

Revision 4 1-29-13

CONSTRUCTION CONTRACT NO. T1403

COMPONENTS OF CONTRACT PLANS SET  
 ROADWAY PLANS  
 SIGNING AND PAVEMENT MARKING PLANS  
 SIGNALIZATION PLANS  
 LIGHTING PLANS

A DETAILED INDEX APPEARS ON THE  
 KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

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3-10	DRAINAGE MAPS
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**SHOP DRAWING**  
**LIGHTING**  
**SIGNALS**  
**UTILITY PROJECT 194485-1-56-02**

**AS-BUILT**  
**SIGNALS**  
**DIRECTIONAL BORES**  
**RECORD SURVEY**

INDEX OF FINAL PLANS

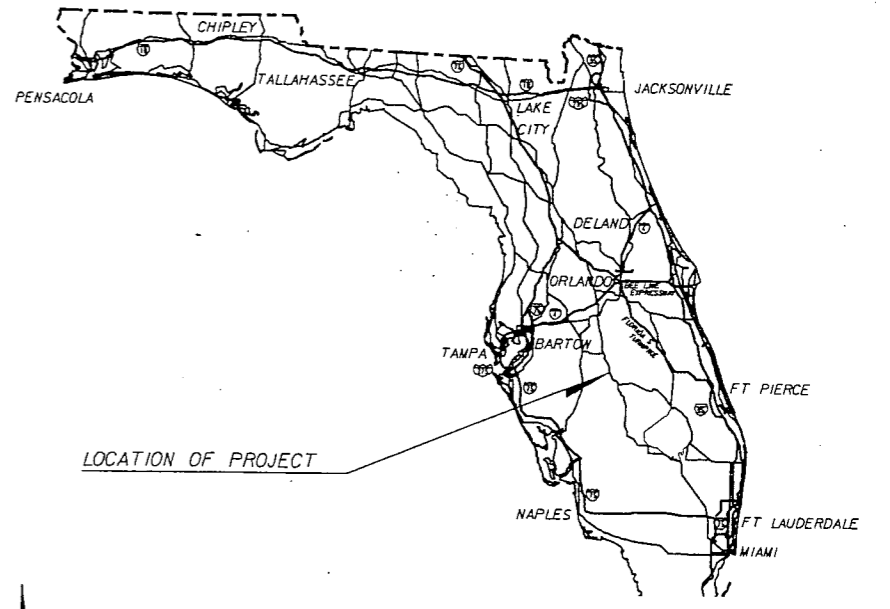
COMPUTATION BOOK 1-3  
 FIELD BOOK - 00001 - SEDIMENT BARRIER & FLOATING TURBIDITY BARRIER  
 FIELD BOOK - 00002 - REMOVAL OF EXISTING CONCRETE PAVEMENT, MOWING & LITTER REMOVAL

THRU 187, 207,  
 217A, 217B, 235, 241,  
 219A, 219B,  
 285 (REVISED 01-29-13)  
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STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

FINAL "AS BUILT" PLANS

FINANCIAL PROJECT ID 194485-1-52-01  
 (FEDERAL FUNDS)  
 HIGHLANDS COUNTY (09030)  
 STATE ROAD NO. 25 (US 27)



NAME OF CONTRACTOR: **BETTER ROADS, INC.**  
 NAME OF ALL CONSULTANTS INVOLVED: **AMEC ENVIRONMENT & INFRASTRUCTURE, INC.**  
 RESIDENT ENGINEER: **JENNIFER PERRY**  
 PROJECT ADMINISTRATOR: **TODD BOEHMER, PE**  
 DISTRICT SECRETARY: **BILLY HATTAWAY**  
 DATE WORK STARTED: **MARCH 5, 2012**  
 DATE WORK CONDITIONALLY ACCEPTED: **N/A**  
 DATE WORK FINAL ACCEPTANCE: **DECEMBER 30, 2013**

PLANS PREPARED BY:  
**URS**  
 URS CORPORATION  
 7650 W. COURTNEY CAMPBELL CAUSEWAY  
 TAMPA, FLORIDA 33607-1462  
 (813) 286-1711

VENDOR NO. F592087895002  
 CERTIFICATE OF AUTHORIZATION NO. 00000002  
 CONTRACT NO. C7347

NOTE: THIS PROJECT TO BE LET TO CONTRACT WITH FINANCIAL PROJECT ID: 194485-1-56-02.

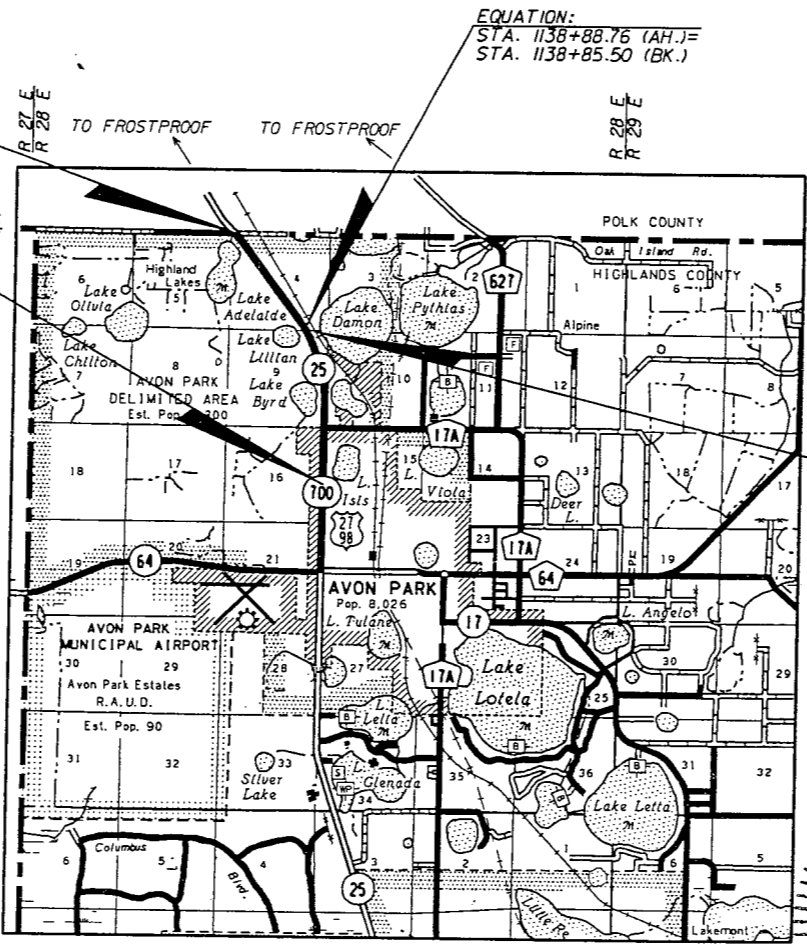
NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

This project was constructed in substantial compliance with these plans as provided by the Engineer of Record. If changes were made, those changes are indicated by black ink revision and bear the seal, signature and date of the responsible Engineer.

JEFFREY W. BLAZOWSKI, P.E.  
 No. 55527  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

Resident Engineer: **Todd A. Boehmer, PE**  
 Registration No. **42478**

FISCAL YEAR	SHEET NO.
11	1



LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	14529.00	2.752
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	14529.00	2.752
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	14529.00	2.752

FDOT PROJECT MANAGER: NATHAN WEST, P.E.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.

- COMPONENTS OF CONTRACT PLANS SET  
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 LIGHTING PLANS

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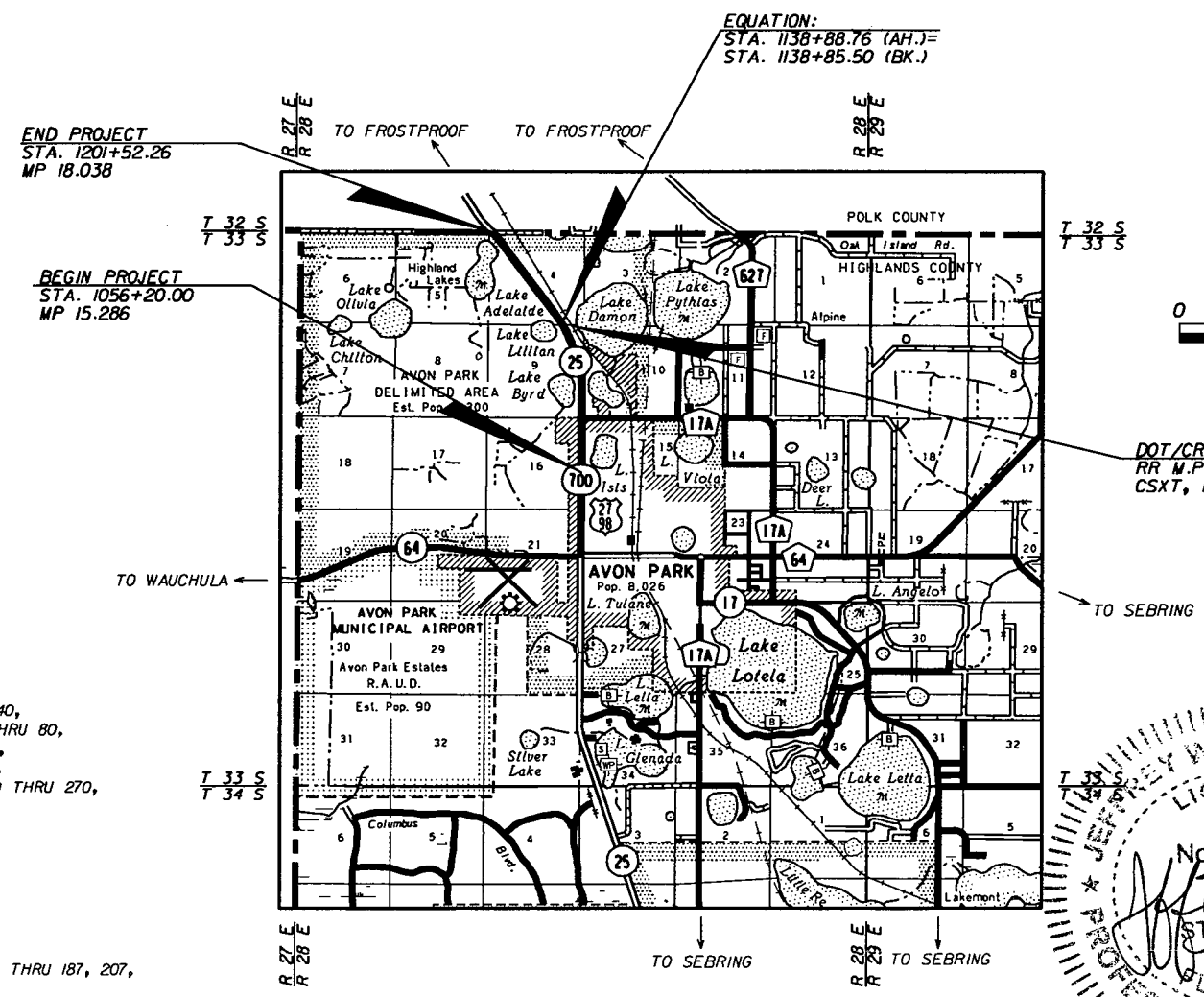
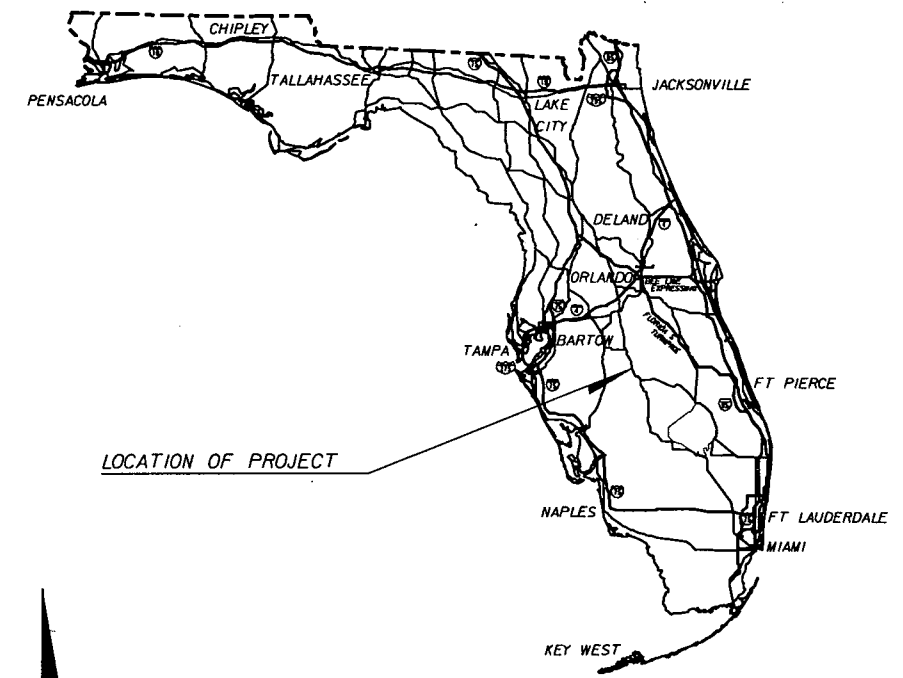
GOVERNING STANDARDS AND SPECIFICATIONS:  
 FLORIDA DEPARTMENT OF TRANSPORTATION,  
 DESIGN STANDARDS DATED 2010,  
 AND STANDARD SPECIFICATIONS FOR ROAD AND  
 BRIDGE CONSTRUCTION DATED 2010,  
 AS AMENDED BY CONTRACT DOCUMENTS.  
 APPLICABLE DESIGN STANDARDS MODIFICATIONS: 01-01-11  
 For Design Standards Modifications click on  
 "Design Standards" at the following web site:  
<http://www.dot.state.fl.us/rddesign/>

- REVISIONS  
 FINANCIAL PROJECT ID: 194485-1-52-01  
 ROADWAY SHEETS 1, 2A THRU 2D, 5 THRU 7, 17, 19, 21 THRU 28, 38 THRU 40,  
 43 THRU 46, 48, 50 THRU 51, 53 THRU 54, 62 THRU 64, 70 THRU 71, 73 THRU 80,  
 82 THRU 84, 92 THRU 99, 101 THRU 103, 108 THRU 124, 124A THRU 124C, 138,  
 154 THRU 160, 167 THRU 175, 179 THRU 181, 184 THRU 186, 193 THRU 195, 207,  
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 272-273 (REVISED 5-11-11)  
 SIGNING AND PAVEMENT MARKING SHEETS S-2 - S-4, S-11 - S-13,  
 S-16 - S-23, S-25 - S-26 (REVISED 5-11-11)  
 LIGHTING SHEETS L-2 - L-4, L-13 - L-15, L-18 - L-21, L-23,  
 L-25 - L-26, L-28 - L-29 (REVISED 5-11-11)  
 FINANCIAL PROJECT ID: 194485-1-56-02  
 UTILITY PLAN SHEETS 2 THRU 6, 8, 11 THRU 18, 20 THRU 22, 24 THRU 25,  
 31 THRU 60 (REVISED 5-11-11)  
 FINANCIAL PROJECT ID: 194485-1-52-01  
 ROADWAY SHEETS 5, 7, 16, 17, 20, 23, 27, 28, 50, 51, 60, 117, 124D, 135, 184 THRU 187, 207,  
 211, 245, 248, 250, 269, 279 (REVISED 9-6-11)  
 SIGNING AND PAVEMENT MARKING SHEETS S-3, S-4, S-22, S-23, S-31, (REVISED 9-6-11)  
 LIGHTING SHEET L-25 (REVISED 9-6-11)  
 FINANCIAL PROJECT ID: 194485-1-52-01  
 ROADWAY SHEETS 1, 6, 7, 17, 19, 24 THRU 26, 28, 30, 43 THRU 46, 61A, 63, 65, 66, 91 THRU 103,  
 140 THRU 142, 154 THRU 159, 167 THRU 175, 179, 185, 186, 193 THRU 195, 207, 217A, 217B, 235, 241,  
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 LIGHTING SHEET L-3, L-4, L-6, L-7, L-18 THRU L-21 (REVISED 10-7-11)  
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 ROADWAY SHEETS 20, 22 THRU 28a, 47, 49, 60, 124D, 124E, 128, 129, 283 THRU 285 (REVISED 01-29-13)  
 LIGHTING SHEET L-2 THRU L-4, L-7, L-14, L-20 THRU L-22 (REVISED 01-29-13)

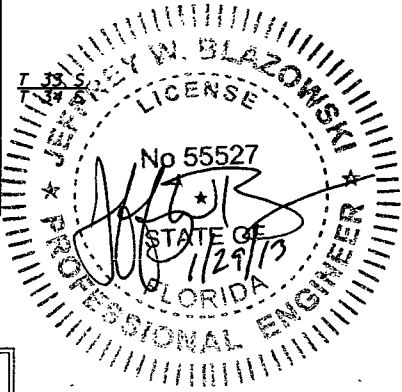
STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 194485-1-52-01  
 (FEDERAL FUNDS)  
 HIGHLANDS COUNTY (09030)  
 STATE ROAD NO. 25 (US 27)



DOT/CROSSING NO. 627566H  
 RR M.P. AX855.55, LAKE DAMON DR.  
 CSXT, INC., STA. 1136+70 RT.



LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	14529.00	2.752
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	14529.00	2.752
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	14529.00	2.752

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION
10/7/11	JWB	ADDED SHEET.

ROADWAY SHOP DRAWINGS  
 TO BE SUBMITTED TO:  
 JEFFREY W. BLAZOWSKI, P.E.  
 URS CORPORATION  
 7650 W. COURTNEY CAMPBELL CAUSEWAY  
 TAMPA, FLORIDA 33607-1462  
 (813) 286-1711

PLANS PREPARED BY:  
**URS**  
 URS CORPORATION  
 7650 W. COURTNEY CAMPBELL CAUSEWAY  
 TAMPA, FLORIDA 33607-1462  
 (813) 286-1711

VENDOR NO. F592087895002  
 CERTIFICATE OF AUTHORIZATION NO. 00000002  
 CONTRACT NO. C7347

NOTE: THIS PROJECT TO BE LET TO CONTRACT  
 WITH FINANCIAL PROJECT ID: 194485-1-56-02.

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

ROADWAY PLANS  
 ENGINEER OF RECORD: Jeffrey W. Blazowski, P.E.

P.E. No. 55527

FISCAL YEAR	SHEET NO.
11	1

FDOT PROJECT MANAGER: NATHAN WEST, P.E.

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APPLICABLE DESIGN STANDARDS MODIFICATIONS: 01-01-11 For Design Standards Modifications click on "Design Standards" at the following web site: <http://www.dot.state.fl.us/rddesign/>

FINANCIAL PROJECT ID: 194485-1-52-01  
 ROADWAY SHEETS 4, 2A THRU 2D, 5 THRU 7, 17, 19, 21 THRU 28, 38 THRU 40, 43 THRU 46, 48, 50 THRU 51, 53 THRU 54, 62 THRU 64, 70 THRU 71, 73 THRU 80, 82 THRU 84, 92 THRU 99, 101 THRU 103, 108 THRU 124, 124A THRU 124C, 138, 154 THRU 160, 167 THRU 175, 179 THRU 181, 184 THRU 186, 193 THRU 195, 207, 234, 239, 241, 243, 246 THRU 249, 257 THRU 259, 262 THRU 265, 267, 269 THRU 270, 272-273 (REVISED 5-11-11)  
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FINANCIAL PROJECT ID: 194485-1-56-02  
 UTILITY PLAN SHEETS 2 THRU 6, 8, 11 THRU 18, 20 THRU 22, 24 THRU 25, 31 THRU 60 (REVISED 5-11-11)

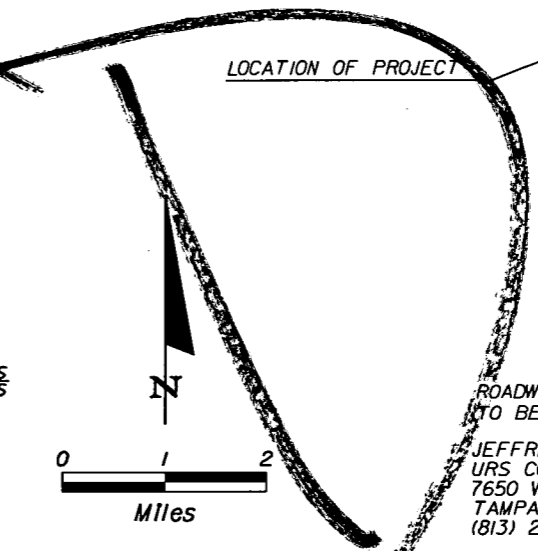
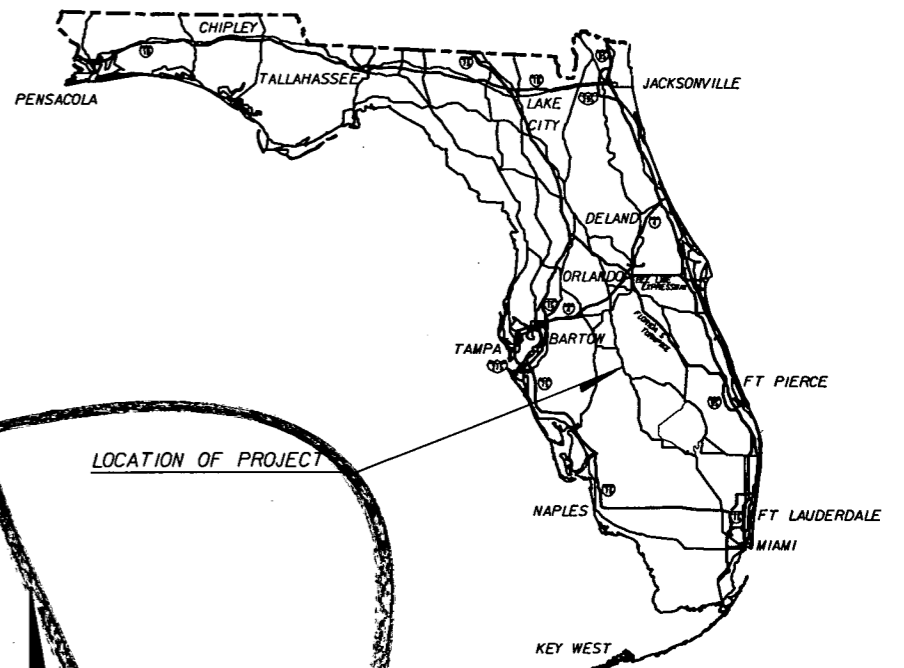
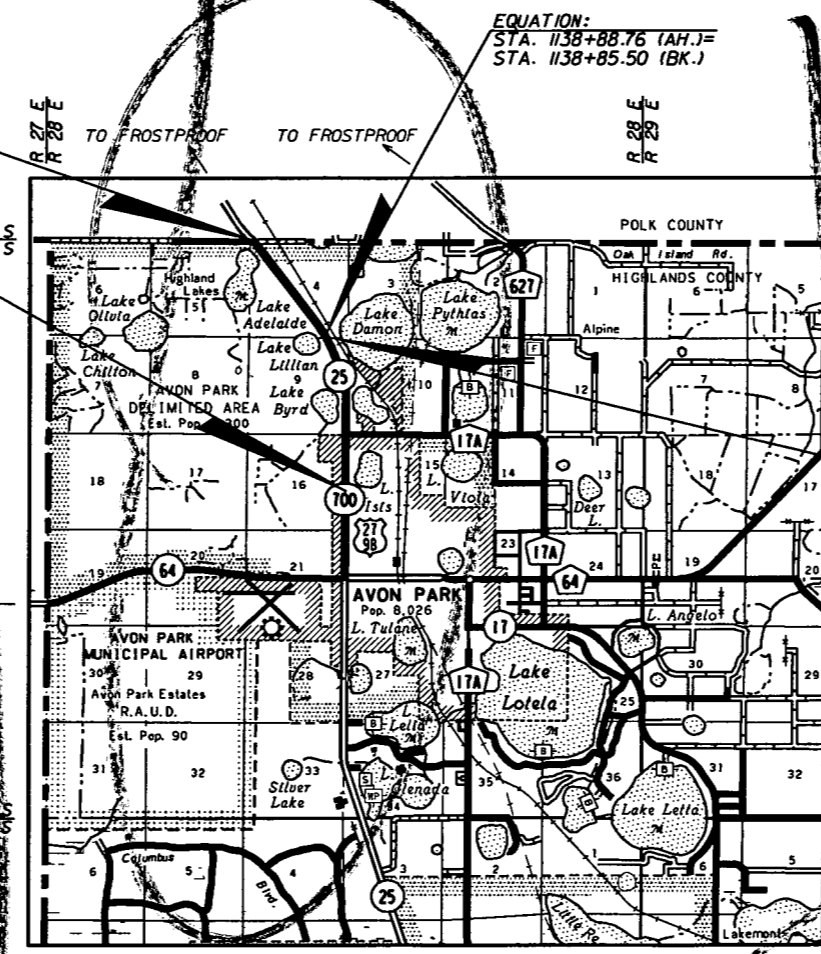
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STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 194485-1-52-01  
(FEDERAL FUNDS)  
HIGHLANDS COUNTY (09030)  
STATE ROAD NO. 25 (US 27)



ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:  
 JEFFREY W. BLAZOWSKI, P.E.  
 URS CORPORATION  
 7650 W. COURTNEY CAMPBELL CAUSEWAY  
 TAMPA, FLORIDA 33607-1462  
 (813) 286-1711

PLANS PREPARED BY:  
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 URS CORPORATION  
 7650 W. COURTNEY CAMPBELL CAUSEWAY  
 TAMPA, FLORIDA 33607-1462  
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VENDOR NO. F592087895002  
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ROADWAY	14529.00	2.752
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NET LENGTH OF PROJECT	14529.00	2.752
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	14529.00	2.752

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION
10/7/11	JWB	△ ADDED SHEET

ROADWAY PLANS  
 ENGINEER OF RECORD: Jeffrey W. Blazowski, P.E.

P.E. NO.: 55527

FISCAL YEAR	SHEET NO.
11	1

FDOT PROJECT MANAGER: NATHAN WEST, P.E.

