

**COMPONENTS OF CONTRACT PLANS SET**

- ROADWAY PLANS
- SIGNING & PAVEMENT MARKING PLANS
- SIGNALIZATION PLANS
- LIGHTING PLANS
- STRUCTURE PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

**INDEX OF ROADWAY PLANS**

- |                        |                                      |
|------------------------|--------------------------------------|
| A-1                    | KEY SHEET                            |
| A-2 TO A-12            | DRAINAGE MAPS                        |
| G-1 TO G-6, G-6A, G-6B | TYPICAL SECTIONS                     |
| G-7                    | TYPICAL SECTION DETAIL               |
| G-8 TO G-10            | SE TRANSITION DETAILS                |
| G-11 TO G-15           | CROSS SLOPE TRANSITION DETAILS       |
| G-16 TO G-20           | MISCELLANEOUS DETAILS                |
| G-21 TO G-34           | BASELINE CONTROL MAP                 |
| G-35 TO G-49           | REFERENCE POINTS                     |
| G-50 TO G-52           | BENCHMARKS                           |
| G-53                   | GENERAL NOTES SHEET                  |
| A-60 TO A-110, A-110A  | ROADWAY PLAN / PROFILES              |
| A-111 TO A-112         | CONTRAFLOW CROSSOVER DETAILS         |
| A-113 TO A-117         | RAMP TERMINAL DETAILS                |
| A-118                  | MISCELLANEOUS STRUCTURE DETAILS      |
| A-119                  | SPECIAL DETAILS                      |
| A-120 TO A-173         | DRAINAGE STRUCTURES                  |
| A-180 TO A-192         | BOX CULVERT DATA SHEET               |
| A-220 TO A-225         | POND PLAN/TYPICAL                    |
| A-250 TO A-259         | POND SOIL SURVEY                     |
| A-270 TO A-274         | DRAINAGE DETAILS                     |
| A-280 TO A-335         | POND CROSS SECTIONS                  |
| A-350 TO A-352         | ROADWAY SOIL SURVEY                  |
| A-353 TO A-355         | GRAVITY / RETAINING WALL SOIL SURVEY |
| A-360 TO A-363         | JACK AND BORE SOILS SURVEY           |
| A-400 TO A-646         | CROSS SECTIONS                       |
| A-586                  | NOT USED                             |
| A-700 TO A-701         | STORMWATER POLLUTION PREVENTION PLAN |
| A-720 TO A-736         | EROSION CONTROL PLAN                 |
| A-1000 TO A-1127       | TRAFFIC CONTROL PLAN                 |

GOVERNING STANDARDS AND SPECIFICATIONS:  
FLORIDA DEPARTMENT OF TRANSPORTATION,  
DESIGN STANDARDS DATED 2006,  
AND STANDARD SPECIFICATIONS FOR ROAD AND  
BRIDGE CONSTRUCTION DATED 2004,  
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 07/01/06  
For Design Standards modifications go to the following Web site:  
<http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.htm>

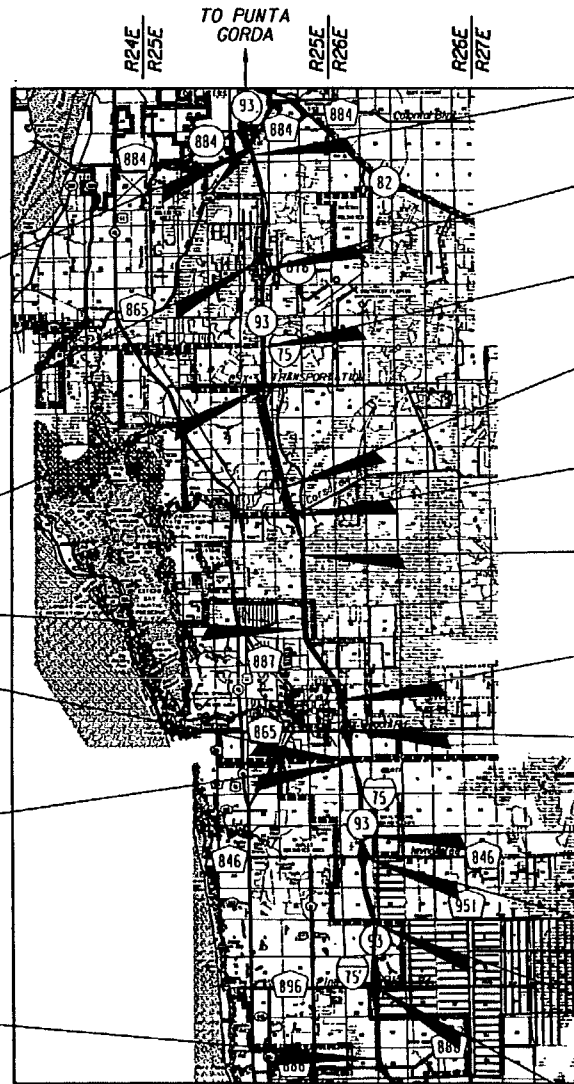
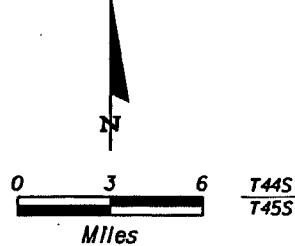
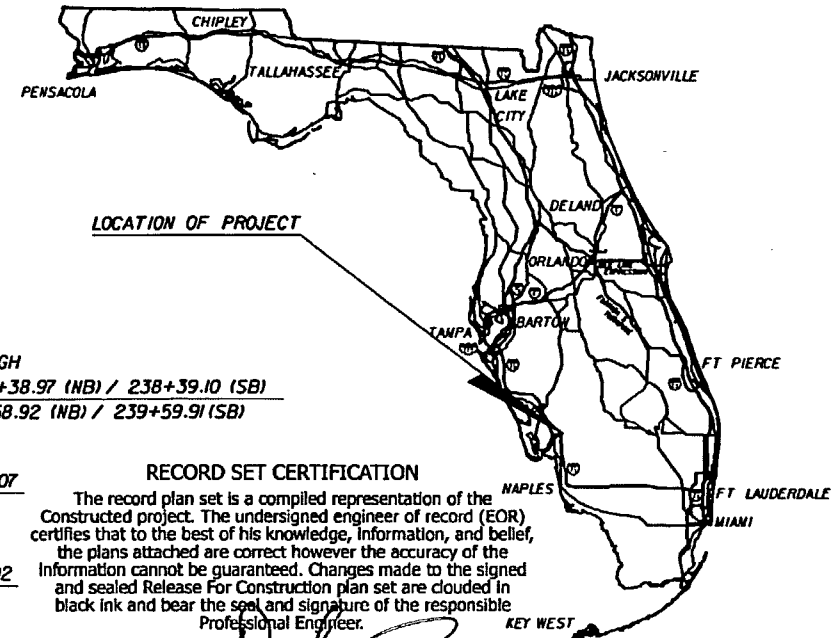
- REVISIONS**
- FPID 420655-1-52-01  
ROADWAY SHEETS: 44, 45A (10/18/07)
  - FPID 420655-1-52-01  
ROADWAY SHEETS: 2, 42, 43, 44 (11/09/07)
  - FPID 420655-1-52-01  
ROADWAY SHEETS: A-1, A-2, A-61, A-62, A-121, A-122, A-220, A-225, A-270, A-271, A-735, A-1017A, A-1018A, A-1019A, A-1020A, A-1018B, A-1019B, A-1020B, A-1030, A-1031, A-1037, A-1038 (1/3/08)
  - STRUCTURE SHEETS: B12-2 (1/3/08)
  - FPID 420655-1-52-01  
ROADWAY SHEETS: A-1, G-53, A-69, A-77, A-84, A-85, A-86, A-120, A-152, A-544 TO A-557 (3/3/08)
  - FPID 420655-1-52-01  
ROADWAY SHEETS: A-1, A-12, A-84, A-85, A-1000 TO A-1002, A-1011, A-1012, A-1030, A-1031, A-1032, A-1037, A-1038, A-1039, A-1042, A-1043, A-1044, A-1104 TO A-1110 (5/2/08)
  - FPID 420655-1-52-01  
ROADWAY SHEETS: A-1, A-12, G-6, A-99, A-100, A-107, A-165 TO A-167, A-274, A-609 TO A-612 (9/23/08)
  - FPID 420655-1-52-01  
ROADWAY SHEETS: A-1, G-6, G-6A, G-6B, A-99, A-100, A-101, A-102, A-103, A-610 TO A-619 (10/24/08)
  - FPID 420655-1-52-01  
ROADWAY SHEETS: G-6, G-6B, A-99, A-100 TO A-102, A-113, A-114, A-166 TO A-168, A-172, A-271 (4/13/09)
  - ROADWAY SHEETS: A-1, A-12, G-6, G-6B, A-85, A-99 TO A-110, A-113, A-114, A-116, A-117, A-118, A-118A, A-118B, A-165 TO A-168, A-172, A-173, A-223, A-271, A-609 TO A-612, A-614 TO A-619, A-624, A-625 (7/13/09)
  - FPID 420655-1-52-01 (RECORD PLAN)  
ROADWAY SHEETS: A-1, A-5 TO A-7, A-12, G-1, G-2, G-4 TO G-6, G-6A, G-6B, G-16, G-17, A-61, A-62, A-64, A-65, A-69, A-73, TO A-79, A-80, A-84 TO A-89, A-93 TO A-96, A-99 TO A-103 TO A-105, A-107, A-108, A-111, A-112, A-114, A-119, A-121, A-122, A-124 TO A-126, A-128, A-129 TO A-137, A-142 TO A-173, A-220 TO A-225, A-272 TO A-274, A-287 TO A-299, A-405, A-418, A-419, A-468 TO A-470, A-478 TO A-494, A-507, A-508, A-514 TO A-519, A-571 (4/13/09) (3/30/10) (8/24/10) (9/1/10)
  - FPID 420655-1-52-01  
ROADWAY SHEETS: A-1, G-6, A-100, A-118, A-156, A-611 (10/12/09)

**STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION**

**CONTRACT PLANS**

**FINANCIAL PROJECT ID 420655-1-52-01  
(FEDERAL FUNDS)  
COLLIER COUNTY (03175) AND LEE COUNTY (12075)  
STATE ROAD NO. 93 (I-75)**

Name of Contractor: ACCVAPI, a Joint Venture  
Name of All Consultants Involved: Metric Engineering, URS, I.T. Lim,  
Kinard-Stone, Inc., HighSpans Engineering, Inc.  
District Secretary: Stanley Cann, Jr., P.E.  
Interstate Project Directors: David G. Richey/William Jones, P.E.  
Senior Project Engineer: Edwin Santana, P.E.  
Construction Project Manager: Crystal Gorman, P.E.  
Project Administrators: Michael Martin/Phillip Maggard  
Date Work Started: October 28, 2007  
Date Work Final Accepted:



END PROJECT  
STA. 270+00.00  
MP 20.927

EQUATION:  
T45S  
T46S  
STA. 974+96.08 BK.=  
STA. 49+00.00 AH.

EXCEPTION:  
ALICO ROAD BRIDGE  
BEG. STA. 759+80.54  
END STA. 763+00.54  
T46S  
T47S

EQUATION:  
STA. 333+40.36 BK.=  
STA. 336+03.81 AH.

LEE COUNTY  
COLLIER COUNTY

T47S  
T48S

EQUATION:  
STA. 993+84.97 BK.=  
STA. 88+36.09 AH.  
MP 63.504 BK.=  
MP 0.000 AH.

T48S  
T49S

BEGIN PROJECT  
STA. 488+00.00  
MP 53.924

SIX MILE CYPRESS SLOUGH  
BEGIN BRIDGE STA. 238+38.97 (NB) / 238+39.10 (SB)  
END BRIDGE STA. 239+58.92 (NB) / 239+59.91 (SB)

SR 876 (DANIEL'S PARKWAY)  
BEGIN BRIDGE STA. 957+46.07  
END BRIDGE STA. 959+86.41

GATOR CROSSING CANAL  
BEGIN BRIDGE STA. 824+45.02  
END BRIDGE STA. 825+90.02

HICKS CROSSING  
BEGIN BRIDGE STA. 598+01.76  
END BRIDGE STA. 599+37.76

CR 850 (CORKSCREW ROAD)  
BEGIN BRIDGE STA. 532+21.23  
END BRIDGE STA. 534+43.23

MONTY RUN  
BEGIN BRIDGE STA. 1491+46.56 (NB) / 1491+35.97 (SB)  
END BRIDGE STA. 1492+65.25 (NB) / 1492+55.32 (SB)

IMPERIAL RIVER  
BEGIN BRIDGE STA. 157+09.31 (NB) / 157+09.35 (SB)  
END BRIDGE STA. 160+09.10 (NB) / 160+09.15 (SB)

CR 865 (IBONITA BEACH ROAD)  
BEGIN BRIDGE STA. 141+79.07  
END BRIDGE STA. 143+61.57

COCOHATCHEE CANAL  
BEGIN BRIDGE STA. 850+02.02  
END BRIDGE STA. 851+22.02

CR 846 (IMMOKALEE ROAD)  
BEGIN BRIDGE STA. 831+04.73  
END BRIDGE STA. 832+82.73

CR 862 (VANDERBILT BEACH ROAD)  
BEGIN BRIDGE STA. 723+86.83 (NB) / 723+93.26 (SB)  
END BRIDGE STA. 725+56.28 (NB) / 725+65.42 (SB)

CR 896 (PINE RIDGE ROAD)  
BEGIN BRIDGE STA. 605+91.57  
END BRIDGE STA. 607+63.07

**RECORD SET CERTIFICATION**

The record plan set is a compiled representation of the constructed project. The undersigned engineer of record (EOR) certifies that to the best of his knowledge, information, and belief, the plans attached are correct however the accuracy of the information cannot be guaranteed. Changes made to the signed and sealed Release For Construction plan set are clouded in black ink and bear the seal and signature of the responsible Professional Engineer.

ENGINEER OF RECORD: [Signature]  
P.E. NO: 44681 DATE: 9/10/2010

ROADWAY SHOP DRAWINGS  
TO BE SUBMITTED TO:  
DAVID W. GILBERT, P.E.  
HDR ENGINEERING, INC.  
2202 N. WEST SHORE BLVD. SUITE 250  
TAMPA, FL 33607-5755  
PHONE NO. (813) 282-2300

PLANS PREPARED BY:  
HDR ENGINEERING, INC.  
2202 N. WEST SHORE BLVD. SUITE 250  
TAMPA, FL 33607-5755  
PHONE NO. (813) 282-2300  
FAX NO. (813) 282-2449  
VENDOR NO. VF- 47-0680568  
CONTRACT NO. EIF59  
CERTIFICATE OF AUTHORIZATION NO. 4213



NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

**SHOP DRAWINGS**

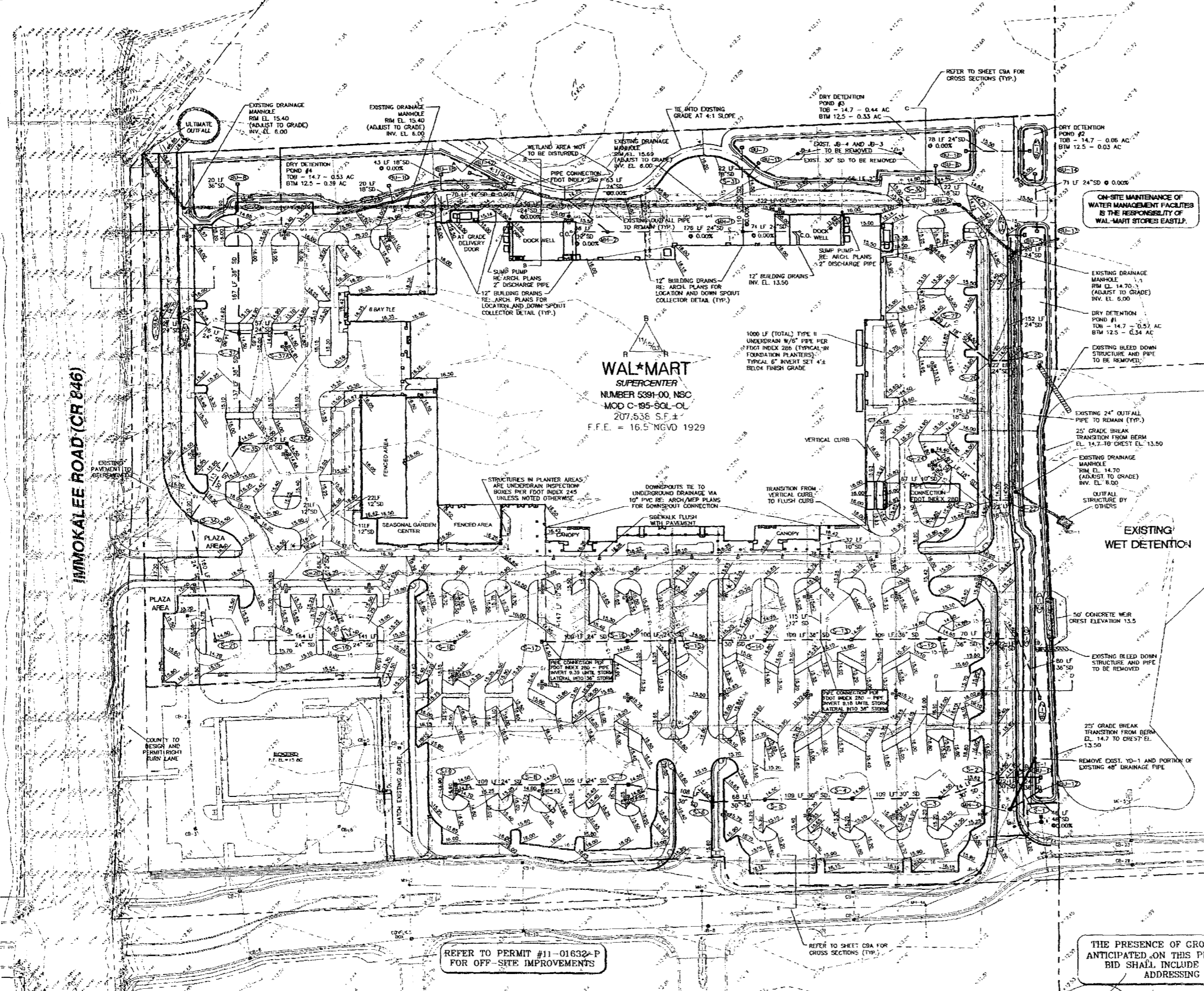
PROJECT LENGTH IS BASED ON @ OF SURVEY: NORTHBOUND BRIDGES

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	158658.29	30.048
BRIDGES	2103.22	0.398
NET LENGTH OF PROJECT	160761.51	30.447
EXCEPTIONS	320.00	0.060
GROSS LENGTH OF PROJECT	161081.51	30.507

FDOT PROJECT MANAGER: BILL JONES, P.E.

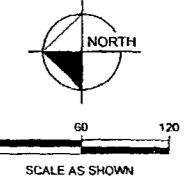
KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION
1/3/08	TNN	SHEET REVISIONS ADDED
3/3/08	TNN	SHEET INDEX REVISED AND REVISIONS ADDED
5/2/08	TNN	SHEET INDEX REVISED AND REVISIONS ADDED
9/23/08	DWG	SHEET INDEX REVISED AND REVISIONS ADDED
10/24/08	DWG	SHEET REVISIONS ADDED
7/13/09	DWG	SHEET INDEX REVISED AND REVISIONS ADDED

Drawing name: G:\naples\1-15\CADD\CONSTR\PAVING\PLAN-2A1352.dwg PLOT BY: AN Apr 23, 2004 10:12am by: Steven Kether  
 This document, whether in printed or electronic form, is the property of Kimley-Horn and Associates, Inc. It is to be used only for the specific project and site for which it was prepared. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, without the prior written permission of Kimley-Horn and Associates, Inc.



DRAINAGE STRUCTURE SCHEDULE			
SIR NO.	TYPE	ROW	INV. CL.
S-1	FDOT J-6 INLET	14.5	5.88
S-2	FDOT P-6 INLET	14.5	5.78
S-3	FDOT TYPE 'D' INLET	14.5	6.15
S-4	FDOT TYPE 'D' INLET	14.5	6.70
S-5	FDOT TYPE 'D' INLET	14.5	7.24
S-6	FDOT J-6 INLET	14.5	7.58
S-7	FDOT TYPE 'D' INLET	14.5	6.66(N), 6.12(S)
S-8	FDOT TYPE 'C' INLET	14.5	9.20
S-9	FDOT TYPE 'C' INLET	14.5	9.75
S-10	FDOT J-6 INLET	14.5	5.78
S-11	FDOT J-6 INLET	14.5	5.90
S-12	FDOT TYPE 'D' INLET	14.5	6.25
S-13	FDOT TYPE 'D' INLET	14.5	6.40
S-14	FDOT TYPE 'D' INLET	14.5	7.64(N), 7.34(S)
S-15	FDOT J-6 INLET	14.5	6.70(N), 6.20(S)
S-16	FDOT TYPE 'D' INLET	14.5	9.20
S-17	FDOT TYPE 'D' INLET	14.5	9.75
S-18	FDOT TYPE 'D' INLET	14.5	6.70
S-19	FDOT TYPE 'D' INLET	14.5	9.50(E), 8.00(N,S)
S-20	FDOT P-6 INLET	15.2	11.78(E), 9.90(W)
S-21	FDOT TYPE 'D' INLET	14.5	6.18
S-22	FDOT P-6 INLET	14.5	6.63
S-23	FDOT P-6 INLET	14.5	9.52
S-24	FDOT TYPE 'C' INLET	14.4	10.00
S-25	FDOT P-6 INLET	14.4	6.03
S-26	FDOT P-6 INLET	14.4	9.56(W), 8.54(N), 8.14(S)
S-27	FDOT TYPE 'C' INLET	14.4	10.00
S-28	FDOT P-6 INLET	14.4	7.27
S-29	NOT USED	-	-
S-30	FDOT P-9 INLET	14.4	10.19
S-31	FDOT P-9 INLET	14.5	10.29
S-32	FDOT P-9 INLET	14.5	9.95
S-32A	FDOT P-9 INLET	14.5	10.20
S-33	FDOT J-6 INLET	14.4	4.30
S-34	FDOT P-6 INLET	15.0	6.88(E), 7.38(W)
S-35	FDOT TYPE 'D' INLET	14.5	7.32(S), 5.82(E), 6.32(W)
S-35A	FDOT TYPE 'D' INLET	14.5	7.60
S-35B	FDOT P-6 INLET	14.5	6.36
S-35A	FDOT P-6 INLET	14.5	9.00
S-37	FDOT TYPE 'D' INLET	14.5	8.52(N), 6.72(S), 5.14(E,W)
S-37A	FDOT TYPE 'D' INLET	14.5	9.00

DRAINAGE STRUCTURE SCHEDULE			
SIR NO.	TYPE	ROW	INV. CL.
BU-1	FDOT P-7 MANHOLE	15.67	9.85(N,S), 6.41(E)
BU-2	FDOT P-7 MANHOLE	16.00	9.85
BU-3	FDOT P-7 MANHOLE	16.00	9.00
BU-4	FDOT P-7 MANHOLE	15.07	5.00
BU-5	EX FDOT P-7 MANHOLE	15.13	6.00
BU-6	CONCRETE WEIR PER DETAIL	16.00	8.00
BU-7	FDOT TYPE 'C' INLET	12.8	5.54
BU-8	FDOT TYPE 'C' INLET	12.8	6.39
BU-9	NOT USED	-	-
BU-10	NOT USED	-	-
BU-11	FDOT TYPE 'C' INLET	12.8	7.17
BU-12	FDOT TYPE 'C' INLET	12.8	10.06
BU-13	FDOT TYPE 'C' INLET	12.8	9.41
BU-14	FDOT TYPE 'C' INLET	12.8	4.20
BU-15	NOT USED	-	-
BU-16	FDOT TYPE 'C' INLET	12.8	10.19
BU-17	FDOT TYPE 'C' INLET	12.8	10.18
BU-18	FDOT TYPE 'C' INLET	12.8	5.00
BU-19	FDOT TYPE 'C' INLET	12.8	9.00
BU-20	FDOT TYPE 'C' INLET	12.8	9.00
BU-21	FDOT TYPE 'C' INLET	12.8	9.00
BU-22	FDOT TYPE 'C' INLET	12.8	9.00
BU-23	FDOT TYPE 'C' INLET	12.8	9.85
BU-24	FDOT TYPE 'C' INLET	12.8	9.00



\* SET PAVING, GRADING AND DRAINAGE DETAILS  
 - ALL PIPE LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE  
 - ALL DRAINAGE PIPES SHALL BE RCP OR APPROVED EQUAL  
 - ALL DRAINAGE PIPE SIZES ARE 6" EXC. A. UNLESS NOTED OTHERWISE  
 - STRUCTURE BOTTOMS TYPE 'P' FOR PIPES 24" AND SMALLER, TYPE 'J' BOTTOMS FOR PIPES LARGER THAN 24"

PERMITTED DESIGN ELEVATIONS	
10 YR 1 DAY	13.70
25 YR 3 DAY	14.68
100 YR 3 DAY	15.30

REFER TO PERMIT #11-01632-P FOR OFF-SITE IMPROVEMENTS

**PAVING, GRADING AND DRAINAGE NOTES**

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- ALL CUT AND FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE NOTED.
- PRECAST DRAINAGE STRUCTURES MAY BE USED AT THE CONTRACTOR'S OPTION.
- STORM PIPE SHALL BE AS FOLLOWS:  
 A. RCP CLASS III PER ASTM C-76  
 B. ALUMINIZED STEEL TYPE 2 ULTRA FLO 48" AND SMALLER SHALL BE 3/4"x3/4"x7-1/2" CORRUGATION 16 GA WITH A MINIMUM THICKNESS OF 0.06"  
 54" AND LARGER SHALL BE 3/4"x3/4"x7-1/2" CORRUGATION 14 GA WITH A MINIMUM THICKNESS OF 0.07"  
 C. CORRUGATED ETHYLENE PIPE PER AASHTO M294 JOINTS SHALL BE WATER TIGHT  
 D. ANY STORM PIPE USED MUST BE APPROVED BY LOCAL AUTHORITIES
- EXISTING GRADE CONTOUR INTERVALS ARE AT 1 FOOT
- PROPOSED GRADE CONTOUR INTERVALS ARE AT 1 FOOT
- IF ANY EXISTING DRAINAGE STRUCTURES TO REMAIN IN SERVICE ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THOSE STRUCTURES TO PRIOR CONDITION, OR BETTER, OR TO REPLACE THEM, AS NECESSARY.
- ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUDED TO ENSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING FRAME AND COVER. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE SURROUNDING GRADE.
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE GENERAL P.D.P. DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- SPOT ELEVATIONS ARE AT EDGE OF PAVEMENT.
- FIELD DENSITY TESTS SHALL BE TAKEN AT THE FREQUENCY REQUIRED IN THE SPECIFICATIONS.
- THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. THE CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
- FRONT FACE OF CURB INLETS IS TO MATCH ALIGNMENT OF ADJACENT CURB.
- REINFORCED STEEL GRATES SHALL BE USED ON ALL DITCH BOTTOM INLETS. REFER TO FDOT INDEXES 230-235.

**FINAL APPROVED**  
 JUN 01 2004  
 LWC SERVICE CENTER  
 11-01032-P

REFER TO PERMIT #11-01632-P FOR OFF-SITE IMPROVEMENTS

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

APPLICATION NUMBER: 0917-13#  
 Call 48 Hours before you dig  
 It's the law!  
 1-800-432-4770  
 Sunshine State One Call of Florida, Inc.

# SHOP DRAWING FILES INVENTORY

November 12, 2009

16.02.01 SD#1 THRU SD#12 ORIGINALS MISSING  
16.02.02 SD#13  
16.03.03 SD#14  
16.02.04 SD#15  
16.02.05 SD#16  
16.02.06 SD#17  
16.02.07 SD#18  
16.02.08 SD#19 THRU SD#27  
16.02.09 SD#28 THRU SD#39  
16.02.10 SD#40 ORIGINAL MISSING  
16.02.11 SD#41  
16.02.12 SD#42  
16.02.13 SD#43  
16.02.14 SD#44  
16.02.15 SD#45  
16.02.16 SD#46  
16.02.19 SD#47  
16.02.20 SD#48  
16.02.21 SD#49  
16.02.22 SD#50  
16.02.23 SD#51 THRU SD#65

16.02.24 SD#66  
16.02.25 SD#67  
16.02.26 SD#68  
16.02.27 SD#14R  
16.02.28 SD#14R2  
16.02.29 SD#69  
16.02.30 SD#70 (Rejected)  
16.02.31 SD#70  
16.02.32 SD#71  
16.02.33 SD#72  
16.02.34 SD#73  
16.02.35 SD#74  
16.02.36 SD#75  
16.02.37 SD#76  
**16.02.038 SD#77**

**Project: SR 93 (I-75) Widening (D-B-F from N. Golden Gate to S. Colonial)**

**Financial Project Number: 420655-1-52-01**

**Federal Aid Project Numbers: S113 001 R, S113 002 R, SFTL 175 R,**

**SFTL 186 R, SFTL 291 R, and SFTL 313 R**

## **DRAINAGE**



**ACCI/API, a Joint Venture**

12751 Westlinks Drive, Units 1 & 2  
Fort Myers, FL 33913  
Tel (239) 313-4600 Fax (239) 561-0739



**TRANSMITTAL**

To: HDR Engineering  
12751 Westlinks Drive, Unit 1 & 2  
Fort Myers, FL 33913

Date: July 15, 2008

Attn: John Kubler  
Drainage Engineer

Phone: 239-313-4611  
Fax: 239-561-0739

RE: I-75 Design-Build-Finance Project  
Contract ID No. E1F59

We are sending you:  Attached  Under separate cover, the following items:

- Plans
- Specifications
- Sublet Certification
- Schedule
- Shop Drawings
- Material Certification
- Samples
- Change Order
- Notice
- Copy of Letter
- Other

No. of Copies	Date	Trans. No.	Description
1	07/15/08	CS-SD51	Structure D-013 (Control Structure)
1	07/15/08	CS-SD52	Structure D-049 (Control Structure)
1	07/15/08	CS-SD53	Structure E-110 (Corner Pipe Inlet)
1	07/15/08	CS-SD54	Structure E-115 (Control Structure)
1	07/15/08	CS-SD55	Structure E-202 (Control Structure)
1	07/15/08	CS-SD56	Structure E-205 (Corner Pipe Inlet)
1	07/15/08	CS-SD57	Structure E-206 (Corner Pipe Inlet)
1	07/15/08	CS-SD58	Structure E-300 (Corner Pipe Inlet)
1	07/15/08	CS-SD59	Structure E-303 (Control Structure)
1	07/15/08	CS-SD60	Structure E-306 (Corner Pipe Inlet)
1	07/15/08	CS-SD61	Structure E-307 (Corner Pipe Inlet)
1	07/15/08	CS-SD62	Structure E-404 (Conflict Structure)
1	07/15/08	CS-SD63	Structure E-416 (Control Structure)
1	07/15/08	CS-SD64	Structure E-417 (Corner Pipe Inlet)
1	07/15/08	CS-SD65	Structure E-507 (Control Structure)

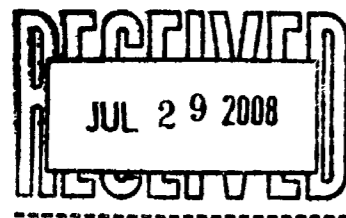
These are transmitted for the purpose checked below:

- For approval
- Approved as submitted
- Proceed
- For review
- Approved as noted
- Correct and proceed
- For information
- Returned for corrections
- Correct and resubmit
- Other

Remarks: Please review by July 29, 2008.

Signed:

Engineering by **HDR**



**Guymann Construction of Florida, Inc.**

Land Development and Underground Construction  
305 SW 3rd St  
Cape Coral, FL 33991  
(239) 574-4174  
Fax (239) 574-4091

**LETTER OF TRANSMITTAL**

Date: 7/10/2008
Attention: Felipe Jaramillo, E.I.
RE: I-75 DBF Segment "D/E"
Precast Drainage Structure Submittals

ACCI / API, a Joint Venture  
12751 Westlinks Drive, Units 1 & 2  
Fort Myers, FL 33913

WE ARE SENDING YOU ATTACHED:

- Plans
- Submittals/Shop Drawings
- Pay Request
- Other: See description below

Copies	Date	No.	Description
1	7/10/2008	1	D-013, (Control Structure)
1	7/10/2008	1	D-049, (Control Structure)
1	7/10/2008	1	E-110, (Corner Pipe Inlet)
1	7/10/2008	1	E-115, (Control Structure)
1	7/10/2008	1	E-202, (Control Structure)
1	7/10/2008	1	E-205, (Corner Pipe Inlet)
1	7/10/2008	1	E-206, (Corner Pipe Inlet)
1	7/10/2008	1	E-300, (Corner Pipe Inlet)
1	7/10/2008	1	E-303, (Control Structure)
1	7/10/2008	1	E-306, (Corner Pipe Inlet)
1	7/10/2008	1	E-307, (Corner Pipe Inlet)
1	7/10/2008	1	E-404, (Conflict Structure)
1	7/10/2008	1	E-416, (Control Structure)
1	7/10/2008	1	E-417, (Corner Pipe Inlet)
1	7/10/2008	1	E-507, (Control Structure)

THESE ARE TRANSMITTED as marked below:

- For approval
- For your use
- As requested
- For review and comment
- FOR BIDS DUE:

**REMARKS:**

Please let me know if you need any further information regarding the drainage structures in Segment "D and E". I will update the submittals for any necessary changes as the project progresses.

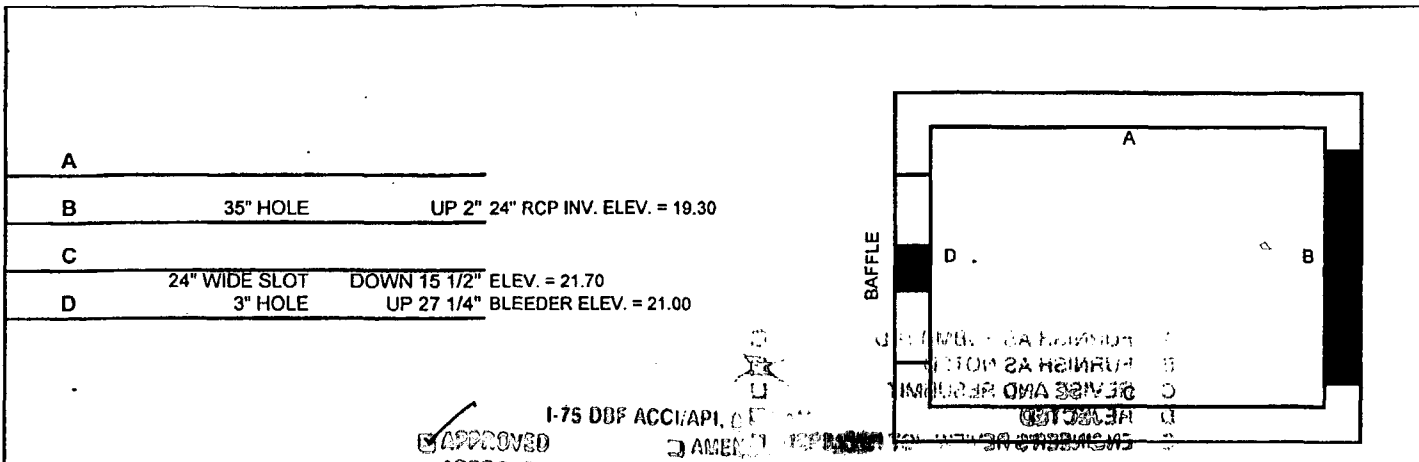
Thank You

Aaron

COPY TO: HDR, Inc. and Metric Engineering

SIGNED   
Aaron Hunt-Branch, E.I.

If enclosures are not as noted, kindly notify us at once.



A  
 B 35" HOLE UP 2" 24" RCP INV. ELEV. = 19.30  
 C  
 D 24" WIDE SLOT DOWN 15 1/2" ELEV. = 21.70  
 3" HOLE UP 27 1/4" BLEEDER ELEV. = 21.00

I-75 DBF ACC/APL  
 APPROVED  
 APPROVED AS NOTED  
 RETURNED FOR CORP.

FINISHED TOP YES  NO

Top Reinf. Schedule  
 None  
 Bar Size #  
 Bar Spacing " Ctrs.  
 Short Way ### pcs. @ ###"  
 Long Way ### pcs. @ ###"

Box Size: **FOOT TYPE "E" INLET**  
 Type: CONTROL STRUCTURE  
 Box I.D. L 4.50' W 3.00'

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH ALL CITY, COUNTY, STATE AND FEDERAL REGULATIONS AND ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING AND VERIFYING ALL DIMENSIONS, QUANTITIES AND TECHNIQUES OF CONSTRUCTION WITH THAT OF ALL OTHER CONTRACTORS WORKING IN THE SAME AND ADJACENT AREAS.  
 USE U.S.F. #6815 GRATE

CS-SD 51 PAGE 1-1  
 7/15/08

Build Height 51.2 "

Top/Grate Elev.	23.00
Base/Inv. Elev.	-18.7/19.30
Difference	3.70
Pipe Thk. & Adj.	+ 0.57
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	4.27

**SHOP DRAWING REVIEW**  
**GUYMANN CONSTRUCTION CO**  
**APPROVED**  
 Checked by: *[Signature]*  
 Date: 6/25/2008

\* PLANS CALL FOR SUMP BOTTOM RL OF 18.7  
 60" X 84" X 6" THK. SLAB

Top Information (If Needed)

SLAB WT. = 1,785 LBS.

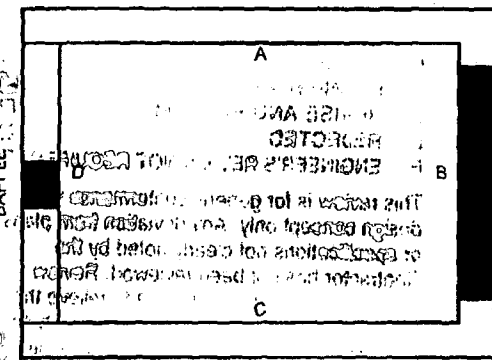
- A. FURNISH AS SUBMITTED
- B. FURNISH AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED
- E. EXHIBIT REVIEW NOT REQUIRED

This review is for general conformity only. Any deviation from design or specifications not clearly noted by the Contractor has not been reviewed. The Engineer shall not serve to release the Contractor of the contractual responsibility for any error or deviation from contract requirements.

HPR ENGINEERING, INC.  
 By: *[Signature]* Date: 7/15/08  
 Shop Drawing Transmittal No. CS-SD 51 PAGE 2 OF 2  
 Project No. 06922-039-00

REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01
Vert. Ft.	Concrete Per Cubic Ft.	Date Cast or Weight in Lbs.	Wall Reinf. Vertical	Bar Size	Vert. S.	Spacing Ctrs.	Notes: <b>Eyebolt &amp; Chains</b> For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fx: 239-482-7469 P.O. Box 370 Estero, Fl. 33928	
Less Holes	4.66		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	Spacing Ctrs.		
Total Wall	31.64		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	Spacing Ctrs.		
Base	12.67		Base Reinf. Spacing	Bar Size	Vert. S.	Spacing Ctrs.		
Top	11.90							
Center Wall	0.00						Job Name: I-75 SEG. D / E	
Total	44.31	6,646 Lbs.					Contractor: GUYMANN CONSTRUCTION	
							Structure #: D-013	

A		
B	35" HOLE	UP 2" 24" RCP INV. ELEV. = 19.60
C		
D	36" WIDE SLOT 3" HOLE	DOWN 17 1/2" ELEV. = 21.55 UP 17 1/2" BLEEDER ELEV. = 20.50



I-75 DBF ACC/IMP. 0.0000  
 APPROVED  
 APPROVED AS NOTED  
 REJECTED  
 RETURNED  
 APPROVED IS FOR GENERAL COMPLIANCE WITH THE SUBMITTAL DOCUMENT. ONLY THE SUBMITTAL DOCUMENT IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS. EMBODIED ENGINEERING METHODS AND TECHNIQUES OF CONSTRUCTION ARE TO BE USED IN ALL WORK AND SATISFACTORY TO ALL CONCERNED PARTIES.  
 DATE: 7/15/08

FINISHED TOP YES  NO   
 Top Reinf. Schedule None  
 Bar Size #  
 Bar Spacing " Ctrs.  
 Short Way ### pcs. @ ###"  
 Long Way ### pcs. @ ###"

Box Size: FDOT TYPE "E" INLET  
 Type: CONTROL STRUCTURE  
 Box I.D. L. 4.50 W. 3.00  
 6 Wall  
 6 Base

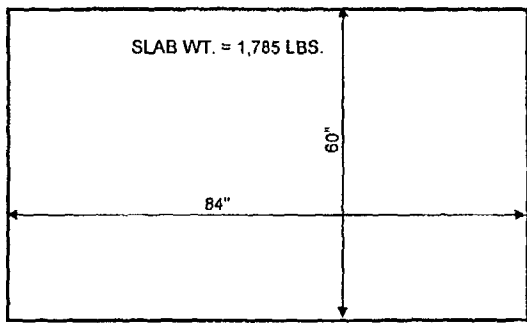
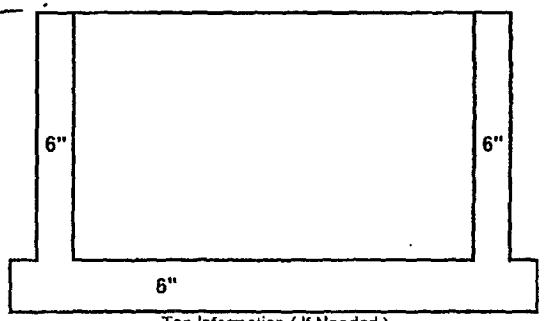
Build Height 47.6" CS-SD52 PAGE 1-1

Top/Grate Elev.	23.00
Base/Inv. Elev.	-18.7/19.60
Difference	3.40
Pipe Thk. & Adj.	+ 0.57
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	3.97

SHOP DRAWING REVIEW  
 GUYMANN CONSTRUCTION CO  
**APPROVED**

Checked by: [Signature]  
 Date: 6/25/2008

PLANS CALL FOR SUMP BOTTOM AT EL 18.7  
 60" X 84" X 4" THK. SLAB



REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01
Vert. Ft.	33.75		Wall Reinf. Vertical	Bar Size	Vert. Spacing	8 pc. @ 45"	12	
Less Holes	5.55		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. Spacing	8 pc. @ 43"	12	
Total Wall	28.20							
Base	12.67		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. Spacing	8 pc. @ 61"	12	
Top	11.90							
Center Wall	0.00		Base Reinf. Spacing	Bar Size	Vert. Spacing	8 pc. @ 48"	10	
Total	40.87	6,130 Lbs.						

For all your Storm & Sanitary needs.

Ph: 239-482-7468  
 Fax: 239-482-7469  
 P.O. Box 370  
 Estero, FL 33928

Job Name: I-75 SEG. D / E  
 Contractor: GUYMANN CONSTRUCTION  
 Structure #: D-049

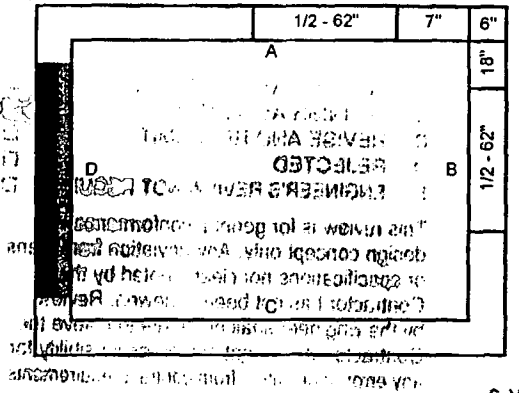
- A. FURNISH AS SUBMITTED
- B. FURNISH AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED
- E. ENGINEER REVIEW NOT REQUIRED

This review is for general conformance with design concept only. Any deviation from plan or specifications not clearly noted by the Contractor has not been reviewed. Review by the Engineer shall not serve to relieve the Contractor of the overall responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: [Signature] Date: 7/28/08  
 Shop Drawing Transmittal No. CS-SD52 Page 2 of 2  
 Project No. 06922-089-096

Note: h<sub>2</sub> dimension MUST BE  
 ≥ 1'-0" AND EXTRA #4  
 BARS PROVIDED AS PER  
 2008 DESIGN STANDARDS  
 INDEX 201.

A		
B	62" X HOLE	UP 2" 48" RCP INV. ELEV. = 9.80
C		
D	55" HOLE	UP 2 1/2" 42" RCP INV. ELEV. = 9.80



SHOP DRAWING REVIEW  
 GUYMANN CONSTRUCTION CO

FINISHED TOP YES  NO

APPROVED

Top Reinf. Schedule  
 D7

Bar Size	# 5
Bar Spacing	7" Ctrs.
Short Way	13 pcs. @ 79"
Long Way	13 pcs. @ 79"

Checked by *[Signature]*

Date: 7/10/08

Build Height 72.1"

Top/Grate Elev.	21.90
Base/Inv. Elev.	- 9.80
Difference	12.10
Pipe Thk. & Adj.	+ 0.75
Less Top Slab	- 6.84
Less R&C or F&G	- 0.00
Net Height	6.01

1-70 DBP ACQUIRI, O Jerald Ventura  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

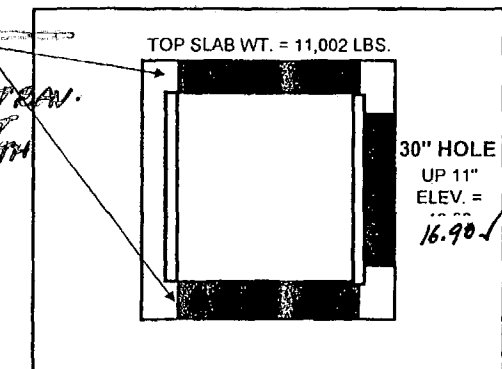
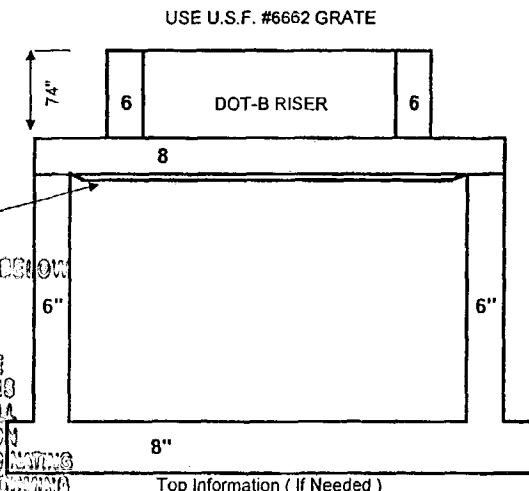
ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING APPROPRIATE METHODS AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

DATE: 7/19/08

CS-SD 53 PAGE 1-1

9" TRAV. SLOT DEPTH

Box Size: 6'-0" X 6'-0" BOX  
 Type: TYPE "B" w/ J-BOTTOM  
 Box I.D.: L: 6.00' W: 6.00'



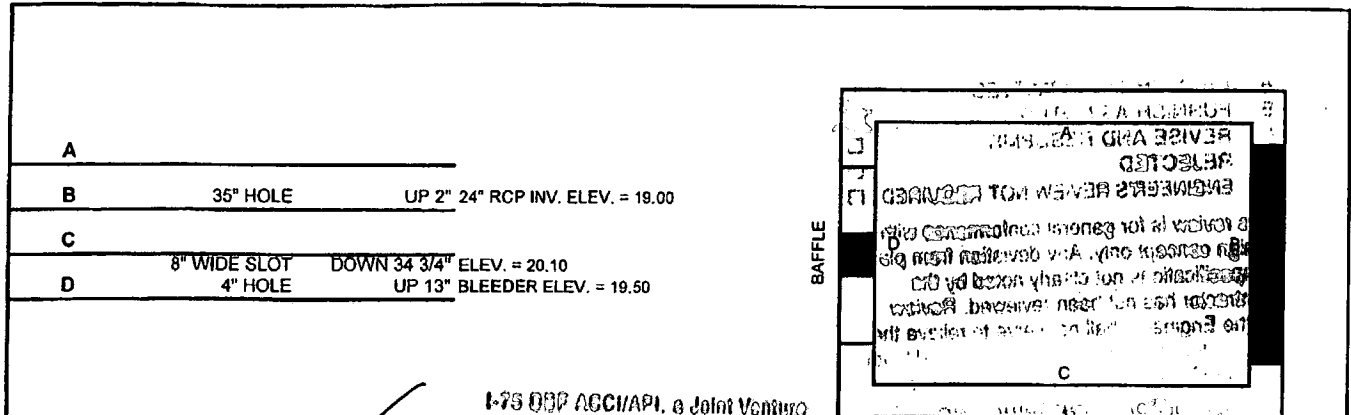
- A. FURNISH AS SUBMITTED
- B. FURNISH AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED
- E. ENGINEER REVIEW NOT REQUIRED

This review is for general compliance with design concept only. Any deviations from plans or specifications not clearly noted by the Contractor has not been reviewed. Review by the Engineer shall not serve to release the Contractor of the contractual responsibility for any error or deviation from contract requirements.

MDR ENGINEERING, INC.  
 By: *[Signature]* Date: 7/28/08 PAGE 2 OF 2  
 Shop Drawing Transmittal No. CS-SD 53  
 Project No. 06-22-089-096

REFERENCE F.D.O.T. INDEX 200, 201 & 231 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01
Vert. Ft.	78.13		Wall Reinf. Vertical	Bar Size #4	Vert. S. 14 pc. @ 69"	Spacing Ctrs. 12"	Eyebolt & Chains  For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fx: 239-482-7469 P.O. Box 370 Estero, FL 33928	
Less Holes	25.44		Hor. Wall Reinf. Spacing Inner	Bar Size #5	Vert. S. 14 pc. @ 79"	Spacing Ctrs. 10"		
Total Wall	52.69		Hor. Wall Reinf. Spacing Outer	Bar Size #5	Vert. L. 14 pc. @ 79"	Spacing Ctrs. 10"		
Base	35.92		None	Bar Size #5	Vert. S. 13 pc. @ 84"	Spacing Ctrs. 7"		
Top	73.35		Base Reinf. Spacing	Bar Size #5	Vert. L. 13 pc. @ 84"	Spacing Ctrs. 7"		
Center Wall	0.00						Job Name: I-75 SEG. D / E	
Total	88.61	13,291 Lbs.					Contractor: GUYMANN CONSTRUCTION	
							Structure #: E-110	





I-75 SEG. D/E API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

Box Size: **FDOT TYPE "E" INLET** 6 Wall 6 Base  
 Type: CONTROL STRUCTURE  
 Box I.D. L. 4.50 W. 3.00

AGREEMENT IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING APPROPRIATE PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING WORK WITH THE TOP OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 7/15/08 USE U.S.F. #6615 GRATE

FINISHED TOP YES  NO

Top Reinf. Schedule None

Bar Size #

Bar Spacing " Ctrs.

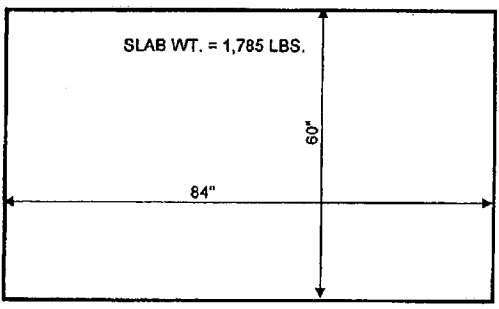
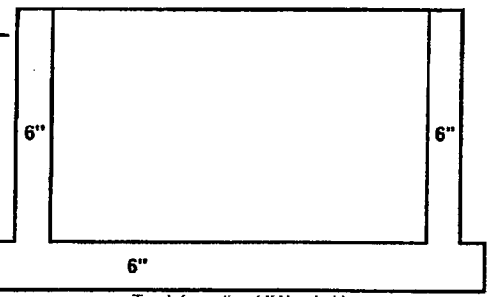
Short Way ### pcs. @ ### "

Long Way ### pcs. @ ### "

Build Height 54.8 "

CS-SD 54 PAGE 1-1

SHOP DRAWING REVIEW  
 GUYMANN CONSTRUCTION CO.  
**APPROVED**  
 Checked by: *[Signature]*  
 Date: 7/10/2008



6" THK. SLAB

REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS

Vert. Ft.	38.85	
Less Holes	4.12	
Total Wall	34.73	
Base	12.67	
Top	11.90	
Center Wall	0.00	
Total	47.40	7,110 Lbs.

Structure Reinforcing Schedule			
Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S. Spacing	Vert. L. Spacing
A12	# 4	9 pc. @ 43"	9 pc. @ 61"
Base Reinf. Spacing	Bar Size	Vert. S. Spacing	Vert. L. Spacing
B10	# 4	8 pc. @ 48"	6 pc. @ 68"

Notes:	FDOT Project #420655-1-52-01
Notes:	Eyebolt & Chains
For all your Storm & Sanitary needs.	
Coastal Precast of Florida Ph: 239-482-7468 Fx: 239-482-7469 P.O. Box 370 Estero, Fl. 33928	
Job Name:	I-75 SEG. D/E
Contractor:	GUYMANN CONSTRUCTION
Structure #:	E-115

- A. FURNISH AS SUBMITTED
- B. FURNISH AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED
- E. ENGINEER REVIEW NOT REQUIRED

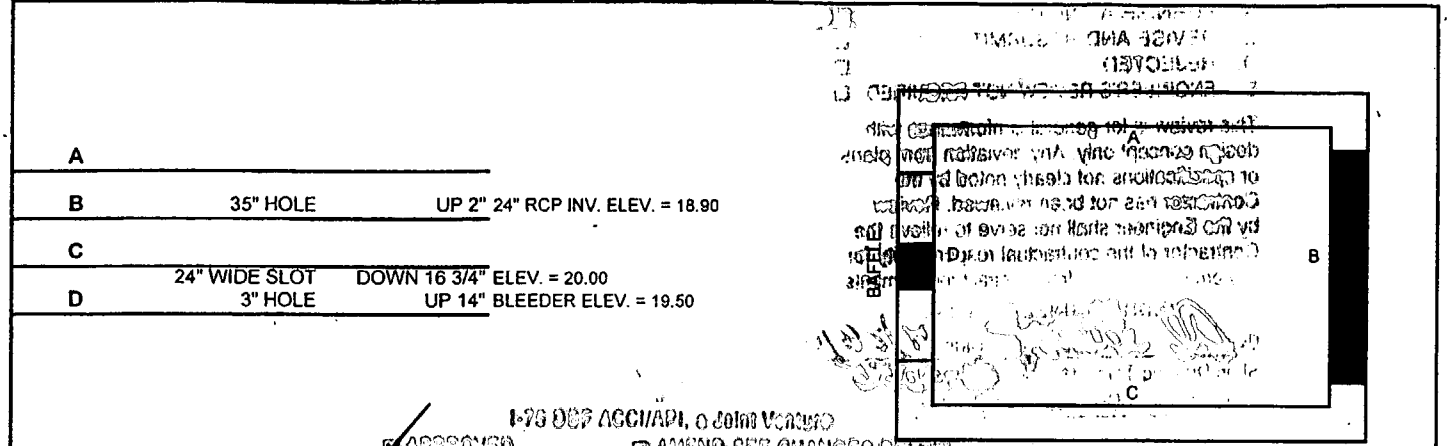
This review is for general confirmation with design concept only. Any deviation from plan or specifications not clearly noted by the Contractor has not been reviewed. Review by the Engineer shall not serve to relieve the Contractor of the contractual responsibility for any error or deviation from contract requirements.

HOY ENGINEERING, INC.  
 B. *[Signature]* Date 7/28/08  
 Shop Drawing Transmittal No. CS-SD 54 PAGE 2 OF 2  
 Project No. 06922-089-006

- A. FURNISH AS SUBMITTED
- B. FURNISH AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED
- E. ENGINEER REVIEW NOT REQUIRED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the Contractor has not been reviewed. Review by the Engineer shall not serve to release the Contractor of the contractual responsibility for any error or deviation from contract requirements.

By: Al Stewart Date: 7/28/08  
 Shop Drawing Transmittal No. CS-SD55 PAGE 2 of 2  
 Project No. 06922-089-096



APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED   
 RETURNED FOR CORRECTION

Box Size: FDOT TYPE "E" INLET  
 Type: CONTROL STRUCTURE  
 Box I.D. L. 4.50 W. 3.00

FINISHED TOP YES  NO   
 Top Reinf. Schedule None  
 Bar Size #  
 Bar Spacing " Ctrs.  
 Short Way ### pcs. @ ###"  
 Long Way ### pcs. @ ###"

AGREEMENT IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS. SELECTED CONSTRUCTION METHODS AND TECHNIQUES OF CONSTRUCTION. COORDINATING ITS WORK WITH THAT OF ALL OWNED TRADES AND PERFORMING ITS WORK IN A SAFE AND MANNER CONFORMING TO ALL APPLICABLE CODES AND REGULATIONS.

USE U.S.F. #6615 GRATE

Build Height 36.8"

CS-SD55 PAGE 1-1

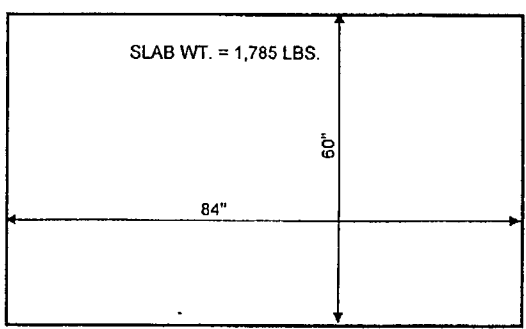
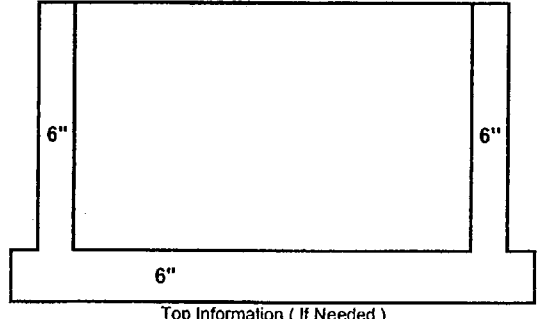
Top/Grate Elev.	21.40
Base/Inv. Elev.	18.90
Difference	2.50
Pipe Thk. & Adj.	+ 0.57
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	3.07

SHOP DRAWING REVIEW  
 GUYMANN CONSTRUCTION CO

APPROVED

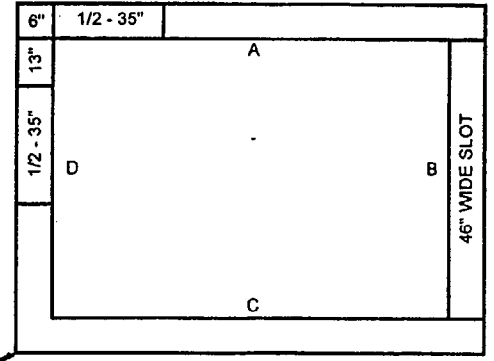
Checked by: [Signature]  
 Date: 7/10/2008

60" X 84" X 6" THK. SLAB

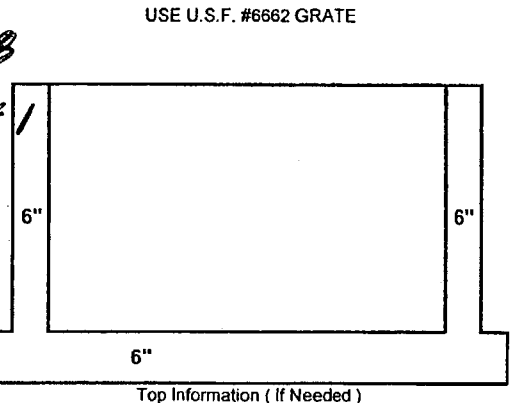


REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01
Vert. Ft.	Concrete Cubic Ft.	Per Weight In Lbs.	Wall Reinf. Vertical	Bar Size	Vert. Spacing	Bar Size	Spacing Ctrs.	Eyebolt & Chains  For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fx: 239-482-7469 P.O.Box 370 Estero, Fl. 33928
Less Holes	4.79		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. Spacing	Bar Size	Spacing Ctrs.	
Total Wall	21.31		A12	# 4	6 pc. @ 43"	6 pc. @ 61"	12	
Base	12.67		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. Spacing	Bar Size	Spacing Ctrs.	
Top	11.90		None	#	#	#	#	
Center Wall	0.00		Base Reinf. Spacing	Bar Size	Vert. Spacing	Bar Size	Spacing Ctrs.	
Total	33.98	5,097 Lbs.	B10	# 4	8 pc. @ 48"	6 pc. @ 66"	10	Job Name: I-75 SEG. D / E Contractor: GUYMANN CONSTRUCTION Structure #: E-202

NOTE: h<sub>2</sub> dimension must be ≥ 1'-0" AND EXTRA #4 BARS PROVIDED AS PER 2008 DESIGN STANDARDS INDEX 201.



Box Size: FDOT TYPE "B" INLET  
 Type: DBI  
 Box I.D. L. 4.17 W. 3.83



USE U.S.F. #6662 GRATE

SHOP DRAWING REVIEW  
 GUYMANN CONSTRUCTION CO.

APPROVED

Checked by: *[Signature]*  
 Date: 7/10/2008

I-75 DBF ACCI/API, O. John Ventura  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 7/15/08

CS-SD 57 PAGE 1-1

A		
B	46" WIDE SLOT	DOWN 14" TRAVELABLE SLOT DEPTH IS 9"
C		
D	35" X HOLE	UP 2" 24" RCP INV. ELEV. = 16.40

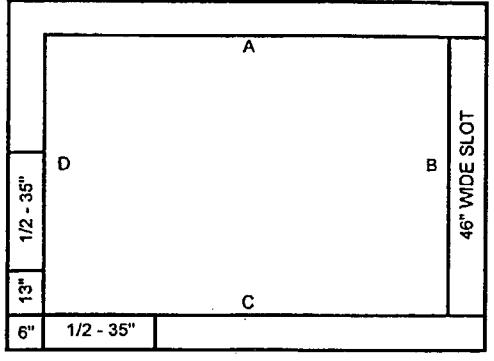
FINISHED TOP YES  NO   
 Top Reinf. Schedule None  
 Bar Size #  
 Bar Spacing " Ctrs.  
 Short Way ### pcs. @ ###"  
 Long Way ### pcs. @ ###"

Build Height 68.0

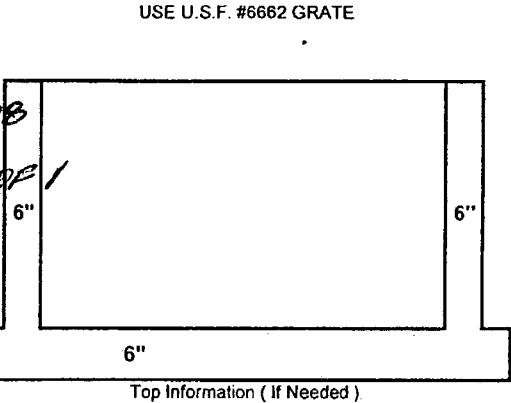
Top/Grate Elev.	21.50
Base/Inv. Elev.	16.40
Difference	5.10
Pipe Thk. & Adj.	+ 0.57
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	5.67

REFERENCE F.D.O.T. INDEX 200, 201 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01
Vert. Ft.	51.03		Wall Reinf. Vertical	Bar Size #4	Vert. S. 10 pc. @ 65"	Spacing Ctrs. 12"	Eyebolt & Chains  For all your Storm & Sanitary needs.  P.O. Box 370 Estero, FL 33928 Job Name: I-75 SEG. D / E Contractor: GUYMANN CONSTRUCTION Structure #: E-206	
Less Holes	7.92		Hor. Wall Reinf. Spacing Inner	Bar Size #4	Vert. S. 11 pc. @ 53"	Spacing Ctrs. 12"		
Total Wall	43.11		Hor. Wall Reinf. Spacing Outer	Bar Size #4	Vert. L. 11 pc. @ 57"	Spacing Ctrs. 12"		
Base	14.24		Hor. Wall Reinf. Spacing Outer	Bar Size #4	Vert. S. ### pc. @ ###"	Spacing Ctrs. ###"		
Top	0.00		None	#	Vert. S. ### pc. @ ###"	Spacing Ctrs. ###"		
Center Wall	0.00		Base Reinf. Spacing	Bar Size #5	Vert. S. 7 pc. @ 58"	Spacing Ctrs. 10"		
Total	57.35	8,603 Lbs.			Vert. L. 7 pc. @ 62"	Spacing Ctrs. 10"		

NOTE: h<sub>2</sub> dimension must be ≥ 1'-0" AND EXTRA #4 BARS PROVIDED AS PER 2008 DESIGN STANDARDS INDEX 201.



Box Size: FDOT TYPE "B" INLET  
 Type: DBI  
 Box I.D. L. 4.17 W. 3.83



USE U.S.F. #6662 GRATE

SHOP DRAWING REVIEW  
 GUYMANN CONSTRUCTION CO.

APPROVED

Checked by: *[Signature]*  
 Date: 7/10/2008

I-75 DBF ACCI/API, O. John Ventura  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 7/15/08

CS-SD 56 PAGE 1-1

A		
B	46" WIDE SLOT	DOWN 14" TRAVELABLE SLOT DEPTH IS 9"
C		
D	35" X HOLE	UP 2" 24" RCP INV. ELEV. = 16.40

FINISHED TOP YES  NO   
 Top Reinf. Schedule None  
 Bar Size #  
 Bar Spacing " Ctrs.  
 Short Way ### pcs. @ ###"  
 Long Way ### pcs. @ ###"

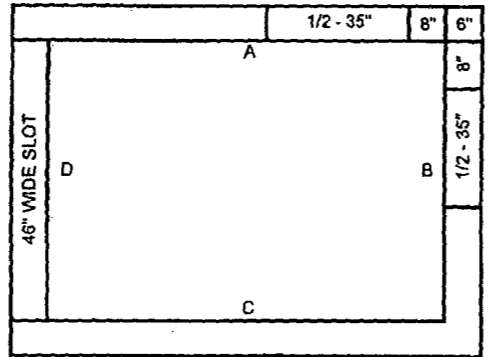
Build Height 68.0

Top/Grate Elev.	21.50
Base/Inv. Elev.	16.40
Difference	5.10
Pipe Thk. & Adj.	+ 0.57
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	5.67

REFERENCE F.D.O.T. INDEX 200, 201 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01
Vert. Ft.	51.03		Wall Reinf. Vertical	Bar Size #4	Vert. S. 10 pc. @ 65"	Spacing Ctrs. 12"	Eyebolt & Chains  For all your Storm & Sanitary needs.  P.O. Box 370 Estero, FL 33928 Job Name: I-75 SEG. D / E Contractor: GUYMANN CONSTRUCTION Structure #: E-205	
Less Holes	7.92		Hor. Wall Reinf. Spacing Inner	Bar Size #4	Vert. S. 11 pc. @ 53"	Spacing Ctrs. 12"		
Total Wall	43.11		Hor. Wall Reinf. Spacing Outer	Bar Size #4	Vert. L. 11 pc. @ 57"	Spacing Ctrs. 12"		
Base	14.24		Hor. Wall Reinf. Spacing Outer	Bar Size #4	Vert. S. ### pc. @ ###"	Spacing Ctrs. ###"		
Top	0.00		None	#	Vert. S. ### pc. @ ###"	Spacing Ctrs. ###"		
Center Wall	0.00		Base Reinf. Spacing	Bar Size #5	Vert. S. 7 pc. @ 58"	Spacing Ctrs. 10"		
Total	57.35	8,603 Lbs.			Vert. L. 7 pc. @ 62"	Spacing Ctrs. 10"		

NOTE: h<sub>2</sub> dimension MUST BE ≥ 1'-0" AND EXTRA #4 BARS PROVIDED AS PER 2002 DESIGN STANDARDS INDEX 201

A	35" X HOLE	UP 2" 24" RCP INV. ELEV. = 17.30
B		
C		
D	46" WIDE SLOT	DOWN 14" 9" TRAV SLOT DEPTH



- A. FURNISH AS SUBMITTED
- B. FURNISH AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED
- E. ENGINEER'S REVIEW NOT REQUIRED

FINISHED TOP YES  NO

Top Reinf. Schedule None

Bar Size #

Bar Spacing " Ctrs.

Short Way ### pcs. @ ### "

Long Way ### pcs. @ ### "

Box Size: FDOT TYPE "B" INLET

Type: DBI

Box I.D. L. 4.17 W. 3.83

This review is for general compliance with contract documents only. Any deviation from plan or specifications not clearly noted by the Contractor has not been reviewed. Nothing by the Engineer shall be taken to release the Contractor of the contractual responsibility for any error or deviation from contract requirements.

USE U.S.F. #6662 GRATE

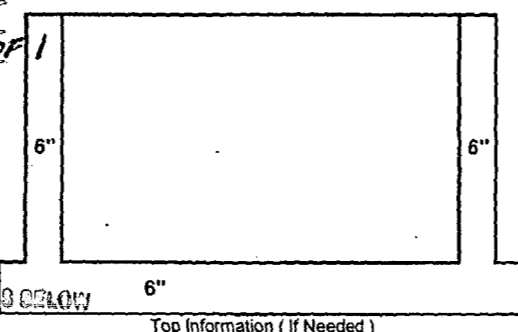
Build Height

Top/Grate Elev.	22.40
Base/Inv. Elev.	17.30
Difference	5.10
Pipe Thk. & Adj.	+ 0.57
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	5.67

By: *[Signature]* Date: 7/28/08

Shop Drawing Transmitted No. CS-SD 58

Project No. 03922-089-095 Page 1 of 1



- APPROVED
- AMEND-SEE CHANGES BELOW
- APPROVED AS NOTED
- REJECTED
- RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING QUANTITIES AND DIMENSIONS. SELECTING CONSTRUCTION METHODS AND TECHNIQUES OF CONSTRUCTION. COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

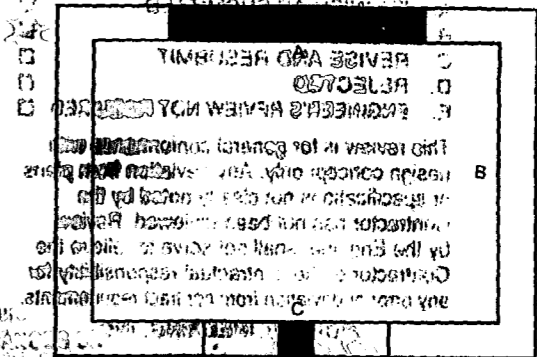
BY: *[Signature]* DATE: 7/10/08

Checked by: *[Signature]* Date: 7/10/2008

CS-SD 58 PAGE 1-1

SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO.  
**APPROVED**

A	41" HOLE	UP 2" 30" RCP INV. ELEV. = 18.20
B		
C	26" WIDE SLOT	DOWN 15 1/2" ELEV. = 20.20
D	3" HOLE	UP 23" ELEV. = 19.50



FINISHED TOP YES  NO

Top Reinf. Schedule None

Bar Size #

Bar Spacing " Ctrs.

Short Way ### pcs. @ ### "

Long Way ### pcs. @ ### "

Box Size: FDOT TYPE "E" INLET

Type: CONTROL STRUCTURE

Box I.D. L. 4.50 W. 3.00

APPROVED

AMEND-SEE CHANGES BELOW

APPROVED AS NOTED

REJECTED

RETURNED FOR CORRECTION

DATE: 7/15/08

USE U.S.F. #6615 GRATE

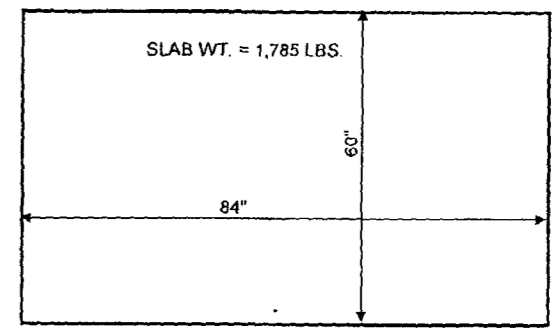
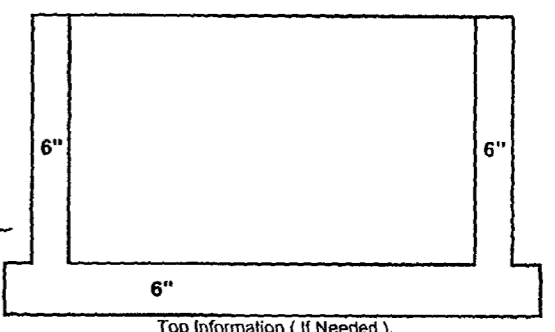
Build Height

Top/Grate Elev.	21.50
Base/Inv. Elev.	18.20
Difference	3.30
Pipe Thk. & Adj.	+ 0.62
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	3.92

SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO.  
**APPROVED**

Checked by: *[Signature]*

Date: 7/10/2008



REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS				Structure Reinforcing Schedule				Notes:		FDOT Project #420655-1-52-01			
Vert. Ft.	Concrete Cubic Ft.	Per Weight in Lbs.	Date Cast or Weight in Lbs.	Wall Reinf. Vertical	Bar Size	Vert. Spacing	Spacing Ctrs.	Notes:	Notes:	Notes:	Notes:	Notes:	Notes:
Vert. Ft.	33.32			A12	# 4	10 pc @ 53"	12						
Less Holes	5.94			Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. Spacing	Spacing Ctrs.						
Total Wall	27.38			A12	# 4	11 pc @ 57"	12						
Base	12.67			Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. Spacing	Spacing Ctrs.						
Top	11.90			None	#	## pc @ ##"							
Center Wall	0.00			Base Reinf. Spacing	Bar Size	Vert. Spacing	Spacing Ctrs.						
Total	40.05		6,008 Lbs.	B10	# 4	7 pc @ 62"	10						

REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS				Structure Reinforcing Schedule				Notes:		FDOT Project #420655-1-52-01			
Vert. Ft.	Concrete Cubic Ft.	Per Weight in Lbs.	Date Cast or Weight in Lbs.	Wall Reinf. Vertical	Bar Size	Vert. Spacing	Spacing Ctrs.	Notes:	Notes:	Notes:	Notes:	Notes:	Notes:
Vert. Ft.	51.03			A12	# 4	10 pc @ 53"	12						
Less Holes	7.92			Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. Spacing	Spacing Ctrs.						
Total Wall	43.11			A12	# 4	11 pc @ 57"	12						
Base	14.24			Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. Spacing	Spacing Ctrs.						
Top	0.00			None	#	## pc @ ##"							
Center Wall	0.00			Base Reinf. Spacing	Bar Size	Vert. Spacing	Spacing Ctrs.						
Total	57.35		8,603 Lbs.	C6.5	# 5	7 pc @ 62"	10						

For all your Storm & Sanitary needs.

Ph: 239-482-7468  
Fx: 239-482-7469

P.O. Box 370  
Estero, Fl. 33928

Job Name: I-75 SEG. D / E

Contractor: GUYMANN CONSTRUCTION

Structure #: E-300

For all your Storm & Sanitary needs.

Ph: 239-482-7468  
Fx: 239-482-7469

P.O. Box 370  
Estero, Fl. 33928

Job Name: I-75 SEG. D / E

Contractor: GUYMANN CONSTRUCTION

Structure #: E-303

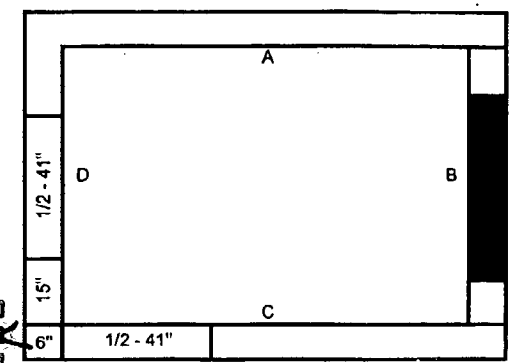
- A. FURNISH AS SUBMITTED
- B. FURNISH AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED
- E. ENGINEER REVIEW NOT REQUIRED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the Contractor has not been reviewed. Review by the Engineer shall not serve to release the Contractor of the contractual responsibility for any error or deviation from contract requirements.

By Al Stewart Date 7/28/08  
 Shop Drawing Transmittal No. CS-SD60 PAGE 2 OF 2  
 Project No. 06922-089-096

NOTE: h<sub>2</sub> DIMENSION MUST BE ≥ 1'-0" AND CATBA #4 BARS PROVIDED AS PER 2008 DESIGN STANDARDS INDEX 201

A	46" WIDE SLOT	DOWN 14"	TRAV SLOT DEPTH = 9"
B	26" HOLE	UP 3 1/2"	18" RCP INV. ELEV. = 12.20
C			
D	41" X HOLE	UP 2"	30" RCP INV. ELEV. = 12.20



- A. FURNISH AS SUBMITTED
- B. FURNISH AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED
- E. ENGINEER REVIEW NOT REQUIRED

FINISHED TOP YES  NO

Top Reinf. Schedule  
 None  
 Bar Size #  
 Bar Spacing " Ctrs.  
 Short Way ### pcs. @ ###"  
 Long Way ### pcs. @ ###"

Build Height	
Top/Grate Elev.	22.40
Base/Inv. Elev.	- 12.20
Difference	10.20
Pipe Thk. & Adj.	+ 0.62
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	10.82

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the Contractor has not been reviewed. Review by the Engineer shall not serve to release the Contractor of the contractual responsibility for any error or deviation from contract requirements.

By Al Stewart Date 7/28/08  
 Shop Drawing Transmittal No. CS-SD60 PAGE 1 OF 1  
 Project No. 06922-089-096

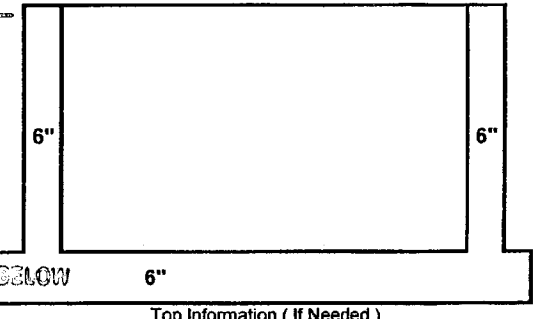
71" BASE WT. = 9,086 LBS.  
 58 1/2" RISER WT. = 6,252 LBS.

- APPROVED
- APPROVED AS NOTED
- RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING APPROPRIATE PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 7/19/08

Box Size: FDOT TYPE "B" INLET  
 Type: DBI  
 Box I.D. L. 4.17 W. 3.83

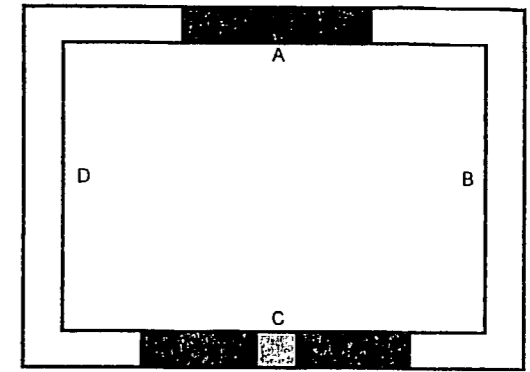


SHOP DRAWING REVIEW  
 GUYMANN CONSTRUCTION CO  
**APPROVED**

Checked by: [Signature]  
 Date: 7/10/2008

REFERENCE F.D.O.T. INDEX 200, 201 & 231 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01
Vert. Ft.	97.38		Wall Reinf. Vertical	Bar Size	Vert S.	Spacing Ctrs."	Eyebolt & Chains	
Less Holes	11.61		Hor. Wall Reinf. Spacing Inner	# 4	26 pc. @ 53"	10		
Total Wall	85.77				26 pc. @ 57"	10	For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fx: 239-482-7469 P.O. Box 370 Estero, FL 33928	
Base	14.24		Base Reinf. Spacing	# 5	7 pc. @ 58"	10		
Top	0.00				7 pc. @ 62"		Job Name: I-75 SEG. D / E	
Center Wall	0.00						Contractor: GUYMANN CONSTRUCTION	
Total	100.01	15,002 Lbs.					Structure #: E-306	

A	35" HOLE UP 4 3/4"	24" RCP INV. ELEV. = 14.80
B		
C	44" WIDE SLOT DOWN 15 1/2" 6" PVC UP 10 1/2"	ELEV. = 17.70 3" BLEEDER ELEV. = 15.00
D		



Riser Steel Reinforcement  
None

FINISHED TOP YES  NO

Top Reinf. Schedule  
None  
Bar Size #  
Bar Spacing " Ctrs.  
Short Way ### pcs. @ ### "  
Long Way ### pcs. @ ### "

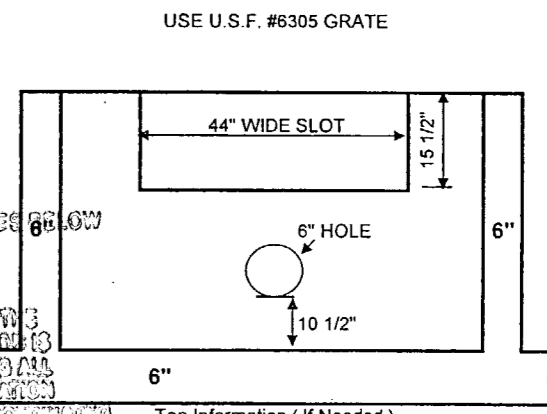
Box Size: FDOT TYPE "H" INLET  
Type: CONTROL STRUCTURE  
Box I.D. L. 6.50 W. 3.00

Build Height 60.0 "

Top/Grate Elev.	19.00
Base/Inv. Elev.	14.00
Difference	5.00
Pipe Thk. & Adj.	+ 0.00
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	5.00

SUMP

1-75 SEG ASCHAPI. D JOHN VORTARO  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, INCLUDING MATERIALS, METHODS AND TECHNIQUES OF CONSTRUCTION, TO THE WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 3/14/08



USE U.S.F. #6305 GRATE

CS-SD19 PAGE 1-1

SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO

**PROVED**

Checked by: *[Signature]*  
Date: 3/10/08

INDEX 232 & 240 *[Signature]* 3-14-08

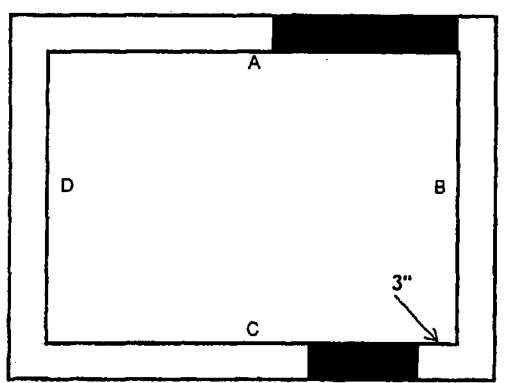
REFERENCE F.D.O.T. INDEX 200, 201 FOR DETAILS	Structure Reinforcing Schedule	Notes: FDOT Project #420655-1-52-01
		Notes: Eyebolt & Chains
Vert. Ft.	Concrete Per Cubic Ft. 52.50	For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fx: 239-482-7469 P.O. Box 370 Estero, FL 33928
Less Holes	5.74	
Total Wall	46.76	
Base	17.01	
Top	0.00	
Center Wall	0.00	
Total	63.77	9,566 Lbs.

COASTAL PRECAST of Florida  
 Ph: 239-482-7468  
 Fx: 239-482-7469  
 P.O. Box 370  
 Estero, FL 33928

Job Name: I-75 SEGMENT "C"  
 Contractor: GUYMANN CONSTRUCTION  
 Structure #: C1-003

16.02.035

A	35" HOLE	UP 2"	24" RCP	@ ELEV. 9.80
B				
C	26" HOLE	UP 9 1/2"	18" RCP	@ ELEV. 10.30
D				



SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO.

**APPROVED**

Checked by: *[Signature]*  
Date: 10/14/2009

Box Size: 4'-0" X 7'-0" BOX

Type: TYPE "J-5" INLET  
Box I.D. L. 7.00 W. 4.00

U.S.F. #5160-6310 FRAME & GRATE

USE P-5 RT. TOP

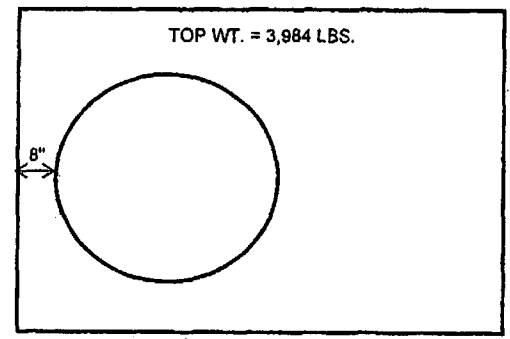
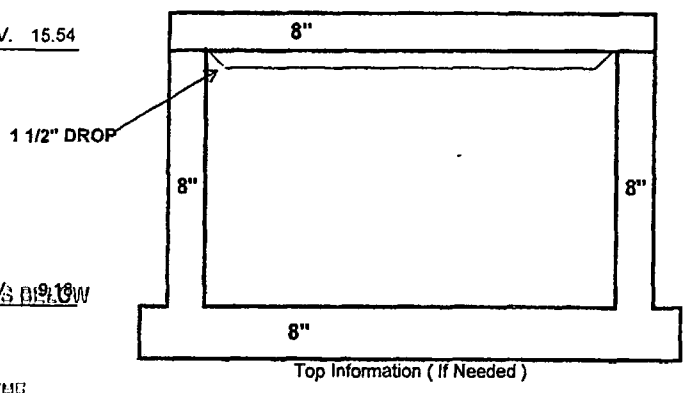
FINISHED TOP YES  NO

Top Reinf. Schedule C6.5

Bar Size	# 5
Bar Spacing	10 " Ctrs.
Short Way	7 pcs. @ 59 "
Long Way	11 pcs. @ 95 "

Build Height 76.3 " ELEV. 15.54

Top/Grate Elev.	17.79
Base/Inv. Elev.	9.80
Difference	7.99
Pipe Thk. & Adj.	+ 0.62
Less Top Slab	- 0.67
Less P-5 TOP	- 1.58
Net Height	6.36



1-75 DBF ACC/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

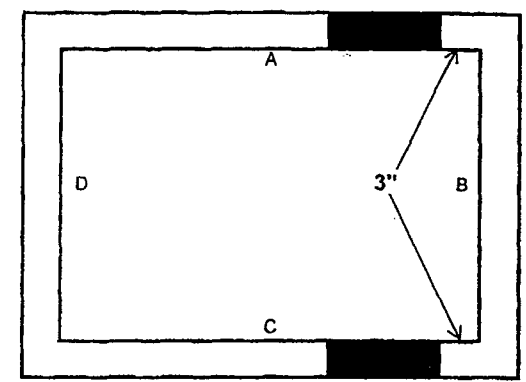
BY: *[Signature]* DATE: 10/16/09

8" DROP TOP SLAB w/ 42" HOLE  
CS-SD74 PAGE 1-1

REFERENCE F.D.O.T. INDEX 200, 201 & 211 FOR DETAILS			Structure Reinforcing Schedule				Notes:	
Vert. Ft.	104.59		Wall Reinf. Vertical	Bar Size	Vert. S.	21 pc. @ 73 "	Spacing Ctrs. " 12	Notes: <u>FD # 420 655 -1-52-01</u>  For all your Storm & Sanitary needs. Ph: 239-482-7468 Fx: 239-482-7469 P.O.Box 370 Estero, FL. 33928 CRISTAL PRECAST of Florida
Less Holes	6.89		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	15 pc. @ 55 "	Spacing Ctrs. " 10	
Total Wall	97.70		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	15 pc. @ 91 "	Spacing Ctrs. " 10	
Base	32.80		Base Reinf. Spacing	Bar Size	Vert. S.	11 pc. @ 64 "	Spacing Ctrs. " 10	
Top	26.56							
Center Wall	0.00							Job Name: I-75 SEG. A - IMMOKALEE RD
Total	130.50	19,575 Lbs.						Contractor: GUYMANN CONSTRUCTION
								Structure #: AFI-29

16.02.036

A	26" HOLE	UP 2"	18" RCP	@ ELEV. 10.60
B				
C	26" HOLE	UP 2"	18" RCP	@ ELEV. 10.60
D				



SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO.

**APPROVED**

Checked by: *[Signature]*  
Date: 10/14/2009

Box Size: 4'-0" X 9'-0" BOX

Type: TYPE "J-5" INLET  
Box I.D. L. 9.00 W. 4.00

U.S.F. #5160-6310 FRAME & GRATE

USE P-5 RT. TOP

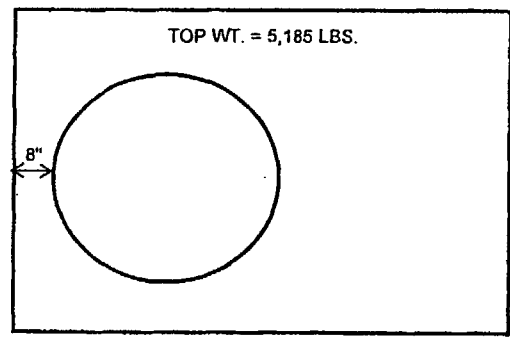
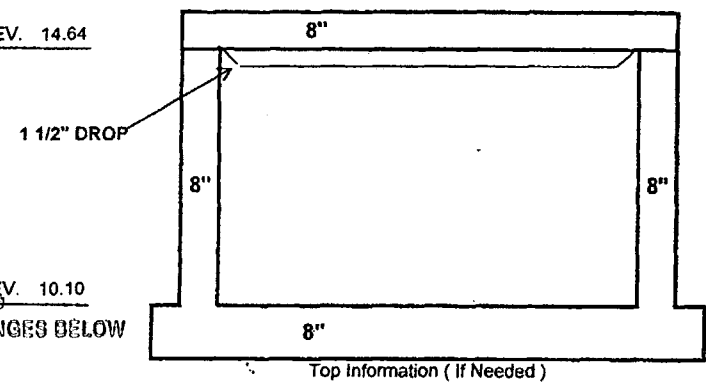
FINISHED TOP YES  NO

Top Reinf. Schedule B5.5

Bar Size	# 4
Bar Spacing	10 " Ctrs.
Short Way	7 pcs. @ 59 "
Long Way	13 pcs. @ 119 "

Build Height 54.5 " ELEV. 14.64

Top/Grate Elev.	16.89
Base/Inv. Elev.	10.60
Difference	6.29
Pipe Thk. & Adj.	+ 0.50
Less Top Slab	- 0.67
Less P-5 TOP	- 1.58
Net Height	4.54



1-75 DBF ACC/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 10/16/09

8" DROP TOP SLAB w/ 42" HOLE  
PAGE 1-1 CS-SD75

REFERENCE F.D.O.T. INDEX 200, 201 & 211 FOR DETAILS			Structure Reinforcing Schedule				Notes:	
Vert. Ft.	86.76		Wall Reinf. Vertical	Bar Size	Vert. S.	21 pc. @ 51 "	Spacing Ctrs. " 12	Notes:  For all your Storm & Sanitary needs. Ph: 239-482-7468 Fx: 239-482-7469 P.O.Box 370 Estero, FL. 33928 CRISTAL PRECAST of Florida
Less Holes	4.80		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	11 pc. @ 55 "	Spacing Ctrs. " 10	
Total Wall	81.96		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	11 pc. @ 115 "	Spacing Ctrs. " 10	
Base	40.37		Base Reinf. Spacing	Bar Size	Vert. S.	11 pc. @ 60 "	Spacing Ctrs. " 10	
Top	34.57							
Center Wall	0.00							Job Name: I-75 SEG. A - IMMOKALEE RD
Total	122.33	18,350 Lbs.						Contractor: GUYMANN CONSTRUCTION
								Structure #: AFI-30

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

MOR ENGINEERING, INC.

By [Signature] Date 10/19/09

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

MOR ENGINEERING, INC.

By [Signature] Date 10/19/09

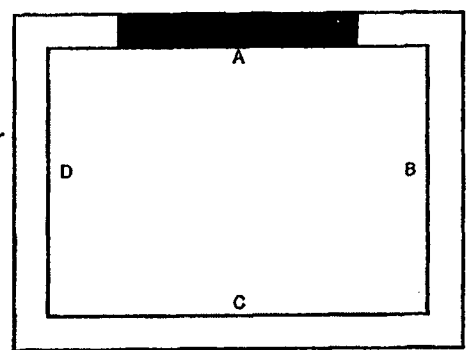
Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_



16.02.034

A	24" X 32" HOLE	UP 2"	14" x 23" ERCP	@ ELEV. 12.20
B	A. APPROVED AS SUBMITTED <input type="checkbox"/>			
C	B. APPROVED AS NOTED <input checked="" type="checkbox"/>			
D	C. REVISE AND RESUBMIT <input type="checkbox"/>			
	D. REJECTED <input type="checkbox"/>			



This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

FINISHED TOP YES  NO

Top Reinf. Schedule None

Bar Size #

Bar Spacing " Ctrs.

Short Way ### pcs. @ ### "

Long Way ### pcs. @ ### "

Box Size: 3'-6" X 3'-6" BOX

Type: TYPE P-5 (RIGHT)

Box I.D. L. 3.50 W. 3.50

Build Height 25.9" ELEV. 13.7865

Top/Grate Elev.	EOP	15.36
Base/Inv. Elev.	-	12.20
Difference		3.16
Pipe Thk. & Adj.	+	0.58
Less P-5	-	1.88
Less R&C or F&G	-	0.00
Net Height		2.10

MOB ENGINEERING, INC.

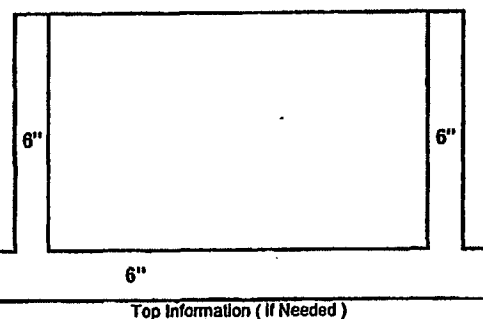
By: *[Signature]* Date: 10/19/09

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

U.S.F. #5160-6310 FRAME & GRATE

USE PRECAST TOP TYPE 5 RIGHT



I-75 DBF ACC/API, a Joint Venture

APPROVED  AMEND-SEE CHANGES BELOW

APPROVED AS NOTED  REJECTED

RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 10/10/09

SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO.

APPROVED

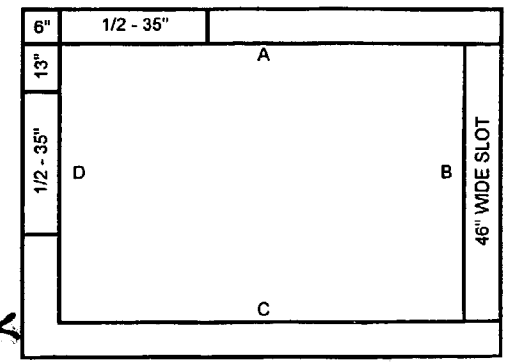
Checked by: *[Signature]*  
Date: 9/29/2009

CS-SD 73 PAGE 1-1

REFERENCE F.D.O.T. INDEX 200, 201 & 211 FOR DETAILS			Structure Reinforcing Schedule				Notes:	
Vert. Ft.	17.28	921-A	Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	4 pc. @ 49"	Spacing Ctrs. 12	Notes: FIN. ID #420655-1-52-01 For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fax: 239-482-7469 P.O. Box 370 Estero, FL 33928 Job Name: I-75 SEG. A - IMMOKALEE RD Contractor: GUYMANN CONSTRUCTION Structure #: AFI-12
Less Holes	2.25		A12	# 4	Vert. L.	4 pc. @ 49"		
Total Wall	15.03							
Base	11.71							
Top	0.00							
Center Wall	0.00		Base Reinf. Spacing	Bar Size	Vert. S.	6 pc. @ 54"	Spacing Ctrs. 10	
Total	28.74	4,011 Lbs.	B10	# 4	Vert. L.	6 pc. @ 54"		

NOTE: h<sub>2</sub> DIMENSION MUST BE ≥ 1'-0" AND EXTRA #4 BARS PROVIDED AS PER 2008 DESIGN STANDARDS INDEX 201

A		
B	46" WIDE SLOT	DOWN 14" 9" TRAV. SLOT DEPTH
C		
D	35" X HOLE	UP 2" 24" RCP INV. ELEV. = 17.30



A. FURNISH AS SUBMITTED

B. FURNISH AS NOTED

C. REVISE AND RESUBMIT

D. REJECTED

E. CHANGES REVIEW NOT ALLOWED

FINISHED TOP YES  NO

Top Reinf. Schedule None

Bar Size #

Bar Spacing " Ctrs.

Short Way ### pcs. @ ### "

Long Way ### pcs. @ ### "

Box Size: FDOT TYPE "B" INLET

Type: DBI

Box I.D. L. 4.17 W. 3.83

Build Height

Top/Grate Elev.	22.80
Base/Inv. Elev.	- 17.30
Difference	5.50
Pipe Thk. & Adj.	+ 0.57
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	6.07

I-75 DBF ACC/API, a Joint Venture

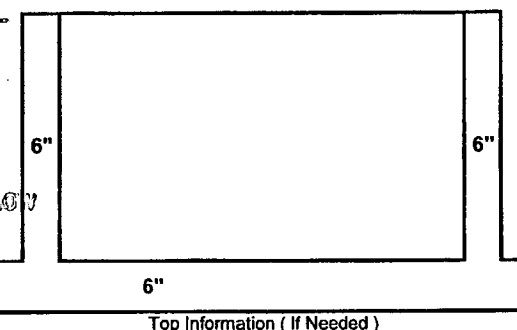
APPROVED  AMEND-SEE CHANGES BELOW

APPROVED AS NOTED  REJECTED

RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 7/10/08



SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO.

APPROVED

Checked by: *[Signature]*  
Date: 7/10/2008

REFERENCE F.D.O.T. INDEX 200, 201 & 231 FOR DETAILS			Structure Reinforcing Schedule				Notes:
Vert. Ft.	54.63		Wall Reinf. Spacing Inner	Bar Size	Vert. S.	12 pc. @ 53"	Notes: FDOT Project #420655-1-52-01 Eyebolt & Chains For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fax: 239-482-7469 P.O. Box 370 Estero, FL 33928 Job Name: I-75 SEG. D / E Contractor: GUYMANN CONSTRUCTION Structure #: E-307
Less Holes	7.92		A6	# 4	Vert. L.	12 pc. @ 57"	
Total Wall	46.71						
Base	14.24						
Top	0.00						
Center Wall	0.00		Base Reinf. Spacing	Bar Size	Vert. S.	7 pc. @ 58"	Spacing Ctrs. 10
Total	60.95	9,143 Lbs.	C6.5	# 5	Vert. L.	7 pc. @ 62"	

- A. FURNISH AS SUBMITTED
- B. FURNISH AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED
- E. ENGINEER'S REVIEW NOT REQUIRED



This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the Contractor has not been reviewed. Review by the Engineer shall not serve to relieve the Contractor of the contractual responsibility for any error or deviation from contract requirements.

By W. J. Smith Date 7/28/08  
 Shop Drawing Transmittal No. CS-SD62 PAGE 2 OF 2  
 Project No. 06922-089-096

A	41" X 46" HOLE	UP 35 1/2" 30" PVC INV. ELEV. = 16.75
B	35" HOLE	UP 2" 24" RCP INV. ELEV. = 13.90
C	41" X 46" HOLE	UP 35 1/2" 30" PVC INV. ELEV. = 16.75
D	35" HOLE	UP 2" 24" RCP INV. ELEV. = 13.90

FINISHED TOP YES  NO

Top Reinf. Schedule  
 C3.5  
 Bar Size # 5  
 Bar Spacing 10" Ctrs.  
 Short Way 9 pcs. @ 79"  
 Long Way 12 pcs. @ 103"

Build Height 92.4"

APPROVED  APPROVED AS NOTED  REJECTED   
 APPROVED FOR CORRECTION  APPROVED FOR GENERAL COMPLIANCE   
 CONTRACT DOCUMENTS ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTIVE VERIFICATION PROCESS AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 7/15/08

Box Size: **6'-0" X 8'-0" BOX**  
 Type: J-8 MANNHOLE  
 Box I.D. L: 8.00 W: 6.00  
 USE U.S.F. #170-XB STORM RING & COVER

**CS-SD62 PAGE 1-1**

**SHOP DRAWING REVIEW**  
**GUYMANN CONSTRUCTION CO**  
**APPROVED**

Checked by: [Signature]  
 Date: 7/10/2008

8" DROP TOP w/ 48" HOLE  
 FOR 2'-0" CONE - 5" WALL

Top Information (If Needed)

TOP WT. = 7,033 LBS.

REFERENCE F.D.O.T. INDEX 200, 201, 207 & C-478 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01
	Concrete Per Cubic Ft.	Date Cast or Weight in Lbs.	Hor. Wall Reinf. Spacing Inner	Bar Size	Vert S.	Spacing Ctrs.	Eyebolt & Chains	
Vert. Ft.	115.50		D4.5	# 5	26 pc. @ 79"	7	<p>For all your Storm &amp; Sanitary needs.</p> <p>Ph: 239-482-7468          Fx: 239-482-7469          P.O. Box 370          Estero, FL 33928</p>	
Less Holes	17.32							
Total Wall	98.18							
Base	45.70							
Top	46.89							
Center Wall	0.00		Base Reinf. Spacing	Bar Size	Vert S.	Spacing Ctrs.	Job Name: I-75 SEG. D / E	
Total	143.88	21,583 Lbs.	C3.5	# 5	12 pc. @ 84"	10	Contractor: GUYMANN CONSTRUCTION	
					9 pc. @ 108"		Structure #: E-404	



- A. FURNISH AS SUBMITTED
- B. FURNISH AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED
- E. ENGINEER'S REVIEW NOT REQUIRED

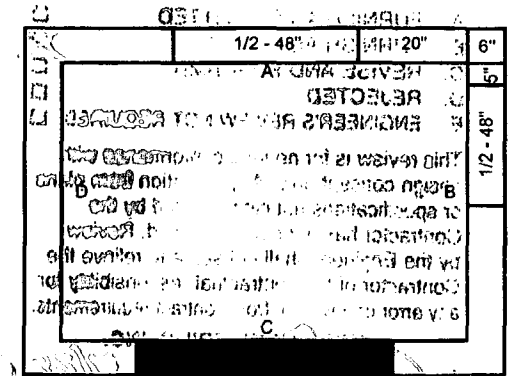
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the Contractor has not been reviewed. Plans by the Engineer shall not serve to release the Contractor of the contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By: Al [Signature] Date: 7/28/08  
 Shop Drawing Transmittal No. CS-SD64 PAGE 2 OF 2  
 Project No. 06-922-089-196

NOTE: h<sub>2</sub> dimension MUST BE ≥ 1'-0" AND EXTRA #4 BARS PROVIDED AS PER 2008 DESIGN STANDARDS INDEX 201

A	48" X HOLE	UP 2" 36" RCP INV. ELEV. = 18.80
B		
C	48" HOLE	UP 2" 36" RCP INV. ELEV. = 18.80
D		



I-75 DCP ACCUMPL. O. J. [Signature]  
 APPROVED  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING WORKMAN PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

Box Size: **4'-0" X 6'-0" BOX**  
 Type: J-7 MANHOLE  
 Box I.D. L. 6.00 W. 4.00

FINISHED TOP YES  NO

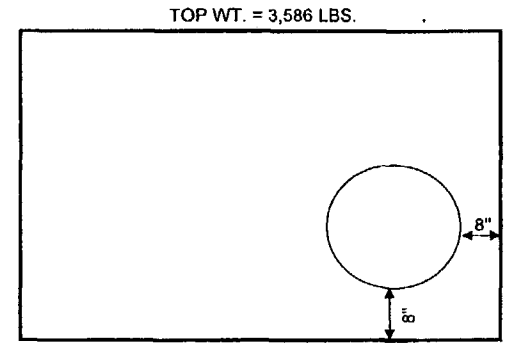
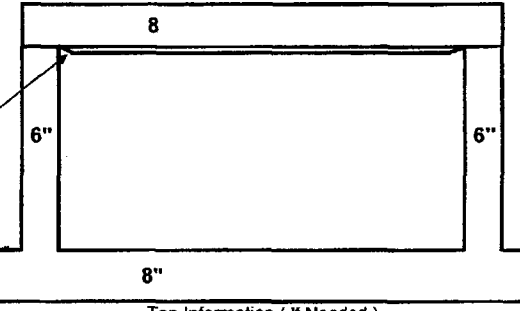
Top Reinf. Schedule B5.5

Bar Size	#	4
Bar Spacing	10" Ctrs.	
Short Way	7 pcs. @	55"
Long Way	9 pcs. @	79"

Build Height 53.4"

Top/Grate Elev.	24.00
Base/Inv. Elev.	- 18.80
Difference	5.20
Pipe Thk. & Adj.	+ 0.67
Less Top Slab	- 0.67
Less R&C or F&G	- 0.75
Net Height	4.45

SHOP DRAWING REVIEW  
 GUYMANN CONSTRUCTION CO  
**APPROVED**  
 Checked by: [Signature]  
 Date: 7/10/2008



REFERENCE F.D.O.T. INDEX 200, 201 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01
Vert. Ft.	48.95		Wall Reinf. Spacing	Bar Size	Vert. S.	Spacing Ctrs. "	Eyebolt & Chains  For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fx: 239-482-7469 P.O. Box 370 Estero, FL 33928	
Less Holes	17.62		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	Spacing Ctrs. "		
Total Wall	31.33			# 5	Vert. L.	Spacing Ctrs. "		
Base	26.13		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	Spacing Ctrs. "		
Top	23.91				Vert. L.	Spacing Ctrs. "		
Center Wall	0.00		Base Reinf. Spacing	Bar Size	Vert. S.	Spacing Ctrs. "	Job Name: I-75 SEG. D / E	
Total	57.46	8,619 Lbs.		# 4	Vert. L.	Spacing Ctrs. "	Contractor: GUYMANN CONSTRUCTION	
							Structure #: E-417	





**ACCI/API, a Joint Venture**

12751 Westlinks Drive, Units 1 & 2  
Fort Myers, FL 33913  
Tel (239) 313-4600 Fax (239) 561-0739



**TRANSMITTAL**

To: HDR Engineering  
12751 Westlinks Drive, Unit 1 & 2  
Fort Myers, FL 33913

Date: March 25, 2008

Attn: John Kubler  
Drainage Engineer

Phone: 239-313-4600  
Fax: 239-561-0739

RE: I-75 Design-Build-Finance Project  
Contract ID No. E1F59

**We are sending you:**  Attached  Under separate cover, the following items:

- Plans
- Specifications
- Sublet Certification
- Schedule
- Shop Drawings
- Material Certification
- Samples
- Change Order
- Notice
- Copy of Letter
- Other \_\_\_\_\_

No. of Copies	Date	Trans. No.	Description
1	03/24/08	CS-SD28	B-106 (Corner Pipe Inlet)
1	03/24/08	CS-SD29	B-107 (Control Structure)
1	03/24/08	CS-SD30	B-206 (Control Structure)
1	03/24/08	CS-SD31	B-301 (Control Structure)
1	03/24/08	CS-SD32	B-302 (Riser Change from J-8 to J-7)
1	03/24/08	CS-SD33	B-404 (Control Structure)
1	03/10/08	CS-SD34	B-501 (Control Structure)
1	03/10/08	CS-SD35	B-602 (Corner Pipe Inlet)
1	03/10/08	CS-SD36	B-603 (Control Structure)
1	03/10/08	CS-SD37	B-701 (Control Structure)
1	03/10/08	CS-SD38	B-705 (Corner Pipe Inlet)
1	03/10/08	CS-SD39	B-801 (Control Structure)

**These are transmitted for the purpose checked below:**

- For approval
- Approved as submitted
- Proceed
- For review
- Approved as noted
- Correct and proceed
- For information
- Returned for corrections
- Correct and resubmit
- Other \_\_\_\_\_

Remarks: Shop Drawing: Index 200, 201, 232, 240 & ASTM C478.  
Please review as soon as possible.

Signed:

Engineering by



**Guymann Construction of Florida, Inc.**

Land Development and Underground Construction  
305 SW 3rd St  
Cape Coral, FL 33991  
(239) 574-4174  
Fax (239) 574-4091

**LETTER OF TRANSMITTAL**

Date: 3/24/2008
Attention: Felipe Jaramillo, E.I.
RE: I-75 DBF Segment "C"
Precast Drainage Structure Submittals

ACCI / API, a Joint Venture  
12751 Westlinks Drive, Units 1 & 2  
Fort Myers, FL 33913

**WE ARE SENDING YOU ATTACHED:**

- Plans
- Submittals/Shop Drawings
- Pay Request
- Other: See description below

Copies	Date	No.	Description
2	3/24/2008	1	B-106, (Corner Pipe Inlet)
2	3/24/2008	1	B-107, (Control Structure)
2	3/24/2008	1	B-206, (Control Structure)
2	3/24/2008	1	B-301, (Control Structure)
2	3/24/2008	1	B-302, (Riser Change from J-8 to J-7)
2	3/24/2008	1	B-404, (Control Structure)
2	3/24/2008	1	B-501, (Control Structure)
2	3/24/2008	1	B-602, (Corner Pipe Inlet)
2	3/24/2008	1	B-603, (Control Structure)
2	3/24/2008	1	B-701, (Control Structure)
2	3/24/2008	1	B-705, (Corner Pipe Inlet)
2	3/24/2008	1	B-801, (Control Structure)

**THESE ARE TRANSMITTED as marked below:**

- For approval
- For your use
- As requested
- For review and comment
- FOR BIDS DUE:

**REMARKS:**

Please let me know if you need any further information regarding the drainage structures in Segment "B".

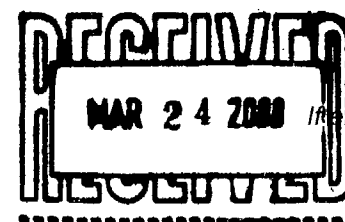
Thank You

Aaron

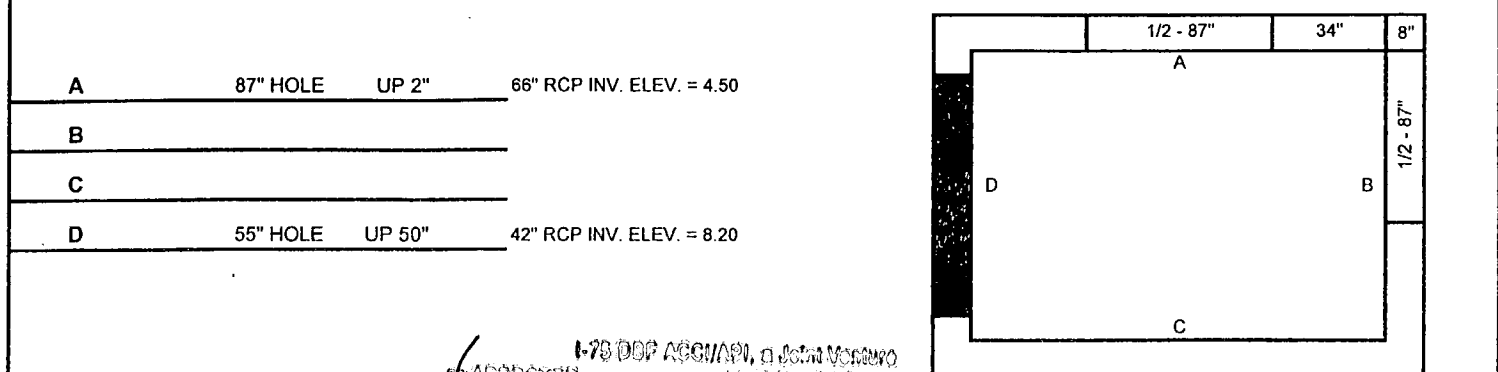
COPY TO: HDR, Inc. and Metric Engineering

SIGNED

Aaron Hunt-Branch, E.I.



If enclosures are not as noted, kindly notify us at once.



Riser Steel Reinforcement None

FINISHED TOP YES  NO

Top Reinf. Schedule -- D7

Bar Size	#	5
Bar Spacing	7	" Ctrs.
Short Way	15	pcs. @ 71 "
Long Way	12	pcs. @ 95 "

Box Size: 5'-0" X 7'-0" BOX

Type: J-8 MANHOLE

Box I.D. L. 7.00 W. 5.00

USE U.S.F. #170-XB RING & COVER

APPROVED

APPROVED AS NOTED

REJECTED

RETURNED FOR CORRECTION

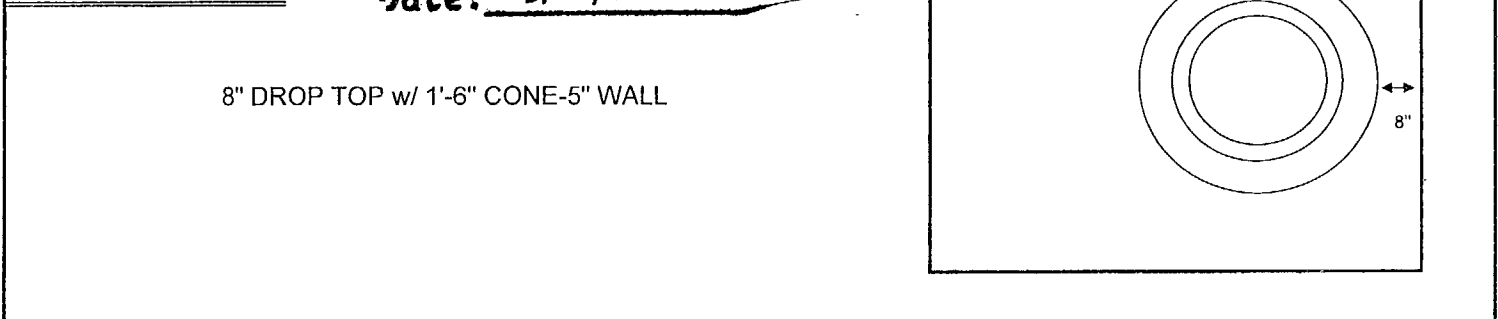
AGREEMENT IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FASTENING METHODS AND TECHNIQUES OF CONSTRUCTION; COORDINATING WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

DATE: 3/25/08

CS-SD28 PAGE 1-1

Build Height 108.0 "

Top/Grate Elev.	15.40
Base/Inv. Elev.	- 4.50
Difference	10.90
Pipe Thk. & Adj.	+ 1.02
Less Top Slab	- 2.17
Less R&C or F&G	- 0.75
Net Height	9.00



SHOP DRAWING REVIEW

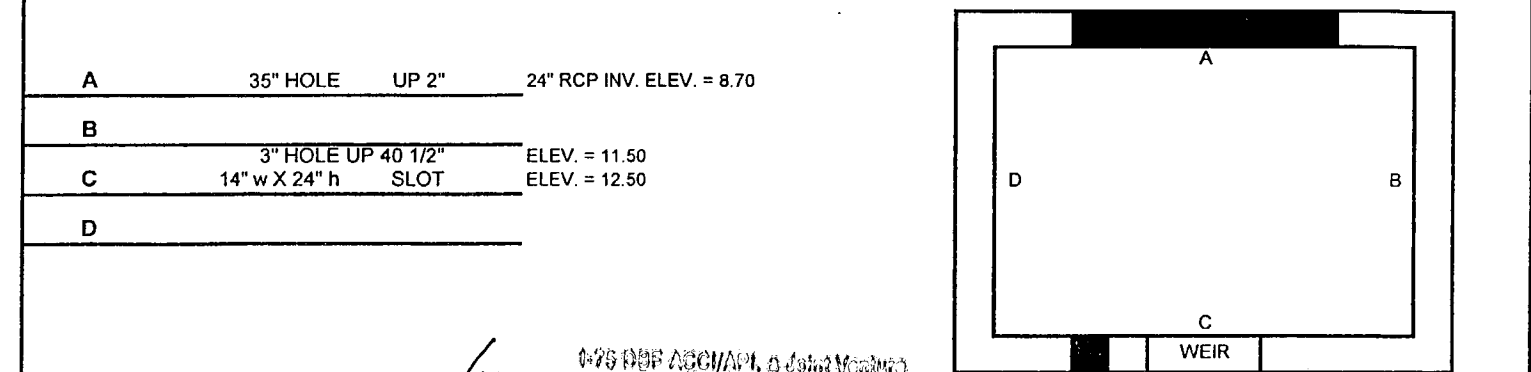
GUYMANN CONSTRUCTION CO

APPROVED

Checked by: *[Signature]*

Date: 3/24/2008

REFERENCE F.D.O.T. INDEX 200, 201 & C-478 FOR DETAILS		Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01	
Vert. Ft.	160.00	Wall Reinf. Vertical	Bar Size	Vert. S.	25 pc @ 105 "	Spacing Ctrs.	12	Eyebolt & Chains For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fx: 239-482-7469 P.O. Box 370 Estero, FL 33928
Less Holes	56.38	Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	22 pc @ 67 "	Spacing Ctrs.	10	
Total Wall	103.62	Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	22 pc @ 91 "	Spacing Ctrs.	10	
Base	38.59	Base Reinf. Spacing	Bar Size	Vert. S.	22 pc @ 72 "	Spacing Ctrs.	10	
Top	38.11	Base Reinf. Spacing	Bar Size	Vert. S.	22 pc @ 98 "	Spacing Ctrs.	10	
Center Wall	0.00	Base Reinf. Spacing	Bar Size	Vert. S.	15 pc @ 76 "	Spacing Ctrs.	7	
Total	142.21				12 pc @ 100 "			Job Name: I-75 SEGMENT "B" Contractor: GUYMANN CONSTRUCTION Structure #: B-106



Riser Steel Reinforcement None

FINISHED TOP YES  NO

Top Reinf. Schedule None

Bar Size	#	5
Bar Spacing	7	" Ctrs.
Short Way	###	pcs. @ ### "
Long Way	###	pcs. @ ### "

Box Size: FDOT TYPE "D" INLET

Type: CONTROL STRUCTURE

Box I.D. L. 4.00 W. 3.00

USE U.S.F. #6625 GRATE

APPROVED

APPROVED AS NOTED

REJECTED

RETURNED FOR CORRECTION

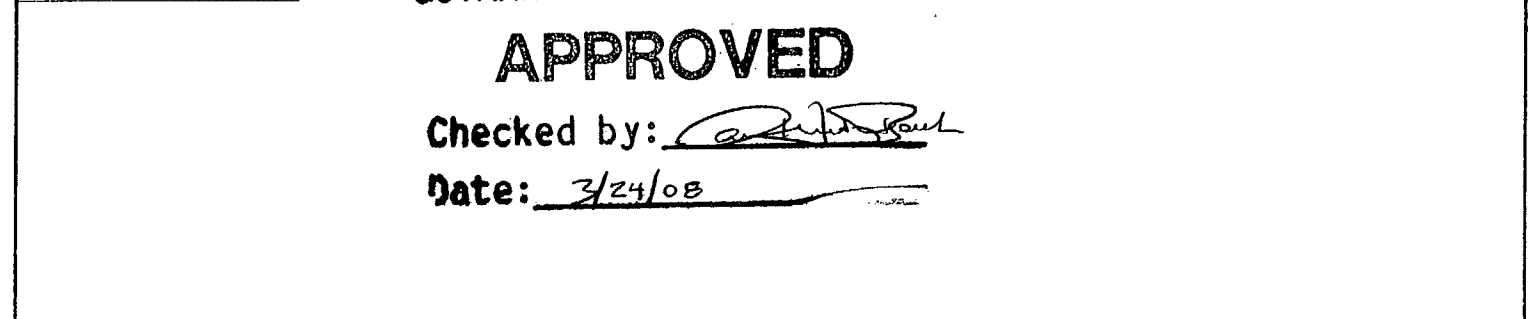
AGREEMENT IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FASTENING METHODS AND TECHNIQUES OF CONSTRUCTION; COORDINATING WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

DATE: 3/25/08

CS-SD29 PAGE 1-1

Build Height 76.4 "

Top/Grate Elev.	14.50
Base/Inv. Elev.	- 8.70
Difference	5.80
Pipe Thk. & Adj.	+ 0.57
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	6.37



SHOP DRAWING REVIEW

GUYMANN CONSTRUCTION CO

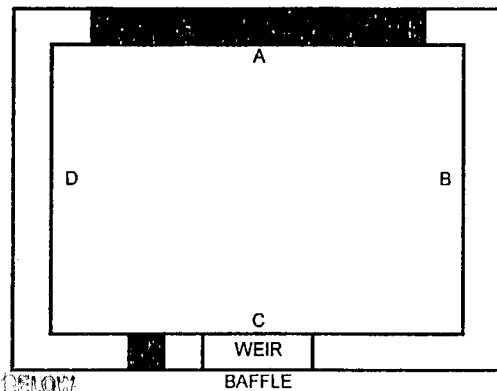
APPROVED

Checked by: *[Signature]*

Date: 3/24/08

REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS		Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01	
Vert. Ft.	50.96	Wall Reinf. Vertical	Bar Size	Vert. S.	8 pc @ 73 "	Spacing Ctrs.	12	Eyebolt & Chains For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fx: 239-482-7469 P.O. Box 370 Estero, FL 33928
Less Holes	4.54	Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	13 pc @ 43 "	Spacing Ctrs.	12	
Total Wall	46.42	Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	13 pc @ 55 "	Spacing Ctrs.	12	
Base	11.59	Base Reinf. Spacing	Bar Size	Vert. S.	### pc @ ### "	Spacing Ctrs.	###	
Top	0.00	Base Reinf. Spacing	Bar Size	Vert. S.	### pc @ ### "	Spacing Ctrs.	###	
Center Wall	0.00	Base Reinf. Spacing	Bar Size	Vert. S.	7 pc @ 48 "	Spacing Ctrs.	10	
Total	58.01				6 pc @ 60 "			Job Name: I-75 SEGMENT "B" Contractor: GUYMANN CONSTRUCTION Structure #: B-107

A	48" HOLE	UP 2"	36" RCP INV. ELEV. = 5.30
B			
C	3" HOLE	UP 52"	ELEV. = 9.00
	9" w X 19 1/4" h	SLOT	ELEV. = 9.60
D			



Riser Steel Reinforcement  
None

FINISHED TOP  
YES  NO

Top Reinf. Schedule  
None  
Bar Size #  
Bar Spacing " Ctrs.  
Short Way ### pcs. @ ##"  
Long Way ### pcs. @ ##"

Build Height 78.8 "

Top/Grate Elev.	11.20
Base/Inv. Elev.	5.30
Difference	5.90
Pipe Thk. & Adj.	+ 0.67
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	6.57

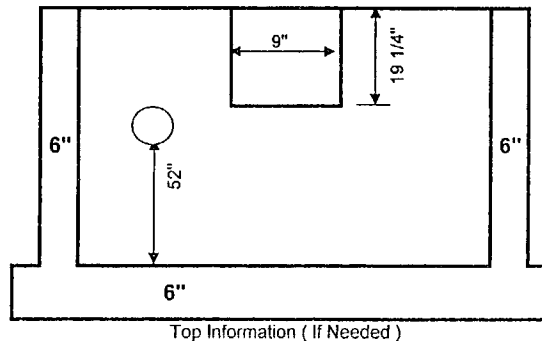
1-75 007 ASG/ADP, a Jotaj Votaco  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

AGREEMENT IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 3/25/08

CS-SD29 PAGE 1-1

USE U.S.F. #6625 GRATE



Top Information (If Needed)

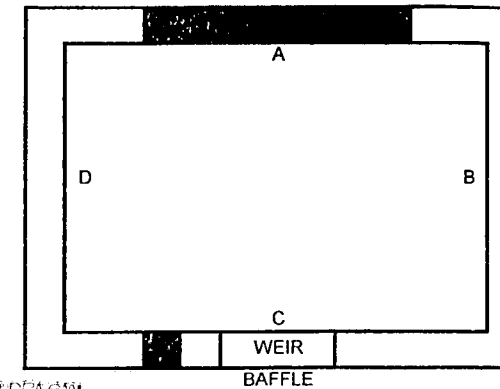
SHOP DRAWING REVIEW  
 GUYMANN CONSTRUCTION CO  
**APPROVED**

Checked by: *[Signature]*

Date: 3/24/08

REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01
Vert. Ft.	52.56		Wall Reinf. Vertical	Bar Size	Vert. S.	8 pc @ 76"	Eyebolt & Chains	
Less Holes	6.83		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	13 pc @ 43"		
Total Wall	45.73		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	13 pc @ 55"	For all your Storm & Sanitary needs.  Ph: 239-482-7468 P.O. Box 370 Estero, FL 33928	
Base	11.59		None	#	Vert. L.	## pc @ ##"		
Top	0.00		Base Reinf. Spacing	Bar Size	Vert. S.	7 pc @ 48"	Job Name: I-75 SEGMENT "B"	
Center Wall	0.00						Contractor: GUYMANN CONSTRUCTION	
Total	57.32	8,598 Lbs.					Structure #: B-206	

A	35" HOLE	UP 2"	24" RCP INV. ELEV. = 5.00
B			
C	3" HOLE	UP 37"	ELEV. = 7.50
	16" w X 19 1/4" h	SLOT	ELEV. = 8.20
D			



Riser Steel Reinforcement  
None

FINISHED TOP  
YES  NO

Top Reinf. Schedule  
None  
Bar Size #  
Bar Spacing " Ctrs.  
Short Way ### pcs. @ ##"  
Long Way ### pcs. @ ##"

Build Height 64.4 "

Top/Grate Elev.	9.80
Base/Inv. Elev.	5.00
Difference	4.80
Pipe Thk. & Adj.	+ 0.57
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	5.37

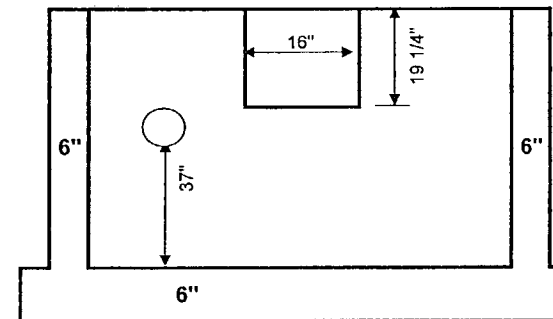
1-75 007 ASG/ADP, a Jotaj Votaco  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

AGREEMENT IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 3/25/08

CS-SD31 PAGE 1-1

USE U.S.F. #6625 GRATE



Top Information (If Needed)

SHOP DRAWING REVIEW  
 GUYMANN CONSTRUCTION CO  
**APPROVED**

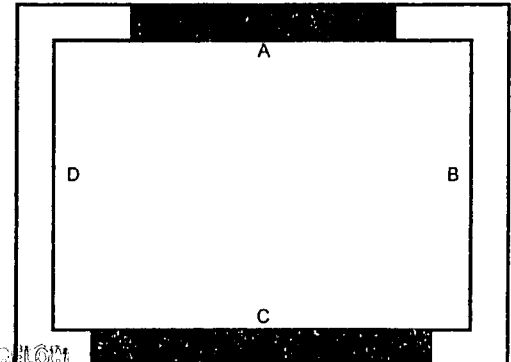
Checked by: *[Signature]*

Date: 3/24/2008

REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01
Vert. Ft.	42.96		Wall Reinf. Vertical	Bar Size	Vert. S.	8 pc @ 61"	Eyebolt & Chains	
Less Holes	4.44		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	11 pc @ 43"		
Total Wall	38.52		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	11 pc @ 55"	For all your Storm & Sanitary needs.  Ph: 239-482-7468 P.O. Box 370 Estero, FL 33928	
Base	11.59		None	#	Vert. L.	## pc @ ##"		
Top	0.00		Base Reinf. Spacing	Bar Size	Vert. S.	7 pc @ 48"	Job Name: I-75 SEGMENT "B"	
Center Wall	0.00						Contractor: GUYMANN CONSTRUCTION	
Total	50.11	7,516 Lbs.					Structure #: B-301	



A	62" HOLE	UP 9"	48" RCP INV. ELEV. = 7.00
B			
C	80" HOLE	UP 2"	60" RCP INV. ELEV. = (-) 1.50
D			



Riser Steel Reinforcement  
None

FINISHED TOP YES  NO

Top Reinf. Schedule  
C6.5

Bar Size # 5  
Bar Spacing 10 " Ctrs.  
Short Way 11 pcs. @ 59 "  
Long Way 7 pcs. @ 95 "

APPROVED  
APPROVED AS NOTED  
CORRECTION

AGREEMENTS FOR GENERAL COMPLIANCE WITH THE  
CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS  
RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL  
QUANTITIES AND DIMENSIONS; SELECTING PROPER  
METHODS AND TECHNIQUES OF CONSTRUCTION; COORDINATING  
THE WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING  
THE WORK IN A SAFE AND SATISFACTORY MANNER.

DATE: 3/25/08

Box Size: 4'-0" X 7'-0" BOX  
Type: J-7 MANHOLE  
Box I.D. L. 7.00 W. 4.00

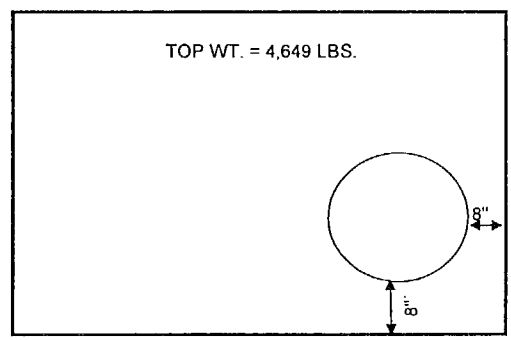
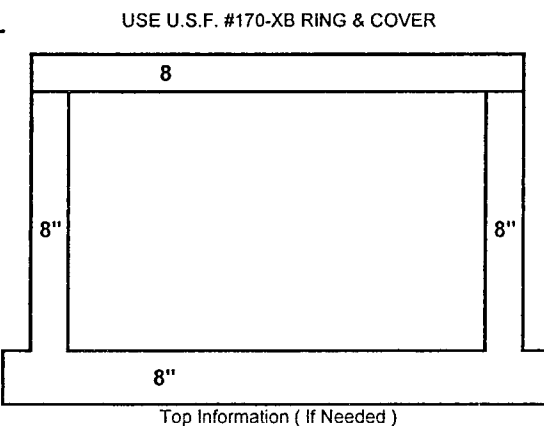
Build Height 184.6 " T & G

95" BASE WT. = 21,078 LBS.  
89 1/2" RISER WT. = 16,160 LBS.

Top/Grate Elev.	14.30
Base/Inv. Elev.	-1.50
Difference	15.80
Pipe Thk. & Adj.	+ 1.00
Less Top Slab	- 0.67
Less R&C or F&G	- 0.75
Net Height	15.38

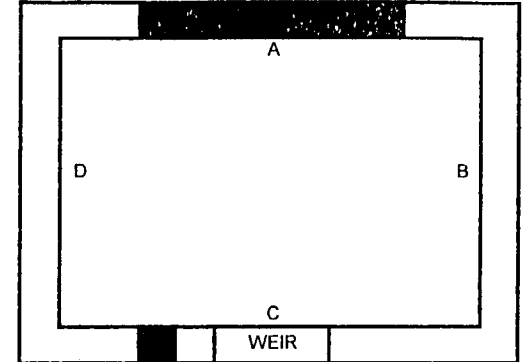
SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO  
APPROVED

Checked by: [Signature]  
Date: 3/24/2008



REFERENCE F.D.O.T. INDEX 200, 201 FOR DETAILS	Structure Reinforcing Schedule	Notes:	FDOT Project #420655-1-52-01
Concrete Per Cubic Ft.	Date Cast or Weight in Lbs.	Notes:	Eyebolt & Chains
Vert. Ft.	252.92		For all your Storm & Sanitary needs.
Less Holes	37.47		Ph: 239-482-7468 Fx: 239-482-7469
Total Wall	215.45		COASTAL PRECAST of Florida P.O.Box 370 Estero, Fl. 33928
Base	32.80		Job Name: I-75 SEGMENT "B"
Top	31.06		Contractor: GUYMANN CONSTRUCTION
Center Wall	0.00		Structure #: B-302
Total	248.25	37,238 Lbs.	

A	35" HOLE	UP 2"	24" RCP INV. ELEV. = 11.00
B			
C	4" HOLE UP 28 1/2"		ELEV. = 12.80
D	20" w X 22 3/4" h	SLOT	ELEV. = 13.40



Riser Steel Reinforcement  
None

FINISHED TOP YES  NO

Top Reinf. Schedule  
None

Bar Size #  
Bar Spacing " Ctrs.  
Short Way ### pcs. @ ### "  
Long Way ### pcs. @ ### "

APPROVED  
APPROVED AS NOTED  
CORRECTION

AGREEMENTS FOR GENERAL COMPLIANCE WITH THE  
CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS  
RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL  
QUANTITIES AND DIMENSIONS; SELECTING PROPER  
METHODS AND TECHNIQUES OF CONSTRUCTION; COORDINATING  
THE WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING  
THE WORK IN A SAFE AND SATISFACTORY MANNER.

DATE: 3/25/08

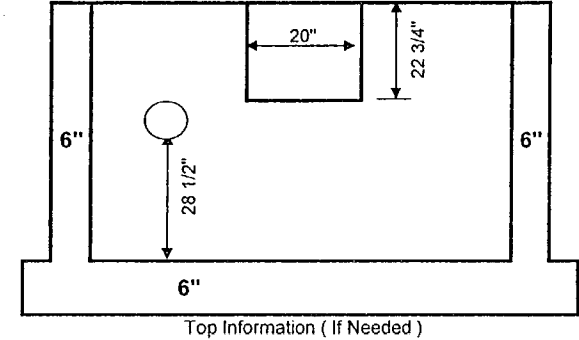
Box Size: FDOT TYPE "D" INLET  
Type: CONTROL STRUCTURE  
Box I.D. L. 4.00 W. 3.00

Build Height 58.4 "

Top/Grate Elev.	15.30
Base/Inv. Elev.	-11.00
Difference	4.30
Pipe Thk. & Adj.	+ 0.57
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	4.87

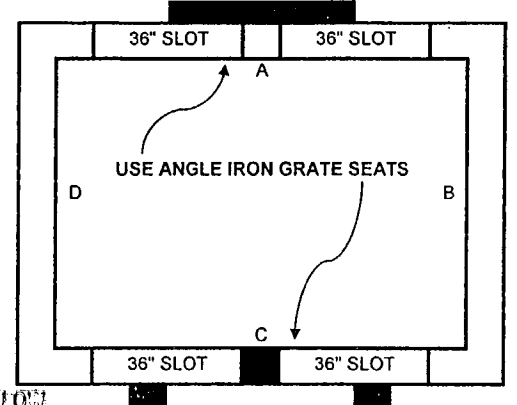
SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO  
APPROVED

Checked by: [Signature]  
Date: 3/24/2008



REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS	Structure Reinforcing Schedule	Notes:	FDOT Project #420655-1-52-01
Concrete Per Cubic Ft.	Date Cast or Weight in Lbs.	Notes:	Eyebolt & Chains
Vert. Ft.	38.96		For all your Storm & Sanitary needs.
Less Holes	4.96		Ph: 239-482-7468 Fx: 239-482-7469
Total Wall	34.00		COASTAL PRECAST of Florida P.O.Box 370 Estero, Fl. 33928
Base	11.59		Job Name: I-75 SEGMENT "B"
Top	0.00		Contractor: GUYMANN CONSTRUCTION
Center Wall	0.00		Structure #: B-404
Total	45.59	6,838 Lbs.	

A	(2) @ 36" SLOTS 35" X 49" HOLE	DOWN 8 1/2" UP 2"	ELEV. = 14.40 24" X 38" ERCP INV. ELEV. = 11.17
B			
C	(2) @ 36" SLOTS (3) @ 3" HOLES	DOWN 8 1/2" UP 42"	ELEV. = 14.40 ELEV. = 14.00
D			



Box Size: 3'-0" X 9'-0" BOX  
Type: TYPE "H" CONTROL STRUCTURE  
Box I.D. L. 9.00 W. 3.00

Riser Steel Reinforcement  
None

FINISHED TOP YES  NO

Top Reinf. Schedule  
None  
Bar Size #  
Bar Spacing " Ctrs.  
Short Way ### pcs. @ ###"  
Long Way ### pcs. @ ###"

Build Height 55.2"

Top/Grate Elev.	15.10
Base/Inv. Elev.	- 11.17
Difference	3.93
Pipe Thk. & Adj.	+ 0.67
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	4.60

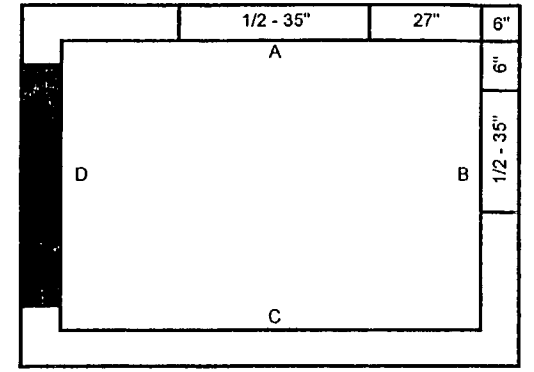
SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO

APPROVED

Checked by: [Signature]  
Date: 3/24/2008

REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01	
Vert. Ft.	59.80		Wall Reinf. Vertical	Bar Size	Vert. S.	16 pc. @ 152"	Spacing Ctrs.	12	Notes: Eyebolt & Chains For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fx: 239-482-7469 P.O. Box 370 Estero, FL 33928
Less Holes	9.27		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	11 pc. @ 43"	Spacing Ctrs.	10	
Total Wall	50.53		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	11 pc. @ 115"	Spacing Ctrs.	10	
Base	22.44		None	#	Vert. S.	## pc. @ ##"	Spacing Ctrs.	##	
Top	0.00		None	#	Vert. S.	## pc. @ ##"	Spacing Ctrs.	##	
Center Wall	0.00		Base Reinf. Spacing	Bar Size	Vert. S.	13 pc. @ 48"	Spacing Ctrs.	10	Job Name: I-75 SEGMENT "B"
Total	72.97	10,945 Lbs.	B10	# 4	Vert. L.	6 pc. @ 120"	Spacing Ctrs.	10	Contractor: GUYMANN CONSTRUCTION
									Structure #: B-501

A	35" X HOLE	UP 2"	24" X 38" ERCP INV. ELEV. = 9.30
B			
C			
D	35" X 49" HOLE	UP 2"	24" X 38" ERCP INV. ELEV. = 9.30



Box Size: 5'-0" X 5'-0" BOX  
Type: J-7 MANHOLE  
Box I.D. L. 5.00 W. 5.00

Riser Steel Reinforcement  
None

FINISHED TOP YES  NO

Top Reinf. Schedule  
C6.5  
Bar Size # 5  
Bar Spacing 10" Ctrs.  
Short Way 8 pcs. @ 67"  
Long Way 8 pcs. @ 67"

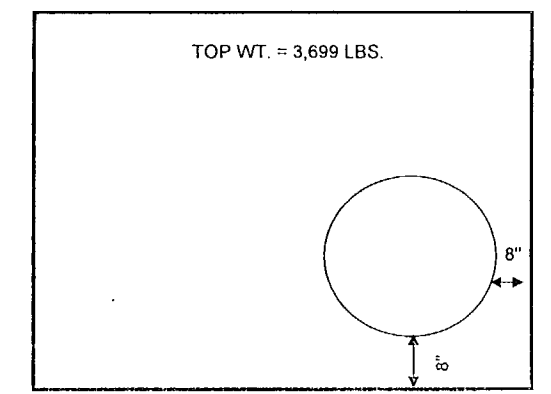
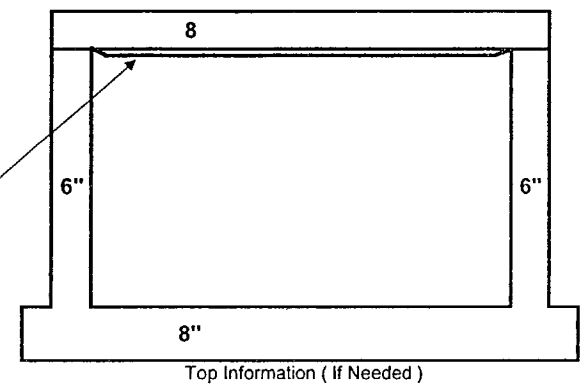
Build Height 41.4"

Top/Grate Elev.	13.50
Base/Inv. Elev.	- 9.30
Difference	4.20
Pipe Thk. & Adj.	+ 0.67
Less Top Slab	- 0.67
Less R&C or F&G	- 0.75
Net Height	3.45

SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO  
APPROVED

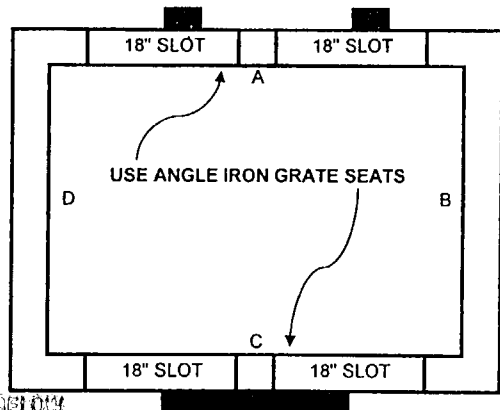
Checked by: [Signature]  
Date: 3/24/2008

8" DROP TOP w/ 24" HOLE



REFERENCE F.D.O.T. INDEX 200, 201 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01	
Vert. Ft.	37.95		Wall Reinf. Vertical	Bar Size	Vert. S.	12 pc. @ 38"	Spacing Ctrs.	12	Notes: Eyebolt & Chains For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fx: 239-482-7469 P.O. Box 370 Estero, FL 33928
Less Holes	13.11		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	8 pc. @ 67"	Spacing Ctrs.	10	
Total Wall	24.84		B5.5	# 4	Vert. L.	8 pc. @ 67"	Spacing Ctrs.	10	
Base	26.80		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	## pc. @ ##"	Spacing Ctrs.	##	
Top	24.68		None	#	Vert. L.	## pc. @ ##"	Spacing Ctrs.	##	
Center Wall	0.00		Base Reinf. Spacing	Bar Size	Vert. S.	8 pc. @ 72"	Spacing Ctrs.	10	Job Name: I-75 SEGMENT "B"
Total	51.64	7,746 Lbs.	C6.5	# 5	Vert. L.	8 pc. @ 72"	Spacing Ctrs.	10	Contractor: GUYMANN CONSTRUCTION
									Structure #: B-602

A	(2) @ 18" SLOTS (2) @ 3" HOLES	DOWN 12" UP 44"	ELEV. = 15.00 ELEV. = 14.30
B			
C	(2) @ 18" SLOTS 35" X 49" HOLE	DOWN 12" UP 2"	ELEV. = 15.00 24" X 38" ERCP INV. ELEV. = 11.00
D			



Riser Steel Reinforcement  
None

FINISHED TOP YES  NO

Top Reinf. Schedule  
None

Bar Size #  
Bar Spacing " Ctrs.  
Short Way ### pcs. @ ### "  
Long Way ### pcs. @ ### "

APPROVED  
(APPROVED AS NOTED) (REJECTED)  
(RETURNED FOR CORRECTION)

APPROVED FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL DIMENSIONS AND DIMENSIONS ON ALL REINFORCEMENT. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OF ANY OTHER WORK. ANY CHANGES TO THIS DRAWING MUST BE APPROVED BY THE ENGINEER OF RECORD.

DATE: 3/25/08

Box Size: 3'-0" X 9'-0" BOX  
Type: TYPE "H" CONTROL STRUCTURE  
Box I.D. L. 9.00 W. 3.00

USE U.S.F. #6309 GRATE

Build Height 68.0 "

Top/Grate Elev.	16.00
Base/Inv. Elev.	- 11.00
Difference	5.00
Pipe Thk. & Adj.	+ 0.67
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	5.67

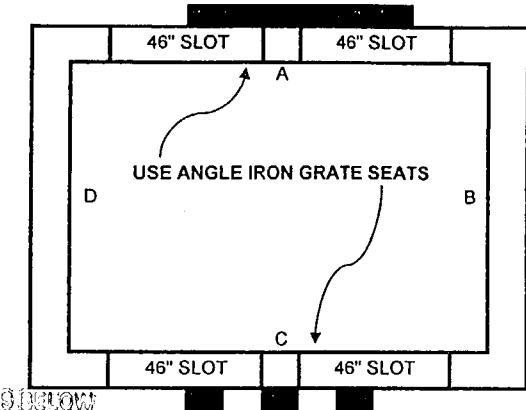
SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO

**APPROVED**

Checked by: [Signature]  
Date: 3/24/2008

REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01
Vert. Ft.	Concrete Per Cubic Ft.	Date Cast or Weight in Lbs.	Wall Reinf. Vertical	Bar Size	Vert. S.	Spacing Ctrs.	Eyebolt & Chains  For all your Storm & Sanitary needs.  P.O. Box 370 Estero, FL 33928  Job Name: I-75 SEGMENT "B" Contractor: GUYMANN CONSTRUCTION Structure #: B-603	
Less Holes	7.99		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	Spacing Ctrs.		
Total Wall	65.72		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	Spacing Ctrs.		
Base	22.44		Base Reinf. Spacing	Bar Size	Vert. S.	Spacing Ctrs.		
Top	0.00							
Center Wall	0.00							
Total	88.16	13,224 Lbs.						

A	(2) @ 46" SLOTS 35" X 49" HOLE	DOWN 9 1/2" UP 2"	ELEV. = 15.90 24" X 38" ERCP INV. ELEV. = 13.40
B			
C	(2) @ 46" SLOTS (3) @ 3" HOLES	DOWN 9 1/2" UP 44"	ELEV. = 15.90 ELEV. = 15.50
D			



Riser Steel Reinforcement  
None

FINISHED TOP YES  NO

Top Reinf. Schedule  
None

Bar Size #  
Bar Spacing " Ctrs.  
Short Way ### pcs. @ ### "  
Long Way ### pcs. @ ### "

APPROVED  
(APPROVED AS NOTED) (REJECTED)  
(RETURNED FOR CORRECTION)

APPROVED FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL DIMENSIONS AND DIMENSIONS ON ALL REINFORCEMENT. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OF ANY OTHER WORK. ANY CHANGES TO THIS DRAWING MUST BE APPROVED BY THE ENGINEER OF RECORD.

DATE: 3/25/08

Box Size: 3'-0" X 9'-0" BOX  
Type: TYPE "H" CONTROL STRUCTURE  
Box I.D. L. 9.00 W. 3.00

USE U.S.F. #6309 GRATE

Build Height 47.6 "

Top/Grate Elev.	16.70
Base/Inv. Elev.	- 13.40
Difference	3.30
Pipe Thk. & Adj.	+ 0.67
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	3.97

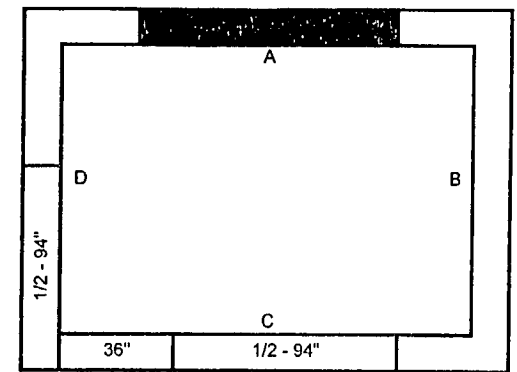
SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO

**APPROVED**

Checked by: [Signature]  
Date: 3/24/2008

REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01
Vert. Ft.	Concrete Per Cubic Ft.	Date Cast or Weight in Lbs.	Wall Reinf. Vertical	Bar Size	Vert. S.	Spacing Ctrs.	Eyebolt & Chains  For all your Storm & Sanitary needs.  P.O. Box 370 Estero, FL 33928  Job Name: I-75 SEGMENT "B" Contractor: GUYMANN CONSTRUCTION Structure #: B-701	
Less Holes	11.12		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	Spacing Ctrs.		
Total Wall	40.49		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	Spacing Ctrs.		
Base	22.44		Base Reinf. Spacing	Bar Size	Vert. S.	Spacing Ctrs.		
Top	0.00							
Center Wall	0.00							
Total	62.93	9,439 Lbs.						

A	94" HOLE	UP 2"	72" RCP INV. ELEV. = 5.00
B			
C	94" X HOLE	UP 2"	72" RCP INV. ELEV. = 5.00
D			



Riser Steel Reinforcement  
None

FINISHED TOP  
YES   
NO

Top Reinf. Schedule  
C6.5

Bar Size # 5  
Bar Spacing 10 " Ctrs.  
Short Way 13 pcs. @ 59 "  
Long Way 7 pcs. @ 119 "

APPROVED  
(APPROVED AS NOTED) (REJECTED)  
(RETURNED FOR CORRECTION)

AGREEMENT TO FOR GENERAL COMPLIANCE WITH THE  
CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS  
RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL  
QUANTITIES AND DIMENSIONS. SELECTIVE FABRICATION  
IS REQUIRED TO CORRECT ALL DEFECTS OCCURRING  
DURING THE COURSE OF ALL TRADES AND TO PERFORM  
ALL WORK IN A SAFE AND SATISFACTORY MANNER.

DATE: 3/23/08

Box Size: 4'-0" X 9'-0" BOX

Type: MANHOLE TYPE J-8  
Box I.D. L. 9.00 W. 4.00  
USE U.S.F. #170-XB RING & COVER

USE U.S.F. #170-XB RING & COVER

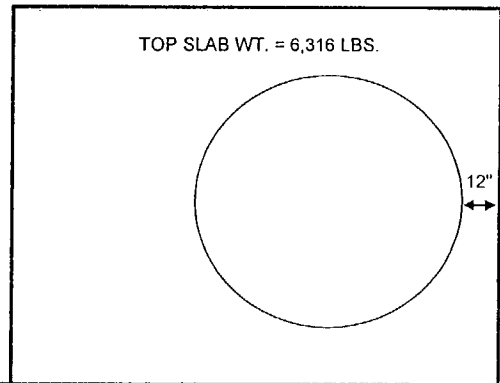
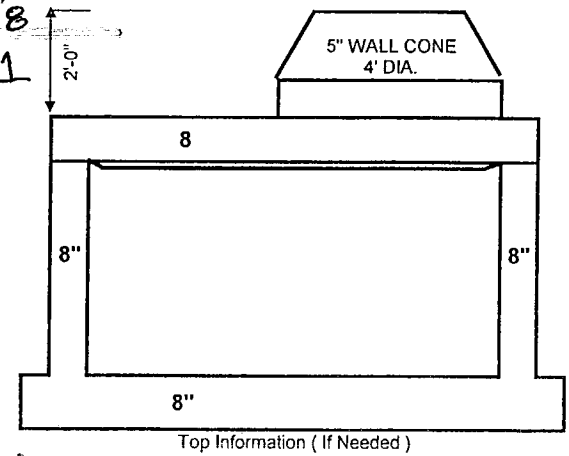
Build Height 116.0 "

Top/Grate Elev.	17.00
Base/Inv. Elev.	- 5.00
Difference	12.00
Pipe Thk. & Adj.	+ 1.09
Less Top Slab	- 2.67
Less R&C or F&G	- 0.75
Net Height	9.67

SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO  
**APPROVED**

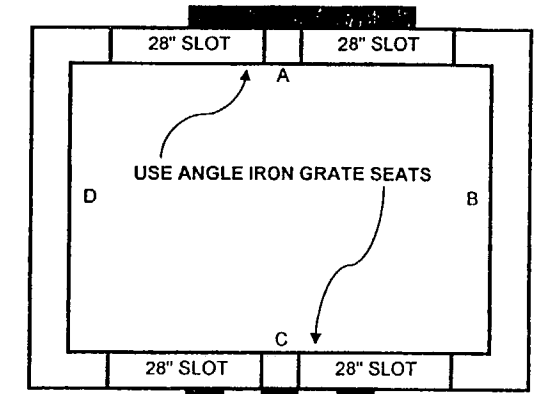
Checked by: [Signature]  
Date: 3/24/2008

8" TOP SLAB w/ 48" HOLE  
FOR 2'-0" CONE- 5" WALL



REFERENCE F.D.O.T. INDEX 200, 201 & C-478 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01	
Vert. Ft.	184.80		Wall Reinf. Vertical	Bar Size	Vert. S.	Spacing Ctrs.	Notes: Eyebolt & Chains		
Less Holes	80.42		C6.5	# 5	50 pc. @ 113 "	10	For all your Storm & Sanitary needs.		
Total Wall	104.38		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	Spacing Ctrs.	Ph: 239-482-7468 Fx: 239-482-7469		
Base	40.37		D7	# 5	33 pc. @ 115 "	7	COASTAL PRECAST of Florida P.O.Box 370 Estero, Fl. 33928		
Top	42.11		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	Spacing Ctrs.	Job Name: I-75 SEGMENT "B"		
Center Wall	0.00		D7	# 5	33 pc. @ 120 "	7	Contractor: GUYMANN CONSTRUCTION		
Total	144.75	21,713 Lbs.	Base Reinf. Spacing	Bar Size	Vert. S.	Spacing Ctrs.	Structure #: B-705		
			C6.5	# 5	13 pc. @ 64 "				
					7 pc. @ 124 "	10			

A	(2) @ 28" SLOTS	DOWN 13 1/4"	ELEV. = 16.70
B	35" X 49" HOLE	UP 2"	24" X 38" ERCP INV. ELEV. = 13.50
C	(2) @ 28" SLOTS	DOWN 13 1/4"	ELEV. = 16.70
D	(3) @ 4" HOLES	UP 44"	ELEV. = 16.20



Riser Steel Reinforcement  
None

FINISHED TOP  
YES   
NO

Top Reinf. Schedule  
None

Bar Size #  
Bar Spacing " Ctrs.  
Short Way ### pcs. @ ### "  
Long Way ### pcs. @ ### "

APPROVED  
(APPROVED AS NOTED) (REJECTED)  
(RETURNED FOR CORRECTION)

AGREEMENT TO FOR GENERAL COMPLIANCE WITH THE  
CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS  
RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL  
QUANTITIES AND DIMENSIONS. SELECTIVE FABRICATION  
IS REQUIRED TO CORRECT ALL DEFECTS OCCURRING  
DURING THE COURSE OF ALL TRADES AND TO PERFORM  
ALL WORK IN A SAFE AND SATISFACTORY MANNER.

DATE: 3/25/08

Box Size: 3'-0" X 9'-0" BOX

Type: TYPE "H" CONTROL STRUCTURE  
Box I.D. L. 9.00 W. 3.00

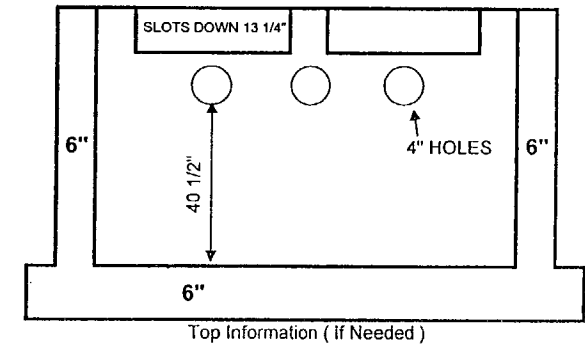
USE U.S.F. #6309 GRATE

Build Height 59.6 "

Top/Grate Elev.	17.80
Base/Inv. Elev.	- 13.50
Difference	4.30
Pipe Thk. & Adj.	+ 0.67
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	4.97

SHOP DRAWING REVIEW  
GUYMANN CONSTRUCTION CO  
**APPROVED**

Checked by: [Signature]  
Date: 3/24/2008



REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01	
Vert. Ft.	64.61		Wall Reinf. Vertical	Bar Size	Vert. S.	Spacing Ctrs.	Notes: Eyebolt & Chains		
Less Holes	10.13		A12	# 4	40 pc. @ 57 "	12	For all your Storm & Sanitary needs.		
Total Wall	54.48		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	Spacing Ctrs.	Ph: 239-482-7468 Fx: 239-482-7469		
Base	22.44		C3.5	# 5	12 pc. @ 115 "	10	COASTAL PRECAST of Florida P.O.Box 370 Estero, Fl. 33928		
Top	0.00		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	Spacing Ctrs.	Job Name: I-75 SEGMENT "B"		
Center Wall	0.00		None	#	### pc. @ ### "		Contractor: GUYMANN CONSTRUCTION		
Total	76.92	11,538 Lbs.	Base Reinf. Spacing	Bar Size	Vert. S.	Spacing Ctrs.	Structure #: B-801		
			B10	# 4	6 pc. @ 120 "	10			

A	35" HOLE UP 4 3/4"	24" RCP INV. ELEV. = 14.80
B	48" WIDE SLOT DOWN 15 1/2"	ELEV. = 17.70
C	6" PVC UP 10 1/2"	3" BLEEDER ELEV. = 15.00
D		

Riser Steel Reinforcement: None

FINISHED TOP: YES  NO

Top Reinf. Schedule: None

Bar Size #, Bar Spacing, Short Way, Long Way

Build Height: 60.0"

Top/Grate Elev. 19.00, Base/Inv. Elev. 14.00, Difference 5.00, Pipe Thk. & Adj. + 0.00, Less Top Slab - 0.00, Less R&C or F&G - 0.00, Net Height 5.00

1-75 DDP ACC/APL a Joint Venture

APPROVED  AMEND-SEE CHANGES BELOW

APPROVED AS NOTED  REJECTED

RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

DATE: 3/14/08

CS-SD 20 PAGE 1-1

SHOP DRAWING REVIEW

GUYMANN CONSTRUCTION CO

APPROVED

Checked by: *[Signature]*

Date: 3/10/08

A	73" X HOLE UP 2"	54" RCP INV. ELEV. = 4.30
B		
C	73" HOLE UP 2"	54" RCP INV. ELEV. = 4.30
D		

Riser Steel Reinforcement: None

FINISHED TOP: YES  NO

Top Reinf. Schedule: C6.5

Bar Size # 5, Bar Spacing 10" Ctrs., Short Way 8 pcs. @ 55", Long Way 7 pcs. @ 79"

Build Height: 96.4"

Top/Grate Elev. 19.20, Base/Inv. Elev. 4.30, Difference 14.90, Pipe Thk. & Adj. + 0.96, Less Top Slab - 6.67, Less R&C or F&G - 1.00, Net Height 8.03

1-75 DDP ACC/APL a Joint Venture

APPROVED  AMEND-SEE CHANGES BELOW

APPROVED AS NOTED  REJECTED

RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

DATE: 3/14/08

CS-SD 21 PAGE 1-1

SHOP DRAWING REVIEW

GUYMANN CONSTRUCTION CO

APPROVED

Checked by: *[Signature]*

Date: 3/10/2008

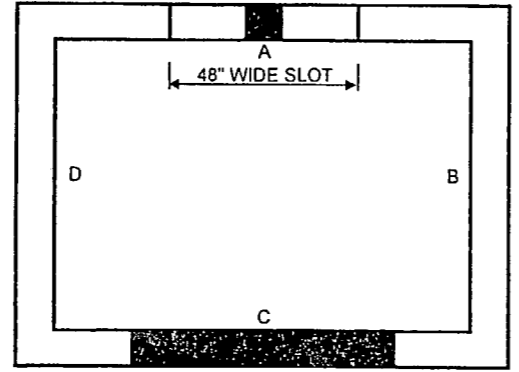
8" TOP SLAB w/ 3'-0" RISER-5" WALL

3'-0" CONE-5" WALL

REFERENCE F.D.O.T. INDEX 200, 201 FOR DETAILS	Structure Reinforcing Schedule	Notes:	FDOT Project #420655-1-52-01
Concrete Per Cubic Ft.	Date Cast or Weight in Lbs.	Notes:	Eyebolt & Chains
Vert. Ft.	52.50		For all your Storm & Sanitary needs.
Less Holes	5.95		COASTAL PRECAST of Florida P.O. Box 370 Estero, FL 33928
Total Wall	46.55		Job Name: I-75 SEGMENT "C"
Base	17.01		Contractor: GUYMANN CONSTRUCTION
Top	0.00		Structure #: C2-004
Center Wall	0.00		
Total	63.56	9,534 Lbs.	

REFERENCE F.D.O.T. INDEX 200, 201 & C-478 FOR DETAILS	Structure Reinforcing Schedule	Notes:	FDOT Project #420655-1-52-01
Concrete Per Cubic Ft.	Date Cast or Weight in Lbs.	Notes:	Eyebolt & Chains
Vert. Ft.	88.33		For all your Storm & Sanitary needs.
Less Holes	36.76		COASTAL PRECAST of Florida P.O. Box 370 Estero, FL 33928
Total Wall	51.57		Job Name: I-75 SEGMENT "C"
Base	28.13		Contractor: GUYMANN CONSTRUCTION
Top	47.50		Structure #: C12-116
Center Wall	0.00		
Total	77.70	11,655 Lbs.	

A	48" WIDE SLOT 8" PVC DOWN 20 1/2" UP 56"	ELEV. = 17.30 6" BLEEDER ELEV. = 16.00
B		
C	48" X 60" HOLE UP 2"	36" RCP INV. ELEV. = 12.00
D		



Box Size: FDOT TYPE "H" INLET  
 Type: CONTROL STRUCTURE  
 Box I.D. L. 6.50 W. 3.00

Riser Steel Reinforcement  
None

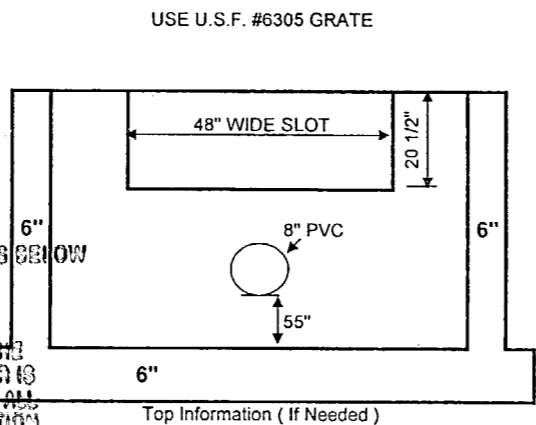
FINISHED TOP YES  NO

Top Reinf. Schedule  
None

Bar Size #  
Bar Spacing " Ctrs.  
Short Way ### pcs. @ ##"  
Long Way ### pcs. @ ##"

Build Height 92.0 "

Top/Grate Elev.	19.00
Base/Inv. Elev.	- 12.00
Difference	7.00
Pipe Thk. & Adj.	+ 0.67
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	7.67



1-75 RCP AGCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

AGREEMENT IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION METHODS AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 3/14/08

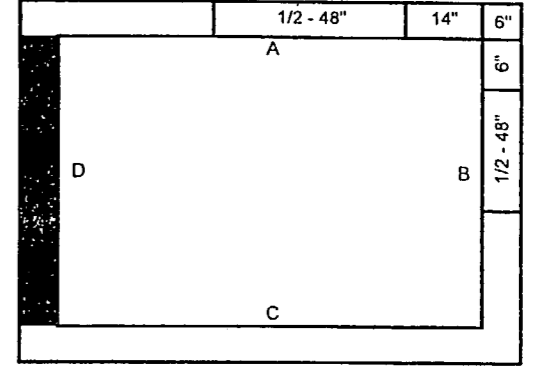
SHOP DRAWING REVIEW  
**APPROVED**  
 Checked by: *[Signature]*  
 Date: 3/10/08

CS-SD22 PAGE 1-1

INDEX 232 & 240 *[Signature]* 3/14/08

REFERENCE F.D.O.T. INDEX 200, 201 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01	
Vert. Ft.	80.54		Wall Reinf. Vertical	Bar Size	Vert. S.	8" pc. @ 89"	Spacing Ctrs.	12"	Eyebolt & Chains  For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fx: 239-482-7469 P.O. Box 370 Estero, FL 33928
Less Holes	9.65		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	18 pc. @ 43"	Spacing Ctrs.	10"	
Total Wall	70.89		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	18 pc. @ 85"	Spacing Ctrs.	10"	
Base	17.01		Base Reinf. Spacing	Bar Size	Vert. S.	## pc. @ ##"	Spacing Ctrs.	##"	
Top	0.00				Vert. L.	## pc. @ ##"	Spacing Ctrs.	##"	
Center Wall	0.00				Vert. L.	10 pc. @ 48"	Spacing Ctrs.	10"	Job Name: I-75 SEGMENT "C"
Total	87.90	13,185 Lbs.			Vert. L.	6 pc. @ 90"	Spacing Ctrs.	10"	Contractor: GUYMANN CONSTRUCTION
									Structure #: C12-118

A	48" X HOLE UP 2"	36" RCP INV. ELEV. = 11.00
B		
C		
D	48" HOLE UP 2"	36" RCP INV. ELEV. = 11.00



Riser Steel Reinforcement  
None

FINISHED TOP YES  NO

Top Reinf. Schedule  
B5.5

Bar Size # 4  
Bar Spacing 10 " Ctrs.  
Short Way 7 pcs. @ 55"  
Long Way 7 pcs. @ 55"

Build Height 66.0 "

Top/Grate Elev.	17.50
Base/Inv. Elev.	- 11.00
Difference	6.50
Pipe Thk. & Adj.	+ 0.67
Less Top Slab	- 0.67
Less R&C or F&G	- 1.00
Net Height	5.50

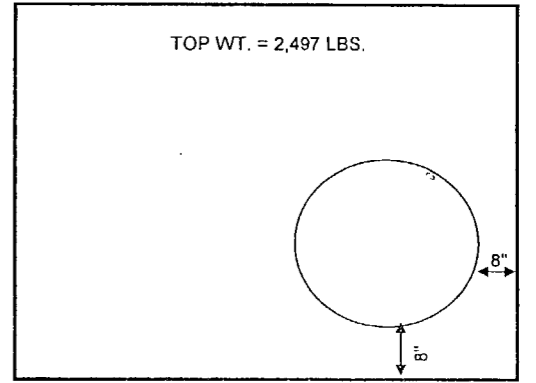
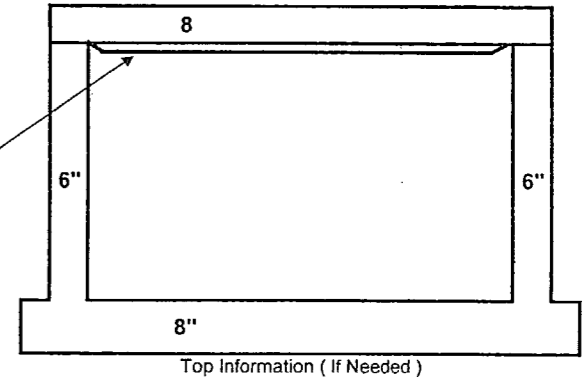
1-75 RCP AGCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

AGREEMENT IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION METHODS AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 3/14/08

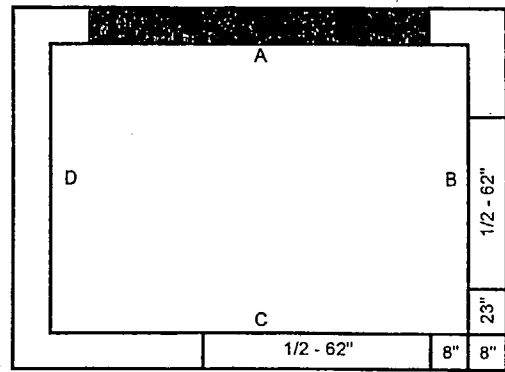
SHOP DRAWING REVIEW  
 GUYMANN CONSTRUCTION CO.  
**APPROVED**  
 Checked by: *[Signature]*  
 Date: 3/10/08

Box Size: 4'-0" X 4'-0" BOX  
 Type: J-7 MANHOLE  
 Box I.D. L. 4.00 W. 4.00



REFERENCE F.D.O.T. INDEX 200, 201 & C-478 FOR DETAILS			Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01	
Vert. Ft.	49.50		Wall Reinf. Vertical	Bar Size	Vert. S.	10 pc. @ 63"	Spacing Ctrs.	12"	Eyebolt & Chains  For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fx: 239-482-7469 P.O. Box 370 Estero, FL 33928
Less Holes	16.80		Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	13 pc. @ 55"	Spacing Ctrs.	10"	
Total Wall	32.70		Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	13 pc. @ 55"	Spacing Ctrs.	10"	
Base	19.01		Base Reinf. Spacing	Bar Size	Vert. S.	## pc. @ ##"	Spacing Ctrs.	##"	
Top	16.65				Vert. L.	## pc. @ ##"	Spacing Ctrs.	##"	
Center Wall	0.00				Vert. L.	7 pc. @ 60"	Spacing Ctrs.	10"	Job Name: I-75 SEGMENT "C"
Total	51.71	7,757 Lbs.			Vert. L.	7 pc. @ 60"	Spacing Ctrs.	10"	Contractor: GUYMANN CONSTRUCTION
									Structure #: C12-119

A	55" X 80" HOLE	UP 2"	38" X 60" ERCP INV. ELEV. = 13.40
B	62" X HOLE	UP 3 1/2"	48" RCP INV. ELEV. = 13.40
C			
D			



Riser Steel Reinforcement  
None

FINISHED TOP YES  NO

Top Reinf. Schedule  
B10  
Bar Size # 4  
Bar Spacing 10" Ctrs.  
Short Way 11 pcs. @ 71"  
Long Way 9 pcs. @ 95"

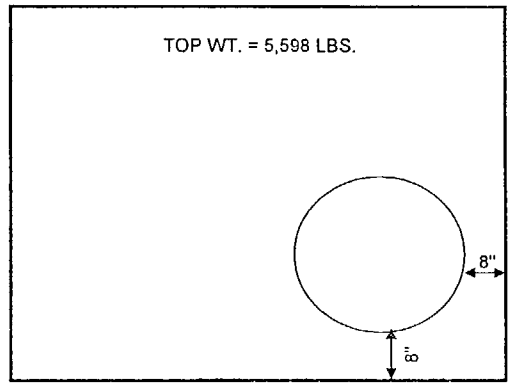
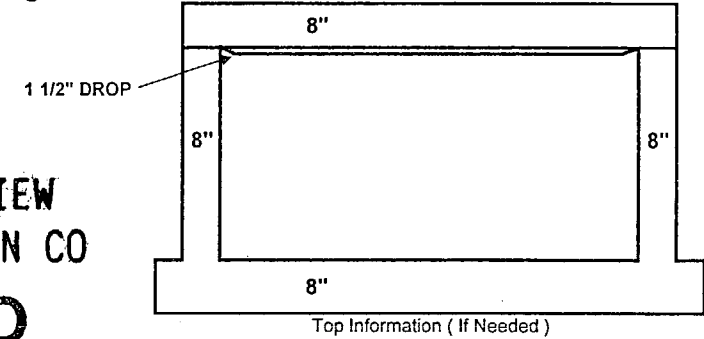
**APPROVED**  
 I-75 SEG. C5-224, 0 JOHN VONSTRO  
 AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 Box Size: 5'-0" X 7'-0" BOX  
 Type: J-7 MANHOLE  
 Box I.D. L. 7.00 W. 5.00  
 USE U.S.F. #170-XB RING & COVER  
 DATE: 3/14/08

Build Height 61.8" CS-SD24 PAGE 1-1

Top/Gate Elev.	19.10
Base/Inv. Elev.	- 13.40
Difference	5.70
Pipe Thk. & Adj.	+ 0.87
Less Top Slab	- 0.67
Less R&C or F&G	- 0.75
Net Height	5.15

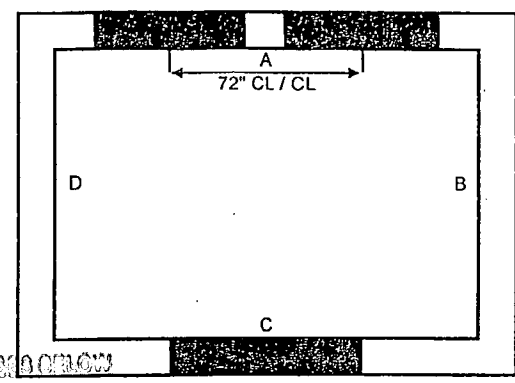
**SHOP DRAWING REVIEW**  
**GUYMANN CONSTRUCTION CO**  
**APPROVED**

Checked by: [Signature]  
 Date: 3/10/08



REFERENCE F.D.O.T. INDEX 200, 201 & C-478 FOR DETAILS		Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01	
Vert. Ft.	91.56	Wall Reinf. Vertical	Bar Size	Vert. S.	13 pc. @ 59"	Spacing Ctrs.	12	Eyebolt & Chains For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fx: 239-482-7469 P.O. Box 370 Estero, FL 33928 Job Name: I-75 SEGMENT "C" Contractor: GUYMANN CONSTRUCTION Structure #: C5-229
Less Holes	42.67	Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	12 pc. @ 67"	Spacing Ctrs.	10	
Total Wall	48.89	B10	# 4	Vert. L.	12 pc. @ 91"			
Base	38.59	Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	12 pc. @ 72"	Spacing Ctrs.	10	
Top	37.32	B10	# 4	Vert. L.	12 pc. @ 96"			
Center Wall	0.00	Base Reinf. Spacing	Bar Size	Vert. S.	11 pc. @ 76"	Spacing Ctrs.	10	
Total	87.47	B10	# 4	Vert. L.	9 pc. @ 100"			

A	(2) @ 41" X 57" HOLES	UP 4 1/2"	29" X 45" ERCP INV. ELEV. = 13.30
B			
C	55" X 80" HOLE	UP 2"	38" X 60" ERCP INV. ELEV. = 13.30
D			



Riser Steel Reinforcement  
None

FINISHED TOP YES  NO

Top Reinf. Schedule  
B10  
Bar Size # 4  
Bar Spacing 10" Ctrs.  
Short Way 16 pcs. @ 59"  
Long Way 7 pcs. @ 143"

**APPROVED**  
 I-75 SEG. C5-224, 0 JOHN VONSTRO  
 AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 Box Size: 4'-0" X 11'-0" BOX  
 Type: J-7 MANHOLE  
 Box I.D. L. 11.00 W. 4.00  
 USE U.S.F. #170-XB RING & COVER  
 DATE: 3/14/08

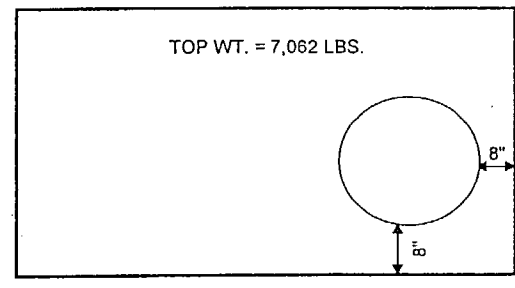
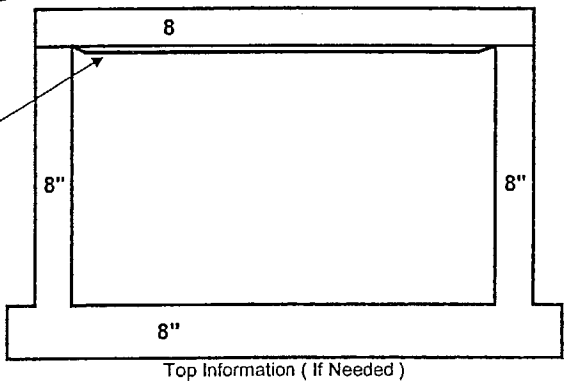
Build Height 56.9" 52.2" CS-SD 25 PAGE 1-1

Plan Revised 2/6/08

Top/Gate Elev.	18.84 18.55
Base/Inv. Elev.	- 13.30
Difference	5.54 5.25
Pipe Thk. & Adj.	+ 0.87
Less Top Slab	- 0.67
Less R&C or F&G	- 1.00
Net Height	4.74 4.43

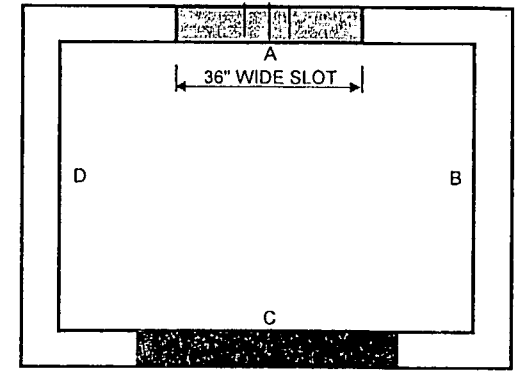
**SHOP DRAWING REVIEW**  
**GUYMANN CONSTRUCTION CO**  
**APPROVED**

Checked by: [Signature]  
 Date: 3/10/08



REFERENCE F.D.O.T. INDEX 200, 201 FOR DETAILS		Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01	
Vert. Ft.	96.48	Wall Reinf. Vertical	Bar Size	Vert. S.	13 pc. @ 50"	Spacing Ctrs.	10	Eyebolt & Chains For all your Storm & Sanitary needs.  Ph: 239-482-7468 Fx: 239-482-7469 P.O. Box 370 Estero, FL 33928 Job Name: I-75 SEGMENT "C" Contractor: GUYMANN CONSTRUCTION Structure #: C5-229A
Less Holes	35.51	Hor. Wall Reinf. Spacing Inner	Bar Size	Hor. S.	15 pc. @ 55"	Spacing Ctrs.	7	
Total Wall	60.97	D7	# 5	Hor. L.	15 pc. @ 139"			
Base	47.93	Hor. Wall Reinf. Spacing Outer	Bar Size	Hor. S.	15 pc. @ 160"	Spacing Ctrs.	7	
Top	47.08	D7	# 5	Hor. L.	15 pc. @ 144"			
Center Wall	0.00	Base Reinf. Spacing	Bar Size	Vert. S.	16 pc. @ 64"	Spacing Ctrs.	10	
Total	108.90	B10	# 4	Vert. L.	7 pc. @ 148"			

A	36" WIDE SLOT	SEE BELOW DOWN 21 1/2"	ELEV. = 17.20
B			
C	62" X 66" HOLE	UP 2"	48" RCP INV. ELEV. = 13.50
D			



Box Size: **FDOT TYPE "H" INLET** 6 Wall  
 Type: CONTROL STRUCTURE 6 Base  
 Box I.D. L. 6.50 W. 3.00

Riser Steel Reinforcement  
None

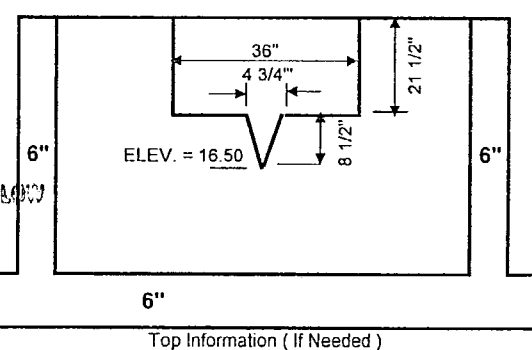
FINISHED TOP YES  NO

Top Reinf. Schedule  
None

Bar Size #  
Bar Spacing " Ctrs.  
Short Way ### pcs. @ ### "  
Long Way ### pcs. @ ### "

Build Height 75.0 "

Top/Grate Elev.	19.00
Base/Inv. Elev.	13.50
Difference	5.50
Pipe Thk. & Adj.	+ 0.75
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	6.25



I-75 COP ASSIGNMENT, O John Ventura  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR COORDINATING AND CORRECTING ALL QUANTITIES AND DIMENSIONS, SELECTION OF FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

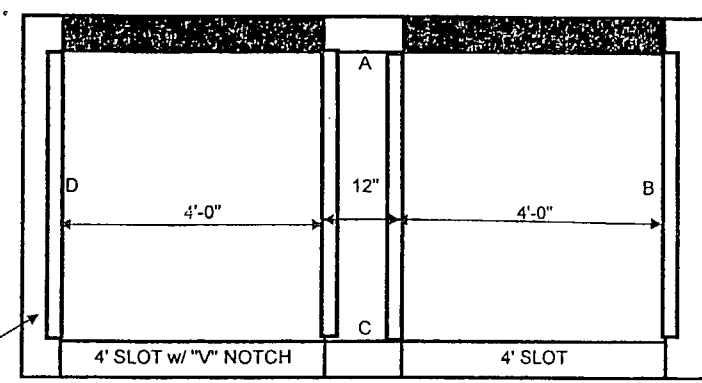
CV: *[Signature]* DATE: 3/14/08

SHOP DRAWING REVIEW  
**GUYMANN CONSTRUCTION CO**  
**APPROVED**  
 Checked by: *[Signature]*  
 Date: 3/10/08

INDEX 240 *[Signature]* 3/14/08

REFERENCE F.D.O.T. INDEX 200, 201 & 232 FOR DETAILS				Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01	
Vert. Ft.	Concrete	Per Cubic Ft.	Date Cast or Weight in Lbs.	Wall Reinf. Vertical	Bar Size	Vert. S.	Spacing Ctrs.	Notes:	Eyebolt & Chains	
				A12	# 4	15 pc. @ 72"	12		For all your Storm & Sanitary needs.	
Less Holes				Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	Spacing Ctrs.		Ph: 239-482-7468 Fx: 239-482-7469	
				C6.5	# 5	15 pc. @ 85"	10		P.O.Box 370 Estero, FL 33928	
Total Wall				Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	Spacing Ctrs.		Job Name: I-75 SEGMENT "C"	
				None	#	## pc. @ ##"	##		Contractor: GUYMANN CONSTRUCTION	
Base				Base Reinf. Spacing	Bar Size	Vert. S.	Spacing Ctrs.		Structure #: C5-231	
				None	#	## pc. @ ##"	##			
Top										
Center Wall										
Total	68.16		10,224 Lbs.							