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APPLICABLE DESIGN STANDARDS MODIFICATIONS: 01-01-II  
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REVISIONS

FINANCIAL PROJECT ID: 194485-1-52-01

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SIGNING AND PAVEMENT MARKING SHEETS S-2 - S-4, S-11 - S-13, S-16 - S-23, S-25 - S-26 (REVISED 5-11-11)

LIGHTING SHEETS L-2 - L-4, L-13 - L-15, L-18 - L-21, L-23, L-25 - L-26, L-28 - L-29 (REVISED 5-11-11)

FINANCIAL PROJECT ID: 194485-1-56-02

UTILITY PLAN SHEETS 2 THRU 6, 8, 11 THRU 18, 20 THRU 22, 24 THRU 25, 31 THRU 60 (REVISED 5-11-11)

FINANCIAL PROJECT ID: 194485-1-52-01

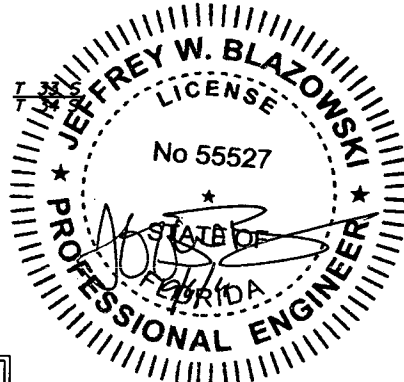
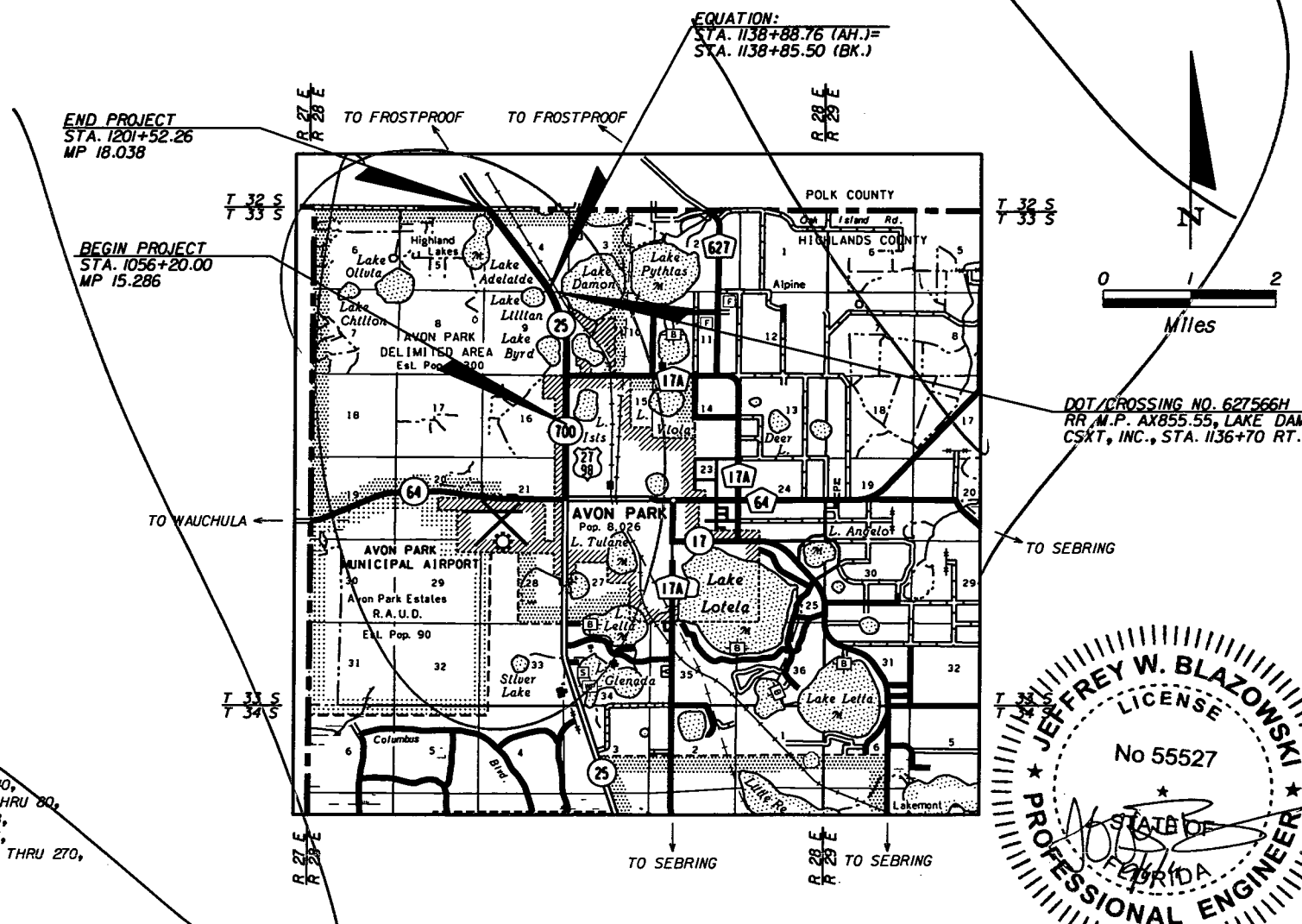
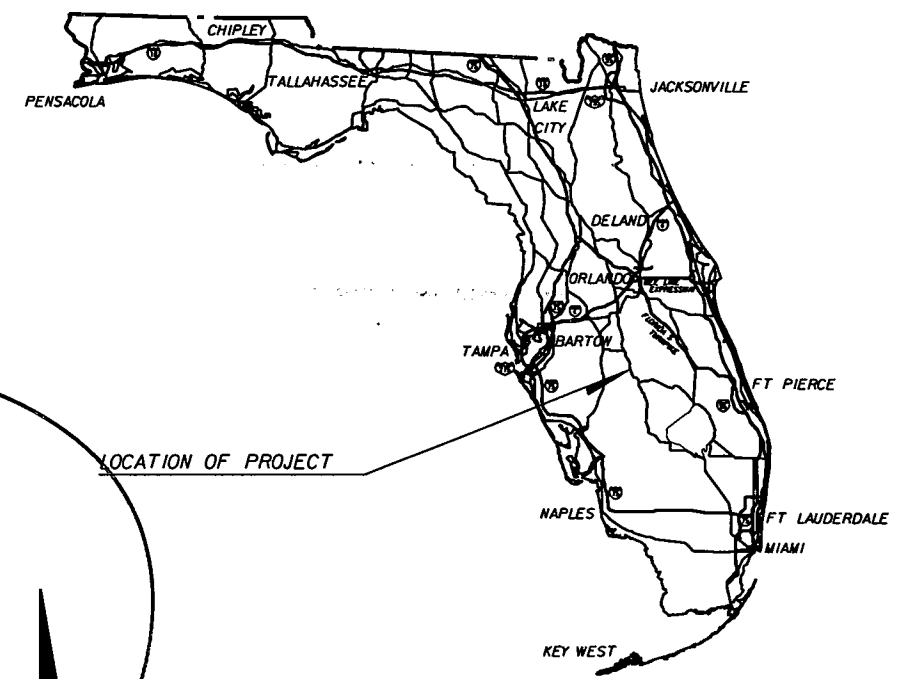
ROADWAY SHEETS 5, 7, 16, 17, 20, 23, 27, 28, 50, 51, 60, 117, 124D, 135, 184 THRU 187, 207, 211, 245, 248, 250, 269, 279 (REVISED 9-6-11)

SIGNING AND PAVEMENT MARKING SHEETS S-3, S-4, S-22, S-23, S-31, (REVISED 9-6-11)  
LIGHTING SHEET L-25 (REVISED 9-6-11)

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 194485-1-52-01  
(FEDERAL FUNDS)  
HIGHLANDS COUNTY (09030)  
STATE ROAD NO. 25 (US 27)



LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	14529.00	2.752
BRIDGES	0.00	0.000
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KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:  
JEFFREY W. BLAZOWSKI, P.E.  
URS CORPORATION  
7650 W. COURTNEY CAMPBELL CAUSEWAY  
TAMPA, FLORIDA 33607-1462  
(813) 286-1711

PLANS PREPARED BY:  
**URS**  
URS CORPORATION  
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TAMPA, FLORIDA 33607-1462  
(813) 286-1711

VENDOR NO. F592087895002  
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CONTRACT NO. C7347

NOTE: THIS PROJECT TO BE LET TO CONTRACT WITH FINANCIAL PROJECT ID: 194485-1-56-02.

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

ROADWAY PLANS  
ENGINEER OF RECORD: Jeffrey W. Blazowski, P.E.

P.E. NO.: 55527

FISCAL YEAR	SHEET NO.
11	1

FDOT PROJECT MANAGER: NATHAN WEST, P.E.

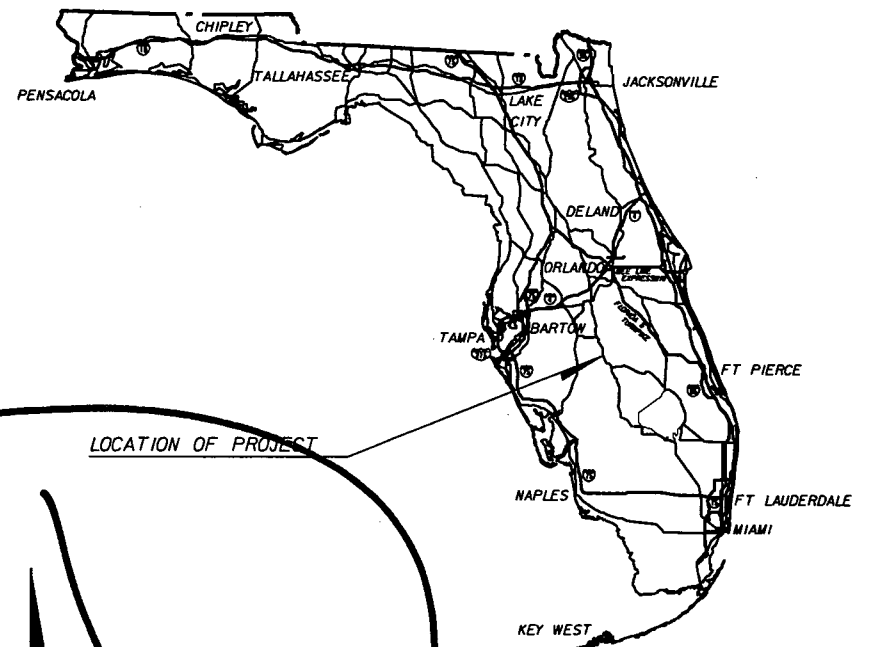
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6015-23.003, F.A.C.

COMPONENTS OF CONTRACT PLANS SET  
ROADWAY PLANS  
SIGNING AND PAVEMENT MARKING PLANS  
SIGNALIZATION PLANS  
LIGHTING PLANS

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 194485-1-52-01  
(FEDERAL FUNDS)  
HIGHLANDS COUNTY (09030)  
STATE ROAD NO. 25 (US 27)



A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT  
INDEX OF ROADWAY PLANS

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140-229	CROSS SECTIONS
230-233	STORM WATER POLLUTION PREVENTION PLAN
234-250	TRAFFIC CONTROL PLANS
251-282	UTILITY ADJUSTMENTS
283-285	RETAINING WALL
286	REPORT OF CORE BORINGS - RETAINING WALL

GOVERNING STANDARDS AND SPECIFICATIONS:  
FLORIDA DEPARTMENT OF TRANSPORTATION,  
DESIGN STANDARDS DATED 2010,  
AND STANDARD SPECIFICATIONS FOR ROAD AND  
BRIDGE CONSTRUCTION DATED 2010,  
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 01-01-II  
For Design Standards Modifications click on  
"Design Standards" at the following web site:  
<http://www.dot.state.fl.us/rddesign/>

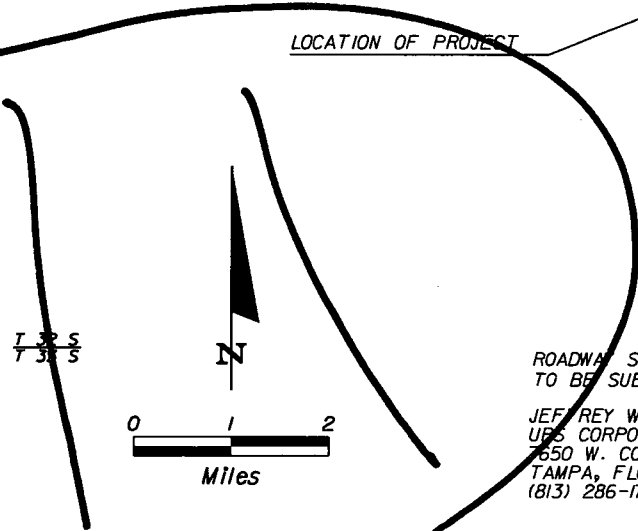
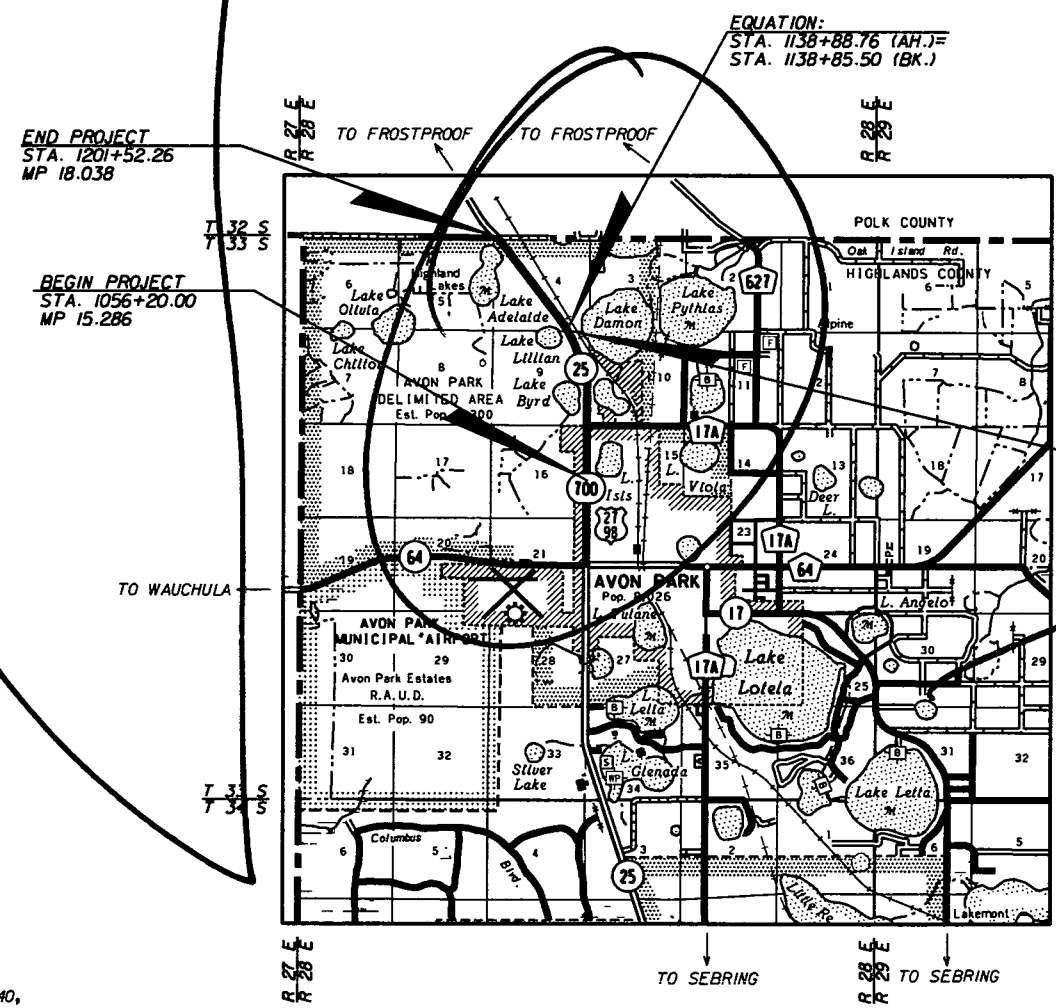
REVISIONS

FINANCIAL PROJECT ID: 194485-1-52-01  
ROADWAY SHEETS 1, 2A THRU 2D, 5 THRU 7, 17, 19, 21 THRU 28, 38 THRU 40,  
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82 THRU 84, 92 THRU 99, 101 THRU 103, 108 THRU 124, 124A THRU 124C, 138,  
154 THRU 160, 167 THRU 175, 179 THRU 181, 184 THRU 186, 193 THRU 195, 207,  
234, 239, 241, 243, 246 THRU 249, 257 THRU 259, 262 THRU 265, 267, 269 THRU 270,  
272-273 (REVISED 5-11-11)

SIGNING AND PAVEMENT MARKING SHEETS S-2 - S-4, S-11 - S-13,  
S-16 - S-23, S-25 - S-26 (REVISED 5-11-11)

LIGHTING SHEETS: L-2 - L-4, L-13 - L-15, L-18 - L-21, L-23,  
L-25 - L-26, L-28 - L-29 (REVISED 5-11-11)

FINANCIAL PROJECT ID: 194485-1-56-02  
UTILITY PLAN SHEETS 2 THRU 6, 8, 11 THRU 18, 20 THRU 22, 24 THRU 25,  
31 THRU 60 (REVISED 5-11-11)



ROADWAY SHOP DRAWINGS  
TO BE SUBMITTED TO:  
JEFFREY W. BLAZOWSKI, P.E.  
URS CORPORATION  
7650 W. COURTNEY CAMPBELL CAUSEWAY  
TAMPA, FLORIDA 33607-1462  
(813) 286-1711

PLANS PREPARED BY:  
**URS**  
URS CORPORATION  
7650 W. COURTNEY CAMPBELL CAUSEWAY  
TAMPA, FLORIDA 33607-1462  
(813) 286-1711

VENDOR NO. F592087895002  
CERTIFICATE OF AUTHORIZATION NO. 00000002  
CONTRACT NO. C7347

NOTE: THIS PROJECT TO BE LET TO CONTRACT  
WITH FINANCIAL PROJECT ID: 194485-1-56-02.

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

ROADWAY PLANS  
ENGINEER OF RECORD: Jeffrey W. Blazowski, P.E.

P.E. NO. 55527

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	14529.00	2.752
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	14529.00	2.752
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	14529.00	2.752

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

FISCAL YEAR	SHEET NO.
11	1

FDOT PROJECT MANAGER: NATHAN WEST, P.E.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

0001 SUMMARY OF ROADWAY		PAY ITEMS				
ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	19448515201	19448515602	QUANTITY TOTAL
	0101-1-	MOBILIZATION (19448515201)	LS	1.000	0.000	1.000
	0102-1-	MAINTENANCE OF TRAFFIC (19448515201)	LS	1.000	0.000	1.000
	0102-3-	COMMERCIAL MATERIAL FOR DRIVEWAY MAINTENANCE	CY	1376.000	0.000	1376.000
	0102-14-	TRAFFIC CONTROL OFFICER	MH	150.000	0.000	150.000
	0102-60-	WORK ZONE SIGN	LF	25080.000	0.000	25080.000
	0102-71-11	BARRIER WALL TEMPORARY, F&I, CONCRETE	LF	1141.000	0.000	1141.000
	0102-74-1	BARRICADE TEMPORARY, TYPES I, II, DI, VP & DRUM	ED	195468.000	0.000	195468.000
	0102-74-2	BARRICADE TEMPORARY, TYPE III, 6'	ED	240.000	0.000	240.000
	0102-76-	ADVANCE WARNING ARROW PANEL	ED	120.000	0.000	120.000
	0102-77-	HIGH INTENSITY FLASHING LIGHTS, TEMP, TYPE B	ED	14460.000	0.000	14460.000
	0102-78-	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	1866.000	0.000	1866.000
	0102-79-	LIGHTS, BARRIER WALL MOUNT TEMP, TYPE C, STEADY BURN	ED	198320.000	0.000	198320.000
	0102-89-7	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	2.000	0.000	2.000
	0102-99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	28.000	0.000	28.000
	0102-107-	TEMPORARY TRAFFIC DETECTION, INTERSECT	DA	450.000	0.000	450.000
	Δ0104-1-	ARTIFICIAL COVERINGS / ROLLED EROSION CONTROL PRODUCTS	SY	17405.000	0.000	17405.000
	0104-7-	SEDIMENT BASIN / CONTAINMENT SYSTEM	EA	17.000	0.000	17.000
	0104-9-	SEDIMENT BASIN / CONTAINMENT SYSTEM- CLEANOUT	EA	17.000	0.000	17.000
	0104-10-3	SEDIMENT BARRIER	LF	24635.000	0.000	24635.000
	0104-11-	FLOATING TURBIDITY BARRIER	LF	302.000	0.000	302.000
	0104-15-	SOIL TRACKING PREVENTION DEVICE	EA	5.000	0.000	5.000
	Δ0104-18-	INLET PROTECTION SYSTEM	EA	71.000	0.000	71.000
	0107-1-	LITTER REMOVAL	AC	547.200	0.000	547.200
	0107-2-	MOWING	AC	547.200	0.000	547.200
	Δ0110-1-	CLEARING & GRUBBING (19448515201)	LS	1.000	0.000	1.000
	0110-4-	REMOVAL OF EXISTING CONCRETE PAVEMENT	SY	1589.000	0.000	1589.000
	0110-7-1	MAILBOX, F&I SINGLE	EA	20.000	0.000	20.000
	Δ0120-1-	REGULAR EXCAVATION	CY	57947.000	0.000	57947.000
	Δ0120-6-	EMBANKMENT	CY	29907.000	0.000	29907.000
	Δ0121-70-	FLOWABLE FILL	SY	103.000	0.000	103.000
	Δ0160-4-	TYPE B STABILIZATION	SY	77934.000	0.000	77934.000
	Δ0285-701-	OPTIONAL BASE, BASE GROUP 01	SY	16438.000	0.000	16438.000
	Δ0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	43194.000	0.000	43194.000
	0286-	TURNOUT CONSTRUCTION	SY	6250.000	0.000	6250.000
	Δ0327-70-6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	4240.000	0.000	4240.000
	Δ0327-70-8	MILLING EXIST ASPH PAVT, 2 1/2" AVG DEPTH	SY	106048.000	0.000	106048.000
	Δ0334-1-14	SUPERPAVE ASPHALT CONC TRAFFIC D	TN	22124.800	0.000	22124.800
	Δ0334-1-24	SUPERPAVE ASPHALT CONC TRAFFIC D, PG76-22	TN	1807.300	0.000	1807.300
	Δ0337-1-22	ASPHALT CONCRETE FRICTION COURSE, INC BIT, FC-5, PG76-22	TN	6588.200	0.000	6588.200
	0337-7-45	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC D, FC-12 5, PG 76-22	TN	349.900	0.000	349.900
	0339-1-	MISCELLANEOUS ASPHALT PAVEMENT	TN	8.800	0.000	8.800
	0400-1-2	CONCRETE CLASS I, ENDWALLS	CY	6.000	0.000	6.000
	0400-4-11	CONC CLASS IV, RETAINING WALLS	CY	57.000	0.000	57.000
	0415-1-3	REINFORCING STEEL- RETAINING WALL	LB	6328.000	0.000	6328.000
	Δ0425-1-331	INLETS, CURB, TYPE P-3, <10'	EA	9.000	0.000	9.000
	Δ0425-1-351	INLETS, CURB, TYPE P-5, <10'	EA	23.000	0.000	23.000
	0425-1-361	INLETS, CURB, TYPE P-6, <10'	EA	2.000	0.000	2.000
	0425-1-451	INLETS, CURB, TYPE J-5, <10'	EA	6.000	0.000	6.000
	0425-1-461	INLETS, CURB, TYPE J-6, <10'	EA	1.000	0.000	1.000
	Δ0425-1-471	INLETS, CURB, TYPE 7, <10'	EA	28.000	0.000	28.000
	0425-1-521	INLETS, DT BOT, TYPE C, <10'	EA	32.000	0.000	32.000
	0425-1-541	INLETS, DT BOT, TYPE D, <10'	EA	13.000	0.000	13.000
	0425-1-543	INLETS, DITCH BOTTOM, TYPE D, J BOT, <10'	EA	2.000	0.000	2.000
	0425-1-551	INLETS, DT BOT, TYPE E, <10'	EA	9.000	0.000	9.000
	0425-1-581	INLETS, DT BOT, TYPE H, <10'	EA	4.000	0.000	4.000
	0425-1-711	INLETS, GUTTER, TYPE V, <10'	EA	1.000	0.000	1.000
	0425-2-41	MANHOLES, P-7, <10'	EA	3.000	0.000	3.000
	0425-2-61	MANHOLES, P-8, <10'	EA	8.000	0.000	8.000
	0425-2-71	MANHOLES, J-7, <10'	EA	4.000	0.000	4.000
	0425-3-43	JUNCTION BOX, DRAINAGE, P-7, PARTIAL	EA	3.000	0.000	3.000
	0430-174-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" SD	LF	239.000	0.000	239.000
	0430-174-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" SD	LF	55.000	0.000	55.000
	0430-174-218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 18" SD	LF	80.000	0.000	80.000
	0430-174-224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 24" SD	LF	46.000	0.000	46.000
	0430-175-115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15" S/CD	LF	95.000	0.000	95.000
	Δ0430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD	LF	7624.000	0.000	7624.000
	Δ0430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" S/CD	LF	2226.000	0.000	2226.000
	0430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30" S/CD	LF	1205.000	0.000	1205.000
	Δ0430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36" S/CD	LF	1460.000	0.000	1460.000
	0430-175-142	PIPE CULVERT, OPT MATERIAL, ROUND, 42" S/CD	LF	118.000	0.000	118.000
	Δ0430-175-218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER-ELLIP/ARCH, 18" S/CD	LF	323.000	0.000	323.000

REVISIONS						URS Corporation Southern 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462 Certificate of Authorization No. 00000002 Jeffrey W. Blazowski, P.E. No. 55527	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF PAY ITEMS (1)	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
5/11/11	JWB	Δ REVISED QUANTITIES.					25	HIGHLANDS	194485-1-52-01		2A

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.

DATE: 05/09/11  
 FLORIDA DEPARTMENT OF TRANSPORTATION  
 PROPOSAL SUMMARY OF PAY ITEMS  
 PAGE: 2 A0001  
 MANDIST: 01  
 PROPOSAL : T1403 LEAD PROJECT : 19448515201 COUNTY : HIGHLANDS  
 PROJECT(S): 19448515201 COUNTY/SECTION: 09030000  
 19448515602 09030000

0001 SUMMARY OF ROADWAY		PAY ITEMS CONTINUED				
ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	19448515201	19448515602	QUANTITY TOTAL
	0430-175-224	PIPE CULVERT OPTIONAL MATERIAL OTHER SHAPE-ELIP/ARCH 24" S/CD	LF	261.000	0.000	261.000
	0430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	12.000	0.000	12.000
	0430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	1.000	0.000	1.000
	0430-982-133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA	2.000	0.000	2.000
	0430-982-138	MITERED END SECTION, OPTIONAL ROUND, 36" CD	EA	2.000	0.000	2.000
	0430-982-140	MITERED END SECTION, OPTIONAL ROUND, 42" CD	EA	1.000	0.000	1.000
	0430-984-125	MITERED END SECTION, OPTIONAL ROUND, 18" SD	EA	28.000	0.000	28.000
	0430-984-129	MITERED END SECTION, OPTIONAL ROUND, 24" SD	EA	3.000	0.000	3.000

DATE: 05/09/11  
 FLORIDA DEPARTMENT OF TRANSPORTATION  
 PROPOSAL SUMMARY OF PAY ITEMS  
 PAGE: 3 A0001  
 MANDIST: 01  
 PROPOSAL : T1403 LEAD PROJECT : 19448515201 COUNTY : HIGHLANDS  
 PROJECT(S): 19448515201 COUNTY/SECTION: 09030000  
 19448515602 09030000

0001 SUMMARY OF ROADWAY		PAY ITEMS CONTINUED				
ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	19448515201	19448515602	QUANTITY TOTAL
	0430-984-625	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 18" SD	EA	7.000	0.000	7.000
	0430-984-629	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 24" SD	EA	3.000	0.000	3.000
	Δ 0436-1-1	TRENCH DRAIN, STANDARD	LF	257.000	0.000	257.000
	0515-2-301	PEDESTRIAN / BICYCLE RAILING, ALUMINUM ONLY, 42" PICKET RAIL	LF	22.000	0.000	22.000
	Δ 0520-1-7	CONCRETE CURB & GUTTER, TYPE E	LF	11762.000	0.000	11762.000
	0520-1-10	CONCRETE CURB & GUTTER, TYPE E	LF	3531.000	0.000	3531.000
	Δ 0520-5-11	TRAFFIC SEPARATOR CONCRETE-TYPE I, 4' WIDE	LF	2843.000	0.000	2843.000
	Δ 0520-5-16	TRAFFIC SEPARATOR CONCRETE-TYPE I, 8.5' WIDE	LF	4127.000	0.000	4127.000
	Δ 0520-70-	CONCRETE TRAFFIC SEPARATOR, SPECIAL-VARIABLE WIDTH	SY	180.000	0.000	180.000
	0521-1-	MEDIAN CONCRETE BARRIER WALL	LF	291.000	0.000	291.000
	0522-1-	SIDEWALK CONCRETE, 4" THICK	SY	5582.000	0.000	5582.000
	0522-2-	SIDEWALK CONCRETE, 6" THICK	SY	506.000	0.000	506.000
	0524-1-29	CONCRETE DITCH PAVEMENT, 4", REINFORCED	SY	1957.000	0.000	1957.000
	0524-3-	CONC CORE DITCH BLOCKS	CY	2.000	0.000	2.000
	0530-3-4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	76.000	0.000	76.000
	0536-1-1	GUARDRAIL-ROADWAY	LF	190.000	0.000	190.000
	0536-82-	GUARDRAIL ANCHORAGE- CONCRETE BARRIER WALL	EA	1.000	0.000	1.000
	0536-85-22	GUARDRAIL END ANCHORAGE ASSEMBLY- FLARED	EA	1.000	0.000	1.000
	0550-10-220	FENCING, TYPE B, 5'-1'-6'-0", STANDARD	LF	3452.000	0.000	3452.000
	0550-60-234	FENCE GATE, TYPE B, SLIDING/CANTILEVER, 18.1-20.0' OPENING	EA	3.000	0.000	3.000
	0555-1-1	DIRECTIONAL BORE, LESS THAN 6"	LF	115.000	0.000	115.000
	Δ 0570-1-2	PERFORMANCE TURF, SOD	SY	158226.000	0.000	158226.000
	0571-1-12	PLASTIC EROSION MAT, TRM, TYPE 2	SY	524.000	0.000	524.000
	0710-11-111	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID 6"	NM	13.012	0.000	13.012
	0710-11-122	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID 8"	LF	2066.000	0.000	2066.000
	0710-11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID 24"	LF	230.000	0.000	230.000
	0710-11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP 6"	GM	10.764	0.000	10.764
	0710-11-151	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, DOTTED /GUIDELINE/ 6-10 GAP EXTENSION, 6"	LF	2758.000	0.000	2758.000
	0710-11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE	EA	4.000	0.000	4.000
	0710-11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	104.000	0.000	104.000

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	Δ REVISED QUANTITIES.			

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

SUMMARY OF PAY ITEMS (2)		SHEET NO.
		2B

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.

DATE: 05/09/11  
 PROPOSAL : T1403 LEAD PROJECT : 19448515201 COUNTY : HIGHLANDS  
 PROJECT(S): 19448515201 COUNTY/SECTION: 09030000  
 19448515602 09030000

FLORIDA DEPARTMENT OF TRANSPORTATION  
 PROPOSAL SUMMARY OF PAY ITEMS

PAGE: 4 A0001

MANDIST: 01

0001 SUMMARY OF ROADWAY		PAY ITEMS CONTINUED				
ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	19448515201	19448515602	QUANTITY TOTAL
	0710-11-211	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID 6"	NM	9.406	0.000	9.406
	0710-11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID 18"	LF	220.000	0.000	220.000
	0710-11-251	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, DOTTED/GUIDELINE/6-10 GAP EXTENSION, 6"	LF	4758.000	0.000	4758.000
	0999-16-	PARTNERING DO NOT BID	LS	1.000	0.000	1.000
	0999-20-	DISPUTES REVIEW BOARD, DO NOT BID	LS	14.000	0.000	14.000
	0999-25-	INITIAL CONTINGENCY AMOUNT; DO NOT BID	LS	1.000 N	0.000	1.000

DATE: 05/09/11  
 PROPOSAL : T1403 LEAD PROJECT : 19448515201 COUNTY : HIGHLANDS  
 PROJECT(S): 19448515201 COUNTY/SECTION: 09030000  
 19448515602 09030000

FLORIDA DEPARTMENT OF TRANSPORTATION  
 PROPOSAL SUMMARY OF PAY ITEMS

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MANDIST: 01

0002 SUMMARY OF SIGNING		PAY ITEMS				
ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	19448515201	19448515602	QUANTITY TOTAL
Δ	0700-20-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	AS	75.000	0.000	75.000
	0700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	AS	41.000	0.000	41.000
	0700-20-13	SINGLE POST SIGN, F&I, 20 + BACK TO BACK SF	AS	2.000	0.000	2.000
	0700-20-14	SINGLE POST SIGN, F&I, 21-30 SF	AS	1.000	0.000	1.000
	0700-20-40	SINGLE POST SIGN, RELOCATE	AS	38.000	0.000	38.000
Δ	0700-20-60	SINGLE POST SIGN, REMOVE	AS	172.000	0.000	172.000
	0700-21-11	MULTI- POST SIGN, F&I, 50 SF OR LESS	AS	2.000	0.000	2.000
	0700-21-60	MULTI- POST SIGN, REMOVE	AS	3.000	0.000	3.000
	0700-48-48	SIGN PANELS RELOCATE, 15 OR <	EA	2.000	0.000	2.000
	0700-48-60	SIGN PANELS REMOVE	EA	2.000	0.000	2.000
	0705-10-1	OBJECT MARKER, TYPE 1	EA	6.000	0.000	6.000
Δ	0705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA	37.000	0.000	37.000
Δ	0710-11-190	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ISLAND NOSE	SF	24.900	0.000	24.900
Δ	0710-11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLANDNOSE	SF	436.300	0.000	436.300
	0710-90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE (19448515201)	LS	1.000	0.000	1.000

DATE: 05/09/11  
 PROPOSAL : T1403 LEAD PROJECT : 19448515201 COUNTY : HIGHLANDS  
 PROJECT(S): 19448515201 COUNTY/SECTION: 09030000  
 19448515602 09030000

FLORIDA DEPARTMENT OF TRANSPORTATION  
 PROPOSAL SUMMARY OF PAY ITEMS

PAGE: 6 A0003

MANDIST: 01

0003 SUMMARY OF LIGHTING		PAY ITEMS				
ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	19448515201	19448515602	QUANTITY TOTAL
	0555-1-1	DIRECTIONAL BORE, LESS THAN 6"	LF	528.000	0.000	528.000
	0715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	67394.000	0.000	67394.000
	0715-1-13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	LF	25735.000	0.000	25735.000
	0715-1-60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOROWNS	LF	5470.000	0.000	5470.000
	0715-2-11	LIGHTING - CONDUIT, F&I, UNDERGROUND	LF	28378.000	0.000	28378.000
	0715-4-122	LIGHT POLE COMPLETE, F&I, WIND SPEED 130, POLE HEIGHT 45'	EA	120.000	0.000	120.000
	0715-4-600	LIGHT POLE COMPLETE, REMOVE	EA	28.000	0.000	28.000
	0715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	2.000	0.000	2.000
	0715-7-21	LOAD CENTER, REWORK, SECONDARY VOLTAGE	EA	1.000	0.000	1.000
Δ	0715-14-11	LIGHTING - PULL BOX, F&I, ROADSIDE-MOULDED	EA	150.000	0.000	150.000
	0715-500-1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	120.000	0.000	120.000

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	Δ REVISED QUANTITIES.			

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**SUMMARY OF PAY ITEMS (3)**

SHEET NO.  
2C

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0004 SUMMARY OF SIGNALIZATION			PAY ITEMS			
ALT	ITEM NUMBER	ITEM DESCRIPTION	UN IT	19448515201	19448515602	QUANTITY TOTAL
	0555-1-2	DIRECTIONAL BORE, 6" TO < 12"	LF	438.000	0.000	438.000
	0630-1-12	CONDUIT - SIGNALS, FURNISH & INSTALL, UNDERGROUND	LF	405.000	0.000	405.000
	0632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	PI	1.000	0.000	1.000
	0634-4-153	SPAN WIRE ASSEMBLY, F&I, TWO POINT, BOX	PI	1.000	0.000	1.000
	0635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	EA	18.000	0.000	18.000
	0639-1-12	SIGNALS, ELECTRICAL POWER SERVICE, OVERHEAD, METER FURNISHED BY CONTRACTOR	AS	1.000	0.000	1.000
	0639-2-1	SIGNALS, ELECTRICAL SERVICE WIRE	LF	50.000	0.000	50.000
	0641-2-18	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VIII	EA	4.000	0.000	4.000
	0650-51-311	TRAFFIC SIGNAL, F&I, 3 SECTION, 1 WAY, STANDARD	AS	18.000	0.000	18.000
	0653-191-	PEDESTRIAN SIGNAL, F&I, LED - COUNT DOWN, 1 DIRECTION	AS	6.000	0.000	6.000
	0653-192-	PEDESTRIAN SIGNAL, F&I, LED - COUNT DOWN, 2 DIRECTIONS	AS	1.000	0.000	1.000
	0659-101-	SIGNAL HEAD AUXILIARIES, F&I, BACK PLATES 3 SECT	EA	18.000	0.000	18.000
	0659-107-	SIGNAL HEAD AUXILIARIES, F&I, ALUMINUM PEDESTAL	EA	7.000	0.000	7.000
	0660-1-103	LOOP DETECTOR, INDUCTIVE, F&I, TYPE 3	EA	6.000	0.000	6.000
	0660-1-104	LOOP DETECTOR, INDUCTIVE, F&I, TYPE 4, 2CHANNEL, SOLIDSTATE SHELF MOUNTED TIME DELAY	EA	1.000	0.000	1.000
	0660-2-102	LOOP ASSEMBLY, F&I, TYPE B	AS	6.000	0.000	6.000
	0660-2-106	LOOP ASSEMBLY, F&I, TYPE F	AS	7.000	0.000	7.000
	0665-11-	PEDESTRIAN DETECTOR, F&I, POLE OR CONTROLLER CABINET MOUNTED DETECTOR STATION & SIGN	EA	8.000	0.000	8.000
	0670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS	1.000	0.000	1.000
	0685-106-	SYSTEM AUXILIARIES, F&I, UNINTERRUPTIBLE POWER SOURCE	EA	1.000	0.000	1.000
	0690-10-	SIGNAL HEAD TRAFFIC ASSEMBLY REMOVAL	EA	8.000	0.000	8.000
	0690-34-1	COMPLETE POLE REMOVAL- DEEP, DIRECT BURIAL	EA	4.000	0.000	4.000
	0690-50-	CONTROLLER ASSEMBLY, REMOVE, COMPLETE ASSEMBLY	EA	1.000	0.000	1.000
	0690-80-	SPAN WIRE ASSEMBLY, REMOVE	EA	1.000	0.000	1.000
	0690-90-	CONDUIT & CABLING REMOVE	PI	1.000	0.000	1.000
	0690-100-	SIGNAL EQUIPMENT MISCELLANEOUS REMOVE	PI	1.000	0.000	1.000
	0699-1-1	INTERNAL ILLUM SIGN, FURNISH & INSTALL, STREET NAME	EA	4.000	0.000	4.000

0005 SUMMARY OF UTILITIES			PAY ITEMS			
ALT	ITEM NUMBER	ITEM DESCRIPTION	UN IT	19448515201	19448515602	QUANTITY TOTAL
	0999-25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (19448515602)	LS	0.000	1.000	1.000
	Δ 0425-5-1	MANHOLE ADJUST, UTILITIES	EA	0.000	5.000	5.000
T	1050-11-222	UTILITY PIPE, F&I, PVC, WATER / SEWER, 2 - 4.9"	LF	0.000	5.000	5.000
T	1050-11-223	UTILITY PIPE, F&I, PVC, WATER / SEWER, 5 - 7.9"	LF	0.000	329.000	329.000
T	Δ 1050-11-224	UTILITY PIPE, F&I, PVC, WATER / SEWER, 8 - 19.9"	LF	0.000	1981.000	1981.000
T	1050-16-003	UTILITY PIPE REMOVE & DISPOSE, 5-7.9"	LF	0.000	291.000	291.000
T	1050-16-004	UTILITY PIPE REMOVE & DISPOSE, 8-19.9"	LF	0.000	2798.000	2798.000
T	Δ 1050-18-004	UTILITY PIPE PLUG & PLACE OUT OF SERVICE, 8-19.9"	LF	0.000	191.000	191.000
T	Δ 1055-11-414	UTILITY FITTINGS, F&I, DI/CI, ELBOW, 8 - 19.9"	EA	0.000	64.000	64.000
T	1055-11-424	UTILITY FITTINGS, F&I, DI/CI, TEE, 8 - 19.9"	EA	0.000	5.000	5.000
T	1055-11-454	UTILITY FITTINGS, F&I, DI/CI, CAP/PLUG, 8 - 19.9"	EA	0.000	3.000	3.000
T	1080-11-301	UTILITY FIXTURES, F&I, 5.0 - 7.9", VALVE/METER BOX	EA	0.000	5.000	5.000
T	1080-11-304	UTILITY FIXTURES, F&I, 5.0 - 7.9", VALVE ASSEMBLY	EA	0.000	5.000	5.000
T	1080-11-401	UTILITY FIXTURES, F&I, 8.0 - 19.9", VALVE METER BOX	EA	0.000	4.000	4.000
T	1080-11-404	UTILITY FIXTURES, F&I, 8.0-19.9", VALVE ASSEMBLY	EA	0.000	4.000	4.000
T	Δ 1644-800-	FIRE HYDRANT, RELOCATE	EA	0.000	3.000	3.000

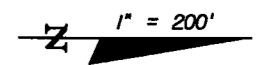
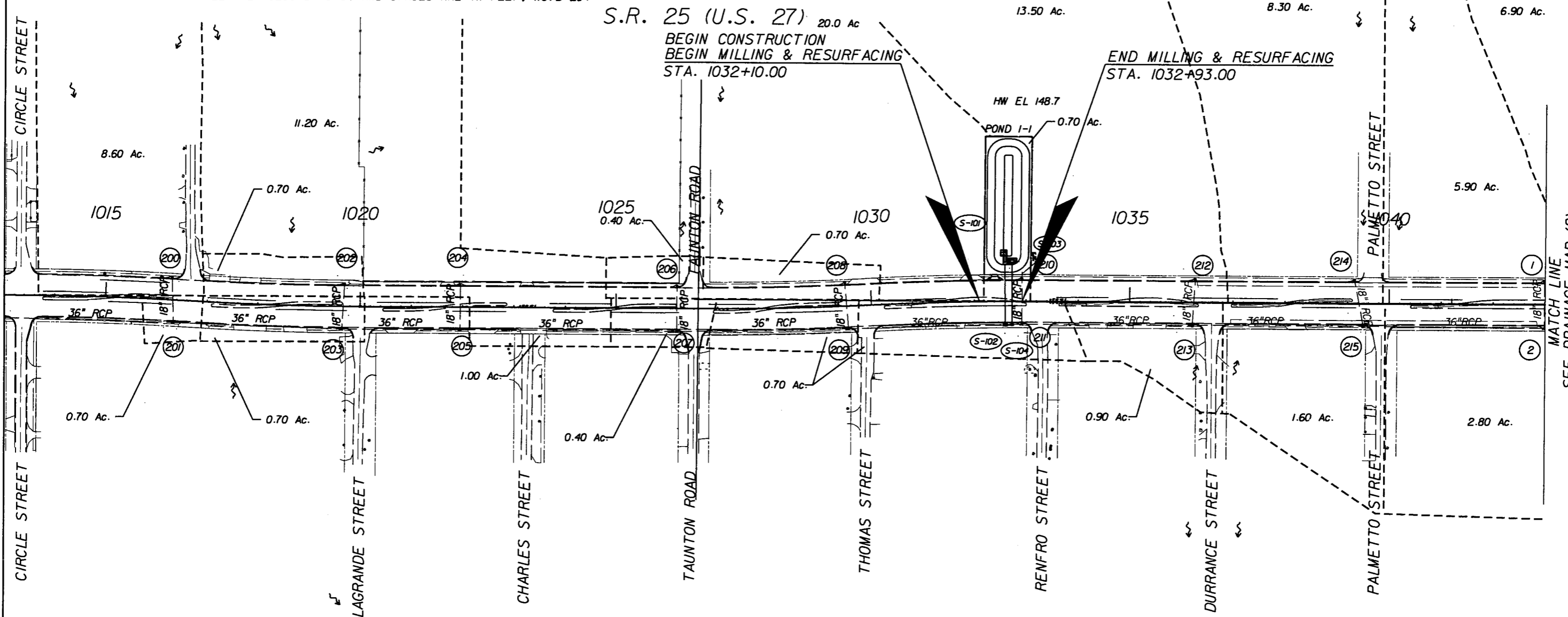
<b>REVISIONS</b> DATE BY DESCRIPTION 5/11/11 JWB Δ REVISED QUANTITIES.		URS Corporation Southern 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462 Certificate of Authorization No. 00000002 Jeffrey W. Blazowski, P.E. No. 55527	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID 25 HIGHLANDS 194485-1-52-01	SUMMARY OF PAY ITEMS (4) SHEET NO. 2D
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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

### FLOOD DATA

STATION	DESIGN FLOOD		BASE FLOOD		OVERTOPPING FLOOD				GREATEST FLOOD			
	2% PROB.	50 YR.FREQ.	1% PROB.	100 YR.FREQ.	DISCHARGE	STAGE	PROB. %	FREQ. YR.	DISCHARGE	STAGE	PROB. %	FREQ. YR.
	DISCHARGE	STAGE	DISCHARGE	STAGE								
1093+00	14.50	115.60	16.20	115.70	N/A	N/A	N/A	N/A	19.50	116.10	0.2	500
1107+30	36.00	108.30	42.00	108.30	N/A	N/A	N/A	N/A	72.00	109.00	0.2	500

NOTE: THE HYDRAULIC DATA IS SHOWN FOR INFORMATIONAL PURPOSES ONLY, TO INDICATE THE FLOOD DISCHARGES AND WATER SURFACE ELEVATIONS WHICH MAY BE ANTICIPATED IN ANY GIVEN YEAR. THIS DATA WAS GENERATED USING HIGHLY VARIABLE FACTORS DETERMINED BY A STUDY OF THE WATERSHED. MANY JUDGMENTS AND ASSUMPTIONS ARE REQUIRED TO ESTABLISH THESE FACTORS. THE RESULTANT HYDRAULIC DATA IS SENSITIVE TO CHANGES, PARTICULARLY OF ANTECEDENT CONDITIONS, URBANIZATION, CHANNELIZATION AND LAND USE. USERS OF THIS DATA ARE CAUTIONED AGAINST THE ASSUMPTION OF PRECISION WHICH CAN NOT BE ATTAINED. DISCHARGES ARE IN CUBIC FEET PER SECOND (CFS) AND STAGES ARE IN FEET, NGVD 29.



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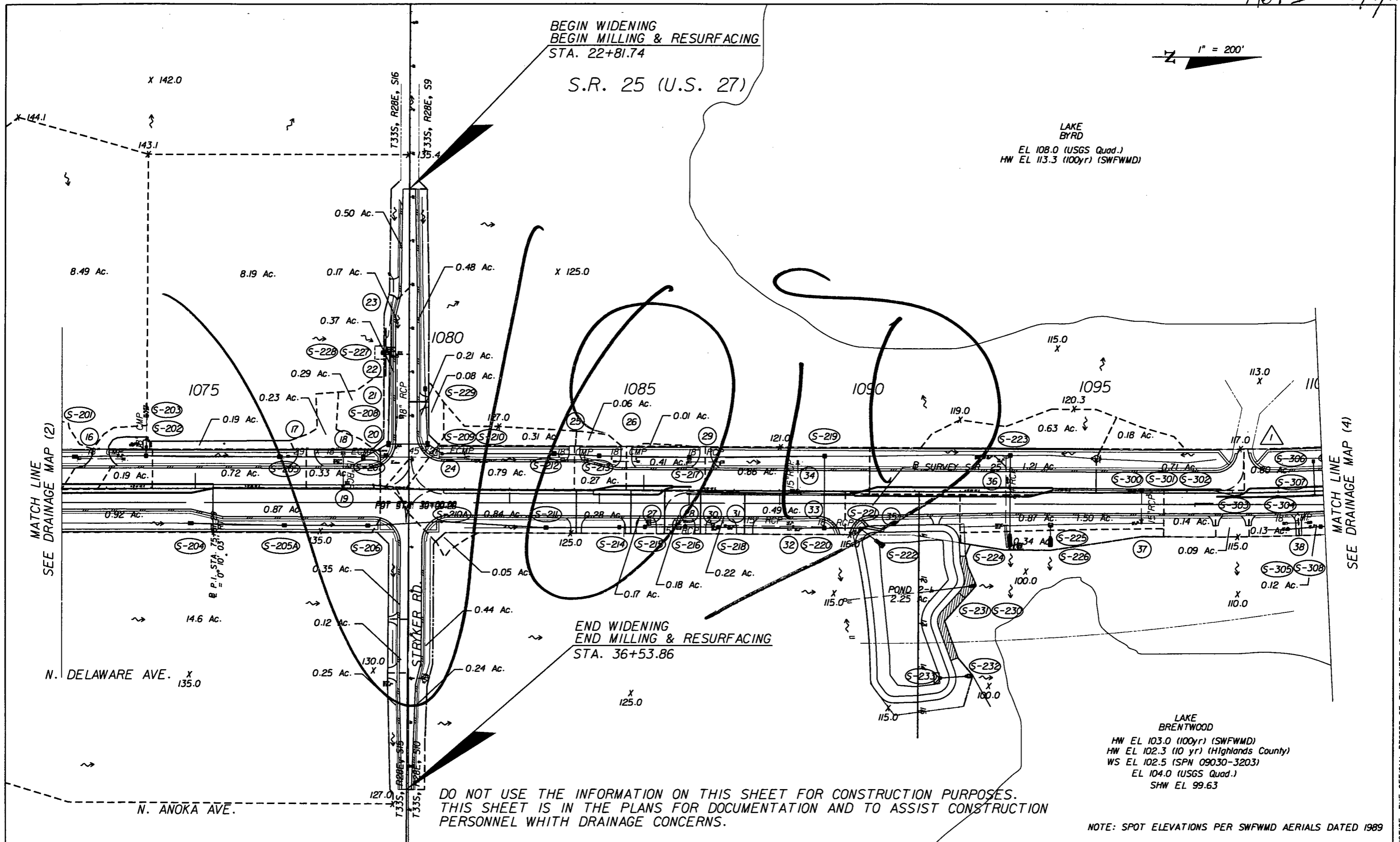
NOTE: SPOT ELEVATIONS PER SWFWMD AERIALS DATED 1989

REVISIONS						Fuller, Davis & Associates, Inc. 5525 W. CYPRESS ST. - SUITE 300 TAMPA, FLORIDA 33607-1707 CERTIFICATE OF AUTHORIZATION NO.: 5864 DEBORAH L. KNIGHTON, P.E. NO.: 43920	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>DRAINAGE MAP (1)</b> SHEET NO. 3
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						25	HIGHLANDS	194485-1-52-01		

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NOTE: SPOT ELEVATIONS PER SWFWMD AERIALS DATED 1989

REVISIONS		REVISIONS		DESCRIPTION	DATE	BY	DESCRIPTION
DATE	BY	DATE	BY				
5-11-11	DK			1 DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS			

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

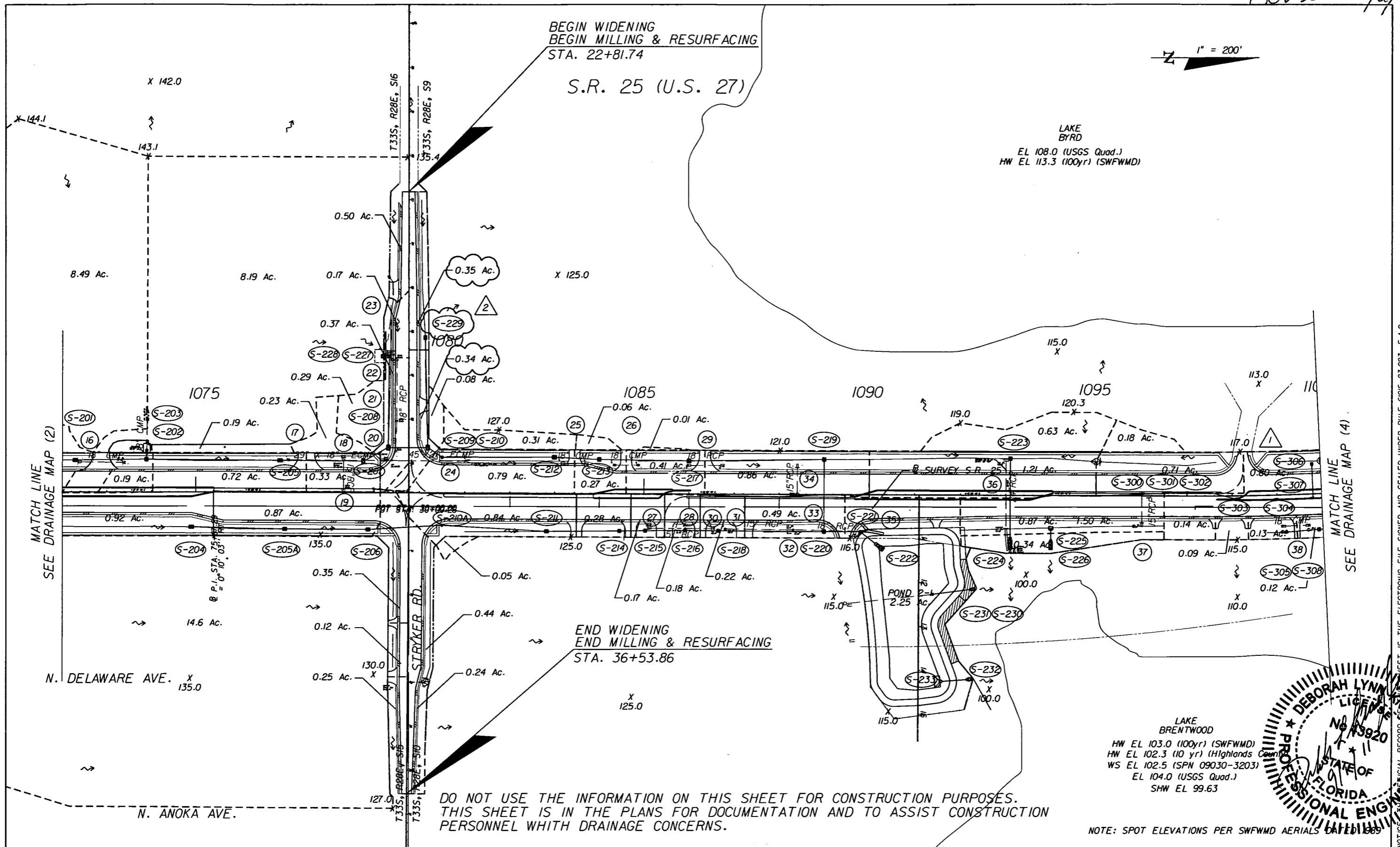
**DRAINAGE MAP (3)**

SHEET NO.  
5

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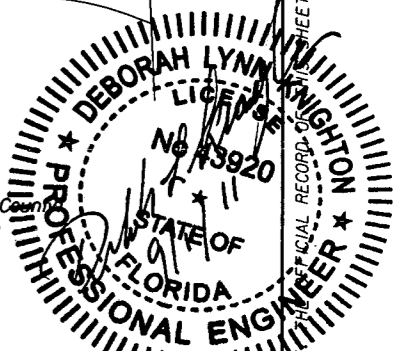
Rev 2 9/6/11

1" = 200'



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LAKE BRENTWOOD  
 HW EL 103.0 (100yr) (SWFWMD)  
 HW EL 102.3 (10 yr) (Highlands County)  
 WS EL 102.5 (SPN 09030-3203)  
 EL 104.0 (USGS Quad.)  
 SHW EL 99.63



NOTE: SPOT ELEVATIONS PER SWFWMD AERIALS

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	1 DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS	9-6-11	DK	2 SHIFTED S-229 WEST AND MODIFIED DITCHES TO ACCOMMODATE REVISED DRIVEWAY

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

DRAINAGE MAP (3)

SHEET NO.  
5

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Box 1 5/11/11

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 THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION  
 PERSONNEL WITH DRAINAGE CONCERNS.

S.R. 25 (U.S. 27)

1" = 200'

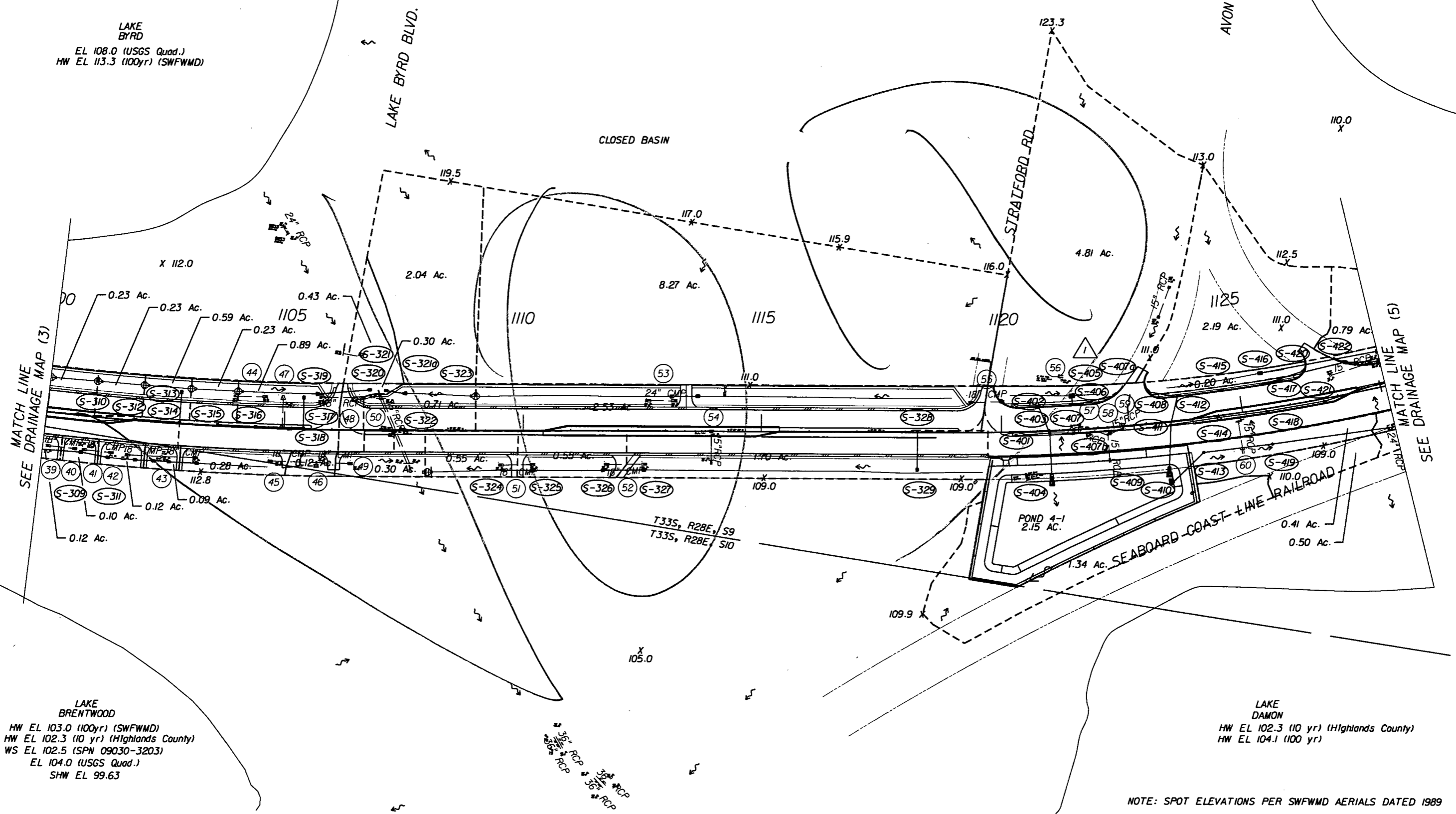
LAKE LILLIAN  
 HW EL 112.0 (SPN 09030-3203)  
 EL 106.0 (USGS Quad.)