A	(2) @ 41" HOLES	UP 2"	30" RCP INV. = 18.00
B			
C	(2) @ 48" SLOTS	SEE BELOW	ELEV. = 19.90
D			



Box Size: **DBL "D" INLET** 6 Wall  
 Type: CONTROL STRUCTURE 8 Base  
 Box I.D. L. 9.00 W. 3.00

Riser Steel Reinforcement  
None

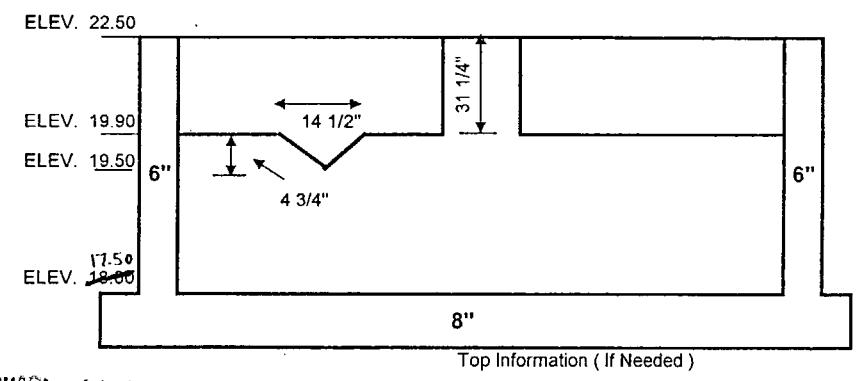
FINISHED TOP YES  NO

Top Reinf. Schedule  
None

Bar Size #  
Bar Spacing " Ctrs.  
Short Way ### pcs. @ ### "  
Long Way ### pcs. @ ### "

Build Height 61.4 "

Top/Grate Elev.	22.50
Base/Inv. Elev.	18.00
Difference	4.50
Pipe Thk. & Adj.	+ 0.62
Less Top Slab	- 0.00
Less R&C or F&G	- 0.00
Net Height	5.12



I-75 COP ASSIGNMENT, O John Ventura  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR COORDINATING AND CORRECTING ALL QUANTITIES AND DIMENSIONS, SELECTION OF FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

CV: *[Signature]* DATE: 3/14/08

SHOP DRAWING REVIEW  
**GUYMANN CONSTRUCTION CO**  
**APPROVED**  
 Checked by: *[Signature]*  
 Date: 3/10/08

INDEX 232  
 INDEX 260 & 240 *[Signature]* 3/14/08

REFERENCE F.D.O.T. INDEX 200, 201 FOR DETAILS				Structure Reinforcing Schedule				Notes:	FDOT Project #420655-1-52-01	
Vert. Ft.	Concrete	Per Cubic Ft.	Date Cast or Weight in Lbs.	Wall Reinf. Vertical	Bar Size	Vert. S.	Spacing Ctrs.	Notes:	Eyebolt & Chains	
				A12	# 4	15 pc. @ 72"	12		For all your Storm & Sanitary needs.	
Less Holes				Hor. Wall Reinf. Spacing Inner	Bar Size	Vert. S.	Spacing Ctrs.		Ph: 239-482-7468 Fx: 239-482-7469	
				A12	# 4	10 pc. @ 115"	12		P.O.Box 370 Estero, FL 33928	
Total Wall				Hor. Wall Reinf. Spacing Outer	Bar Size	Vert. S.	Spacing Ctrs.		Job Name: I-75 SEGMENT "C"	
				None	#	## pc. @ ##"	##		Contractor: GUYMANN CONSTRUCTION	
Base				Base Reinf. Spacing	Bar Size	Vert. S.	Spacing Ctrs.		Structure #: C7-317	
				None	#	## pc. @ ##"	##			
Top										
Center Wall										
Total	92.28		13,842 Lbs.							



**Project: SR 93 (I-75) Widening (D-B-F from N. Golden Gate to S. Colonial)**

**Financial Project Number: 420655-1-52-01**

**Federal Aid Project Numbers: S113 001 R, S113 002 R, SFTL 175 R,**

**SFTL 186 R, SFTL 291 R, and SFTL 313 R**

## **CABLE BARRIER**



**METRIC ENGINEERING, INC.**  
 11300 Lindbergh Blvd., Ste. # 113  
 Fort Myers, FL 33913  
 Phone (239) 313-4080 Fax: (239) 313-4099

**TRANSMITTAL**

Date: 10/09/08

<b>To:</b> Mr. Richard A. Dun, PE	<b>From:</b> Edwin Santana
ACCI/API Joint Venture 12751 Westlinks Drive, Units 1 & 2 Fort Myers, Florida 33913	<b>RE:</b> I-75 DBF Project From North of Golden Gate Blvd. to South of Colonial Blvd., FIN # 420655-1-52-01 FAP # S113001R, etc. Contract #: E1F59 County: Collier/Lee

**We are sending you the attached via:**

<input type="checkbox"/> US Mail	<input type="checkbox"/> FedEx	<input checked="" type="checkbox"/> Hand Delivery	<input type="checkbox"/> Email
<input type="checkbox"/> Original(s)	<input type="checkbox"/> Disk(s)	<input type="checkbox"/> Submittal(s)	<input type="checkbox"/> Other

Comments:

Original	Copy	Date	Description
1		10/09/08	RFC Cable Barrier System CS-SD47

**Transmitted for:**

<input type="checkbox"/> Approval	<input type="checkbox"/> Corrections	<input type="checkbox"/> Review & Comments
<input type="checkbox"/> Action	<input type="checkbox"/> As requested	<input checked="" type="checkbox"/> Use & Information
		<input type="checkbox"/> Other

**Remarks:** Please find attached RFC Cable Barrier System CS-SD47 for your use and information. We will make our own copies. Should you have any questions or comments, please do not hesitate to contact this office.

Recipient Signature: \_\_\_\_\_ Date: \_\_\_\_\_

File: 9-15.02 Signed: *A. Soebel for* Date: 10/9/08  
 Edwin Santana, Senior Project Engineer



**ACCI/API, a Joint Venture**  
 12751 Westlinks Drive, Units 1 & 2  
 Fort Myers, FL 33913  
 Tel (239) 313-4600 Fax (239) 561-0739



TRANSMITTAL

To: Metric Engineering, Inc.  
 11300 Lindbergh Blvd., Ste. 113  
 Fort Myers, FL 33913

Date: September 30, 2008

Attn: Edwin Santana, P. E.  
 Senior Project Engineer

Phone: 239-313-4080  
 Fax: 239-313-4099

RE: I-75 Design-Build-Finance Project  
 Contract ID No. E1F59

We are sending you:  Attached  Under separate cover, the following items:

- Plans
- Specifications
- Sublet Certification
- Schedule
- Shop Drawings
- Material Certification
- Samples
- Change Order
- Notice
- Copy of Letter
- Other \_\_\_\_\_

No. of Copies	Date	Trans. No.	Description
1	09/29/08	CS-SD47	Signed & Sealed: Cable Barrier Submittal

These are transmitted for the purpose checked below:

- For approval
- For review
- For information
- Other RFC Stamp
- Approved as submitted
- Approved as noted
- Returned for corrections
- Proceed
- Correct and proceed
- Correct and resubmit

Remarks: All ERC comments have been responded to and accepted. Please RFC Stamp.

Signed:

- PE \_\_\_\_\_
- PA \_\_\_\_\_
- CSS \_\_\_\_\_
- S.Insp. \_\_\_\_\_
- Insp. \_\_\_\_\_
- Other \_\_\_\_\_
- File 9-11.162 \_\_\_\_\_

September 15, 2008

Gibraltar Cable Barrier Systems, L.P.  
320 Southland Drive  
Burnet, Texas 78611  
(800) 304-3242 phone

Attn: Robert Ortega Vidaurri

RE: I-75 Design-build  
Financial Project ID 420655-1-52-01  
Lee and Collier County, FL  
Design Review and Adoption of Gibraltar TL-4

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

NDR ENGINEERING, INC.  
By DWG Date 9/23  
Shop Drawing Reference No. \_\_\_\_\_  
Project No. \_\_\_\_\_

Mr. Vidaurri:

We have reviewed the TL-4 Cable Barrier System drawings, FHWA acceptance letters, research documentation, responses to our RFI's, and performed independent calculations. Based on this analysis, we are providing 5 signed and sealed shop drawings for your use (distributed as requested).

It should be noted that field conditions should match these drawing and in the event they do not, Gibraltar should contact HP Engineering prior to constructing the barrier.

With regards to the W-beam transition, the drawing shows 8 guardrail posts anchoring the cable system. In the field there will likely be more guardrail posts than 8, and in some cases the w-beam will be anchored by bridges. Prior to tensioning the system, we recommend that the contractor inspect the integrity of the guardrail system and ensure that at least 8 posts are anchoring the cables thru continuous guardrail or made continuous with standard guardrail splices

Also attached is a cover letter for the materials certifications.

Sincerely,  
HP Engineering, Inc.

David Panlilio, P.E.  
President  
P.E. No. 51467

*Needs Florida  
PE seal.*

I-75 DBF ACC/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
BY: DWG DATE: 9/24/08

*CS-SD47 HARDWARE*

September 22, 2008

Gibraltar Cable Barrier Systems, L.P.  
320 Southland Drive  
Burnet, Texas 78611  
(800) 304-3242 phone

Attn: Robert Ortega Vidaurri

RE: I-75 Design-build  
Financial Project ID 420655-1-52-01  
Lee and Collier County, FL  
CBS material certification – Cable Hardware resubmit

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

NDR ENGINEERING, INC.

By DWG Date 9/23  
Shop Drawing Reference No. \_\_\_\_\_  
Project No. \_\_\_\_\_

Mr. Vidaurri:

As a follow up to my September 15, 2008 letter, the newly proposed cable hardware exceeds the provision of T.S.P. 537-2.3 of the project specifications and is acceptable for this project.

If you have any questions, please feel free to contact me at (813) 785-5217 or [hpengineering@hotmail.com](mailto:hpengineering@hotmail.com).

Sincerely,  
HP Engineering, Inc.

David Panlilio, P.E.  
President  
P.E. No. 51467

I-75 DBF ACC/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
BY: [Signature] DATE: 9/24/08

*CS-SD47 REVISED HARDWARE*

*[Signature] 9/24/08*

September 15, 2008

Gibraltar Cable Barrier Systems, L.P.  
320 Southland Drive  
Burnet, Texas 78611  
(800) 304-3242 phone

Attn: Robert Ortega Vidaurri


RE: I-75 Design-build  
Financial Project ID 420655-1-52-01  
Lee and Collier County, FL  
CBS material certification

Mr. Vidaurri:

The following cable and cable hardware certifications meet the requirements of the contract plans and specifications, with the exception of the turnbuckle. This certification is limited to the materials shown in this package (pgs 1-12) and does not include materials in the Cable Barrier System that were not in the package.

The testing for the turnbuckle hardware met a static load of 25-28 kips. This load capacity is 3.5 times the design loading however it does not meet the requirements of Technical Special Provision 537-2.3 - which requires a minimum tensile strength of 36.8 kips. As discussed a turnbuckle with the required tensile strength will be used, which will be acceptable.

Sincerely,  
HP Engineering, Inc.

  
David Panlilio, P.E.  
President  
P.E. No. 51467

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

NOR ENGINEERING, INC.

By: DWG Date: 9/23  
Shop Drawing Reference No. \_\_\_\_\_  
Project No. \_\_\_\_\_

I-75 O&F ACQUIRY, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 9/24/08

CS-5D47 HARDWARE

01/31/2008 14:00 3156893999

BENNETT BOLT WORKS

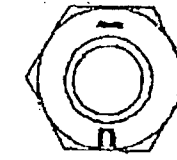
PAGE 05

## NUCOR FASTENER DIVISION

LOT NO. 213520A

Post Office Box 8100  
Saint Joe, Indiana 46785  
Telephone 280/337-1800

CUSTOMER NO/NAME: 124 BENNETT BOLT WORKS DIC  
 TEST REPORT SERIAL: FD274212  
 TEST REPORT ISSUE DATE: 10/27/06  
 DATE SHIPPED: 11/09/06  
 NAME OF LAB SAMPLER: Debra Morrison, LAB TECHNICIAN  
 NUCOR PART NO: 717837  
 MANUFACTURE DATE: 8/15/06  
 NUCOR ORDER # 562967  
 CUST PART #  
 CUSTOMER P.O. # 6001527  
 CERTIFIED MATERIAL TEST REPORT  
 DESCRIPTION: 3/4-18 A563 GR A O/S NIT HDG HEX NUT H.D.F.



--CHEMISTRY

MATERIAL NUMBER	HEAT NUMBER	MATERIAL GRADE	ANALYSIS	SUPPLIER
RM023013	MJ 835668	-L030ML	HEAT ANALYSIS	NUCOR STEEL - NEBRASKA
			C	A2LA NO: 780-01 EXP: 2006-11-30 FOR CHEMICAL TESTING
			MN	
			P	
			S	
			SI	
			MIN	
			MAX	

--MECHANICAL PROPERTIES IN ACCORDANCE WITH SAE J995-99

SURFACE HARDNESS (HR50)	CORE HARDNESS (HRB)	PROOF LOAD (LBS)	TENSILE STRENGTH (LBS)	DEG-WEDGE	STRESS (FSI)
N/A	91.6	PASS	N/A		N/A
N/A	96.2	PASS	N/A		N/A
N/A	98.0	PASS	N/A		N/A
N/A	95.6	PASS	N/A		N/A
N/A	90.0	PASS	N/A		N/A
AVERAGE VALUES FROM TESTS		PRODUCTION LOT SIZE			
		126000 PCS			

ROTATIONAL CAPACITY TESTED IN ACCORDANCE WITH A325, A563 AND F606 TO 360 DEGREES OF ROTATION. SAMPLE 01 PASSED SAMPLE 02 PASSED

--VISUAL INSPECTION IN ACCORDANCE WITH ASTM A563

80 PCS. SAMPLED	LOT PASSED					
1. 0.00497	2. 0.00922	3. 0.00363	4. 0.00410	5. 0.00444	6. 0.00374	7. 0.00738
8. 0.00396	9. 0.00386	10. 0.00350	11. 0.00386	12. 0.00766	13. 0.00480	14. 0.00576
15. 0.00354	16. 0.00412	17. 0.00406	18. 0.00360	19. 0.00506	20. 0.00510	
AVERAGE THICKNESS FROM 20 TESTS: .00447						

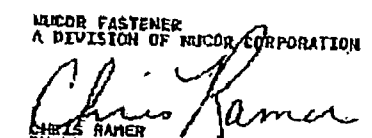
--DIMENSIONS PER ASME B18.2.2-1987

CHARACTERISTIC	SAMPLES TESTED	MINIMUM	MAXIMUM
Width Across Corners	8	1.2548	1.2560
Thickness	32	0.6230	0.6250

ALL TESTS ARE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE METHODS PRESCRIBED IN THE APPLICABLE SAE AND ASTM SPECIFICATIONS. THE SAMPLES TESTED CONFORM TO THE SPECIFICATIONS AS DESCRIBED/LISTED ABOVE AND WERE MANUFACTURED FREE OF MERCURY CONTAMINATION. THE STEEL WAS MELTED AND MANUFACTURED IN THE U.S.A. AND THE PRODUCT WAS MANUFACTURED AND TESTED IN THE U.S.A. WE CERTIFY THAT THIS DATA IS A TRUE REPRESENTATION OF INFORMATION PROVIDED BY THE MATERIAL SUPPLIER AND OUR TESTING LABORATORY. THIS CERTIFIED MATERIAL TEST REPORT RELATES ONLY TO THE ITEMS LISTED ON THIS DOCUMENT AND MAY NOT BE REPRODUCED EXCEPT IN FULL.



MECHANICAL FASTENER CERTIFICATE NO. A2LA 159-01 EXPIRATION DATE 12/31/07

NUCOR FASTENER  
A DIVISION OF NUCOR CORPORATION  
  
CHRIS RAMER  
QUALITY ASSURANCE SUPERVISOR

Page 1 of 1

Received Time Jan. 31. 2008 12:50PM No. 2558

①

14:28 06/13/2006 TO:12583371796

FROM: NUCOR STEEL - NB PAGE 002 of 002

ATTN: CRYSTAL GILLESPIE

BL#-0240946 P.O.-94460

23013

Date: 6/12/06

**Nucor Corporation**

Heat Number: 835568

Post Office Box 309 Norfolk, Nebraska 68702 Phone (402) 644-0200  
Nucor Steel Division  
Mill Certification



Chemical Testing  
Certificates: 0780-01 Chemical Analysis  
Expires: 11/30/06

ACCREDITED

Test conform to ASTM A29-04, ASTM E415 and ASTM E1019-re-sulphurized grades  
Spec: 1030ML Size: 1 7/64 Rounds  
1.1094

C	.30	P	.014	Mo	.01	Sn	.009
Mn	.70	Cu	.10	Al	.001	B	.0001
Si	.20	Cr	.07	V	.002		
S	.019	Ni	.05	Nb	.001		

Physical Properties

	Imperial		Metric	
Yield	50,401	psi	348	MPA
Tensile	78,097	psi	538	MPA
% Elongation	19	% in 8"	19	% in 203.3 mm

Reduction Ratio: 45:1

Selenium, Tellurium or Lead were not intentionally added to this heat.

Chemistry Verification Checks

Part # C28012 RM# 23013  
 Checked By \_\_\_\_\_ Date \_\_\_\_\_  
 Receiving OK: 10 020 6/16/06  
 Certifications OK: 351 6-19-06

NUCOR FASTENER - IN  
P. O. BOX 6100  
ST JOE, IN 46785

  
 Jim Hill Division Metallurgist

All Manufacturing processes, including melting have been performed in the U.S.A. Mercury, in any form, has not been used in the production or testing of this material. Welding or weld repair was not performed on this material. This material conforms to the specifications described on this document and may not be reproduced except in full, without written approval of Nucor Corporation. This product is NAFTA certified under Paragraph "B" of the NAFTA rules of origin. Form 10P002 HT3000R

2

# BENNETT BOLT WORKS, INC.

12 Elbridge Street  
P.O. Box 922  
Jordan, New York 13080

PH 315-689-3981  
FX 315-689-3999

CG 198N-H TURNBUCKLE CABLE END ASSEMBLY  
W/ 2- 11" STUD HDG

← N.G. 36.8<sup>4</sup> in

MEETS: STATIC LOAD TEST 25,000# TO 27,291#

1 EA 3/4"OD X 11" FLATTENED STUD HDG A153 CLASS C  
THD 2 1/4" RH X 6 1/2" LH  
MATERIAL - AISI 1045 - MADE BY NUCOR STEEL # A1234  
GALVANIZED BY V & S GALVANIZING

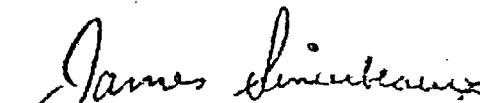
1 EA 3/4"OD X 11" FLATTENED STUD HDG A153 CLASS C  
THD 2 1/4" RH X 6 1/2" RH  
MATERIAL - AISI 1045 - MADE BY NUCOR STEEL #A1234  
GALVANIZED BY V & S GALVANIZING

1 EA 3/4 X 12 TURNBUCKLE BODY ONLY HDG A153 CLASS C  
MATERIAL - ASTM F 1145/AASHTO M269-96(2000) FF-T-79 LB  
MADE BY EDWARD DANIELS #19056  
GALVANIZED BY ART GALVANIZING

2 EA 3/4 X 5 3/4 CASTING PART # BBW-T HDG A153 CLASS A  
MATERIAL - ASTM A220 GRADE 500005 MALLEABLE IRON  
MADE BY BUCK CO. #9N6/000  
GALVANIZED BY V & S GALVANIZNG

2 EA 7/8 X 1 7/8 X 9/32 WEDGE PART # W 1  
MATERIAL - ASTM A47 GRADE 32510 MALLEABLE IRON  
MADE BY BUCK CO. #503

ALL PRODUCTS WERE MELTED AND MANUFACTURED IN THE U.S.A.

  
 MANAGER QUALITY ASSURANCE

3

# BENNETT BOLT WORKS, INC.

12 Elbridge Street  
P.O. Box 922  
Jordan, New York 13080

PH 315-689-3981  
FX 315-689-3999

CG 197CG-H W/WEDGE HEX LOC TITE - HDG  
MEETS: STATIC LOAD TEST 25,000# TO 25,255# *N.6 36.8<sup>K</sup> min*

- 1 EA 7/8 X 1 7/8 X 9/32 WEDGE PART # W 1  
MATERIAL - ASTM A47 GRADE 32510 MALLEABLE IRON  
MADE BY BUCK CO. #503
  
- 1 EA 3/4"OD X 18" FLATTENED STUD HDG A153 CLASS C  
THD 7 1/2" RH X 7" RH  
MATERIAL - AISI 1045 MADE BY NUCOR STEEL # A1234  
GALVANIZED BY V & S GALVANIZING
  
- 1 EA 3/4 X 12 TURNBUCKLE BODY ONLY HDG A153 CLASS C  
MATERIAL - ASTM F1145/AASHTO M269-96(2000) FF-T-79 LB  
MADE BY EDWARD DANIELS #19056  
GALVANIZED BY ART GALVANIZING
  
- 1 EA 3/4"OD X 11" FLATTENED STUD HDG A153 CLASS C  
THD 2 1/4" RH X 6 1/2" LH  
MATERIAL - AISI 1045 MADE BY NUCOR STEEL # A1234  
GALVANIZED BY V & S GALVANIZING
  
- 1 EA 3/4 X 5 3/4 CASTING PART # BBW-T HDG A153 CLASS A  
MATERIAL - ASTM A220 GRADE 500005 MALLEABLE IRON  
MADE BY BUCK CO. # 9N6/000  
GALVANIZED BY V & S GALVANIZING
  
- 1 EA 3/4-10 A563 GR DH HVY HEX NUT HDG A153 CLASS C  
MADE BY UNYTITE # AK 462  
GALVANIZED BY ROGERS BROTHERS GALVANIZING
  
- 1 EA 3/4 F436 HRW HDG A153 CLASS C  
MADE BY WROUGHT WASHER #206649  
GALVANIZED BY ROGERS BROTHERS GALVANIZING

ALL PRODUCTS WERE MELTED AND MANUFACTURED IN THE U.S.A.

*James Lincbeaux*  
MANAGER QUALITY ASSURANCE

④

# V&S PHILADELPHIA GALVANIZING LLC

2520 East Hager Street  
Philadelphia, PA 19125  
(215) 736-8811  
Fax (215) 834-0781

## QUALITY ASSURANCE CERTIFICATION

CUSTOMER NAME Bennett Bolt SHOP ORDER NO.: \_\_\_\_\_  
12 ELBRIDGE ST DATE GALVANIZED: 10/19/05  
Jordan, New York 13080 DATE INSPECTED: \_\_\_\_\_  
CUSTOMER ORDER NO.: \_\_\_\_\_ SHIPPER NO.: \_\_\_\_\_  
PROJECT NAME/NO: \_\_\_\_\_

PO # 6000662 1550 PCS

3/4 X 11" FLATTENED STUD - 2 1/4" RH X 6 1/2" LH  
#A1234

This is to certify that the material on the shop order no. noted above was galvanized in accordance with recommended practices outlined in the ASTM Standards for the type material described in our shipping dot and that this material has been inspected and does meet the minimum standards for acceptance as described in the ASTM Standards.

Applicable Specifications:  
ASTM A123/153  
Owner/Designer Inspection & Approval

V&S Philadelphia Galvanizing LLC  
*[Signature]*  
Sales Manager

⑤

STAMPING THE FUTURE  
WROUGHT WASHER MFG., INC.



Certification of Compliance

BENNETT BOLT WORKS, INC.  
12 ELBRIDGE STREET  
JORDAN, NY 13080

August 31, 2005

Wrought Washer  
Order/Lot Number  
206449

Heat Number	Chemical Analysis				
	C	Mn	P	S	Si
150658	0.340	0.800	0.006	0.001	0.176

Purchase Order Number	Part Description	Date Shipped	Quantity Shipped
6000275	3/4 S MARK HDG	08/31/2005	16,150

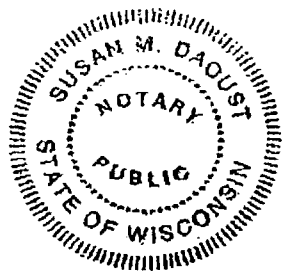
We hereby certify that the subject parts conform to the requirements of the applicable specification indicated for the subject parts and are in complete conformance to F436-03. We hereby certify that the subject parts were hardened to RC 26-45. We hereby certify that the subject parts were hot dip galvanized in accordance with specification ASTM A153 CLASS C.

We hereby certify that all statutory requirements as to American Production and Labor Standards and all conditions of purchase applicable to the transaction have been complied with and that the subject parts were melted and manufactured in the U.S.A.

Truly yours,  
Wrought Washer Mfg., Inc.

*Paul Schaefer*

Paul Schaefer  
Q.C. Manager



*Susan M. Daoust*

Sworn and subscribed before me on August 31, 2005  
My commission expires June 21, 2009

(032) S MARK, HT, HDG, F436  
WW INTERNAL USE: 47564802/002/017295/31075

6

1901 CHICORY RD. • MOUNT PLEASANT, WI 53403 • PHONE (262) 554-9550 • FAX (262) 554-9584  
VISIT OUR WEBSITE: [www.wroughtwasher.com](http://www.wroughtwasher.com)

Received Time Mar. 26, 2008 1:17PM No. 3791



3/25/2008

CERTIFICATE OF COMPLIANCE

Certificate Number: SJS2802  
Customer: Gibraltar  
Customer's Order Number: 345  
Sales Order Number: 1609235  
Product Description: 3/4 3X7 RR CL-A A741-US P/S  
Required Minimum Breaking Force: 39,000 (pounds)

Test Results

Reel Number	Test Strength (lb.)	Modulus of Elasticity (psi)
SJS2802-01	41,195	25,900,000

Note: Rope produced as one reel cut into six 2000 ft. pieces for this order.

We certify that this rope has been manufactured to and meets or exceeds the requirements of ASTM A741-98 Type I modified. Rod used was melted and made in USA. Wire drawing, stranding, and closing were done in USA.

Signed: *Debbie Smith*  
Administrator Engineering Information

7

12200 NW Ambassador Drive, Kansas City, MO 64163-1244  
T 816-270-4700 F 816-270-4707 [www.WireCoWorldGroup.com](http://www.WireCoWorldGroup.com)

NO. 3671 P. 2

MAR. 26. 2008 1:14PM WIRE CO



Received Time Mar. 26, 2008 1:17PM No. 3791

3/25/2008

### CERTIFICATE OF COMPLIANCE

**Certificate Number:** SJS2802  
**Customer:** Gibraltar  
**Customer's Order Number:** 345  
**Sales Order Number:** 1608235  
**Product Description:** 3/4 3x7 RR CL-A A741-US P/S  
**Required Minimum Breaking Force:** 39,000  
 (pounds)

#### Test Results

Reel Number	Test Strength (lb.)	Modulus of Elasticity (psi)
SJS2802-02	41,908	24,600,000

Note: Rope produced as one reel cut into six 2000 ft. pieces for this order.

We certify that this rope has been manufactured to and meets or exceeds the requirements of ASTM A741-98 Type 1 modified.  
 Rod used was melted and made in USA.  
 Wire drawing, stranding, and closing were done in USA.

Signed: Debbie Smith  
 Administrator Engineering Information

8

12200 NW Ambassador Drive, Kansas City, MO 64163-1244  
 T 816-270-4700 F 816-270-4707 www.WireCoWorldGroup.com



Received Time Mar. 26, 2008 1:17PM No. 3791

3/25/2008

### CERTIFICATE OF COMPLIANCE

**Certificate Number:** SJS2802  
**Customer:** Gibraltar  
**Customer's Order Number:** 345  
**Sales Order Number:** 1608235  
**Product Description:** 3/4 3x7 RR CL-A A741-US P/S  
**Required Minimum Breaking Force:** 39,000  
 (pounds)

#### Test Results

Reel Number	Test Strength (lb.)	Modulus of Elasticity (psi)
SJS2802-03	41,088	22,200,000

Note: Rope produced as one reel cut into six 2000 ft. pieces for this order.

We certify that this rope has been manufactured to and meets or exceeds the requirements of ASTM A741-98 Type 1 modified.  
 Rod used was melted and made in USA.  
 Wire drawing, stranding, and closing were done in USA.

Signed: Debbie Smith  
 Administrator Engineering Information

9

12200 NW Ambassador Drive, Kansas City, MO 64163-1244  
 T 816-270-4700 F 816-270-4707 www.WireCoWorldGroup.com





Received Time Mar. 26, 2008 1:17PM No. 3791

3/25/2008

### CERTIFICATE OF COMPLIANCE

Certificate Number: SJS2802  
 Customer: Gibraltar  
 Customer's Order Number: 345  
 Sales Order Number: 1609235  
 Product Description: 3/4 3x7 RR CL-A A741-US P/S  
 Required Minimum Breaking Force: 39,000  
 (pounds)

#### Test Results

Reel Number	Test Strength (lb.)	Modulus of Elasticity (psi)
SJS2802-04	40,178	23,300,000

Note: Rope produced as one reel cut into six 2000 ft. pieces for this order.

We certify that this rope has been manufactured to and meets or exceeds the requirements of ASTM A741-98 Type I modified.  
 Rod used was melted and made in USA.  
 Wire drawing, stranding, and closing were done in USA.

Signed: *Debbie Smith*  
 Administrator Engineering Information

12200 NW Ambassador Drive, Kansas City, MO 64163-1244  
 T 816-270-4700 F 816-270-4707 www.WireCoWorldGroup.com

10

NO. 3671 P. 5 WIRE CO MAR. 26, 2008 1:14PM



Received Time Mar. 26, 2008 1:17PM No. 3791

3/25/2008

### CERTIFICATE OF COMPLIANCE

Certificate Number: SJS2802  
 Customer: Gibraltar  
 Customer's Order Number: 345  
 Sales Order Number: 1609235  
 Product Description: 3/4 3x7 RR CL-A A741-US P/S  
 Required Minimum Breaking Force: 39,000  
 (pounds)

#### Test Results

Reel Number	Test Strength (lb.)	Modulus of Elasticity (psi)
SJS2802-05	40,080	22,200,000

Note: Rope produced as one reel cut into three 2000 ft. pieces for this order.

We certify that this rope has been manufactured to and meets or exceeds the requirements of ASTM A741-98 Type I modified.  
 Rod used was melted and made in USA.  
 Wire drawing, stranding, and closing were done in USA.

Signed: *Debbie Smith*  
 Administrator Engineering Information

12200 NW Ambassador Drive, Kansas City, MO 64163-1244  
 T 816-270-4700 F 816-270-4707 www.WireCoWorldGroup.com

11

NO. 3671 P. 6 WIRE CO MAR. 26, 2008 1:14PM



14700 BROOKPARK ROAD  
CLEVELAND, OHIO 44135-5166

September 19, 2008

Gibraltar Cable Barrier Systems  
320 Southland Road  
Burnet, TX 78611

Re: Turnbuckles for Lee/Collier Project

Attention: Robert Vidaurri

Dear Sir,

In reference to your request for information regarding the specifications of the turnbuckles we will use in producing Cable Splices and Terminal Ends for the Lee/Collier Project, we offer the following information for your perusal:

Turnbuckle Part Number: TB110-J-HDG (manufactured by Ken Forging)

Manufacturing Specification: ASTM F1145, Type 1, Grade 1, Class B

Minimum Breaking Strength: 50,000 lbs.

Galvanizing Specification: ASTM A153

Please feel free to contact us if you may have any questions.

Regards,

Attila Nagy  
Vice President  
Assembly Specialty Products, Inc.



Phone: (216) 676-5600 Fax: (216) 676-6761

Received Time Mar. 26. 2008 1:17PM No. 3791



3/25/2008

### CERTIFICATE OF COMPLIANCE

Certificate Number:	SJS2802
Customer:	Gibraltar
Customer's Order Number:	345
Sales Order Number:	1609235
Product Description:	3/4 3x7 RR CL-A A741-US P/S
Required Minimum Breaking Force: (pounds)	39,000

#### Test Results

Reel Number	Test Strength (lb.)	Modulus of Elasticity (psi)
SJS2802-06	40,777	22,200,000

Note: Rope produced as one reel cut into three 2000 ft. pieces for this order.

We certify that this rope has been manufactured to and meets or exceeds the requirements of ASTM A741-98 Type I modified. Rod used was melted and made in USA. Wire drawing, stranding, and closing were done in USA.

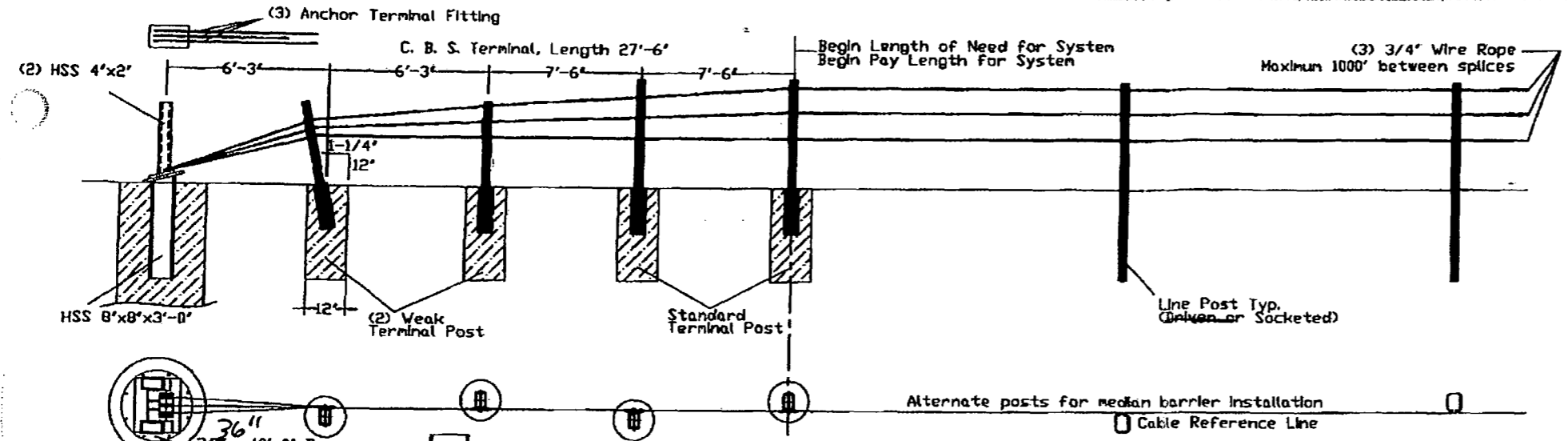
Signed:   
Administrator Engineering Information

12200 NW Ambassador Drive, Kansas City, MO 64183-1244  
T 816-270-4700 F 816-270-4707 www.WireCoWorldGroup.com

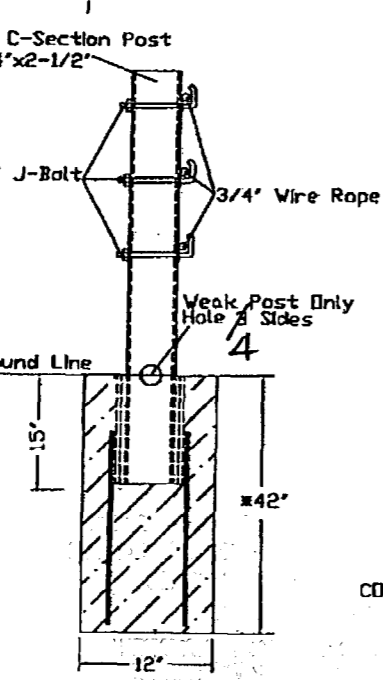
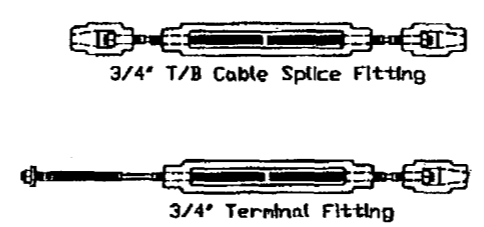
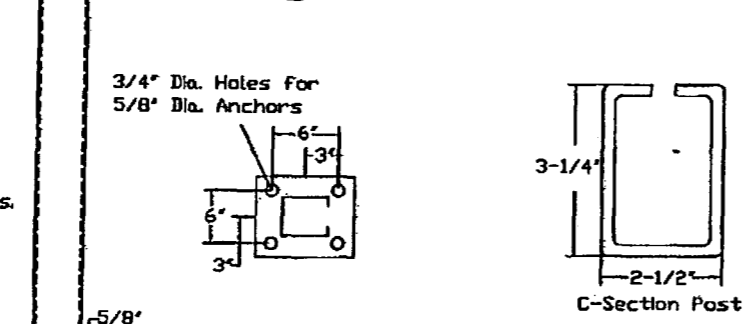
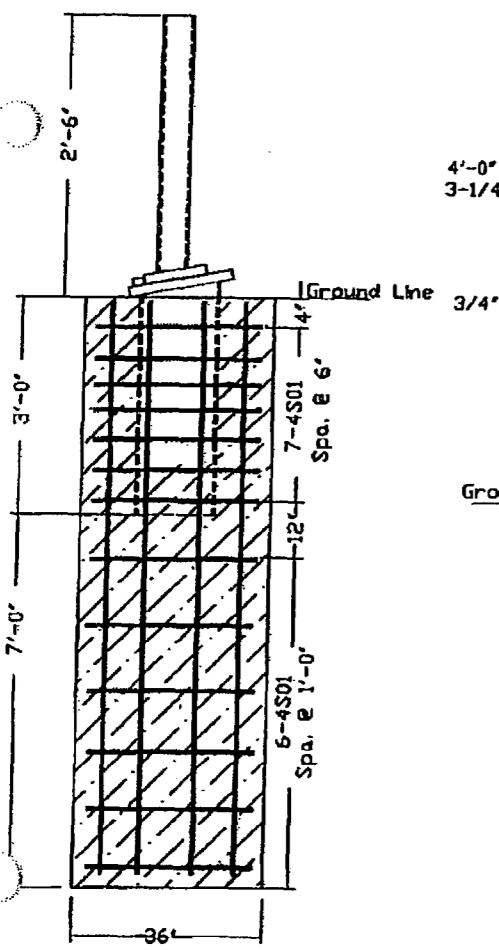
12

NO. 3671 P. 7

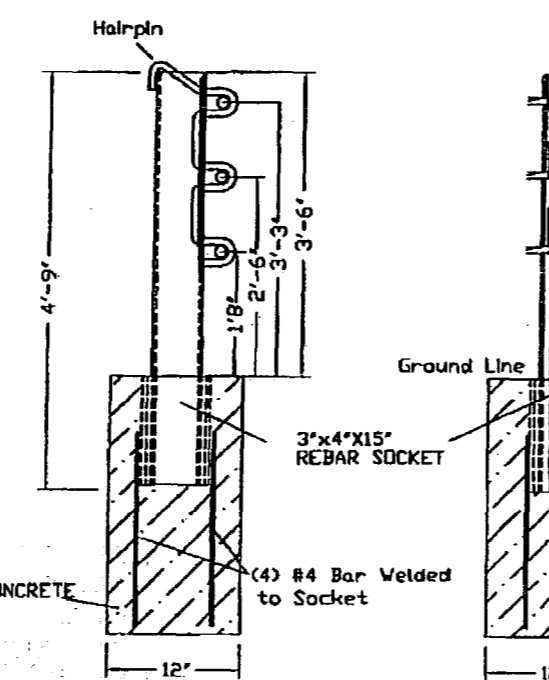
MAR. 26. 2008 1:14PM WIRE CO



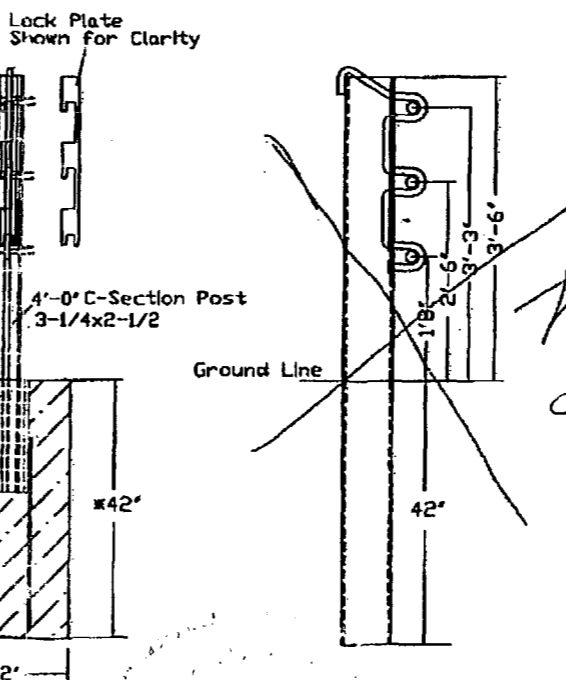
**BASE-PLATED POST**  
 For Use On Concrete  
 5/8" Mechanical Anchor  
 Min. Pullout Strength 10,000 lbs.



Terminal Post



Line Post (Socketed)



Line Post (Driven)

**GENERAL NOTES**

- For additional information contact Gibraltar, Inc. at 1-800-495-8957, or see the manufacturer's product manual.
- All concrete shall be minimum 2500 PSI. *3,000 PSI*
- Alternate Post for bi-directional traffic flow. If installed for traffic in one direction install cables on traffic side of posts. *7/24/08*
- The Cable Barrier System shall be installed on ~~shoulders or~~ on medians with slopes of 6:1 or flatter. If installed on slopes steeper than 6:1 up to 4:1 the TL-4 system performs as a TL-3 and Gibraltar must be contacted for various guidelines related to placement. *DWG*
- The Cable Barrier System is accepted by the FHWA Test Level - 4
- See the MUTCD for proper 'Barrier' delineation
- Rock Clause: Where solid rock is encountered:
  - For socketed post, continue digging 12" diameter, 15' deep into rock or the required plan depth, whichever comes first.
  - For driven post, core drill a 4" diameter hole 18" deep into rock or the required plan depth, whichever comes first. *36" 24"*
  - For Anchor post, continue digging 24" diameter, 30" deep into rock or the required plan depth, whichever comes first. *36" 24"*
- The Gibraltar cable barrier system shall be installed in NCHRP Report 350 standard compacted soil. Soil must be well drained.
- Every component to be galvanized.

- A. APPROVED AS SUBMITTED  
 B. APPROVED AS NOTED  
 C. REVISE AND RESUBMIT  
 D. REJECTED

Cable Tension	Allowable Deflection
-10F	8000
0	7600
10	7200
20	6800
30	6400
40	6000
50	5600
60	5200
70	4800
80	4400
90	4000
100	3600
110	3200

This review is for general concept only. Any deviations or modifications not clearly noted by the contractor has not been reviewed. This review does not constitute a complete check of contract dimensions or count of curves to be reviewed by contractor of contractual responsibility. Any error or deviation from contract requirements is the contractor's responsibility.

JV STAMP OR BACK  
 By *DWG 7/23*  
 Allowable Deviation from Chart +/- 10%

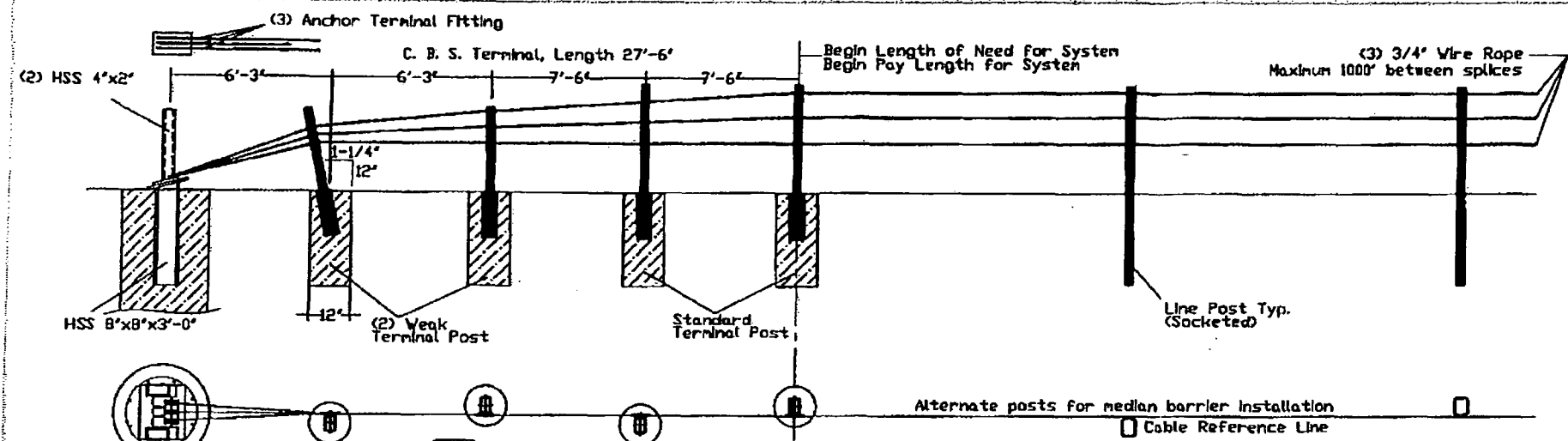
Shop Drawing Reference No.	Deflection	Post Spacing
9'3"	30.FT	
9'	28.FT	
8'	20.FT	
7'	12.FT	
6'8"	10.FT	

FPID 420655-1-52-01  
**GIBRALTAR**  
 320 Southland Road  
 Burnet, Texas 78611  
 1-800-495-8957  
**Cable Barrier System**  
 Patent Pending

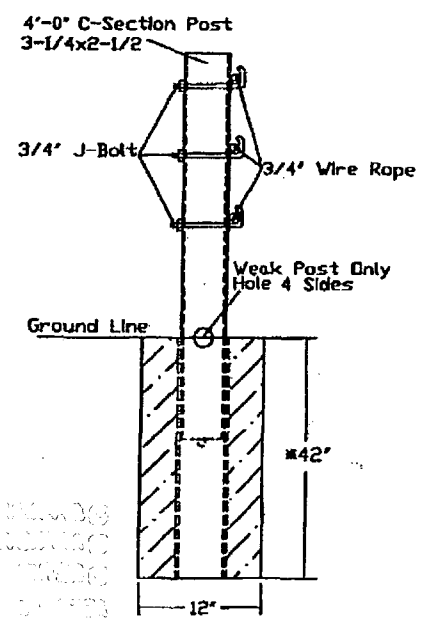
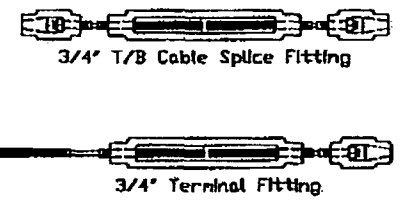
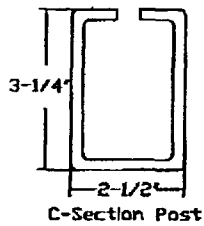
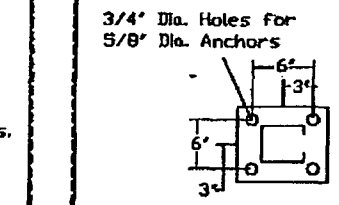
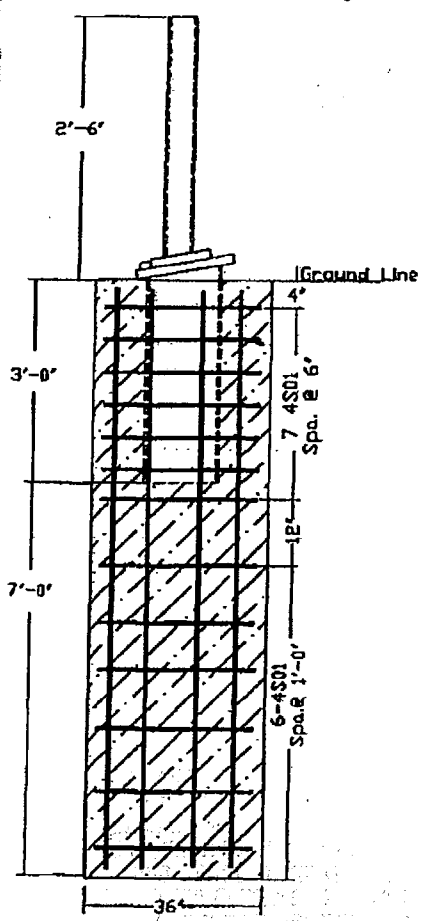
\*See Cable Release Anchor Post Sheet

*9/15/08*

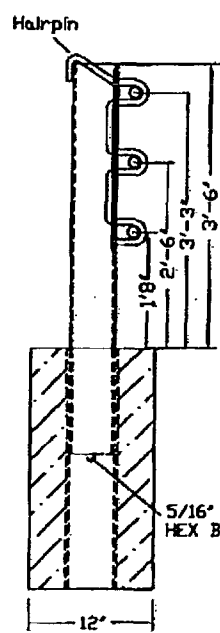




**BASE-PLATED POST**  
 For Use On Concrete  
 5/8" Mechanical Anchor  
 Min. Pullout Strength 10,000 lbs.



Terminal Post



Line Post (Driven-Socket)

- GENERAL NOTES**
- For additional information contact Gibraltar, Inc. at 1-800-495-8957, or see the manufacturer's product manual.
  - All concrete shall be minimum 3000 PSI.
  - Alternate Post for bi-directional traffic flow. If installed for traffic in one direction install cables on traffic side of posts.
  - The Cable Barrier System shall be installed on ~~shoulders or~~ on medians with slopes of 6:1 or flatter. If installed on slopes steeper than 6:1 up to 4:1 the TL-4 system performs as a TL-3 and Gibraltar must be contacted for various guidelines related to placement.
  - The Cable Barrier System is accepted by the FHWA Test Level - 4
  - See the MUTCD for proper 'Barrier' delineation
  - Rock Clause: Where solid rock is encountered:
    - For socketed post, continue digging 12" diameter, 15' deep into rock or the required plan depth, whichever comes first.
    - For driven post, core drill a 12" diameter hole 18" deep into rock or the required plan depth, whichever comes first.
    - For anchor post, continue digging 36" diameter, 24' deep into rock or the required plan depth, whichever comes first. For a minimum depth of 5'-0" \*
    - Details provided in the foundation system have been engineered to cover ALL anchorages on the job.
  - The Gibraltar cable barrier system shall be installed in NCHRP Report 350 standard compacted soil. Soil must be well drained.
  - Every component to be galvanized.

DWG

- APPROVED AS SUBMITTED
- APPROVED AS NOTED
- REVISE AND RESUBMIT
- REJECTED

Cable Tension	
10F	8000-
0	7600-
10	7200-
20	6800-
30	6400-
40	6000-
50	5600-
60	5200-
70	4800-
80	4400-
90	4000-
100	3600-
110	3200-

This review is for general compliance only. Any deviations or specifications not clearly stated on drawings or not constituting a complete engineering design are not constituting a complete engineering design. Contractor of construction responsible for any error or deviation from contract requirements.

Allowable Deviation From Chart +/- 10%

APPROVED  
 Date 5-20-08 DWG 9/23

Deflection	Post Spacing
9'3"	30.FT
2'0"	28.FT
8'	20.FT
7'	12.FT
6'8"	10.FT

GIBALTAR  
 320 Southland Road  
 Burnet, Texas 78611  
 1-800-495-8957

**Cable Barrier System**  
 Patent Pending

SYSTEM: DRIVEN TL-4 SCALE: NTS DRAFTERS: EJL/TJ DATE: 05/13/08

\* See Cable Release Anchor Post Sheet

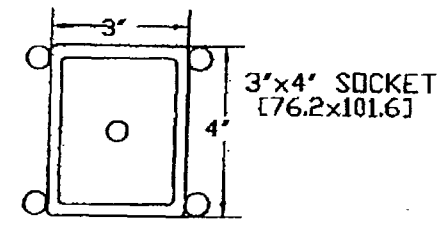
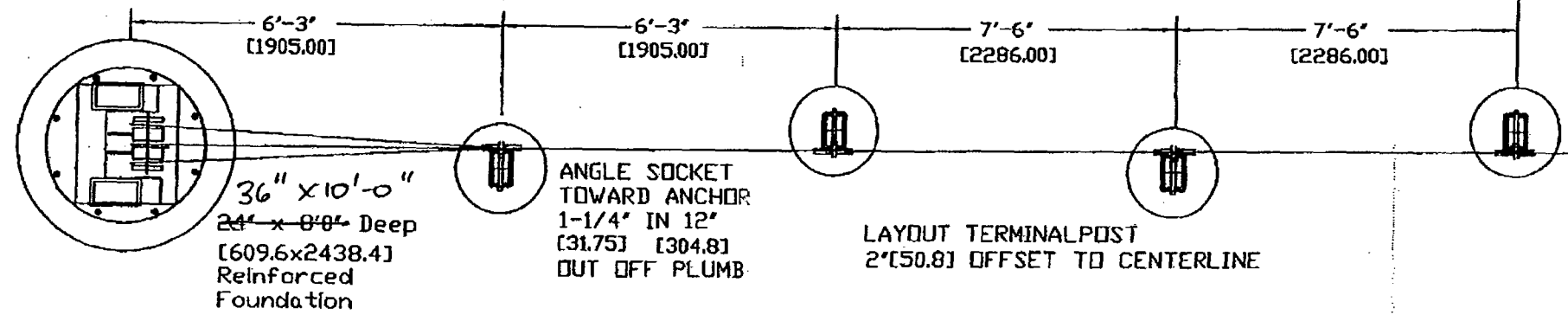
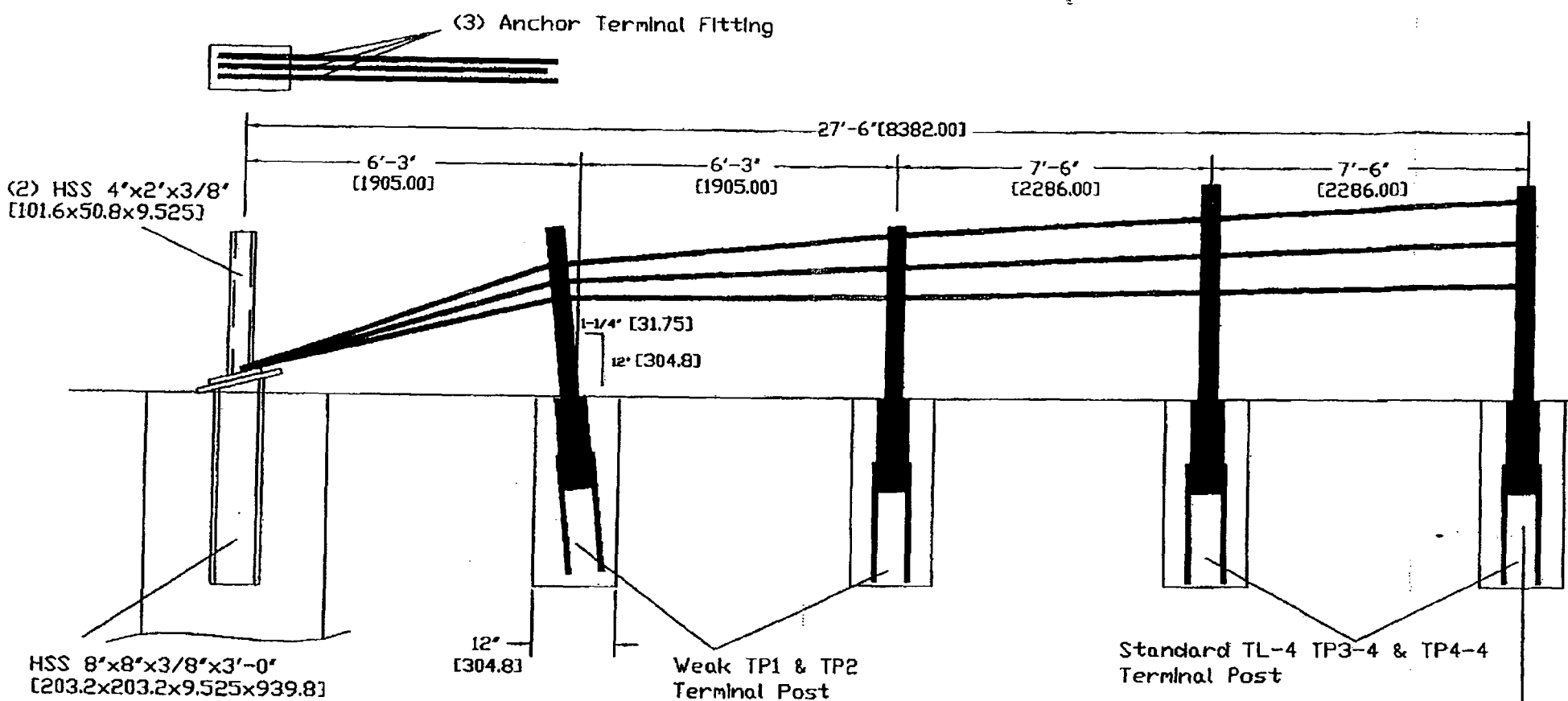
9/15/08

Faint, illegible text, possibly a stamp or header.

RELEASE FOR CONSTRUCTION

[Signature]      10/2/08  
Signature                      Date

I-75 DBF - Joint Venture  
 APPROVED  
 APPROVED  
 RETURN  
ACCEPTANCE  
CONTRACT DOCUMENTS: THE SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING AND CORRELATING ALL QUANTITIES AND DIMENSIONS: SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
BY: [Signature]      DATE: 9/24/08



*[Handwritten Signature]*  
9/15/08

RELEASE FOR CONSTRUCTION  
*[Handwritten Signature]* 10/8/08  
Signature Date

EPID 420655-1-52-01

**GIBRALTAR**  
www.gibraltarcs.com  
1-800-495-8957

**TL-4 Terminal Layout**  
Gibraltar Cable Barrier Systems  
SCALE: NTS DATE: 10-23-07  
LAYOUT: ANSI A DRAFTER: EJ

I-76 DBF ACCI/API, a Joint Venture  
 APPROVED  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 AMEND-SEE CHANGE  
 REJECTED

ACCEPTANCE IS FOR GENERAL CONFORMANCE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND QUANTITIES AND FOR THE PROGRESS AND COMPLETION OF ITS WORK WITH THIS DRAWING.

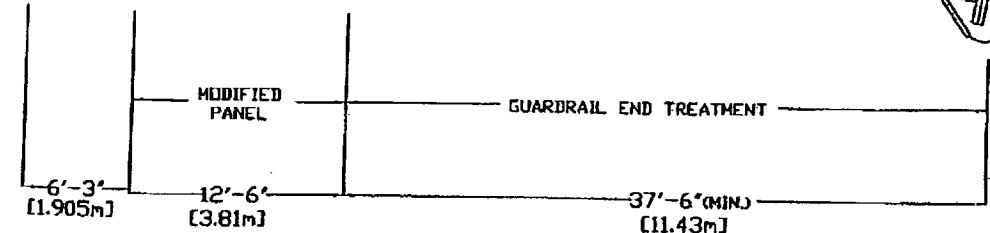
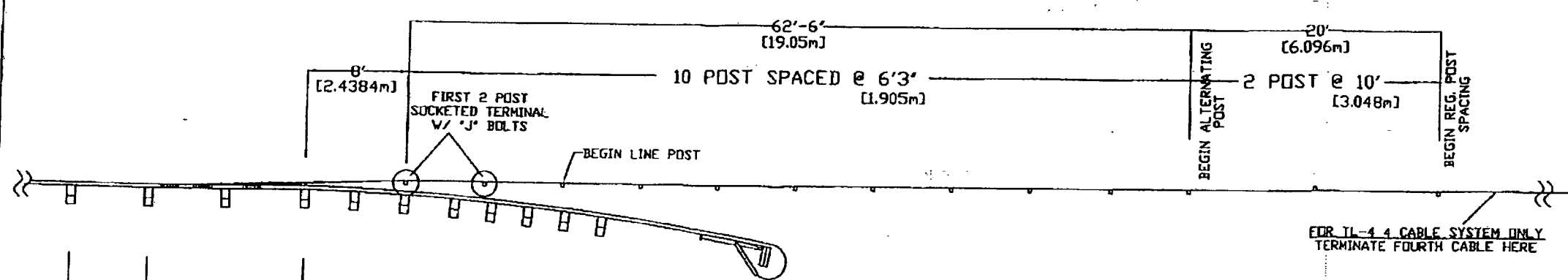
BY: *[Handwritten Signature]* 9/24/08

CS-5D47 PAGE 3-4

A. APPROVED AS SUBMITTED  
 B. APPROVED AS NOTED  
 C. REVISE AND RESUBMIT  
 D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a contract check of detailed dimensions or count of curve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

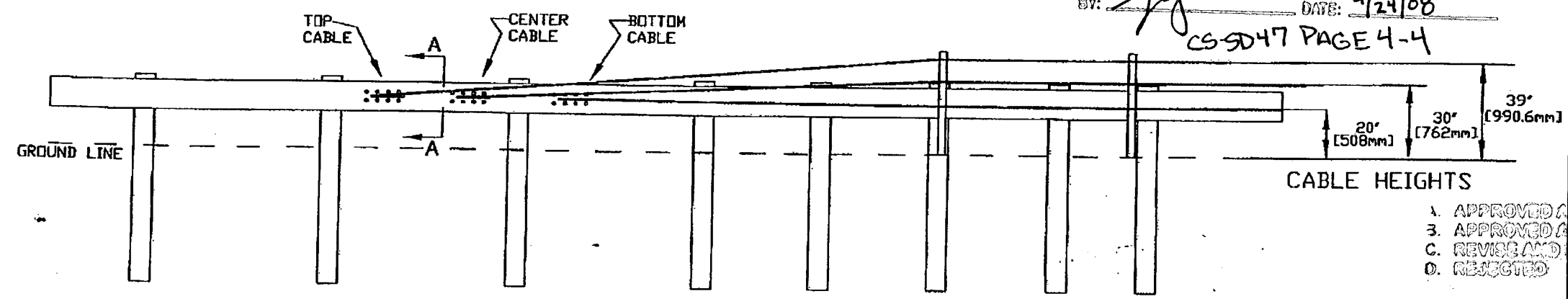
HDR ENGINEERING, INC.  
 By: *[Handwritten Signature]* DWG Date: 9/23/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



PLAN VIEW GUARDRAIL

I-75 DDF ACC/APP, a John Venturo  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 9/24/08

CS-5047 PAGE 4-4



CABLE HEIGHTS

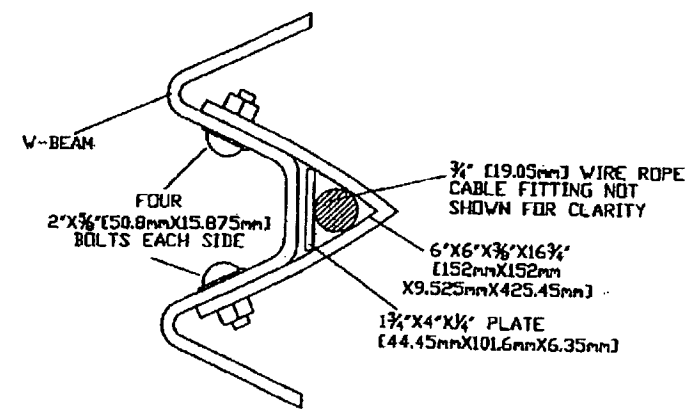
- 1. APPROVED AS QUANTIFIED
- 3. APPROVED AS NOTED
- C. REVISE AND REJECT
- D. REJECTED

FRONT VIEW GUARDRAIL

RELEASE FOR CONSTRUCTION

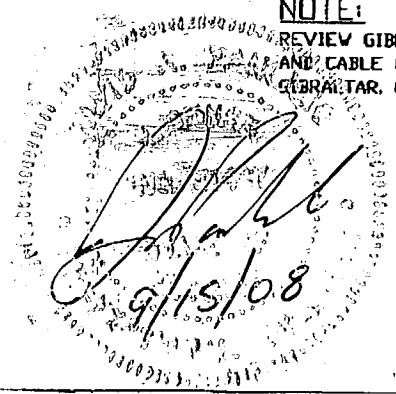
*[Signature]* 10/8/08  
 Signature Date

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor/manufacturer/reviewer shall not constitute a design check of detailed dimensions or quality of work to relieve the contractor of established responsibility for any error or deviation from contract requirements.



SECTION VIEW A-A

NOTE: REVIEW GIBRALTAR SHOP DRAWINGS FOR MODIFIED 12' 6" (3.81m) GUARDRAIL PANEL AND CABLE CONNECTION BRACKET DETAILS. BRACKETS AND HARDWARE PROVIDED BY GIBRALTAR. GUARDRAIL PANEL MODIFIED BY INSTALLER IN THE FIELD.



FPID 420655-1-52-01	
Project No. TL-4 Guardrail Transition	
Gibraltar Cable Barrier Systems	
SCALE: NTS	DATE: 10-23-07
LAYOUT: ANSI A	DRAFTER: EJ

By *[Signature]* Date 9/23/08



16.02.038



**METRIC ENGINEERING, INC.**  
11300 Lindbergh Blvd., Ste. # 113  
Fort Myers, FL 33913  
Phone (239) 313-4080 Fax: (239) 313-4099

**TRANSMITTAL**

Date: 6/17/2010

**To: Mr. C. David Dempsey**  
Project Director  
ACCI/API Joint Venture  
12751 Westlinks Drive, Units 1 & 2  
Fort Myers, Florida 33913

**From: Vince Zaliauskas**  
**RE:** I-75 DBF Project  
From North of Golden Gate Blvd. to South of  
Colonial Blvd.,  
FIN # 420655-1-52-01  
FAP # S113001R, etc.  
Contract #: E1F59  
County: Collier/Lee

**We are sending you the attached via:**

<input type="checkbox"/> US Mail	<input type="checkbox"/> FedEx	<input checked="" type="checkbox"/> Hand Delivery	<input type="checkbox"/> Email
<input type="checkbox"/> Original(s)	<input type="checkbox"/> Disk(s)	<input type="checkbox"/> Submittal(s)	<input type="checkbox"/> Other

Comments:

Original	Copy	Date	Description
1		6/17/2010	<b>RFC Immokalee Light Pole Spread Footing(289)</b>
	1	6/17/2010	<b>RFC Anchor Bolt SD(293)</b>

**Transmitted for:**

<input type="checkbox"/> Approval	<input type="checkbox"/> Corrections	<input type="checkbox"/> Review & Comments	<input type="checkbox"/>
<input type="checkbox"/> Action	<input checked="" type="checkbox"/> As requested	<input type="checkbox"/> Use & Information	<input type="checkbox"/> Other

Remarks: Please find attached RFC Immokalee Light Pole Spread Footing(289) and RFC Anchor Bolt SD (293). We will make our own copies.  
Should you have any questions or comments, please do not hesitate to contact this office.

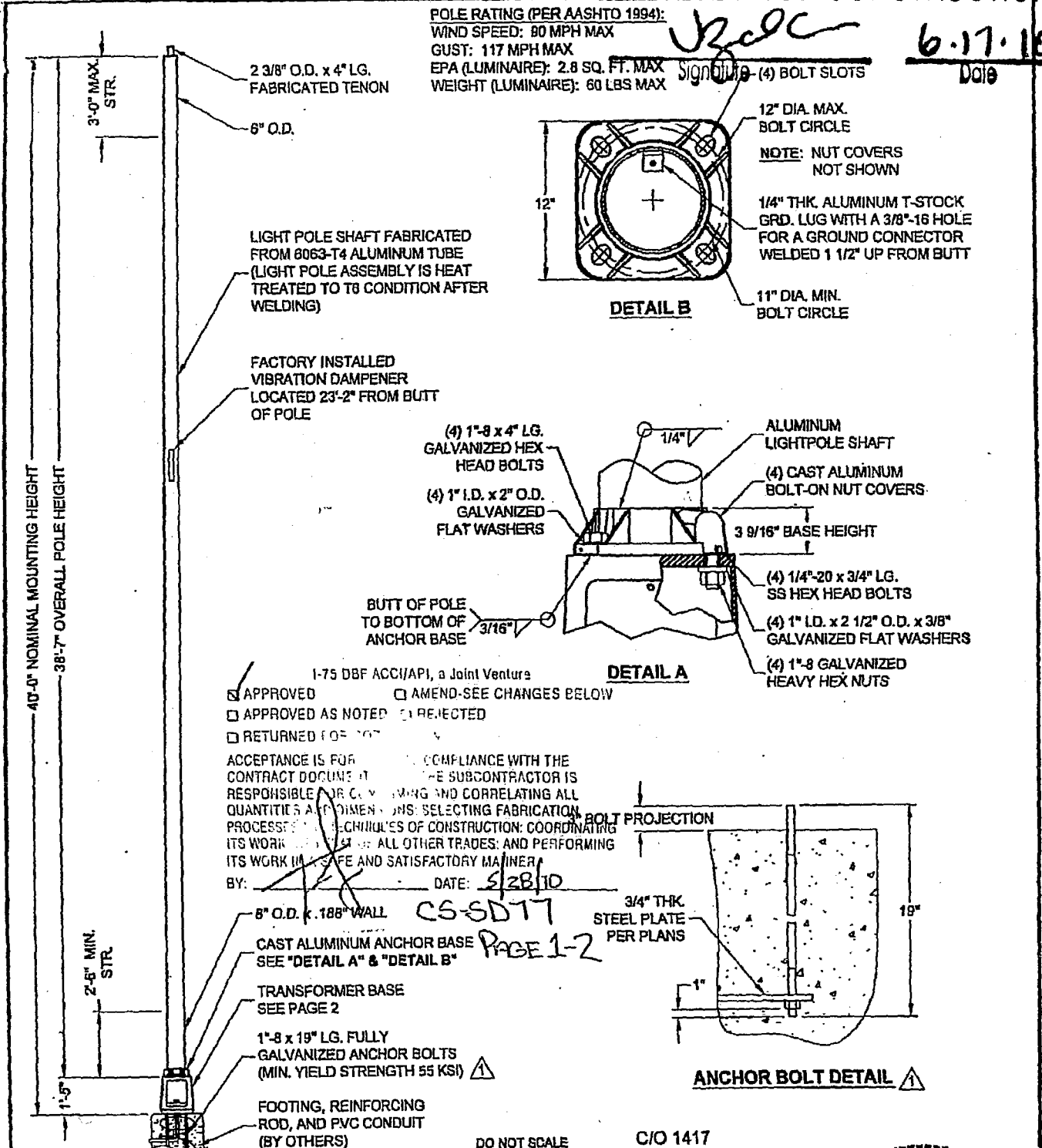
Recipient Signature: \_\_\_\_\_ Date: \_\_\_\_\_

File: 9-15.02 Signed: *V. Zaliauskas* Date: 6/17/10  
Vince Zaliauskas, Senior Project Engineer

RELEASE FOR CONSTRUCTION

*JRC*  
 Signature  
 6.17.10  
 Date

POLE RATING (PER AASHTO 1994):  
 WIND SPEED: 80 MPH MAX  
 GUST: 117 MPH MAX  
 EPA (LUMINAIRE): 2.8 SQ. FT. MAX  
 WEIGHT (LUMINAIRE): 60 LBS MAX



- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By *A.R.* Date 06-01-2010  
 Shop Drawing Reference No. CS-SD 977 PAGE 1-2  
 Project No. 420655-1-52-01

I-75 DBF ACC/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR NOT

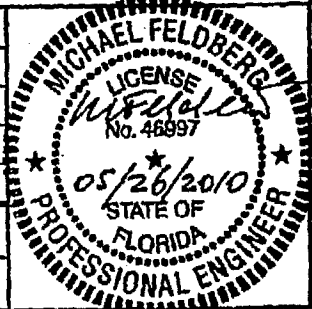
ACCEPTANCE IS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES, SCHEDULES OF CONSTRUCTION, COORDINATING ITS WORK WITH ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *JRC* DATE: 6/28/10

8" O.D. x .188" WALL  
 CAST ALUMINUM ANCHOR BASE SEE "DETAIL A" & "DETAIL B"  
 TRANSFORMER BASE SEE PAGE 2  
 1"-8 x 19" LG. FULLY GALVANIZED ANCHOR BOLTS (MIN. YIELD STRENGTH 55 KSI)   
 FOOTING, REINFORCING ROD, AND PVC CONDUIT (BY OTHERS)

DO NOT SCALE C/O 1417

**valmont**  
 Valmont Industries, Inc. Structures Division  
 20805 Eaton Ave Farmington, Minnesota 55024-7932  
 Phone: (851) 483-8800 (800) 899-7577  
 Fax: (851) 483-3349

TITLE: S TRANSFORMER BASE LIGHT POLE	QTY: 4
MODEL NO.:	OWN BY: C.H
MATERIAL: ALUMINUM ALLOY	CRD BY:
FINISH: 100 GRIT SATIN POLISH	APPROVED BY: <i>JRC</i>
PROJECT: 420655-1-52-01 COLLIER / LEE	DATE: 08-21-08
SOLD TO: HIGHWAYSAFETY DEVICES	DWG NO: LHS1904
SHIP TO:	PAGE:
P.O. NO.:	REV: 05-28-10
REP: D.O.T. LIGHTING INC	REVISION DESCRIPTION: UPDATED ANCHOR BOLTS



"CONFIDENTIAL"  
 The information contained in this drawing is privileged and confidential, and may be protected from disclosure. Please be aware that any use or dissemination of this drawing may be subject to legal restriction or sanction.

REV	DATE	REVISION DESCRIPTION	BY
1	05-28-10	UPDATED ANCHOR BOLTS	JRB
2			

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

□□□□

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

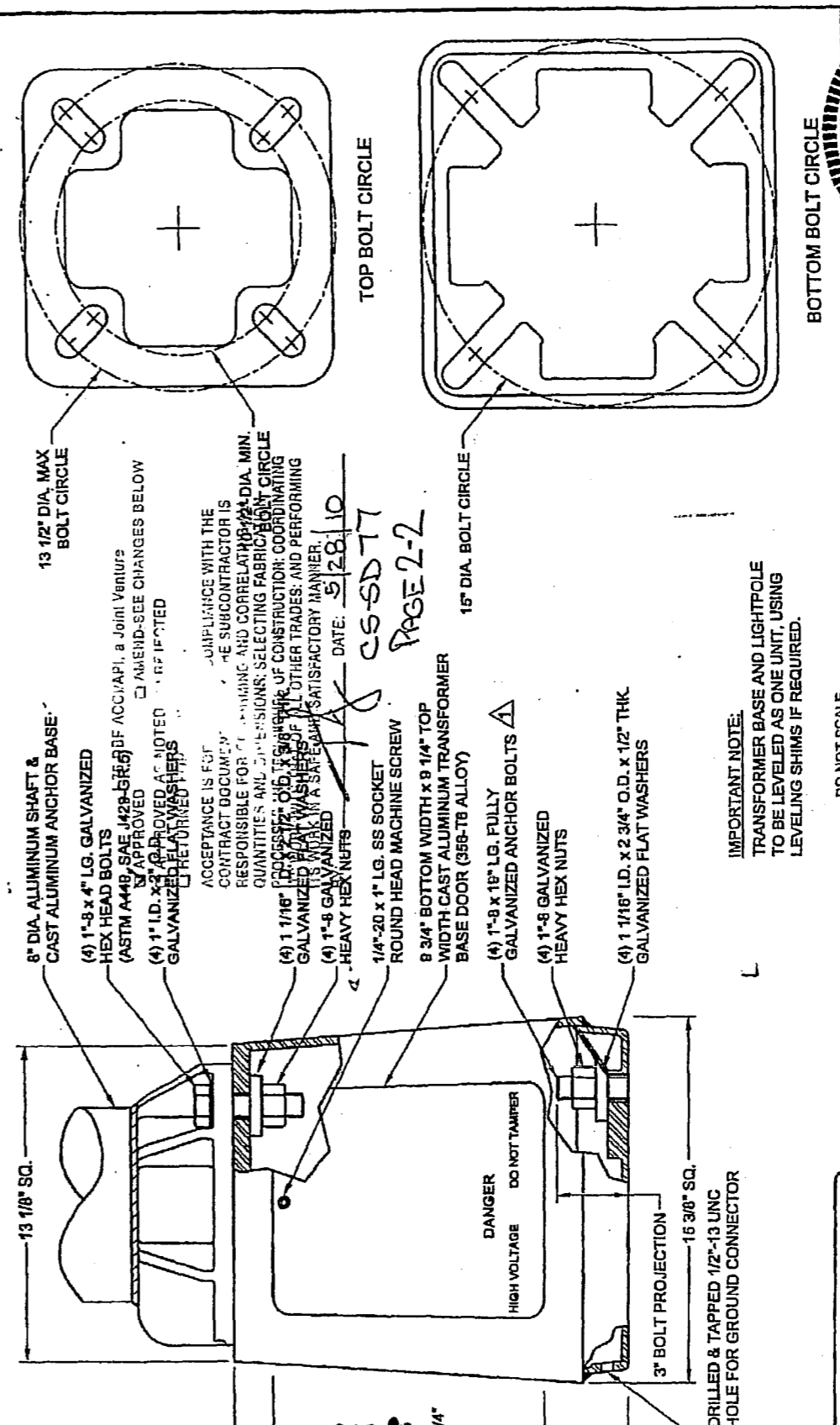
By J.K. Date 06-01-2010

Shop Drawing Reference No. CS-SD 97 PAGE 2-2

Project No. 420655-1-52-01

RELEASE FOR CONSTRUCTION

6.17.10



**CAUTION** USE AGENCIES  
 BEFORE INSTALLATION. UNIT SHOULD COMPLY WITH AUTHORIZED  
 REGULATIONS AND INSTALLATION METHODS. FAILURE TO COMPLY  
 FROM THESE REGULATIONS OR INSTALLATION METHODS MAY RESULT  
 TO APPROXIMATE OPTIMUM STAYING LOADS. USE TO BE LARGEST POSSIBLE BOLT  
 CIRCLES AND USE STEEL WASHERS AS SHOWN BELOW.  
 FOR 2" DIA. THRU 12" DIA. BOTTOM BOLT CIRCLES:  
 USE 2" DIA. 1/2" THICK WASHERS  
 FOR ALL INTERMEDIATE INSTALLATIONS  
 USE SPECIAL WASHERS PER INSTALLATION  
 THROUGH DRILLED HOLES TO 12" DIA. USE 2" DIA. 1/2" THICK WASHERS  
 IN THE BASE LEVEL. WASHERS SHOULD BE TORQUE TO 100 FT. LBS.  
 USE 2" DIA. 1/2" THICK WASHERS  
**BREAKAWAY BASE**  
 APPROVED BY VALMONT TO THE  
 AGENCY REQUIREMENTS

**valmont**  
 Valmont Industries, Inc. Structures Division  
 20805 Edison Ave Farmington, Minnesota 55024-7882  
 Phone: (651) 463-8980 (800) 899-7577  
 Fax: (651) 463-9248  
 "CONFIDENTIAL"  
 The information contained in this drawing is privileged and confidential,  
 and may be protected from disclosure. Please be aware that any use or  
 dissemination of this drawing may be subject to legal restriction or sanction.

DO NOT SCALE

QTY:	4
APP'D BY:	CJH
CHK'D BY:	SYB
DATE:	06-21-08
DWG NO.:	LH191904
JOB:	06-28-10 UPGRADED ANCHOR BOLTS
BY:	2/2

REV DATE REVISION DESCRIPTION

DO NOT SCALE

T-BASE 13-15 BC BLK DR 8" RD 17  
 MODEL NO: 08T15B17  
 MATERIAL: ALUMINUM ALLOY  
 FINISH: SATIN  
 PROJECT: 420655-1-52-01 COLLIER / LEE  
 SOLD TO: HIGHWAY SAFETY DEVICES  
 SHIP TO:  
 P.O. NO:  
 REF: D.O.T. LIGHTING INC

MICHAEL FELDBERG  
 LICENSE  
 No. 46997  
 05/26/2010  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

**CONSTRUCTION SPECIFICATIONS:**

FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WITH APPROVED SUPPLEMENTS THERETO.

**DESIGN SPECIFICATIONS:**

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE DESIGN SPECIFICATIONS.

STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS 1994 WITH APPLICABLE INTERIMS.

FDOT STRUCTURES MANUAL (JULY 2006 EDITION).

FDOT PLANS PREPERATION MANUAL (JANUARY 2006 EDITION).

DESIGN WIND SPEED EQUALS 90 MPH.

**CONCRETE:**

CLASS II  $f'_c = 3400$  PSI (28-DAY)

**REINFORCING STEEL:**

REINFORCEMENT CAN BE EITHER DEFORMED BAR REINFORCEMENT OR WELDED WIRE FABRIC. BAR REINFORCEMENT SHALL BE ASTM A615, GRADE 60. DEFORMED WELDED WIRE FABRIC SHALL HAVE A DESIGN STRENGTH OF 65 KSI.

**CONCRETE COVER:**

CONCRETE COVER SHOWN IN THE PLANS DOES NOT INCLUDE REINFORCEMENT PLACEMENT AND FABRICATION TOLERANCE UNLESS SHOWN AS "MINIMUM COVER". SEE FDOT SPECIFICATIONS FOR ALLOWABLE REINFORCEMENT PLACEMENT TOLERANCES.

**LIGHT POLE FOUNDATION NOTES:**

1. THE CONTRACTOR SHALL CONTACT UTILITY COMPANIES AND FIELD VERIFY ADJACENT UTILITIES AND OTHER OBSTRUCTIONS PRIOR TO CONSTRUCTION OF THE FOUNDATION.
2. SOIL BELOW FOOTING IS TO HAVE A MINIMUM ALLOWABLE BEARING CAPACITY OF 1.2 KIPS/SQ. FT. FOR LEVEL GROUND, THE BOTTOM OF THE FOOTING SHALL BE A MINIMUM OF 23 INCHES BELOW THE ADJACENT COMPACTED GRADES ON ALL SIDES.
3. ANCHOR BOLTS ARE TO HAVE A MINIMUM 4 1/2 INCHES CONCRETE COVER AT BOTTOM OF FOOTING. ANCHOR BOLTS SHALL MEET MATERIAL REQUIREMENTS OF INDEX 17515 OF THE DESIGN STANDARDS.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANCHOR BOLTS THAT EFFECTIVELY TRANSMIT THE LIGHT POLE LOAD TO THE PEDESTAL/FOOTING AND THAT FIT THE REINFORCING CAGE.
5. THE CONTRACTOR MUST PROVIDE CALCULATIONS SHOWING THAT THE FORCES OF THE LIGHT POLE DO NOT EXCEED THE DESIGN LOADS OF THE FOOTING. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS THAT PROVIDE THE SIZE, SPACING AND QUANTITY OF REINFORCEMENT IF THE CALCULATED MAXIMUM LOADS EXCEED THE DESIGN LOADS OR THE PLAN DIMENSIONS OF SPREAD FOOTING (LENGTH AND WIDTH) ARE DIFFERENT THAN SHOWN.

DESIGN LOADS AT TOP OF PEDESTAL NOT TO EXCEED THE FOLLOWING:

	LOADS
MOMENT ABOUT LONGITUDINAL AXIS	= 5.05 K-FT
MOMENT ABOUT TRANSVERSE AXIS	= 18.37 K-FT
SHEAR ALONG TRANSVERSE AXIS	= 0.14 KIP
SHEAR ALONG LONGITUDINAL AXIS	= 0.71 KIP
AXIAL LOAD	= 0.24 KIP

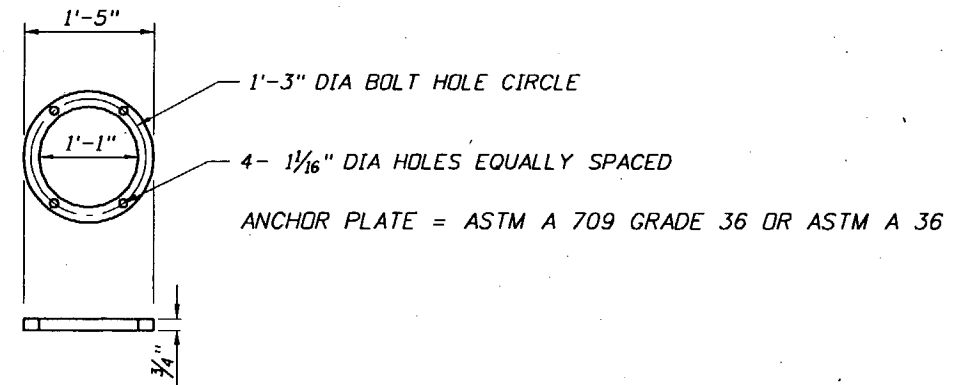


**LIGHT POLE FOUNDATION NOTES (CONT.):**

6. THE PULL BOX SHALL BE INSTALLED ADJACENT TO THE FOOTING. ADEQUATE DRAINAGE OF THE PULL BOX SHALL BE PROVIDED.
7. ALL CONDUITS SHALL BE RIGID GALVANIZED STEEL OR SCHEDULE 40 PVC. BENDS IN CONDUIT SHALL BE MADE USING A RADIUS NOT LESS THAN 11 IN. LOCATION OF THE CONDUITS SHALL BE VERIFIED PRIOR TO CONSTRUCTION (CONDUIT NOT SHOWN FOR CLARITY).

**PRECAST FOOTING NOTES:**

1. SURFACE FINISH: THE EXPOSED PART OF THE PEDESTAL SHALL HAVE A CLASS 3 FINISH.
2. HANDLING: PRECAST CONCRETE FOOTINGS MUST BE MAINTAINED IN A FLAT POSITION. THEY MUST BE PICKED UP FROM POINTS AS SHOWN AT EACH CORNER (SEE SHEET L-12 AND L-13).
3. STORAGE AND TRANSPORTATION: ALL PRECAST CONCRETE FOOTINGS MUST BE STORED ON ADEQUATE DUNNAGE. THE PRECAST CONCRETE FOOTING MUST BE SUPPORTED NO CLOSER THAN 6 INCHES AND NO FURTHER THAN 18 INCHES FROM THE END.
4. MARKING: EACH PRECAST CONCRETE FOOTING SHALL BE MARKED SHOWING CASTING DATE, AND IDENTIFICATION LETTERS AND NUMBERS.
5. WELDED WIRE FABRIC MUST HAVE AN AREA EQUIVALENT TO THE REINFORCEMENT SHOWN IN THE DRAWING (APPROVED SHOP DRAWING IS REQUIRED).
6. CONTRACTOR IS RESPONSIBLE TO ASSURE THE PRECAST FOOTING HAS BEEN ADEQUATELY DESIGNED FOR ANY LIFTING LOADS AND CONSTRUCTION LOADS.
7. CALCULATIONS SIGNED & SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA SHALL BE SUBMITTED BY THE CONTRACTOR TO THE DEPARTMENT FOR REVIEW AND APPROVAL SHOWING THAT THESE REQUIREMENTS HAVE BEEN MET PRIOR TO CONSTRUCTION.



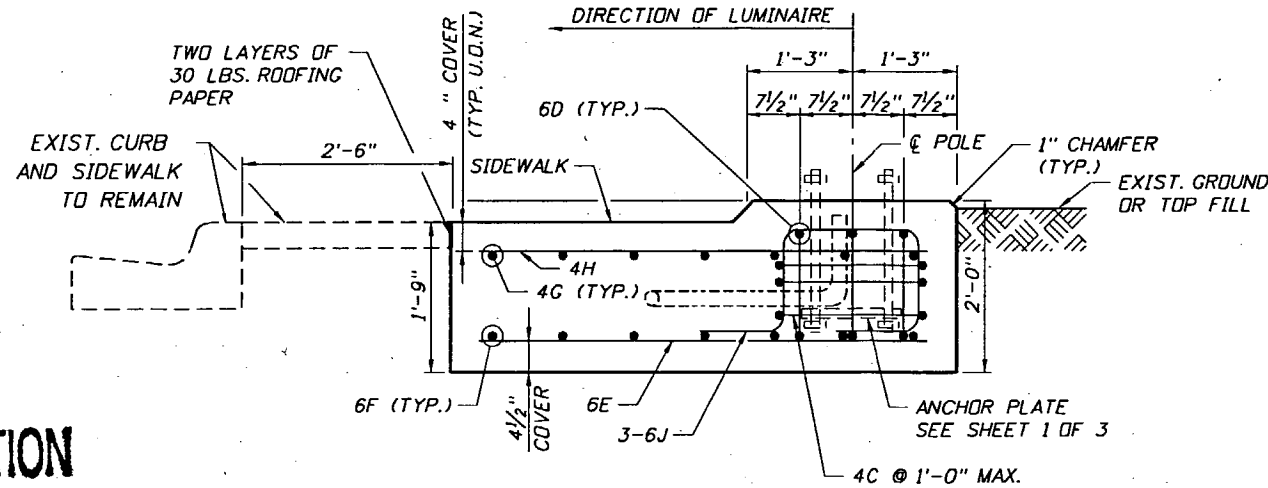
ANCHOR PLATE DETAIL

**RELEASE FOR CONSTRUCTION**

*[Signature]* 6.17.10  
Signature Date

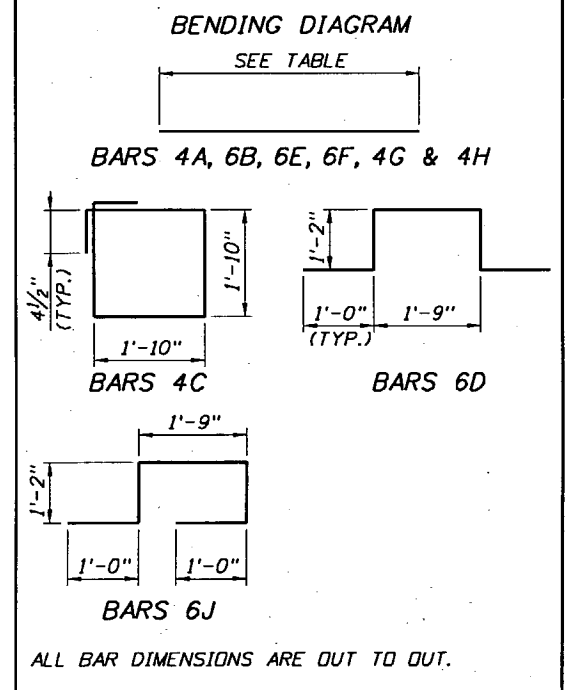
*[Signature]*  
06-11-10

REVISIONS						 <small>GAUTOM DEY, P.E. P.E. LICENSE NUMBER 55861 HDR ENGINEERING, INC. 2202 N. WEST SHORE BLVD. SUITE 250 TAMPA, FL 33607-5755 CERTIFICATE OF AUTHORIZATION 4213</small>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>LIGHT POLE SPREAD FOOTING</b>  <b>(1 OF 3)</b>	SHEET NO.  L-11
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
3/15/10	GD	NEW SHEET				93	COLLIER	420655-1-52-01			



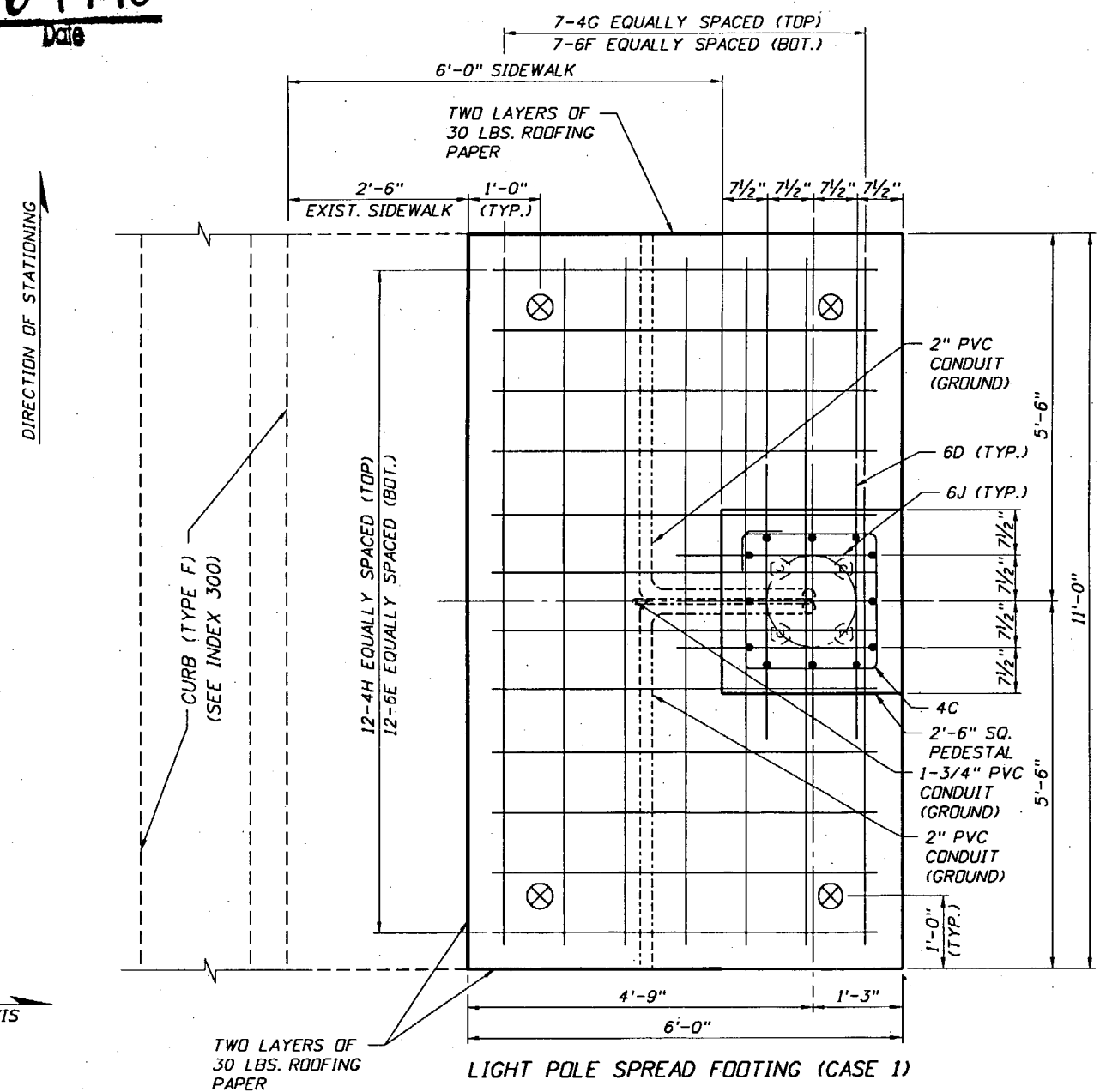
**LIGHT POLE SPREAD FOOTING (CASE 1)**

MARK	SIZE	NO. REQ'D	LENGTH
C	4	3	8'-1"
D	6	3	6'-1"
E	6	12	5'-4"
F	6	7	10'-4"
G	4	7	10'-4"
H	4	12	5'-4"
J	6	3	6'-1"



**RELEASE FOR CONSTRUCTION**

*Kalen* 0-17-10  
Signature Date



- NOTES:**
- ADJUST SPACING OF HORIZONTAL BARS IN FIELD TO CLEAR VERTICAL BARS AND ANCHOR BOLTS.
  - SAW CUT EXISTING SIDEWALK TO CONSTRUCT LIGHT POLE SPREAD FOOTING (CASE 1).
  - 2'-6" OF EXISTING SIDEWALK TO REMAIN AS DETAILED ON THIS SHEET.
- ⊗ DENOTES PICK UP POINTS FOR PRECAST FOOTING.

*James*  
06-11-10

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
3/15/10	GD	NEW SHEET			

**HDR**  
HDR Engineering, Inc.  
2202 N. WEST SHORE BLVD. SUITE 250  
TAMPA, FL 33607-5755  
CERTIFICATE OF AUTHORIZATION 4213

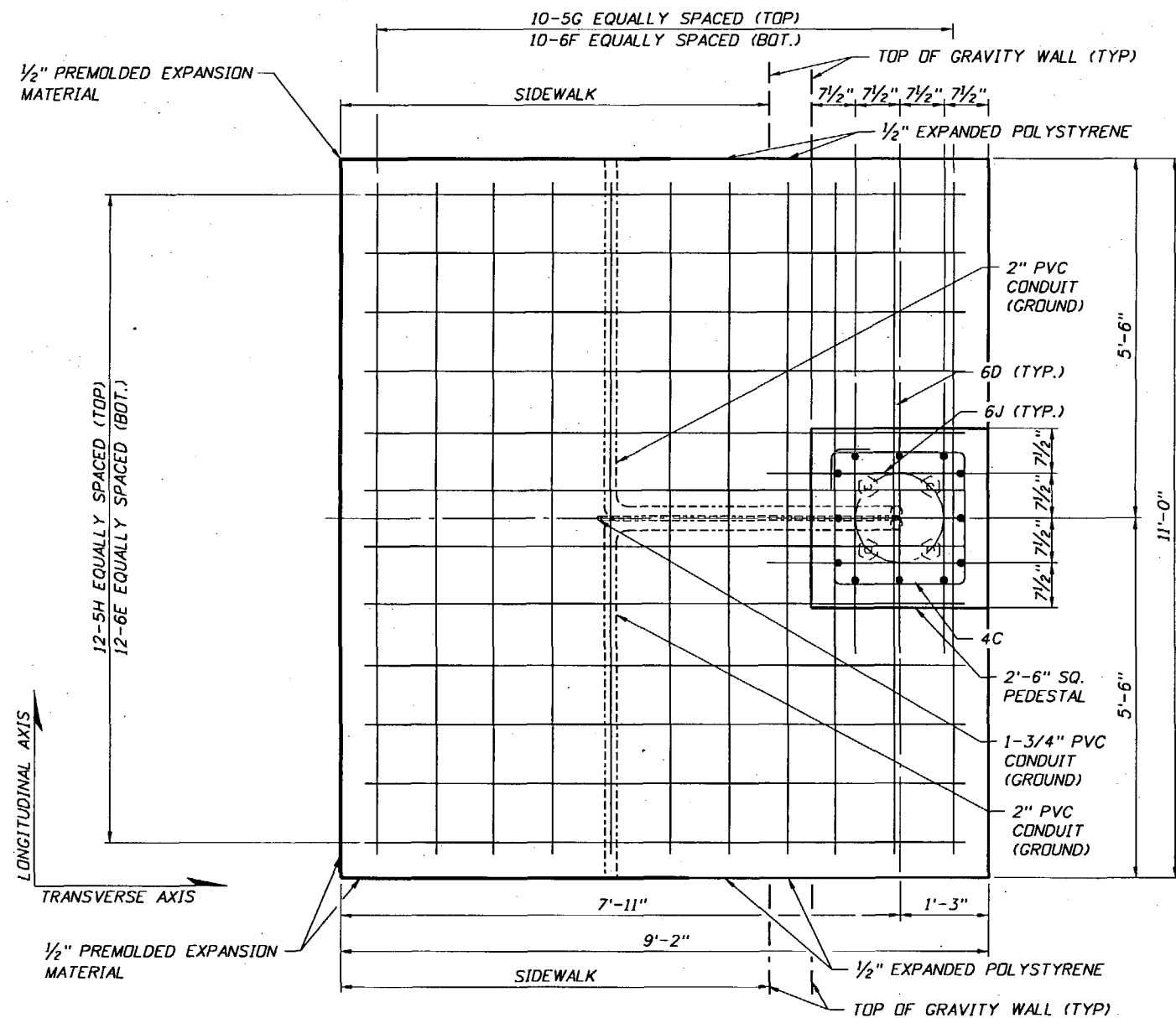
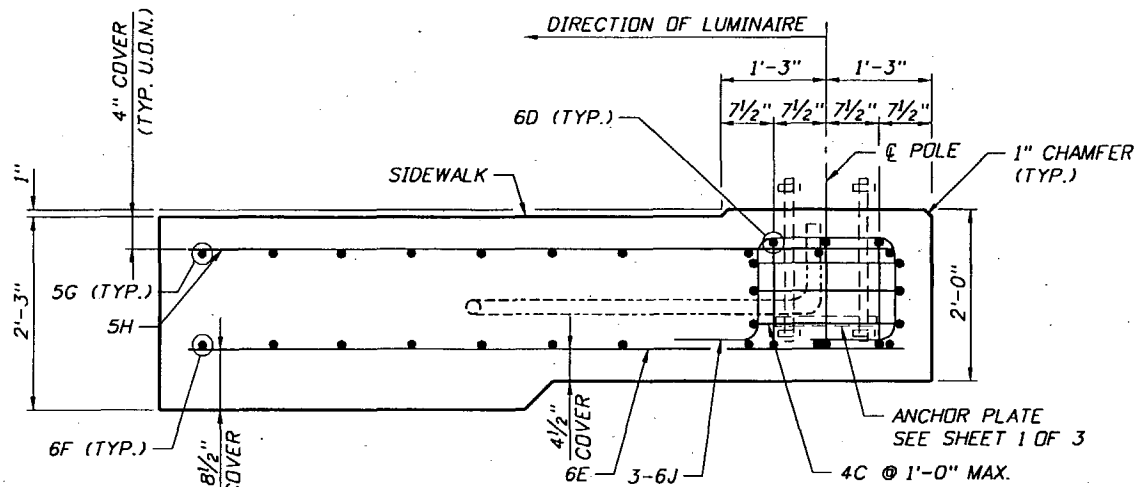
**GAUTOM DEY, P.E.**  
P.E. LICENSE NUMBER 55161  
HDR ENGINEERING, INC.

**STATE OF FLORIDA**  
**DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
93	COLLIER	420655-1-52-01

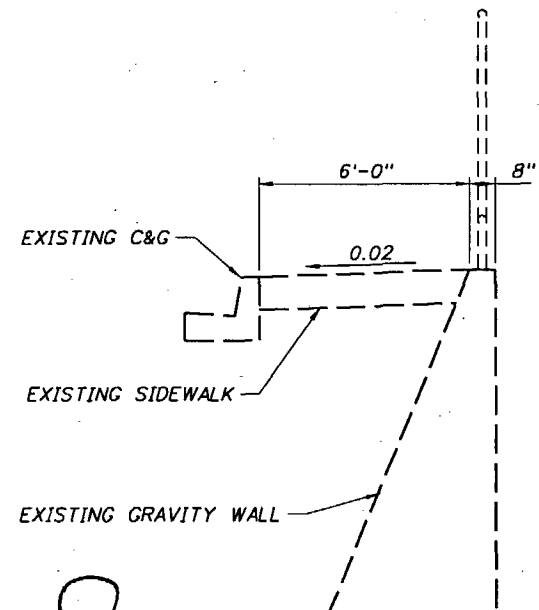
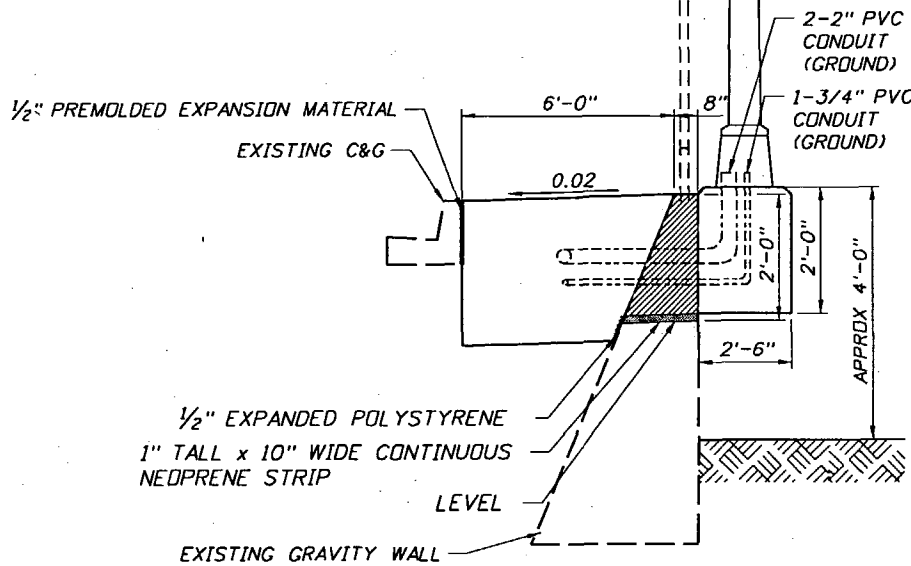
**LIGHT POLE SPREAD FOOTING**  
**(2 OF 3)**

SHEET NO.  
L-12



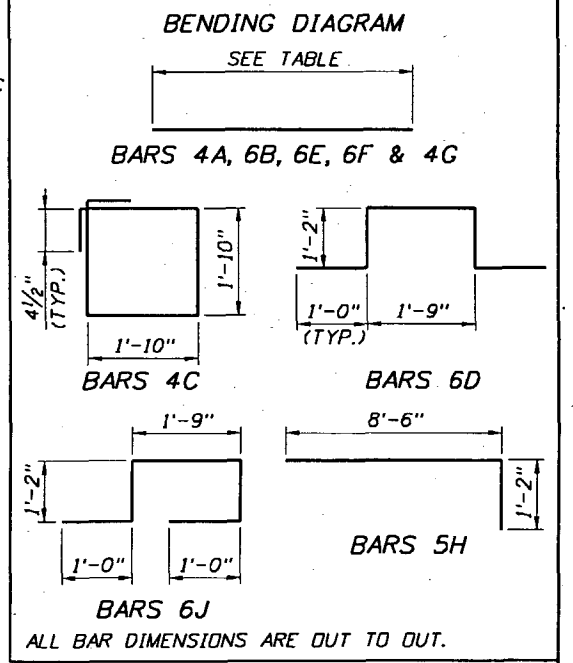
LIGHT POLE SPREAD FOOTING (CASE 2)  
ON TOP OF GRAVITY WALL

RELEASE FOR CONSTRUCTION  
*Uzelen*  
Signature  
6.17.10  
Date



SECTION VIEW  
N.T.S.

BILL OF REINFORCING STEEL			
LIGHT POLE SPREAD FOOTING (CASE 2)			
MARK	SIZE	NO. REQ'D	LENGTH
C	4	3	8'-1"
D	6	3	6'-1"
E	6	12	8'-6"
F	6	10	10'-4"
G	5	10	10'-4"
H	5	12	9'-8"
J	6	3	6'-1"



- NOTES:
- ADJUST SPACING OF HORIZONTAL BARS IN FIELD TO CLEAR VERTICAL BARS AND ANCHOR BOLTS.
  - REMOVE THE EXISTING SIDEWALK AND HANDRAIL. THE HANDRAIL SHALL BE STORED AND RE-INSTALLED AFTER THE FOOTING CONSTRUCTION.
  - SAW CUT TOP 2'-0" OF THE EXISTING GRAVITY WALL.
  - THE EXISTING VERTICAL AND HORIZONTAL REINFORCING STEEL SHALL BE BURNED OFF 1" BELOW THE CUT SURFACES OF THE CONCRETE AND THE HOLES SHALL BE GROUTED WITH NON-SHRINK GROUT ON THE QPL.
  - CONSTRUCT LIGHT POLE SPREAD FOOTING (CASE 2) AS SHOWN ON THIS SHEET.
- ▨ GRAVITY WALL TO BE REMOVED

*Janey*  
06-11-10

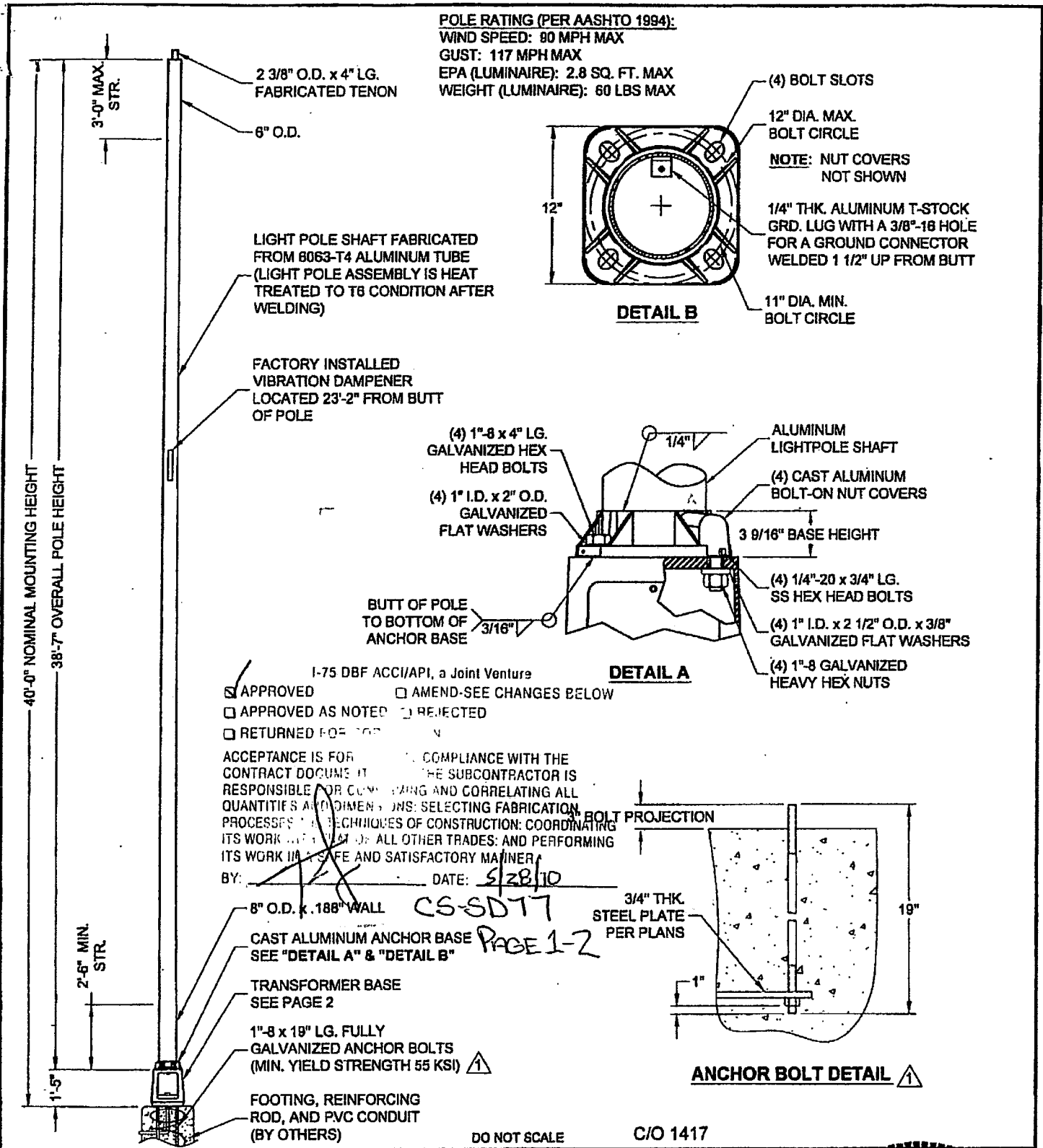
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
3/15/10	GD	NEW SHEET			

**HDR**  
HDR Engineering, Inc.  
GAUTOM DEY, P.E.  
P.E. LICENSE NUMBER 55661  
HDR ENGINEERING, INC.  
2202 N. WEST SHORE BLVD. SUITE 250  
TAMPA, FL 33607-5755  
CERTIFICATE OF AUTHORIZATION 4213

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
93	COLLIER	420655-1-52-01

LIGHT POLE SPREAD FOOTING  
(3 OF 3)

SHEET NO. L-13
-------------------



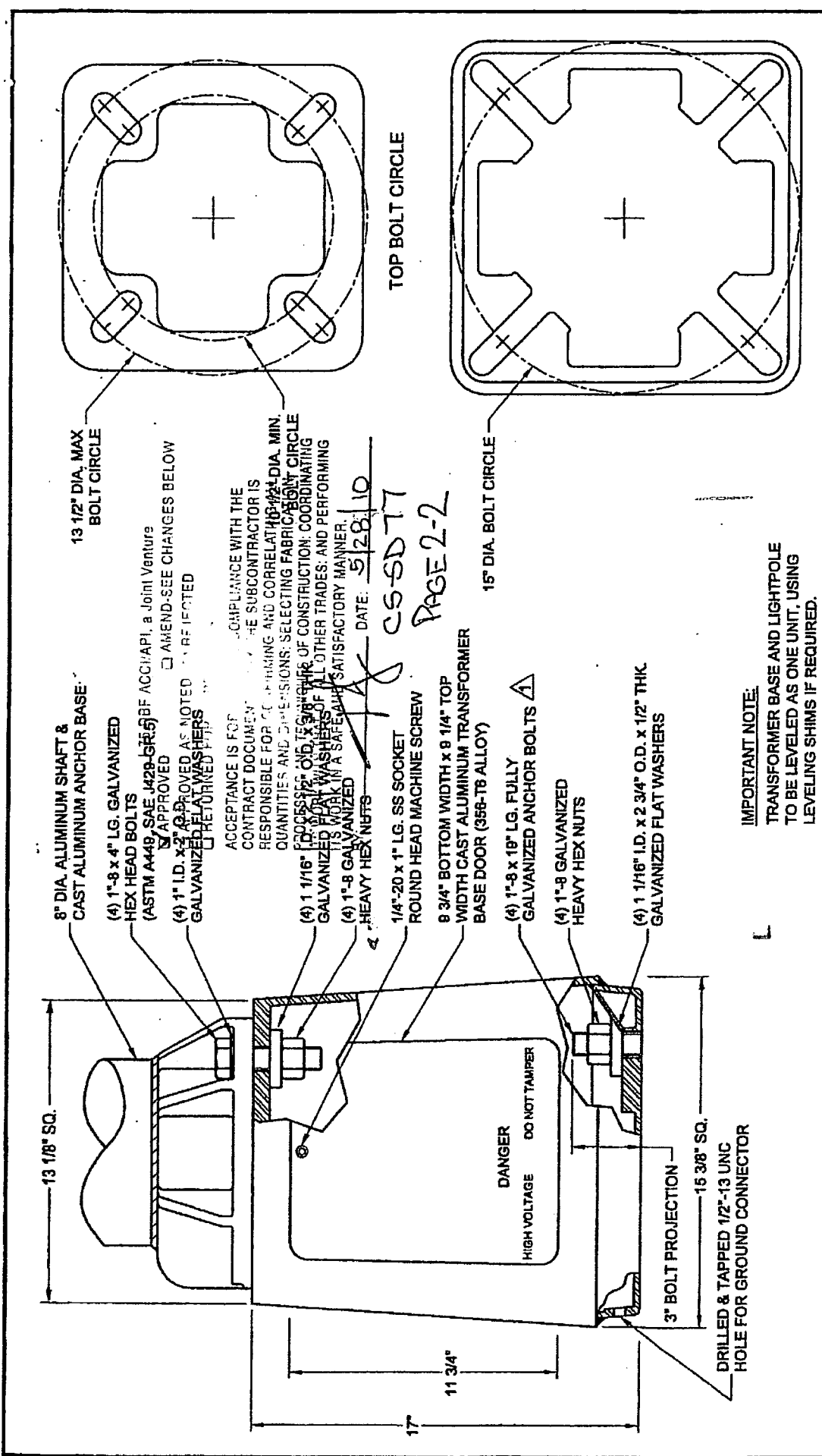
**valmont**

Valmont Industries, Inc. Structures Division  
20805 Eaton Ave Farmington, Minnesota 55024-7832  
Phone: (851) 463-8980 (800) 888-7577  
Fax: (851) 463-3349

**\*\*CONFIDENTIAL\*\***  
The information contained in this drawing is privileged and confidential, and may be protected from disclosure. Please be aware that any use or dissemination of this drawing may be subject to legal restriction or sanction.

TITLE:	TRANSFORMER BASE LIGHT POLE	
QTY:	4	
OWN BY:	CJH	
CHK'D BY:	CJH	
APPR BY:	JES	
DATE:	08-21-08	
DWG NO.:	LH91904	
REV	DATE	REVISION DESCRIPTION
1	05-28-10	UPDATED ANCHOR BOLTS
		BY: JRB
		1/2

**MICHAEL FELDBERG**  
LICENSE  
No. 46897  
05/26/2010  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER



**valmont**

Valmont Industries, Inc. Structures Division  
20805 Eaton Ave Farmington, Minnesota 55024-7832  
Phone: (851) 463-8980 (800) 888-7577  
Fax: (851) 463-3349

**\*\*CONFIDENTIAL\*\***  
The information contained in this drawing is privileged and confidential, and may be protected from disclosure. Please be aware that any use or dissemination of this drawing may be subject to legal restriction or sanction.

**CAUTION**  
BEFORE INSTALLATION, USE A SPECIAL CORRECTION AUTHORIZED BY THE MANUFACTURER TO CORRECT DEFECTS IN THE PRODUCT. FROM UNDER INSTALLATION METHODS, FOLLOW THE MANUFACTURER'S INSTRUCTIONS TO APPROACH OPTIMAL INSTALLATION. USE THE LARGEST POSSIBLE BOLT CIRCLE AND USE STEEL WASHER SIZES SPECIFIED BELOW.  
FOR 1/2" DIA. THRU DIA. TOP BOLT CIRCLE:  
USE 3/8" DIA. x 1 1/2" THK. WASHER  
FOR ALL DIMENSIONS UNDER 1/2" DIA. USE SPECIAL MOUNTING INSTRUCTIONS.  
TO REMOVE GROUND MOUNTING BOLTS TO 100 FT. L.S. SHIM BASE LEVEL WHEN REQUIRED BEFORE TORQUING MOUNTING BOLTS FOR 10-12 FT. DIA. THRU DIA. TOP BOLT CIRCLE:  
USE 3/4" DIA. x 3" THK. WASHER  
BREAKAWAY BASE  
APPROVED BY VALMONT  
AASHTO REQUIREMENTS

DO NOT SCALE

TITLE: S  
MODEL NO.: 08R1315B17  
MATERIAL: ALUMINUM ALLOY  
FINISH: SATIN  
PROJECT: 420865-1-52-01 COLLIER / LEE  
SOLD TO: HIGHWAY SAFETY DEVICES  
SHIP TO:  
P.O. NO.:  
REP.: D.O.T. LIGHTING INC.

QTY: 4  
OWN BY: CJH  
CHK'D BY:  
APPR BY: JES  
DATE: 08-21-08  
DWS NO.: LH91904  
PAGE: 2/2

REV DATE REVISION DESCRIPTION BY

05-28-10 UPDATED ANCHOR BOLTS JRB

Project No. 420655-1-52-01  
 Shop Drawing Reference No. CS-SD 97 PAGE 1-2  
 By A.K. Date 06-01-2010  
 HDR ENGINEERING, INC.

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By A.K. Date 06-01-2010  
 Shop Drawing Reference No. CS-SD 97 PAGE 2-2  
 Project No. 420655-1-52-01





**METRIC ENGINEERING, INC.**  
 11300 Lindbergh Blvd., Ste. # 113  
 Fort Myers, FL 33913  
 Phone (239) 313-4080 Fax: (239) 313-4099

**TRANSMITTAL**

**Date:** 12/02/09

**To: Mr. C. David Dempsey**  
 Project Director  
 ACCI/API Joint Venture  
 12751 Westlinks Drive, Units 1 & 2  
 Fort Myers, Florida 33913

**From: Mr. Edwin Santana**  
**RE:** I-75 DBF Project  
 From North of Golden Gate Blvd. to South of  
 Colonial Blvd.,  
 FIN # 420655-1-52-01  
 FAP # S113001R, etc.  
 Contract #: E1F59  
 County: Collier/Lee

**We are sending you the attached via:**

<input type="checkbox"/>	US Mail	<input type="checkbox"/>	FedEx	<input checked="" type="checkbox"/>	Hand Delivery	<input type="checkbox"/>	Email
<input checked="" type="checkbox"/>	Original(s)	<input type="checkbox"/>	Disk(s)	<input type="checkbox"/>	Submittal(s)	<input type="checkbox"/>	Other

Comments:

Original	Copy	Date	Description
1		12/02/09	RFC Immokalee Truss Signs (CS-SD76)
1		12/02/09	RFC Bridge Mounted Sign Bracket Sign No. A-EX20 (CS-SD71)
1		12/02/09	RFC Bridge Mounted Sign Bracket Sign No. A-29 (CS-SD72)

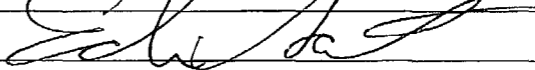
**Transmitted for:**

<input type="checkbox"/>	Approval	<input type="checkbox"/>	Corrections	<input type="checkbox"/>	Review & Comments	<input type="checkbox"/>	
<input type="checkbox"/>	Action	<input type="checkbox"/>	As requested	<input checked="" type="checkbox"/>	Use & Information	<input type="checkbox"/>	Other

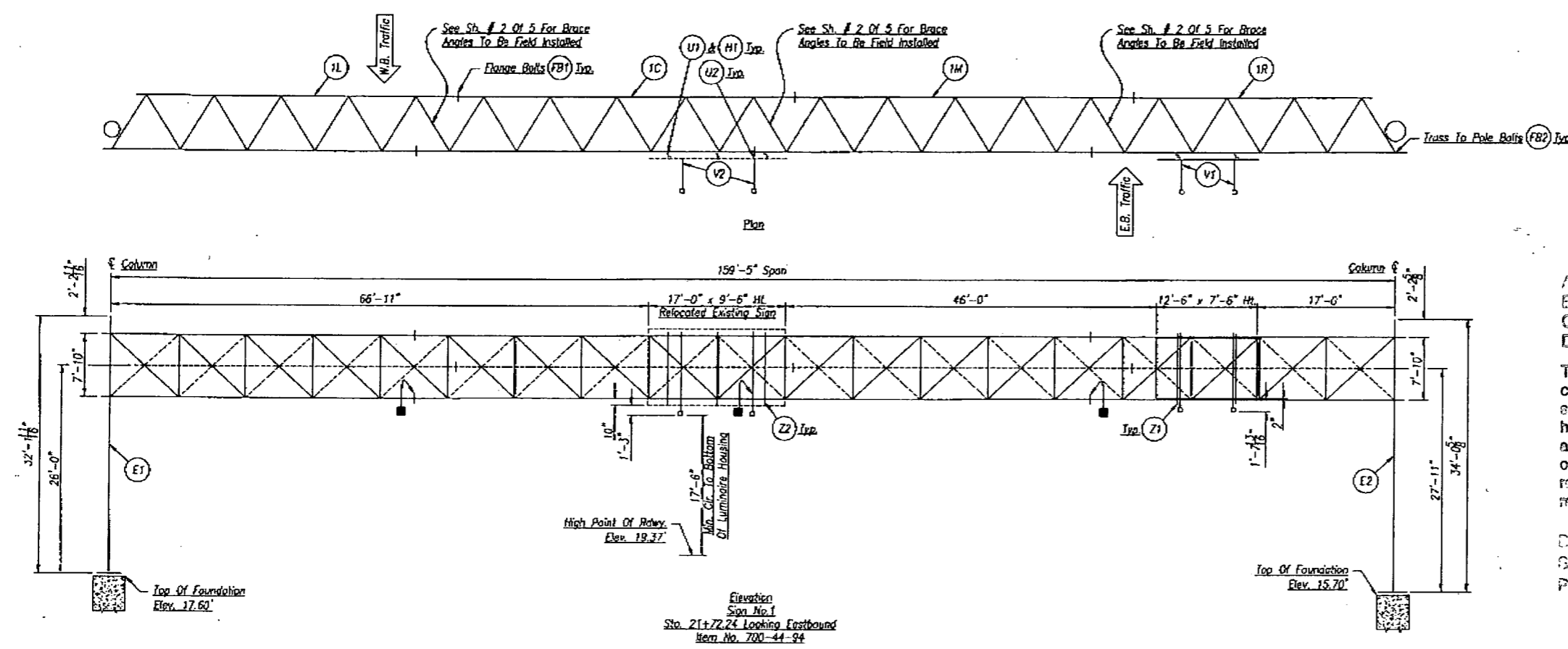
**Remarks:** Please find attached RFC Shop Drawings. We will make our own copies.

Should you have any questions or comments, please do not hesitate to contact this office.

**Recipient Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**File:** 9-15.02 **Signed:**  **Date:** 12/2/09  
 Edwin Santana, Senior Project Engineer

14.02.037



Highway Safety Devices, Inc.  
 Approved for Submission  
 Date: 10/22/09  
 By: [Signature]

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

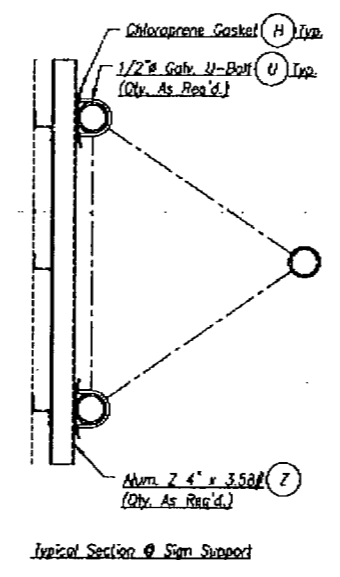
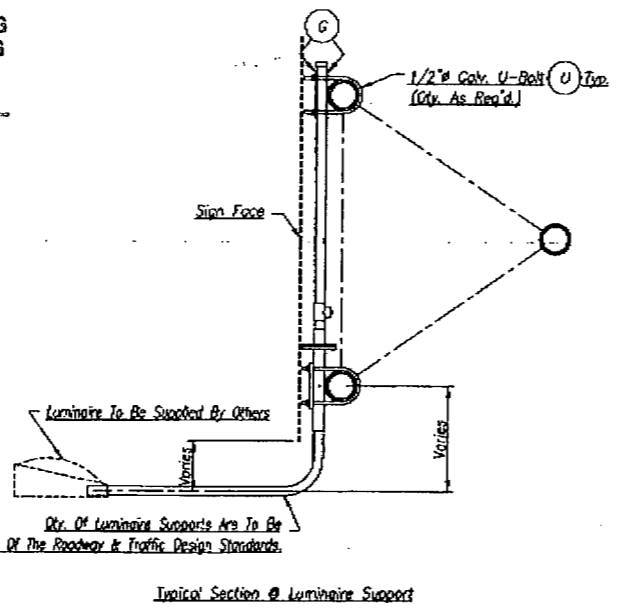
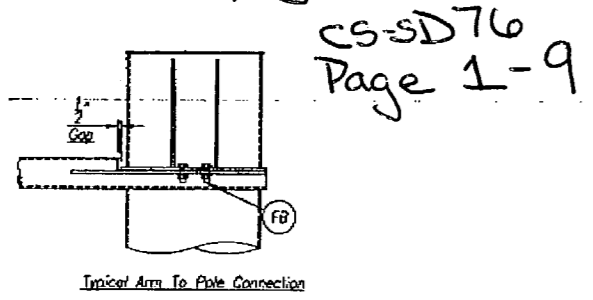
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: RCS Date: 11/5/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 11/12/09

RELEASE FOR CONSTRUCTION  
 [Signature] 12/2/09  
 Signature Date

Note: Top Of Footing Elevations, High Point Of Roadway Elevation, Bottom Of Baseplate To Center Of Truss Dimensions & Span Length Are Per Contract Plans & Are To Be Verified By Contractor.



NOTES:  
 ■ Truss Section MK No's. Are Stamped On The Top Of The Bottom Front Flange.

PAY ITEM:  
 1 ~ Item No. 700-44-94 Overhead Span Sign Structure Sign # 1

PRINTS ISSUED				REVISIONS			
FOR	NO.	DATE	FOR	NO.	DATE	NO.	DESCRIPTION

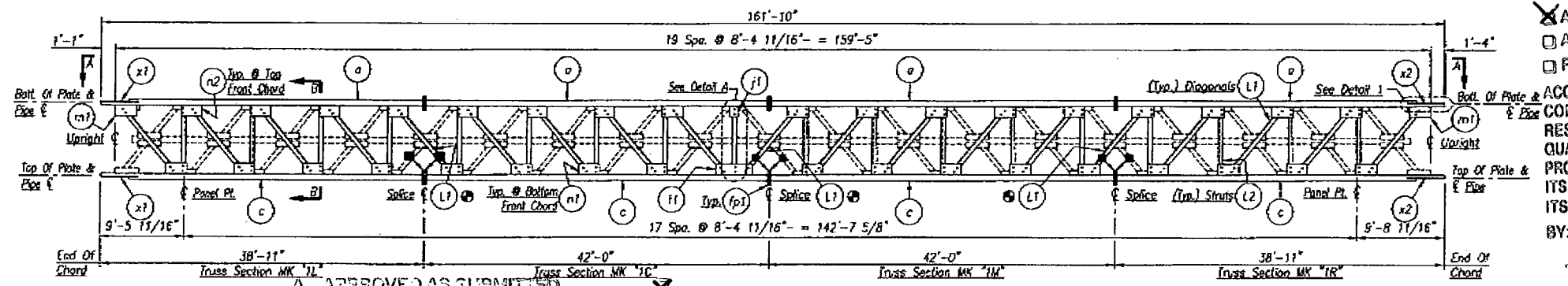
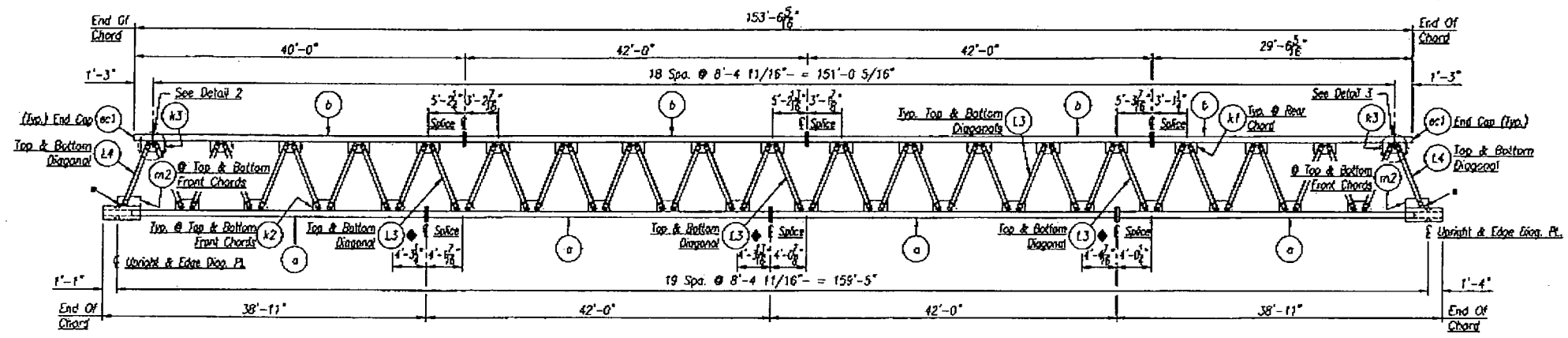
**Brookfield Fabricating Corp**  
 P.O. Box 406 - Brookfield, Missouri 64628 - (660)258-2214

Customer: Highway Safety Devices, Inc.  
 Project: 420805-1-52-01 SP 93 (I-75)  
 Collier/Lee Co., FL

Description: Erection Details Of Truss Structure Sign # 1

Sheet No. 1 OF 5

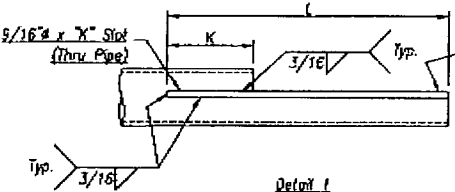
Drawn By: JH	Scale: 13-13-09	Checked By: DR	Date: 10-27-09	Job No.: FL-31654	Rev.:
--------------	-----------------	----------------	----------------	-------------------	-------



- A. APPROVED AS SUBMITTED  
 B. APPROVED AS NOTED  
 C. REVISE AND RESUBMIT  
 D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or court responsibility for any error or deviation from contract documents.

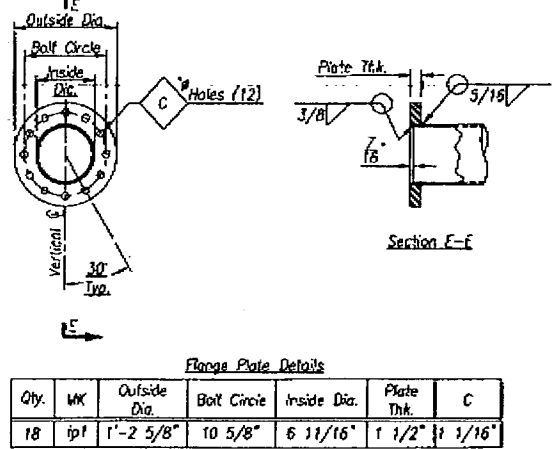
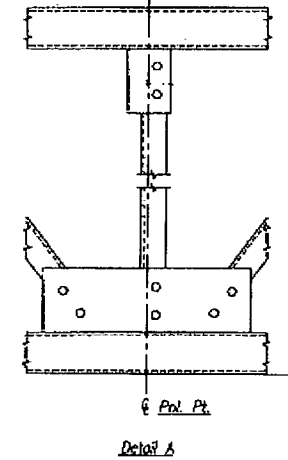
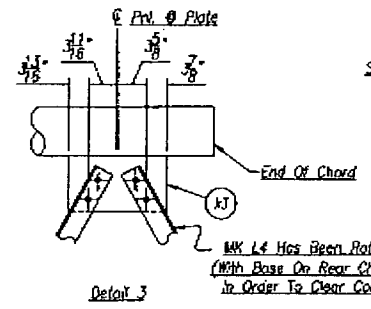
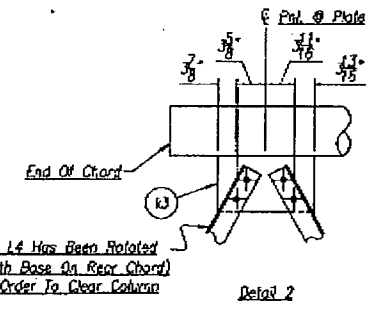
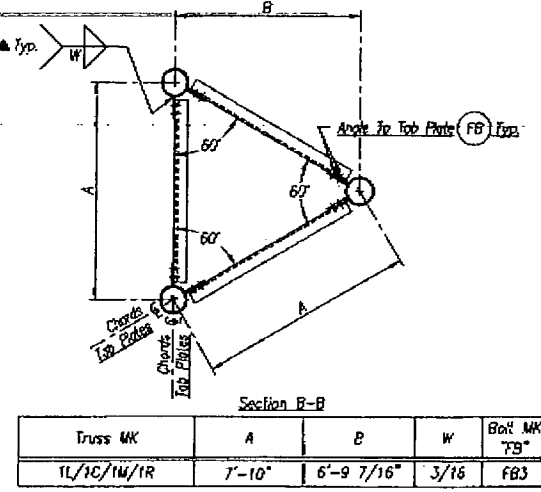
FOR ENGINEERING, INC.  
 RCS Date 11/5/09  
 Shop Drawing Reference No.



Truss MK	K	L	Plate MK	No.
1L	9 15/16"	3'-0 7/16"	x1	
1R	9 15/16"	3'-6 7/16"	x2	

Comber Layout For Shop

Truss MK	Span	Min. Camber
1L/1C/1M/1R	159'-5"	3 3/4"



I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
**Highway Safety Devices, Inc.**  
 Approved for Submission  
 Date: 11/22/09  
 BY: [Signature] DATE: 11/12/09  
 CS-SD 76  
 PAGE 2-9

### Bill Of Material

Qty.	MK	Description	Length	Remarks
1	11a	6.625" O.D. v. 4.32" W. Pipe	38'-10 3/16"	
1	11b	do	38'-11 4/16"	
1	11c	do	38'-10 8/16"	
1	10a	do	41'-11 1/8"	
1	10c	do	41'-11 1/8"	
1	10e	do	41'-11 1/8"	
1	10f	do	41'-11 1/8"	
1	10g	do	41'-11 1/8"	
1	10h	do	41'-11 1/8"	
1	10i	do	38'-10 9/16"	
1	10j	do	29'-5 7/8"	
1	10k	do	38'-10 9/16"	
18	1P1	PL 1 1/2" x 1'-2 5/8" Dia.	---	
108	1P3	1" x 4 3/4" Lg. N.S. Hex Bolt & Lock Nut W/1-Flat Wa. (A325, Type 1 Galv.)	---	

- NOTE: For Angle Braces, Connection Hardware, Top Plates, Endcaps, & Arm To Pole Conn. Plates See Sheet No. 4 Of 5.
- One Top & Bottom Angle To Be Shipped Loose & Field Installed if Shipped in Sections.
  - One Angle To Be Shipped Loose & Field Installed if Shipped in Sections.
  - Cut Outstanding Leg Of Angle About 45° To Clear Truss To Endframe Conn. Plates & Conn. Bolts.
  - Stamp Truss Section MK No.'s On The Top Of The Bottom Front Flange Plates.
  - Do Not Provide Returns On Indicated Fillet Weeds.
- MATERIAL SPECIFICATIONS:  
 Steel Chord Pipe To Be A.S.T.M. A500 Gr. B Or API 5L X 42 (42 KSI)  
 Steel Plate & Angle To Be A.S.T.M. A709 Gr. 50  
 All Steel To Be Galvanized Per A.S.T.M. A123  
 Flange Bolts (Complete With Self Locking Nuts & Washers) Shall Be Of Steel Conforming To A.S.T.M. A325 Type 1 Galvanized Hardware Per A.S.T.M. F2329  
 Weld Metal E70XX

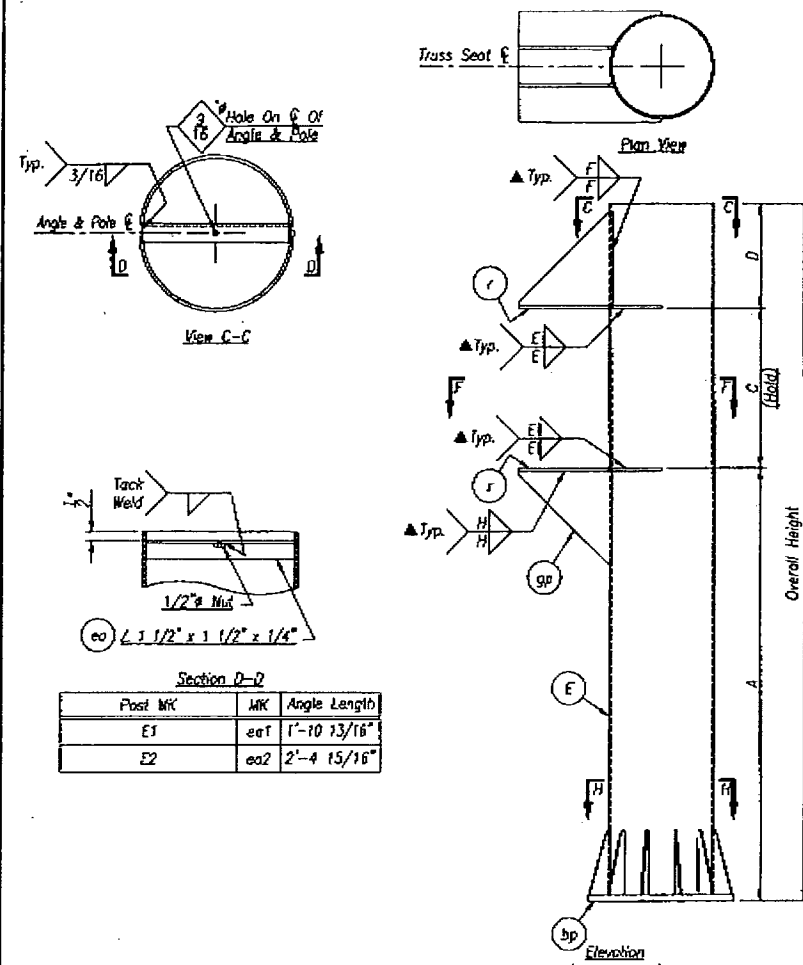
**Brookfield Fabricating Corp**  
 P.O. Box 406 - Brookfield, Missouri 64620 - (650)298-2214

Customer: Highway Safety Devices, Inc.  
 Project: 420255-1-52-C1 SR 95 (I-75) Collier/Lee Co., FL  
 Description: Fabrication Details Of Truss Sections For Spg # 1

PRINTS ISSUED: FOR NO. DATE FOR NO. DATE FOR NO. DATE FOR NO. DATE FOR NO. DATE  
 REVISIONS: NO. DATE DESCRIPTION

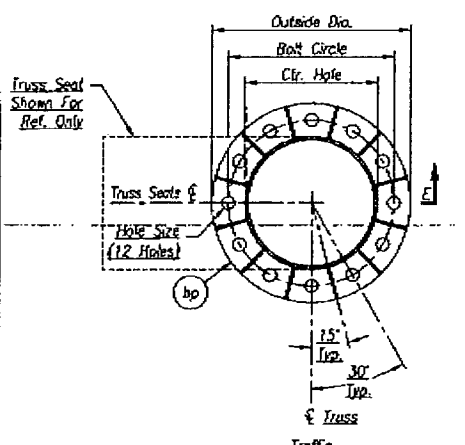
Sheet No. 2 Of 5

RELEASE FOR CONSTRUCTION  
 12/2/09  
 [Signature]



Post MK	MK	Angle Length
E1	ea1	1'-10 73/16"
E2	ea2	2'-4 15/16"

Qty.	MK	Station	Pipe Size	Overall Height	Dim. "A"	Dim. "C"	Dim. "D"	Pc. MK	Pc. MK	Pc. MK	E	F	H
1	E1	21472.24	24" O.D. x .562" W. Pipe	32'-1 11/16"	22'-0 3/8"	7'-11 1/4"	2'-2 1/16"	r1	gp1	bp1	1/4	1/4	3/16
1	E2		30" O.D. x .560" W. Pipe	34'-0 5/8"	23'-11 3/8"	7'-11 1/4"	2'-2"	r2	gp2	bp2	3/16	3/16	3/16

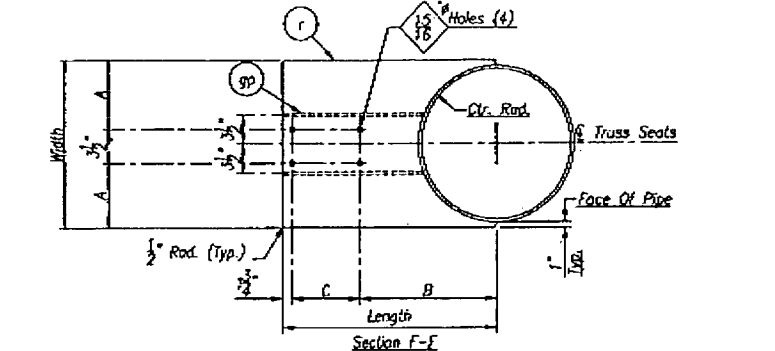


Qty.	MK	Plate Thk.	Ctr. Hole	Bolt Circle	Outside Dia.	Hole Size
1	bp1	1 1/2"	24 1/8"	2'-6"	3'-0"	2 1/2"
1	bp2	1 3/4"	30 1/8"	3'-0"	3'-6"	2 3/4"

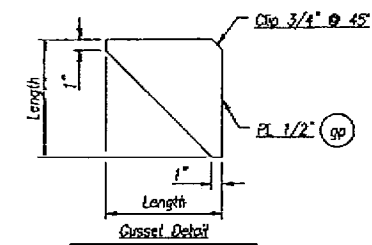
- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

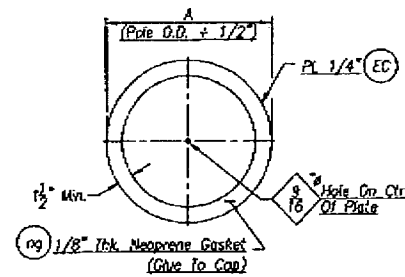
By: RCS Date: 11/5/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



Qty.	MK	Plate Thk.	Ctr. Rod.	Length	Width	A	B	C	Gusset MK
2	r1	1/2"	12 1/16"	3'-0 1/8"	2'-2"	11 1/4"	2'-0 1/4"	10 1/8"	gp1
2	r2	1/2"	15 1/16"	3'-3 1/8"	2'-8"	1'-2 1/4"	2'-3 1/4"	10 1/8"	gp2



Qty.	MK	Length
4	gp1	2'-0 9/16"
4	gp2	2'-0 1/2"



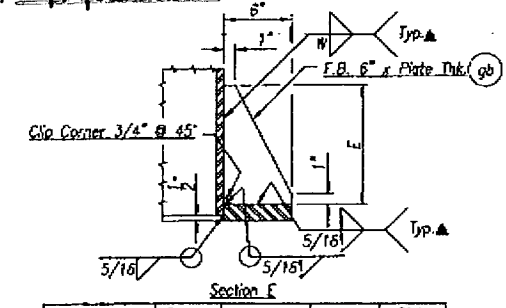
Qty.	MK	A	Post MK
1	EC2	2'-0 1/2"	E1
1	EC3	2'-6 1/2"	E2

I-75 DBF ACC/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 11/2/09

CS-SD76  
 PAGE 3-9



Post MK	Gusset MK	E	W	Plate Thk.
E1	gp1	1'-6"	1/4	3/8"
E2	gp2	2'-3"	3/16	1/2"

### Bill Of Material

Qty.	MK	Description	Length	Remarks
1	E1	24" O.D. x .562" W. Pipe	32'-1 3/16"	
1	E2	30" O.D. x .560" W. Pipe	34'-0 1/8"	
1	EC2	PL 1/4" x 2'-0 1/2" Dia.	-	
1	EC3	PL 1/4" x 2'-6 1/2" Dia.	-	
1	ea1	2 1 1/2" x 1 1/2" x 1/4"	1'-10 13/16"	
1	ea2	do	2'-4 15/16"	
2	r1	PL 1/2" x 26"	3'-0 1/8"	
2	r2	PL 1/2" x 32"	3'-3 1/8"	
4	gp1	PL 1/2" x 24 9/16"	2'-0 9/16"	
4	gp2	PL 1/2" x 24 1/2"	2'-0 1/2"	
12	gb1	F.B. 6" x 3/8"	1'-6"	
12	gb2	F.B. 6" x 1/2"	2'-3"	
1	bp1	PL 1 1/2" x 3'-0" Dia.	-	
1	bp2	PL 1 3/4" x 3'-5" Dia.	-	
1	ng2	1/8" Thk. Neoprene Gasket	See Table	See Detail Shop Due To P.C. MK "E1"
1	ng3	do	See Table	See Detail Shop Due To P.C. MK "E2"
2	End Cap Rod	1/2" x 1 3/4" Galv. Hex Bolt & Nut W/1" Rubber Washer (A307 Galv.)		

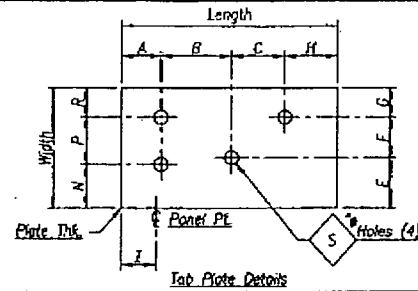
Highway Safety Devices, Inc.  
 Approved for Submission  
 Date: 10/22/09  
 By: [Signature]

RELEASE FOR CONSTRUCTION  
[Signature]  
 Date: 12/2/09

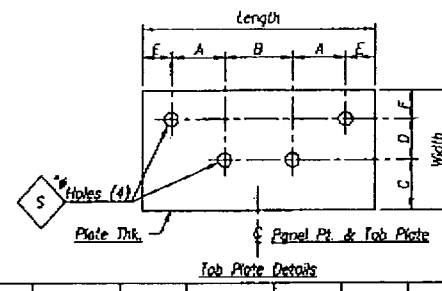
NOTES:  
 Do Not Provide Returns On Indicated Fillet Welds.  
 MATERIAL SPECIFICATIONS:  
 Steel Plate Pipe Shall Have 42 KSI Min. Yield - APT 5L X42 Gr.  
 A.S.T.M. A500 Gr. B  
 All Other Steel Shall Be A.S.T.M. A709 Gr. 36  
 All Steel To Be Galvanized Per A.S.T.M. A123  
 All Hardware Shall Be A.S.T.M. A307 Gr. A  
 Galvanize Hardware Per A.S.T.M. F2329  
 Weld Metal E70XX

PRINTS ISSUED				REVISIONS				
FOR	NO.	DATE	FOR	NO.	DATE	NO.	DATE	DESCRIPTION

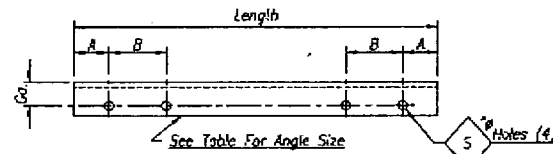
Customer: Highway Safety Devices, Inc.  
 Project: 420R05-1-52-01 SR 93 (I-75)  
 Designer: Collier/Lee Co., FL  
 Fabrication Details Of Overhead Truss Columns For Sign # 1  
 Sheet No. 3 OF 5  
 Printed For: [Blank] Drawn By: [Blank] Date: 10-15-09  
 Checked By: [Blank] Date: 10-21-09  
 Job No. FL-11654



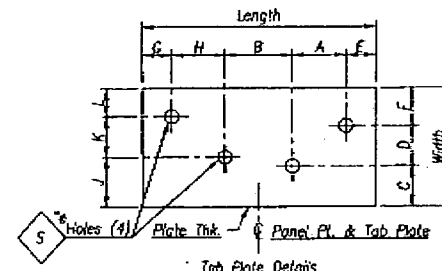
Qty.	MK	Length	Width	A	B	C	E	F	G	H	I	S	N	P	R	Plate Thk.
17	n1	1'-2 3/4"	7"	3"	7"	2 3/16"	2 5/8"	2 1/16"	2 5/16"	2 9/16"	1 5/8"	15/16"	2"	3"	2"	3/8"
17	n2	1'-2 3/4"	7"	2"	6 1/2"	2 3/16"	3 3/8"	2 1/16"	1 9/16"	4 1/16"	3 3/8"	15/16"	2"	3"	2"	3/8"



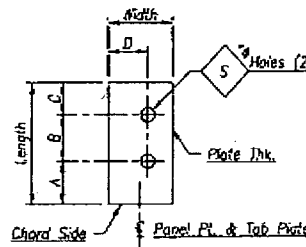
Qty.	MK	Length	Width	A	B	C	D	E	F	S	Plate Thk.
34	k1	1'-3"	8"	1 3/8"	4 5/8"	3"	2 5/8"	3 13/16"	2 3/8"	15/16"	3/8"
36	k2	1'-3 1/8"	7"	1 3/8"	9 3/8"	2 9/16"	2 5/8"	1 1/2"	1 11/16"	15/16"	3/8"



Qty.	MK	Length	A	B	S	Go.	Angle Size
19	L1	10'-2 1/8"	1 1/2"	3"	15/16"	2 1/2"	∠ 4" x 4" x 3/8"
18	L2	7'-2 3/8"	1 1/2"	3"	15/16"	2 1/2"	do
72	L3	7'-11 5/8"	1 1/2"	3"	15/16"	2 1/2"	do
4	L4	7'-7 15/16"	1 1/2"	3"	15/16"	2 1/2"	do



Qty.	MK	Length	Width	A	B	C	D	E	F	G	H	J	K	L	S	Plate Thk.
4	k3	1'-3"	8"	1 3/8"	4 5/8"	3"	2 5/8"	3 13/16"	2 3/8"	3 1/8"	1 5/16"	3"	2 11/16"	2 5/16"	15/16"	3/8"



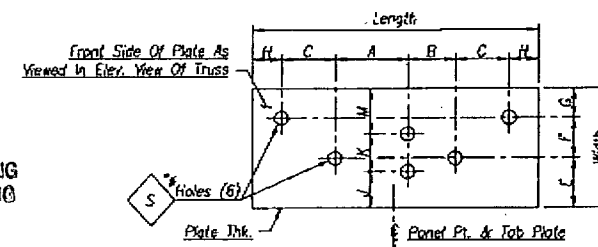
Qty.	MK	Length	Width	A	B	C	D	S	Plate Thk.
1	j1	7"	6 3/4"	2"	3"	2"	4 3/4"	15/16"	3/8"

I-75 DBF ACCI/API, a Joint Venture

APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

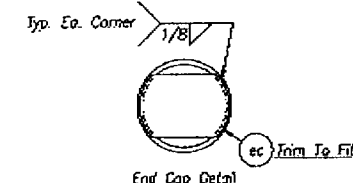
ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 11/12/09

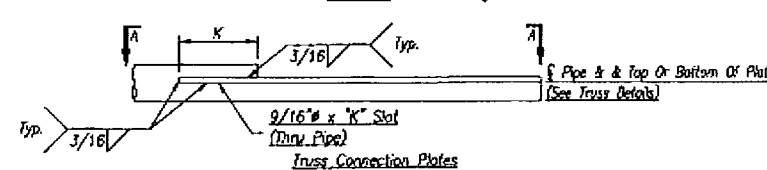
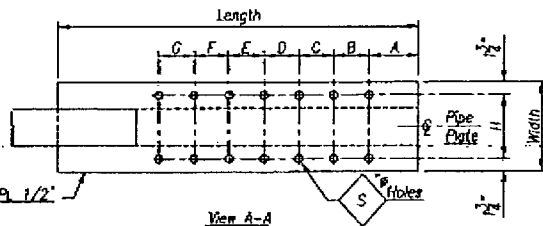


Qty.	MK	Length	Width	A	B	C	E	F	G	H	J	K	M	S	Plate Thk.
1	k1	2'-0 1/8"	7"	9 3/4"	7"	2 3/16"	2 5/8"	2 1/16"	2 5/16"	1 1/2"	2"	3"	2"	15/16"	3/8"

Highway Safety Devices, Inc.  
 Approved for Submission  
 Date: 10/22/09  
 By: *[Signature]*



Qty.	MK	Flat Bar Size	Chord Size
2	ec1	F.B. 3 5/16" x 1/4" x 6 3/8"	6.625" O.D.



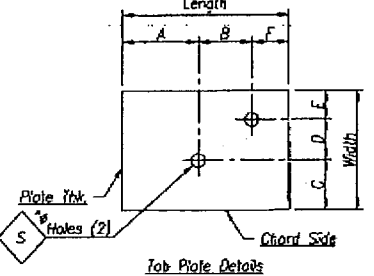
Qty.	MK	Length	Width	A	B	C	D	E	F	G	H	K	S
2	x1	3'-0 7/16"	1'-1 5/8"	11 1/4"	3 1/2"	-	-	-	-	-	10 1/8"	9 15/16"	15/16"
2	x2	3'-6 7/16"	1'-1 5/8"	1'-2 1/4"	3 1/2"	-	-	-	-	-	10 1/8"	9 15/16"	15/16"

CS-SD76  
 PAGE 4-9  
 A. APPROVED AS SUBMITTED   
 B. APPROVED AS NOTED   
 C. REVISE AND RESUBMIT   
 D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

MOR ENGINEERING, INC.  
 By: *[Signature]* Date: 11/15/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
*[Signature]*  
 Date: 12/2/07



Qty.	MK	Length	Width	A	B	C	D	E	F	S	Plate Thk.
2	m1	9"	7"	5 1/8"	2 3/16"	3 3/8"	2 1/16"	1 9/16"	1 11/16"	15/16"	3/8"
4	m2	1'-0 3/4"	10"	9"	1 5/16"	4 1/2"	2 11/16"	2 13/16"	2 7/16"	15/16"	3/8"

MATERIAL SPECIFICATIONS:  
 Steel Plate & Angle To Be A.S.T.M. A709 Gr. 36  
 All Steel To Be Galvanized Per A.S.T.M. A123  
 All Bolts (Excludes 4 1/2" Self Locking Nuts & Washers)  
 Shall Be Of Steel Conforming To A.S.T.M. A325, Type 1  
 Galvanize Hardware Per A.S.T.M. F2329  
 Weld Metal E70XX

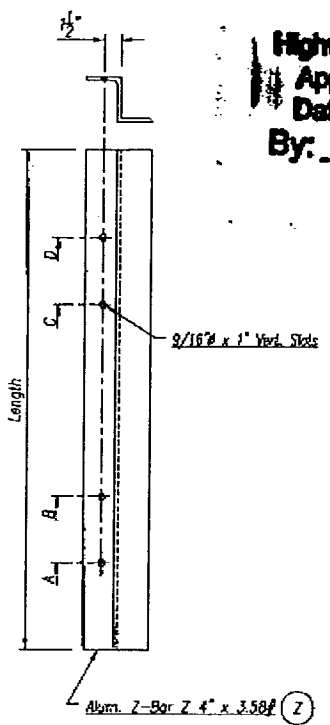
PRINTS ISSUED				REVISIONS			
FOR	NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION	

**Brookfield Fabricating Corp**  
 P.O. Box 405 - Brookfield, Missouri 64628 - (660)258-2214

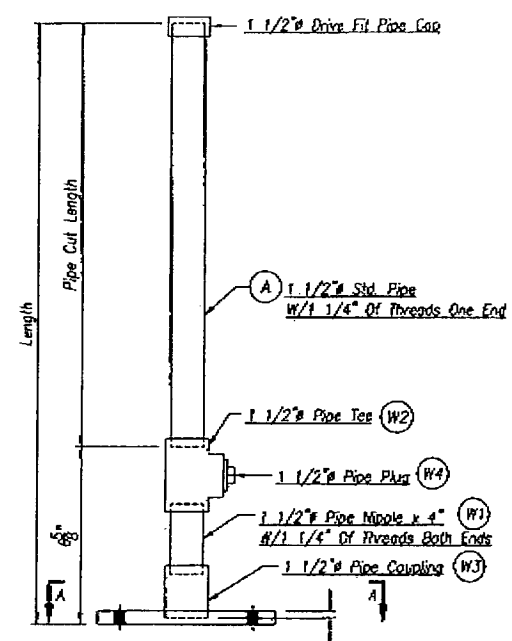
Customer: Highway Safety Devices, Inc.  
 Project: 420855-1-12-01 SR 93 (I-75)  
 Collier/Lee Co. FL

Inspector: Fabrication Details Of Angle Braces, Tab Plates, End Caps, Arm Connection Plates, & Misc. Hardware  
 Sheet No. 4 OF 5

Printed For: Florida  
 Drawn By: JH  
 Date: 10-13-09  
 Checked By: CR  
 Date: 10-21-09  
 Job No.: FL-11654

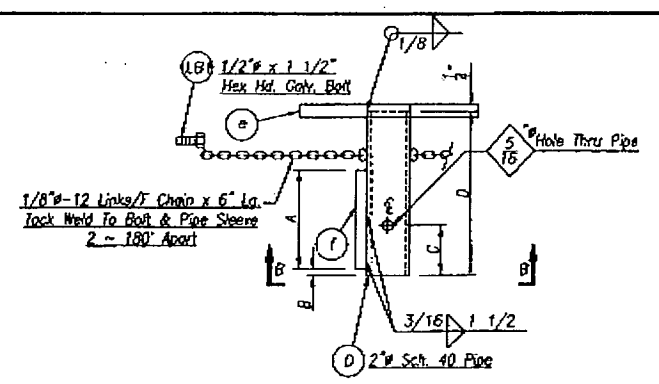


Highway Safety Devices, Inc.  
 Approved for Submission  
 Date: 10/22/09  
 By: [Signature]



Upper Half Luminaire Support

Qty.	MK	Length	Pipe Cut Length
4	1A	7'-8 11/16"	7'-2 1/16"



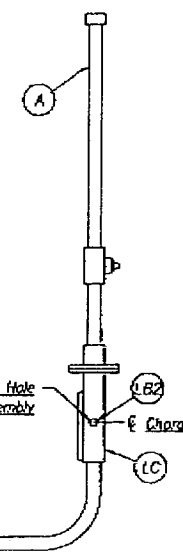
Detail Pc. MK 2C"

Qty.	MK	A	B	C	D	Pc. MK "D"	Pc. MK "Y"
4	LC1	9 1/8"	1/4"	4 13/16"	1'-0 3/16"	D1	F1

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: RCS Date: 11/5/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

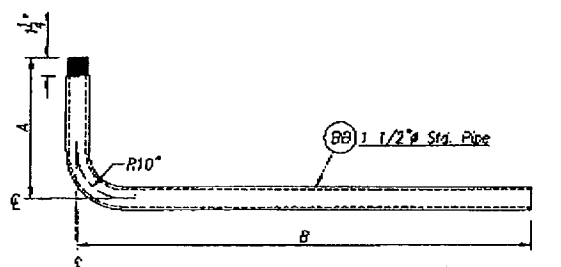


Shop Assembled Luminaire Brackets

Qty.	MK	Pc. MK "A"	Pc. MK "BB"	Pc. MK "LC"
2	V1	1A	BB1	LC1
2	V2	1A	BB2	LC1

### Bill Of Material

Qty.	MK	Description	Length	Remarks
2	Z1	Z 4" x 3.58#	8'-6 1/4"	Aluminum
3	Z2	do	3'-2"	do
4	D1	2" Std. Pipe	1'-0 3/16"	2.375" x .154" W. St. Pipe
2	BB1	1 1/2" Std. Pipe	6'-1"	1.907" x .145" W. St. Pipe
2	BB2	do	6'-8 3/15"	do
4	1A	do	7'-2 1/16"	do
4	W1	1 1/2" Galv. Steel Pipe Tee	4" Long	
4	W2	1 1/2" Galv. Steel Pipe Tee		
4	W3	1 1/2" (Black) Steel Pipe Coupling		
4	W4	1 1/2" Galv. Drive Fit Pipe Caps		
4	W4	1 1/2" Galv. Pipe Plug		
16	S1	1/2" Std. Pipe	0'-2"	Ship Loose
4	e	F.B. 1/2" x 6" Dia.		
4	f	F.B. 5" x 3/8"	0'-9 1/8"	
8	GT	F.B. 4 3/4" x 1/4"	0'-8 1/8"	Steel
10	U1	1/2" Galv. U-Bolt W/2 Hex Nuts, 2 Flat Washers & 2 Lock Washers		
16	U2	1/2" Galv. U-Bolt W/2 Locknuts & 2 Flat Washers		
8	LB1	1/2" x 1 1/2" Galv. Hex Head Bolt W/1 Lock Washer		(A307)
8		1/8" - 12 Links/F Chain x 6" Lg.		(Galv.)
4	LB2	1/4" x 3 1/4" Galv. Hex Head Bolt, W/2 Curved Washers & 1 Locknut		(A307)
10	H1	1/16" Thick Chloroprene Gasket	0'-8 3/4"	

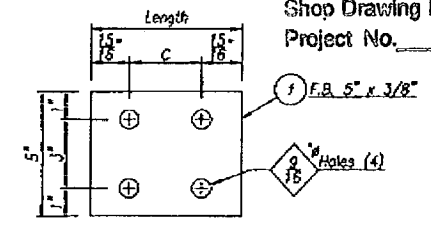
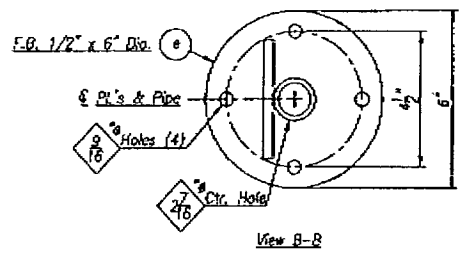
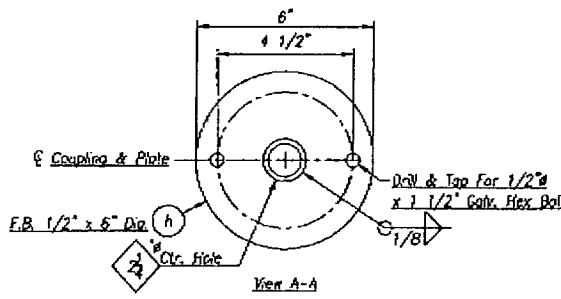


Lower Light Support Bracket

Qty.	MK	A	B	Pipe Cut Length
2	BB1	1'-11 9/16"	4'-5 3/4"	6'-1"
2	BB2	2'-6 3/4"	4'-5 3/4"	6'-8 3/16"

Sign Support Bracket

Qty.	MK	Length	A	B	C	D
2	Z1	8'-8 1/4"	0'-1 1/2"	0'-8 3/4"	7'-11 1/2"	8'-6 3/4"
3	Z2	3'-2"	0'-6 3/8"	1'-1 5/8"	8'-4 3/8"	8'-11 5/8"



Detail Pc. "f"

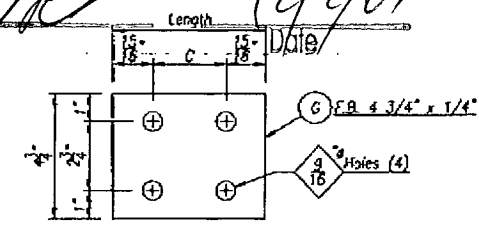
Qty.	MK	Length	C
4	f1	9 1/8"	7 1/4"

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

By: [Signature] DATE: 11/2/09  
 CS-SD 16  
 PAGE 5-9

RELEASE FOR CONSTRUCTION  
 Signature: [Signature] Date: 12/2/09



Detail Pc. "g"

Qty.	MK	Length	C
8	G1	9 1/8"	7 1/4"

Note: See Bill Of Material For Hardware To Be Furnished

U-Bolt Detail

Qty.	MK	Length	A	B	C	Rod Dia.	Ins. Rod.	Remarks
10	U1	1'-9 1/4"	7 1/4"	4 15/16"	2"	1/2"	3 3/8"	For Sign Support ~ 6 5/8" Chords
16	U2	2'-1 1/4"	7 1/4"	6 15/16"	2"	1/2"	3 3/8"	For Light Support ~ 6 5/8" Chords

1/16" Thick Chloroprene Gasket

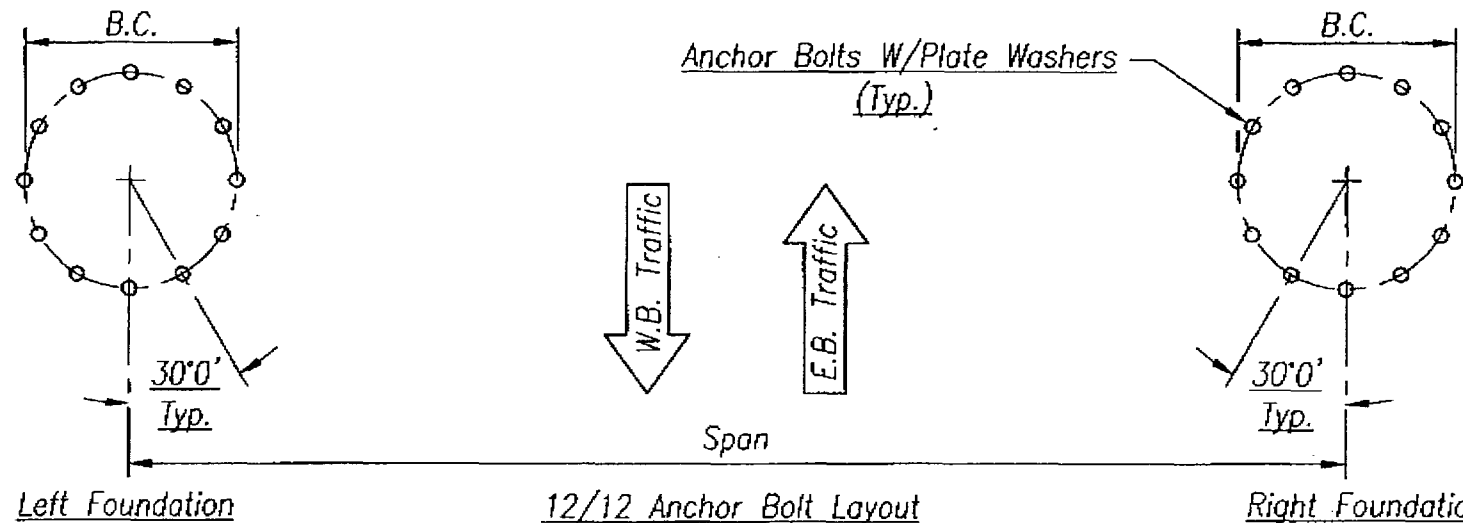
Qty.	MK	Length	C
10	H1	8 3/4"	7 1/4"

MATERIAL SPECIFICATIONS:  
 Steel Pipe To Be A.S.T.M. A51 Gr. A Or B  
 Steel Plate To Be A.S.T.M. A709, Gr. 35  
 Steel To Be Galvanized Per A.S.T.M. A123  
 Aluminum Shapes To Be A.S.T.M. B221, 8061-T6  
 Bolts, Nuts & Washers Shall Be Of Steel Conforming To A.S.T.M. A307, Gr. A  
 Hardware To Be Galvanized Per A.S.T.M. F2523  
 Weld Metal F70XX

PRINTS ISSUED				REVISIONS				
FOR	NO.	DATE	FOR	NO.	DATE	NO.	DATE	DESCRIPTION

Brookfield Fabricating Corp  
 P.O. Box 406 - Brookfield, Missouri 64628 - (660)258-2214

Customer	Highway Safety Devices, Inc.
Project	420853-1-57-01 SR 93 (0-75) Coker/Lee Co. FL
Description	Fabrication Details Of Sign Supports, Light Supports, U-Bolts, & Misc. Hardware
Printed For	Florida
Drawn By	JH
Date	10-13-09
Checked By	CR
Date	10-21-09
Job No.	FL-11654
Sheet No.	3 OF 3



Highway Safety Devices, Inc.  
 Approved for Submission  
 Date: 10/22/09  
 By: [Signature]

Left Anchor Bolt MK	Right Anchor Bolt MK	Left Plate Wa. MK	Right Plate Wa. MK	Left Thrd. Dia.	Right Thrd. Dia.	Span	Sign No.	Left B.C.	Right B.C.	Left Setting Template MK	Right Setting Template MK
AB1	AB2	W1	W2	2"	2 1/4"	159'-5"	1	30"	36"	T1	T2

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED     AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED     REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature]    DATE: 11/12/09

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

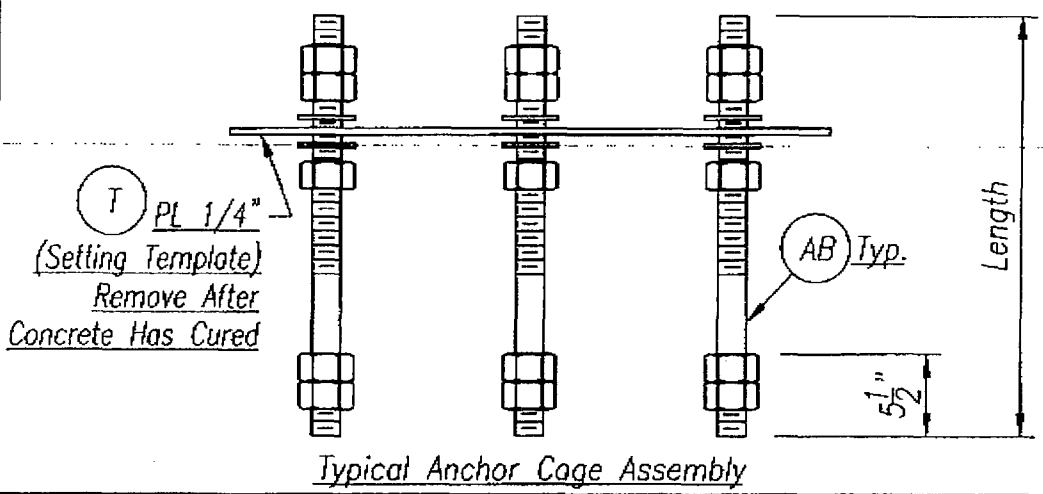
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

RELEASE FOR CONSTRUCTION

[Signature]    12/2/09  
 Signature    Date

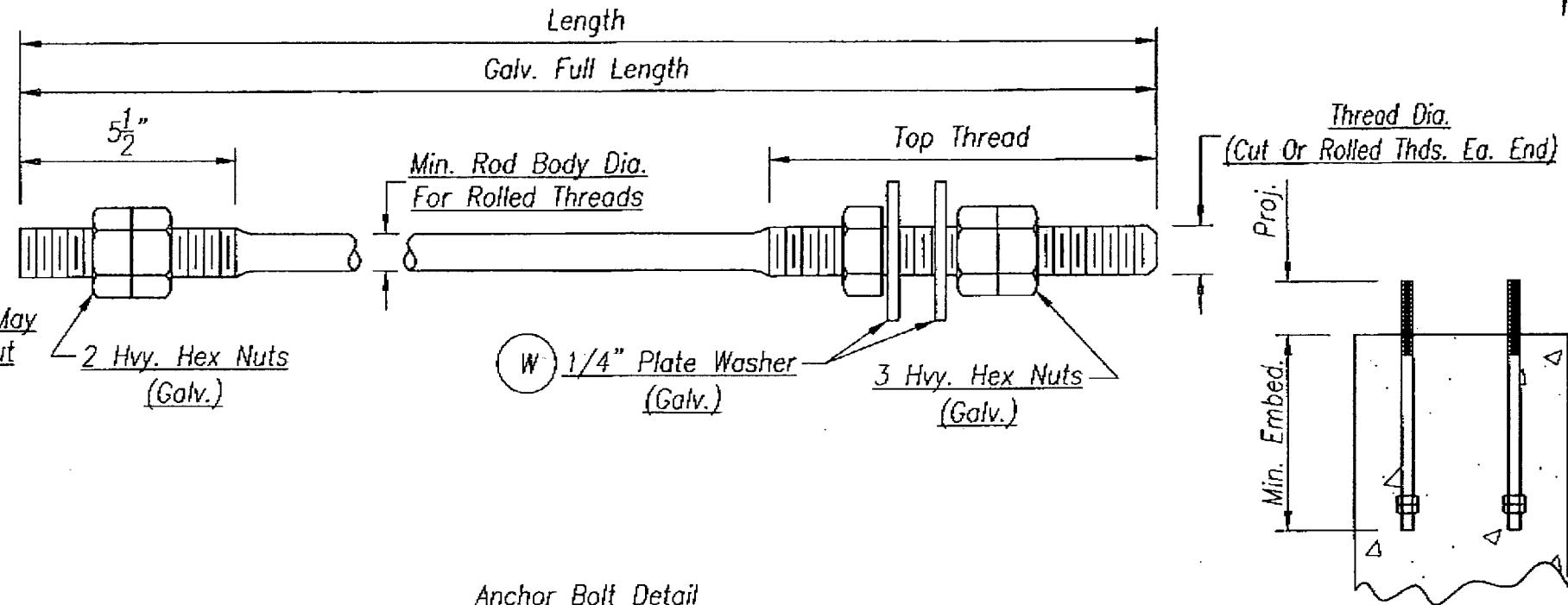
WDR ENGINEERING, INC.  
 By: RCS    Date: 11/5/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

CS-SD-76 PAGE 6-9



<b>Brookfield Fabricating Corp.</b>							
P.O. Box 406 - Brookfield, Missouri 64628 - (660)258-2214							
Customer: Highway Safety Devices, Inc.							
Project: 420655-1-52-01 SR 93 (I-75) Collier/Lee Co., FL							
Description: Details Of Anchor Bolt Layouts For Truss Sign # 1							
Printed For:	Drwn By:	Date:	Chk. By:	Date:	Job No:	Part:	Sheet No:
Florida	JH	10-12-09	CR JW	10-21-09	FL-11654		1 Of 4

Highway Safety Devices, Inc.  
 Approved for Submission  
 Date: 10/22/09  
 By: [Signature]



NOTE: Full Body Diameter Rod May Be Used For Rolled Or Cut Threads

Anchor Bolt Detail

Qty.	MK	Length	Thread Dia.	Rod Body Dia.	Sign No.	Plate Wa. MK	Top Thread	Proj.	Min. Embed.
12	AB1	7'-2"	2"	1.8433"	1 (Left End Column)	W1	1'-1"	11 3/4"	6'-2"
12	AB2	6'-9"	2 1/4"	2.0931"	1 (Right End Column)	W2	1'-2"	12 1/4"	5'-8"

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: RCS Date: 11/5/09  
 Shop Drawing Reference No. \_\_\_\_\_

MATERIAL SPECIFICATIONS:  
 Steel Plate: A.S.T.M. A709, Gr. 36  
 Galvanize Steel Per A.S.T.M. A123  
 Steel Anchor Rod: A.S.T.M. F1554, Gr. 55  
 Heavy Structural Steel Nuts: A.S.T.M. A563, Gr. A Hvy. Hex  
 Galvanize Hardware Per A.S.T.M. F2329

RELEASE FOR CONSTRUCTION  
 [Signature] Date: 12/2/09

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS. SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 11/12/09

CS-SD76 PAGE 7-9

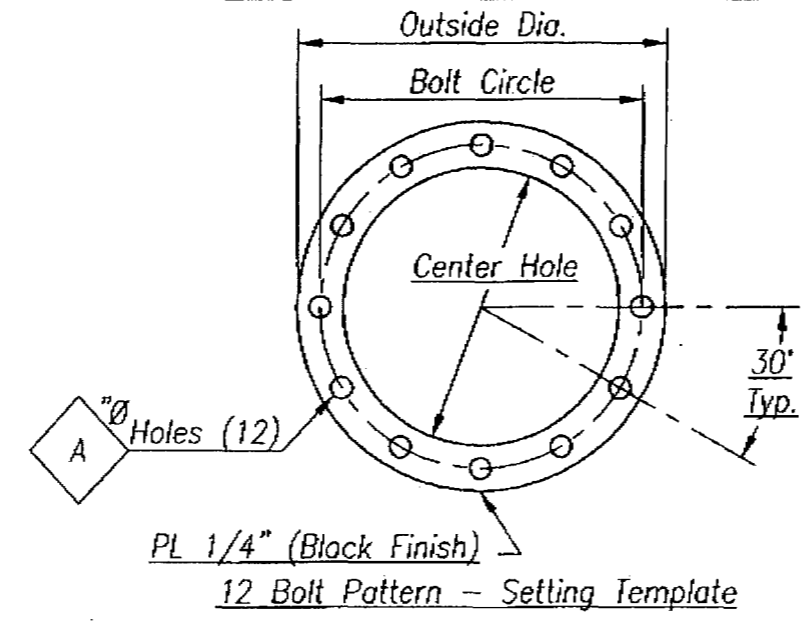
**Brookfield Fabricating Corp.**  
 P.O. Box 406 - Brookfield, Missouri 64628 - (660)258-2214

Customer: Highway Safety Devices, Inc.  
 Project: 420655-1-52-01 SR 93 (I-75)  
 Collier/Lee Co., FL  
 Description: Fabrication Details Of Anchor Bolts

Printed For: Florida	Drwn By: JH	Date: 10-12-09	Chk. By: CR	Date: 10-21-09	Job No: FL-11654	Part:	Sheet No: 2 Of 4
----------------------	-------------	----------------	-------------	----------------	------------------	-------	------------------



Highway Safety Devices, Inc.  
 Approved for Submission  
 Date: 10/22/09  
 By: [Signature]



**12 Bolt Pattern - Setting Template**

Qty.	MK	Outside Dia.	Bolt Circle	Center Hole	A
1	T1	2'-10"	30"	2'-2"	2 1/16"
1	T2	3'-4 1/2"	36"	2'-7 1/2"	2 5/16"

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED     AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED     REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature]    DATE: 11/12/09

**RELEASE FOR CONSTRUCTION**  
[Signature]  
 Signature    12/2/09  
 Date

CS-5D76 PAGE 8-9

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: RCS    Date: 11/5/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

<b>Brookfield Fabricating Corp.</b>							
P.O. Box 406 - Brookfield, Missouri 64628 - (660)258-2214							
Customer: Highway Safety Devices, Inc.							
Project: 420655-1-52-01 SR 93 (I-75) Collier/Lee Co., FL							
Description: Fabrication Details Of Anchor Bolt Setting Templates							
Printed For:	Drwn By:	Date:	Chk. By:	Date:	Job No:	Part:	Sheet No:
Florida	JH	10-12-09	CR JW	10-21-09	FL-11654		3 Of 4

Highway Safety Devices, Inc.  
 Approved for Submission  
 Date: 10/22/09  
 By:

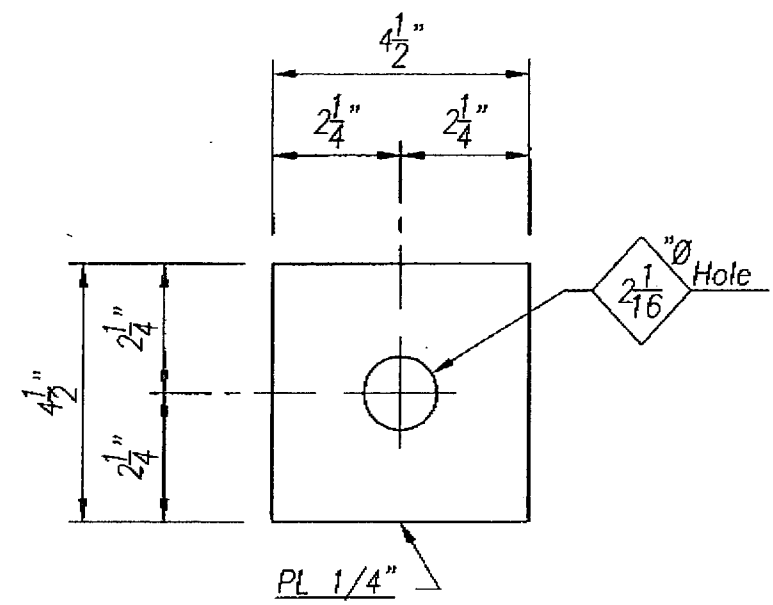


Plate Washer Detail MK "W1"  
 24 - Req'd.