LAKE BYRD  
 EL 108.0 (USGS Quad.)  
 HW EL 113.3 (SWFWMD)

AVON BLVD.

LAKE BYRD BLVD.

STRAITFORD RD.



MATCH LINE  
 SEE DRAINAGE MAP (3)

MATCH LINE  
 SEE DRAINAGE MAP (5)

LAKE BRENTWOOD  
 HW EL 103.0 (100yr) (SWFWMD)  
 HW EL 102.3 (10 yr) (Highlands County)  
 WS EL 102.5 (SPN 09030-3203)  
 EL 104.0 (USGS Quad.)  
 SHW EL 99.63

LAKE DAMON  
 HW EL 102.3 (10 yr) (Highlands County)  
 HW EL 104.1 (100 yr)

NOTE: SPOT ELEVATIONS PER SWFWMD AERIALS DATED 1989

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	1 DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS			

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

DRAINAGE MAP (4)

SHEET NO.
6

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S.R. 25 (U.S. 27)

1" = 200'

LAKE LILLIAN  
HW EL 112.0 (SPN 09030-3203)  
EL 106.0 (USGS Quad.)

LAKE BYRD  
EL 108.0 (USGS Quad.)  
HW EL 113.3 (100yr) (SWFWMD)

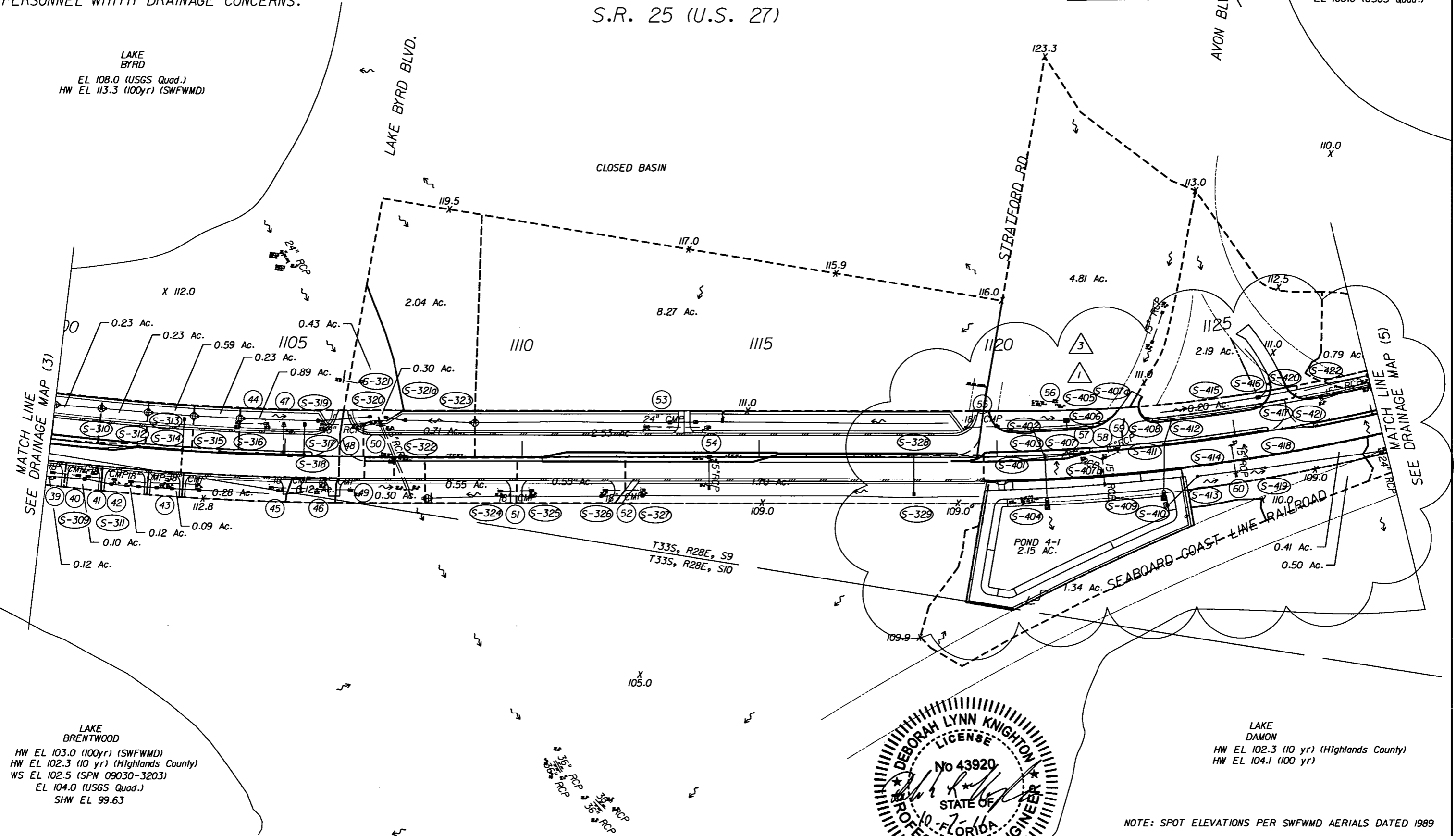
AVON BLVD

LAKE BYRD BLVD.

CLOSED BASIN

STRAITFORD RD.

SEABOARD COAST-LINE RAILROAD

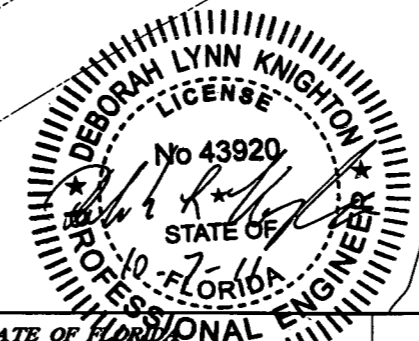


MATCH LINE SEE DRAINAGE MAP (3)

MATCH LINE (5) SEE DRAINAGE MAP

LAKE BRENTWOOD  
HW EL 103.0 (100yr) (SWFWMD)  
HW EL 102.3 (10 yr) (Highlands County)  
WS EL 102.5 (SPN 09030-3203)  
EL 104.0 (USGS Quad.)  
SHW EL 99.63

LAKE DAMON  
HW EL 102.3 (10 yr) (Highlands County)  
HW EL 104.1 (100 yr)



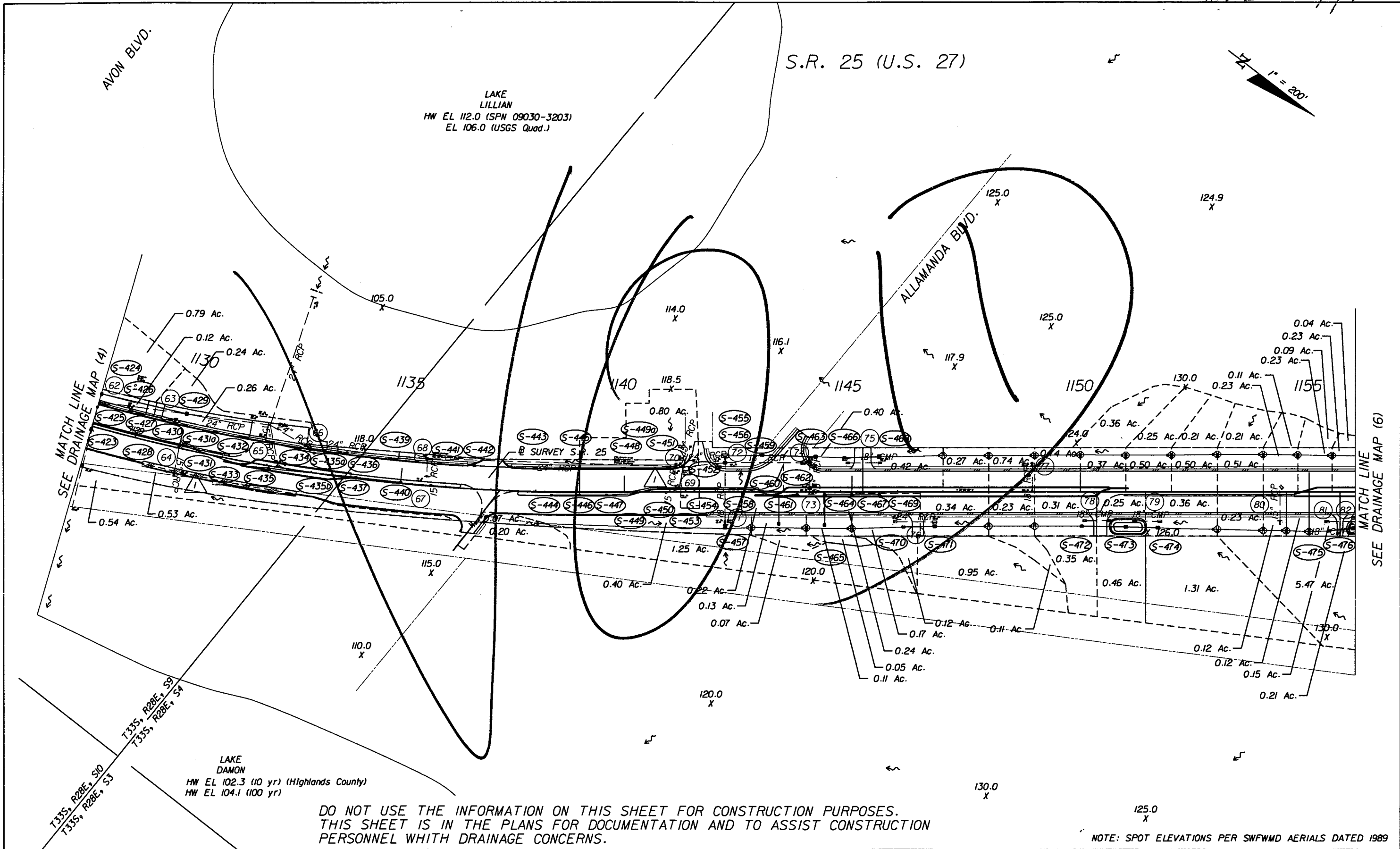
NOTE: SPOT ELEVATIONS PER SWFWMD AERIALS DATED 1989

REVISIONS						Faller, Davis & Associates, Inc. 5525 W. CYPRESS ST. - SUITE 300 TAMPA, FLORIDA 33607-1707 CERTIFICATE OF AUTHORIZATION NO.: 5864 DEBORAH L. KNIGHTON, P.E. NO.: 43920	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 6
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
5-11-11	DK	1 DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS	10-7-11	DK	3 DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS	25	HIGHLANDS	194485-1-52-01		

DRAINAGE MAP (4)

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Rev 1 5/11/11



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	1 DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS			

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

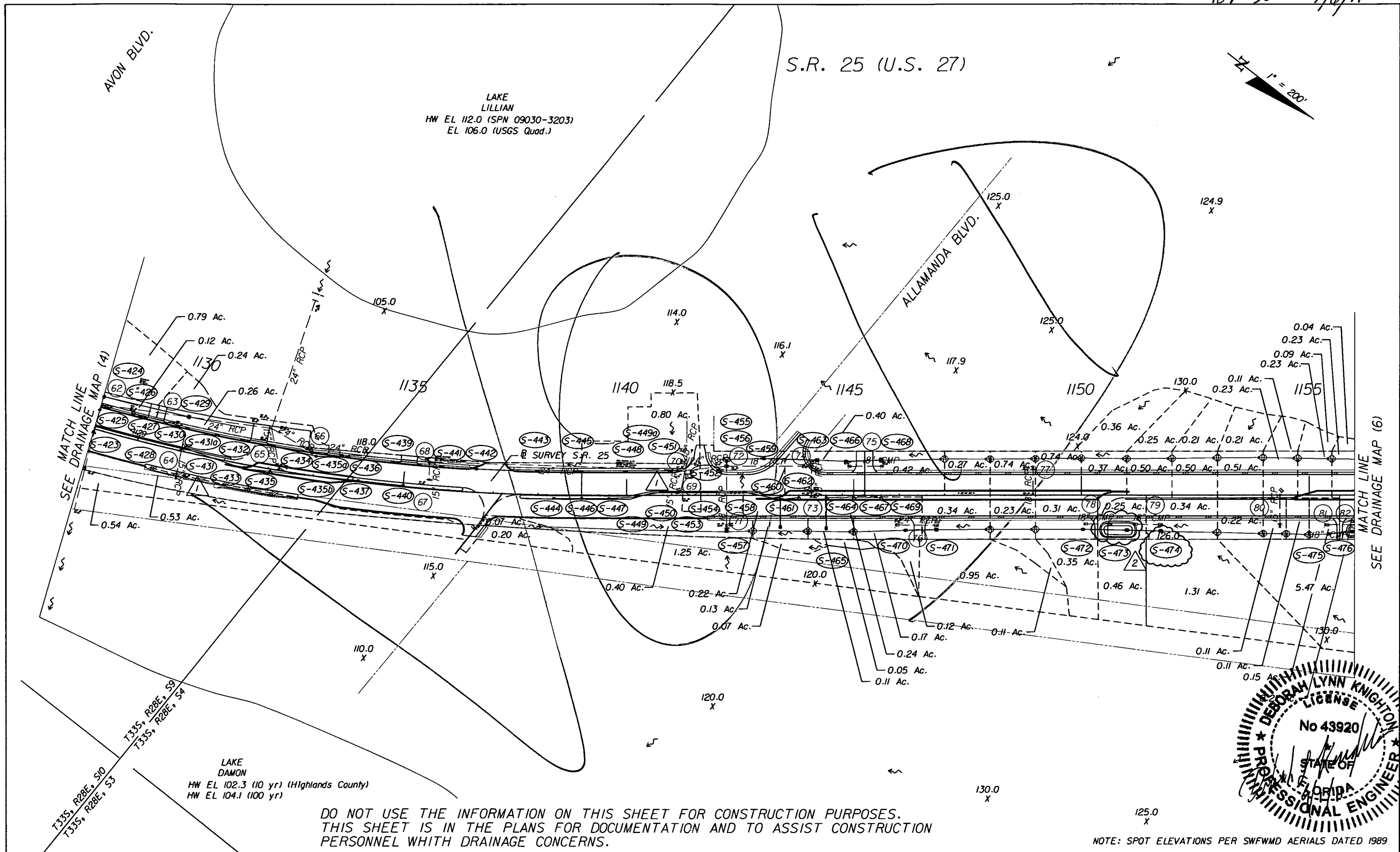
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE MAP (5)</b>		SHEET NO. 7
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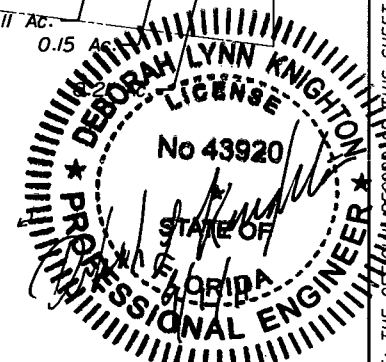


Rev 2 9/16/11



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NOTE: SPOT ELEVATIONS PER SWFWMD AERIALS DATED 1989



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	1 DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS	9-6-11	DK	2 SHIFTED P 4-7 SOUTH AND S-474 NORTH TO ACCOMMODATE REVISED DRIVEWAY

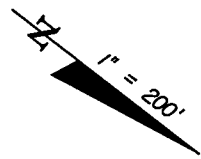
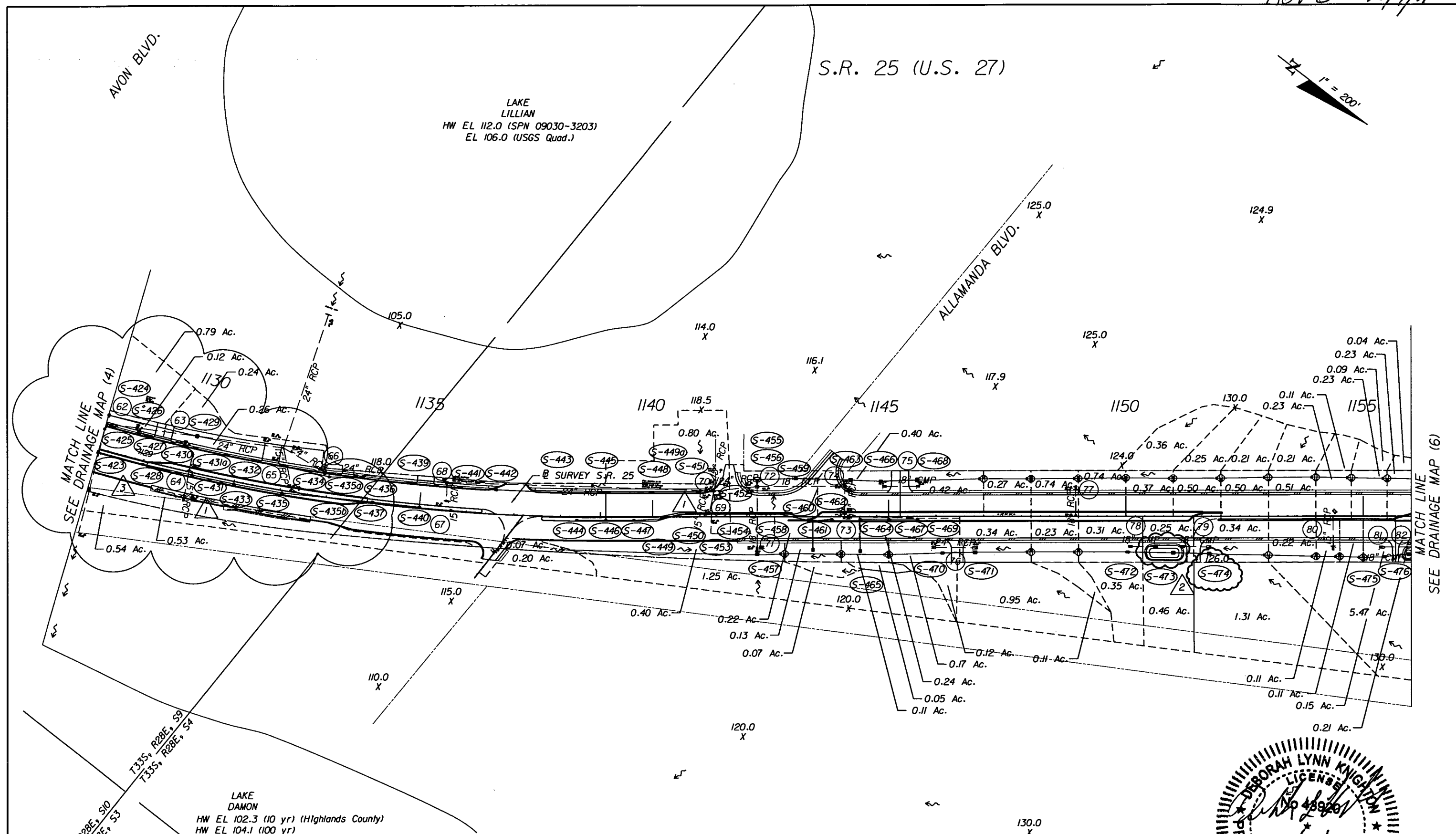
Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

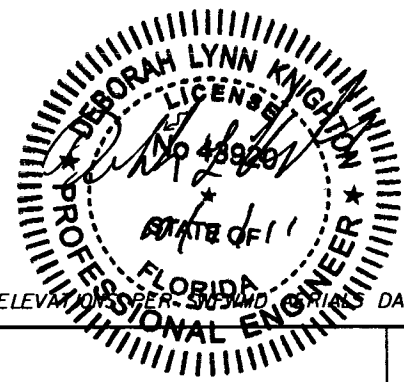
**DRAINAGE MAP (5)**

SHEET NO.  
7

Rev 3 10/17/11



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 PERSONNEL WITH DRAINAGE CONCERNS.



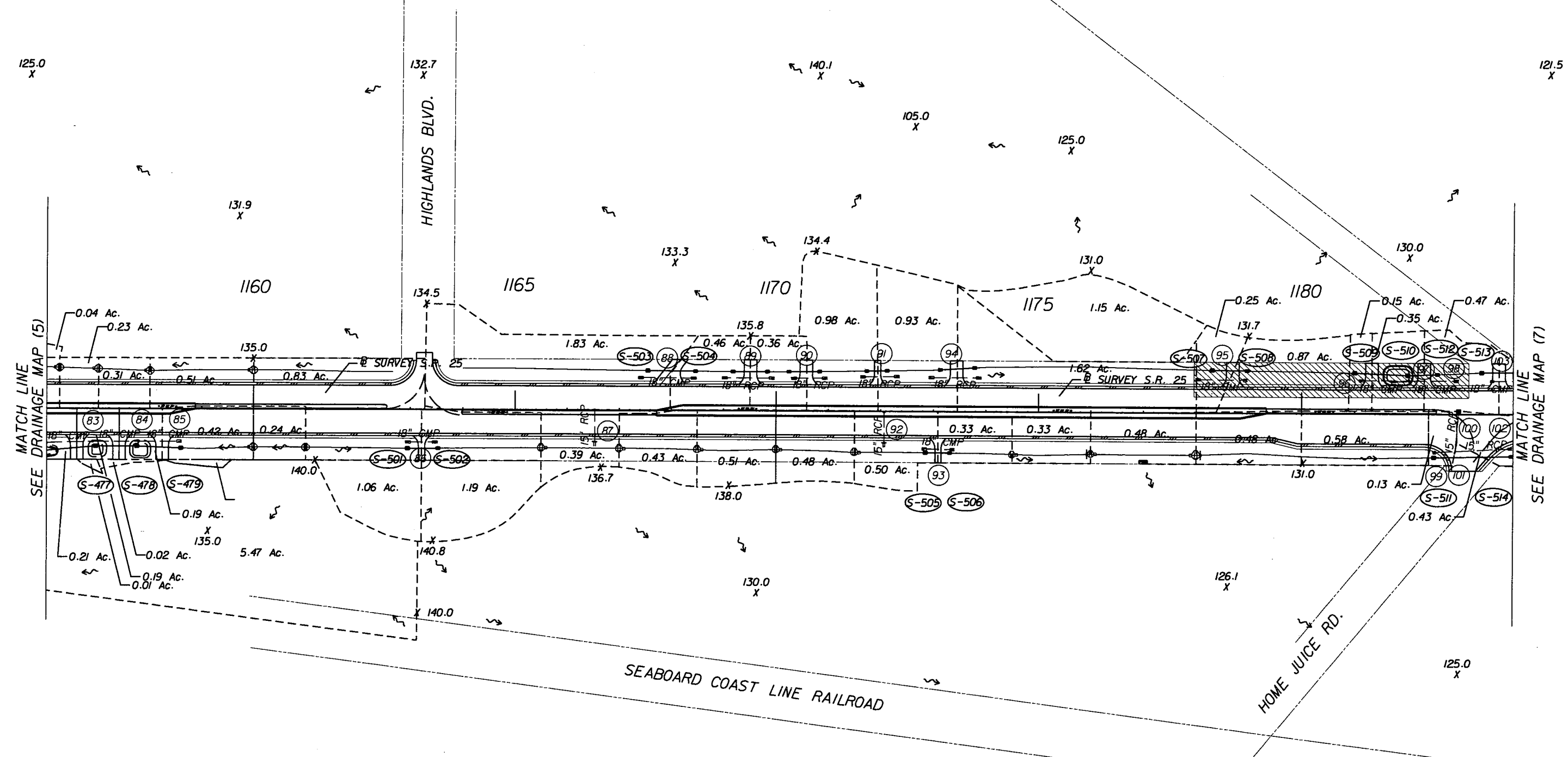
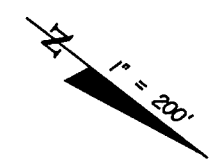
NOTE: SPOT ELEVATIONS PER SURVEY DATED 1989

REVISIONS			DESCRIPTION			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
5-11-11	DK	1 DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS	9-6-11	DK	2 SHIFTED P 4-7 SOUTH AND S-474 NORTH TO ACCOMMODATE REVISED DRIVEWAY DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS	25	HIGHLANDS	194485-1-52-01	7
			10-7-11	DK	3				

Faller Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

S.R. 25 (U.S. 27)



DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES.  
 THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION  
 PERSONNEL WITH DRAINAGE CONCERNS.

NOTE: SPOT ELEVATIONS PER SWFWMD AERIALS DATED 1989

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE MAP (6)**

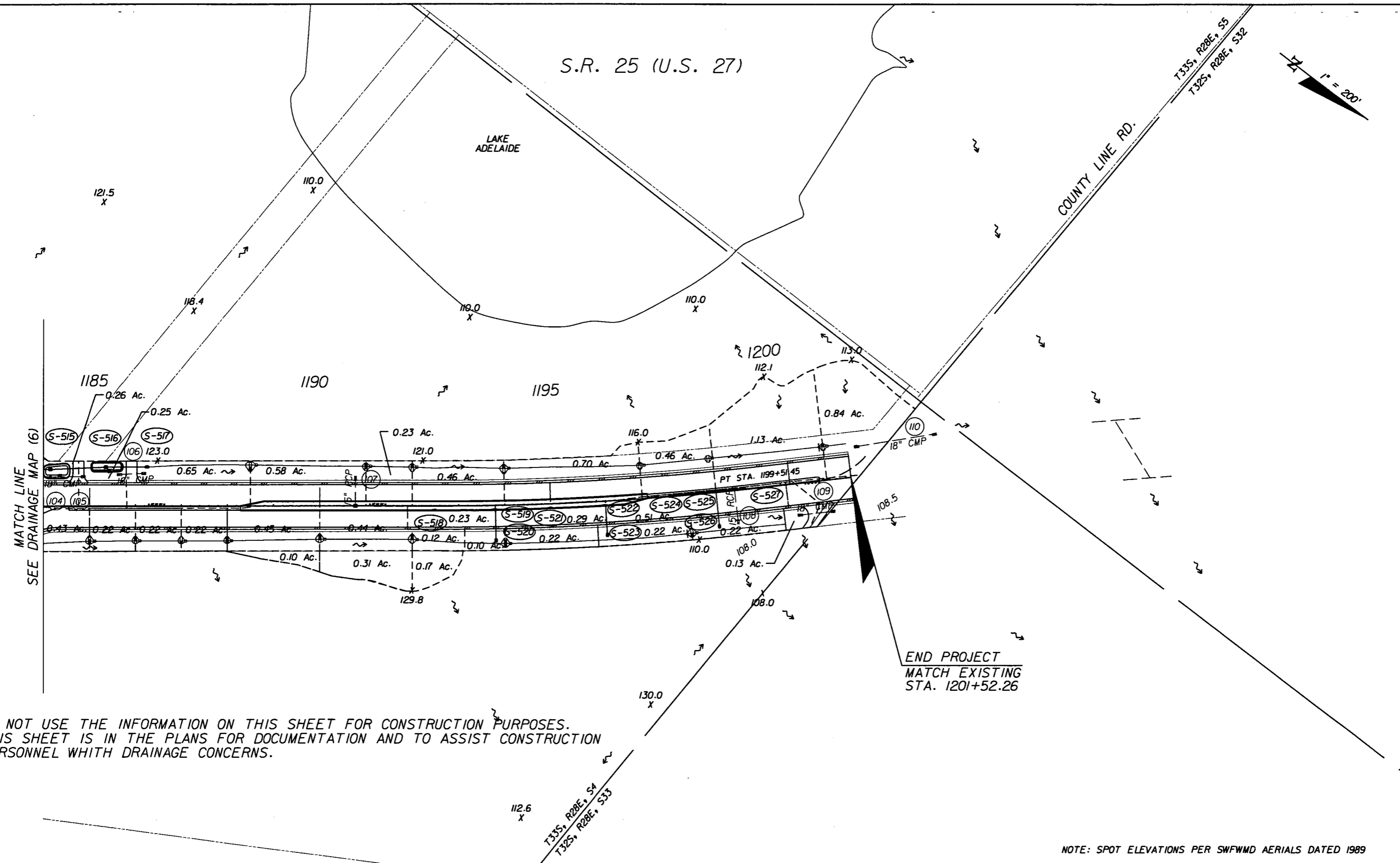
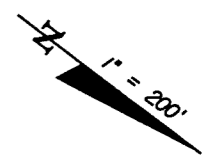
SHEET NO.  
8

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.

S.R. 25 (U.S. 27)

LAKE ADELAIDE

COUNTY LINE RD.



DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

NOTE: SPOT ELEVATIONS PER SWFWMD AERIALS DATED 1989

REVISIONS						Fuller, Davis & Associates, Inc. 5525 W. CYPRESS ST. - SUITE 300 TAMPA, FLORIDA 33607-1707 CERTIFICATE OF AUTHORIZATION NO.: 5864 DEBORAH L. KNIGHTON, P.E. NO.: 43920	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  9
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							25	HIGHLANDS	194485-1-52-01	

**DRAINAGE MAP (7)**

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

- 1 STA. 42+98.2, (LT.) CURB INLET FL 137.39
- 2 STA. 42+98.2, (RT.) CURB INLET FL 134.92
- 3 STA. 46+10.0, (RT.) CURB INLET FL 130.82
- 4 STA. 46+24.7, (LT.) CURB INLET FL 133.85
- 5 STA. 49+50.3, (LT.) CURB INLET FL 132.62
- 6 STA. 49+50.3, (RT.) CURB INLET FL 128.27
- 7 STA. 52+68.5, (LT.) CURB INLET FL 132.65
- 8 STA. 52+83.7, (RT.) CURB INLET FL 127.90
- 9 STA. 53+35.1, (LT.) CURB INLET FL 131.65
- 10 STA. 53+49.8, (RT.) CURB INLET FL 131.89
- 11 STA. 56+99.4, (RT.) DITCH BOTTOM INLET FL 135.68
- 12 STA. 57+01.4, (LT.) DITCH BOTTOM INLET FL 135.72
- 13 STA. 71+12.4, (RT.) DITCH BOTTOM INLET FL 139.12
- 14 STA. 71+40.6, (RT.) MANHOLE FL 139.01
- 15 STA. 71+40.6, (LT.) CATCH BASIN FL 138.59
- 16 STA. 72+34.7, (LT.) MES, PIPE, MES FL 137.62 (S) FL 137.22 (N)
- 17 STA. 77+03.9, (LT.) MES FL 132.49
- 18 STA. 78+30.5, (LT.) DITCH BOTTOM INLET FL 130.91
- 19 STA. 78+30.5, (LT.) DITCH BOTTOM INLET FL 131.80
- 20 STA. 79+38.2, (LT.) DITCH BOTTOM INLET FL 128.69
- 21 STA. 79+46.9, (LT.) DITCH BOTTOM INLET FL 129.10
- 22 STA. 79+49.6, (LT.) DITCH BOTTOM INLET FL 129.10
- 23 STA. 79+49.2, (LT.) DITCH BOTTOM INLET FL 130.06
- 24 STA. 81+11.0, (LT.) MES FL 127.59
- 25 STA. 83+13.9, (LT.) MES, PIPE, MES FL 125.58 (S) FL 124.92 (N)
- 26 STA. 84+31.8, (LT.) MES, PIPE, MES FL 123.79 (S) FL 123.06 (N)
- 27 STA. 85+07.6, (RT.) MES FL 122.18
- 28 STA. 85+91.9, (RT.) DITCH BOTTOM INLET FL 121.09 (S) FL 121.12 (N)
- 29 STA. 85+95.8, (LT.) MES, PIPE, MES FL 121.08 (S) FL 119.97 (N)
- 30 STA. 86+58.0, (RT.) MES FL 120.52
- 31 STA. 86+77.3, (RT.) MES FL 120.51
- 32 STA. 88+30.7, (RT.) DITCH BOTTOM INLET FL 118.77 (S) FL 118.92 (N)
- 33 STA. 88+40.0, (RT.) DITCH BOTTOM INLET FL 117.88
- 34 STA. 88+40.0, (RT.) U-ENDWALL FL 117.57
- 35 STA. 89+84.9, (RT.) MES FL 116.94
- 36 STA. 93+00.0, (LT. & RT.) EW, PIPE, EW FL 112.20 (E) FL 113.55 (W)
- 37 STA. 96+00.0, (LT. & RT.) MES, PIPE, MES FL 114.24 (E) FL 114.17 (W)
- 38 STA. 99+08.0, (RT.) MES, PIPE, MES FL 113.66 (S) FL 113.32 (N)
- 39 STA. 100+07.4, (RT.) MES, PIPE, MES FL 112.34 (S) FL 112.12 (N)
- 40 STA. 100+83.5, (RT.) MES, PIPE, MES FL 111.82 (S) FL 111.71 (N)
- 41 STA. 101+74.5, (RT.) MES FL 111.09
- 42 STA. 102+50.6, (RT.) DITCH BOTTOM INLET FL 111.07 (S) FL 110.93 (N)
- 43 STA. 103+25.7, (RT.) MES FL 111.03
- 44 STA. 103+90.3, (LT.) MES, PIPE, MES FL 108.68 (S) FL 108.59 (N)
- 45 STA. 104+72.8, (RT.) MES FL 108.99
- 46 STA. 105+00.0, (LT.) DBI, PIPE, MES FL 108.11 (E) FL 107.93 (W)
- 47 STA. 105+50.0, (RT.) DITCH BOTTOM INLET FL 108.48
- 48 STA. 105+75.9, (LT.) MES, PIPE, MES FL 107.56 (S) FL 106.84 (N)
- 49 STA. 106+48.6, (RT.) MES FL 108.05
- 50 STA. 107+48.0, (LT. & RT.) EW, PIPE, EW FL 105.09 (E) FL 105.23 (E) FL 105.35 (W) FL 105.27 (W)
- 51 STA. 109+53.5, (RT.) MES, PIPE, MES FL 106.44 (S) FL 106.77 (N)
- 52 STA. 111+76.0, (RT.) MES, PIPE, MES FL 106.65 (S) FL 106.89 (N)
- 53 STA. 112+62.3, (LT.) MES, PIPE, MES FL 107.79 (S) FL 107.79 (N)
- 54 STA. 114+00.0, (LT. & RT.) DBI, PIPE, MES FL 107.19 (E) FL 107.29 (W)
- 55 STA. 119+37.0, (LT.) MES, PIPE, MES FL 108.37 (S) FL 108.13 (N)
- 56 STA. 121+38.7, (LT.) DITCH BOTTOM INLET FL 110.00
- 57 STA. 121+84.4, (LT.) DITCH BOTTOM INLET FL 108.01
- 58 STA. 122+26.8, (LT. & RT.) CURB INLET, PIPE, MES FL 107.25 (E) FL 107.25 (W)
- 59 STA. 122+60.3, (LT.) DITCH BOTTOM INLET FL 107.87
- 60 STA. 124+97.3, (LT. & RT.) CURB INLET, PIPE, MES FL 108.08 (E) FL 113.03 (W)
- 61 STA. 127+04.9, (LT.) DBI, PIPE, DBI FL 107.75 (S) FL 106.88 (N)
- 62 STA. 128+10.9, (RT.) DITCH BOTTOM INLET TO REMAIN FL 105.30 (E) FL 105.15 (W) GRATE EL 108.57
- 63 STA. 128+81.1, (LT.) MES, PIPE, MES FL 109.30 (S) FL 109.63 (N)
- 64 STA. 130+10.8, (LT. & RT.) CURB INLET, PIPE, MES FL 109.86 (E) FL 110.09 (W)
- 65 STA. 132+34.8, (RT.) CURB INLET FL 102.41
- 66 STA. 132+99.2, (LT.) CURB INLET FL 107.79
- 67 STA. 135+66.3, (LT.) CURB INLET FL 114.39
- 68 STA. 135+65.8, (LT.) CURB INLET FL (NOT ACCESSIBLE)
- 69 STA. 141+24.9, (RT.) CURB INLET FL 113.24
- 70 STA. 141+34.1, (LT.) CURB INLET FL 112.18
- 71 STA. 142+26.3, (RT.) CURB INLET FL 112.89
- 72 STA. 142+26.3, (LT.) DITCH BOTTOM INLET TO REMAIN FL 113.04 (N) FL 112.48 (S) FL 112.57 (E) GRATE EL 115.01
- 73 STA. 144+11.9, (RT.) CURB INLET, PIPE, DBI FL 114.77 (E) FL 114.71 (W)
- 74 STA. 144+12.1, (RT.) DITCH BOTTOM INLET FL 113.93
- 75 STA. 144+91.8, (LT.) MES, PIPE, MES FL 116.42 (S) FL 116.53 (N)
- 76 STA. 145+95.3, (RT.) MES, PIPE, MES FL 117.99 (S) FL 118.50 (N)
- 77 STA. 148+99.0, (LT. & RT.) DBI, PIPE, MES FL 120.92 (E) FL 120.73 (W)
- 78 STA. 150+09.7, (RT.) MES, PIPE, MES FL 123.31 (S) FL 123.91 (N)
- 79 STA. 151+19.3, (RT.) MES, PIPE, MES FL 125.18 (S) FL 125.73 (N)
- 80 STA. 154+40.5, (RT.) DBI, PIPE, MES FL 126.51 (E) FL 126.67 (W)
- 81 STA. 155+38.0, (RT.) MES FL 129.87
- 82 STA. 155+95.6, (RT.) DITCH BOTTOM INLET FL 130.39
- 83 STA. 156+93.6, (RT.) DITCH BOTTOM INLET FL 131.54 (S) FL 131.67 (N)
- 84 STA. 157+82.9, (RT.) DITCH BOTTOM INLET FL 132.53 (S) FL 132.56 (N)
- 85 STA. 158+65.2, (RT.) MES FL 133.67
- 86 STA. 162+95.3, (RT.) MES, PIPE, MES FL 133.60 (S) FL 133.65 (N)
- 87 STA. 166+57.4, (RT.) DBI, PIPE, MES FL 131.16 (E) FL 131.26 (W)
- 88 STA. 167+41.2, (LT.) MES, PIPE, MES FL 132.31 (S) FL 131.90 (N)
- 89 STA. 167+41.2, (LT.) MES, PIPE, MES FL 131.99 (S) FL 131.77 (N)
- 90 STA. 170+33.9, (LT.) MES, PIPE, MES FL 131.51 (S) FL 131.23 (N)
- 91 STA. 171+65.7, (LT.) MES, PIPE, MES FL 131.25 (S) FL 130.77 (N)
- 92 STA. 172+10.9, (RT.) DBI, PIPE, MES FL 129.45 (E) FL 129.69 (W)
- 93 STA. 172+83.1, (RT.) MES, PIPE, MES FL 129.57 (S) FL 129.29 (N)
- 94 STA. 172+95.8, (LT.) MES, PIPE, MES FL 130.48 (S) FL 130.19 (N)
- 95 STA. 178+03.1, (LT.) MES, PIPE, MES FL 128.59 (S) FL 128.50 (N)
- 96 STA. 181+12.9, (LT.) MES FL 127.79
- 97 STA. 182+06.6, (LT.) DITCH BOTTOM INLET FL 127.47 (S) FL 127.48 (N)
- 98 STA. 183+00.0, (LT.) MES FL 127.21
- 99 STA. 182+52.5, (RT.) MES FL 126.37
- 100 STA. 183+01.2, (RT.) DITCH BOTTOM INLET FL 126.24
- 101 STA. 182+94.4, (RT.) MANHOLE FL (NOT ACCESSIBLE)
- 102 STA. 184+02.5, (RT.) MES FL 125.39
- 103 STA. 183+61.2, (LT.) MES FL 125.28
- 104 STA. 184+20.2, (LT.) DITCH BOTTOM INLET FL 125.35
- 105 STA. 184+95.1, (LT.) MES FL 124.71
- 106 STA. 185+64.7, (LT.) MES, PIPE, DBI FL 122.23 (S) FL 122.62 (N)
- 107 STA. 190+81.9, (LT. & RT.) DBI, PIPE, MES FL 117.01 (E) FL 116.75 (W)
- 108 STA. 199+01.6, (RT.) DBI, PIPE, MES FL 107.34 (E) FL 107.33 (W)
- 109 STA. 200+30.1, (RT.) MES, PIPE, MES FL 106.79 (S) FL 106.95 (N)
- 110 STA. 201+67.7, (LT.) MES, PIPE, MES FL 106.79 (S) FL 106.14 (N)
- 200 STA. 16+29.12, (LT.) CURB INLET, PIPE FL 156.15 (E)
- 201 STA. 16+34.72, (RT.) CURB INLET, PIPE FL 154.14 (W)
- 202 STA. 19+68.97, (LT.) CURB INLET, PIPE FL 153.01 (E)
- 203 STA. 19+63.66, (RT.) CURB INLET, PIPE FL 152.48 (W)
- 204 STA. 21+95.54, (LT.) CURB INLET, PIPE FL 151.77 (E)
- 205 STA. 21+94.81, (RT.) CURB INLET, PIPE FL N/A (W)
- 206 STA. 26+19.76, (LT.) CURB INLET, PIPE FL 153.46 (E)
- 207 STA. 26+19.44, (RT.) CURB INLET, PIPE FL 148.15 (W)
- 208 STA. 29+47.28, (LT.) CURB INLET, PIPE FL 148.81 (E)
- 209 STA. 29+55.41, (RT.) CURB INLET, PIPE FL 145.96 (W)
- 210 STA. 32+91.22, (LT.) CURB INLET, PIPE FL 144.82 (E)
- 211 STA. 32+91.77, (RT.) CURB INLET, PIPE FL 143.85 (W)
- 212 STA. 36+26.73, (LT.) CURB INLET, PIPE FL 143.09 (E)
- 213 STA. 36+21.55, (RT.) CURB INLET, PIPE FL 141.56 (W)
- 214 STA. 39+33.47, (LT.) CURB INLET, PIPE FL 146.66 (E)
- 215 STA. 39+33.47, (RT.) CURB INLET, PIPE FL 142.40 (W)

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

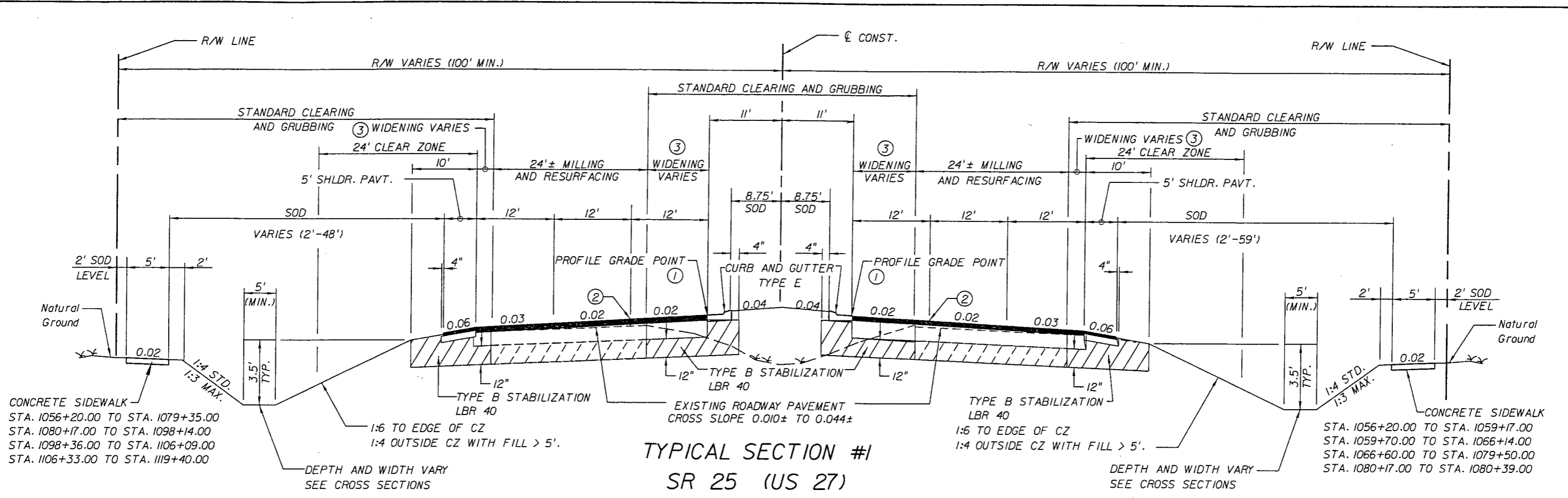
Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

DRAINAGE MAP (8)

SHEET NO.
10

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



**TYPICAL SECTION #1**  
**SR 25 (US 27)**  
**STA. 1056+20.00 TO STA. 1119+73.38**  
**STA. 1141+80.00 TO STA. 1201+52.26**

**MILLING**  
MILL EXISTING ASPHALT PAVEMENT (2 1/2" AVG. DEPTH)  
AUXILIARY LANES, TAPERS AND INTERSECTIONS:  
MILL EXISTING ASPHALT PAVEMENT (2 1/2" AVG. DEPTH)

**RESURFACING**  
1056+20.00 TO 1118+00.00 LT.  
1056+20.00 TO 1115+00.00 RT.  
1141+80.00 TO 1201+52.26

TYPE SP STRUCTURAL COURSE (TRAFFIC D) OVERBUILD 1 3/4" AVG. AND  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (PG 76-22) 2" AND  
FRICTION COURSE FC-5 (PG 76-22) 3/4"

AUXILIARY LANES, TAPERS AND INTERSECTIONS:  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) OVERBUILD 1 3/4" AVG. AND  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (PG 76-22) 2" AND  
FRICTION COURSE FC-5 (PG 76-22) 3/4"

**RFI 3019**

**WIDENING**  
OPTIONAL BASE GROUP 9 AND  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) 3" AND  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (PG 76-22) 2" AND  
FRICTION COURSE FC-5 (PG 76-22) 3/4"

**SHOULDER PAVEMENT**  
OPTIONAL BASE GROUP 1 AND  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (PG 76-22) 2" AND  
FRICTION COURSE FC-5 (PG 76-22) 3/4"

**TRAFFIC DATA**  
CURRENT YEAR ESTIMATE = 2010 AADT = 24,500  
OPENING YEAR ESTIMATE = 2012 AADT = 30,800  
DESIGN YEAR ESTIMATE = 2032 AADT = 52,000  
K = 11.3 % D = 60.6% T = 20.5% (24 HOUR)  
DESIGN HOUR T = 10.3%  
DESIGN SPEED = 50 MPH

**RESURFACING**  
1118+00.00 TO 1119+73.38 LT.  
1115+00.00 TO 1119+73.38 RT.

TYPE SP STRUCTURAL COURSE (TRAFFIC D) OVERBUILD 8 1/4" AVG. AND  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (PG 76-22) 2" AND  
FRICTION COURSE FC-5 (PG 76-22) 3/4"

AUXILIARY LANES, TAPERS AND INTERSECTIONS:  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) OVERBUILD 1 3/4" AVG. AND  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (PG 76-22) 2" AND  
FRICTION COURSE FC-5 (PG 76-22) 3/4"

**WIDENING**  
OPTIONAL BASE GROUP 9 AND  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) 3" AND  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (PG 76-22) 2" AND  
FRICTION COURSE FC-5 (PG 76-22) 3/4"

**SHOULDER PAVEMENT**  
OPTIONAL BASE GROUP 1 AND  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (PG 76-22) 2" AND  
FRICTION COURSE FC-5 (PG 76-22) 3/4"

- TYPICAL SECTION #1 NOTES**
- STA. 1118+00.00 TO STA. 1119+73.38 (LT.)  
STA. 1115+00.00 TO STA. 1119+73.38 (RT.)  
STA. 1141+80.00 TO STA. 1142+00.00  
SUPERELEVATION ROTATION POINT IS LOCATED AT THE PROFILE GRADE POINT.
  - STA. 1056+20.00 TO STA. 1118+00.00 (LT.)  
STA. 1056+20.00 TO STA. 1115+00.00 (RT.)  
STA. 1142+00.00 TO STA. 1201+52.26  
SUPERELEVATION ROTATION POINT IS LOCATED AT THE MILLING CONTROL POINT.  
SEE MILLING DETAIL ON TYPICAL SECTION DETAILS SHEET.
  - ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO ACTUAL PAVEMENT WIDTH.  
CONTRACTOR MAY ELECT TO PLACE UNIFORM BASE WIDENING AT NO ADDITIONAL COST.
  - TO BE PAVED IN ONE PASS WITH TRAVEL LANE'S TOP LIFT OF STRUCTURAL COURSE.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

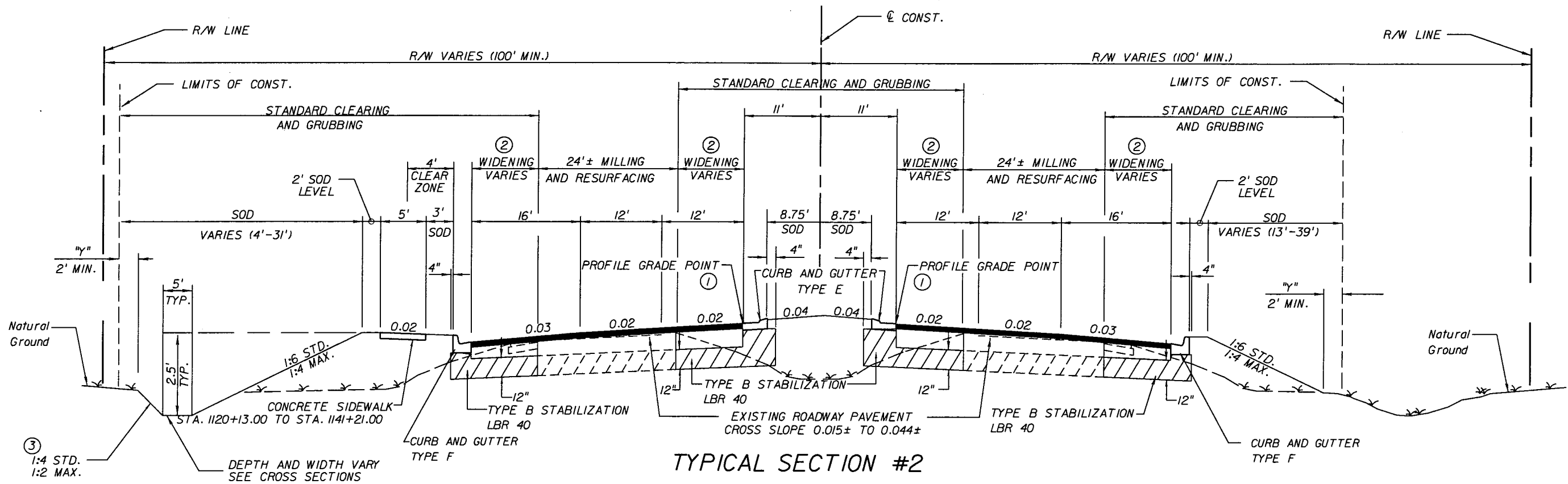
**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**TYPICAL SECTION**

SHEET NO.  
11

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.



**TYPICAL SECTION #2**  
**SR 25 (US 27)**

**STA. 1119+73.38 TO STA. 1141+80.00**

**MILLING**

MILL EXISTING ASPHALT PAVEMENT (2 1/2" AVG. DEPTH)  
 AUXILIARY LANES, TAPERS AND INTERSECTIONS:  
 MILL EXISTING ASPHALT PAVEMENT (2 1/2" AVG. DEPTH)

**RESURFACING**  
**1119+73.38 TO 1138+00.00**

TYPE SP STRUCTURAL COURSE (TRAFFIC D) OVERBUILD 8 1/4" AVG. AND  
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) (PG 76-22) 2" AND  
 FRICTION COURSE FC-5 (PG 76-22) 3/4"  
 AUXILIARY LANES, TAPERS AND INTERSECTIONS:  
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) OVERBUILD 1 3/4" AVG. AND  
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) (PG 76-22) 2" AND  
 FRICTION COURSE FC-5 (PG 76-22) 3/4"

**WIDENING & RECONSTRUCTION**

OPTIONAL BASE GROUP 9 AND  
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) 3" AND  
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) (PG 76-22) 2" AND  
 FRICTION COURSE FC-5 (PG 76-22) 3/4"

**TRAFFIC DATA**

CURRENT YEAR ESTIMATE = 2010 AADT = 24,500  
 OPENING YEAR ESTIMATE = 2012 AADT = 30,800  
 DESIGN YEAR ESTIMATE = 2032 AADT = 52,000  
 K = 11.3 % D = 60.6% T = 20.5% (24 HOUR)  
 DESIGN HOUR T = 10.3%  
 DESIGN SPEED = 50 MPH

**RESURFACING**  
**1138+00.00 TO 1141+80.00**

TYPE SP STRUCTURAL COURSE (TRAFFIC D) OVERBUILD 1 3/4" AVG. AND  
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) (PG 76-22) 2" AND  
 FRICTION COURSE FC-5 (PG 76-22) 3/4"  
 AUXILIARY LANES, TAPERS AND INTERSECTIONS:  
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) OVERBUILD 1 3/4" AVG. AND  
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) (PG 76-22) 2" AND  
 FRICTION COURSE FC-5 (PG 76-22) 3/4"

**WIDENING & RECONSTRUCTION**

OPTIONAL BASE GROUP 9 AND  
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) 3" AND  
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) (PG 76-22) 2" AND  
 FRICTION COURSE FC-5 (PG 76-22) 3/4"

**TYPICAL SECTION NOTES**

- ① SUPERELEVATION ROTATION POINT IS LOCATED AT THE PROFILE GRADE POINT.
- ② ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO ACTUAL PAVEMENT WIDTH. CONTRACTOR MAY ELECT TO PLACE UNIFORM BASE WIDENING AT NO ADDITIONAL COST.
- ③ ALL SLOPES GREATER THAN 1:2 SHALL BE STAKED SOD.