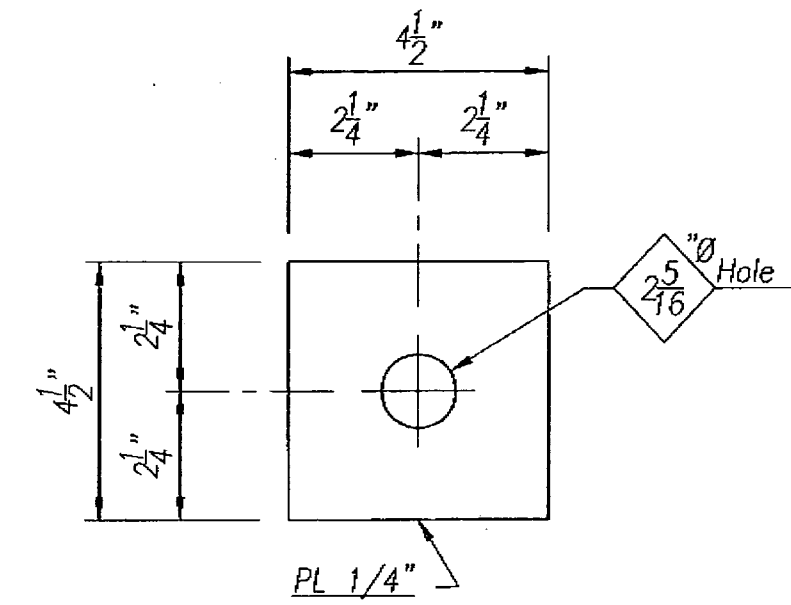


Plate Washer Detail MK "W2"  
 24 - Req'd.

I-75 DBF ACC/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: DATE: 11/12/09  
 CS-SD 76 PAGE 9-9

RELEASE FOR CONSTRUCTION  
 12/2/09  
 Signature Date

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: RCS Date: 11/5/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

P.O. Box 406 - Brookfield, Missouri 64628 - (660)258-2214							
Customer: Highway Safety Devices, Inc.							
Project: 420655-1-52-01 SR 93 (I-75) Collier/Lee Co., FL							
Description: Fabrication Details Of Plate Washers							
Printed For:	Drwn By:	Date:	Chk. By:	Date:	Job No:	Part:	Sheet No:
Florida	JH	10-12-09	CR	10-21-09	FL-11654		4 Of 4

TO FELIPE / 9/22/08 2:10 PM



**ACCI/API, a Joint Venture**  
 12751 Westlinks Drive, Units 1 & 2  
 Fort Myers, FL 33913  
 Tel (239) 313-4600 Fax (239) 561-0739



**TRANSMITTAL**

To: HDR Engineering  
 12751 Westlinks Drive, Unit 1 & 2  
 Fort Myers, FL 33913  
 Date: September 15, 2008

Attn: John Kubler  
 Drainage Engineer  
 Phone: 239-313-4611  
 Fax: 239-561-0739

RE: I-75 Design-Build-Finance Project  
 Contract ID No. E1F59

We are sending you:  Attached  Under separate cover, the following items:

- Plans
- Specifications
- Sublet Certification
- Schedule
- Shop Drawings
- Material Certification
- Samples
- Change Order
- Notice
- Copy of Letter
- Other

No. of Copies	Date	Trans. No.	Description
1	09/12/08	CS-SD68	Mast Arms (No. 2-4) Immokalee Road

**These are transmitted for the purpose checked below:**

- For approval
- Approved as submitted
- Proceed
- For review
- Approved as noted
- Correct and proceed
- For information
- Returned for corrections
- Correct and resubmit
- Other

Remarks: Please review by September 29, 2008.

Signed:



**Transmittal**

Attention: Daniel Ting  
 Date: 9/18/08  
 Job No: 58809

To: ACCI / API, a Joint Venture  
 12751 Westlinks Drive, Units 1 & 2  
 Fort Myers, FL 33913  
 Phone: (239) 313-4611

Regarding: I-75 Design Build Finance  
 From N. of Golden Gate Parkway to South of SR 80  
 FPID 420655-1-52-01  
 Mast Arm Shop Drawings

We are sending you:  Attached  Under separate cover via \_\_\_\_\_ the following items

- Shop drawings
- Prints
- Plans
- Samples
- Specifications
- Copy of letter
- Change Order
- Other

Copies	Date	No.	Description
1		3	Mast Arm Shop Drawings – 50918-B308 Sheet 1 OF 3 – APPROVED AS SUBMITTED Sheet 2 OF 3 – APPROVED AS NOTED Sheet 3 OF 3 – APPROVED AS NOTED

**These are transmitted as checked below:**

- For approval
- Approved as submitted
- Resubmit \_\_\_\_\_ copies for approval
- For your use
- Approved as noted
- Submit \_\_\_\_\_ copies for distribution
- As requested
- Returned for corrections
- Return \_\_\_\_\_ corrected prints
- For review/comment
- Other
- For bids due \_\_\_\_\_
- Prints returned after loan to us

Remarks  
 Copy to File  
 Signed Jos van Dijk

If enclosures are not as noted, please notify us at once

Pole 2, 3 & 4

**General Notes Concerning Union Metal Standardization of Florida Mathcad Extended Flange Traffic Pole Designs**

1. Union Metal's manufacturing standards and material availability often cause us to modify the subject traffic pole designs from the dimensions indicated on the project plans. When modifying a dimension to fit our standards, Union Metal ensures that the poles provided will meet or exceed the sizes specified on the plan sheets. The Florida D.O.T. Structures Design Office has agreed to allow contractors to increase the sizes and dimensions of the bolts, plates and welds provided he submit in writing to District Structures Design his reason for doing so. The following are the guidelines that Union Metal follows in deviating from the dimensions as shown on the project plans. It is hoped that this information will assist you in reviewing our design drawings.

2. Arm connection centerlines are rounded up to the nearest 6 inch increment. Arm lengths are rounded up to the nearest 12 inch increment. Pole diameters are rounded up to the nearest inch and arm tube diameters are rounded up to the nearest 1/2 inch. If the arm diameter is less than 1/8 inch over a 1/2 inch increment, the number is considered to be within tolerance and is rounded down to the nearest 1/2 inch. If the pole diameter is less than 1/8 inch over an inch increment, the number is considered to be within tolerance and is rounded down to the nearest inch.

Examples:

	Diameter on Plan	Diameter on Design Dwg
Arms	12.12	12.0
	12.20	12.5
	12.60	12.5
	12.70	13.0
Poles	16.10	16.0
	16.20	17.0

3. Poles extend 18 inches (min) above the centers of the traffic arm connections. If luminaire arms are provided, the poles extend 18 inches above the centers of the luminaire arm connections.

4. When multiple base and flange designs are indicated for similar pole and arm diameters, the designs are standardized on the largest sizes provided.

5. For twin arm poles, both arms will have the same flange design based on the larger arm. The clearance between twin arm flange assemblies are checked with layout drawings.

6. The following gauge and conversion values are used:

Union Metal Standard wall thickness (inches)	gauge	Metric Equivalent wall thickness (mm)
.1196	11E	3
.1793	7E	4
.188	.188	5
.2500	3E	6
.313	.313	7, 8
.375	.375	9, 10
.5000 (.2500+.2500)	23E	11, 12
.5625 (.3125+.2500)	0+3E	13, 14
.6250 (.3125+.3125)	20E	15, 16

taper  
E = .14in./ft

When any other gauges or thicknesses are specified on the project plans, the next greater thickness from the above standards will be substituted. Tube thicknesses specified over .3125 inch are multiple ply construction.

7. Flange bolt diameters, anchor bolt diameters and plate thicknesses over 5/8 inch are rounded up to the nearest 1/4 inch increment. Plate widths, anchor bolt circles and flange bolt patterns are maintained per the project plans when bolt diameters are increased, unless they are standardized in accordance with note 4. Anchor bolt lengths are standardized and are in accordance with AASHTO requirements.

8. Weld sizes provided are greater than or equal to those in the plans.

9. The Mathcad program defaults to 12 sided 50 KSI tubes. Union Metal provides round tubes of ASTM-A595 Grade A steel (55 KSI yield strength). Poles provided by Union Metal have a higher load capacity than the project plan designs due to the higher yield strength and the lower drag coefficients applied to round tubes.

10. Finish painting procedures are performed as specified in the sales order. When required, detailed finish painting procedures will be submitted under separate cover but will not appear on the design drawings.

11. Pole plate to side gusset plate welds receive U.T. testing when pole plates exceed 1 inch thickness. This specification appears on the sales order but will not appear on the design drawings.

12. None of the changes made will adversely affect the structural integrity or the performance of the traffic poles.

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By M.G. Date 09-18-08

Shop Drawing Reference No. Mast-ADM

Project No. 420655-1-52-01

- APPROVED  AMEND-SEE CHANGES BELOW
- APPROVED AS NOTED  REJECTED
- RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 9/15/08

CS-SD68 PAGE 1-3

MATERIAL SPECIFICATIONS	
MULTI-SIDED TUBES	ASTM A572 GR 50 (MIN)
ROUND TUBES	ASTM A595 GR A
PLATES	ASTM A36
POLE TOP	ASTM A1011 GR 50 (MIN)
NUT COVERS	ASTM B26 (319F)
HANDHOLE FRAME (BAR)	ASTM A529 GR 50 (PREFERRED) or ASTM A572 GR 50 or ASTM A709 GR 50
HANDHOLE COVER	ASTM A1011 GR 50 (MIN)
ARM CONNECTION BOLTS	ASTM A325
ARM CONNECTION NUTS	ASTM A563 GR DH
FLAT WASHERS	ASTM F436
ARM JOINT STUD	ASTM A36
"ANCO" LOCK NUTS	ASTM A563 GR DH
ANCHOR BOLTS	ASTM F1554 GR 55
ANCHOR BOLT NUTS	ASTM A563 GR A
STAINLESS STEEL HARDWARE	AISI-300 SERIES (18-8)
STRUCTURE FINISH	HD GALV TO ASTM A123 & FINISH PAINT
HARDWARE FINISH	HD GALV TO ASTM A153
WELD MATERIAL	E70XX

Highway Safety Devices, Inc.

Approved for Submission

Date: 9/12/08

By: [Signature]

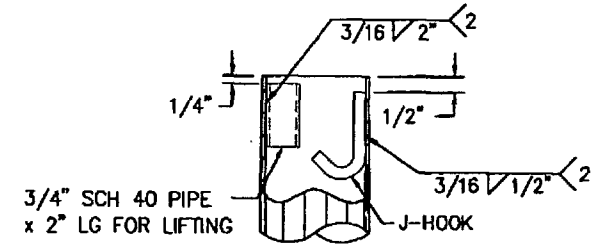
STATE: FLORIDA	REQ# / SO# : FL-25097-1	REV	DESCRIPTION	DATE	REV BY / CHK BY
PROJECT NAME: FDOT #420655-1-52-01		REVISIONS			
<b>TAPERED STEEL TRAFFIC CONTROL STRUCTURES COLLIER COUNTY, FLORIDA</b>					
	This document and the contents herein are proprietary and the property of Union Metal Corporation. This document is not to be copied, reproduced, or used for any reason except for the purposes which it was issued without the express written consent of Union Metal Corporation. Furthermore Union Metal Corporation reserves the right to recall this document and all copies at any time for any reason.	DESIGNED BY JMW	CHECKED BY JLD	DATE 8/28/08	SCALE NTS ENG REF 50918-B241
<b>50918-B308</b>				REVISION <b>RO</b>	SHEET 1 of 3

U.M.C. DESIGN No.	QTY	STRUCTURE NUMBER	POLE TUBE SIZE	ARM MTG HT	ARM SPREAD	ORIENT. FROM HHF	INBOARD ARM TUBE SIZE	FIELD JOINT LENGTH	OUTBOARD ARM TUBE SIZE
50918-B308-Y1	1	2	0.313-27.00x24.06x21'-0"-18	19'-0"	76'-0"	180°	0E-21.00x15.40x40'-0"	2'-6"	7E-16.15x10.76x38'-6"
					61'-0"	83°	0E-20.00x15.38x33'-0"	2'-6"	7E-16.13x11.86x30'-6"
50918-B308-Y2	1	3	0.313-27.00x23.92x22'-0"-18	20'-6"	76'-0"	180°	0E-21.00x15.40x40'-0"	2'-6"	7E-16.15x10.76x38'-6"
					73'-0"	90°	0E-21.00x15.40x40'-0"	2'-6"	7E-16.15x11.18x35'-6"
50918-B308-Y3	1	4	0.313-27.00x24.06x21'-0"-18	19'-6"	78'-0"	180°	0E-21.00x15.40x40'-0"	2'-6"	7E-16.15x10.48x40'-6"
					58'-0"	105°	0E-16.00x12.33x26'-3"	2'-3"	7E-13.04x8.28x34'-0"

Pole 2, 3 & 4

**POLE TUBES:**  
0.313" WALL THICKNESS, 18 SIDED ACROSS FLATS, 0.14 in/ft TAPER

**ARM TUBES:**  
0E = 0.313" WALL THICKNESS, ROUND, 0.14 in/ft TAPER  
7E = 0.179" WALL THICKNESS, ROUND, 0.14 in/ft TAPER



TOP OF POLE DETAIL  
ORIENTATION OF PIPE & J-HOOK AS REQUIRED

2" x 4" ALUM. I.D. TAG WITH  
(4) SELF TAP S.S. #8 x 3/8" SCREWS  
(4) HOLES DRILLED IN ARM (.136" DIA).  
LOCATE AS SHOWN.  
STAMPED WITH THE FOLLOWING:

- U.M.C.
  - COUNTY PROJECT NUMBER
- A. APPROVED DESIGN  
B. APPROVED AS NOTED  
C. REVISE AND RE-DRAW  
D. REJECTED

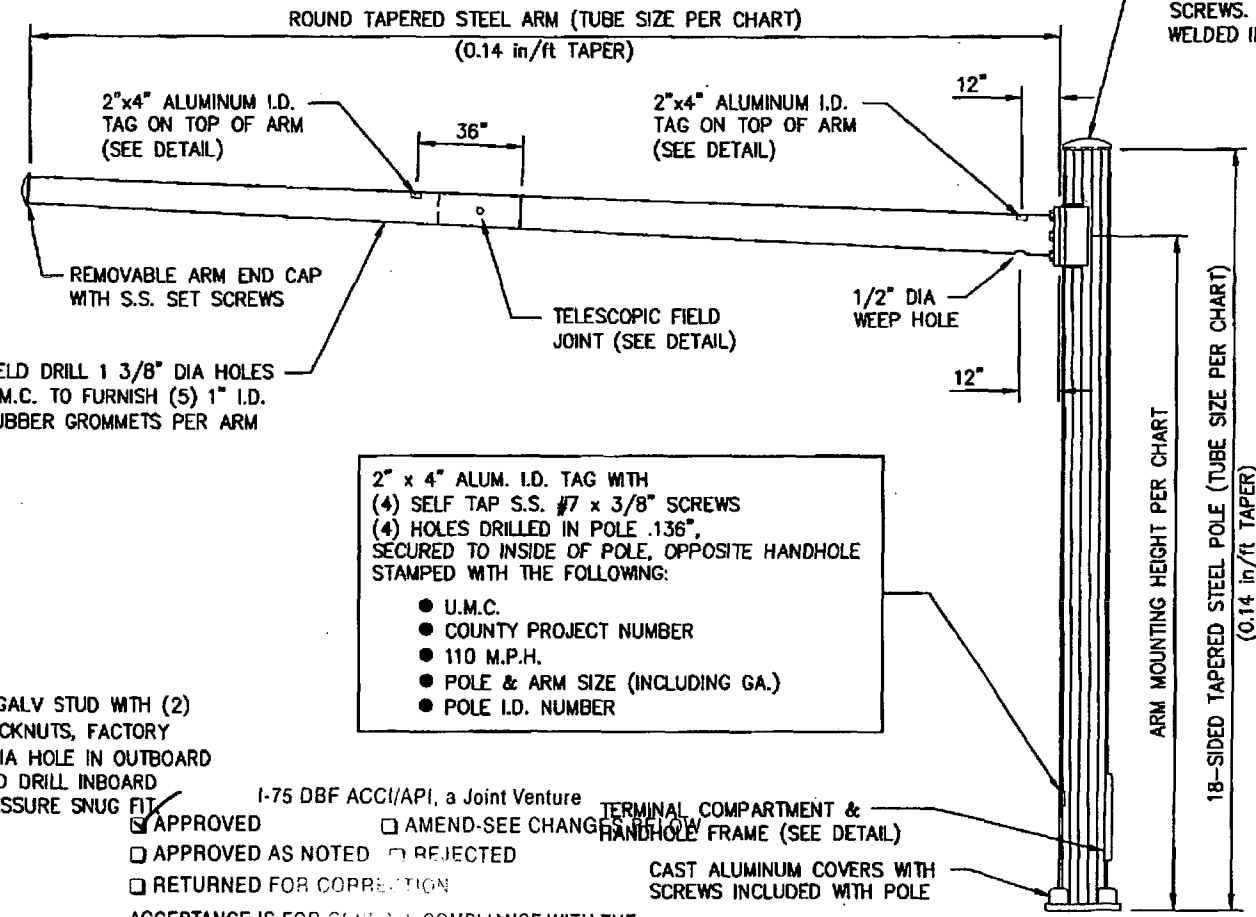
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

MOR ENGINEERING, INC.

By MG 09-18-08  
FIELD JOINT LENGTH PER CHART  
Shop Drawing Reference No. Master  
Project No. 420655-1-52-01

3/4" DIA GALV STUD WITH (2) "ANCO" LOCKNUTS, FACTORY DRILL 1" DIA HOLE IN OUTBOARD TUBE, FIELD DRILL INBOARD TUBE TO ASSURE SNUG FIT

TELESCOPIC FIELD JOINT DETAIL



2" x 4" ALUM. I.D. TAG WITH  
(4) SELF TAP S.S. #7 x 3/8" SCREWS  
(4) HOLES DRILLED IN POLE (.136" DIA).  
SECURED TO INSIDE OF POLE, OPPOSITE HANDHOLE  
STAMPED WITH THE FOLLOWING:

- U.M.C.
- COUNTY PROJECT NUMBER
- 110 M.P.H.
- POLE & ARM SIZE (INCLUDING GA.)
- POLE I.D. NUMBER

1-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGE ORDER  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

TERMINAL COMPARTMENT & HANDHOLE FRAME (SEE DETAIL)  
CAST ALUMINUM COVERS WITH SCREWS INCLUDED WITH POLE

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
BY: [Signature] DATE: 9/15/08

**DESIGN CRITERIA:**

- CUSTOMER IS RESPONSIBLE FOR ALL DESIGN CRITERIA. ALL SIZES AND DIMENSIONS ARE GIVEN BY CUSTOMER. U.M.C. WILL NOT BE RESPONSIBLE FOR ANY PART DESIGN IN ACCORDANCE TO LOADS, STRESSES, & AASHTO SPECIFICATIONS.
- DESIGNED IN ACCORDANCE WITH PROJECT PLAN SHEETS & INDEX 17743 2004 FDOT DESIGN STANDARDS.
- FULL PENETRATION SEAM WELD ON TUBES REQUIRED WITHIN 6" OF POLE BASE, WITHIN 6" OF ARM PLATE AND AT FIELD JOINT PLUS 6" ON OUTBOARD TUBE ONLY.
- ANCHOR BOLT PROJECTION FROM TOP OF FOUNDATION TO BOTTOM OF BASE PLATE MUST NOT EXCEED TWO BOLT DIAMETERS.
- PER AASHTO THE MINIMUM LENGTH OF ANY TELESCOPIC FIELD JOINT SHALL BE 1.5 TIMES THE INSIDE DIAMETER OF THE END OF THE FEMALE SECTION.
- VIBRATION IS MORE LIKELY TO OCCUR WHEN STRUCTURES ARE INSTALLED WITHOUT ATTACHING THE SIGNALS AND OR SIGNS. THEREFORE, THE INTENDED EQUIPMENT OR DAMPENING DEVICES MUST BE INSTALLED AT THE TIME OF ERECTION. BECAUSE VIBRATION IS GENERALLY UNPREDICTABLE, A MAINTENANCE PROGRAM SHOULD INCLUDE INSPECTION FOR INDICATIONS OF EXCESSIVE VIBRATION OR FATIGUE AND EXAMINATION FOR ANY STRUCTURAL DAMAGE OR BOLT LOOSENING.
- CUSTOMER TO CONFIRM ORIENTATIONS & MOUNTING HEIGHTS BEFORE RELEASING ORDER FOR MANUFACTURING.

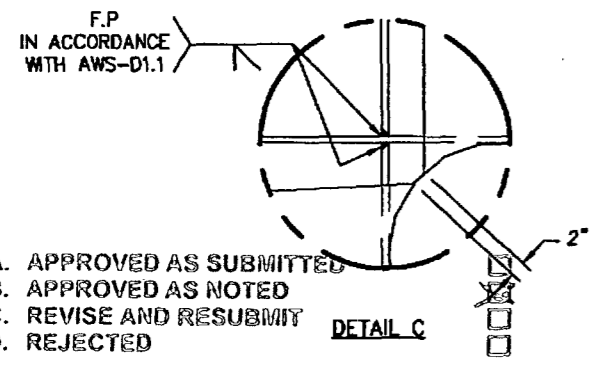
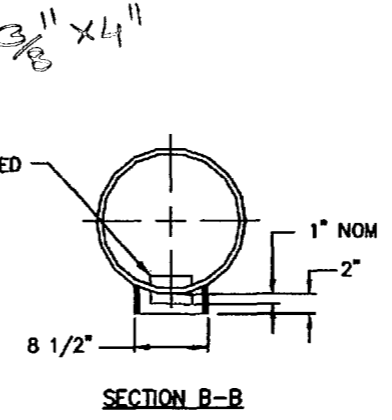
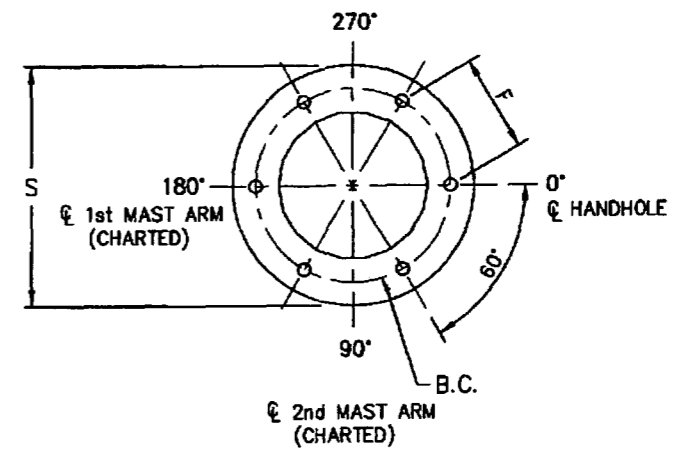
Highway Safety Devices, Inc.  
Approved for Submission  
Date: 9/12/08  
By: [Signature]

STATE: FLORIDA	REQ / SO# : FL-25097-1	REV	DESCRIPTION	DATE	REV BY
PROJECT NAME: FDOT #420655-1-52-01		REVISIONS			
TAPERED STEEL TRAFFIC CONTROL STRUCTURES COLLIER COUNTY, FLORIDA					
	This document and the contents herein are proprietary and the property of Union Metal Corporation. This document is not to be copied, reproduced, or used for any reason except for the purposes which it was issued without the express written consent of Union Metal Corporation. Furthermore Union Metal Corporation reserves the right to recall this document and all copies at any time for any reason.	DESIGNED BY JMW	CHECKED BY JLD	DATE 8/28/08	SCALE NTS
50918-B308			REVISION RO	ENG REF 50918-B241	SHEET 2 OF 3

U.M.C. DESIGN No.	ARM CONNECTION DATA										
	ARM SIZE	W	H	X	Y	APT	PPT	GUSSET THK	CONN. BOLTS (QTY) & SIZE	Z	D
Y1	OE-21.00	36	30	31	12 1/2	3	2 1/4	3/4	(6) 1 1/4	7/16	21 1/2
	OE-20.00										
Y2	OE-21.00	36	30	31	12 1/2	3	2 1/4	3/4	(6) 1 1/4	7/16	21 1/2
Y3	OE-21.00	36	30	31	12 1/2	3	2 1/4	3/4	(6) 1 1/4	7/16	29
	OE-16.00										

Pole 2, 3 & 4

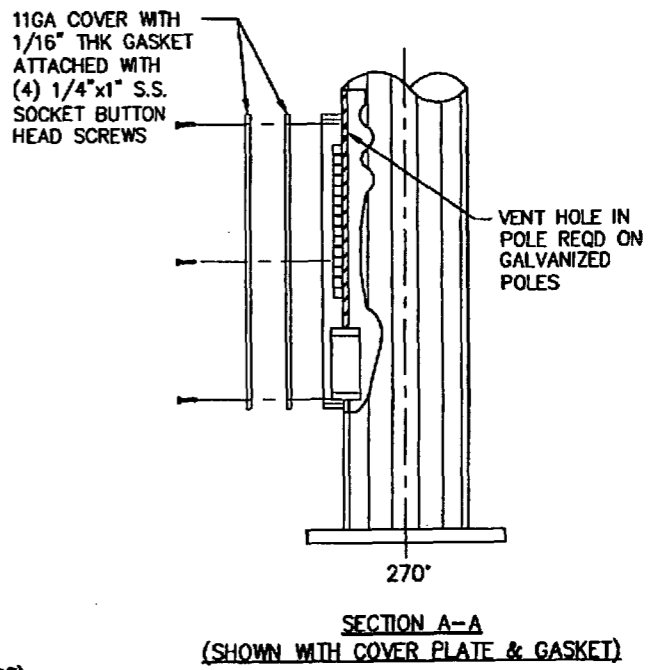
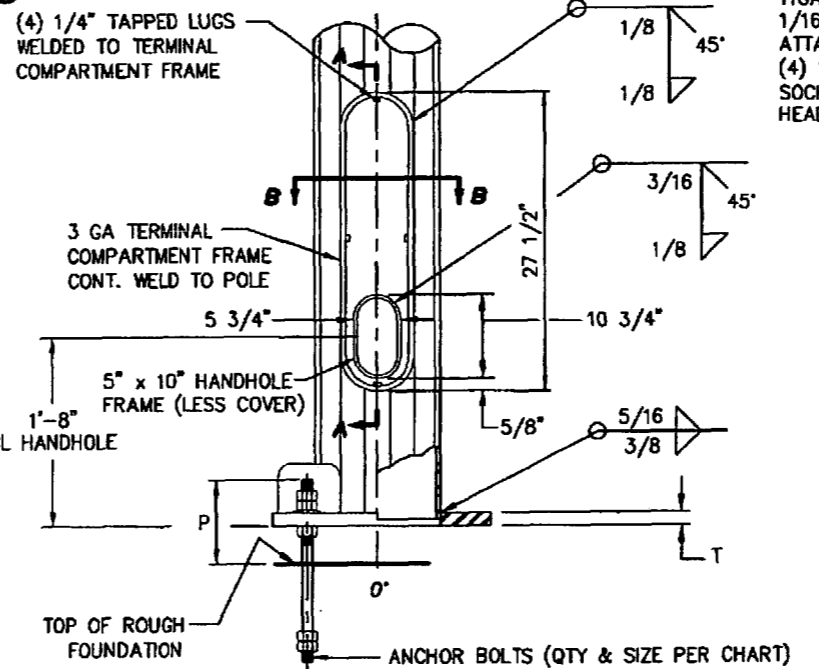
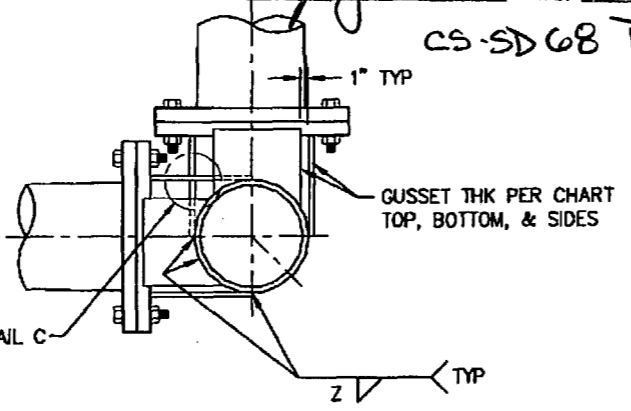
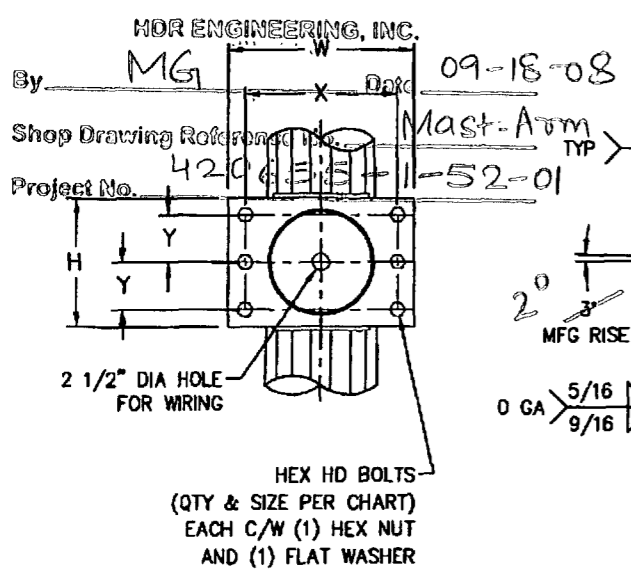
U.M.C. DESIGN No.	BASE CONNECTION DATA						
	POLE SIZE	B.C.	S	T	F	P	ANCHOR BOLTS (QTY) & SIZE
Y1 THRU Y3	0.313-27.00	35	43	1 1/2	17 1/2	9	(6) 2x51



I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 9/19/08

CS-SD 68 PAGE 3-3

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.



Highway Safety Devices, Inc.  
 Approved for Submission  
 Date: 9/12/08  
 By: *[Signature]*

ANCHOR BOLTS MUST BE SET IN ACCORDANCE WITH THIS DRAWING. ALIGNMENT OF FOUNDATION IN RELATION TO ROADWAY IS THE RESPONSIBILITY OF THE FIELD CONTRACTOR. FOUNDATION MUST BE SET SO ARM AND SIGNALS ARE FACING TRAFFIC FLOW.

STATE: FLORIDA	REQ# / SO# : FL-25097-1	REV	DESCRIPTION	DATE	REV BY/CHK BY
PROJECT NAME: FDOT # 420655-1-52-01		REVISIONS			
<b>TAPERED STEEL TRAFFIC CONTROL STRUCTURES COLLIER COUNTY, FLORIDA</b>					
	This document and the contents herein are proprietary and the property of Union Metal Corporation. This document is not to be copied, reproduced, or used for any reason except for the purposes which it was issued without the express written consent of Union Metal Corporation. Furthermore Union Metal Corporation reserves the right to recall this document and all copies at any time for any reason.	DESIGNED BY	CHECKED BY	DATE	SCALE
		JMW	JAD	8/28/08	NTS
<b>50918-B308</b>		ENG REF	REVISION	SHEET	
		50918-B241	RO	3 OF 3	

Hardcopies of this document are considered uncontrolled and are to be used for reference only. These using this document for reference must also all provisions available to ensure that this document matches the current revision maintained in digital format, which has a single source and processed by all revisions.

**Project: SR 93 (I-75) Widening (D-B-F from N. Golden Gate to S. Colonial)**

**Financial Project Number: 420655-1-52-01**

**Federal Aid Project Numbers: S113 001 R, S113 002 R, SFTL 175 R,**

**SFTL 186 R, SFTL 291 R, and SFTL 313 R**

## **LIGHTING AND SIGNING**

HIGHWAY SAFETY DEVICES, INC.  
 16125 OLD US 41  
 FT. MYERS, FLORIDA 33912  
 TELEPHONE (239) 489-4114  
 Fax (239) 489-0148

LETTER OF  
 TRANSMITTAL

To: Felipe Jaramillo  
 ACCI/API, A Joint Venture  
 12751 Westlinks Drive, Units 1 & 2  
 Ft. Myers, Florida 33913

Date: September 9, 2008	Job# 1417
Attn.: Felipe Jaramillo	
Re: Project No. 420655-1-52-01	
Contract No. EIF59 I-75 Widening	

TO WHOM IT MAY CONCERN:

We are sending you  Attached  Under separate cover via \_\_\_\_\_ the following items

- Shop Drawgs     Prints     Plans     Samples     Specifications  
 Copy of letter     SA or CO     Other: \_\_\_\_\_

Copies	Date	No.	Description
9	08/29/08		Valmont Industries Street Lighting Pole Submittal
9	09/09/08		GE Lighting Systems Bridge Underdeck Lighting Fixture Submittal
9	09/09/08		GE Lighting Systems Street Light Pole Fixture Submittals

THESE ARE TRANSMITTED AS MARKED BELOW:

- For approval     Approved as submitted     Resubmit \_\_\_\_\_ copies for approval  
 For your use     Approved as noted     Submit \_\_\_\_\_ copies for distribution  
 As requested     Returned for corrections     Return \_\_\_\_\_ approved copies  
 For review and Comment    \_\_\_\_\_

REMARKS:

If you need any additional information please let me know.

Highway Safety Devices

Copy To: Correspondence File  
Job File  
 \_\_\_\_\_  
 \_\_\_\_\_

Signed:   
 Wes Goldberg  
 Project Manager

If enclosures are not as noted, kindly notify us at once.



ACCI/API, a Joint Venture

12751 Westlinks Drive, Units 1 & 2  
 Fort Myers, FL 33913  
 Tel (239) 313-4600 Fax (239) 561-0739



TRANSMITTAL

To: HDR Engineering  
 12751 Westlinks Drive, Unit 1 & 2  
 Fort Myers, FL 33913

Date: September 12, 2008

Attn: John Kubler  
 Drainage Engineer

Phone: 239-313-4611  
 Fax: 239-561-0739

RE: I-75 Design-Build-Finance Project  
 Contract ID No. EIF59

We are sending you:  Attached     Under separate cover, the following items:

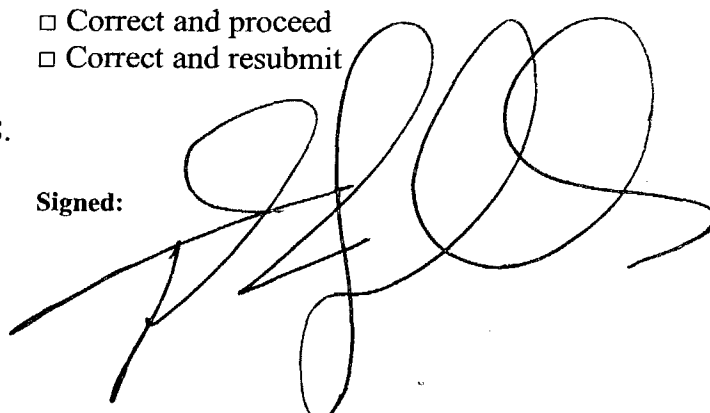
- Plans     Specifications     Sublet Certification  
 Schedule     Shop Drawings     Material Certification  
 Samples     Change Order     Notice  
 Copy of Letter     Other

No. of Copies	Date	Trans. No.	Description
9	08/29/08	CS-SD67	Street Lighting Immokalee Road

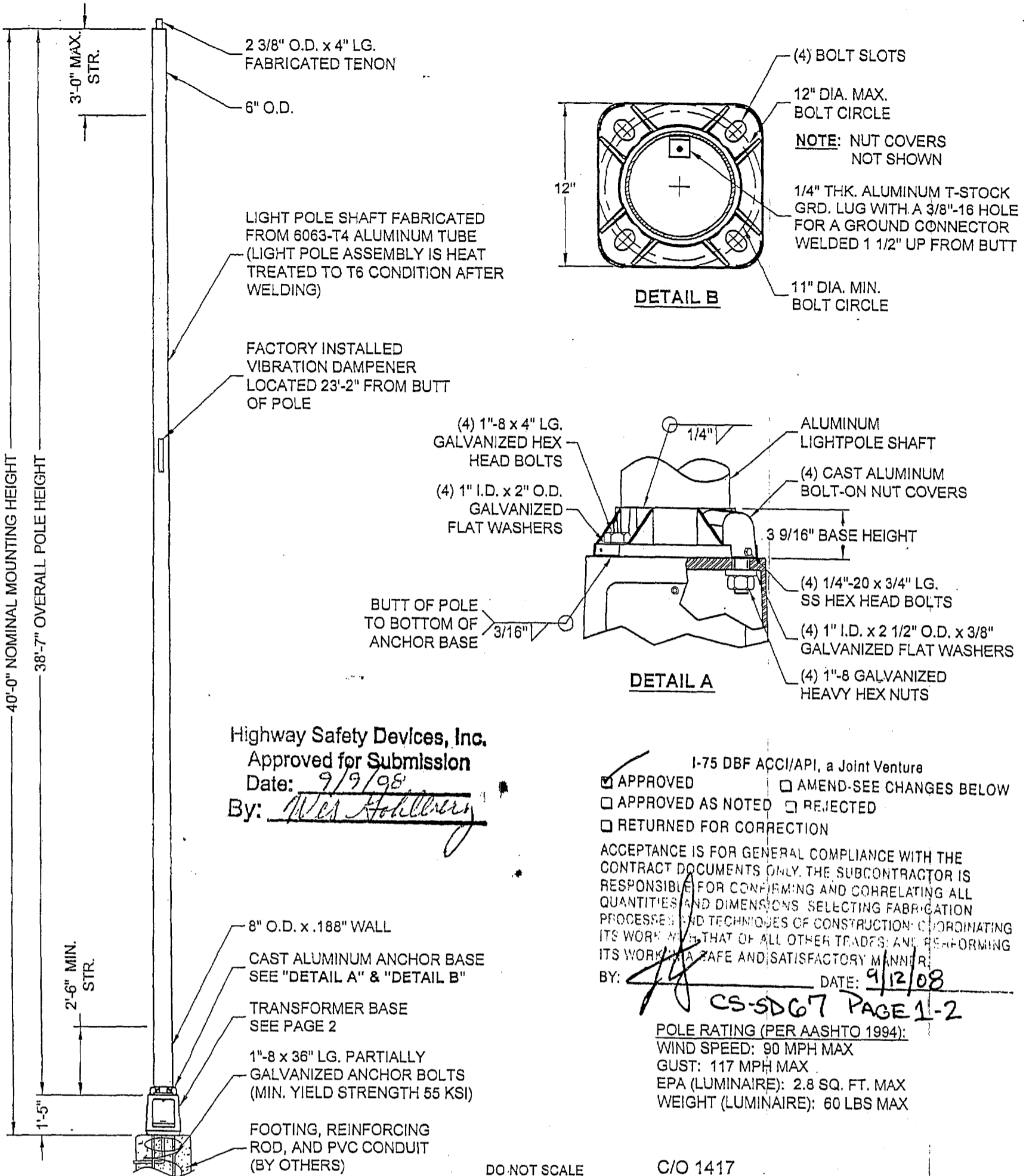
These are transmitted for the purpose checked below:

- For approval     Approved as submitted     Proceed  
 For review     Approved as noted     Correct and proceed  
 For information     Returned for corrections     Correct and resubmit  
 Other \_\_\_\_\_

Remarks: Please review by September 26, 2008.

Signed: 





Highway Safety Devices, Inc.  
 Approved for Submission  
 Date: 9/9/08  
 By: Mel Hollberg

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 9/12/08

POLE RATING (PER AASHTO 1994):  
 WIND SPEED: 90 MPH MAX  
 GUST: 117 MPH MAX  
 EPA (LUMINAIRE): 2.8 SQ. FT. MAX  
 WEIGHT (LUMINAIRE): 60 LBS MAX

CS-SDG7 PAGE 1-2

DO NOT SCALE C/O 1417

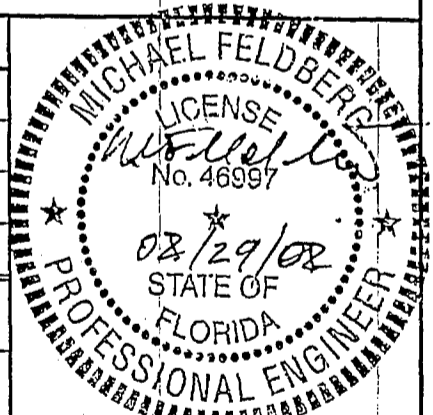


Valmont Industries, Inc. Structures Division  
 20805 Eaton Ave Farmington, Minnesota 55024-7932  
 Phone: (651) 463-8990 (800) 899-7577  
 Fax: (651) 463-3349

**\*\*CONFIDENTIAL\*\***

The information contained in this drawing is privileged and confidential, and may be protected from disclosure. Please be aware that any use or dissemination of this drawing may be subject to legal restriction or sanction.

TITLE:	S TRANSFORMER BASE LIGHT POLE	QTY:	4
MODEL NO.:		OWN BY:	CJH
MATERIAL:	ALUMINUM ALLOY	CHK'D BY:	
FINISH:	100 GRIT SATIN POLISH	APPR BY:	
PROJECT:	420655-1-52-01 COLLIER / LEE	DATE:	08-21-08
SOLD TO:	HIGHWAYSAFETY DEVICES	DWG NO:	LH91904
SHIP TO:		PAGE:	1/2
P.O. NO:			
REP:	D.O.T. LIGHTING INC		
REV	DATE	REVISION DESCRIPTION	BY



- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

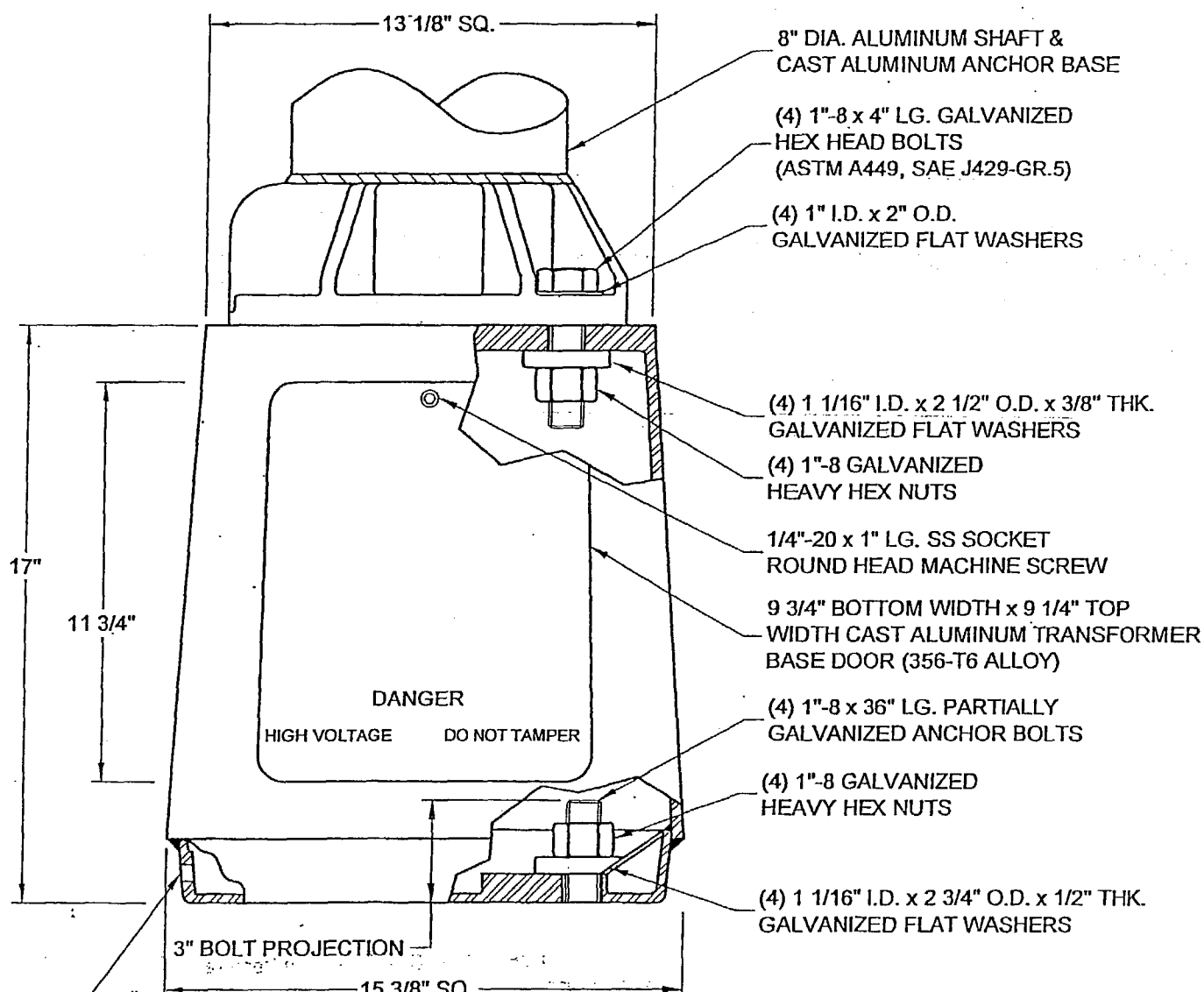
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By: MG Date: 09-23-08

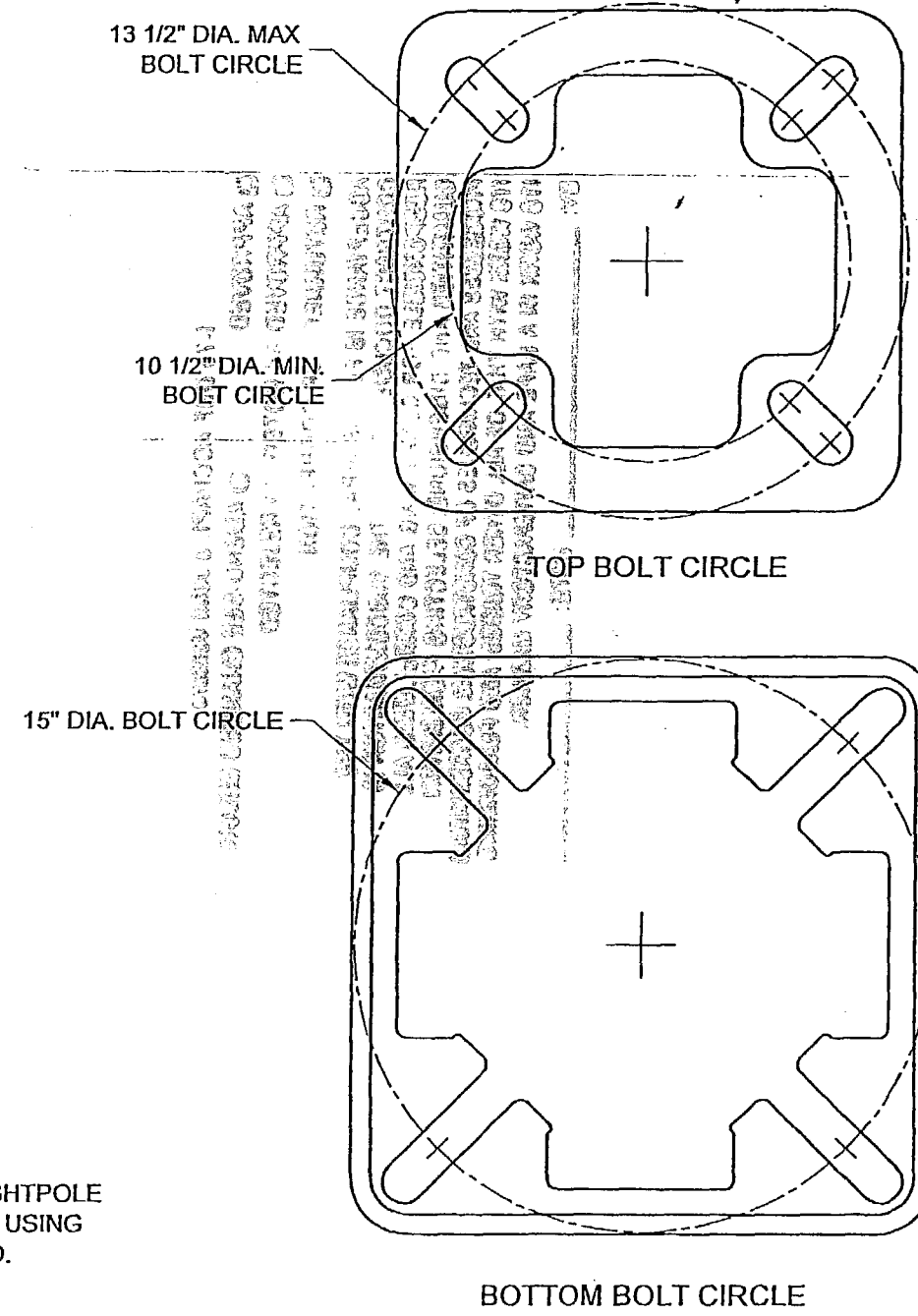
Shop Drawing Reference No. \_\_\_\_\_

Project No. 420655-1-52-01



**DANGER**  
HIGH VOLTAGE DO NOT TAMPER

DRILLED & TAPPED 1/2"-13 UNC HOLE FOR GROUND CONNECTOR



- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

☒  
□  
□  
□

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By MG Date 09-23-08

Shop Drawing Reference No. \_\_\_\_\_

Project No. 420655-1-52-01

*Handwritten signature*  
TV STAMP  
ON BACK  
9/12/08

**IMPORTANT NOTE:**  
TRANSFORMER BASE AND LIGHTPOLE TO BE LEVELED AS ONE UNIT, USING LEVELING SHIMS IF REQUIRED.

DO NOT SCALE

**CAUTION** 1995 AASHTO

BEFORE INSTALLATION, USER SHOULD CONSULT WITH AUTHORIZED DISTRIBUTOR REGARDING USER'S PROPOSED APPLICATION, LOAD REQUIREMENTS AND INSTALLATION METHODS. FAILURES CAN RESULT FROM USERS MISAPPLICATION OR IMPROPER INSTALLATION

TO APPROACH OPTIMUM STATIC LOADS, USE THE LARGEST POSSIBLE BOLT CIRCLES AND USE STEEL WASHER SIZES SPECIFIED BELOW:

FOR 13" DIA. THRU 15" DIA. BOTTOM BOLT CIRCLES:  
USE 2-3/4" DIA. x 1/2" THICK WASHER  
FOR ALL MOUNTINGS UNDER 13" DIA.  
SEE SPECIAL MOUNTING INSTRUCTIONS

TORQUE GROUND MOUNTING NUTS TO 150 FT. LBS.  
SHIM BASE LEVEL WHEN REQUIRED BEFORE TORQUING MOUNTING NUTS

FOR 10-1/2" DIA. THRU 13-1/2" DIA. TOP BOLT CIRCLES:  
USE 2-1/2" DIA. x 3/8" THICK WASHER

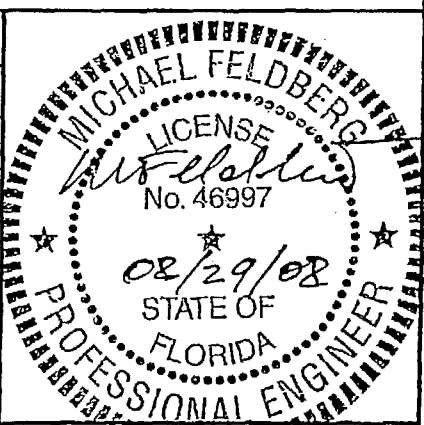
**BREAKAWAY BASE**  
APPROVED BY F.H.W.A. TO 1995 AASHTO REQUIREMENTS



Valmont Industries, Inc. Structures Division  
20805 Eaton Ave Farmington, Minnesota 55024-7932  
Phone: (651) 463-8990 (800) 899-7577  
Fax: (651) 463-3349

**\*\*CONFIDENTIAL\*\***  
The information contained in this drawing is privileged and confidential, and may be protected from disclosure. Please be aware that any use or dissemination of this drawing may be subject to legal restriction or sanction.

TITLE: S T-BASE 13-15 BC BLK DR 8" RD 17		QTY: 4
MODEL NO.: 08R1315B17		OWN BY: CJH
MATERIAL: ALUMINUM ALLOY		CHK'D BY:
FINISH: SATIN		APPR BY:
PROJECT: 420655-1-52-01 COLLIER / LEE		DATE: 08-21-08
SOLD TO: HIGHWAY SAFETY DEVICES		DWG NO: LH91904
SHIP TO:		PAGE: 2/2
P.O. NO:		
REP: D.O.T. LIGHTING INC		
△		
△		
△		
REV	DATE	REVISION DESCRIPTION



**DESCRIPTION**

- 1. See Valmont Lexington Pole Model
- 2. See Valmont Lexington Arm Model

Height Above Grade to Anchor Base :  $H_{found} = 0.00$  ft

**DESIGN CONDITIONS**

- 1. American Association of State Highway and Transportation Officials (AASHTO), "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals" 1994.

Wind Speed :  $V = 90$  mph

- 2. Fixture design weight and Effective Projected Area (EPA) (includes wind drag coefficient unless noted):

$WT_f = 60$  lbf  $EPA_f = 2.8$  ft<sup>2</sup>

- 3. Height Coefficient for fixture (see AASHTO Commentary Section 1.2.5):

$$C_{hf} := 2.58 \left( \frac{H_f + H_{found}}{900} \right)^{\frac{2}{7}} \quad C_{hf} = 1.067$$

- 4. Height Coefficient for arm assembly (see AASHTO Commentary Section 1.2.5):

$$C_{ha} := 2.58 \left( \frac{H_a + H_{found}}{900} \right)^{\frac{2}{7}} \quad C_{ha} = 1.06$$

- 5. Drag Coefficients are from AASHTO Table 1.2.5C if not included in design EPA.
- 6. Wind Pressure (see AASHTO Section 1.2.5(A)):

$$P := 0.00256 \left( 1.3 \frac{V}{\text{mph}} \right)^2 \cdot C_d \cdot C_h \cdot \text{psf} \quad , \text{ where } \text{psf} := \frac{\text{lbf}}{\text{ft}^2}$$

$P = 37.144$  psf

The Wind Pressure is increased by a safety factor of 1.38 in the Final Deflected Position Analysis (See AASHTO Section 1.3.3(A)(2))

- 7. Height Coefficient and Drag Coefficient for shaft are calculated for each linear foot as listed above.

**ALLOWABLE STRESSES**

All allowable stresses are based on Aluminum Alloy 6063-T6, heat treated after structural welding except as noted.

Allowable Stress according to AASHTO Table 1.5.2A(2):  $F1 = 18000$  psi

Percentage of allowable stress according to AASHTO Section 1.2.6 Group II :  $GII = 1.4$

Reduction factor due to welding according to AASHTO Section 1.5.2(A)(3):  $WRF = 0.85$

**SUBMITTAL OF ARM AND SHAFT CALCULATIONS**

**HIGHWAY SAFETY DEVICES**

See page 10/13  $\frac{1}{13}$  DOT Lighting  
 VALMONT JOB NO.: LH91904  
 ITEM#1

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

POLE AND ARM COMBINATION

40 ft MH with a 4" Bracket Arm

- I-75 DBF ACC/API, a Joint Venture
- APPROVED  AMEND-SEE CHANGES BELOW
- APPROVED AS NOTED  REJECTED
- RETURNED FOR CORRECTION

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

HDR ENGINEERING, INC.

PREPARED BY :

By MG/DT Date 09-23-08 MICHAEL FELDBERG, P.E.

Shop Drawing Reference No. \_\_\_\_\_

JAY BAUMGARTNER

Project No. 420655-1-52-01

VALMONT INDUSTRIES

20805 EATON AVE

FARMINGTON, MN 55024

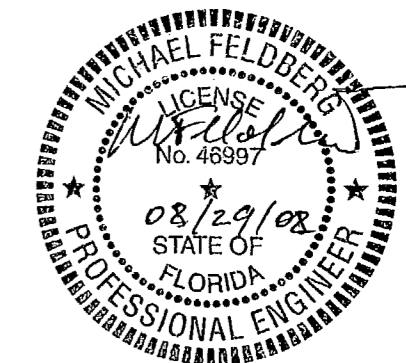
August 22, 2008

Highway Safety Devices, Inc.

Approved for Submission

Date: 9/9/08

By: Wes Hollberg



**DATA VERIFICATION PAGE**  
**UNIT AND CONSTANT DEFINITION**

$$\text{psf} := \frac{\text{lb}_f}{\text{ft}^2} \quad \text{psi} := \frac{\text{lb}_f}{\text{in}^2} \quad \text{ksi} := 1000 \cdot \text{psi}$$

Modulus of Elasticity E = 1.01E+07 psi  
 (Aluminium Alloy 6063-T6)

**MOUNTING DATA**

Height Above Grade to Top of Foundation  $H_{\text{found}} = 0$  ft  
 Height Above Top of Foundation to Base  $H_{\text{af}} = 1.42$  ft  
 Nominal Mounting Height of Fixture From Grade  $H_f + H_{\text{found}} = 41.00$  ft

**WIND DATA**

Wind Velocity V = 90 mph  
 Gust Velocity GUST = 117 mph

**SHAFT DATA**

Shaft Length L = 38.58 ft  
 Taper Length TAPER = 33.08 ft  
 Butt Diameter BUTT = 8 in  
 Top Diameter TOP = 6 in

Wall Thickness WALL = 0.188 in  
 Midthickness Radius RM = 3.906 in

(at butt)

Cross-Sectional Area AREA = 4.614 in<sup>2</sup>  
 Moment of Inertia  $I_B = 35.217$  in<sup>4</sup>

(at butt)

Moment of Inertia  $I_T = 14.509$  in<sup>4</sup>

(at top)

Section Modulus S = 8.8043 in<sup>3</sup>  
 Shaft Weight  $WT_S = 182.190$  lbf

Sleeve Height  $H_S = 0$  ft  
 Sleeve OD ID = 7.624 in

Sleeve Wall Thickness  $WALL_S = 0.000$  in  
 Moment of Inertia  $I_S = 0.000$  in<sup>4</sup>

(sleeve)

Distance to Handhole  $D_{HH} = 0$  ft

Handhole width  $DIA_{HH} = 0$  in

Sect. Mod. at handhole  $S_{HH1} = 9.45$  in<sup>3</sup>

**FIXTURE DATA**

Fixture Weight (each)  $WT_f = 60$  lbf  
 Fixture EPA (each)  $EPA_f = 2.8$  ft<sup>2</sup>  
 Rise to Fixture  $RISE_f = 1$  ft

Height to Fixture  $H_f = 41.00$  ft

Nominal Mounting Height of Fixture From Grade  $H_f + H_{\text{found}} = 41.00$  ft

**SHAFT STRESS CALCULATIONS**  
**DESCRIPTION OF SHAFT STRESS CALCULATIONS**

The shaft assembly is analyzed according to AASHTO Section 1.3.3(A)(2) with the support in its final deflected position under design loads. All wind loads and dead loads are increased by the safety factor

$$N = \frac{F_y \cdot K_p}{1.40 \cdot F_b} = 1.38$$

and the resulting stresses divided by the same safety factor. The design stresses include the additional stresses resulting from eccentricity caused by deflections of all design loads, including deflections caused by eccentricity of these loads. The following process is continued until the moment increment due to eccentricity is minimal. These descriptions are an example of the calculations performed, however the actual calculations are not printed here due to space constraints.

The initial step in analyzing the shaft in this manner is to section the shaft in one foot segments starting at the bottom of the shaft and continuing to the last whole foot at the top. The top section is whatever length remains above the last whole foot section. The bottom of each section of the pole, including the top section and the pole top is treated as a "station."

The diameter at the bottom of each segment is calculated, as well as the inside diameter, the top diameter, the average diameter, and the average inside diameter.

The outside and inside diameters are calculated for the bottom and top of each section. The average outside and inside diameters are also calculated for each section and the cross sectional area is found at this point.

Additionally, the weight of each section is calculated based on the average diameter. These weights are summed so that the weight at each station includes the weight of the section itself and the weight of each section above it.

The moment of inertia at the bottom diameter of each section is calculated.

The Longitudinal Shear (due to the wind) is calculated for the fixture, arm assembly, and each section of the pole. The Longitudinal Shear on each section is located at the center of the section. The Longitudinal Shear for each section of the shaft includes the drag and height coefficients that are calculated based on the average diameter, and the height above grade to the average diameter of each section.

The Longitudinal Moment for the bottom of each section of the shaft is the product of all Longitudinal Shear Loads located above the section and the distance to these loads. Therefore, the Longitudinal Moment at the butt of the shaft includes the moment due to the Longitudinal Shear acting on each section of the shaft, the fixture, and the arm assembly. Additionally, the Longitudinal Moment at the pole top includes only the loads acting on the fixture and the arm assembly.

The Dead Load Moment is the product of the weight of the fixture and arm assembly and their respective distances from the centerline of the shaft.

The Transverse Moment is obtained by adding twenty percent of the Longitudinal Moment to the Dead Load Moment according to AASHTO Section 1.2.5(D)(4).

The Combined Moment is calculated according to AASHTO Section 1.2.5(D)(4) as follows:

$$\text{Combined\_Moment} = \sqrt{\text{Longitudinal\_Moment}^2 + \text{Transverse\_Moment}^2}$$

The Angle that the Combined Moment acts in is calculated as follows. This Angle is referred to as the angle off the Longitudinal (wind) Moment and is the direction in which the shaft will deflect under the design loads.

$$\text{Angle} = \arctan\left(\frac{\text{Transverse\_Moment}}{\text{Longitudinal\_Moment}}\right)$$

The Angle Change, M/EI, of each section of the shaft due to the bending caused by the Combined Moment is calculated by dividing the Combined Moment at the bottom of each section by the Modulus of Elasticity of Aluminum and the Moment of Inertia at the bottom of the section.

## SHAFT STRESS CALCULATIONS (CONTINUED)

### DESCRIPTON OF SHAFT STRESS CALCULATIONS (CONTINUED)

$$MEI = \frac{\text{Combined\_Moment}}{E \cdot I} \quad \text{where } E \text{ is the Modulus of Elasticity of Aluminum, } E = 10 \cdot 10^6 \text{ psi}$$

The Beam Slope, starting at the butt of the shaft is zero, and increases cummulatively up the shaft length. The Slope of each section is the Angle Change of that section multiplied by the length of that segment.

The Deflection of the center of each section from the centerline of the shaft is the cummulative total of the Beam Slope multiplied by the length of the section, with the Deflection of the bottom section being zero. This deflection is the initial "lever arm" that is created by the Combined Moment acting at each station.

The Incremental Moment is calculated by multiplying the cummulative weight at each station by the Deflection (lever arm) calculated previously. This incremental Moment acts in the direction obtained by the Angle calculations described above, which is in the direction of the resultant Combined Moment.

The New Combined Moment is the sum of the original Combined Moment and the Moment Increment. This New Combined Moment will contribute to an increase in deflection due to the slight increase in the eccentricity of the shaft. The process will continue until the increased eccentricity of the loads is small enough so that the Moment Increment is negligible. The process is performed five times in this case.

## SHAFT STRESS CALCULATIONS

### STRUCTURE LOADS

The following loads and stresses were calculated in an iterative process using the equations found on the previous page.

#### Longitudinal (Wind) Moment on Shaft Assembly

The Longitudinal Moment is calculated for each linear foot of the shaft and includes the moment due to the wind load on all arm assemblies and fixtures.

$$\text{LNG\_MOM} := \frac{\text{LONG}}{1.38} \quad \text{LNG\_MOM} = 13118 \text{ ft lbf}$$

#### Longitudinal (Wind) Shear on Shaft Assembly

The Longitudinal Shear is calculated for each linear foot of the shaft and includes the wind shear on all arm assemblies and fixtures.

$$\text{LNG\_SHEAR} := \frac{\text{LSHEAR}}{1.38} \quad \text{LNG\_SHEAR} = 516 \text{ lbf}$$

#### Transverse Moment on Shaft Assembly

The Transverse Moment is calculated according to AASHTO Section 1.2.5(D)(4) and includes twenty percent of the Longitudinal Moment added to the Dead Load Moment

If there are two arm assemblies (NUM = 2) and they are mounted 180° to each other [three at 120 or 4 at 90], the Dead Load Moment (DLMPT) = 0.

$$\text{NUM} = 1 \quad \text{DLMPT} = 0 \text{ ft lbf}$$

The Transverse Moment (TR\_MOM) shown below includes the Dead Load Moment (DLMPT) listed above.

$$\text{TR\_MOM} := \frac{\text{TRAN}}{1.38} \quad \text{TR\_MOM} = 0 \text{ ft lbf}$$

#### Transverse Shear on Shaft Assembly

The Transverse Shear is calculated according to AASHTO Section 1.2.5(D)(4).

$$\text{TR\_SHEAR} := \frac{V2 \cdot \text{LSHEAR}}{1.38} \quad \text{where } V2 = 0.0 \quad \text{TR\_SHEAR} = 0 \text{ lbf}$$

## SHAFT STRESS CALCULATIONS (CONTINUED)

Angle Between the Longitudinal Moment and the Transverse Moment

$$\text{ANG} := \text{atan} \left( \frac{\text{TR\_MOM}}{\text{LNG\_MOM}} \right) \quad \text{ANG} = 0.00 \text{ deg.}$$

Torsional Moment on Shaft Assembly

Due to Wind on One Fixture (AASHTO Section 1.2.5(D)(5)(c(i))).

$$\text{TORSION} := V_{wf} * 0.15 * b \quad \text{TORSION} = 33 \text{ ft lbf}$$

Combined Moment

Calculated according to AASHTO Section 1.2.5(D)(4).

$$M_c := \sqrt{\text{LNG\_MOM}^2 + \text{TR\_MOM}^2} \quad M_c = 13118 \text{ ft lbf}$$

Combined Shear

$$V_c := \sqrt{\text{LNG\_SHEAR}^2 + \text{TR\_SHEAR}^2} \quad V_c = 516 \text{ lbf}$$

Total Weight of Shaft Assembly (with and without Anchor Base)

Weight of the Shaft Alone

$$\text{WT}_s = 182.19 \text{ lbf}$$

Weight of Shaft, Arm(s), and Fixture(s)

$$\text{WT} := \text{WT}_s + \text{OHWT} \quad \text{WT} = 242.19 \text{ lbf}$$

Weight of Entire Assembly

$$\text{WT}_{\text{base}} := \text{WT}_s + \text{OHWT} + \text{WT}_{\text{ab}} \quad \text{WT}_{\text{base}} = 254.19 \text{ lbf}$$

Coefficient of allowable bending stress assuming only half of the reinforcing sleeves moment of inertia contributes to the strength to the pole

$$S_F := \frac{I_B + .5 \cdot I_s}{I_B} \quad S_F = 1.000$$

Maximum Overturn Moment

The Maximum Overturn Moment is based on the allowable tensile stress for the shaft adjusted for Group Loading and Welding according to AASHTO times the Section Modulus of the shaft at the butt.

$$\text{OVER\_MOM} := 18000 \cdot \text{psi} \cdot 1.4 \cdot 0.85 \cdot S \cdot S_F \quad \text{OVER\_MOM} = 15716 \text{ ft lbf}$$

### CALCULATON OF COMBINED STRESS RATIO (CSR)

Actual Axial Stress

$$f_a := \frac{\text{WT}}{\text{AREA}} \quad f_a = 52.5 \text{ psi}$$

Actual Bending Stress

$$f_b := \frac{M_c}{S \cdot S_F} \quad f_b = 17880 \text{ psi}$$

Actual Shear Stress

$$f_s := \frac{\text{TORSION}}{6.28 \cdot \text{RM}^2 \cdot \text{WALL}} + \frac{2 \cdot V_c}{\text{AREA}} \quad f_s = 245.921 \text{ psi}$$

**CALCULON OF COMBINED STRESS RATIO (CSR) (CONTINUED)**

Actual Bending Stress (at handhole location if applicable)

$$f_{bhh} := \frac{M_c}{S_{HH1}} \cdot \frac{(L - D_{HH})}{L} \quad f_{bhh} = 16658.5 \text{ psi}$$

Actual Bending Stress (at the top of sleeve if applicable)

$$f_{bs} := \frac{M_c}{S} \cdot \frac{(L - H_S)}{L} \quad f_{bs} = 17880 \text{ psi}$$

Allowable Bending Stress

The Allowable Bending Stress (F) is used for the axial and bending components in calculating the Combined Stress Ratio (see AASHTO Section 1.3.3(A), 1.5.2(A)(3) and Table 1.5.2A(2) Spec. No 3).

$$F = 18000 \cdot 1.4 \cdot 85 \cdot \text{psi} \quad F = 21420 \text{ psi}$$

$$F_s = 18000 \cdot 1.4 \cdot \text{psi} \quad (\text{allowable stress for pole above sleeve and at handhole if applicable}) \quad F_s = 25200 \text{ psi}$$

Allowable Shear Stress

The Allowable Shear Stress (Fs) is calculated according to AASHTO Section 1.3.3(A), Section 1.5.2(B) and Table 1.5.2A(2) Spec. No 20).

The ratio h/t shall be replaced with an equivalent h/t (EHT), given by the following:

$$EHT := 2.9 \cdot \left( \frac{RM}{WALL} \right)^{\frac{5}{8}} \cdot \left( \frac{L}{RM} \right)^{\frac{1}{4}} \quad EHT = 63.73$$

$$F_s := \text{if} \left[ EHT \geq 78, \frac{39000}{EHT^2}, \text{if} [EHT \geq 39, 10.7 - (0.056 \cdot EHT), 8.5] \right] \cdot \text{ksi} \quad F_s = 7.13 \text{ ksi}$$

$$F_{SB} := F_s \cdot 1.4 \cdot 0.85 \quad (\text{allowable shear stress at butt}) \quad F_{SB} = 8486 \text{ psi}$$

$$F_{SS} := F_s \cdot 1.4 \quad (\text{allowable shear stress at top of sleeve and at hand hole if applicable}) \quad F_{SS} = 9984 \text{ psi}$$

Combined Stress Ratio (CSR)

Combined Stress Ratio for vertical cantilever supports (pole type) shall be proportioned to meet the following limitation (see AASHTO Section 1.3.3(A)):

$$CSR \leq 1.0 \quad \text{where}$$

$$CSR_s := \text{if} \left[ H_S > 0, \left[ \frac{f_a}{0.9 \cdot F} + \frac{f_{bs}}{F_s} + \left( \frac{f_s}{F_{SS}} \right)^2 \right], 0 \right] \quad (\text{at top of sleeve if applicable}) \quad CSR_s = 0.000 \text{ OK}$$

$$CSR_{hh} := \text{if} \left[ D_{HH} > 0, \left[ \frac{f_a}{0.9 \cdot F} + \frac{f_{bhh}}{F_s} + \left( \frac{f_s}{F_{SS}} \right)^2 \right], 0 \right] \quad (\text{at handhole location if applicable}) \quad CSR_{hh} = 0.000 \text{ OK}$$

$$CSR := \frac{f_a}{0.9 \cdot F} + \frac{f_b}{F} + \left( \frac{f_s}{F_{SB}} \right)^2 \quad (\text{at base of pole}) \quad CSR = 0.838 \text{ OK}$$

**BASE WELD STRESS CALCULATIONS**

NOTE: The weld configuration existing at the base of the lightpole consists of two circumferential welds with diameter d, throat thickness t, and distance apart D1. The formulas for I and C in the analysis were developed for welds of different size and diameter.

Lower Weld Size (leg)	$\omega_{lw} = 0.1875 \text{ in}$
Upper Weld Size (leg)	$\omega_{uw} = 0.25 \text{ in}$
Shoe Base Height	$H_{sb} = 3.5 \text{ in}$
Combined Bending Moment	$M_c = 13118 \text{ ft lbf}$
Torsional Moment	<b>TORSION = 33.3 ft lbf</b>

Distance Between Welds  $D1 := H_{sb} - \frac{\omega_{lw}}{2} + \frac{\omega_{uw}}{2} \quad D1 = 3.53125 \text{ in}$

Throat Thickness of Lower Weld  $t_{lw} := \omega_{lw} \cdot \sin(45 \cdot \text{deg}) \quad t_{lw} = 0.133 \text{ in}$

Diameter of Lower Weld  $d_{lw} := \text{BUTT} - t_{lw} \cdot \sin(45 \cdot \text{deg}) \quad d_{lw} = 7.91 \text{ in}$

Throat Thickness of Upper Weld  $t_{uw} := \omega_{uw} \cdot \sin(45 \cdot \text{deg}) \quad t_{uw} = 0.177 \text{ in}$

Diameter of Upper Weld  $d_{uw} := \text{BUTT} + t_{uw} \cdot \sin(45 \cdot \text{deg}) \quad d_{uw} = 8.13 \text{ in}$

$$I_w := \frac{\pi}{8} \cdot (d_{lw}^3 \cdot t_{lw} + d_{uw}^3 \cdot t_{uw}) + \pi \cdot D1^2 \cdot \left( \frac{d_{lw} \cdot d_{uw} \cdot t_{lw} \cdot t_{uw}}{d_{lw} \cdot t_{lw} + d_{uw} \cdot t_{uw}} \right) \quad I_w = 86.71 \text{ in}^4$$

$$C_1 := \sqrt{\left( \frac{d_{lw}}{2} \right)^2 + \left( \frac{D1 \cdot d_{uw} \cdot t_{uw}}{d_{lw} \cdot t_{lw} + d_{uw} \cdot t_{uw}} \right)^2} \quad C_2 := \sqrt{\left( \frac{d_{uw}}{2} \right)^2 + \left( \frac{D1 \cdot d_{lw} \cdot t_{lw}}{d_{lw} \cdot t_{lw} + d_{uw} \cdot t_{uw}} \right)^2}$$

$C_1 = 4.449 \text{ in}$   $C_2 = 4.327 \text{ in}$   $C_{max} := \text{if}(C_1 \geq C_2, C_1, C_2) \quad C_{max} = 4.449 \text{ in}$

Weld Bending Stress  $f_{bw} := \frac{M_c \cdot C_{max}}{I_w} \quad f_{bw} = 8077.75 \text{ psi}$

$$J_{lw} := \frac{\pi}{32} \cdot \left[ (d_{lw} + t_{lw})^4 - (d_{lw} - t_{lw})^4 \right] \quad J_{lw} = 51.477 \text{ in}^4$$

$$J_{uw} := \frac{\pi}{32} \cdot \left[ (d_{uw} + t_{uw})^4 - (d_{uw} - t_{uw})^4 \right] \quad J_{uw} = 74.5059 \text{ in}^4$$

$J_{total} := J_{lw} + J_{uw} \quad J_{total} = 125.982 \text{ in}^4$

$R := \frac{d_{uw} + t_{uw}}{2} \quad R = 4.151 \text{ in}$

Weld Torsional Stress  $f_t := \frac{\text{TORSION} \cdot R}{J_{total}} \quad f_t = 13.168 \text{ psi}$

Weld Combined Stress  $f_c := \sqrt{f_{bw}^2 + f_t^2} \quad f_c = 8077.76 \text{ psi}$

Weld Allowable Stress (from Specifications for Aluminum Structures, Fourth Edition, The Aluminum Association, Inc., April, 1982.)

$F_{aw} := 8000 \cdot 1.4 \cdot \text{psi} \quad F_{aw} = 11200 \text{ psi}$   
 $f_c \leq F_{aw}$

Base Welds := **OK**

**ANCHOR BOLT ANALYSIS**

**LOAD DATA**

Combined Wind Shear on Shaft Assembly

$$V_w := V_c \quad V_w = 516.1 \text{ lbf}$$

Wind Moment at Top of Foundation

Number of arm assemblies  $NUM = 1$

Due to Wind on Fixture(s)  $M_{wlab} := NUM \cdot V_w \cdot H_f \quad M_{wlab} = 4552 \text{ ft lbf}$

Due to Wind on Arm(s)  $M_{waab} := NUM \cdot V_w \cdot H_a \quad M_{waab} = 0 \text{ ft lbf}$

Due to Wind on Shaft (summation of moment calculated for each linear foot of the shaft)

$$M_{wsab} := \frac{LMOM_{ab}}{1.38} \quad M_{wsab} = 9101 \text{ ft lbf}$$

Total Wind Moment on Shaft Assembly

$$M_{wab} := M_{wlab} + M_{waab} + M_{wsab} \quad M_{wab} = 13653 \text{ ft lbf}$$

Torsional Moment on Shaft Assembly

$$T_w := TORSION \quad T_w = 33 \text{ ft lbf}$$

Weight of Shaft Assembly

$$WT := WT_s + WT_f + WT_a + WT_{ab} \quad WT = 254.19 \text{ lbf}$$

Dead Load Moment on Shaft Assembly

If the load is symmetrical (2 arm assemblies), the Dead Load Moment (DL<sub>ab</sub>) = 0.

$$DL_{ab} = 0 \text{ ft lbf}$$

Combined Moment

$$M_{cab} := \sqrt{M_{wab}^2 + (0.2 \cdot M_{wab} + DL_{ab})^2} \quad M_{cab} = 13922.9139 \text{ ft lbf}$$

Combined Moment (increased by the moment increment calculated for the shaft stress analysis)

$$M_{cab} := M_{cab} + MINC_{ab} \quad M_{cab} = 14378 \text{ ft lbf}$$

**ANCHOR BOLT STRESS**

NOTE: The assumption is made that only one anchor bolt will resist bending moment. Any pi

Bolt Data

Nominal Anchor Bolt Diameter  $D_{ab} = 1 \text{ in}$

Number of Threads per Inch  $n_a = 8 \text{ tpi}$

Anchor Bolt Tensile Strength Area  $A_{ab} := \frac{\pi}{4} \cdot \left( D_{ab} - \frac{0.9743}{n_a} \right)^2 \quad A_{ab} = 0.606 \text{ in}^2$

Minimum Anchor Bolt Circle  $ABC = 15 \text{ in}$

Minimum Anchor Bolt Radius  $ABR = 7.5 \text{ in}$

Minimum Anchor Bolt Square  $ABSQ = 10.607 \text{ in}$

Minimum Yield Stress  $F_y = 55000 \text{ psi}$

**ANCHOR BOLT ANALYSIS (CONTINUED)**

Tension

Assuming one (1) anchor bolt resists tension load

$$T_{ab} := \frac{M_{cab}}{2 \cdot ABSQ} \quad T_{ab} = \frac{11502}{2 \cdot 10.607} = 538.5 \text{ lbf}$$

Shear

Total wind shear on shaft assembly (per bolt)

$$V_{ab} := \frac{V_w}{4 \cdot bolt} \quad V_{ab} = \frac{516.1}{4} = 129 \text{ lbf/bolt}$$

Shear from torsion (per bolt)

$$V_{Tab} := \frac{T_w}{ABR \cdot 4} \quad V_{Tab} = \frac{33}{7.5 \cdot 4} = 1.1 \text{ lbf/bolt}$$

Resultant shear (per bolt)

$$V_{Rab} := V_{ab} + V_{Tab} \quad V_{Rab} = 129 + 1.1 = 130.1 \text{ lbf/bolt}$$

Bolt Stress

Tensile Stress

$$f_{tab} := \frac{T_{ab}}{A_{ab}} \quad f_{tab} = \frac{538.5}{0.606} = 888.6 \text{ psi}$$

Shear Stress

$$f_{vab} := \frac{V_{Rab}}{A_{ab}} \quad f_{vab} = \frac{130.1}{0.606} = 214.7 \text{ psi}$$

Allowable Stresses calculated according to AASHTO Section 1.3.4(D)(2)

Allowable Tensile Stress

$$F_{tab} := 0.5 \cdot F_y \cdot 1.4 \quad F_{tab} = 38500 \text{ psi}$$

$$f_{tab} \leq F_{tab}$$

Anchor Bolt Tension := **OK**

Allowable Shear Stress

$$F_{vab} := 0.3 \cdot F_y \cdot 1.4 \quad F_{vab} = 23100 \text{ psi}$$

Bolts in bearing type connections subject to a combined loading of shear and tension shall be proportioned in accordance with the following:

$$F_v^2 \geq (f_v)^2 + (k_f \cdot f_t)^2 \quad \text{where} \quad k_a := \frac{F_{vab}}{F_{tab}} \quad k_a = 0.6$$

or

$$F_v \geq \sqrt{(f_v)^2 + (k_f \cdot f_t)^2}$$

$$\text{set} \quad TEMP_{ab} := \sqrt{(f_{vab})^2 + (k_a \cdot f_{tab})^2}$$

$$TEMP_{ab} = \frac{11391}{1.391} = 8190 \text{ psi}$$

$$TEMP_{ab} \leq F_{vab}$$

Anchor Bolt Shear := **OK**

**ANCHOR BOLT ANALYSIS (CONTINUED)**

**DEVELOPPEMENT LENGHT**

Definitions  
 Compressive Strength of Concrete  
 Tensile Stress on one Anchor Bolt  
 Nominal Anchor Bolt Diameter  
 Anchor bolt length  
 Anchor bolt projection  
 Coefficient for #11 bar and smaller (ACI 318-83 (12.5.3.2)) =

*18980*  
 $f_c = 3000$  psi  
 $f_{tab} = 13427$  psi  
 $D_{ab} = 1$  in  
 $AB_{length} = 36$  in  
 $AB_{hook} = 4$  in  
 $PROJ_{lab} = 3$  in  
 = 0.7

Bond Stress According to [ACI 1963 (1301 (1))] the Bond Stress for plain bars shall be one half of the Bond Stress for deformed bars, but no more that 160 psi.

$$U_u := \frac{4.8 \cdot \text{in} \cdot \sqrt{f_c}}{2 \cdot d_b} \quad U_u = 131.453414 \text{ psi}$$

$$U_u := \text{if}(U_u \geq 160, 160, U_u) \text{ psi}$$

Development Length

$$L_d := f_{tab} \cdot \frac{d_b \cdot 0.7}{4 \cdot U_u} \cdot \frac{18980}{13427} \quad L_d = 17.87 \text{ in}$$

Actual Embedded Length

$$L_{em} := AB_{length} + AB_{hook} - PROJ_{ab} \quad L_{em} = 37 \text{ in}$$

$$L_d \leq L_{em}$$

Anchor Bolt Length := **OK**

**CONNECTOR BOLT ANALYSIS**

**LOAD DATA**

Combined Wind Shear on Shaft Assembly  
 $V_{wcb} := V_c \quad V_{wcb} = 516.1 \text{ lbf}$

Combined Wind Moment at Base of Shaft  
 $M_{wcb} := M_c \quad M_{wcb} = 13118.5 \text{ lbf}$

Torsional Moment on Shaft Assembly  
 $T_{wcb} := MA_{warm} \quad T_{wcb} = 0.0 \text{ lbf}$

**CONNECTOR BOLT STRESS** NOTE: The assumption is made that only one connector bolt will resist bending moment. Any pre-existing bolt forces are ignored.

Connector Bolt Data

Nominal Connector Bolt Diameter  $D_{cb} = 1$  in  
 Number of Threads per Inch  $n_a = 8$  tpi  
 Connecting Bolt Tensile Strength Area  $A_{cb} := \frac{\pi}{4} \left( D_{cb} - \frac{0.9743}{n_c} \right)^2$   
 $A_{cb} = 0.606 \text{ in}^2$   
 Minimum Connector Bolt Circle  $CBC = 11$  in  
 Minimum Connector Bolt Radius  $CBR = 5.5$  in  
 Minimum Connector Bolt Square  $CBSQ = 7.778$  in  
 Minimum Yield Stress  $F_y = 90000$  psi

Tension

Assuming one connector bolt resists tension load

$$T_{cb} := \frac{M_{wcb}}{CBC} \quad T_{cb} = 14311.1 \frac{\text{lbf}}{\text{bolt}}$$

Shear

Total wind shear on shaft assembly (per bolt)

$$V_{cb} := \frac{V_{wcb}}{4 \cdot \text{bolt}} \quad V_{cb} = 129 \frac{\text{lbf}}{\text{bolt}}$$

Shear from torsion (per bolt)

$$V_{Tcb} := \frac{T_{wcb}}{CBR \cdot 4 \cdot \text{bolt}} \quad V_{Tcb} = 0 \frac{\text{lbf}}{\text{bolt}}$$

Resultant shear (per bolt)

$$V_{Rcb} := V_{cb} + V_{Tcb} \quad V_{Rcb} = 129 \frac{\text{lbf}}{\text{bolt}}$$

Bolt Stress

Tensile Stress

$$f_{tcb} := \frac{T_{cb}}{A_{cb}} \quad f_{tcb} = 23626 \text{ psi}$$

Shear Stress

$$f_{vcb} := \frac{V_{Rcb}}{A_{cb}} \quad f_{vcb} = 213 \text{ psi}$$



## CONNECTOR BOLT ANALYSIS

Allowable Stresses calculated according to AASHTO Section 1.3.4(D)(2)

Allowable Tensile Stress

$$F_{tcb} := 0.5 \cdot F_y \cdot 1.4$$

$$F_{tcb} = 63000 \text{ psi}$$

$$f_{tcb} \leq F_{tcb}$$

Connector Bolt Tension := **OK**

Allowable Shear Stress

$$F_{vcb} := 0.3 \cdot F_y \cdot 1.4$$

$$F_{vcb} = 37800 \text{ psi}$$

Bolts in bearing type connections subject to a combined loading of shear and tension shall be proportioned in accordance with the following:

$$F_v^2 \geq (f_v)^2 + (kf_t)^2 \quad \text{where} \quad k_c := \frac{F_{vcb}}{F_{tcb}} \quad k_c = 0.6$$

or

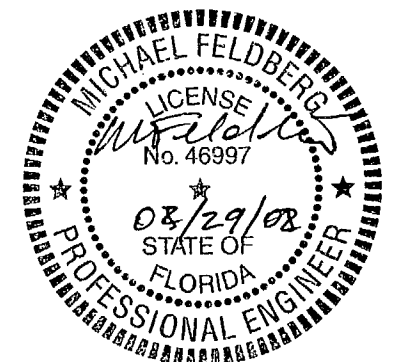
$$F_v \geq \sqrt{(f_v)^2 + (kf_t)^2}$$

$$\text{set } TEMP_{cb} := \sqrt{(f_{vcb})^2 + (k_c \cdot f_{tcb})^2}$$

$$TEMP_{cd} = 14177 \text{ psi}$$

$$TEMP_{cd} \leq F_{vcb}$$

Connector Bolt Shear := **OK**



16.02.027



**METRIC ENGINEERING, INC.**  
 11300 Lindbergh Blvd., Ste. # 113  
 Fort Myers, FL 33913  
 Phone (239) 313-4080 Fax: (239) 313-4099

**TRANSMITTAL**

Date: 09/30/2008

**To: Mr. Richard A. Dun, PE**  
 ACCI/API Joint Venture  
 12751 Westlinks Drive, Units 1 & 2  
 Fort Myers, Florida 33913

**From: Edwin Santana**  
**RE:** I-75 DBF Project  
 From North of Golden Gate Blvd. to South of  
 Colonial Blvd.,  
 FIN # 420655-1-52-01  
 FAP # S113001R, etc.  
 Contract #: E1F59  
 County: Collier/Lee

**We are sending you the attached via:**

<input type="checkbox"/> US Mail	<input type="checkbox"/> FedEx	<input checked="" type="checkbox"/> Hand Delivery	<input type="checkbox"/> Email
<input type="checkbox"/> Original(s)	<input type="checkbox"/> Disk(s)	<input type="checkbox"/> Submittal(s)	<input type="checkbox"/> Other

Comments:

Original	Copy	Date	Description
	1	09/30/2008	RFC Sound Barrier Wall 2 Southern Pines CS-SD14

**Transmitted for:**

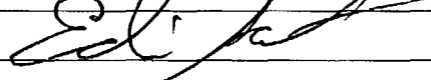
<input type="checkbox"/> Approval	<input type="checkbox"/> Corrections	<input type="checkbox"/> Review & Comments	
<input type="checkbox"/> Action	<input checked="" type="checkbox"/> As requested	<input type="checkbox"/> Use & Information	<input type="checkbox"/> Other

**Remarks:** Please find attached RFC Sound Barrier Wall 2 Southern Pines CS-SD14

for your use and information.

Should you have any questions or comments, please do not hesitate to contact this office.

Recipient Signature: \_\_\_\_\_ Date: \_\_\_\_\_

File: 9-15.02 Signed:  Date: 9/30/08  
 Edwin Santana, Senior Project Engineer

Project: SR 93 (I-75) Widening (D-B-F from N. Golden Gate to S. Colonial)

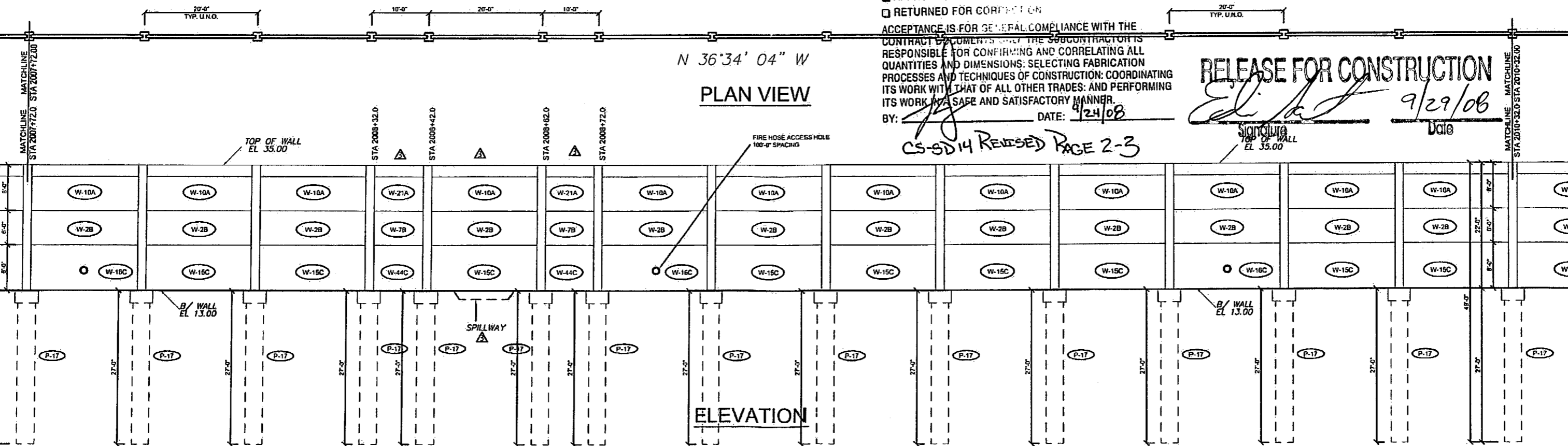
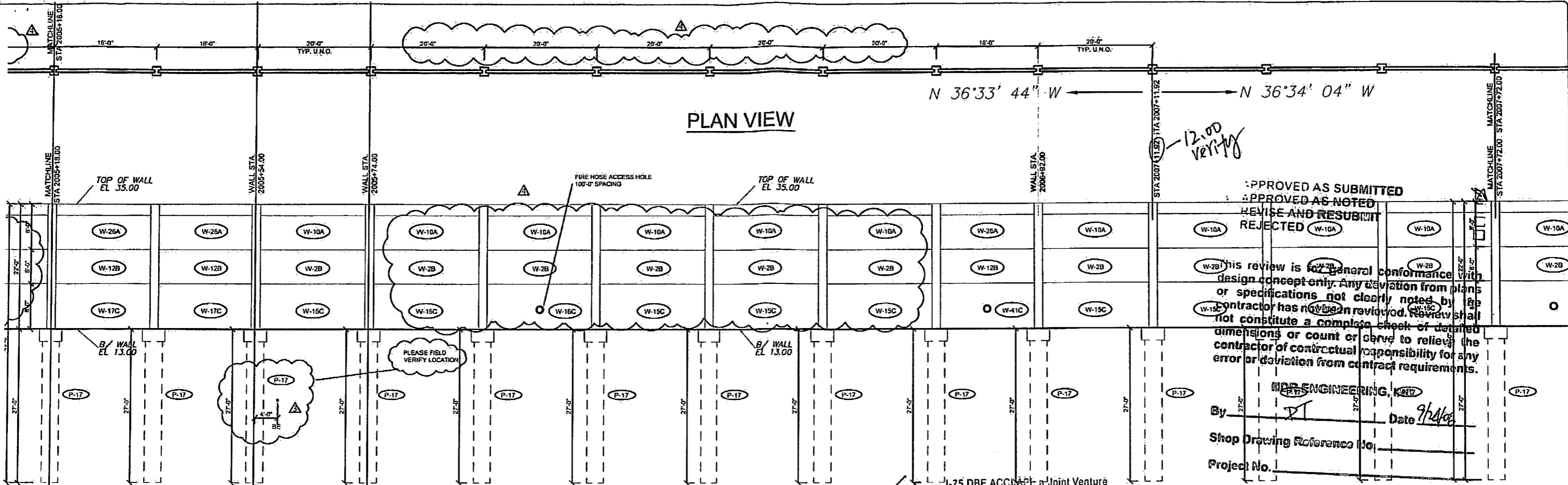
Financial Project Number: 420655-1-52-01

Federal Aid Project Numbers: S113 001 R, S113 002 R, SFTL 175 R,

SFTL 186 R, SFTL 291 R, and SFTL 313 R

**SOUND WALLS**





-12.00  
Verify

APPROVED AS SUBMITTED  
APPROVED AS NOTED  
REVISE AND RESUBMIT  
REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

By: [Signature] Date: 9/24/08  
Shop Drawing Reference No: \_\_\_\_\_  
Project No: \_\_\_\_\_

I-75 DBF ACCIDENT, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
BY: [Signature] DATE: 9/24/08

RELEASE FOR CONSTRUCTION  
[Signature] 9/29/08  
Signature Date

CS-SD14 REVISED PAGE 2-3

Rev. No.	Date	Description
1	07/10/08	ISSUE FOR PERMITS
2	07/10/08	GENERAL REVISIONS
3	07/10/08	GENERAL REVISIONS
4	07/10/08	GENERAL REVISIONS TO PANEL LAYOUT

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY MDR ENGINEERING, INC.  
DWG 1 THRU DWG 5 DATED 04/10/07  
DWG 1 THRU DWG 2 DATED 07/07

Drawn By: J.R.A.  
Date: 01/02/08  
Checked By: J.A.H.  
Date: 01/16/08

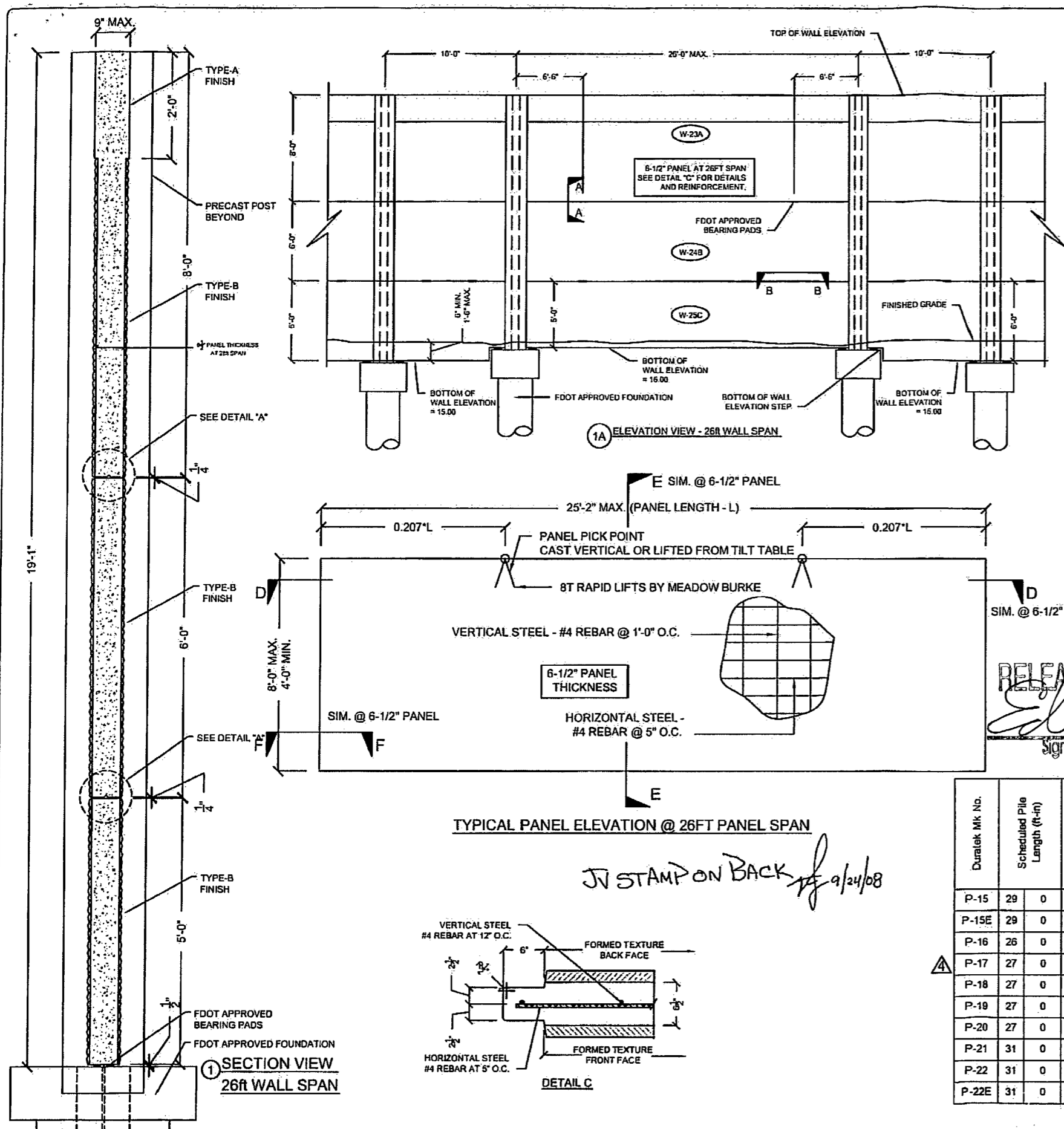
**Florida Engineering**  
S I E I  
C.A. No. 26300 - 12630 Curley St., Suite 101 - San Antonio, TX 78218  
Ph: 210/588-5311 Fax: 210/588-5411 Web: www.floridaing.com

**Subtek**  
Concrete Products  
John A. Hoy, P.E.  
September 27th, 2008  
Florida License Number 45312

**The Edge in Perimeter Walls**  
Concrete Precast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0829  
Tel: 800/754-3641 Fax: 352/798-5944

SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
SHOP DRAWING (STA 2005+10.00 - 2010+32.00)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
SHEET NO. X1.11



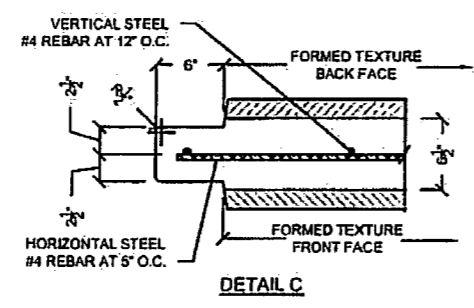
DURATEK PRECAST WALL PANEL SCHEDULE  
SOUND BARRIER WALL (SOUTHERN PINES)

Duratek Mk. No.	Panel Length (ft-in)	Panel Height (ft-in)	Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number					Total Panel Quantity	Total Panel Square Footage	Remarks		
						X1.10	X1.11	X1.12	X1.13	X1.14					
W-2B	19	2	6	0	5	Type-B	Type-B	25	22	26	23	19	115	13225.0	
W-3C	19	2	6	0	5	Type-B	Type-B				1		1	115.0	Fire Hose Access Hole
W-4C	19	2	6	0	5	Type-B	Type-B				1		1	115.0	Fire Hose Access Hole
W-7B	9	2	6	0	5	Type-B	Type-B		2		4		6	330.0	
W-8C	9	2	6	0	5	Type-B	Type-B				2		2	110.0	
W-10A	19	2	8	0	5	Type-B	Type-B	25	22	26	23	19	115	17633.3	2ft Type-A Finish at Top
W-12B	17	2	8	0	5	Type-B	Type-B	1	3				4	412.0	
W-15C	19	2	8	0	5	Type-B	Type-B	19	18	21	13	13	84	12880.0	
W-16C	19	2	8	0	5	Type-B	Type-B	6	4	5	4	3	22	3373.3	Fire Hose Access Hole
W-17C	17	2	8	0	5	Type-B	Type-B	1	2				3	412.0	
W-18C	19	2	8	0	5	Type-B	Type-B						2	306.7	Bottom of Wall - Elev. Step
W-19C	18	2	7	0	5	Type-B	Type-B						3	402.5	
W-20C	19	2	7	0	5	Type-B	Type-B						1	134.2	Bottom of Wall - Elev. Step
W-21A	9	2	8	0	5	Type-B	Type-B		2	4			6	440.0	2ft Type-A Finish at Top
W-22C	9	2	8	0	5	Type-B	Type-B						2	110.0	Bottom of Wall - Elev. Step
W-23A	25	2	8	0	6.5	Type-B	Type-B						2	201.3	2ft Type-A Finish at Top
W-24B	25	2	6	0	8.5	Type-B	Type-B						1	151.0	
W-25C	25	2	5	0	6.5	Type-B	Type-B						1	125.8	
W-26A	17	2	8	0	5	Type-B	Type-B						1	549.3	2ft Type-A Finish at Top
W-32C	19	2	7	0	5	Type-B	Type-B						1	134.2	Fire Hose Access Hole
W-41C	17	2	8	0	5	Type-B	Type-B						1		Fire Hose Access Hole
W-44C	9	2	8	0	5	Type-B	Type-B						2		
											378	51161			

RELEASE FOR CONSTRUCTION  
*Edie*  
 Signature  
 9/29/08  
 Date

DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (SOUTHERN PINES)

Duratek Mk No.	Scheduled Pile Length (ft-in)	Scheduled Wall Height (ft-in)	Precast Post Length (ft-in)	W12x79 Overall Length (ft-in)	Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number					Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)	Remarks		
							X1.10	X1.11	X1.12	X1.13	X1.14							
P-15	29	0	22	7	50	5	Type-A	Type-A	14					14	316.2	705.6	557.6	
P-15E	29	0	22	7	50	5	Type-A	Type-A	1					1	22.6	50.4	38.8	END POST
P-16	26	0	22	7	47	5	Type-A	Type-A	4					4	90.3	189.7	149.8	
P-17	27	0	22	7	48	5	Type-A	Type-A	7	27	26	19		78	1761.5	3778.5	2983.4	
P-18	27	0	21	7	47	5	Type-A	Type-A			2	2		4	86.3	189.7	149.8	
P-19	27	0	20	7	46	5	Type-A	Type-A			6			6	123.5	278.5	220.0	
P-20	27	0	19	7	45	5	Type-A	Type-A			2			2	39.2	90.8	71.8	
P-21	31	0	21	7	51	5	Type-A	Type-A				1		1	21.8	51.4	40.6	
P-22	31	0	22	7	52	5	Type-A	Type-A				16		16	381.3	838.7	682.5	
P-22E	31	0	22	7	52	5	Type-A	Type-A				1		1	22.8	52.4	41.4	END POST
											127	2845.1	6223.9	4916.9				



JV STAMP ON BACK 9/24/08

Rev. No.	Date	By	Description
1	07/17/07	J.A.H.	COMMERCIAL REVISIONS
2	07/17/07	J.A.H.	GENERAL REVISIONS
3	07/17/07	J.A.H.	GENERAL REVISIONS
4	07/17/07	J.A.H.	REVISIONS TO PANEL LAYOUT

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC.  
 DW-1 THRU DW-5 DATED 04/7 AND 10/07  
 DW2-1 THRU DW2-3 DATED 04/07

Drawn By: J.A.H.  
 Date: 01/02/05  
 Checked By: J.A.H.  
 Date: 01/16/05

**Engineering**  
 CORPORATION  
 2001 A. Hwy. P.A.  
 Florida License Number: 63312

**DURATEK**  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2100 American Flyer Way, Doral, FL 33104-6329  
 Tall Fm: 800/754-3641 Ph: 352/798-5244 Fax: 352/798-8233 Website: www.duratek.com

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO: 07-2055-701  
 SHEET NO: X2.3

- 1 APPROVED AS SUBMITTED
- 2 APPROVED AS NOTED
- 3 REVISE AND RESUBMIT
- 4 REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By DT Date 9/24/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

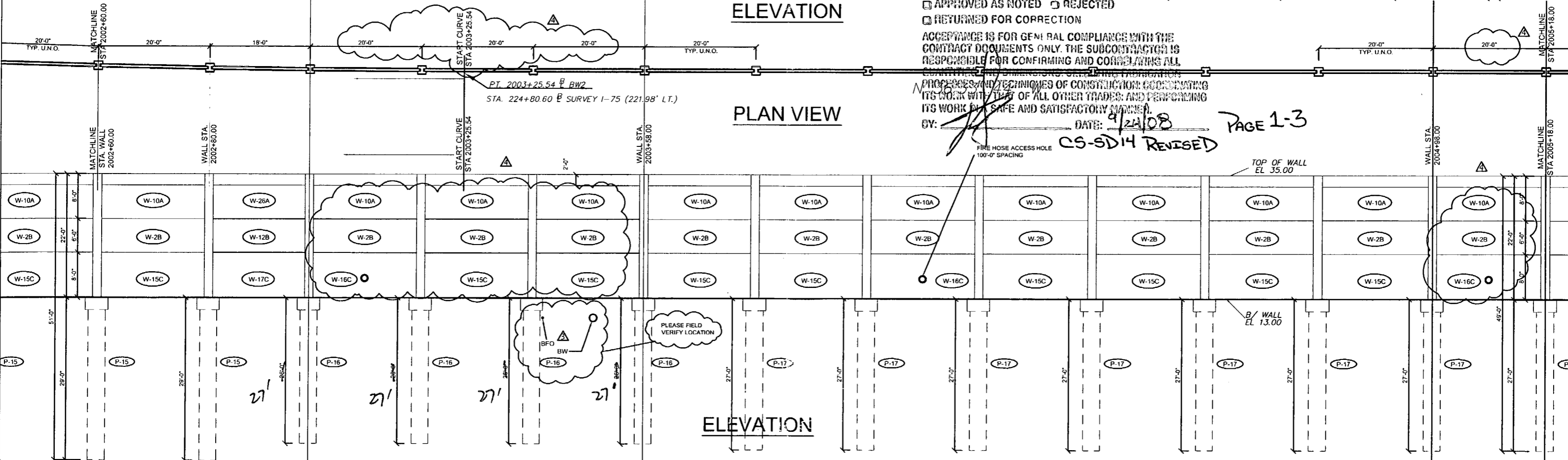
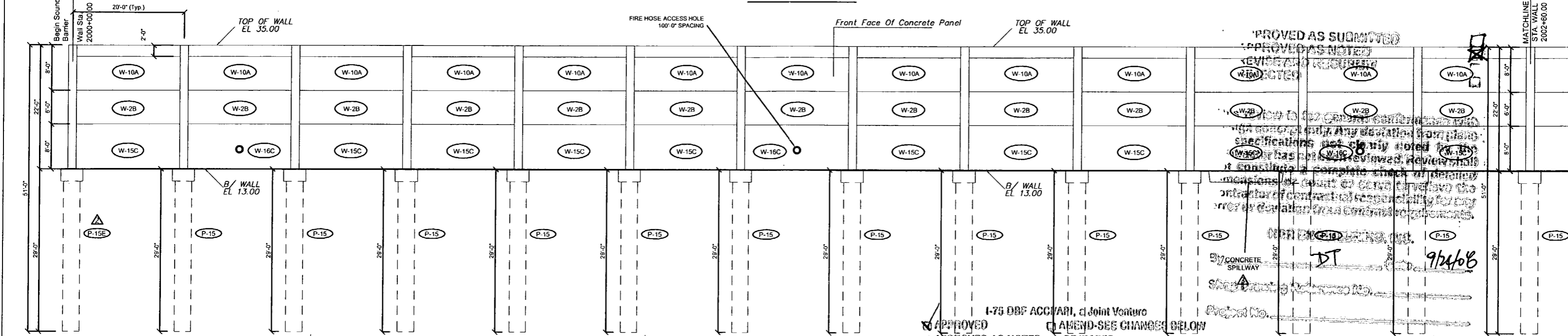
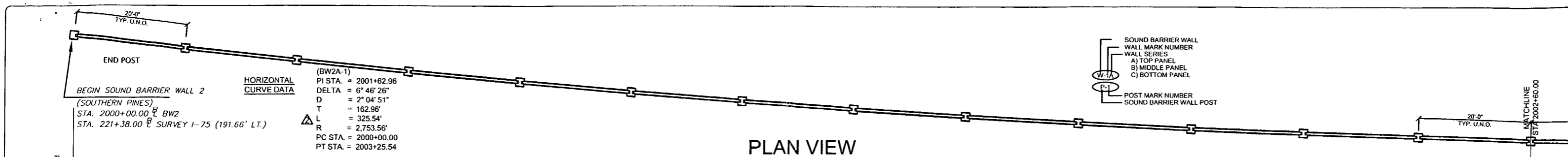
I-75 DBF ACCI/API, a Joint Venture

- APPROVED  AMEND-SEE CHANGES BELOW
- APPROVED AS NOTED  REJECTED
- RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 9/24/08

CS-SM REVISED PAGE 3-3



<b>REVISIONS</b> Rev. No.   Date   Description 1   07/18/08   Comments Received 02/18/08 - Fire Access Hole Locations - Foundation at Spillway 2   04/15/08   GENERAL REVISIONS 3   05/13/08   GENERAL REVISIONS 4   09/17/08   REVISIONS TO PANEL LAYOUT		SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC. BW-1 THRU BW-5 DATED 6/07 AND 10/07 BW-2 THRU BW-3 DATED 9/07		Drawn By: J.R.A. Date: 01/02/08 Checked By: J.A.H. Date: 01/18/08		 Florida Engineering Solutions C.A. No. 28300 - 12830 Curley St., Suite 101 - San Antonio, FL 78247 Ph. 352 / 588 - 5311 Fax 352 / 588 - 5411 Web: www.florida-engineering.com		 DURATEK PRECAST TECHNOLOGIES The Edge in Perimeter Walls Concrete Pre-cast Buffer Walls Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829 Toll Free: 800/754-3541 Ph: 352/795-5944 Fax: 352/795-5933 Website: www.duratek.net		SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION SHOP DRAWING (STA 2000+00.00 - 2005+10.00) SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD PROJECT NO. 07-2055-701 SHEET NO. X1.10	
--	--	--	--	--	--	---	--	--	--	---	--

PROVED AS SUBMITTED  
 APPROVED AS NOTED  
 REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AND DIMENSIONS OF CONSTRUCTION. COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

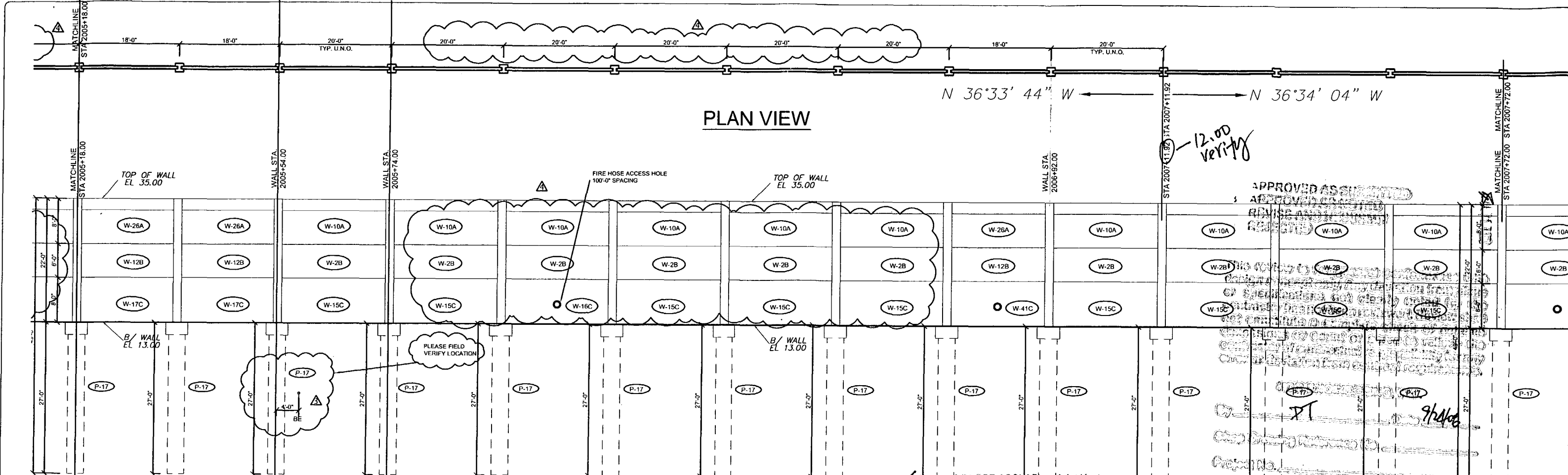
BY: [Signature] DATE: 9/24/08  
 CS-SD14 REVISED

AMEND-SEE CHANGES BELOW

CONCRETE SPILLWAY DT 9/24/08

PLEASE FIELD VERIFY LOCATION

BFO  
 BW  
 P-16

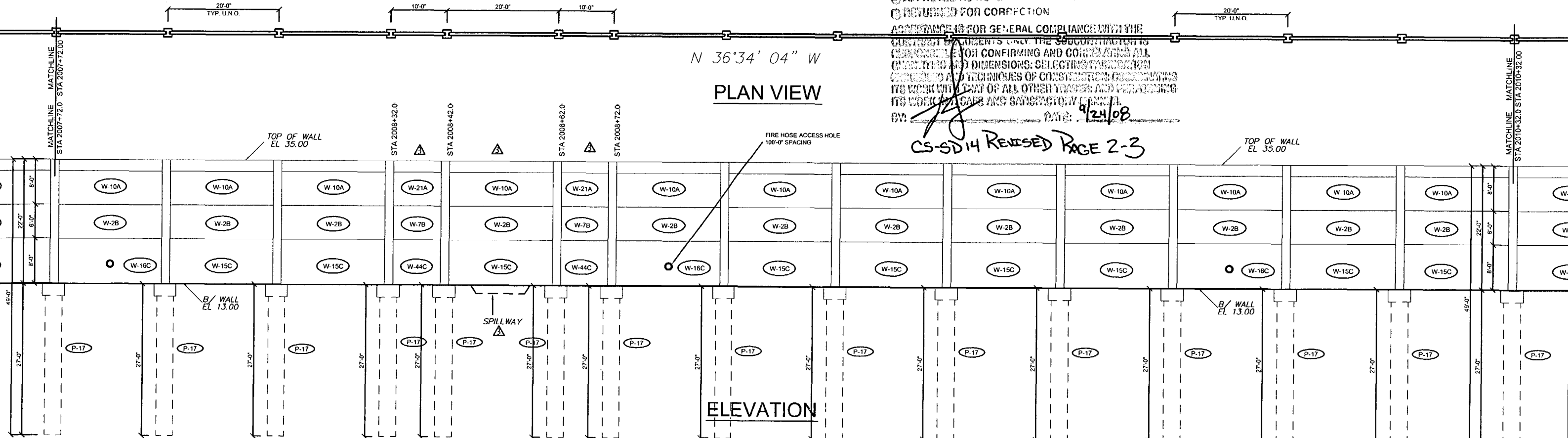


PLAN VIEW

ELEVATION

APPROVED AS NOTED  
 AMEND-SEE CHANGES BELOW  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE  
 CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS  
 RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL  
 QUANTITIES AND DIMENSIONS; SELECTING FABRICATION  
 METHODS AND TECHNIQUES OF CONSTRUCTION; COORDINATING  
 ITS WORK WITH THAT OF ALL OTHER TRADES; AND PREPARING  
 ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 9/24/08

CS-SD14 REVISED PAGE 2-3



PLAN VIEW

ELEVATION

Rev. No.	Date	Description
1	02/18/08	Comments Received 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/15/08	GENERAL REVISIONS
3	05/13/08	GENERAL REVISIONS
4	09/17/08	REVISIONS TO PANEL LAYOUT

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY: HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 8/6/07 AND 10/07  
 BW2-1 THRU BW2-3 DATED 8/07

Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08



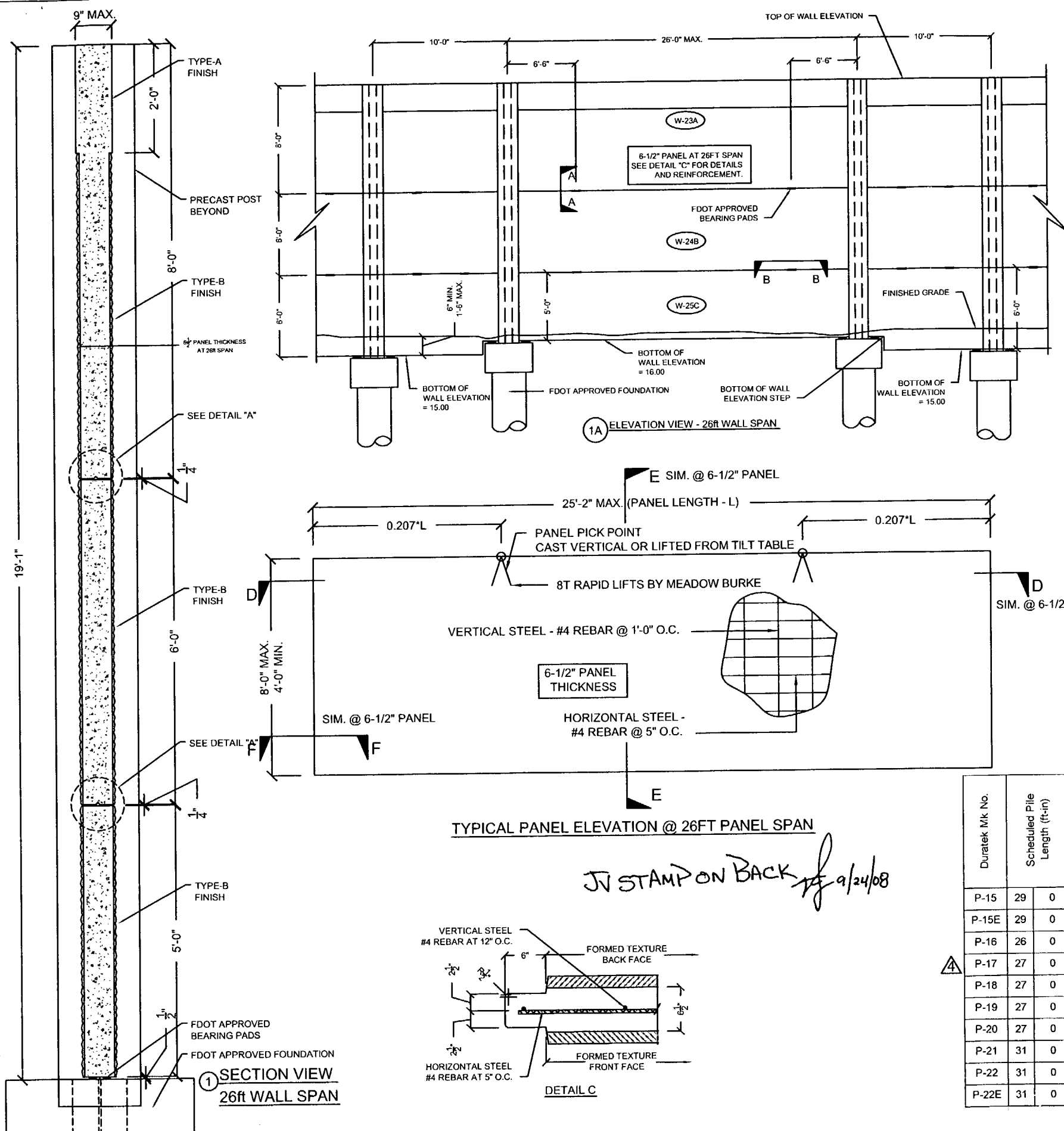
September 22nd, 2008  
 John A. Hoy, P.E.  
 Florida License Number 55312



The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
 Toll Free: 800/754-3841 Ph: 352/798-5944 Fax: 352/798-5933 Website: www.duratek.net

SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
 SHOP DRAWING (STA 2005+10.00 - 2010+32.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.11





DURATEK PRECAST WALL PANEL SCHEDULE  
SOUND BARRIER WALL (SOUTHERN PINES)

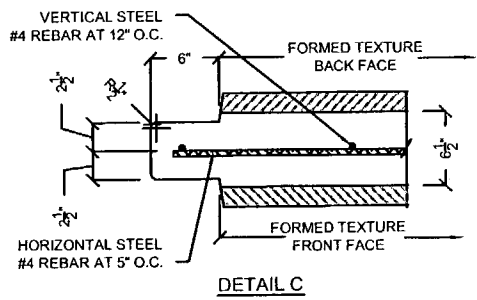
Duratek Mk No.	Panel Length (ft-in)	Panel Height (ft-in)	Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number					Total Panel Quantity	Total Panel Square Footage	Remarks		
						X1.10	X1.11	X1.12	X1.13	X1.14					
W-2B	19	2	6	0	5	Type-B	Type-B	25	22	26	23	19	115	13225.0	
W-3C	19	2	6	0	5	Type-B	Type-B				1		1	115.0	Fire Hose Access Hole
W-4C	19	2	6	0	5	Type-B	Type-B				1		1	115.0	Fire Hose Access Hole
W-7B	9	2	6	0	5	Type-B	Type-B		2		4		6	330.0	
W-8C	9	2	6	0	5	Type-B	Type-B				2		2	110.0	
W-10A	19	2	8	0	5	Type-B	Type-B	25	22	26	23	19	115	17633.3	2ft Type-A Finish at Top
W-12B	17	2	6	0	5	Type-B	Type-B	1	3				4	412.0	
W-15C	19	2	8	0	5	Type-B	Type-B	19	18	21	13	13	84	12880.0	
W-16C	19	2	8	0	5	Type-B	Type-B	6	4	5	4	3	22	3373.3	Fire Hose Access Hole
W-17C	17	2	8	0	5	Type-B	Type-B	1	2				3	412.0	
W-18C	19	2	8	0	5	Type-B	Type-B				1	1	2	306.7	Bottom of Wall - Elev. Step
W-19C	19	2	7	0	5	Type-B	Type-B				1	2	3	402.5	
W-20C	19	2	7	0	5	Type-B	Type-B				1		1	134.2	Bottom of Wall - Elev. Step
W-21A	9	2	8	0	5	Type-B	Type-B		2				6	440.0	2ft Type-A Finish at Top
W-22C	9	2	6	0	5	Type-B	Type-B				2		2	110.0	Bottom of Wall - Elev. Step
W-23A	25	2	8	0	6.5	Type-B	Type-B				1		1	201.3	2ft Type-A Finish at Top
W-24B	25	2	6	0	6.5	Type-B	Type-B				1		1	151.0	
W-25C	25	2	5	0	6.5	Type-B	Type-B				1		1	125.8	
W-26A	17	2	8	0	5	Type-B	Type-B	1	3				4	549.3	2ft Type-A Finish at Top
W-32C	19	2	7	0	5	Type-B	Type-B				1		1	134.2	Fire Hose Access Hole
W-41C	17	2	8	0	5	Type-B	Type-B		1				1		Fire Hose Access Hole
W-44C	9	2	8	0	5	Type-B	Type-B		2				2		
											<b>378</b>	<b>51161</b>			

DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (SOUTHERN PINES)

Duratek Mk No.	Scheduled Pile Length (ft-in)	Scheduled Wall Height (ft-in)	Precast Post Length (ft-in)	W12x79 Overall Length (ft-in)	Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number					Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)	Remarks			
							X1.10	X1.11	X1.12	X1.13	X1.14								
P-15	29	0	22	0	22	7	50	5	Type-A	Type-A	14				14	316.2	705.8	557.6	
P-15E	29	0	22	0	22	7	50	5	Type-A	Type-A	1				1	22.6	50.4	39.8	END POST
P-16	26	0	22	0	22	7	47	5	Type-A	Type-A	4				4	90.3	189.7	149.8	
P-17	27	0	22	0	22	7	48	5	Type-A	Type-A	7	27	26	18	78	1761.5	3776.5	2983.4	
P-18	27	0	21	0	21	7	47	5	Type-A	Type-A		2	2		4	86.3	189.7	149.8	
P-19	27	0	20	0	20	7	46	5	Type-A	Type-A		6			6	123.5	278.5	220.0	
P-20	27	0	19	0	19	7	45	5	Type-A	Type-A		2			2	39.2	90.8	71.8	
P-21	31	0	21	0	21	7	51	5	Type-A	Type-A			1		1	21.6	51.4	40.6	
P-22	31	0	22	0	22	7	52	5	Type-A	Type-A			16		16	361.3	838.7	662.5	
P-22E	31	0	22	0	22	7	52	5	Type-A	Type-A			1		1	22.6	52.4	41.4	END POST
											<b>127</b>	<b>2845.1</b>	<b>6223.9</b>	<b>4916.9</b>					

TYPICAL PANEL ELEVATION @ 26FT PANEL SPAN

JV STAMP ON BACK 9/24/08



Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/15/08	GENERAL REVISIONS
3	05/13/08	GENERAL REVISIONS
4	05/17/08	REVISIONS TO PANEL LAYOUT

SHOW DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC.  
BW-1 THRU BW-5 DATED 6/07 AND 10/07  
BW-1 THRU BW-3 DATED 6/07

Drawn By: J.R.A.  
Date: 01/02/08  
Checked By: J.A.H.  
Date: 01/18/08

**Florida Engineering**  
C.A. No. 26300 - 12630 Curley Sl. - Suite 101 - San Antonio, FL 32878  
Ph: 352/588-5311 Fax: 352/588-5411 Web: www.floridaing.com

September 27th, 2008  
John A. Hoy, P.E.  
Florida License Number 85312

**DURATEK**  
PRECAST TECHNOLOGIES

**The Edge in Perimeter Walls**  
Concrete Pro-cast Buffer Walls

Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
Toll Free: 800/754-3541 Ph: 352/796-5944 Fax: 352/796-5933 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES

SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
SHEET NO. X2.3

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By DI Date 9/24/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

- APPROVED  AMEND-SEE CHANGES BELOW
- APPROVED AS NOTED  REJECTED
- RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 9/24/08

CS-SM REVISED PAGE 3-3



**LETTER OF TRANSMITTAL**

November 14, 2008

To: ACCI/API, a Joint Venture

12757 Westlinks Dr.  
Fort Myers, FL 33913  
Attention: Felipe Jaramillo

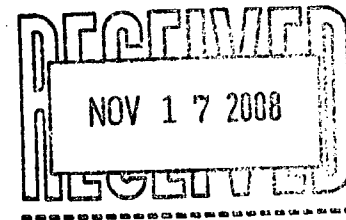
We Are Sending You:  Attached \_\_\_ Under Separate, Via \_\_\_ The Following Items:  
 Shop Drawings \_\_\_ Contract Drawings \_\_\_ Calculations \_\_\_ Submittals  
 \_\_\_ Copy of Letter \_\_\_ Estimate \_\_\_ Report \_\_\_ Other

Copies	Date	Description
2	11/14/08	Southern Pines-Sound Barrier Wall--#5

These are transmitted as described below:

For Approval  Approved as Submitted \_\_\_ Resubmitt \_\_\_  
 For Your Use \_\_\_ Approved as Noted \_\_\_ Submit \_\_\_  
 As Requested \_\_\_ Returned for Corrections \_\_\_ Return \_\_\_  
 For Review and Comment \_\_\_  
 For Bid Purpose \_\_\_  
 Other \_\_\_

Remarks:



16.02.028



**METRIC ENGINEERING, INC.**  
 11300 Lindbergh Blvd., Ste. # 113  
 Fort Myers, FL 33913  
 Phone (239) 313-4080 Fax: (239) 313-4099

**TRANSMITTAL**

Date: 11/24/08

To: **Mr. Richard A. Dun, PE**  
 Project Director  
 ACCI/API Joint Venture  
 12751 Westlinks Drive, Units 1 & 2  
 Fort Myers, Florida 33913

From: **Mr. Edwin Santana**  
 RE: I-75 DBF Project  
 From North of Golden Gate Blvd. to South of  
 Colonial Blvd.,  
 FIN # 420655-1-52-01  
 FAP # S113001R, etc.  
 Contract #: E1F59  
 County: Collier/Lee

We are sending you the attached via:

<input type="checkbox"/>	US Mail	<input type="checkbox"/>	FedEx	<input checked="" type="checkbox"/>	Hand Delivery	<input type="checkbox"/>	Email
<input checked="" type="checkbox"/>	Original(s)	<input type="checkbox"/>	Disk(s)	<input type="checkbox"/>	Submittal(s)	<input type="checkbox"/>	Other

Comments:

Original	Copy	Date	Description
1		11/24/08	RFC Southern Pines Noisewall Utility Conflict Redesign R2

Transmitted for:

<input type="checkbox"/>	Approval	<input type="checkbox"/>	Corrections	<input type="checkbox"/>	Review & Comments	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	Action	<input type="checkbox"/>	As requested	<input type="checkbox"/>	Use & Information	<input type="checkbox"/>	Other

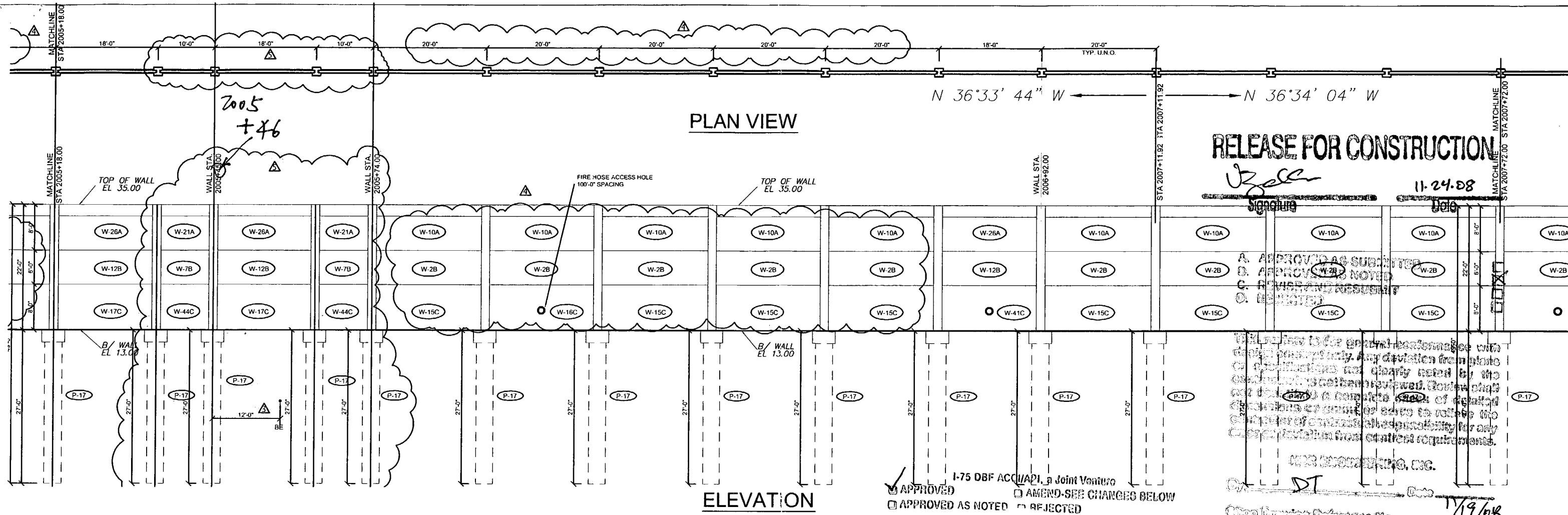
Remarks: Please find attached RFC Southern Pines Noisewall Utility Conflict Redesign R2.

No copies are needed.

Should you have any questions or comments, please do not hesitate to contact this office.

Recipient Signature: \_\_\_\_\_ Date: \_\_\_\_\_

File: 9-15.02 Signed: *Edwin Santana* Date: 11/24/08  
 Edwin Santana, Senior Project Engineer



**RELEASE FOR CONSTRUCTION**

*J. Zell*  
 11-24-08  
 Signature Date

A. APPROVED AS SUBMITTED  
 B. APPROVED AS NOTED  
 C. REVISED AND RESUBMITTED  
 D. REJECTED

I, the undersigned, as a duly licensed Professional Engineer with design authority, have reviewed the design and construction details of the above project and find them to be in accordance with the applicable codes and standards. I hereby certify that the design and construction details are complete and correct for the purpose of construction. I accept full responsibility for any errors or omissions in this document.

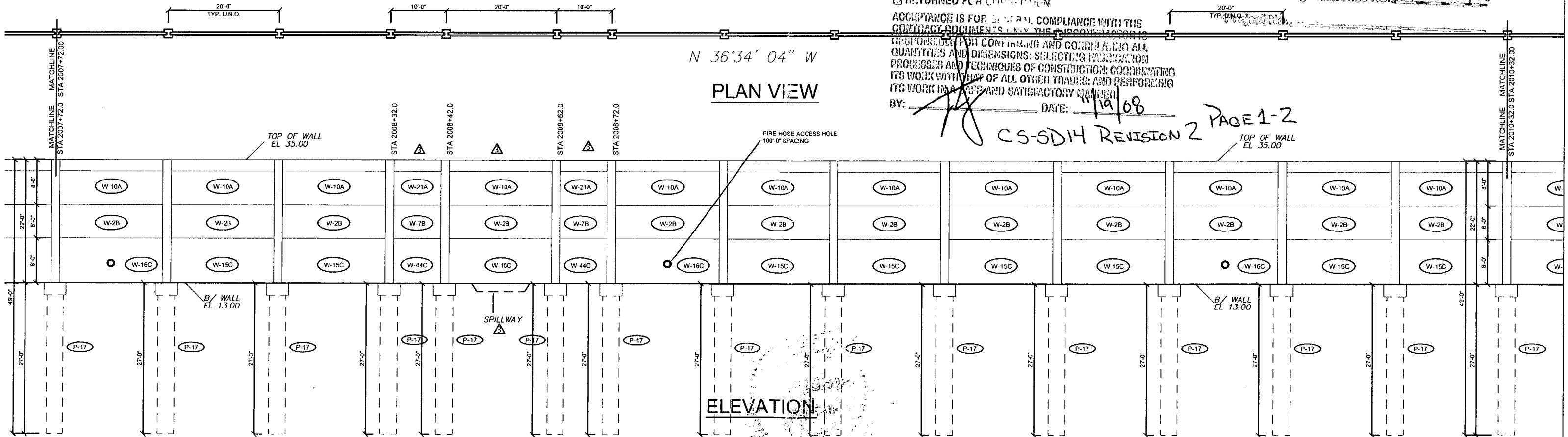
*J. Zell*  
 J. Zell, P.E.  
 J. Zell Engineering, Inc.  
 11/19/08

APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS AND THE ENGINEER IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *J. Zell* DATE: 11/19/08

CS-SD14 REVISION 2 PAGE 1-2



No.	Date	Description
1	02/11/08	Comments Record 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	02/11/08	GENERAL REVISIONS
3	05/13/08	GENERAL REVISIONS
4	09/17/08	REVISIONS TO PANEL LAYOUT
5	11/14/08	REVISIONS TO PANEL LAYOUT

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-3 DATED 6/07 AND 10/07  
 BW-2 THRU BW-3 DATED 9/07

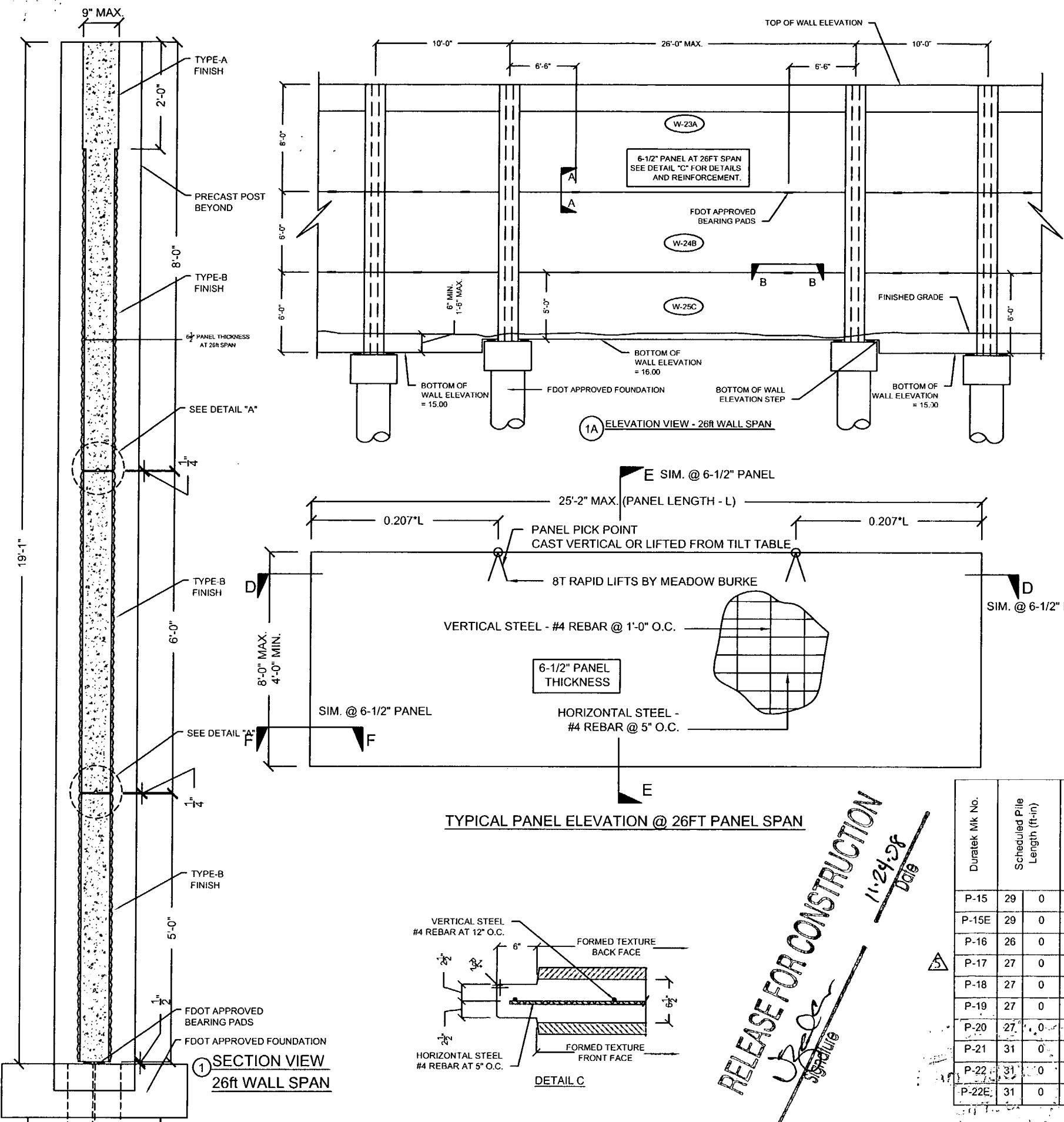
Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**  
 C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33176  
 Ph: 352/588-5311 Fax: 352/588-5411 Web: www.floridaing.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 November 14th, 2006  
 John A. Hoy, P.E.  
 Florida License Number 65312

**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
 Toll Free: 800/754-3641 Fax: 352/796-5944 Fax: 352/796-5933 Website: www.duratek.net

SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
 SHOP DRAWING (STA 2005+10.00 - 2010+32.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2056-701  
 SHEET NO. X1.11



**DURATEK PRECAST WALL PANEL SCHEDULE  
SOUND BARRIER WALL (SOUTHERN PINES)**

Duratek Mk No.	Panel Length (ft-in)	Panel Height (ft-in)	Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number					Total Panel Quantity	Total Panel Square Footage	Remarks		
						X1.10	X1.11	X1.12	X1.13	X1.14					
W-2B	19	2	6	0	5	Type-B	Type-B	25	21	26	23	19	114	13110.0	
W-3C	19	2	6	0	5	Type-B	Type-B				1		1	115.0	
W-4C	19	2	6	0	5	Type-B	Type-B				1		1	115.0	Fire Hose Access Hole
W-7B	9	2	6	0	5	Type-B	Type-B		4		4		8	440.0	
W-8C	9	2	6	0	5	Type-B	Type-B				2		2	110.0	
W-10A	19	2	8	0	5	Type-B	Type-B	25	21	26	23	19	114	17480.0	2ft Type-A Finish at Top
W-12B	17	2	6	0	5	Type-B	Type-B	1	3				4	412.0	
W-15C	19	2	8	0	5	Type-B	Type-B	19	17	21	13	13	83	12726.7	
W-16C	19	2	8	0	5	Type-B	Type-B	6	4	5	4	3	22	3373.3	Fire Hose Access Hole
W-17C	17	2	8	0	5	Type-B	Type-B	1	2				3	412.0	
W-18C	19	2	8	0	5	Type-B	Type-B				1	1	2	306.7	Bottom of Wall - Elev. Step
W-19C	19	2	7	0	5	Type-B	Type-B				1	2	3	402.5	
W-20C	19	2	7	0	5	Type-B	Type-B				1		1	134.2	Bottom of Wall - Elev. Step
W-21A	9	2	8	0	5	Type-B	Type-B		4		4		8	586.7	2ft Type-A Finish at Top
W-22C	9	2	6	0	5	Type-B	Type-B				2		2	110.0	Bottom of Wall - Elev. Step
W-23A	25	2	8	0	6.5	Type-B	Type-B				1		1	201.3	2ft Type-A Finish at Top
W-24B	25	2	6	0	6.5	Type-B	Type-B				1		1	151.0	
W-25C	25	2	5	0	6.5	Type-B	Type-B				1		1	125.8	
W-26A	17	2	8	0	5	Type-B	Type-B	1	3				4	549.3	2ft Type-A Finish at Top
W-32C	19	2	7	0	5	Type-B	Type-B				1		1	134.2	Fire Hose Access Hole
W-41C	17	2	8	0	5	Type-B	Type-B		1				1		Fire Hose Access Hole
W-44C	9	2	8	0	5	Type-B	Type-B		4				4		
											<b>381</b>	<b>50996</b>			

**DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (SOUTHERN PINES)**

Duratek Mk No.	Scheduled Pile Length (ft-in)	Scheduled Wall Height (ft-in)	Precast Post Length (ft-in)	W12x79 Overall Length (ft-in)	Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number					Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)	Remarks		
							X1.10	X1.11	X1.12	X1.13	X1.14							
P-15	29	0	22	7	50	5	Type-A	Type-A	14					14	316.2	705.8	557.6	
P-15E	29	0	22	7	50	5	Type-A	Type-A	1					1	22.6	50.4	39.8	END POST
P-16	26	0	22	7	47	5	Type-A	Type-A	4					4	90.3	189.7	149.8	
P-17	27	0	22	7	48	5	Type-A	Type-A	7	28	26	18		79	1784.1	3824.9	3021.7	
P-18	27	0	21	7	47	5	Type-A	Type-A				2	2	4	86.3	189.7	149.8	
P-19	27	0	20	7	46	5	Type-A	Type-A				6		6	123.5	278.5	220.0	
P-20	27	0	19	7	45	5	Type-A	Type-A				2		2	39.2	90.8	71.8	
P-21	31	0	21	7	51	5	Type-A	Type-A				1		1	21.6	51.4	40.6	
P-22	31	0	22	7	52	5	Type-A	Type-A				16		16	361.3	838.7	662.5	
P-22E	31	0	22	7	52	5	Type-A	Type-A				1		1	22.6	52.4	41.4	END POST
											<b>128</b>	<b>2867.7</b>	<b>6272.3</b>	<b>4955.1</b>				

**RELEASE FOR CONSTRUCTION**  
*UPR*  
 11-24-28  
 Date

SEE BACK FOR JV STAMP  
 11/19/28

**REVISIONS**

Rev. No.	Date	Description
1	02/15/08	Comments Rec'd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/15/08	GENERAL REVISIONS
3	05/13/08	GENERAL REVISIONS
4	09/17/08	REVISIONS TO PANEL LAYOUT
5	11/14/08	REVISIONS TO PANEL LAYOUT

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 8/07 AND 10/07  
 BW-1 THRU BW-7 DATED 9/07

Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**  
 C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, TX 78278  
 John A. Hoy, P.E.  
 November 14th, 2008  
 Florida License Number 55312

**DURATEK**  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8929  
 Toll Free: 800/754-3541 Ph: 352/796-5944 Fx: 352/796-6933 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO: 07-2055-701  
 SHEET NO: X2.3

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By DT Date 1/19/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

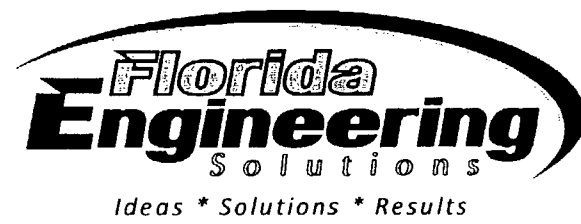
- APPROVED  AMEND-SEE CHANGES BELOW
- APPROVED AS NOTED  REJECTED
- RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 1/19/08

CS-SD14 REVISION 2  
 PAGE 2-2

APPROVED FOR CONSTRUCTION  
 DATE: 1/19/08  
 [Signature]



April 18, 2008

ACCI / API, a Joint Venture  
 12751 Westlinks Drive, Unit 1  
 Fort Myers, FL 33913, FL 34604  
 Attn: Felipe Jaramillo

RE: I-75 Sound Barrier Wall Shop Drawings – Corkscrew Woodlands

Mr. Jaramillo

Please find attached shop drawings for approval.

We have completed all revisions requested in accordance with the 100% Sound Barrier Wall drawings by HDR dated 02/08 and the FDOT Electronic Review Comments.

Please contact me if I can be of further assistance.

Respectfully,

John A. Hoy, P.E.  
 FL. Lic. No. 55312



**METRIC ENGINEERING, INC.**  
 11300 Lindbergh Blvd., Ste. # 113  
 Fort Myers, FL 33913  
 Phone (239) 313-4080 Fax: (239) 313-4099

**TRANSMITTAL**

**Date:** 9/29/09

**To: Mr. C. David Dempsey**  
 Project Director  
 ACCI/API Joint Venture  
 12751 Westlinks Drive, Units 1 & 2  
 Fort Myers, Florida 33913

**From: Mr. Edwin Santana**  
**RE:** I-75 DBF Project  
 From North of Golden Gate Blvd. to South of  
 Colonial Blvd.,  
 FIN # 420655-1-52-01  
 FAP # S113001R, etc.  
 Contract #: E1F59  
 County: Collier/Lee

**We are sending you the attached via:**

<input type="checkbox"/>	US Mail	<input type="checkbox"/>	FedEx	<input checked="" type="checkbox"/>	Hand Delivery	<input type="checkbox"/>	Email
<input checked="" type="checkbox"/>	Original(s)	<input type="checkbox"/>	Disk(s)	<input type="checkbox"/>	Submittal(s)	<input type="checkbox"/>	Other

Comments:

Original	Copy	Date	Description
1		9/29/09	RFC Village Walk Noisewall Shop Drawings

**Transmitted for:**

<input type="checkbox"/>	Approval	<input type="checkbox"/>	Corrections	<input type="checkbox"/>	Review & Comments	<input type="checkbox"/>	Other
<input type="checkbox"/>	Action	<input type="checkbox"/>	As requested	<input checked="" type="checkbox"/>	Use & Information	<input type="checkbox"/>	Other

**Remarks:** Please find attached RFC Village Walk Noisewall Shop Drawings.

We will make our own copies.

Should you have any questions or comments, please do not hesitate to contact this office.

**Recipient Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**File:** 9-15.02 **Signed:** **Date:** 9/29/09  
 Edwin Santana, Senior Project Engineer

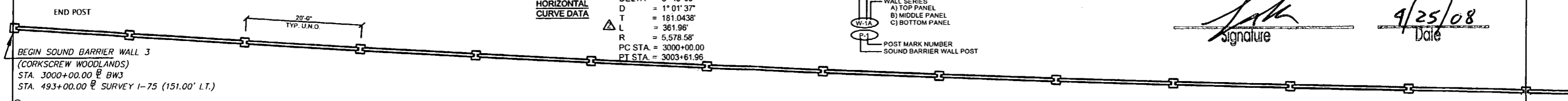
*Handwritten signature: K. H. Riddley*

Signature

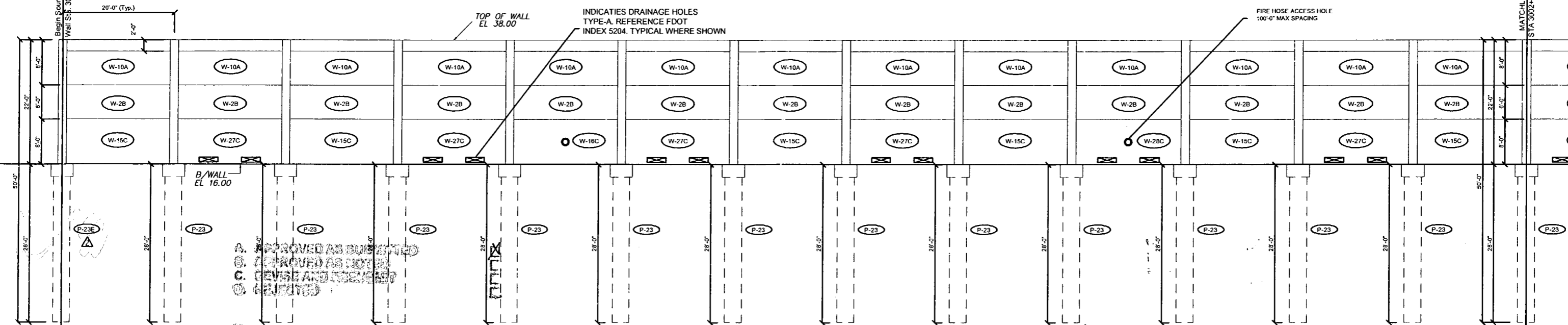
4/25/08 Date

**HORIZONTAL CURVE DATA**  
 (BW3R-1)  
 PI STA. = 3001+81.04  
 DELTA = 3° 43' 03"  
 D = 1° 01' 37"  
 T = 181.0438'  
 L = 361.96'  
 R = 5,578.58'  
 PC STA. = 3000+00.00  
 PT STA. = 3003+61.96

**SOUND BARRIER WALL**  
 WALL MARK NUMBER  
 WALL SERIES  
 A) TOP PANEL  
 B) MIDDLE PANEL  
 C) BOTTOM PANEL  
 P-1 POST MARK NUMBER  
 SOUND BARRIER WALL POST



PLAN VIEW



ELEVATION

A. APPROVED AS SUBMITTED  
 B. APPROVED AS NOTED  
 C. REVISE AND RESUBMIT  
 D. REJECTED

This review is for general compliance with design concept only. Any deviation from plans or specifications will clearly noted by the contractor and approved. Reviewer shall not constitute a complete check or detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

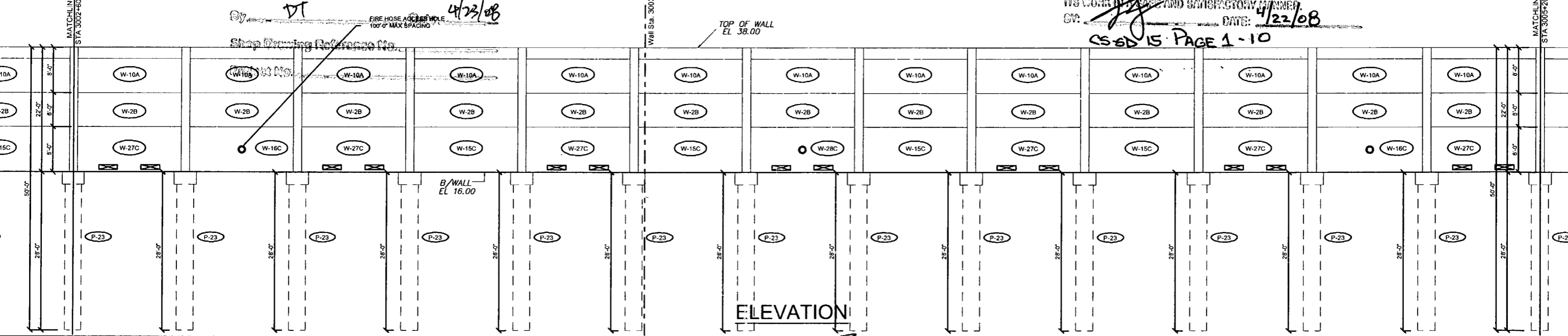
I-75 DBF ACC/API, a Joint Venture  
 APPROVED  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 AMEND-SEE CHANGES BELOW  
 REJECTED

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

DATE: 4/22/08  
 CS-SD 15 PAGE 1-10

PT. 3003+61.96 @ BW3  
 STA. 496+71.76 @ SURVEY I-75 (151.00' LT.)  
 N 18°18' 02" W

PLAN VIEW



ELEVATION

**REVISIONS**

Rev. No.	Date	Comments
1	02/18/08	Comments Rec'd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 6/07 AND 10/07  
 BW-1 THRU BW-3 DATED 8/07

Drawn By: J.R.A.  
 Date: 01/07/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering**  
 C.A. No. 28300 - 12630 Curley Bl. - Suite 101 - San Antonio, FL 33570  
 Ph: 352 / 668 - 5311 Fax: 352 / 668 - 5411 Web: www.florida-engineering.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
 Toll Free: 800/754-3041 Ph: 352/795-5944 Fax: 352/795-5933 Website: www.duratek.net

**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls

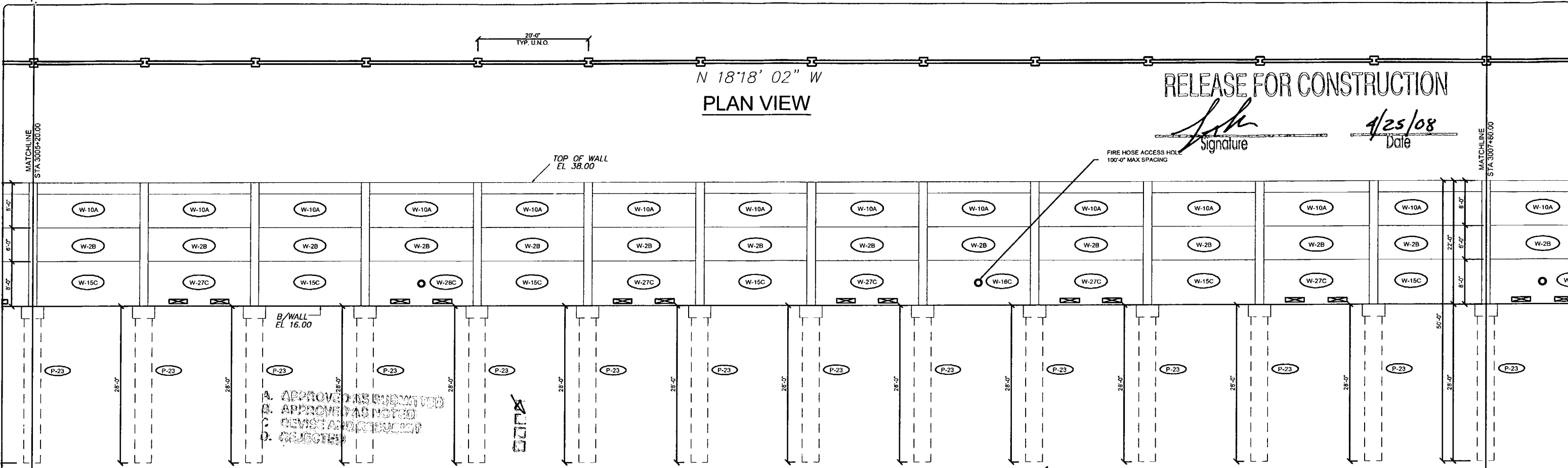


N 18'18" 02" W  
PLAN VIEW

RELEASE FOR CONSTRUCTION

Signature

4/25/08  
Date



ELEVATION

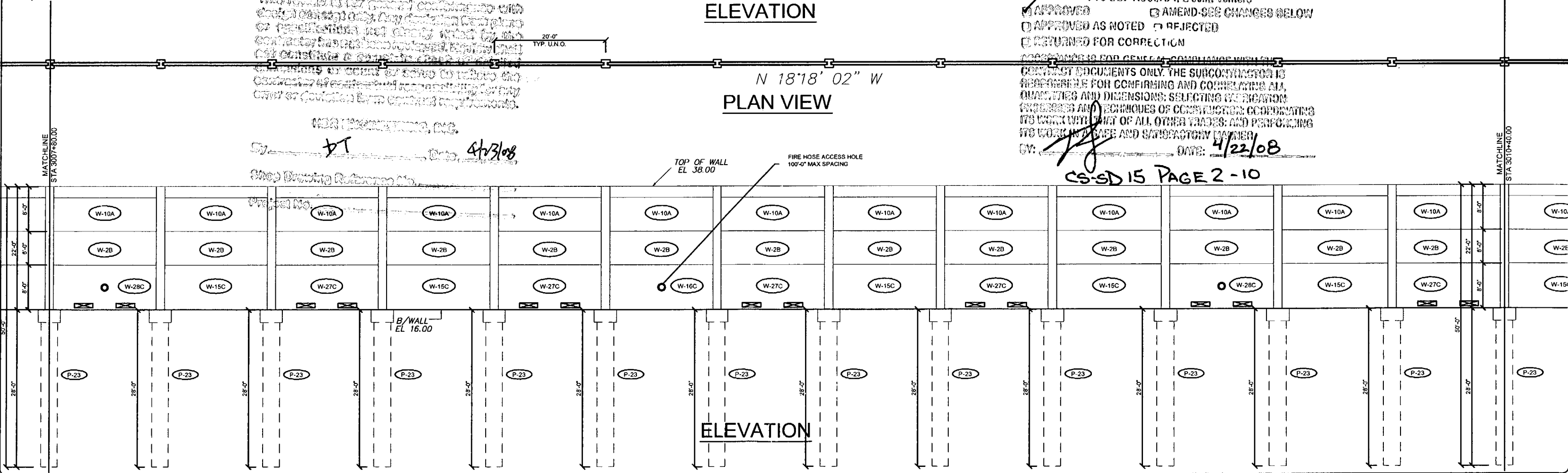
- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general coordination with design consultant only. Any deviations from plans or specifications shall clearly indicate by the contractor has not been reviewed, approved, and not constitute a contract. The contractor shall be responsible for any error or deviation from contract requirements.

- APPROVED
  - APPROVED AS NOTED
  - RETURNED FOR CORRECTION
  - AMEND-SEE CHANGES BELOW
  - REJECTED
- CONTRACTOR IS RESPONSIBLE FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING MATERIALS, METHODS AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.
- BY: *[Signature]* DATE: 4/22/08

N 18'18" 02" W  
PLAN VIEW

CS-SD 15 PAGE 2-10



ELEVATION

Rev. No.	Date	Description
01/18/08	01/18/08	Comments Received 02/18/08 - Fire Access Hole Locations - Foundation at Sillway
02/18/08	02/18/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS:  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 06/7 AND 10/07  
 DW-3 THRU DW-5 DATED 06/07

Drawn By: J.R.A.  
 Date: 01/10/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33578  
 Ph: 352 / 588 - 5311 Fx: 352 / 588 - 6411 Web: www.florida-engineering.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6820  
 Toll Free: 800/754-3041 Ph: 352/795-5944 Fx: 352/795-5933 Website: www.duratek.net

**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls

SOUND BARRIER WALL 3 (CORKSCREW WOODLANDS) PLAN AND ELEVATION SHOP DRAWING (STA 3005+20.00 - 3010+40.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

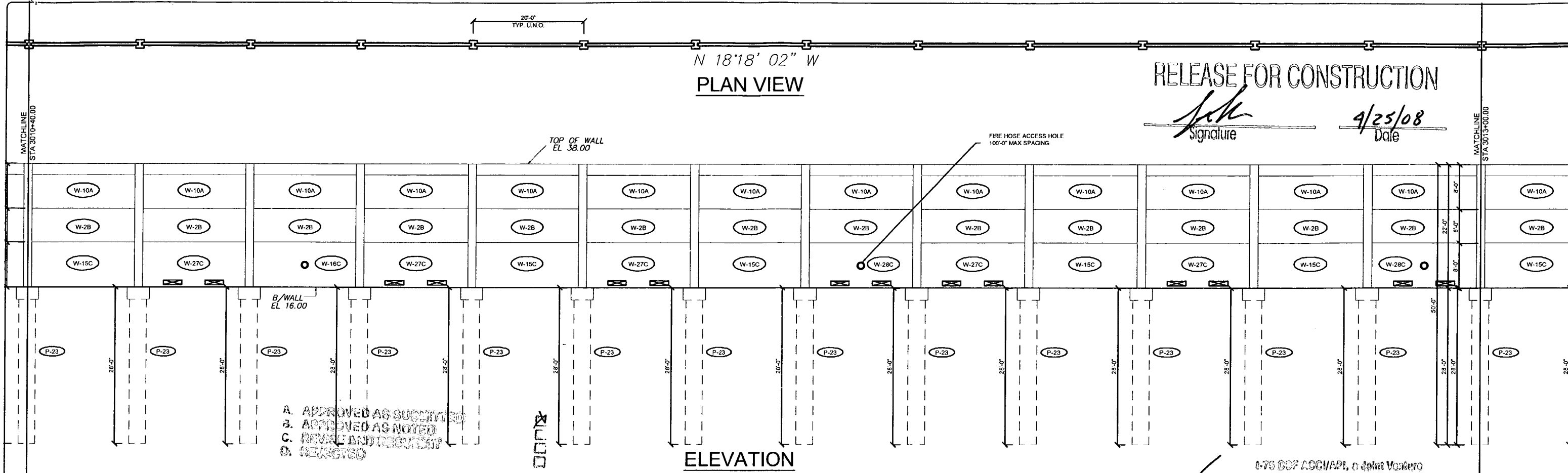
PROJECT NO. 07-2055-701  
 SHEET NO. X1.16

N 18'18' 02" W  
PLAN VIEW

RELEASE FOR CONSTRUCTION

*[Signature]*  
Signature

4/25/08  
Date



ELEVATION

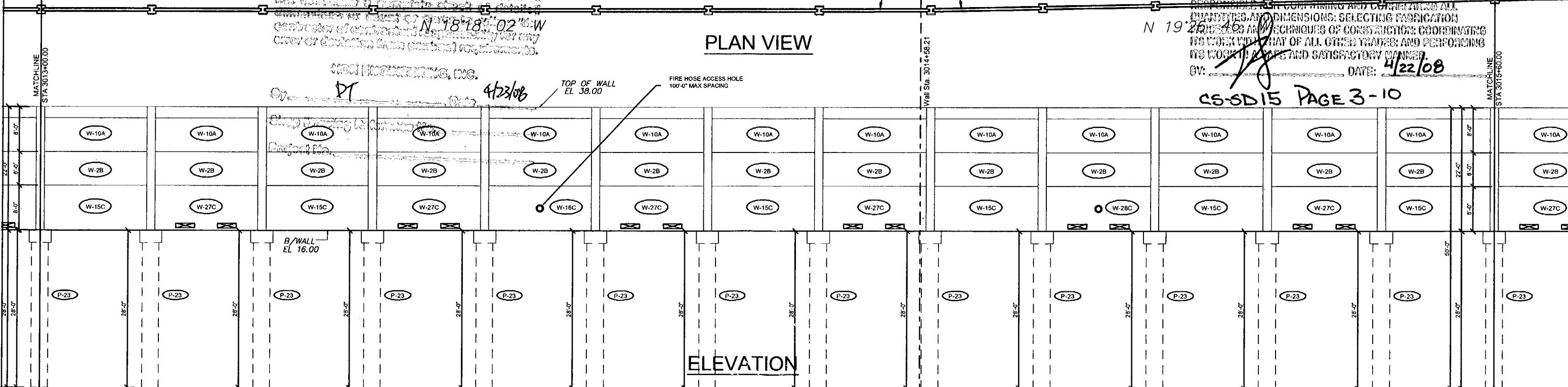
- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVEAL AND REQUIRIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviations from plans or specifications not clearly noted by the contractor shall be the responsibility of the contractor. The contractor shall be responsible for any error or deviation from contract requirements.

- APPROVED
- AMEND-SEE CHANGES BELOW
- APPROVED AS NOTED
- REJECTED
- RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION METHODS AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

PLAN VIEW



ELEVATION

CS-SD15 PAGE 3-10

Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Soilway
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HDR ENGINEERING, INC.  
DWG'S THRU DWG'S DATED 06/7 AND 10/07  
BWS-1 THRU BWS-3 DATED 0/07

Drawn By: J.R.A.  
Date: 01/07/08  
Checked By: J.A.H.  
Date: 01/18/08

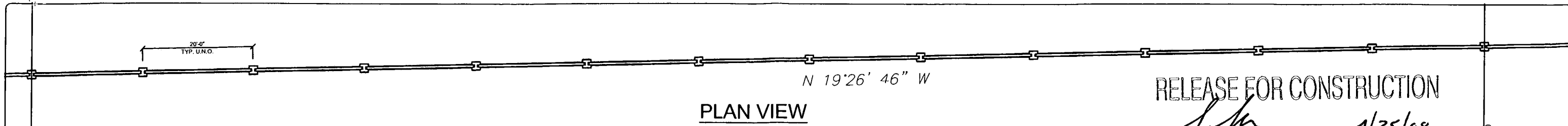
**Florida Engineering**  
C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33174  
Ph: 352 / 688 - 6311 Fax: 352 / 688 - 6411 Web: www.floridaing.com

April 16th, 2008  
John A. Hey, P.E.  
Florida License Number 55312

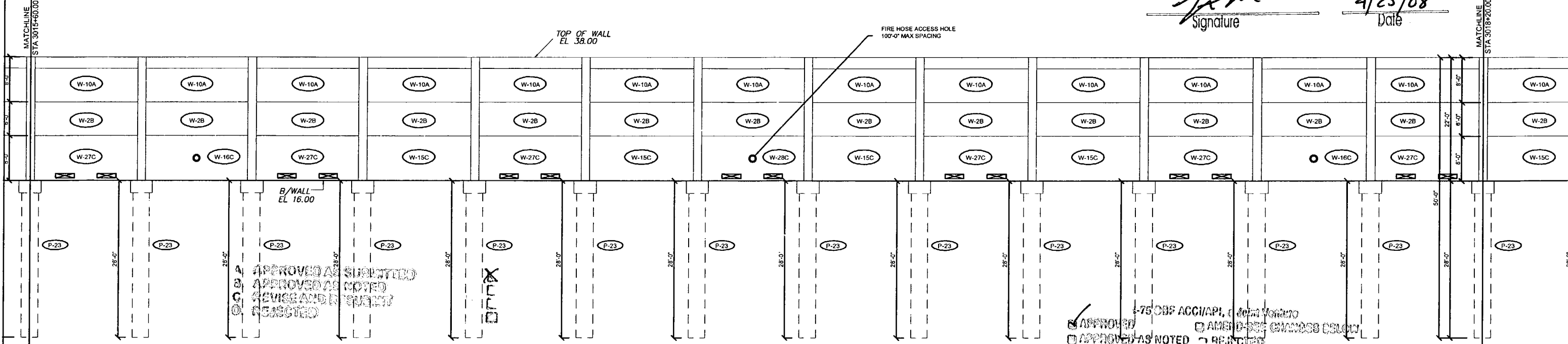
**DURATEK** PRECAST TECHNOLOGIES  
The Edge in Perimeter Walls  
Concrete Pre-cast Buffer Walls  
Corporate Office Location: 2150 American Flyer Way Brooksville, FL 34604-6820  
Toll Free: 800/754-3841 Ph: 352/798-5844 Fax: 352/798-6933 Website: www.duratek.net

SOUND BARRIER WALL 3 (CORKSCREW WOODLANDS) PLAN AND ELEVATION SHOP DRAWING (STA 3010+40.00 - 3015+60.00)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
SHEET NO. X1.17



RELEASE FOR CONSTRUCTION  
 Signature: *[Signature]*  
 Date: 4/25/08



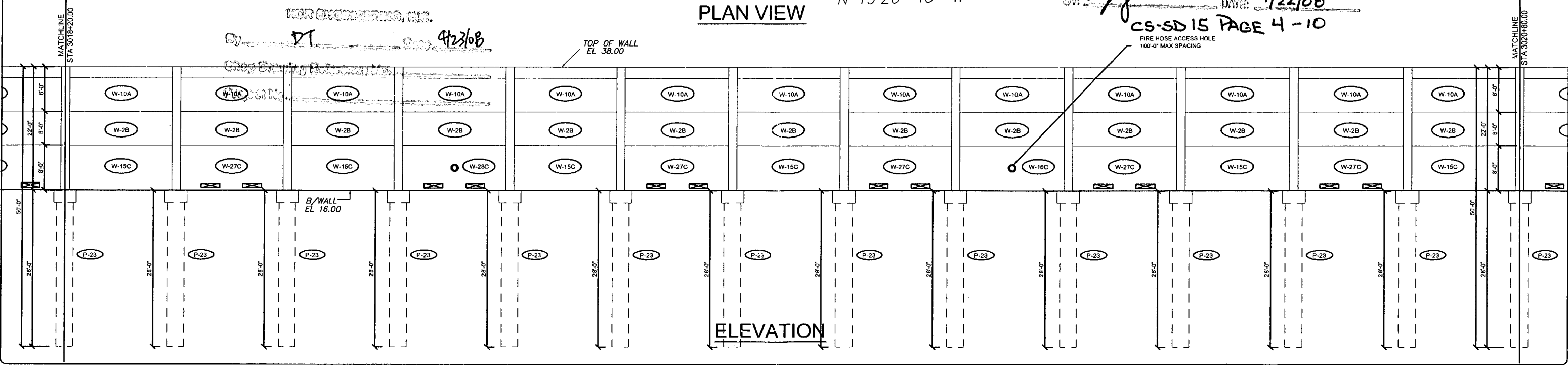
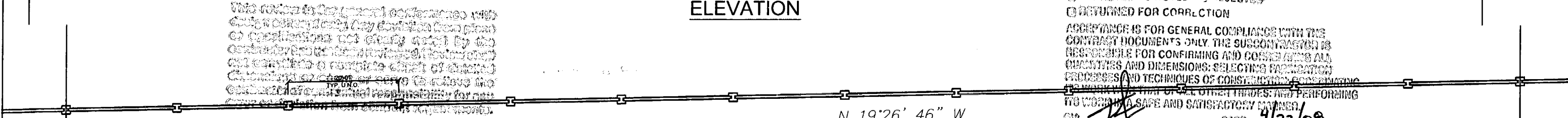
A) APPROVED AS SUBMITTED  
 B) APPROVED AS NOTED  
 C) REVISE AND RESUBMIT  
 D) REJECTED

This review is for general compliance with contract documents. Any deviation from plan or specifications not clearly noted by the contractor shall be reviewed. Reviewer will conduct a complete check of details. Contractor shall be responsible for any errors or omissions from contract documents.

I-75 DBF ACC/APL, 100% VOLUME  
 APPROVED  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 AMEND-SEE COMMENTS BELOW  
 REJECTED

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; CONFORMING TO ALL PARTS OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

DATE: 4/22/08



Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HOR ENGINEERING, INC.  
 DW-1 THRU DW-4 DATED 8/07 AND 10/07  
 BW-3 THRU BW-3-DATED 8/07

Drawn By: J.R.A.  
 Date: 01/07/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering**  
 CONSULTANTS  
 C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33107  
 Ph: 852 / 688 - 6311 Fax: 352 / 688 - 5411 Web: www.floridaing.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6820  
 Toll Free: 800/754-3041 Ph: 352/796-5944 Fax: 352/796-5933 Website: www.duratek.net

PROJECT NO. 07-2055-701  
 SHEET NO. X1.18  
 SOUND BARRIER WALL 3 (CORKSCREW WOODLANDS) PLAN AND ELEVATION SHOP DRAWING (STA 3015+60.00 - 3020+80.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

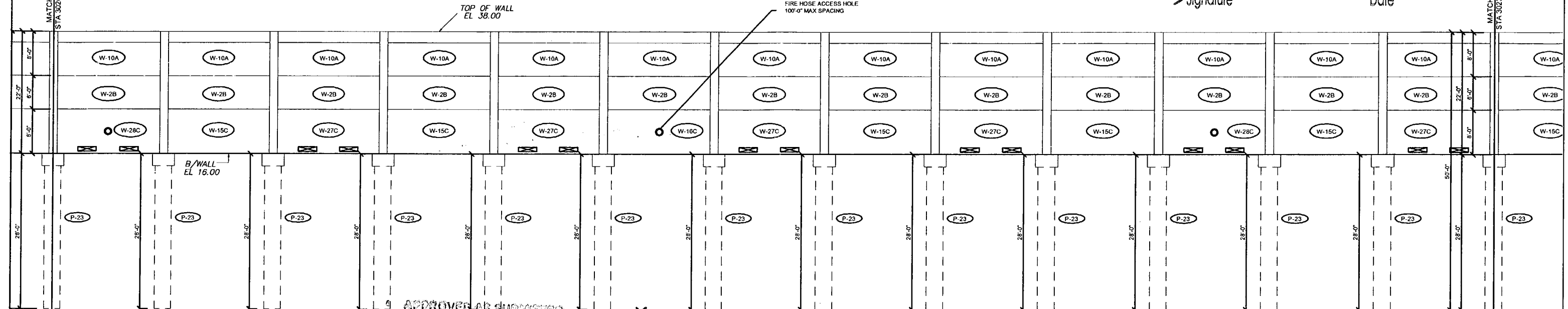
MOR ENGINEERING, INC.

By PL Date 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

1-75 DOES NOT APPLY TO THIS DRAWING  
 APPROVED  APPROVED WITH CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 REFERENCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SIGNATURE OF THE ENGINEER IS NOT CONSIDERED AS GUARANTEEING ALL DIMENSIONS, SELECTING FABRICATION METHODS AND MATERIALS OR SUPERVISING OR CONTROLLING THE WORK OF ALL OTHER TRADES AND PERFORMING THE WORK OF THE CONTRACTOR.  
 Date: 2/22/08

RELEASE FOR CONSTRUCTION  
*[Signature]*  
 Date 4/25/08

N 19°26' 46" W  
**PLAN VIEW**



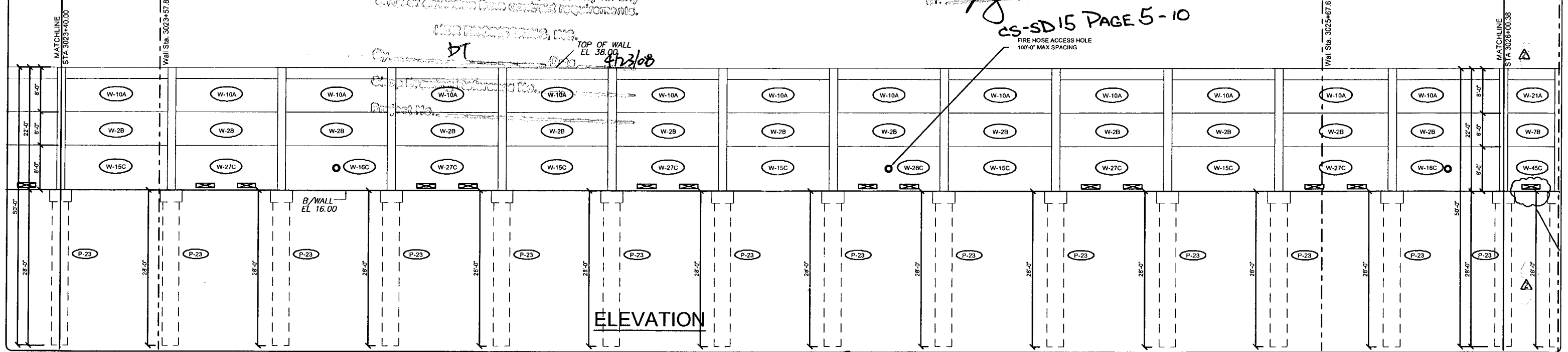
**ELEVATION**

APPROVED AS SUBMITTED  
 A. APPROVED AS NOTED  
 C. REVISE AND RESUBMIT  
 D. REJECTED

APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION   
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTION OF MATERIALS; PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 4/22/08

This review is for general compliance with design concept only. It is not a guarantee of performance or specifications. The contractor shall not be held responsible for any errors or omissions in the contract documents or for any cost of correction from contract requirements.

N 21°19' 59" W  
**PLAN VIEW**



**ELEVATION**

Rev. No.	Date	Description
1	07/18/08	Comments Recvd 07/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/18/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY MHI ENGINEERING, INC.  
 8W-1 TIRU BW & O-150 803 AND 1007  
 BW-3-1 TIRU BW-3-DATED 8/07

Drawn By: J.R.A.  
 Date: 01/07/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33576  
 Ph: 352 / 688 - 5311 Fax: 352 / 688 - 5411 Web: www.florida-engineering.com

**DURATEK** PARGARY TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pro-cast Buffer Walls  
 Corporate Office Location: 2100 American Flyer Way Brooksville, FL 34004-0820  
 Toll Free: 800/754-3841 Ph: 352/798-5944 Fax: 352/798-5933 Website: www.duratek.net

SOUND BARRIER WALL 3 (CORKSCREW WOODLANDS) PLAN AND ELEVATION SHOP DRAWING (STA 3020+80.00 - 3026+00.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.19

RELEASE FOR CONSTRUCTION

*[Signature]*  
signature

4/25/08  
Date

- A. APPROVED AS QUOTED
- B. APPROVED AS NOTED
- C. REVISED AND RE-QUOTED
- D. REJECTED

This review is for general compliance with the contract documents only. The contractor is responsible for confirming and controlling all quantities and dimensions. Selecting fabrication processes and techniques of construction, coordinating its work with that of all other trades, and performing its work in a safe and satisfactory manner.

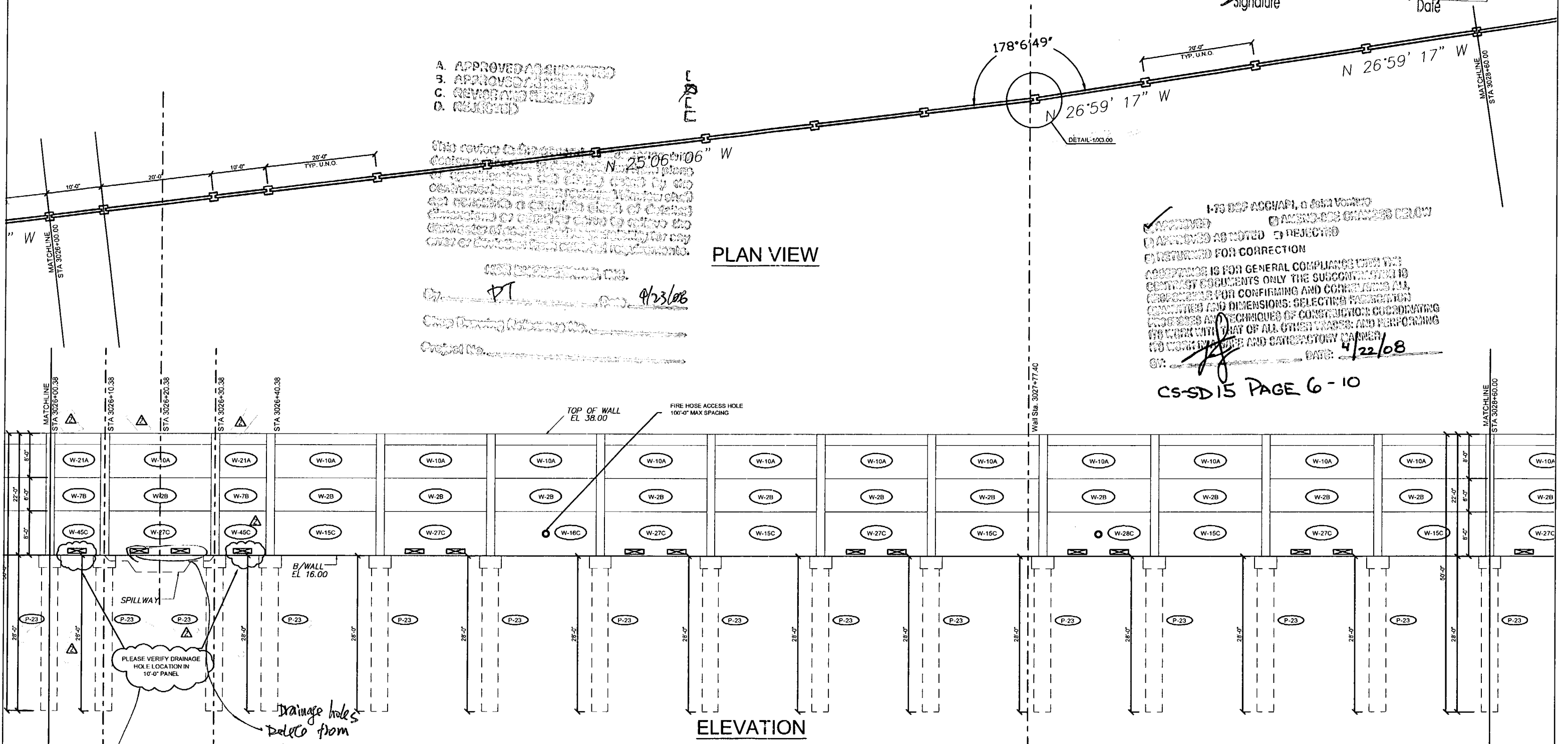
PLAN VIEW

FOR INFORMATION ONLY  
 BY: *[Signature]* 4/23/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

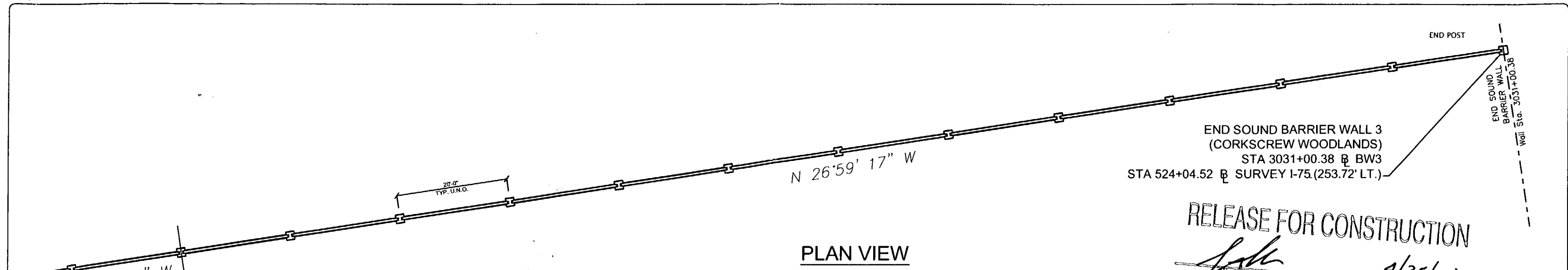
- APPROVED
- APPROVED AS NOTED
- RETURNED FOR CORRECTION
- AMEND-SEE CHANGES BELOW
- REJECTED

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CONTROLLING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 4/22/08

CS-SD15 PAGE 6-10



ELEVATION



PLAN VIEW

END SOUND BARRIER WALL 3  
 (CORKSCREW WOODLANDS)  
 STA 3031+00.38 & BW3  
 STA 524+04.52 & SURVEY I-75 (253.72' LT.)

RELEASE FOR CONSTRUCTION

*[Signature]*  
 Signature

9/25/08  
 Date

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISIONS REQUIRED
- D. REJECTED

A

This drawing is for general information with contract documents. It is not to be used for construction. The contractor is responsible for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating its work with that of all other trades, and performing its work in a safe and satisfactory manner.

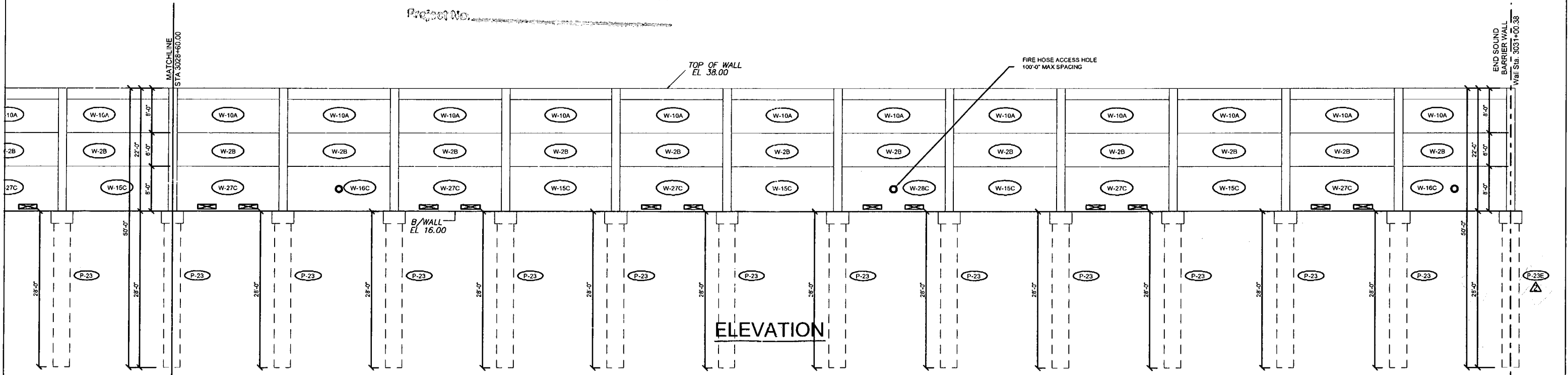
- APPROVED
- APPROVED AS NOTED
- RETURNED FOR CORRECTION
- AMEND-SEE CHANGES BELOW
- REJECTED

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 4/22/08

CS-SD 15 PAGE 7-10

HDR ENGINEERING, INC.  
 By: *[Signature]* Date: 4/23/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



ELEVATION

Rev. No.	Date	Description
1	07/18/08	Comments Received 07/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	07/18/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 807 AND 1007  
 BW3-1 THRU BW3-3 DATED 807

Drawn By: J.R.A.  
 Date: 01/07/08  
 Checked By: J.A.H.  
 Date: 01/15/08

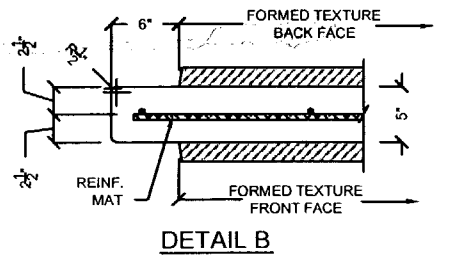
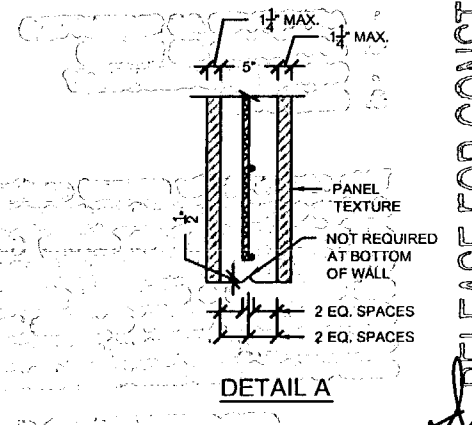
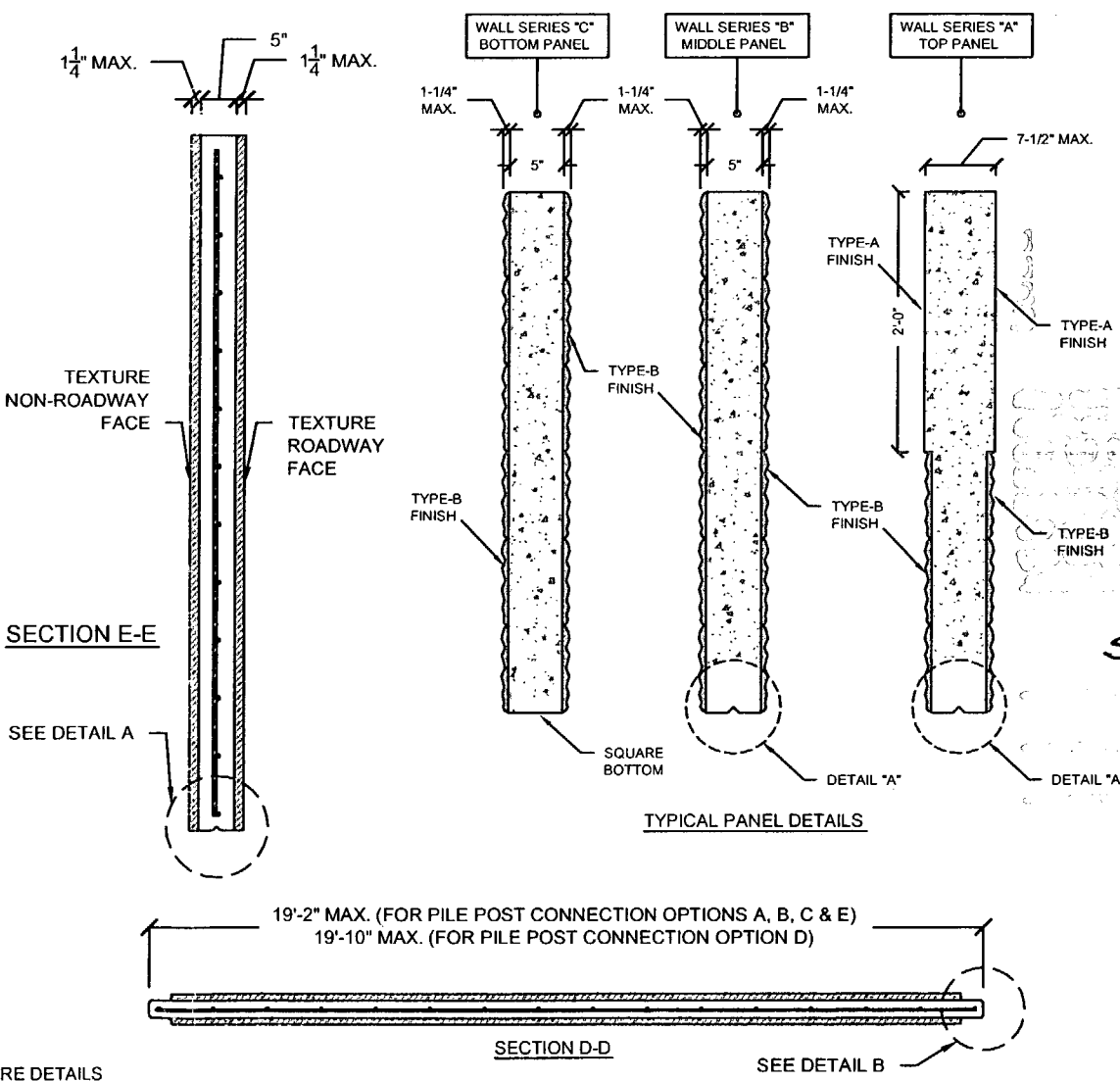
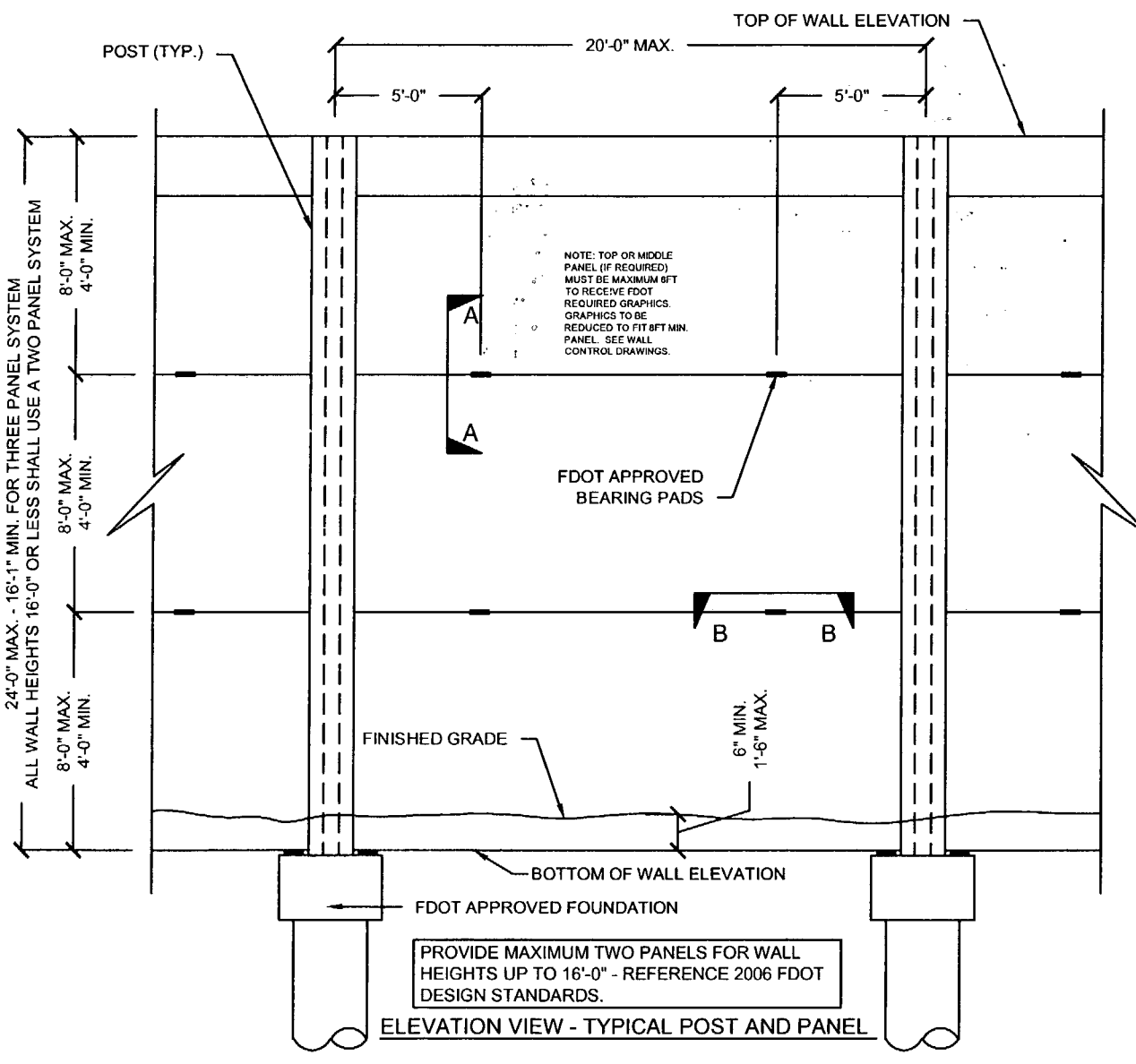
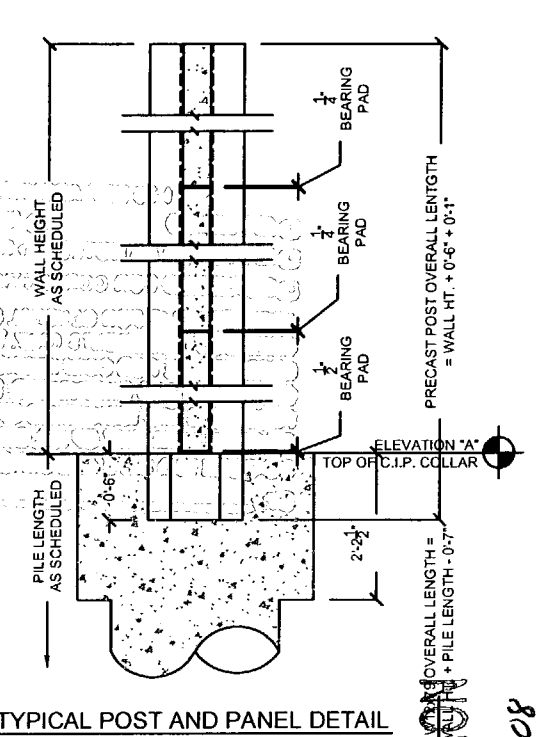
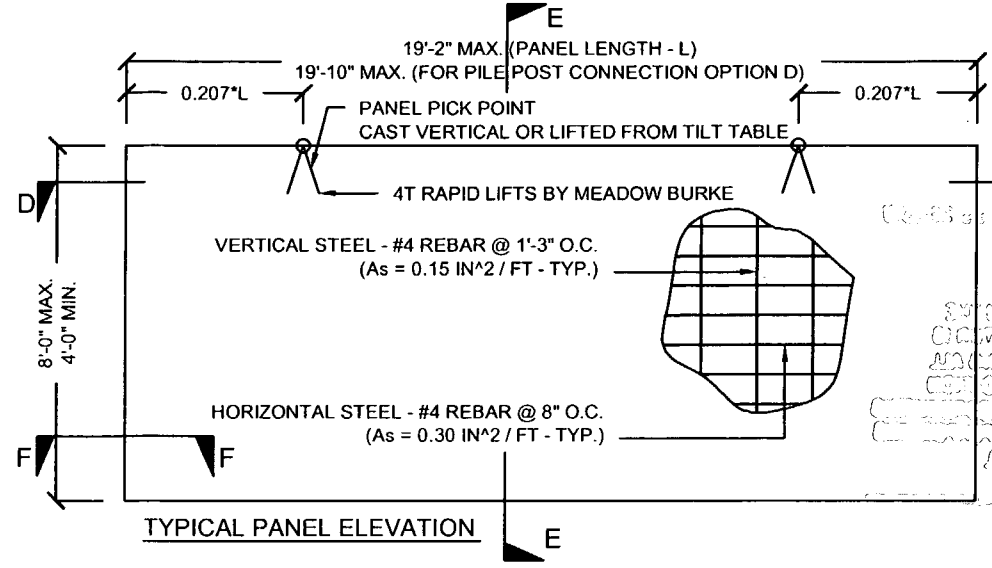
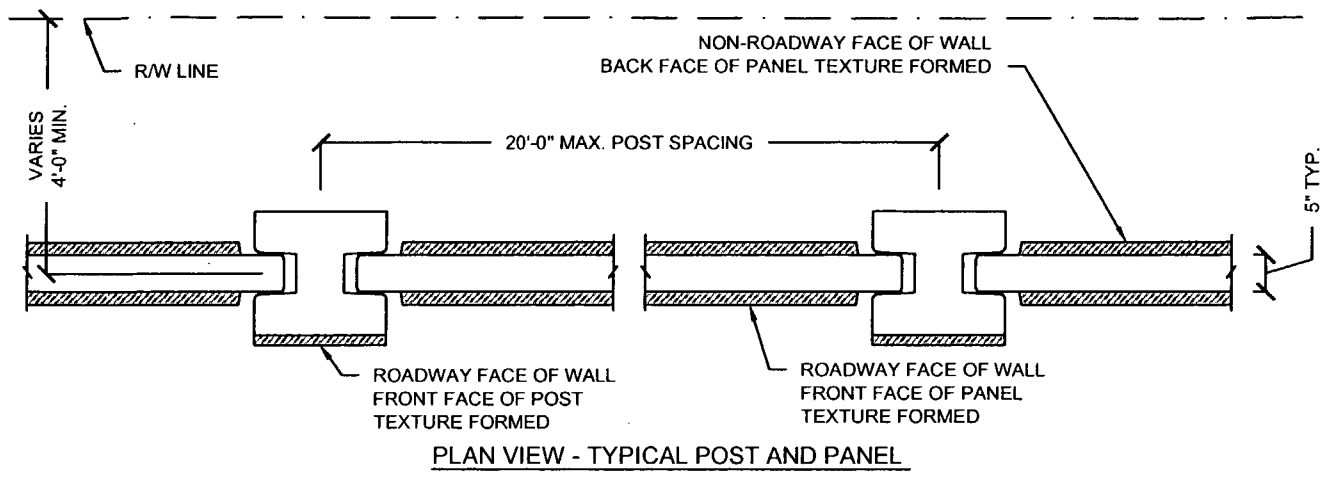
**Florida Engineering**  
 CONSULTANTS  
 C.A. No. 26300 - 12630 Cayley St. - Suite 101 - San Antonio, FL 33850  
 Ph: 352 / 685 - 5311 Fax: 352 / 685 - 5411 Web: www.floridaing.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 April 18th, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6820  
 Toll Free: 800/754-3641 Ph: 352/798-5944 Fax: 352/798-5933 Website: www.duratek.net

SOUND BARRIER WALL 3 (CORKSCREW WOODLANDS) PLAN AND ELEVATION SHOP DRAWING (STA 3028+60.00 - 3031+00.38)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.21



<b>GENERAL NOTES</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5200 <b>TEXTURE OPTIONS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5201	<b>SPECIAL PANELS AND POSTS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203	<b>TYPICAL PANELS AND POSTS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 SECTION A-A SECTION B-B SECTION "ELEVATION STEP AT BOTTOM OF WALL"	<b>GRAPHICS AND TEXTURE DETAILS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 WITH THE FOLLOWING EXCEPTIONS: 1) MAX PANEL HEIGHT = 8FT, 2) MAX. 1-1/4" FORMED TEXTURE FINISH ON NON-ROADWAY FACE OF WALL.	<b>FIRE HOSE ACCESS HOLE &amp; DRAINAGE DETAILS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5204	<b>PILE / POST CONNECTION OPTIONS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5205 OPTIONS - C	<b>FOUNDATION DEPTH AND REINFORCING</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5206 AND THESE DRAWINGS	<b>TYPICAL PANELS AND POSTS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 SECTION F-F
--	--	--	--	--	---	---	---

Rev. No.	Date	Description
01/1/08		GENERAL REVISION
02/1/08		COMMENTS RECEIVED 02/1/08 - FIRE HOSE LOCATIONS
03/1/08		GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC. BW-1 THRU BW-4 DATED 8/07 AND 10/07 BW-1 THRU BW-14 DATED 10/07

Drawn By: R.M.  
Date: 12/21/07  
Checked By: J.A.H.  
Date: 01/18/08

**Florida Engineering**  
2011001  
C.A. No. 28300 - 12630 Curley St., Suite 101 - San Antonio, FL 33578  
Ph: 352 / 688 - 5311 Fax: 352 / 688 - 5411 Web: www.florida-engineering.com

John A. Hey, P.E.  
Florida License Number 6512

**DURATEK**  
PRECAST TECHNOLOGIES  
The Edge in Perimeter Walls  
Concrete Pre-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6820  
Toll Free: 800/754-3641 Ph: 352/798-5044 Fax: 352/798-5033 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
PROJECT NO. 07-2055-701  
SHEET NO. X2.1

RELEASE FOR CONSTRUCTION  
 4/22/08  
 9/29/08  
 Date  
 Signature

SEE BACK FOR JV STAMP



4760001 ADDITIONAL COMMENTS

- APPROVED
- APPROVED WITH CHANGES BELOW
- APPROVED AS NOTED
- REJECTED
- RETURNED FOR CORRECTION

APPROVED FOR GENERAL COMPLIANCE WITH THE  
 GENERAL REQUIREMENTS ONLY. THE REVIEWER IS  
 NOT RESPONSIBLE FOR VERIFYING ALL  
 DIMENSIONS AND TOLERANCES. THE REVIEWER IS  
 RESPONSIBLE FOR VERIFYING THE DIMENSIONS  
 AND TOLERANCES OF THE PARTS AND PERFORMING  
 DIMENSIONAL AND TOLERANCE CHECKS.

*[Handwritten Signature]*

DATE: 4/22/08

CS-SD 15 PAGE 8-10

- A. APPROVED AS SHOWN
- B. APPROVED AS NOTED
- C. REVISIONS REQUIRED
- D. REJECTED

*[Handwritten Mark]*

This review is for general compliance with  
 the general requirements only. The reviewer is  
 not responsible for verifying all  
 dimensions and tolerances. The reviewer is  
 responsible for verifying the dimensions  
 and tolerances of the parts and performing  
 dimensional and tolerance checks.

DATE: 4/23/08

*[Handwritten Signature]* 4/23/08

Step Drawing Reference No.

Project No.

- I-75 DBF ACCI/API, a Joint Venture
- APPROVED       AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED       REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature]      DATE: 4/22/08

CS-SD15 PAGE 8-10

- A. APPROVED AS SUBMITTED  
 B. APPROVED AS NOTED  
 C. REVISE AND RESUBMIT  
 D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By: [Signature]      Date: 4/23/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

DURATEK PRECAST WALL PANEL SCHEDULE - SOUND BARRIER WALL (CORKSCREW WOODLANDS)

Duratek Mk No.	Panel Length (ft-in)		Panel Height (ft-in)		Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number							Total Panel Quantity	Total Panel Square Footage	Remarks
								X1.15	X1.16	X1.17	X1.18	X1.19	X1.20	X1.21			
W-2B	19	2	6	0	5	Type-B	Type-B	26	26	26	26	26	12	12	154	17710.0	
W-7B	9	2	6	0	5	Type-B	Type-B						2		2	110.0	
W-10A	19	2	8	0	5	Type-B	Type-B	26	26	26	26	26	12	12	154	23613.3	2ft Type-A Finish at Top
W-15C	19	2	8	0	5	Type-B	Type-B	10	11	11	10	10	5	4	61	9353.3	
W-16C	19	2	8	0	5	Type-B	Type-B	3	2	2	3	3	1	2	16	2453.3	Fire Hose Access Hole
W-21A	9	2	8	0	5	Type-B	Type-B						2		2	146.7	2ft Type-A Finish at Top
W-27C	19	2	8	0	5	Type-B	Type-B	11	10	10	11	10	5	5	62	9506.7	Drainage Holes
W-28C	19	2	8	0	5	Type-B	Type-B	2	3	3	2	3	1	1	15	2300.0	Fire Hose /Drainage Holes
W-45C	9	2	8	0	5	Type-B	Type-B						2		2	146.7	Drainage Hole
															<b>468</b>	<b>65340</b>	

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISED AND RESUBMITTED
- D. REJECTED

This review is for general performance design concept only. Any deviation from plans or specifications not clearly noted on drawings and not approved by the contractor has not been reviewed. Review does not constitute a complete check of data, dimensions or count or type to relieve contractor of contractual responsibility for error or deviation from contract documents.

FOR SUBMITTALS, ETC.

DT

4/23/08

Shop Drawing Reference No.

Project No.

1-70 DCF AGCI/APA, a John Wayne  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 4/22/08

CS-SD 15 PAGE 9 - 10

RELEASE FOR CONSTRUCTION

*[Signature]*  
Signature

4/25/08  
Date

DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (CORKSCREW WOODLANDS)

Duratek Mk No.	Scheduled Pile Length (ft-in)		Scheduled Wall Height (ft-in)		Precast Post Length (ft-in)		W12x79 Overall Length (ft-in)		Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number						Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)	Remarks	
											X1.15	X1.16	X1.17	X1.18	X1.19	X1.20						X1.21
P-23	28	0	22	0	22	7	49	5	Type-A	Type-A	25	26	26	26	26	14	12	155	3500.4	7659.6	6051.1	
P-23E	28	0	22	0	22	7	49	5	Type-A	Type-A	1						1	2	45.2	98.8	78.1	END POST
												<b>157</b>	<b>3545.6</b>	<b>7758.4</b>	<b>6129.1</b>							

Rev. No.	Date	Comments	By
1	07/18/08	Comments Recvd 07/18/08 - Fire Access Hole Locations - Foundation at Sillway	J.R.A.
2	04/15/08	GENERAL REVISIONS	J.A.H.

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 DWG# 1 THRU DWG# 4 DATED 06/7 AND 10/07  
 BW3-1 THRU BW3-3 DATED 06/7

Drawn By: J.R.A.  
 Date: 01/07/08  
 Checked By: J.A.H.  
 Date: 01/18/08

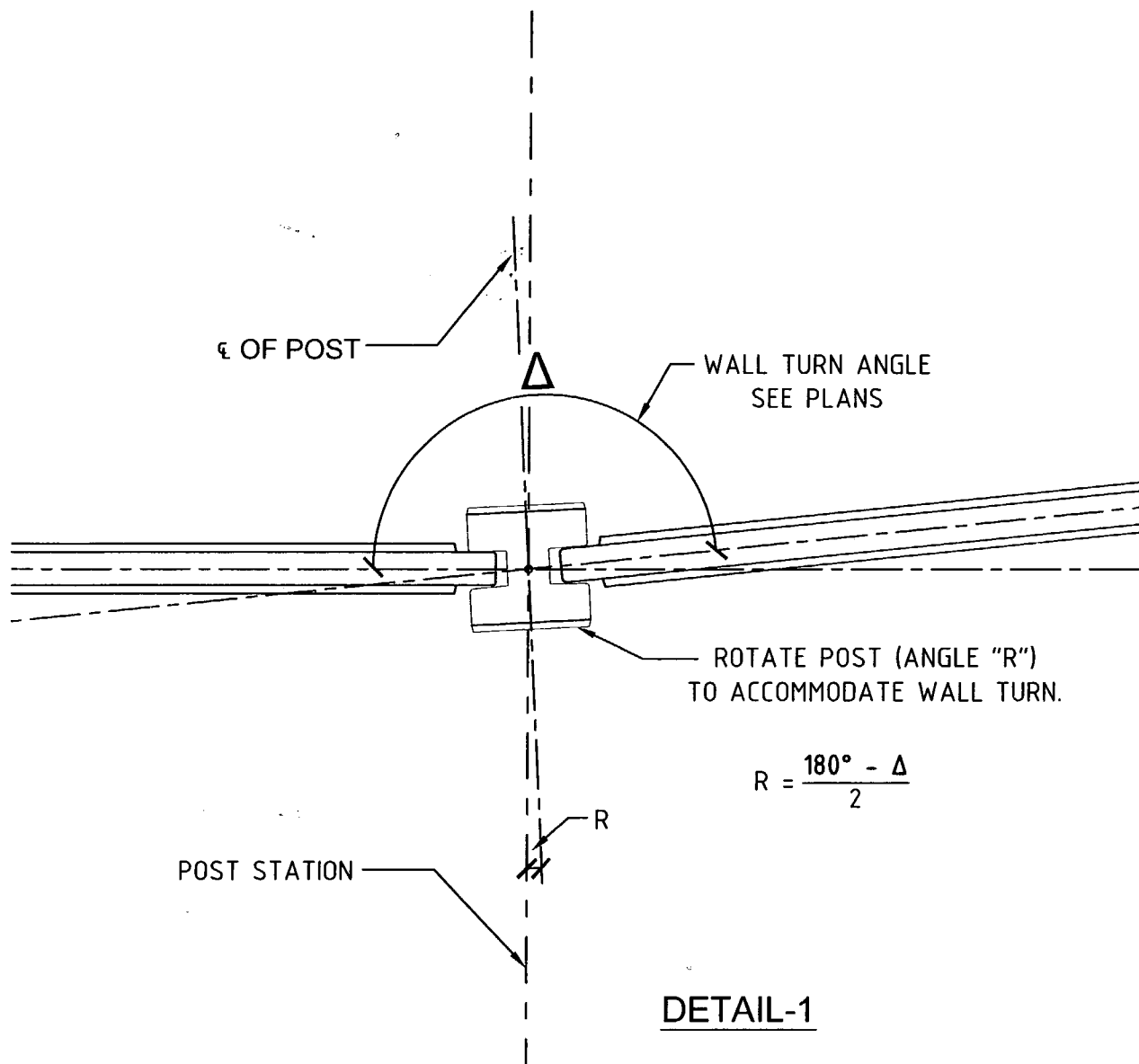
**Florida Engineering**  
 P.L.L.C.  
 C.A. No. 28300 - 12830 Quiley St. - Suite 101 - San Antonio, FL 33578  
 Ph: 352/688-6311 Fax: 352/688-6411 Web: www.florida-engineering.com

April 18th, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

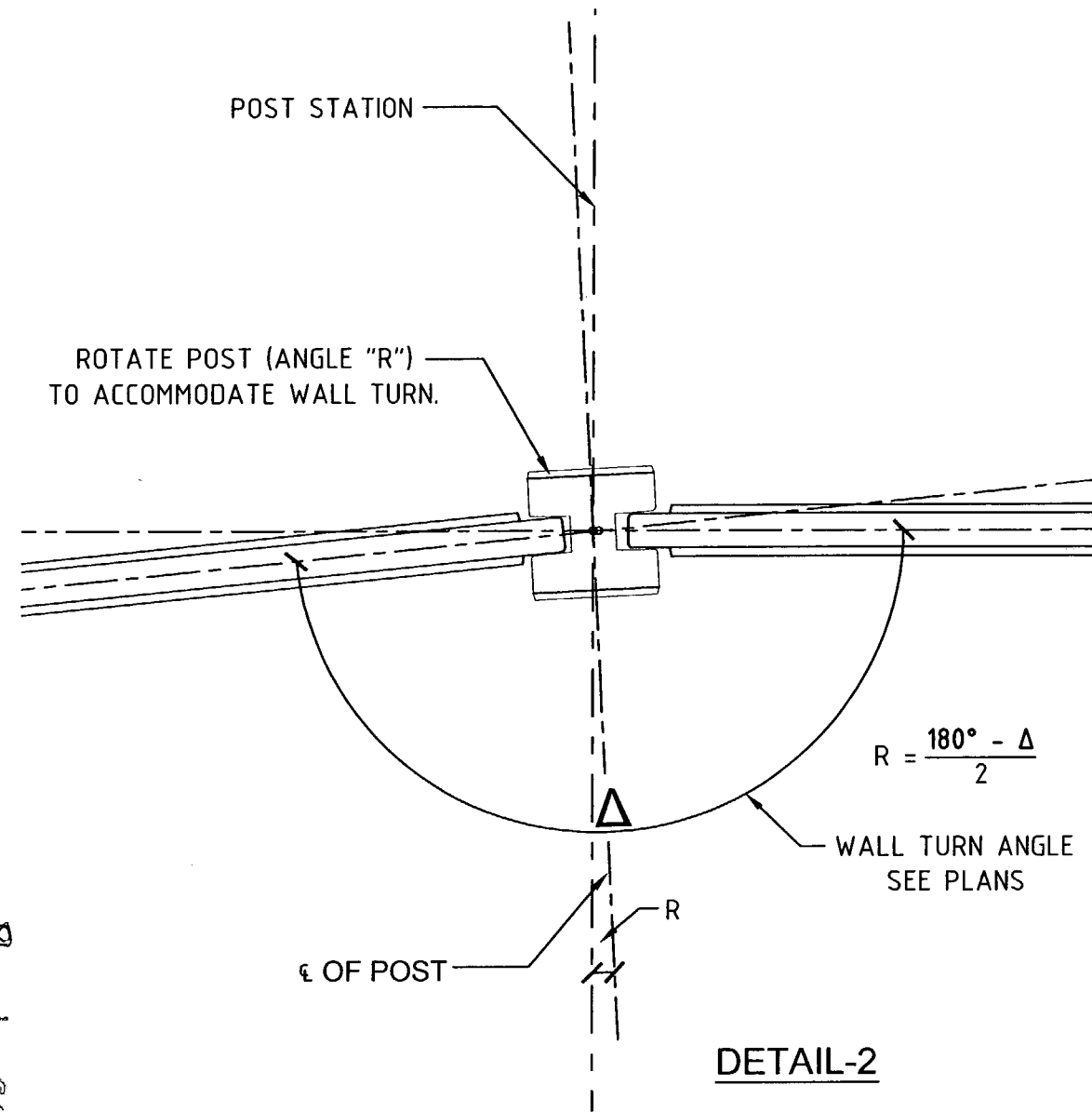
**DURATEK**  
 PRECAST TECHNOLOGIES  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8029  
 Toll Free: 800/754-3041 Ph: 352/708-6944 Fax: 352/708-6933 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X2.4

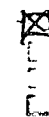


DETAIL-1



DETAIL-2

- A. APPROVED & SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED



This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By: DT Date: 4/23/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION

Signature: [Signature] Date: 4/25/08

I-75 DC2 ACQ/API, a John Venturo  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 4/22/08

CS-SD15 PAGE 10-10

Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/19/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-8 DATED 5/07 AND 10/07  
 BW-11 THRU BW-14 DATED 10/07

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering**  
 SOLUTIONS  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33106  
 Ph: 352/588-5311 Fax: 352/588-5411 Web: www.floridaing.com

April 18, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

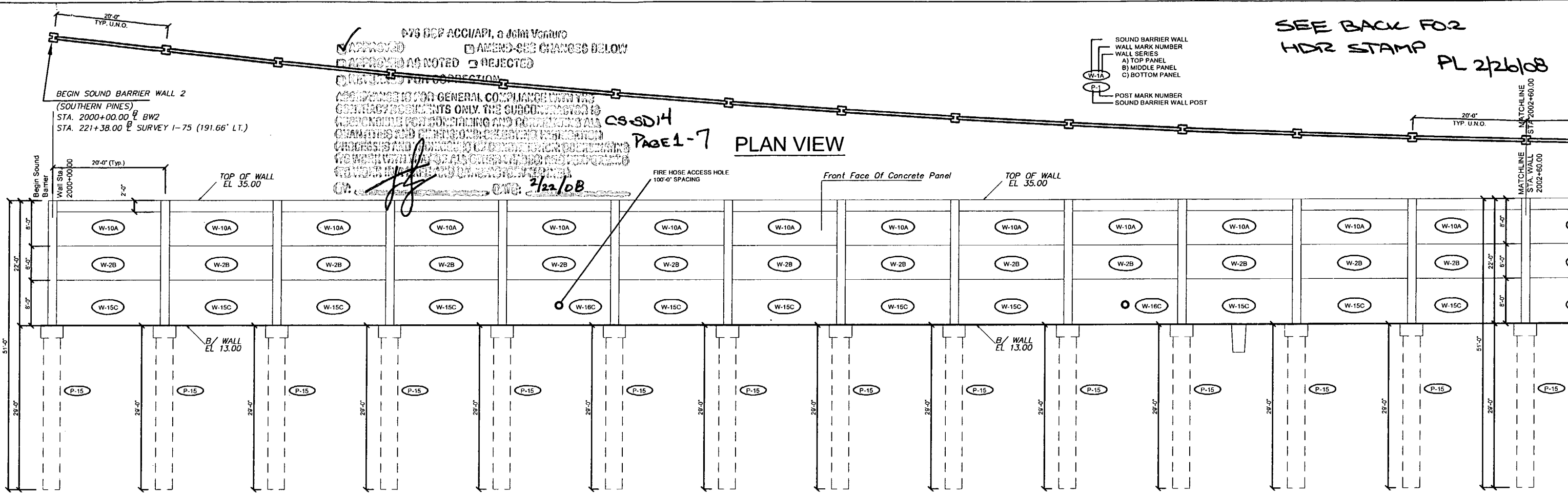
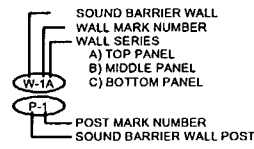
**DURATEK**  
 PRECAST TECHNOLOGIES  
 The Edge in Perimeter Walls  
 Concrete Pre cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34004-6820  
 Toll Free: 800/754-3841 Ph: 352/798-5944 Fax: 352/798-5933 Website: www.duratek.net

SOUND BARRIER WALL  
 TYPICAL WALL TURN DETAILS  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

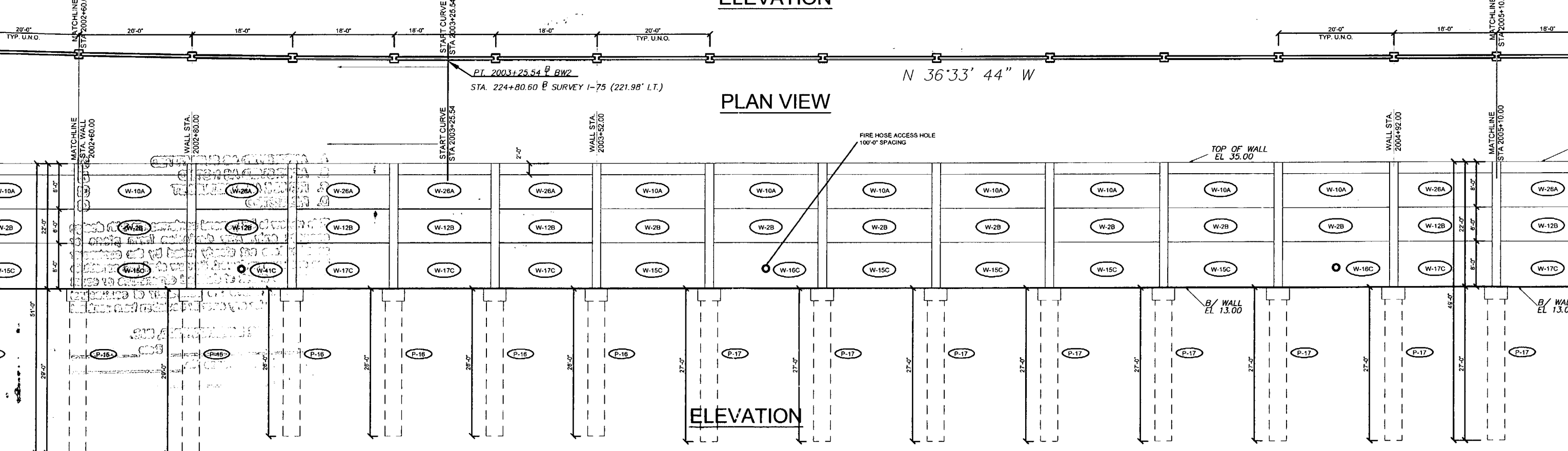
PROJECT NO.  
 07-2055-701  
 SHEET NO.  
 X3.00

SEE BACK FOR HDR STAMP  
PL 2/26/08

D79 DEP ACCIARI, a Joint Venture  
 APPROVED  
 APPROVED AS NOTED  
 REJECTED  
 REVISED FOR CORRECTION  
 AMEND-SUB CHANGES BELOW  
 CS-SD14  
 PAGE 1-7  
 2/22/08



ELEVATION



PLAN VIEW

ELEVATION

Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-4 DATED 007 AND 1007  
 BW-2-1 THRU BW-2-3 DATED 007

Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33504  
 Ph: 352/686-5311 Fax: 352/686-5411 Web: www.florida-engineering.com

February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**DURATEK** PRECAST TECHNOLOGIES  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8829  
 Toll Free: 800/754-3641 Ph: 352/796-5944 Fax: 352/796-5633 Website: www.duratek.net

SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION SHOP DRAWING (STA 2000+00.00 - 2005+10.00)	PROJECT NO. 07-205S-701
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD	SHEET NO. X1.10



REVISIONS

DATE

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

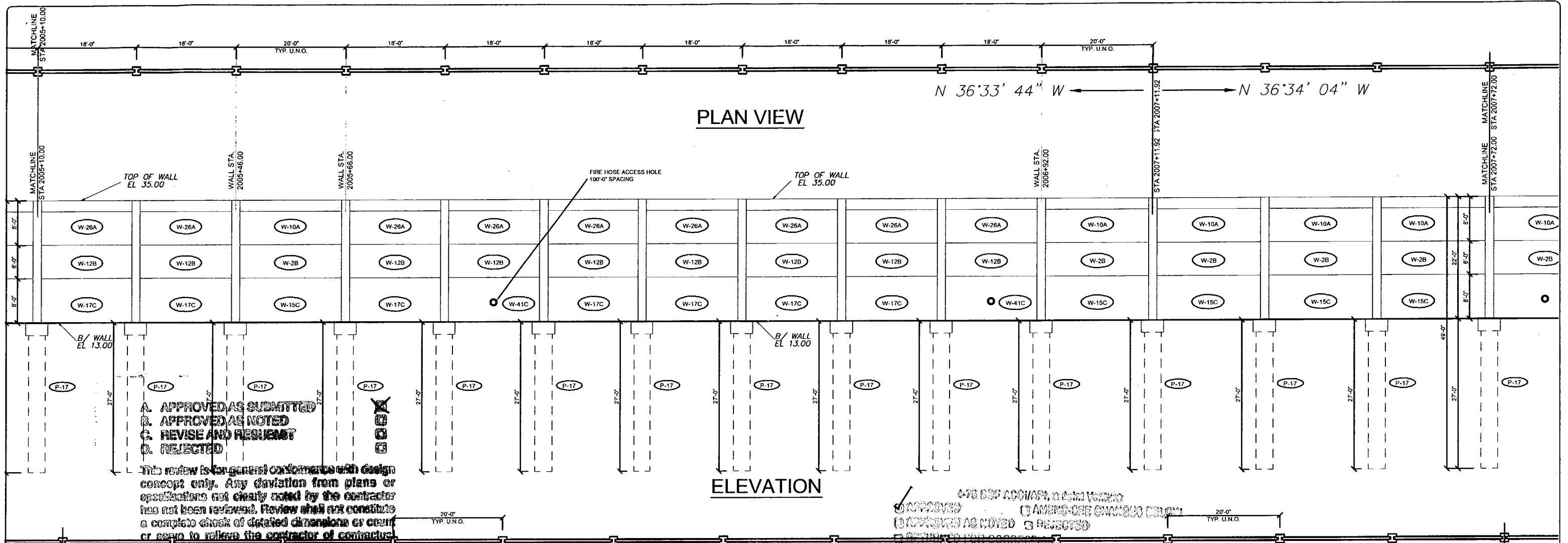
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By PL Date 2/26/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_



**PLAN VIEW**

**ELEVATION**

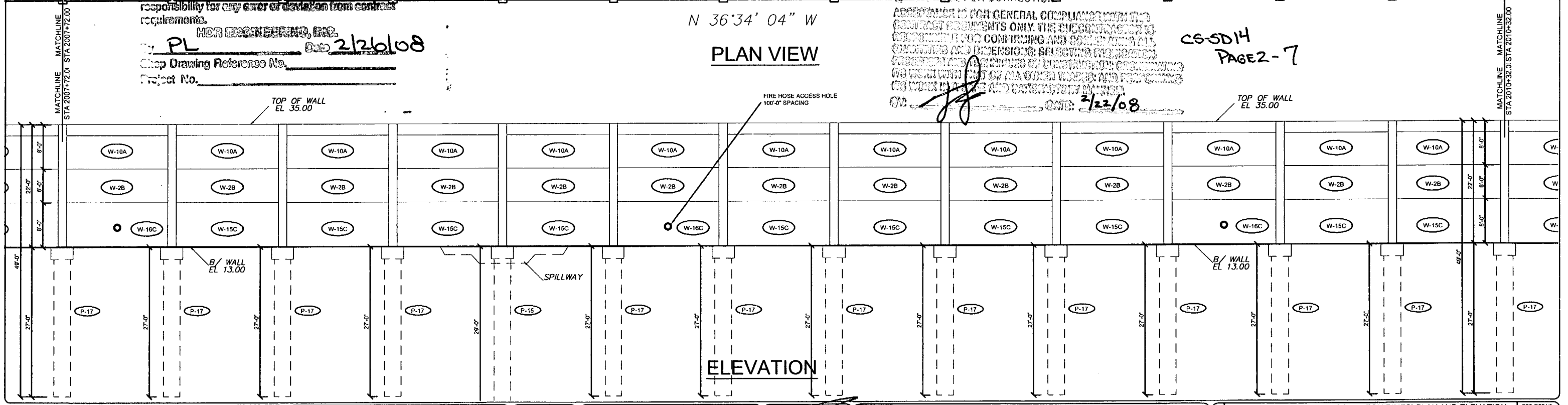
- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractor responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: PL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

APPROVED  
 APPROVED AS NOTED  
 REJECTED  
 APPROVED FOR CORRECTION  
 APPROVED FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL DIMENSIONS AND DIMENSIONS; SELECTING THE LOCATION, PROFILES AND SIZES OF CONSTRUCTION EQUIPMENT TO BE USED WITH ANY OF THE OTHER TRADES AND FOR OBTAINING THE WORK IN A SAFE AND SATISFACTORY MANNER.  
 DATE: 2/22/08

CS-5D14  
 PAGE 2-7



**PLAN VIEW**

**ELEVATION**

Rev. No.	Date	Description
02/18/08	02/18/08	Comments Received 02/18/08 - Fire Access Hole Locations - Foundation at Spillway

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 DW-1 THRU DW-5 DATED 06/1 AND 10/7  
 BW-1 THRU BW-3 DATED 06/7

Drawn By: J.R.A.  
 Date: 01/10/08  
 Checked By: J.A.H.  
 Date: 01/18/08

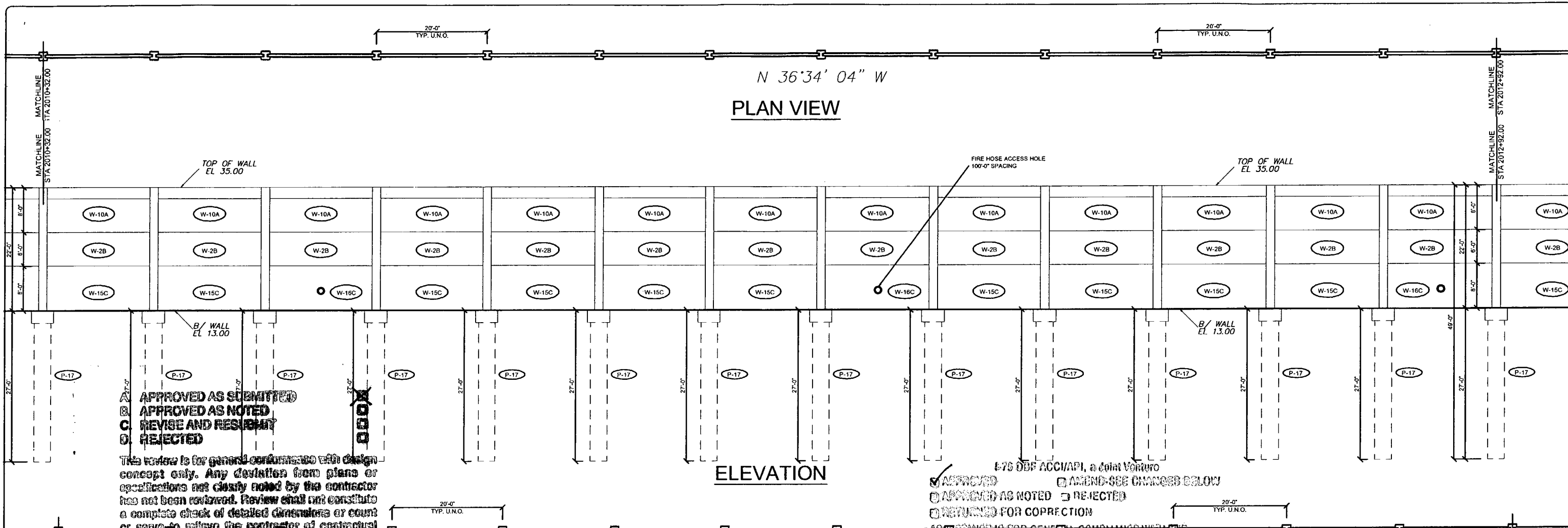
**Florida Engineering Solutions**  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33576  
 Ph: 502 / 668 - 6311 Fax: 502 / 668 - 5411 Web: www.florida-engineering.com

February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**DURATEK** PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8529  
 Toll Free: 800/754-3641 Ph: 352/799-5944 Fax: 352/766-5933 Website: www.duratek.net

SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
 SHOP DRAWING (STA 2005+10.00 - 2010+32.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.11



APPROVED AS SUBMITTED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 REJECTED

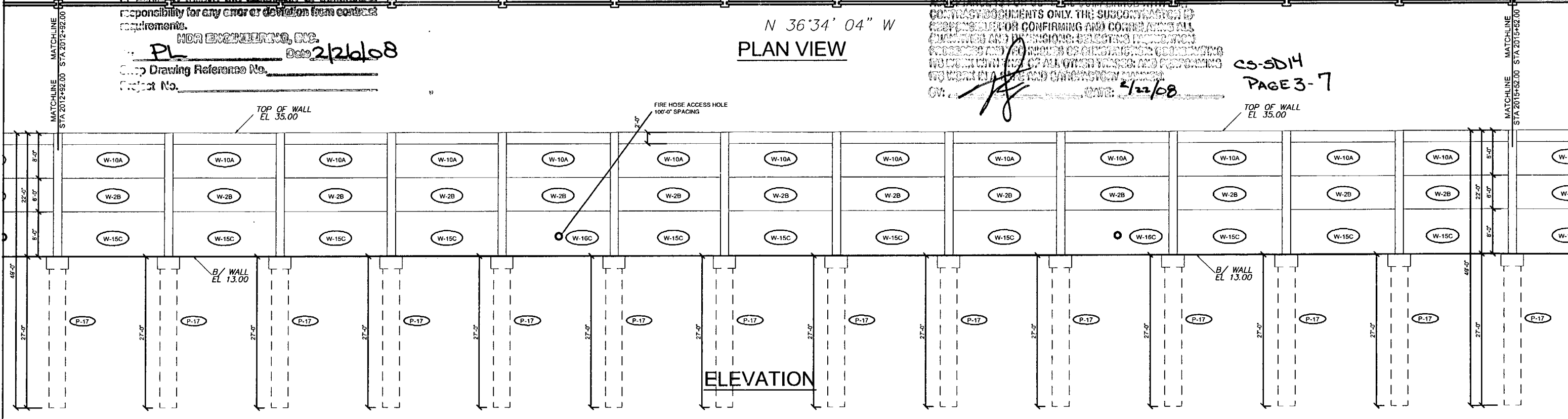
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HR ENGINEERS, INC.  
 PL Date 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

APPROVED  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 AMEND-SEE CHANGES BELOW  
 REJECTED

I-75 DBF ACC/API, a Joint Venture  
 AS ENGINEER FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING PARTICIPATION PROCESSORS AND METHODS OF CONSTRUCTION; COORDINATING WITH ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND CAREFUL MANNER.  
 DATE: 2/22/08

CS-SD14  
 PAGE 3-7



Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HR ENGINEERS, INC.  
 BW-1 THRU BW-4 DATED 06/7 AND 10/07  
 BW-2-1 THRU BW-2-3 DATED 06/7

Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08

C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33576  
 Ph: 352 / 688 - 5311 Fax: 352 / 688 - 6411 Web: www.florida-engineering.com

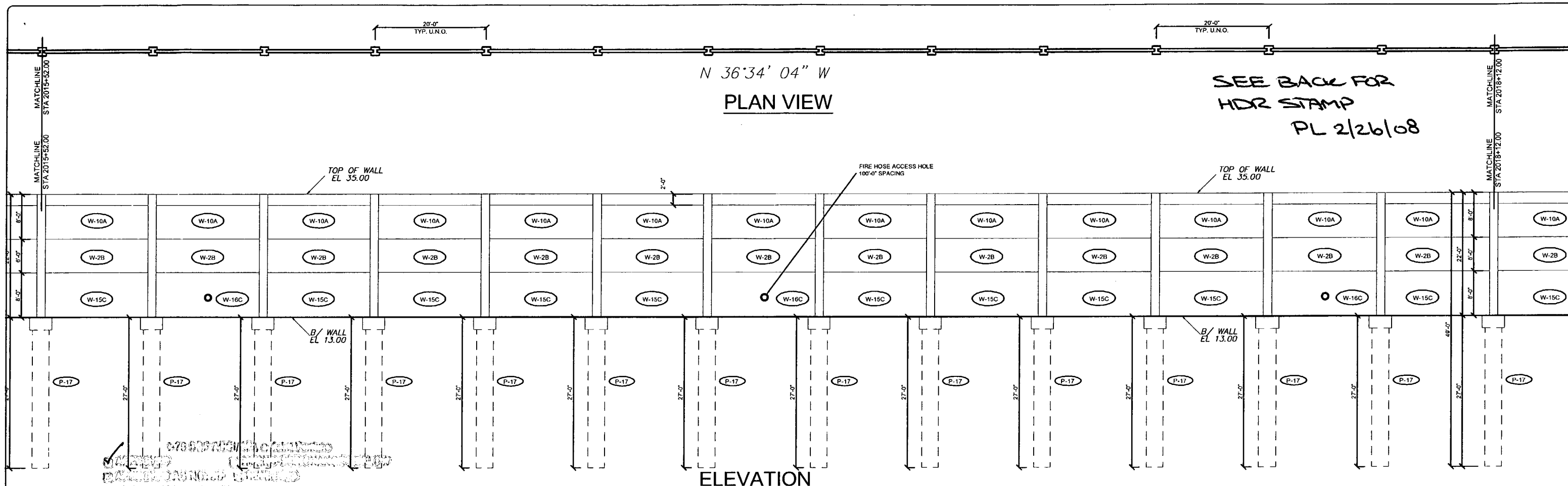
February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
 Toll Free: 800/754-3644 Ph: 352/798-5644 Fax: 352/798-5633 Website: www.duratek.net

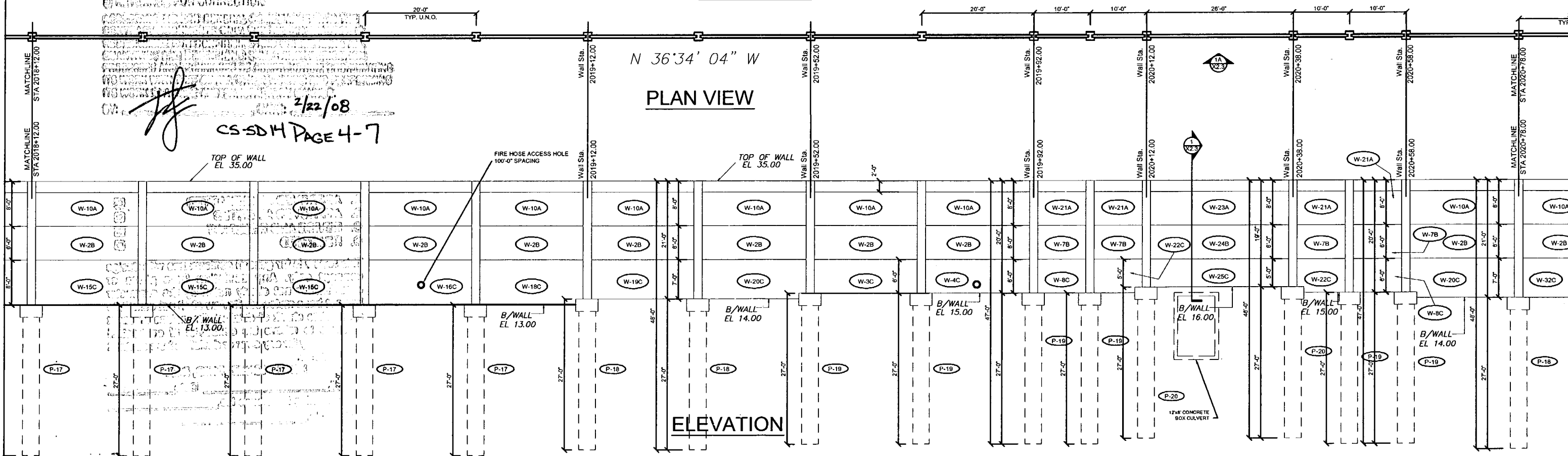
SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
 SHOP DRAWING (STA 2010+32.00 - 2015+52.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.12





SEE BACK FOR  
HDR STAMP  
PL 2/26/08



CS-SDH PAGE 4-7  
2/22/08

Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Soilway

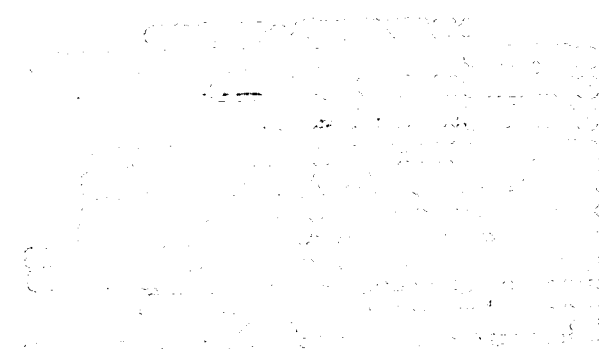
SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HDR ENGINEERING, INC.  
BW-1 THRU BW-6 DATED 007 AND 1007  
BW-7 THRU BW-23 DATED 007

Drawn By: J.R.A.  
Date: 01/02/08  
Checked By: J.A.H.  
Date: 01/16/08

**Florida Engineering Solutions**  
C.A. No. 26300 - 12630 Curley Bl. - Suite 101 - San Antonio, FL 78241  
Ph: 352 / 586 - 8311 Fax: 352 / 586 - 8411 Web: www.florida-engineering.com

**DURATEK** PRECAST TECHNOLOGIES  
The Edge in Perimeter Walls  
Concrete Pre-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6620  
Tel: 800/754-3641 Ph: 352/796-6644 Fax: 352/796-6933 Website: www.duratek.net

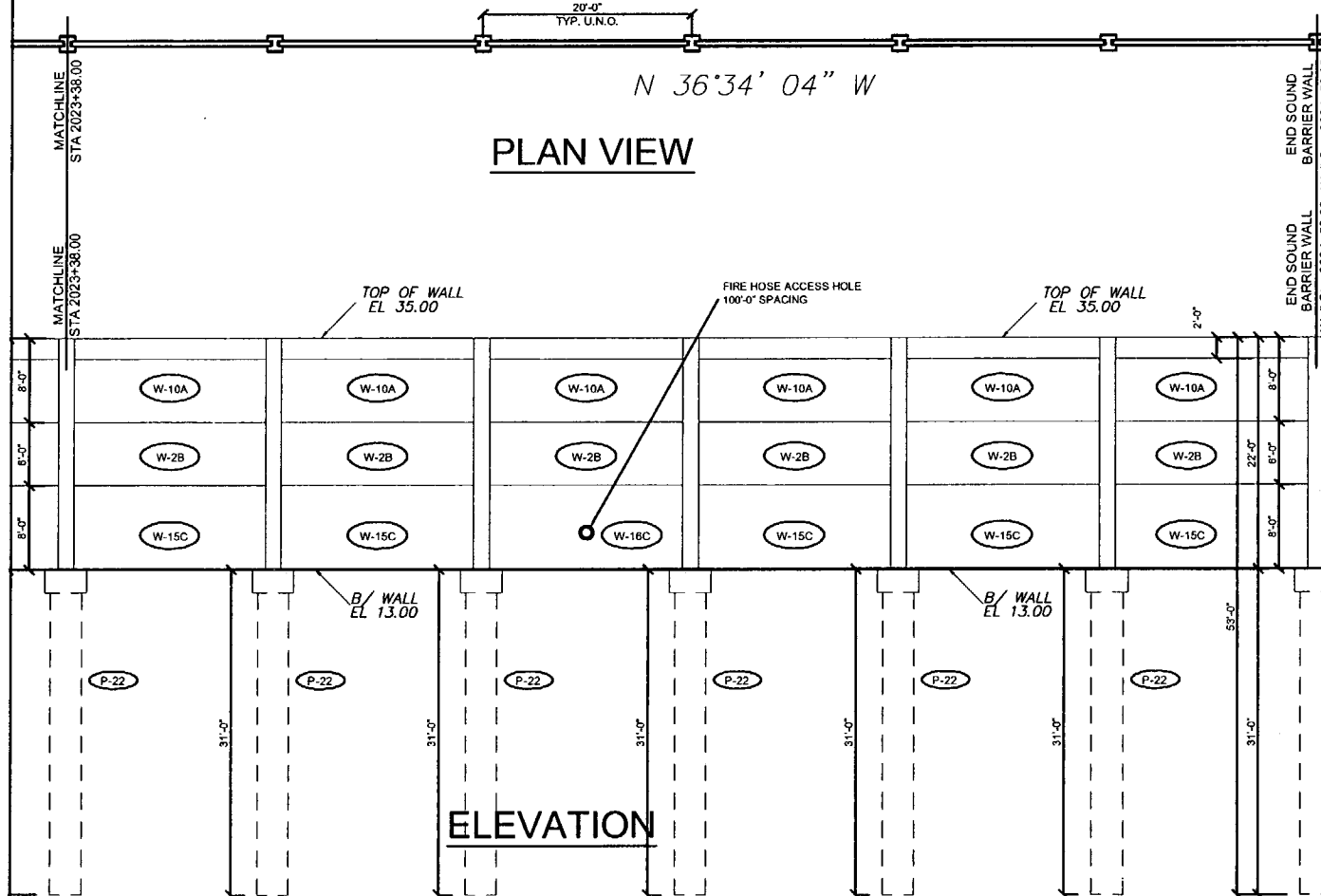
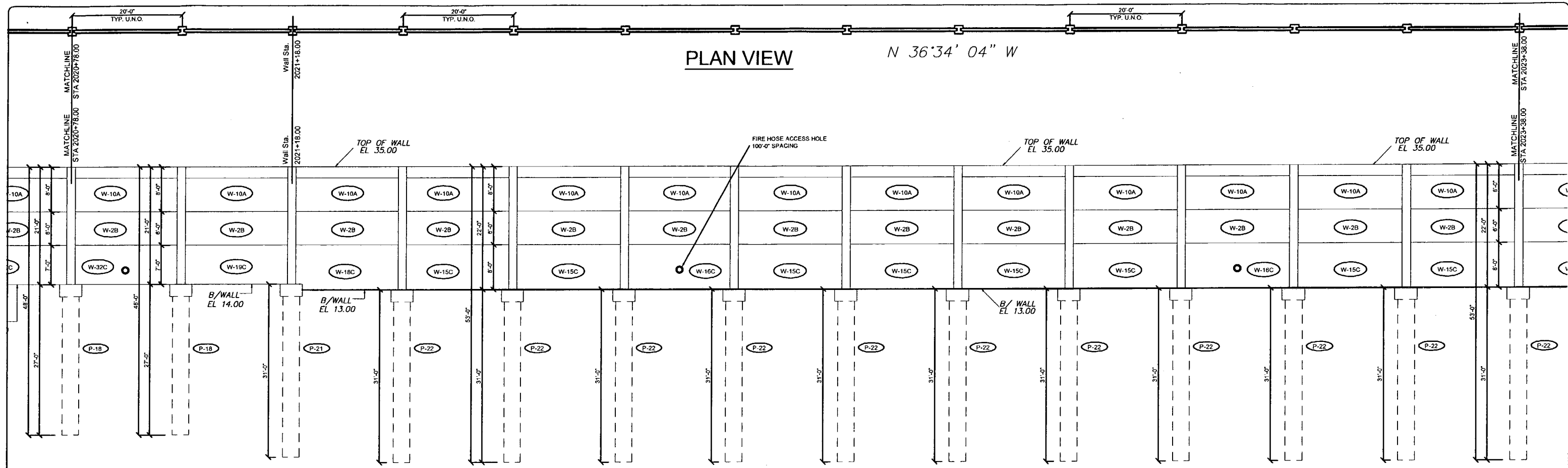
SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
SHOP DRAWING (STA 2015+52.00 - 2020+78.00)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
PROJECT NO. 07-2055-701  
SHEET NO. X1.13



- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

MOR ENGINEERING, INC.  
By PL Date 2/26/08  
Shop Drawing Reference No. \_\_\_\_\_  
Project No. \_\_\_\_\_



END SOUND BARRIER WALL 2  
(SOUTHERN PINES)  
STA. 2024+58.00 B/W2  
STA. 246+37.69 CONST. 1-75 (242.75' LT.)

APPROVED BY: [Signature]  
DATE: 2/22/08  
CS-SD14 PAGE 5-7

**APPROVED AS SUBMITTED**  
**APPROVED AS NOTED**  
**REVISE AND RESUBMIT**  
**REJECTED**

This review is for general compliance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

PL  
Drawing Reference No. 2/26/08  
Project No.

Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HOK ENGINEERING, INC.  
BW-1 THRU BW-4 DATED 09/07 AND 10/07  
BW2-1 THRU BW2-3 DATED 06/07

Drawn By: J.R.A.  
Date: 01/02/08  
Checked By: J.A.M.  
Date: 01/18/08

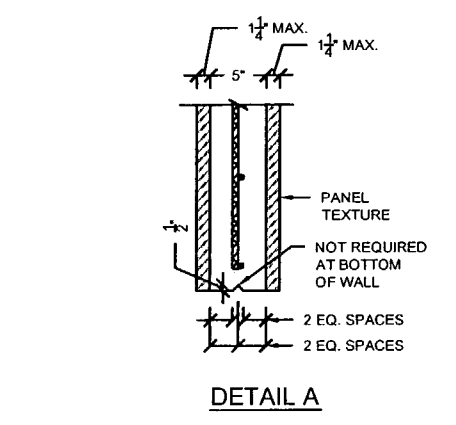
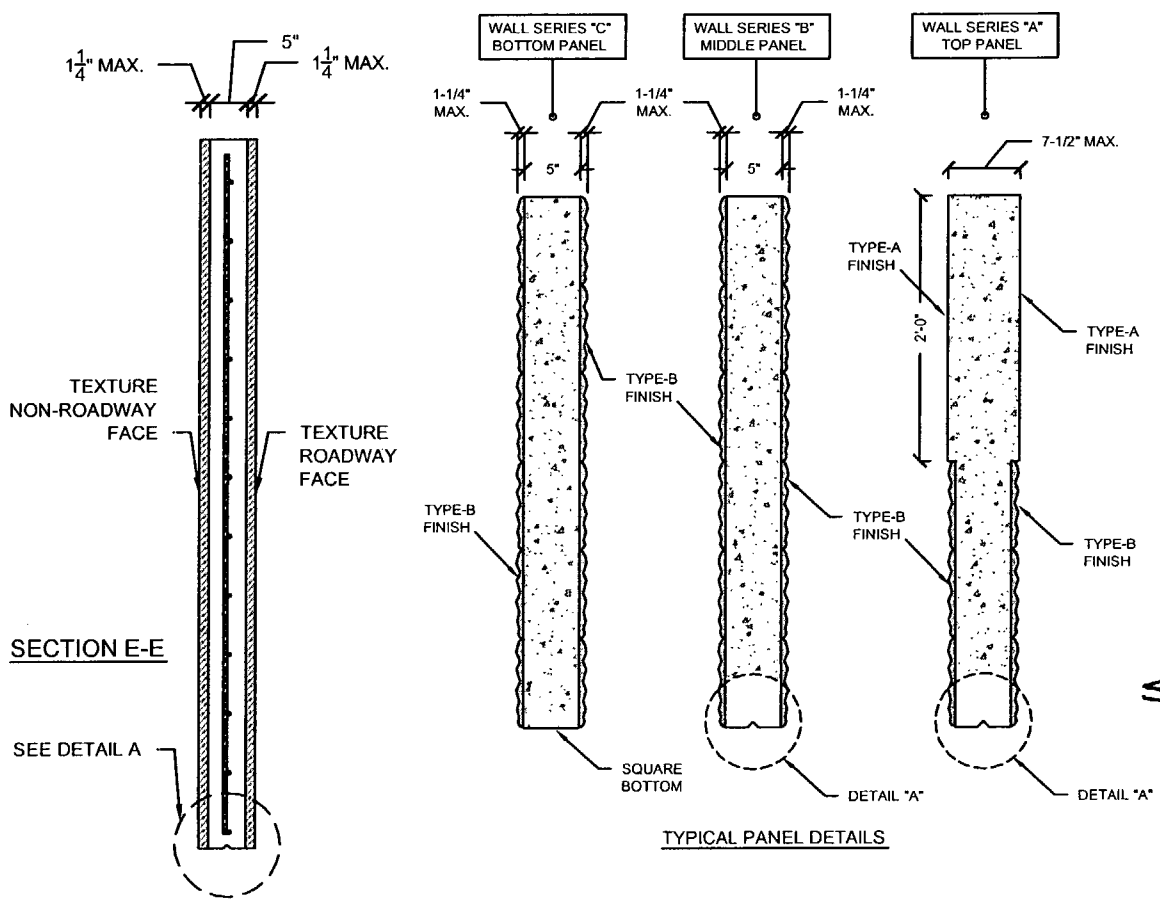
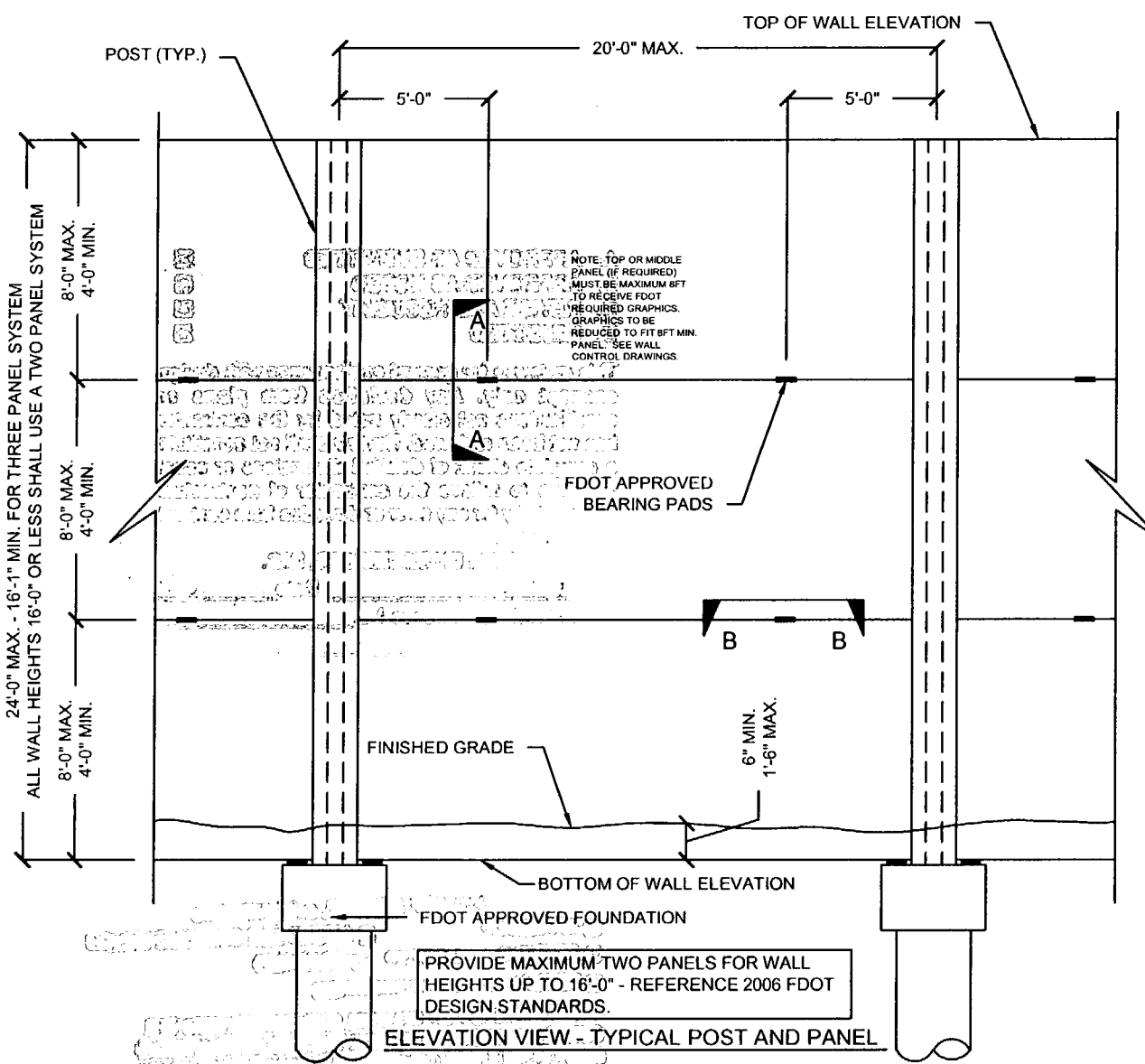
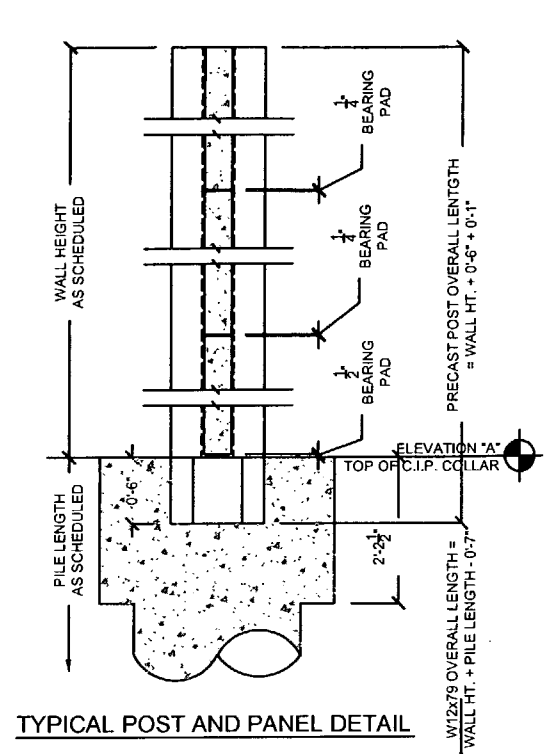
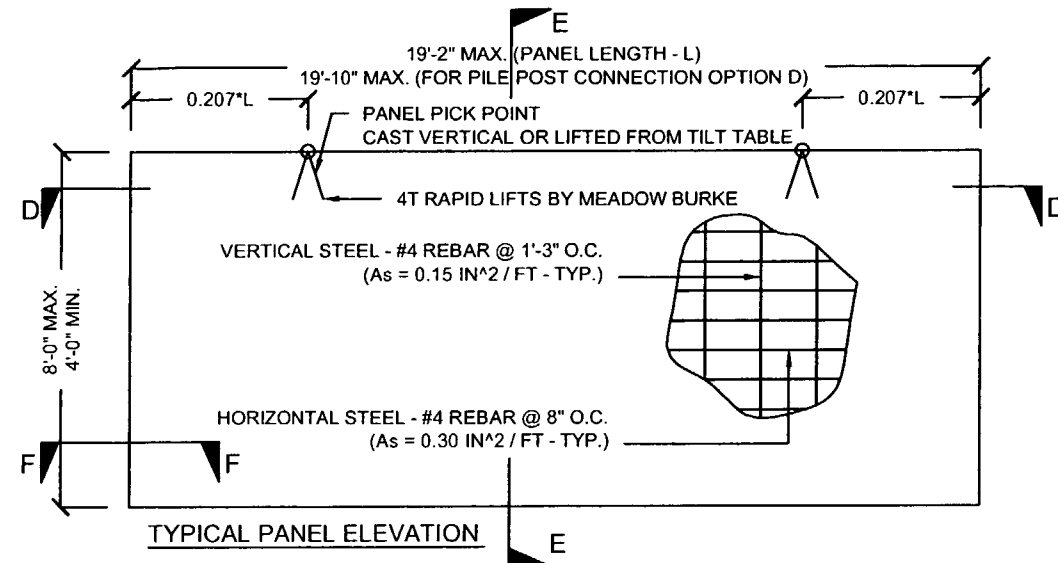
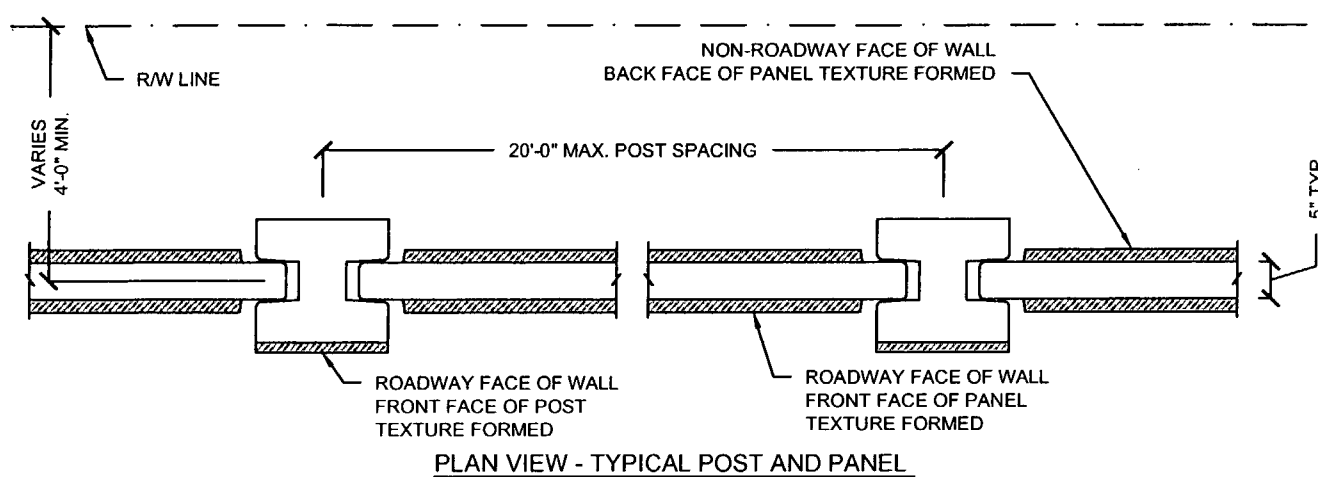
**Florida Engineering Solutions**  
C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33576  
Ph: 352/588-5311 Fax: 352/588-5411 Web: www.florida-engineering.com

**DURATEK**  
CONCRETE TECHNOLOGIES  
February 21st 2008  
John A. Hoy, P.E.  
Florida License Number: 65312

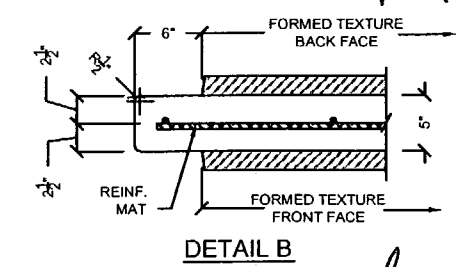
**The Edge in Perimeter Walls**  
Concrete Pro-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brookville, FL 34604-8529  
Toll Free: 800/754-3841 Ph: 352/768-6944 Fax: 352/768-6933 Website: www.duratek.net

SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
SHOP DRAWING (STA 2020+78.00 - 2024+58.00 END OF WALL)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
SHEET NO. X1.14



SEE BACK FOR HDR STAMP  
PL 2/26/08



SEE BACK FOR STAMP  
2/22/08

**GENERAL NOTES**  
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5200  
**TEXTURE OPTIONS**  
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5201

**SPECIAL PANELS AND POSTS**  
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203

**TYPICAL PANELS AND POSTS**  
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203  
SECTION A-A  
SECTION B-B  
SECTION 'ELEVATION STEP AT BOTTOM OF WALL'

**GRAPHICS AND TEXTURE DETAILS**  
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 WITH THE FOLLOWING EXCEPTIONS: 1) MAX PANEL HEIGHT = 8FT, 2) MAX. 1-1/4\"/>

**FIRE HOSE ACCESS HOLE & DRAINAGE DETAILS**  
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5204

**PILE / POST CONNECTION OPTIONS**  
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5205  
OPTIONS - C

**FOUNDATION DEPTH AND REINFORCING**  
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5206 AND THESE DRAWINGS

**TYPICAL PANELS AND POSTS**  
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203  
SECTION F-F

Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/19/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC.  
DW-1 THRU DW-4 DATED 09/07 AND 10/07  
BW-1-1 THRU BW-1-4 DATED 10/07

Drawn By: R.M.  
Date: 1/22/10/7  
Checked By: J.A.H.  
Date: 01/18/08

**Florida Engineering Solutions**  
C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, FL 32797  
Ph: 352 / 568 - 8311 Fax: 352 / 568 - 5411 Web: www.florida-engineering.com

**DURATEK**  
PRECAST TECHNOLOGIES  
February 21st, 2008  
John A. Hoy, P.E.  
Florida License Number 55312

**The Edge in Perimeter Walls**  
Concrete Pro-cast Buffer Walls  
Corporate Office Location: 2160 American Flyer Way Brooksville, FL 34604-6020  
Toll Free: 800/764-3641 Ph: 352/795-5944 Fax: 352/795-5933 Website: www.duratek.com

**DURATEK SOUND BARRIER WALL TYPICAL SECTIONS/DETAILS/ AND PROJECT SCHEDULES**  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
PROJECT NO. 07-2055-701  
SHEET NO. X2.1

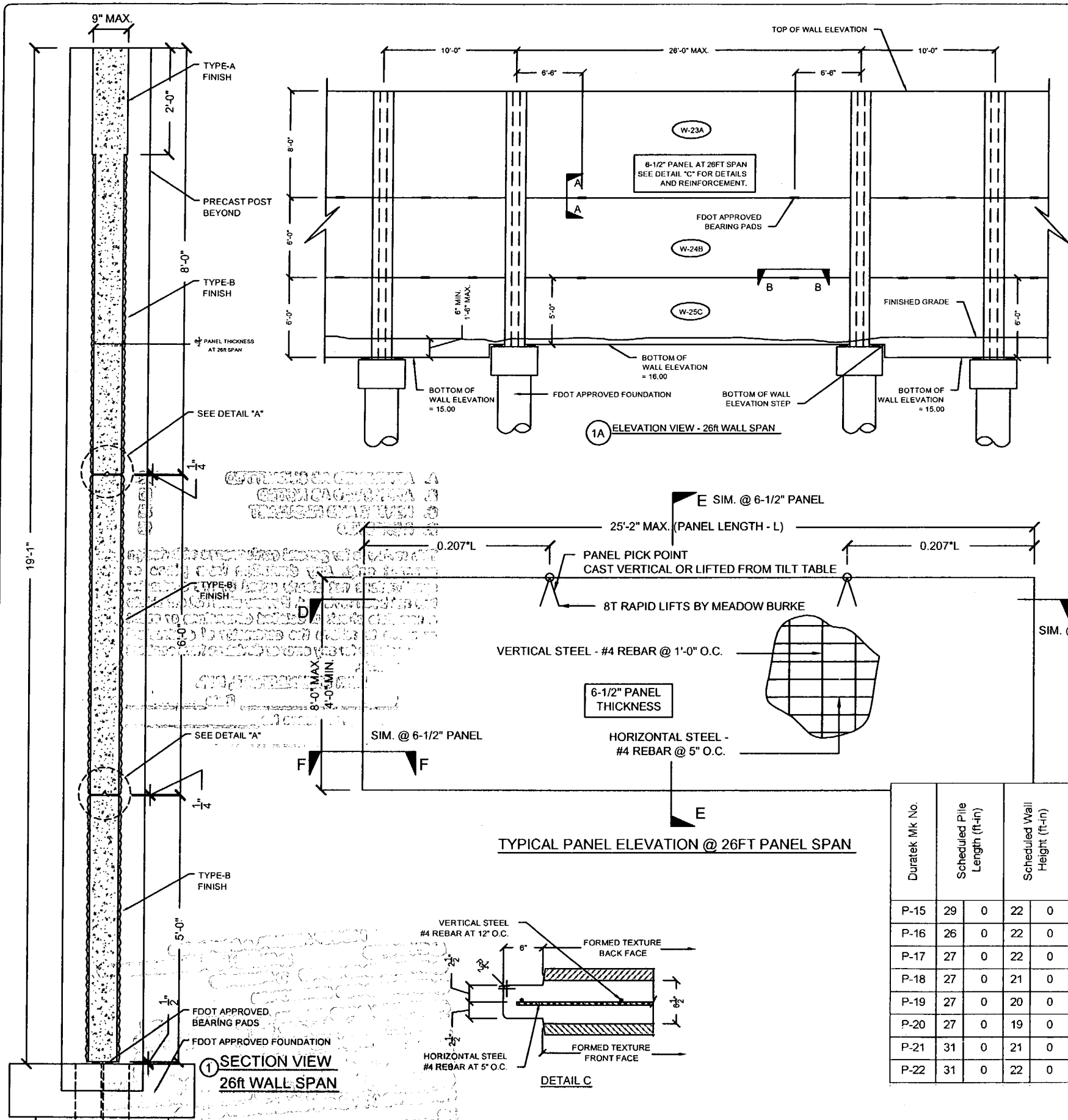
- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

PL HDR ENGINEERING, INC. Date 2/26/08

Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

1-75 DSE ASSOCIATES, A Subsidiary  
 APPROVED  APPROVED AS NOTED  REVISIONS REQUIRED  
 APPROVED AS NOTED  REVISIONS  
 RETURNED FOR CORRECTIONS  
 ACCEPTANCE IS FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SIGNING ENGINEER IS RESPONSIBLE FOR CONFIRMING THE CORRECTNESS OF THE QUANTITIES AND DIMENSIONS, INCLUDING THE REVISION PROCESSES AND THE ENGINEER'S OBLIGATION FOR COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PROFESSIONS IN ITS WORK IN THE PROJECT AND CONTRACT DOCUMENTS.  
 BY: [Signature] DATE: 2/22/08



DURATEK PRECAST WALL PANEL SCHEDULE  
SOUND BARRIER WALL (SOUTHERN PINES)

Duratek Mk No.	Panel Length (ft-in)	Panel Height (ft-in)	Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number					Total Panel Quantity	Total Panel Square Footage	Remarks		
						X1.10	X1.11	X1.12	X1.13	X1.14					
W-2B	19	2	6	0	5	Type-B	Type-B	21	18	26	23	19	107	12305.0	
W-3C	19	2	6	0	5	Type-B	Type-B				1		1	115.0	
W-4C	19	2	6	0	5	Type-B	Type-B				1		1	115.0	Fire Hose Access Hole
W-7B	9	2	6	0	5	Type-B	Type-B				4		4	220.0	
W-8C	9	2	6	0	5	Type-B	Type-B				2		2	110.0	
W-10A	19	2	8	0	5	Type-B	Type-B	21	18	26	23	19	107	16406.7	2ft Type-A Finish at Top
W-12B	17	2	6	0	5	Type-B	Type-B	5	9				14	1442.0	
W-15C	19	2	8	0	5	Type-B	Type-B	17	15	21	13	13	79	12113.3	
W-16C	19	2	8	0	5	Type-B	Type-B	4	3	5	4	3	19	2913.3	Fire Hose Access Hole
W-17C	17	2	8	0	5	Type-B	Type-B	4	7				11	1510.7	
W-18C	19	2	8	0	5	Type-B	Type-B				1	1	2	306.7	Bottom of Wall - Elev. Step
W-19C	19	2	7	0	5	Type-B	Type-B				1	1	2	268.3	
W-20C	19	2	7	0	5	Type-B	Type-B				2		2	268.3	Bottom of Wall - Elev. Step
W-21A	9	2	8	0	5	Type-B	Type-B				4		4	293.3	2ft Type-A Finish at Top
W-22C	9	2	6	0	5	Type-B	Type-B				2		2	110.0	Bottom of Wall - Elev. Step
W-23A	25	2	8	0	6.5	Type-B	Type-B				1		1	201.3	2ft Type-A Finish at Top
W-24B	25	2	6	0	6.5	Type-B	Type-B				1		1	151.0	
W-25C	25	2	5	0	6.5	Type-B	Type-B				1		1	125.8	
W-26A	17	2	8	0	5	Type-B	Type-B	5	9				14	1922.7	2ft Type-A Finish at Top
W-32C	19	2	7	0	5	Type-B	Type-B					1	1	134.2	Fire Hose Access Hole
W-41C	17	2	8	0	5	Type-B	Type-B	1	2				3		Fire Hose Access Hole
											378	51033			

DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (SOUTHERN PINES)

Duratek Mk No.	Scheduled Pile Length (ft-in)	Scheduled Wall Height (ft-in)	Precast Post Length (ft-in)	W12x79 Overall Length (ft-in)	Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number					Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)	Remarks			
							X1.10	X1.11	X1.12	X1.13	X1.14								
P-15	29	0	22	0	22	7	50	5	Type-A	Type-A	15	1				16	361.3	806.7	637.3
P-16	26	0	22	0	22	7	47	5	Type-A	Type-A	4					4	90.3	189.7	149.8
P-17	27	0	22	0	22	7	48	5	Type-A	Type-A	7	26	26	18		77	1738.9	3728.1	2945.2
P-18	27	0	21	0	21	7	47	5	Type-A	Type-A				2	2	4	86.3	189.7	149.8
P-19	27	0	20	0	20	7	46	5	Type-A	Type-A				6		6	123.5	278.5	220.0
P-20	27	0	19	0	19	7	45	5	Type-A	Type-A				2		2	39.2	90.8	71.8
P-21	31	0	21	0	21	7	51	5	Type-A	Type-A					1	1	21.6	51.4	40.6
P-22	31	0	22	0	22	7	52	5	Type-A	Type-A					17	17	383.9	891.1	704.0
											127	2845.1	6225.9	4918.5					

SEE BACK FOR STAMP  
*[Signature]* 2/22/08  
 SEE BACK FOR HDR STAMP  
 PL 2/26/08

Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-4 DA TSD 807 AND 1007  
 BW-1 THRU BW-2-3 DATED 007

Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Engineering Solutions**  
 C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33574  
 Ph: 352 / 568 - 5311 Fax: 352 / 568 - 5411 Web: www.hdr-engineering.com

February 21st, 2008  
 John A. Hey, P.E.  
 Florida License Number: 6512

**DURATEK**  
 PRECAST TECHNOLOGIES  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8820  
 Tallahassee: 900/764-3941 Ft. Pierce: 352/795-5944 Ft. Myers: 352/795-6933 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X2.3

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general confirmation with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By PL Date 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

APPROVED FOR GENERAL CONFIRMATION ONLY  
 CONTRACTOR'S RESPONSIBILITY IS TO VERIFY ALL DIMENSIONS AND QUANTITIES AND TO REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY UPON DISCOVERY.  
 THIS REVIEW IS NOT A COMPLETE CHECK OF DIMENSIONS OR COUNT OR TO RELIEVE THE CONTRACTOR OF CONTRACTUAL RESPONSIBILITY FOR ANY ERROR OR DEVIATION FROM CONTRACT REQUIREMENTS.  
 DATE: 2/22/08

16.02.031

Update per approved sheets

INDEX OF DRAWINGS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-26 SOUND BARRIER WALL PLANS & ELEVATIONS
- 27-34 PRECAST WALL & POST DETAILS
- 35 PRECAST WALL SCHEDULE
- 36 PRECAST POST & PILE SCHEDULE

# DURATEK

# DURATEK

## PRECAST TECHNOLOGIES®

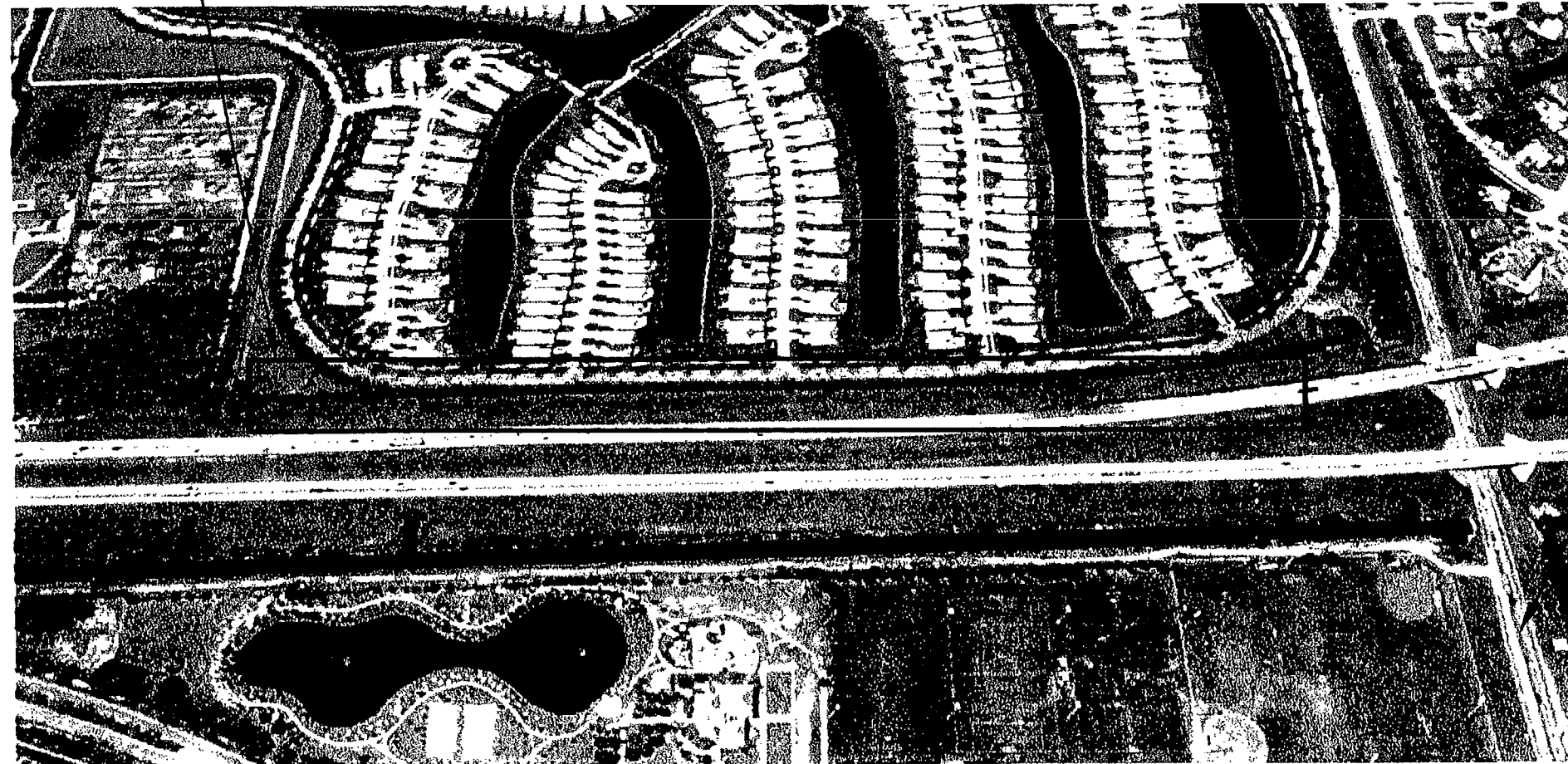
### SOUND WALL BW-6 SHOP DRAWINGS

### STATE ROAD 93 - I-75 - VILLAGE WALK

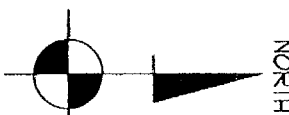
FINANCIAL PROJECT ID 420655-1-52-01  
(FEDERAL FUNDS)

COLLIER COUNTY (03175) AND LEE COUNTY (12075)

PROJECT LOCATION - WALL BW-6



I-75 CORRIDOR



FOR APPROVAL

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

A  
 B  
 C  
 D

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Reviewer shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By BT Date 9/16/09

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
9/23/09  
Signature

VANDERBILT BEACH ROAD

1-75 DBF ACCI/API, a Joint Venture  
 APPROVED  
 APPROVED AS NOTED  
 AMEND-SEE CHANGES BELOW  
 RETURNED FOR CORRECTION  
 REJECTED

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, OCCUPYING ITS WORK WITH THAT OF ALL OTHER TRADES AND PROVIDING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 9/17/09

\* NOTE: PILE/POST CONNECTIONS MUST MEET \*  
INDEX 5205 OPTION A

9/17/09

CS-SD 70 PAGE 1-29

REV.	DATE:
△	-

**DURATEK PRECAST TECHNOLOGIES**  
 2180 American Flyers Way  
 Brooksville, FL 34604-6829  
 Phone: (850) 796-5944 - Fax: (850) 796-5933  
 C/M 28460

Project Name: FINANCIAL PROJECT ID 420655-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)  
 STATE ROAD 93 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD

Project Location: COLLIER COUNTY, FL  
 Drawing Name: SOUND BARRIER WALL - BW-6

SCALE: NOTED  
 DATE: 1/21/09  
 DRAWN BY: RBB  
 SHEET: 1


MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #44041

© 2000 Duratek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duratek. Any such unauthorized use or reproduction of this drawing is done at the user's own risk and the user agrees to identify, defend and hold harmless Duratek from and against any and all claims, liability, and expenses, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.

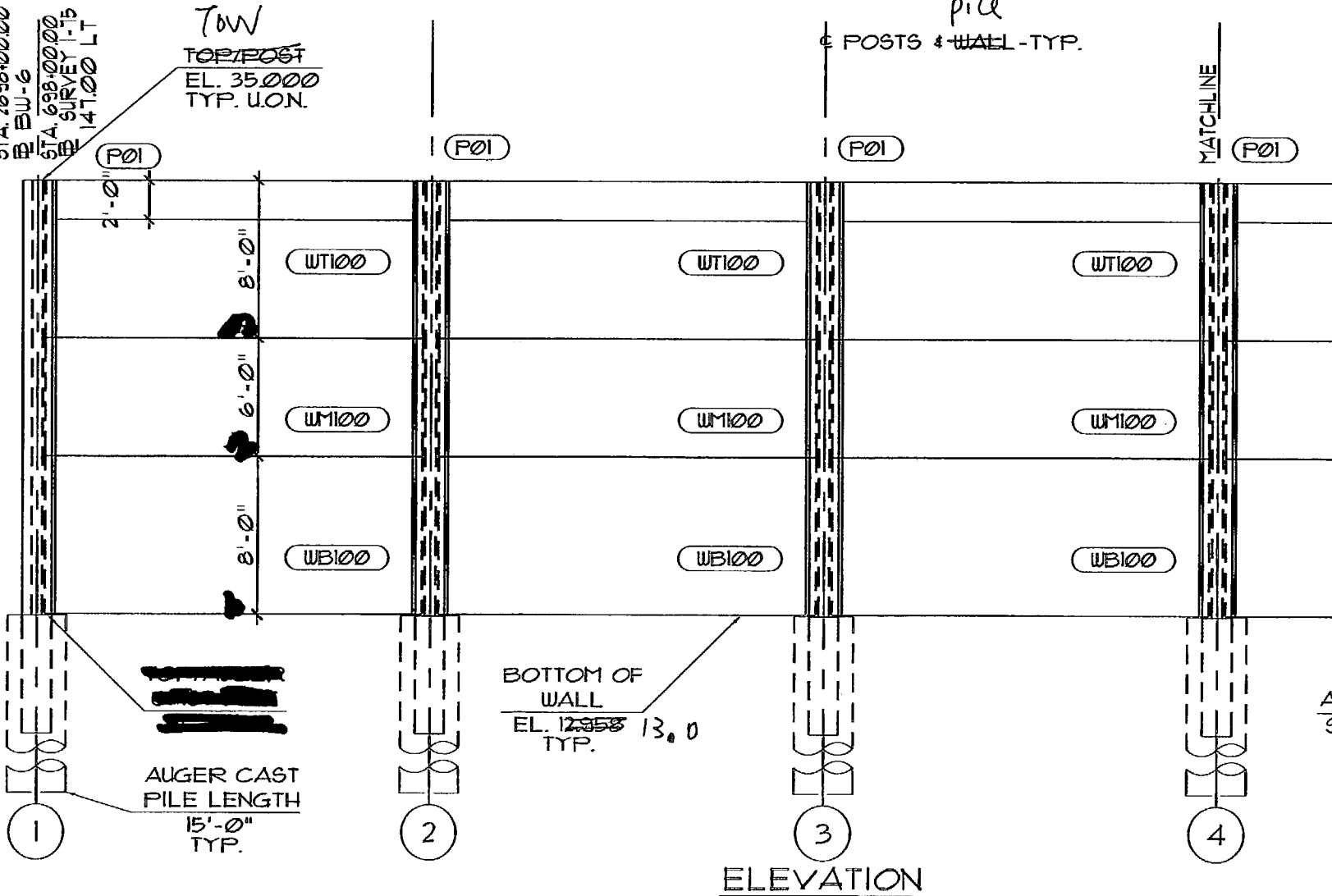


© 2009 Duralok Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duralok. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to identify, defend and hold harmless Duralok from and against any and all claims, liability, and expense, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.

CS-SD 70 PAGE 2-29


ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS. SELECTING FABRICATION PROCESS AND TECHNIQUES OF CONSTRUCTION. COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
BY:  DATE: 9/17/09


APPROVED AS NOTED  REJECTED  RETURNED FOR CORRECTION   
APPROVED AS NOTED  REJECTED  RETURNED FOR CORRECTION   
APPROVED AS NOTED  REJECTED  RETURNED FOR CORRECTION   
APPROVED AS NOTED  REJECTED  RETURNED FOR CORRECTION

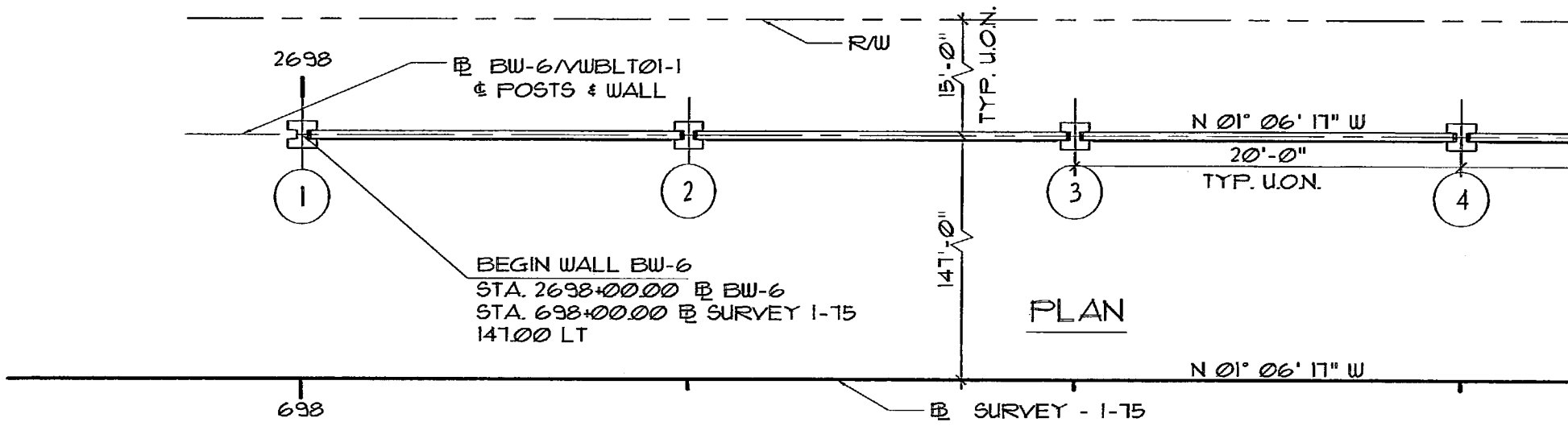


[Redacted area]

G.C. PLEASE IDENTIFY ANY ADDITIONAL UTILITIES NOT SHOWN, PRESENTING CONFLICTS WITH BARRIER WALLS AND POSTS.

RELEASE FOR CONSTRUCTION  
 9/29/09  
Signature

SEAL:  
  
MANUEL R. LINARES, III, P.E.  
FLORIDA REG. #44041



APPROVED AS NOTED  REJECTED  RETURNED FOR CORRECTION

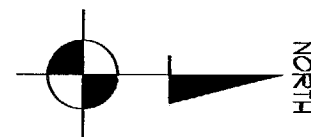
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By:  Date: 9/17/09

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_



REV.	DATE:
△	

PRECAST TECHNOLOGIES  
2180 American Flyer Way  
Brooksville, FL 34604-6829  
Phone (813) 796-5944 Fax (813) 796-5953  
CA# 28460

Project Name: FINANCIAL PROJECT ID 420655-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)  
STATE ROAD 85-175 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD

Project Location: COLLIER COUNTY, FL.

Drawing Name: SOUND BARRIER WALL - BW-6

SCALE: NOTED  
DATE: 1/21/09  
DRAWN BY: RBB  
SHEET: 3

© 2009 Duratek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duratek. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to indemnify, defend and hold harmless Duratek from and against any and all claims, liability, and expenses, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

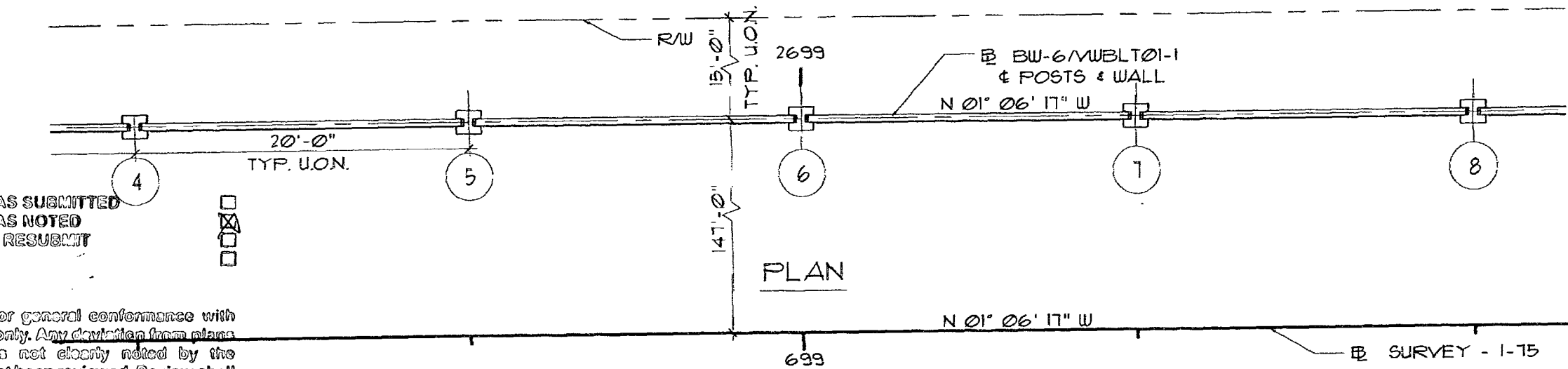
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By DT Date 9/17/09

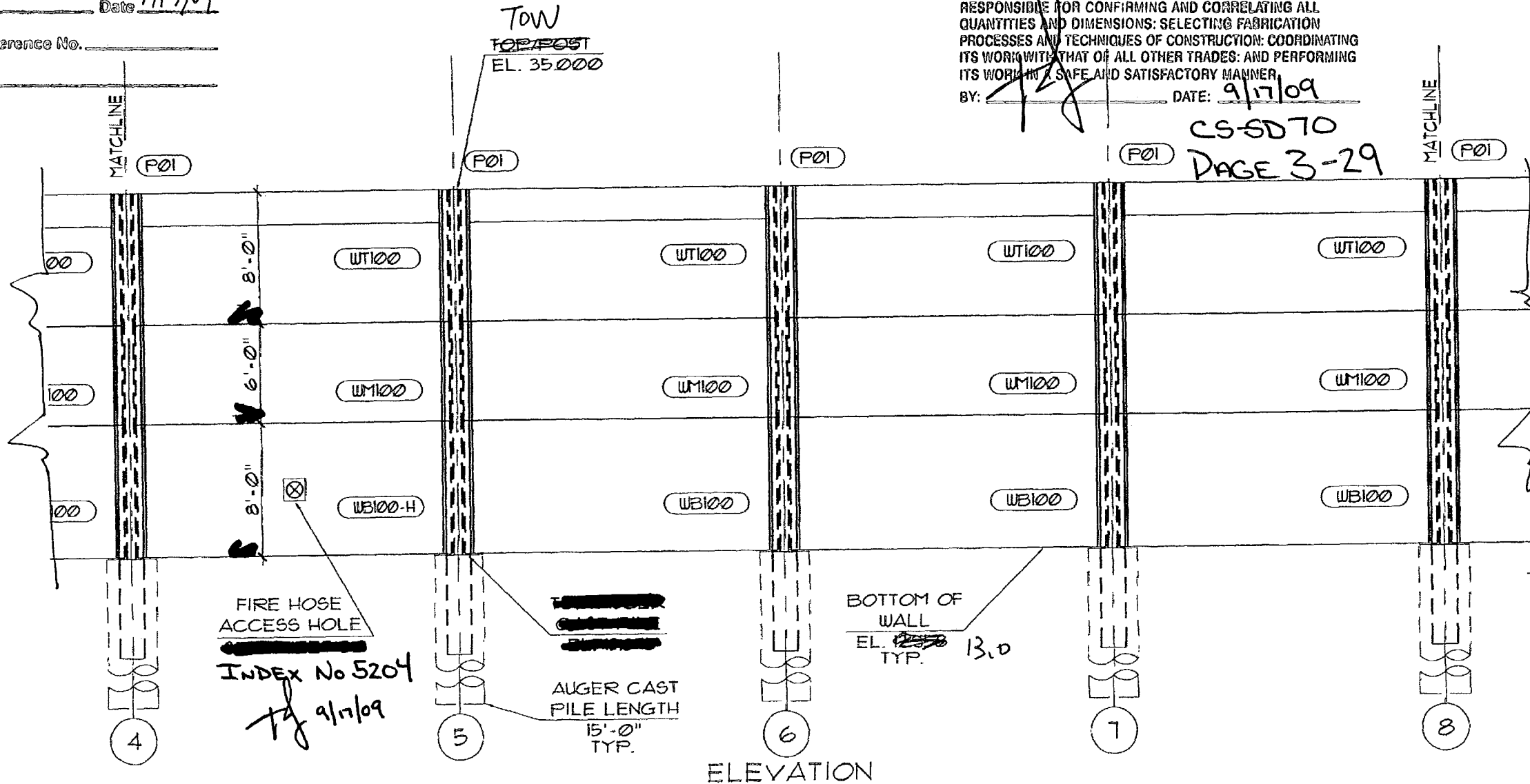
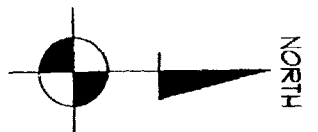
Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_



PLAN

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED       AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED     REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 9/17/09



ELEVATION

CS-SD70  
 PAGE 3-29

RELEASE FOR CONSTRUCTION  
[Signature]  
 Signature  
 Date 9/29/09

SEAL:  
[Signature]

MANUEL R. LINARES, D.L.P.E.  
 FLORIDA REG. #44041

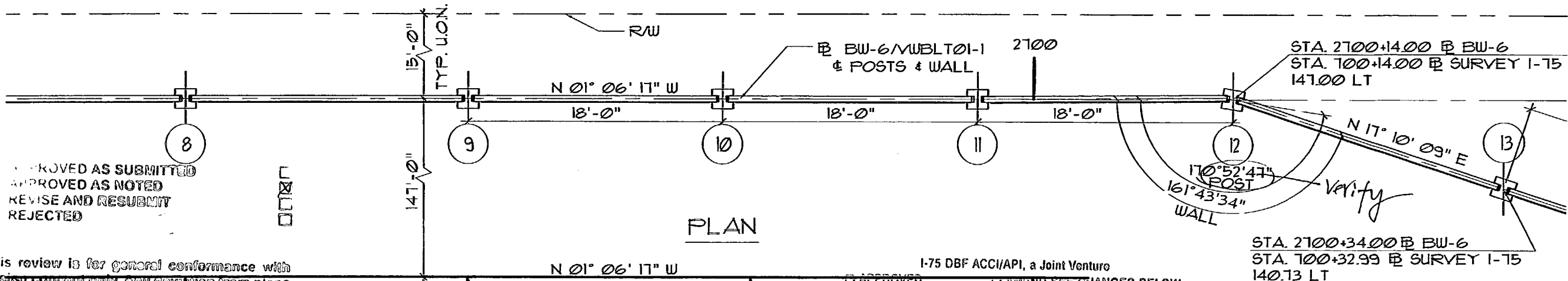
REV.	DATE:
△	

DURATEK  
 PRECAST TECHNOLOGIES  
 2180 American Flyers Way  
 Brooksville, FL 34604-6820  
 Phone: (352) 796-9444 - Fax: (352) 796-9933  
 C-AY 28460

Project Name: FINANCIAL PROJECT ID 420655-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)  
 STATE ROAD 98 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD  
 Project Location: COLLIER COUNTY COUNTY, FL.  
 Drawing Name: SOUND BARRIER WALL - BW-6

SCALE: NOTED  
 DATE: 1/22/09  
 DRAWN BY: REB  
 SHEET: 4

© 2008 Durbak Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Durbak. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to identify, defend and hold harmless Durbak from and against any and all claims, liability, and expense, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



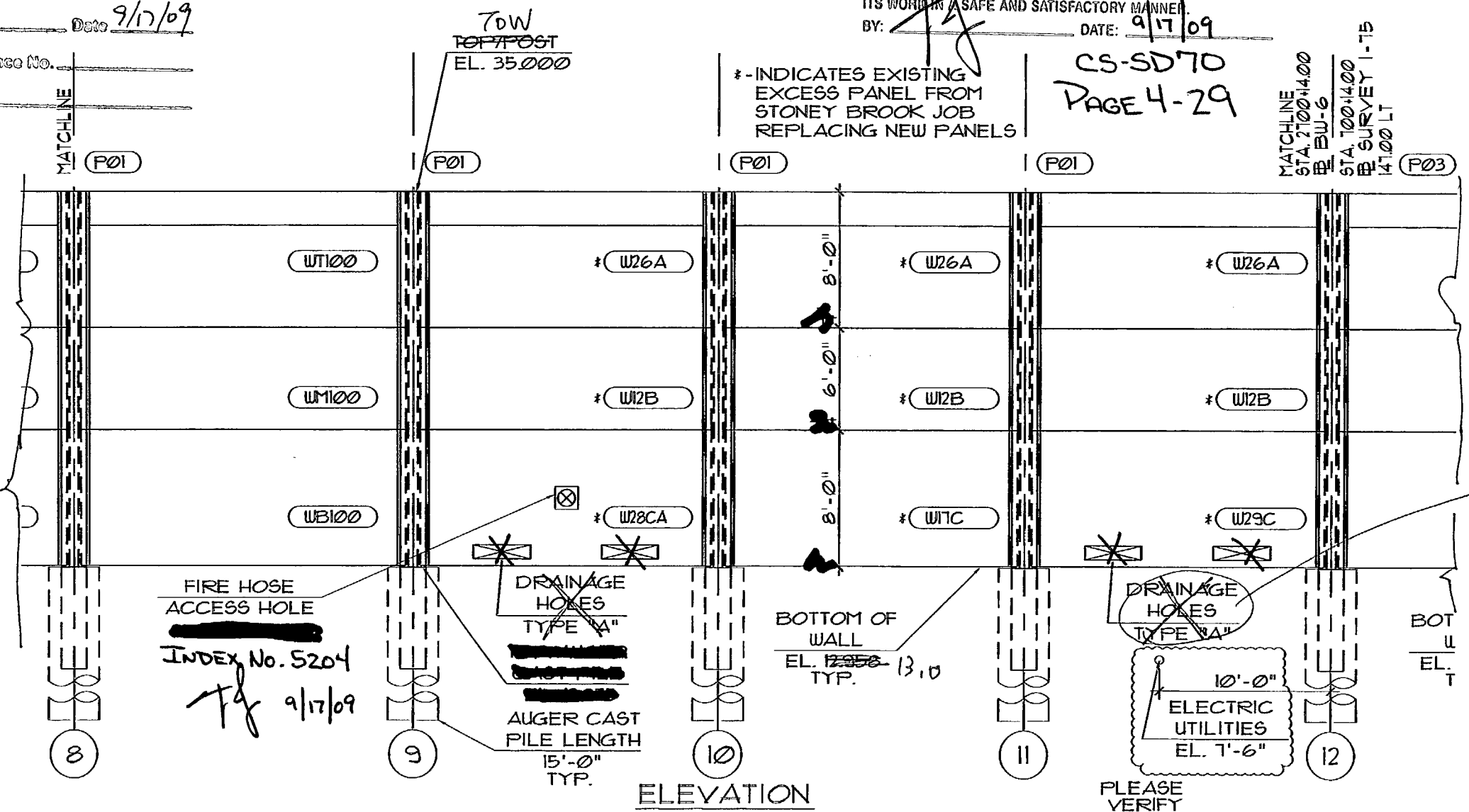
APPROVED AS SUBMITTED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications ~~by the contractor~~ **SURVEY NOTES** by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

By DT Date 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  NOTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS. SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 9/17/09

CS-SD70  
 PAGE 4-29



FIRE HOSE ACCESS HOLE  
 INDEX No. 5204  
Tg 9/17/09

Delete all from this job

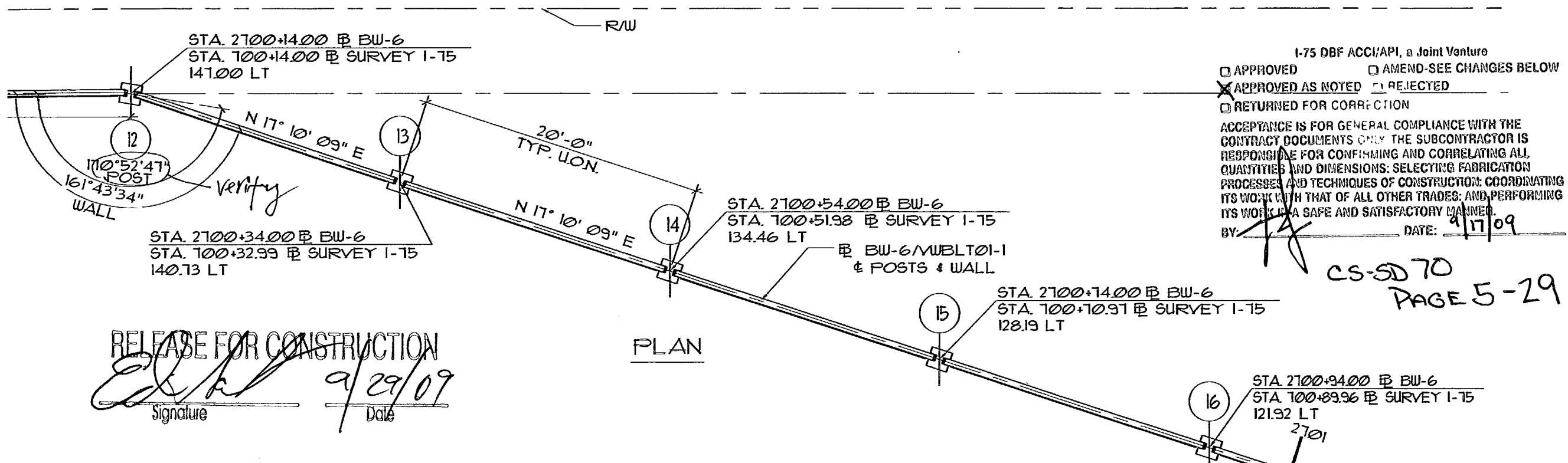
PLEASE VERIFY  
 10'-0" ELECTRIC UTILITIES  
 EL. 7'-6"

RELEASE FOR CONSTRUCTION  
[Signature]  
 Signature  
 Date 9/21/09

SEAL:  
[Signature]  
 MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #44041

REV.	DATE:
 2180 American Flyer Way Brooksville, FL 34604-6629 Phone: (850) 796-5944 Fax: (850) 796-5933 CA# 28460	
FINANCIAL PROJECT ID 420655-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075) STATE ROAD 85 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD Project Name: COLLIER COUNTY COUNTY, FL. Drawing Name: SOUND BARRIER WALL - BW-6	
SCALE: NOTED	DATE: 1/22/09
DRAWN BY: RBB	SHEET: 5

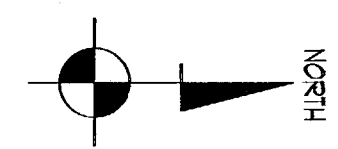
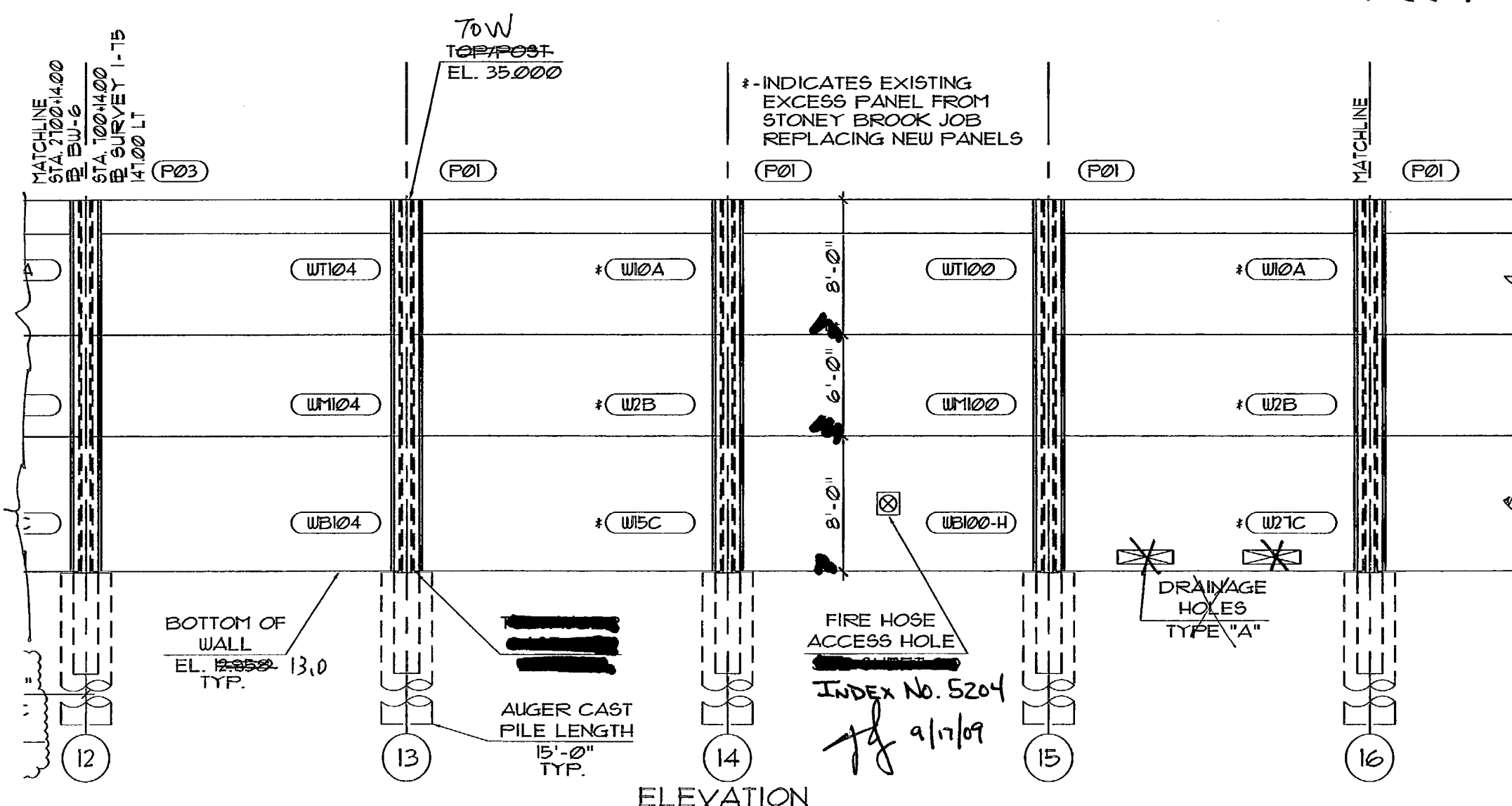
© 2009 Duratek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duratek. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to identify, defend and hold harmless Duratek from and against any and all claims, liability, and expense, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



**RELEASE FOR CONSTRUCTION**  
*[Signature]*  
 Signature  
 9/29/09  
 Date

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 9/17/09

CS-5070  
 PAGE 5-29



AS SUBMITTED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of details, dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

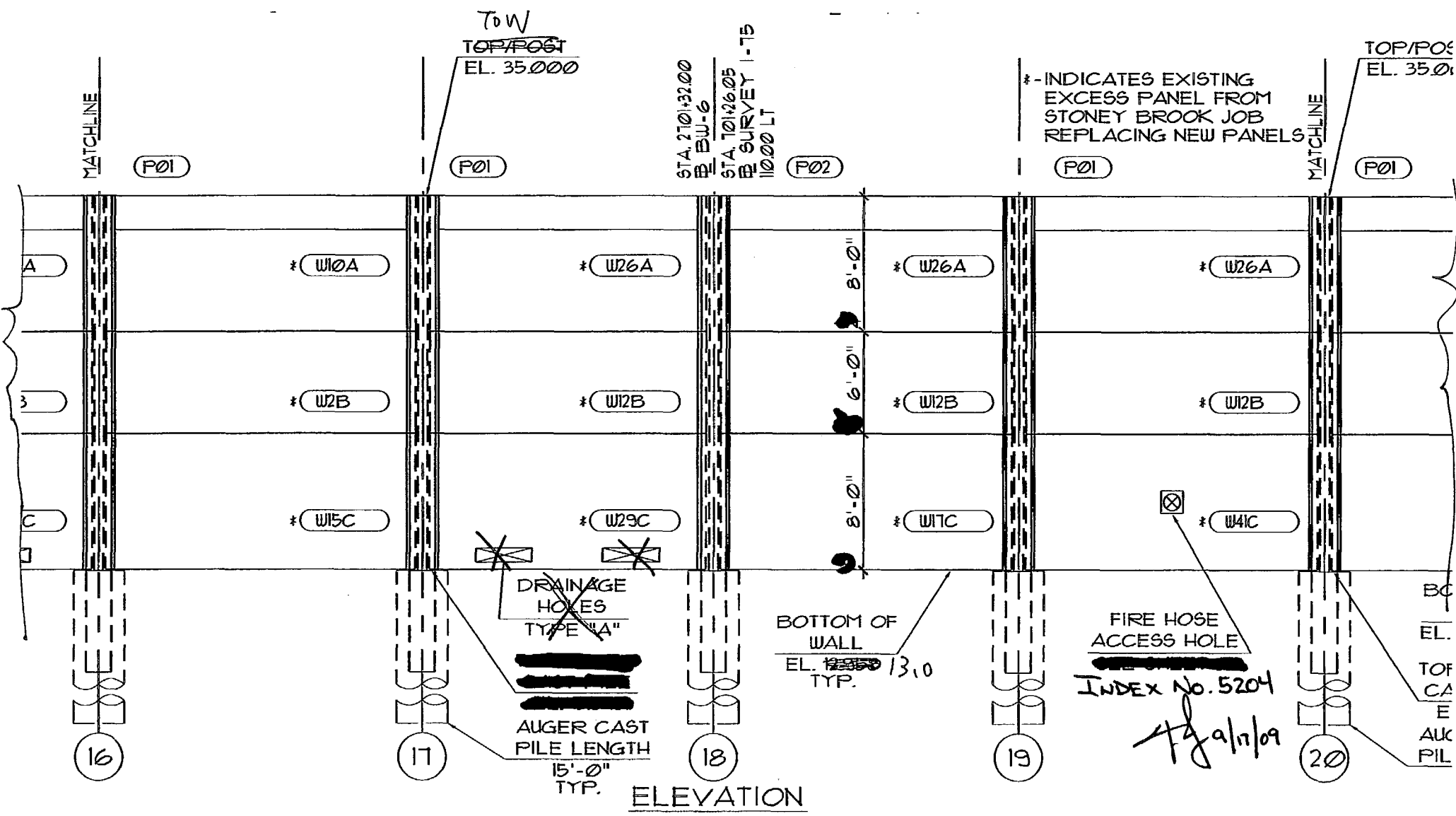
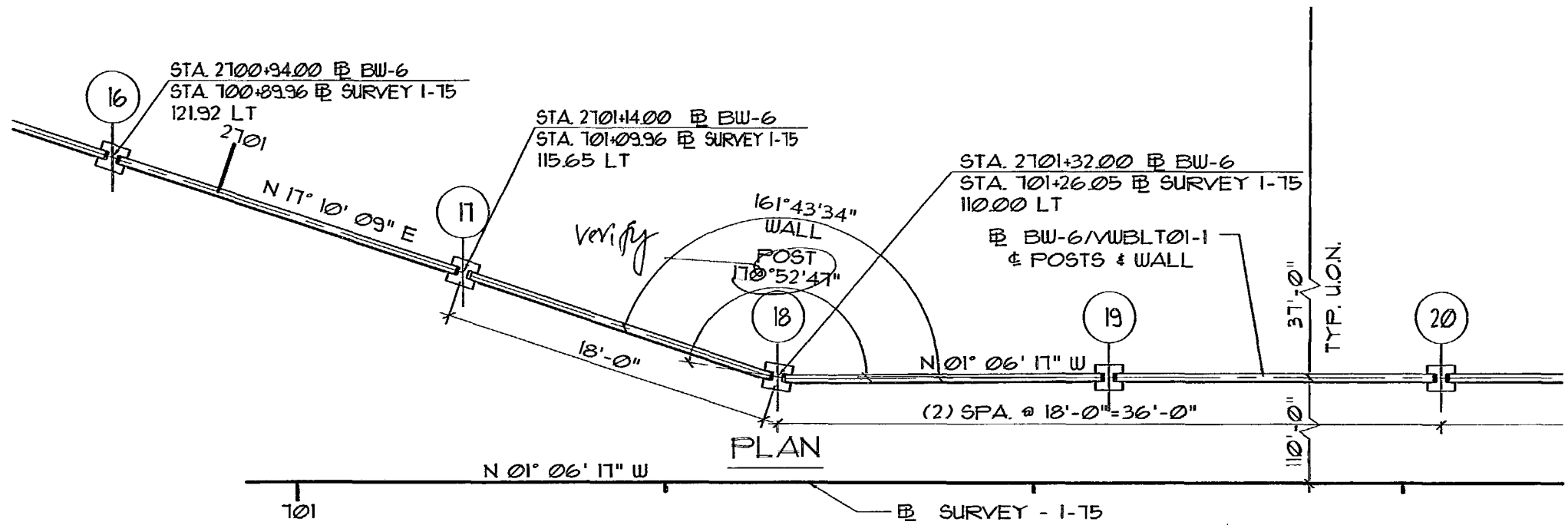
HDR ENGINEERING, INC.  
 By: *[Signature]* DT Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

FIRE HOSE ACCESS HOLE  
 INDEX No. 5204  
*[Signature]* 9/17/09

SEAL:  
*[Signature]*  
 MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #44041

REV.	DATE:
△	
 DURATEK PRECAST TECHNOLOGIES 2180 American Flyer Way Brooksville, FL 34604-6829 Phone: (352) 796-5944 • Fax: (352) 796-9933 CA # 28460	
Project Name:	FINANCIAL PROJECT ID 4206658-152-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)
Project Location:	STATE ROAD 98 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD
Drawing Name:	SOUND BARRIER WALL - BW-6
SCALE:	NOTED
DATE:	1/22/09
DRAWN BY:	RBB
SHEET:	6

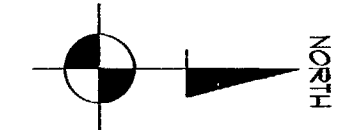
© 2009 Duratek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duratek. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to identify, defend and hold harmless Duratek, from and against any and all claims, liability, and expenses, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: DT Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



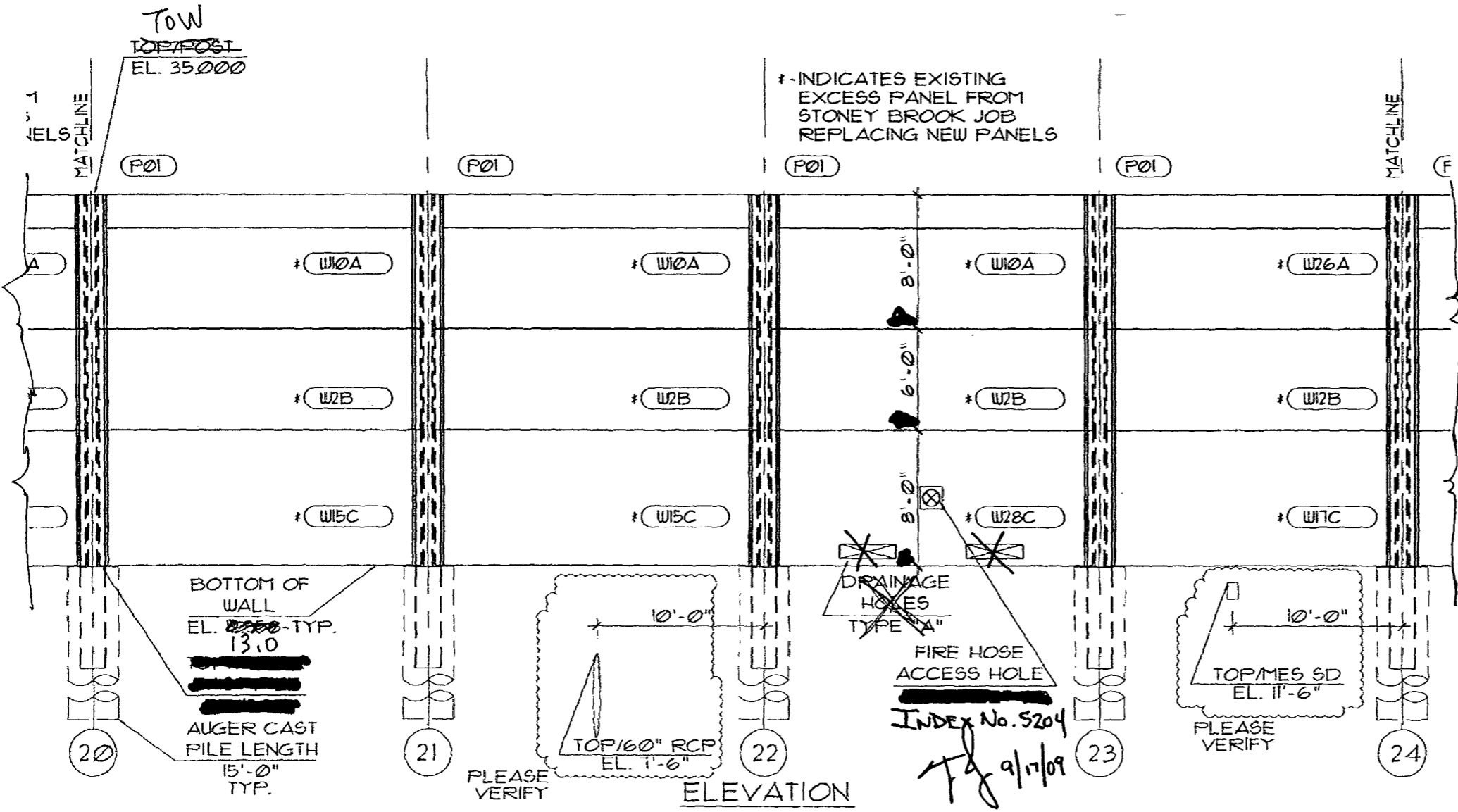
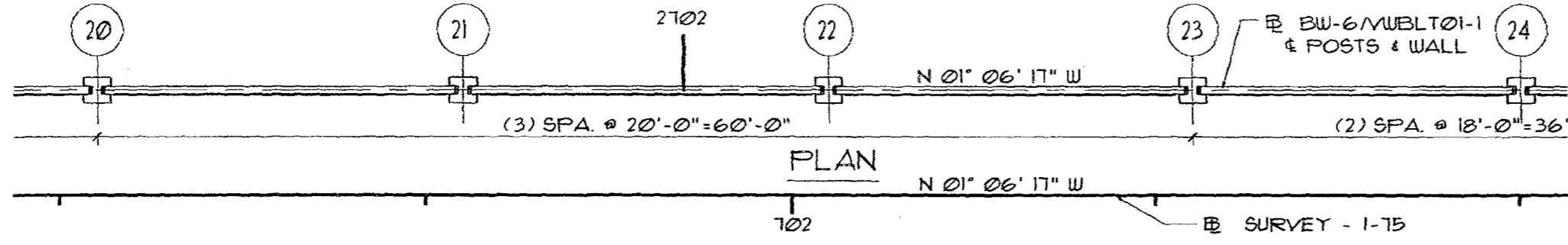
I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 9/17/09

CS-SD-70 PAGE 6-29  
 RELEASE FOR CONSTRUCTION  
[Signature] 9/29/09  
 Signature Date

SEAL:  
[Signature]  
 MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #44011

REV.	DATE:
△	
FINANCIAL PROJECT ID 420855-1-32-01 COLLIER COUNTY (08175) AND LEE COUNTY (12075) STATE ROAD 88 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD Project Name: Project Location: COLLIER COUNTY <del>COUSSEY</del> , FL. Drawing Name: SOUND BARRIER WALL - BW-6	
SCALE: NOTED	
DATE: 05/21/09	
DRAWN BY: RBB	
SHEET: 1	

© 2008 Outback Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Outback. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to indemnify, defend and hold harmless Outback from and against any and all claims, liability, and expenses, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



- A APPROVED AS SUBMITTED
- B APPROVED AS NOTED
- C REVISE AND RESUBMIT
- D REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

NOR ENGINEERING, INC.  
 By: *DT* Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

- I-75 DBF ACCI/API, a Joint Venture
- APPROVED
  - APPROVED AS NOTED
  - RETURNED FOR CORRECTION
  - AMEND-SEE CHANGES BELOW
  - REJECTED
- ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.
- BY: *[Signature]* DATE: 9/17/09

CS-SD TO PAGE 7-29

RELEASE FOR CONSTRUCTION  
*[Signature]* 9/29/09  
 Signature Date

SEAL: *[Signature]*

MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #44041

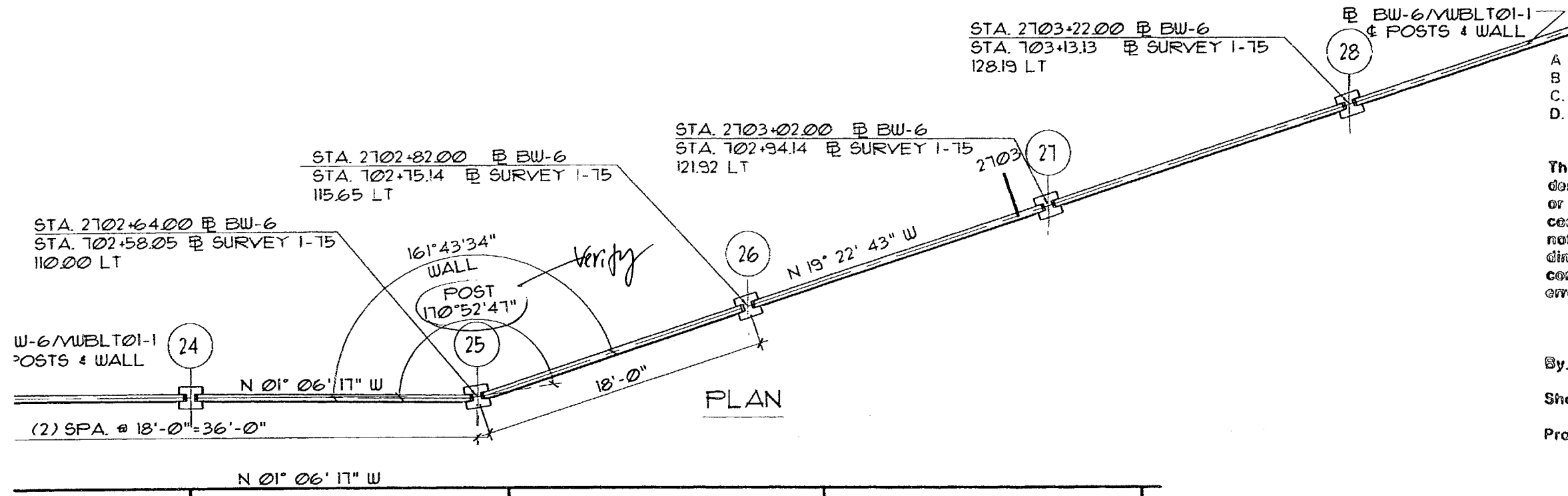
REV.	DATE:
1	
2	
3	
4	

FINANCIAL PROJECT ID 420655-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)  
 STATE ROAD 98 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD  
 Project Name: COLLIER COUNTY SOUND BARRIER WALL - BW-6  
 Project Location: COLLIER COUNTY, FL.  
 Drawing Name: SOUND BARRIER WALL - BW-6

SCALE: NOTED  
 DATE: 1/22/09  
 DRAWN BY: RBB  
 SHEET: 8

**OUTBACK**  
 PRECAST TECHNOLOGIES  
 2180 American Flyer Way  
 Brooksville, FL 34604-6829  
 Phone: (352) 796-5944 Fax: (352) 796-5933  
 FAX 234600

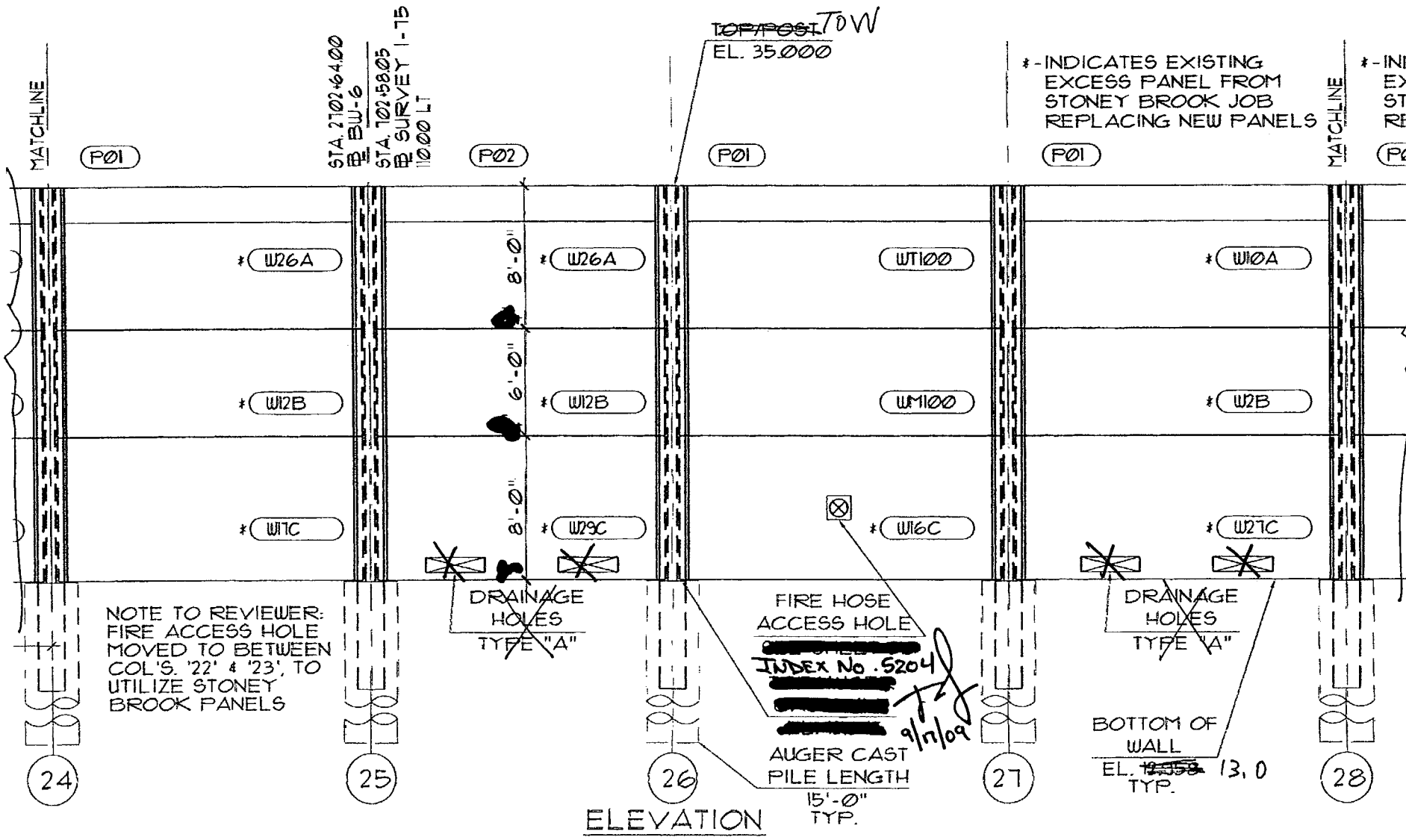
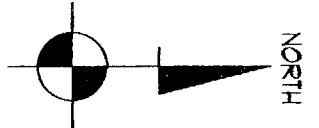
© 2008 Duretek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duretek. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to indemnify, defend and hold harmless Duretek from and against any and all claims, liability, and expense, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: DT Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



I-75 DBF ACCI/API, a Joint Venture  
 APPROVED       AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED       REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 9/17/09

CS-SD 70 PAGE 8-29

RELEASE FOR CONSTRUCTION  
[Signature]      9/29/09  
 Signature      Date

SEAL: [Signature]  
 MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #44041

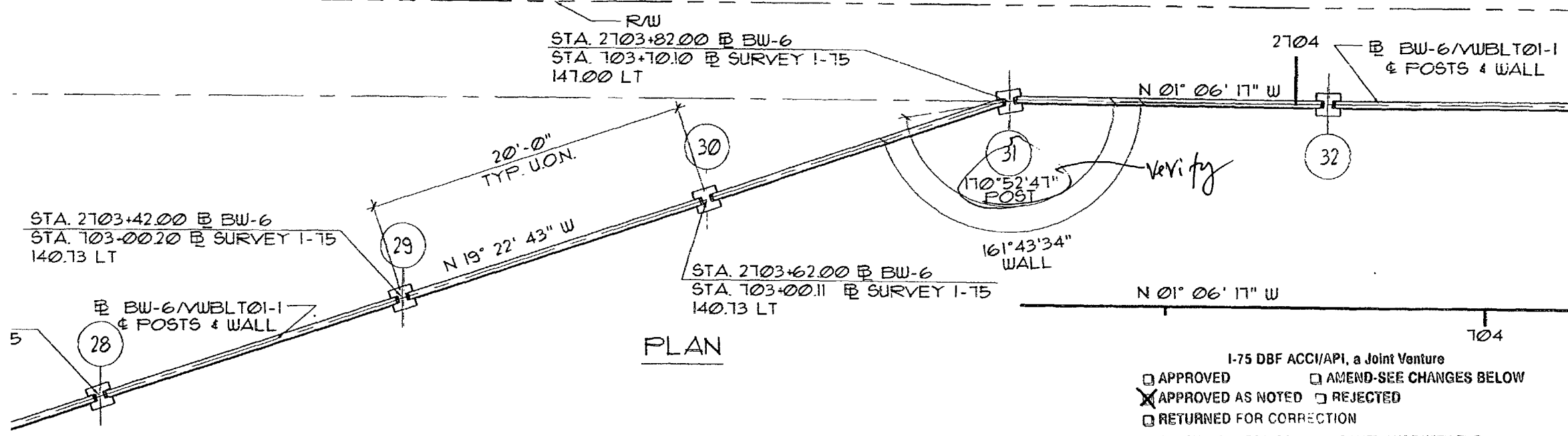
REV.	DATE:

PRECAST TECHNOLOGIES  
 2180 American Flyer Way  
 Brooksville, FL 34604-6870  
 Phone: (352) 796-9944 Fax: (352) 796-9933  
 C.A.P. 28460

FINANCIAL PROJECT ID 420665-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)  
 STATE ROAD 83 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD  
 Project Name: COLLIER COUNTY ~~SOND~~ SOND, FL.  
 Drawing Name: SOUND BARRIER WALL - BW-6

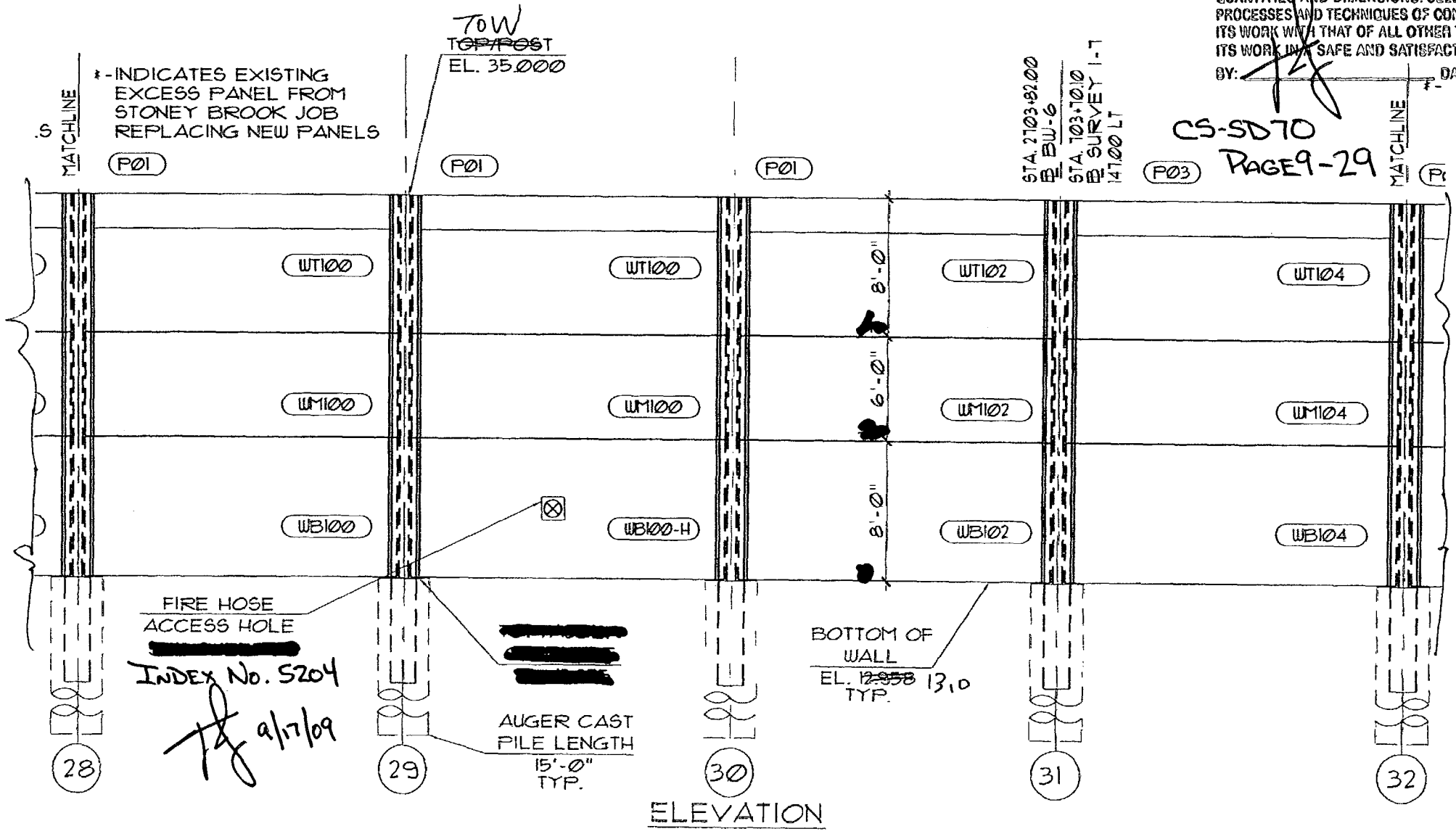
SCALE: NOTED  
 DATE: 1/21/09  
 DRAWN BY: REB  
 SHEET: 9

© 2009 Durak Process Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Durak. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to indemnify, defend and hold harmless Durak from and against any and all claims, liability, and expense, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



PLAN

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
BY: *[Signature]* DATE: 9/17/09



ELEVATION

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count of curve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

MOR ENGINEERING, INC.  
By: *[Signature]* Date: 9/17/09  
Step Drawing Reference No. \_\_\_\_\_  
Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
*[Signature]* Date: 9/18/09

SEAL:  
*[Signature]*

MANUEL R. LINARES, III, P.E.  
FLORIDA REG. #44041

REV.	DATE:

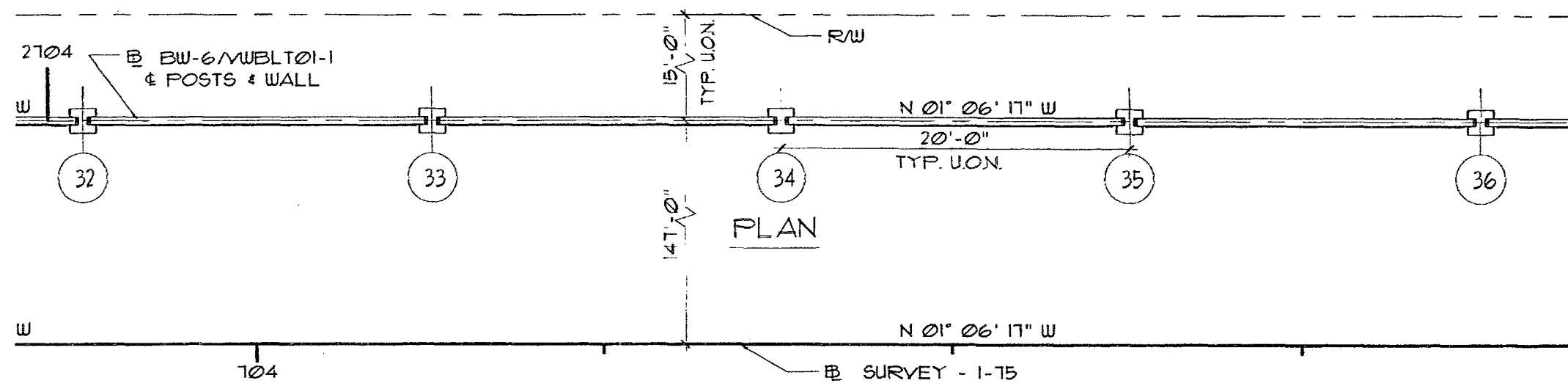
**DURAK**  
PRECAST TECHNOLOGIES  
2180 American Flyer Way  
Brooksville, FL 34604-6820  
Phone: (352) 796-5944 Fax: (352) 796-5933  
CAN # 28460

FINANCIAL PROJECT ID 420655-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)  
STATE ROAD 83 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD  
Project Name: COLLIER COUNTY SOUND, FL.  
Drawing Name: SOUND BARRIER WALL - BW-6

SCALE: NOTED
DATE: 1/22/09
DRAWN BY: RBB
SHEET: 10



© 2009 Duratek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duratek. Any such unauthorized use or reproduction of or modification of this drawing is done at the user's own risk and the user agrees to identify, defend and hold harmless Duratek from and against any and all claims, liability, and expense, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



APPROVED AS SUBMITTED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 REJECTED

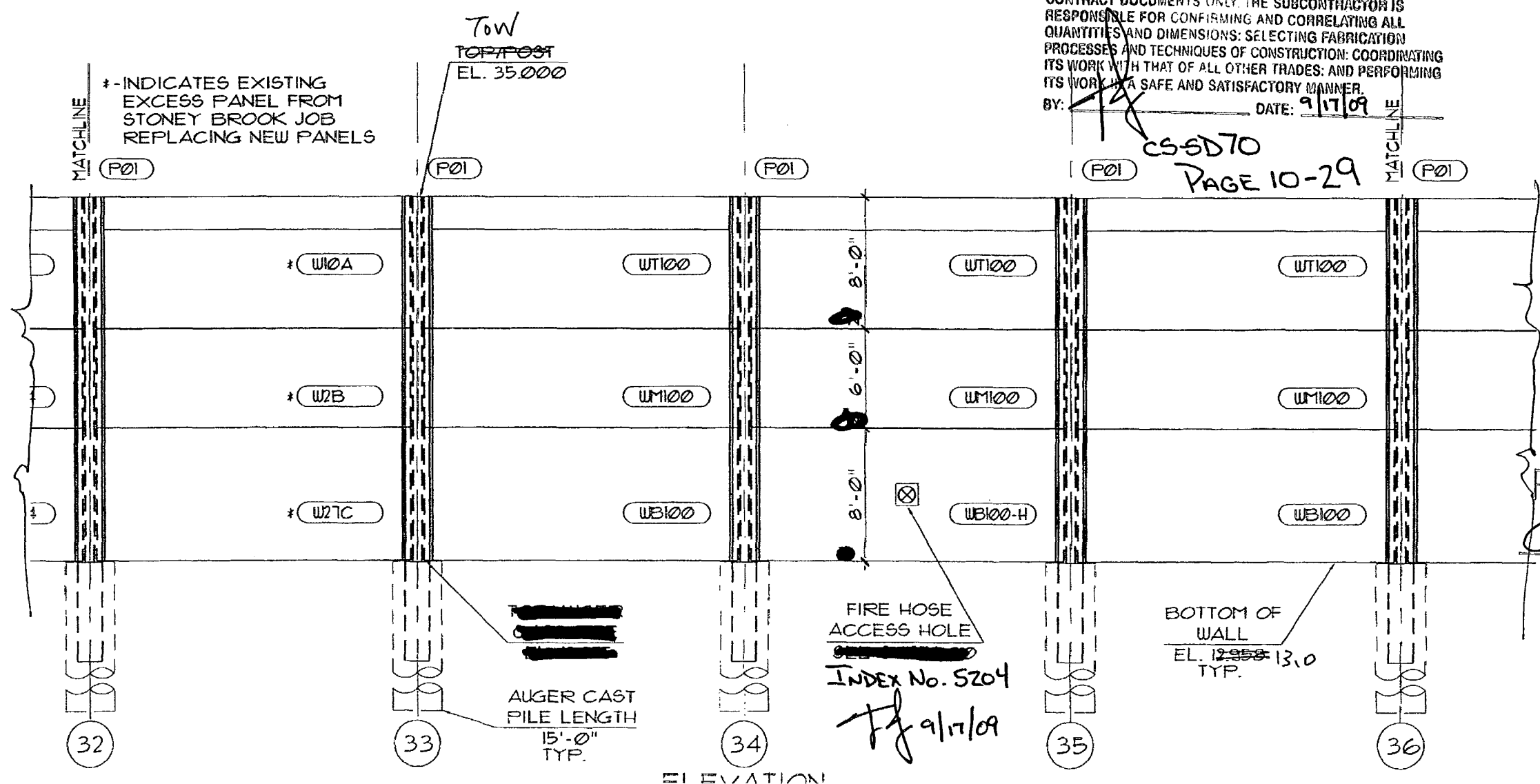
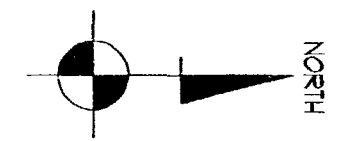
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By DT Date 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED       AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED       REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 9/17/09



RELEASE FOR CONSTRUCTION  
 Signature: [Signature] Date: 9/29/09

SEAL:  
[Signature]  
 MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #14041

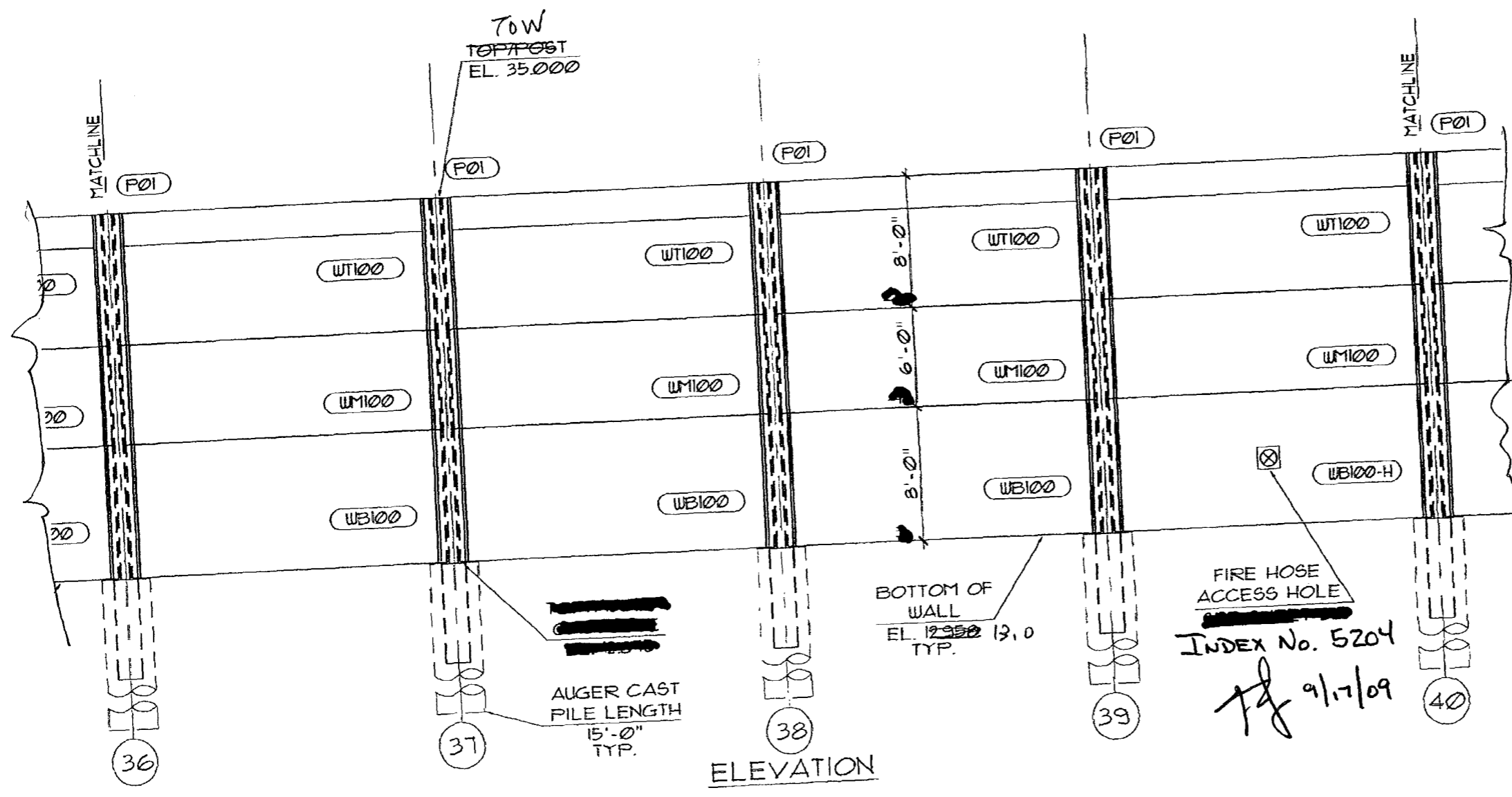
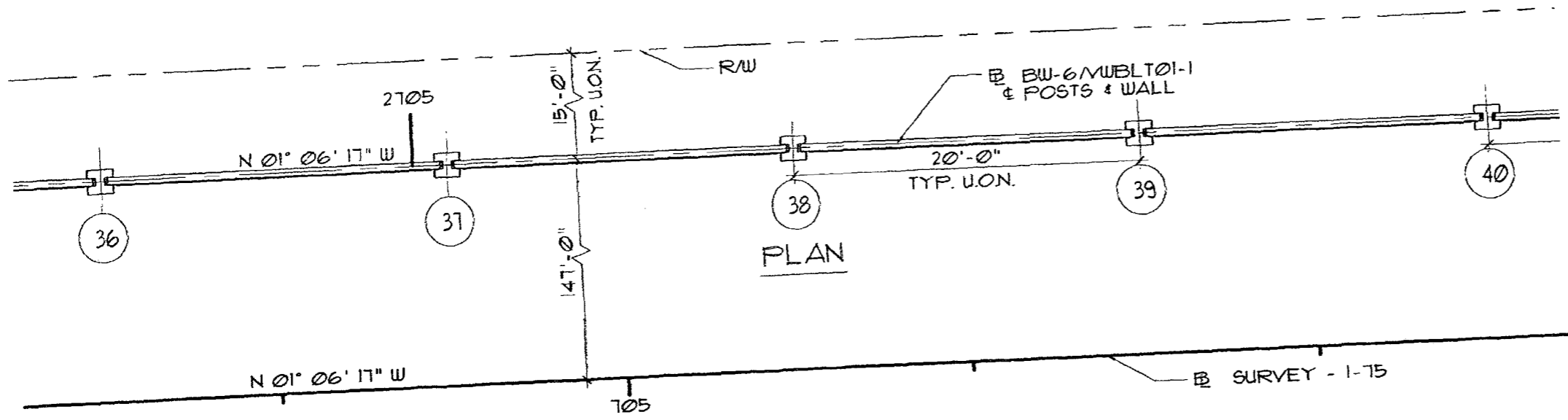
REV.	DATE

FINANCIAL PROJECT ID 420655-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)  
 STATE ROAD 88-1-75-VILLAGE WALK-NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD  
 Project Name: COLLIER COUNTY COUNTY, FL.  
 Project Location: COLLIER COUNTY COUNTY, FL.  
 Drawing Name: SOUND BARRIER WALL - BW-6

SCALE: NOTED  
 DATE: 1/22/03  
 DRAWN BY: RBB  
 SHEET: 11

**DURATEK**  
 PRECAST TECHNOLOGIES  
 2180 American Flyer Way  
 Brooksville, FL 34604-6829  
 Phone: (352) 796-5944 • Fax: (352) 796-5933  
 CALF 24660

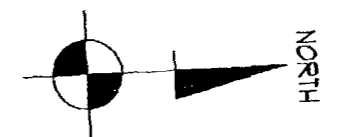
© 2009 Duritek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duritek. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to indemnify, defend and hold harmless Duritek from and against any and all claims, liability, and expenses, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



REV.	DATE:
△	

AS SUBMITTED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 REJECTED  
 This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

MOR ENGINEERING, INC.  
 By DT Date 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



I-75 DBF ACC/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 9/17/09

CS-SD70  
 PAGE 11-29

RELEASE FOR CONSTRUCTION  
[Signature] 9/29/09  
 Signature Date

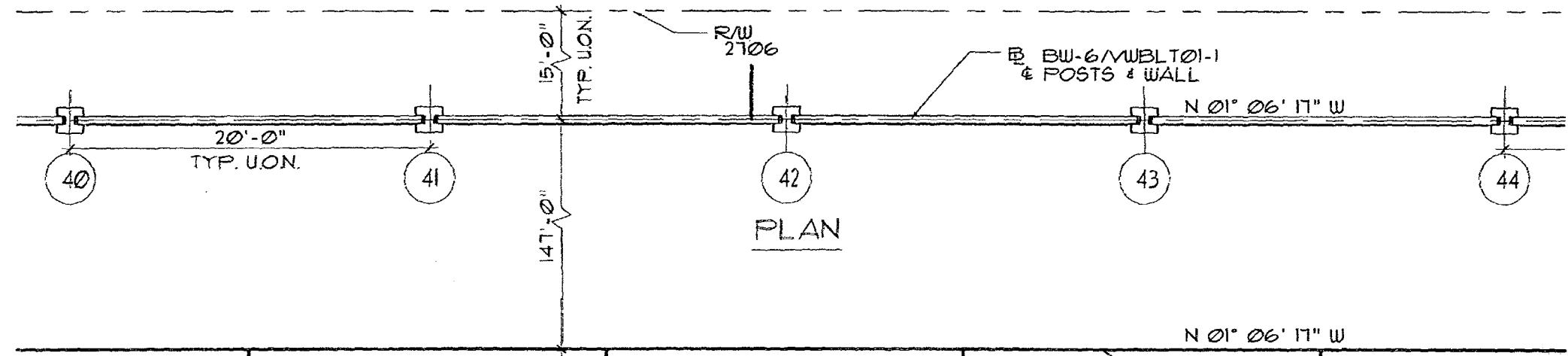
SEAL:  
[Signature]  
 MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #4011

**DURITEK PRECAST TECHNOLOGIES**  
 2180 American Flyers Way  
 Brooksville, FL 34604-0829  
 Phone: (832) 796-9844 • Fax: (832) 796-9933  
 C/A# 28490

FINANCIAL PROJECT ID 420855-1-2-21  
 COLLIER COUNTY, FL  
 STATE ROAD 88 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD  
 Project Name: COLLIER COUNTY  
 Project Location: COLLIER COUNTY  
 Drawing Name: SOUND BARRIER WALL - BW-6

SCALE: NOTED  
 DATE: 1/22/09  
 DRAWN BY: RBB  
 SHEET:  
 12

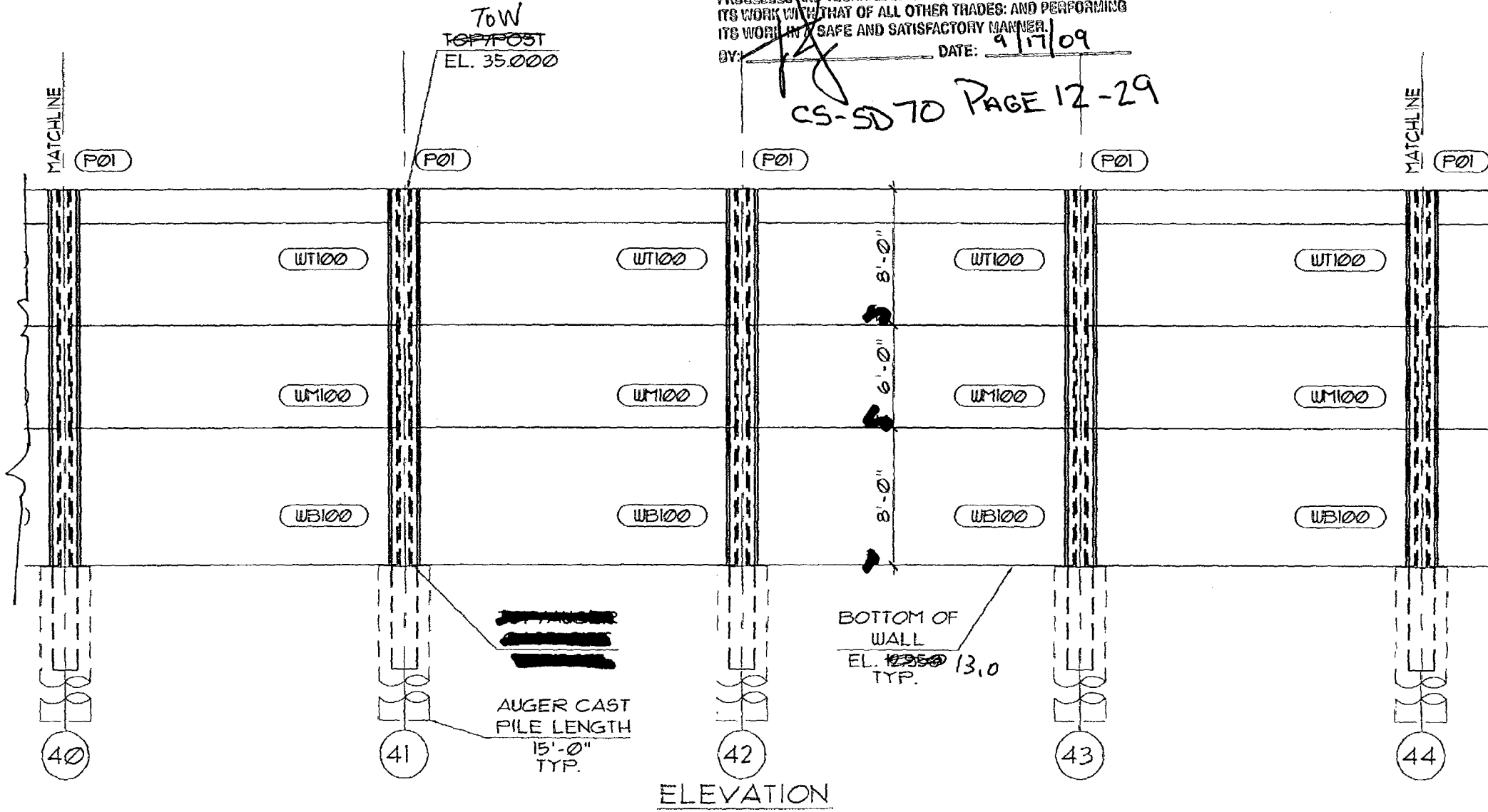
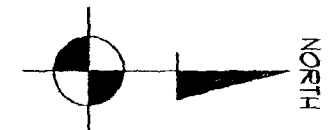
© 2008 Duratek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duratek. Any such unauthorized use of reproduction of or modification of this drawing is done at the user's own risk and the user agrees to identify, defend and hold harmless Duratek from and against any and all claims, liability, and expenses, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction, or modification.