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

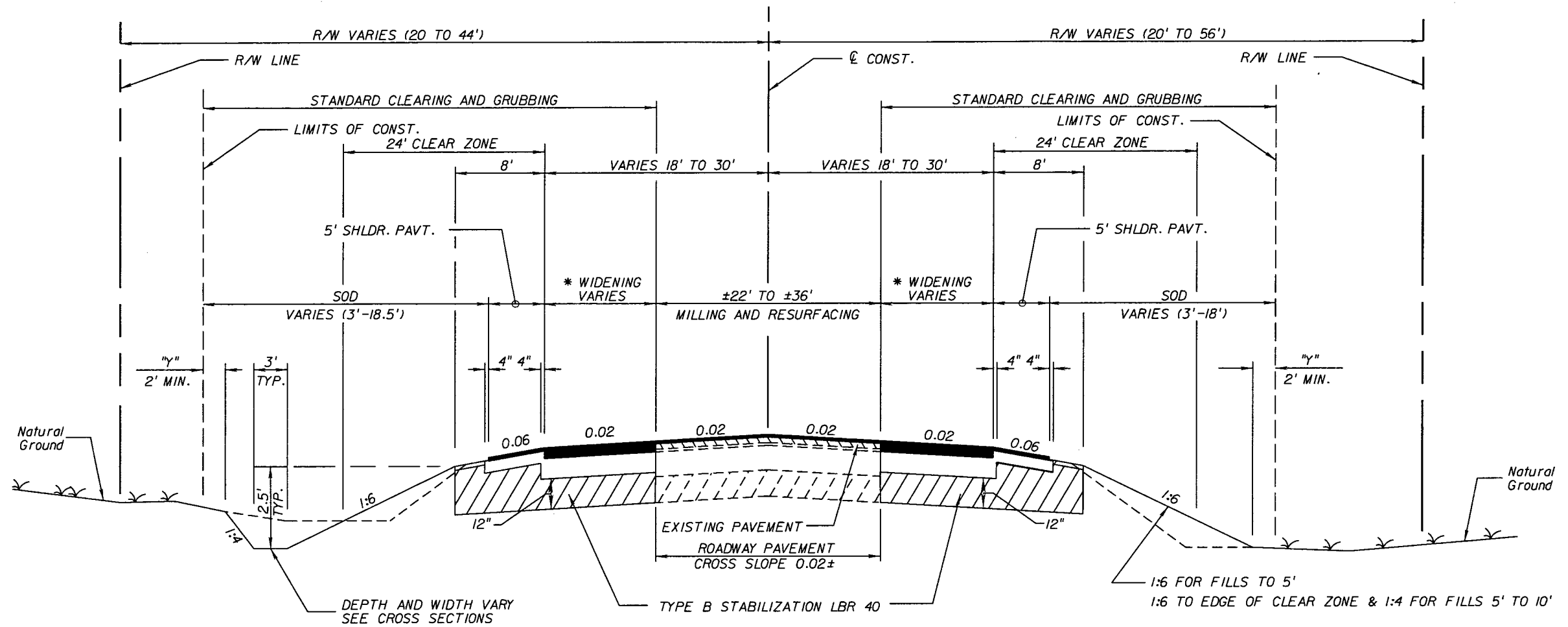
**STATE OF FLORIDA**  
**DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**TYPICAL SECTION**

SHEET NO.  
 12

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



**TYPICAL SECTION #3**

**SIDE STREETS**  
(SEE PLANS FOR ALL SIDE STREET CONSTRUCTION LIMITS)

**STRYKER ROAD**  
STA. 22+81.74 TO STA. 29+21.00  
STA. 30+26.99 TO STA. 36+53.86

**TYPICAL SECTION NOTES**

- \* ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO ACTUAL PAVEMENT WIDTH. CONTRACTOR MAY ELECT TO PLACE UNIFORM BASE WIDENING AT NO ADDITIONAL COST.
- \*\* TO BE PAVED IN ONE PASS WITH TRAVEL LANE'S TOP LIFT OF STRUCTURAL COURSE.

**WIDENING**

OPTIONAL BASE GROUP 9 AND  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) 3" AND  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) 2" (PG 76-22)  
FRICTION COURSE FC-5 (PG 76-22) 3/4"

**SHOULDER PAVEMENT**

OPTIONAL BASE GROUP 1 AND  
\*\* TYPE SP STRUCTURAL COURSE (TRAFFIC D) 2" (PG 76-22) AND  
FRICTION COURSE FC-5 (PG 76-22) 3/4"

**TRAFFIC DATA**

CURRENT YEAR ESTIMATE = 2010 AADT = 2,600  
OPENING YEAR ESTIMATE = 2012 AADT = 5,400  
DESIGN YEAR ESTIMATE = 2032 AADT = 9,200  
K = 11.3 % D = 60.6% T = 20.5% (24 HOUR)  
DESIGN HOUR T = 10.3%  
DESIGN SPEED = 45 MPH

**MILLING**

MILL EXISTING ASPHALT PAVEMENT (2 1/2" AVG. DEPTH)  
AUXILIARY LANES, TAPERS AND INTERSECTIONS:  
MILL EXISTING ASPHALT PAVEMENT (2 1/2" AVG. DEPTH)

**RESURFACING**

TYPE SP STRUCTURAL COURSE (TRAFFIC D) OVERBUILD 1 3/4" AVG. AND  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) 2" (PG 76-22)  
AND FRICTION COURSE FC-5 (PG 76-22) 3/4"  
AUXILIARY LANES, TAPERS AND INTERSECTIONS:  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) OVERBUILD 1 3/4" AVG. AND  
TYPE SP STRUCTURAL COURSE (TRAFFIC D) 2" (PG 76-22) AND  
FRICTION COURSE FC-5 (PG 76-22) 3/4"

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

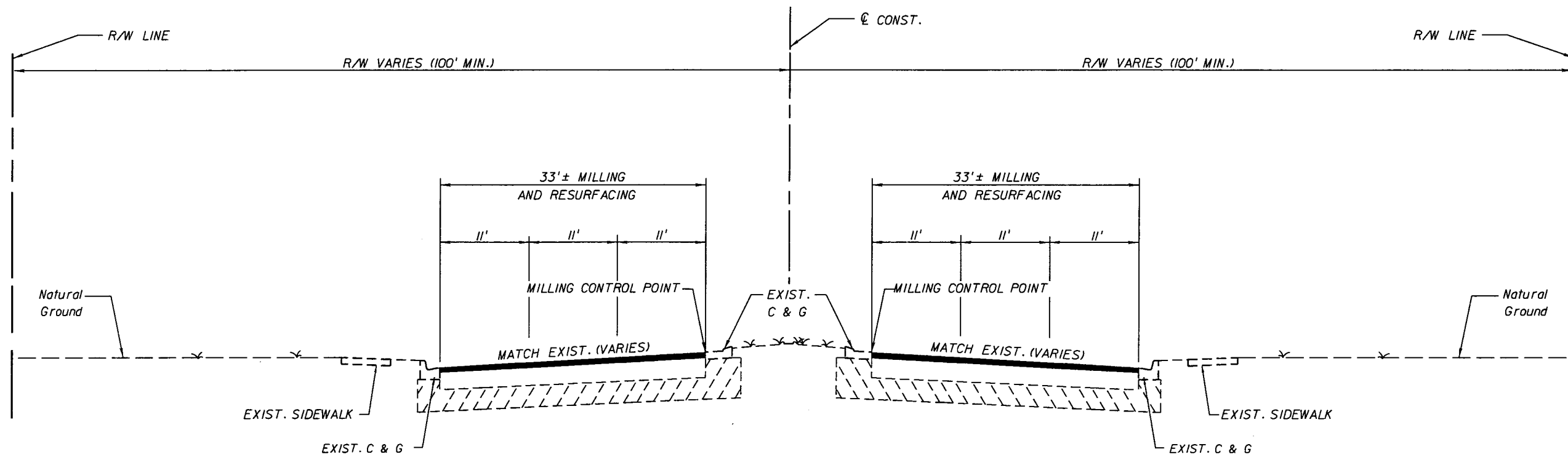
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**TYPICAL SECTION**

SHEET NO.  
13

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.





TYPICAL SECTION #4

SR 25 (US 27)

STA. 1032+10.00 TO STA. 1032+93.00 (NB & SB)\*

STA. 1047+00.00 TO STA. 1056+20.00 (NB ONLY)

MILLING

MILL EXISTING ASPHALT PAVEMENT (1 1/2" AVG. DEPTH)  
 AUXILIARY LANES, TAPERS AND INTERSECTIONS:  
 MILL EXISTING ASPHALT PAVEMENT (1 1/2" AVG. DEPTH)

RFI A023

RESURFACING

FRICION COURSE FC-12.5 (PG 76-22) 1 1/2"  
 AUXILIARY LANES, TAPERS AND INTERSECTIONS:  
 FRICION COURSE FC-12.5 (PG 76-22) 1 1/2"

TRAFFIC DATA

CURRENT YEAR ESTIMATE = 2010 AADT = 24,500  
 OPENING YEAR ESTIMATE = 2012 AADT = 30,800  
 DESIGN YEAR ESTIMATE = 2032 AADT = 52,000  
 K = 11.3% D = 60.6% T = 20.5% (24 HOUR)  
 DESIGN HOUR T = 10.3%  
 DESIGN SPEED = 50 MPH

\* REFER TO POND DETAILS 1 FOR PLAN VIEW.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

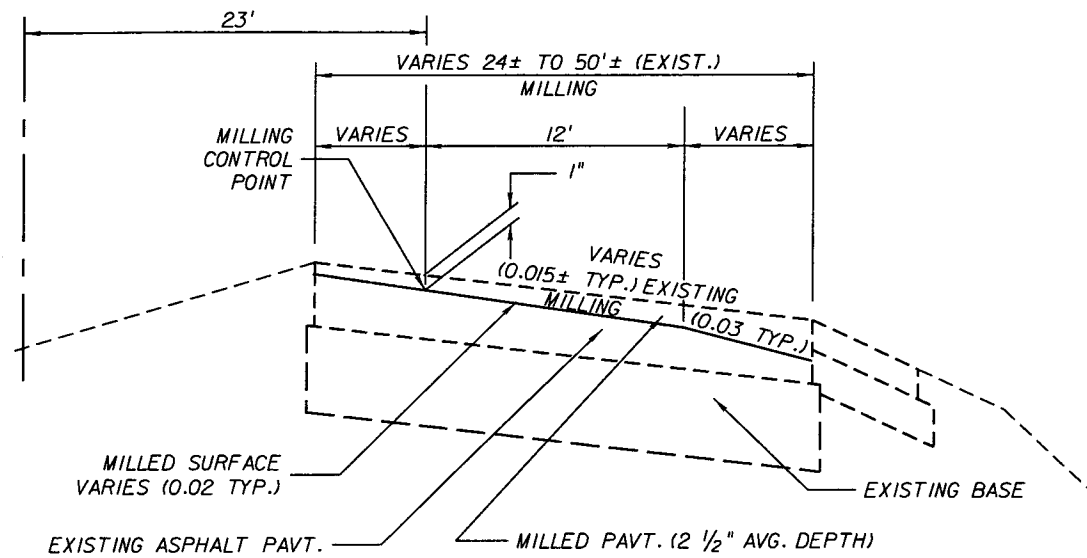
TYPICAL SECTION

SHEET NO.

13A

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.

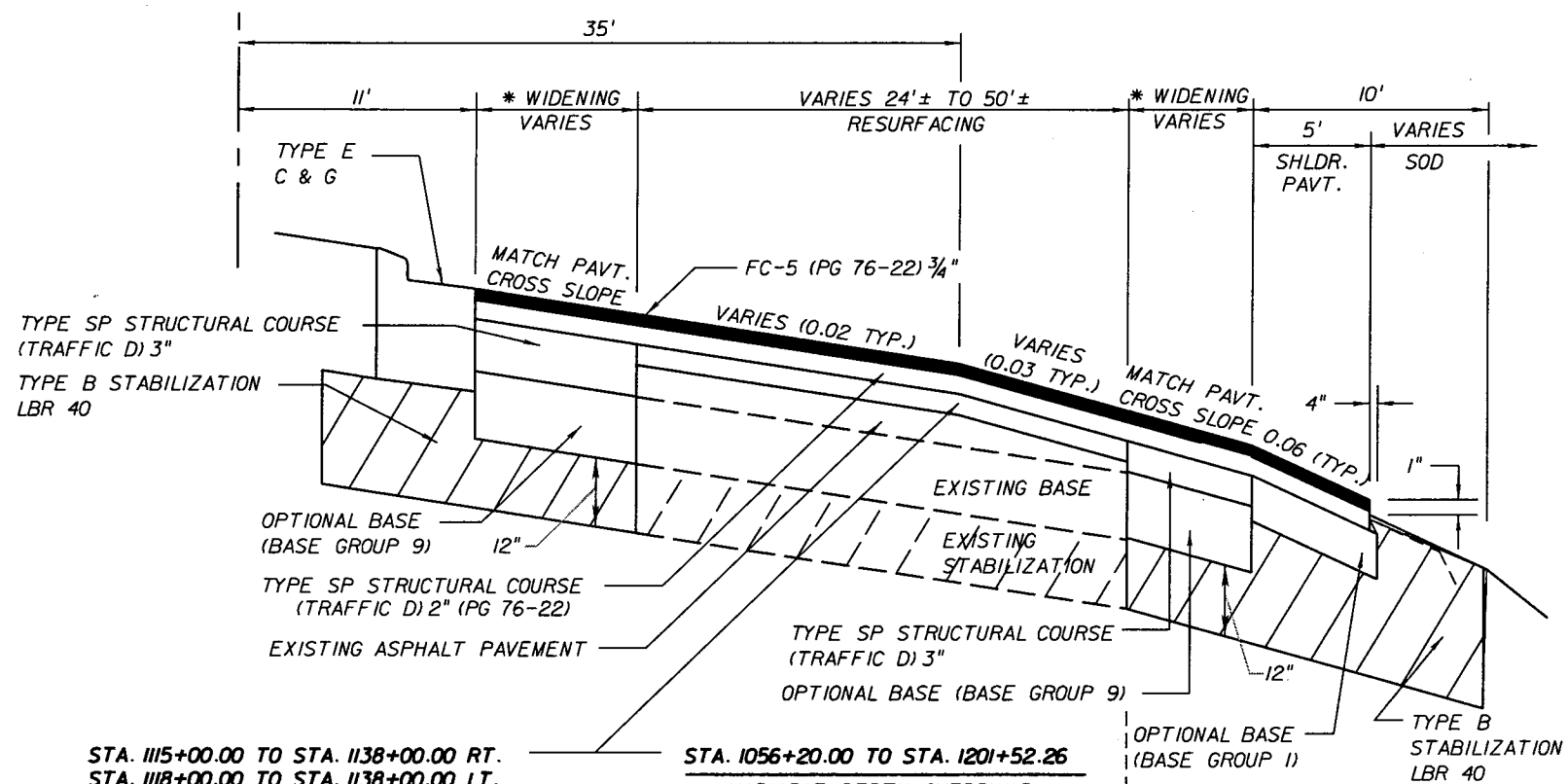
CONST. S.R. 25



**MILLING DETAIL**

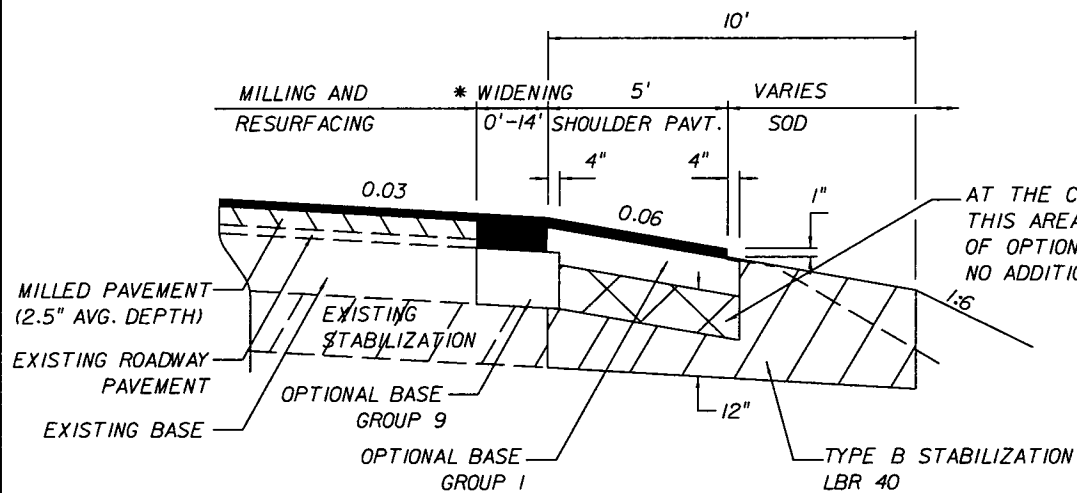
STA. 1056+20.00 TO STA. 1201+52.26

CONST. S.R. 25



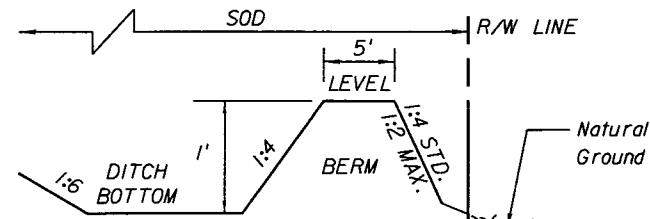
**RESURFACING DETAIL**

STA. 1056+20.00 TO STA. 1201+52.26



**WIDENING AND SHOULDER PAVEMENT DETAIL**

\* ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO ACTUAL PAVEMENT WIDTH. CONTRACTOR MAY ELECT TO PLACE UNIFORM BASE WIDENING AT NO ADDITIONAL COST.  
 \*\* ASPHALT LAYER AND THICKNESS NOT SHOWN.



**BERM DETAIL**

STA. 1173+50.00 TO STA. 1178+00.00 RT.

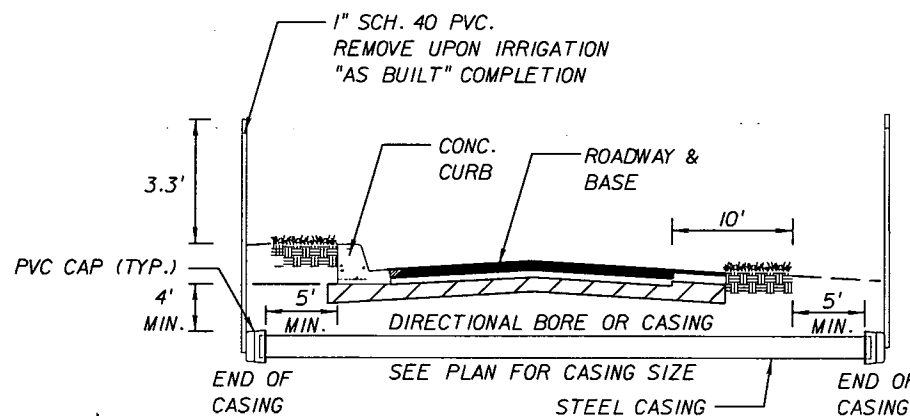
STA. 1115+00.00 TO STA. 1138+00.00 RT.  
 STA. 1118+00.00 TO STA. 1138+00.00 LT.

VARIABLE DEPTH OVERBUILD  
 TYPE SP STRUCTURAL COURSE  
 (TRAFFIC D) (8 1/4" AVG.)

STA. 1056+20.00 TO STA. 1201+52.26

VARIABLE DEPTH OVERBUILD  
 TYPE SP STRUCTURAL COURSE  
 (TRAFFIC D) (1 3/4" AVG.)

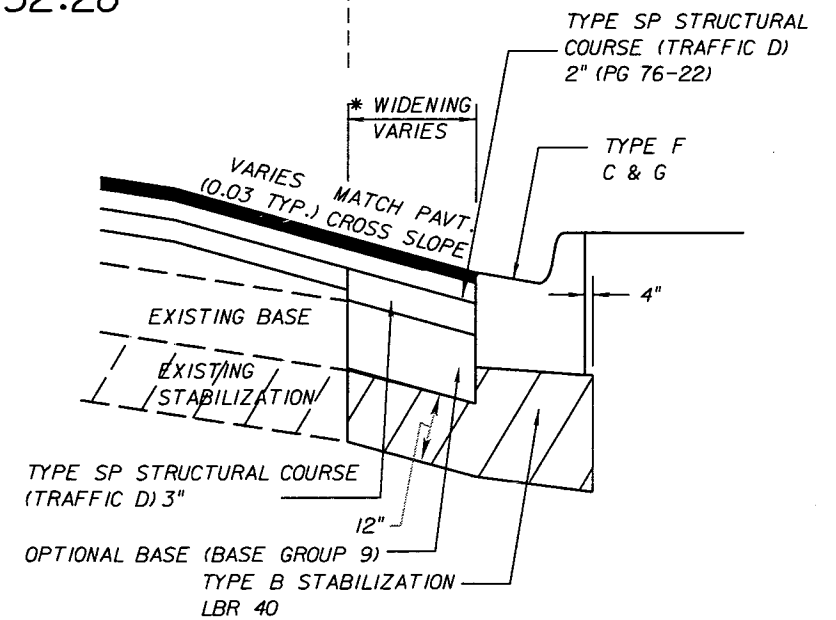
**PAVED SHOULDER**  
 STA. 1056+20.00 TO STA. 1119+73.38  
 STA. 1141+80.00 TO STA. 1201+52.26  
 (SEE WIDENING & SHOULDER PAVT. DETAIL)



**SLEEVE DETAIL**

STA. 1057+50.00 & STA. 1071+80.00

NOTE:  
 1. CONTRACTOR TO SUBMIT DIRECTIONAL BORE SHOP DRAWINGS FOR APPROVAL.



**CURB & GUTTER**  
 STA. 1119+72.50 TO STA. 1141+80.00

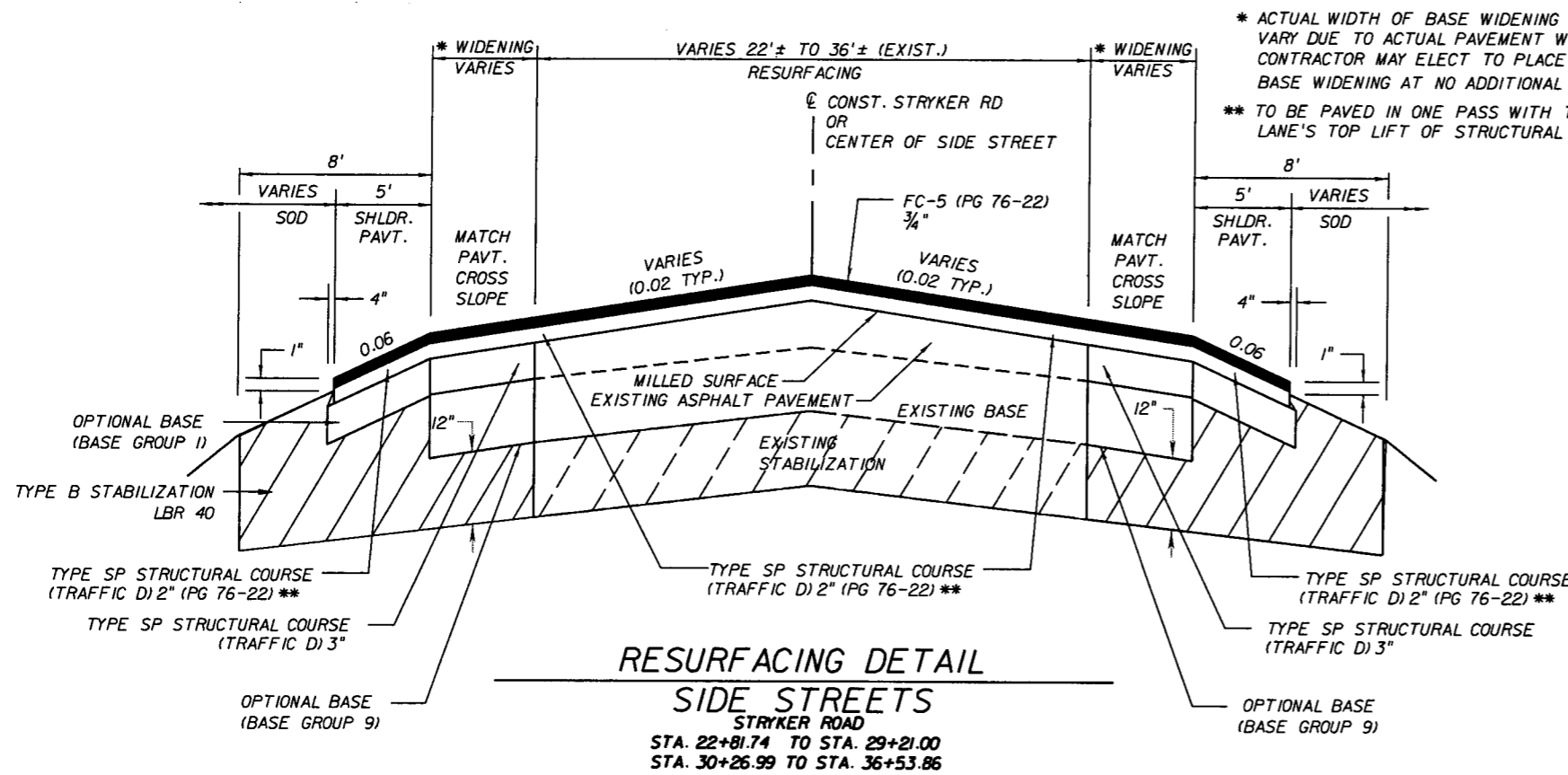
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

TYPICAL SECTION DETAILS		SHEET NO.
		14

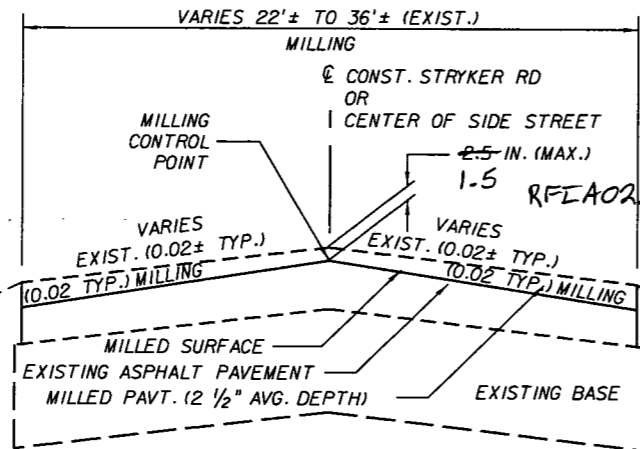
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**RESURFACING DETAIL  
SIDE STREETS**

STRYKER ROAD  
STA. 22+81.74 TO STA. 29+21.00  
STA. 30+26.99 TO STA. 36+53.86

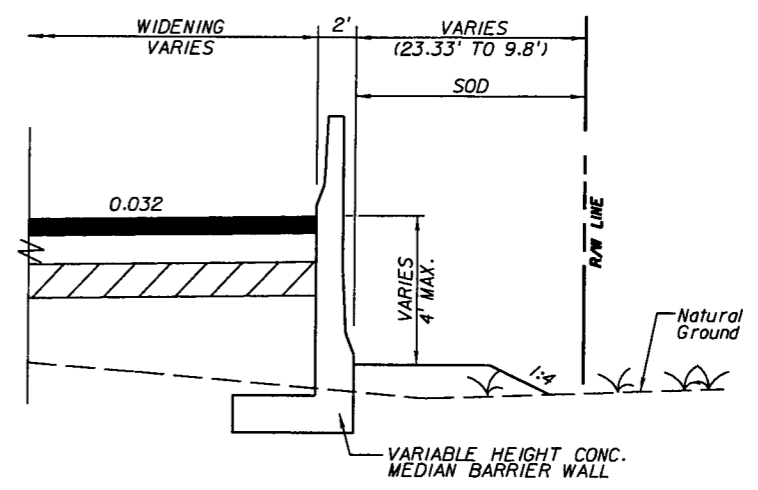
(SEE PLAN FOR ALL SIDE STREET RESURFACING LIMITS)  
(SEE WIDENING AND SHOULDER PAVEMENT DETAIL)



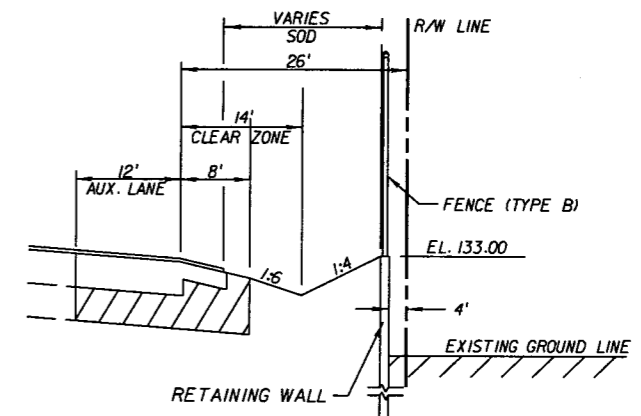
**MILLING DETAIL  
SIDE STREETS**

STRYKER ROAD  
STA. 22+81.74 TO STA. 29+21.00  
STA. 30+26.99 TO STA. 36+53.86  
(SEE PLAN FOR ALL SIDE STREET MILLING LIMITS)

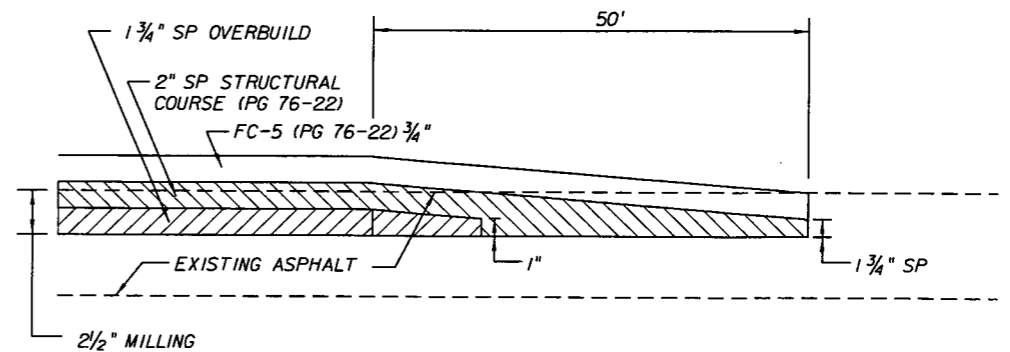
\* ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO ACTUAL PAVEMENT WIDTH. CONTRACTOR MAY ELECT TO PLACE UNIFORM BASE WIDENING AT NO ADDITIONAL COST.  
\*\* TO BE PAVED IN ONE PASS WITH TRAVEL LANE'S TOP LIFT OF STRUCTURAL COURSE.



**DETAIL AT VAR. HEIGHT CONC. MED. BARRIER WALL**  
STA. 1133+14.15 TO STA. 1135+50.00 (RT)  
NOT TO SCALE



**DETAIL AT RETAINING WALL**  
STRYKER ROAD  
STA. 26+00.00 TO STA. 27+10.00 RT.  
NOT TO SCALE



**FEATHERING DETAIL**  
NOT TO SCALE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**TYPICAL SECTION  
DETAILS**

SHEET NO.  
15

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**ROADWAY AS-BUILT PAVEMENT DATA (LIMS)**  
**FORM 700-050-12**

<b>PROJECT</b>	194485-1-52-01	<b>DATE:</b>	1/8/2014
<b>SAMPLE ID</b>	<b>SAMPLE NUMBER</b>		
140000839	0001V		
140001438	0002V		
140001448	0003V		
140001485	0004V		
140001495	0005V		
140001515	0006V		
140001546	0007V		

## SUMMARY OF TURNOUTS

LOCATION STATION	SIDE	NORMAL				SKEWED				FIELD BOOK REFERENCE
		TYPE I		TYPE II		TYPE I		TYPE II		
		SY	SY	SY	SY	SY	SY	SY	SY	
		P	F	P	F	P	F	P	F	
1063+29.21	RT			73.7						
1065+14.69	RT			140.9						
1071+37.19	RT			141.4						
1072+87.37	LT			198.1						
1077+48.02	LT			199.3						
1083+44.72	LT			109.5						
1083+49.31	RT			107.2						
1084+60.73	LT			147.1						
1084+71.58	RT			104.0						
1085+46.34	RT			147.6						
1086+25.65	RT			103.9						
1086+35.45	LT			174.5						
1087+23.77	RT			154.2						
1091+47.95	RT			38.8						
1097+62.93	RT			42.7						
1098+33.89	RT			43.6						
1099+42.16	RT			77.2						
1100+37.91	RT			77.2						
1101+16.41	RT			77.2						
1102+11.84	RT			77.2						
1102+85.82	RT			77.2						
1105+19.23	RT			133.5						
1106+04.52	RT			102.7						
1109+87.79	RT			141.4						
1111+96.52	RT							203.1		
1113+42.71	LT			142.0						
1145+23.84	LT			205.4						
1146+44.75	RT			141.4						
1150+43.88	RT			162.7						
1155+67.26	RT			77.4						
1156+58.54	RT			141.4						
1157+40.32	RT			141.4						
1158+24.04	RT			141.4						
1163+22.00	RT			77.4						
1168+16.87	LT							202.2		
1169+51.09	LT			141.4						
1170+57.67	LT			141.4						
1171+93.87	LT			77.4						
1173+09.24	RT			77.4						
1173+43.90	LT			141.4						
1178+68.89	LT			141.4						
1181+32.46	LT			141.4						
1182+31.13	LT			141.4						
1183+72.91	LT			141.4						
1184+75.94	LT			141.4						
1185+91.11	LT			141.4						
1200+51.54	RT							220.9		
<b>STRYKER ROAD</b>										
25+03.14	RT			95.6						
27+68.69	LT			69.4						
32+65.19	RT			41.4						
33+87.66	RT			69.0						
TOTAL:				5624				626		

### PAY ITEM NOTES

- 102-1 MAINTENANCE OF TRAFFIC  
INCLUDES APPROXIMATELY 272.9 TONS OF TEMPORARY ASPHALT.  
INCLUDES APPROXIMATELY 187.4 OF TREE PROTECTION BARRICADE.
- 102-14 TRAFFIC CONTROL OFFICER  
IF THE CONTRACTOR DEEMS IT NECESSARY TO UTILIZE OFF-DUTY LAW ENFORCEMENT OFFICERS FOR WORK OTHER THAN THAT SPECIFIED IN THE PLANS, HE SHALL DETERMINE THE AMOUNT OF TIME THE OFFICERS WILL BE REQUIRED AND INCLUDE THE COST IN THE BID ITEM PRICE OF THE ITEM OF WORK TO BE PERFORMED.
- 110-7-1 MAILBOXES  
INCLUDED FOR THE REPLACEMENT OF EXISTING MAILBOXES AS DIRECTED BY THE ENGINEER.
- 334-1-14 SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC D)  
INCLUDES 333.4 TN FOR TURNOUTS, CONNECTIONS TO EXISTING DRIVES, STREETS, ETC., AS DIRECTED BY THE ENGINEER.
- 522-2 6" CONCRETE SIDEWALK  
INCLUDES 305 SY OF CONCRETE DRIVEWAY CONSTRUCTION WHERE SHOWN IN THE PLANS.
- 524-1-29 CONCRETE DITCH PAVEMENT (REINFORCED) (4")  
INCLUDES THE COST OF SKIMMERS WHERE SHOWN ON THE PLANS
- 710- PAVEMENT MARKINGS  
THE TOTALS SHOWN ON THE SUMMARY OF ROADWAY PAY ITEMS ARE FOR PAINTED PAVEMENT MARKINGS USED FOR MAINTENANCE OF TRAFFIC.

## SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL			MOWING			REMARKS
			CYCLES	AREA		CYCLES	AREA		
				AC/CYCLE	TOTAL (AC)		AC/CYCLE	TOTAL (AC)	
1	124	30	4	45.6	182.4	4	45.6	182.4	
2	112	30	4	8.41	33.64	4	8.41	33.64	
3	124	30	4	37.19	148.76	4	37.19	148.76	
4	90	30	4	45.6	182.4	4	45.6	182.4	
			TOTAL	P	547.20	TOTAL	P	547.20	
				F			F		

NOTE: THE ABOVE QUANTITIES INCLUDE ONE LITTER REMOVAL AND MOWING DURING THE FIVE DAY PERIOD PRECEDING THE FINAL ACCEPTANCE DATE. THE ENGINEER MAY WAIVE THE REQUIREMENT FOR THIS FINAL LITTER REMOVAL AND MOWING.

#### REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

#### STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

## SUMMARY OF QUANTITIES

SHEET NO.  
16

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.

SUMMARY OF TURNOUTS

LOCATION STATION	SIDE	NORMAL				SKEWED				FIELD BOOK REFERENCE
		TYPE I		TYPE II		TYPE I		TYPE II		
		SY	P	SY	F	SY	P	SY	F	
1063+29.21	RT			73.7	66.11					
1065+14.69	RT			140.9	128.77					
1071+37.19	RT			141.4	135.88					
1072+87.37	LT			198.1	173.77					
1077+48.02	LT			199.3	158.65					
1083+44.72	LT	Concrete		109.5						
1083+49.31	RT			107.2	105.06					
1084+60.73	LT			147.1	134.09					
1084+71.58	RT			104.0	105.06					
1085+46.34	RT			147.6	151.87					
1086+25.65	RT			103.9	108.68					
1086+35.45	LT	Concrete		174.5						
1087+23.77	RT			154.2	150.49					
1091+47.95	RT			38.8	47.78					
1097+62.93	RT			42.7	74.39					
1098+33.89	RT			43.6	74.39					
1099+42.16	RT			77.2	72.13					
1100+37.91	RT			77.2	74.39					
1101+16.41	RT			77.2	74.87					
1102+11.84	RT			77.2	136.11					
1102+85.82	RT			77.2	84.78					
1105+19.23	RT			133.5	132.81					
1106+04.52	RT			102.7	97.66					
1109+87.79	RT			141.4	139.39					
1111+96.52	RT					203.1	224.85			
1113+42.71	LT			142.0	171.65					
1145+23.84	LT			205.4	142.05					
1146+44.75	RT			141.4	163.68					
1151+42.38	RT			162.7	129.75					
1155+67.26	RT			77.4	76.64					
1156+58.54	RT			141.4	143.22					
1157+40.32	RT			141.4	136.30					
1158+24.04	RT	1158+60		141.4	127.90					
1163+22.00	RT			77.4	67.51					
1168+16.87	LT					202.2	191.73			
1169+51.09	LT			141.4	136.15					
1170+57.67	LT			141.4	125.70					
1171+93.87	LT	Field Change		77.4	284.39					
1173+09.24	RT			77.4	66.63					
1173+43.90	LT			141.4	131.73					
1178+68.89	LT			141.4	136.61					
1181+32.46	LT			141.4	141.06					
1182+31.13	LT			141.4	132.65					
1183+72.91	LT			141.4	135.49					
1184+75.94	LT			141.4	132.84					
1185+91.11	LT			141.4	132.82					
1200+51.54	RT					220.9	156.48			
STRYKER ROAD										
25+03.14	RT			95.6						
26+41.43	LT	Concrete		69.4						
32+65.19	RT			41.4	64.31					
33+87.66	RT			69.0						
TOTAL:				5624	5200.10	626	573.06			
Final					5773.16 = 5793		573.0			

Turnout Construction Folder  
Plan Quantity Analysis Folder Page 6

RFI A004

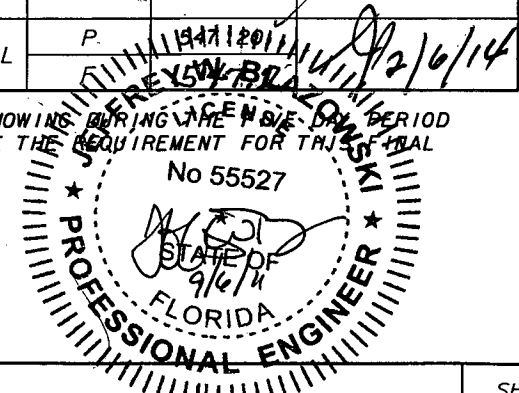
PAY ITEM NOTES

- 102-1 MAINTENANCE OF TRAFFIC  
INCLUDES APPROXIMATELY 272.9 TONS OF TEMPORARY ASPHALT.  
INCLUDES APPROXIMATELY 187.4 OF TREE PROTECTION BARRICADE.
- 102-14 TRAFFIC CONTROL OFFICER  
IF THE CONTRACTOR DEEMS IT NECESSARY TO UTILIZE OFF-DUTY LAW ENFORCEMENT OFFICERS FOR WORK OTHER THAN THAT SPECIFIED IN THE PLANS, HE SHALL DETERMINE THE AMOUNT OF TIME THE OFFICERS WILL BE REQUIRED AND INCLUDE THE COST IN THE BID ITEM PRICE OF THE ITEM OF WORK TO BE PERFORMED.
- 110-7-1 MAILBOXES  
INCLUDED FOR THE REPLACEMENT OF EXISTING MAILBOXES AS DIRECTED BY THE ENGINEER.
- 334-1-14 SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC D)  
INCLUDES 333.4 TN FOR TURNOUTS, CONNECTIONS TO EXISTING DRIVES, STREETS, ETC., AS DIRECTED BY THE ENGINEER.
- 522-2 6" CONCRETE SIDEWALK  
INCLUDES 305 SY OF CONCRETE DRIVEWAY CONSTRUCTION WHERE SHOWN IN THE PLANS.
- 524-1-29 CONCRETE DITCH PAVEMENT (REINFORCED) (4")  
INCLUDES THE COST OF SKIMMERS WHERE SHOWN ON THE PLANS
- 710- PAVEMENT MARKINGS  
THE TOTALS SHOWN ON THE SUMMARY OF ROADWAY PAY ITEMS ARE FOR PAINTED PAVEMENT MARKINGS USED FOR MAINTENANCE OF TRAFFIC.

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL				MOWING				REMARKS
			CYCLES	AREA		CYCLES	AREA				
				AC/CYCLE	TOTAL (AC)		AC/CYCLE	TOTAL (AC)			
1	124	30	4	45.6	182.4	4	45.6	182.4	Field Book		
2	112	30	4	8.41	33.64	4	8.41	33.64	No. 00002		
3	124	30	4	37.19	148.76	4	37.19	148.76	Page 24 & 25		
4	90	30	4	45.6	182.4	4	45.6	182.4			
TOTAL				P 547.20		TOTAL	P 260.00				

NOTE: THE ABOVE QUANTITIES INCLUDE ONE LITTER REMOVAL AND MOWING DURING THE 90-DAY PERIOD PRECEDING THE FINAL ACCEPTANCE DATE. THE ENGINEER MAY WAIVE THE REQUIREMENT FOR THE FINAL LITTER REMOVAL AND MOWING.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
9/6/11	JWB	UPDATED DRIVEWAY STATION.			

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**SUMMARY OF QUANTITIES**

SHEET NO.  
16

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Rev 1 5/11/11

### SUMMARY OF FENCING TYPE B

LOCATION STA. TO STA.	SIDE	LENGTH (FT)		FENCE GATE (EA)		REMARKS	FIELD BOOK REFERENCE
		P	F	P	F		
STRYKER ROAD STA. 26+00 to 27+10	RT.	110					
POND 1	LT.	729		1		20' GATE	
POND 2-1	RT.	1,321		1		20' GATE	
POND 4-1	RT.	1,292		1		20' GATE	
<b>TOTAL</b>		<b>3,452</b>		<b>3</b>			

### SUMMARY OF EARTHWORK

DESCRIPTION	CY	
	P	F
REGULAR EXCAVATION, S.R. (U.S. 27)	42,223	△
REGULAR EXCAVATION, STRYKER ROAD	1,637	
REGULAR EXCAVATION, POND 1	2,157	
REGULAR EXCAVATION, POND 2-1	4,862	
REGULAR EXCAVATION, POND 4-1	7,068	
<b>TOTAL REGULAR EXCAVATION</b>	<b>57,947</b>	<b>△</b>
EMBANKMENT, S.R. 25 (U.S. 27)	24,614	△
EMBANKMENT, STRYKER ROAD	187	
EMBANKMENT, POND 1	37	
EMBANKMENT, POND 2-1	4,103	
EMBANKMENT, POND 4-1	966	
<b>TOTAL EMBANKMENT</b>	<b>29,907</b>	<b>△</b>

EARTHWORK HAS BEEN CALCULATED USING LIMEROCK BASE OPTION. IF ANOTHER OPTION IS CONSTRUCTED, THERE SHALL BE NO REVISION TO THE EARTHWORK QUANTITIES FOR WHICH PAYMENT IS MADE BY PLAN QUANTITY.

### SUMMARY OF MEDIAN CONCRETE BARRIER WALL & ALUMINUM HANDRAIL

STATION	SIDE	BASELINE	LENGTH (LF)		FOOTING TYPE		REMARKS	ALUMINUM HANDRAIL (LF)	
			PLAN	FINAL	CANTILEVER	L		PLAN	FINAL
FROM 1132+74.00 TO 1133+14.15	RT.	℄ CONST.	40.7						
FROM 1133+14.15 TO 1135+60.00	RT.	℄ CONST.	250.3		X				
FROM 1106+89.00 TO 1107+11.00								22.0	
<b>TOTAL</b>			<b>291.0</b>					<b>22.0</b>	

### SUMMARY OF GUARDRAIL

LOCATION		GUARDRAIL (LF)	SHOP BENT PANELS (LF)	SPECIAL POSTS (EA)	END ANCHORAGE ASSEMBLIES (EA)								REMARKS	FIELD BOOK REFERENCE		
STATION	SIDE	ROADWAY		ROADWAY		FLARED		PARALLEL		TYPE II		BARRIER CONNECTION				
		P	F	P	F	P	F	P	F	P	F	P			F	
FROM 1130+98.55 TO 1132+86.50	RT.	190					1						1			
<b>TOTAL</b>		<b>190</b>					<b>1</b>						<b>1</b>			

#### REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	△ ADJUSTED EARTHWORK QUANTITY.			



URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

#### STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

### SUMMARY OF QUANTITIES

SHEET NO.

17

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 68G15-23.003, F.A.C.

Rev 2 9/6/11

### SUMMARY OF FENCING TYPE B

LOCATION STA. TO STA.	SIDE	LENGTH (FT)		FENCE GATE (EA)		REMARKS	FIELD BOOK REFERENCE
		P	F	P	F		
STRYKER ROAD STA. 26+00 to 27+10	RT.	110					
POND 1	LT.	729		1		20' GATE	
POND 2-1	RT.	1,321		1		20' GATE	
POND 4-1	RT.	1,292		1		20' GATE	
<b>TOTAL</b>		<b>3,452</b>		<b>3</b>			

### SUMMARY OF EARTHWORK

DESCRIPTION	CY	
	P	F
REGULAR EXCAVATION, S.R. (U.S. 27)	42,242	△
REGULAR EXCAVATION, STRYKER ROAD	1,637	
REGULAR EXCAVATION, POND 1	2,157	
REGULAR EXCAVATION, POND 2-1	4,862	
REGULAR EXCAVATION, POND 4-1	7,068	
<b>TOTAL REGULAR EXCAVATION</b>	<b>57,966</b>	<b>△</b>
EMBANKMENT, S.R. 25 (U.S. 27)	24,378	△
EMBANKMENT, STRYKER ROAD	187	
EMBANKMENT, POND 1	37	
EMBANKMENT, POND 2-1	4,103	
EMBANKMENT, POND 4-1	966	
<b>TOTAL EMBANKMENT</b>	<b>29,671</b>	<b>△</b>

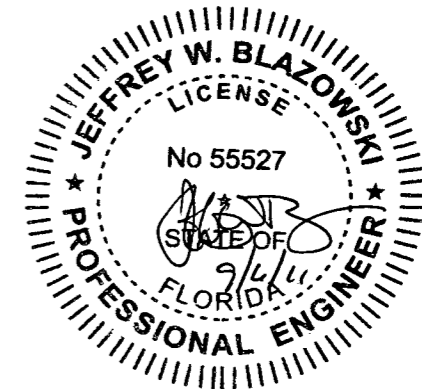
EARTHWORK HAS BEEN CALCULATED USING LIMEROCK BASE OPTION. IF ANOTHER OPTION IS CONSTRUCTED, THERE SHALL BE NO REVISION TO THE EARTHWORK QUANTITIES FOR WHICH PAYMENT IS MADE BY PLAN QUANTITY.

### SUMMARY OF MEDIAN CONCRETE BARRIER WALL & ALUMINUM HANDRAIL

STATION	SIDE	BASELINE	LENGTH (LF)		FOOTING TYPE		REMARKS	ALUMINUM HANDRAIL (LF)	
			PLAN	FINAL	CANTILEVER	L		PLAN	FINAL
FROM 1132+74.00 TO 1133+14.15	RT.	☉ CONST.	40.7				MEDIAN CONC. BARRIER WALL		
FROM 1133+14.15 TO 1135+60.00	RT.	☉ CONST.	250.3			X	VAR. HEIGHT MEDIAN CONC. BARRIER WALL		
FROM 1106+89.00 TO 1107+11.00								22.0	
<b>TOTAL</b>			<b>291.0</b>					<b>22.0</b>	

### SUMMARY OF GUARDRAIL

LOCATION		GUARDRAIL (LF)	SHOP BENT PANELS (LF)	SPECIAL POSTS (EA)	END ANCHORAGE ASSEMBLIES (EA)				REMARKS	FIELD BOOK REFERENCE				
STATION	SIDE	ROADWAY		ROADWAY		FLARED		PARALLEL			TYPE II	BARRIER CONNECTION		
		P	F	P	F	P	F	P			F	P	F	
FROM 1130+98.55 TO 1132+86.50	RT.	190					1				1			
<b>TOTAL</b>		<b>190</b>					<b>1</b>				<b>1</b>			



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	△ ADJUSTED EARTHWORK QUANTITY.			
9/6/11	JWB	△ ADJUSTED EARTHWORK QUANTITY.			

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

### SUMMARY OF QUANTITIES

SHEET NO.	17
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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



### SUMMARY OF FENCING TYPE B

LOCATION	SIDE	LENGTH (FT)		FENCE GATE (EA)		REMARKS	FIELD BOOK REFERENCE
		P	F	P	F		
STRYKER ROAD							
STA. 26+00 to 27+10	RT.	110	110				
POND 1	LT.	729	729	1	1	20' GATE	
POND 2-1	RT.	1,321	1321	1	1	20' GATE	
POND 4-1	RT.	1,292	1292	1	1	20' GATE	
TOTAL		3,452	3452	3	3		

2/31/13

### SUMMARY OF EARTHWORK

DESCRIPTION	CY	
	P	F
REGULAR EXCAVATION, S.R. (U.S. 27)	42,185	42,185
REGULAR EXCAVATION, STRYKER ROAD	1,637	1,637
REGULAR EXCAVATION, AVON BLVD. NORTH	276	276
REGULAR EXCAVATION, POND 1	2,157	2,157
REGULAR EXCAVATION, POND 2-1	4,862	4,862
REGULAR EXCAVATION, POND 4-1	7,068	7,068
TOTAL REGULAR EXCAVATION	58,185	58,185
EMBANKMENT, S.R. 25 (U.S. 27)	24,520	24,520
EMBANKMENT, STRYKER ROAD	187	187
REGULAR EXCAVATION, AVON BLVD. NORTH	0.3	0.3
EMBANKMENT, POND 1	37	37
EMBANKMENT, POND 2-1	4,103	4,103
EMBANKMENT, POND 4-1	966	966
TOTAL EMBANKMENT	29,814	29,814

EARTHWORK HAS BEEN CALCULATED USING LIMEROCK BASE OPTION. IF ANOTHER OPTION IS CONSTRUCTED, THERE SHALL BE NO REVISION TO THE EARTHWORK QUANTITIES FOR WHICH PAYMENT IS MADE BY PLAN QUANTITY.

### SUMMARY OF MEDIAN CONCRETE BARRIER WALL & ALUMINUM HANDRAIL

STATION	SIDE	BASELINE	LENGTH (LF)		FOOTING TYPE		REMARKS	ALUMINUM HANDRAIL (LF)	
			PLAN	FINAL	CANTILEVER	L		PLAN	FINAL
FROM 1132+74.00	RT.	E CONST.	40.7	40.7			MEDIAN CONC. BARRIER WALL		
TO 1133+14.15									
FROM 1133+14.15	RT.	E CONST.	250.3	250.3	X		VAR. HEIGHT MEDIAN CONC. BARRIER WALL		
TO 1135+60.00									
FROM 1106+89.00								22.0	22.0
TO 1107+11.00									
TOTAL			291.0	291.0				22.0	22.0

Plan Quantity Analysis Folder Page 31

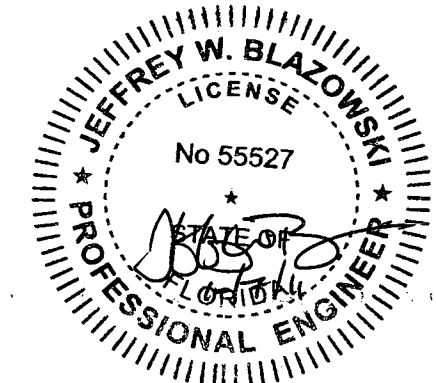
Plan Quantity Analysis Folder Page 25 2/31/13

### SUMMARY OF GUARDRAIL

LOCATION		GUARDRAIL (LF)		SHOP BENT PANELS (LF)		SPECIAL POSTS (EA)		END ANCHORAGE ASSEMBLIES (EA)				REMARKS	FIELD BOOK REFERENCE		
STATION	SIDE	ROADWAY		ROADWAY		ROADWAY		FLARED		PARALLEL				TYPE II	
		P	F	P	F	P	F	P	F	P	F	P	F	P	F
FROM 1130+98.55	RT.	190	190					1	1					1	1
TO 1132+86.50															
TOTAL		190	190					1	1					1	1

2/31/13

Plan Quantity Analysis Folder Page 36



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADJUSTED EARTHWORK QUANTITY.			
9/6/11	JWB	ADJUSTED EARTHWORK QUANTITY.			
9/6/11	JWB	ADJUSTED EARTHWORK QUANTITY.			

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

SUMMARY OF QUANTITIES		SHEET NO.
		17

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



Rev 1 5/11/11

### SUMMARY OF SIDEDRAIN & MITERED END SECTIONS

LOCATION		PIPE LENGTH (LF)								REMARKS					
		BACK				AHEAD									
		STA. TO STA.	SIDE	OFFSET	F.L.	OFFSET	F.L.	18" MES (EA)	24" MES (EA)		18" MES (EA)	24" MES (EA)			
P	1063+05 - 1063+45	RT.		142.80		143.00	32	2							
F															
P	1064+89 - 1065+37	RT.		143.10		143.20				40	2				
F															
P	1071+13 - 1071+61	RT.		139.20		139.10				40	2				
F															
P	1101+97 - 1102+30	RT.		110.10		110.00	28	2							
F															
P	1102+66 - 1103+20	RT.		109.90		109.80	48	2							
F															
P	1113+14 - 1113+65	LT.		107.80		107.90					46	2			
F															
P	1169+20 - 1169+82	LT.		130.90		130.60	55	2							
F															
P	1170+26 - 1170+82	LT.		130.50		130.30	48	2							
F															
P	1171+75 - 1172+11	LT.		130.00		129.50	28	2							
F															
P	1173+15 - 1173+77	LT.		129.00		128.40			55	2					
F															
P	1200+33	RT.					1							MATCH EXIST.	
F															
P	1201+05	RT.					1							MATCH EXIST.	
F															
P	1201+71	LT.					1							MATCH EXIST.	
F															
TOTAL							239	15	55	2	80	4	46	2	

### SUMMARY OF FLOWABLE FILL

STA. TO STA.	SIDE	FLOWABLE FILL (CY)	REMARKS
P	1032+62 - 1032+70	RT.	2.09
F			
P	1071+41	LT.	2.73
F			
P	1078+31	LT.	2.87
F			
P	1079+39 - 1080+22	LT.	17.27
F			
P	1088+41	LT.	2.73
F			
P	1093+00	LT./RT.	13.03
F			
P	1096+00	RT.	2.96
F			
P	1104+96	LT.	3.67
F			
P	1113+96	RT.	2.73
F			
P	1119+38 - 1119+99	LT.	3.61
F			
P	1121+80 - 1122+20	RT.	1.87
F			
P	1122+20	RT.	2.19
F			
P	1124+89	RT.	2.37
F			
P	1126+94 - 1127+78	LT.	3.64
F			
P	1130+01	RT.	2.62
F			
P	1131+91 - 1132+25	LT.	4.01
F			
P	1135+55	LT.	1.23
F			
P	1141+21 - 1141+30	LT.	2.05
F			
P	1144+08	LT.	2.55
F			
P	1148+95	LT.	3.54
F			
P	1154+36	RT.	2.87
F			
P	1166+53	RT.	2.73
F			
P	1172+07	RT.	2.64
F			
P	1182+52 - 1183+97	RT.	6.20
F			
P	1182+94	RT.	3.42
F			
P	1190+77	LT.	2.46
F			
P	1199+00	RT.	3.05
F			
TOTAL			103.13

### SUMMARY OF TRENCH DRAIN

STA. TO STA.	SIDE	TRENCH DRAIN (TYPE I) (LF)	CLEANOUT (EA)	CONNECTION PIPE (12" PVC) (LF)	REMARKS	
P	1095+85 - 1096+45	RT.	60	2	7	DROP PIPE
F						
P	1100+70 - 1100+92	RT.	22	2	2	DROP PIPE
F						
P	1105+50 - 1106+70	LT.	120	4	56	END PIPE
F						
P	1106+70 - 1107+25	RT.	55	3	7	DROP PIPE
F						
TOTAL			257	11	72	

NOTE: TRENCH DRAIN SHALL BE PREFORMED POLYETHYLENE ALTERNATE INDEX NO. 206

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS			

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

### SUMMARY OF QUANTITIES

SHEET NO.  
19

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6615-23.003, F.A.C.