I-75 DBF ACC/ABI, a Joint Venture  
 APPROVED       AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED       REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 9/17/09



CS-5070 PAGE 12-29

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plan or specifications not clearly noted by contractor has not been reviewed. Review does not constitute a complete check of data, dimensions or count or serve to relieve contractor of contractual responsibility for error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: *[Signature]* Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
*[Signature]* 9/29/09  
 Signature Date

SEAL:  
*[Signature]*  
 MANUEL R. LINARES, III P.E.  
 FLORIDA REG. #44041

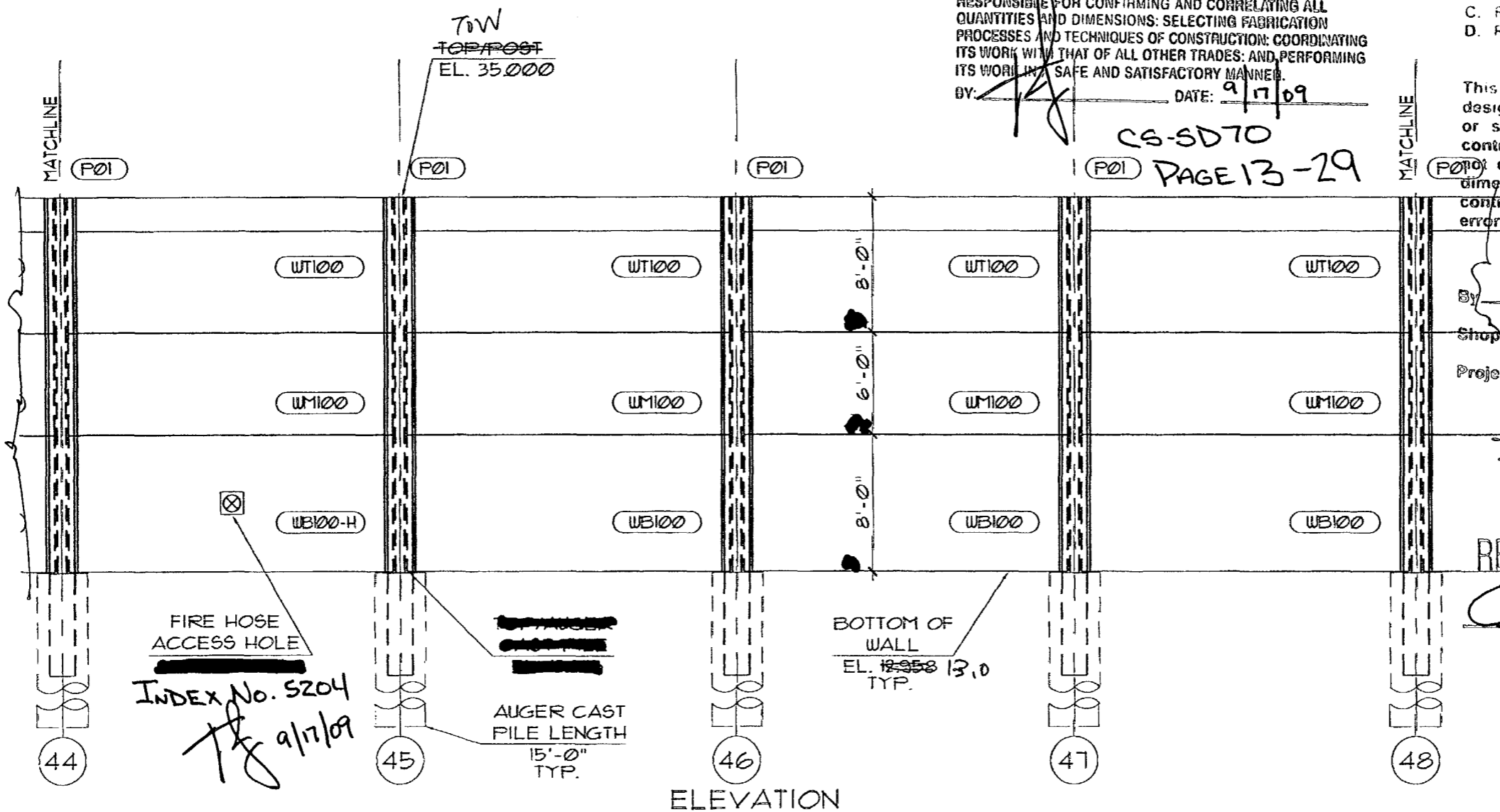
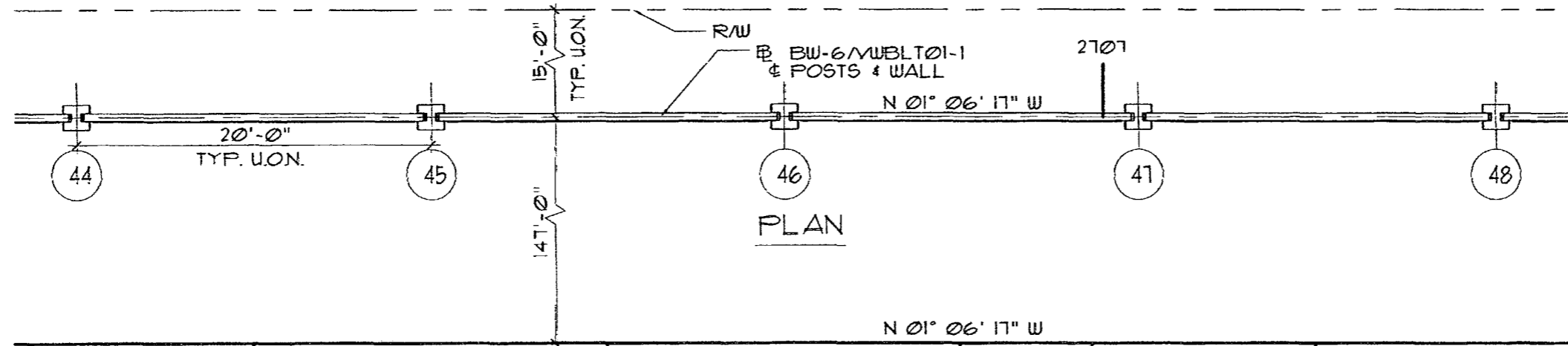
REV.	DATE:
△	

**DURATEK**  
 PRECAST TECHNOLOGIES  
 2180 American Pkwy - Wey  
 Brooksville, FL 34604-6820  
 Phone: (352) 756-5944 • Fax: (352) 756-5933  
 C.A.# 23460

FINANCIAL PROJECT ID: 005551  
 PROJECT NAME: STATE ROAD 88 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD  
 PROJECT LOCATION: COLLIER COUNTY, FL.  
 DRAWING NAME: SOUND BARRIER WALL - BW-6

SCALE: NOTED  
 DATE: 05/17/09  
 DRAIN BY: RBB  
 SHEET: 13

© 2000 Duralok Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duralok. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to identify, defend and hold harmless Duralok from and against any and all claims, liability, and expense, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



APPROVED       AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED       REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]*      DATE: 9/17/09

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: *DT*      Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
*[Signature]*      9/29/09  
 Signature      Date

SEAL:  
*[Signature]*

MANUEL R. LINARES, III P.E.  
 FLORIDA REG. #541041

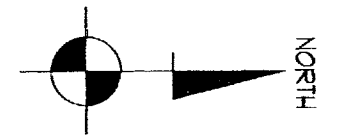
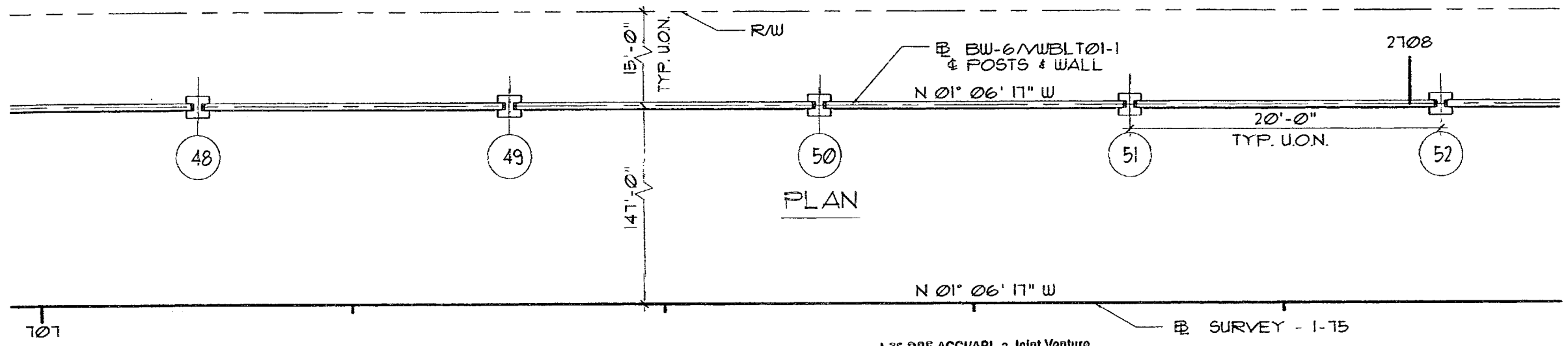
REV.	DATE:
△	

**DURALOK**  
 PRECAST TECHNOLOGIES  
 2180 American Flyer Way  
 Brooksville, FL 34604-6829  
 Phone: (352) 796-5944 • Fax: (352) 796-5933  
 FAX 236600

FINANCIAL PROJECT ID 420855-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)  
 STATE ROAD 98 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD  
 Project Name: COLLIER COUNTY COUNTY, FL.  
 Project Location: COLLIER COUNTY COUNTY, FL.  
 Drawing Name: SOUND BARRIER WALL - BW-6

SCALE: NOTED  
 DATE: 1/22/09  
 DRAWN BY: RBB  
 SHEET:  
 14

© 2009 Durbak Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Durbak. Any such unauthorized use or reproduction of or modification of this drawing is done at the user's own risk and the user agrees to indemnify, defend and hold harmless Durbak from and against any and all claims, liability, and expense, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



I-75 DBF ACC/API, a Joint Venture

APPROVED       AMEND-SEE CHANGES BELOW

APPROVED AS NOTED       REJECTED

RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]*      DATE: 9/17/09

CS-SD 70 PAGE 14-29

APPROVED AS SUBMITTED

APPROVED AS NOTED

REVISE AND RESUBMIT

REJECTED

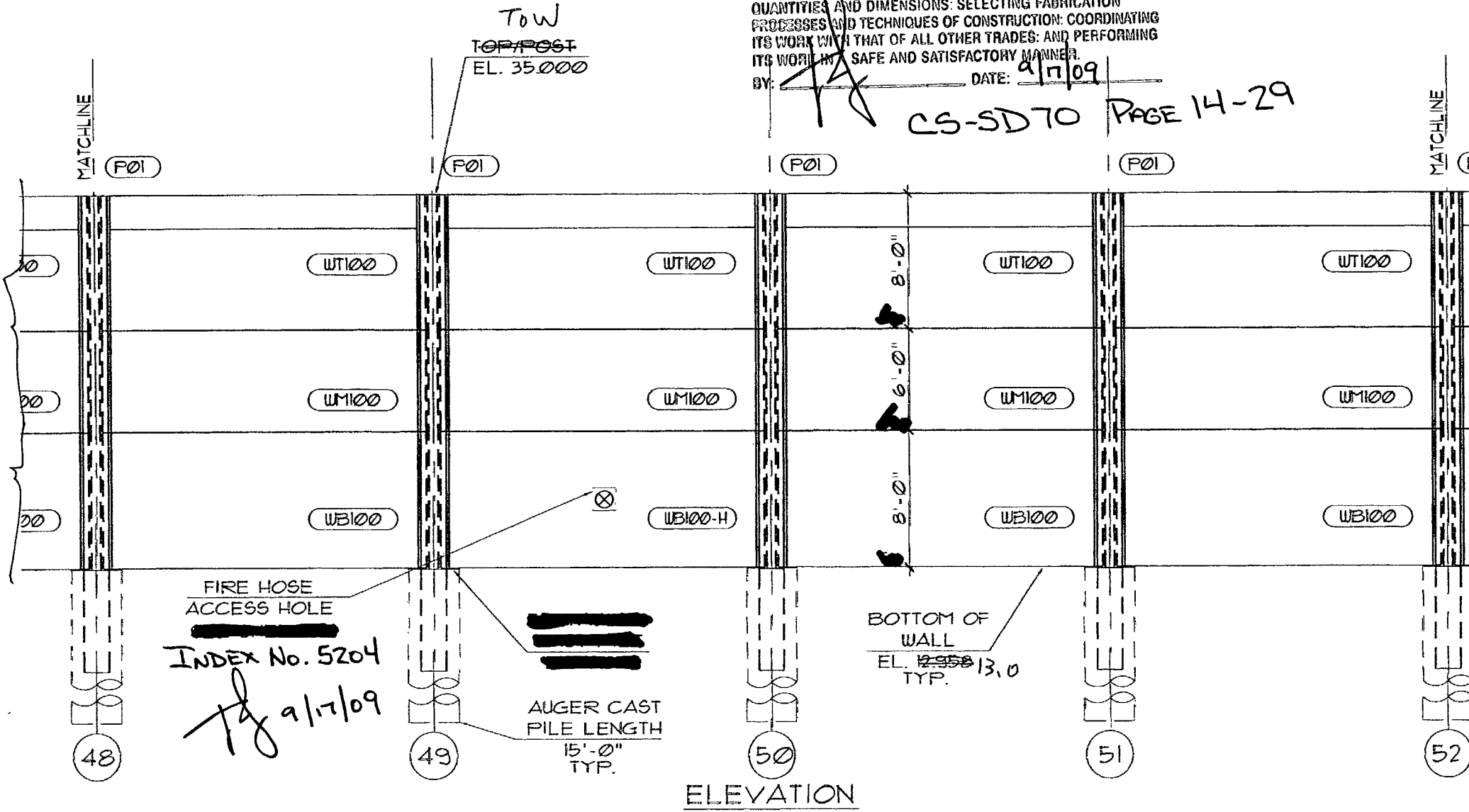
This review is for general conformance with design concept only. Any deviation from plan or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of details, dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By: *[Signature]*      Date: 9/17/09

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_



RELEASE FOR CONSTRUCTION

*[Signature]*      Date: 9/29/09

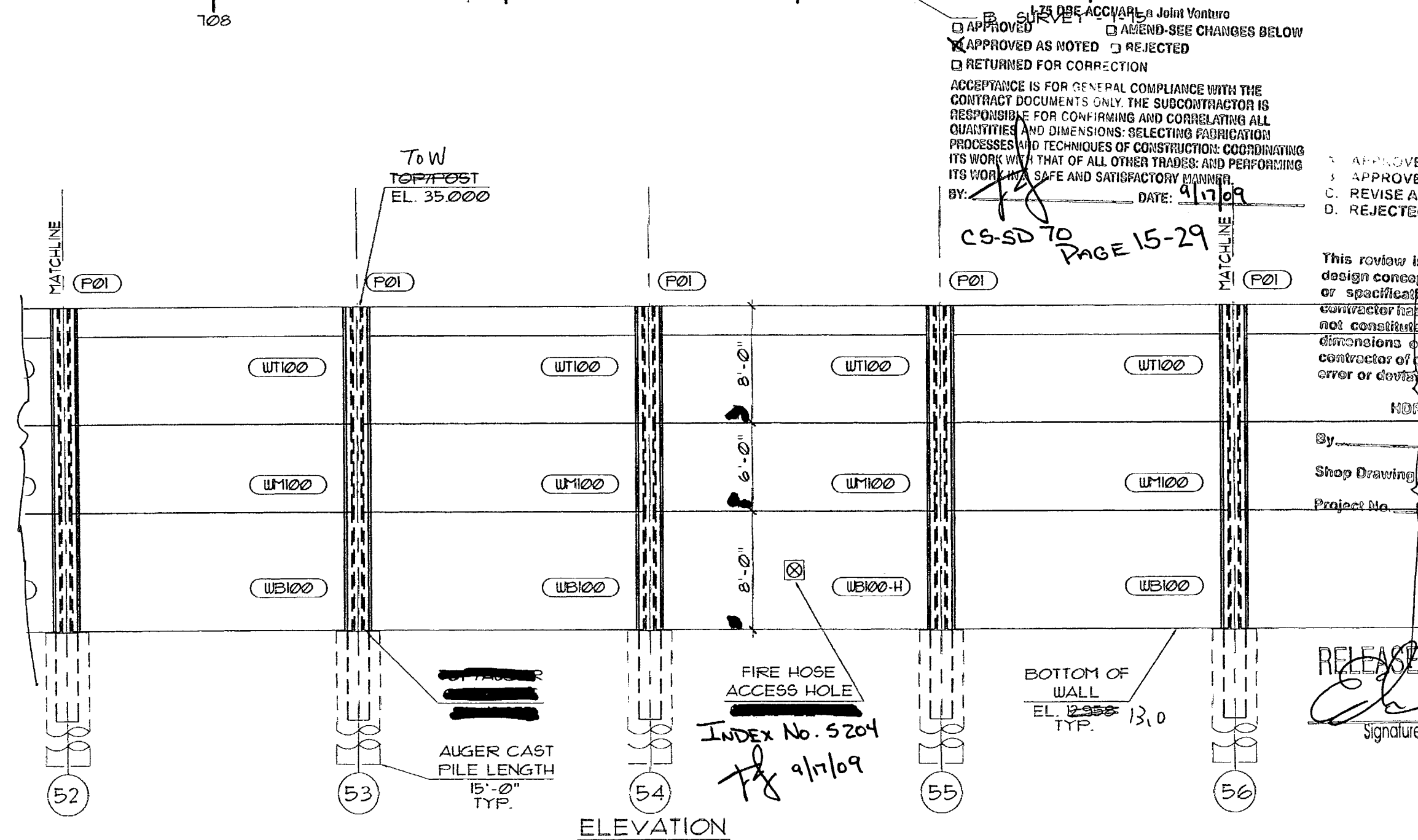
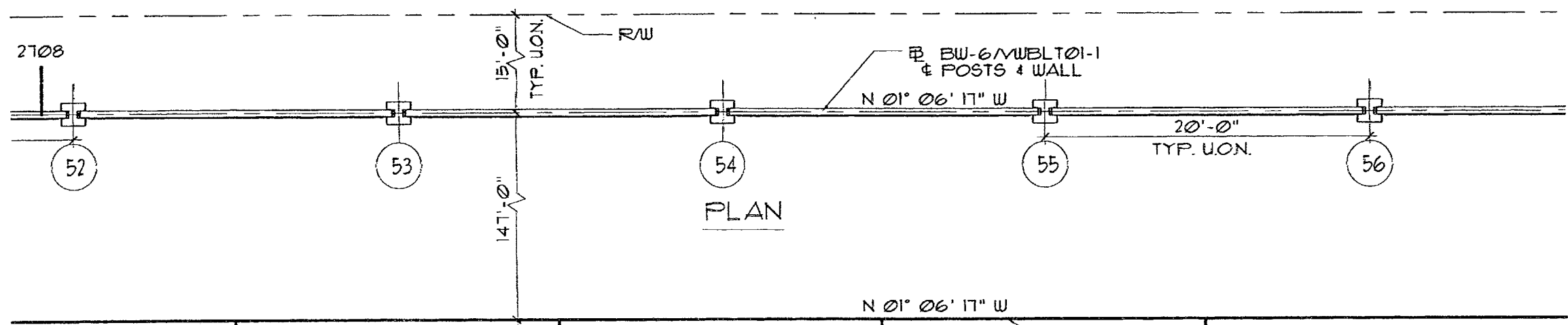
Signature      Date

SEAL: *[Signature]*

MANUEL R. LINARES, III, P.E.  
FLORIDA REG. #41041

REV.	DATE:
△	
<b>DURBAK</b> PRECAST TECHNOLOGIES 2180 American Flyer Way Brooksville, FL 34004-0832 Phone: (352) 796-5944 • Fax: (352) 796-5933 C/A# 23460	
FINANCIAL PROJECT ID 420655-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)	
STATE ROAD 93 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD	
Project Name:	COLLIER COUNTY SOUND BARRIER WALL
Project Location:	SOUND BARRIER WALL - BW-6
Drawing Name:	
SCALE:	NOTED
DATE:	1/27/09
DRAWN BY:	RBB
SHEET:	15

© 2009 Duretek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duretek. Any such unauthorized use or reproduction of or modification of this drawing is done at the user's own risk and the user agrees to indemnify, defend and hold harmless Duretek from and against any and all claims, liability, and expense, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



BY: [Signature] DATE: 9/17/09  
 APPROVED AS NOTED  
 APPROVED AS SUBMITTED  
 APPROVED AS NOTED  
 REVIS AND RESUBMIT  
 REJECTED

CS-SD 70 PAGE 15-29

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

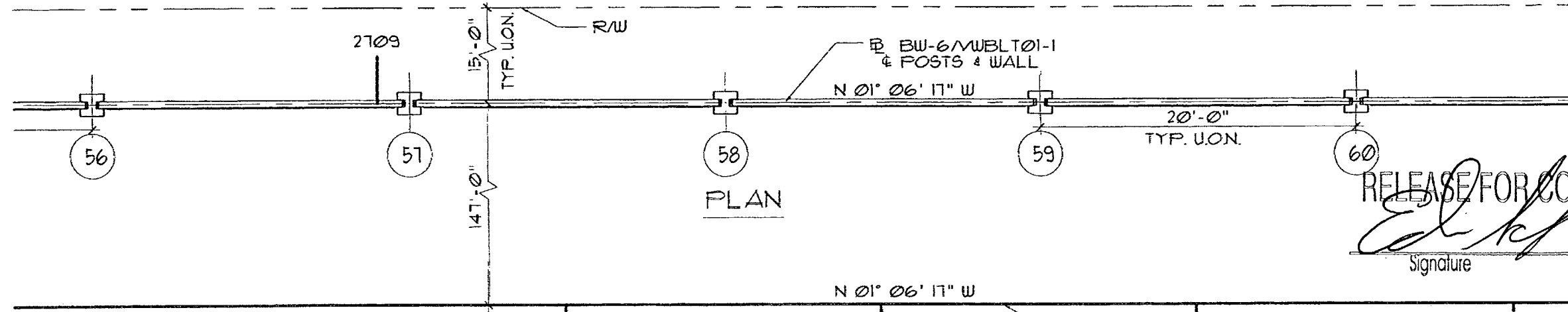
HDR ENGINEERING, INC.  
 By: DT Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
 Signature: [Signature] Date: 9/29/09

SEAL:  
 MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #44041

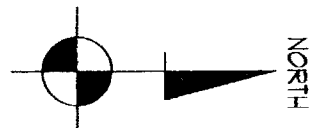
REV.	DATE:
△	
<b>DURETEK</b> PRECAST TECHNOLOGIES 2180 American Flyer Way Broncksville, FL 34604-6822 Phone: (352) 796-5944 • Fax: (352) 796-5935 C/A # 28460	
Project Name:	FINANCIAL PROJECT ID 420655-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)
Project Location:	STATE ROAD 93 - 1-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD
Drawing Name:	SOUND BARRIER WALL - BW-6
SCALE:	NOTED
DATE:	1/22/09
DRAWN BY:	REB
SHEET:	16

© 2009 Duretek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duretek. Any such unauthorized use or reproduction of this drawing is done at the user's own risk and the user agrees to identify, defend and hold harmless Duretek from and against any and all claims, liability, and expenses, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



PLAN

RELEASE FOR CONSTRUCTION  
*[Signature]*  
 Signature  
 9/29/09  
 Date



I-75 DBE ACC/APP Joint Venture  
 APPROVED SURVEY  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 AMEND-SEE CHANGES BELOW  
 REJECTED

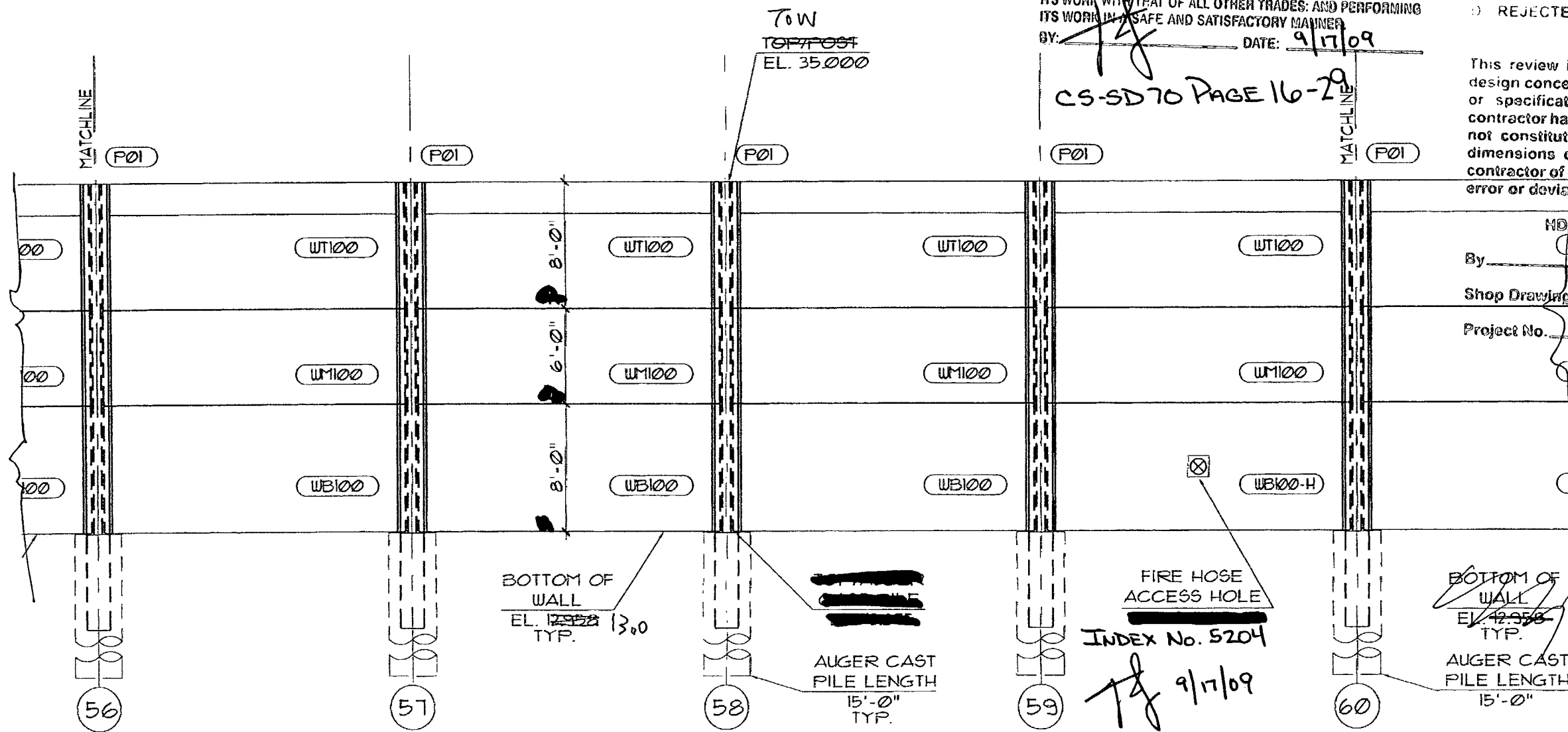
ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 9/17/09

AS SUBMITTED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

NDR ENGINEERING, INC.  
 By: *[Signature]* DT Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



ELEVATION

CS-SD 70 PAGE 16-29

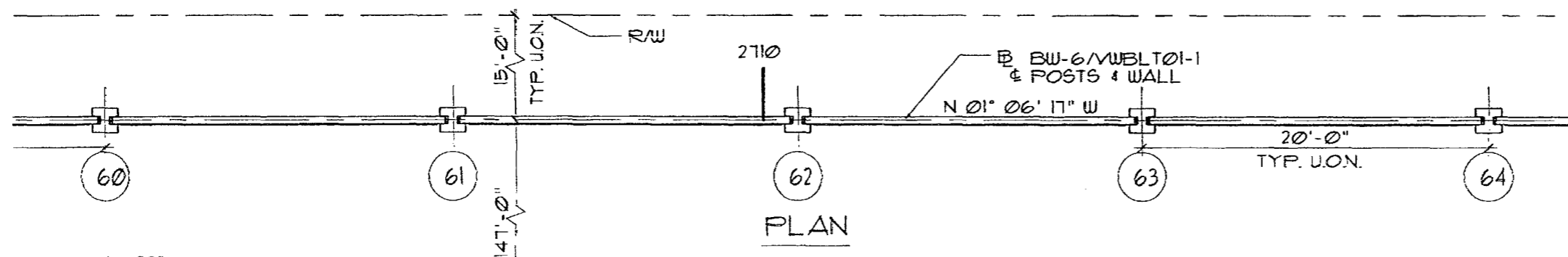
FIRE HOSE ACCESS HOLE  
 INDEX No. 5204  
*[Signature]* 9/17/09

SEAL:  
*[Signature]*

MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #41041

REV.	DATE:
△	
 2180 American Flyers Way Brooksville, FL 34604-0629 Phone: (352) 796-9944 - Fax: (352) 796-9933 C.A.P. 28460	
Project Name:	FINANCIAL PROJECT ID 420665-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)
Project Location:	STATE ROAD 89 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD
Drawing Name:	SOUND BARRIER WALL - BW-6
SCALE:	NOTED
DATE:	1/22/09
DRAWN BY:	RBB
SHEET:	17

© 2009 Durotek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Durotek. Any such unauthorized use or reproduction of this drawing is done at the user's own risk and the user agrees to identify, defend and hold harmless Durotek from and against any and all claims, liability, and expenses, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.

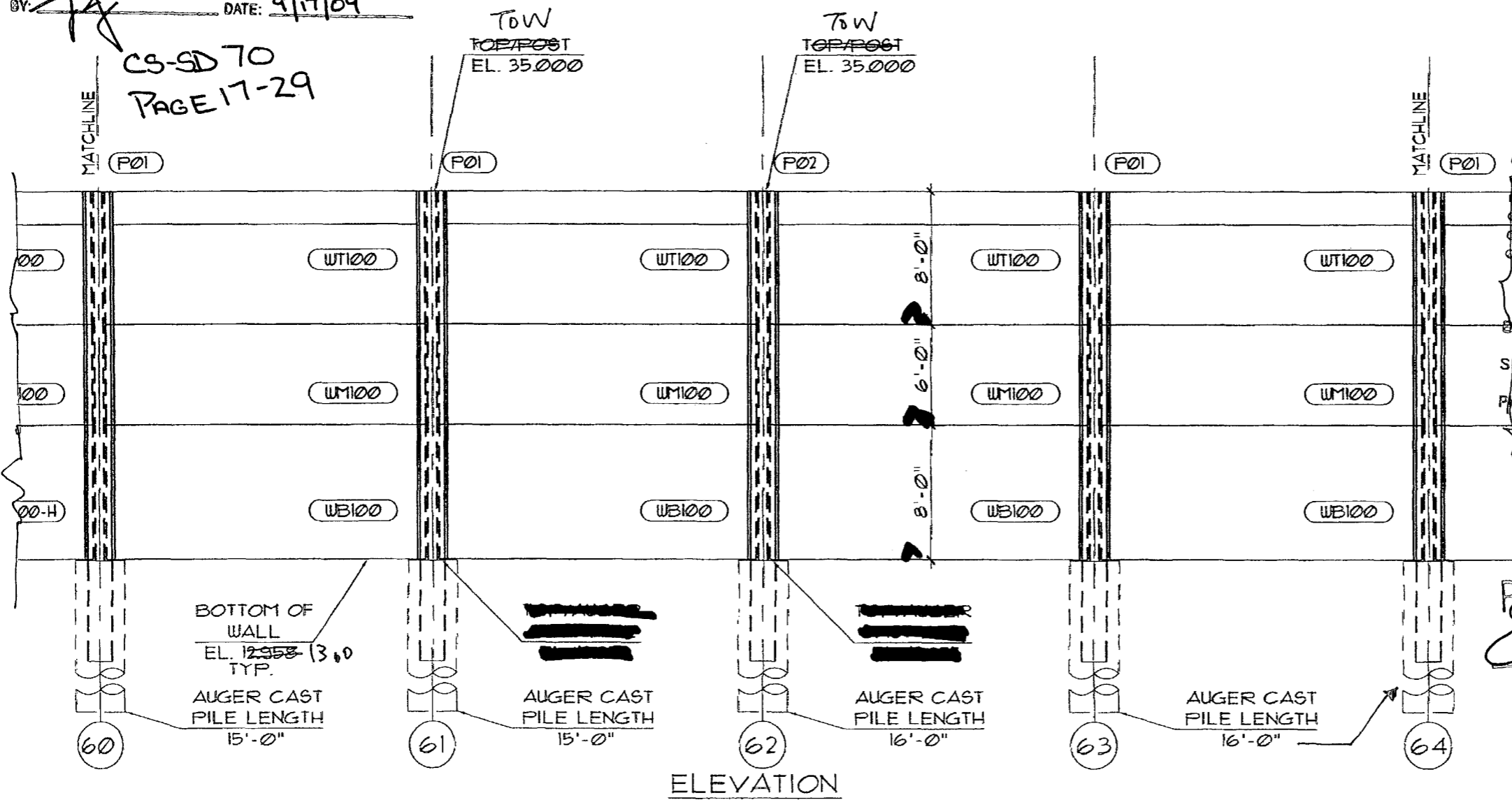
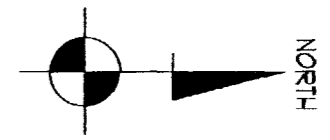


I-75 DBF ACCI/API, a Joint Venture  
 APPROVED      AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED      REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]*     DATE: 9/17/09

N 01° 06' 17" W  
 710     B SURVEY - I-75



AS SUBMITTED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: *DT*     Date: 9/12/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
*[Signature]*     9/29/09  
 Signature     Date

SEAL:  
*[Signature]*  
 MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #14041

REV.	DATE

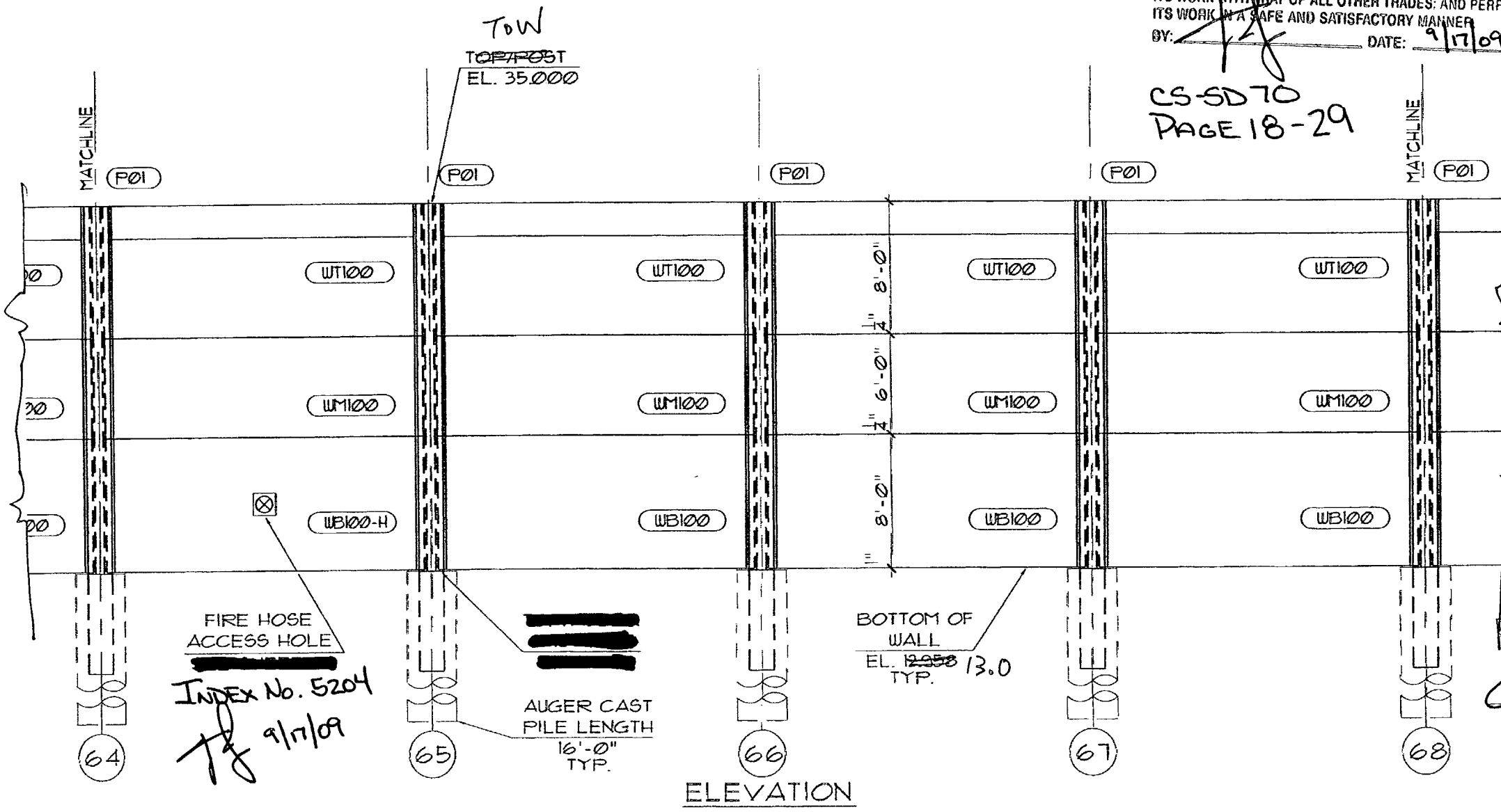
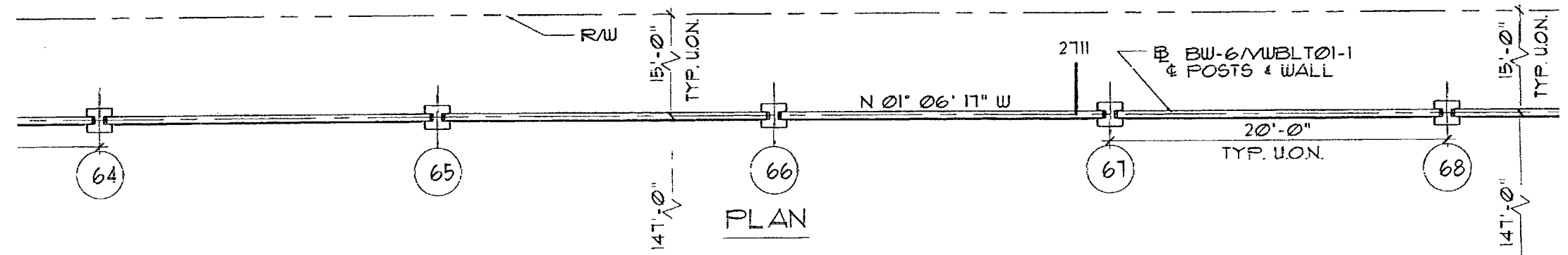
DURETEK PRECAST TECHNOLOGIES  
 2180 American Flyer Way  
 Brooksville, FL 34604-6829  
 Phone: (352) 796-5944 • Fax: (352) 796-5933  
 C.A.# 28400

FINANCIAL PROJECT ID 420855-152-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)  
 STATE ROAD 88 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD  
 Project Name:  
 Project Location: COLLIER COUNTY COUNTY, FL.  
 Drawing Name: SOUND BARRIER WALL - BW-6

SCALE: NOTED  
 DATE: 1/21/09  
 DRAWN BY: RBB  
 SHEET:  
 18

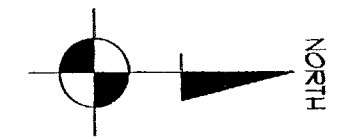


© 2009 Duralec Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duralec. Any such unauthorized use or reproduction of or modification to this drawing is void of the user's own risk and the user agrees to identify, defend and hold harmless Duralec from and against any and all claims, liability, and expenses, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS. SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 9/17/09

CS-SD 70  
 PAGE 18-29



APPROVED AS SUBMITTED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

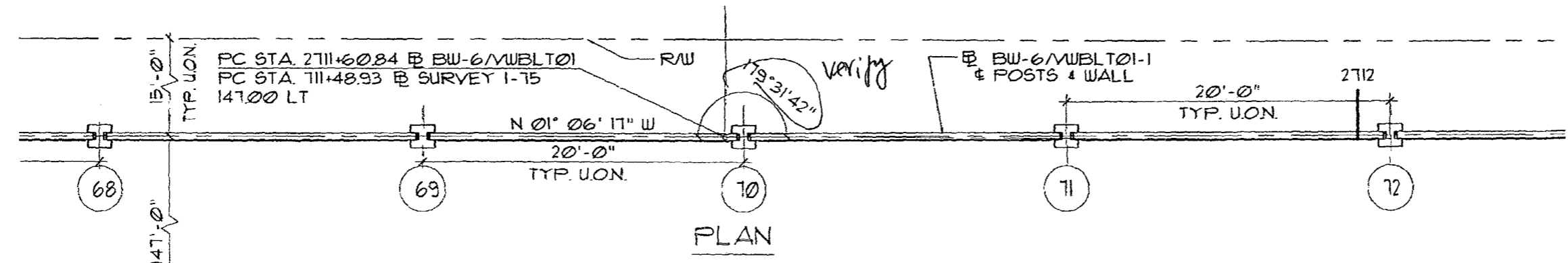
HDR ENGINEERING, INC.  
 By: *[Signature]* Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
*[Signature]* 9/29/09  
 Signature Date

SEAL: *[Signature]*  
 MANUEL R. LINARES, III P.E.  
 FLORIDA REG. #44041

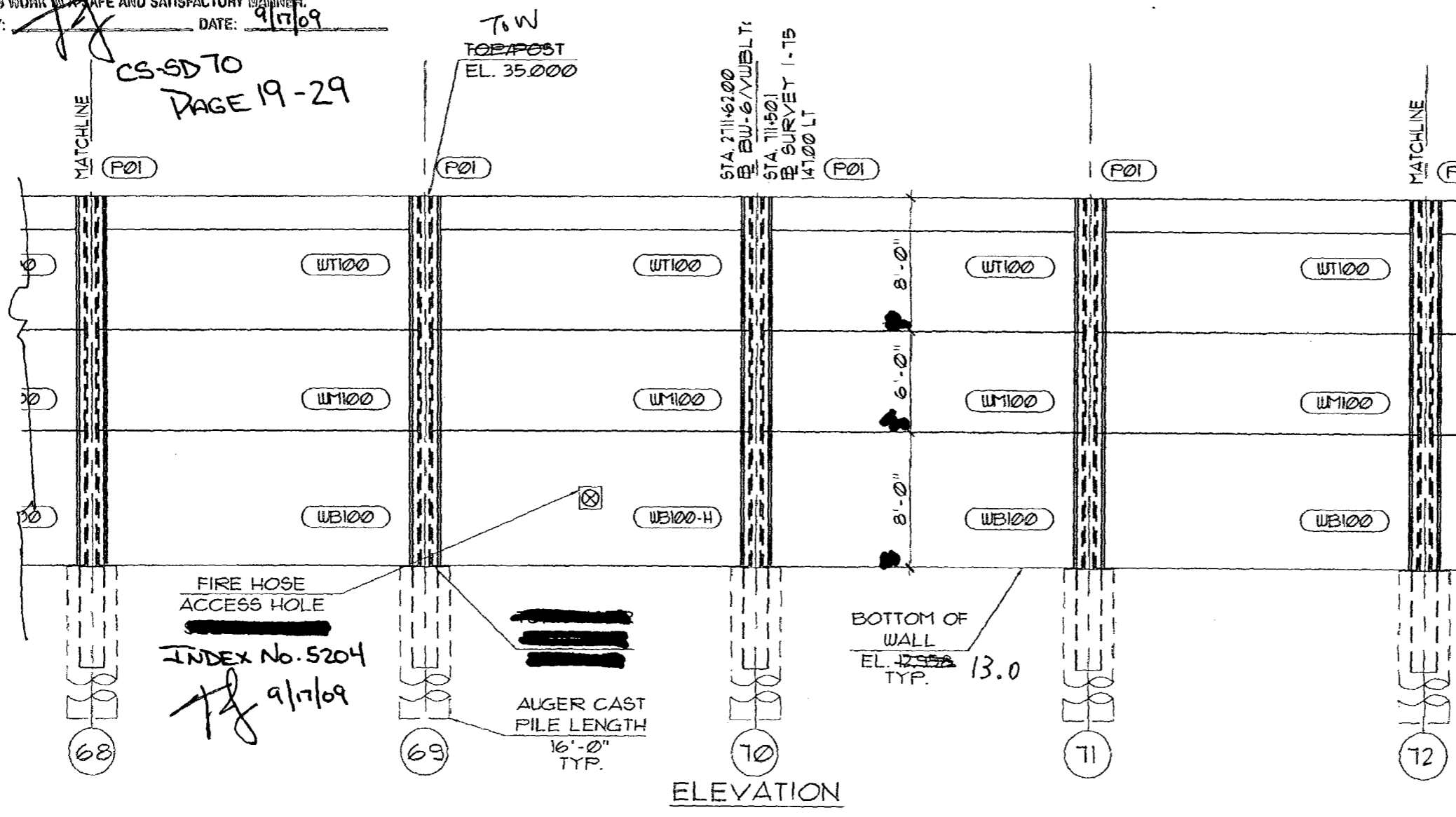
REV.	DATE:
△	
 PRECAST TECHNOLOGIES 2180 American Flyer Way Brooksville, FL 34604-0829 Phone: (352) 796-5944 - Fax: (352) 796-5933 C.A.# 28460	
Project Name:	FINANCIAL PROJECT ID 420655-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12076)
Project Location:	STATE ROAD 83 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD
Drawing Name:	SOUND BARRIER WALL - BW-6
SCALE:	NOTED
DATE:	1/2/09
DRAWN BY:	RBB
SHEET:	19

© 2000 Duratek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duratek. Any such unauthorized use or reproduction of or modification of or reproduction of this drawing is done at the user's own risk and the user agrees to liability, defend and hold harmless Duratek from and against any and all claims, liability, and expenses, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



I-75 DBF ACC/ABI, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 9/17/09



FIRE HOSE ACCESS HOLE  
 INDEX No. 5204  
*[Signature]* 9/17/09

AUGER CAST PILE LENGTH  
 16'-0" TYP.

BOTTOM OF WALL  
 EL. 13.0 TYP.

THIS REVIEW IS FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. ANY DEVIATION FROM PLANS OR SPECIFICATIONS, NOT CLEARLY NOTED BY THE CONTRACTOR, HAS NOT BEEN REVIEWED. REVIEW SHALL NOT CONSTITUTE A COMPLETE CHECK OF DETAIL DIMENSIONS OR COUNT OR SERVE TO RELIEVE THE CONTRACTOR OF CONTRACTUAL RESPONSIBILITY FOR ANY ERROR OR DEVIATION FROM CONTRACT REQUIREMENTS.

ENDORSEMENT AS SUBMITTED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 REJECTED

By: *[Signature]* Date: 9/10/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
*[Signature]* 9/29/09  
 Signature Date

SEAL:  
*[Signature]*

MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #41041

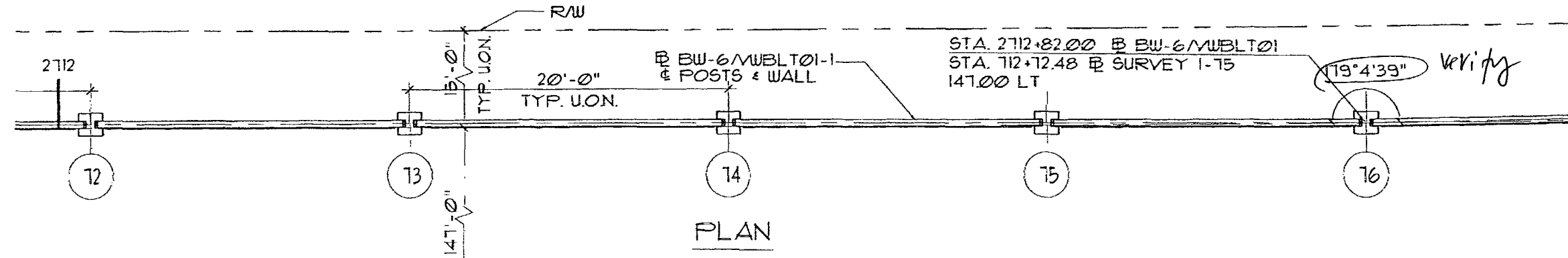
REV.	DATE:

**DURATEK**  
 PRECAST TECHNOLOGIES  
 2180 American Pylon Way  
 Brooksville, FL 34609-0620  
 Phone: (352) 796-5944 • Fax: (352) 796-8933  
 C.A.# 28460

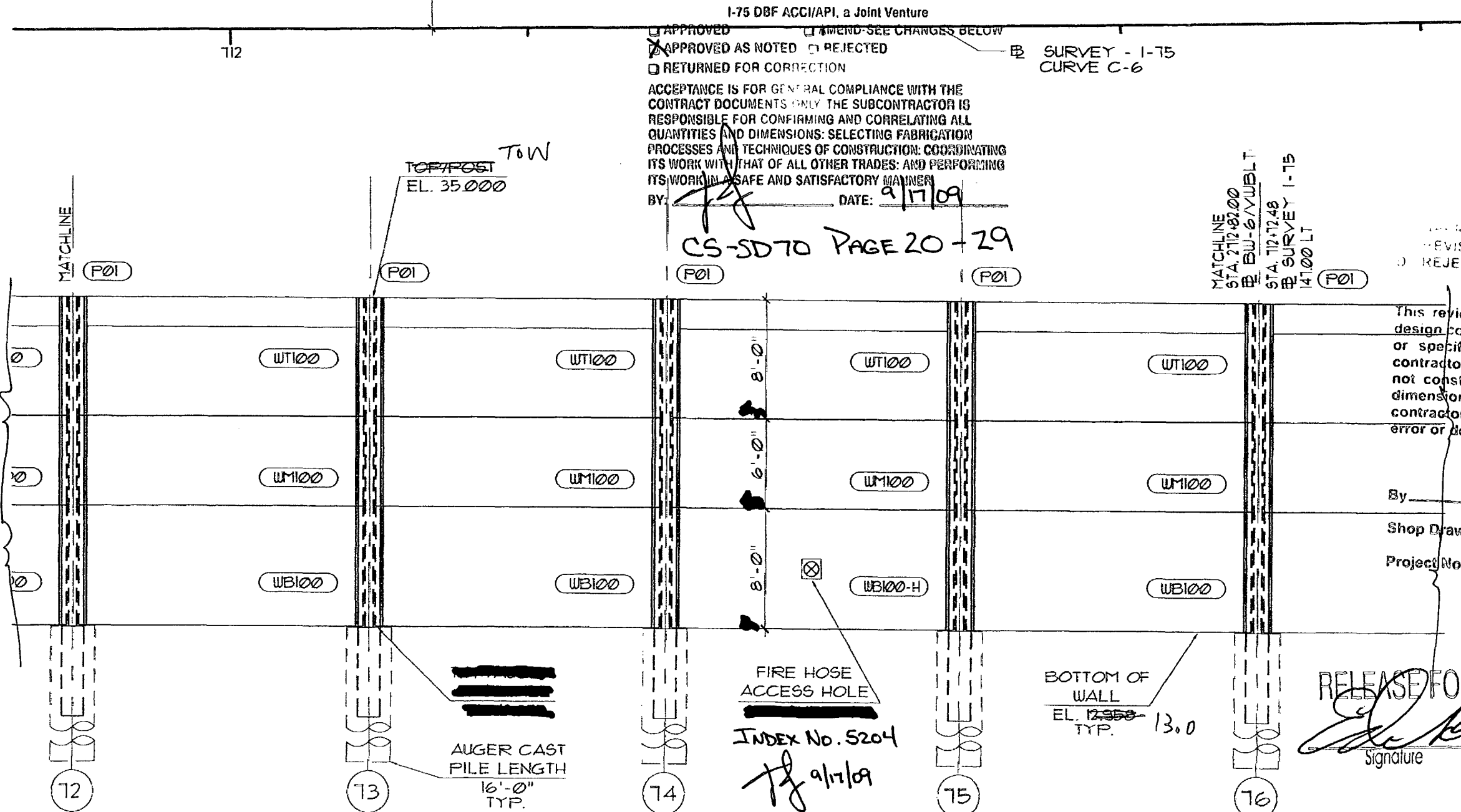
FINANCIAL PROJECT ID 420855-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)  
 STATE ROAD 88 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD  
 Project Name: COLLIER COUNTY SOUND BARRIER WALL - BW-6  
 Project Location: COLLIER COUNTY, FL  
 Drawing Name: SOUND BARRIER WALL - BW-6

SCALE: NOTED
DATE: 1/22/05
DRAWN BY: RBB
SHEET:

© 2009 Duratek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duratek. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to indemnify, defend and hold harmless Duratek from and against any and all claims, liability, and expense, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



PLAN



ELEVATION

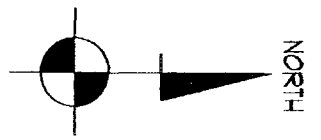
I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  REJECT-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 9/17/09

CS-SD70 PAGE 20-29

Ⓢ SURVEY - 1-15  
 CURVE C-6



MATCHLINE STA. 2712+82.00  
 Ⓢ BW-6/WUBLT-1  
 STA. 2712+72.48  
 Ⓢ SURVEY 1-15  
 147.00 LT (P01)

AS SUBMITTED  
 AS NOTED  
 REVISIONS AND RESUBMIT  
 REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: *[Signature]* Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
*[Signature]* 9/29/09  
 Signature Date

SEAL: *[Signature]*

MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #14841

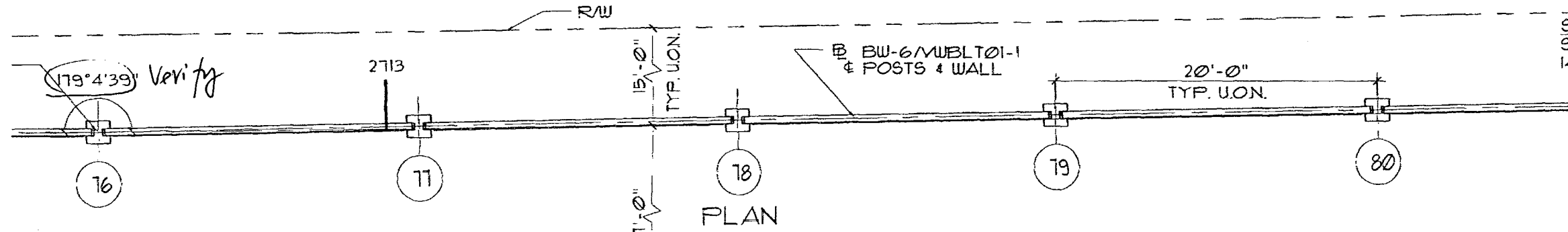
REV.	DATE:
△	

**DURATEK**  
 PRECAST TECHNOLOGIES  
 2140 American Flyer Way  
 Brooksville, FL 34604-0829  
 Phone: (352) 796-5944 • Fax: (352) 796-5933  
 C.A.# 2846/0

FINANCIAL PROJECT ID 420855-1-02-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)  
 STATE ROAD 93 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD  
 Project Location: COLLIER COUNTY, FL.  
 Drawing Name: SOUND BARRIER WALL - BW-6

Project Name:	SCALE: NOTED
Project Location:	DATE: 1/27/09
Drawing Name:	DRAWN BY: RBB
	SHEET:

© 2009 Duretek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duretek. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to indemnify, defend and hold harmless Duretek from and against any and all claims, liability, and expense, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 9/17/09

CS-SD70  
 PAGE 21-29

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: *[Signature]* DT Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
*[Signature]* 9/29/09  
 SEAL: \_\_\_\_\_  
 Signature: \_\_\_\_\_

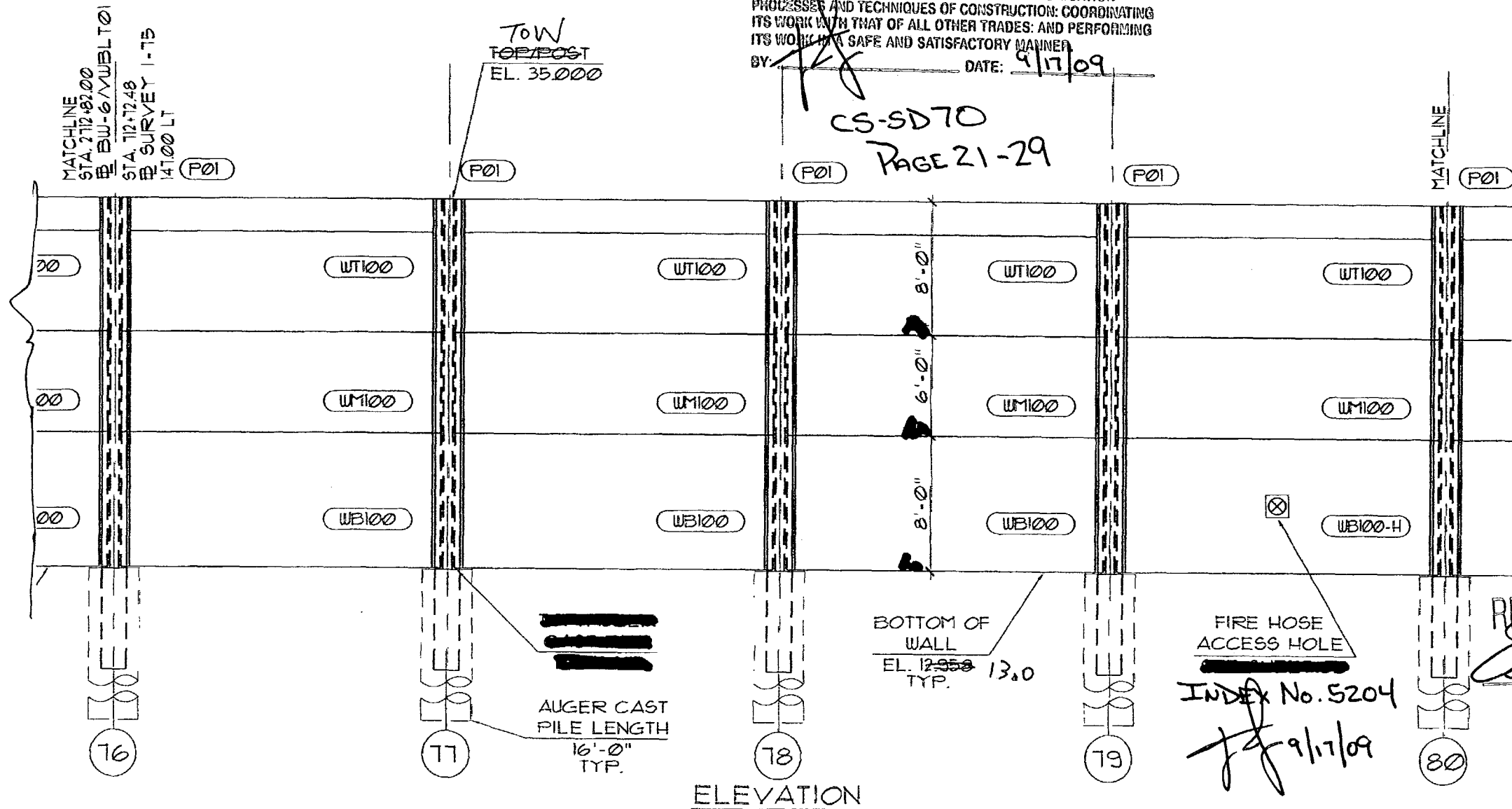
MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #44041

REV.	DATE:

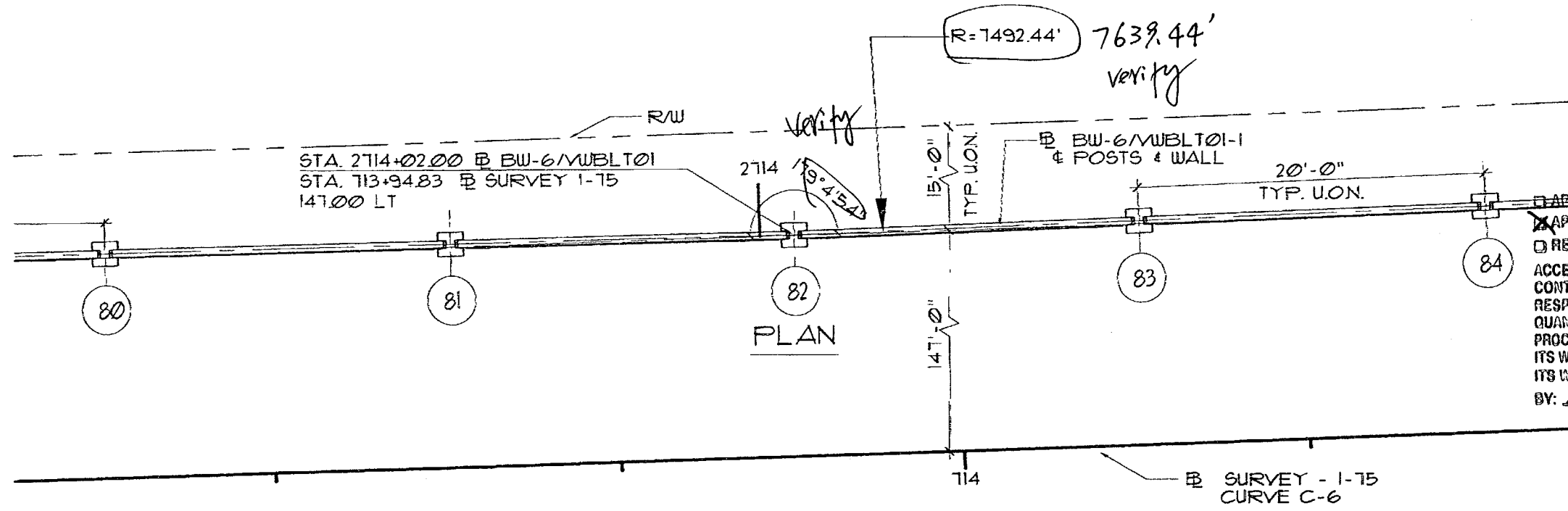
**DURETEK**  
 PRECAST TECHNOLOGIES  
 2180 American Fiber Way  
 Bucksville, FL 34604-0829  
 Phone: (352) 746-5944 • Fax: (352) 796-5933  
 C.A.# 28460

Project Name: FINANCIAL PROJECT ID 420855-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)  
 STATE ROAD 88 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD  
 Project Location: COLLIER COUNTY, FL.  
 Drawing Name: SOUND BARRIER WALL - BW-6

SCALE: NOTED  
 DATE: 1/22/09  
 DRAWN BY: RBB  
 SHEET:



© 2009 Duratek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duratek. Any such unauthorized use or reproduction of or modification of or reproduction of this drawing is done at the user's own risk and the user agrees to identify, defend and hold harmless Duratek from and against, any and all claims, liability and expenses, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.

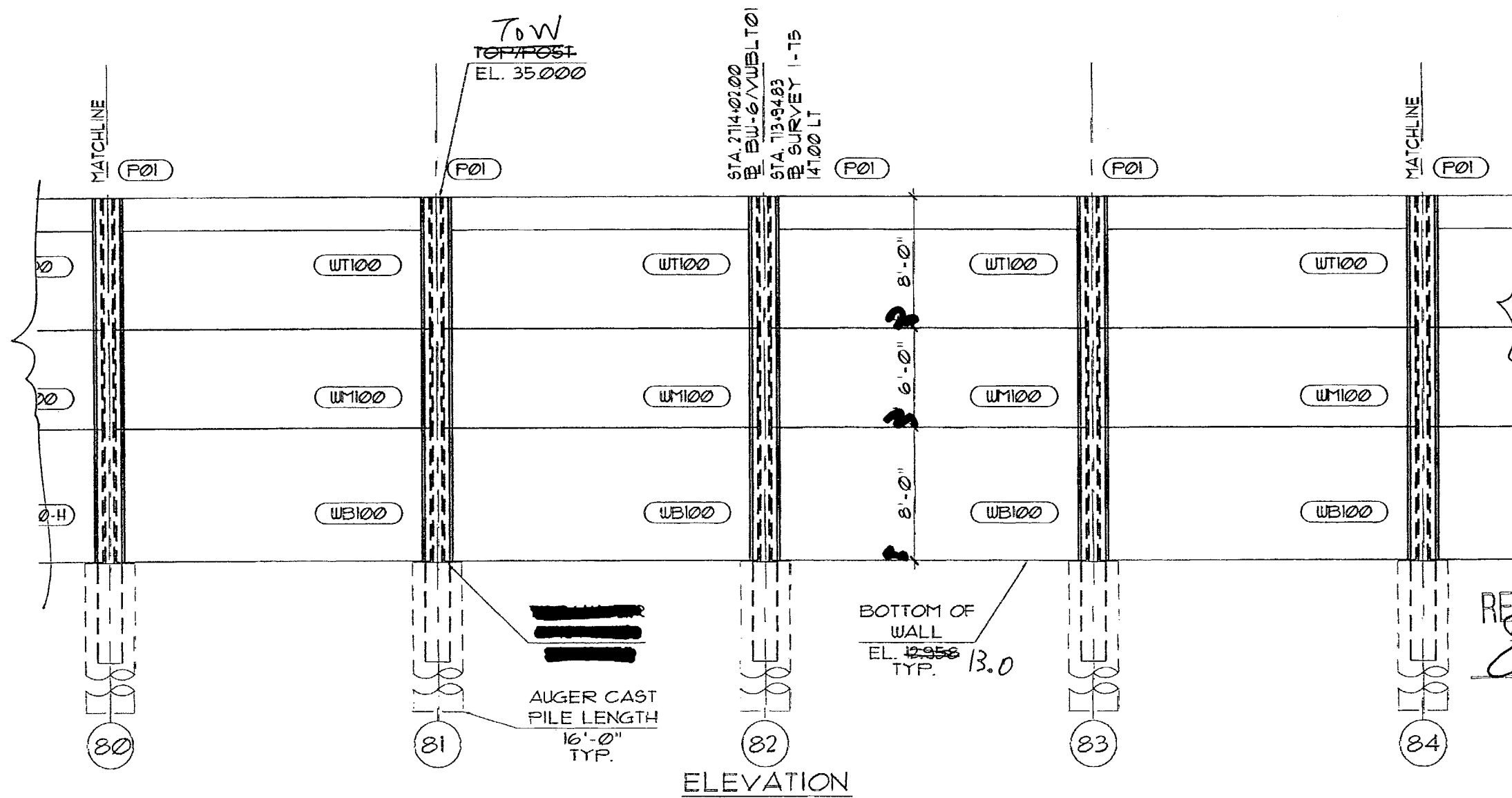


I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 9/17/09

CS-SD 70 PAGE 22-29



APPROVED AS SUBMITTED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: DT Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
[Signature] 9/29/09  
 Signature Date

SEAL: [Signature]  
 SCALE: NOTED  
 DATE: 1/22/09  
 DRAWN BY: REB  
 SHEET:

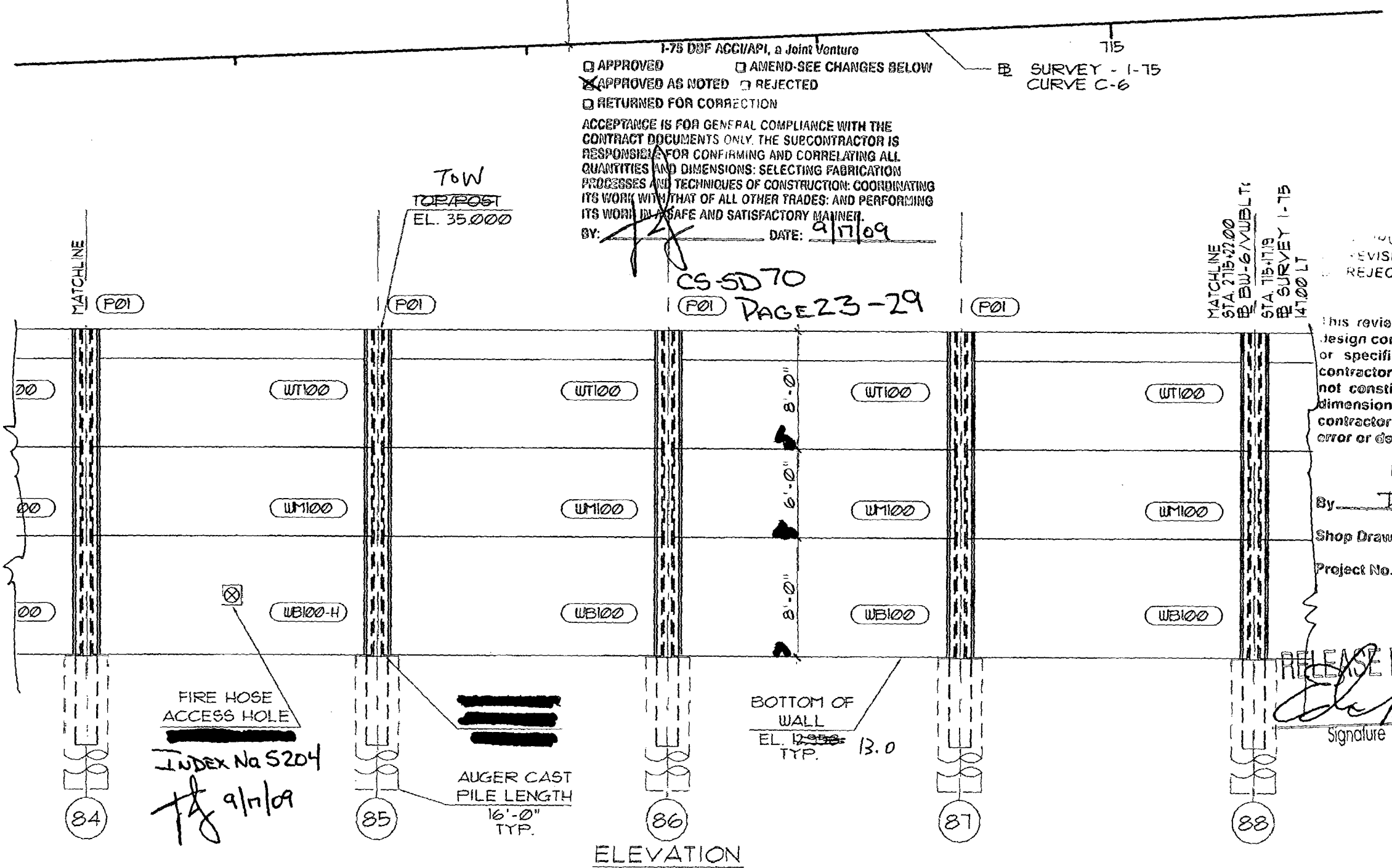
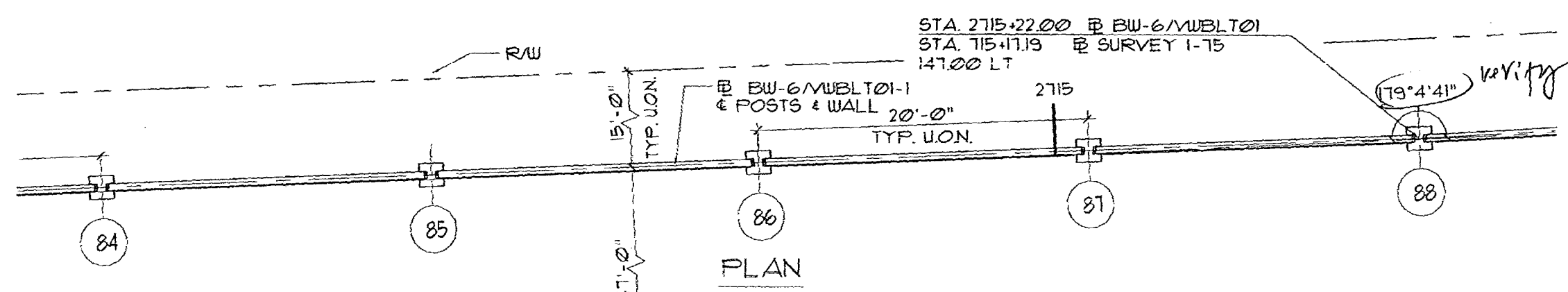
MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #14041

REV.	DATE:

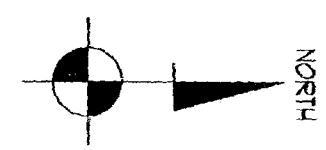
 PRECAST TECHNOLOGIES 2180 American Flyer Way Jacksonville, FL 32204-0829 Phone: (352) 796-9944 • Fax: (352) 796-9933 C.A.# 28460	FINANCIAL PROJECT ID 420855-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075) STATE ROAD 93 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD Project Name: Project Location: COLLIER COUNTY <del>FLORIDA</del> , FL. Drawing Name: SOUND BARRIER WALL - BW-6
--	---

© 2009 Duratek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duratek. Any such unauthorized use or reproduction of or modification of or reproduction of this drawing in whole or in part of the user's own risk and the user agrees to identify, defend and hold harmless Duratek from and against any and all claims, liability, and expenses, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



I-75 DBF ACCI/API, a Joint Venture  
 APPROVED     AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED     REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 9/17/09

CS-5D70  
 PAGE 23-29



APPROVED AS SUBMITTED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by contractor has not been reviewed. Review shall not constitute a complete check of details, dimensions or count or serve to relieve contractor of contractual responsibility for any error or deviation from contract requirements.

HOR ENGINEERING, INC.  
 By: *[Signature]* Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
*[Signature]* 9/29/09  
 Signature Date

SEAL:  
*[Signature]*  
 MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #43941

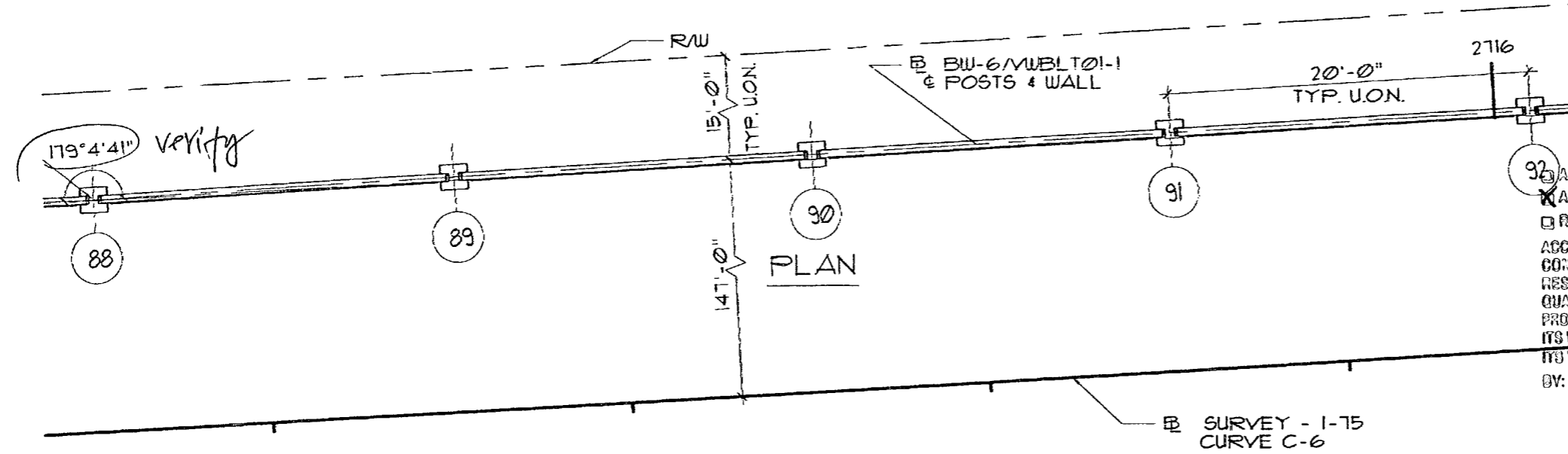
REV.	DATE:
△	

**DURATEK PRECAST TECHNOLOGIES**  
 2180 American Flyer Way  
 Brooksville, FL 34604-8820  
 Phone: (352) 796-5944 Fax: (352) 796-5933  
 FAX 28460

FINANCIAL PROJECT ID 4206557-52-01 COLLIER COUNTY (83-175) AND LEE COUNTY (12075)  
 STATE ROAD 83 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD  
 Project Name: COLLIER COUNTY SOUND BARRIER WALL - BW-6  
 Project Location: COLLIER COUNTY, FL  
 Drawing Name: SOUND BARRIER WALL - BW-6

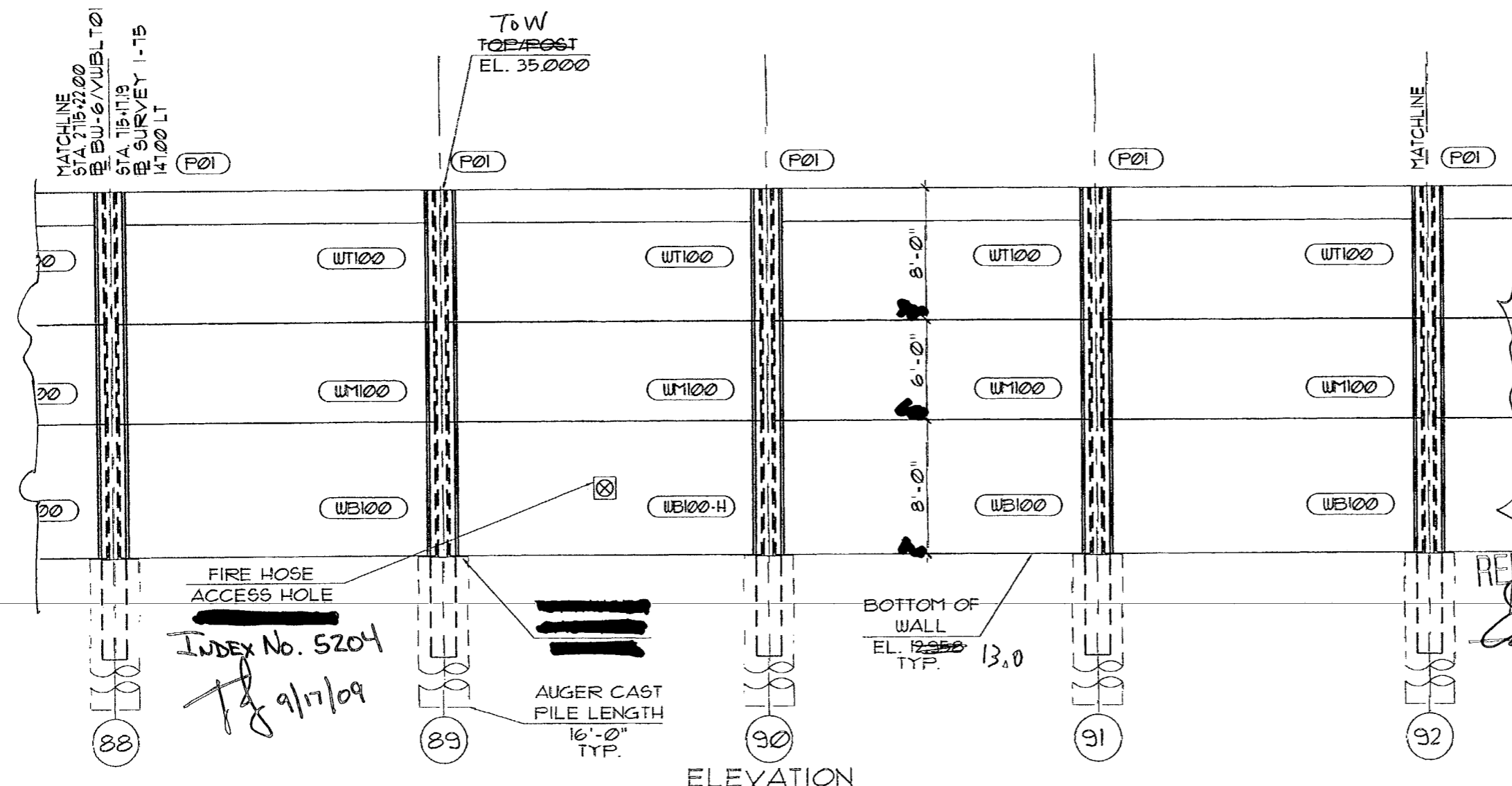
SCALE: NOTED  
 DATE: 1/22/09  
 DRAWN BY: RBB  
 SHEET: 24

© 2008 Ductek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Ductek. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to identify, defend and bear the entire financial liability, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS OF CONSTRUCTION. COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 9/17/09

NORTH  
 CS-SD TO PAGE 24-29



APPROVED AS SUBMITTED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 REJECTED  
 This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.  
 FOR ENGINEERING, INC.  
 By: *[Signature]* Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
*[Signature]* 9/29/09  
 Signature Date

SEAL:  
*[Signature]*  
 MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #44941

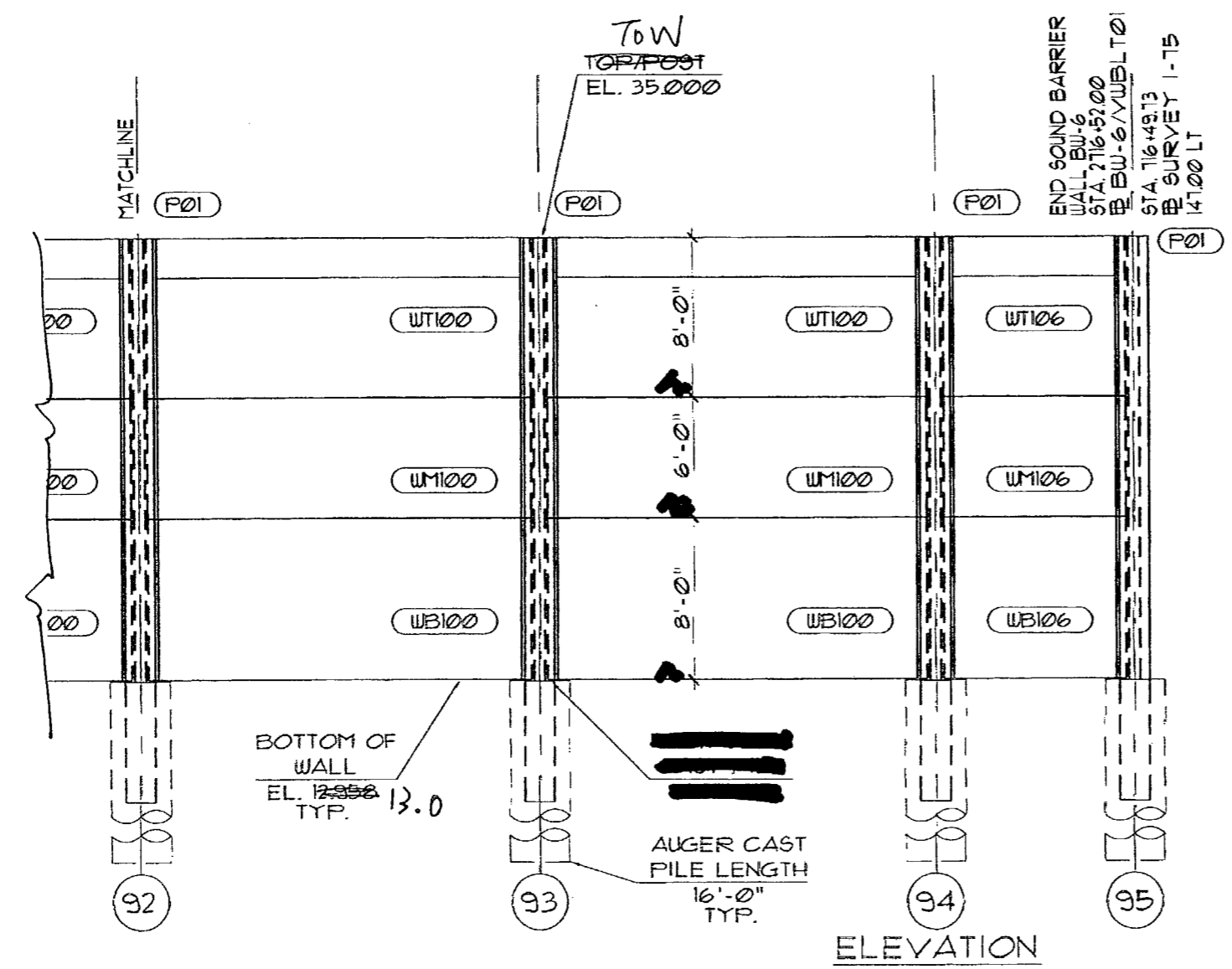
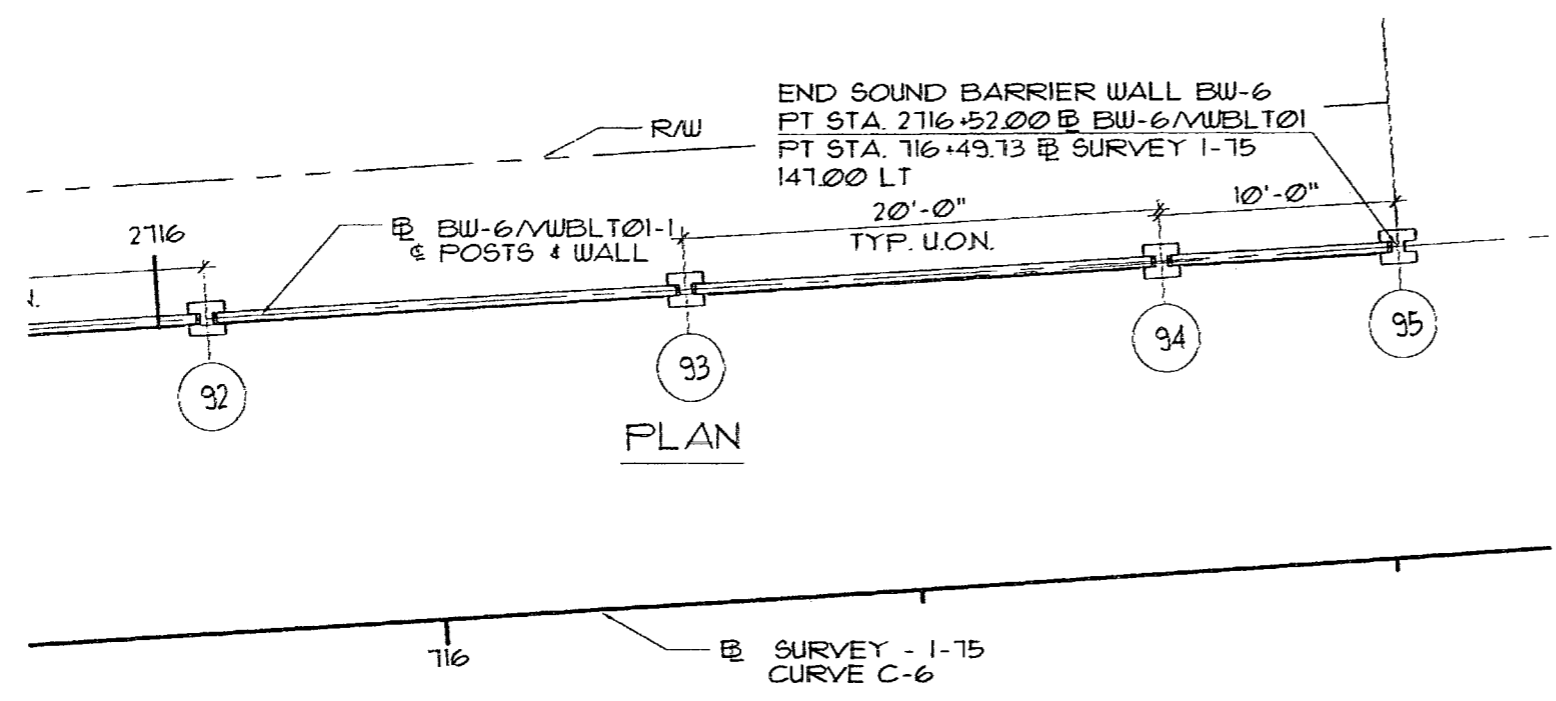
REV.	DATE:

**DUCTEK**  
 PRECAST TECHNOLOGIES  
 2180 American Flyer Way  
 Brooksville, FL 34609-6829  
 Phone: (352) 796-9944 Fax: (352) 796-9993  
 CA# 28460

FINANCIAL PROJECT ID 420655-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)  
 STATE ROAD 88 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD  
 Project Name: COLLIER COUNTY COUNTRY, FL.  
 Drawing Name: SOUND BARRIER WALL - BW-6

SCALE: NOTED  
 DATE: 7/22/09  
 DRAWN BY: RBB  
 SHEET: 25

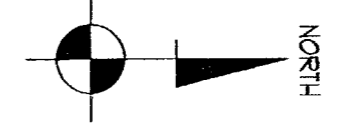
© 2006 Duratek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duratek. Any such unauthorized use or reproduction of or modification of or reproduction of this drawing is done at the user's own risk and the user agrees to identify, defend and hold harmless Duratek from and against any and all claims, liability, and expense, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



I-75 DBF ACCI/API, a Joint Venture  
 APPROVED       AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED & REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 9/17/09

CS-SD 70 PAGE 25-29



- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By: *[Signature]* Date: 9/17/09

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
*[Signature]* 9/29/09  
 Signature Date

SEAL:  
*[Signature]*

MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #44011

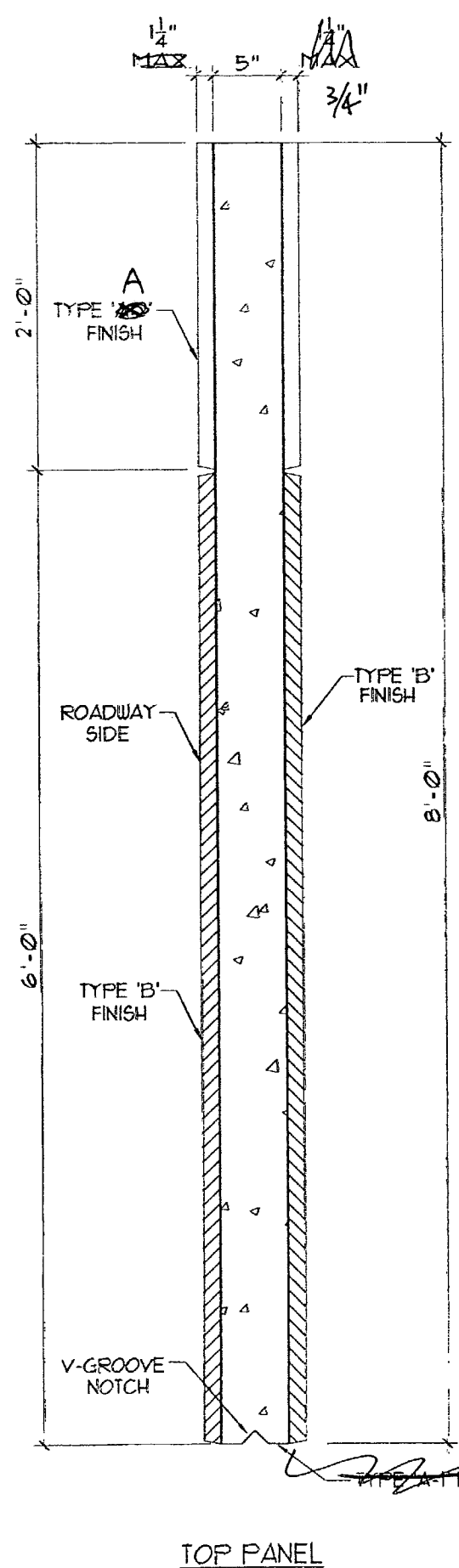
REV.	DATE:

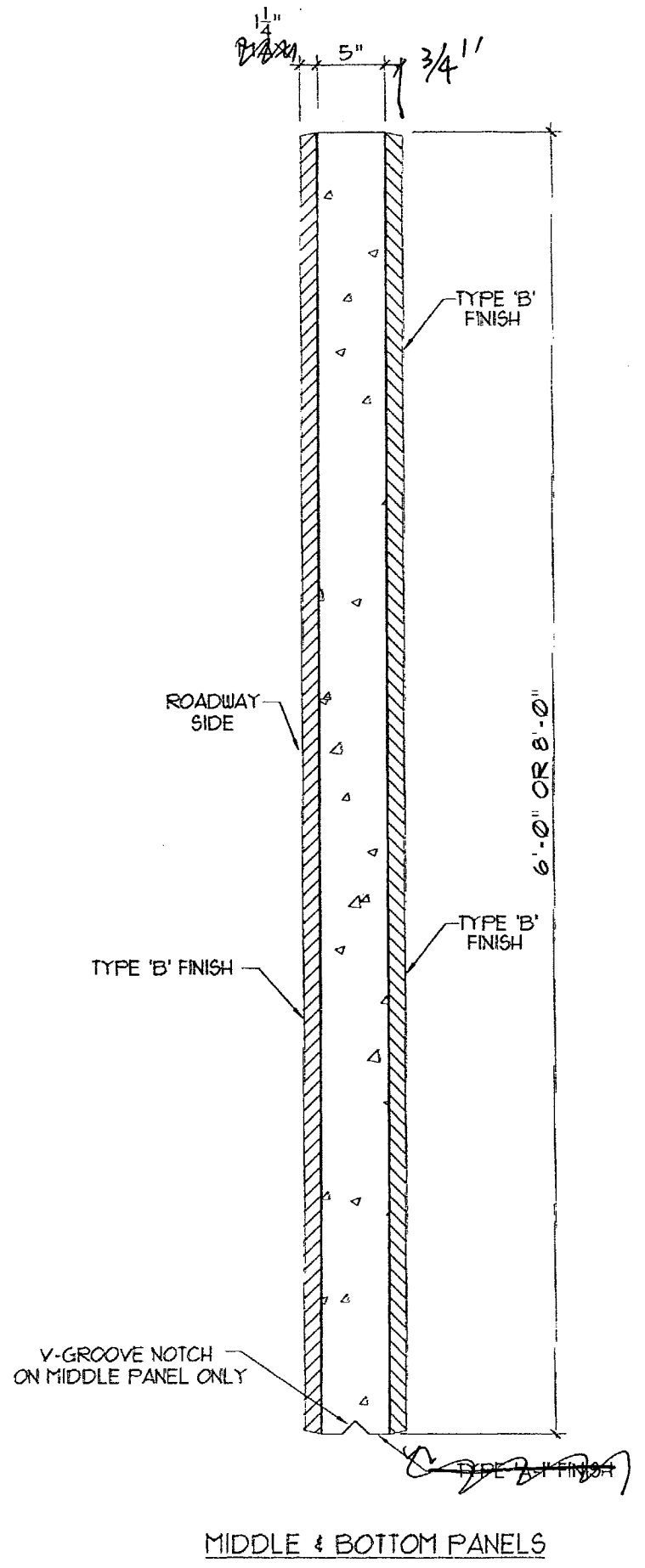
 DURATEK PRECAST TECHNOLOGIES 2180 American Flyer Way Brooksville, FL 34604-6829 Phone: (352) 796-5944 - Fax: (352) 796-5933 C.A.# 23440	FINANCIAL PROJECT ID 420665-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075) STATE ROAD 93 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD Project Name: Project Location: COLLIER COUNTY, FL. Drawing Name: SOUND BARRIER WALL - BW-6
SCALE: NOTED	DATE: 1/22/09
DRAWN BY: RBB	SHEET: 26



© 2009 Duretek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duretek. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to indemnify, defend and hold harmless Duretek from and against all claims, liability, and expense, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



TOP PANEL



MIDDLE & BOTTOM PANELS

I-75 DBF ACC/API, a Joint Venture  
 APPROVED      AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED      REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]*     DATE: 9/17/09

CS-SD 70 PAGE 26-29

A-1		SMOOTH STEEL FORM OR STEEL TROWEL FINISH
<del>A</del>		SMOOTH/LIGHT TEXTURE FORMLINER FINISH TO MATCH EXISTING PROJECT WALLS <i>(Index 5201)</i> <i>[Signature]</i>
B		ASHLAR STONE FORMLINER FINISH TO MATCH EXISTING PROJECT WALLS 24" REPEATING STONE PATTERN

FINISH SCHEDULE

APPROVED AS SUBMITTED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

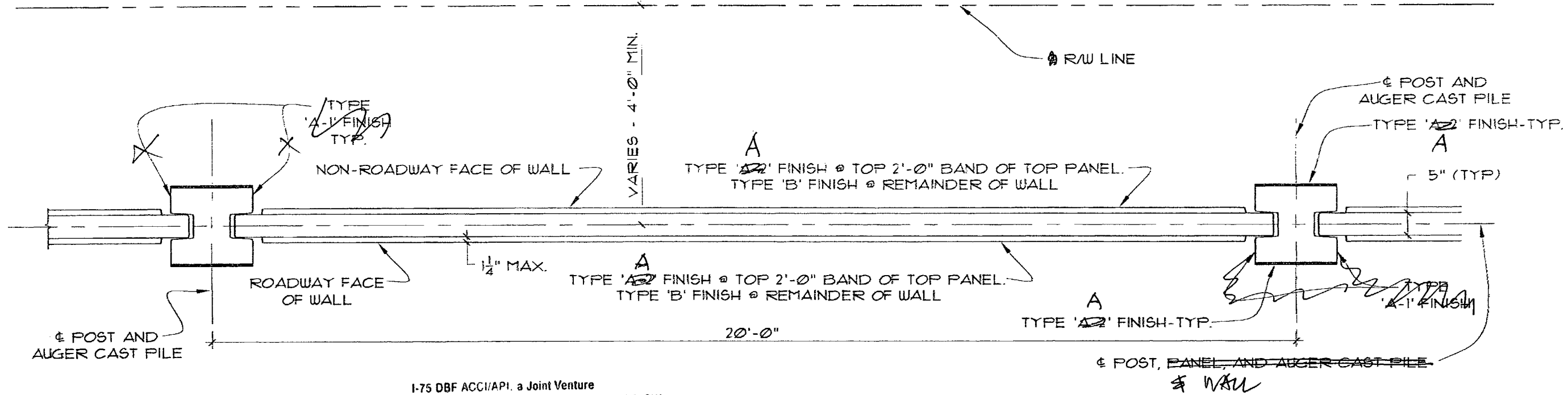
RELEASE FOR CONSTRUCTION  
*[Signature]*     9/29/09  
 Signature     Date

HDR ENGINEERING, INC.  
 By: PT     Date: 9/17/09  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

SEAL:  
*[Signature]*  
 MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #44041

REV.	DATE:
△	-
 2180 American Flyer Way Brooksville, FL 34604-0829 Phone: (352) 796-5944 • Fax: (352) 796-5933 C/A # 28460	
Project Name:	FINANCIAL PROJECT ID 420655-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075) STATE ROAD 83 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD
Project Location:	COLLIER COUNTY, FL.
Drawing Name:	SOUND BARRIER WALL - BW-6
SCALE:	NOTED
DATE:	8/6/09
DRAWN BY:	RBB
SHEET:	29

© 2009 Duralak Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duralak. Any such unauthorized use or reproduction of or modification of this drawing is done at the user's own risk and the user agrees to indemnify, defend and hold harmless Duralak from and against any and all claims, liability, and expense, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.



I-75 DBF ACCI/API, a Joint Venture

APPROVED

AMEND-SEE CHANGES BELOW

APPROVED AS NOTED

REJECTED

RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 9/17/09

A. APPROVED AS SUBMITTED

APPROVED AS NOTED

REVISE AND RESUBMIT

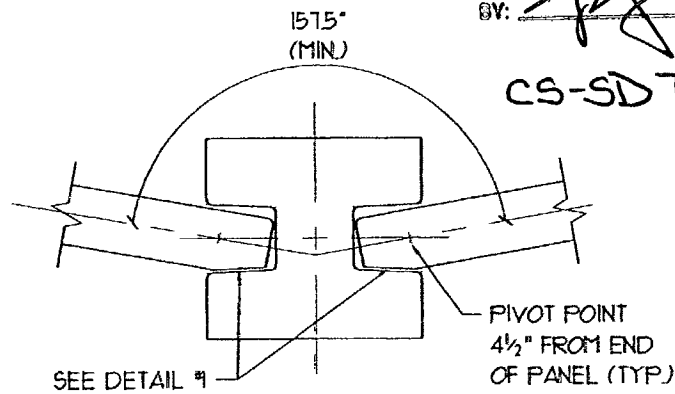
D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

RELEASE FOR CONSTRUCTION

[Signature] 9/29/09

Signature Date

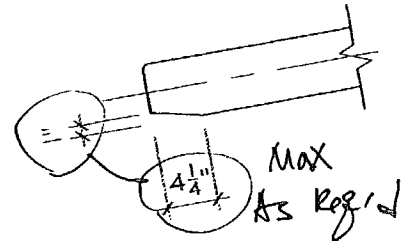


TYP. POST SHOWN. OTHER POST ANGLES ARE SIM.

Panel

PANEL CHAMFER DETAIL FOR NEW PANELS

3/4" = 1'-0"



DETAIL #1

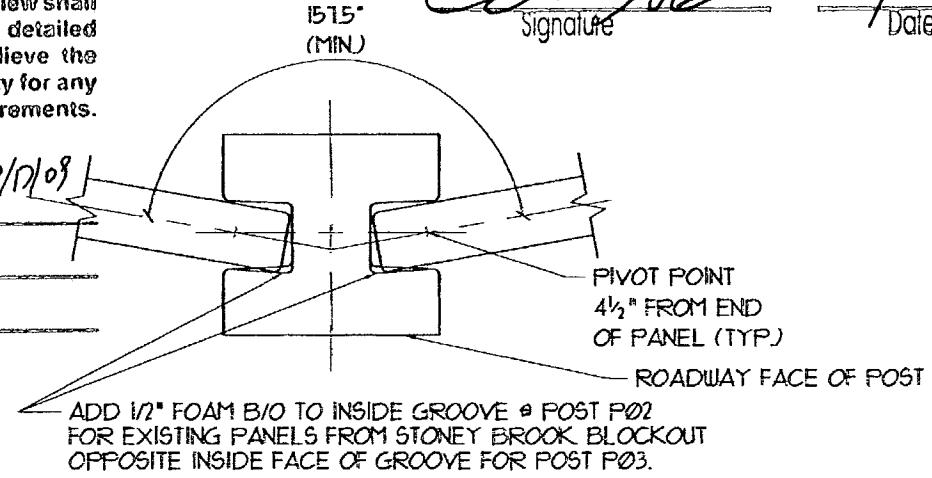
3/4" = 1'-0"

HDR ENGINEERING, INC. 9/17/09

By: BT Date

Shop Drawing Reference No.

Project No.



MODIFIED POST DETAIL FOR STONEY BROOK PANELS

3/4" = 1'-0"

SEE PANEL SCHEDULE FOR REQUIRED LOCATIONS

SEAL:

[Signature]

MANUEL R. LINARES, III, P.E.  
FLORIDA REG. #44041

REV.	DATE
△	

**DURALAK**  
PRECAST TECHNOLOGIES  
2180 American Fiber Way  
Brooksville, FL 34604-0829  
Phone: (352) 796-5944 • Fax: (352) 796-5933  
C/A # 28460

Project Name: FINANCIAL PROJECT ID 420855-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12076)  
STATE ROAD 93 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD

Project Location: COLLIER COUNTY, FL.

Drawing Name: SOUND BARRIER WALL - BW-6

SCALE: NOTED

DATE: 8/16/09

DRAWN BY: RBB

SHEET: 31

© 2008 Duretek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Duretek. Any such unauthorized use or reproduction of this drawing is done at the user's own risk and the user agrees to indemnify, defend and hold harmless Duretek from and against any and all claims, liability, and expenses, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.

PANEL SCHEDULE - WALL BW-6

WALL #	PANEL MARK #	QTY.	LEFTOVER PANELS FROM STONEY BROOK	PANEL QTY. AFTER DEDUCTIONS	PANEL HEIGHT	PANEL LENGTH	TYP. VERT. BAR LENGTH	HORIZ. BAR LENGTH	DRAINAGE HOLE TYPE	FIRE HOSE HOLE	WEIGHT (LBS.)	CUBIC YARDS	SQUARE FEET	REMARKS
BW-6	WT100	81	8	73	8'-0"	19'-2"	7'-8"	18'-10"	N/A	N/A	13,415	3.31	153	
BW-6	WT101	4	4	0	8'-0"	17'-2"	7'-8"	16'-10"	N/A	N/A	12,015	2.97	137	
BW-6	WT102	1			8'-0"	19'-2"	7'-8"	18'-10"	N/A	N/A	13,415	3.31	153	CHAMFER RIGHT END
BW-6	WT103	3	3	0	8'-0"	17'-2"	7'-8"	16'-10"	N/A	N/A	12,015	2.97	137	CHAMFER RIGHT END
BW-6	WT104	2			8'-0"	19'-2"	7'-8"	18'-10"	N/A	N/A	13,415	3.31	153	CHAMFER LEFT END
BW-6	WT105	2	2	0	8'-0"	17'-2"	7'-8"	16'-10"	N/A	N/A	12,015	2.97	137	CHAMFER LEFT END
BW-6	WT106	1			8'-0"	9'-2"	7'-8"	8'-10"	N/A	N/A	6,415	1.58	73	
BW-6	WM100	81	8	73	6'-0"	19'-2"	5'-8"	18'-10"	N/A	N/A	10,060	2.48	115	
BW-6	WM101	4	4	0	6'-0"	17'-2"	5'-8"	16'-10"	N/A	N/A	9,060	2.23	103	
BW-6	WM102	1			6'-0"	19'-2"	5'-8"	18'-10"	N/A	N/A	10,060	2.48	115	CHAMFER RIGHT END
BW-6	WM103	3	3	0	6'-0"	17'-2"	5'-8"	16'-10"	N/A	N/A	9,060	2.23	103	CHAMFER RIGHT END
BW-6	WM104	2			6'-0"	19'-2"	5'-8"	18'-10"	N/A	N/A	10,060	2.48	115	CHAMFER LEFT END
BW-6	WM105	2	2	0	6'-0"	17'-2"	5'-8"	16'-10"	N/A	N/A	9,060	2.23	103	CHAMFER LEFT END
BW-6	WM106	1			6'-0"	9'-2"	5'-8"	8'-10"	N/A	N/A	4,810	1.19	55	
BW-6	WB100	66	9	57	8'-0"	19'-2"	7'-8"	18'-10"	N/A	N/A	13,415	3.31	153	
BW-6	WB101	2	2	0	8'-0"	17'-2"	7'-8"	16'-10"	N/A	N/A	12,015	2.97	137	
BW-6	WB102	1			8'-0"	19'-2"	7'-8"	18'-10"	N/A	N/A	13,415	3.31	153	CHAMFER RIGHT END
BW-6	WB103	2	2	0	8'-0"	17'-2"	7'-8"	16'-10"	N/A	N/A	12,015	2.97	137	CHAMFER RIGHT END
BW-6	WB104	2			8'-0"	19'-2"	7'-8"	18'-10"	N/A	N/A	13,415	3.31	153	CHAMFER LEFT END
BW-6	WB105	2	2	0	8'-0"	17'-2"	7'-8"	16'-10"	N/A	N/A	12,015	2.97	137	CHAMFER LEFT END
BW-6	WB106	1			8'-0"	9'-2"	7'-8"	8'-10"	N/A	N/A	6,415	1.58	73	
BW-6	WB100-H	15			8'-0"	19'-2"	7'-8"	18'-10"	N/A	SEE SHT. 30	13,415	3.31	153	FIRE HYDRANT ACCESS OPENING
BW-6	WB101-H	2	2	0	8'-0"	17'-2"	7'-8"	16'-10"	N/A	SEE SHT. 30	12,015	2.97	137	FIRE HYDRANT ACCESS OPENING
BW-6	WB103-H	1	1	0	8'-0"	17'-2"	7'-8"	16'-10"	N/A	SEE SHT. 30	12,015	2.97	137	FIRE HYDRANT ACCESS OPENING-CHAMFER RIGHT END
* PANEL SCHEDULE - EXCESS PANELS FROM EXISTING INVENTORY (previous approved)														
BW-6	W10A *	8			8'-0"	19'-2"								
BW-6	W26A *	9			8'-0"	17'-2"								
BW-6	W2B *	8			6'-0"	19'-2"								
BW-6	W12B *	9			6'-0"	17'-2"								
BW-6	W15C *	4			8'-0"	19'-2"								
BW-6	W16C *	1			8'-0"	19'-2"				SEE SHT. 30				FIRE HYDRANT ACCESS OPENING
BW-6	W17C *	4			8'-0"	17'-2"								
BW-6	W27C *	3			8'-0"	19'-2"				SEE SHT. 30				DRAINAGE HOLES TYPE A
BW-6	W28C *	1			8'-0"	19'-2"				SEE SHT. 30	SEE SHT. 30			FIRE HYDRANT ACCESS OPENING-DRAINAGE HOLES TYPE A
BW-6	W28CA *	1			8'-0"	17'-2"				SEE SHT. 30	SEE SHT. 30			FIRE HYDRANT ACCESS OPENING-DRAINAGE HOLES TYPE A
BW-6	W29C *	3			8'-0"	17'-2"				SEE SHT. 30				DRAINAGE HOLES TYPE A
BW-6	W41C *	1			8'-0"	17'-2"				SEE SHT. 30				FIRE HYDRANT ACCESS OPENING
TOTAL		52 *												

*Handwritten signature and date: 9/17/09*  
**STONEY BROOK PANELS**

APPROVED AS SUBMITTED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 REJECTED

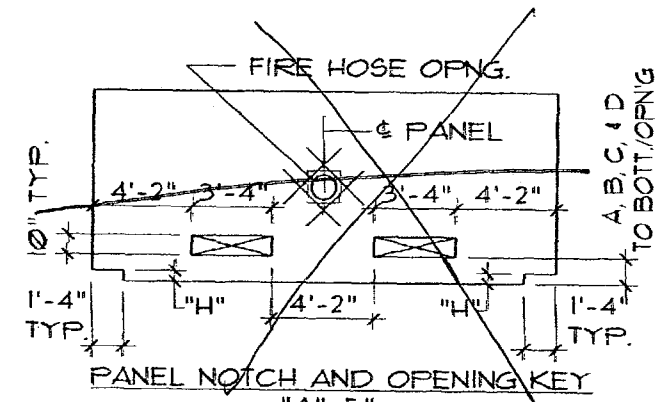
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HOR ENGINEERING, INC.

By DT Date 9/17/09

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_



I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 AMEND-SEE CHANGES BELOW  
 REJECTED

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: Handwritten signature DATE: 9/17/09

CS-SD 70 PAGE 28-29

RELEASE FOR CONSTRUCTION  
*Handwritten signature*  
 Signature  
 9/29/09  
 Date

SEAL:  
*Handwritten signature*  
 MANUEL R. LINARES, III P.E.  
 FLORIDA REG. #1031

REV.	DATE:
△	
 PRECAST TECHNOLOGIES 2180 American Flyer Way Brooksville, FL 34604-0820 Phone: (352) 796-5944 - Fax: (352) 796-9333 C.A.P. 23460	
Project Name:	FINANCIAL PROJECT ID 420855-1-52-01 COLLIER COUNTY (03175) AND LEE COUNTY (12075)
Project Location:	STATE ROAD 88 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD
Drawing Name:	COLLIER COUNTY, FL. SOUND BARRIER WALL - BW-6
SCALE:	NOTED
DATE:	8/6/09
DRAWN BY:	RBB
SHEET:	35

© 2009 Durbek Precast Technologies, Inc. All rights reserved. No part of this drawing may be used, reproduced, or modified in any manner without the prior written authorization of Durbek. Any such unauthorized use or reproduction of or modification to this drawing is done at the user's own risk and the user agrees to identify, defend and hold harmless Durbek from and against any and all claims, liability, and expenses, including, but not limited to, reasonable attorney's fees, arising from such use, reproduction or modification.

POST AND PILE SCHEDULE-WALL BW-6

WALL #	GRID LINE #	MARK #	POST TYPE	QTY.	OVERALL POST LENGTH	AUGER CAST PILE LENGTH	BARS 'A'			BARS 'B'			BARS 'C'			BARS 'P1'			BARS 'P2'			BARS 'P3'			BARS 'HPI'-SEE SHEETS 33 & 34			AUGER CAST PILE QTY YDS.	POST QTY YDS.	POST WEIGHT (LBS.)	REMARKS
							QTY.	SIZE	LENGTH	QTY.	SIZE	LENGTH	QTY.	SIZE	LENGTH	QTY.	SIZE	LENGTH	QTY.	SIZE	LENGTH	QTY.	SIZE	LENGTH	QTY.	SIZE	LENGTH				
BW-6	1-61	F01	IN LINE	57	28'-1 1/2"	15'-0"	6	9	27'-0"	4	9	14'-3"	10	9	14'-0"	36	4	2'-5"	8	4	5'-5"	15	4	8'-4"	2	4	4'-7"	3.93	183	7,430	
BW-6	62-95	F01	IN LINE	34	28'-1 1/2"	16'-0"	6	9	27'-10"	4	9	14'-3"	10	9	15'-0"	36	4	2'-5"	8	4	5'-5"	16	4	8'-4"	2	4	4'-7"	4.19	183	7,430	
BW-6	10 & 25	F02	IN LINE	2	28'-1 1/2"	15'-0"	6	9	27'-10"	4	9	14'-3"	10	9	14'-0"	36	4	2'-5"	8	4	5'-5"	15	4	8'-4"	2	4	4'-7"	3.93	183	7,430	BLOCKOUT @ GROOVE-ROADWAY FACE SIDE-SEE SH.T. 31
BW-6	12 & 31	F03	IN LINE	2	28'-1 1/2"	15'-0"	6	9	27'-10"	4	9	14'-3"	10	9	14'-0"	36	4	2'-5"	8	4	5'-5"	15	4	8'-4"	2	4	4'-7"	3.93	183	7,430	BLOCKOUT @ GROOVE-NON-ROADWAY FACE SIDE-SEE SH.T. 31

*provide if req'd. by index*

*verify 28'-1 1/2" (alt)*

*7" verify*

*13'-9" verify*

*verify 13'-6"*  
*verify 14'-6"*

*verify 7"*

*provide p9 & p10 bars per index 5205*

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED       AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED       REJECTED  
 RETURNED FOR REVISION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: \_\_\_\_\_ DATE: 9/17/09

CS-SD70 PAGE 29-29

- 1. APPROVED AS SUBMITTED
- 2. APPROVED AS NOTED
- 3. REVISE AND RESUBMIT
- 4. REJECTED

*LD*

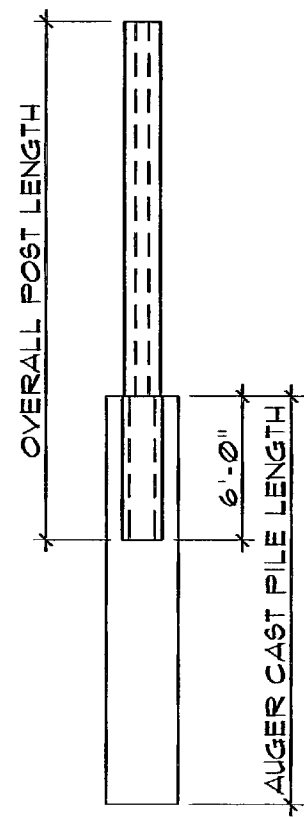
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By DT Date 9/17/09

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_



POST & PILE DETAIL

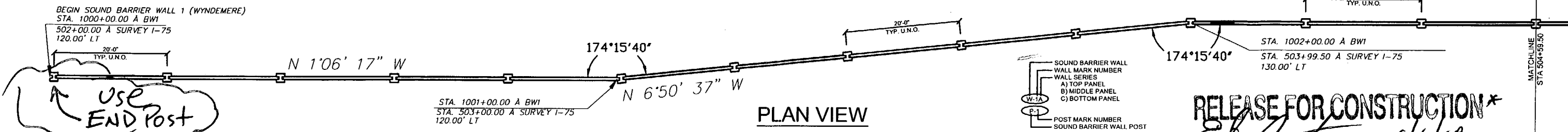
RELEASE FOR CONSTRUCTION  
*[Signature]*  
 Signature  
9/29/09  
 Date

SEAL:

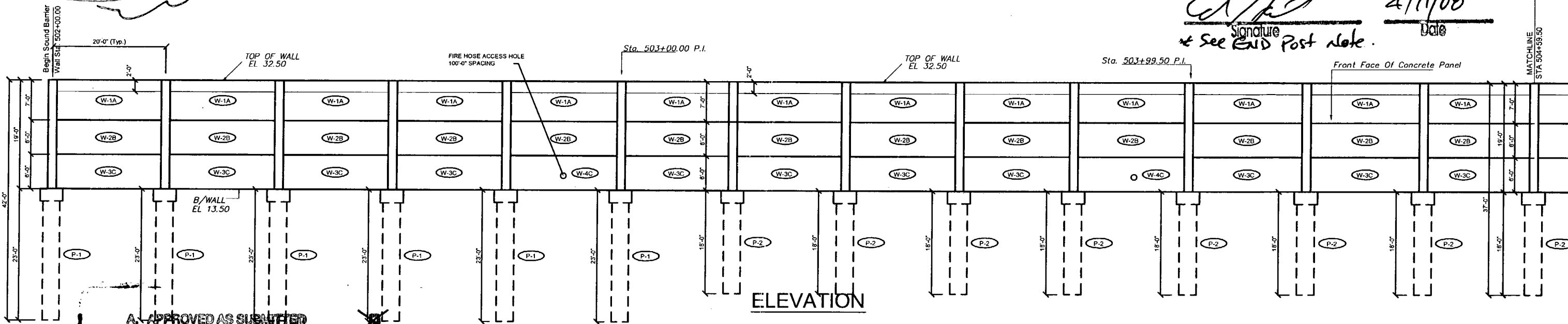
*[Signature]*

MANUEL R. LINARES, III, P.E.  
 FLORIDA REG. #44041

<p>REV.    DATE:                  Δ    -</p>	
2180 American Flyer Way Brooksville, FL 34604-6829 Phone: (352) 796-5944 Fax: (352) 796-5933 CAY 28460	
<p>Project Name: FINANCIAL PROJECT ID 420855-152-01 COLLIER COUNTY (08175) AND LEE COUNTY (12075)                  STATE ROAD 88 - I-75 - VILLAGE WALK - NORTH OF PINE RIDGE ROAD TO VANDERBILT BEACH ROAD</p>	<p>Project Location: COLLIER COUNTY, FL.                  Drawing Name: SOUND BARRIER WALL - BW-6</p>
<p>SCALE: NOTED                  DATE: 8/6/09                  DRAWN BY: RBB                  SHEET: <span style="float: right;">36</span></p>	



**RELEASE FOR CONSTRUCTION\***  
*[Signature]*  
 Date: 4/11/08  
 \* See End Post Note.

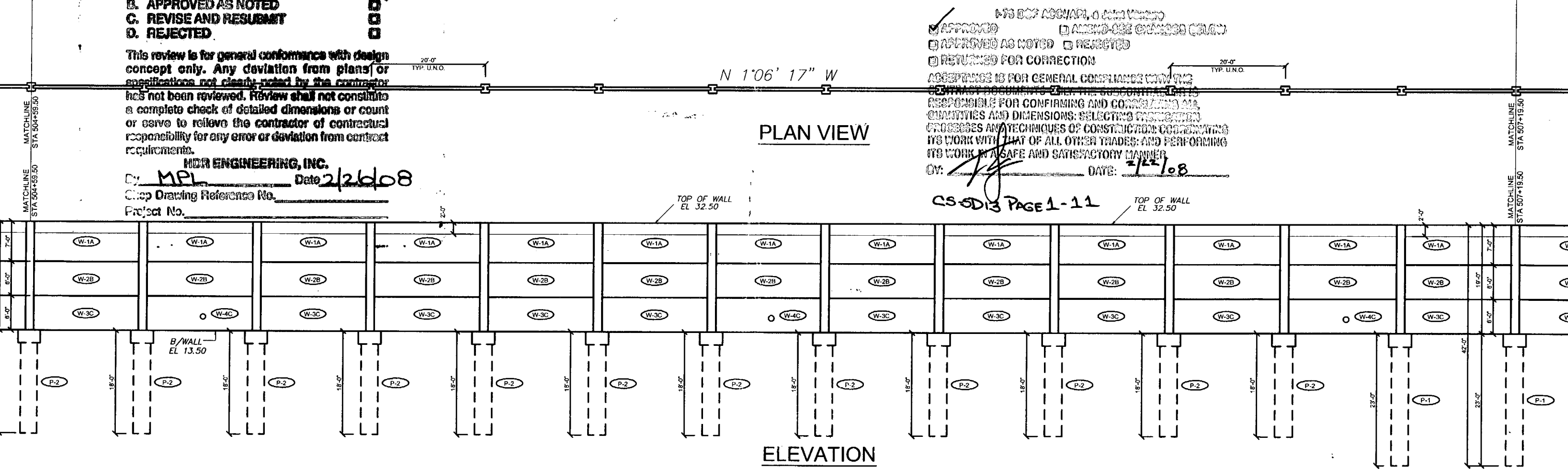


- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

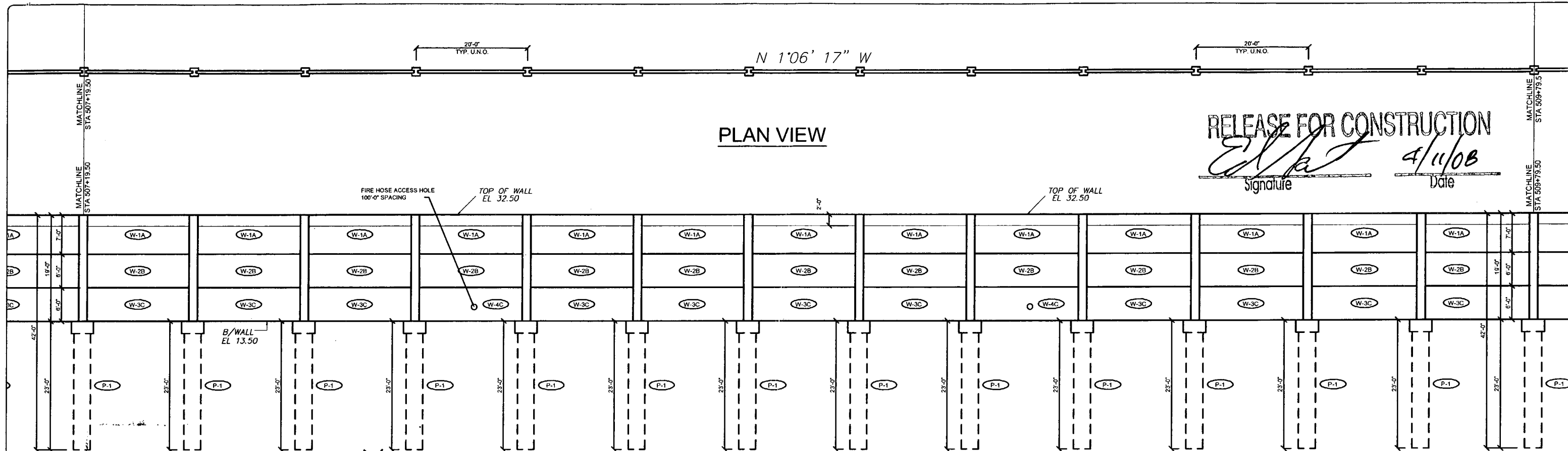
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

**MOR ENGINEERING, INC.**  
 By: MPL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

W-3 DOF ACCIAP1, J. John Venero  
 APPROVED  APPROVED AS NOTED  RETURNED FOR CORRECTION  
 AMEND-SEE CHANGES COLUMN  REJECTED  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING PROPER CONSTRUCTION TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 2/27/08



CS-5D13 PAGE 1-11



**RELEASE FOR CONSTRUCTION**  
*[Signature]*  
 Signature  
 4/11/08  
 Date

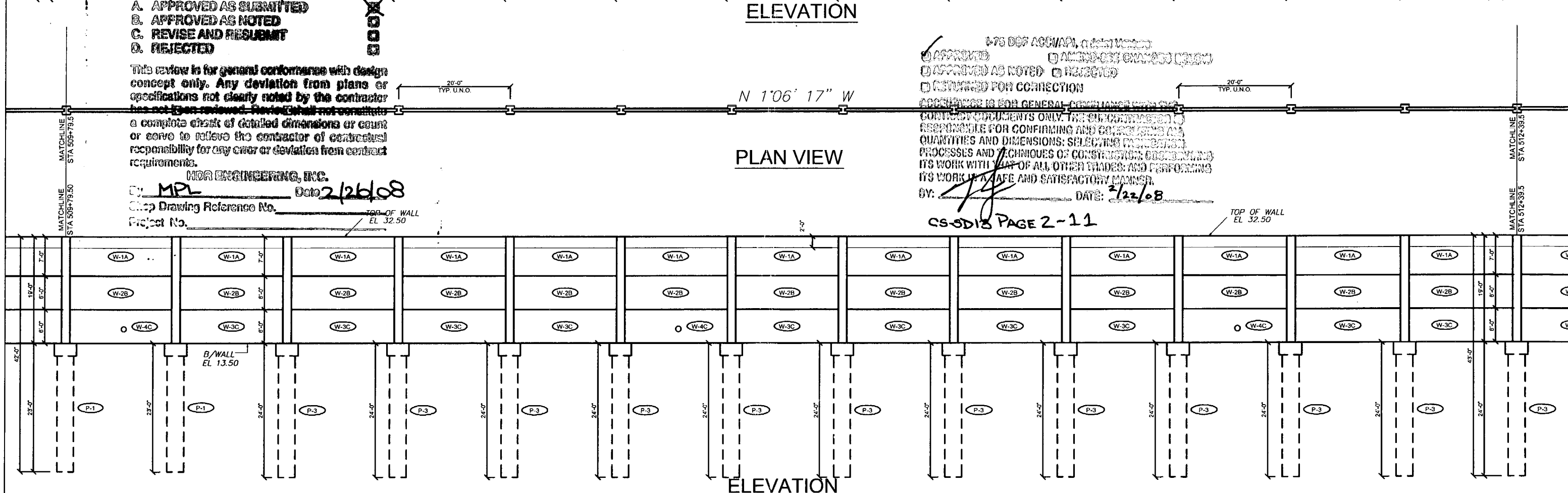
- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

**HDR ENGINEERING, INC.**  
 By: MPL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

1-75 DGS ACC/WAPI, n [unclear]  
 APPROVED  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 AMEND-SEE CHANGES [unclear]  
 REJECTED  
 COORDINATION IS FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 2/22/08

CS-SD18 PAGE 2-11



Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/18/08	COMMENTS RECEIVED 02/18/08 - FIRE HOSE LOCATIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC. DW-1 THRU DW-4 DATED 8/92 AND 10/97 DW-11 THRU DW-14 DATED 10/97

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

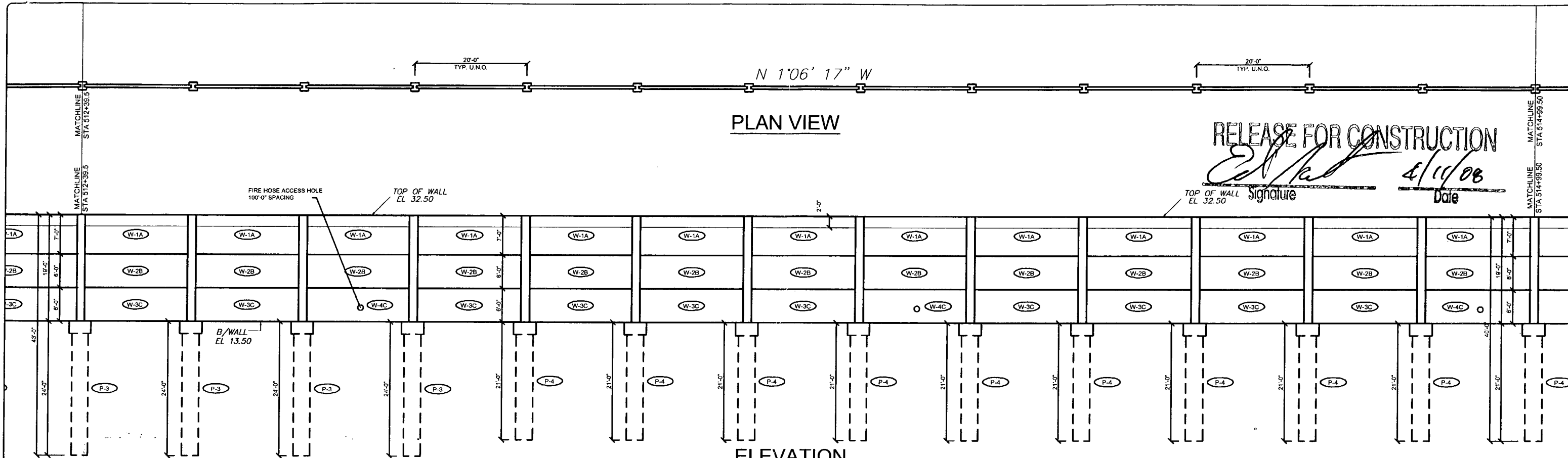
**Florida Engineering Solutions**  
 C.A. No. 26300 - 12830 Canby St. - Suite 101 - San Antonio, FL 33576  
 Ph: 352 / 668 - 5311 Fax: 352 / 668 - 6411 Web: www.florida-engineering.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 February 21st, 2008  
 John A. Troy, P.E.  
 Florida License Number 65312

**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6826  
 Toll Free: 800-764-3641 Ph: 352-799-6944 Fax: 352-799-6933 Web: www.duratek.net

SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
 SHOP DRAWING (STA 507+19.50 - 512+39.50)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

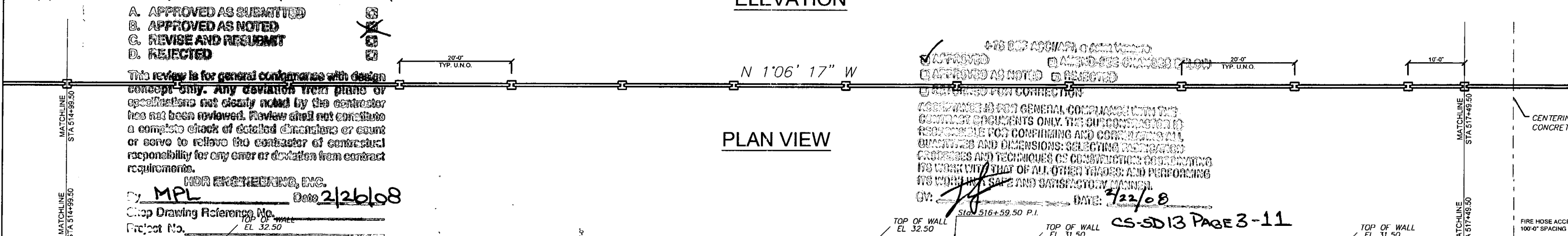
PROJECT NO. 07-2055-701  
 SHEET NO. X1.2



**RELEASE FOR CONSTRUCTION**

*[Signature]* 2/11/08

Signature Date



APPROVED

APPROVED AS NOTED

REJECTED

REFERENCED FOR CORRECTION

AGREEMENT IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 2/22/08

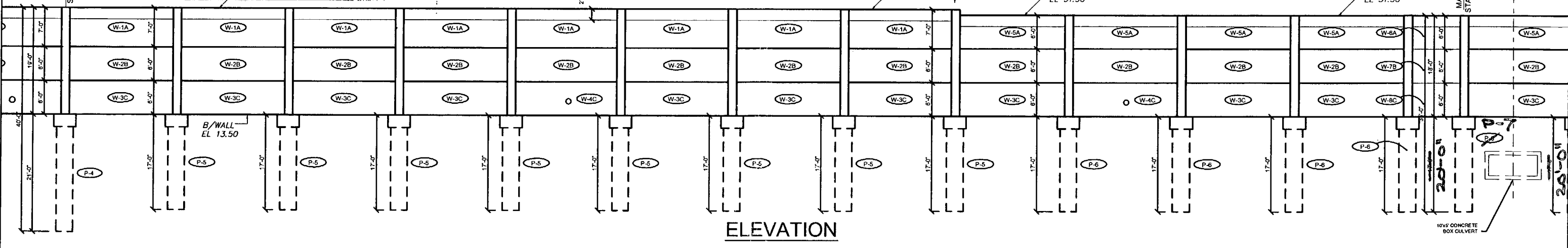
Sta. 516+59.50 P.I.

CS-SD13 PAGE 3-11

A. APPROVED AS SUBMITTED  
 B. APPROVED AS NOTED  
 C. REVISE AND RESUBMIT  
 D. REJECTED

This review is for general compliance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: MPL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



Rev. No.	Date	Description
1	02/11/08	GENERAL REVISION
2	02/18/08	COMMENTS RECEIVED 02/11/08 - FIRE HOSE LOCATIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-4 DATED 007 AND 1007  
 BW-1 THRU BW-1-4 DATED 1007

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**

C.A. No. 28300 - 12630 Carley St. - Suite 101 - San Antonio, FL 33574  
 Ph: 352/568 - 5311 Fax: 352/568 - 5411 Web: www.florida-engineering.com

**DURATEK**  
 PRECAST TECHNOLOGIES

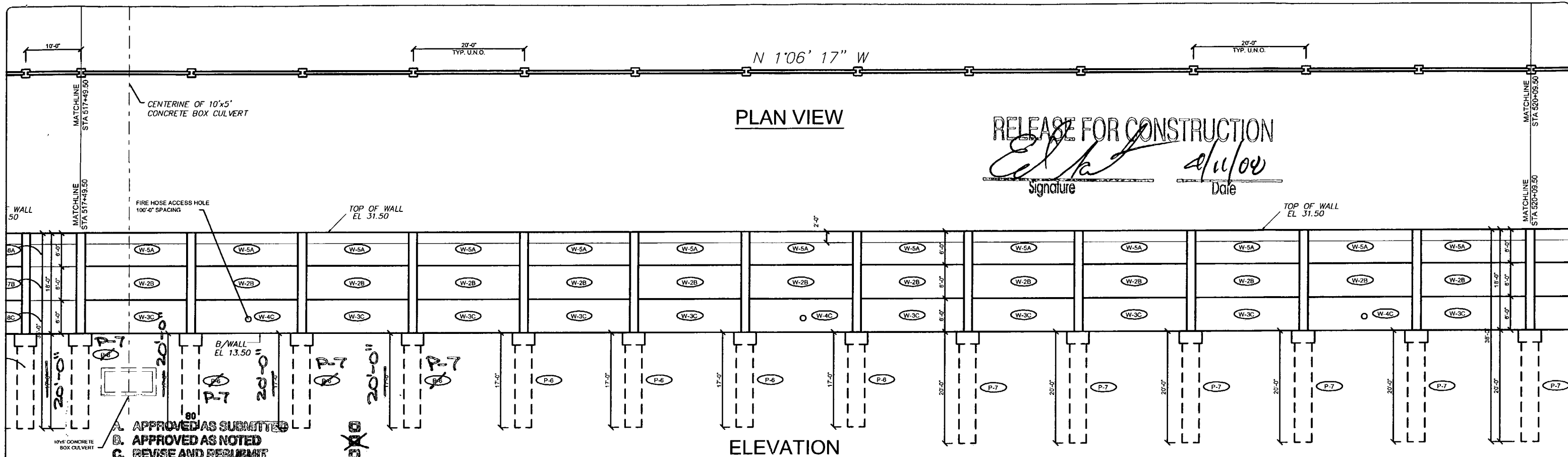
The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls

Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8829  
 Toll Free: 800/754-3841 Ph: 352/790-5244 Fax: 352/790-5933 Website: www.duratek.net

SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
 SHOP DRAWING (STA 512+39.50 - 517+49.50)

SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.3



**RELEASE FOR CONSTRUCTION**  
*[Signature]*  
 Signature  
 2/11/08  
 Date

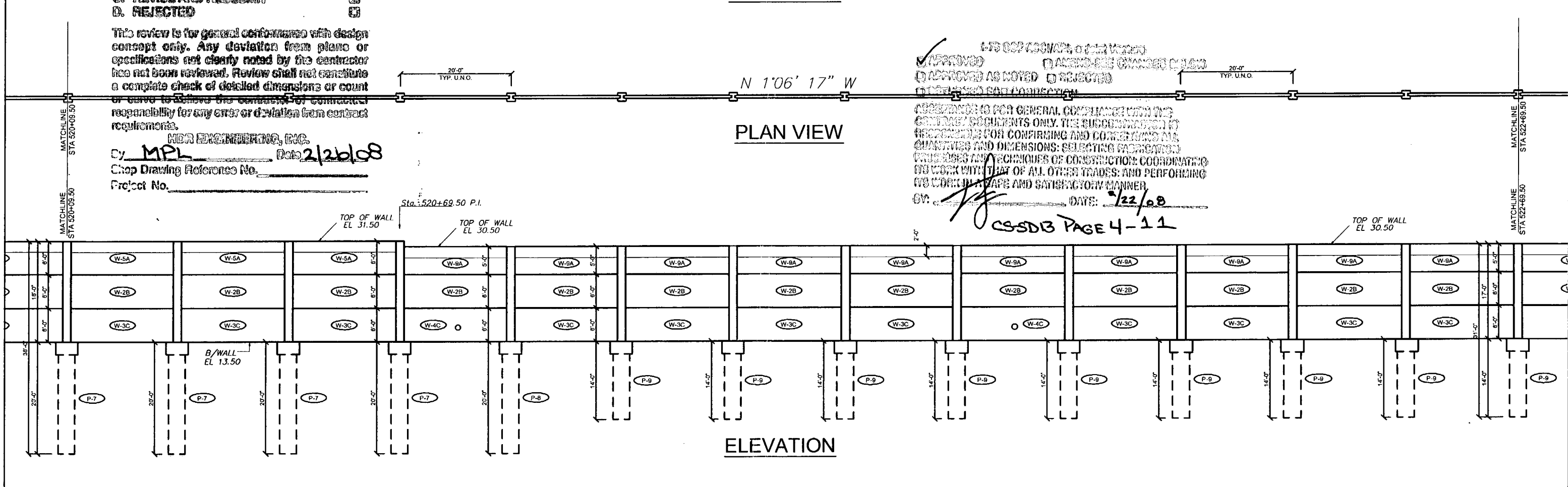
- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count of curbs to achieve the contract or contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By MPL Date 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

- APPROVED
- APPROVED AS NOTED
- REJECTED
- AMEND-BE CHANGES BELOW

REVISION IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 2/22/08  
**CSSDB PAGE 4-11**



Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/18/08	COMMENTS RECEIVED 02/18/08 - FIRE HOSE LOCATIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC.:  
 BW-1 THRU BW-4 DATED 8/01 AND 1/07  
 BW-1 THRU BW-4 DATED 1/07

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33501  
 Ph: 352 / 588 - 0311 Fax: 352 / 588 - 0411 Web: www.florida-engineering.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**The Edge in Perimeter Walls**  
 Concrete Pro-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8629  
 Toll Free: 800-754-3041 Ph: 352/795-6944 Fax: 352/795-5933 Website: www.duratek.net

SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
 SHOP DRAWING (STA 517+49.50 - 522+69.50)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.4



N 1'06' 17" W

### PLAN VIEW

# RELEASE FOR CONSTRUCTION

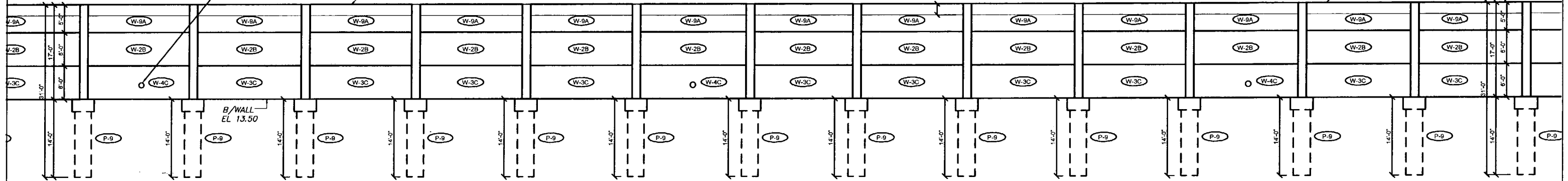
*[Signature]* \_\_\_\_\_  
Signature

4/11/08  
Date

FIRE HOSE ACCESS HOLE  
100'-0" SPACING

TOP OF WALL  
EL. 30.50

TOP OF WALL  
EL. 30.50



### ELEVATION

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED



This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By MPL Date 2/26/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

- APPROVED
- APPROVED AS NOTED
- RETURNED FOR CORRECTION
- AMEND-SEE CHANGES BELOW
- REJECTED

APPROVED IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY.

DATE: 2/23/08

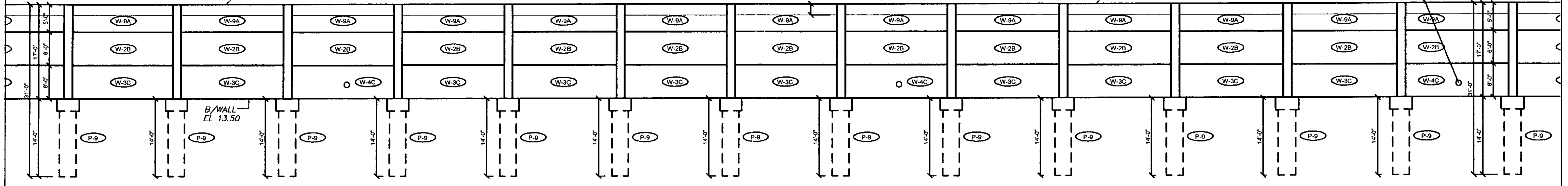
## CS-SD3 PAGE 5-11

N 1'06' 17" W

### PLAN VIEW

TOP OF WALL  
EL. 30.50

TOP OF WALL  
EL. 30.50



### ELEVATION

Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/11/08	COMMENTS RECEIVED 02/11/08 - FIRE HOSE LOCATIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HDR ENGINEERING, INC.  
BW-1 THRU BW-6 DATED 8/27 AND 10/07  
BW-1-1 THRU BW-1-4 DATED 10/07

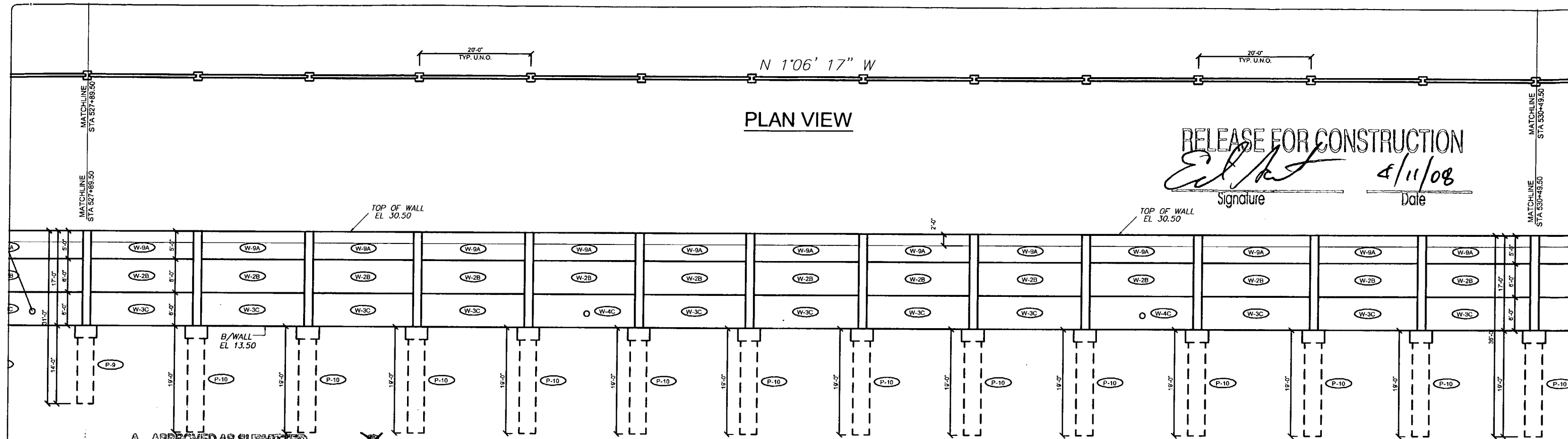
Drawn By: R.M.  
Date: 12/21/07  
Checked By: J.A.H.  
Date: 01/18/08

**Florida Engineering Solutions**  
C.A. No. 28300 - 12830 Curley Bl. - Suite 101 - San Antonio, FL 33111  
Ph: 352/568-5311 Fax: 352/568-5411 Web: www.florida-engineering.com

February 21st 2008  
John A. Hoy, P.E.  
Florida License Number 50312

**DURATEK**  
PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
Concrete Pro-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8529  
Toll Free: 800/754-3841 Ph: 352/790-6344 Fax: 352/790-6633 Website: www.duratek.net

SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
SHOP DRAWING (STA 522+69.50 - 527+89.50)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
PROJECT NO. 07-2055-701  
SHEET NO. X1.5



**RELEASE FOR CONSTRUCTION**  
*[Signature]*  
 Signature  
 4/11/08  
 Date

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of design calculations or computations or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

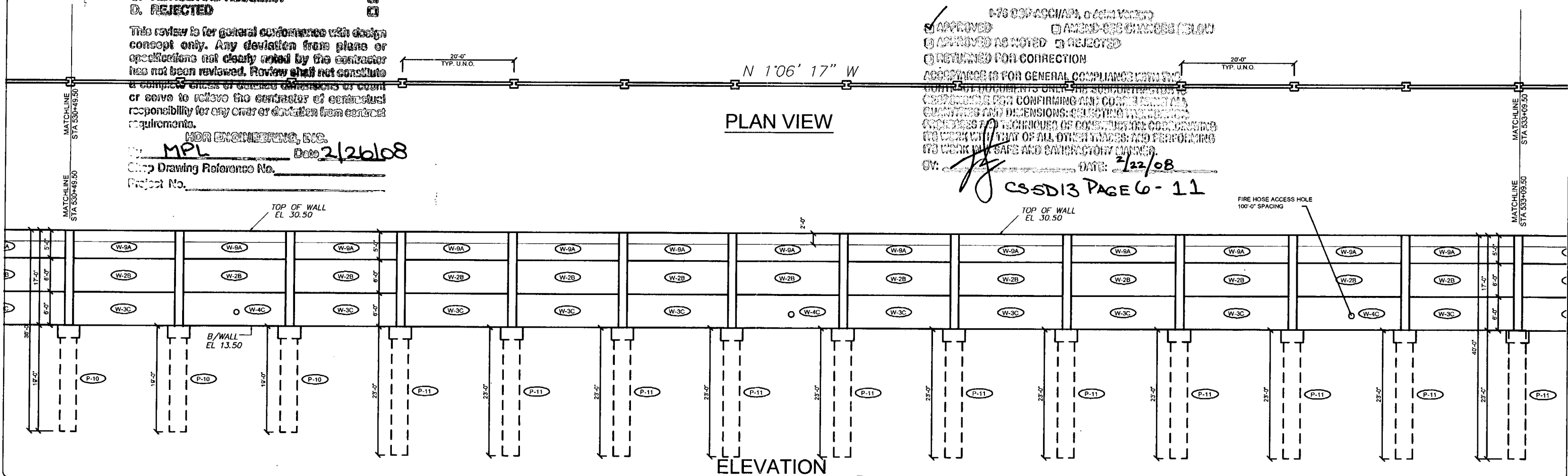
HDR ENGINEERING, INC.

By: MPL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

- APPROVED
- AMEND-SEE CHANGES BELOW
- APPROVED AS NOTED
- REJECTED
- RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTENTS OF DOCUMENTS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING THE BEST METHODS AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 2/22/08  
**CS5D13 PAGE 6-11**



Rev. No.	Date	Description
1	04/11/08	GENERAL REVISION COMMENTS RECEIVED FROM FIRE HOSE LOCATIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 8/07 AND 10/07  
 BW-1 THRU BW-4 DATED 10/07

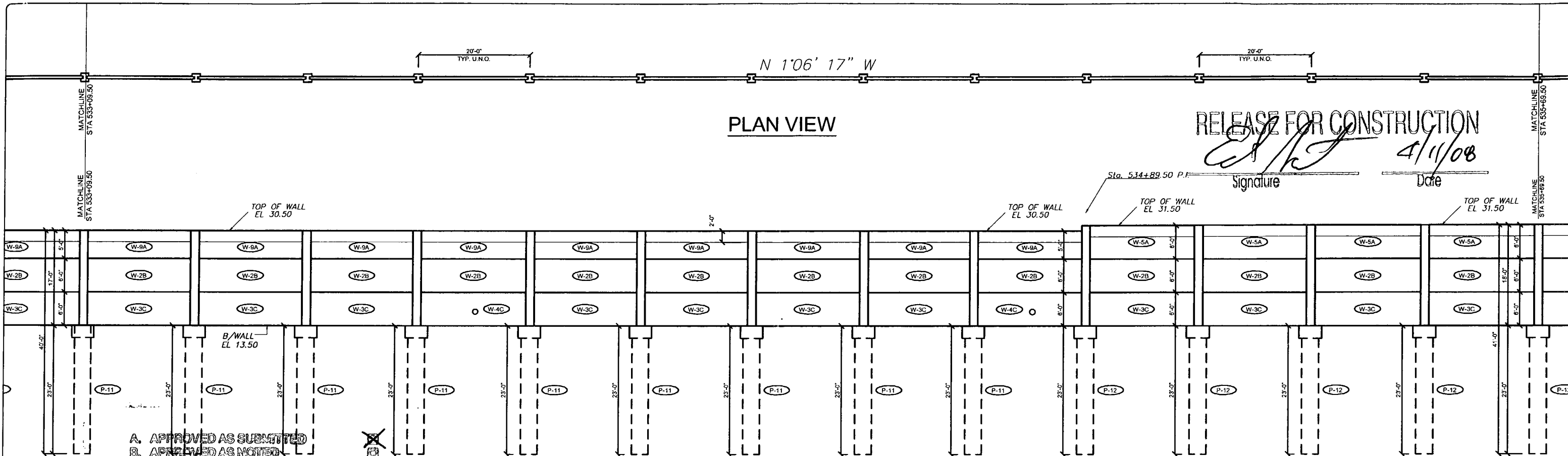
Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**  
 C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33576  
 Ph: 352 / 568 - 5311 Fax 352 / 568 - 5411 Web: www.florida-engineering.com

February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**DURATEK**  
 PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34004-6829  
 Tall Free: 800/764-3641 Ph: 352/766-6044 Fax: 352/766-6033 Website: www.duratek.net

SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
 SHOP DRAWING (STA 527+89.50 - 533+09.50)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.6



**RELEASE FOR CONSTRUCTION**  
*[Signature]* 4/11/08  
 Signature Date

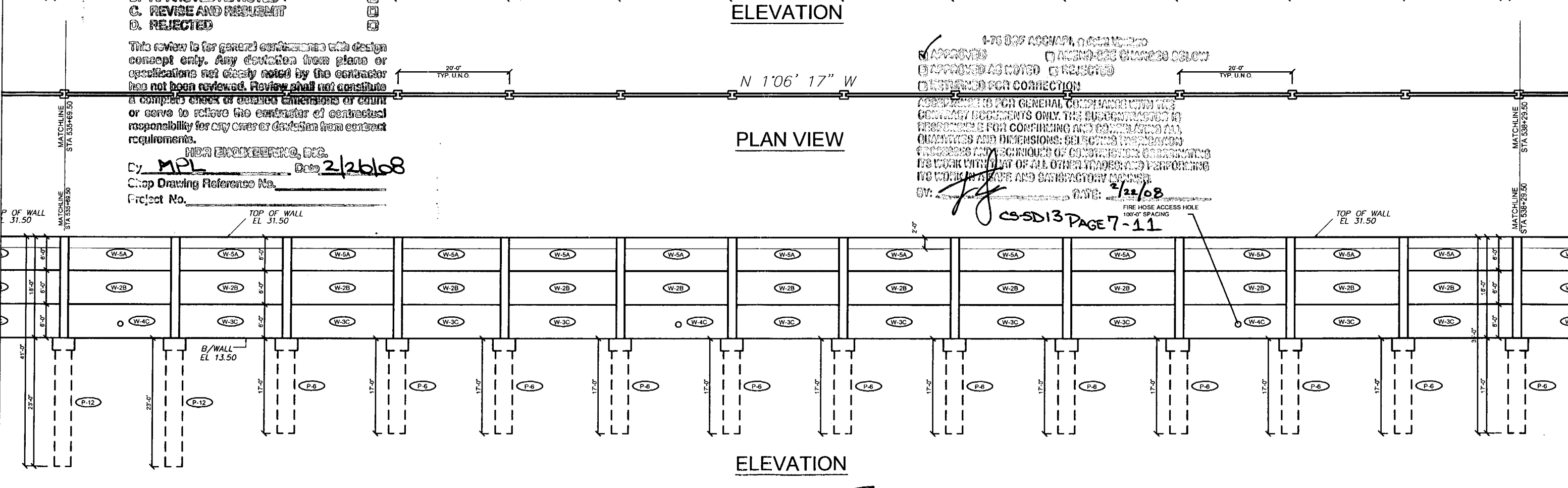
- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of contract dimensions or count or serve to relieve the contractor of contractual responsibility for any errors or deviation from contract requirements.

HDR ENGINEERING, INC.

By MPL Date 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

1-75 03F ACCIAPL 02/21/08  
 APPROVED  APPROVED AS NOTED  REJECTED  
 DISTURBED FOR CORRECTION  
 APPROVED FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING THE MOST APPROPRIATE METHODS AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 2/22/08  
 CS-SD13 PAGE 7-11



Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/18/08	COMMENTS RECEIVED 02/18/08 - FIRE HOSE LOCATIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 06/7 AND 10/07  
 BW-1 THRU BW-14 DATED 10/07

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

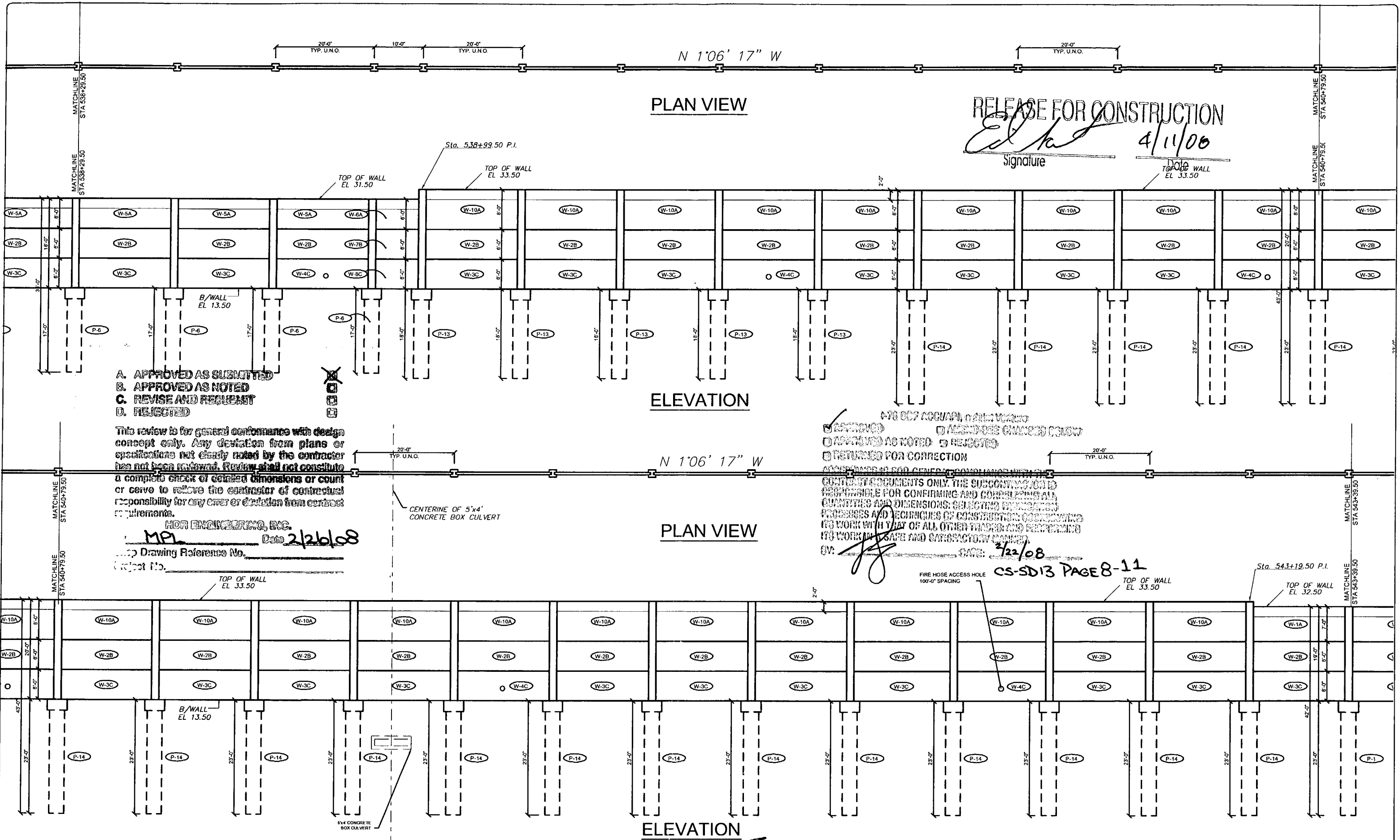
**Florida Engineering Solutions**  
 C.A. No. 28300 - 12630 Curley Bl. - Suite 101 - San Antonio, FL 33501  
 Ph: 352 / 588 - 5311 Fx: 352 / 588 - 6411 Web: www.florida-engineering.com

February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**DURATEK** PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8529  
 Toll Free: 800/764-3841 Ph: 352/796-5844 Fx: 352/796-5833 Website: www.duratek.net

SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
 SHOP DRAWING (STA 533+09.50 - 538+29.50)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.7



PLAN VIEW

ELEVATION

PLAN VIEW

ELEVATION

RELEASE FOR CONSTRUCTION

*Ed. [Signature]* 4/11/06  
Signature Date

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND REQUEST
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of details, dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
MP Date 2/26/08

- APPROVED
- APPROVED AS NOTED
- RETURNED FOR CORRECTION
- REJECTED
- AS NOTED - SEE CHANGES BELOW

DATE: 2/22/08  
CS-SD13 PAGE 8-11

Rev. No.	Date	Description
01/18/08	02/21/08	GENERAL REVISION COMMENTS RECEIVED 02/21/08 - FIRE HOSE LOCATIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC.  
BW-1 THRU BW-6 DATED 06/7 AND 10/07  
BW-1 THRU BW-14 DATED 10/07

Drawn By: R.M.  
Date: 12/21/07  
Checked By: J.A.H.  
Date: 01/18/08

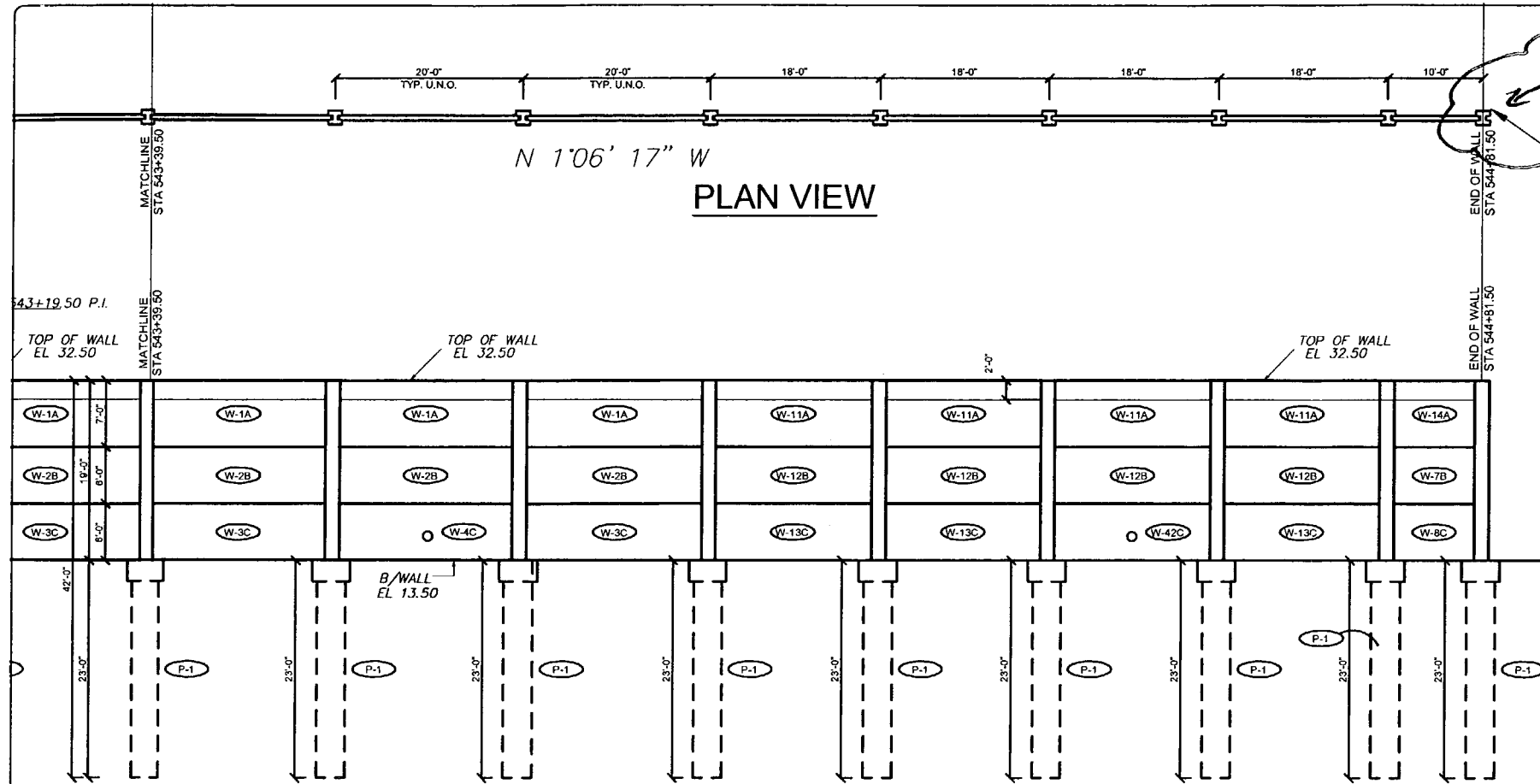
**Florida Engineering Solutions**  
C.A. No. 25300 - 12630 Dunley St. - Suite 101 - San Antonio, FL 33503  
Ph: 352/768-5311 Fax: 352/768-5411 Web: www.florida-engineering.com

February 21st 2008  
John A. Hoy, P.E.  
Florida License Number 55312

**DURATEK** PRECAST TECHNOLOGIES  
The Edge in Perimeter Walls  
Concrete Pro-cast Buffer Walls

Corporate Office Location: 2180 American Flyer Way Brookville, FL 34004-8529  
Toll Free: 800/754-3641 Ph: 352/768-5944 Fax: 352/769-5633 Website: www.duratek.net

N 1'06' 17" W  
**PLAN VIEW**



**ELEVATION**

END SOUND BARRIER WALL 1 (WYNDEMERE)  
 STA. 1042+82.00 @ BW1  
 544+81.50 @ SURVEY I-75  
 130.00' LT

**RELEASE FOR CONSTRUCTION\***  
 Signature: *[Signature]*  
 Date: 4/11/08  
 \* See END Post note.

APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND CONFIRMING ALL DIMENSIONS AND CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS.  
 DATE: 2/22/08

CS-SD13 PAGE 9-11

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: *[Signature]* Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/19/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 06/07 AND 10/07  
 BW1-1 THRU BW1-4 DATED 10/07

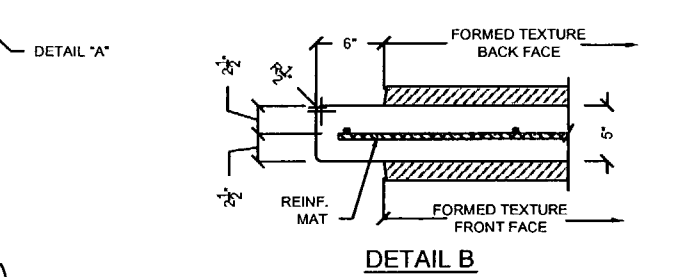
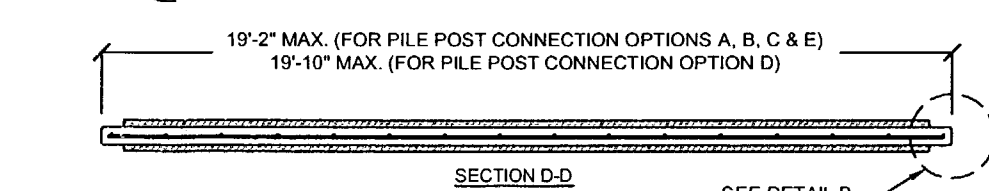
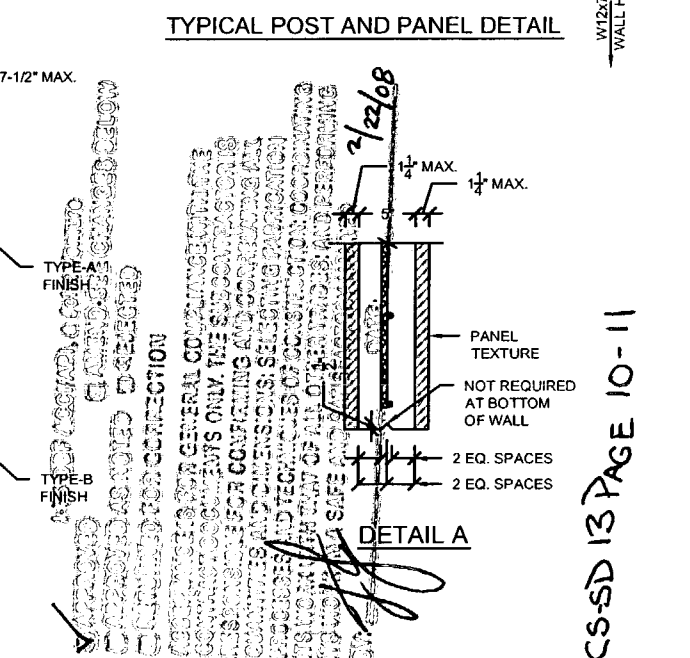
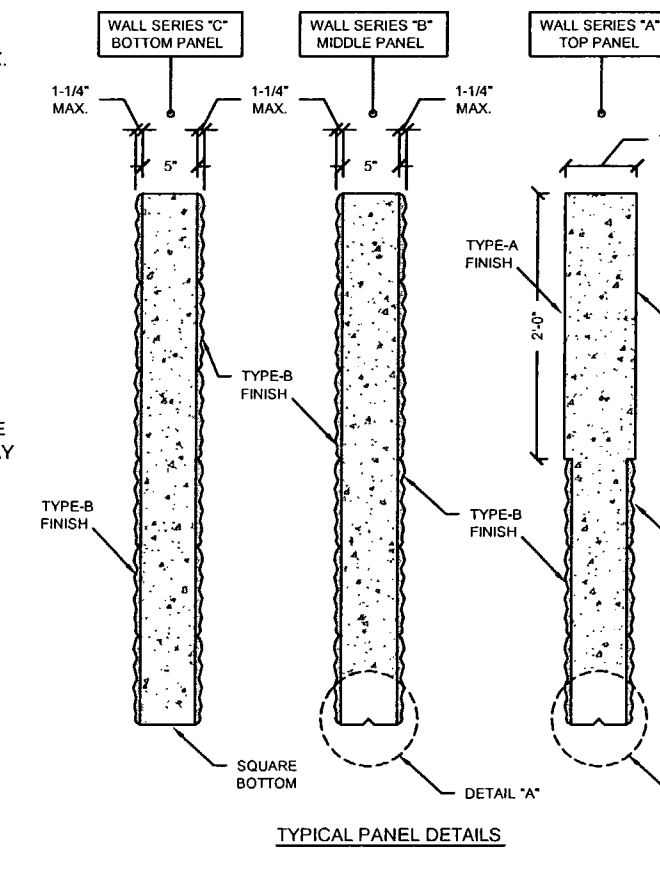
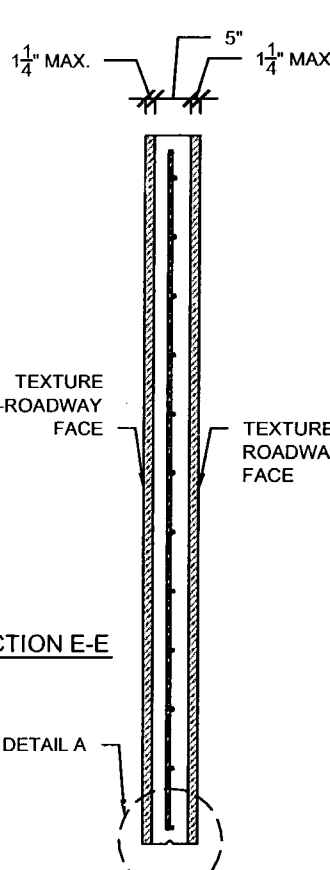
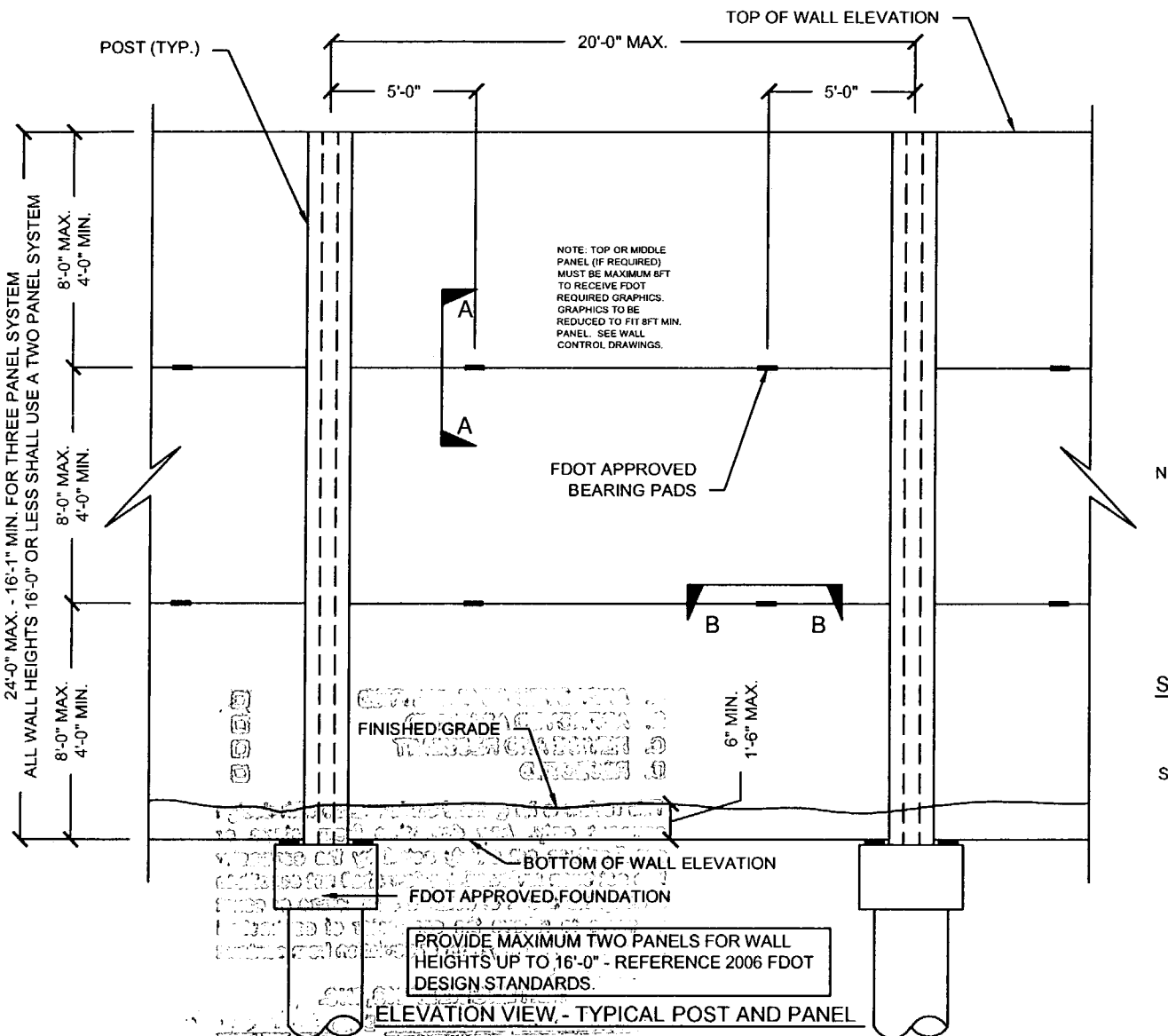
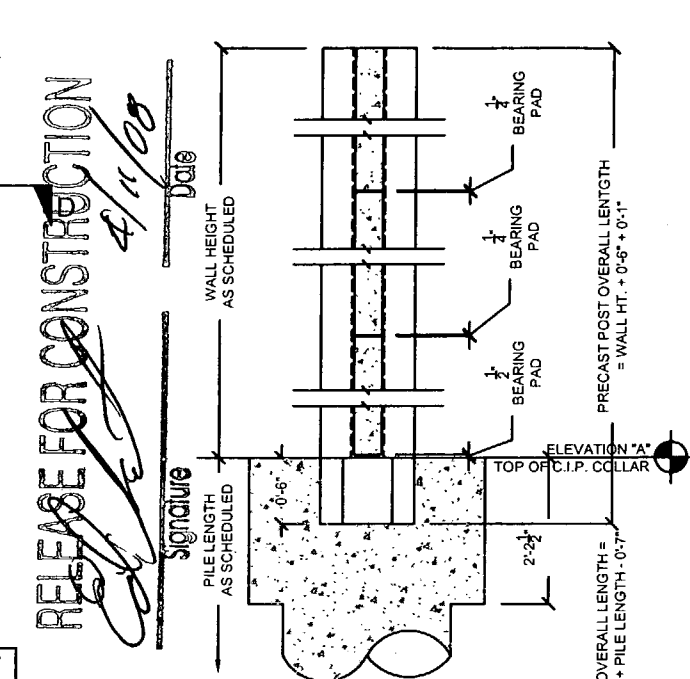
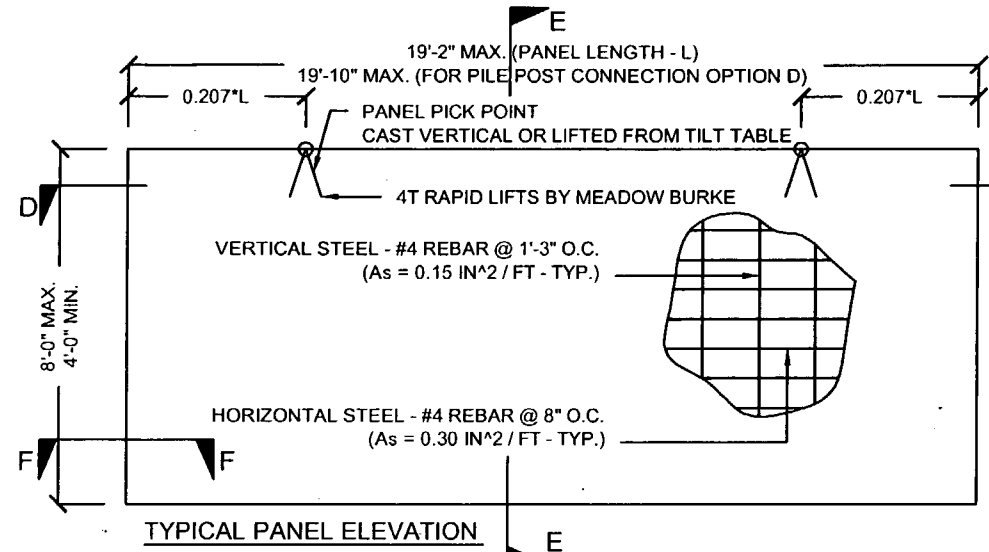
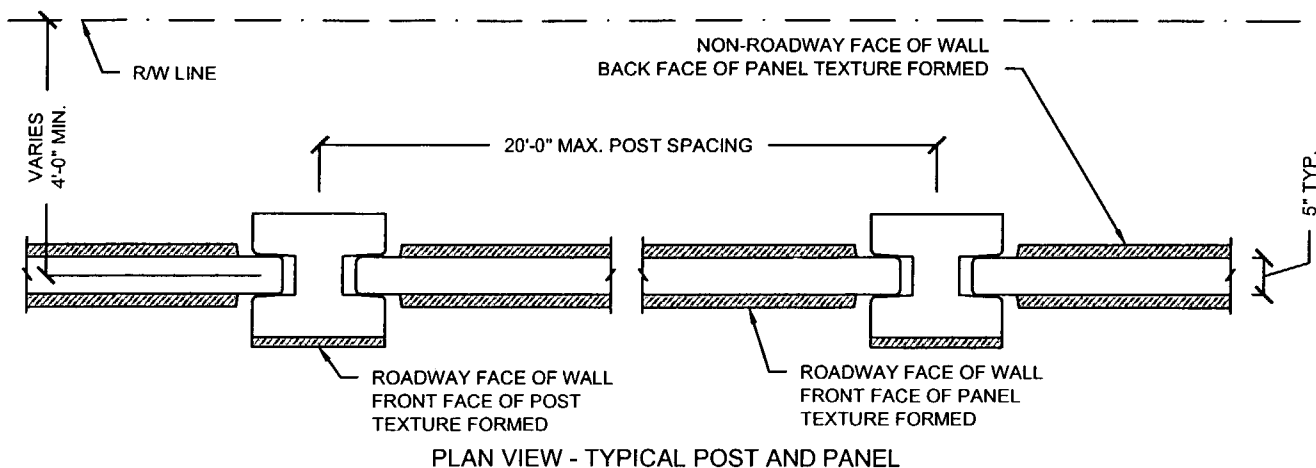
Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering**  
 CONSULTING ENGINEERS  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33578  
 Ph: 352/568-5311 Fax: 352/568-5411 Web: www.florida-engineering.com

February 21st, 2008  
 John A. Hey, P.E.  
 Florida License Number 65312

**DURATEK**  
 PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pro-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34804-8829  
 Toll Free: 800/754-3041 Ph: 352/796-5044 Fax: 352/796-5933 Website: www.duratek.net

SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
 SHOP DRAWING (STA 543+39.50 - 544+81.50 END OF WALL)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.9



<b>GENERAL NOTES</b>		<b>TYPICAL PANELS AND POSTS</b>		<b>GRAPHICS AND TEXTURE DETAILS</b>		<b>FIRE HOSE ACCESS HOLE &amp; DRAINAGE DETAILS</b>		<b>PILE / POST CONNECTION OPTIONS</b>		<b>FOUNDATION DEPTH AND REINFORCING</b>		<b>TYPICAL PANELS AND POSTS</b>	
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5200		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 WITH THE FOLLOWING EXCEPTIONS: 1) MAX PANEL HEIGHT = 8FT, 2) MAX. 1-1/4" FORMED TEXTURE FINISH ON NON-ROADWAY FACE OF WALL.		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5204		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5205 OPTIONS - C		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5206 AND THESE DRAWINGS		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 SECTION F-F	
<b>TEXTURE OPTIONS</b>		<b>SPECIAL PANELS AND POSTS</b>		<b>SECTION 'ELEVATION STEP AT BOTTOM OF WALL'</b>									
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5201		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203		SECTION 'ELEVATION STEP AT BOTTOM OF WALL'									

Rev. No.	Date	Description
1	02/11/08	GENERAL REVISION
2	02/11/08	COMMENTS RECEIVED 02/18/08 - FIRE HOSE LOCATIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 05/7 AND 10/07  
 BW-1 THRU BW-14 DATED 10/07

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering**  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33828  
 Ph: 352 / 688 - 6311 Fax: 352 / 688 - 6411 Web: www.florida-engineering.com

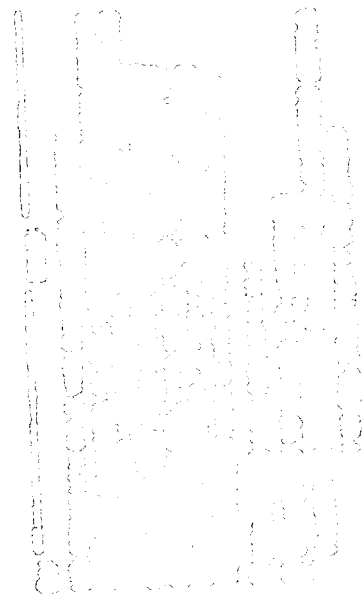
February 21st, 2008  
 John A. Hay, P.E.  
 Florida License Number 65312

**DURATEK**  
 PRECAST TECHNOLOGIES  
 The Edge in Perimeter Walls  
 Concrete Pro-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8829  
 Toll Free: 800/764-3641 Ph: 352/798-6944 Fax: 352/798-6933 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X2.1

CS-SD 13 PAGE 10-11

SEE BACK FOR HDR STAMP  
 MAR 2/26/08



Vertical text or markings, possibly a title or reference number, located at the top left of the page. The text is very faint and difficult to read.

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

MOR ENGINEERING, INC.

By MPL Date 2/26/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (WYNDEMERE)

Duratek Mk No.	Scheduled Pile Length (ft-in)		Scheduled Wall Height (ft-in)		Precast Post Length (ft-in)		W12x79 Overall Length (ft-in)		Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number									Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)	Remarks							
	23	0	19	0	19	7	41	5			X1.1	X1.2	X1.3	X1.4	X1.5	X1.6	X1.7	X1.8	X1.9												
P-1	23	0	19	0	19	7	41	5	Type-A	Type-A	7	15						9	31	607.1	1283.9	1014.3									
P-2	18	0	19	0	19	7	36	5	Type-A	Type-A	19								19	372.1	691.8	546.6									
P-3	24	0	19	0	19	7	42	5	Type-A	Type-A		11	4						15	293.8	656.3	502.6									
P-4	21	0	19	0	19	7	39	5	Type-A	Type-A			10						10	195.8	394.2	311.4									
P-5	17	0	19	0	19	7	35	5	Type-A	Type-A			8						8	156.7	283.3	223.8									
P-6	17	0	18	0	18	7	34	5	Type-A	Type-A			4	X			11	4	X	504.6	998.3	791.6									
P-7	20	0	18	0	18	7	37	5	Type-A	Type-A			X						X	192.4	390.8	360.0									
P-8	20	0	17	0	17	7	36	5	Type-A	Type-A				1					1	17.6	36.4	28.8									
P-9	14	0	17	0	17	7	30	5	Type-A	Type-A				8	26	1			35	615.4	1064.6	841.0									
P-10	19	0	17	0	17	7	35	5	Type-A	Type-A						15			15	263.8	531.3	419.7									
P-11	23	0	17	0	17	7	39	5	Type-A	Type-A						10	9		19	334.1	748.9	591.6									
P-12	23	0	18	0	18	7	40	5	Type-A	Type-A							6		6	111.5	242.5	191.6									
P-13	18	0	20	0	20	7	37	5	Type-A	Type-A									5	102.9	187.1	147.8									
P-14	23	0	20	0	20	7	42	5	Type-A	Type-A							17		17	349.9	721.1	569.7									
											217																	4,089.7	8,099.5	6,398.6	

1-75 D&F ACCMARI, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 3/22/08

CS-SD 13 PAGE 11-11

RELEASE FOR CONSTRUCTION  
[Signature] 4/11/08  
 Signature Date

DURATEK PRECAST WALL PANEL SCHEDULE - SOUND BARRIER WALL (WYNDEMERE)

Duratek Mk No.	Panel Length (ft-in)		Panel Height (ft-in)		Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number									Total Panel Quantity	Total Panel Square Footage	Remarks											
	19	2	7	0				X1.1	X1.2	X1.3	X1.4	X1.5	X1.6	X1.7	X1.8	X1.9														
W-1A	19	2	7	0	5	Type-B	Type-B	26	26	21						1	3	77	10330.8	2ft Type-A Finish at Top										
W-2B	19	2	6	0	5	Type-B	Type-B	26	26	25	26	26	26	26	25	3	209	24035.0												
W-3C	19	2	6	0	5	Type-B	Type-B	21	21	20	21	20	21	21	20	2	167	19205.0												
W-4C	19	2	6	0	5	Type-B	Type-B	5	5	5	5	6	5	5	5	1	42	4830.0	Fire Hose Access Hole											
W-5A	19	2	6	0	5	Type-B	Type-B			4	16					17	3	40	4600.0	2ft Type-A Finish at Top										
W-6A	9	2	6	0	5	Type-B	Type-B			1						1		2	110.0	2ft Type-A Finish at Top										
W-7B	9	2	6	0	5	Type-B	Type-B			1						1	1	3	165.0											
W-8C	9	2	6	0	5	Type-B	Type-B			1						1	1	3	165.0											
W-9A	19	2	5	0	5	Type-B	Type-B				10	26	26	9				71	6804.2	2ft Type-A Finish at Top										
W-10A	19	2	8	0	5	Type-B	Type-B									21		21	3220.0	2ft Type-A Finish at Top										
W-11A	17	2	7	0	5	Type-B	Type-B										4	4	480.7	2ft Type-A Finish at Top										
W-12B	17	2	6	0	5	Type-B	Type-B										4	4	412.0											
W-13C	17	2	6	0	5	Type-B	Type-B										3	3	309.0											
W-14A	9	2	7	0	5	Type-B	Type-B										1	1	64.2	2ft Type-A Finish at Top										
W-42C	17	2	6	0	5	Type-B	Type-B										1	1	103.0	Fire Hose Access Hole										
											648																			

A. APPROVED AS SUBMITTED   
 B. APPROVED AS NOTED   
 C. REVISE AND RESUBMIT   
 D. REJECTED   
 This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to release the contractor of contractual responsibility for any error or deviation from contract requirements.  
 BY: MPL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

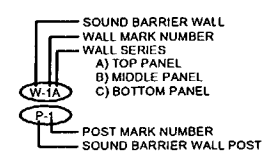


BEGIN SOUND BARRIER WALL 1 (WYNDEMERE)  
 STA. 1000+00.00 A BW1  
 502+00.00 A SURVEY I-75  
 120.00' LT

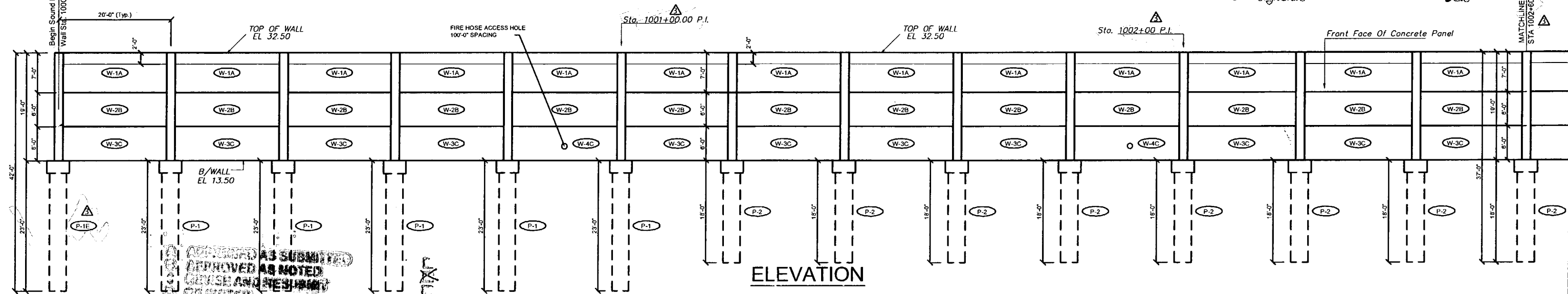
STA. 1002+00.00 A BW1  
 STA. 503+99.50 A SURVEY I-75  
 130.00' LT



PLAN VIEW



**RELEASE FOR CONSTRUCTION**  
 Signature: *[Signature]*  
 Date: 4/25/08



ELEVATION

APPROVED AS SUBMITTED  
 APPROVED AS NOTED  
 REUSE AND RESUBMIT

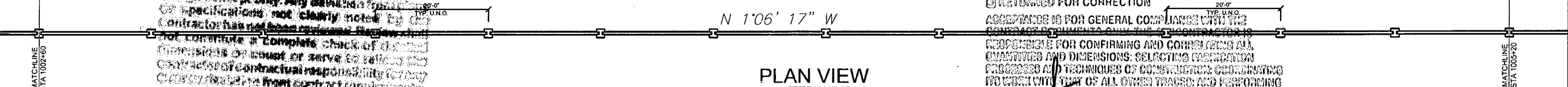
I-75 DBF AG/VIPI, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 4/23/08

Who reviews for general compliance with contract documents only. Any deviations from specifications not clearly noted by the contractor have not been reviewed. Engineer does not constitute a complete check of design. Engineer is not to be held responsible for any errors or omissions from contract requirements.

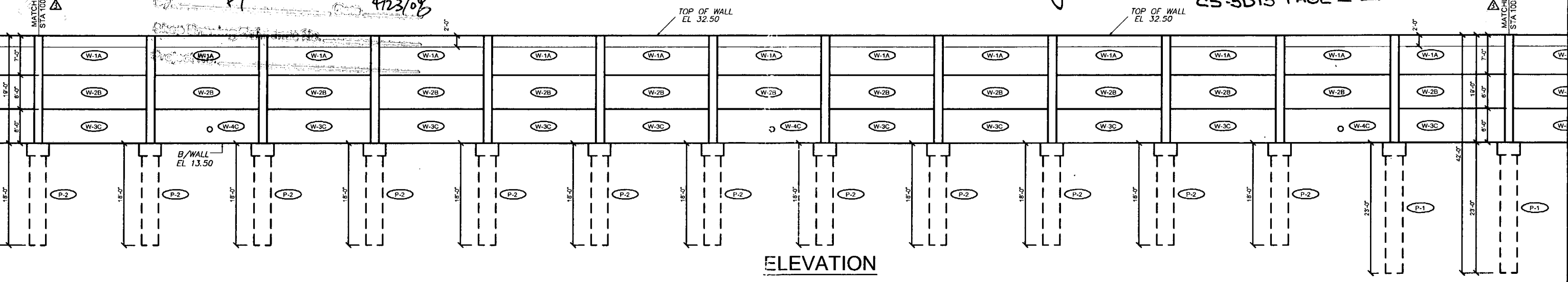
CONFIDENTIAL

DT 4/23/08

CS-SD13 PAGE 1-12



PLAN VIEW



ELEVATION

Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/19/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HOR ENGINEERING, INC.  
 BW-1 THRU BW-4 DATED 8/01 AND 10/07  
 BW-1 THRU BW-4 DATED 10/07

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

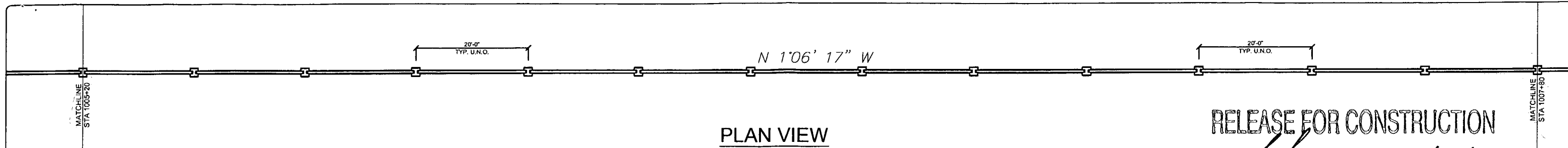
**Florida Engineering**  
 CONSULTANTS  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, TX 78248  
 Ph: 352 / 588 - 5311 Fax: 352 / 588 - 6411 Web: www.florida-engineering.com

April 18, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65412

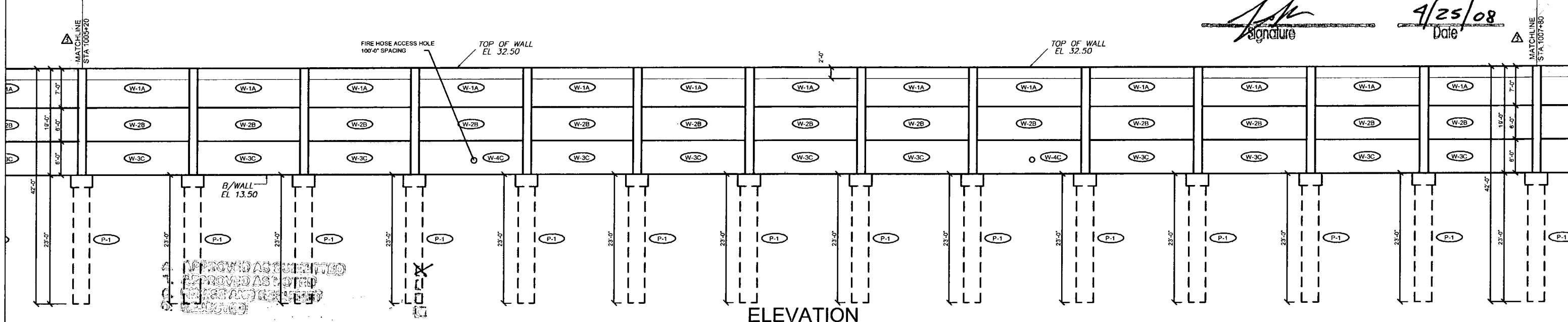
**DURATEK**  
 PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0029  
 Toll Free: 800/754-3641 Ph: 352/795-5944 Fax: 352/795-5933 Website: www.duratek.net

SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
 SHOP DRAWING (STA 502+00.00 - 507+19.50)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

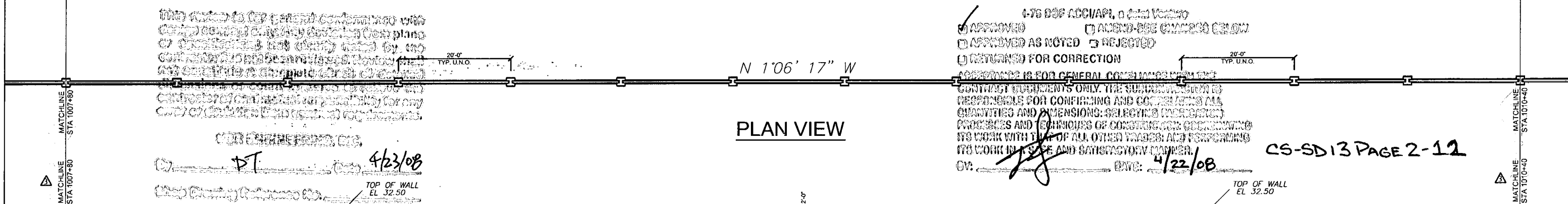
PROJECT NO. 07-2655-701  
 SHEET NO. X1.1



**RELEASE FOR CONSTRUCTION**  
*[Signature]*  
 Date: **4/25/08**



APPROVED AS SUBMITTED  
 APPROVED AS NOTED  
 APPROVED AS NOTED  
 APPROVED AS NOTED

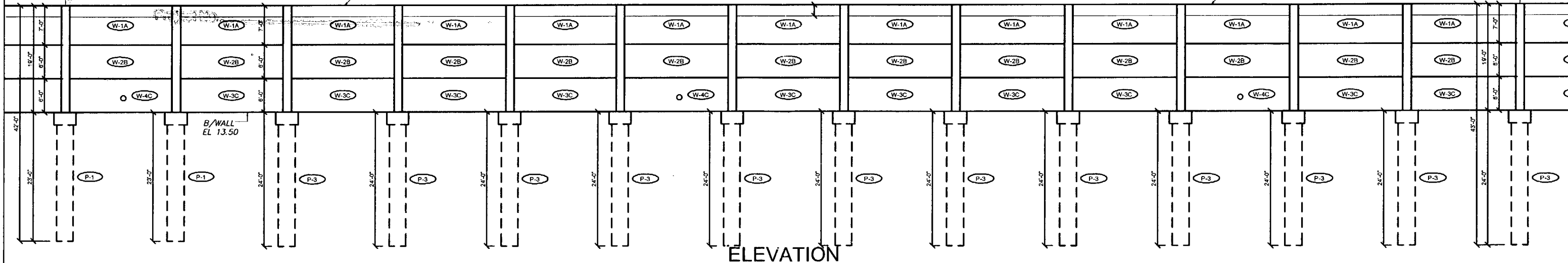


**APPROVED**  **APPROVED AS NOTED**  **APPROVED AS SUBMITTED**  **AMEND - SEE COMMENTS BELOW**   
 **REJECTED**  
 **RETURNED FOR CORRECTION**  
 AGREEMENT IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBMITTER IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING APPROPRIATE PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 DV: *[Signature]* DATE: **4/22/08**

THIS DRAWING IS FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBMITTER IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING APPROPRIATE PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

**FOR ENGINEERING, INC.**  
*[Signature]* **4/23/08**  
 TOP OF WALL EL. 32.50

**CS-SD13 PAGE 2-12**



Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/19/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY FOR ENGINEERING, INC.  
 BW-4 THRU BW-4 DATED 9/7 AND 10/7  
 BW-11 THRU BW-14 DATED 10/7

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

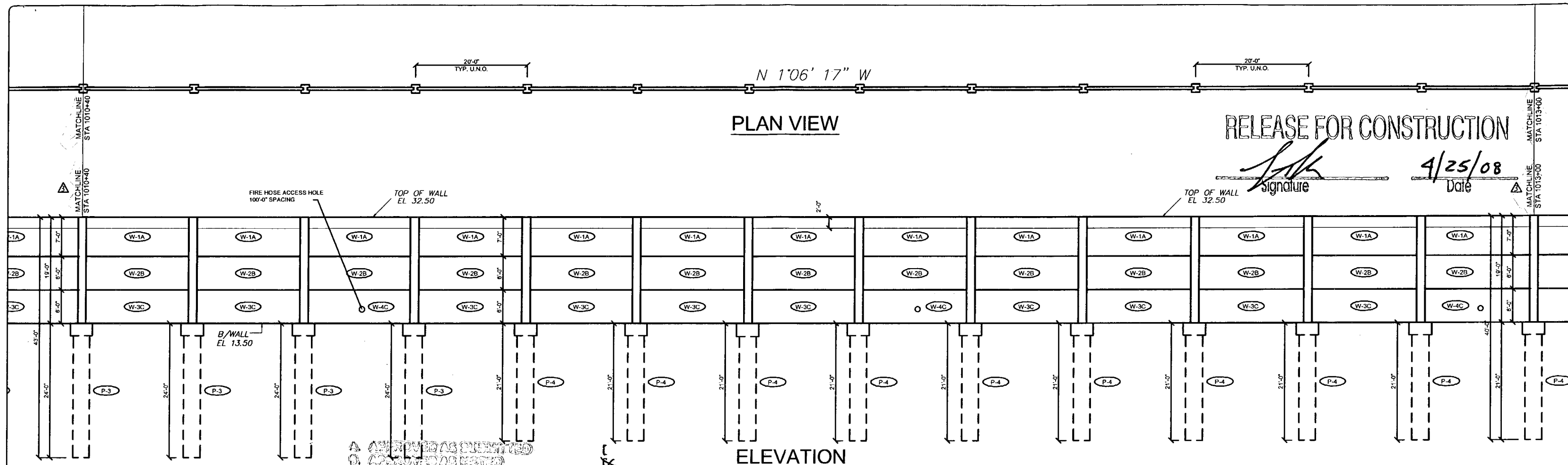
**Florida Engineering Solutions**  
 C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33577  
 Ph: 352 / 568 - 6311 Fx: 352 / 568 - 6411 Web: www.florida-eng.com

*[Signature]*  
 John A. Hoy, P.E.  
 Florida License Number 55312

**DURATEK PRECAST TECHNOLOGIES**  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34004-0829  
 Toll Free: 800/754-3541 Ph: 352/798-5944 Fx: 352/798-5933 Website: www.duratek.net

**SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION**  
 SHOP DRAWING (STA 507+19.50 - 512+39.50)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.2



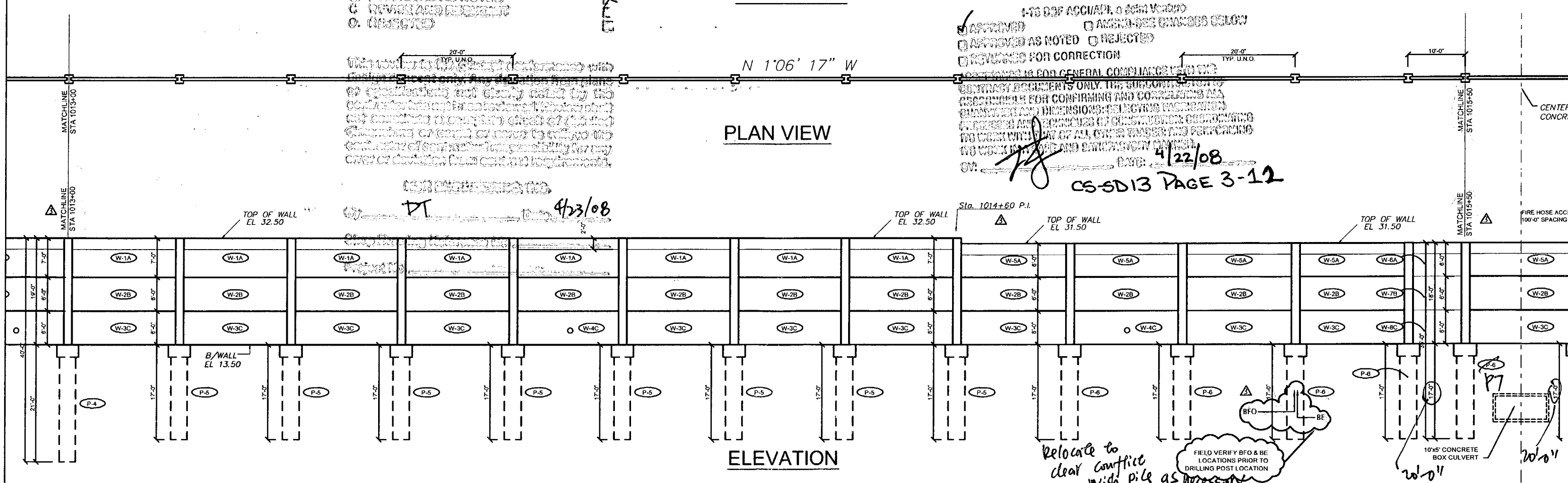
RELEASE FOR CONSTRUCTION  
*[Signature]*  
 Date 4/25/08

A. APPROVED AS SUBMITTED  
 B. APPROVED AS NOTED  
 C. REVISE AND RESUBMIT  
 D. REJECTED

APPROVED  APPROVED AS NOTED  REJECTED   
 RETURNED FOR CORRECTION   
 RETURNED IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBMITTER IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS INCLUDING FACILITIES, METHODS AND SEQUENCES OF CONSTRUCTION, COORDINATING WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING ITS WORK IN ACCORDANCE AND SATISFACTION WITH THE CONTRACT DOCUMENTS.

THIS DRAWING IS THE PROPERTY OF HOK ENGINEERING, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED BY THE CONTRACT DOCUMENTS. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF HOK ENGINEERING, INC.

DATE: 4/22/08  
 CS-SD13 PAGE 3-12



Relocate to clear conflict with pile as necessary  
 FIELD VERIFY BFO & BE LOCATIONS PRIOR TO DRILLING POST LOCATION  
 10'x5' CONCRETE BOX CULVERT  
 20'x11'

Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/19/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HOK ENGINEERING, INC.  
 DW-1 THRU DW-4 DATED 08/7 AND 10/07  
 DW-14 THRU DW-14 DATED 10/07

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

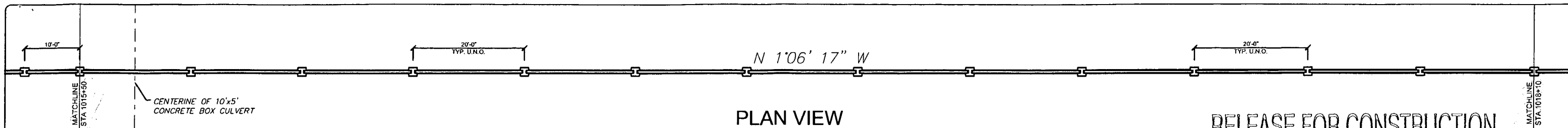
**HOK ENGINEERING**  
 CONSULTANTS  
 C.A. No. 28300 - 12830 Carley St. - Suite 101 - San Antonio, FL 33507  
 Ph: 352 / 688 - 6311 Fax: 352 / 688 - 6411 Web: www.hok.com

April 18, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**DURATEK**  
 PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brookville, FL 34804-8820  
 Toll Free: 800/754-3641 Ph: 352/798-5944 Fax: 352/798-5633 Website: www.duratek.net

SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
 SHOP DRAWING (STA 512+39.50 - 517+49.50)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

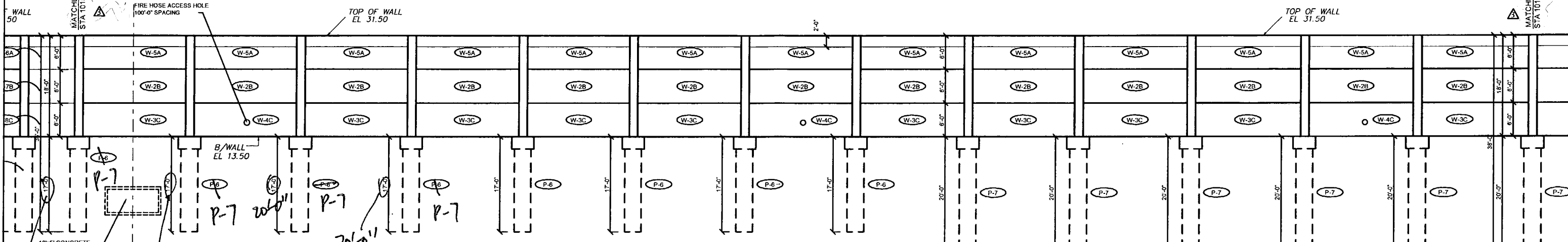
PROJECT NO. 07-2055-701  
 SHEET NO. X1.3



PLAN VIEW

RELEASE FOR CONSTRUCTION

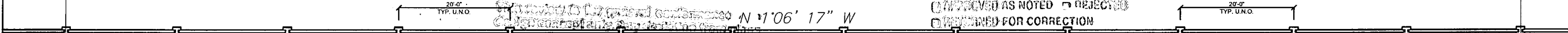
*[Signature]*  
Date 4/25/08



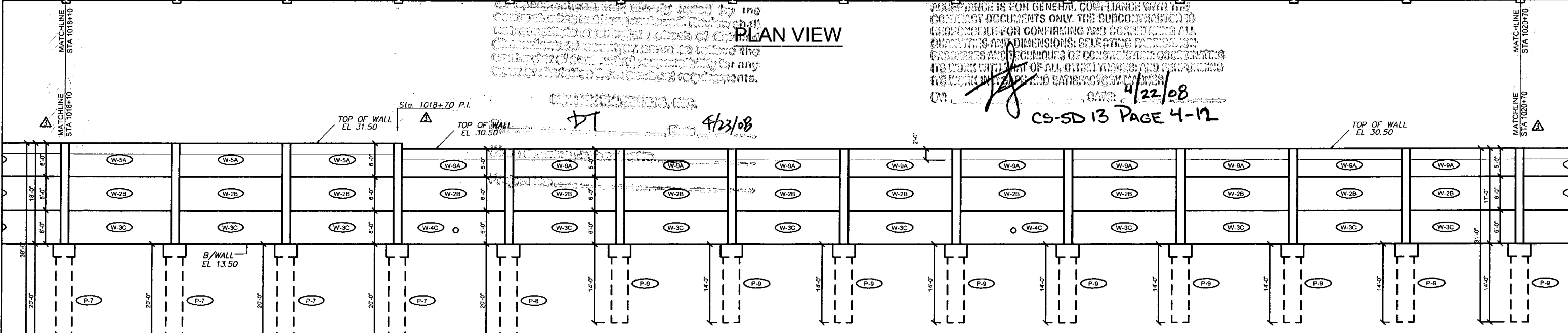
ELEVATION

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 DEFERRED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING PACKAGING PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES; AND RESPONSIBLING HIS WORK IN A SAFE AND SATISFACTORY MANNER.  
 DATE: 4/22/08  
 CS-SD 13 PAGE 4-12



PLAN VIEW



ELEVATION

Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/19/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 DW-1 THRU DW-4 DATED 6/07 AND 10/07  
 DW-11 THRU DW-14 DATED 10/07

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

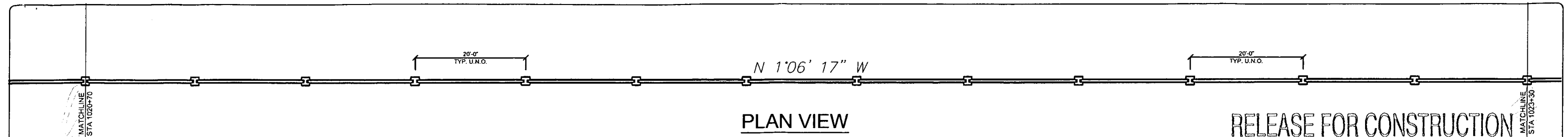


April 18, 2008  
 John A. Hoy, P.E.  
 Florida License Number 55312

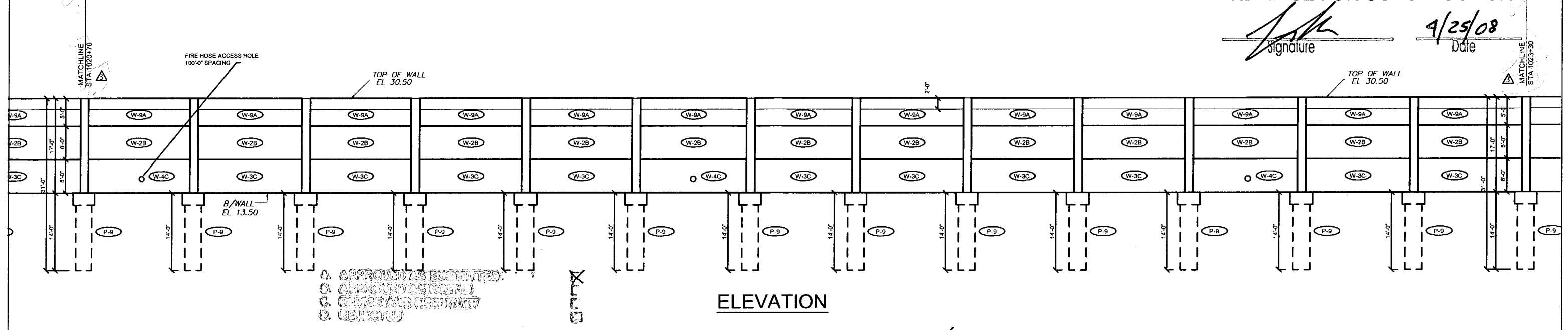


SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
 SHOP DRAWING (STA 517+49.50 - 522+69.50)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.4

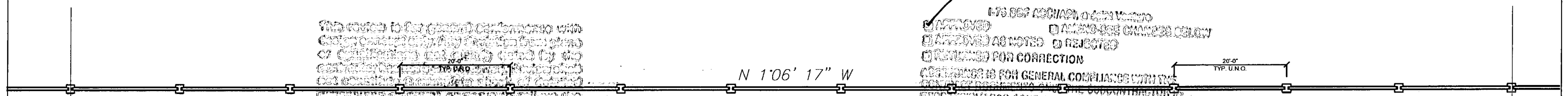


RELEASE FOR CONSTRUCTION  
 Signature: *[Signature]*  
 Date: 4/25/08



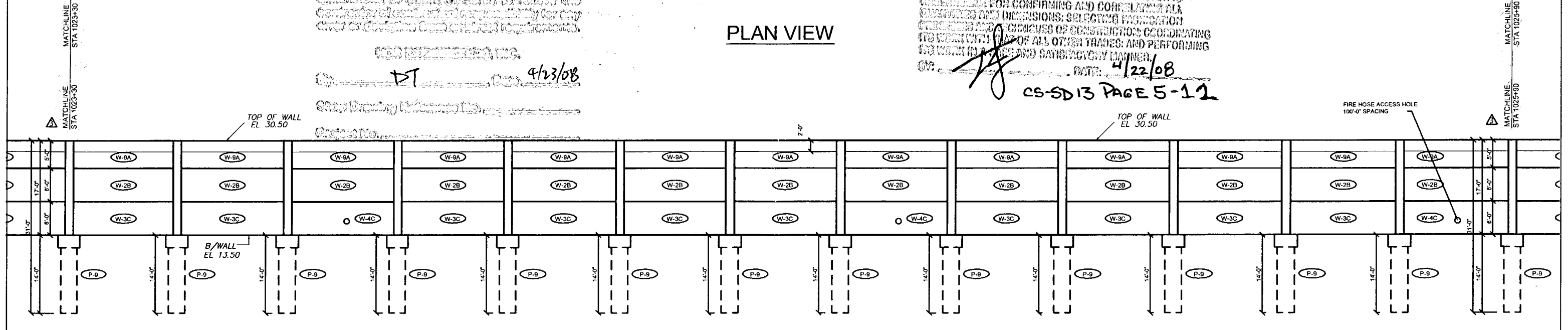
A. APPROVED AS SUBMITTED  
 B. APPROVED AS NOTED  
 C. REVISED AND RESUBMITTED  
 D. REJECTED

This contract is for (general) construction with the contractor to be responsible for the design and construction of all items noted by the contract documents. The contractor shall be responsible for obtaining all necessary permits and for coordinating with all other trades. The contractor shall be responsible for the safety of all workers and the public. The contractor shall be responsible for the quality of all work and for the completion of the project on time and within budget.



I-75 SR 93 FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 APPROVED  
 APPROVED AS NOTED  
 REVISED AND RESUBMITTED  
 REJECTED  
 COMMENTS: IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING PROPER METHODS AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.  
 DATE: 4/22/08  
 CS-SD13 PAGE 5-12

FOR EXPANSION, INC.  
 DT  
 4/23/08  
 Shop Drawing Reference No.  
 Project No.



Rev. No.	Date	Description
1	01/18/07	GENERAL REVISION
2	02/19/07	COMMENTS RECEIVED ON 100' FIRE HOSE LOCATIONS
3	04/15/07	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 097 AND 1007  
 BW-1-1 THRU BW-1-4 DATED 1007

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

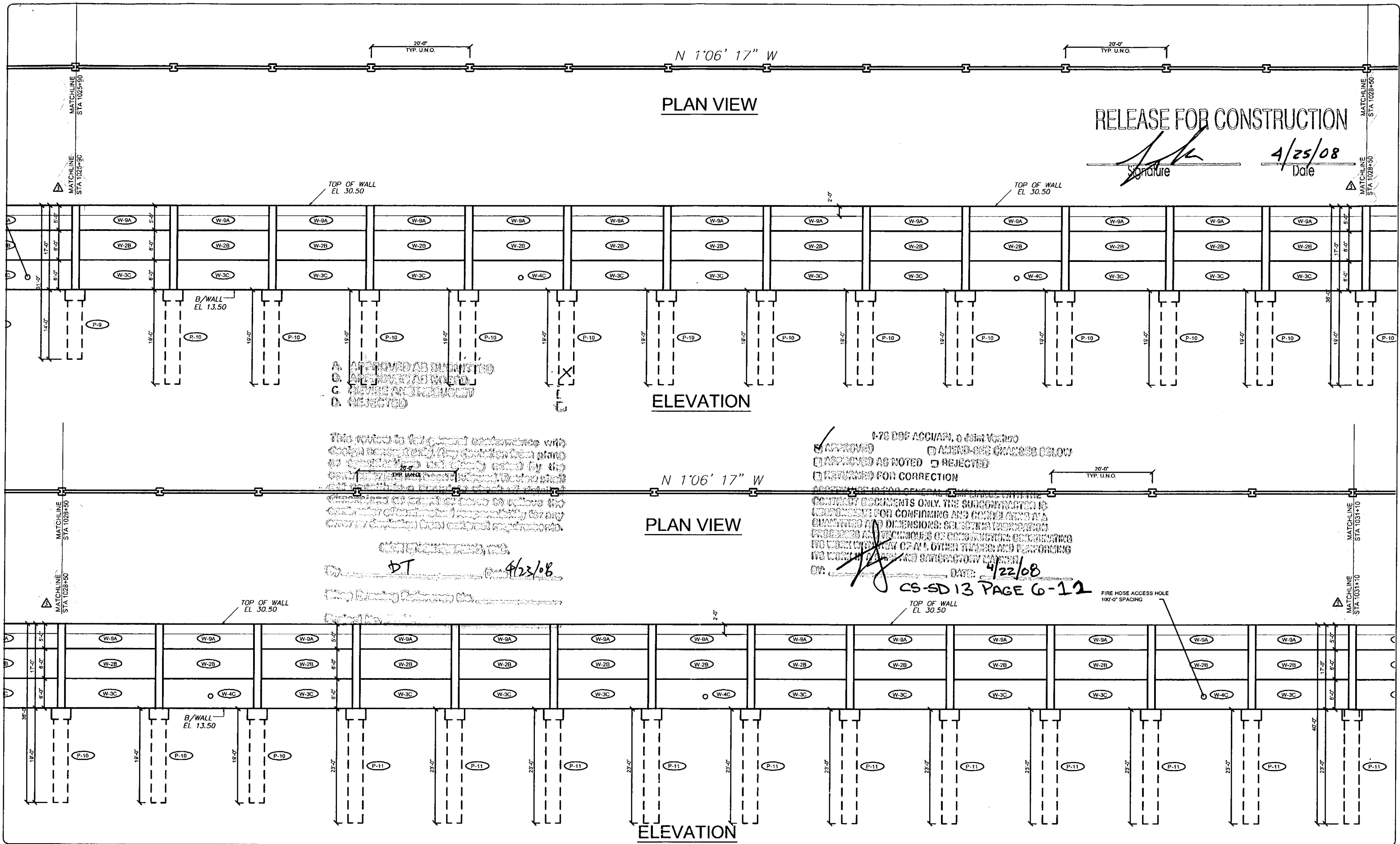
**Florida Engineering Solutions**  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33578  
 Ph: 352/668-6311 Fax: 352/668-6411 Web: www.florida-engineering.com

**BURATEK**  
 PRECAST TECHNOLOGIES  
 John A. Hoy, P.E.  
 Florida License Number 65312

**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0820  
 Tel Fax: 809/754-3841 Ph: 352/768-6944 Fax: 352/768-6933 Website: www.buratek.net

SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
 SHOP DRAWING (STA 522+69.50 - 527+89.50)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.5



RELEASE FOR CONSTRUCTION

Signature: *[Signature]*  
Date: 4/25/08

A. APPROVED AS SUBMITTED  
B. APPROVED AS NOTED  
C. REVISE AND RESUBMIT  
D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications and details noted by the contractor shall be noted on drawings and shall not constitute a consent to construct or release the contractor of liability for any error or omission from contract requirements.

DT  
4/23/08

APPROVED  
APPROVED AS NOTED  
RETURNED FOR CORRECTION  
AMEND-SEE CHANGES BELOW  
REJECTED

CS-SD 13 PAGE 6-12

Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/19/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HDR ENGINEERING, INC.  
BW-1 THRU BW-6 DATED 06/7 AND 10/07  
BW-1 THRU BW-4 DATED 10/07

Drawn By: R.M.  
Date: 12/21/07  
Checked By: J.A.H.  
Date: 01/18/08

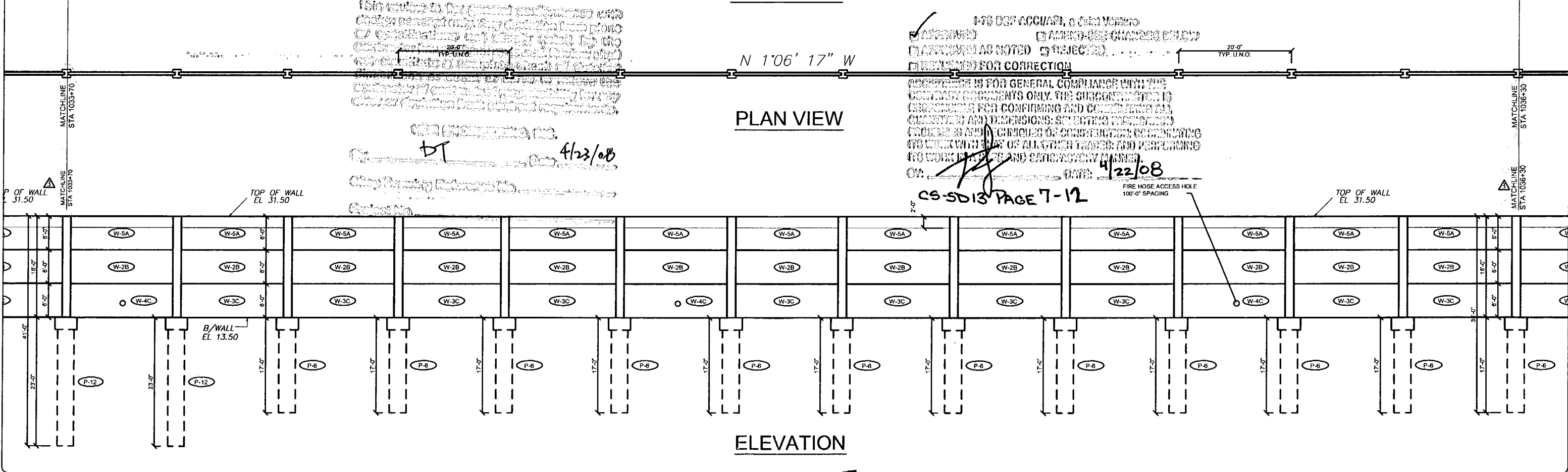
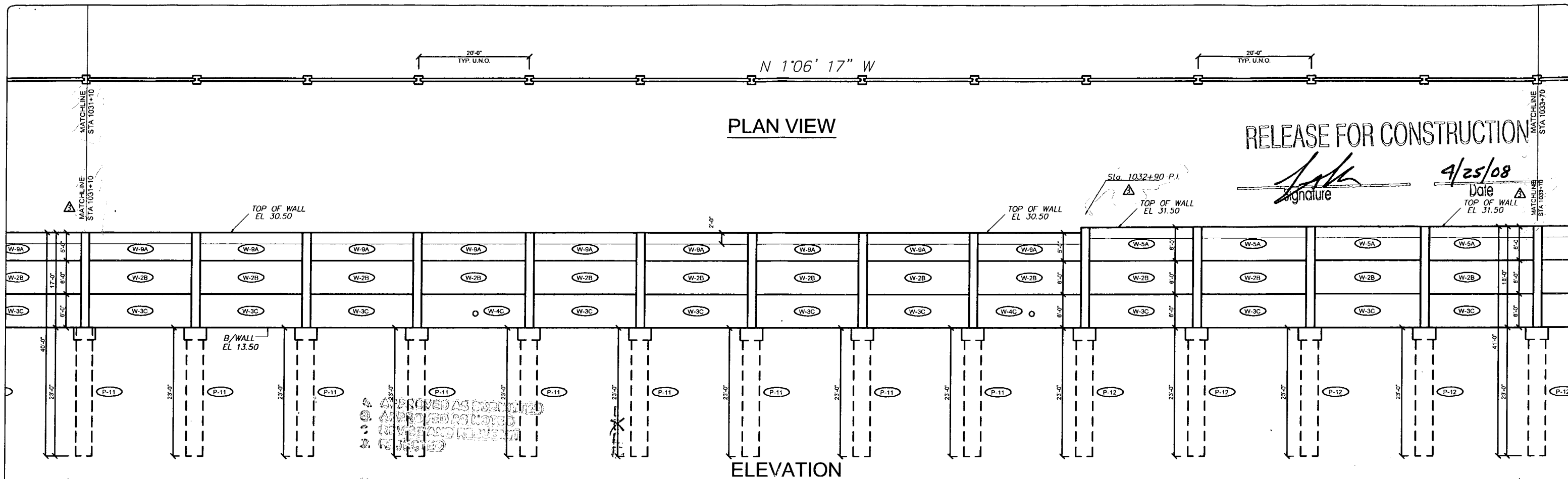
**Florida Engineering Solutions**  
C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33571  
Ph: 352/688-5311 Fax: 352/706-5411 Web: www.florida-engineering.com

April 18, 2008  
John A. Hoy, P.E.  
Florida License Number: 65312

**DURATEK**  
PRECAST TECHNOLOGIES  
The Edge in Perimeter Walls  
Concrete Pre-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
Toll Free: 800/754-3641 Ph: 352/706-5044 Fax: 352/706-5933 Website: www.duratek.net

SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
SHOP DRAWING (STA 527+89.50 - 533+09.50)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO.: 07-2055-701  
SHEET NO.: X1.6



Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/19/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

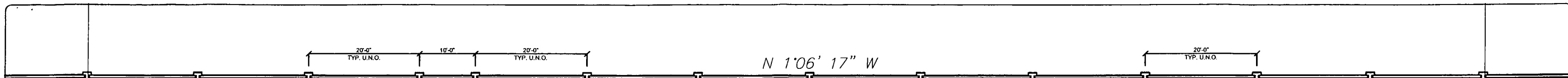
SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS:  
BY HDR ENGINEERING, INC.  
BW-1 THRU BW-4 DATED 06/7 AND 10/07  
DW-1 THRU DW-14 DATED 10/07

Drawn By: R.M.  
Date: 12/21/07  
Checked By: J.A.H.  
Date: 01/18/08

**Florida Engineering Solutions**  
C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33576  
Ph: 352/688-6311 Fax: 352/688-6411 Web: www.florida-engineering.com

**DURATEK**  
The Edge in Perimeter Walls  
Concrete Pre-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
Toll Free: 800/754-3041 Ph: 352/706-5044 Fax: 352/706-6933 Website: www.duratek.net

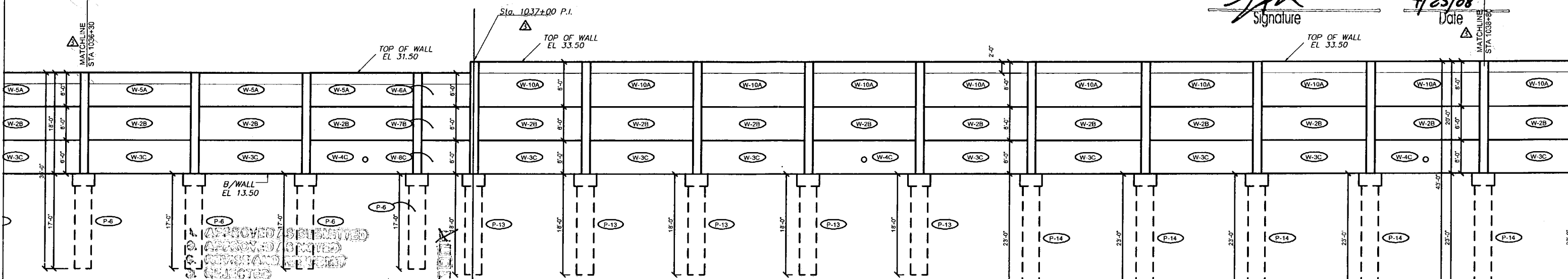
SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
SHOP DRAWING (STA 533+09.50 - 538+29.50)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
PROJECT NO. 07-2055-701  
SHEET NO. X1.7



PLAN VIEW

RELEASE FOR CONSTRUCTION

Signature: *[Signature]*  
Date: 4/25/08



ELEVATION

APPROVED AS NOTED  
APPROVED AS NOTED  
APPROVED AS NOTED  
APPROVED AS NOTED

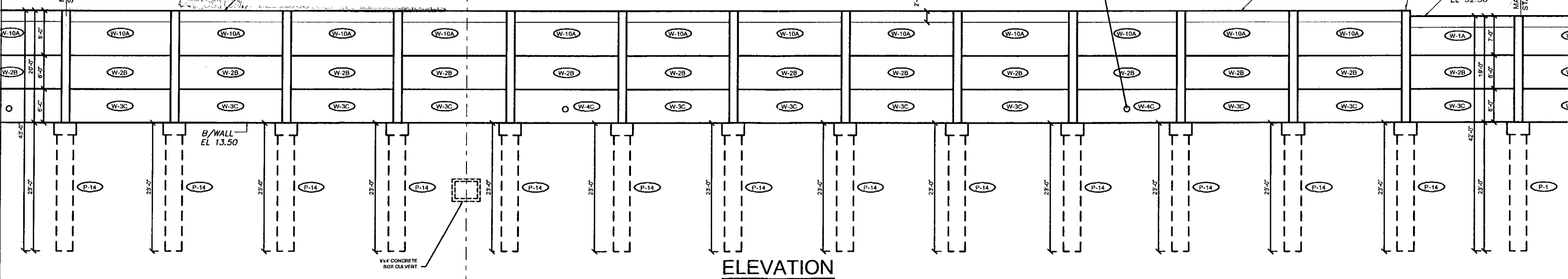
THIS DRAWING IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS, SELECTING PROPER METHODS AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

DATE: 4/23/08

APPROVED  
APPROVED AS NOTED  
RETURNED FOR CORRECTION  
AMEND-SEE CHANGES BELOW  
REJECTED

DATE: 4/22/08

CS-SD13 PAGE 8-12



ELEVATION

Rev. No.	Date	Description
1	01/17/08	GENERAL REVISION
2	02/11/08	COMMENTS RECEIVED 02/10/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HDR ENGINEERING, INC.  
BW-1 THRU BW-8 DATED 06/7 AND 10/07  
BW-11 THRU BW-14 DATED 10/07

Drawn By: R.M.  
Date: 12/21/07  
Checked By: J.A.H.  
Date: 01/18/08

**Florida Engineering**  
C.A. No. 20300 - 12030 Curley St. - Suite 101 - San Antonio, FL 33574  
Ph: 352 / 568 - 5311 Fax: 352 / 568 - 5411 Web: www.florida-engineering.com

John A. Hoy, P.E.  
April 18, 2008  
Florida License Number 65312

**DURATEK**  
PRECAST TECHNOLOGIES

**The Edge in Perimeter Walls**  
Concrete Pre-cast Buffer Walls

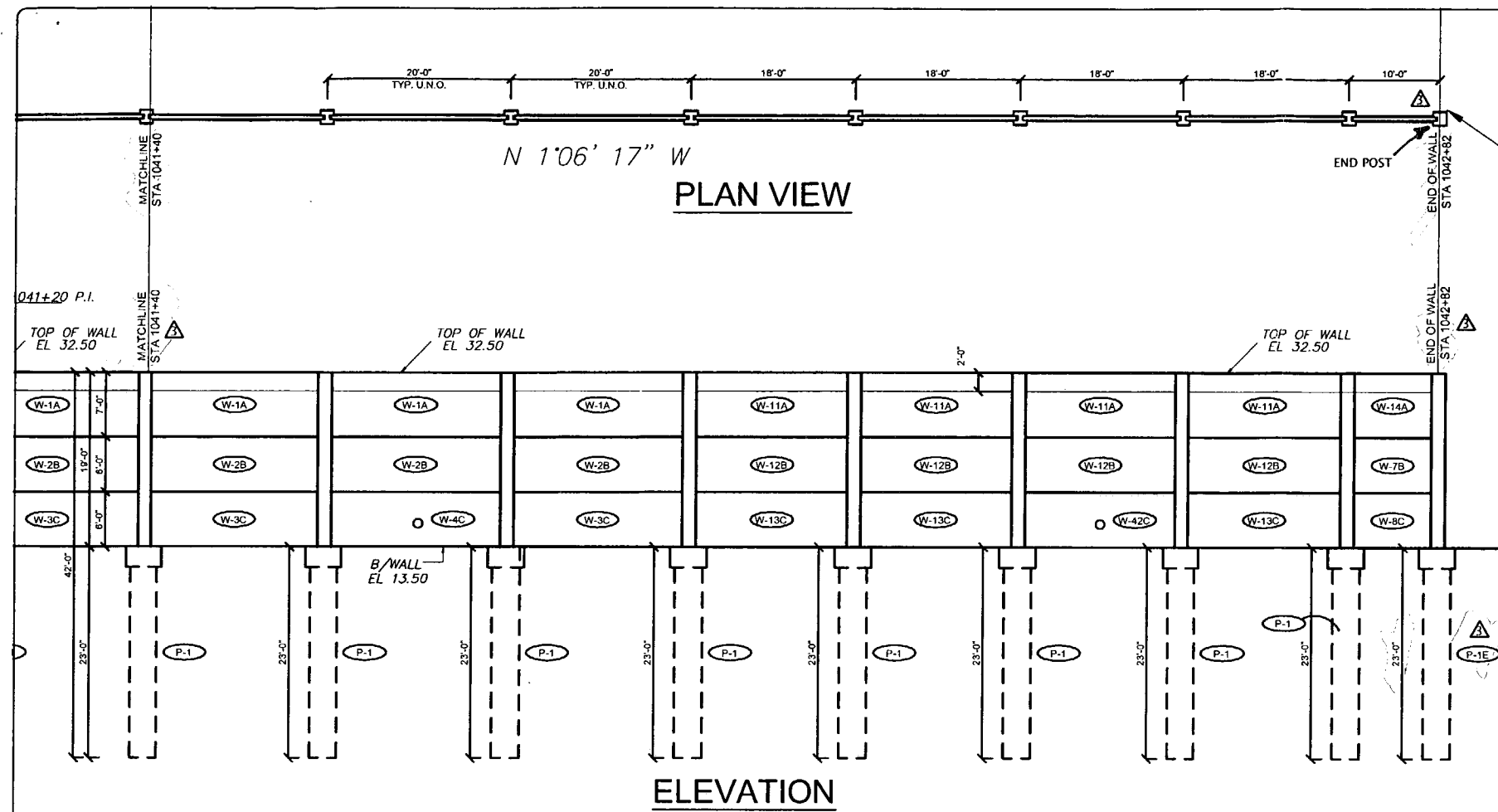
Corporate Office Location: 2180 American Flyer Way Brookville, FL 34004-0829  
Toll Free: 800/754-3041 Ph: 352/700-5944 Fax: 352/700-5933 Website: www.duratek.net

PROJECT NO. 07-2055-701  
SHEET NO. X1.8

SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
SHOP DRAWING (STA 538+29.50 - 543+39.50)

SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD





END SOUND BARRIER WALL 1 (WYNDEMERE)  
 STA. 1042+82.00 @ BW1  
 544+81.50 @ SURVEY I-75  
 130.00' LT

RELEASE FOR CONSTRUCTION  
 Signature: *[Signature]*  
 Date: 9/25/08

APPROVED AS NOTED  
 APPROVED AS NOTED  
 REVIEWED FOR CORRECTION  
 RESPONSIBLE FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS, SELECTING PRODUCTION METHODS AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.  
 DATE: 4/22/08

CS-SD 13 PAGE 9-12

- 1. APPROVED AS SUBMITTED
- 3. APPROVED AS NOTED
- 2. REVISE AND RESUBMIT
- 0. (RECORD)

THIS DRAWING IS THE PROPERTY OF DURATEK PRECAST TECHNOLOGIES, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY NOTED BY THE CONTRACT DOCUMENTS. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF DURATEK PRECAST TECHNOLOGIES, INC.  
 DT 4/23/08

Rev. No.	Date	Description
1	07/18/07	GENERAL REVISION
2	07/19/07	COMMENTS RECEIVED 07/19/07 - FIRE ROSE LOCATIONS
3	07/19/07	GENERAL REVISION

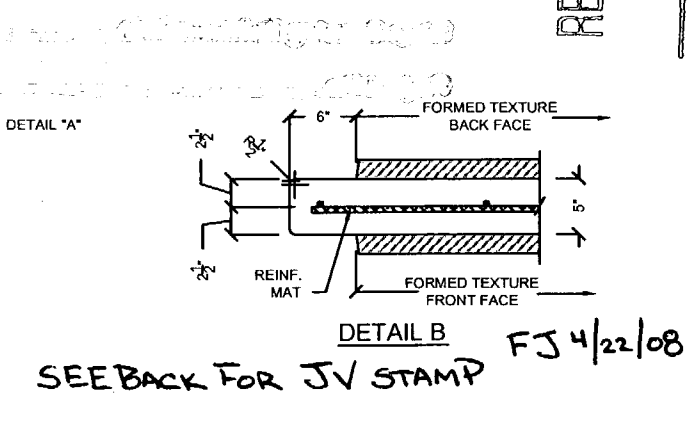
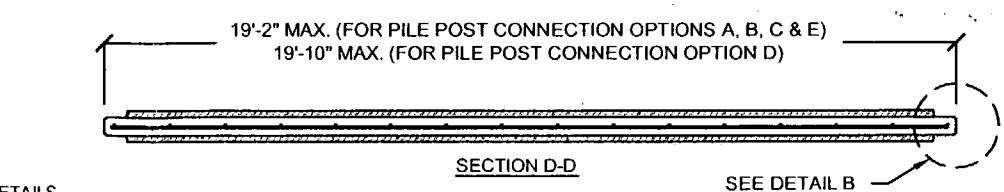
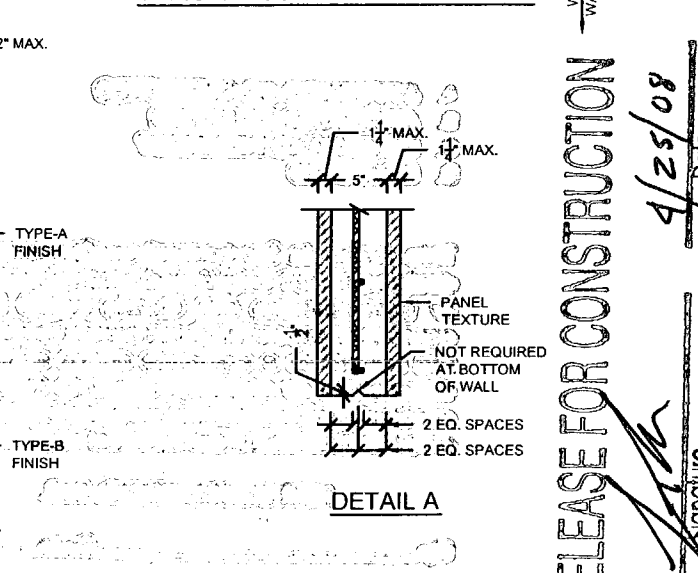
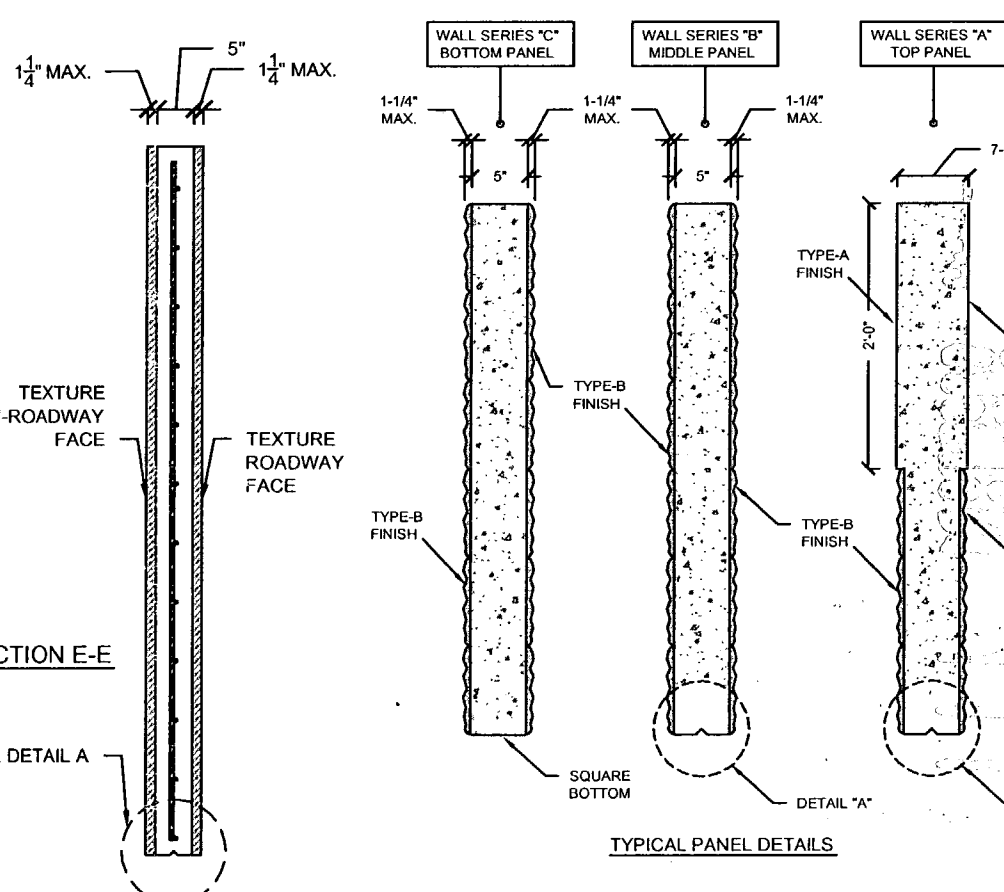
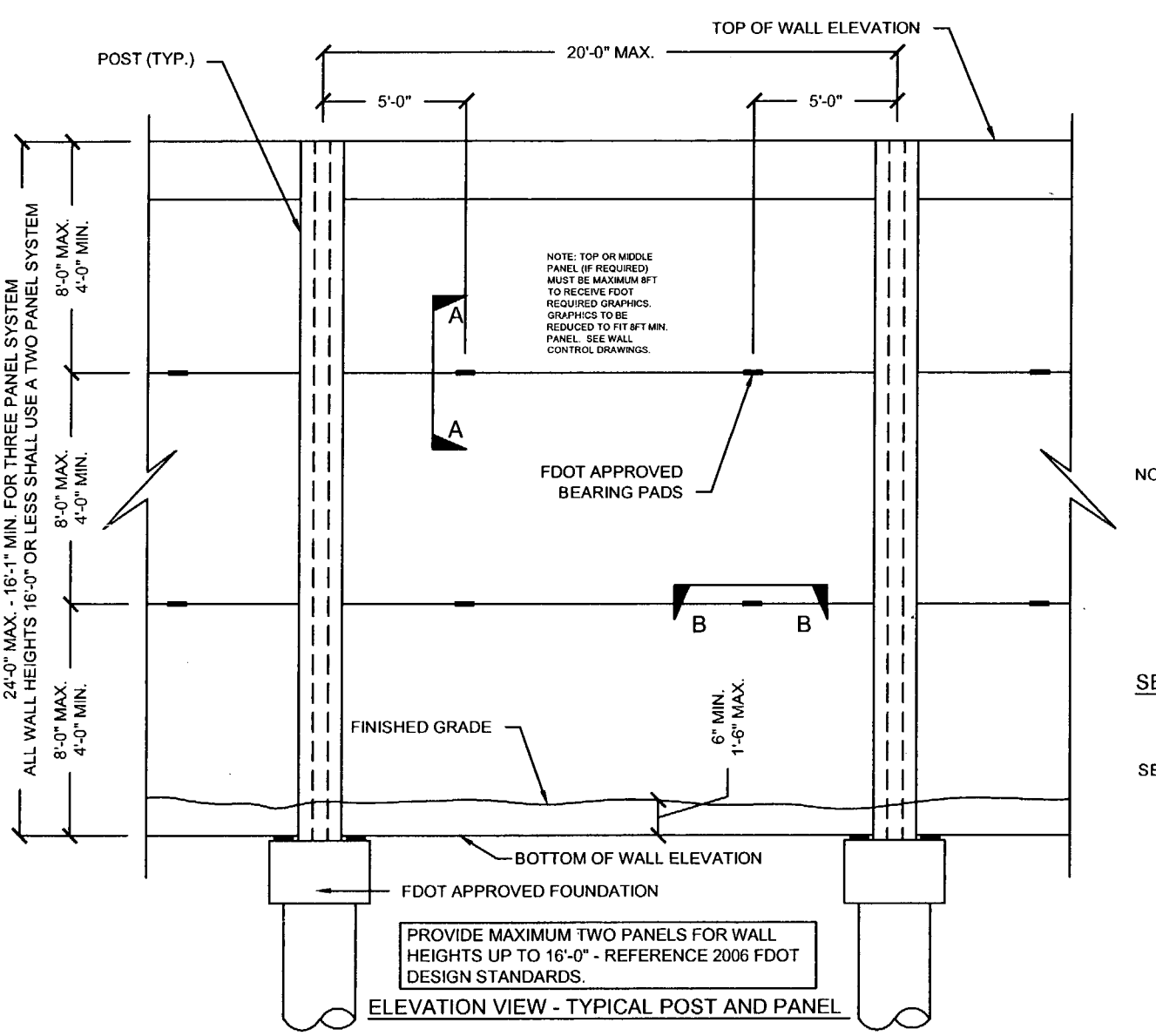
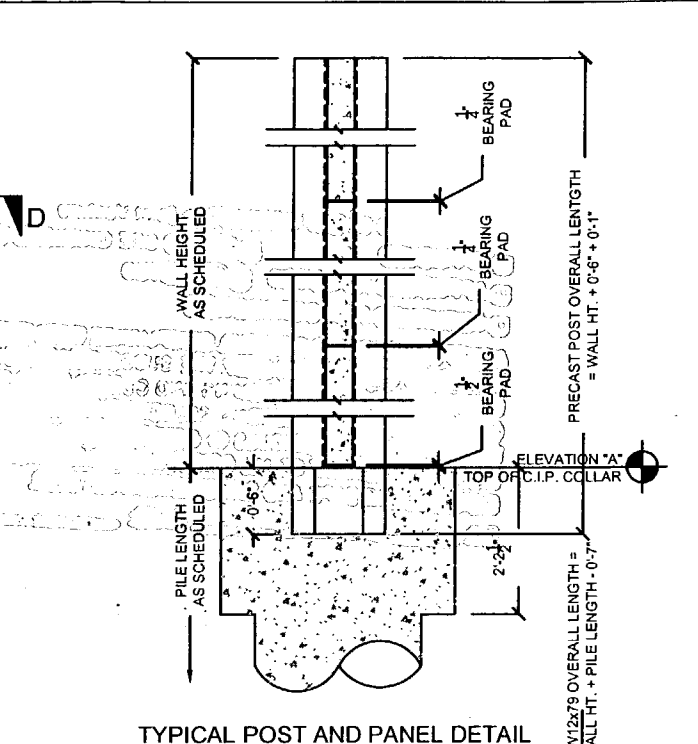
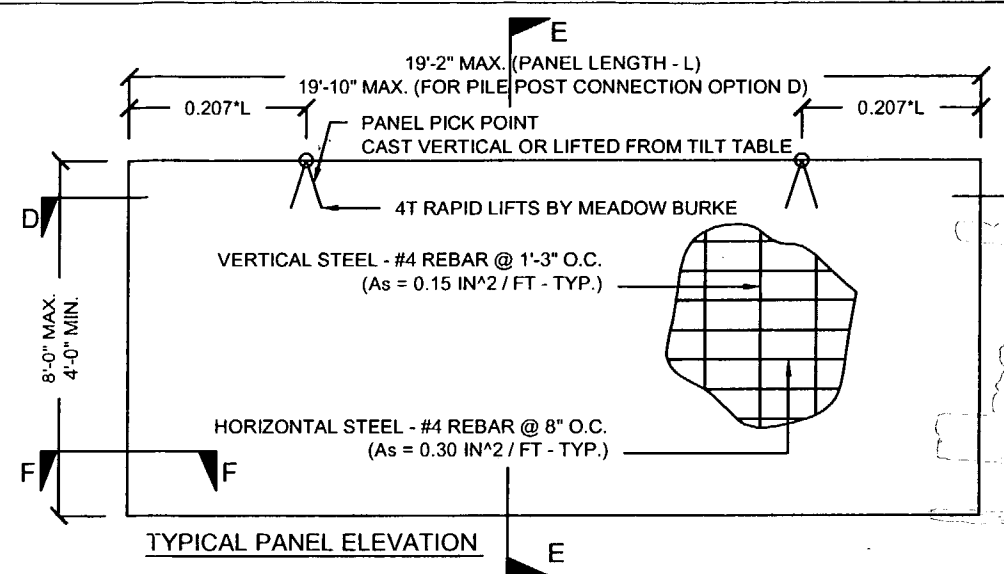
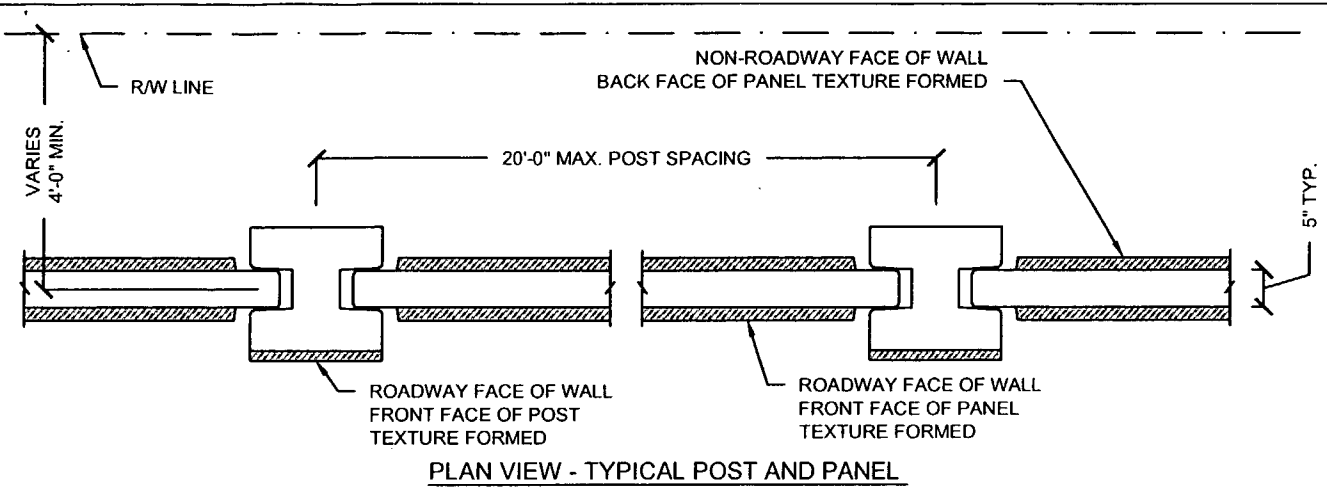
SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HJR ENGINEERING, INC.  
 BW-1 THRU BW-4 DATED 06/07 AND 10/07  
 BW-1-1 THRU BW-1-4 DATED 10/07

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**  
 C.A. No. 28300 • 12630 Curley Bl. - Suite 101 - San Antonio, FL 33576  
 Ph: 352 / 588 - 5311 P: 352 / 588 - 5411 Web: www.florida-engineering.com  
 April 18, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**DURATEK** PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
 Toll Free: 800/754-3841 Ph: 352/795-5944 Fx: 352/795-5933 Website: www.duratek.net

PROJECT NO: 07-2055-701  
 SHEET NO: X1.9  
 SOUND BARRIER WALL 1 (WYNDEMERE) PLAN AND ELEVATION  
 SHOP DRAWING (STA 543+39.50 - 544+81.50 END OF WALL)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD



RELEASE FOR CONSTRUCTION

4/25/08

<b>GENERAL NOTES</b>		<b>TYPICAL PANELS AND POSTS</b>		<b>GRAPHICS AND TEXTURE DETAILS</b>		<b>FIRE HOSE ACCESS HOLE &amp; DRAINAGE DETAILS</b>		<b>PILE / POST CONNECTION OPTIONS</b>		<b>FOUNDATION DEPTH AND REINFORCING</b>		<b>TYPICAL PANELS AND POSTS</b>	
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5200		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 WITH THE FOLLOWING EXCEPTIONS: 1) MAX PANEL HEIGHT = 8FT, 2) MAX. 1-1/4" FORMED TEXTURE FINISH ON NON-ROADWAY FACE OF WALL.		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5204		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5205 OPTIONS - C		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5206 AND THESE DRAWINGS		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 SECTION F-F	
<b>TEXTURE OPTIONS</b>		<b>SPECIAL PANELS AND POSTS</b>		<b>SECTION *ELEVATION STEP AT BOTTOM OF WALL*</b>									
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5201		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203											

Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/19/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 06/1 AND 10/07  
 BW-11 THRU BW-14 DATED 10/07

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

Florida Engineering  
 2018 11 0 2  
 C.A. No. 28300 - 12630 Carley St. - Suite 101 - San Antonio, FL 33024  
 Ph: 352 / 588 - 5311 Fax: 352 / 588 - 5411 Web: www.floridaengineering.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0829  
 Toll Free: 800/754-3641 Ph: 352/766-5844 Fax: 352/766-5933 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X2.1

APPROVED  
 DISAPPROVED  
 COMMENTS:

APPROVED BY: [Signature]  
 DATE: 4/22/08

CS-SD 13 PAGE 10-12

- A. APPROVED
- B. DISAPPROVED
- C. COMMENTS
- D. RELEASED

This matter is for general information only. It is not intended to be a final decision. It is subject to change without notice.

APPROVED BY: [Signature]  
 DATE: 4/23/08

This document is for general information only. It is not intended to be a final decision. It is subject to change without notice.

- 1-75 DBF ACCI/API, a Joint Venture
- APPROVED     AMEND-SEE CHANGES BELOW
- APPROVED AS NOTED     REJECTED
- RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature]    DATE: 4/22/08

CS-SD 13 PAGE 10-12

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

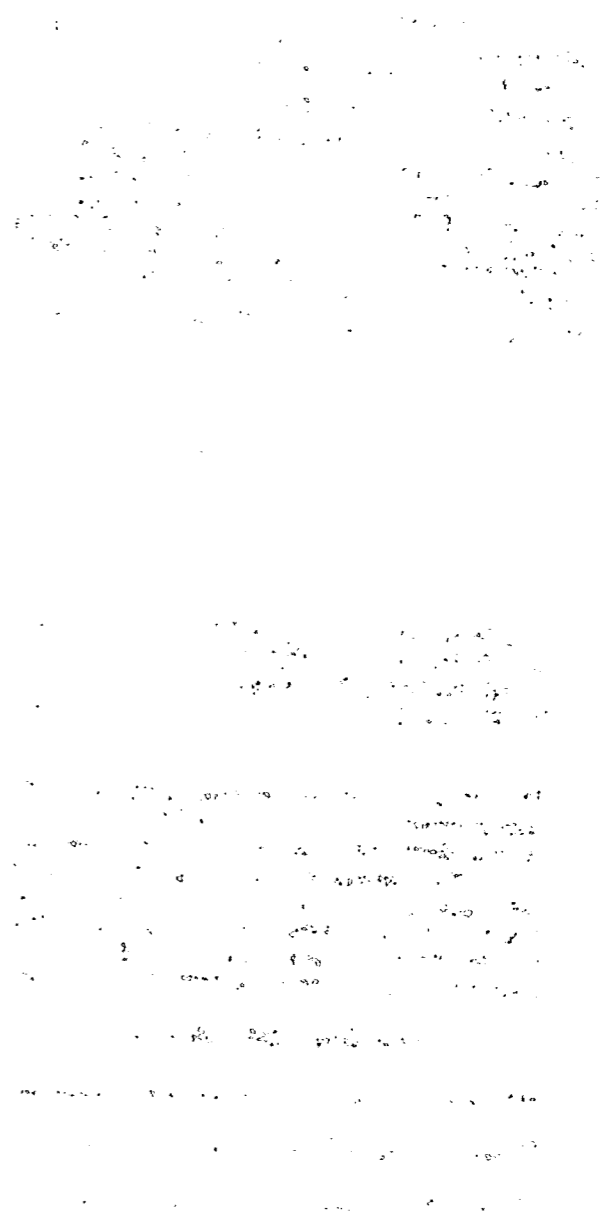
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By: [Signature]    Date: 4/23/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_



DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (WYNDEMERE)

Duratek Mkn No.	Scheduled Pile Length (ft-in)	Scheduled Wall Height (ft-in)	Precast Post Length (ft-in)	W12x79 Overall Length (ft-in)	Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number										Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)	Remarks	
							X1.1	X1.2	X1.3	X1.4	X1.5	X1.6	X1.7	X1.8	X1.9							
P-1	23	0	19	7	41	5	Type-A	Type-A	6	15							8	29	567.9	1201.1	948.9	
P-1E	23	0	19	7	41	5	Type-A	Type-A	1								1	2	39.2	82.8	65.4	END POST
P-2	18	0	19	7	36	5	Type-A	Type-A	19									19	372.1	691.9	546.6	
P-3	24	0	19	7	42	5	Type-A	Type-A		11	4							15	293.8	635.3	502.6	
P-4	21	0	19	7	39	5	Type-A	Type-A			10							10	195.8	394.2	311.4	
P-5	17	0	19	7	35	5	Type-A	Type-A			8							8	156.7	283.3	223.8	
P-6	17	0	18	7	34	5	Type-A	Type-A			4				11	4		27	501.8	928.3	794.4	
P-7	20	0	18	7	37	5	Type-A	Type-A										9	167.3	386.8	285.0	
P-8	20	0	17	7	36	5	Type-A	Type-A				1						1	17.6	36.4	28.8	
P-9	14	0	17	7	30	5	Type-A	Type-A					26	1				35	615.4	1064.6	841.0	
P-10	19	0	17	7	35	5	Type-A	Type-A						15				15	263.8	531.3	419.7	
P-11	23	0	17	7	39	5	Type-A	Type-A						10	9			19	334.1	748.9	591.6	
P-12	23	0	18	7	40	5	Type-A	Type-A							6			6	111.5	242.5	191.6	
P-13	18	0	20	7	37	5	Type-A	Type-A									5	5	102.9	187.1	147.8	
P-14	23	0	20	7	42	5	Type-A	Type-A								17		17	349.9	721.1	569.7	
																		217	4089.6	8087.4	6389.1	

3

23  
427.4  
791.6  
625.4

APPROVED AS NOTED  
APPROVED AS NOTED  
REJECTED  
RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS. SELECTING PROTECTIVE DEVICES AND TECHNIQUES OF CONSTRUCTION COORDINATING ITS WORK WITH ALL OTHER TRADES AND PERFORMING ITS WORKING SAFE AND SATISFACTORY MANNER.

DATE: 4/22/08

CS-SD 13 PAGE 11-12

RELEASE FOR CONSTRUCTION

Signature: [Signature]  
Date: 4/25/08

13  
4089.7  
8099.5  
6388.6  
241.6  
486.4  
384.3

DURATEK PRECAST WALL PANEL SCHEDULE - SOUND BARRIER WALL (WYNDEMERE)

Duratek Mkn No.	Panel Length (ft-in)	Panel Height (ft-in)	Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number										Total Panel Quantity	Total Panel Square Footage	Remarks		
						X1.1	X1.2	X1.3	X1.4	X1.5	X1.6	X1.7	X1.8	X1.9						
W-1A	19	2	7	0	5	Type-B	Type-B	26	26	21						1	3	77	10330.8	2ft Type-A Finish at Top
W-2B	19	2	6	0	5	Type-B	Type-B	26	26	25	26	26	26	25	3			209	24035.0	
W-3C	19	2	6	0	5	Type-B	Type-B	21	21	20	21	20	21	20	2			167	19205.0	
W-4C	19	2	6	0	5	Type-B	Type-B	5	5	5	5	6	5	5	1			42	4830.0	Fire Hose Access Hole
W-5A	19	2	6	0	5	Type-B	Type-B			4	16					17	3	40	4600.0	2ft Type-A Finish at Top
W-6A	9	2	6	0	5	Type-B	Type-B			1						1		2	110.0	2ft Type-A Finish at Top
W-7B	9	2	6	0	5	Type-B	Type-B			1						1	1	3	165.0	
W-8C	9	2	6	0	5	Type-B	Type-B			1						1	1	3	165.0	
W-9A	19	2	5	0	5	Type-B	Type-B				10	26	26	9				71	6804.2	2ft Type-A Finish at Top
W-10A	19	2	8	0	5	Type-B	Type-B									21		21	3220.0	2ft Type-A Finish at Top
W-11A	17	2	7	0	5	Type-B	Type-B										4	4	480.7	2ft Type-A Finish at Top
W-12B	17	2	6	0	5	Type-B	Type-B										4	4	412.0	
W-13C	17	2	6	0	5	Type-B	Type-B										3	3	309.0	
W-14A	9	2	7	0	5	Type-B	Type-B										1	1	64.2	2ft Type-A Finish at Top
W-42C	17	2	6	0	5	Type-B	Type-B										1	1	103.0	Fire Hose Access Hole
																		648	74834	

A. APPROVED AS SUBMITTED  
B. APPROVED AS NOTED  
C. REVISE AND RESUBMIT  
D. REJECTED

This review is for general conformance with design concepts only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of drawing dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

DATE: 4/23/08  
Signature: DT

Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/18/08	COMMENTS RECEIVED 02/18/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HDR ENGINEERING, INC.  
BW-1 THRU BW-8 DATED 06/7 AND 10/07  
BW-1-1 THRU BW-1-4 DATED 10/07

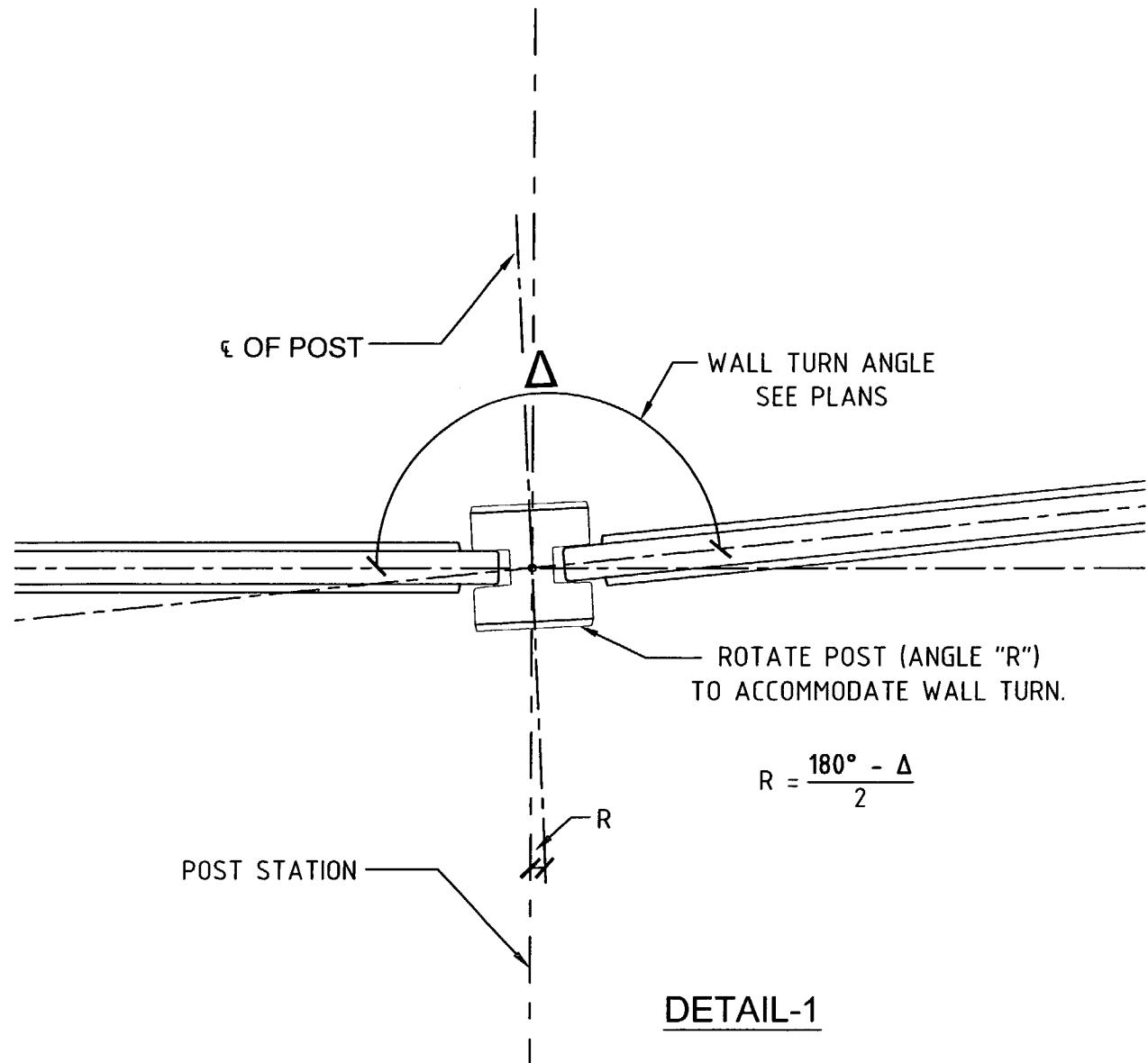
Drawn By: R.M.  
Date: 12/21/07  
Checked By: J.A.H.  
Date: 01/18/08

Florida Engineering  
C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33578  
Ph: 352/688-6311 Fax: 352/688-6411 Web: www.florida-engineering.com

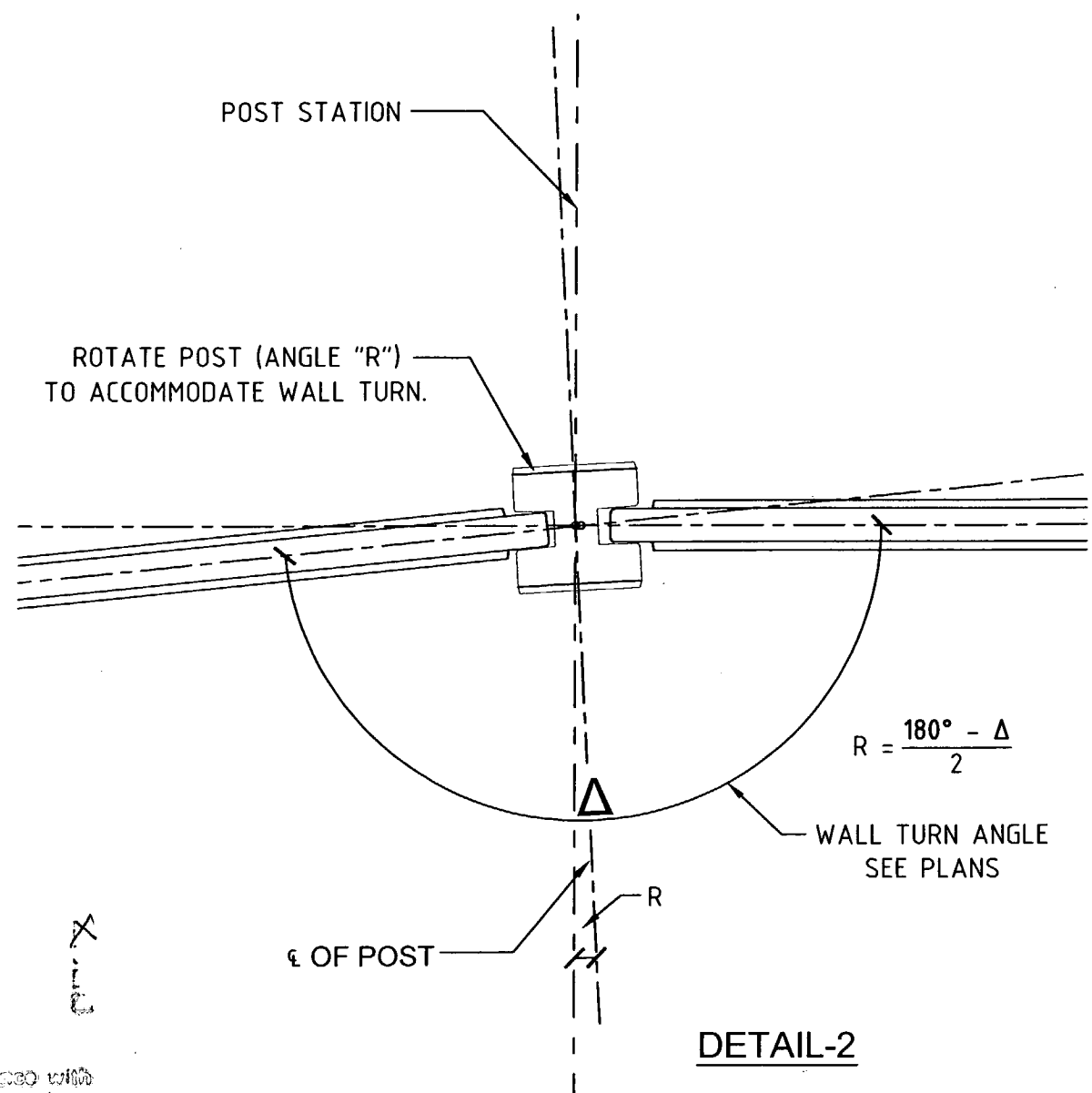
John A. Hoy, P.E.  
Florida License Number 55312

DURATEK PRECAST TECHNOLOGIES  
The Edge in Perimeter Walls  
Concrete Pre-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0820  
Tel: 800/754-3641 Ph: 352/798-5944 Fax: 352/798-5033 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
PROJECT NO. 07-2055-701  
SHEET NO. X2.2



**DETAIL-1**



**DETAIL-2**

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

FILE

This review is for general conformance with design criteria and specifications shown on plans or specifications and does not constitute a guarantee or warranty of any kind by the engineer. The engineer shall not be responsible for any errors or omissions or for any consequences arising from the use of the drawings. The contractor shall be responsible for the accuracy of the data and for the safety of the work.

HDR ENGINEERING, INC.

By: DT Date: 4/23/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

**RELEASE FOR CONSTRUCTION**

[Signature]  
Signature

4/25/08  
Date

0-75 DEF ACQUIRY, a John Manette  
 APPROVED     AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED     REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 4/22/08

CS-SD13 PAGE 12-12

Rev. No.	Date	Description
1	01/19/08	GENERAL REVISION
2	02/19/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-4 DATED 06/7 AND 10/07  
 BW-1 THRU BW-4 DATED 10/07

Drawn By:	R.M.
Date:	12/21/07
Checked By:	J.A.H.
Date:	01/18/08

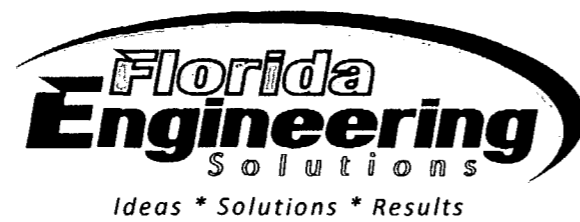
**Florida Engineering Solutions**  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 78216  
 Ph: 352 / 688 - 6311 Fax: 352 / 688 - 5411 Web: www.floridaing.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 John A. Hoy, P.E.  
 April 18, 2008  
 Florida License Number 55312

**DURATEK** The Edge in Perimeter Walls  
 Concrete Pro-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0820  
 Toll Free: 800/764-3541 Ph: 352/798-5944 Fax: 352/798-5933 Website: www.duratek.net

SOUND BARRIER WALL  
 TYPICAL WALL TURN DETAILS  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X3.00



**LETTER OF TRANSMITTAL**

September 23, 2008

To: ACC/API, a Joint Venture

12757 Westlinks Dr  
Fort Myers, FL -33913

Attention: Mario A. Puento, EI

We Are Sending You:  Attached \_\_\_ Under Separate, Via \_\_\_ The Following Items:

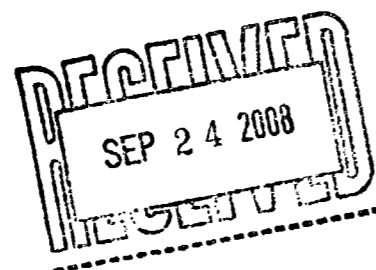
- Shop Drawings \_\_\_ Contract Drawings \_\_\_ Calculations \_\_\_ Submittals  
 Copy of Letter \_\_\_ Change Order \_\_\_ Catalog \_\_\_ Other

Copies	Date	Description
1	9/22/08	Southern Pines-Sound Barrier Wall-Proposed Wall Layout Revisions
<del>4</del>	<del>9/22/08</del>	<del>Southern Pines-Proposed Post #205 Modification</del>

These are transmitted as described below:

- For Approval  Approved as Submitted \_\_\_ Resubmitt \_\_\_  
 For Your Use \_\_\_ Approved as Noted \_\_\_ Submit \_\_\_  
 As Requested \_\_\_ Returned for Corrections \_\_\_ Return \_\_\_  
 For Review and Comment \_\_\_  
 For Bid Purpose \_\_\_  
 Other \_\_\_

Remarks:



April 18, 2008

ACCI / API, a Joint Venture  
 12751 Westlinks Drive, Unit 1  
 Fort Myers, FL 33913, FL 34604  
 Attn: Felipe Jaramillo

RE: I-75 Sound Barrier Wall Shop Drawings - Wyndemere

Mr. Jaramillo

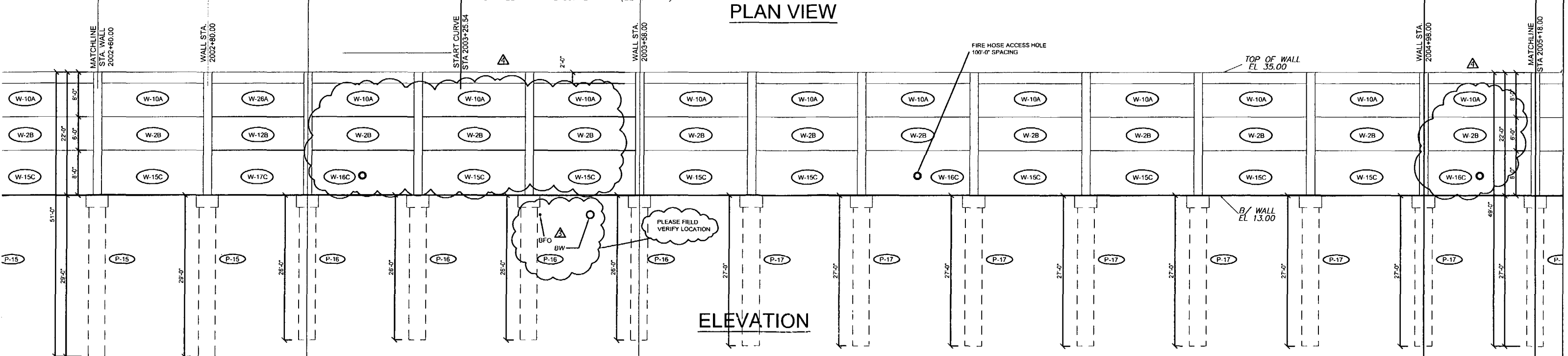
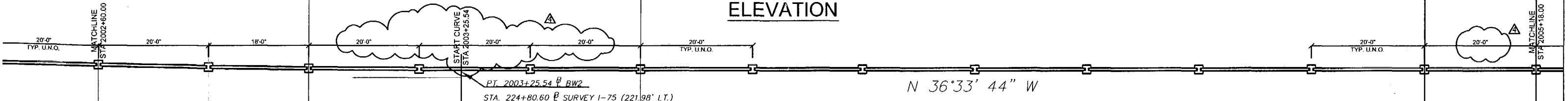
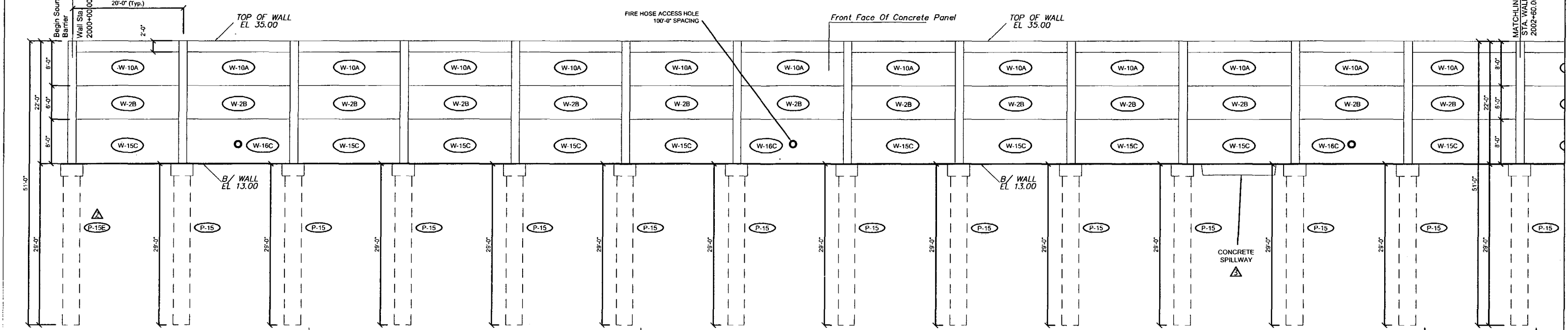
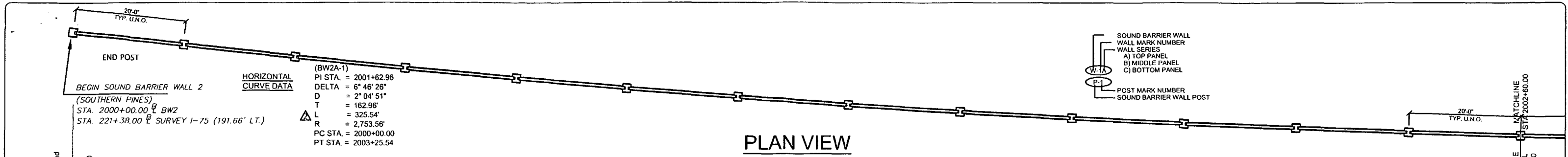
Please find attached shop drawings for your use. Note that there are BFO and BE that appear to fall directly beneath a foundation at station 1015+20 (sheet number X1.3).

We have completed all revisions requested in accordance with the 100% Sound Barrier Wall drawings by HDR dated 02/08 and the FDOT Electronic Review Comments.

Please contact me if I can be of further assistance.

Respectfully,

John A. Hoy, P.E.  
 FL. Lic. No. 55312



Rev. No.	Date	Description
1	02/18/08	Comments Rec'd 02/18/08 - Fire Access Hole Locations - Foundation Spillway
2	04/15/08	GENERAL REVISIONS
3	05/13/08	GENERAL REVISIONS
4	09/17/08	REVISIONS TO PANEL LAYOUT

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY H&R ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 06/7 AND 10/07  
 BW-2 THRU BW-23 DATED 06/07

Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/10/08

**Florida Engineering Solutions**  
 C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, FL 34604-8829  
 Ph: 352/588-5311 Fax: 352/588-5411 Web: www.floridaingineer.com

September 22nd, 2008  
 John A. Hoy, P.E.  
 Florida License Number 85312

**DURATEK**  
 PRECAST TECHNOLOGIES

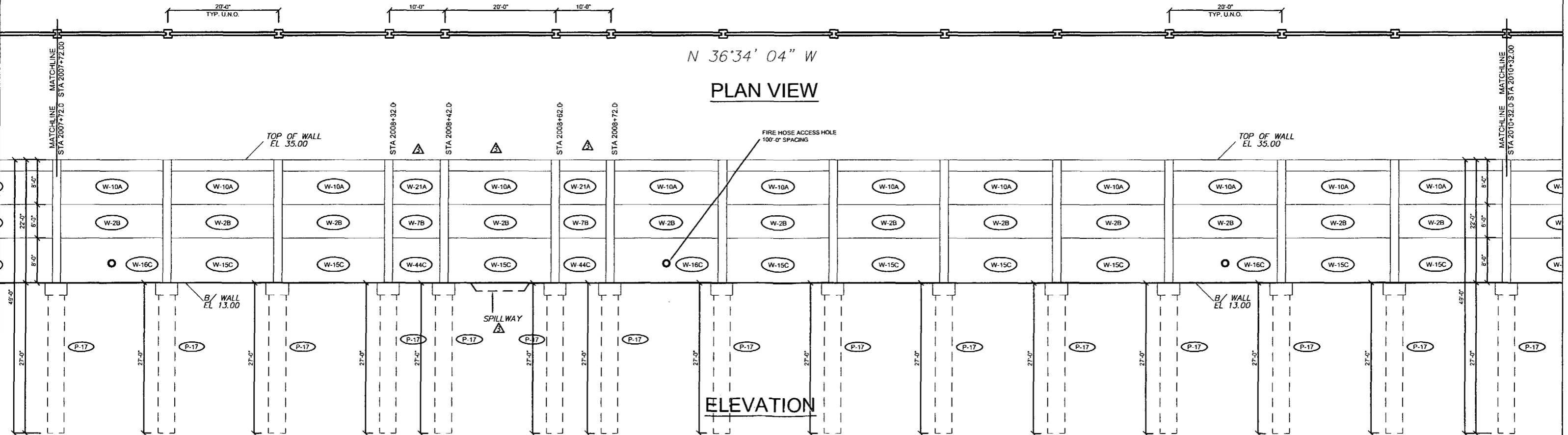
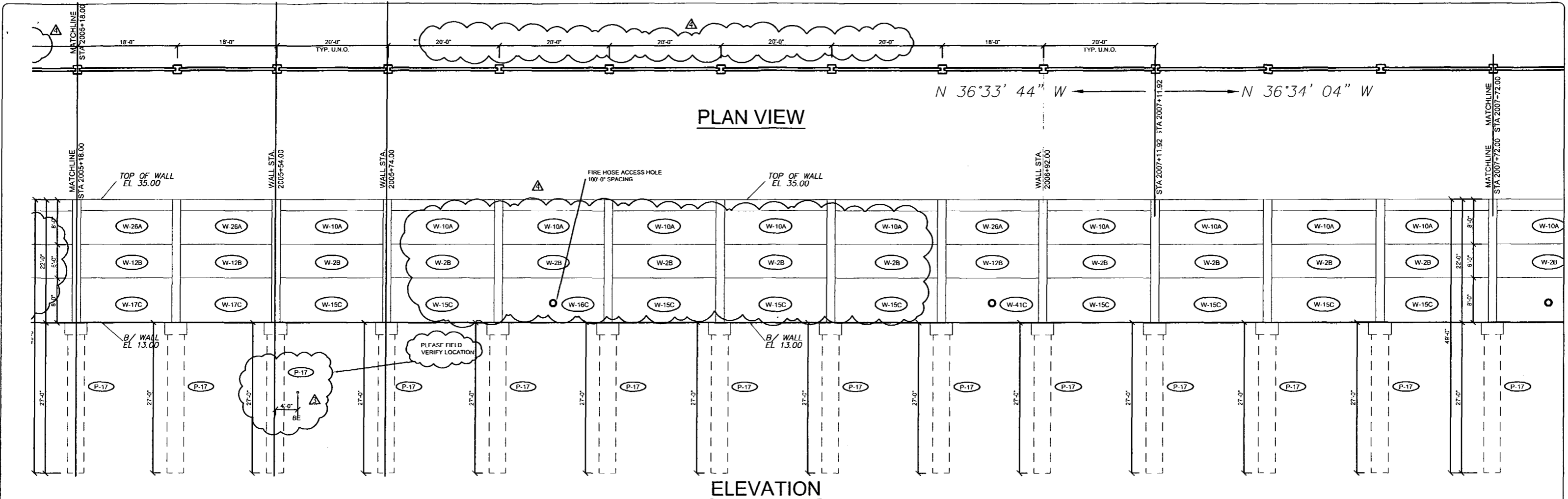
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls

Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8829  
 Toll Free: 800/754-3641 Ph: 352/796-5944 Fax: 352/796-5933 Website: www.duratek.net

SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
 SHOP DRAWING (STA 2000+00.00 - 2005+10.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.10





Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	03/15/08	GENERAL REVISIONS
3	03/14/08	GENERAL REVISIONS
4	09/17/08	REVISIONS TO PANEL LAYOUT

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 8/07 AND 10/07  
 BW-1 THRU BW-2 DATED 9/07

Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08

September 22nd 2008  
 John A. Hoy, P.E.  
 Florida License Number 55312

**DURATEK**  
 PRECAST TECHNOLOGIES

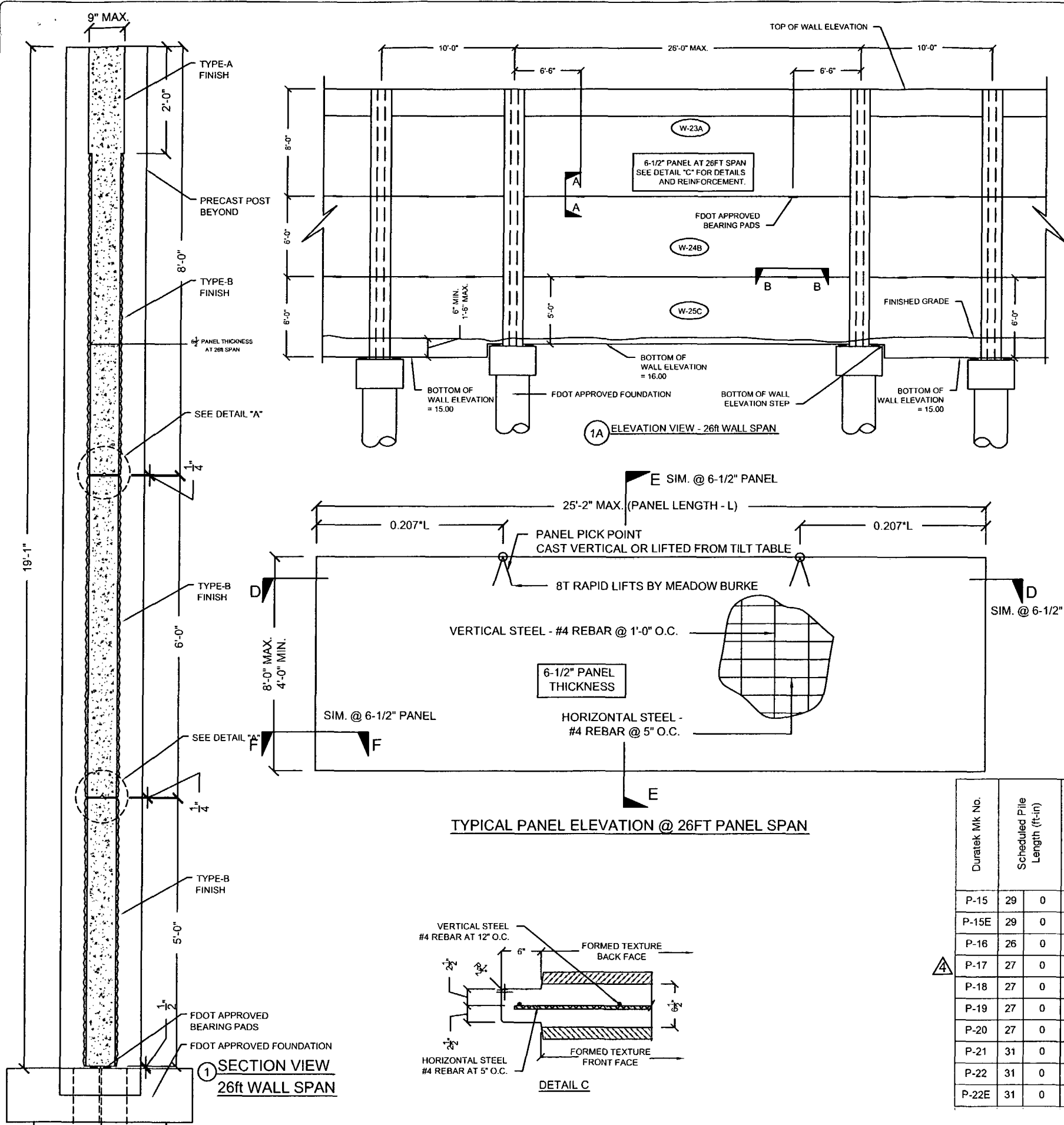
**The Edge in Perimeter Walls**  
 Concrete Precast Buffer Walls

Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
 Toll Free: 800/754-3641 Ph: 352/796-5944 Fx: 352/796-5933 Website: www.duratek.net

SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
 SHOP DRAWING (STA 2005+10.00 - 2010+32.00)

PROJECT NO: 07-2055-701  
 SHEET NO: X1.11

SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD



**DURATEK PRECAST WALL PANEL SCHEDULE  
SOUND BARRIER WALL (SOUTHERN PINES)**

Duratek Mk No.	Panel Length (ft-in)	Panel Height (ft-in)	Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number					Total Panel Quantity	Total Panel Square Footage	Remarks		
						X1.10	X1.11	X1.12	X1.13	X1.14					
W-2B	19	2	6	0	5	Type-B	Type-B	25	22	26	23	19	115	13225.0	
W-3C	19	2	6	0	5	Type-B	Type-B					1	1	115.0	
W-4C	19	2	6	0	5	Type-B	Type-B					1	1	115.0	Fire Hose Access Hole
W-7B	9	2	6	0	5	Type-B	Type-B		2		4		6	330.0	
W-8C	9	2	6	0	5	Type-B	Type-B				2		2	110.0	
W-10A	19	2	8	0	5	Type-B	Type-B	25	22	26	23	19	115	17633.3	2ft Type-A Finish at Top
W-12B	17	2	6	0	5	Type-B	Type-B	1	3				4	412.0	
W-15C	19	2	8	0	5	Type-B	Type-B	19	18	21	13	13	84	12880.0	
W-16C	19	2	8	0	5	Type-B	Type-B	6	4	5	4	3	22	3373.3	Fire Hose Access Hole
W-17C	17	2	8	0	5	Type-B	Type-B	1	2				3	412.0	
W-18C	19	2	8	0	5	Type-B	Type-B				1	1	2	306.7	Bottom of Wall - Elev. Step
W-19C	19	2	7	0	5	Type-B	Type-B				1	2	3	402.5	
W-20C	19	2	7	0	5	Type-B	Type-B				1		1	134.2	Bottom of Wall - Elev. Step
W-21A	9	2	8	0	5	Type-B	Type-B	2		4			6	440.0	2ft Type-A Finish at Top
W-22C	9	2	6	0	5	Type-B	Type-B				2		2	110.0	Bottom of Wall - Elev. Step
W-23A	25	2	8	0	6.5	Type-B	Type-B				1		1	201.3	2ft Type-A Finish at Top
W-24B	25	2	6	0	6.5	Type-B	Type-B				1		1	151.0	
W-25C	25	2	5	0	6.5	Type-B	Type-B				1		1	125.8	
W-26A	17	2	8	0	5	Type-B	Type-B	1	3				4	549.3	2ft Type-A Finish at Top
W-32C	19	2	7	0	5	Type-B	Type-B				1		1	134.2	Fire Hose Access Hole
W-41C	17	2	8	0	5	Type-B	Type-B		1				1		Fire Hose Access Hole
W-44C	9	2	8	0	5	Type-B	Type-B		2				2		
											<b>378</b>	<b>51161</b>			

**DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (SOUTHERN PINES)**

Duratek Mk No.	Scheduled Pile Length (ft-in)	Scheduled Wall Height (ft-in)	Precast Post Length (ft-in)	W12x79 Overall Length (ft-in)	Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number					Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)	Remarks			
							X1.10	X1.11	X1.12	X1.13	X1.14								
P-15	29	0	22	0	22	7	50	5	Type-A	Type-A	14			14	316.2	705.8	557.6		
P-15E	29	0	22	0	22	7	50	5	Type-A	Type-A	1			1	22.6	50.4	39.8	END POST	
P-16	26	0	22	0	22	7	47	5	Type-A	Type-A	4			4	90.3	189.7	149.8		
P-17	27	0	22	0	22	7	48	5	Type-A	Type-A	7	27	26	18	78	1761.5	3776.5	2983.4	
P-18	27	0	21	0	21	7	47	5	Type-A	Type-A			2	2	4	86.3	189.7	149.8	
P-19	27	0	20	0	20	7	46	5	Type-A	Type-A			6		6	123.5	278.5	220.0	
P-20	27	0	19	0	19	7	45	5	Type-A	Type-A			2		2	39.2	90.8	71.8	
P-21	31	0	21	0	21	7	51	5	Type-A	Type-A			1		1	21.6	51.4	40.6	
P-22	31	0	22	0	22	7	52	5	Type-A	Type-A			16		16	361.3	838.7	662.5	
P-22E	31	0	22	0	22	7	52	5	Type-A	Type-A			1		1	22.6	52.4	41.4	END POST
											<b>127</b>	<b>2845.1</b>	<b>6223.9</b>	<b>4916.9</b>					

**REVISIONS**

Rev. No.	Date	Description
1	02/18/08	Comments Received 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/15/08	GENERAL REVISIONS
3	05/13/08	GENERAL REVISIONS
4	09/17/08	REVISIONS TO PANEL LAYOUT

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HOR ENGINEERING, INC.  
BW-1 THRU BW-5 DATED 0/07 AND 10/07  
BW-2 THRU BW-3 DATED 0/07

Drawn By: J.J.A.  
Date: 01/02/08  
Checked By: J.J.A.H.  
Date: 01/18/08

**Florida Engineering Solutions**  
C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, TX 78257  
Ph: 352/588-5311 Fax: 352/588-5411 Web: www.floridaing.com

September 22nd, 2008  
John A. Hoy, P.E.  
Florida License Number 55312

**DURATEK**  
PRECAST TECHNOLOGIES

**The Edge in Perimeter Walls**  
Concrete Pre-cast Buffer Walls

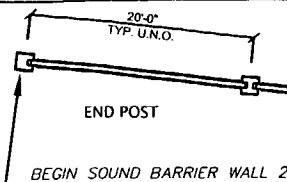
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
Toll Free: 800/754-3641 Ph: 352/796-5944 Fax: 352/796-5933 Website: www.duratek.net

**DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES**

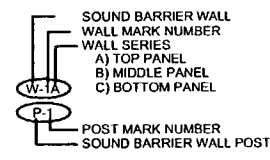
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO.  
07-2055-701

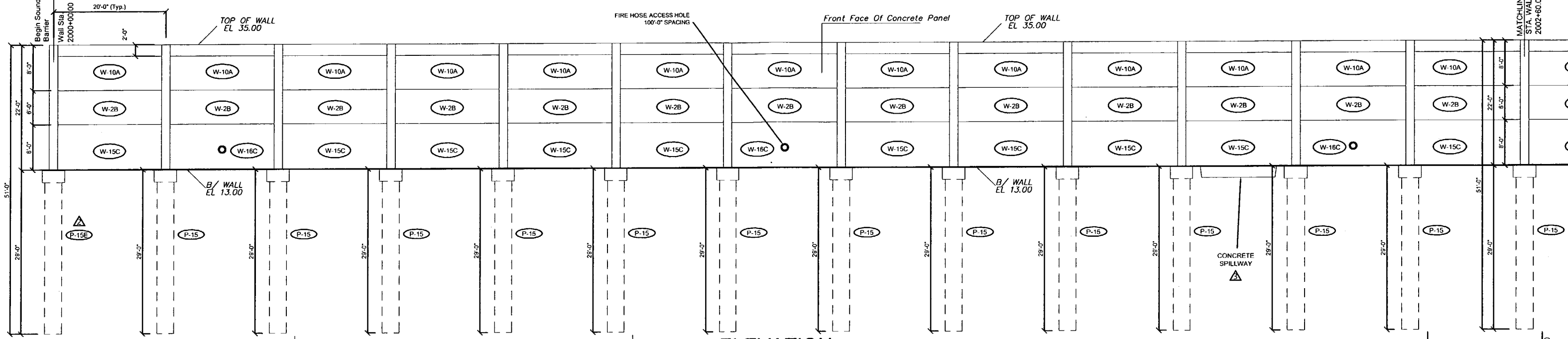
SHEET NO.  
X2.3



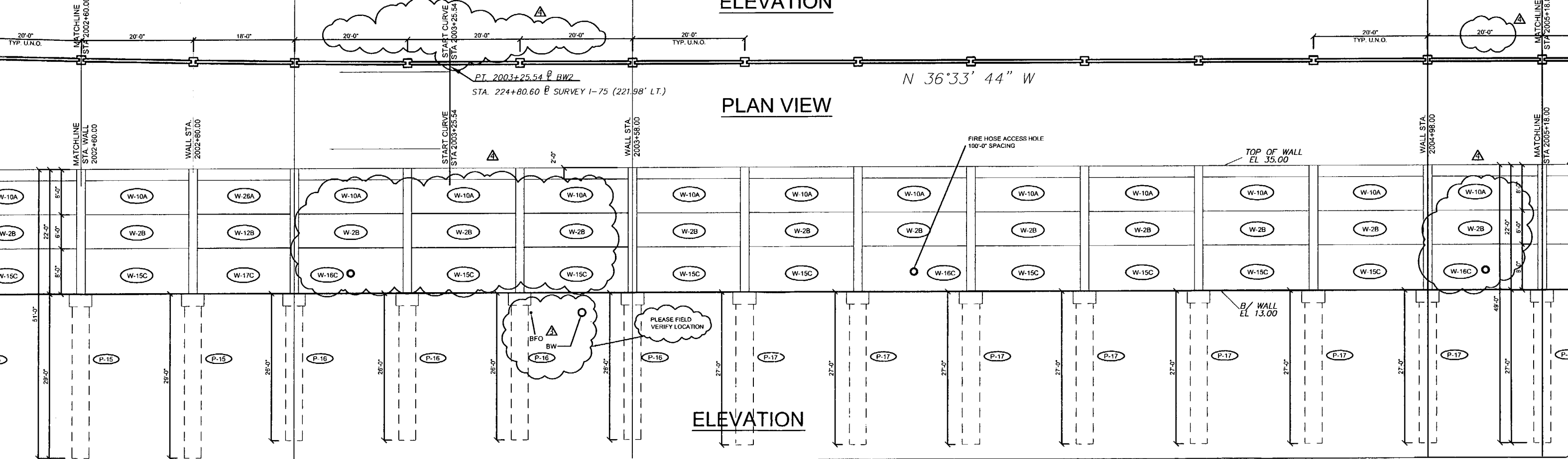
**HORIZONTAL CURVE DATA**  
 (BW2A-1)  
 PI STA. = 2001+62.96  
 DELTA = 6° 46' 26"  
 D = 2° 04' 51"  
 T = 162.96'  
 L = 325.54'  
 R = 2,753.56'  
 PC STA. = 2000+00.00  
 PT STA. = 2003+25.54



**PLAN VIEW**



**ELEVATION**



**PLAN VIEW**

**ELEVATION**

Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/15/08	GENERAL REVISIONS
3	05/13/08	GENERAL REVISIONS
4	09/17/08	REVISIONS TO PANEL LAYOUT

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BW-1 THRU BW-5 DATED 6/07 AND 10/07  
 BW-1 THRU BW-2-3 DATED 6/07

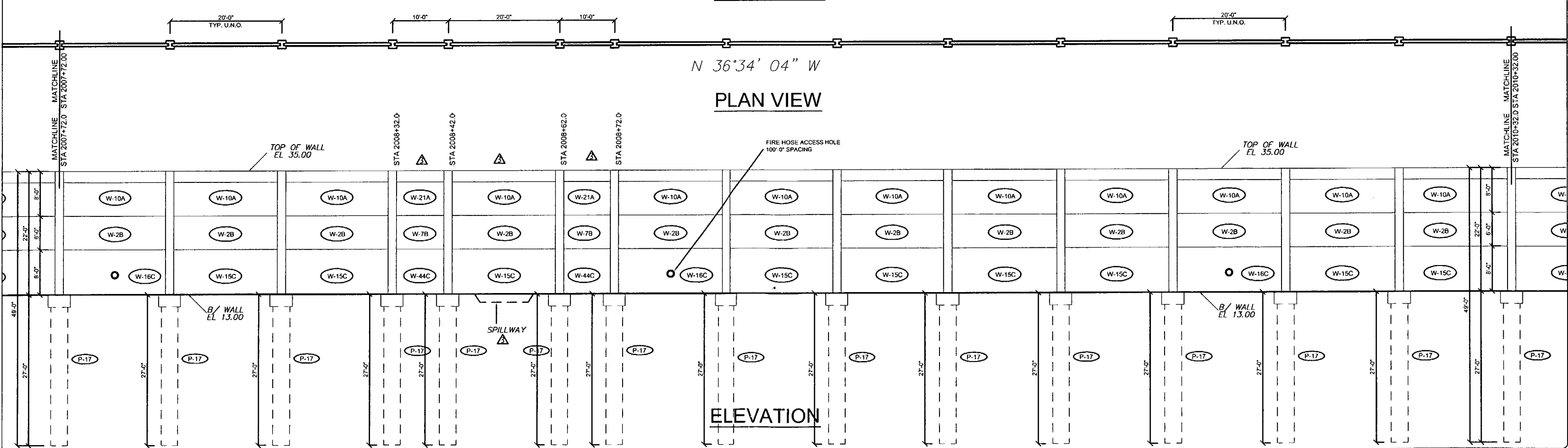
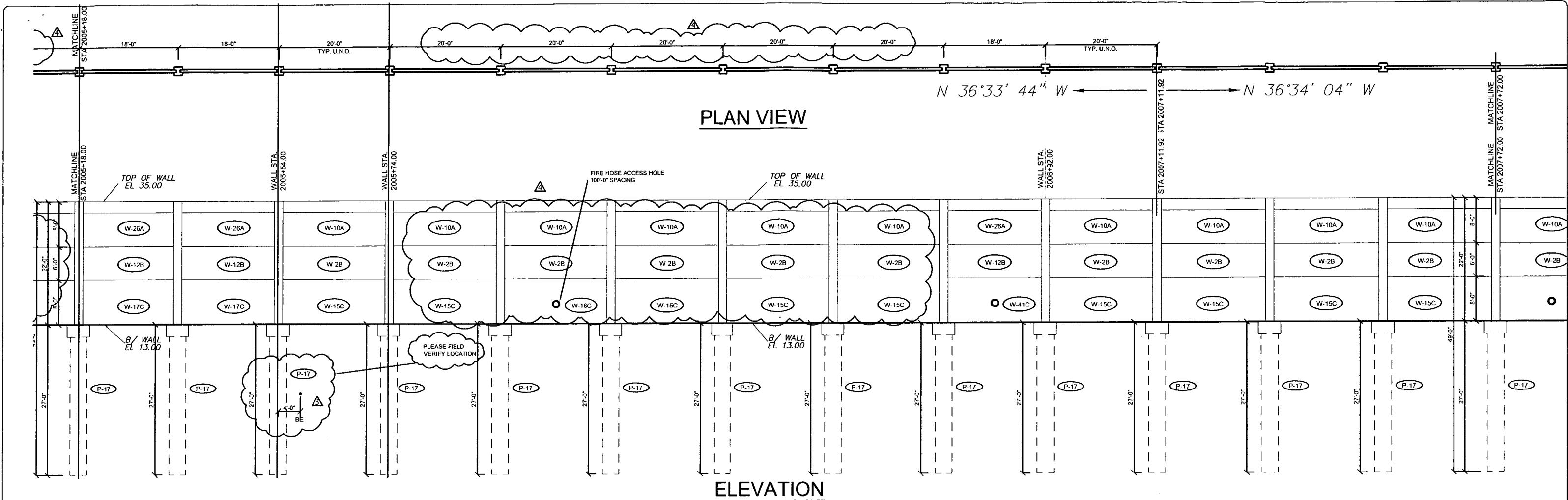
Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**  
 C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, TX 78216  
 Ph: 352 / 588 - 5311 Fx: 352 / 588 - 5411 Web: www.floridaing.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 September 22nd, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65212

**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8829  
 Toll Free: 800/754-3641 Ph: 352/796-5944 Fx: 352/796-5933 Website: www.duratek.net

**SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION**  
 SHOP DRAWING (STA 2000+00.00 - 2005+10.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.10



Rev. No.	Date	Description
1	02/18/08	Comments Record 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/15/08	GENERAL REVISIONS
3	05/13/08	GENERAL REVISIONS
4	09/17/08	REVISIONS TO PANEL LAYOUT

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 8/07 AND 10/07  
 BW2-1 THRU BW2-3 DATED 08/07

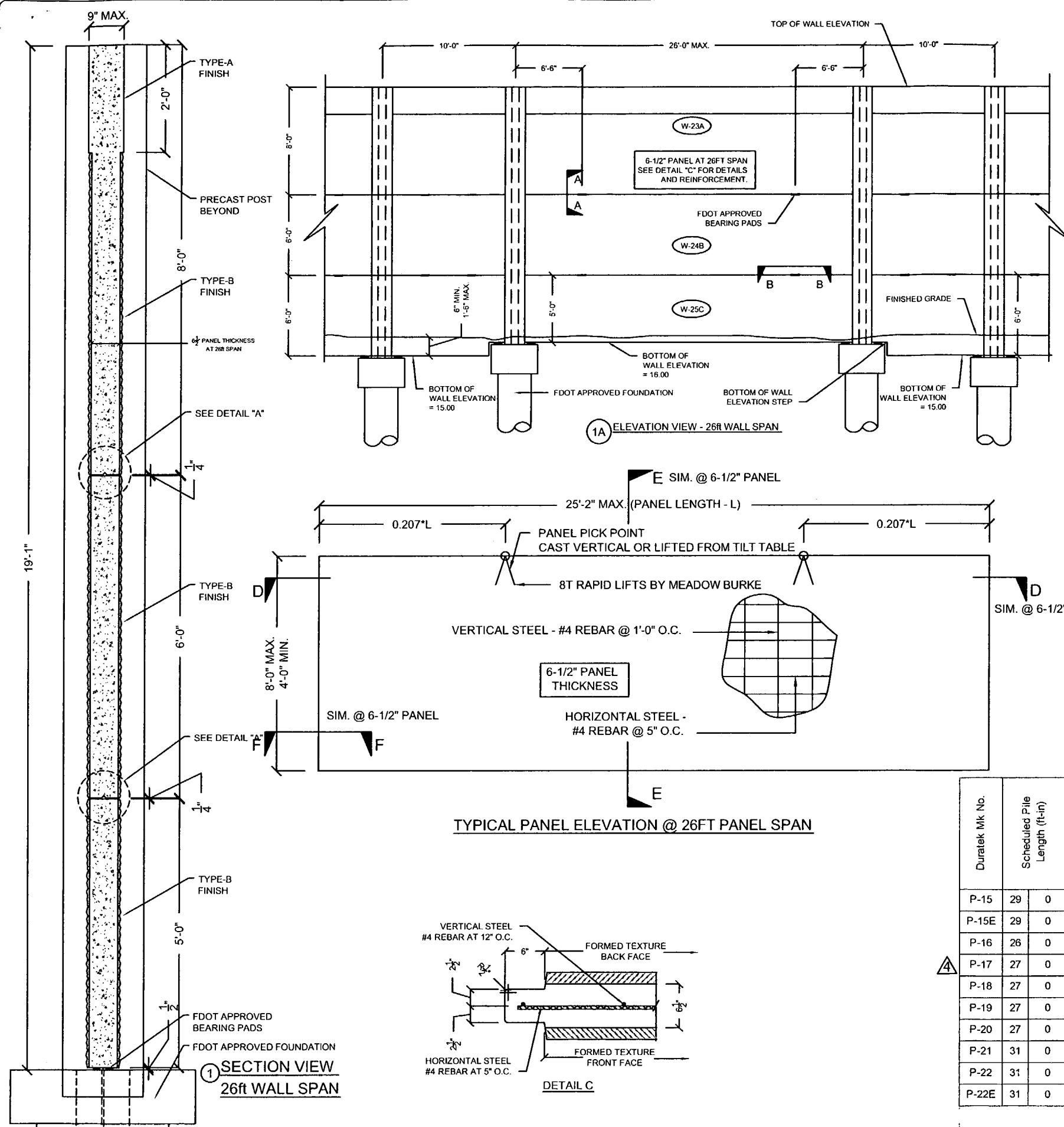
Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering**  
 5014 E. 1st St. Suite 101 - San Antonio, FL 33156  
 Ph: 352 / 588 - 5311 Fax: 352 / 588 - 5411 Web: www.florida-engineering.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 John A. Hoy, P.E.  
 Florida License Number 55312

**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8829  
 Tall Free: 800/754-3641 Ph: 352/798-5944 Fax: 352/798-5933 Website: www.duratek.net

**SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION**  
 SHOP DRAWING (STA 2005+10.00 - 2010+32.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.11



DURATEK PRECAST WALL PANEL SCHEDULE  
SOUND BARRIER WALL (SOUTHERN PINES)

Duratek Mk No.	Panel Length (ft-in)	Panel Height (ft-in)	Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number					Total Panel Quantity	Total Panel Square Footage	Remarks		
						X1.10	X1.11	X1.12	X1.13	X1.14					
W-2B	19	2	6	0	5	Type-B	Type-B	25	22	26	23	19	115	13225.0	
W-3C	19	2	6	0	5	Type-B	Type-B				1		1	115.0	
W-4C	19	2	6	0	5	Type-B	Type-B				1		1	115.0	Fire Hose Access Hole
W-7B	9	2	6	0	5	Type-B	Type-B		2		4		6	330.0	
W-8C	9	2	6	0	5	Type-B	Type-B				2		2	110.0	
W-10A	19	2	8	0	5	Type-B	Type-B	25	22	26	23	19	115	17633.3	2ft Type-A Finish at Top
W-12B	17	2	6	0	5	Type-B	Type-B	1	3				4	412.0	
W-15C	19	2	8	0	5	Type-B	Type-B	19	18	21	13	13	84	12880.0	
W-16C	19	2	8	0	5	Type-B	Type-B	6	4	5	4	3	22	3373.3	Fire Hose Access Hole
W-17C	17	2	8	0	5	Type-B	Type-B	1	2				3	412.0	
W-18C	19	2	8	0	5	Type-B	Type-B				1	1	2	306.7	Bottom of Wall - Elev. Step
W-19C	19	2	7	0	5	Type-B	Type-B				1	2	3	402.5	
W-20C	19	2	7	0	5	Type-B	Type-B				1		1	134.2	Bottom of Wall - Elev. Step
W-21A	9	2	8	0	5	Type-B	Type-B		2		4		6	440.0	2ft Type-A Finish at Top
W-22C	9	2	6	0	5	Type-B	Type-B				2		2	110.0	Bottom of Wall - Elev. Step
W-23A	25	2	8	0	6.5	Type-B	Type-B				1		1	201.3	2ft Type-A Finish at Top
W-24B	25	2	6	0	6.5	Type-B	Type-B				1		1	151.0	
W-25C	25	2	5	0	6.5	Type-B	Type-B				1		1	125.8	
W-26A	17	2	8	0	5	Type-B	Type-B	1	3				4	549.3	2ft Type-A Finish at Top
W-32C	19	2	7	0	5	Type-B	Type-B				1		1	134.2	Fire Hose Access Hole
W-41C	17	2	8	0	5	Type-B	Type-B		1				1		Fire Hose Access Hole
W-44C	9	2	8	0	5	Type-B	Type-B		2				2		
											378	51161			

DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (SOUTHERN PINES)

Duratek Mk No.	Scheduled Pile Length (ft-in)	Scheduled Wall Height (ft-in)	Precast Post Length (ft-in)	W12x79 Overall Length (ft-in)	Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number					Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)	Remarks		
							X1.10	X1.11	X1.12	X1.13	X1.14							
P-15	29	0	22	0	22	7	50	5	Type-A	Type-A	14			14	316.2	705.8	557.6	
P-15E	29	0	22	0	22	7	50	5	Type-A	Type-A	1			1	22.6	50.4	39.8	END POST
P-16	26	0	22	0	22	7	47	5	Type-A	Type-A	4			4	90.3	189.7	149.8	
P-17	27	0	22	0	22	7	48	5	Type-A	Type-A	7	27	26	18	1761.5	3776.5	2983.4	
P-18	27	0	21	0	21	7	47	5	Type-A	Type-A			2	2	86.3	189.7	149.8	
P-19	27	0	20	0	20	7	46	5	Type-A	Type-A			6		123.5	278.5	220.0	
P-20	27	0	19	0	19	7	45	5	Type-A	Type-A			2		39.2	90.8	71.8	
P-21	31	0	21	0	21	7	51	5	Type-A	Type-A				1	21.6	51.4	40.6	
P-22	31	0	22	0	22	7	52	5	Type-A	Type-A				16	361.3	838.7	662.5	
P-22E	31	0	22	0	22	7	52	5	Type-A	Type-A				1	22.6	52.4	41.4	END POST
											127	2845.1	6223.9	4916.9				

Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/14/08	GENERAL REVISIONS
3	05/14/08	GENERAL REVISIONS
4	09/17/08	REVISIONS TO PANEL LAYOUT

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HDR ENGINEERING, INC.  
BW-1 THRU BW-5 DATED 6/07 AND 10/07  
BW2-1 THRU BW2-3 DATED 6/07

Drawn By: J.R.A.  
Date: 01/02/08  
Checked By: J.A.H.  
Date: 01/18/08

**Florida Engineering**  
S u b s i d i a r y  
C.A. No. 28300 - 12630 Curley Sl. - Suite 101 - San Antonio, FL 32078  
Ph: 352/588-5311 Fax: 352/588-5411 Web: www.floridaing.com

**DURATEK**  
PRECAST TECHNOLOGIES

**The Edge in Perimeter Walls**  
Concrete Pre-cast Buffer Walls

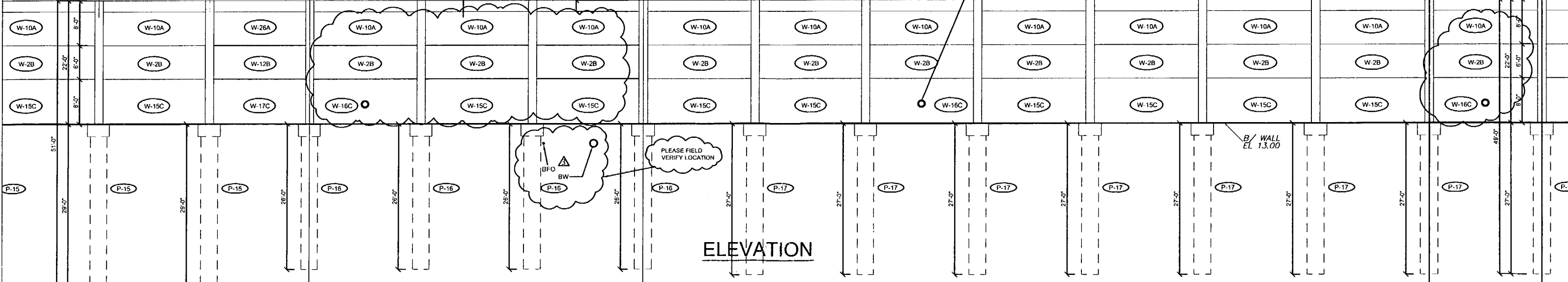
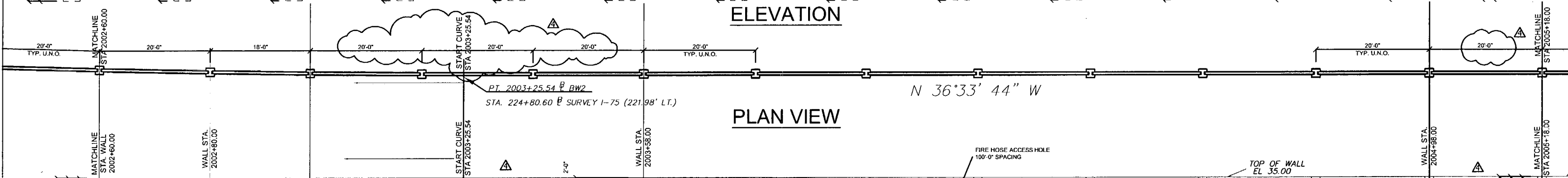
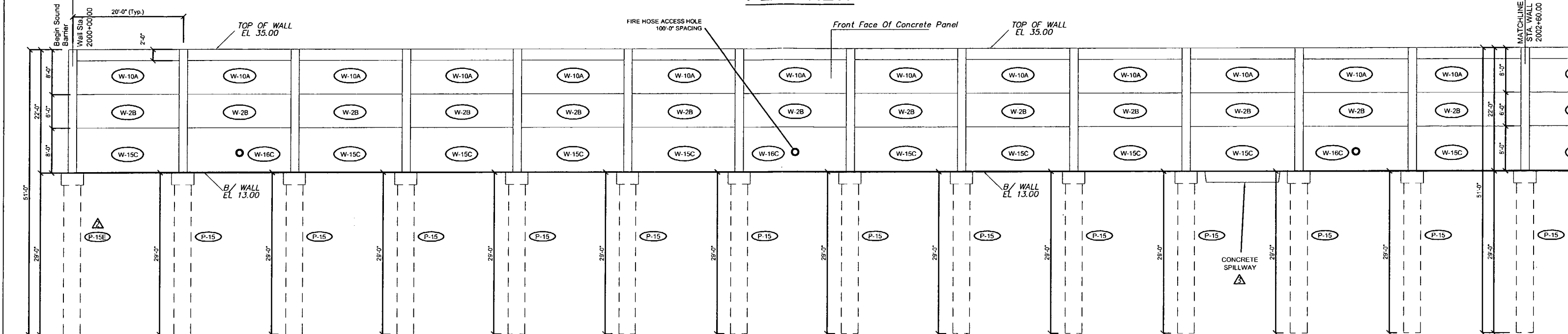
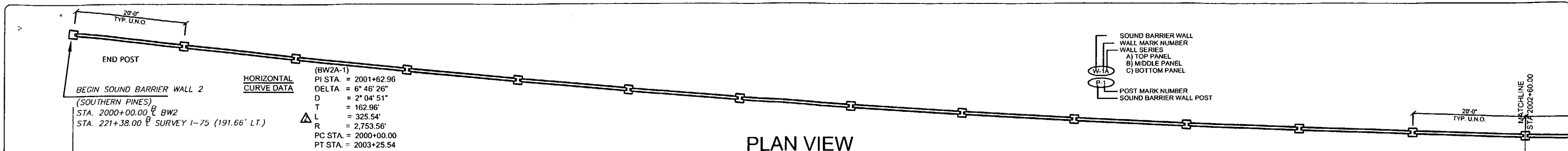
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6929  
John A. Hoy, P.E.  
Florida License Number 55312

Toll Free: 800/754-3641 Ph: 352/796-5944 Fax: 352/796-5933 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES

SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO: 07-2055-701  
SHEET NO: X2.3



Rev. No.	Date	Description
1	02/18/08	Comments Received 02/18/08 - Fire Access Hole Locations - Foundation of Spillway
2	04/15/08	GENERAL REVISIONS
3	05/13/08	GENERAL REVISIONS
4	08/17/08	REVISIONS TO PANEL LAYOUT

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 8/07 AND 10/07  
 BW-2-1 THRU BW-2-3 DATED 8/07

Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08

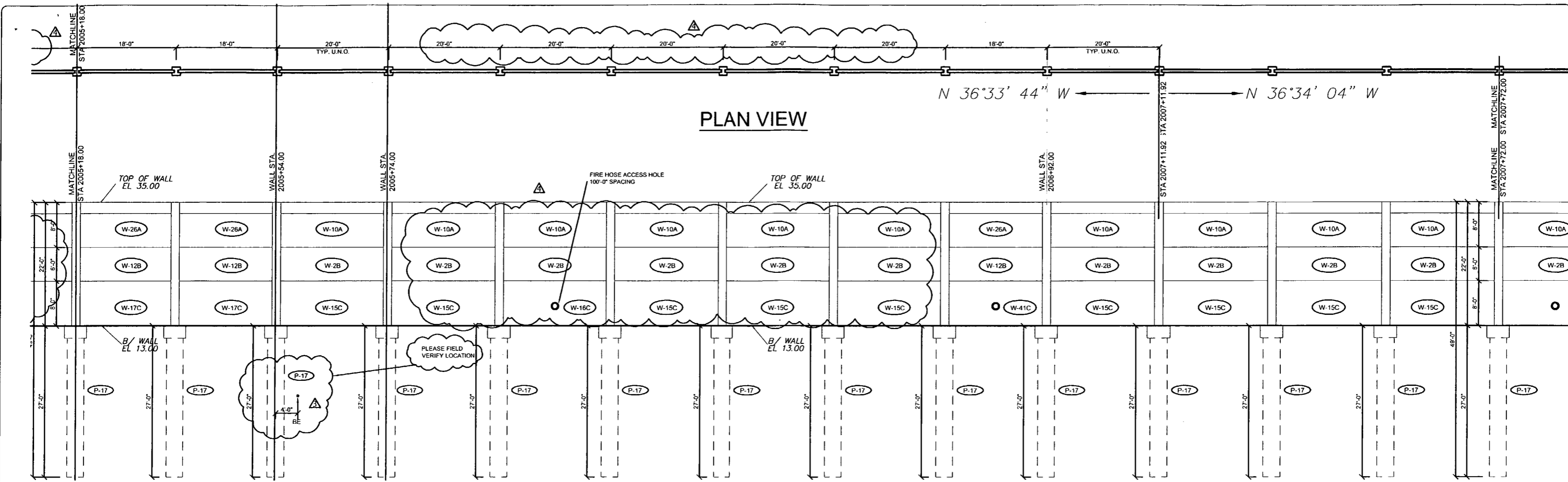
**Florida Engineering Solutions**  
 C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33578  
 Ph: 352 / 588 - 5311 Fax: 352 / 588 - 5411 Web: www.florida-engineering.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8829  
 Toll Free: 800/754-3641 Ph: 352/796-5944 Fax: 352/796-5933 Website: www.duratek.net

**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls

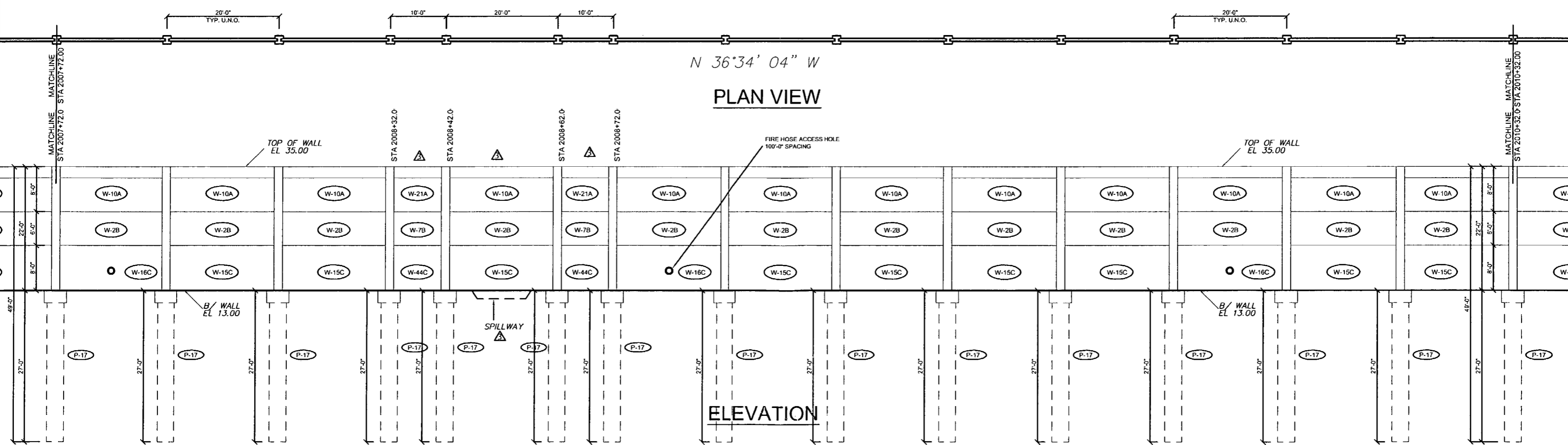
**SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION**  
 SHOP DRAWING (STA 2000+00.00 - 2005+10.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.10



PLAN VIEW

ELEVATION



PLAN VIEW

ELEVATION

Rev. No.	Date	Description
1	02/18/04	Comments Record 02/18/04 - Fire Access Hole Locations - Foundation of Spikeway
2	04/16/04	GENERAL REVISIONS
3	05/19/04	GENERAL REVISIONS
4	09/17/04	REVISIONS TO PANEL LAYOUT

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 9/07 AND 10/07  
 BW2-1 THRU BW2-3 DATED 9/07

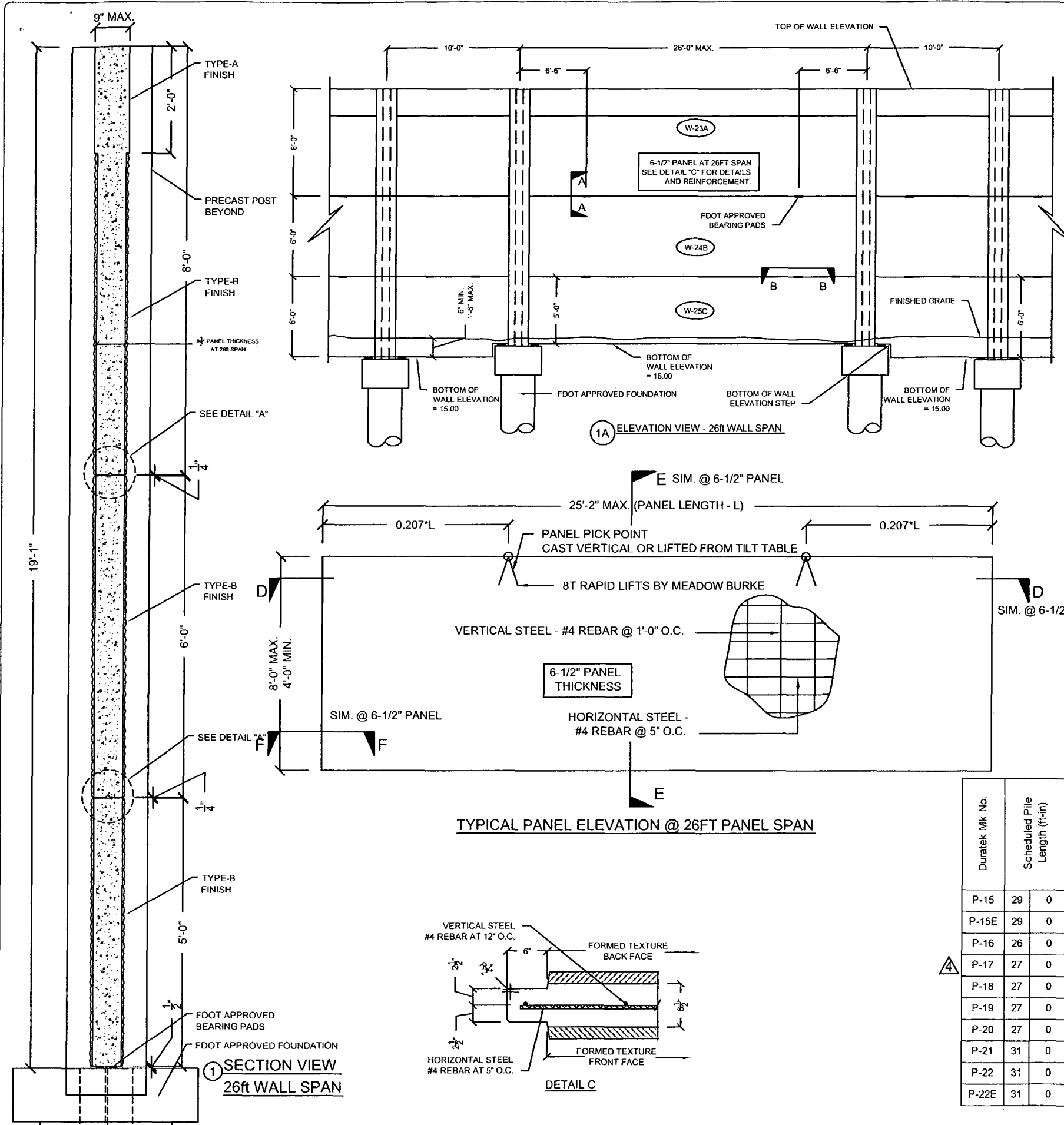
Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering**  
 5110 E. 11th St.  
 C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33156  
 Ph: 352 / 588 - 5311 Fax: 352 / 588 - 5411 Web: www.floridaing.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6826  
 Toll Free: 800/754-3641 Ph: 352/795-6944 Fax: 352/795-6933 Website: www.duratek.net

**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls

SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
 SHOP DRAWING (STA 2005+10.00 - 2010+32.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.11



### DURATEK PRECAST WALL PANEL SCHEDULE SOUND BARRIER WALL (SOUTHERN PINES)

Duratek Mk No.	Panel Length (ft-in)	Panel Height (ft-in)	Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number					Total Panel Quantity	Total Panel Square Footage	Remarks		
						X1.10	X1.11	X1.12	X1.13	X1.14					
W-2B	19	2	6	0	5	Type-B	Type-B	25	22	26	23	19	115	13225.0	
W-3C	19	2	6	0	5	Type-B	Type-B					1	1	115.0	
W-4C	19	2	6	0	5	Type-B	Type-B					1	1	115.0	Fire Hose Access Hole
W-7B	9	2	6	0	5	Type-B	Type-B		2			4	6	330.0	
W-8C	9	2	6	0	5	Type-B	Type-B					2	2	110.0	
W-10A	19	2	8	0	5	Type-B	Type-B	25	22	26	23	19	115	17633.3	2ft Type-A Finish at Top
W-12B	17	2	6	0	5	Type-B	Type-B	1	3				4	412.0	
W-15C	19	2	8	0	5	Type-B	Type-B	19	18	21	13	13	84	12880.0	
W-16C	19	2	8	0	5	Type-B	Type-B	6	4	5	4	3	22	3373.3	Fire Hose Access Hole
W-17C	17	2	8	0	5	Type-B	Type-B	1	2				3	412.0	
W-18C	19	2	8	0	5	Type-B	Type-B				1	1	2	306.7	Bottom of Wall - Elev. Step
W-19C	19	2	7	0	5	Type-B	Type-B				1	2	3	402.5	
W-20C	19	2	7	0	5	Type-B	Type-B				1		1	134.2	Bottom of Wall - Elev. Step
W-21A	9	2	8	0	5	Type-B	Type-B		2		4		6	440.0	2ft Type-A Finish at Top
W-22C	9	2	6	0	5	Type-B	Type-B				2		2	110.0	Bottom of Wall - Elev. Step
W-23A	25	2	8	0	6.5	Type-B	Type-B				1		1	201.3	2ft Type-A Finish at Top
W-24B	25	2	6	0	6.5	Type-B	Type-B					1	1	151.0	
W-25C	25	2	5	0	6.5	Type-B	Type-B					1	1	125.8	
W-26A	17	2	8	0	5	Type-B	Type-B	1	3				4	549.3	2ft Type-A Finish at Top
W-32C	19	2	7	0	5	Type-B	Type-B					1	1	134.2	Fire Hose Access Hole
W-41C	17	2	8	0	5	Type-B	Type-B		1				1		Fire Hose Access Hole
W-44C	9	2	8	0	5	Type-B	Type-B					2	2		
											<b>378</b>	<b>51161</b>			

### DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (SOUTHERN PINES)

Duratek Mk No.	Scheduled Pile Length (ft-in)	Scheduled Wall Height (ft-in)	Precast Post Length (ft-in)	W12x78 Overall Length (ft-in)	Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number					Total Post Quantity	Total Precast Post Footage (ft)	Total W12x78 Footage (ft)	Total W12x78 Weight (cwt)	Remarks		
							X1.10	X1.11	X1.12	X1.13	X1.14							
P-15	29	0	22	7	50	5	Type-A	Type-A	14					14	316.2	705.8	557.6	
P-15E	29	0	22	7	50	5	Type-A	Type-A	1					1	22.6	50.4	39.8	END POST
P-16	26	0	22	7	47	5	Type-A	Type-A	4					4	90.3	189.7	149.8	
P-17	27	0	22	7	48	5	Type-A	Type-A	7	27	26	18		78	1761.5	3776.5	2983.4	
P-18	27	0	21	7	47	5	Type-A	Type-A			2	2		4	86.3	189.7	149.8	
P-19	27	0	20	7	46	5	Type-A	Type-A				6		6	123.5	278.5	220.0	
P-20	27	0	19	7	45	5	Type-A	Type-A				2		2	39.2	90.8	71.8	
P-21	31	0	21	7	51	5	Type-A	Type-A					1	1	21.6	51.4	40.6	
P-22	31	0	22	7	52	5	Type-A	Type-A					16	16	361.3	838.7	662.5	
P-22E	31	0	22	7	52	5	Type-A	Type-A					1	1	22.6	52.4	41.4	END POST
											<b>127</b>	<b>2845.1</b>	<b>6223.9</b>	<b>4916.9</b>				

Rev. No.	Date	Description
1	02/18/08	Comments Rec'd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/15/08	GENERAL REVISIONS
3	05/15/08	GENERAL REVISIONS
4	08/17/08	REVISIONS TO PANEL LAYOUT

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 6/07 AND 10/07  
 BW-2-1 THRU BW-2-3 DATED 9/07

Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**  
 C.A. No. 20300 - 12630 Curley St., Suite 101 - San Antonio, TX 78216  
 Ph: 352 / 588 - 5311 Fax: 352 / 588 - 5411 Web: www.floridaing.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
 Toll Free: 800/754-3641 Ph: 352/796-5344 Fax: 352/796-5333 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
 PROJECT NO. 07-2055-701  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 SHEET NO. X2.3



April 18, 2008

ACCI / API, a Joint Venture  
12751 Westlinks Drive, Unit 1  
Fort Myers, FL 33913, FL 34604  
Attn: Felipe Jaramillo

RE: I-75 Sound Barrier Wall Shop Drawings – Southern Pines

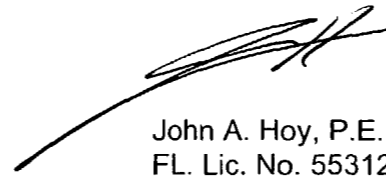
Mr. Jaramillo

Please find attached shop drawings for approval.

We have completed all revisions requested in accordance with the 100% Sound Barrier Wall drawings by HDR dated 02/08 and the FDOT Electronic Review Comments.

Please contact me if I can be of further assistance.

Respectfully,

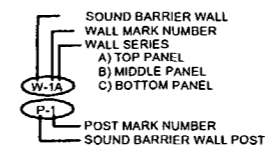


John A. Hoy, P.E.  
FL. Lic. No. 55312

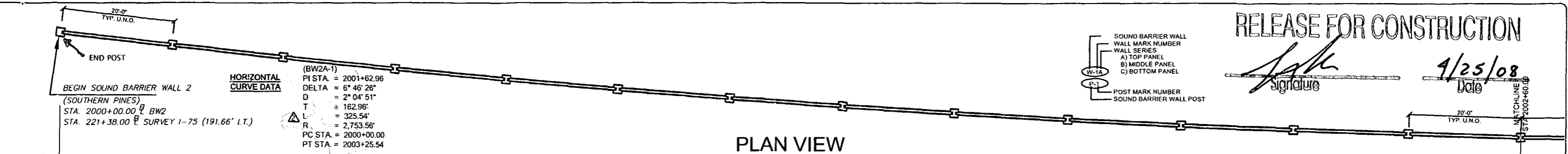
RELEASE FOR CONSTRUCTION

*Signature*  
Signature

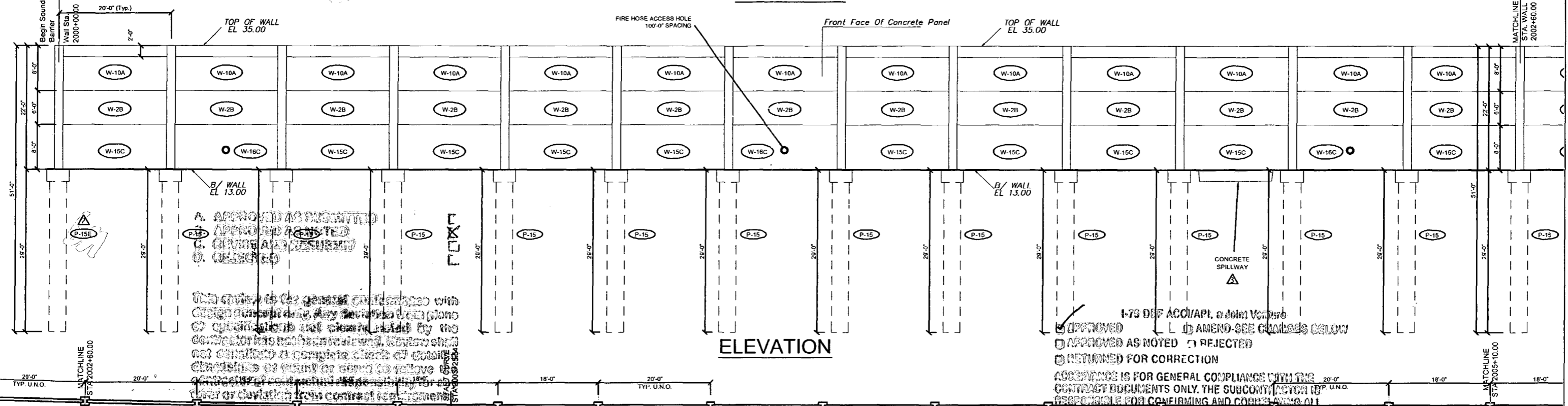
4/25/08  
Date



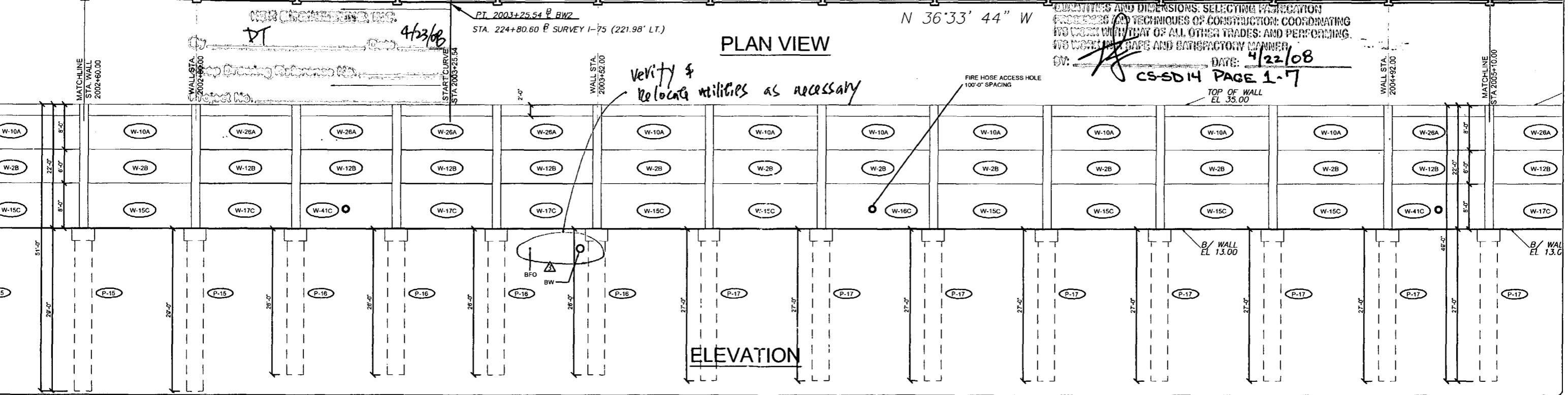
PLAN VIEW



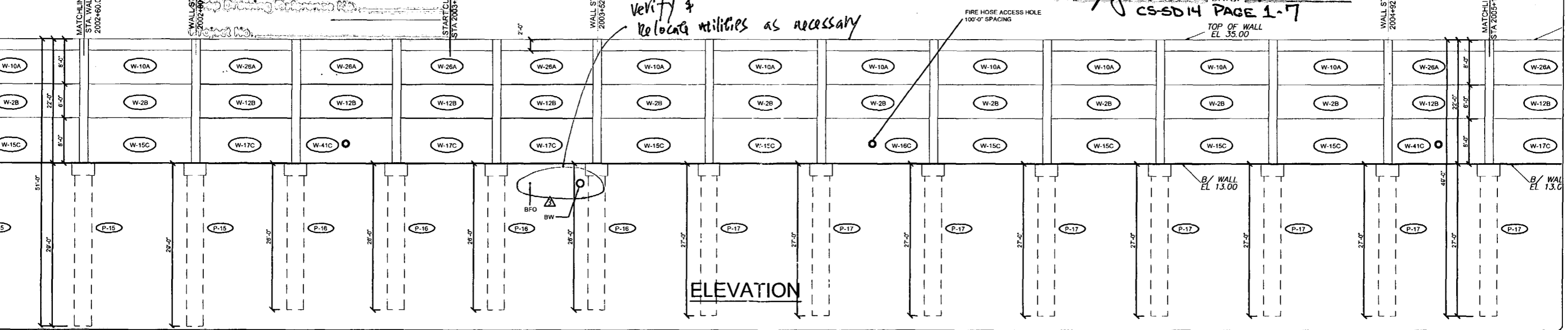
ELEVATION



PLAN VIEW



ELEVATION



REVISIONS

Rev. No.	Date	Description
1	02/18/08	Comments Received 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/19/08	GENERAL REVISIONS

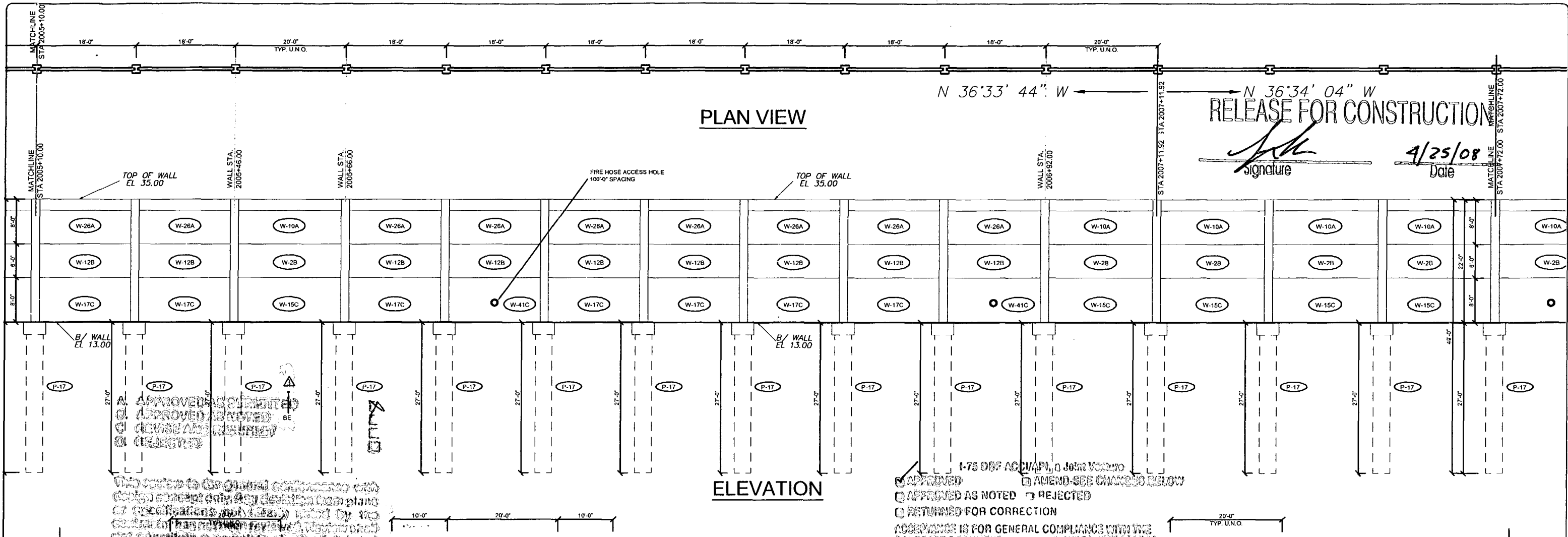
SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HER ENGINEERING, INC.  
BW-1 THRU BW-3 DATED 06/1 AND 10/07  
BW-2-1 THRU BW-2-3 DATED 0/07

Drawn By: J.R.A.  
Date: 01/02/08  
Checked By: J.A.H.  
Date: 01/18/08

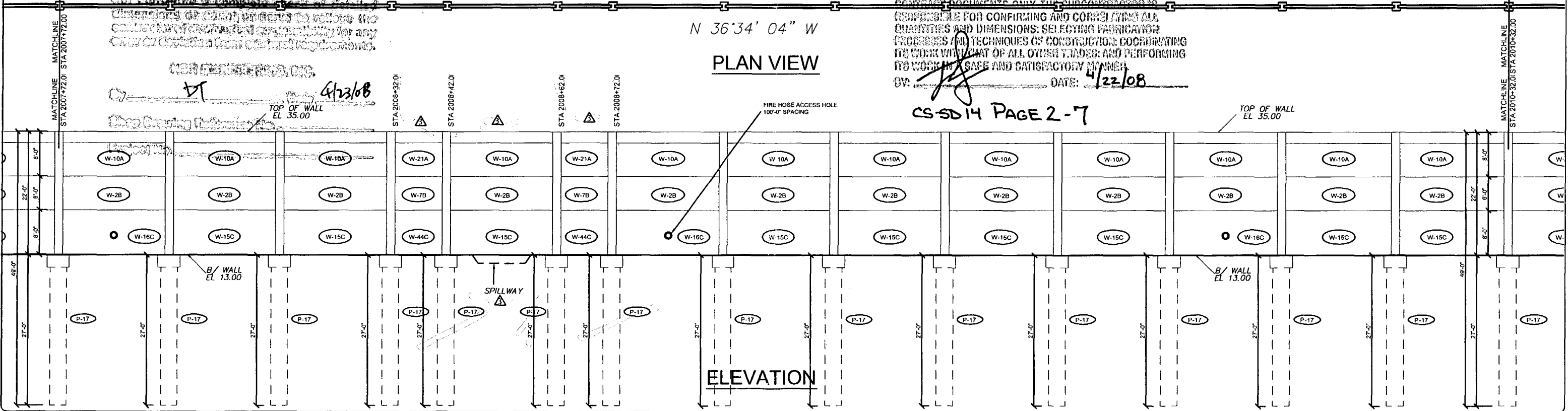
Florida Engineering Solutions  
C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33507  
Ph: 352/688-6311 Fax: 352/798-6411 Web: www.florida-engineering.com

DURATEK  
PRECAST TECHNOLOGIES  
The Edge in Perimeter Walls  
Concrete Pre-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
Toll Free: 800/754-3841 Ph: 352/798-6944 Fax: 352/798-6933 Website: www.duratek.net

SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
SHOP DRAWING (STA 2000+00.00 - 2005+10.00)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
PROJECT NO. 07-2055-701  
SHEET NO. X1.10



RELEASE FOR CONSTRUCTION  
 Signature: *[Signature]*  
 Date: 4/25/08



APPROVED AS NOTED  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 APPROVED FOR GENERAL COMPLIANCE WITH THE PERMITS DOCUMENTS ONLY. THE SUBMITTER IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 4/22/08

CS-SD14 PAGE 2-7

REV. NO.	DATE	DESCRIPTION
1	04/11/08	Comments from 07/1/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/11/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS:  
 BY HIR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 04/07 AND 10/07  
 BW-2-1 THRU BW-2-5 DATED 04/07

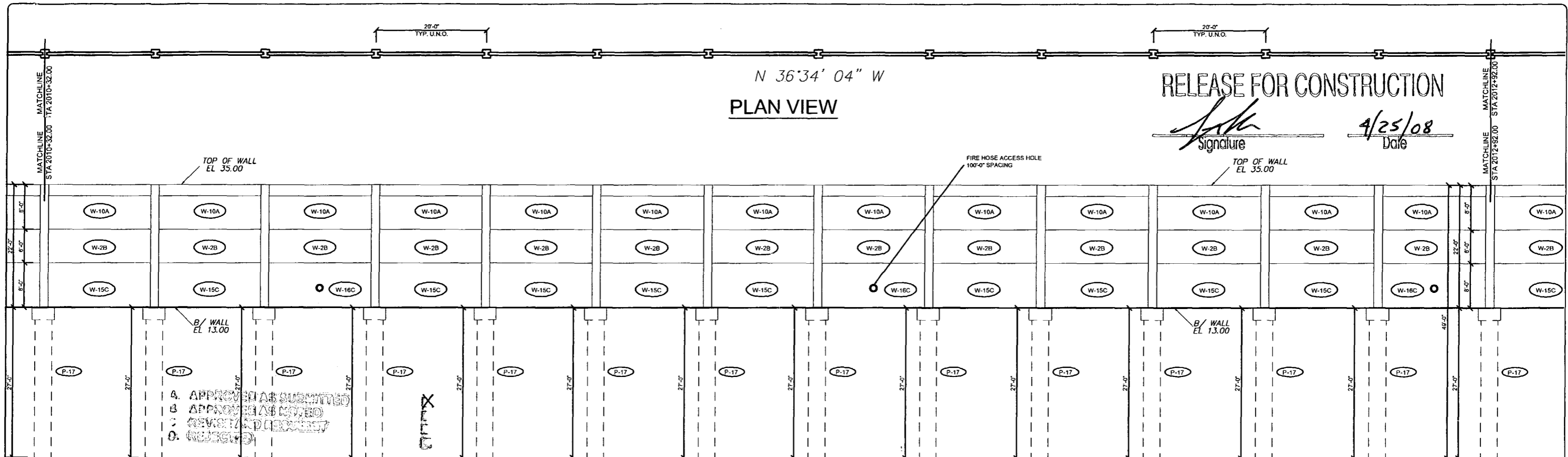
Drawn By: J.R.A.  
 Date: 01/10/08  
 Checked By: J.A.H.  
 Date: 01/15/08

**Florida Engineering Solutions**  
 C.A. No. 28390 - 12830 Cusley St. - Suite 101 - San Antonio, FL 33578  
 Ph: 352 / 686 - 6311 Fax: 352 / 686 - 6411 Web: www.floridaing.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 John A. Hoy, P.E.  
 Florida License Number 55312

**DURATEK** The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
 Toll Free: 800/754-3541 Ph: 352/766-6944 Fax: 352/766-6633 Website: www.duratek.net

SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
 SHOP DRAWING (STA 2005+10.00 - 2010+32.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO: 07-2055-701  
 SHEET NO: X1.11



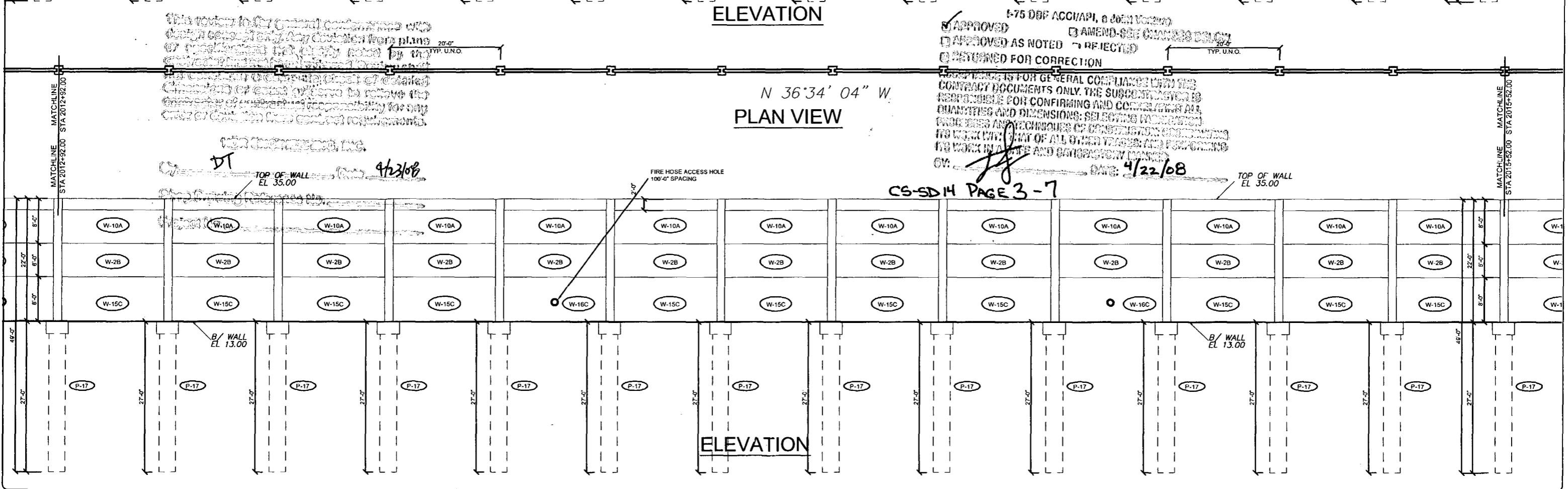
RELEASE FOR CONSTRUCTION  
 Signature: *[Signature]*  
 Date: 4/25/08

4. APPROVED AS SUBMITTED  
 5. APPROVED AS NOTED  
 6. REVISION REQUIRED  
 7. REJECTED

This review is for general compliance with the design concept only. Any deviation from plans or specifications not clearly noted by the engineer shall be the responsibility of the contractor. The contractor shall be responsible for any cost of correction from contract requirements.

APPROVED  AMEND-SEE CHANGES DESIGN  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION   
 RESPONSIBILITY FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 4/22/08

CS-SD14 PAGE 3-7



Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BW-1 THRU BW-4 DATED 8/03 AND 10/07  
 BW-2-1 THRU BW-2-3 DATED 8/07

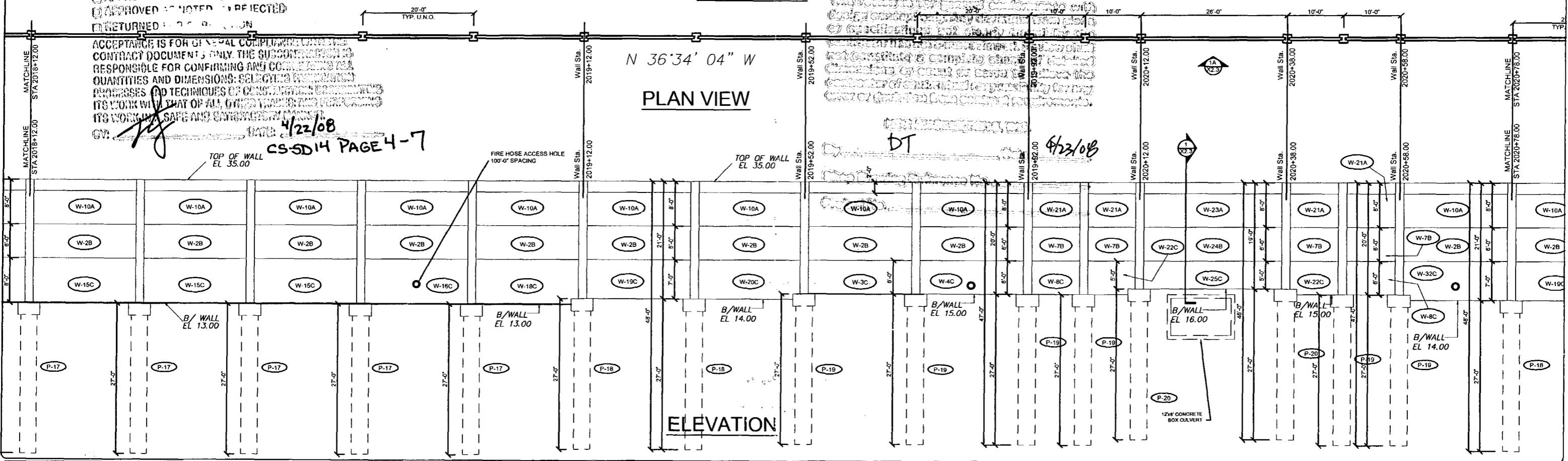
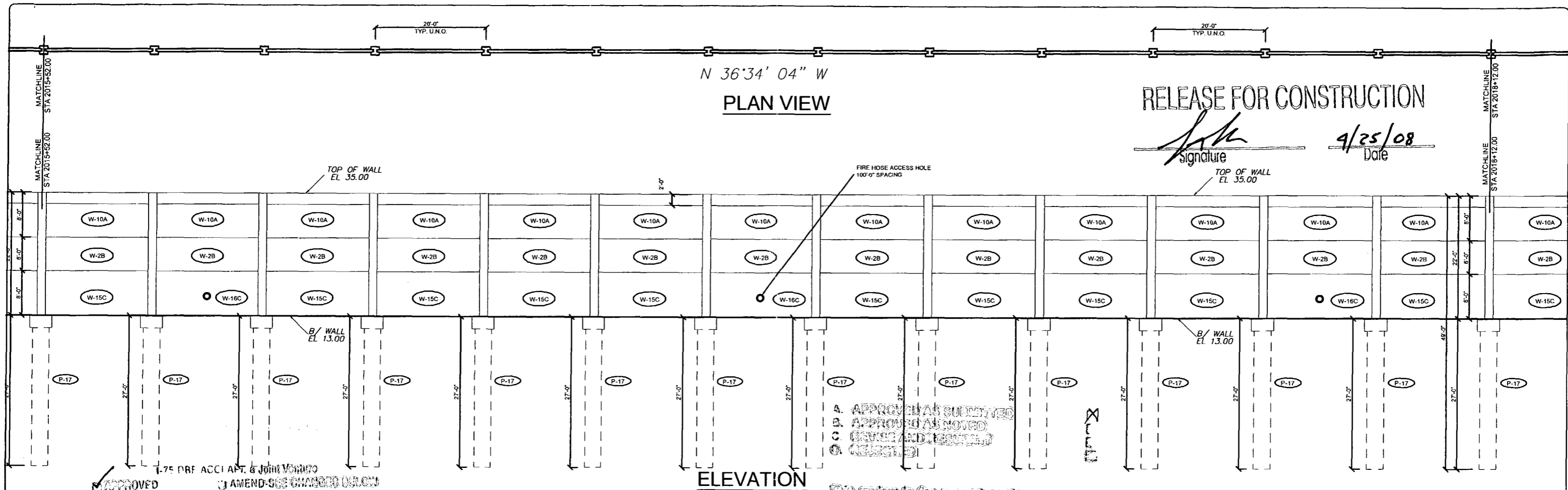
Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering**  
 C.A. No. 26300 - 12630 Curley Bl. - Suite 101 - San Antonio, FL 33678  
 Ph: 352/688-5311 Fax: 352/688-5411 Web: www.florida-engineering.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 April 18th, 2008  
 John A. Hoy, P.E.  
 Florida License Number 55312

**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Wall  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0820  
 Toll Free: 800/754-3641 Ph: 352/798-5944 Fax: 352/798-5933 Website: www.duratek.net

PROJECT NO. 07-7055-701  
 SHEET NO. X1.12  
 SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
 SHOP DRAWING (STA 2010+32.00 - 2015+52.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD



Rev. No.	Date	Description
1	02/18/08	Comments Received 02/18/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 907 AND 1007  
 BW-3-1 THRU BW-3-3 DATED 987

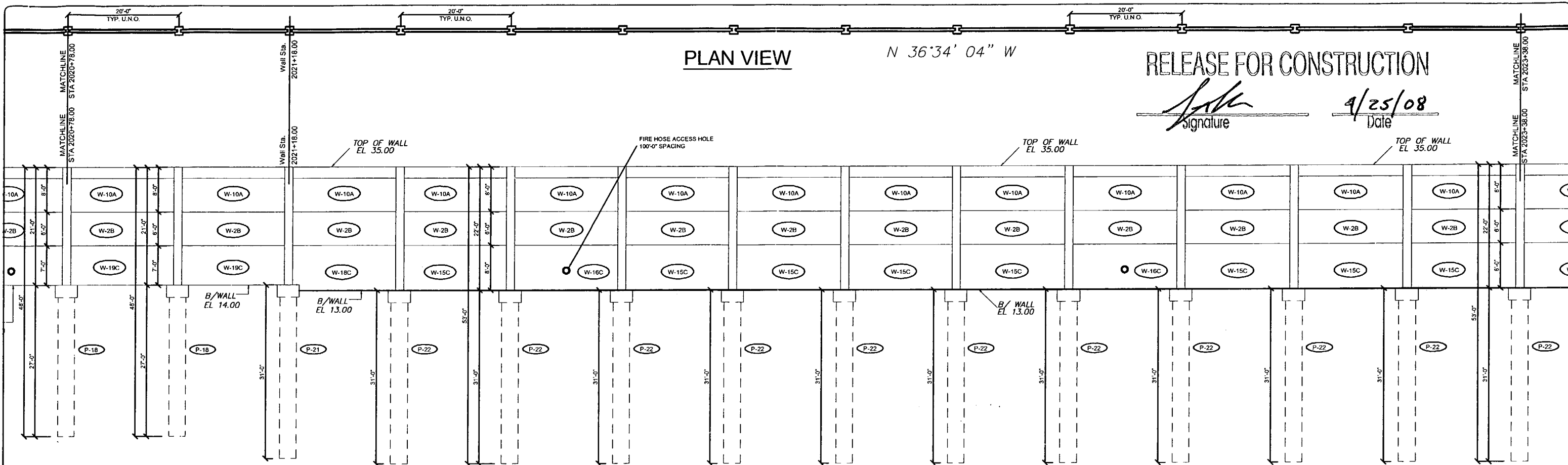
Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering**  
 C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33576  
 Ph: 352/588-5311 Fax: 352/588-5411 Web: www.florida-engineering.com

April 18th 2008  
 John A. Hay, P.E.  
 Florida License Number 65312

**DURATEK** The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6820  
 Toll Free: 800/754-3641 Fax: 352/796-5944 Fax: 352/796-5933 Website: www.duratek.net

SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
 SHOP DRAWING (STA 2015+52.00 - 2020+78.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO: 07-2055-701  
 SHEET NO: X1.13



**PLAN VIEW**

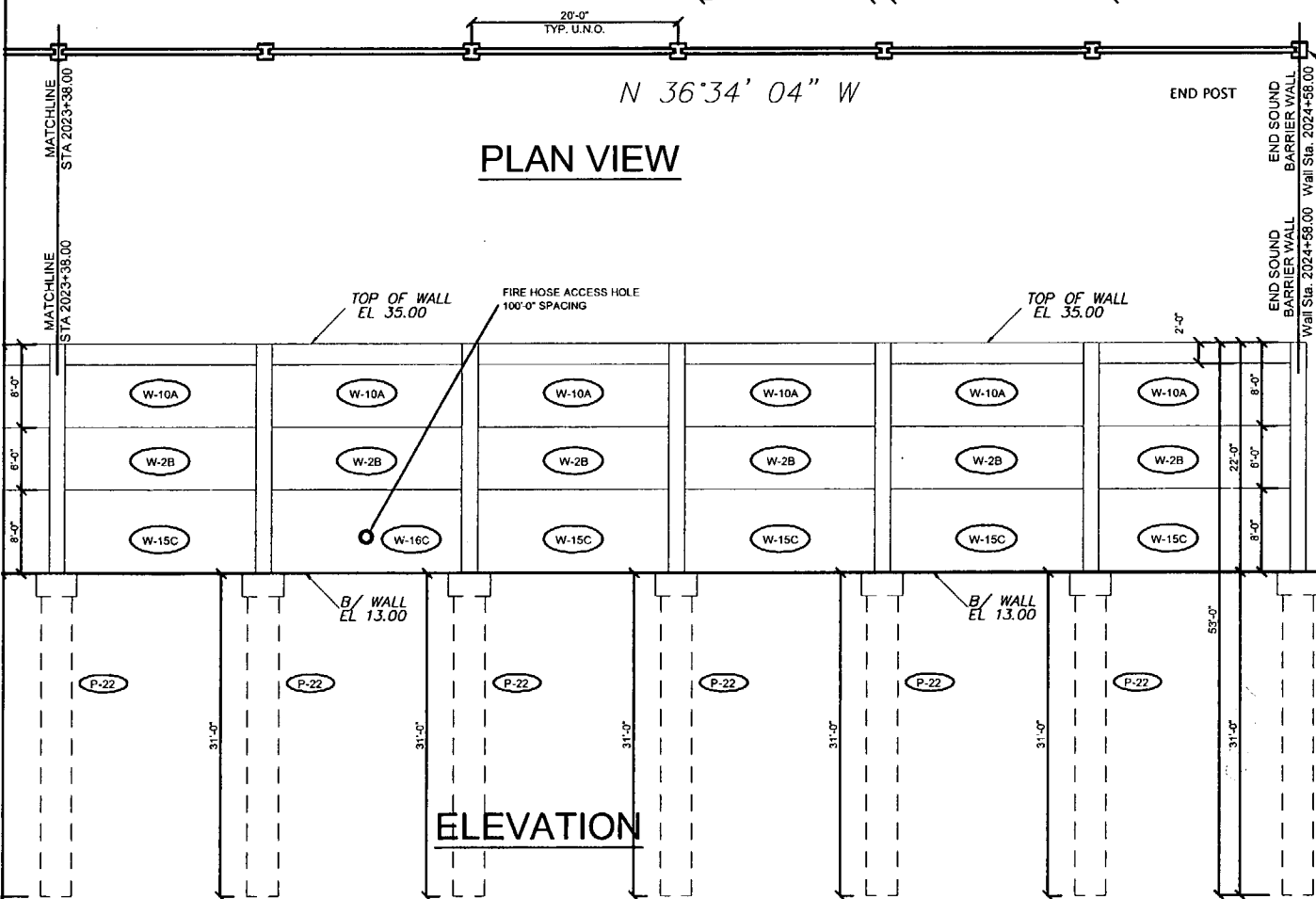
N 36°34'04" W

**RELEASE FOR CONSTRUCTION**

*[Signature]*  
Signature

4/25/08  
Date

**ELEVATION**



**PLAN VIEW**

N 36°34'04" W

END POST  
END SOUND BARRIER WALL 2 (SOUTHERN PINES)  
STA. 2024+58.00 B BW2  
STA. 246+37.69 P CONST. 1-75 (242.75' LT.)

APPROVED AMEND-SEE CHANGES BELOW  
APPROVED AS NOTED REFLECTED  
RETURNED FOR CORRECTION

APPROVED AS NOTED  
APPROVED AS NOTED  
REVISED AND RE-DRAWN  
CANCELED

APPROVED FOR GENERAL COMPLIANCE WITH THE  
GENERAL COMMENTS ONLY. THE SUBCONTRACTOR IS  
RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL  
DIMENSIONS AND DIMENSIONS; SELECTING PROPER  
ENGINEERING TECHNIQUES OF CONSTRUCTION; ESTABLISHING  
THE WORKING TIME OF ALL OTHER TRADES; AND PROVIDING  
THE WORKING TIME AND SCHEDULE FOR THE WORK.

DATE: 4/22/08

CS-SD14 PAGE 5-7

*[Faded text and signatures]*

DT 4/23/08

Rev. No.	Date	Description
1	02/18/08	Comments Received 02/18/08 - Fire Access Hole Locations - Foundation at Sidewalk
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HDR ENGINEERING, INC.  
BW-1 THRU BW-6 DATED 06/07 AND 10/07  
BW-2-1 THRU BW-2-3 DATED 06/07

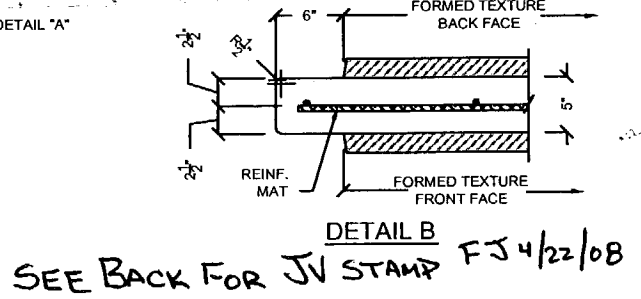
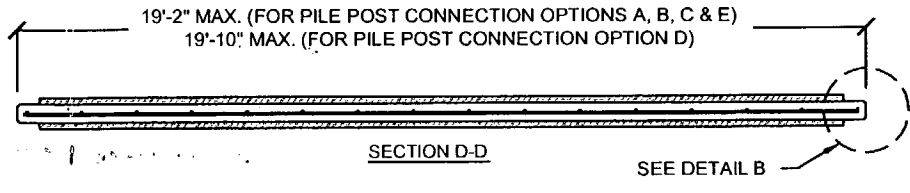
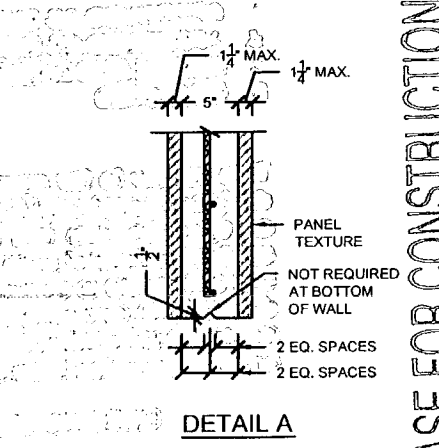
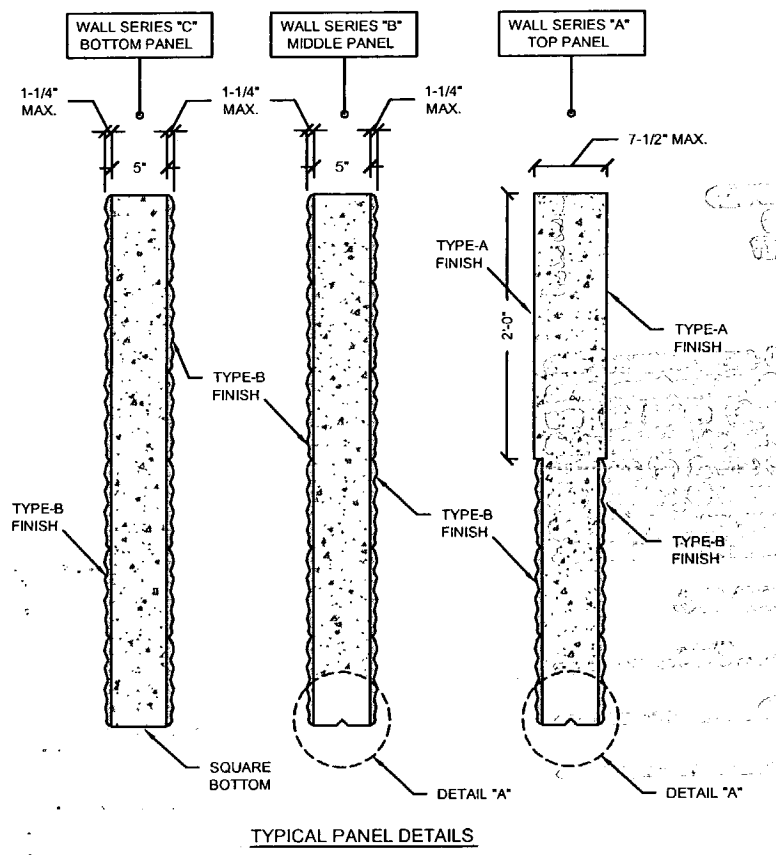
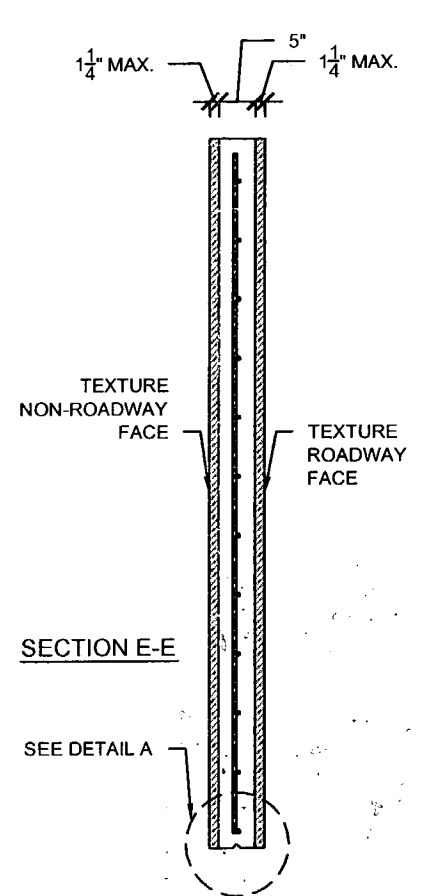
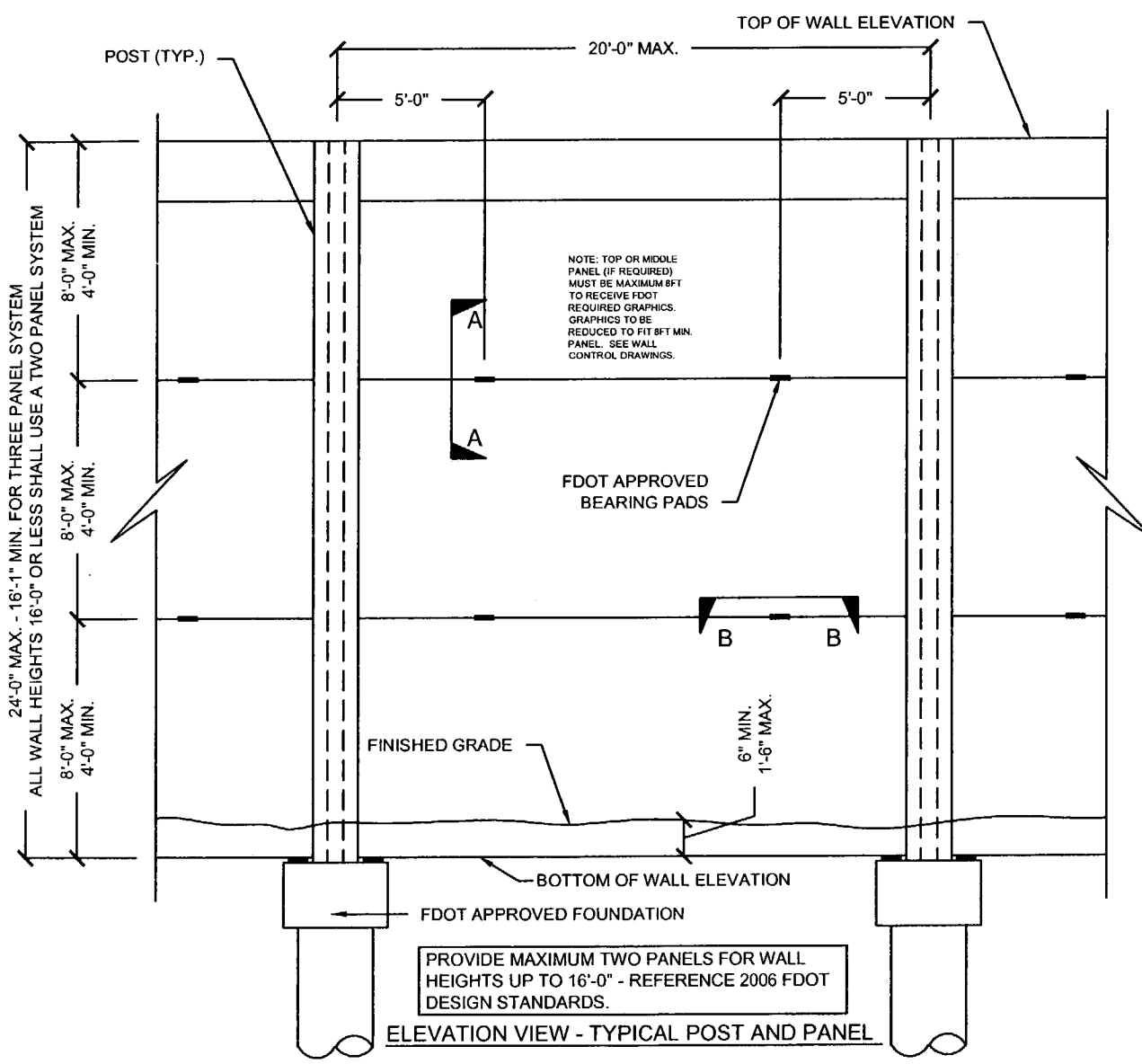
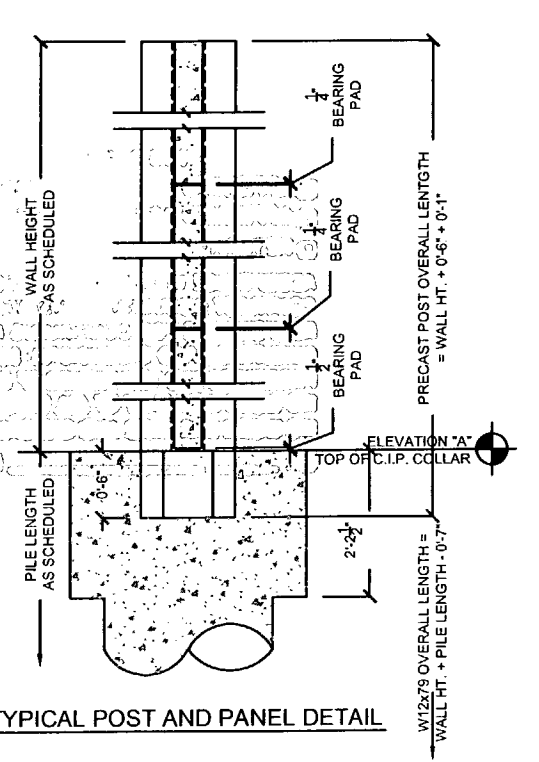
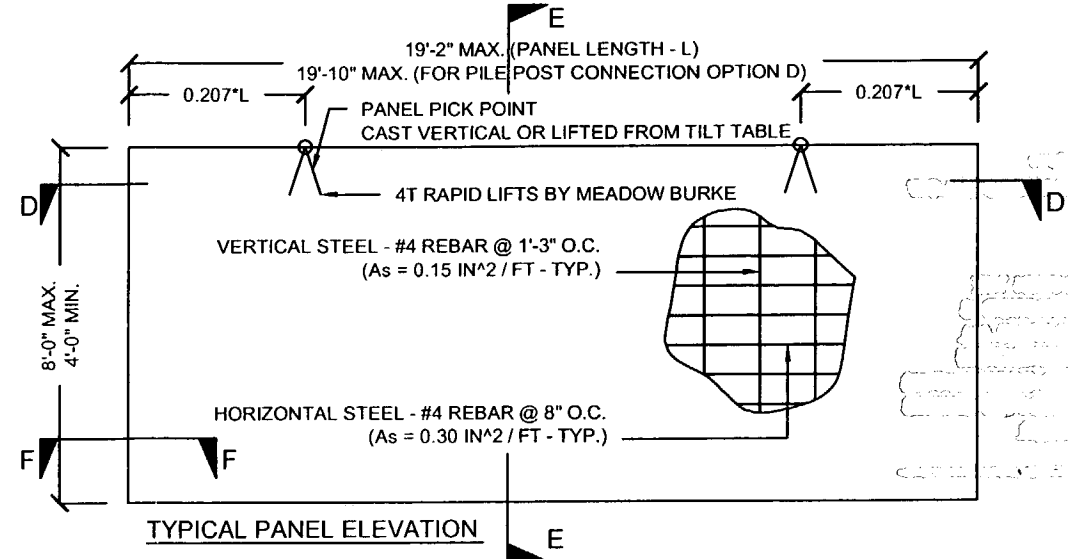
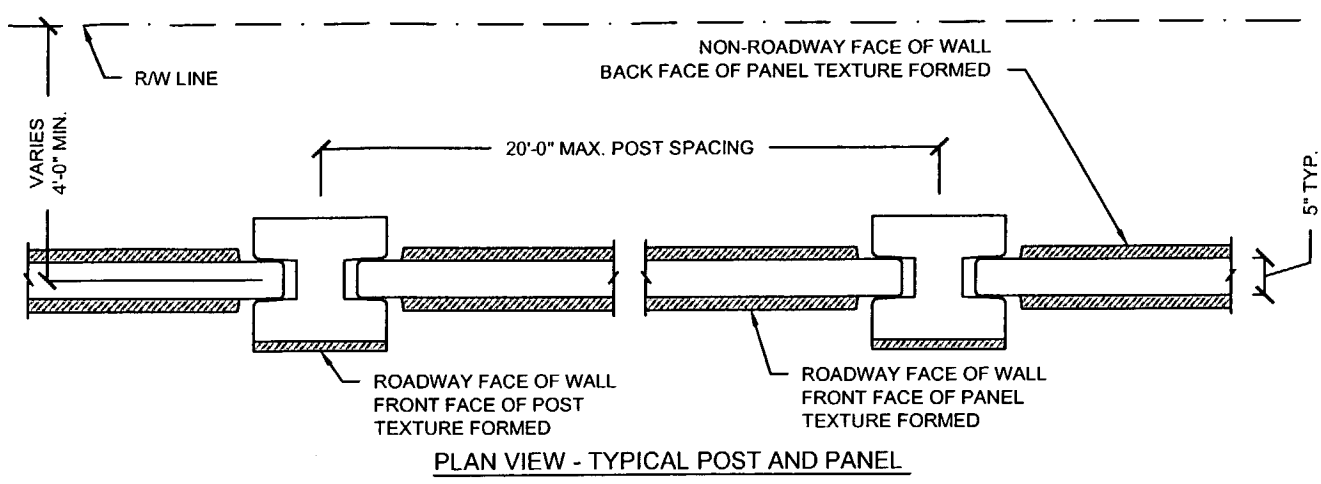
Drawn By: J.R.A.  
Date: 01/02/08  
Checked By: J.A.H.  
Date: 01/16/08

**Florida Engineering Solutions**  
C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, TX 78217  
Ph: 352 / 568 - 5311 Fax: 352 / 568 - 5411 Web: www.florida-engineering.com

**DURATEK**  
PRECAST TECHNOLOGIES  
April 18th, 2008  
John A. Hoy, P.E.  
Florida License Number 55312

**The Edge in Perimeter Walls**  
Concrete Pro cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8620  
Toll Free: 800/754-3641 Ph: 352/794-6944 Fax: 352/794-6933 Website: www.duratek.net

SOUND BARRIER WALL 2 (SOUTHERN PINES) PLAN AND ELEVATION  
SHOP DRAWING (STA 2020+78.00 - 2024+58.00 END OF WALL)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
PROJECT NO. 07-2055-701  
SHEET NO. X1.14



<b>GENERAL NOTES</b>		<b>TYPICAL PANELS AND POSTS</b>		<b>GRAPHICS AND TEXTURE DETAILS</b>		<b>FIRE HOSE ACCESS-HOLE &amp; DRAINAGE DETAILS</b>		<b>PILE / POST CONNECTION OPTIONS</b>		<b>FOUNDATION DEPTH AND REINFORCING</b>		<b>TYPICAL PANELS AND POSTS</b>	
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5200		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 WITH THE FOLLOWING EXCEPTIONS: 1) MAX PANEL HEIGHT = 8FT, 2) MAX. 1-1/4" FORMED TEXTURE FINISH ON NON-ROADWAY FACE OF WALL.		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5204		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5205 OPTIONS - C		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5206 AND THESE DRAWINGS		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 SECTION F-F	
<b>TEXTURE OPTIONS</b>		<b>SPECIAL PANELS AND POSTS</b>		<b>SECTION A-A</b>		<b>SECTION B-B</b>		<b>SECTION C-C</b>		<b>SECTION D-D</b>		<b>SECTION E-E</b>	
REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5201		REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203		SECTION "ELEVATION STEP AT BOTTOM OF WALL"									

Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/19/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC. BW-1 THRU BW-4 DATED 04/07 AND 10/07 BW-1 THRU BW-4 DATED 10/07

Drawn By: R.M.  
Date: 12/21/07  
Checked By: J.A.H.  
Date: 01/16/08

**Florida Engineering Solutions**  
C.A. No. 28300 - 12830 Curley Bl. - Suite 101 - San Antonio, FL 33573  
Ph: 352/668-5311 Fax: 352/668-5411 Web: www.floridaing.com

John A. Hoy, P.E.  
April 10, 2008  
Florida License Number 65312

**DURATEK**  
PRECAST TECHNOLOGIES  
The Edge in Perimeter Walls  
Concrete Pre-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8029  
Toll Free: 800/754-3841 Ph: 352/799-5944 Fax: 352/799-5833 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
PROJECT NO. 07-2055-701  
SHEET NO. X2.1

RELEASE FOR CONSTRUCTION

DATE 4/25/08

SIGNATURE

003 DPF ACCLAP: a John Ventura

APPROVED AS SHOWN - AVEND-SEE CHANGES BELOW

(APPROVED AS NOTED - BE FOTGD)

(RETURNED)

ASSURANCE IS FOR GENERAL COMPLIANCE WITH THE  
GOVERNMENT DOCUMENTS ONLY THE SUBJECTS  
SPECIFICATIONS FOR CONFIRMING AND CHECKING  
DIMENSIONS AND DIMENSIONS: DELAYED  
DIMENSIONS AND DIMENSIONS: DELAYED  
DIMENSIONS AND DIMENSIONS: DELAYED  
DIMENSIONS AND DIMENSIONS: DELAYED

*[Handwritten signature]*  
DATE: 4/22/08

CS-SD 14 PAGE 6-7

- 1. APPROVED AS SHOWN
- 2. APPROVED AS NOTED
- 3. APPROVED AS NOTED
- 4. APPROVED AS NOTED

DUPLICATE

This order (and any amendments) will  
be prepared and issued in accordance with  
the terms and conditions of the purchase  
order and any amendments thereto. The  
supplier shall be responsible for ensuring  
that the goods are delivered in accordance  
with the terms and conditions of the  
purchase order and any amendments thereto.  
The supplier shall be responsible for ensuring  
that the goods are delivered in accordance  
with the terms and conditions of the  
purchase order and any amendments thereto.

DATE: 4/23/08  
DT



I-75 DPT SCOTLAND, a Joint Venture

- APPROVED  AMEND-SEE CHANGES BELOW
- APPROVED AS NOTED  REJECTED
- RETURNED

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 4/22/08

CS-SD 14 PAGE 6-7

- APPROVED AS SUBMITTED
- APPROVED AS NOTED
- REVISE AND RESUBMIT
- REJECTED

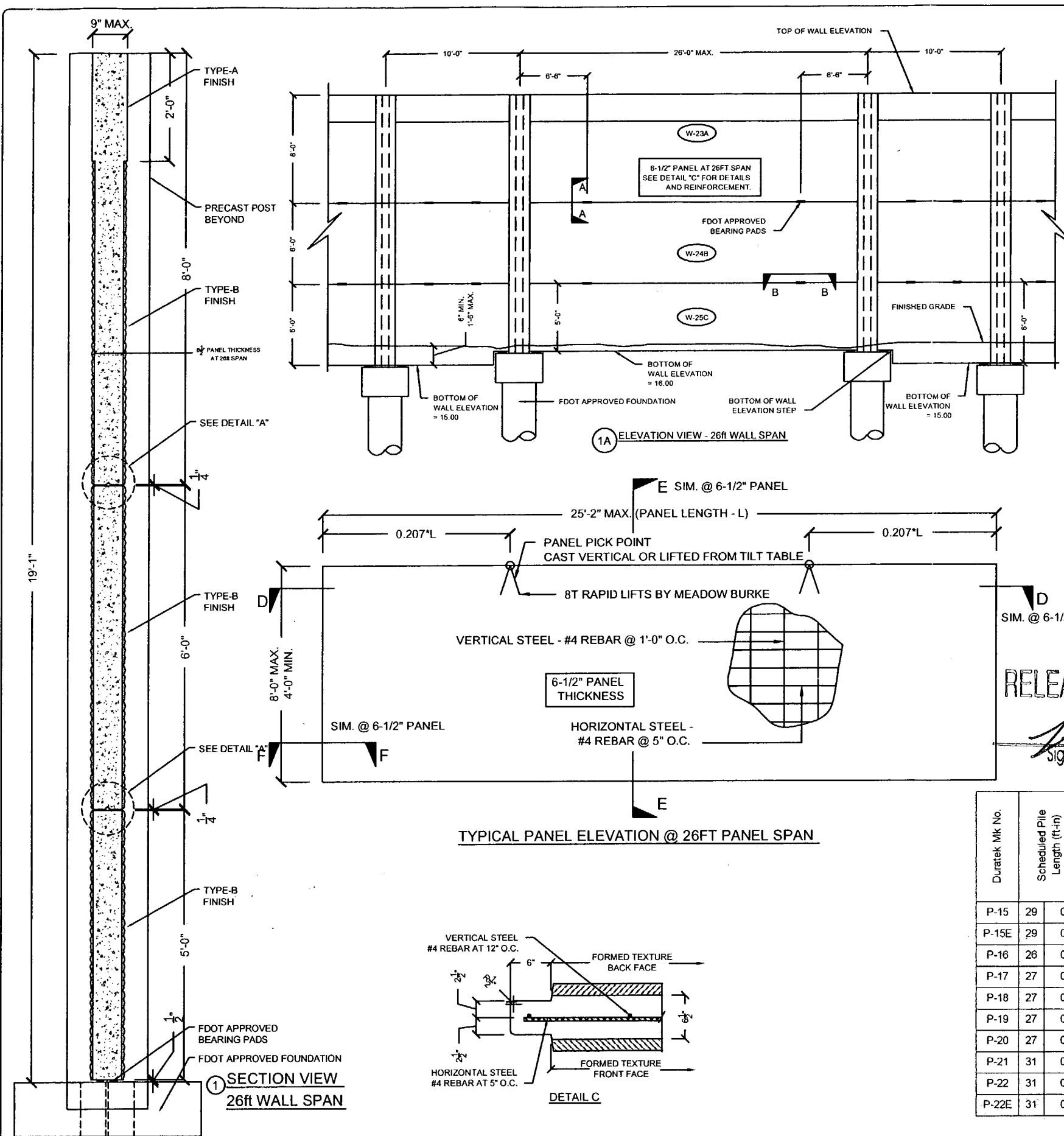
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By [Signature] Date 4/23/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_



DURATEK PRECAST WALL PANEL SCHEDULE  
SOUND BARRIER WALL (SOUTHERN PINES)

Duratek Mk No.	Panel Length (ft-in)	Panel Height (ft-in)	Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number					Total Panel Quantity	Total Panel Square Footage	Remarks		
						X1.10	X1.11	X1.12	X1.13	X1.14					
W-2B	19	2	6	0	5	Type-B	Type-B	21	17	26	23	19	106	12190.0	
W-3C	19	2	6	0	5	Type-B	Type-B				1		1	115.0	
W-4C	19	2	6	0	5	Type-B	Type-B				1		1	115.0	Fire Hose Access Hole
W-7B	9	2	6	0	5	Type-B	Type-B		2		4		6	330.0	
W-8C	9	2	6	0	5	Type-B	Type-B				2		2	110.0	
W-10A	19	2	8	0	5	Type-B	Type-B	21	17	26	23	19	106	16253.3	2ft Type-A Finish at Top
W-12B	17	2	6	0	5	Type-B	Type-B	5	10				15	1545.0	
W-15C	19	2	8	0	5	Type-B	Type-B	17	14	21	13	13	78	11960.0	
W-16C	19	2	8	0	5	Type-B	Type-B	4	3	5	4	3	19	2913.3	Fire Hose Access Hole
W-17C	17	2	8	0	5	Type-B	Type-B	3	7				10	1373.3	
W-18C	19	2	8	0	5	Type-B	Type-B				1	1	2	306.7	Bottom of Wall - Elev. Step
W-19C	19	2	7	0	5	Type-B	Type-B				1	2	3	402.5	
W-20C	19	2	7	0	5	Type-B	Type-B				1		1	134.2	Bottom of Wall - Elev. Step
W-21A	9	2	8	0	5	Type-B	Type-B		2				2	110.0	Bottom of Wall - Elev. Step
W-22C	9	2	6	0	5	Type-B	Type-B				2		2	110.0	Bottom of Wall - Elev. Step
W-23A	25	2	8	0	6.5	Type-B	Type-B				1		1	201.3	2ft Type-A Finish at Top
W-24B	25	2	6	0	6.5	Type-B	Type-B				1		1	151.0	
W-25C	25	2	5	0	6.5	Type-B	Type-B				1		1	125.8	
W-26A	17	2	8	0	5	Type-B	Type-B	4	9				13	1785.3	2ft Type-A Finish at Top
W-32C	19	2	7	0	5	Type-B	Type-B				1		1	134.2	Fire Hose Access Hole
W-41C	17	2	8	0	5	Type-B	Type-B	2	2				4		Fire Hose Access Hole
W-44C	9	2	8	0	5	Type-B	Type-B		2				2		
											<b>381</b>	<b>50696</b>			

RELEASE FOR CONSTRUCTION  
 Signature: *[Signature]*  
 Date: 4/25/08

SEE BACK FOR JV STAMP FJ 4/22/08

DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (SOUTHERN PINES)

Duratek Mk No.	Scheduled Pile Length (ft-in)	Scheduled Wall Height (ft-in)	Precast Post Length (ft-in)	W12x79 Overall Length (ft-in)	Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number					Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)	Remarks			
							X1.10	X1.11	X1.12	X1.13	X1.14								
P-15	29	0	22	0	22	7	50	5	Type-A	Type-A	14				14	316.2	705.8	557.6	
P-15E	29	0	22	0	22	7	50	5	Type-A	Type-A	1				1	22.6	50.4	39.8	END POST
P-16	26	0	22	0	22	7	47	5	Type-A	Type-A	4				4	90.3	189.7	149.8	
P-17	27	0	22	0	22	7	48	5	Type-A	Type-A	7	28	26	18	79	1784.1	3824.9	3021.7	
P-18	27	0	21	0	21	7	47	5	Type-A	Type-A			2	2	4	86.3	189.7	149.8	
P-19	27	0	20	0	20	7	46	5	Type-A	Type-A			6		6	123.5	278.5	220.0	
P-20	27	0	19	0	19	7	45	5	Type-A	Type-A			2		2	39.2	90.8	71.8	
P-21	31	0	21	0	21	7	51	5	Type-A	Type-A				1	1	21.6	51.4	40.6	
P-22	31	0	22	0	22	7	52	5	Type-A	Type-A				16	16	361.3	838.7	662.5	
P-22E	31	0	22	0	22	7	52	5	Type-A	Type-A				1	1	22.6	52.4	41.4	END POST
											<b>128</b>	<b>2867.7</b>	<b>6272.3</b>	<b>4955.1</b>					

Rev. No.	Date	Description
1	02/13/08	Comments Revised for 01/08 - Fire Access Hole Locations - Foundation at Spillway
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 06/7 AND 10/07  
 BW-2-1 THRU BW-2-5 DATED 06/7

Drawn By: J.R.A.  
 Date: 01/02/08  
 Checked By: J.A.H.  
 Date: 01/18/08

C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33158  
 Ph: 352 / 588 - 5311 Fax: 352 / 588 - 5411 Web: www.floridaing.com

April 16th, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

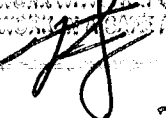
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2100 American Flyer Way Brooksville, FL 34604-6820  
 Toll Free: 800/754-3941 Ph: 352/790-5944 Fax: 352/790-5933 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X2.3

APPROVED  
 APPROVED-CLB CHANGED OR NEW  
 DISAPPROVED-REWORK  
 DISAPPROVED-REWORK


THIS DRAWING IS FOR GENERAL COMPLIANCE WITH THE  
 CONCRETE DOCUMENTS ONLY. THE CONTRACTOR SHALL  
 BE RESPONSIBLE FOR CONFIRMING AND VERIFYING ALL  
 DIMENSIONS AND QUANTITIES AND SHALL BE RESPONSIBLE  
 FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS  
 FROM ALL AFFECTED AGENCIES AND AGENCIES  
 TO WHICH THE WORK IS TO BE PERFORMED.

 4/22/08

CS-SD14 PAGE 7-7

- A. APPROVED AS SHOWN
- B. APPROVED AS NOTED
- C. CHANGE AS NOTED
- D. REJECTED

THIS DRAWING IS FOR GENERAL COMPLIANCE WITH  
 THE CONCRETE DOCUMENTS ONLY. THE CONTRACTOR SHALL  
 BE RESPONSIBLE FOR CONFIRMING AND VERIFYING ALL  
 DIMENSIONS AND QUANTITIES AND SHALL BE RESPONSIBLE  
 FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS  
 FROM ALL AFFECTED AGENCIES AND AGENCIES  
 TO WHICH THE WORK IS TO BE PERFORMED.

THE PROJECTING ENGINEER,  
 BY  4/23/08  
 State Drawing (Professional)  
 Project No.

I-75 DOB ACCMAPI, a Joint Venture

- APPROVED       AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED       REJECTED  
 RETURNED FOR REVISION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature]      DATE: 4/22/08

CS-SD14 PAGE 7-7

- A. APPROVED AS SUBMITTED        
B. APPROVED AS NOTED        
C. REVISE AND RESUBMIT        
D. REJECTED

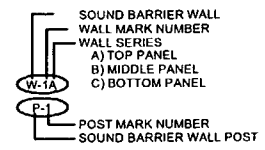
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By: [Signature]      Date: 4/23/08

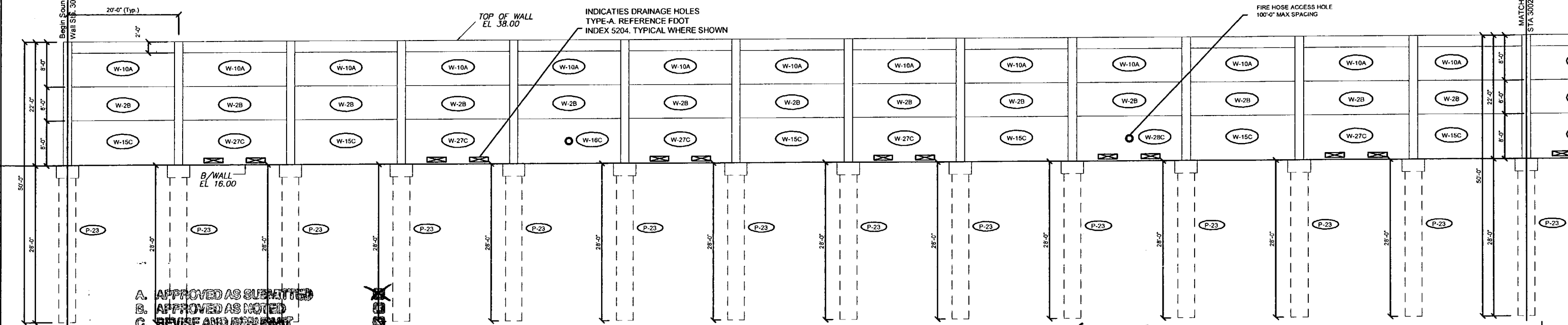
Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_



BEGIN SOUND BARRIER WALL 3  
(CORKSCREW WOODLANDS)  
STA. 3000+00.00 @ BW3  
STA. 493+00.00 @ SURVEY I-75 (151.00' LT.)

### PLAN VIEW



### ELEVATION

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to release the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
Date: 2/26/08

Shop Drawing Reference No. \_\_\_\_\_  
Project No. \_\_\_\_\_

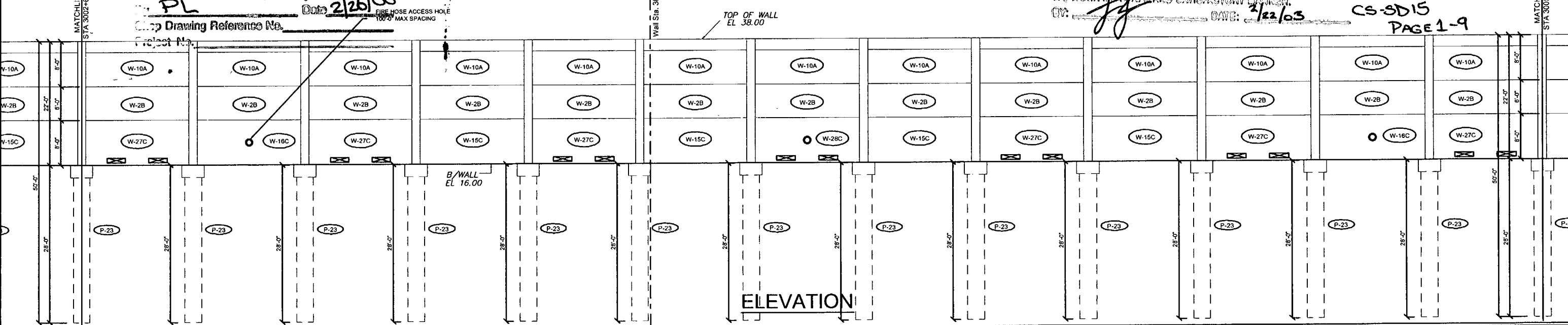
I-75 DSR ACC/AFI, a Jera Ventura  
 APPROVED  
 APPROVED AS NOTED  
 REJECTED  
 RETURNED FOR CORRECTION

AGREEMENT IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION METHODS AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 2/22/08 CS-SD15 PAGE 1-9

PT. 3003+61.96 @ BW3  
STA. 496+71.76 @ SURVEY I-75 (151.00' LT.)  
N 18°18' 02" W

### PLAN VIEW



### ELEVATION

Rev. No.	Date	Description
1	02/18/08	Comments Rec'd 02/18/08 - Fire Access Hole Locations - Foundation at Soilway

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HDR ENGINEERING, INC.  
BW-1 THRU BW-6 DATED 06/7 AND 10/07  
BW-3 THRU BW-3 DATED 06/07

Drawn By: J.R.A.  
Date: 01/07/08  
Checked By: J.A.H.  
Date: 01/18/08

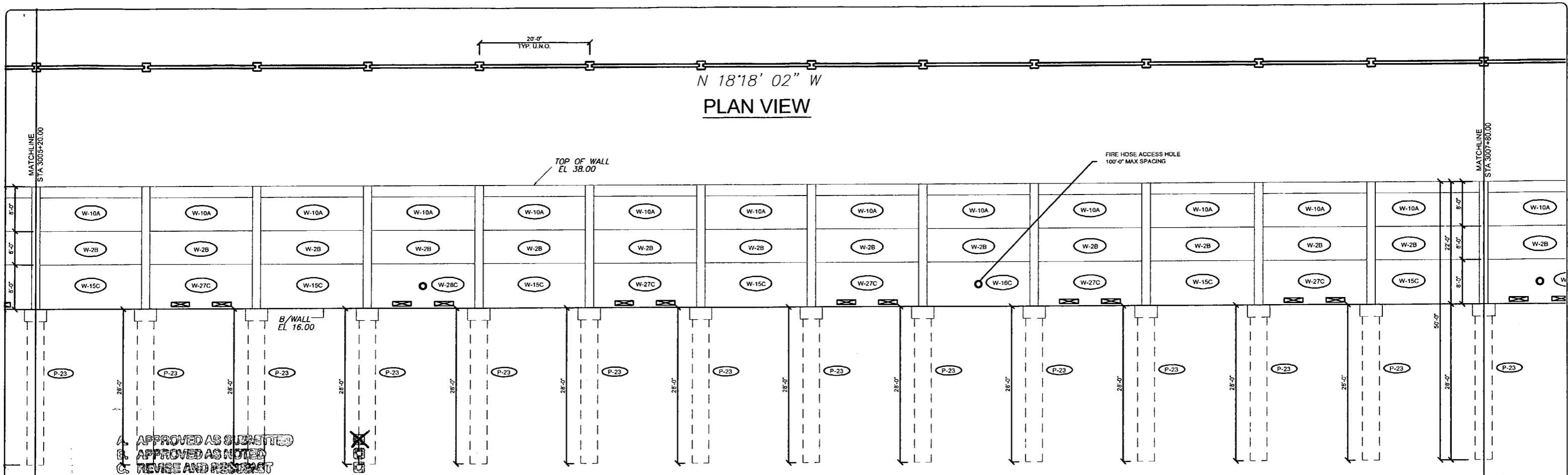
C.A. No. 28300 - 12630 Cayley St. - Suite 101 - San Antonio, FL 33578  
Ph: 352/588-6311 Fax: 352/588-5411 Web: www.florida-engineering.com

John A. Hoy, P.E.  
Florida License Number 65312

**The Edge in Perimeter Walls**  
Concrete Pre-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8820  
Toll Free: 800/754-3641 Ph: 352/795-8444 Fax: 352/795-5933 Website: www.duratek.net

SOUND BARRIER WALL 3 (CORKSCREW WOODLANDS) PLAN AND ELEVATION SHOP DRAWING (STA 3000+00.00 - 3005+20.00)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
SHEET NO. X1.15



N 18'18' 02" W  
PLAN VIEW

ELEVATION

N 18'18' 02" W  
PLAN VIEW

ELEVATION

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. This review does not constitute a complete check of detailed dimensions or count or serve to release the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
By PL Date 2/26/08  
Shop Drawing Reference No. \_\_\_\_\_  
Project No. \_\_\_\_\_

- APPROVED
- APPROVED AS NOTED
- REJECTED
- RETURNED FOR CORRECTION

AGREEMENT IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.  
BY: \_\_\_\_\_ DATE: 2/22/08

CS-SD15  
PAGE 2-9

Rev. No.	Date	Description
02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway	

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HDR ENGINEERING, INC.  
DWG# THRU DWG# DATED 0907 AND 1007  
BW3-1 THRU BW3-3 DATED 0607

Drawn By: J.R.A.  
Date: 01/07/08  
Checked By: J.A.H.  
Date: 01/16/08

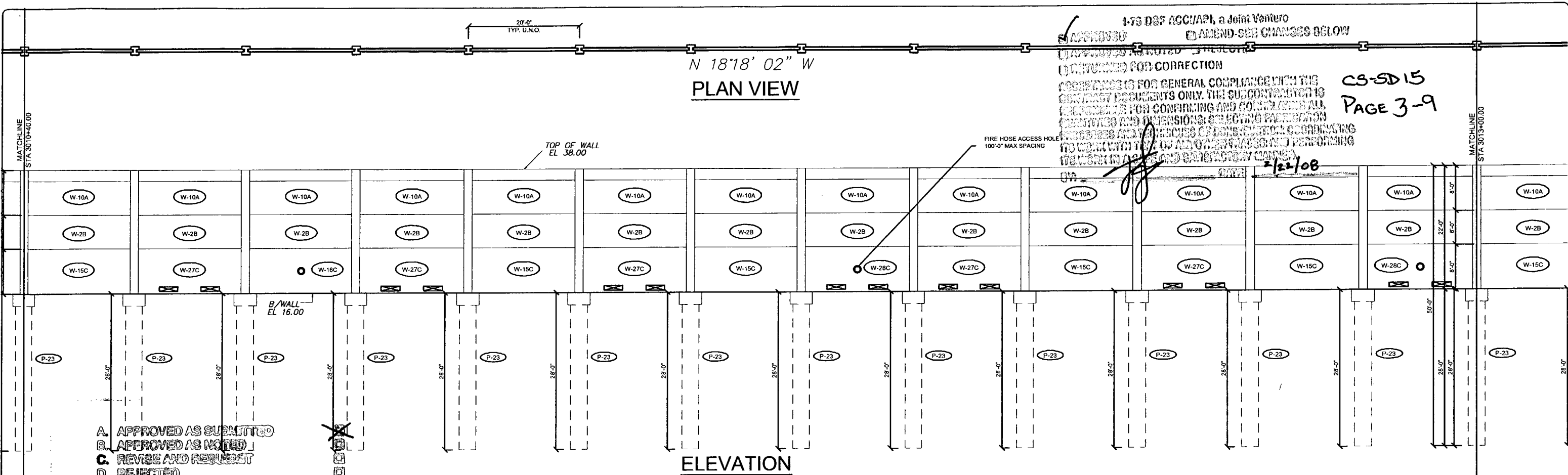
**Florida Engineering Solutions**  
C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33576  
Ph: 352 / 688 - 6311 Fax: 352 / 688 - 6411 Web: www.florida-engineering.com

**DURATEK**  
PARCART TECHNOLOGIES  
February 21st, 2008  
John A. Hoy, P.E.  
Florida License Number 65312

**The Edge in Perimeter Walls**  
Concrete Pro-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
Toll Free: 800/154-3541 Ph: 352/798-5044 Fax: 352/798-5833 Website: www.duratek.net

SOUND BARRIER WALL 3 (CORKSCREW WOODLANDS) PLAN AND ELEVATION SHOP DRAWING (STA 3005+20.00 - 3010+40.00)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
SHEET NO. X1.16



1-75 D&F ACC/A&P, a Joint Venture  
 APPROVED AS NOTED  
 (RETURNED FOR CORRECTION)  
 RESPONSIBILITY FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL DIMENSIONS AND DIMENSIONS, SELECTING FACTORON PRODUCTS AND FINISHES OF CONSTRUCTION COORDINATING TO WORK WITH THE OTHER CONTRACTORS AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 2/26/08

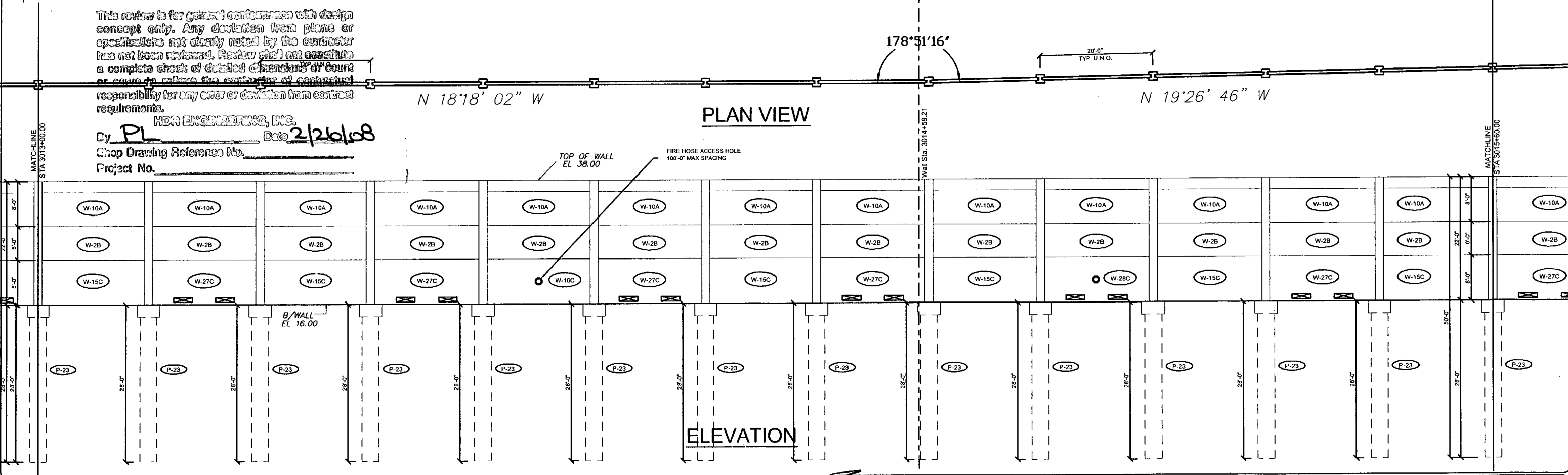
CS-SD15  
 PAGE 3-9

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of details of materials or quantities or cause to release the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By PL Date 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



178°51'16"

Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-4 DATED 9/97 AND 10/97  
 BW-5-1 THRU BW-5-3 DATED 9/97

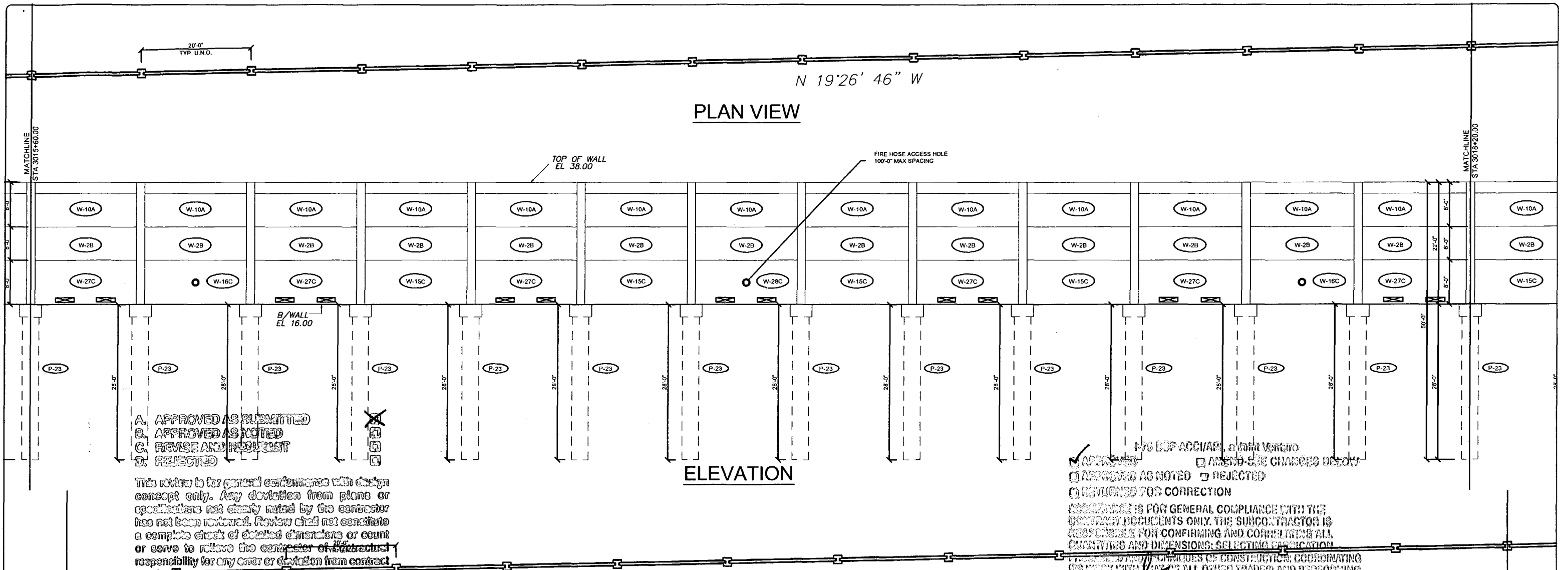
Drawn By: J.R.A.  
 Date: 01/07/08  
 Checked By: J.A.H.  
 Date: 01/11/08

**Florida Engineering Solutions**  
 C.A. No. 28300 - 12630 Curley St., Suite 101 - San Antonio, FL 33508  
 Ph: 352/688-5311 Fax: 352/688-5411 Web: www.floridaing.com

**DURATEK** PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-5529  
 Toll Free: 800/754-3941 Ph: 352/796-5944 Fax: 352/796-5933 Website: www.duratek.net

SOUND BARRIER WALL 3 (CORKSCREW WOODLANDS) PLAN AND ELEVATION SHOP DRAWING (STA 3010+40.00 - 3015+60.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.17

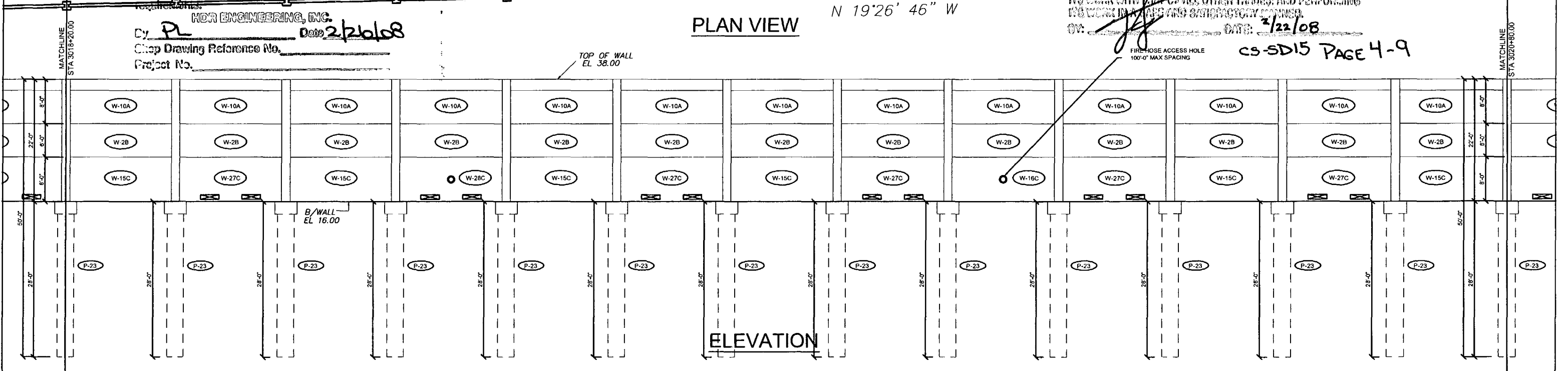


- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of structural responsibility for any error or deviation from contract requirements.

- APPROVED
- APPROVED AS NOTED
- RETURNED FOR CORRECTION
- AMEND - SEE CHANGES BELOW
- REJECTED

AGREEMENT IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING SPECIFICATION PRODUCTS AND METHODS OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.



HDR ENGINEERING, INC.  
 By: PL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

DATE: 2/22/08  
 CS-SD15 PAGE 4-9

Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations - Foundation at Spillway

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 007 AND 1007  
 BW3-1 THRU BW3-3 DATED 007

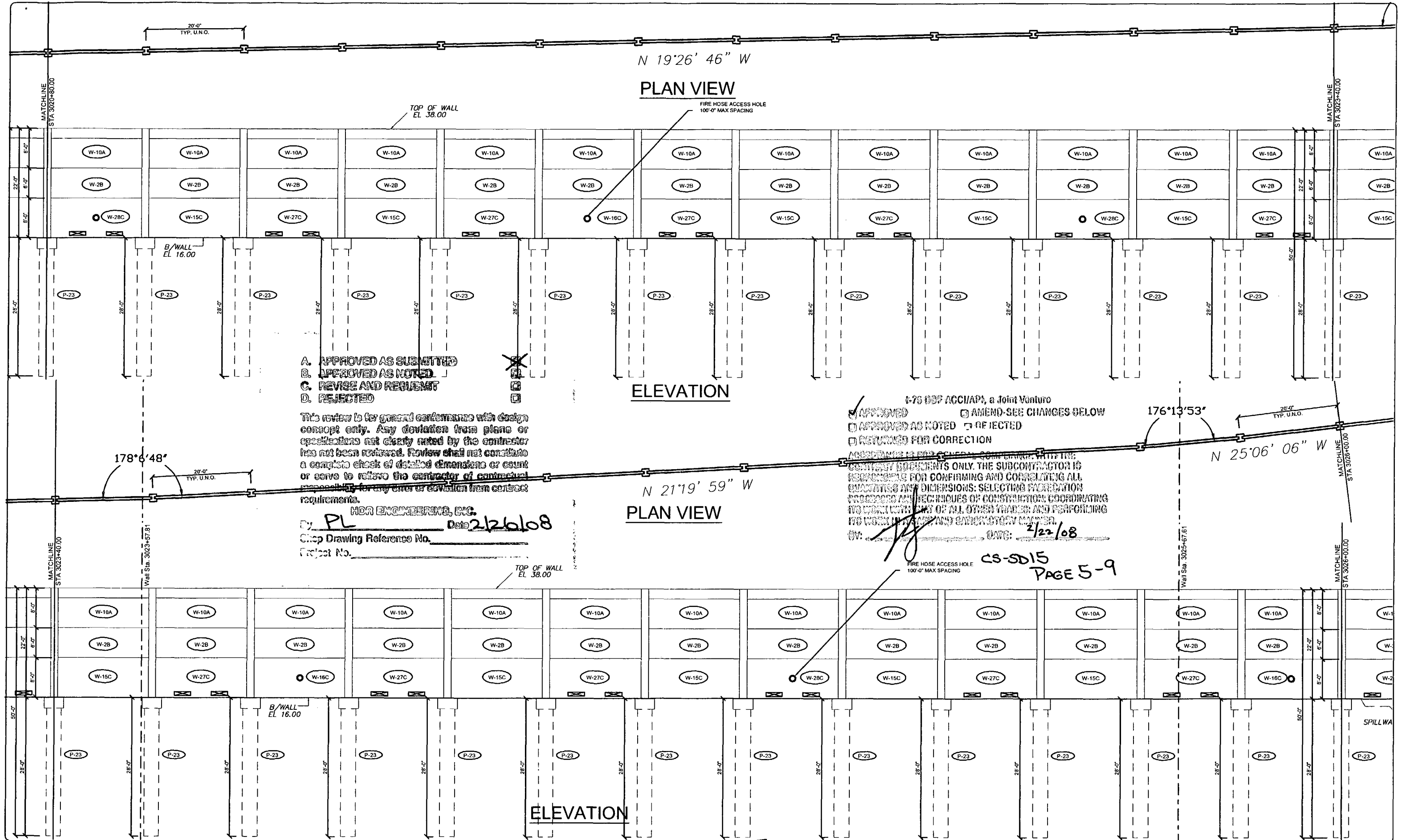
Drawn By: J.R.A.  
 Date: 01/07/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**  
 C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33578  
 Ph: 852 / 688 - 6311 Fax: 352 / 688 - 6411 Web: www.florida-engineering.com

**DURATEK** PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pro-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0829  
 John A. Hoy, P.E. Florida License Number 66312  
 Toll Free: 800-764-3641 Ph: 352-795-6044 Fax: 352-795-6933 Website: www.duratek.net

PROJECT NO. 07-2055-701  
 SHEET NO. X1.18  
 SOUND BARRIER WALL 3 (CORKSCREW WOODLANDS) PLAN AND ELEVATION SHOP DRAWING (STA 3015+60.00 - 3020+80.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD





- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND REQUIR
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibilities for any error or deviation from contract requirements.

MDR ENGINEERING, INC.  
 By: PL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

I-75 DBF ACCI/AP, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 AGREEMENT IS FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH ANY OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 2/22/08

CS-SD15  
 PAGE 5-9

Rev. No.	Date	Description
02/18/08	02/18/08	Comments Received 02/18/08 - Fire Access Hole Locations - Foundation at Spillway

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 DW-1 THRU DW-6 DATED 09/01 AND 10/07  
 DW-3-1 THRU DW-3-3 DATED 07/07

Drawn By: J.R.A.  
 Date: 01/07/08  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**  
 C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33570  
 Ph: 562 / 688 - 6311 Fx: 352 / 688 - 6411 Web: www.florida-engineering.com

February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**DURATEK**  
 PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6529  
 Toll Free: 800/754-3641 Ph: 352/790-5944 Fx: 352/790-5933 Website: www.duratek.net

SOUND BARRIER WALL 3 (CORKSCREW WOODLANDS) PLAN AND ELEVATION SHOP DRAWING (STA 3020+80.00 - 3026+00.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

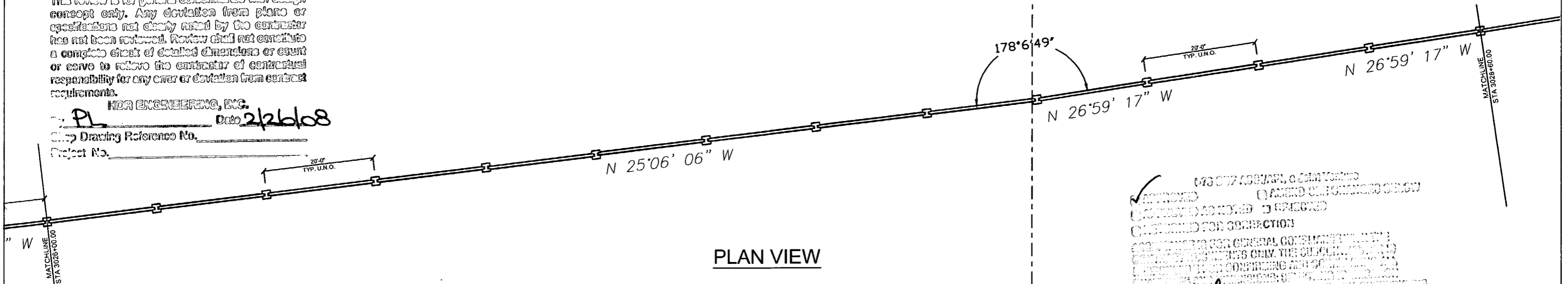
PROJECT NO. 07-2055-701  
 SHEET NO. X1.19

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED



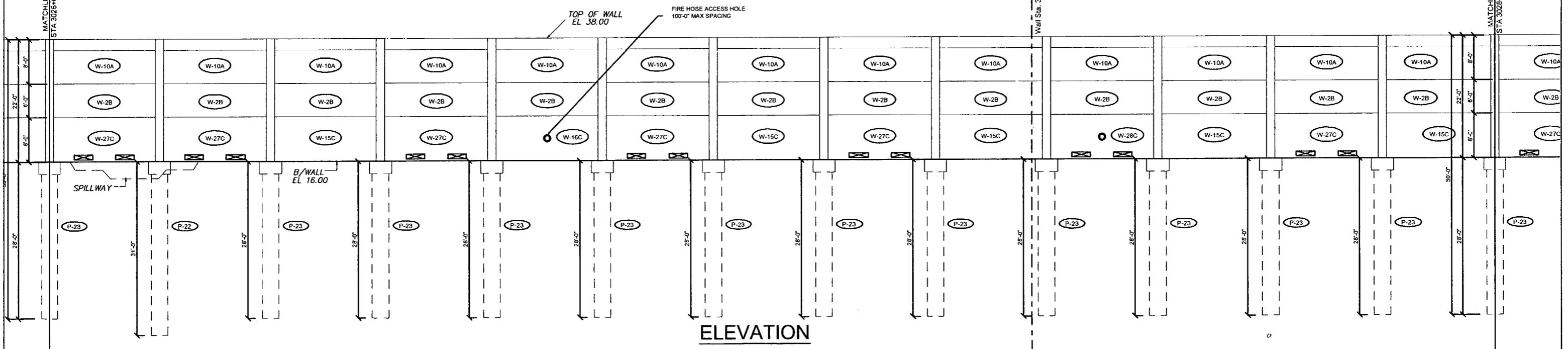
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

BY: PL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



PLAN VIEW

APPROVED  
 APPROVED AS NOTED  
 REVISED FOR CORRECTION  
 CONTRACTOR TO USE GENERAL GOVERNMENT PRINTING OFFICE TYPESETTING ONLY. THIS DOCUMENT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.  
 J.A.H. 2/22/08  
 CS-SD15 PAGE 6-9



ELEVATION

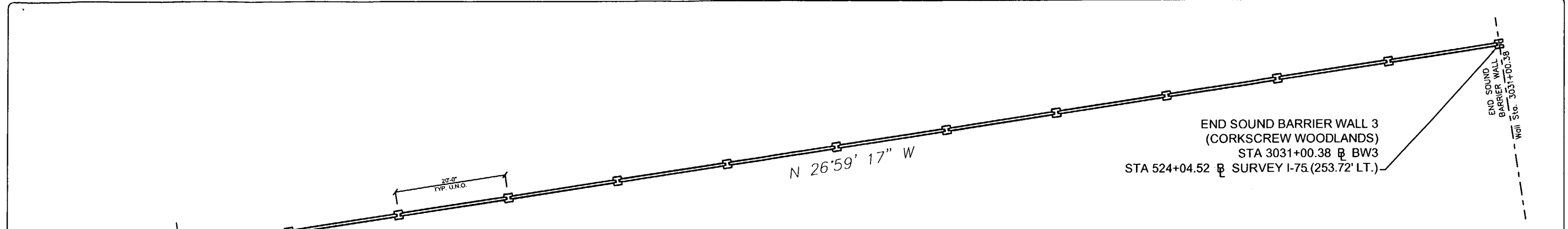
REVISIONS		SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS		DRAWN BY		DURATEK		PROJECT NO.	
Rev. No.	Date	Description	BY	Date	Drawn By	Date	Project No.	Date	Sheet No.
1	02/18/08	Comments Rec'd 02/18/08 - Fire Access Hole Locations - Foundation & Spillway	BY HDR ENGINEERING, INC. BW-1 THRU BW-5 DATED 06/7 AND 10/07 BW-1 THRU BW-3 DATED 06/7	01/07/08	J.R.A.	February 21st, 2008	07-2055-701	07-2055-701	X1.20
					J.A.H.	John A. Hoy, P.E. Florida License Number 55312			
					01/18/08				



February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 55312

**DURATEK**  
 PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6629  
 Toll Free: 800/754-3641 Ph: 352/798-6944 Fax: 352/798-6933 Website: www.duratek.net

SOUND BARRIER WALL 3 (CORKSCREW WOODLANDS) PLAN AND ELEVATION SHOP DRAWING (STA 3026+00.00 - 3028+60.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.20



**PLAN VIEW**

END SOUND BARRIER WALL 3  
 (CORKSCREW WOODLANDS)  
 STA 3031+00.38 @ BW3  
 STA 524+04.52 @ SURVEY I-75 (253.72' LT.)

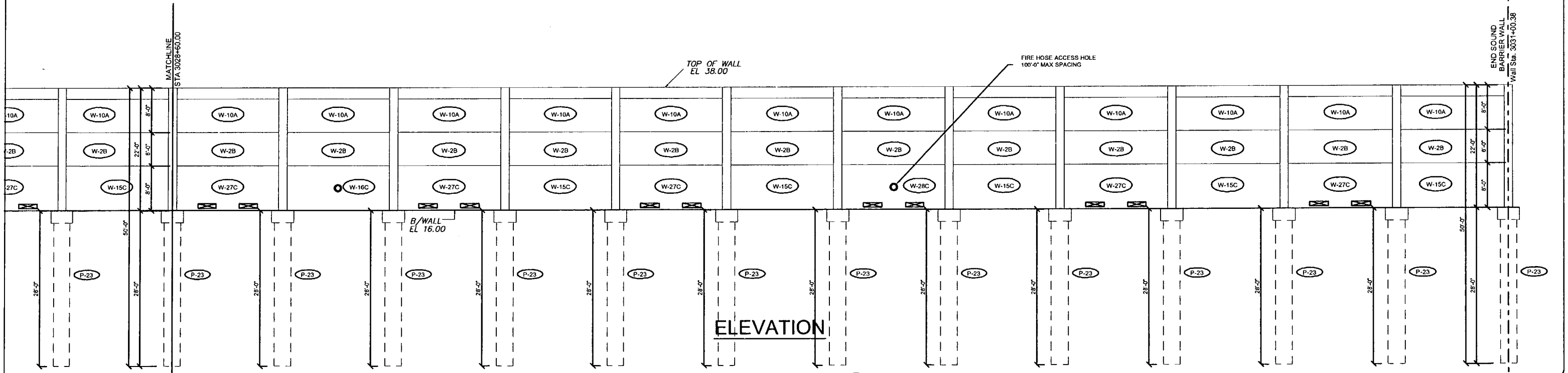
- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 Date: 2/26/08  
 Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

APPROVED  AMEND-SEE CHANGES BELOW   
 APPROVED AS NOTED  REJECTED   
 RETURNED FOR CORRECTION   
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FACTORY PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 2/22/08

CS-SD 15  
 PAGE 7-9



**ELEVATION**

Rev. No.	Date	Description
1	02/11/08	Comments Rec'd 02/11/08 - Fire Access Hole Locations - Foundation at Splitway

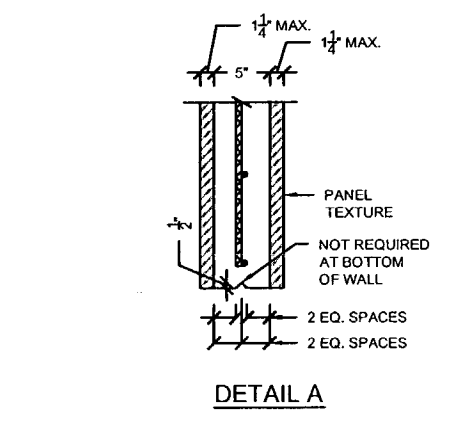
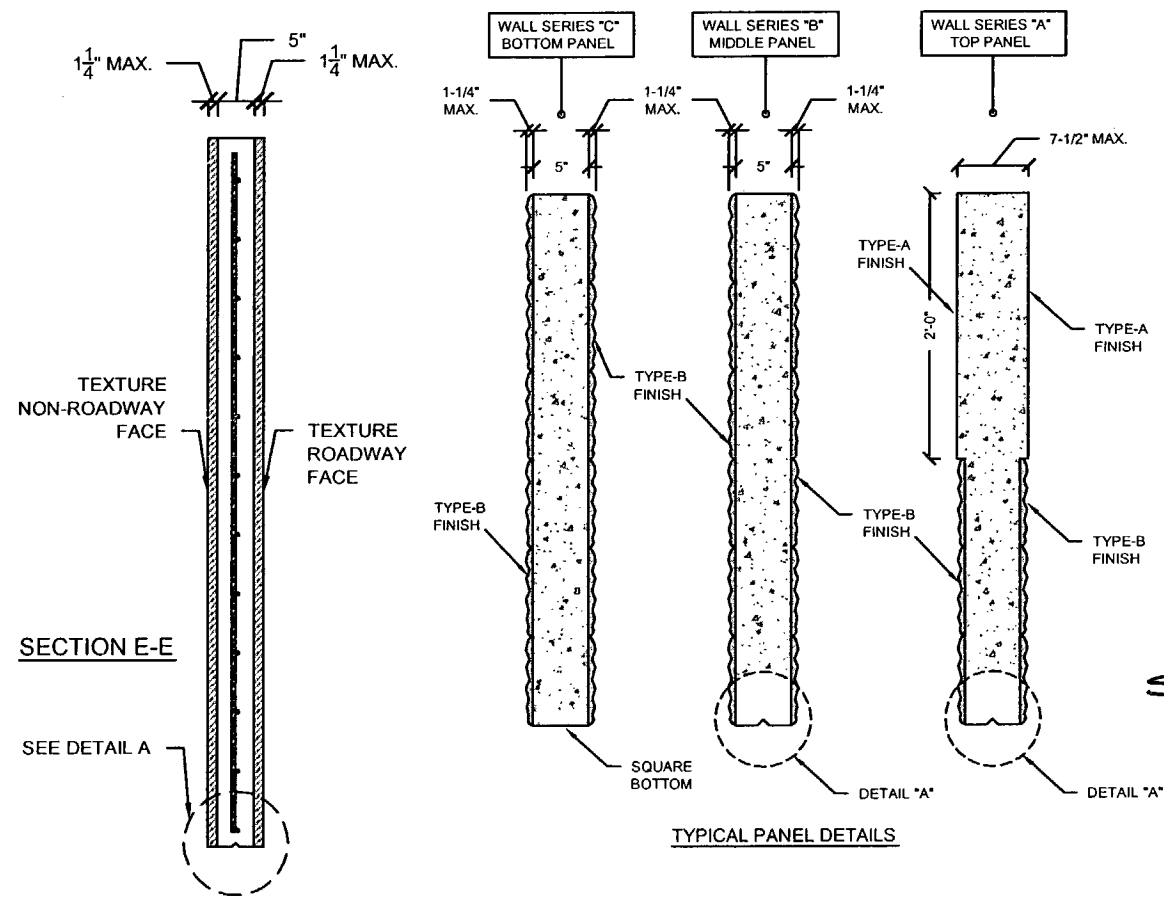
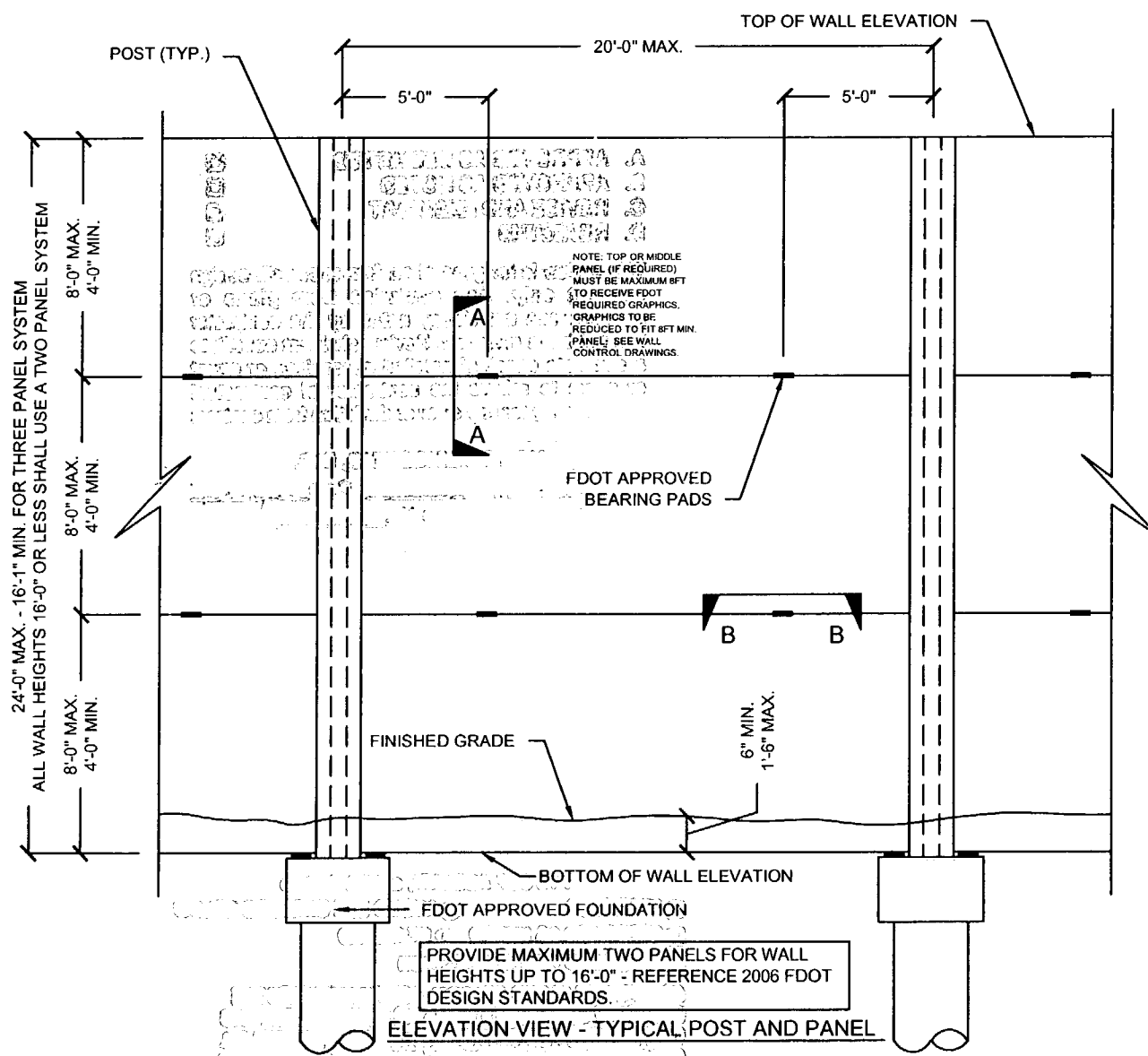
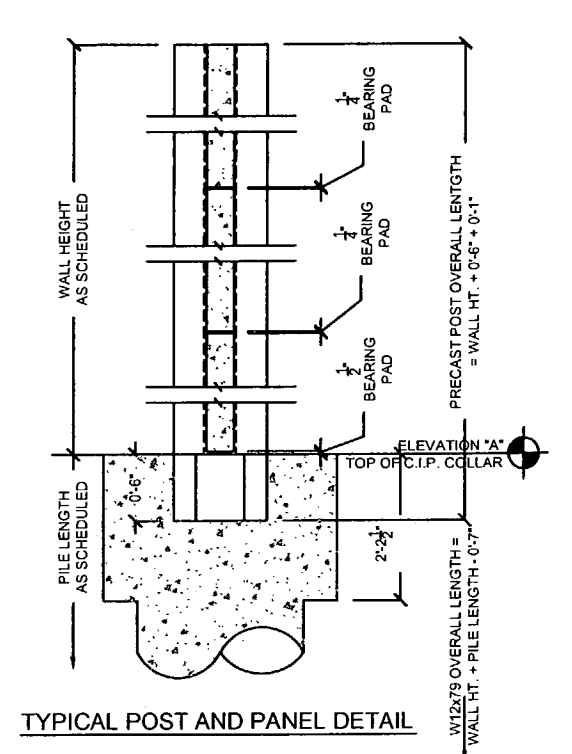
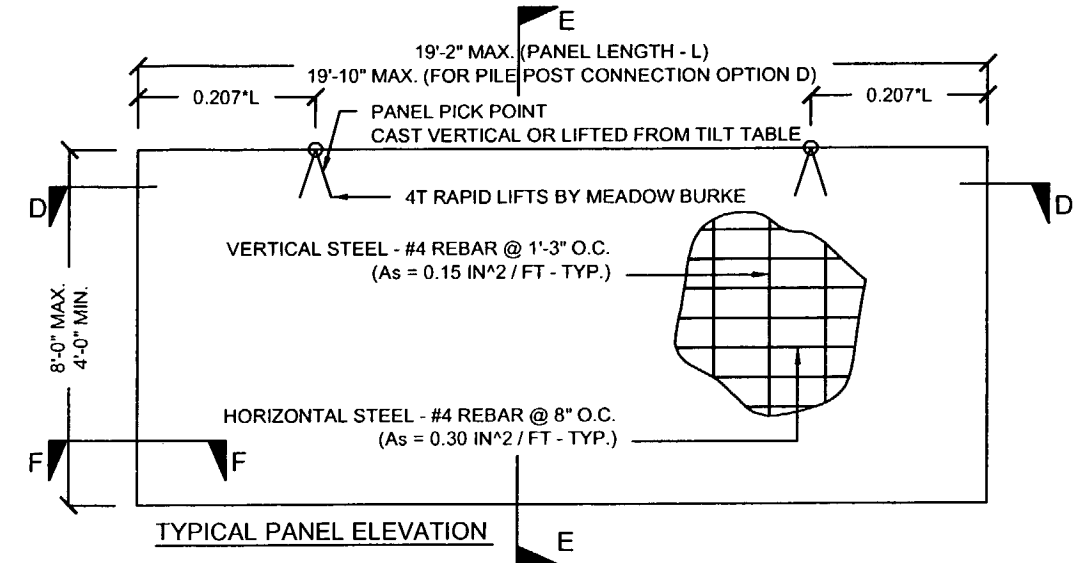
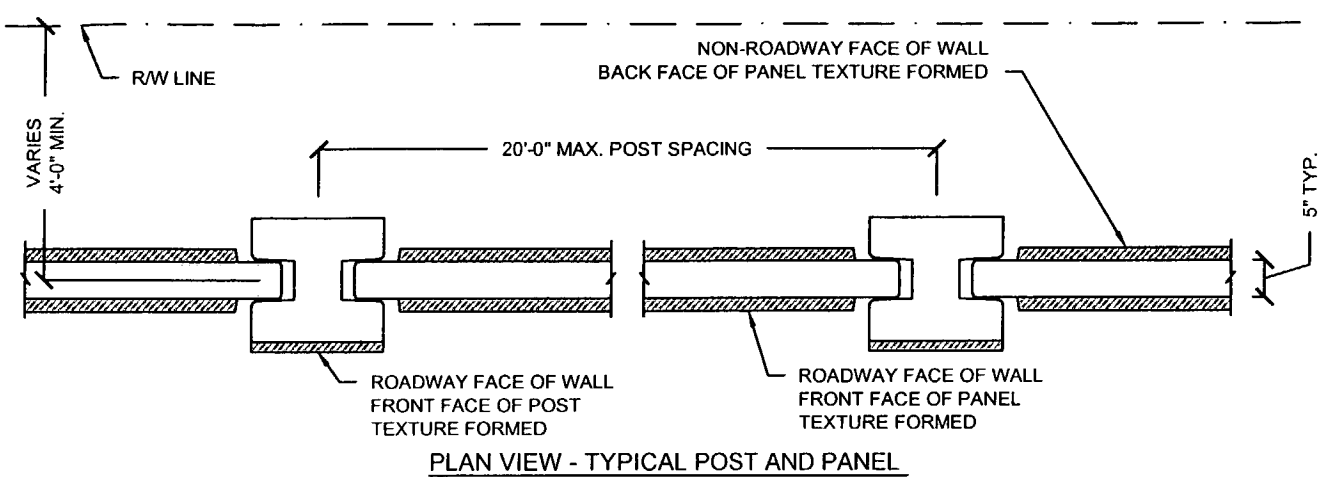
SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 06/07 AND 10/07  
 BW3-1 THRU BW3-3 DATED 06/07

Drawn By: J.R.A.  
 Date: 01/07/08  
 Checked By: J.A.H.  
 Date: 01/18/08

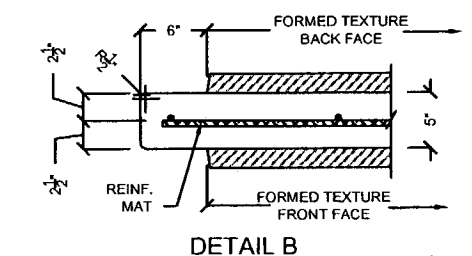
**Florida Engineering Solutions**  
 C.A. No. 26300 - 12630 Cayley St. - Suite 101 - San Antonio, FL 33578  
 Ph: 352/568-6311 Fax: 352/568-6411 Web: www.florida-engineering.com

**DURATEK** PRECAST TECHNOLOGIES  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-4829  
 Toll Free: 800/754-3041 Ph: 352/706-6944 Fax: 352/706-6933 Website: www.duratek.net

SOUND BARRIER WALL 3 (CORKSCREW WOODLANDS) PLAN AND ELEVATION SHOP DRAWING (STA 3028+60.00 - 3031+00.38)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.21



SEE BACK FOR HDR STAMP PL 2/26/08



SEE BACK FOR STAMP 2/22/08

**GENERAL NOTES**  
 REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5200  
**TEXTURE OPTIONS**  
 REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5201

**SPECIAL PANELS AND POSTS**  
 REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203

**TYPICAL PANELS AND POSTS**  
 REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203  
 SECTION A-A  
 SECTION B-B  
 SECTION "ELEVATION STEP AT BOTTOM OF WALL"

**GRAPHICS AND TEXTURE DETAILS**  
 REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 WITH THE FOLLOWING EXCEPTIONS: 1) MAX PANEL HEIGHT = 8FT, 2) MAX. 1-1/4" FORMED TEXTURE FINISH ON NON-ROADWAY FACE OF WALL.

**FIRE HOSE ACCESS HOLE & DRAINAGE DETAILS**  
 REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5204

**PILE / POST CONNECTION OPTIONS**  
 REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5205  
 OPTIONS - C

**FOUNDATION DEPTH AND REINFORCING**  
 REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5206 AND THESE DRAWINGS

**TYPICAL PANELS AND POSTS**  
 REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203  
 SECTION F-F

Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/21/08	COMMENTS RECEIVED 02/18/08 - FIRE HOSE LOCATIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 DW-1 THRU DW-5 DATED 06/07 AND 10/07  
 RW-1 THRU RW-4 DATED 10/07

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**  
 C.A. No. 28300 - 12650 Curley Bl. - Suite 101 - San Antonio, FL 32895  
 Ph: 352 / 588 - 5311 Fx: 352 / 588 - 5411 Web: www.florida-engineering.com

February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**DURATEK** The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0829  
 Tel: 800/754-3641 Ph: 352/798-5944 Fx: 352/798-5833 Website: www.duratek.net

**DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES**  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X2.1

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 Date 2/26/08  
 Prep Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

1-75 DBF ACCURFI, a Joint Venture  
 APPROVED  AMEND-ONE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 THIS REVIEW IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBMITTAL REVIEWER IS NOT RESPONSIBLE FOR VERIFYING AND CORRECTING ALL DIMENSIONS AND QUANTITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND QUANTITIES AND FOR CORRECTING ALL DIMENSIONS AND QUANTITIES.  
 DR: [Signature] DATE: 2/22/08

DURATEK PRECAST WALL PANEL SCHEDULE - SOUND BARRIER WALL (CORKSCREW WOODLANDS)

Duratek Mk No.	Panel Length (ft-in)		Panel Height (ft-in)		Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number							Total Panel Quantity	Total Panel Square Footage	Remarks
								X1.15	X1.16	X1.17	X1.18	X1.19	X1.20	X1.21			
W-2B	19	2	6	0	5	Type-B	Type-B	26	26	26	26	26	13	12	155	17825.0	
W-10A	19	2	8	0	5	Type-B	Type-B	26	26	26	26	26	13	12	155	23766.7	2ft Type-A Finish at Top
W-15C	19	2	8	0	5	Type-B	Type-B	10	11	11	10	10	5	5	62	9506.7	
W-16C	19	2	8	0	5	Type-B	Type-B	3	2	2	3	3	1	1	15	2300.0	Fire Hose Access Hole
W-27C	19	2	8	0	5	Type-B	Type-B	11	10	10	11	10	6	5	63	9660.0	Drainage Holes
W-28C	19	2	8	0	5	Type-B	Type-B	2	3	3	2	3	1	1	15	2300.0	Fire Hose /Drainage Holes
															<b>465</b>	<b>65358</b>	

APPROVED FOR GENERAL CONTRACTOR  
 APPROVED AS NOTED  
 APPROVED AS NOTED - CORRECTION  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL CONTRACTOR'S USE ONLY. THE SUBMITTING CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS. SELECTING MATERIALS, PROCESSING, AND DIMENSIONS OF CONSTRUCTION. COORDINATING THIS WORK WITH THAT OF ALL OTHER TRADES AND RESPONSIBILITY FOR ANY ERROR OR DEVIATION FROM CONTRACT REQUIREMENTS.

APPROVED: *[Signature]* DATE: 2/22/08  
 BY: *[Signature]*

APPROVED AS NOTED: *[Signature]* DATE: 2/22/08  
 BY: *[Signature]*

APPROVED AS NOTED - CORRECTION: *[Signature]* DATE: 2/22/08  
 BY: *[Signature]*

RETURNED FOR CORRECTION: *[Signature]* DATE: 2/22/08  
 BY: *[Signature]*

CS-SD15 PAGE 9.9

DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (CORKSCREW WOODLANDS)

Duratek Mk No.	Scheduled Pile Length (ft-in)		Scheduled Wall Height (ft-in)		Precast Post Length (ft-in)		W12x79 Overall Length (ft-in)		Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number						Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)		
P-22	31	0	22	0	22	7	52	5	Type-A	Type-A						1		1	22.6	52.4	41.4	
P-23	28	0	22	0	22	7	49	5	Type-A	Type-A	26	26	26	26	26	12	13	155	3500.4	7659.6	6051.1	
																		<b>156</b>	<b>3523.0</b>	<b>7712.0</b>	<b>6092.5</b>	

APPROVED FOR GENERAL CONTRACTOR  
 APPROVED AS NOTED  
 APPROVED AS NOTED - CORRECTION  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL CONTRACTOR'S USE ONLY. THE SUBMITTING CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS. SELECTING MATERIALS, PROCESSING, AND DIMENSIONS OF CONSTRUCTION. COORDINATING THIS WORK WITH THAT OF ALL OTHER TRADES AND RESPONSIBILITY FOR ANY ERROR OR DEVIATION FROM CONTRACT REQUIREMENTS.

APPROVED: *[Signature]* DATE: 2/22/08  
 BY: *[Signature]*

APPROVED AS NOTED: *[Signature]* DATE: 2/22/08  
 BY: *[Signature]*

APPROVED AS NOTED - CORRECTION: *[Signature]* DATE: 2/22/08  
 BY: *[Signature]*

RETURNED FOR CORRECTION: *[Signature]* DATE: 2/22/08  
 BY: *[Signature]*

HDA ENGINEERING, INC.  
 2126 1/2  
 Project No. \_\_\_\_\_  
 Shop Drawing Reference No. \_\_\_\_\_  
 Date: 2/22/08

April 18, 2008

ACCI / API, a Joint Venture  
12751 Westlinks Drive, Unit 1  
Fort Myers, FL 33913, FL 34604  
Attn: Felipe Jaramillo

RE: I-75 Sound Barrier Wall Shop Drawings – Three Oaks

Mr. Jaramillo

Please find attached shop drawings for approval.

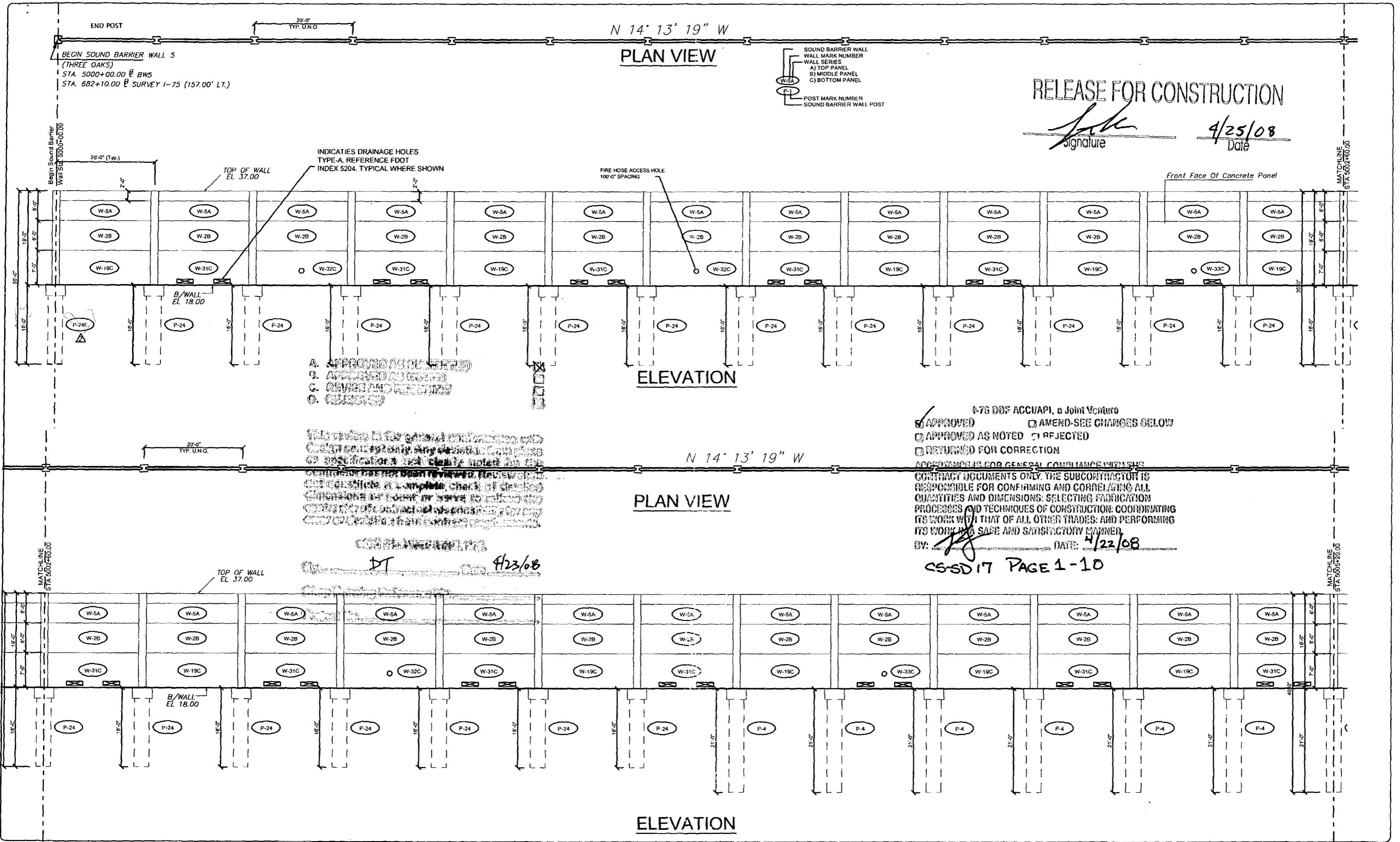
We have completed all revisions requested in accordance with the 100% Sound Barrier Wall drawings by HDR dated 02/08 and the FDOT Electronic Review Comments.

Please contact me if I can be of further assistance.

Respectfully,



John A. Hoy, P.E.  
FL. Lic. No. 55312



RELEASE FOR CONSTRUCTION

*[Signature]*  
Date: 4/25/08

- A. APPROVED AS NOTED
- B. APPROVED AS NOTED
- C. REVISIONS REQUIRED
- D. REJECTED

This review is for general compliance with contract documents only. It does not constitute a complete check of design conditions or intent or serve to release the contractor from its obligations under the contract. The contractor shall be responsible for any errors or omissions in the drawings.

DT 4/23/08

- APPROVED
- AMEND-SEE CHANGES BELOW
- APPROVED AS NOTED
- REJECTED
- RETURNED FOR CORRECTION

APPROVANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 4/22/08

CS-SD17 PAGE 1-10

<p><b>REVISIONS</b></p> <table border="1"> <tr> <th>Rev. No.</th> <th>Date</th> <th>Description</th> </tr> <tr> <td>1</td> <td>02/20/08</td> <td>REVISIONS REQUIRED OUTLINE - FIRE HOSE LOCATIONS &amp; WALL ELEV</td> </tr> <tr> <td>2</td> <td>04/15/08</td> <td>GENERAL REVISIONS</td> </tr> </table>	Rev. No.	Date	Description	1	02/20/08	REVISIONS REQUIRED OUTLINE - FIRE HOSE LOCATIONS & WALL ELEV	2	04/15/08	GENERAL REVISIONS	<p>SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC. BW5-1 THRU BW5-4 DATED 09/17 AND 10/07 BW5-1 THRU BW5-2 DATED 10/07</p>	<p>Drawn By: J.R.A. Date: 01/22/08 Checked By: J.A.H. Date: 01/22/08</p>	<p><b>Florida Engineering</b> CONSULTANTS C.A. No. 28300 - 12830 Cayley Bl. - Suite 101 - San Antonio, FL 33507 Ph: 352/588-8311 Fax: 352/588-8411 Web: www.floridaing.com</p>	<p><b>DURATEK</b> PERIMETER TECHNOLOGIES John A. Hey, P.E. Florida License Number: 65712</p>	<p><b>DURATEK</b> The Edge in Perimeter Walls Concrete Pro-cast Buffer Walls Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8829 Tel: 352/764-3641 Fax: 352/760-8444 Ph: 352/760-8633 Website: www.duratek.net</p>	<p>SOUND BARRIER WALL 5 (THREE OAKS) PLAN AND ELEVATION SHOP DRAWING (STA 5000+00.00 - 5005+20.00) SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD</p>	<p>PROJECT NO: 07-2055-701 SHEET NO: X1.33</p>
Rev. No.	Date	Description														
1	02/20/08	REVISIONS REQUIRED OUTLINE - FIRE HOSE LOCATIONS & WALL ELEV														
2	04/15/08	GENERAL REVISIONS														



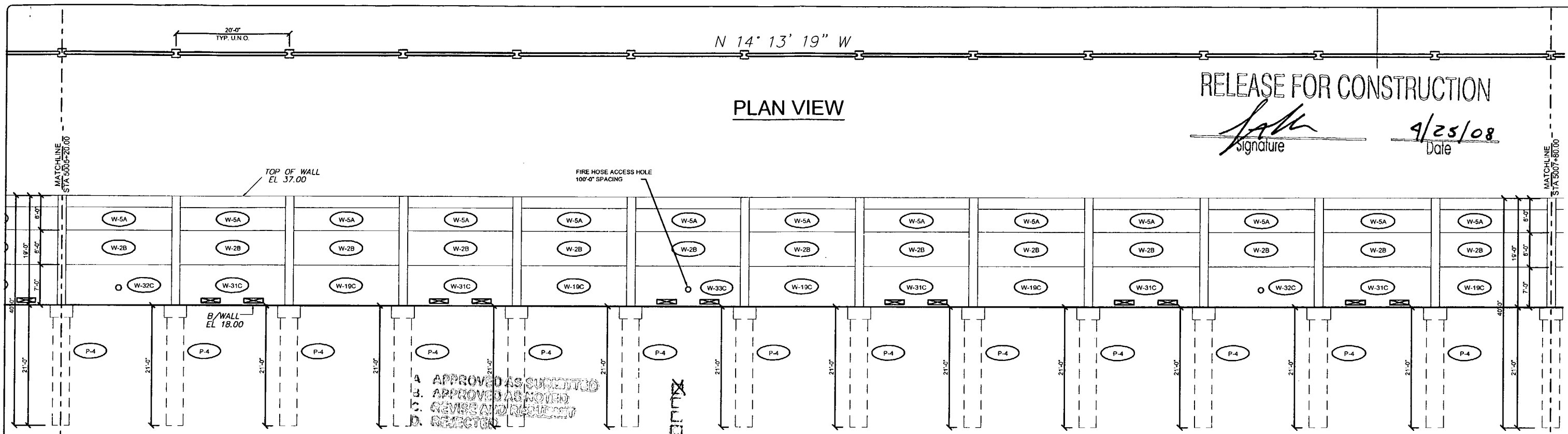
N 14° 13' 19" W

PLAN VIEW

RELEASE FOR CONSTRUCTION

*[Signature]*  
Signature

9/25/08  
Date



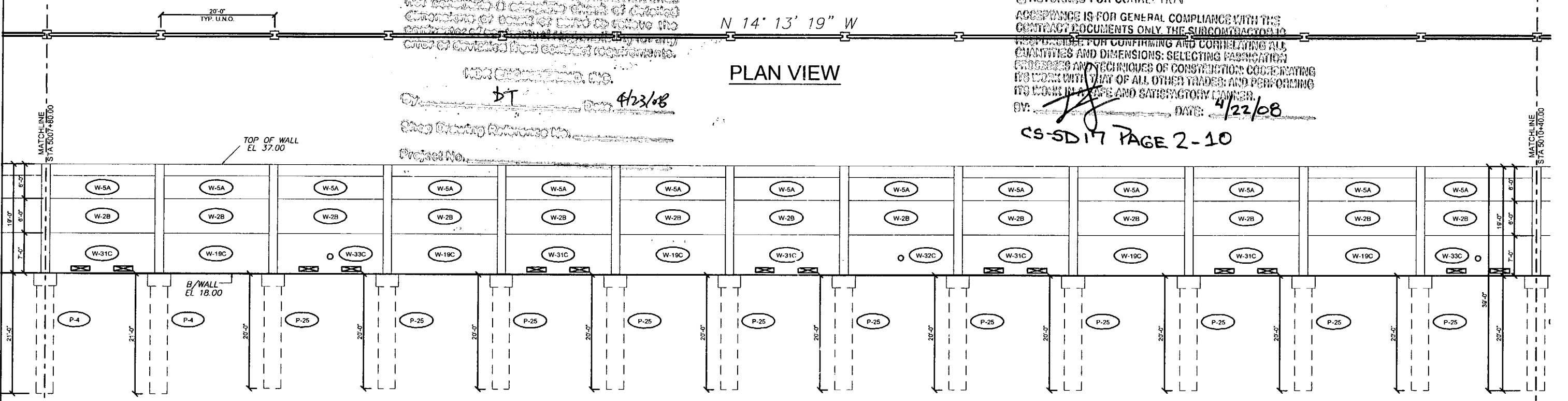
ELEVATION

A. APPROVED AS SUBMITTED  
 B. APPROVED AS NOTED  
 C. REVISE AND RESUBMIT  
 D. REJECTED

This review is for general compliance with design concept only. Any deviations from plans or specifications (not clearly noted by the contractor) are not to be construed as approval. The contractor shall not submit a complete check of detailed construction or cost of work to remove the contractor's liability from contract requirements.

N 14° 13' 19" W

PLAN VIEW



ELEVATION

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 AMEND-SEE CHANGES BELOW  
 REJECTED

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 4/22/08

CS-5D17 PAGE 2-10

Rev. No.	Date	Description
1	02/20/08	COMMENTS RECEIVED ON DWG - FIRE HOSE LOCATIONS & WALL ELEV
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 0807 AND 1007  
 BW-1 THRU BW-2 DATED 1007

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/29/08

**Florida Engineering**  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33570  
 Ph: 352/568-6311 Fax: 352/568-6411 Web: www.floridaing.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0529  
 Toll Free: 800/754-3541 Ph: 352/700-5944 Fax: 352/700-5933 Website: www.duratek.net

**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls

SOUND BARRIER WALL 5 (THREE OAKS) PLAN AND ELEVATION  
 SHOP DRAWING (STA 5005+20.00 - 5010+40.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.34

RELEASE FOR CONSTRUCTION

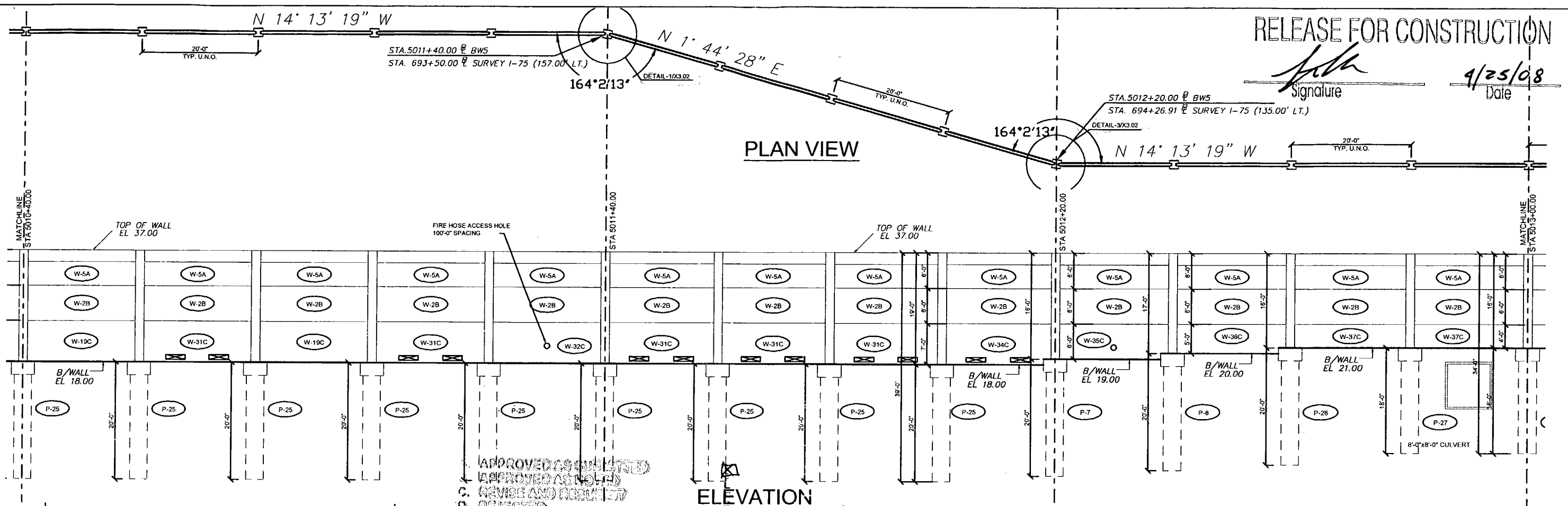
*[Signature]*  
Signature

4/25/08  
Date

STA. 5011+40.00 @ BWS  
STA. 693+50.00 @ SURVEY I-75 (157.00' LT.)

STA. 5012+20.00 @ BWS  
STA. 694+26.91 @ SURVEY I-75 (135.00' LT.)

PLAN VIEW



ELEVATION

APPROVED AS QUOTED  
APPROVED AS NOTED  
C. REVISE AND RESUBMIT  
D. REJECTED

This review is for general compliance with the contract documents only. It is not intended to constitute a warranty or a guarantee of any kind. The contractor is responsible for the accuracy of the information provided and for the safety of the work. The contractor shall be responsible for obtaining all necessary permits and for complying with all applicable laws and regulations. The contractor shall be responsible for the safety of the work and for performing it in a safe and satisfactory manner.

APPROVED  AMEND-SEE CHANGES BELOW  
APPROVED AS NOTED  REJECTED  
RETURNED FOR CORRECTION

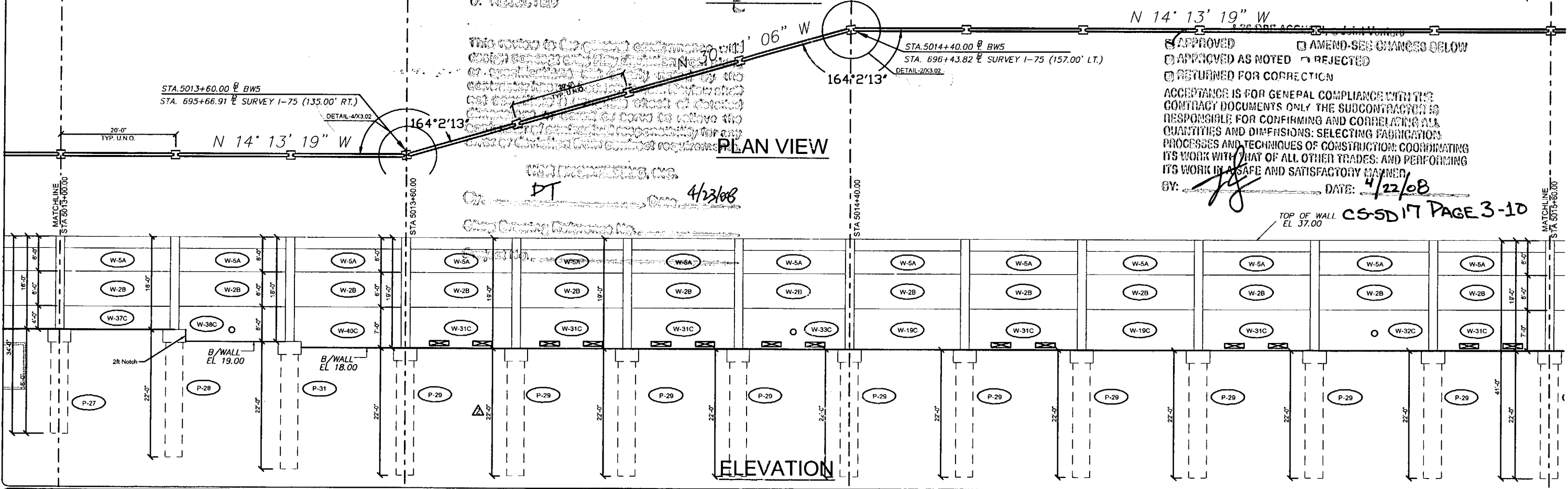
ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 4/22/08

STA. 5013+60.00 @ BWS  
STA. 695+66.91 @ SURVEY I-75 (135.00' RT.)

STA. 5014+40.00 @ BWS  
STA. 696+43.82 @ SURVEY I-75 (157.00' LT.)

PLAN VIEW



ELEVATION

TOP OF WALL EL. 37.00 CS-SD 17 PAGE 3-10

REVISIONS table with columns for Rev. No., Date, and Description.

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS:  
BY HDR ENGINEERS, INC.  
BW-1 THRU BW-6 DATED 07/07 AND 10/07  
BWS-1 THRU BWS-2 DATED 10/07

Drawn By: J.R.A.  
Date: 01/22/08  
Checked By: J.A.H.  
Date: 01/29/08

Florida Engineering logo and contact information: C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33570

John A. Hoy, P.E.  
Florida License Number 65312

DURATEK logo and text: The Edge in Perimeter Walls. Concrete Pre-cast Buffer Walls. Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6529

SOUND BARRIER WALL 5 (THREE OAKS) PLAN AND ELEVATION  
SHOP DRAWING (STA 5010+40.00 - 5015+60.00)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
SHEET NO. X1.35

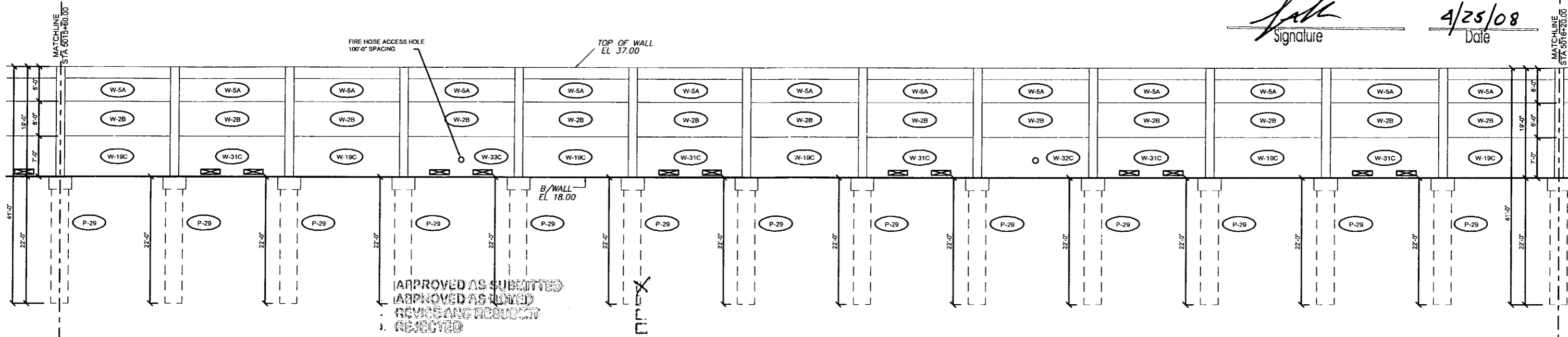
N 14' 13' 19" W

PLAN VIEW

RELEASE FOR CONSTRUCTION

Signature

4/25/08 Date



APPROVED AS SUBMITTED  
APPROVED AS NOTED  
REVISE AND RESUBMIT  
REJECTED

ELEVATION

N 14' 13' 19" W

PLAN VIEW

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been approved. Reviewer shall not constitute a complete check of detailed dimensions or ensure conformance to any cover or deviation from contract requirements.

HDR ENGINEERING, INC.

By: DT Date: 4/23/08

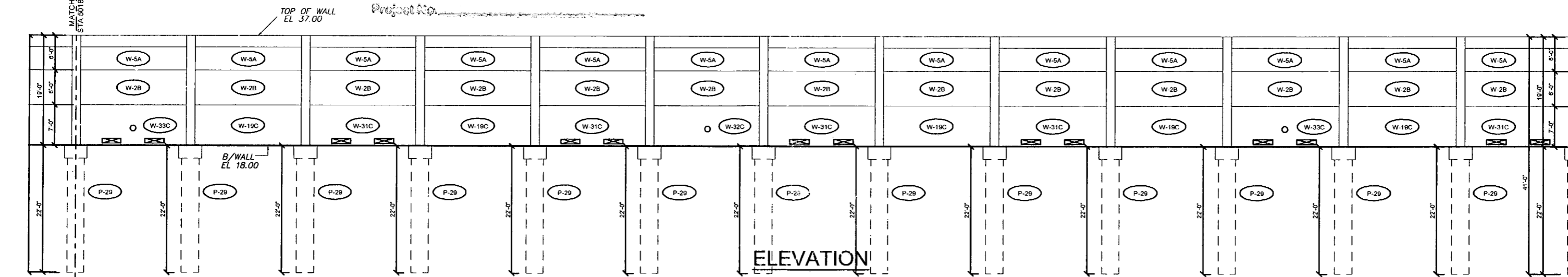
Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

- APPROVED
- AMEND-SEE CHANGES BELOW
- APPROVED AS NOTED
- REJECTED
- RETURNED FOR CORRECTION

AGREEMENT IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 4/22/08  
CS-5017 PAGE 4-10



ELEVATION

Rev. No.	Date	Description
1	02/23/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS & WALL ELEV
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HDR ENGINEERING, INC.  
HW-1 THRU HW-4 DATED 06/07 AND 10/07  
BW-1 THRU BW-2 DATED 10/07

Drawn By: J.R.A.  
Date: 01/22/08  
Checked By: J.A.H.  
Date: 01/28/08

**Florida Engineering**  
INCORPORATED  
C.A. No. 28300 - 12630 Oakley Bl. - Suite 101 - San Antonio, TX 78207  
Ph: 352 / 688 - 5311 Fax: 352 / 688 - 5411 Web: www.floridaing.com

April 18th, 2008  
John A. Hoy, P.E.  
Florida License Number 65312

**DURATEK**  
PRECAST TECHNOLOGIES  
The Edge in Perimeter Walls  
Concrete Pre-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0529  
Toll Free: 800/754-3541 Ph: 352/790-5944 Fax: 352/790-5933 Website: www.duratek.net

SOUND BARRIER WALL 5 (THREE OAKS) PLAN AND ELEVATION  
SHOP DRAWING (STA 5015+60.00 - 5020+80.00)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
SHEET NO. X1.36

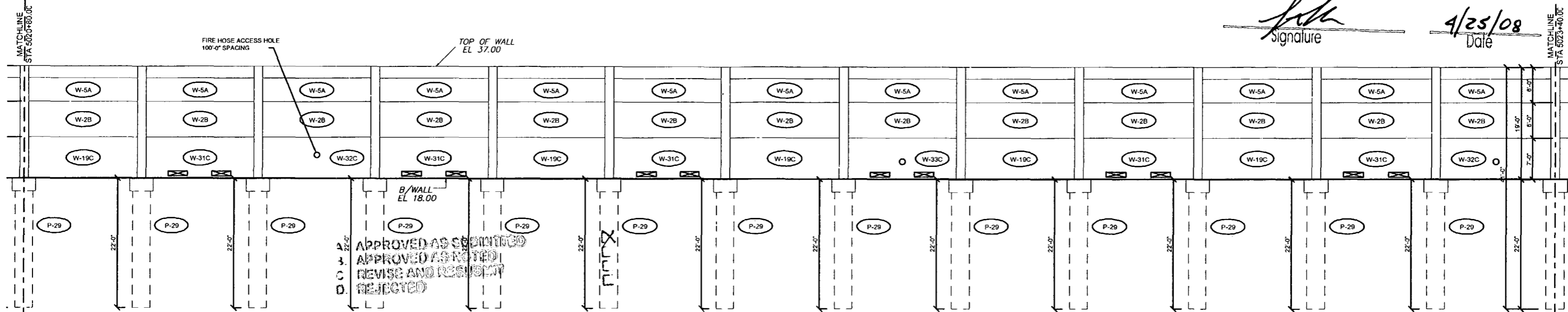
N 14' 13' 19" W

PLAN VIEW

RELEASE FOR CONSTRUCTION

Signature

4/25/08 Date



ELEVATION

APPROVED AS SHOWN
APPROVED AS NOTED
REVISE AND RESUBMIT
REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been corrected. Review shall not constitute a complete check of detailed dimensions or count of items to verify the contractor's responsibility for any error or deviation from contract requirements.

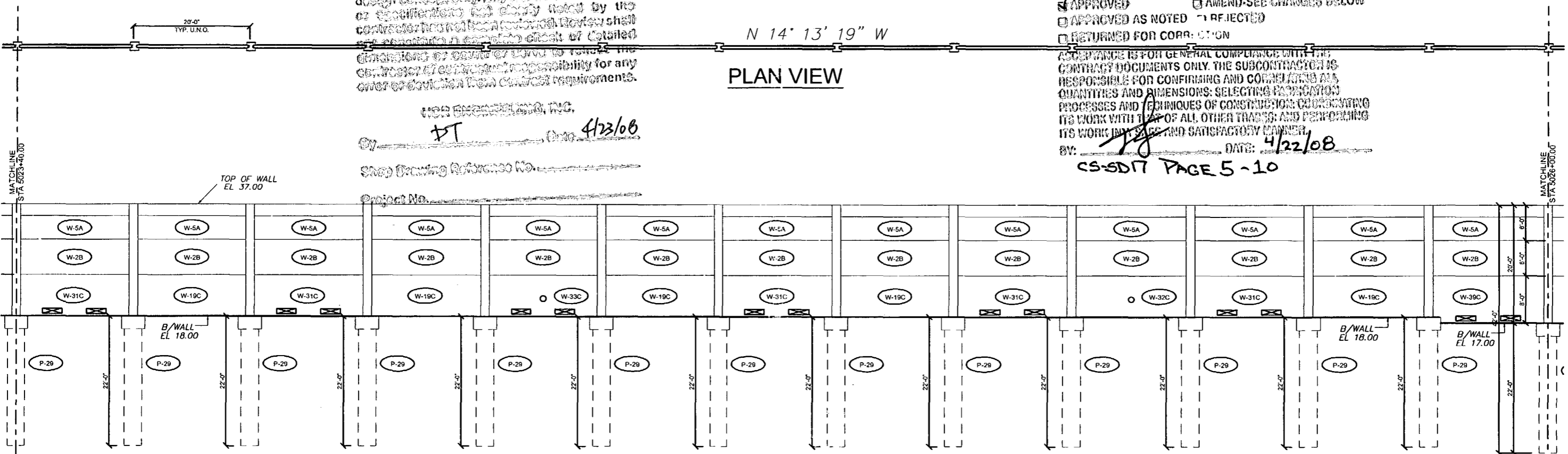
- APPROVED
APPROVED AS NOTED
RETURNED FOR CORRECTION
AMEND-SEE CHARGES BELOW
REJECTED

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS...

CS-SD17 PAGE 5-10

N 14' 13' 19" W

PLAN VIEW



ELEVATION

Table with 3 columns: Rev. No., Date, Description. Includes revision 1 for fire hose locations and wall elev.

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC.

Drawn By: J.R.A. Date: 01/22/08 Checked By: J.A.H. Date: 01/29/08

Florida Engineering Solutions logo and address: C.A. No. 28300 - 12630 Curley Bl. - Suite 101 - San Antonio, FL 33508

John A. Hoy, P.E. Florida License Number ES12

DURATEK logo and address: Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8820

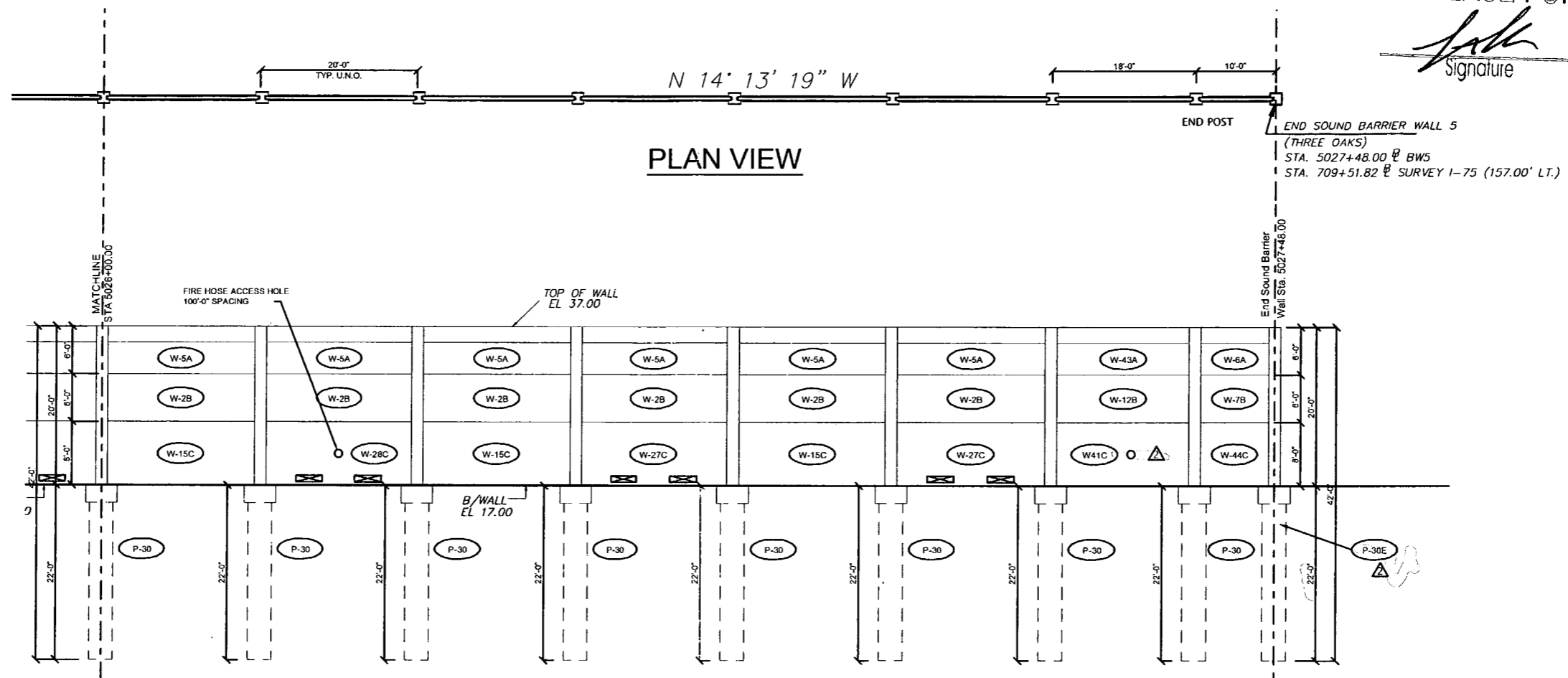
SOUND BARRIER WALL 5 (THREE OAKS) PLAN AND ELEVATION SHOP DRAWING (STA 5020+80.00 - 5026+00.00)

PROJECT NO. 07-2955-701 SHEET NO. X1.37

RELEASE FOR CONSTRUCTION

*[Signature]*  
Signature

4/25/08  
Date



PLAN VIEW

ELEVATION

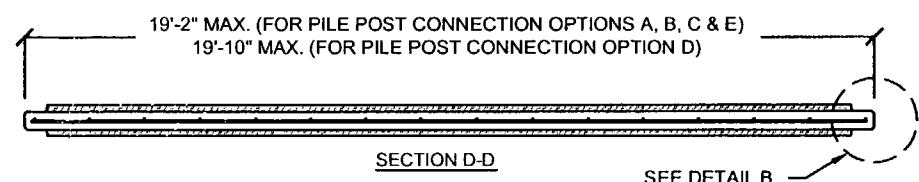
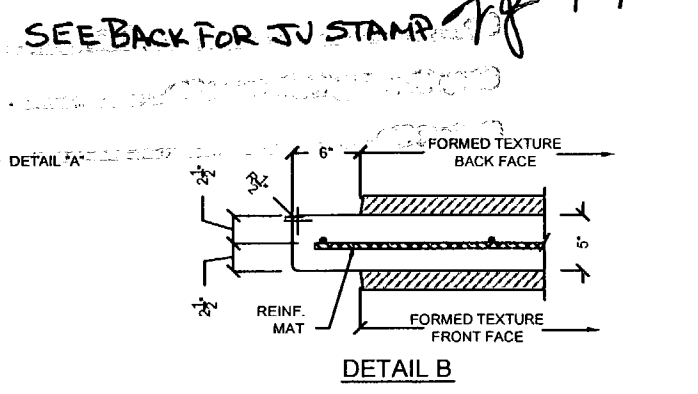
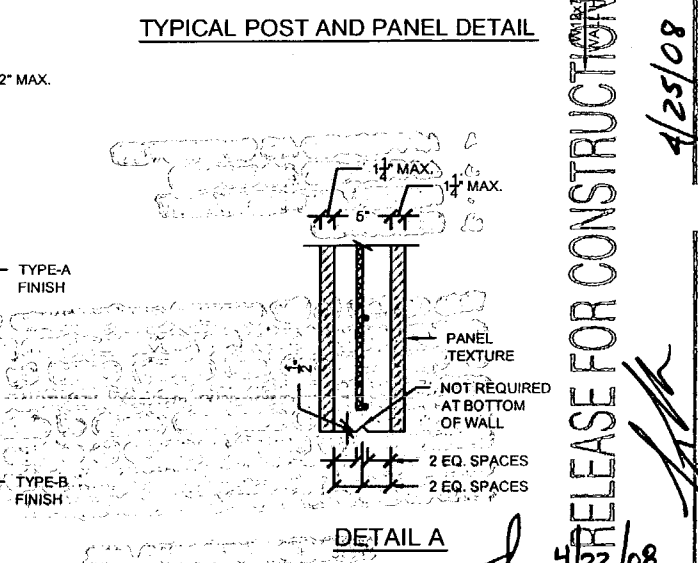
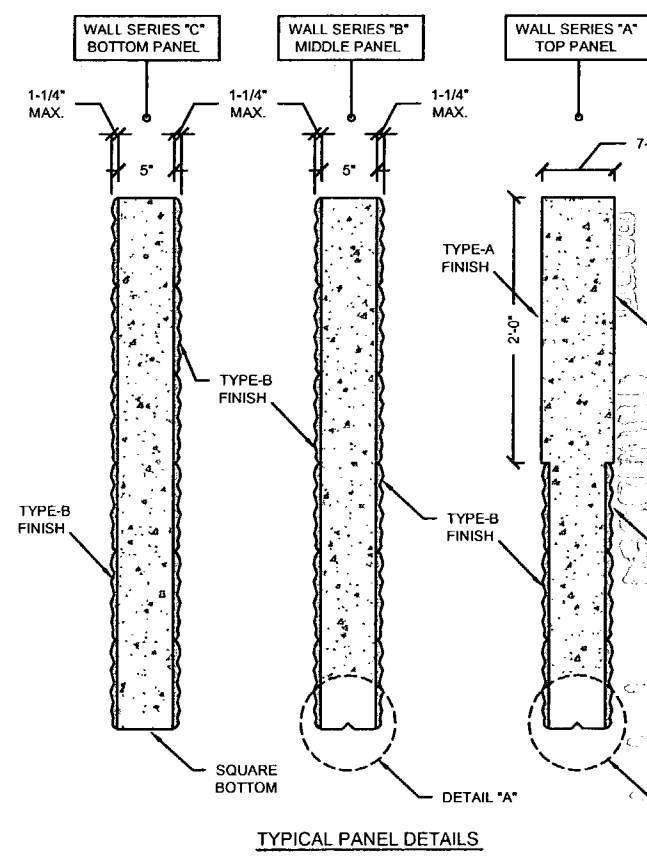
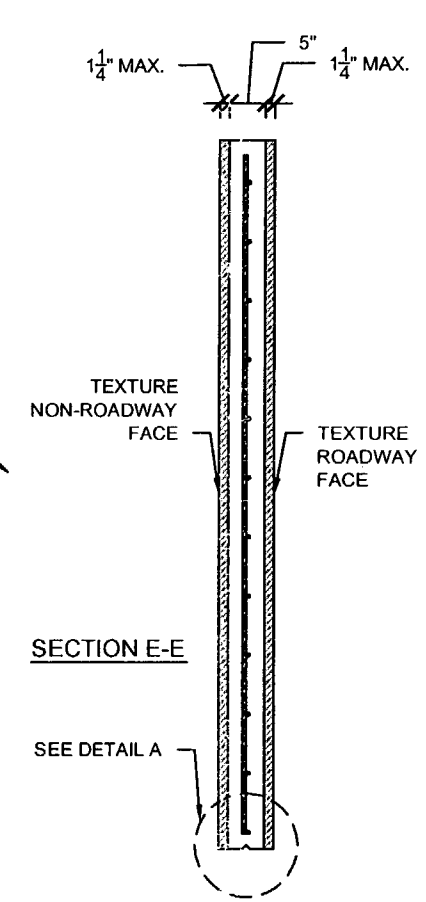
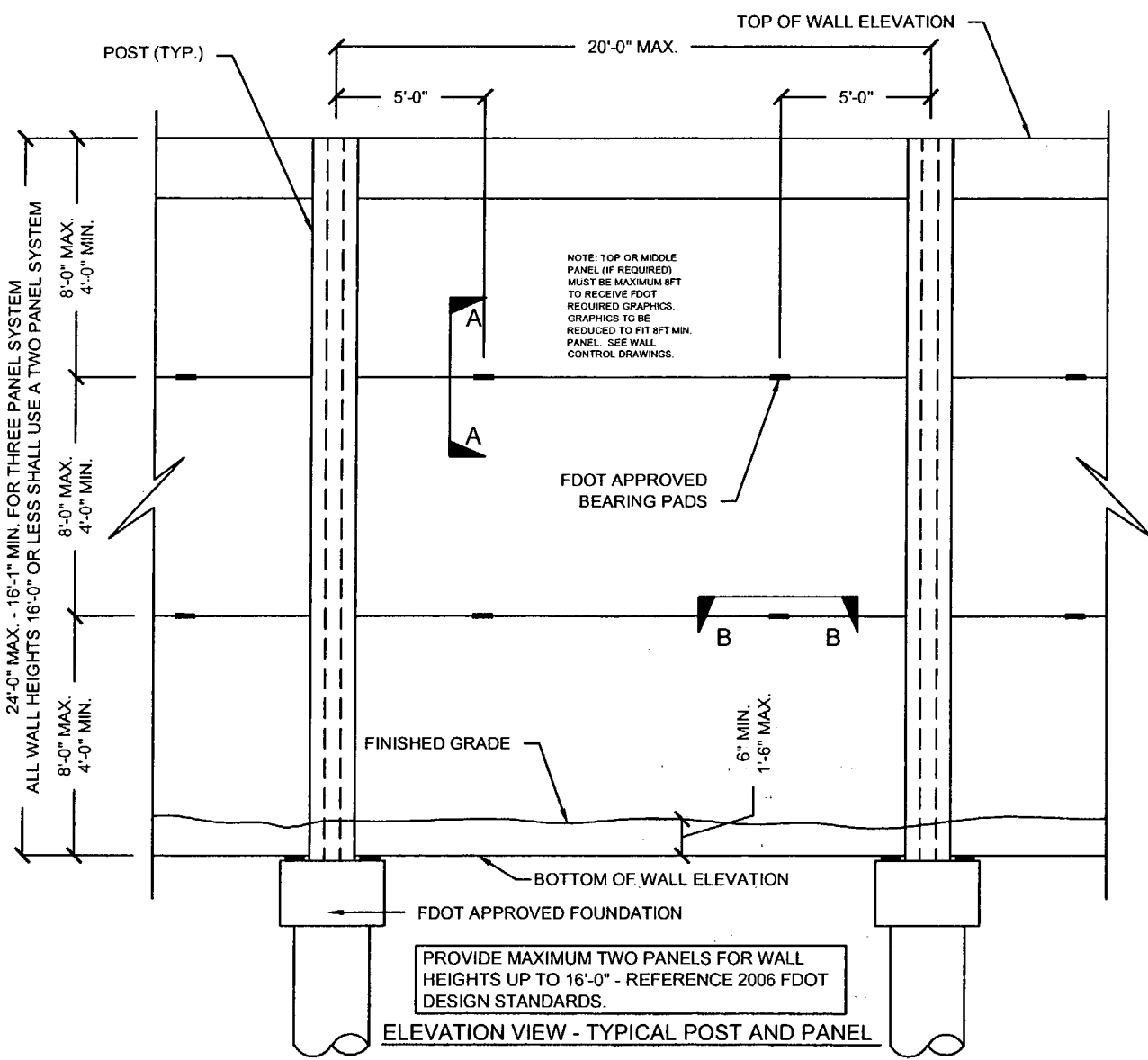
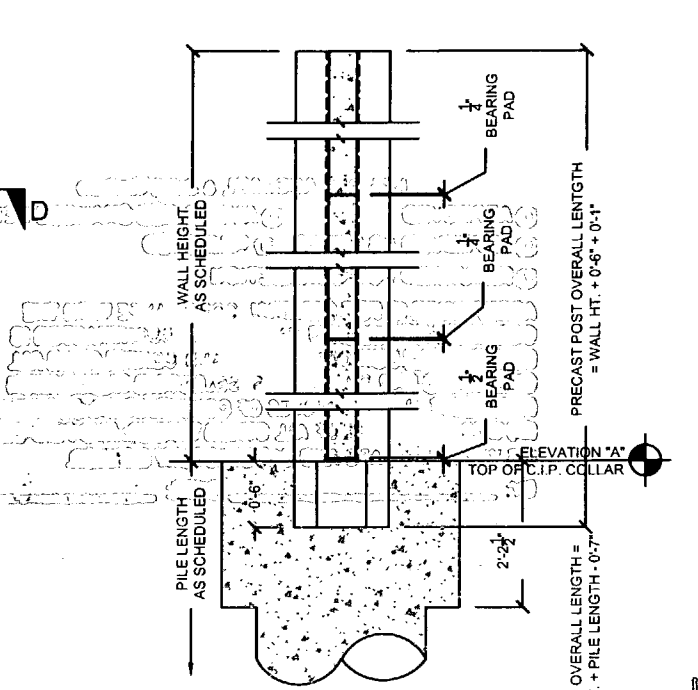
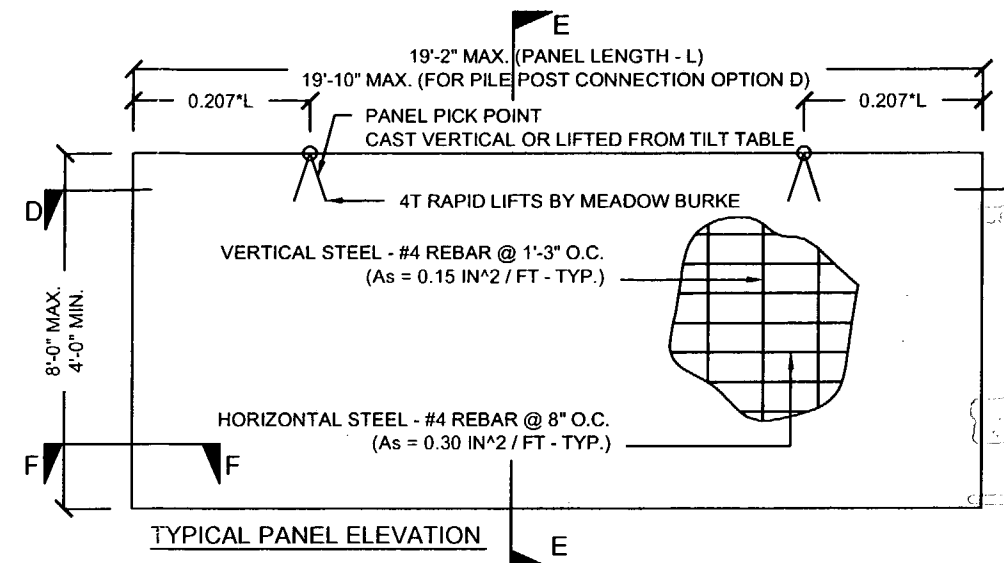
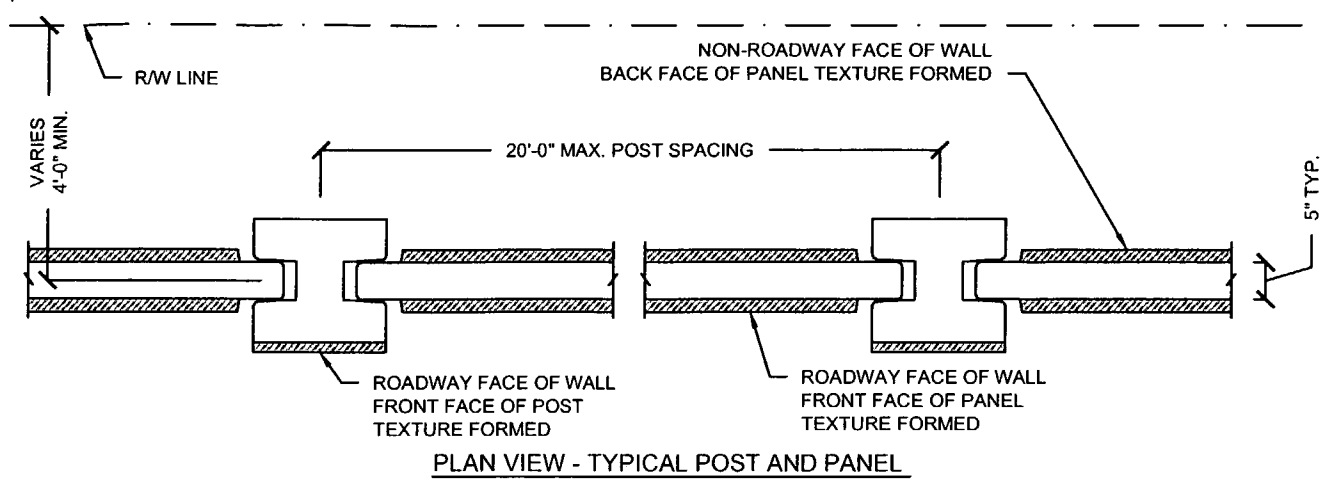
- APPROVED AS SUBMITTED
- APPROVED AS NOTED
- REVISE AND RESUBMIT
- REJECTED

This review is for general compliance with design criteria only. It does not constitute a plan or specification and shall not be used by and for construction purposes. Review shall not constitute a warranty or assumption of liability for any error or omission. The contractor shall be responsible for any error or omission.

APPROVED BY: *[Signature]* DATE: 4/23/08  
 PROJECT NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_

I-75 O&P ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 4/22/08

CS-SD17 PAGE 6-10



<b>GENERAL NOTES</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5200 <b>TEXTURE OPTIONS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5201	<b>SPECIAL PANELS AND POSTS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203	<b>TYPICAL PANELS AND POSTS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 SECTION A-A SECTION B-B SECTION "ELEVATION STEP AT BOTTOM OF WALL"	<b>GRAPHICS AND TEXTURE DETAILS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 WITH THE FOLLOWING EXCEPTIONS: 1) MAX PANEL HEIGHT = 8 FT, 2) MAX. 1-1/4" FORMED TEXTURE FINISH ON NON-ROADWAY FACE OF WALL.	<b>FIRE HOSE ACCESS HOLE &amp; DRAINAGE DETAILS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5204	<b>PILE / POST CONNECTION OPTIONS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5205 OPTIONS - C	<b>FOUNDATION DEPTH AND REINFORCING</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5206 AND THESE DRAWINGS	<b>TYPICAL PANELS AND POSTS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 SECTION F-F
--	--	--	---	--	---	---	---

Rev. No.	Date	Description
1	02/18/08	GENERAL REVISION
2	02/18/08	COMMENTS RECEIVED 02/18/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC:  
 BW-1 THRU BW-6 DATED 6/07 AND 10/07  
 BW-1 THRU BW-14 DATED 10/07

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

John A. Hoy, P.E.  
 Florida License Number 55312

**DURATEK**  
 PRECAST TECHNOLOGIES  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2100 American Flyer Way Brooksville, FL 34604-5829  
 Toll Free: 800/754-3541 Ph: 352/795-5944 Fx: 352/795-5933 Website: www.duratek.net

**DURATEK SOUND BARRIER WALL TYPICAL SECTIONS/DETAILS/ AND PROJECT SCHEDULES**  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X2.1

RELEASE FOR CONSTRUCTION  
 4/25/08  
 4/22/08  
 Date

4-75 DSF ACCHAPT, 8 JEROME

- APPROVED
- AMEND-SEE CHANGES BELOW
- APPROVED AS NOTED
- REJECTED
- RETURNED FOR CORRECTION

APPROVED IS FOR GENERAL COMPLIANCE WITH THE  
 CONTRACT DOCUMENTS AND THE SUBCONTRACTOR IS  
 RESPONSIBLE FOR COMPLYING WITH ALL  
 CONTRACT AND PERMITS. THE CONTRACTOR'S  
 METHODS AND TECHNIQUES OF CONSTRUCTION SHALL BE  
 SUCH THAT ALL OTHER WORKERS ARE PROTECTED  
 IN THEIR WORK AND SAFE AND SATISFACTORY.

BY: [Signature] DATE: 4/22/08

CS-SD17 PAGE 7-10

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REJECT AND REWORK
- D. REJECTED

This review is for general compliance with  
 contract documents and does not constitute a  
 warranty or representation of fitness for use  
 or suitability for a particular purpose. The  
 contractor shall be responsible for obtaining  
 all necessary permits and for complying with  
 all applicable laws and regulations. The  
 contractor shall be responsible for obtaining  
 all necessary permits and for complying with  
 all applicable laws and regulations.

FOR PROJECT USE, ONLY

BY: DT DATE: 4/23/08

Check Drawing No. \_\_\_\_\_

Project No. \_\_\_\_\_

I-75 DBF ACCI/API, a Joint Venture

- APPROVED       AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED     REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE SUBCONTRACTOR IS RESPONSIBLE FOR COMPARING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 4/22/08

CS-SD17 PAGE 7-10

- A. APPROVED AS SUBMITTED        
B. APPROVED AS NOTED              
C. REVISE AND RESUBMIT           
D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By [Signature] Date 4/23/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_



RELEASE FOR CONSTRUCTION

*John A. Roy*  
Signature

4/25/08  
Date

DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (THREE OAKS)

Duratek Mk No.	Scheduled Pile Length (ft-in)		Scheduled Wall Height (ft-in)		Precast Post Length (ft-in)		W12x79 Overall Length (ft-in)		Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number						Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)	Remarks
	21	0	19	0	19	7	39	5			X1.33	X1.34	X1.35	X1.36	X1.37	X1.38					
P-4	21	0	19	0	19	7	39	5	Type-A	Type-A	6	15					21	411.3	827.8	653.9	
P-7	20	0	18	0	18	7	37	5	Type-A	Type-A			1				1	18.6	37.4	29.6	
P-8	20	0	17	0	17	7	36	5	Type-A	Type-A			1				1	17.6	36.4	28.8	
P-24	16	0	19	0	19	7	34	5	Type-A	Type-A	19						19	372.1	653.9	516.6	
△ P-24E	16	0	19	0	19	7	34	5	Type-A	Type-A	1						1	19.6	34.4	27.2	END POST
P-25	20	0	19	0	19	7	38	5	Type-A	Type-A		11	9				20	391.7	768.3	607.0	
P-26	20	0	16	0	16	7	35	5	Type-A	Type-A			1				1	16.6	35.4	28.0	
P-27	18	0	16	0	16	7	33	5	Type-A	Type-A			2				2	33.2	66.8	52.8	
P-28	22	0	16	0	16	7	37	5	Type-A	Type-A			1				1	16.6	37.4	29.6	
P-29	22	0	19	0	19	7	40	5	Type-A	Type-A			10	26	26		62	1214.2	2505.8	1979.6	
P-30	22	0	20	0	20	7	41	5	Type-A	Type-A					8		8	164.7	331.3	261.8	
△ P-30E	22	0	20	0	20	7	41	5	Type-A	Type-A					1		1	20.6	41.4	32.7	END POST
P-31	22	0	18	0	18	7	39	5	Type-A	Type-A			1				1	18.6	39.4	31.1	
											<b>139</b>	<b>2715</b>	<b>5416</b>	<b>4279</b>							

DURATEK PRECAST WALL PANEL SCHEDULE - SOUND BARRIER WALL (THREE OAKS)

Duratek Mk No.	Panel Length (ft-in)		Panel Height (ft-in)		Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number						Total Panel Quantity	Total Panel Square Footage	Remarks	
	19	2	6	0				X1.33	X1.34	X1.35	X1.36	X1.37	X1.38				
W-2B	19	2	6	0	5	Type-B	Type-B	26	26	26	26	26	6	136	15640.0		
W-5A	19	2	6	0	5	Type-B	Type-B	26	26	26	26	26	6	136	15640.0	2ft Type-A Finish at Top	
W-6A	9	2	6	0	5	Type-B	Type-B						1	1	55.0	2ft Type-A Finish at Top	
W-7B	9	2	6	0	5	Type-B	Type-B						1	1	55.0		
W-12B	17	2	6	0	5	Type-B	Type-B						1	1	103.0		
W-15C	19	2	8	0	5	Type-B	Type-B						3	3	460.0		
△ W-19C	19	2	7	0	5	Type-B	Type-B	10	10	4	11	10		45	6037.5		
W-27C	19	2	8	0	5	Type-B	Type-B						2	2	306.7	Drainage Holes	
W-28C	19	2	8	0	5	Type-B	Type-B						1	1	153.3	Fire Hose /Drainage Holes	
W-31C	19	2	7	0	5	Type-B	Type-B	11	10	11	10	10		52	6976.7	Drainage Holes	
W-32C	19	2	7	0	5	Type-B	Type-B	3	3	2	2	3		13	1744.2	Fire Hose	
W-33C	19	2	7	0	5	Type-B	Type-B	2	3	1	3	2		11	1475.8	Fire Hose /Drainage Holes	
W-34C	19	2	7	0	5	Type-B	Type-B			1				1	134.2	Drainage Holes/notch Rt.	
W-35C	19	2	6	0	5	Type-B	Type-B			1				1	115.0	Fire Hose /Notch Right	
W-36C	19	2	5	0	5	Type-B	Type-B			1				1	95.8	Notch Right	
W-37C	19	2	4	0	5	Type-B	Type-B			3				3	230.0		
W-38C	19	2	6	0	5	Type-B	Type-B			1				1	115.0	Fire Hose /Notch Left	
W-39C	19	2	8	0	5	Type-B	Type-B					1		1	153.3	Drainage Holes/notch Lt.	
W-40C	19	2	7	0	5	Type-B	Type-B			1				1	134.2	Notch Left	
△ W-41C	17	2	8	0	5	Type-B	Type-B						1	1	137.3	Fire Hose	
△ W-43A	17	2	6	0	5	Type-B	Type-B						1	1	103.0	2ft Type-A Finish at Top	
△ W-44C	9	2	8	0	5	Type-B	Type-B						1	1	73.3	2ft Type-A Finish at Top	
											<b>414</b>	<b>49938</b>					

1-75 DBP ACC/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 4/22/08

1. APPROVED AS SUBMITTED
2. APPROVED AS NOTED
3. REVISE AND RESUBMIT
4. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or extent of work to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

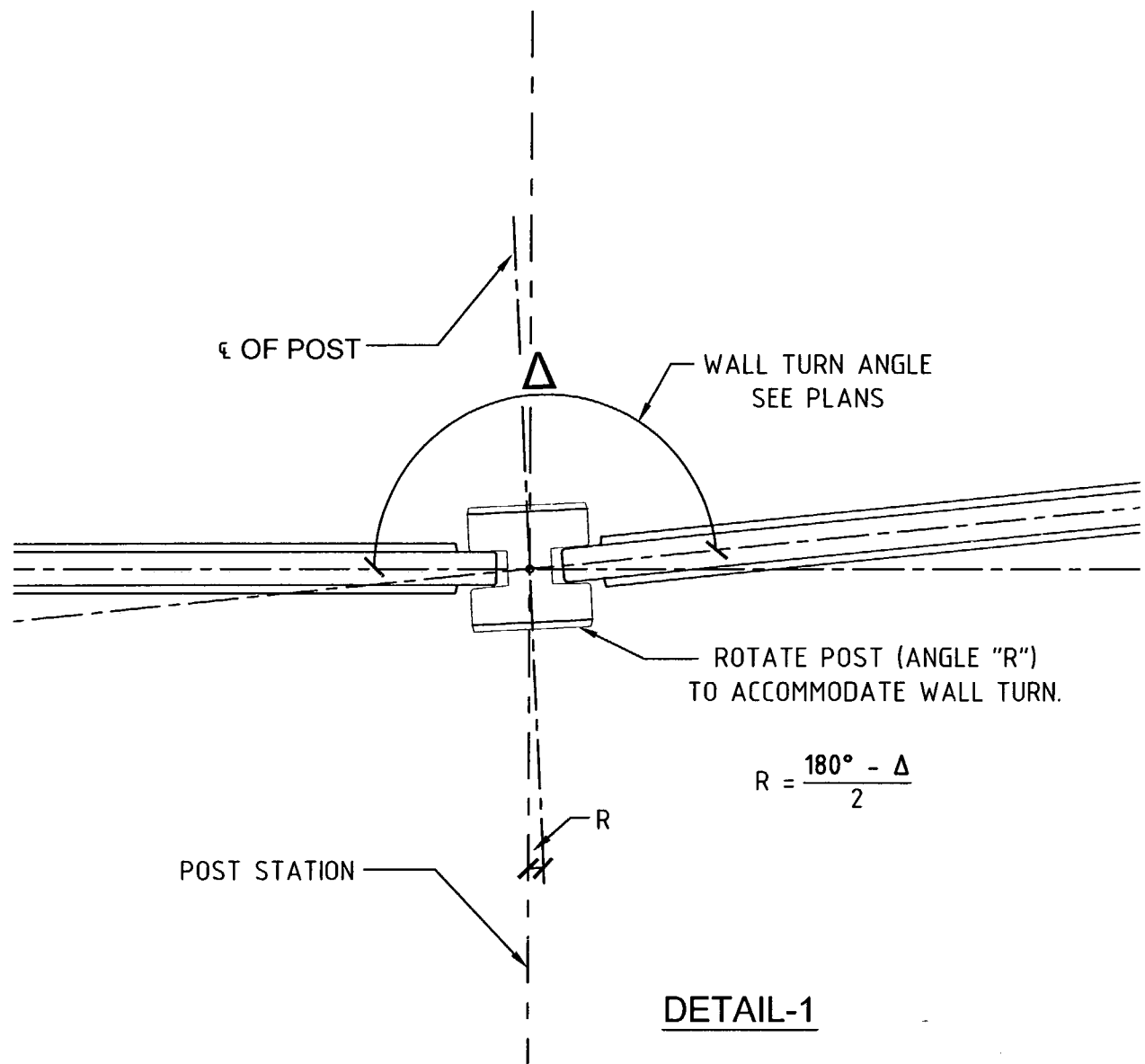
CONCRETE ENGINEERING, INC.

By: *[Signature]* Date: 4/23/08

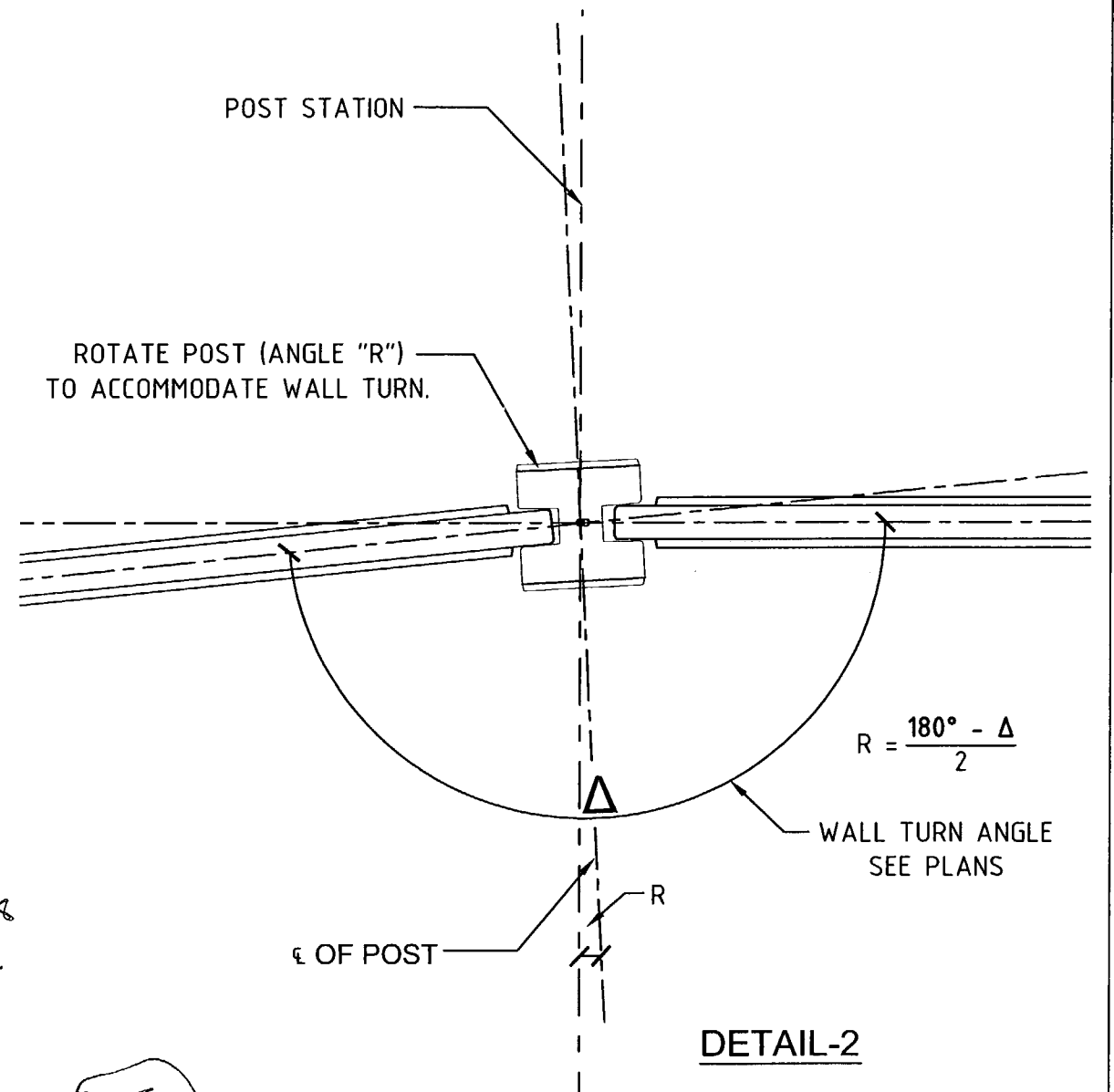
Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

CS-SD 17 PAGE 8-10



DETAIL-1



DETAIL-2

- A. APPROVED - SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or equal or better to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HOR ENGINEERING, INC.

By: DT Date: 4/23/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

**RELEASE FOR CONSTRUCTION**

[Signature]  
Signature  
4/25/08  
Date

NOT USED

1-75 DBF ACCI/PI, a Joint Venture  
 APPROVED  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 AMEND-SEE CHANGES BELOW  
 REJECTED  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS. SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 4/22/08

CS9D17 PAGE 9-10

Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/18/08	COMMENTS RECEIVED 02/18/08 - FIRE HOSE LOCATIONS
3	03/19/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HOR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 007 AND 1007  
 BW-1 THRU BW-1-4 DATED 1007

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

**Florida Engineering Solutions**  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33527  
 Ph: 352/568-6311 Fx: 352/568-5411 Web: www.florida-engineering.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 John A. Hy, P.E.  
 Florida License Number 55312

**DURATEK** The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8829  
 Toll Free: 800/754-3641 Ph: 352/708-5944 Fx: 352/708-5933 Website: www.duratek.net

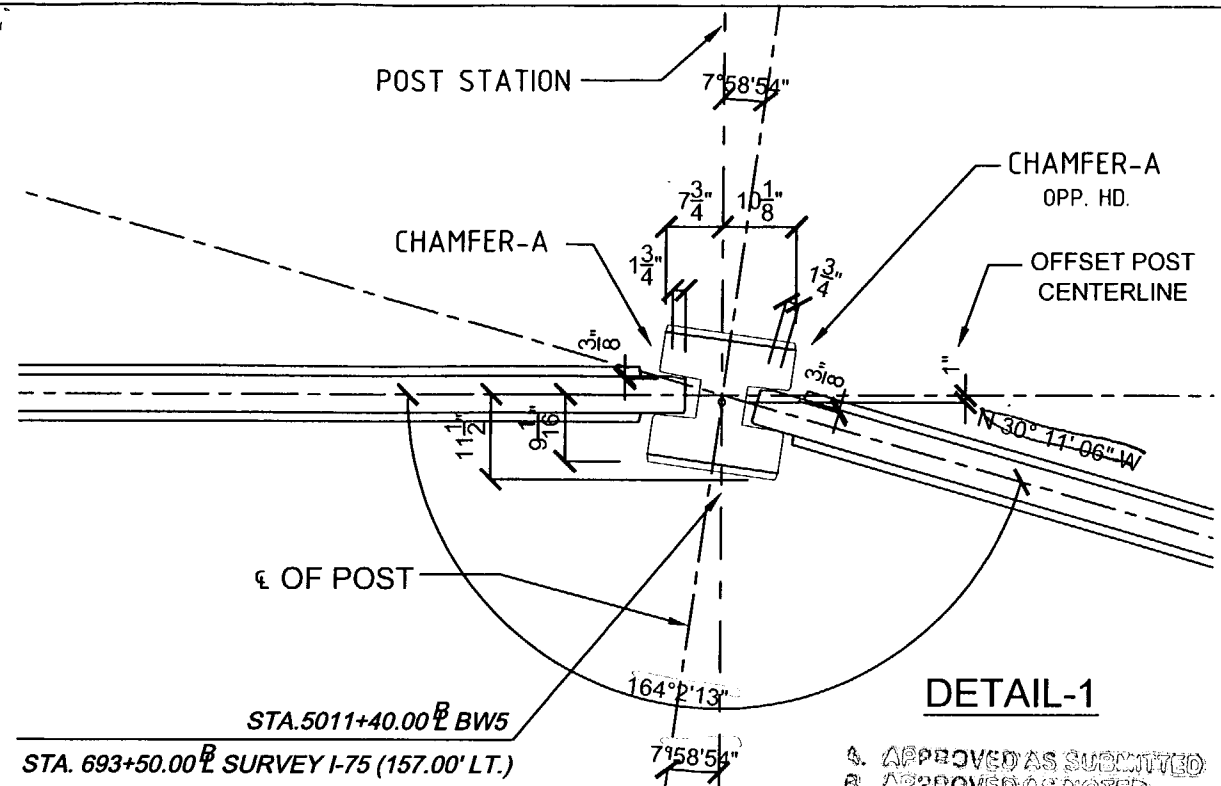
SOUND BARRIER WALL  
 TYPICAL WALL TURN DETAILS  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO.  
07-2055-701  
 SHEET NO.  
X3.00

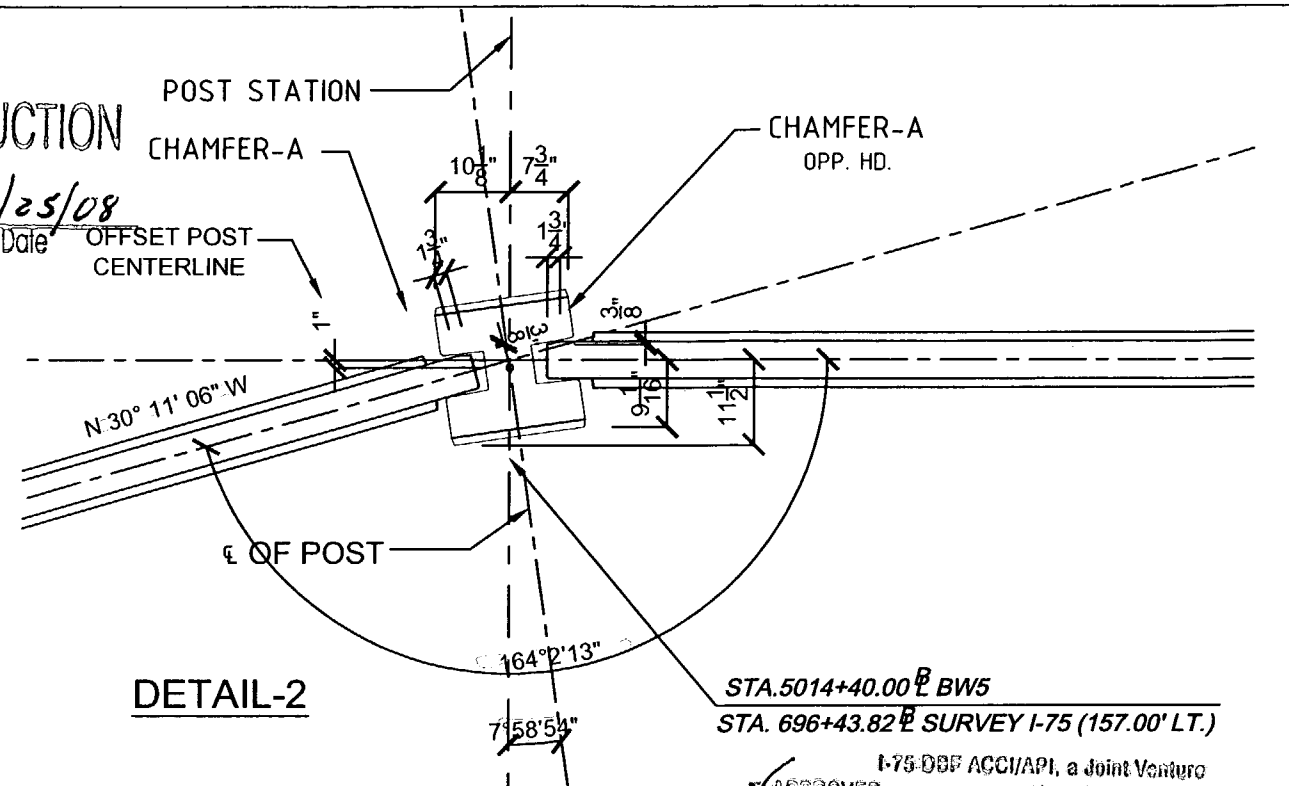
RELEASE FOR CONSTRUCTION

*[Signature]*  
Signature

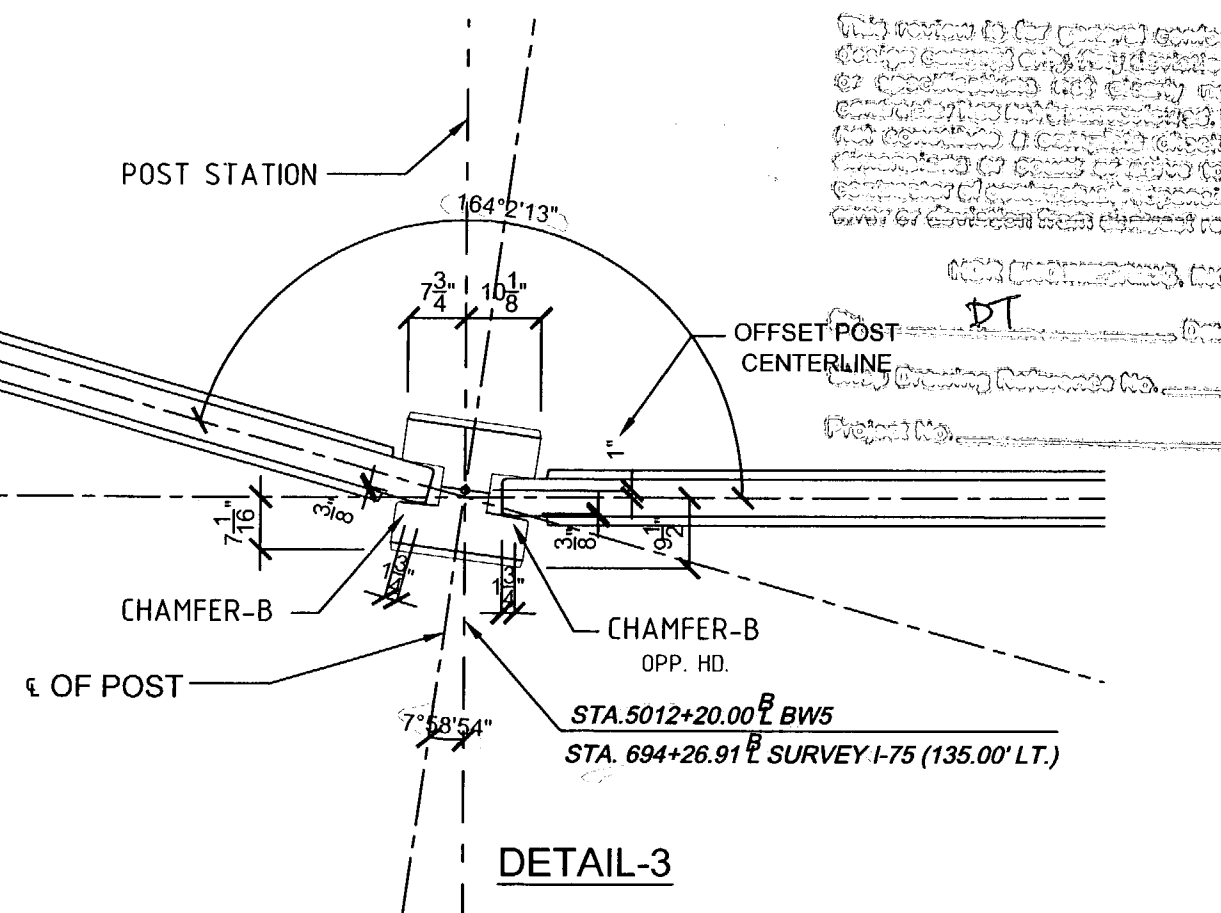
4/25/08  
Date



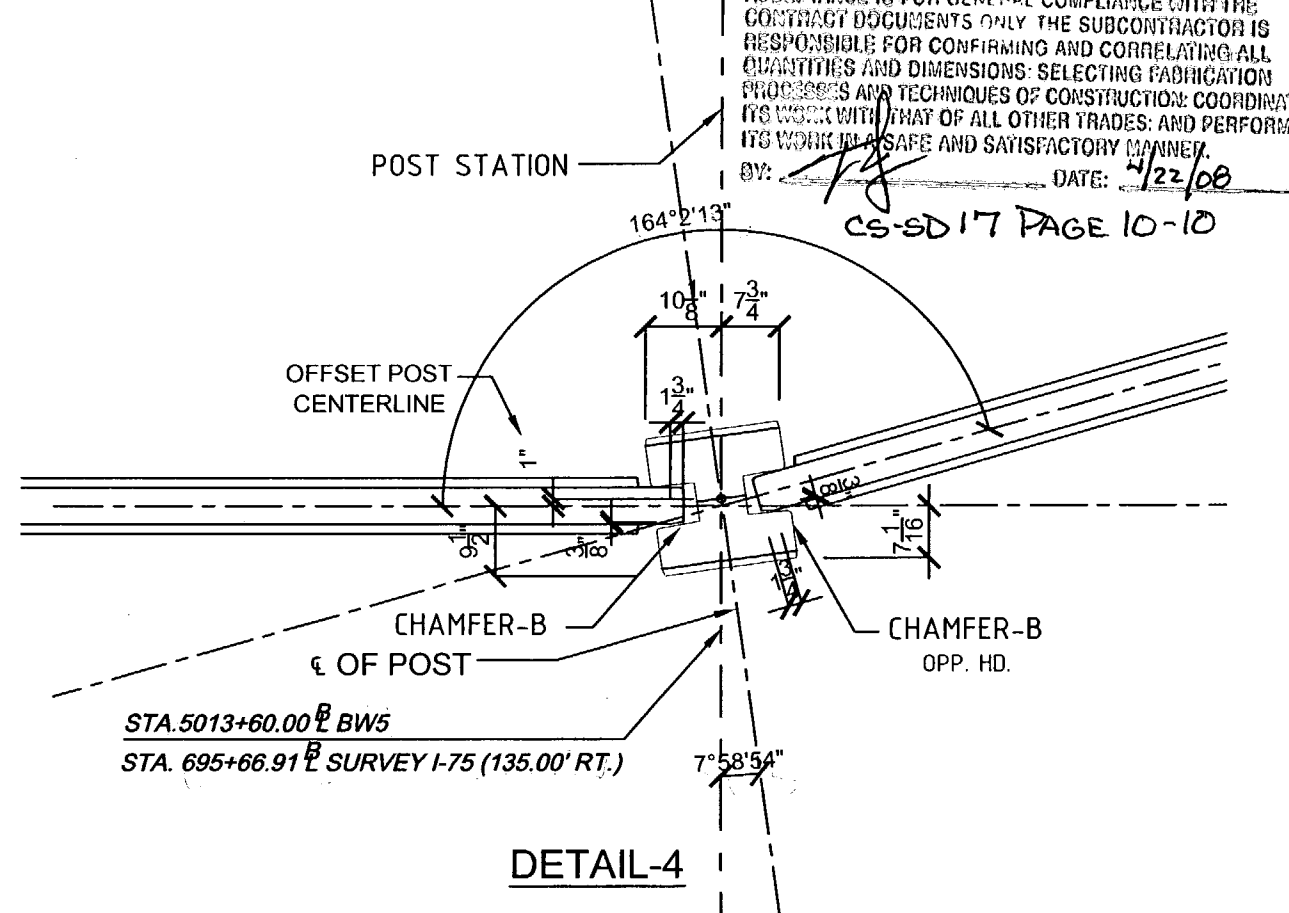
DETAIL-1



DETAIL-2



DETAIL-3



DETAIL-4

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

The review is for general compliance with design criteria and does not constitute a warranty or representation of any kind. The contractor is responsible for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating its work with that of all other trades, and performing its work in a safe and satisfactory manner.

4/23/08  
DT

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REFLECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 4/22/08

CS-SD 17 PAGE 10-10

Rev. No.	Date	Description
1	02/20/08	COMMENTS RECEIVED 02/20/08 - PINE HOLE LOCATIONS & WALL ELEV
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-8 DATED 9/07 AND 10/07  
 BWS-1 THRU BWS-3 DATED 10/07

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/20/08

**Florida Engineering Solutions**  
 C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33578  
 Ph: 352/688-6311 Fax: 352/688-6411 Web: www.florida-engineering.com

John A. Hoy, P.E.  
 Florida License Number: 65312

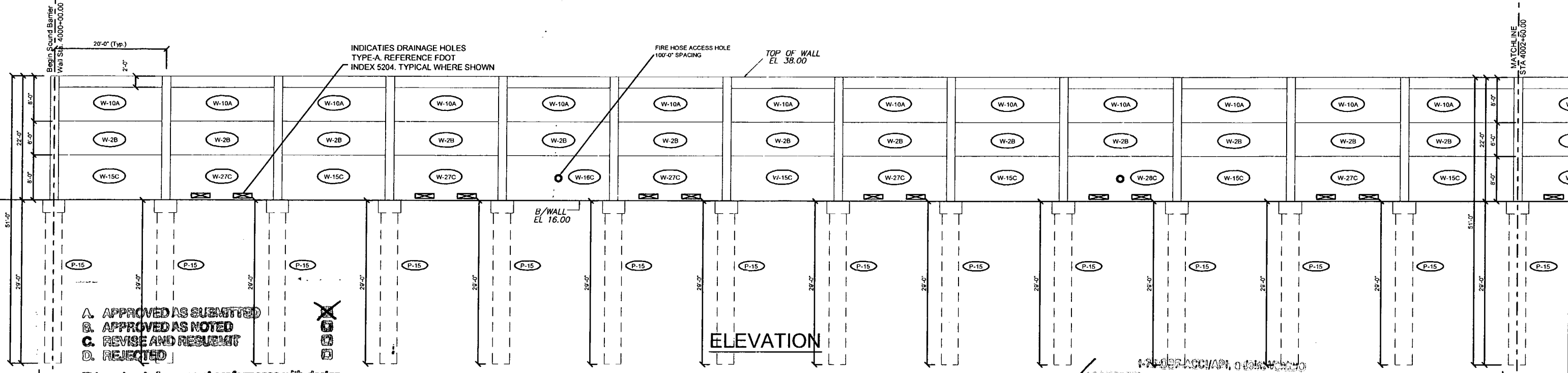
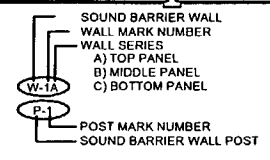
**DURATEK** PRECAST TECHNOLOGIES  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6929  
 Toll Free: 800/754-3841 Ph: 352/795-5044 Fax: 352/795-5933 Website: www.duratek.net

PROJECT NO. 07-2055-701  
 SHEET NO. X3.02  
 SOUND BARRIER WALL 5 (THREE OAKS) WALL TURN DETAILS  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

N 18° 18' 02" W

### PLAN VIEW

BEGIN SOUND BARRIER WALL 4  
(STONE BROOK)  
STA. 4000+00.00 @ BW4  
STA. 493+00.00 @ SURVEY I-75 (159.39' RT.)



### ELEVATION

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

PL Date 2/26/08

Project Drawing Reference No.

N 18° 18' 02" W

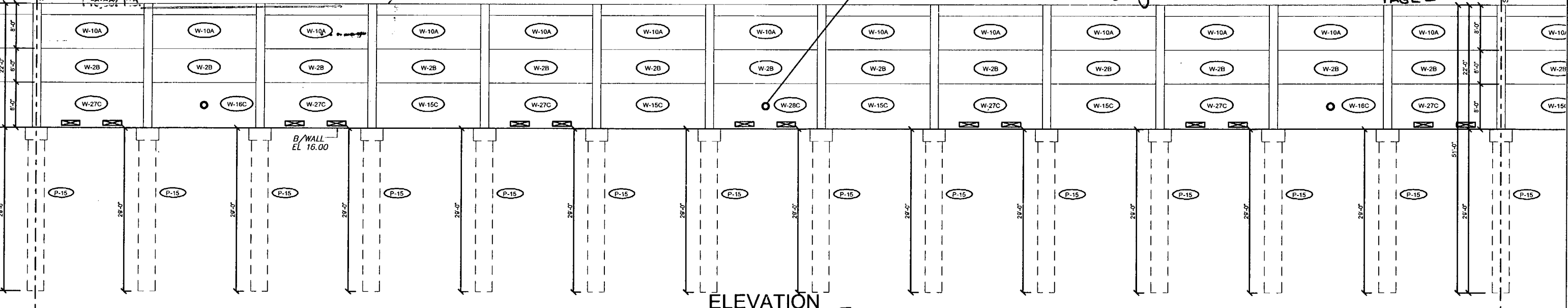
### PLAN VIEW

- APPROVED
- APPROVED AS NOTED
- REJECTED
- RETURNED FOR CORRECTION
- AMEND-SEE CHANGES BELOW

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESS AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 2/22/08

CS-SD16 PAGE 1-13



### ELEVATION

Rev. No.	Date	Description
1	02/21/08	Comments Report 02/18/08 - Fire Access Hole Locations

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC. BW-1 THRU BW-5 DATED 06/7 AND 10/07 BW-1 THRU BW-4 DATED 06/07

Drawn By: J.R.A.  
Date: 01/22/08  
Checked By: J.A.H.  
Date: 01/29/08

Florida Engineering  
P E I T O R S  
C.A. No. 26300 - 12630 Casey St. - Suite 101 - San Antonio, FL 33504  
Ph: 352/688-6311 Fax: 352/688-6411 Web: www.floridaing.com

February 21st, 2008  
John A. Hoy, P.E.  
Florida License Number 65312

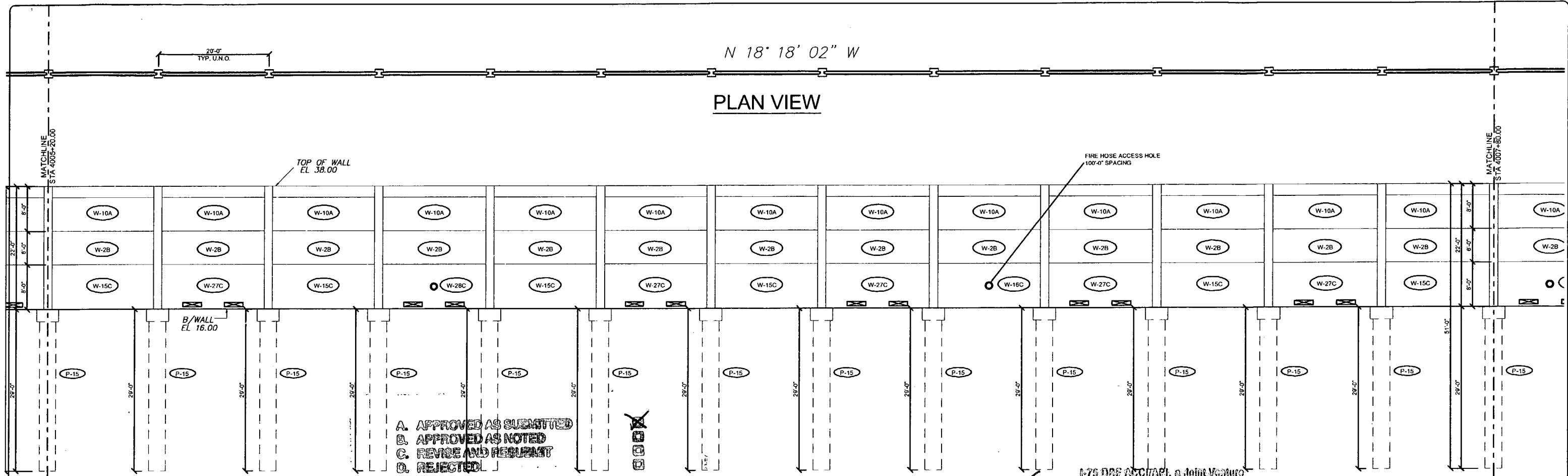
**DURATEK**  
PRECAST TECHNOLOGIES  
The Edge in Perimeter Walls  
Concrete Pro-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6529  
Toll Free: 800/754-3541 Ph: 352/795-5944 Fax: 352/795-5933 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONE BROOK) PLAN AND ELEVATION  
SHOP DRAWING (STA 4000+00.00 - 4005+20.00)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
SHEET NO. X1.22

N 18' 18" 02" W

PLAN VIEW



- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

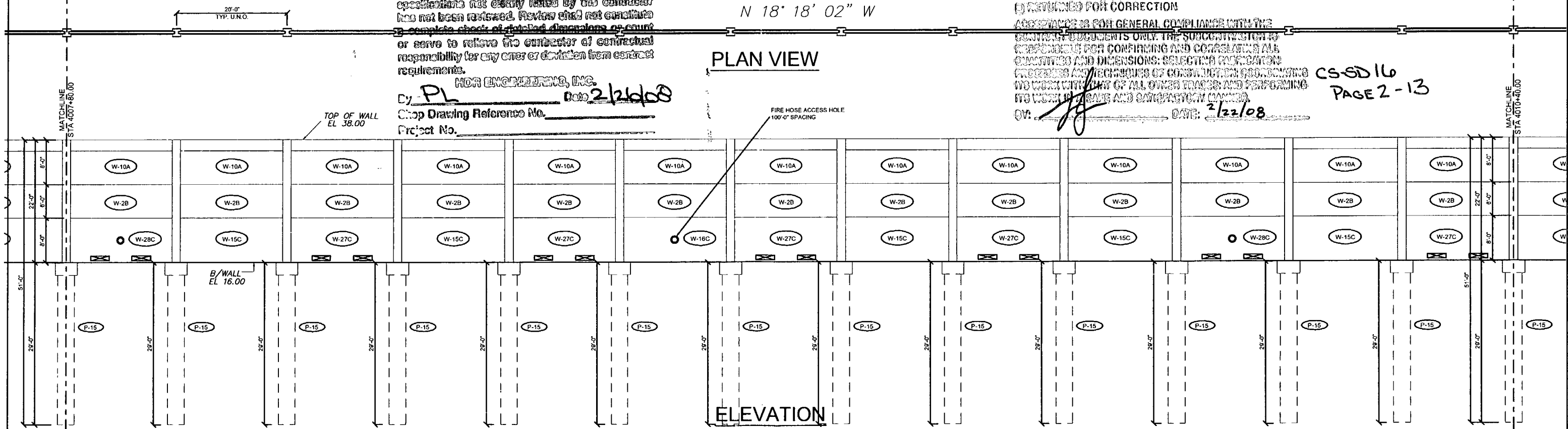
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HOR ENGINEERING, INC.  
 By: PL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

ELEVATION

N 18' 18" 02" W

PLAN VIEW



I-75 DBF ACC/TAPI, a Joint Venture

- APPROVED
- APPROVED AS NOTED
- RETURNED FOR CORRECTION
- AMEND-SEE CHANGES BELOW
- REJECTED

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESS AND TECHNIQUES OF CONSTRUCTION; GOOD-MANAGING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN SAFE AND SATISFACTORY MANNER.

OV: [Signature] DATE: 2/22/08

CS-SD 16  
 PAGE 2-13

ELEVATION

Rev. No.	Date	Description
02/18/08		Commons Record 02/18/08 - Fire Access Hole Locations

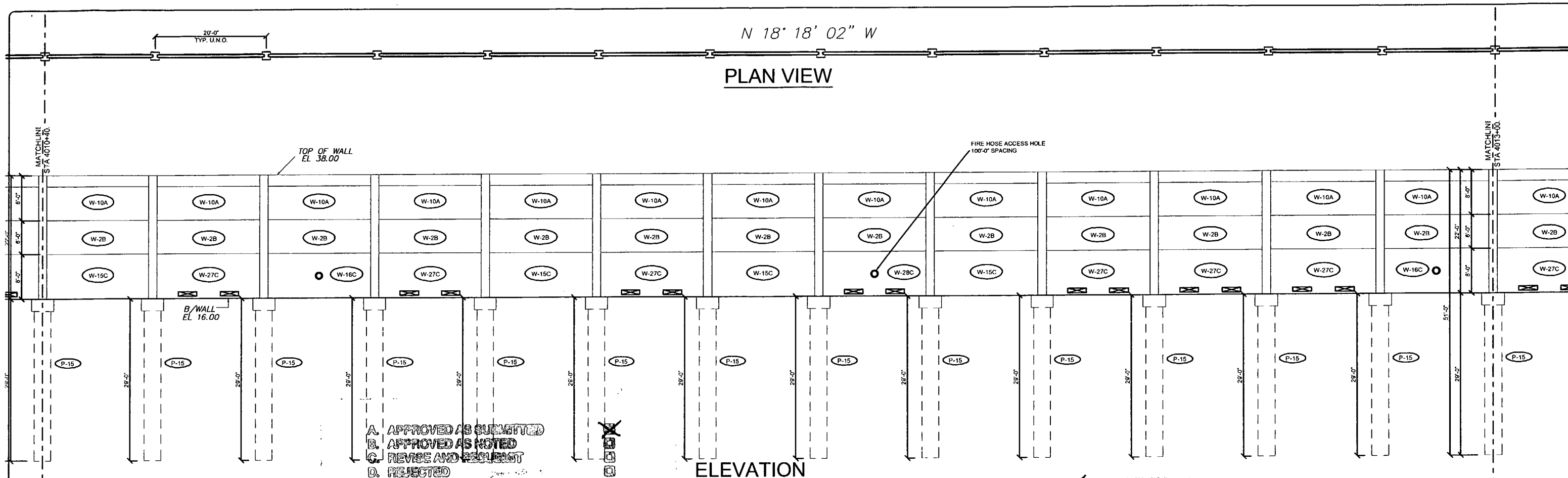
SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HOR ENGINEERING, INC.  
 BW-1 THRU BW-4 DATED 06/7 AND 10/07  
 BW-1 THRU BW-4 DATED 06/7

Drawn By:	J.R.A.
Date:	01/22/08
Checked By:	J.A.H.
Date:	01/29/08

**Florida Engineering Solutions**  
 C.A. No. 28300 - 12930 Curley St. - Suite 101 - San Antonio, FL 33876  
 Ph: 352 / 688 - 8311. Fx: 352 / 688 - 8411. Web: www.florida-engineering.com

**DURATEK** PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
 Toll Free: 800/754-3641 Ph: 352/798-5844 Fx: 352/798-5833 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION  
 SHOP DRAWING (STA 4005+20.00 - 4010+40.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.23



N 18' 18' 02" W  
**PLAN VIEW**

**ELEVATION**

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

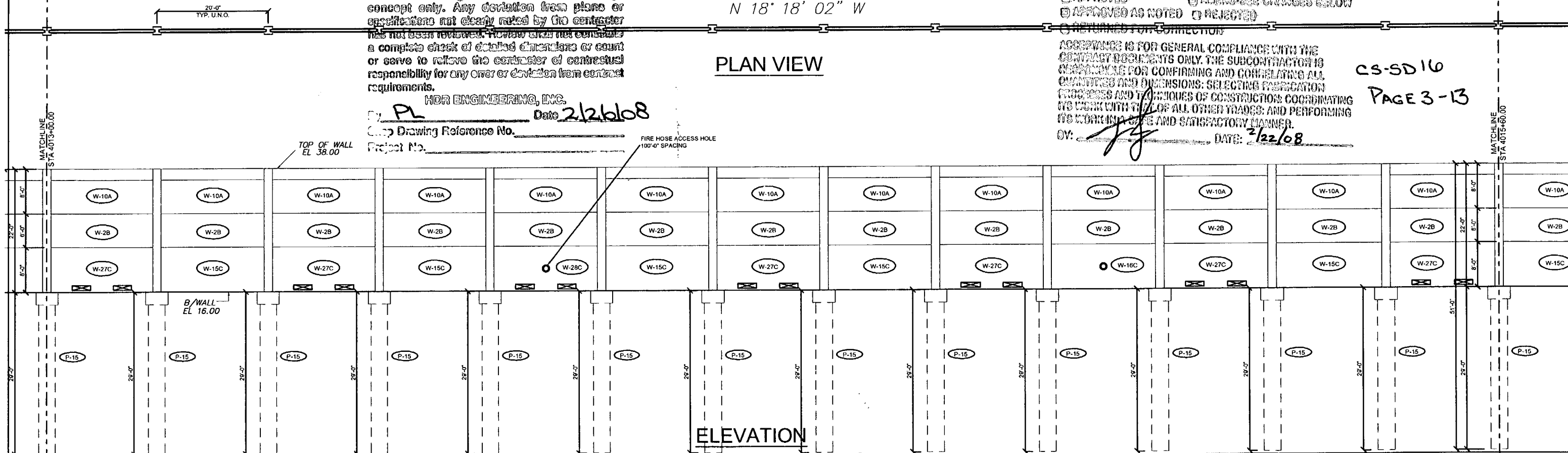
By PL Date 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

- APPROVED
- APPROVED AS NOTED
- RETURNS FOR CORRECTION
- AMEND-SEE CHANGES BELOW
- REJECTED

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORKING IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 2/22/08

CS-SD10  
PAGE 3-13



N 18' 18' 02" W  
**PLAN VIEW**

**ELEVATION**

Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-4 DATED 007 AND 1007  
 BW-1 THRU BW-4 DATED 007

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/29/08

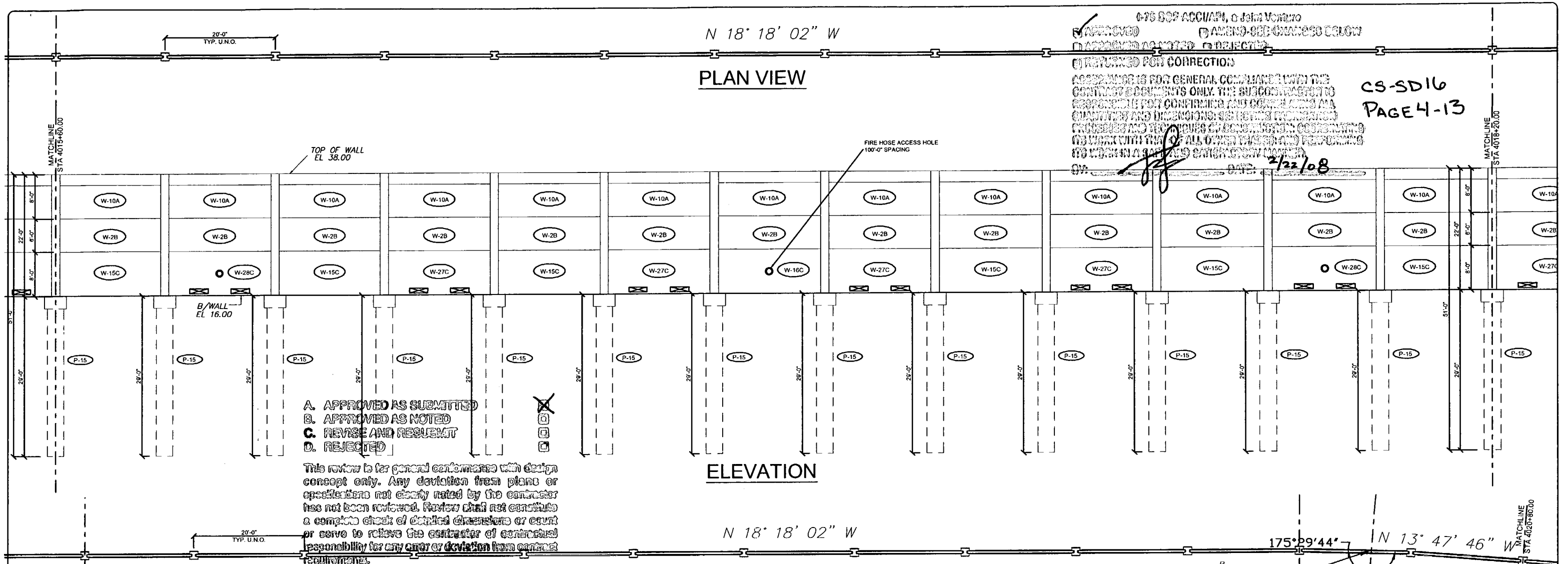
**Florida Engineering**  
 CONSULTING ENGINEERS  
 C.A. No. 28300 - 12830 Cutler St., Suite 101 - San Antonio, FL 33507  
 Ph: 352 / 588 - 5311 Fax: 352 / 588 - 5411 Web: www.florida-engineering.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
 Toll Free: 800/754-3841 Ph: 352/708-5944 Fax: 352/708-5933 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONE BROOK) PLAN AND ELEVATION  
 SHOP DRAWING (STA 4010+40.00 - 4015+60.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO.  
07-2055-701  
 SHEET NO.  
X1.24



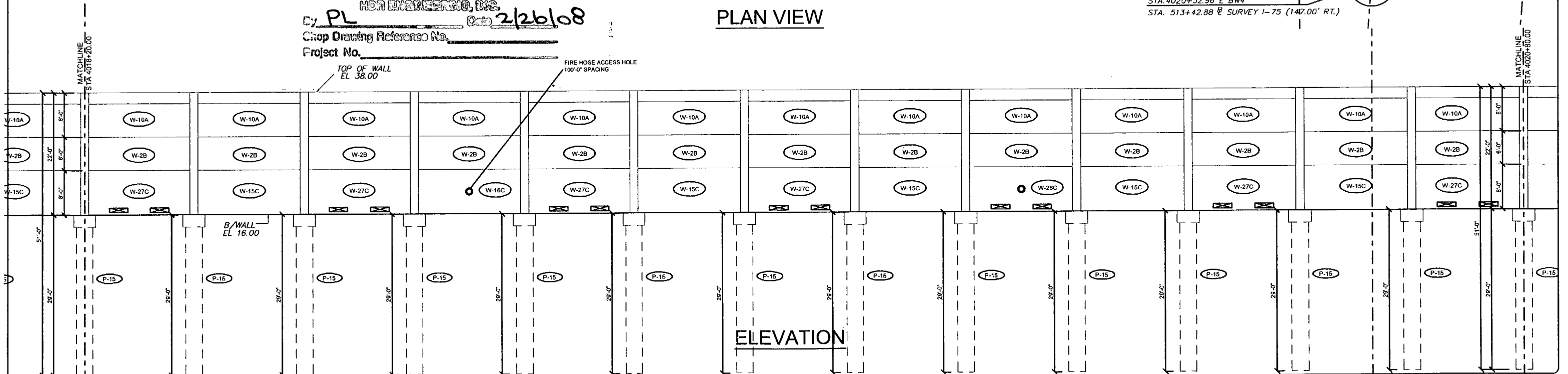
0-75 BOP ACCI/PI, 0 John VonL...  
 APPROVED  
 APPROVED AS NOTED  
 REJECTED  
 RETURNED FOR CORRECTION  
 ACCESSIBLE FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS, SELECTING MATERIALS, CROSSINGS AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 2/22/08

CS-SD16  
 PAGE 4-13

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

MOA ENGINEERING, INC.  
 By: PL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



Rev. No.	Date	Description
1	02/18/08	Comments Regard 02/18/08 - Fire Access Hole Locations

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HOR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 06/7 AND 10/07  
 BW-4 THRU BW-4 DATED 06/7

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/29/08

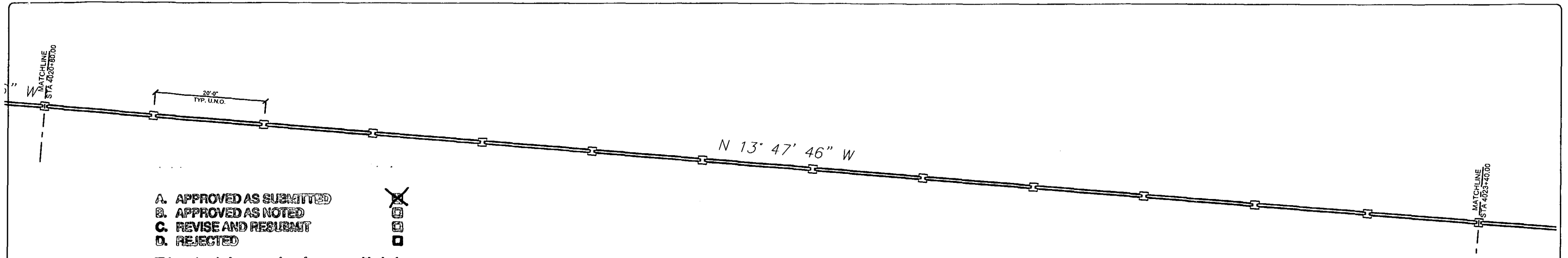
**Florida Engineering**  
 S & F 1500  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33578  
 Ph: 352 / 588 - 8311 Fx: 352 / 588 - 8411 Web: www.florida-engineering.com

February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 55312

**DURATEK**  
 PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brookville, FL 34604-0820  
 Toll Free: 800/754-3641 Ph: 352/708-5944 Fx: 352/708-5933 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION  
 SHOP DRAWING (STA 4015+60.00 - 4020+80.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.25



- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED



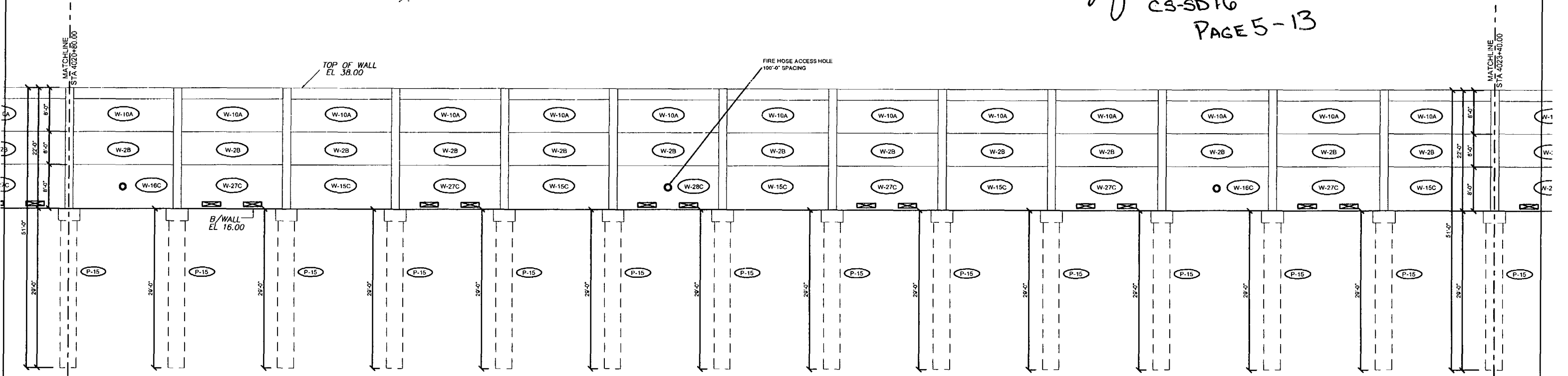
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By PL Date 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

**PLAN VIEW**

✓  APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING APPROPRIATE TRADES AND METHODS OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: Jfj DATE: 2/22/08

CS-SD16  
 PAGE 5-13



**ELEVATION**

Rev. No.	Date	Description
1	02/18/08	Comments Received 02/18/08 - Fire Access Hole Locations

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 06/7 AND 10/07  
 BW-1 THRU BW-4 DATED 06/07

Drawn By:	J.R.A.
Date:	01/22/08
Checked By:	J.A.H.
Date:	01/29/08

**Florida Engineering Solutions**  
 C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33512  
 Ph: 352 / 688 - 6311 Fx: 352 / 688 - 6411 Web: www.florida-engineering.com

February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 93312

**DURATEK** PRECAST TECHNOLOGIES  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0829  
 Toll Free: 800/754-3641 Ph: 352/766-5944 Fx: 352/766-5933 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION  
 SHOP DRAWING (STA 4020+80.00 - 4023+40.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.26



- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

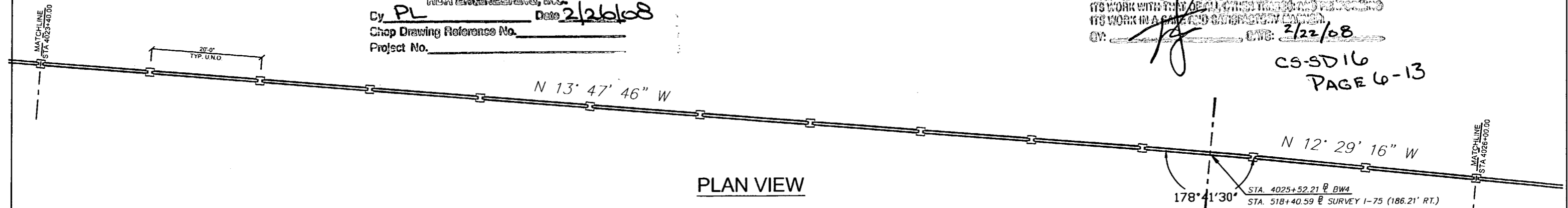
**X**  
0000

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

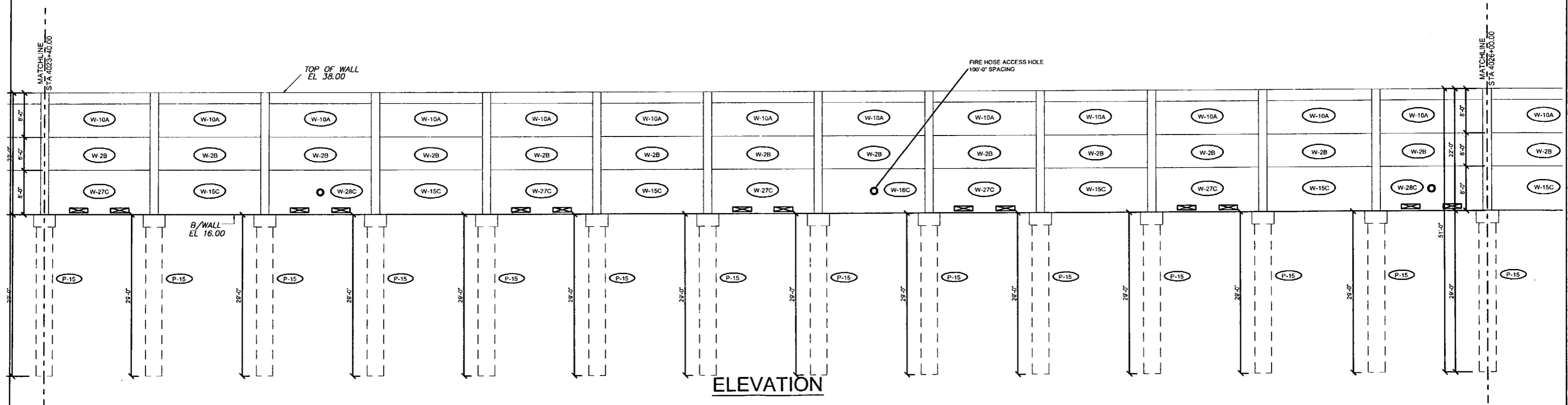
HDR ENGINEERING, INC.  
 By PL Date 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

I-75 DDP ACCURATE CORRECTIONS  
 APPROVED  AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBMITTER IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS. SELECTING THE BEST PROCESSES AND TECHNIQUES OF CONSTRUCTION. COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES AND PROTECTING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 2/22/08

CS-SD16  
 PAGE 6-13



PLAN VIEW



ELEVATION

Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 06/7 AND 10/07  
 BW-1 THRU BW-4 DATED 9/07

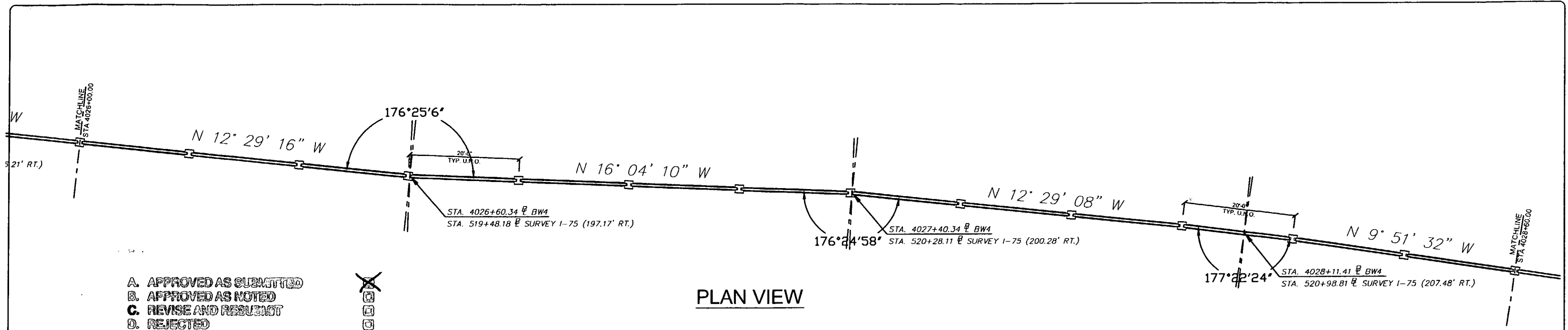
Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/20/08

**Florida Engineering Solutions**  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33570  
 Ph: 352 / 688 - 5311 Fax: 352 / 688 - 5411 Web: www.florida-engineering.com

February 21st, 2008  
 John A. Hay, P.E.  
 Florida License Number 93312

**DURATEK** PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8829  
 Toll Free: 800/764-3041 Ph: 352/795-5944 Fax: 352/795-5933 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONE BROOK) PLAN AND ELEVATION  
 SHOP DRAWING (STA 4023+40.00 - 4026+00.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.27



- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

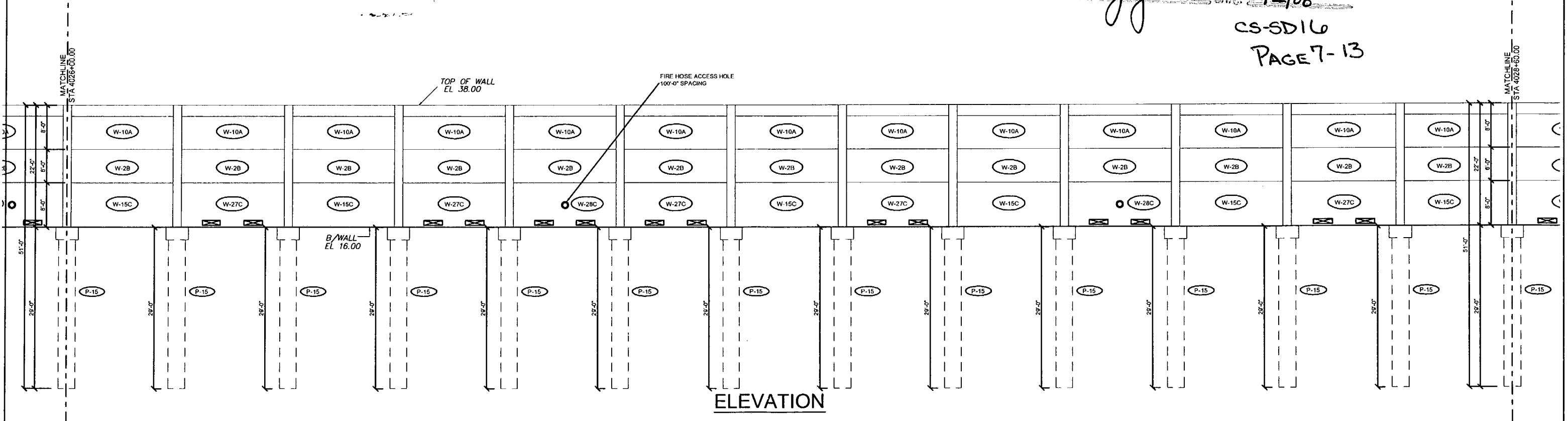
This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

BY PL HDR ENGINEERING, INC. Date 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

**PLAN VIEW**

I-75 DBF ACC/APP, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 2/22/08

CS-SD16  
 PAGE 7-13



**ELEVATION**

Rev. No.	Date	Description
1	02/18/08	Comments Received 02/18/08 - Fire Access Hole Locations

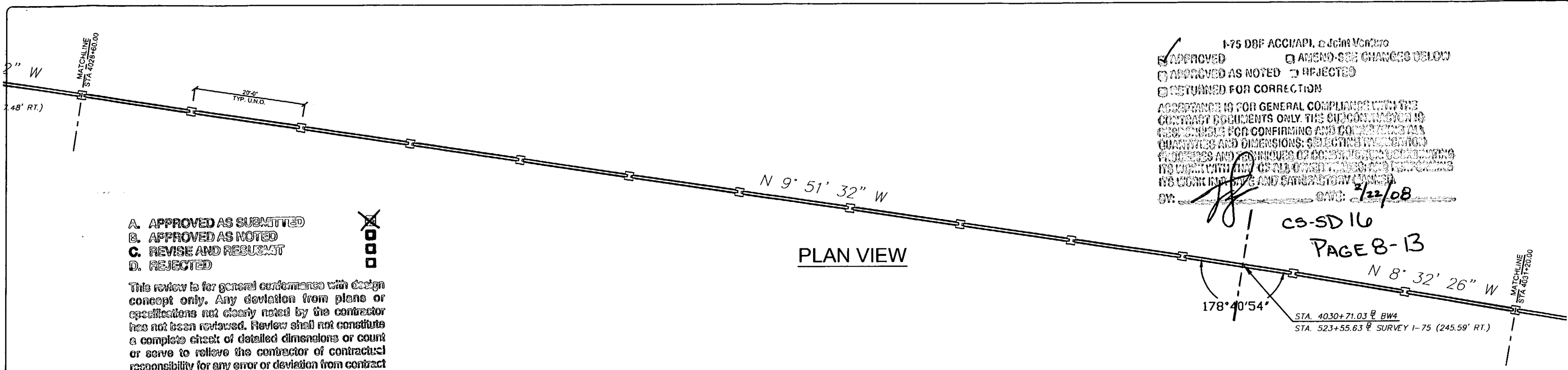
SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 06/7 AND 10/07  
 BW-1 THRU BW-4 DATED 06/7

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/29/08

**Florida Engineering Solutions**  
 February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**DURATEK** PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34804-6823  
 Tall Free: 800/764-3841 Ph: 352/768-0944 Fax: 352/768-0933 Website: www.duratek.net

PROJECT NO. 07-2055-701	SHEET NO. X1.28
----------------------------	--------------------



1-75 DBF ACC/APL. 01/26/08  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 2/22/08

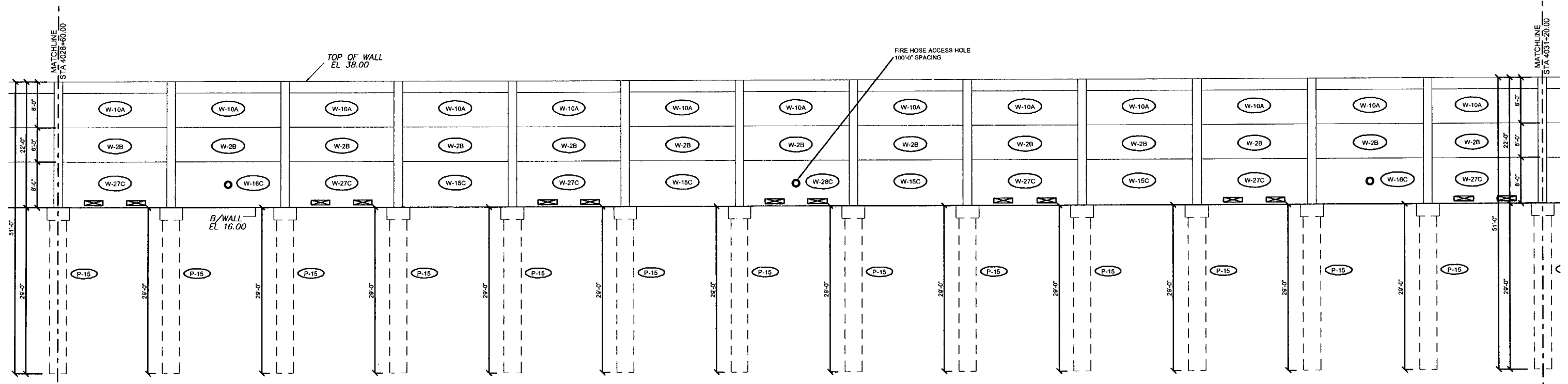
CS-SD16  
 PAGE 8-13

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

A  
 B  
 C  
 D

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: PL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



ELEVATION

Rev. No.	Date	Description
02/18/08	02/18/08	Comments Revised 02/18/08 - Fire Access Hole Locations

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-4 DATED 8/07 AND 10/07  
 BW-1 THRU BW-4 DATED 8/07

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/29/08

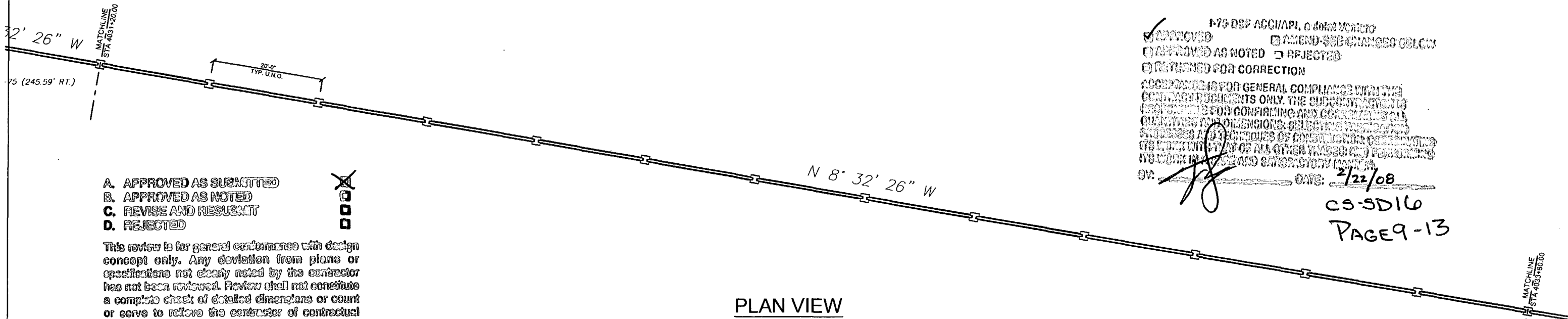
**Florida Engineering Solutions**  
 C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33870  
 Ph: 352 / 668 - 5311 Fax: 352 / 668 - 5411 Web: www.florida-engineering.com

February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 55312

**DURATEK** PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pro-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8820  
 Toll Free: 800/754-3641 Ph: 352/766-5844 Fax: 352/766-6933 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION  
 SHOP DRAWING (STA 4028+60.00 - 4031+20.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.29



APPROVED  
 AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  
 REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS. DELIVERING PARTICULAR PROFILES AND FINISHES OF CONSTRUCTION. COORDINATING ITS WORK WITH ALL OTHER TRADES AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 2/22/08

CS-SD16  
 PAGE 9-13

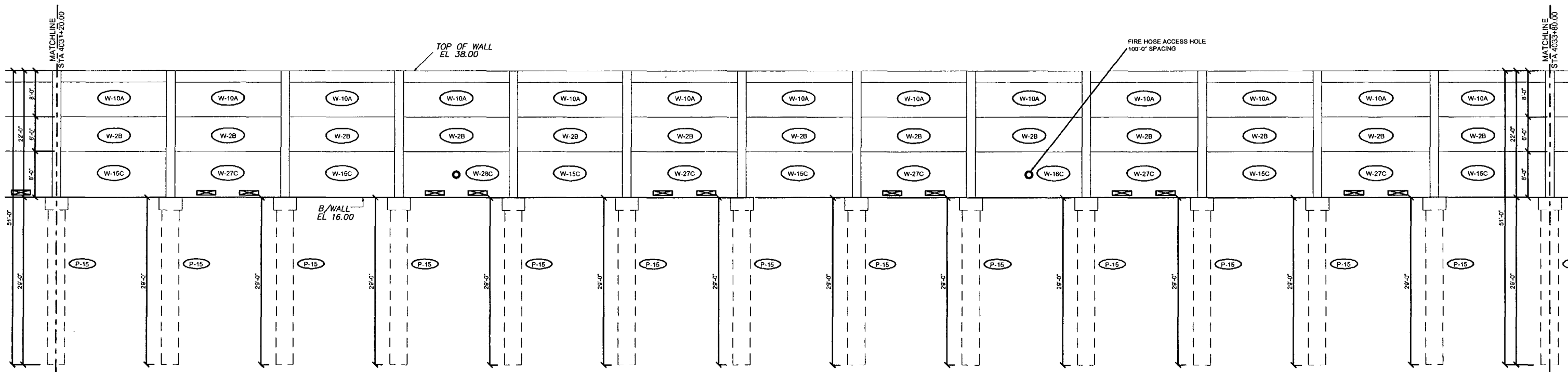
- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED



This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

**PLAN VIEW**

HDR ENGINEERING, INC.  
 By: PL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



**ELEVATION**

Rev. No.	Date	Comments	Description
1	02/18/08	Comments Based 02/18/08 - Fire Access Hole Locations	

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 06/07 AND 10/07  
 BW-4 THRU BW-4-D DATED 06/07

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/29/08

C.A. No. 26300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33576  
 Ph: 352 / 688 - 5311 Fax: 352 / 688 - 5411 Web: www.florida-engineering.com

February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

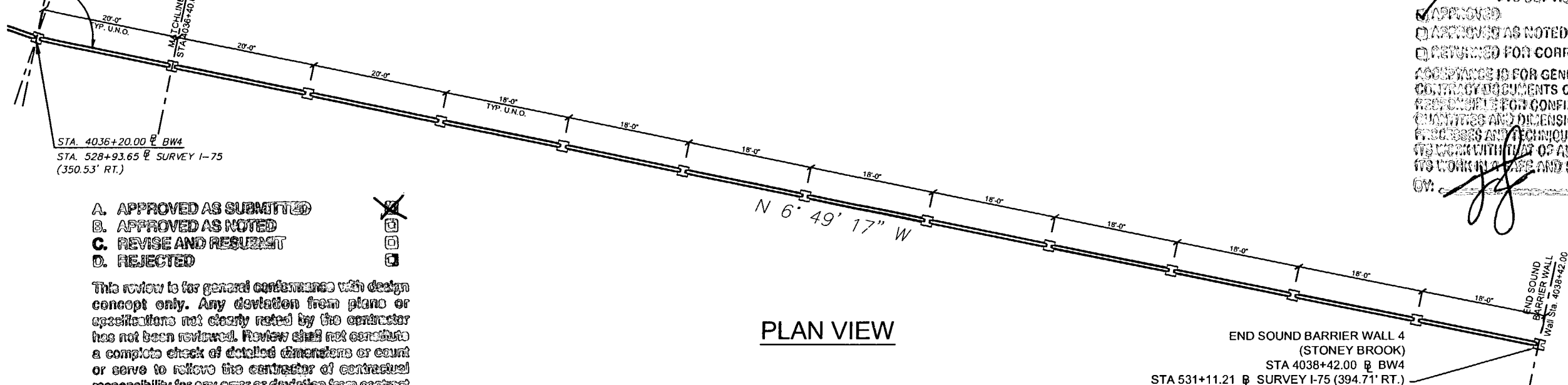
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
 Toll Free: 800/754-3041 Ph: 352/798-5944 Fax: 352/798-5933 Website: www.duratek.net

PROJECT NO. 07-2055-701  
 SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION  
 SHOP DRAWING (STA 4031+20.00 - 4033+80.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

SHEET NO. X1.30



172° 56' 23"



PLAN VIEW

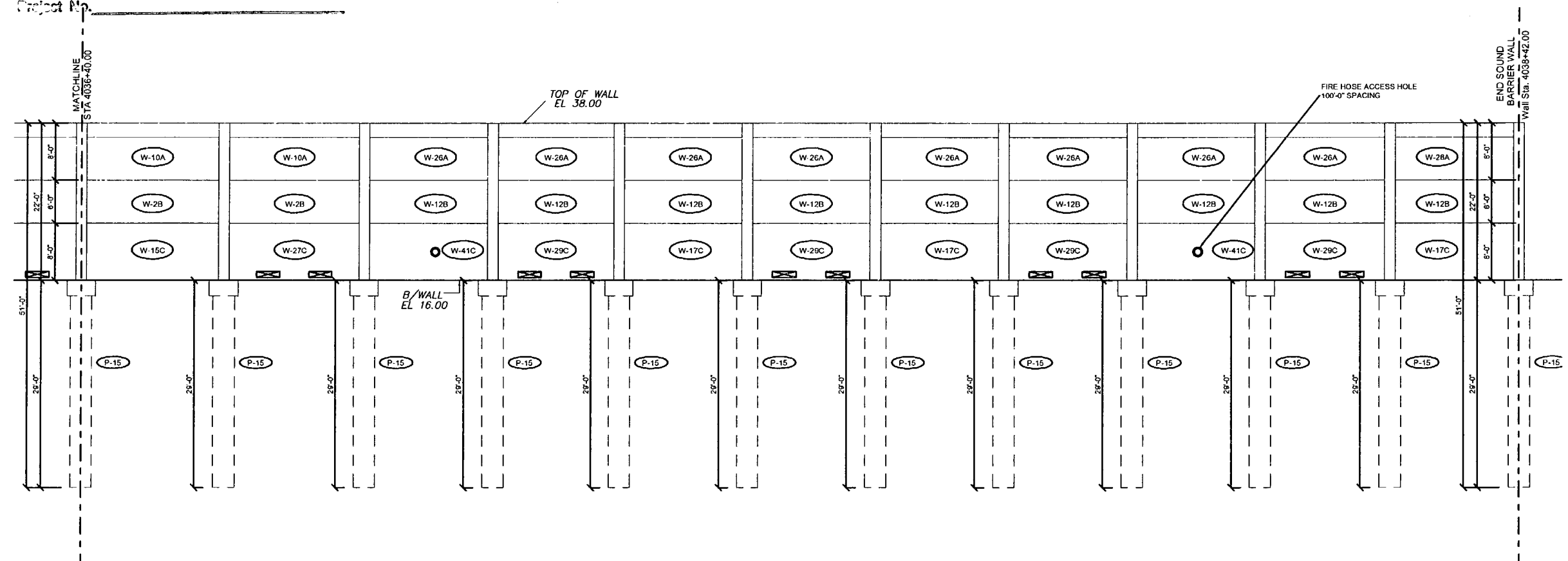
075 DDF ACCNAPR, a JOHN VONRUTO  
 APPROVED  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 AMEND-SEE CHANGES BELOW  
 REJECTED  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION METHODS AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *J.A.H.* DATE: 2/22/08

CS-SD16  
 PAGE 11-13

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: *J.A.H.* Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



ELEVATION



- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 Date 2/26/08  
 Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

1-73 692 ASCH/91, a John V. ...  
 APPROVED  APPROVED WITH CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBMITTER ASSUMES RESPONSIBILITY FOR COMPLETING AND CORRECTING ALL DISCREPANCIES AND OMISSIONS. THE SUBMITTER ASSUMES RESPONSIBILITY FOR THE DESIGN AND CONSTRUCTION OF ALL CONTRACT DOCUMENTS AND FOR THE PERFORMANCE OF ALL CONTRACT WORK AND FOR THE PROTECTION OF ALL CONTRACT WORK.  
 Date 2/22/08

*[Handwritten Signature]*



**DURATEK PRECAST WALL PANEL SCHEDULE - SOUND BARRIER WALL (STONEY BROOK)**

Duratek Mk No.	Panel Length (ft-in)		Panel Height (ft-in)		Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number											Total Panel Quantity	Total Panel Square Footage	Remarks
								X1.22	X1.23	X1.24	X1.25	X1.26	X1.27	X1.28	X1.29	X1.30	X1.31	X1.32			
W-2B	19	2	6	0	5	Type-B	Type-B	26	26	26	26	13	13	13	13	13	13	2	184	21160.0	
W-10A	19	2	8	0	5	Type-B	Type-B	26	26	26	26	13	13	13	13	13	13	2	184	28213.3	2ft Type-A Finsh at Top
W-12B	17	2	6	0	5	Type-B	Type-B											9	9	927.0	
W-15C	19	2	8	0	5	Type-B	Type-B	10	11	9	11	5	5	6	4	6	5	1	73	11193.3	
W-16C	19	2	8	0	5	Type-B	Type-B	3	2	3	2	2	1		2	1	1		17	2606.7	Fire Hose Access Hole
W-17C	17	2	8	0	5	Type-B	Type-B											3	3	412.0	
W-26A	17	2	8	0	5	Type-B	Type-B											9	9	1236.0	2ft Type-A Finsh at Top
W-27C	19	2	8	0	5	Type-B	Type-B	11	10	12	10	5	5	5	6	5	5	1	75	11500.0	Drainage Holes
W-28C	19	2	8	0	5	Type-B	Type-B	2	3	2	3	1	2	2	1	1	2		19	2913.3	Fire Hose /Drainage Holes
W-29C	17	2	8	0	5	Type-B	Type-B											4	4	549.3	Drainage Holes
W-41C	17	2	8	0	5	Type-B	Type-B											2	2	274.7	Fire Hose Access Hole
																		<b>579</b>	<b>80986</b>		

CS-SD16  
PAGE 13-13

DATE: 2/23/08

BY: *[Signature]*

APPROVED AS NOTED  
APPROVED AS NOTED  
RETURNED FOR CORRECTION

\*AS OF REVIEW, COMMENTS  
APPROVED AS NOTED  
RETURNED FOR CORRECTION

\*FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS. SELECTING APPROPRIATE FINISHES AND REVISIONS OF CONSTRUCTION DOCUMENTS IS THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THE ENGINEER'S.

**DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (STONEY BROOK)**

Duratek Mk No.	Scheduled Pile Length (ft-in)		Scheduled Wall Height (ft-in)		Precast Post Length (ft-in)		W12x79 Overall Length (ft-in)		Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number											Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)	Remarks		
											X1.22	X1.23	X1.24	X1.25	X1.26	X1.27	X1.28	X1.29	X1.30	X1.31	X1.32							
P-15	29	0	22	0	22	7	50	5	Type-A	Type-A	26	26	26	26	13	13	13	13	13	13	13	13	12	194	4381.2	9780.8	7726.9	
																		<b>194</b>	<b>4381.2</b>	<b>9780.8</b>	<b>7726.9</b>							

D. PL  
HDR ENGINEERING, INC.  
Date: 2/26/08  
Comp Drawing Reference No.  
Project No.

A. APPROVED AS SUBMITTED  
B. APPROVED AS NOTED  
C. REVISE AND RESUBMIT  
D. REJECTED

This review is for general conformances with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or cover to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

April 18, 2008

ACCI / API, a Joint Venture  
12751 Westlinks Drive, Unit 1  
Fort Myers, FL 33913, FL 34604  
Attn: Felipe Jaramillo

RE: I-75 Sound Barrier Wall Shop Drawings – Stoney Brook

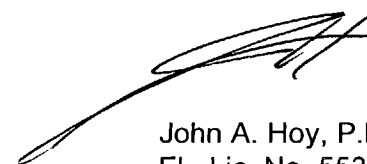
Mr. Jaramillo

Please find attached shop drawings for approval.

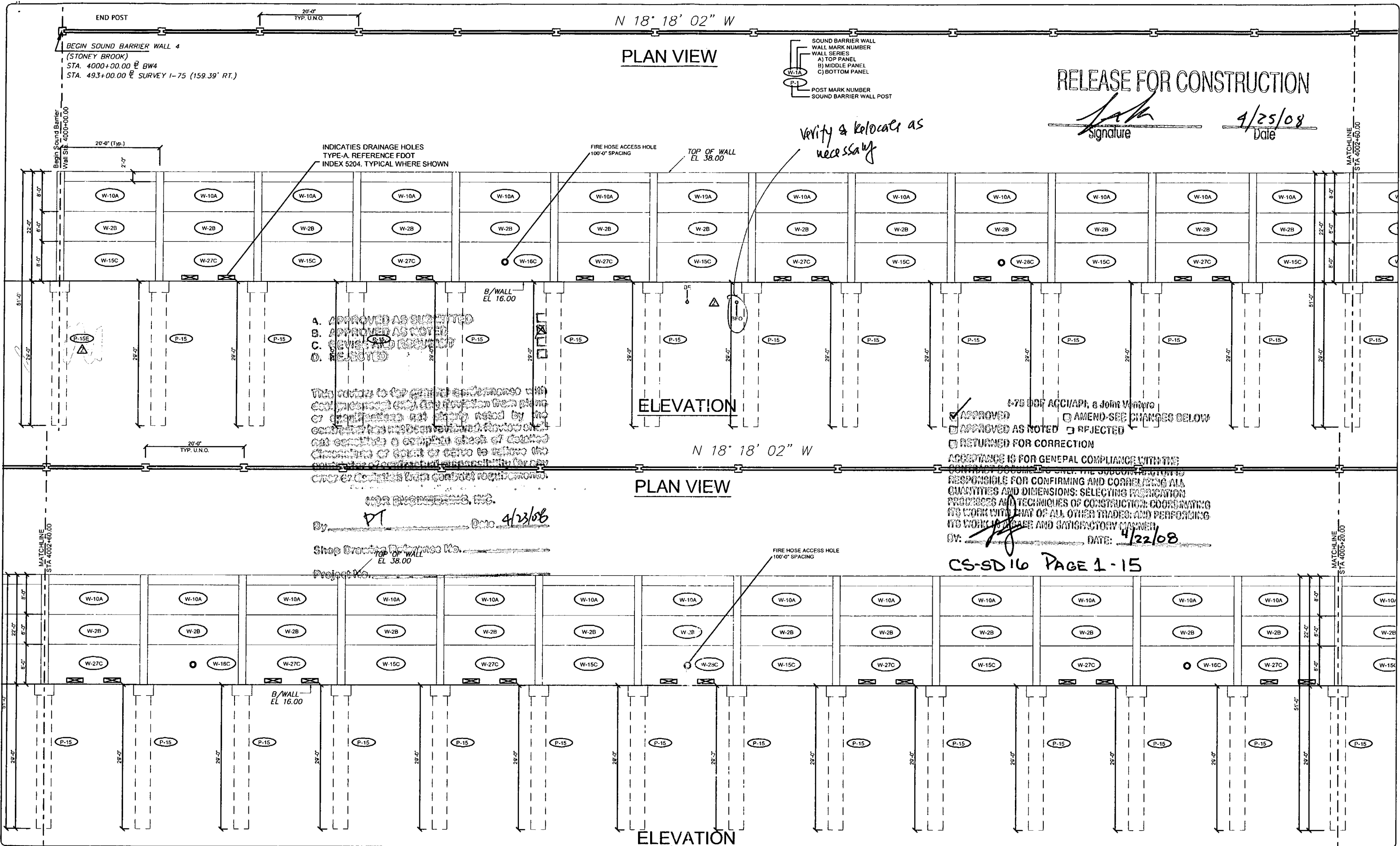
We have completed all revisions requested in accordance with the 100% Sound Barrier Wall drawings by HDR dated 02/08 and the FDOT Electronic Review Comments.

Please contact me if I can be of further assistance.

Respectfully,



John A. Hoy, P.E.  
FL. Lic. No. 55312



**RELEASE FOR CONSTRUCTION**  
 Signature: *[Signature]*  
 Date: 4/25/08

*Verify & relocate as necessary*

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISED AND RESUBMITTED
- D. REJECTED

This review is for general compliance with contract documents and does not constitute a complete check of detailed dimensions or quantities or relieve the contractor of responsibility for any error or omissions from contract requirements.

APPROVED AS NOTED  
 APPROVED AS NOTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 DATE: 4/22/08

CS-SD16 PAGE 1-15

By: *[Signature]* Date: 4/23/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

Rev. No.	Date	Description
1	02/18/08	Comments Rev'd 02/18/08 - Fire Alarm Unit Locations
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 8/07 AND 10/07  
 DW-1 THRU DW-4 DATED 8/07

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/20/08

**Florida Engineering**  
 1 of 11 Pages  
 April 18th, 2008  
 John A. Hoy, P.E.  
 Florida License Number 55312

**DURATEK**  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8829  
 Toll Free: 800/754-3841 Ph: 352/790-5944 Fax: 352/790-5933 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION  
 SHOP DRAWING (STA 4000+00.00 - 4005+20.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.22

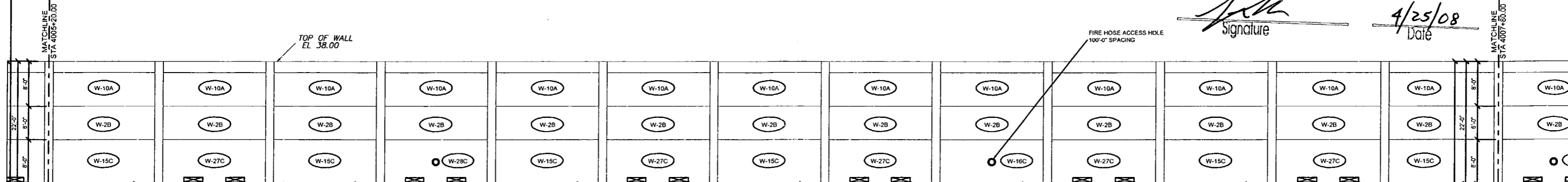
N 18' 18" 02" W

PLAN VIEW

RELEASE FOR CONSTRUCTION

Signature

4/25/08 Date

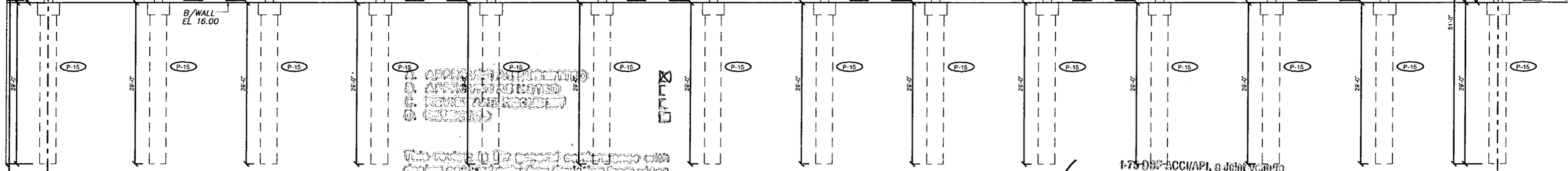


TOP OF WALL EL. 38.00

FIRE HOSE ACCESS HOLE 100'-0" SPACING

ELEVATION

N 18' 18" 02" W



A. APPROVED AS NOTED  
B. APPROVED AS NOTED  
C. REVISE AND RESUBMIT  
D. REJECTED

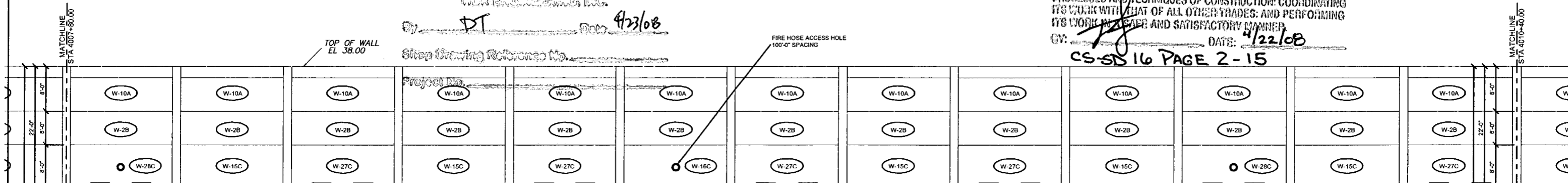
This drawing is prepared in accordance with the contract documents. Any deviation from plans or specifications not clearly noted by the contractor shall be the responsibility of the contractor. The contractor shall be responsible for any error or deviation from contract requirements.

APPROVED APPROVED AS NOTED REJECTED RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

CS-SD 16 PAGE 2-15

PLAN VIEW



TOP OF WALL EL. 38.00

FIRE HOSE ACCESS HOLE 100'-0" SPACING

ELEVATION

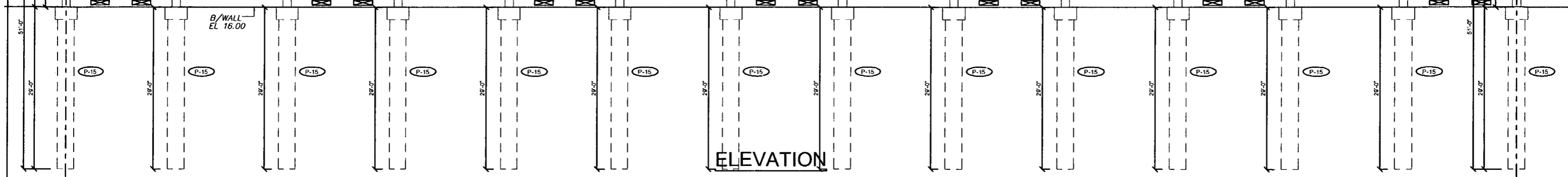


Table with 2 columns: Rev. No., Date, Description. Includes entries for 02/19/08 and 04/15/08.

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC. BW-1 THRU BW-6 DATED 9/01 AND 10/07 BW-4-1 THRU BW-4-4 DATED 9/07

Drawn By: J.R.A. Date: 01/22/08 Checked By: J.A.H. Date: 01/26/08

Florida Engineering logo and address: C.A. No. 28300 - 12630 Carley St. - Suite 101 - San Antonio, FL 33578

John A. Hoy, P.E. April 18th, 2008 Florida License Number 5317

DURATEK logo and text: The Edge in Perimeter Walls. Concrete Pre-cast Buffer Walls. Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8829

PROJECT NO. 07-2055-701 SHEET NO. X1.23 SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION SHOP DRAWING (STA 4005+20.00 - 4010+40.00) SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

N 18' 18" 02" W

PLAN VIEW

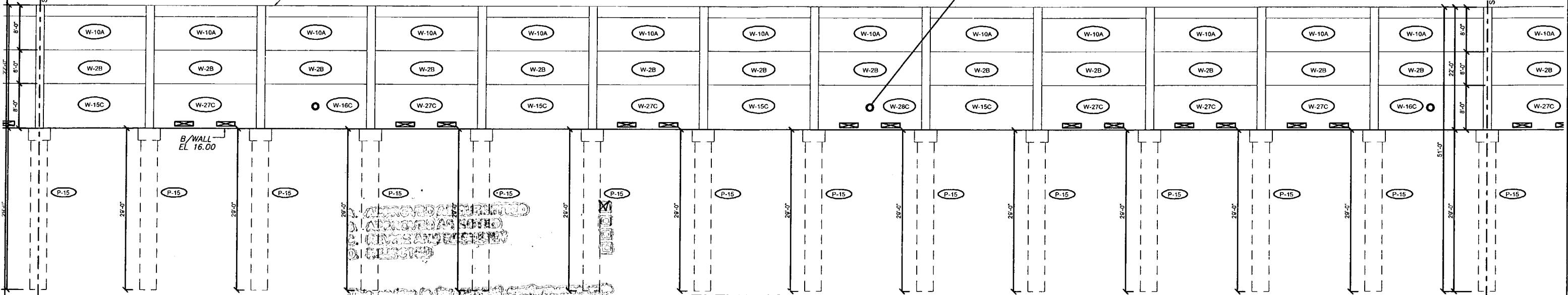
RELEASE FOR CONSTRUCTION

Signature

Date 4/25/08

TOP OF WALL EL. 38.00

FIRE HOSE ACCESS HOLE 100'-0" SPACING



ELEVATION

N 18' 18" 02" W

PLAN VIEW

I-75 DBF ACC/VIPI, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 DEFERRED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCEDURES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
BY: [Signature] DATE: 4/22/08

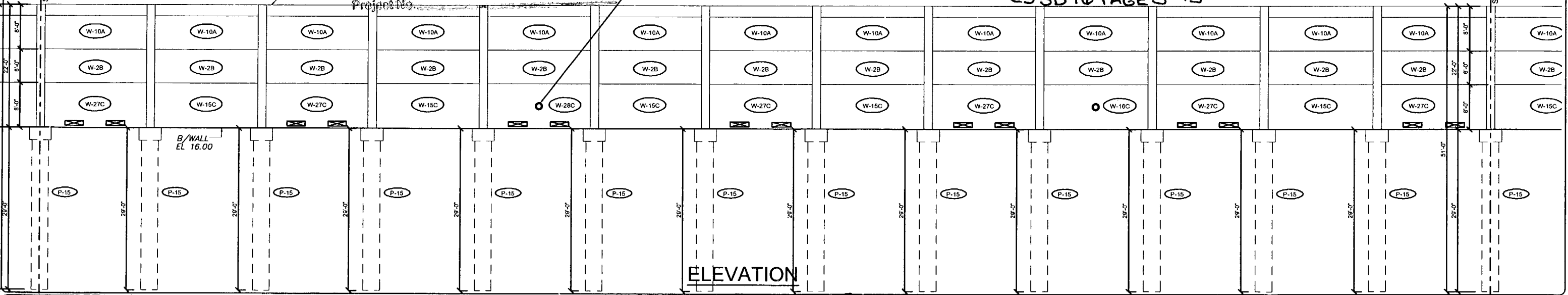
CS-SD 16 PAGE 3-15

BY: [Signature] DATE: 4/23/08

Shop Drawing Reference No. \_\_\_\_\_  
Project No. \_\_\_\_\_

TOP OF WALL EL. 38.00

FIRE HOSE ACCESS HOLE 100'-0" SPACING



ELEVATION

Rev. No.	Date	Description
1	02/18/08	Comments Revise 02/18/08 - Fire Access Hole Locations
2	04/13/08	FOR FINAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HDR ENGINEERING, INC.  
BW-1 THRU BW-4 DATED 06/7 AND 10/07  
GW-1 THRU GW-4 DATED 06/7

Drawn By: J.R.A.  
Date: 01/22/08  
Checked By: J.A.H.  
Date: 01/29/08



April 18th, 2008  
John A. Hoy, P.E.  
Florida License Number 55312



SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION  
SHOP DRAWING (STA 4010+40.00 - 4015+60.00)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO: 07-2055-701  
SHEET NO: X1.24

N 18° 18' 02" W

PLAN VIEW

RELEASE FOR CONSTRUCTION

Signature

4/25/08 Date

TOP OF WALL EL. 38.00

FIRE HOSE ACCESS HOLE 100'-0" SPACING

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISIONS REQUIRED
- D. REJECTED

This drawing is to be used in accordance with design and specifications. Any deviations or modifications not clearly noted by the contractor shall be the responsibility of the contractor. The contractor shall be held responsible for any error or omissions from contract requirements.

ELEVATION

- APPROVED
- AMEND-SEE CHANGES BELOW
- APPROVED AS NOTED
- REJECTED
- RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATORS, PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 4/22/08

CS-SD 16 PAGE 4-15

N 18° 18' 02" W

PLAN VIEW

175° 29' 44"

N 13° 47' 46" W

By: DT Date: 4/23/08  
Shop Drawing Reference No.:

TOP OF WALL EL. 38.00

FIRE HOSE ACCESS HOLE 100'-0" SPACING

ELEVATION

Rev. No.	Date	Description
1	02/18/08	Comments Revised 02/18/08 - Fire Access Hole Locations
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HOR ENGINEERING, INC.  
BW-1 THRU BW-4 DATED 9/97 AND 10/97  
BW-4-1 THRU BW-4-4 DATED 9/97

Drawn By: J.R.A.  
Date: 01/22/08  
Checked By: J.A.H.  
Date: 01/29/08

**Florida Engineering**  
C.A. No. 26300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33578  
Ph: 352 / 688 - 6311 Fax: 352 / 688 - 6411 Web: www.florida-engineering.com

April 18th, 2008  
John A. Hoy, P.E.  
Florida License Number 85312

**DURATEK** PRECAST TECHNOLOGIES  
The Edge in Perimeter Walls  
Concrete Pre-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8020  
Toll Free: 800/764-3641 Ph: 352/706-6944 Fax: 352/706-6933 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION  
SHOP DRAWING (STA 4015+60.00 - 4020+80.00)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
SHEET NO. X1.25

RELEASE FOR CONSTRUCTION

*[Signature]*  
Signature

4/25/08  
Date

N 13° 47' 46" W

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

*[Stamp]*

PLAN VIEW

This revision is for general compliance with design concept only. Any deviation from plan or specification shall be clearly noted by the contractor and not be considered. Revisions that do not contain a complete list of existing conditions or existing conditions to remove the contractor of general responsibility for any error or deviation from contract requirements.

FOR ENGINEERING INC.

*[Signature]* DT Date 4/23/08

Shop Drawing Number: \_\_\_\_\_

Project No.: \_\_\_\_\_

- APPROVED
- APPROVED AS NOTED
- RETURNED FOR CORRECTION
- AMEND-SEE CHANGES BELOW
- REJECTED

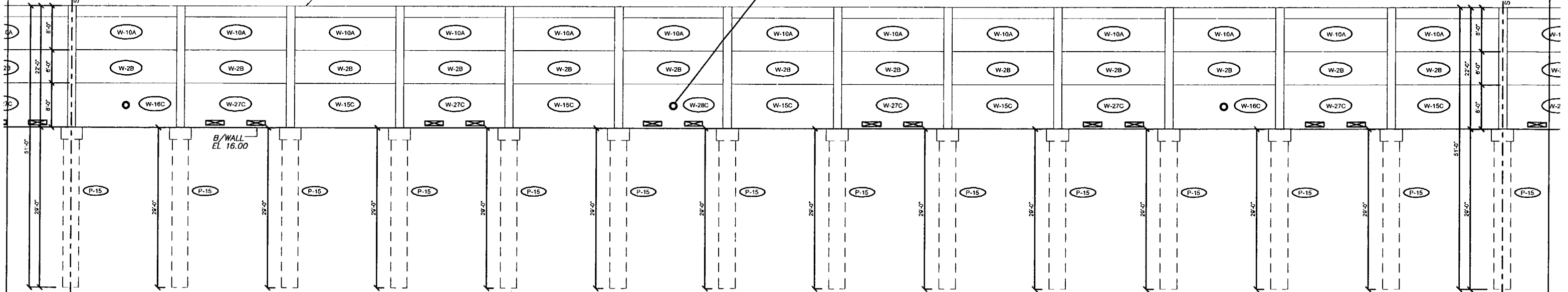
ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: *[Signature]* DATE: 4/22/08

CS-SD 16 PAGE 5-15

TOP OF WALL  
EL. 38.00

FIRE HOSE ACCESS HOLE  
100'-0" SPACING



ELEVATION

Rev. No.	Date	Description
1	02/18/08	Comments Recvd 02/18/08 - Fire Access Hole Locations
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 DW-1 THRU DW-4 DATED 9/07 AND 1/07  
 DW-4-1 THRU DW-4-4 DATED 9/07

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/29/08

**Florida Engineering**  
 CONSULTANTS  
 C.A. No. 26300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33578  
 Ph: 352 / 688 - 6311 Fx: 352 / 688 - 6411 Web: www.florida-engineering.com

April 18th, 2008  
 John A. Hoy, P.E.  
 Florida License Number 95312

**DURATEK**  
 PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2100 American Flyer Way Brooksville, FL 34004-6820  
 Toll Free: 800/754-3541 Ph: 352/798-6844 Fx: 352/798-6933 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION  
 SHOP DRAWING (STA 4020+80.00 - 4023+40.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO:  
07-2055-701  
 SHEET NO:  
X1.26

RELEASE FOR CONSTRUCTION

[Signature] 4/25/08  
Signature Date

I-75 OFF ACC/APL, a joint venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS, SELECTING APPROPRIATE PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

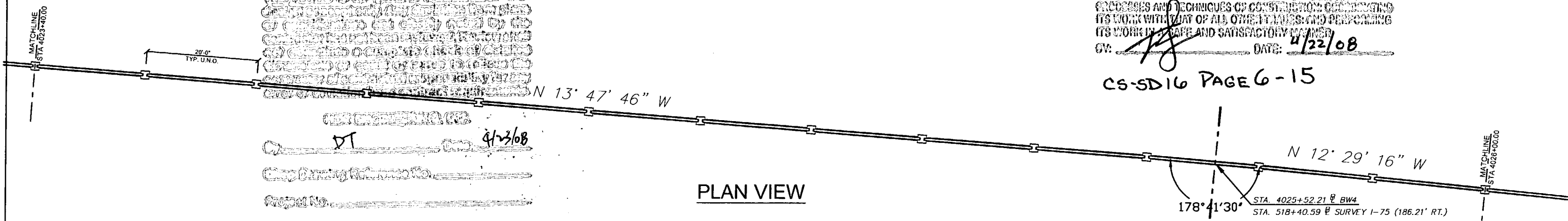
BY: [Signature] DATE: 4/22/08

CS-SD16 PAGE 6-15

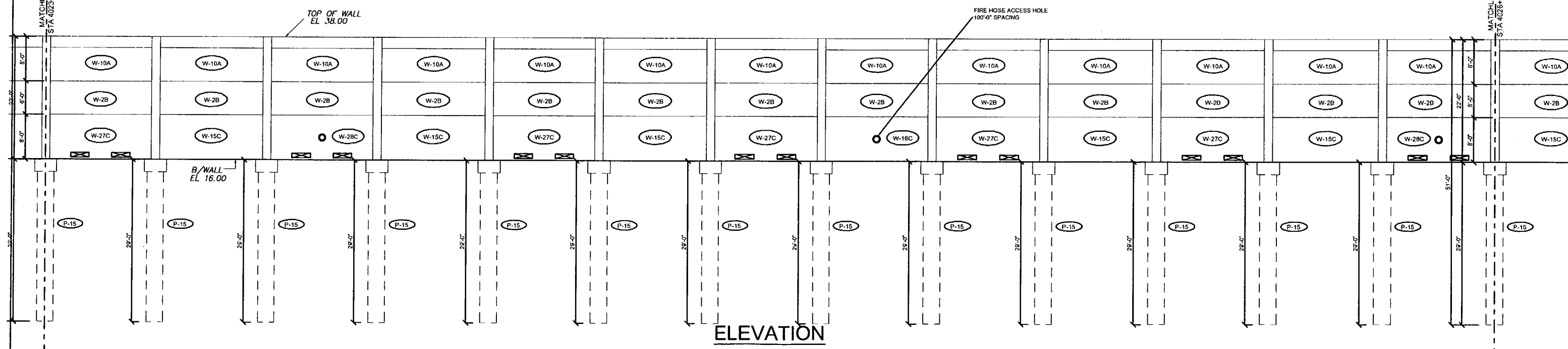
APPROVED AS NOTED  
APPROVED AS NOTED  
APPROVED AS NOTED  
APPROVED AS NOTED

The contractor shall be responsible for...  
...of construction and shall be responsible for...  
...of construction and shall be responsible for...

DT 4/23/08  
Cop Drawing Reference No. \_\_\_\_\_  
Project No. \_\_\_\_\_



PLAN VIEW



ELEVATION

Rev. No.	Date	Description
1	07/18/08	Comments Rev'd 07/18/08 - Fire Access Hole Locations
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HDR ENGINEERING, INC.  
BW-1 THRU BW-6 DATED 01/07 AND 10/07  
BW-41 THRU BW-44 DATED 06/07

Drawn By: J.R.A.  
Date: 01/22/08  
Checked By: J.A.H.  
Date: 01/29/08

**Florida Engineering**  
S O L I D S

C.A. No. 26300 - 12830 Culey St. - Suite 101 - San Antonio, FL 33577  
Ph: 352 / 688 - 6311 Fax: 352 / 688 - 8411 Web: www.floridaengineers.com

John A. Hoy, P.E.  
April 18th, 2008  
Florida License Number 65312

**DURATEK**  
PRECAST TECHNOLOGIES

The Edge in Perimeter Walls  
Concrete Pre cast Buffer Walls

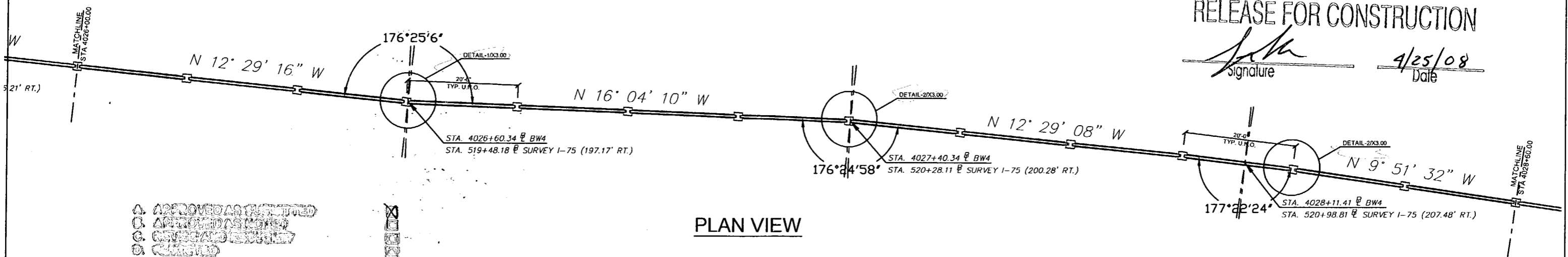
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0829  
Toll Free: 800/754-3541 Ph: 352/700-5944 Fax: 352/700-5933 Website: www.duratek.net

PROJECT NO. 07-2055-701  
SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION  
SHOP DRAWING (STA 4023+40.00 - 4026+00.00)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
SHEET NO. X1.27



RELEASE FOR CONSTRUCTION

*[Signature]*  
Signature  
4/25/08  
Date



PLAN VIEW

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. APPROVED AS NOTED
- D. REJECTED

This drawing is for general information only and does not constitute a contract. It is the responsibility of the contractor to verify all dimensions and quantities shown on this drawing against the contract documents. The contractor shall be responsible for any errors or omissions in this drawing and shall be held liable for any cost of correction or delay caused by any error or omission from contract requirements.

FOR ENGINEERING, INC.

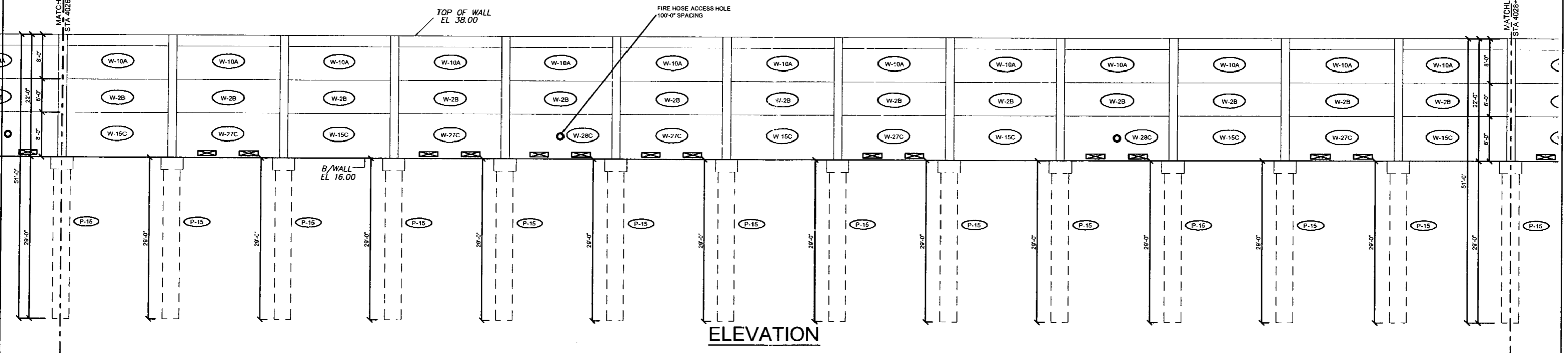
By *[Signature]* Date 4/23/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 4/22/08

CS-SD 16 PAGE 7-15



ELEVATION

Rev. No.	Drawn	Checked	Description
1	02/18/08	02/18/08	Comments Rev'd 02/18/08 - Fire Access Hole Locations
2	04/18/08	04/18/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY FOR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 06/7 AND 10/07  
 BW-4 THRU BW-4 DATED 08/07

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/29/08

**Florida Engineering**  
 1101 S. 11th St.  
 San Antonio, FL 33106  
 Ph: 352 / 688 - 6311 Fax: 352 / 598 - 6411 Web: www.floridaing.com

**John A. Hoy, P.E.**  
 Florida License Number 55112

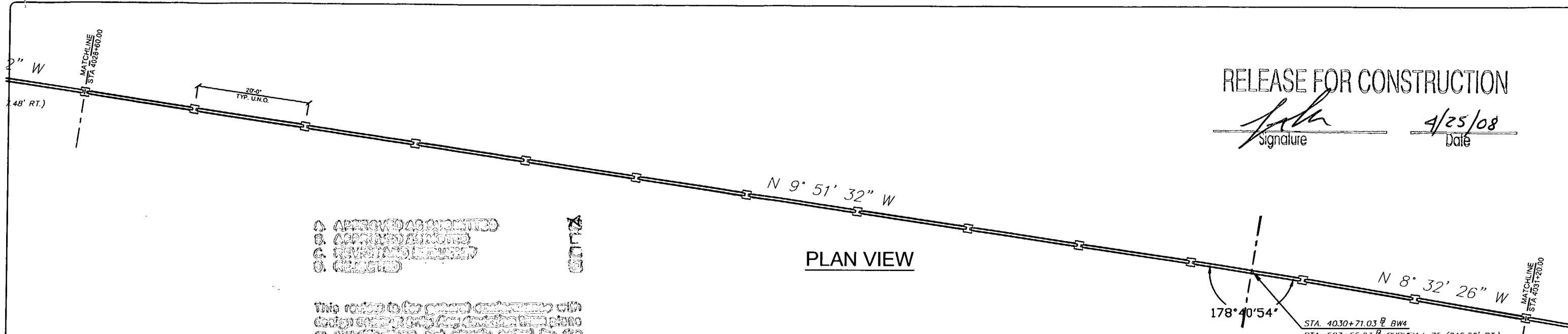
**DURATEK**  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
 Toll Free: 800/754-3641 Ph: 352/706-5944 Fax: 352/706-5633 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION  
 SHOP DRAWING (STA 4026+00.00 - 4028+60.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.28

RELEASE FOR CONSTRUCTION

*[Signature]*  
Signature

4/25/08  
Date



PLAN VIEW

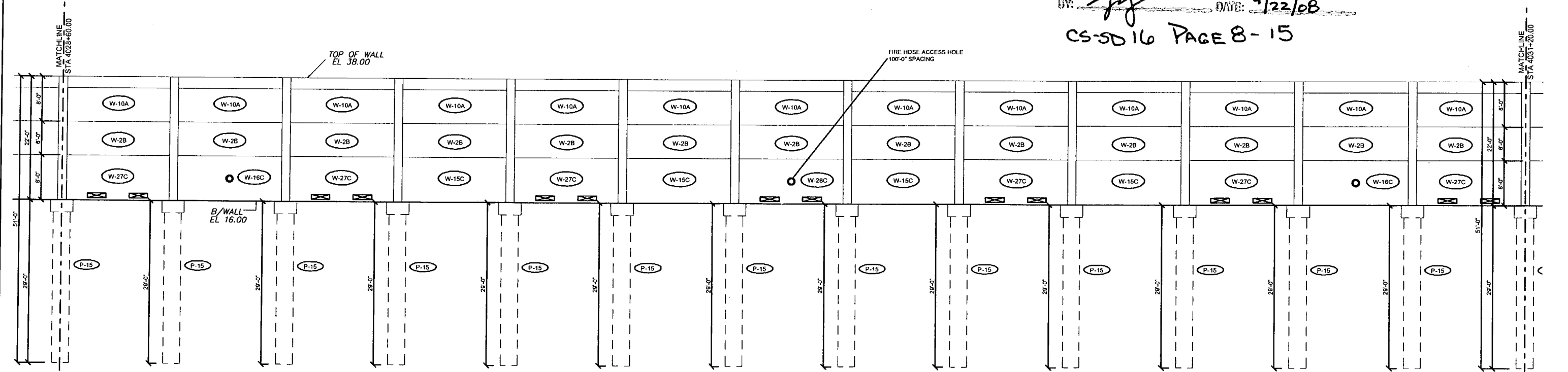
- A. APPROVED AS QUOTED
- B. APPROVED AS NOTED
- C. REVISIONS REQUIRED
- D. REJECTED

This review is for general compliance with design criteria only. Any deviations from plans or specifications not clearly noted by the contractor shall not constitute a waiver of the contractor's responsibility for any error or deviation from contract requirements.

BY: *[Signature]* 4/23/08  
Shop Drawing Reference No. \_\_\_\_\_  
Project No. \_\_\_\_\_

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED     AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED     REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 4/22/08

CS-SD 16 PAGE 8-15



ELEVATION

Rev. No.	Date	Description
1	02/18/08	Comments Rec'd 02/18/08 - Fire Access Hole Locations
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-4 DATED 06/07 AND 10/07  
 BW-1 THRU BW-4 DATED 06/07

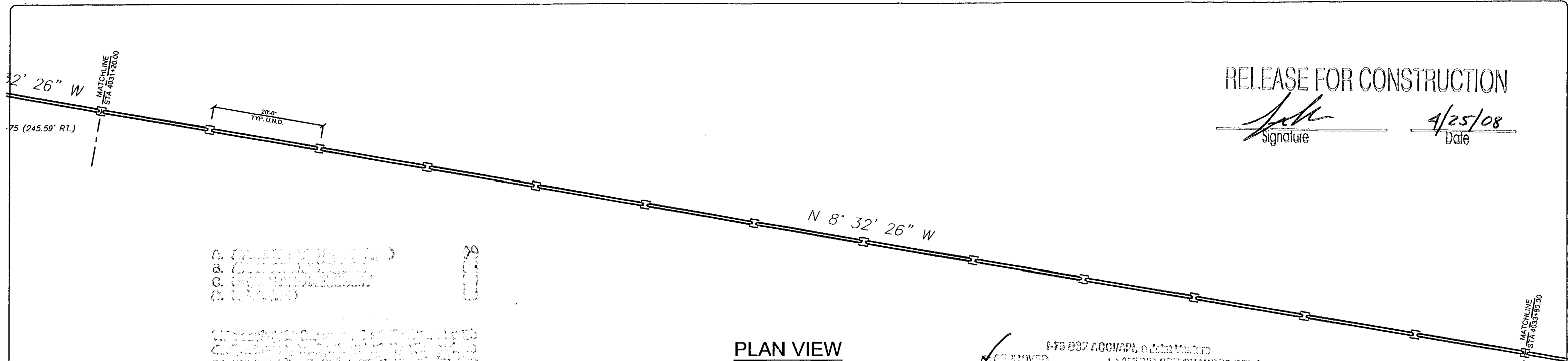
Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/29/08

**DRAGON Engineering**  
 10101  
 C.A. No. 28330 - 12830 Curlew St. - Suite 101 - San Antonio, FL 33507  
 Ph: 352 / 688 - 6311 Fax: 352 / 588 - 6411 Web: www.floridaengineer.com

April 18, 2008  
 John A. Hoy, P.E.  
 Florida License Number: 65312

**DURATEK** The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-4820  
 Toll Free: 800/764-3041 Ph: 352/798-5944 Fax: 352/798-6633 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION  
 SHOP DRAWING (STA. 4028+60.00 - 4031+20.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.29



RELEASE FOR CONSTRUCTION

*J.A.H.*  
Signature

4/25/08  
Date

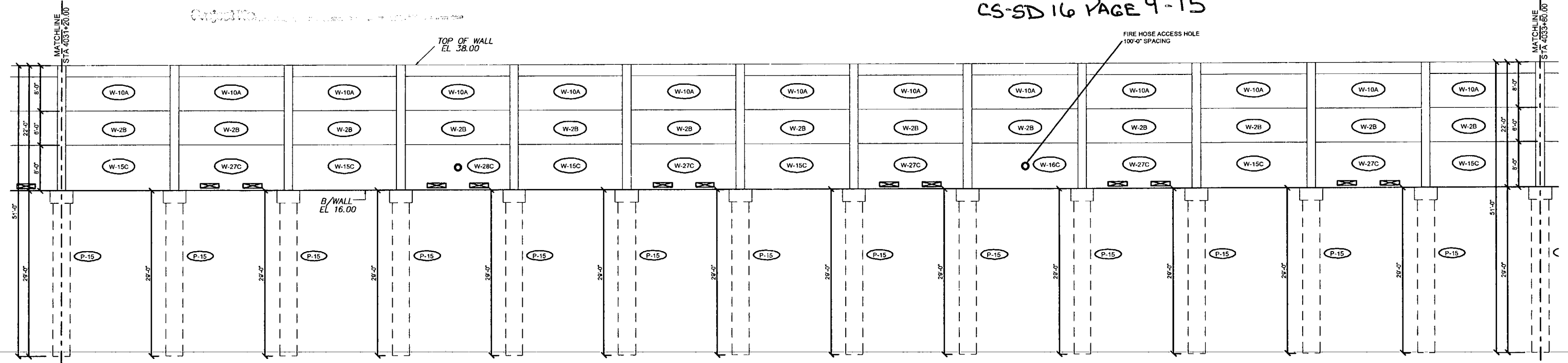
- a. [Faint text]
- b. [Faint text]
- c. [Faint text]
- d. [Faint text]

[Faint descriptive text]

PLAN VIEW

I-75 037 ACC/AP1, 0 0313 0000  
 APPROVED  
 APPROVED AS NOTED  
 APPROVED FOR CORRECTION  
 AMEND-033 CHANGES BELOW  
 REJECTED  
 APPROVED FOR GENERAL COMPLIANCE WITH THE  
 GOVERNMENT DOCUMENTS ONLY. THE SUBMITTER SHALL  
 BE RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL  
 DIMENSIONS AND DIMENSIONS. THE SUBMITTER SHALL  
 BE RESPONSIBLE FOR REMOVAL OF CONCRETE FROM CONSTRUCTION  
 OF THIS WALL. THE SUBMITTER SHALL BE RESPONSIBLE FOR  
 REMOVAL OF ALL CONCRETE FROM CONSTRUCTION  
 OF THIS WALL AND CONSTRUCTION OF THIS WALL.  
 4/22/08

CS-SD 16 PAGE 9-15



ELEVATION

Rev. No.	Date	Description
1	02/15/08	Commons Report 04/15/08 - Fire Access Hole Locations
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 06/7 AND 10/07  
 BW-4 THRU BW-4 DATED 06/7

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/20/08

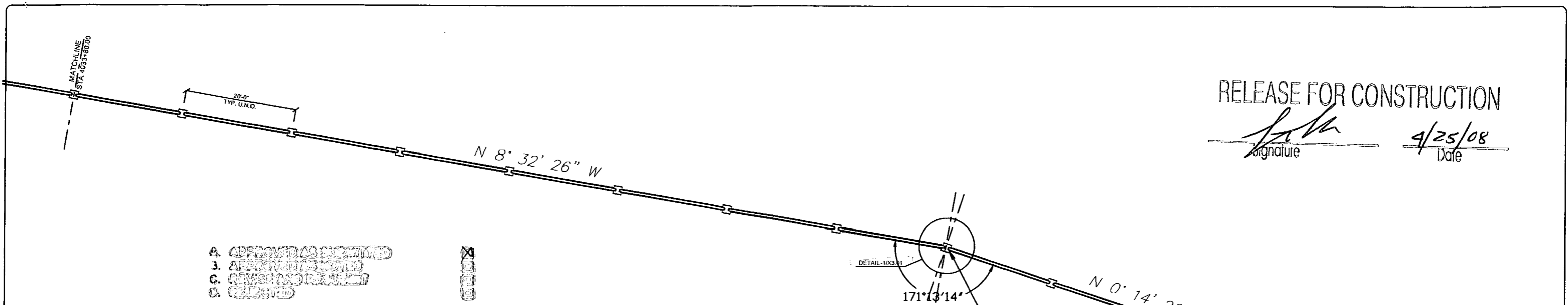
**Florida Engineering Solutions**  
 C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, FL 33578  
 Ph: 352/588-5311 Fax: 352/588-5411 Web: www.florida-engineering.com

John A. Hoy, P.E.  
 Florida License Number 65312

**DURATEK**  
 PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34004-0829  
 Toll Free: 800/754-3441 Ph: 352/798-6944 Fax: 352/798-5933 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION  
 SHOP DRAWING (STA 4031+20.00 - 4033+80.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO  
 SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2025-701  
 SHEET NO. X1.30

RELEASE FOR CONSTRUCTION  
*[Signature]*  
 Date 4/25/08



PLAN VIEW

- A. APPROVED AS SUBMITTED
- 3. APPROVED AS NOTED
- C. REVISED AND RE-SUBMITTED
- D. REJECTED

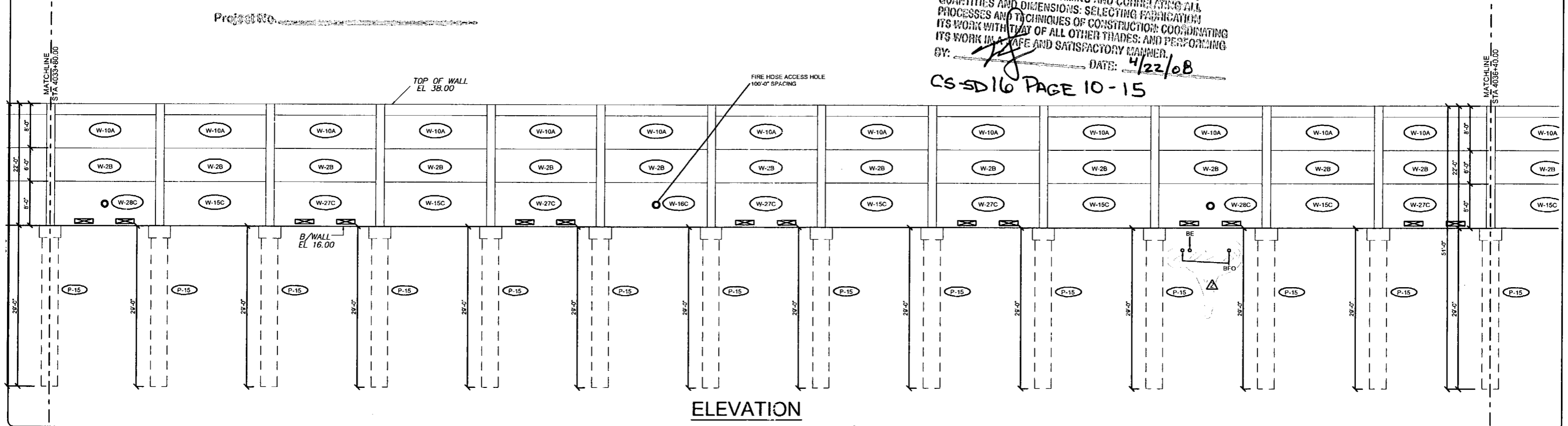
The contractor shall be responsible for the accuracy of all data furnished to him by the client. The contractor shall be responsible for the accuracy of all data furnished to him by the client. The contractor shall be responsible for the accuracy of all data furnished to him by the client.

HOR ENGINEERING, INC.

By: *[Signature]* Date: 4/23/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

I-75 DBF ACC/APL. A Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS. SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION. COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES. AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 4/22/08

CS-SD16 PAGE 10-15



ELEVATION

Rev. No.	Date	Description
1	02/18/08	Comments Received 02/18/08 - Fire Access Hole Locations
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HOR ENGINEERING, INC.  
 BW-1 THRU BW-4 DATED 06/7 AND 10/07  
 BW-1 THRU BW-4 DATED 06/7

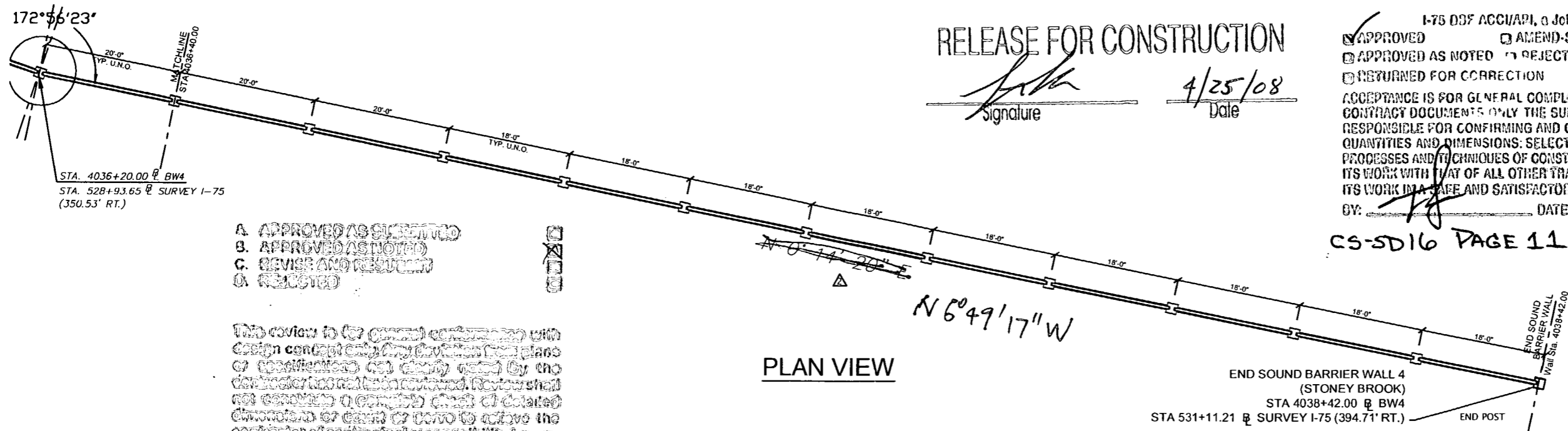
Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/28/08

**Florida Engineering**  
 P.L.L.C.  
 C.A. No. 28300 - 12630 Curley St., Suite 101 - San Antonio, FL 32096  
 Ph: 352 / 668 - 6311 Fax: 352 / 598 - 5411 Web: www.florida-engineering.com

April 18th, 2008  
 John A. Hoy, P.E.  
 Florida License Number 55312

**DURATEK**  
 PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-9829  
 Toll Free: 800/754-3841 Ph: 352/798-5944 Fax: 352/798-5933 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONEY BROOK) PLAN AND ELEVATION  
 SHOP DRAWING (STA. 4033+80.00 - 4036+40.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.31



RELEASE FOR CONSTRUCTION

*[Signature]*  
Signature  
4/25/08  
Date

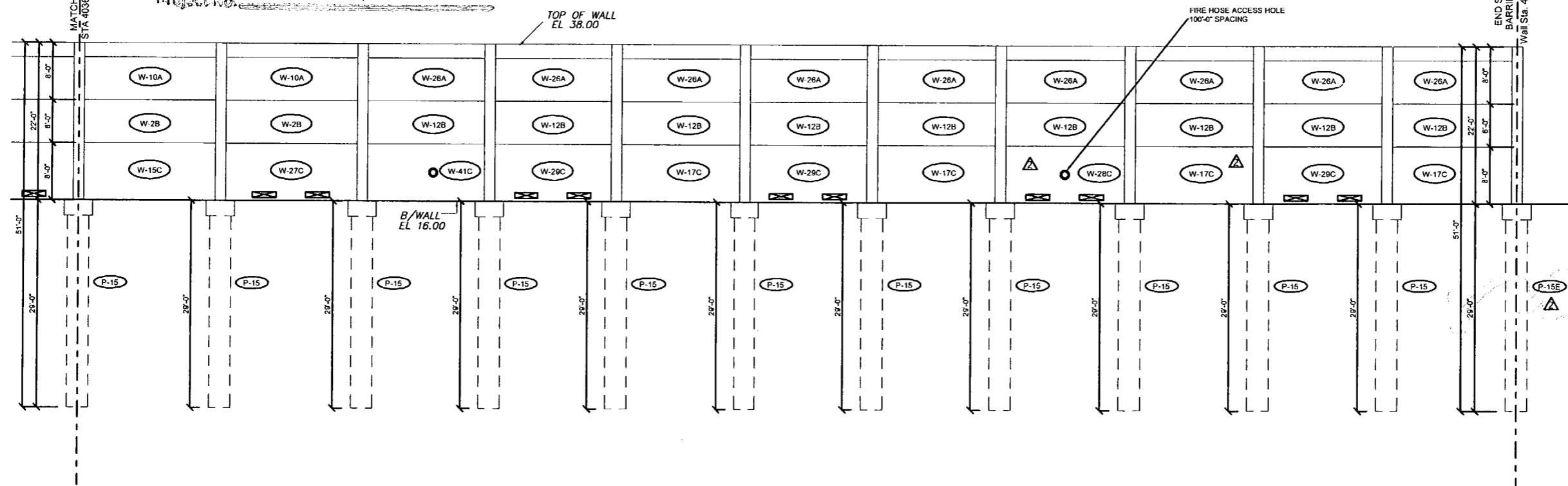
I-75 DDF ACCUAPI, a Joint Venture  
 APPROVED  
 AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  
 REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS. SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION. COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 4/22/08  
 CS-SD16 PAGE 11-15

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformity with design concept only. Any deviations from plans or specifications are clearly noted by the design engineer. The design engineer shall not constitute a certified check of detailed dimensions or detail or permit to waive the contractor of careful construction for any cause or deviation from contract requirements.

FOR ENGINEERING, INC.  
 BY: *[Signature]* Date: 4/23/08

Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_



ELEVATION

Rev. No.	Date	Description
1	02/18/08	Comments Rev'd 02/18/08 - Fire Access Hole Locations
2	02/18/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-4 DATED 06/07 AND 10/07  
 BW-1 THRU BW-4 DATED 06/07

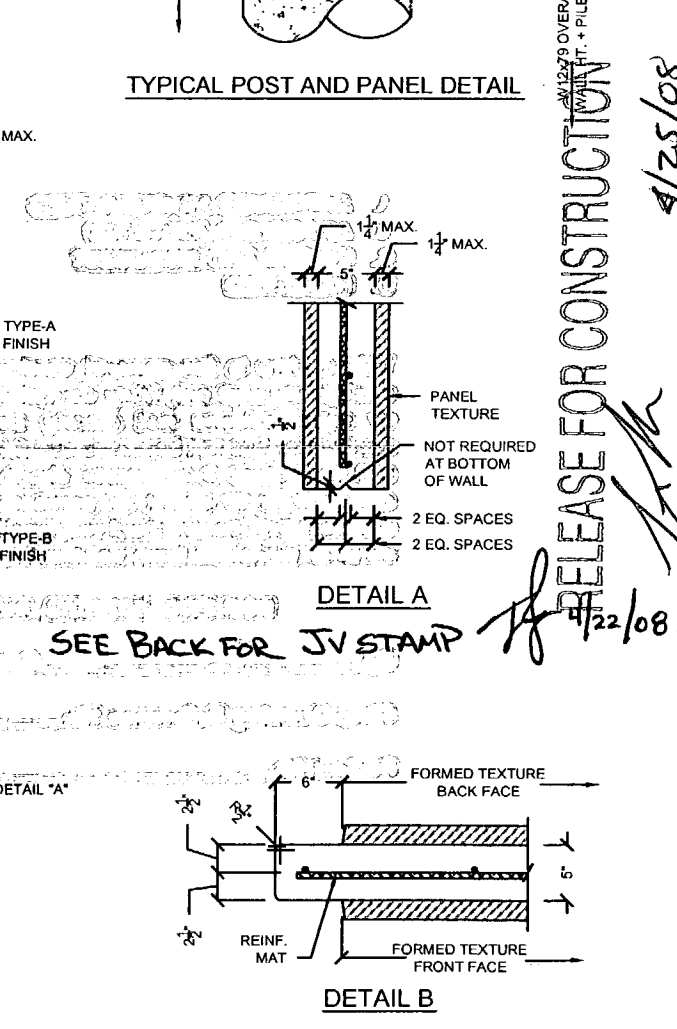
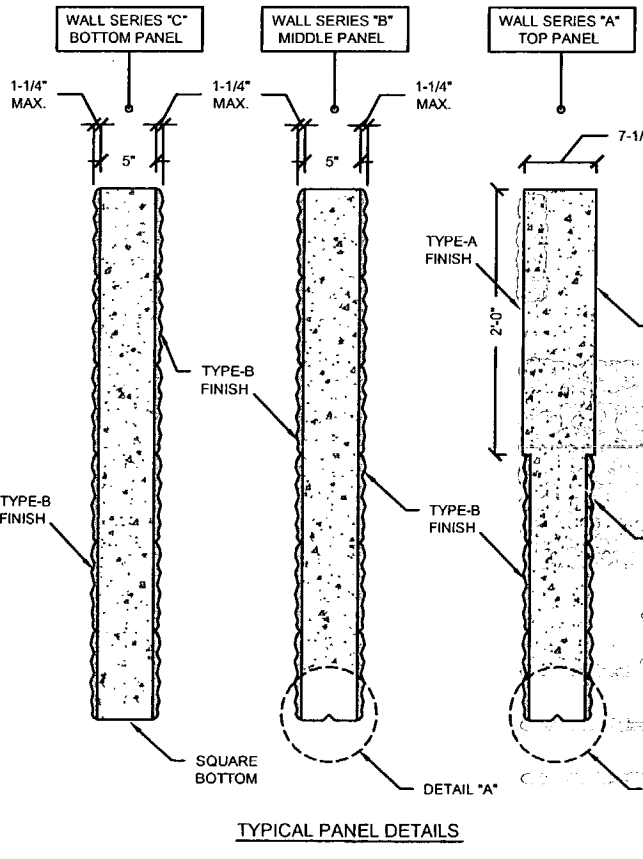
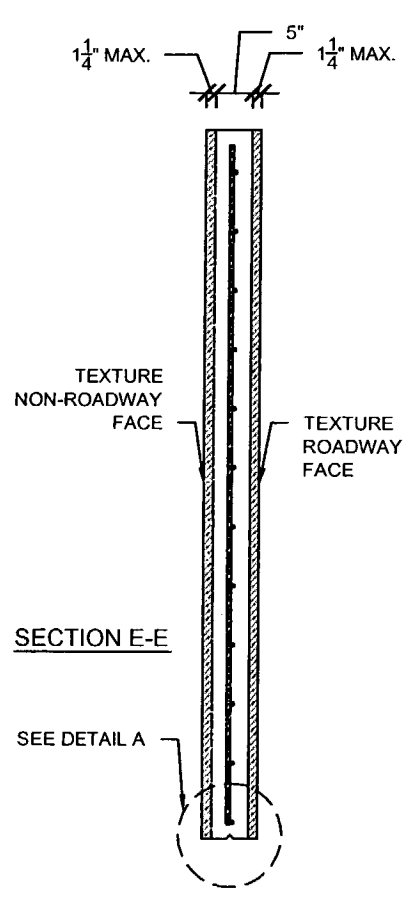
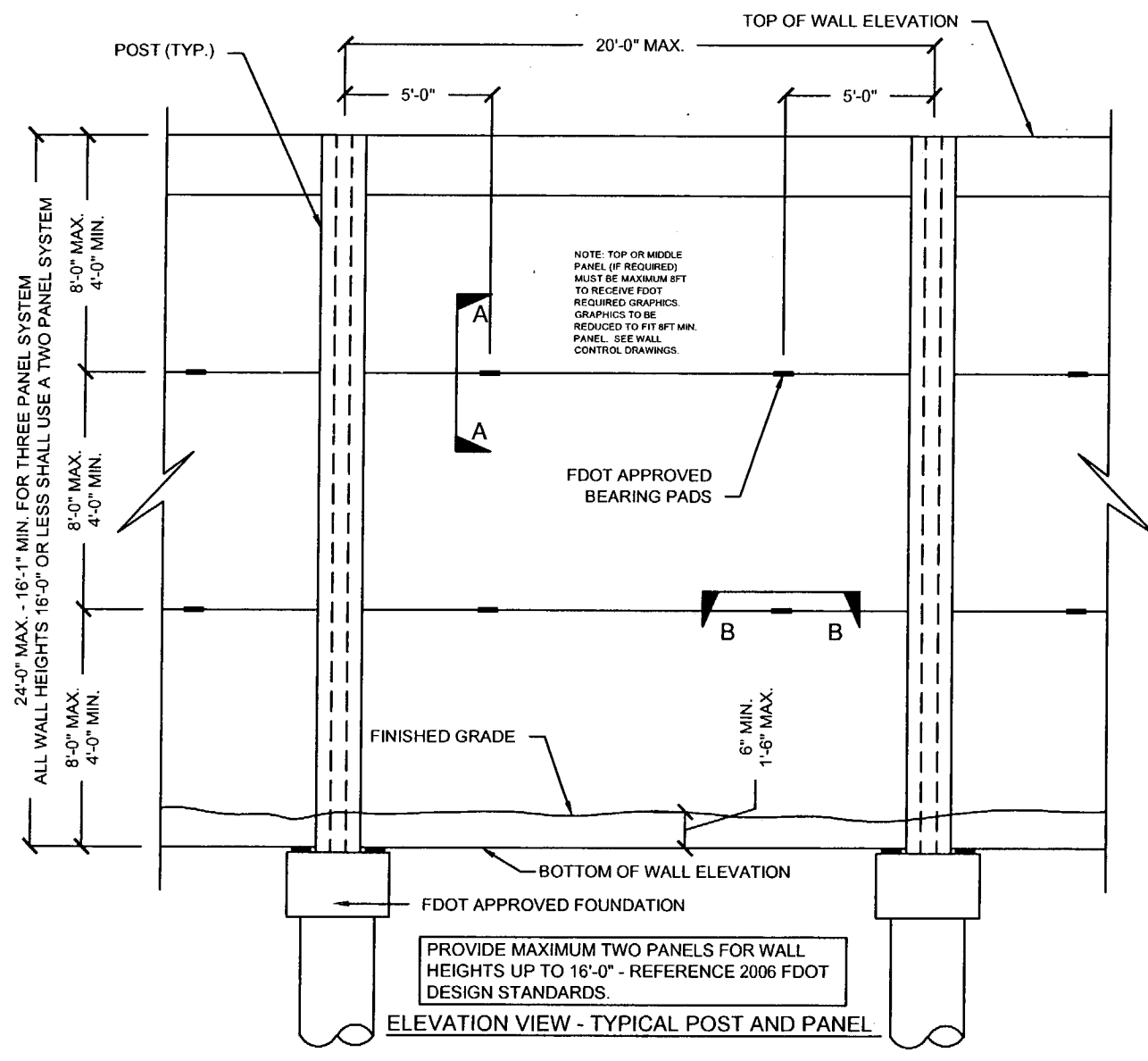
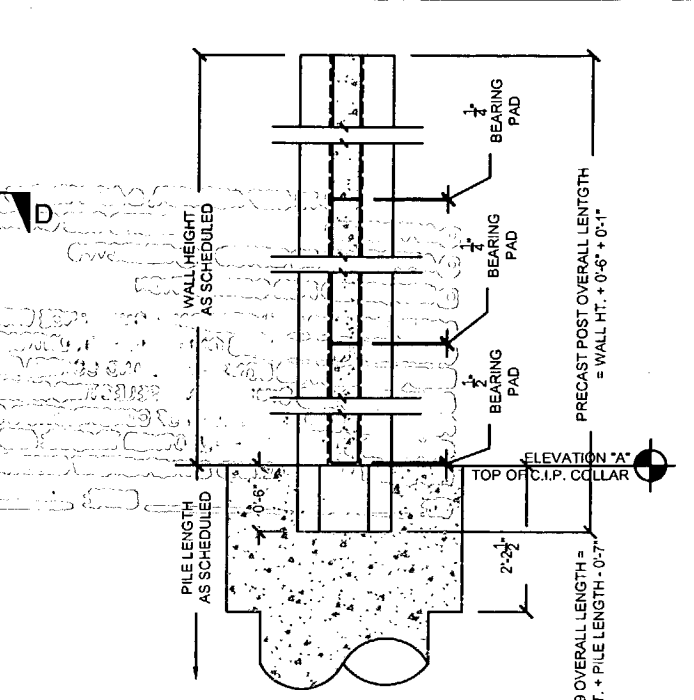
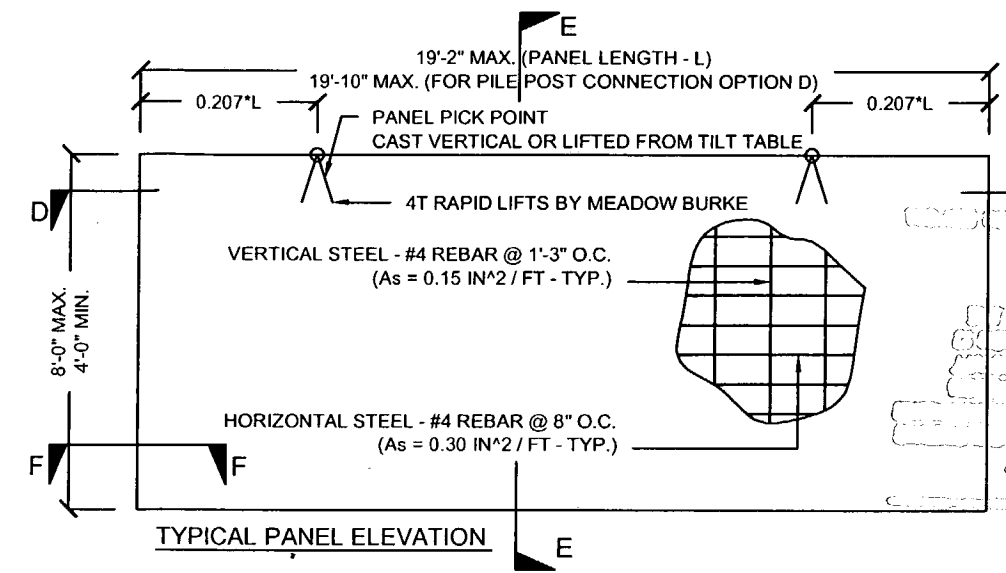
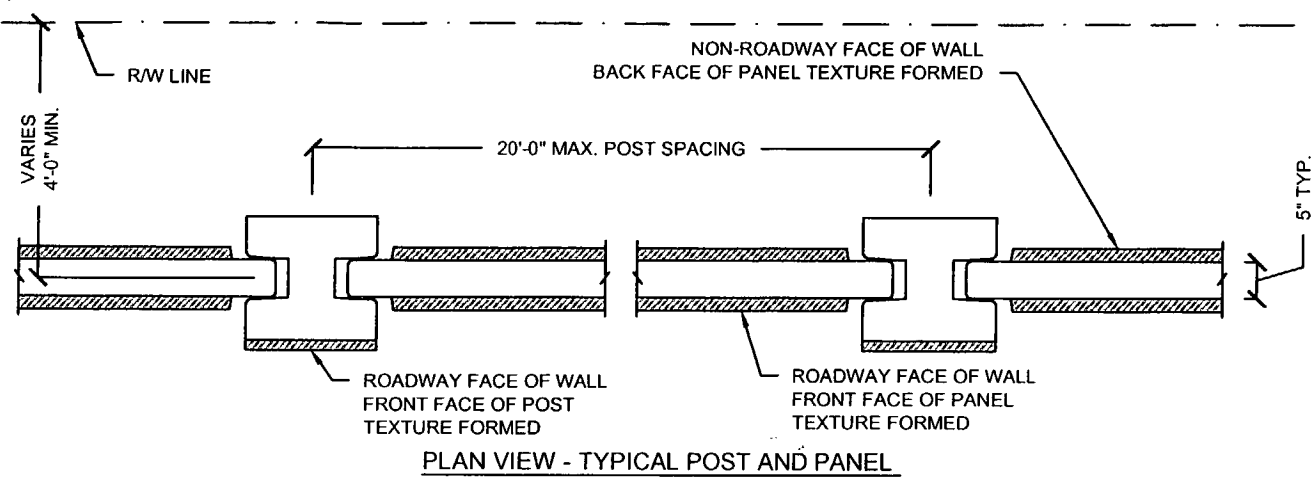
Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/29/08

**Florida Engineering**  
 3011  
 C.A. No. 28300 - 12630 Cathy St. - Suite 101 - San Antonio, FL 33893  
 Ph: 352/588-5311 Fax: 352/588-5411 Web: www.floridaing.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0820  
 Toll Free: 800/764-3641 Ph: 352/795-5944 Fax: 352/795-5933 Website: www.duratek.net

SOUND BARRIER WALL 4 (STONE BROOK) PLAN AND ELEVATION  
 SHOP DRAWING (STA 4036+40.00 - 4038+42.00) END OF WALL  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO.  
07-2055-701  
 SHEET NO.  
X1.32



<b>GENERAL NOTES</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5200 <b>TEXTURE OPTIONS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5201	<b>SPECIAL PANELS AND POSTS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203	<b>GRAPHICS AND TEXTURE DETAILS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 WITH THE FOLLOWING EXCEPTIONS: 1) MAX PANEL HEIGHT = 8FT, 2) MAX. 1-1/4" FORMED TEXTURE FINISH ON NON-ROADWAY FACE OF WALL.	<b>FIRE HOSE ACCESS HOLE &amp; DRAINAGE DETAILS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5204	<b>PILE / POST CONNECTION OPTIONS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5205 OPTIONS - C	<b>FOUNDATION DEPTH AND REINFORCING</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5206 AND THESE DRAWINGS	<b>TYPICAL PANELS AND POSTS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 SECTION F-F
--	--	--	--	--	---	--

Rev. No.	Date	Description
1	01/10/08	GENERAL REVISION
2	02/18/08	COMMENTS RECEIVED 02/18/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC. BW-1 THRU BW-6 DATED 06/07 AND 10/07 BW-1-1 THRU BW-14 DATED 10/07

Drawn By: R.M.  
Date: 12/21/07  
Checked By: J.A.H.  
Date: 01/18/08

Florida Engineering Solutions  
C.A. No. 28300 - 12830 Curley St. - Suite 101 - San Antonio, TX 78207  
Ph: 352 / 688 - 5311 Fax: 352 / 688 - 5411 Web: www.floridaing.com

**DURATEK**  
PRECAST TECHNOLOGIES  
The Edge in Perimeter Walls  
Concrete Precast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0520  
Toll Free: 800/754-3041 Ph: 352/708-5944 Fax: 352/708-5933 Website: www.duratek.com

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
PROJECT NO. 07-2055-701  
SHEET NO. X2.1

RELEASE FOR CONSTRUCTION  
 4/25/08  
 Signature: [Signature]  
 Date: 4/22/08

APPROVED  
 APPROVED AS NOTED  
 REJECTED  
 RETURNED FOR CORRECTION

I HEREBY CERTIFY GENERAL COMPLIANCE WITH THE  
 CODES AND ORDINANCES ONLY THE SUBCONTRACTORS  
 RESPONSIBILITY FOR CONFORMING AND CORRECTING ALL  
 DEFICIENCIES AND DEFLECTIONS SELECTIVE CONSTRUCTION  
 METHODS AND TECHNIQUES OF CONSTRUCTION OR OTHERWISE  
 SPECIFIED THAT OF ALL OTHER TRADES AND PROFESSIONS  
 TO BE IN SAFE AND SATISFACTORY MANNER.

CA: [Signature] DATE: 4/22/08

CS5D 16 PAGE 12-15

- A. APPROVED AS NOTED
- B. APPROVED
- C. REJECTED
- D. RETURNED FOR CORRECTION

This contract is a general agreement with  
 the contractor to provide construction work  
 and materials in accordance with the  
 contract documents and to be held by the  
 contractor in accordance with the contract  
 documents. The contractor shall be held  
 responsible for any and all workmanship  
 and materials used in the construction  
 of the project.

CONTRACTOR'S NAME: \_\_\_\_\_  
 DATE: 4/23/08  
 PROJECT NAME: \_\_\_\_\_  
 PROJECT ADDRESS: \_\_\_\_\_

I-75 DBF ACCI/API, a Joint Venture

- APPROVED
- APPROVED AS NOTED
- RETURNED FOR CORRECTION
- AMEND-SEE CHANGES BELOW
- REJECTED

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 4/22/08

CS-SD 16 PAGE 12-15

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By [Signature] Date 4/23/08

Shop Drawing Reference No. \_\_\_\_\_

Project No. \_\_\_\_\_

*[Faint, illegible text, likely bleed-through from the reverse side of the page]*



DURATEK PRECAST WALL PANEL SCHEDULE - SOUND BARRIER WALL (STONEY BROOK)

Duratek Mk No.	Panel Length (ft-in)		Panel Height (ft-in)		Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number												Total Panel Quantity	Total Panel Square Footage	Remarks
								X1.22	X1.23	X1.24	X1.25	X1.26	X1.27	X1.28	X1.29	X1.30	X1.31	X1.32				
W-2B	19	2	6	0	5	Type-B	Type-B	26	26	26	26	13	13	13	13	13	13	2	184	21160.0		
W-10A	19	2	8	0	5	Type-B	Type-B	26	26	26	26	13	13	13	13	13	13	2	184	28213.3	2ft Type-A Finsh at Top	
W-12B	17	2	6	0	5	Type-B	Type-B											9	9	927.0		
W-15C	19	2	8	0	5	Type-B	Type-B	10	11	9	11	5	5	6	4	6	5	1	73	11193.3		
W-16C	19	2	8	0	5	Type-B	Type-B	3	2	3	2	2	1		2	1	1		17	2606.7	Fire Hose Access Hole	
W-17C	17	2	8	0	5	Type-B	Type-B											4	4	549.3		
W-26A	17	2	8	0	5	Type-B	Type-B											9	9	1236.0	2ft Type-A Finsh at Top	
W-27C	19	2	8	0	5	Type-B	Type-B	11	10	12	10	5	5	5	6	5	5	1	75	11500.0	Drainage Holes	
W-28C	19	2	8	0	5	Type-B	Type-B	2	3	2	3	1	2	2	1	1	2	1	20	3066.7	Fire Hose /Drainage Holes	
W-29C	17	2	8	0	5	Type-B	Type-B											3	3	412.0	Drainage Holes	
W-41C	17	2	8	0	5	Type-B	Type-B											1	1	137.3	Fire Hose Access Hole	
																		<b>579</b>	<b>81002</b>			

RELEASE FOR CONSTRUCTION

*[Signature]*  
Signature

4/25/08  
Date

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISIT AND REEVALUATE
- D. REJECTED

2

2

This review is for general compliance with design concept and does not constitute a plan or specification for construction. The contractor is responsible for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating its work with that of all other trades, and performing its work in a safe and satisfactory manner.

WES ENGINEERING, INC.  
By *[Signature]* 4/23/08  
Shop Drawing Reference No. \_\_\_\_\_  
Project No. \_\_\_\_\_

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 4/22/08

CS-SD16 PAGE 13-15

DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (STONEY BROOK)

Duratek Mk No.	Scheduled Pile Length (ft-in)		Scheduled Wall Height (ft-in)		Precast Post Length (ft-in)		W12x79 Overall Length (ft-in)		Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number												Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)	Remarks		
							X1.22	X1.23			X1.24	X1.25	X1.26	X1.27	X1.28	X1.29	X1.30	X1.31	X1.32										
P-15	29	0	22	0	22	7	50	5	Type-A	Type-A	25	26	26	26	13	13	13	13	13	13	13	13	11	192	4336.0	9680.0	7647.2		
P-15E	29	0	22	0	22	7	50	5	Type-A	Type-A	1													1	2	45.2	100.8	79.7	
																		<b>194</b>	<b>45.2</b>	<b>100.8</b>	<b>79.7</b>								

2

Rev. No.	Date	Description
02/18/08		Comments Rec'd 02/18/08 - Fire Access Hole Locations
04/15/08		GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS:  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-8 DATED 8/07 AND 10/07  
 BW-4 THRU BW-44 DATED 9/07

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/29/08

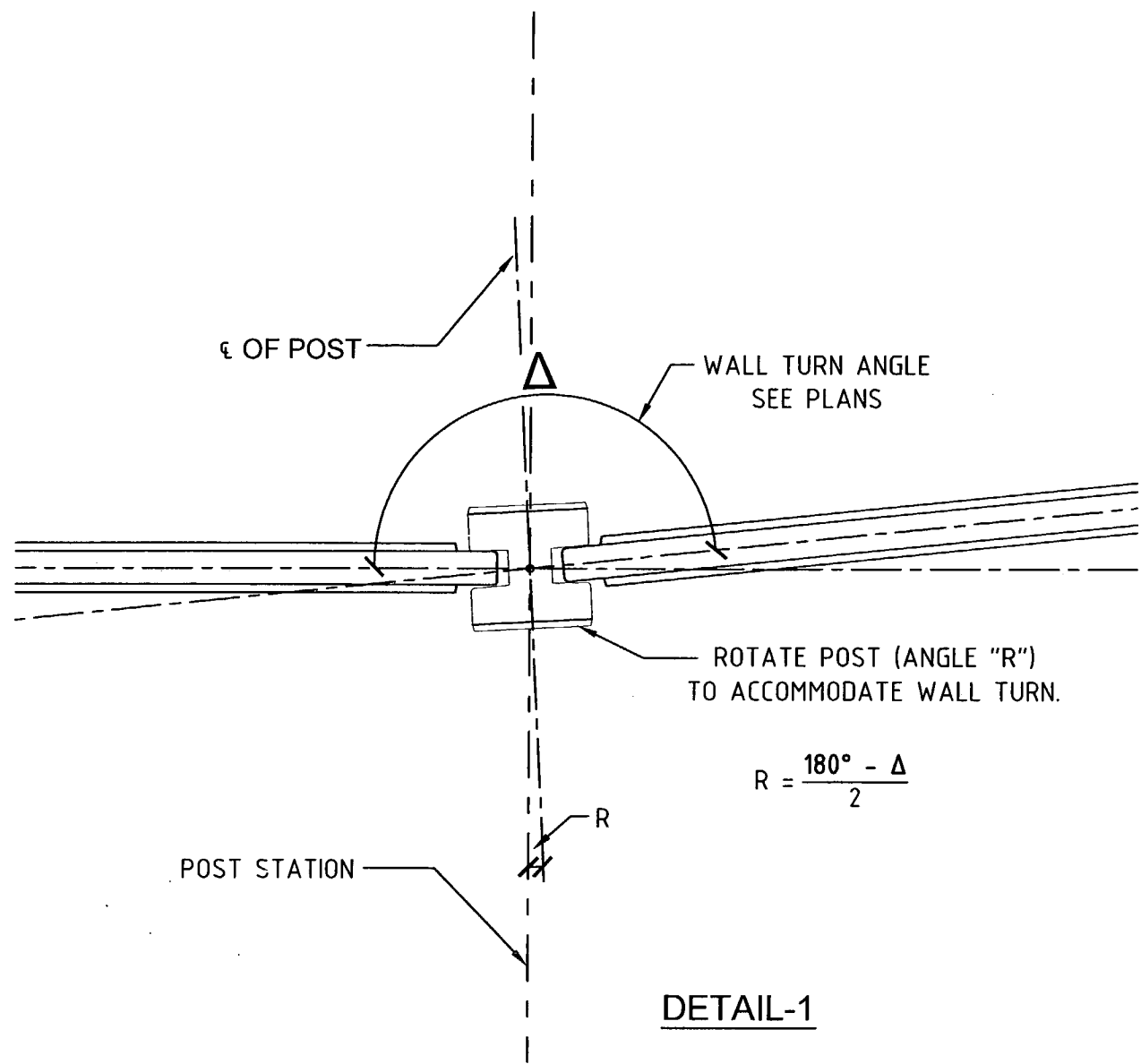
**Florida Engineering**  
 S O L U T I O N S  
 C.A. No. 26300 - 12630 Curley St. - Suite 101 - San Antonio, TX 78228  
 Ph: 352 / 688 - 5311 Fx: 352 / 588 - 6411 Web: www.floridaing.com

Apr 8 10th 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

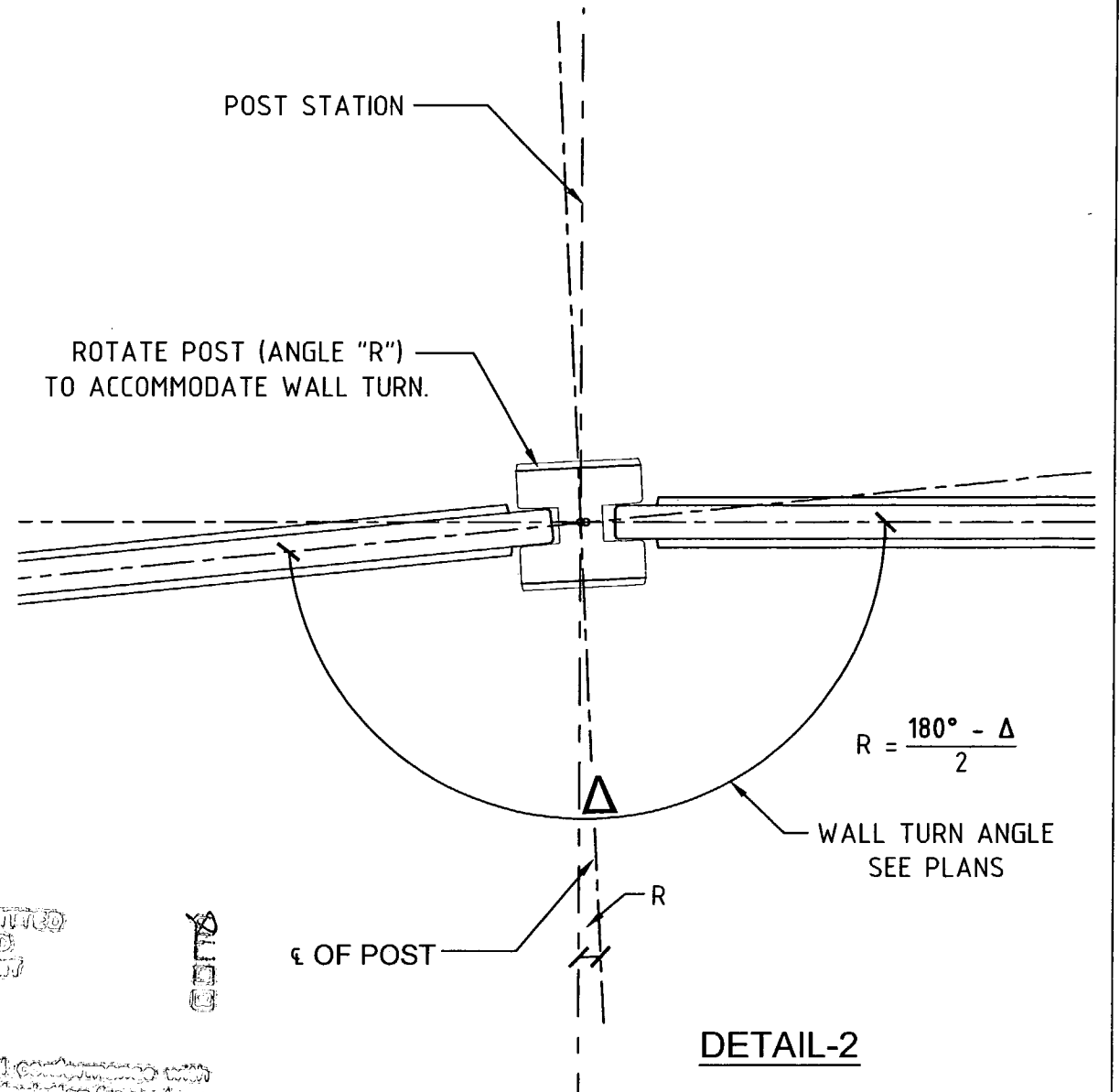
**DURATEK** PRECAST TECHNOLOGIES  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8529  
 Toll Free: 800/754-3641 Ph: 352/706-5644 Fx: 352/706-5933 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X2.5



DETAIL-1



DETAIL-2

- A. APPROVED AS SHOWN
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

SIGNED

This review is for general compliance with contract documents only. It does not constitute a warranty or representation of any kind by the contractor. The contractor is responsible for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating its work with that of all other trades, and performing its work in a safe and satisfactory manner.

RELEASE FOR CONSTRUCTION  
*[Signature]*  
 Signature  
 4/25/08  
 Date

FOR ENGINEERING USE  
 By: DT Date: 4/23/08  
 Shop Drawing Returned to: \_\_\_\_\_  
 Project No.: \_\_\_\_\_

I-75 DBF ACCU/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 4/23/08

CS-SD16 PAGE 14-15

Rev. No.	Date	Description
1	01/18/08	GENERAL REVISION
2	02/19/08	COMMENTS RECEIVED 02/18/08 - FIRE HOSE LOCATIONS
3	04/15/08	GENERAL REVISION

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY IOR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 8/07 AND 10/07  
 BW-11 THRU BW-14 DATED 10/07

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/18/08

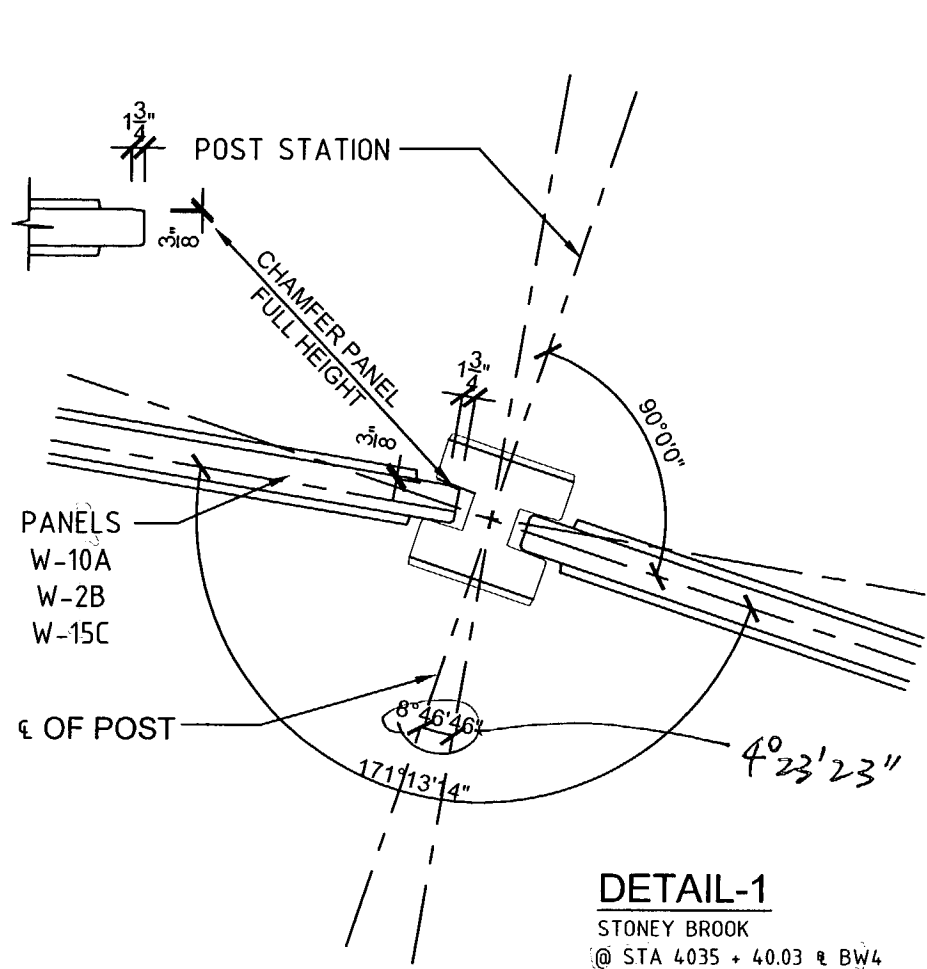
**Florida Engineering Solutions**  
 C.A. No. 28300 - 12830 Carley St. - Suite 101 - San Antonio, FL 33574  
 Ph: 552 / 658 - 6311 Fax: 352 / 658 - 5411 Web: www.florida-engineering.com

April 18, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

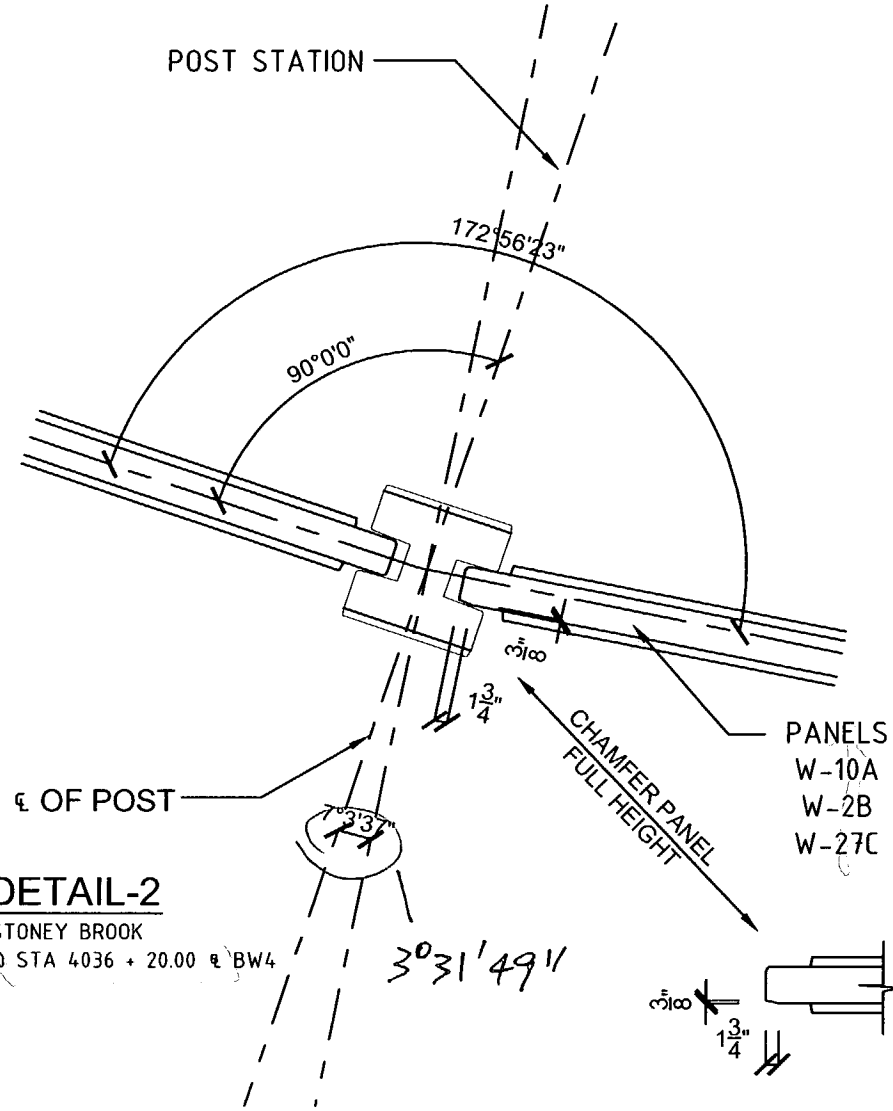
**DURATEK** PRECAST TECHNOLOGIES  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6829  
 Toll Free: 800/764-3641 Ph: 352/780-5944 Fax: 352/780-5933 Website: www.duratek.net

SOUND BARRIER WALL  
 TYPICAL WALL TURN DETAILS  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X3.00



**DETAIL-1**  
 STONEY BROOK  
 @ STA 4035 + 40.03 @ BW4



**DETAIL-2**  
 STONEY BROOK  
 @ STA 4036 + 20.00 @ BW4

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general compliance with design criteria only. Any deviation from plans or specifications not clearly noted by the contractor shall remain the responsibility of the contractor. The contractor shall be responsible for any error or deviation from contract requirements.

BY: DT Date: 4/23/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

RELEASE FOR CONSTRUCTION  
 Signature: [Signature] Date: 4/25/08

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 4/22/08

CS-SD16 PAGE 15-15

Rev. No.	Date	Description
1	02/18/08	Comments Received 02/18/08 - Fire Access Hole Locations
2	04/15/08	GENERAL REVISIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY: HDR ENGINEERING, INC.  
 DW-1 THRU DW-6 DATED 06/1 AND 1907  
 BW-1 THRU BW-4 DATED 0/07

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/20/08

**Florida Engineering Solutions**  
 C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33576  
 Ph: 352/588-6311 Fax: 352/588-6411 Web: www.florida-engineering.com

April 18th, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**DURATEK** PRECAST TECHNOLOGIES  
 The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8829  
 Toll Free: 800/764-3841 Ph: 352/795-5944 Fax: 352/795-5933 Website: www.duratek.net

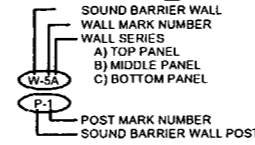
SOUND BARRIER WALL 4 (STONEY BROOK) SHOP DRAWING  
 WALL TURN DETAILS  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X3.01

N 14' 13' 19" W

PLAN VIEW

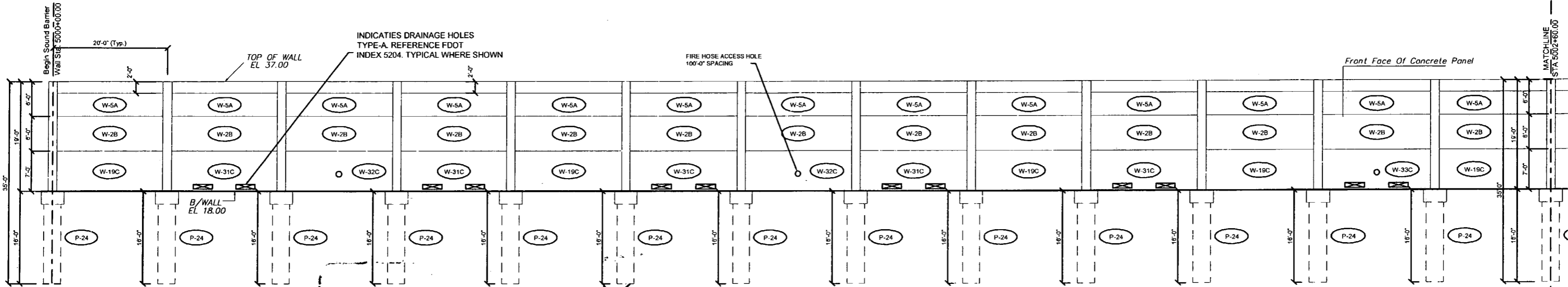
BEGIN SOUND BARRIER WALL 5  
(THREE OAKS)  
STA. 5000+00.00 @ BWS  
STA. 682+10.00 @ SURVEY I-75 (157.00' LT.)



INDICATES DRAINAGE HOLES  
TYPE-A REFERENCE FOOT  
INDEX 5204. TYPICAL WHERE SHOWN

FIRE HOSE ACCESS HOLE  
100'-0" SPACING

Front Face Of Concrete Panel



ELEVATION

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By MPL Date 2/26/08  
Shop Drawing Reference No. \_\_\_\_\_  
Project No. \_\_\_\_\_

6-75 DBF ACCI/API, a Joint Venture

- APPROVED
- APPROVED AS NOTED
- RETURNED FOR CORRECTION
- AMEND - SEE CHANGES BELOW
- REJECTED

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH ALL OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

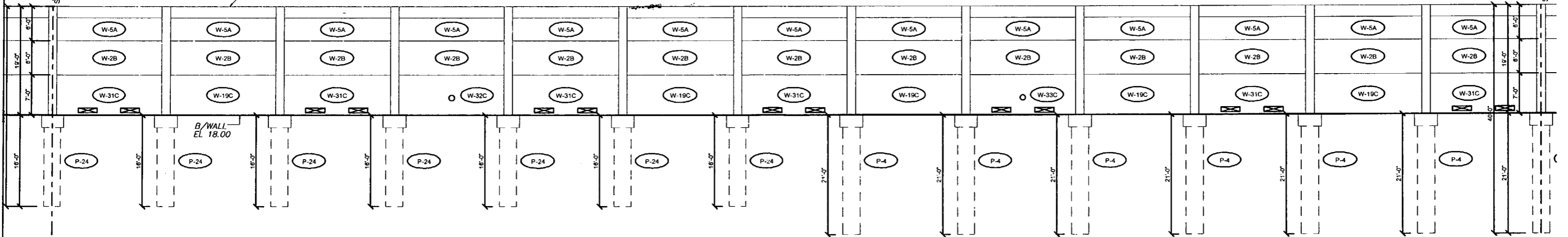
DATE: 2/22/08

CS-SD17 PAGE 1-8

N 14' 13' 19" W

PLAN VIEW

TOP OF WALL  
EL. 37.00



ELEVATION

Rev. No.	Date	Description
1	02/22/08	COMMENTS RECEIVED 02/18/08 - FIRE HOSE LOCATIONS & WALL ELEV

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
BY HDR ENGINEERING, INC.  
BW-1 THRU BW-6 DATED 06/07 AND 10/07  
BWS-1 THRU BWS-2 DATED 10/07

Drawn By: J.R.A.  
Date: 01/22/08  
Checked By: J.A.H.  
Date: 01/29/08

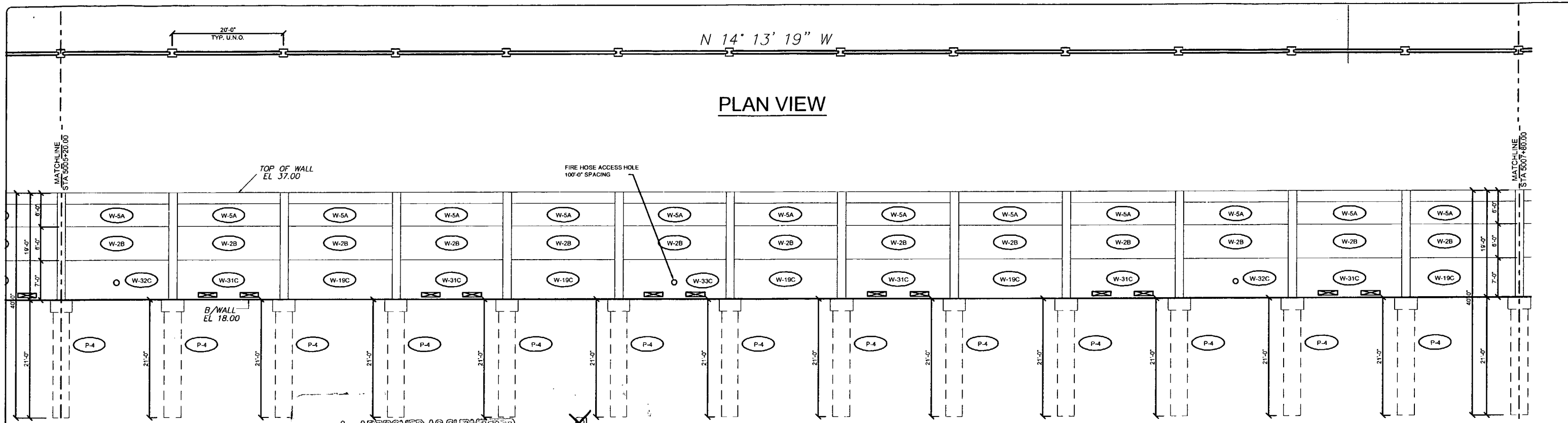
**Florida Engineering Solutions**  
C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, FL 78204  
Ph: 352 / 688 - 8311 Fax: 352 / 688 - 8411 Web: www.florida-engineering.com

February 21st, 2008  
John A. Hoy, P.E.  
Florida License Number 65212

**DURATEK** The Edge in Perimeter Walls  
Concrete Pro-cast Buffer Walls  
Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8029  
Tel Fax: 800/754-3841 Ph: 352/795-5844 Fax: 352/795-5833 Website: www.duratek.net

PROJECT NO. 07-2055-701	SHEET NO. X1.33
----------------------------	--------------------

SOUND BARRIER WALL 5 (THREE OAKS) PLAN AND ELEVATION  
SHOP DRAWING (STA 5000+00.00 - 5005+20.00)  
SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO  
SOUTH OF COLONIAL BOULEVARD



PLAN VIEW

ELEVATION

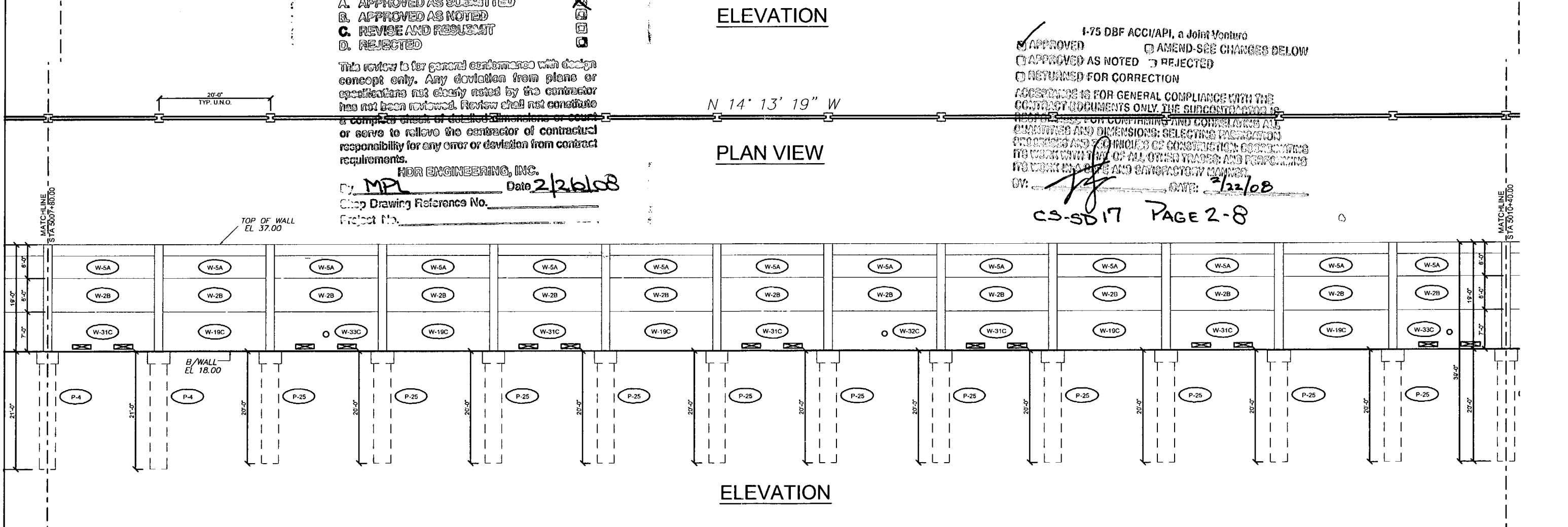
- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: MPL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

1-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND SPECIFICATIONS OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 2/22/08

CS-SD17 PAGE 2-8



PLAN VIEW

ELEVATION

Rev. No.	Date	Description
1	02/26/08	COMMENTS RECEIVED 02/17/08 - FIRE HOSE LOCATIONS & WALL ELEV

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-2 DATED 06/7 AND 10/07  
 BWS-1 THRU BWS-2 DATED 10/07

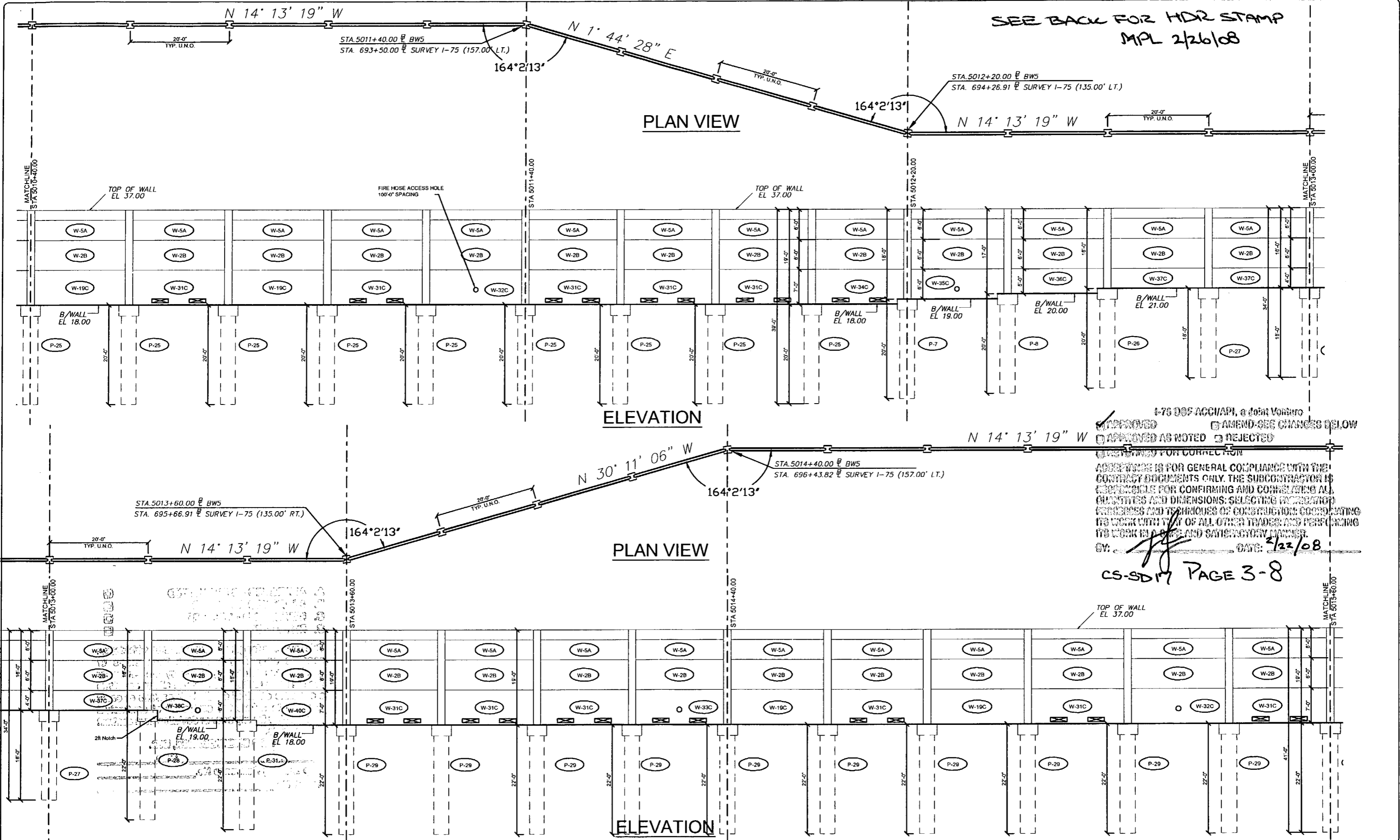
Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/28/08

**Florida Engineering Solutions**  
 C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33500  
 Ph: 352 / 686 - 6311 Fax: 352 / 686 - 5411 Web: www.florida-engineering.com

February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 93312

**DURATEK** PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2160 American Flyer Way Brooksville, FL 34604-8929  
 Toll Free: 800/764-3041 Ph: 352/789-6244 Fax: 352/789-6933 Website: www.duratek.net

SOUND BARRIER WALL 5 (THREE OAKS) PLAN AND ELEVATION  
 SHOP DRAWING (STA 5005+20.00 - 5010+40.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.34



SEE BACK FOR HDR STAMP  
MPL 2/26/08

I-75 DOT ACCI/API, a total Venturo  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING PROCEDURE, PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 2/22/08

CS-SD17 PAGE 3-8

Rev. No.	Date	Description
1	02/20/08	COMMENTS RECEIVED 02/10/08 - FIRE HOSE LOCATIONS & WALL ELEV

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HIR ENGINEERING, INC  
 BW-1 THRU BW-5 DATED 007 AND 1007  
 BW-1 THRU BW-2 DATED 1007

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/20/08

**Florida Engineering Solutions**  
 C.A. No. 28500 - 12630 Curley BL - Suite 101 - San Antonio, FL 33576  
 Ph: 352/765-5311 Fax: 352/765-5411 Web: www.florida-engineering.com

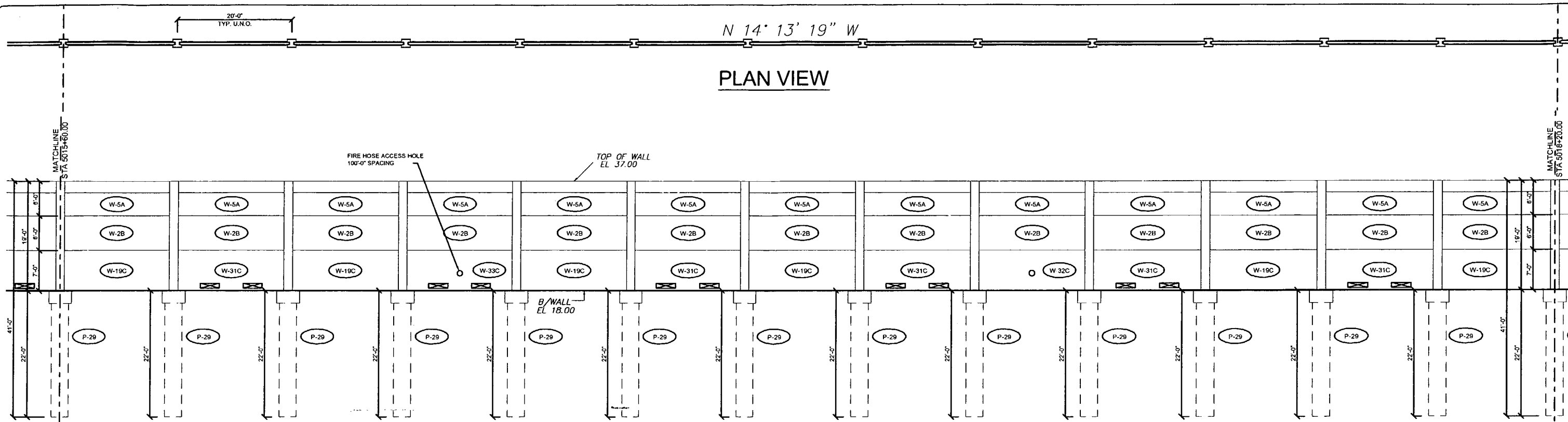
**DURATEK**  
 PRECAST TECHNOLOGIES  
 John A. Hoy, P.E.  
 Florida License Number 65312

**The Edge in Perimeter Walls**  
 Concrete Pro-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-6528  
 Toll Free: 800/754-3841 Ph: 352/765-5944 Fax: 352/765-5933 Website: www.duratek.net

SOUND BARRIER WALL 5 (THREE OAKS) PLAN AND ELEVATION  
 SHOP DRAWING (STA 5010+40.00 - 5015+60.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD  
 PROJECT NO. 07-2055-701  
 SHEET NO. X1.35

N 14' 13' 19" W

PLAN VIEW



- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED



ELEVATION

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

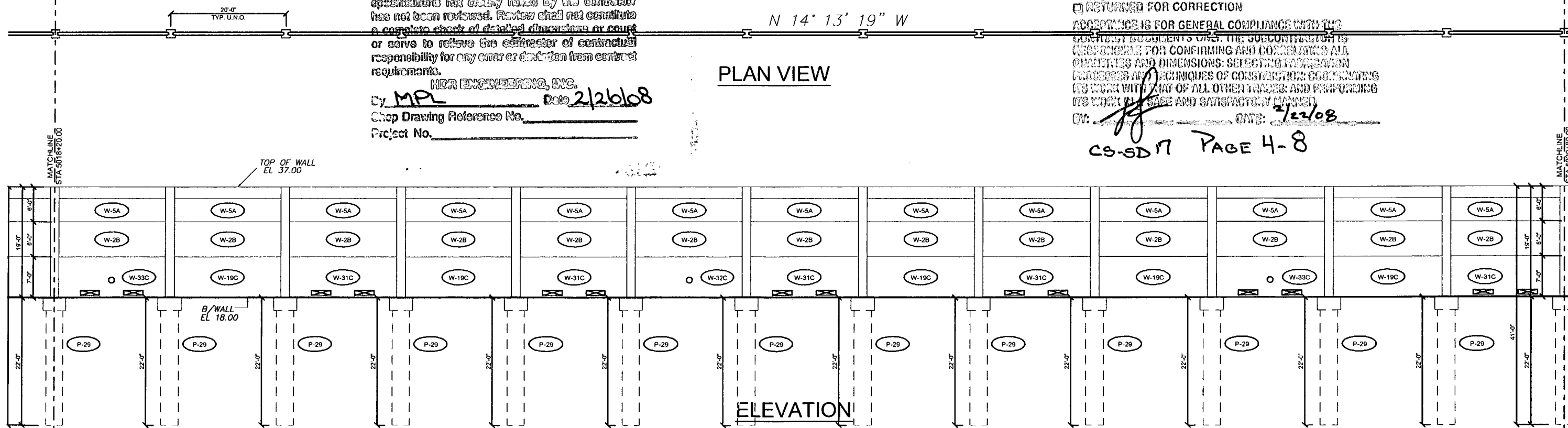
HDR ENGINEERING, INC.  
 By MPL Date 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

0-75 DOF ACCU/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 2/22/08

CS-SD 17 PAGE 4-8

N 14' 13' 19" W

PLAN VIEW



ELEVATION

Rev. No.	Date	Description
002	02/19/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS & WALL ELEV

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 007 AND 1007  
 BW-6-1 THRU BW-6-2 DATED 1007

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/29/08

**Florida Engineering Solutions**  
 C.A. No. 26300 - 12630 Curvey Bl. - Suite 101 - San Antonio, TX 78217  
 Ph: 352/688-5311 Fax: 352/688-5411 Web: www.floridaing.com

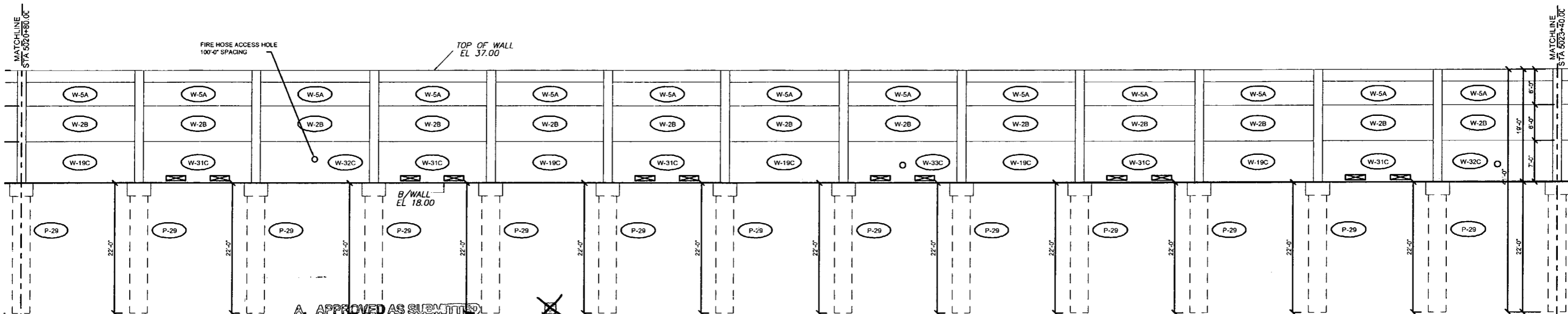
**DURATEK**  
 PRECAST TECHNOLOGIES  
 February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**The Edge in Perimeter Walls**  
 Concrete Pro-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-8829  
 Toll Free: 800/764-3641 Ph: 352/789-5044 Fax: 352/789-5933 Website: www.duratek.net

PROJECT NO. 07-2055-701  
 SHEET NO. X1.36  
 SOUND BARRIER WALL 5 (THREE OAKS) PLAN AND ELEVATION  
 SHOP DRAWING (STA 5015+60.00 - 5020+80.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

N 14' 13' 19" W

### PLAN VIEW



### ELEVATION

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or curve or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

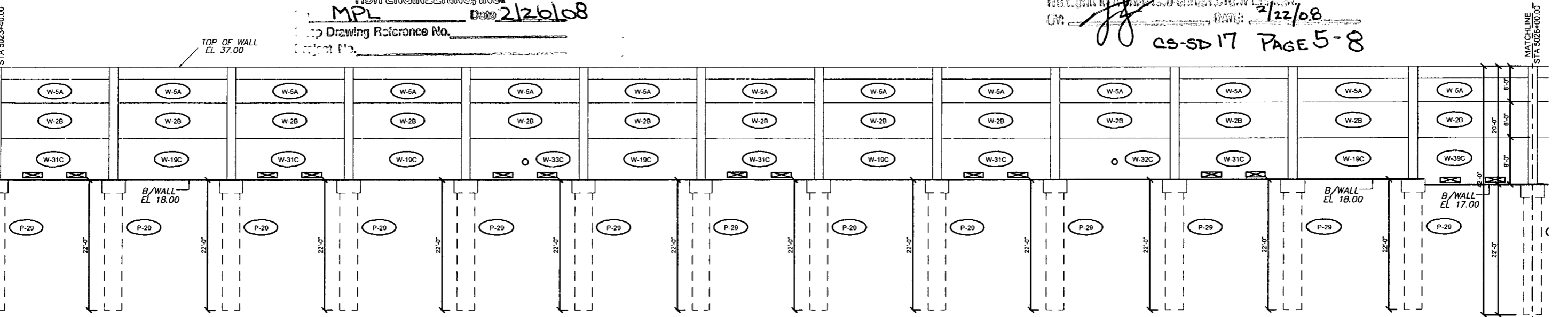
HDR ENGINEERING, INC.  
 MPL Date 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 SECTIONED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SELECTING FACINATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: [Signature] DATE: 2/22/08  
 CS-SD 17 PAGE 5-8

N 14' 13' 19" W

### PLAN VIEW



### ELEVATION

Rev. No.	Date	Description
1	02/20/08	COMMENTS RECEIVED 02/10/08 - FIRE HOSE LOCATIONS & WALL ELEV

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-6 DATED 06/7 AND 10/07  
 BWS-1 THRU BWS-2 DATED 10/07

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/29/08

**Florida Engineering Solutions**  
 C.A. No. 26300 - 12830 Curley St. - Suite 101 - San Antonio, TX 78208  
 Ph: 352/688-5311 Fax: 352/688-5411 Web: www.floridaing.com

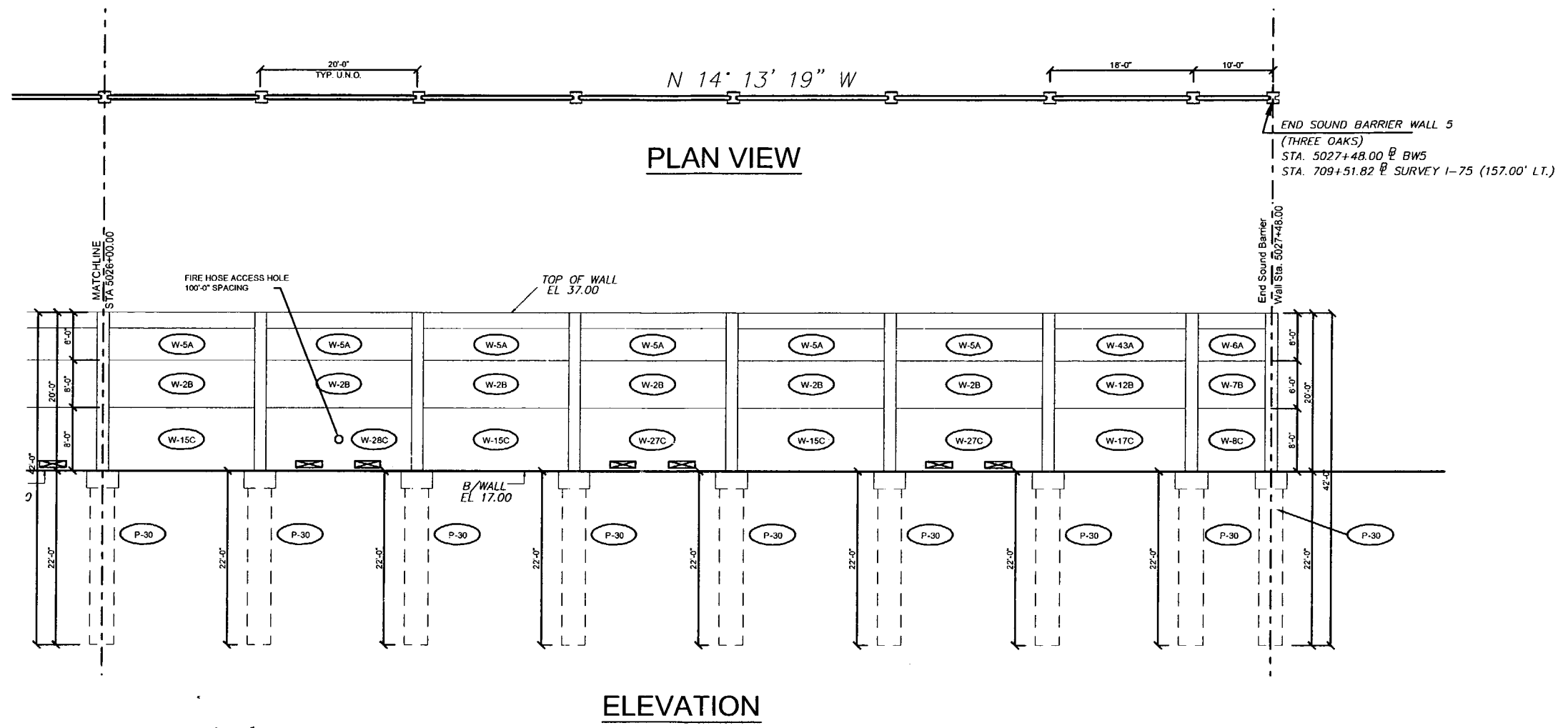
February 21st, 2008  
 John A. Hoy, P.E.  
 Florida License Number 55312

**DURATEK** PRECAST TECHNOLOGIES  
**The Edge in Perimeter Walls**  
 Concrete Pro-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0529  
 Toll Free: 800/754-3041 Ph: 352/766-5944 Fax: 352/766-5933 Website: www.duratek.net

SOUND BARRIER WALL 5 (THREE OAKS) PLAN AND ELEVATION  
 SHOP DRAWING (STA 5020+80.00 - 5026+00.00)  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X1.37





A. APPROVED AS SUBMITTED    
 B. APPROVED AS NOTED    
 C. REVISE AND RESUBMIT    
 D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: MPL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

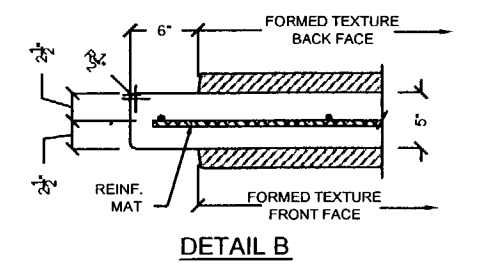
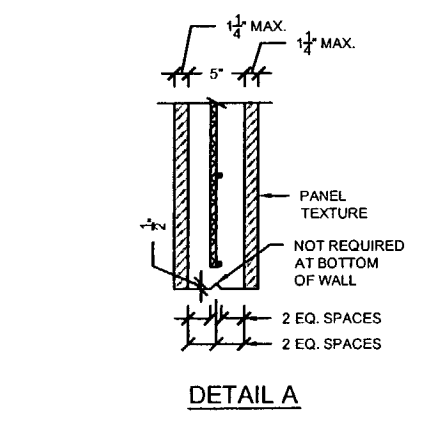
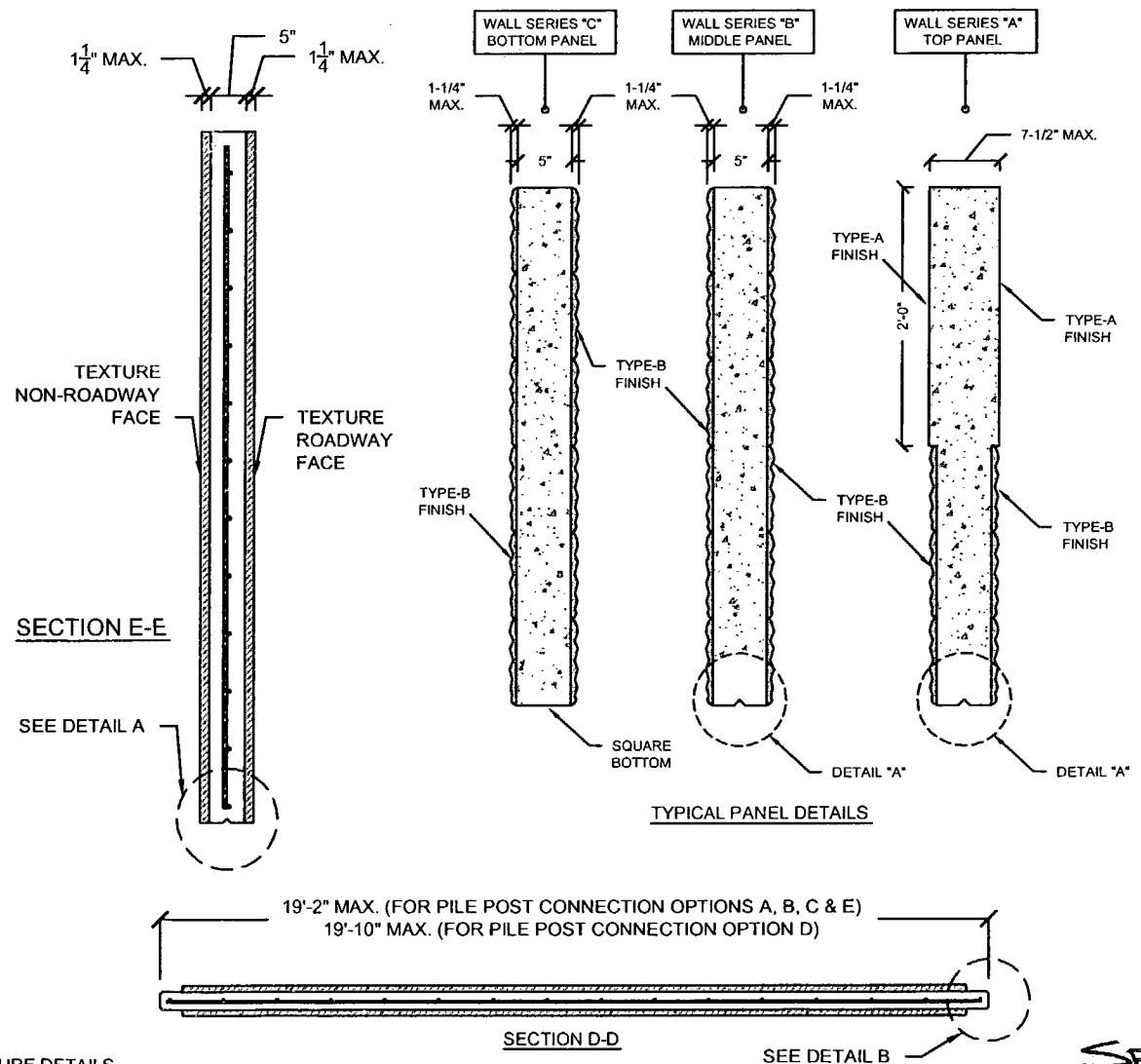
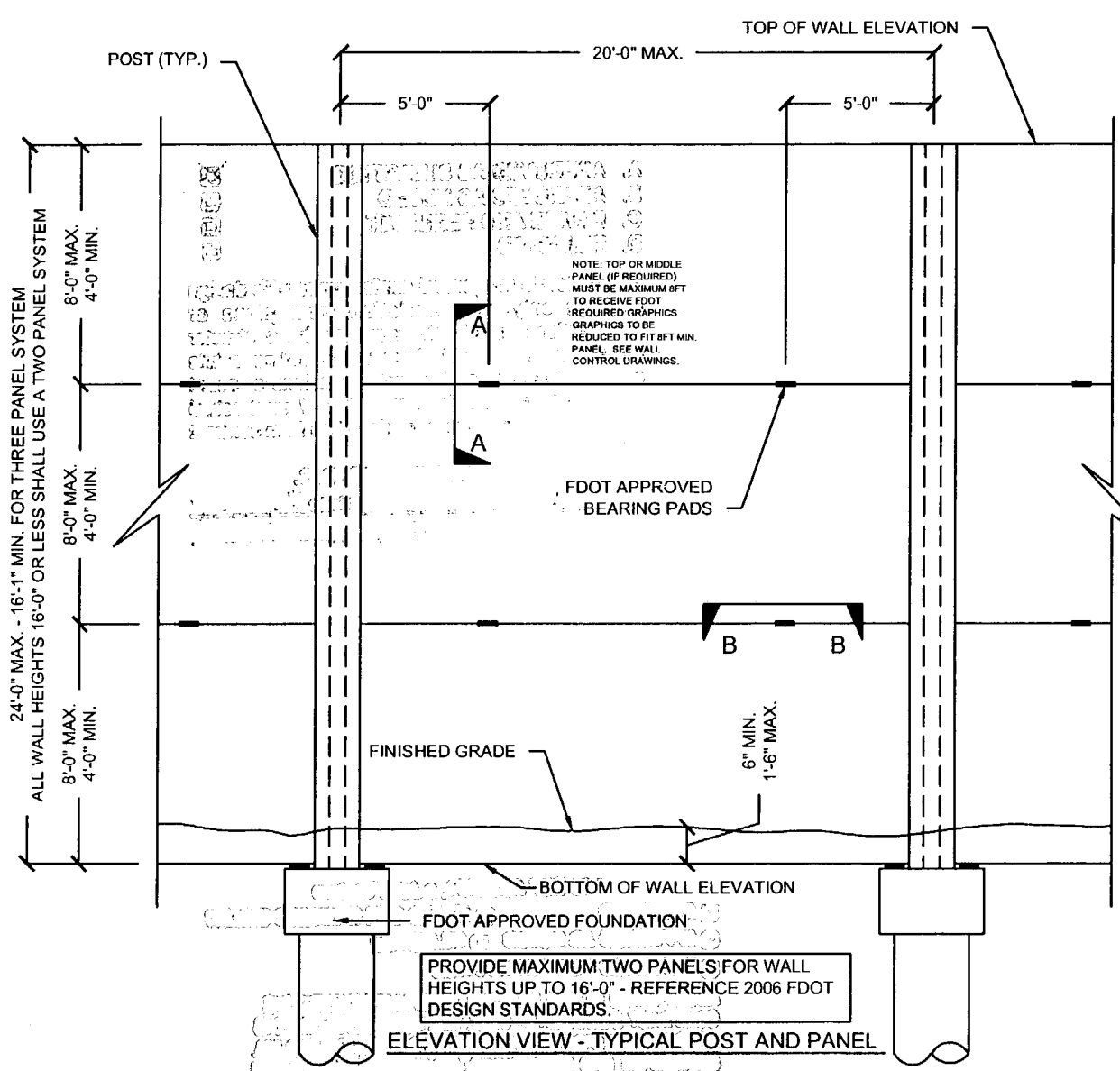
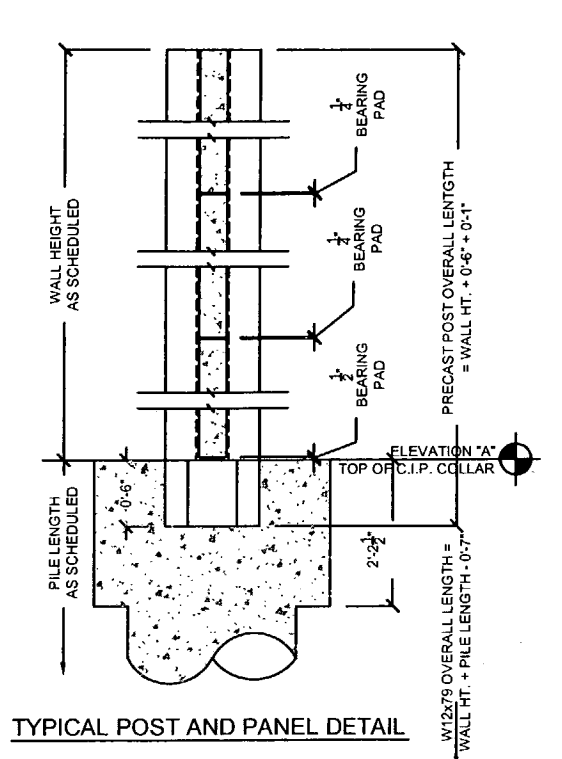
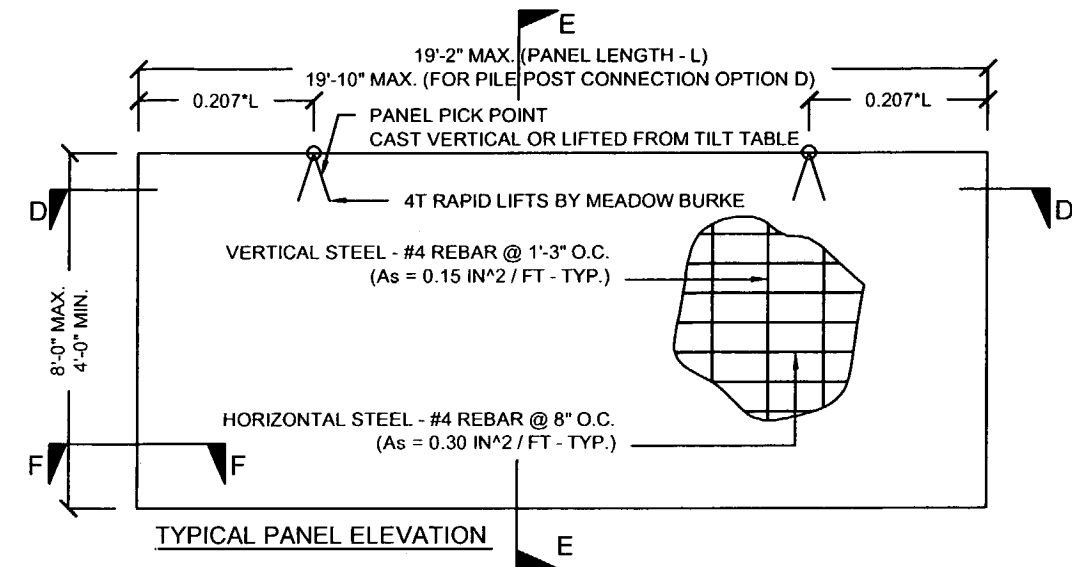
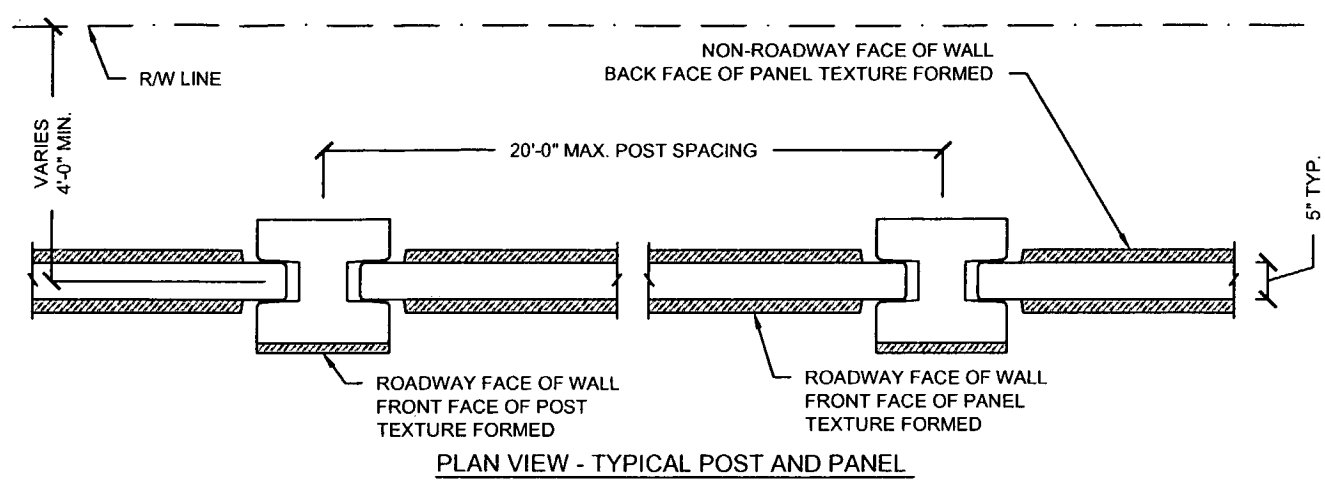
I-75 DBF ACCI/API, a Joint Venture  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING THIS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING THIS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 2/22/08

CS-SD 17 PAGE 6-8

REVISIONS		Drawn By: J.R.A. Date: 01/22/08	 C.A. No. 28300 - 12830 Cayton St. - Suite 101 - San Antonio, FL 78208 Ph: 512 / 688 - 6311 Fax: 512 / 688 - 6411 Web: www.floridaing.com	 The Edge in Perimeter Walls Concrete Pre-cast Buffer Walls Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34404-8820 Toll Free: 800/754-3641 Ph: 352/706-5044 Fax: 352/706-5933 Website: www.duratek.net	PROJECT NO. 07-2055-701 SHEET NO. X1.38
Rv. No.	Date				
1	02/20/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS & WALL ELEV.			
SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC. DW-1 THRU DW-5 DATED 09/07 AND 10/07 BWS-1 THRU BWS-2 DATED 10/07		Checked By: J.A.H. Date: 01/20/08			



<b>GENERAL NOTES</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5200	<b>SPECIAL PANELS AND POSTS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203	<b>TYPICAL PANELS AND POSTS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 SECTION A-A SECTION B-B SECTION "ELEVATION STEP AT BOTTOM OF WALL"	<b>GRAPHICS AND TEXTURE DETAILS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 WITH THE FOLLOWING EXCEPTIONS: 1) MAX PANEL HEIGHT = 8FT, 2) MAX. 1-1/4" FORMED TEXTURE FINISH ON NON-ROADWAY FACE OF WALL.	<b>FIRE HOSE ACCESS HOLE &amp; DRAINAGE DETAILS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5204	<b>PILE / POST CONNECTION OPTIONS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5205 OPTIONS - C	<b>FOUNDATION DEPTH AND REINFORCING</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5206 AND THESE DRAWINGS	<b>TYPICAL PANELS AND POSTS</b> REFERENCE 2006 FDOT DESIGN STANDARDS INDEX No. 5203 SECTION F-F
---	--	--	--	--	---	---	---

Rev. No.	Date	Description
1	07/18/08	GENERAL REVISION
2	02/19/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 06/7 AND 10/07  
 BW-1-1 THRU BW-1-4 DATED 10/07

Drawn By: R.M.  
 Date: 12/21/07  
 Checked By: J.A.H.  
 Date: 01/10/08

**Florida Engineering Solutions**  
 C.A. No. 26300 - 12630 Culey St., Suite 101 - San Antonio, FL 33526  
 Ph: 852/568-8311 Fax: 352/568-5411 Web: www.florida-engineering.com

February 21st 2008  
 John A. Hoy, P.E.  
 Florida License Number 66312

**DURATEK** The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Locations: 2190 American Flyer Way Brooksville, FL 34604-6520  
 Toll Free: 800/754-3941 Ph: 352/796-5944 Fax: 352/796-6933 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X2.1

SEE BACK FOR STAMP *[Signature]* 2/22/08

SEE BACK FOR HDR STAMP  
 MPL 2/26/08

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.  
 By: MPL Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

- APPROVED  APPROVED AS NOTED  REJECTED
- APPROVED AS NOTED  REJECTED
- RETURNED FOR CORRECTION

ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBMITTER IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS; SEE LISTING FOR PROCESSING AND TECHNIQUES OF CONSTRUCTION; VERIFYING ITS WORK WITH THAT OF ALL OTHERS; AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.

BY: [Signature] DATE: 2/22/08

CS-SD17

DURATEK PRECAST POST SCHEDULE - SOUND BARRIER WALL (THREE OAKS)

Duratek Mk No.	Scheduled Pile Length (ft-in)		Scheduled Wall Height (ft-in)		Precast Post Length (ft-in)		W12x79 Overall Length (ft-in)		Finish - Front Face of Post	Finish - Back Face of Post	Post Quantity by Drawing Number						Total Post Quantity	Total Precast Post Footage (ft)	Total W12x79 Footage (ft)	Total W12x79 Weight (cwt)	Remarks								
							X1.33	X1.34			X1.35	X1.36	X1.37	X1.38															
P-4	21	0	19	0	19	7	39	5	Type-A	Type-A	6	15					21	411.3	827.8	653.9									
P-7	20	0	18	0	18	7	37	5	Type-A	Type-A			1				1	18.6	37.4	29.6									
P-8	20	0	17	0	17	7	36	5	Type-A	Type-A			1				1	17.6	36.4	28.8									
P-24	16	0	19	0	19	7	34	5	Type-A	Type-A	20						20	391.7	688.3	543.8									
P-25	20	0	19	0	19	7	38	5	Type-A	Type-A		11	9				20	391.7	768.3	607.0									
P-26	20	0	16	0	16	7	35	5	Type-A	Type-A			1				1	16.6	35.4	28.0									
P-27	18	0	16	0	16	7	33	5	Type-A	Type-A			2				2	33.2	66.8	52.8									
P-28	22	0	16	0	16	7	37	5	Type-A	Type-A			1				1	16.6	37.4	29.6									
P-29	22	0	19	0	19	7	40	5	Type-A	Type-A			10	26	26		62	1214.2	2505.8	1979.6									
P-30	22	0	20	0	20	7	41	5	Type-A	Type-A						9	9	185.3	372.8	294.5									
P-31	22	0	18	0	18	7	39	5	Type-A	Type-A			1				1	18.6	39.4	31.1									
											<b>139</b>	<b>2715</b>	<b>5416</b>	<b>4279</b>															

DURATEK PRECAST WALL PANEL SCHEDULE - SOUND BARRIER WALL (THREE OAKS)

Duratek Mk No.	Panel Length (ft-in)		Panel Height (ft-in)		Panel Thickness (in)	Finish - Front Face of Panel	Finish - Back Face of Panel	Panel Quantity by Drawing Number						Total Panel Quantity	Total Panel Square Footage	Remarks
								X1.33	X1.34	X1.35	X1.36	X1.37	X1.38			
W-2B	19	2	6	0	5	Type-B	Type-B	26	26	26	26	26	6	136	15640.0	
W-5A	19	2	6	0	5	Type-B	Type-B	26	26	26	26	26	6	136	15640.0	2ft Type-A Finsh at Top
W-6A	9	2	6	0	5	Type-B	Type-B						1	1	55.0	2ft Type-A Finsh at Top
W-7B	9	2	6	0	5	Type-B	Type-B						1	1	55.0	
W-8C	9	2	8	0	5	Type-B	Type-B						1	1	73.3	
W-12B	17	2	6	0	5	Type-B	Type-B						1	1	103.0	
W-15C	19	2	8	0	5	Type-B	Type-B						3	3	460.0	
W-17C	17	2	8	0	5	Type-B	Type-B						1	1	137.3	
W-19C	19	2	7	0	5	Type-B	Type-B	10	10	4	11	10		45	6037.5	
W-27C	19	2	8	0	5	Type-B	Type-B						2	2	306.7	Drainage Holes
W-28C	19	2	8	0	5	Type-B	Type-B						1	1	153.3	Fire Hose /Drainage Holes
W-31C	19	2	7	0	5	Type-B	Type-B	11	10	11	10	10		52	6976.7	Drainage Holes
W-32C	19	2	7	0	5	Type-B	Type-B	3	3	2	2	3		13	1744.2	Fire Hose
W-33C	19	2	7	0	5	Type-B	Type-B	2	3	1	3	2		11	1475.8	Fire Hose /Drainage Holes
W-34C	19	2	7	0	5	Type-B	Type-B			1				1	134.2	Drainage Holes/notch Rt.
W-35C	19	2	6	0	5	Type-B	Type-B			1				1	115.0	Fire Hose /Notch Right
W-36C	19	2	5	0	5	Type-B	Type-B			1				1	95.8	Notch Right
W-37C	19	2	4	0	5	Type-B	Type-B			3				3	230.0	
W-38C	19	2	6	0	5	Type-B	Type-B			1				1	115.0	Fire Hose /Notch Left
W-39C	19	2	8	0	5	Type-B	Type-B					1		1	153.3	Drainage Holes/notch Lt.
W-40C	19	2	7	0	5	Type-B	Type-B			1				1	134.2	Notch Left
W-43A	19	2	6	0	5	Type-B	Type-B						1	1	115.0	2ft Type-A Finsh at Top
											<b>414</b>	<b>49950</b>				

1-75 005 ACC/AVP, John Vortaro  
 APPROVED  AMEND-SEE CHANGES BELOW  
 APPROVED AS NOTED  REJECTED  
 RETURNED FOR CORRECTION  
 ACCEPTANCE IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING ITS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING ITS WORK IN A SAFE AND SATISFACTORY MANNER.  
 BY: *[Signature]* DATE: 2/22/08

CS-SD17 PAGE 8-8

- A. APPROVED AS SUBMITTED
- B. APPROVED AS NOTED
- C. REVISE AND RESUBMIT
- D. REJECTED

This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contractor has not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements.

FOR ENGINEERING, INC.  
 By: *[Signature]* Date: 2/26/08  
 Shop Drawing Reference No. \_\_\_\_\_  
 Project No. \_\_\_\_\_

Rev. No.	Date	Description
1	02/22/08	COMMENTS RECEIVED 02/19/08 - FIRE HOSE LOCATIONS & WALL ELEV

SHOP DRAWINGS CREATED BASED ON THE FOLLOWING CONTRACT DRAWINGS  
 BY HDR ENGINEERING, INC.  
 BW-1 THRU BW-5 DATED 09/1 AND 10/07  
 BW-1 THRU BW-5 DATED 10/07

Drawn By: J.R.A.  
 Date: 01/22/08  
 Checked By: J.A.H.  
 Date: 01/26/08

**Florida Engineering Solutions**  
 C.A. No. 28300 - 12630 Curley St. - Suite 101 - San Antonio, FL 33870  
 Ph: 352/688-6311 Fax: 352/688-6411 Web: www.floridaing.com

**DURATEK**  
 PRECAST TECHNOLOGIES  
 February 2nd, 2008  
 John A. Hoy, P.E.  
 Florida License Number 65312

**DURATEK** The Edge in Perimeter Walls  
 Concrete Pre-cast Buffer Walls  
 Corporate Office Location: 2180 American Flyer Way Brooksville, FL 34604-0829  
 Toll Free: 800/754-3041 Ph: 352/700-6944 Fax: 352/700-6933 Website: www.duratek.net

DURATEK SOUND BARRIER WALL TYPICAL SECTIONS / DETAILS / AND PROJECT SCHEDULES  
 SR 93 (I-75) FROM NORTH OF GOLDEN GATE PARKWAY TO SOUTH OF COLONIAL BOULEVARD

PROJECT NO. 07-2055-701  
 SHEET NO. X2.6