Rev 3 10/7/11

### SUMMARY OF SIDEDRAIN & MITERED END SECTIONS

LOCATION						PIPE LENGTH (LF)								REMARKS			
STA. TO STA.		SIDE	BACK		AHEAD		ROUND				OTHER						
			OFFSET	F.L.	OFFSET	F.L.	18"	MES (EA)	24"	MES (EA)	18"	MES (EA)	24"		MES (EA)		
P	1063+05 - 1063+45	RT.		142.80		143.00	32	2									
F							32	2									
P	1064+89 - 1065+37	RT.		143.10		143.20						40	2				
F												40	2				
P	1071+13 - 1071+61	RT.		139.20		139.10						40	2				
F												40	2				
P	1101+97 - 1102+30	RT.		110.10		110.00	28	2									
F							44	2									
P	1102+66 - 1103+20	RT.		109.90		109.80	48	2									
F							48	2									
P	1113+14 - 1113+65	LT.		107.80		107.90								46	2		
F														72	2		
P	1169+20 - 1169+82	LT.		130.90		130.60	55	2									
F							55	2									
P	1170+26 - 1170+82	LT.		130.50		130.30	48	2									
F							48	2									
P	1171+75 - 1172+11	LT.		130.00		129.50	28	2									
F							28	2									
P	1173+15 - 1173+77	LT.		129.00		128.40								55	2		
F														55	2		
P	1200+33	RT.						1									
F								1									
P	1201+05	RT.						1									
F								1									
P	1201+71	LT.						1									
F								1									
Contractor on Other Project will Build																	
FINAL TOTAL							3034	14	55	2	80	4	46	2			

Plan Quantity Analysis Folder Pages 12 to 15

### SUMMARY OF FLOWABLE FILL

STA. TO STA.	SIDE	FLOWABLE FILL (CY)	REMARKS
P 1032+62 - 1032+70	RT.	2.09	Pond 1
F		2.09	
P 1071+41	LT.	2.73	
F		2.73	
P 1078+31	LT.	2.87	
F		2.87	
P 1079+39 - 1080+22	LT.	17.27	
F		17.27	
P 1088+41	LT.	2.73	
F		2.73	
P 1093+00	LT./RT.	13.03	
F		13.03	
P 1096+00	RT.	2.96	
F		2.96	
P 1104+96	LT.	3.67	
F		3.67	
P 1113+96	RT.	2.73	
F		2.73	
P 1119+38 - 1119+99	LT.	3.61	
F		3.61	
P 1121+80 - 1122+20	RT.	OMITTED	
F			
P 1122+20	RT.	2.19	
F		2.19	
P 1124+89	RT.	2.37	
F		2.37	
P 1126+94 - 1127+26	LT.	1.46	
F		1.46	
P 1130+01	RT.	2.62	
F		2.62	
P 1131+91 - 1132+25	LT.	4.01	
F		4.01	
P 1135+55	LT.	1.23	
F		1.23	
P 1141+21 - 1141+30	LT.	2.05	
F		2.05	
P 1144+08	LT.	2.55	
F		2.55	
P 1148+95	LT.	3.54	
F		3.54	
P 1154+36	RT.	2.87	
F		2.87	
P 1166+53	RT.	2.73	
F		2.73	
P 1172+07	RT.	2.64	
F		2.64	
P 1182+52 - 1183+97	RT.	6.20	
F		6.20	
P 1182+94	RT.	3.42	
F		3.42	
P 1190+77	LT.	2.46	
F		2.46	
P 1199+00	RT.	3.05	
F		3.05	
TOTAL		99.08	

### SUMMARY OF TRENCH DRAIN

STA. TO STA.	SIDE	TRENCH DRAIN (TYPE I) (LF)	CLEANOUT (EA)	CONNECTION PIPE (12" PVC) (LF)	REMARKS
P 1095+85 - 1096+45	RT.	60	2	7	DROP PIPE
F 1095/85 - 1096/45	RT	60	2		
P 1100+70 - 1100+92	RT.	22	2	2	DROP PIPE
F		22	2		
P 1105+50 - 1106+70	LT.	120	4	56	END PIPE
F		120	4		
P 1106+70 - 1107+25	RT.	55	3	7	DROP PIPE
F		55	3		
Final Total		257	11	72	
TOTAL		257	11	72	

Plan Quantities Analysis Folder Page 24

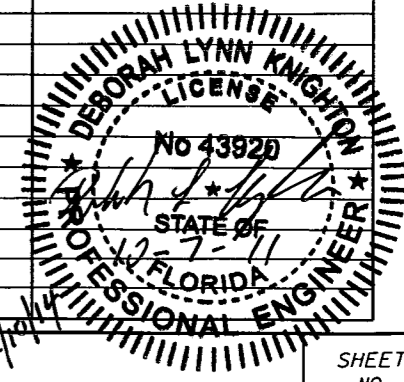
NOTE: TRENCH DRAIN SHALL BE PREFORMED POLYETHYLENE ALTERNATE INDEX NO. 206

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	1 DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS	10-7-11	DK	3 DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 19
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
25	HIGHLANDS	194485-1-52-01	

### SUMMARY OF QUANTITIES



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G05-23.003, F.A.C.

SUMMARY OF TREATMENT/ ATTENUATION SWALES LOCATIONS					
POND NUMBER	BEGIN STATION	BEGIN DPI	END STATION	END DPI	SIDE
P 1-5c	1059+00	140.1	1060+00	141.4	LT.
P 1-5d	1060+00	141.4	1061+00	142.4	LT.
P 1-5e	1061+00	142.4	1062+00	143.4	LT.
P 1-5f	1062+00	143.4	1063+00	144.2	LT.
P 3-12a	1099+00	112.6	1100+00	112.6	LT.
P 3-12b	1100+00	112.1	1101+00	111.3	LT.
P 3-12c	1101+00	111.3	1102+00	110.6	LT.
P 3-12d	1102+00	110.6	1103+00	109.8	LT.
P 3-12e	1103+00	109.8	1104+00	109.0	LT.
P 3-16	1104+00	109.0	1105+70	107.7	LT.
P 3-13a	1107+50	107.0	1109+00	107.6	LT.
P 3-13b	1109+00	107.6	1118+96	108.2	LT.
P 4-21	1142+00	114.1	1142+50	114.0	LT.
P 4-22	1144+20	115.1	1144+80	115.6	LT.
P 4-23a	1145+60	116.3	1147+00	117.5	LT.
P 4-23b	1147+00	117.5	1148+00	118.7	LT.
P 4-23c	1148+00	118.7	1149+00	119.9	LT.
P 4-23d	1149+00	119.9	1150+00	121.1	LT.
P 4-23e	1150+00	121.1	1151+00	122.3	LT.
P 4-23f	1151+00	122.3	1152+00	123.5	LT.
P 4-23g	1152+00	123.5	1153+00	124.7	LT.
P 4-23h	1153+00	124.7	1154+00	125.9	LT.
P 4-23i	1154+00	125.9	1154+75	127.0	LT.
P 4-23j	1154+75	127.0	1155+50	128.2	LT.
P 4-23k	1155+50	128.2	1156+25	129.3	LT.
P 4-23l	1156+25	129.3	1157+00	130.4	LT.
P 4-23m	1157+00	130.4	1158+00	131.9	LT.
P 4-23n	1158+00	131.9	1160+00	132.5	LT.
P 4-23o	1160+00	132.5	1162+67	133.3	LT.
P 5-6	1164+00	131.8	1167+55	131.0	LT.
P 5-11	1175+00	127.6	1178+30	127.27	LT.
P 5-12	1179+00	127.2	1181+00	127.0	LT.
P 5-14	1182+60	126.6	1183+40	125.0	LT.
P 5-17a	1187+00	119.4	1188+55	117.5	LT.
P 5-17b	1188+55	117.5	1191+00	115.0	LT.
P 5-17c	1191+00	115.0	1192+00	113.8	LT.
P 5-17d	1192+00	113.8	1194+00	111.4	LT.
P 5-17e	1195+00	110.2	1197+00	109.6	LT.
P 5-17f	1197+00	109.6	1198+50	107.7	LT.
P 5-17g	1199+00	107.0	1201+00	106.6	LT.

SUMMARY OF TREATMENT/ ATTENUATION SWALES LOCATIONS					
POND NUMBER	BEGIN STATION	BEGIN DPI	END STATION	END DPI	SIDE
P 1-2b	1061+00	142.4	1063+00	142.8	RT.
P 3-9	1108+00	105.3	1109+55	105.6	RT.
P 3-10	1110+20	105.7	1111+65	106.0	RT.
P 3-11	1112+55	106.2	1119+60	108.6	RT.
P 4-5a	1139+00	115.5	1142+80	114.3	RT.
P 4-5b	1142+80	114.3	1144+00	115.6	RT.
P 4-5c	1144+00	115.6	1145+00	116.7	RT.
P 4-5d	1145+00	116.7	1146+10	117.9	RT.
P 4-6a	1146+82	118.7	1148+00	120.0	RT.
P 4-6b	1148+00	120.0	1149+00	121.1	RT.
P 4-6c	1149+00	121.1	1150+00	122.2	RT.
P 4-8a	1151+70	123.0	1153+00	123.8	RT.
P 4-8b	1153+00	123.8	1154+00	124.4	RT.
P 4-8c	1154+00	124.4	1155+00	125.4	RT.
P 4-8d	1154+50	125.4	1155+00	126.4	RT.
P 4-12a	1158+50	132.0	1160+00	132.7	RT.
P 4-12b	1160+00	132.7	1161+00	133.2	RT.
P 5-1	1161+00	133.2	1162+95	132.42	RT.
P 5-2a	1163+57	132.29	1165+50	131.9	RT.
P 5-2b	1165+50	131.9	1167+00	131.6	RT.
P 5-2c	1167+00	131.6	1168+50	131.3	RT.
P 5-2d	1168+50	131.3	1170+00	130.7	RT.
P 5-2e	1170+00	130.7	1171+50	130.0	RT.
P 5-2f	1171+50	130.0	1172+85	129.28	RT.
P 5-3a	1173+35	128.73	1174+50	128.2	RT.
P 5-3b	1174+50	128.2	1176+00	127.4	RT.
P 5-3c	1176+00	127.4	1178+00	127.4	RT.
P 5-3d	1178+00	127.4	1180+00	128.4	RT.
P 5-4	1181+00	127.4	1182+50	126.2	RT.
P 5-5a	1184+00	125.3	1185+00	124.2	RT.
P 5-5b	1185+00	124.2	1186+00	123.1	RT.
P 5-5c	1186+00	123.1	1187+00	122.0	RT.
P 5-5d	1187+00	122.0	1188+00	120.9	RT.
P 5-5e	1188+00	120.9	1190+00	116.5	RT.
P 5-5f	1190+00	116.5	1192+00	116.5	RT.
P 5-5g	1192+00	116.5	1194+00	112.7	RT.
P 5-5h	1194+00	112.7	1198+00	107.9	RT.
P 5-5i	1198+00	107.9	1200+00	106.1	RT.

NOTE:

ALL BOTTOM PROFILE ELEVATIONS AND CROSS SECTION ELEVATIONS FOR TREATMENT/ ATTENUATION SWALES SHALL BE CONSTRUCTED TO WITHIN 0.1 FEET +/- OF THE VALUES SHOWN IN THE ABOVE TABLES. ALSO, DITCH-BLOCK TOP ELEVATIONS AND/OR ANY LONGITUDINAL BERMS ADJACENT TO TREATMENT/ATTENUATION SWALES SHALL ALSO BE CONSTRUCTED WITHIN THIS EARTHWORK TOLERANCE.

SUMMARY OF TREE PROTECTION BARRICADE				
LOCATION	SIDE	LENGTH (LF)	REMARKS	FIELD BOOK REFERENCE
1091+00.00	RT.	97.50		
1092+00.00	RT.	89.90		
TOTAL		187.40		

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

SUMMARY OF QUANTITIES	
SHEET NO.	
20	

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

Rev 2 9/6/11

SUMMARY OF TREATMENT/  
ATTENUATION SWALES LOCATIONS

POND NUMBER	BEGIN STATION	BEGIN DPI	END STATION	END DPI	SIDE
P 1-5c	1059+00	140.1	1060+00	141.4	LT.
P 1-5d	1060+00	141.4	1061+00	142.4	LT.
P 1-5e	1061+00	142.4	1062+00	143.4	LT.
P 1-5f	1062+00	143.4	1063+00	144.2	LT.
P 3-12a	1099+00	112.6	1100+00	112.6	LT.
P 3-12b	1100+00	112.1	1101+00	111.3	LT.
P 3-12c	1101+00	111.3	1102+00	110.6	LT.
P 3-12d	1102+00	110.6	1103+00	109.8	LT.
P 3-12e	1103+00	109.8	1104+00	109.0	LT.
P 3-16	1104+00	109.0	1105+70	107.7	LT.
P 3-13a	1107+50	107.0	1109+00	107.6	LT.
P 3-13b	1109+00	107.6	1118+96	108.2	LT.
P 4-21	1142+00	114.1	1142+50	114.0	LT.
P 4-22	1144+20	115.1	1144+80	115.6	LT.
P 4-23a	1145+60	116.3	1147+00	117.5	LT.
P 4-23b	1147+00	117.5	1148+00	118.7	LT.
P 4-23c	1148+00	118.7	1149+00	119.9	LT.
P 4-23d	1149+00	119.9	1150+00	121.1	LT.
P 4-23e	1150+00	121.1	1151+00	122.3	LT.
P 4-23f	1151+00	122.3	1152+00	123.5	LT.
P 4-23g	1152+00	123.5	1153+00	124.7	LT.
P 4-23h	1153+00	124.7	1154+00	125.9	LT.
P 4-23i	1154+00	125.9	1154+75	127.0	LT.
P 4-23j	1154+75	127.0	1155+50	128.2	LT.
P 4-23k	1155+50	128.2	1156+25	129.3	LT.
P 4-23l	1156+25	129.3	1157+00	130.4	LT.
P 4-23m	1157+00	130.4	1158+00	131.9	LT.
P 4-23n	1158+00	131.9	1160+00	132.5	LT.
P 4-23o	1160+00	132.5	1162+67	133.3	LT.
P 5-6	1164+00	131.8	1167+55	131.0	LT.
P 5-11	1175+00	127.6	1178+30	127.27	LT.
P 5-12	1179+00	128.2	1181+00	127.0	LT.
P 5-14	1182+60	126.6	1183+40	125.0	LT.
P 5-17a	1187+00	119.9	1188+55	117.5	LT.
P 5-17b	1188+55	117.5	1191+00	115.0	LT.
P 5-17c	1191+00	115.0	1192+00	113.8	LT.
P 5-17d	1192+00	113.8	1194+00	111.4	LT.
P 5-17e	1195+00	110.2	1197+00	109.6	LT.
P 5-17f	1197+00	109.6	1198+50	107.7	LT.
P 5-17g	1199+00	107.0	1201+00	106.6	LT.

SUMMARY OF TREATMENT/  
ATTENUATION SWALES LOCATIONS

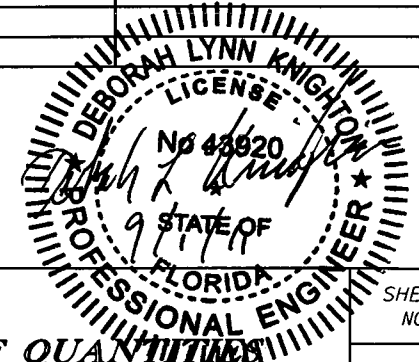
POND NUMBER	BEGIN STATION	BEGIN DPI	END STATION	END DPI	SIDE
P 1-2b	1061+00	142.4	1063+00	142.8	RT.
P 3-9	1108+00	105.3	1109+55	105.6	RT.
P 3-10	1110+20	105.7	1111+65	106.0	RT.
P 3-11	1112+55	106.2	1119+60	108.6	RT.
P 4-5a	1139+00	115.5	1142+80	114.3	RT.
P 4-5b	1142+80	114.3	1144+00	115.6	RT.
P 4-5c	1144+00	115.6	1145+00	116.7	RT.
P 4-5d	1145+00	116.7	1146+10	117.9	RT.
P 4-6a	1146+82	118.7	1148+00	120.0	RT.
P 4-6b	1148+00	120.0	1149+00	121.1	RT.
P 4-6c	1149+00	121.1	1150+00	122.2	RT.
P 4-8a	1151+75	123.0	1153+00	123.8	RT.
P 4-8b	1153+00	123.8	1154+00	124.4	RT.
P 4-8c	1154+00	124.4	1154+50	125.4	RT.
P 4-8d	1154+50	125.4	1155+00	126.4	RT.
P 4-12a	1158+50	132.0	1160+00	132.7	RT.
P 4-12b	1160+00	132.7	1161+00	133.2	RT.
P 5-1	1161+00	133.2	1162+95	132.42	RT.
P 5-2a	1163+57	132.29	1165+50	131.9	RT.
P 5-2b	1165+50	131.9	1167+00	131.6	RT.
P 5-2c	1167+00	131.6	1168+50	131.3	RT.
P 5-2d	1168+50	131.3	1170+00	130.7	RT.
P 5-2e	1170+00	130.7	1171+50	130.0	RT.
P 5-2f	1171+50	130.0	1172+85	129.28	RT.
P 5-3a	1173+35	128.73	1174+50	128.2	RT.
P 5-3b	1174+50	128.2	1176+00	127.4	RT.
P 5-3c	1176+00	127.4	1178+00	127.4	RT.
P 5-3d	1178+00	127.4	1180+00	128.4	RT.
P 5-4	1181+00	127.4	1182+50	126.2	RT.
P 5-5a	1184+00	125.3	1185+00	124.2	RT.
P 5-5b	1185+00	124.2	1186+00	123.1	RT.
P 5-5c	1186+00	123.1	1187+00	122.0	RT.
P 5-5d	1187+00	122.0	1188+00	120.9	RT.
P 5-5e	1188+00	120.9	1190+00	116.5	RT.
P 5-5f	1190+00	116.5	1192+00	116.5	RT.
P 5-5g	1192+00	116.5	1194+00	112.7	RT.
P 5-5h	1194+00	112.7	1198+00	107.9	RT.
P 5-5i	1198+00	107.9	1200+00	106.1	RT.

NOTE:

ALL BOTTOM PROFILE ELEVATIONS AND CROSS SECTION ELEVATIONS FOR TREATMENT/ ATTENUATION SWALES SHALL BE CONSTRUCTED TO WITHIN 0.1 FEET +/- OF THE VALUES SHOWN IN THE ABOVE TABLES. ALSO, DITCH-BLOCK TOP ELEVATIONS AND/OR ANY LONGITUDINAL BERMS ADJACENT TO TREATMENT/ATTENUATION SWALES SHALL ALSO BE CONSTRUCTED WITHIN THIS EARTHWORK TOLERANCE.

SUMMARY OF TREE PROTECTION BARRICADE

LOCATION	SIDE	LENGTH (LF)	REMARKS	FIELD BOOK REFERENCE
1091+00.00	RT.	97.50		
1092+00.00	RT.	89.90		
TOTAL		187.40		



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
9-6-11	DK	ADJUSTED P 4-8a BEGIN STATION FOR REVISED DRIVEWAY			

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.  
20

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

SUMMARY OF TREATMENT/ ATTENUATION SWALES LOCATIONS					
POND NUMBER	BEGIN STATION	BEGIN DPI	END STATION	END DPI	SIDE
P 1-5c	1059+00	140.1	1060+00	141.4	LT.
P 1-5d	1060+00	141.4	1061+00	142.4	LT.
P 1-5e	1061+00	142.4	1062+00	143.4	LT.
P 1-5f	1062+00	143.4	1063+00	144.2	LT.
P 3-12a	1099+00	112.6	1100+00	112.6	LT.
P 3-12b	1100+00	112.1	1101+00	111.3	LT.
P 3-12c	1101+00	111.3	1102+00	110.6	LT.
P 3-12d	1102+00	110.6	1103+00	109.8	LT.
P 3-12e	1103+00	109.8	1104+00	109.0	LT.
P 3-16	1104+00	109.0	1105+70	107.7	LT.
P 3-13a	1107+50	107.0	1109+00	107.6	LT.
P 3-13b	1109+00	107.6	1118+96	108.2	LT.
P 4-21	1142+00	114.1	1142+50	114.0	LT.
P 4-22	1144+20	115.1	1144+80	115.6	LT.
P 4-23a	1145+60	116.3	1147+00	117.5	LT.
P 4-23b	1147+00	117.5	1148+00	118.7	LT.
P 4-23c	1148+00	118.7	1149+00	119.9	LT.
P 4-23d	1149+00	119.9	1150+00	121.1	LT.
P 4-23e	1150+00	121.1	1151+00	122.3	LT.
P 4-23f	1151+00	122.3	1152+00	123.5	LT.
P 4-23g	1152+00	123.5	1153+00	124.7	LT.
P 4-23h	1153+00	124.7	1154+00	125.9	LT.
P 4-23i	1154+00	125.9	1154+75	127.0	LT.
P 4-23j	1154+75	127.0	1155+50	128.2	LT.
P 4-23k	1155+50	128.2	1156+25	129.3	LT.
P 4-23l	1156+25	129.3	1157+00	130.4	LT.
P 4-23m	1157+00	130.4	1158+00	131.9	LT.
P 4-23n	1158+00	131.9	1160+00	132.5	LT.
P 4-23o	1160+00	132.5	1162+67	133.3	LT.
P 5-6	1164+00	131.8	1167+55	131.0	LT.
P 5-11	1175+00	127.6	1178+30	127.27	LT.
P 5-12	1179+00	127.2	1181+00	127.0	LT.
P 5-14	1182+60	126.6	1183+40	125.0	LT.
P 5-17a	1187+00	119.4	1188+55	117.5	LT.
P 5-17b	1188+55	117.5	1191+00	115.0	LT.
P 5-17c	1191+00	115.0	1192+00	113.8	LT.
P 5-17d	1192+00	113.8	1194+00	111.4	LT.
P 5-17e	1195+00	110.2	1197+00	109.6	LT.
P 5-17f	1197+00	109.6	1198+50	107.7	LT.
P 5-17g	1199+00	107.0	1201+00	106.6	LT.

SUMMARY OF TREATMENT/ ATTENUATION SWALES LOCATIONS					
POND NUMBER	BEGIN STATION	BEGIN DPI	END STATION	END DPI	SIDE
P 1-2b	1061+00	142.4	1063+00	142.8	RT.
P 3-9	1108+00	105.3	1109+55	105.6	RT.
P 3-10	1110+20	105.7	1111+65	106.0	RT.
P 3-11	1112+55	106.2	1119+60	108.6	RT.
P 4-5a	1139+00	115.5	1142+80	114.3	RT.
P 4-5b	1142+80	114.3	1144+00	115.6	RT.
P 4-5c	1144+00	115.6	1145+00	116.7	RT.
P 4-5d	1145+00	116.7	1146+10	117.9	RT.
P 4-6a	1146+82	118.7	1148+00	120.0	RT.
P 4-6b	1148+00	120.0	1149+00	121.1	RT.
P 4-6c	1149+00	121.1	1150+00	122.2	RT.
P 4-8a	1151+75	123.0	1153+00	123.8	RT.
P 4-8b	1153+00	123.8	1154+00	124.4	RT.
P 4-8c	1154+00	124.4	1154+50	125.4	RT.
P 4-8d	1154+50	125.4	1155+00	126.4	RT.
P 4-12a	1158+50	132.0	1160+00	132.7	RT.
P 4-12b	1160+00	132.7	1161+00	133.2	RT.
P 5-1	1161+00	133.2	1162+95	132.42	RT.
P 5-2a	1163+57	132.29	1165+50	131.9	RT.
P 5-2b	1165+50	131.9	1167+00	131.6	RT.
P 5-2c	1167+00	131.6	1168+50	131.3	RT.
P 5-2d	1168+50	131.3	1170+00	130.7	RT.
P 5-2e	1170+00	130.7	1171+50	130.0	RT.
P 5-2f	1171+50	130.0	1172+85	129.28	RT.
P 5-3a	1173+35	128.73	1174+50	128.2	RT.
P 5-3b	1174+50	128.2	1176+00	127.4	RT.
P 5-3c	1176+00	127.4	1178+00	127.4	RT.
P 5-3d	1178+00	127.4	1180+00	128.4	RT.
P 5-4	1181+00	127.4	1182+50	126.2	RT.
P 5-5a	1184+00	125.3	1185+00	124.2	RT.
P 5-5b	1185+00	124.2	1186+00	123.1	RT.
P 5-5c	1186+00	123.1	1187+00	122.0	RT.
P 5-5d	1187+00	122.0	1188+00	120.9	RT.
P 5-5e	1188+00	120.9	1190+00	116.5	RT.
P 5-5f	1190+00	116.5	1192+00	116.5	RT.
P 5-5g	1192+00	116.5	1194+00	112.7	RT.
P 5-5h	1194+00	112.7	1198+00	107.9	RT.
P 5-5i	1198+00	107.9	1200+00	106.1	RT.

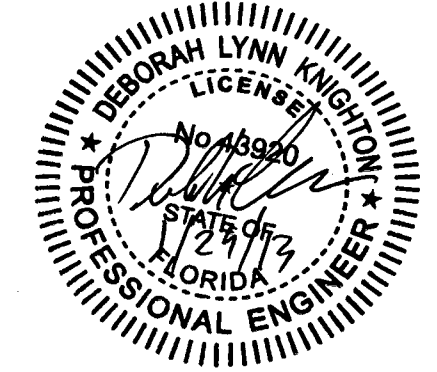
SUMMARY OF FABRIC FORMED RIPRAP (5" TK)				
LOCATION	SY		REMARKS	FIELD BOOK REFERENCE
STA. TO STA.	P	F		
11+46.00 TO 13+85.00	825	825	INCLUDES 54 WEEP TUBES	

SR #013 - DATED 12/12/12  
LOCATION OF FABRIC FORMED RIPRAP IS APPROXIMATE AND MAY BE ADJUSTED TO FIT ACTUAL FIELD CONDITIONS.

SUMMARY OF GEOSYNTHETIC REINFORCED SOIL SLOPE				
LOCATION	SF		REMARKS	FIELD BOOK REFERENCE
STA. TO STA.	P	F		
11+46.00 TO 13+85.00	3065	3065	MISSING PAY ITEM PAID BY S.A.	

SR #013 - DATED 12/12/12  
LOCATION OF GEOSYNTHETIC REINFORCED SOIL SLOPE IS APPROXIMATE AND MAY BE ADJUSTED TO FIT ACTUAL FIELD CONDITIONS.

NOTE:  
ALL BOTTOM PROFILE ELEVATIONS AND CROSS SECTION ELEVATIONS FOR TREATMENT/ ATTENUATION SWALES SHALL BE CONSTRUCTED TO WITHIN 0.1 FEET +/- OF THE VALUES SHOWN IN THE ABOVE TABLES. ALSO, DITCH-BLOCK TOP ELEVATIONS AND/OR ANY LONGITUDINAL BERMS ADJACENT TO TREATMENT/ATTENUATION SWALES SHALL ALSO BE CONSTRUCTED WITHIN THIS EARTHWORK TOLERANCE.



SUMMARY OF TREE PROTECTION BARRICADE				
LOCATION	SIDE	LENGTH (LF)	REMARKS	FIELD BOOK REFERENCE
1091+00.00	RT.	97.50		
1092+00.00	RT.	89.90		
TOTAL		187.40		

REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO. 20
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
9-6-11	DK	ADJUSTED P 4-8a BEGIN STATION FOR REVISED DRIVEWAY	01-29-13	DK	ADDED FABRIC FORMED RIPRAP & GEOSYNTHETIC REINFORCED SOIL SLOPE	25	HIGHLANDS	194485-1-52-01		

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.

SUMMARY OF SEDIMENT BARRIER

LOCATION STATION	SIDE	QUANTITY (LF)		REMARKS	FIELD BOOK REFERENCE
		P	F		
1056+20 - 1672+30	LT.	1610			
1073+40 - 1077+00	LT.	360			
1078+00 - 1079+00	LT.	100			
1080+40 - 1083+10	LT.	270			
1083+60 - 1084+30	LT.	70			
1084+90 - 1086+00	LT.	110			
1086+90 - 1097+80	LT.	1090			
1098+80 - 1105+80	LT.	700			
1106+80 - 1119+20	LT.	1240			
1120+20 - 1122+10	LT.	190			
1123+30 - 1126+20	LT.	290			
1127+70 - 1129+00	LT.	130			
1129+60 - 1131+40	LT.	180			
1141+90 - 1143+10	LT.	120			
1144+00 - 1145+00	LT.	100			
1145+50 - 1162+90	LT.	1740			
1163+70 - 1167+60	LT.	390			
1168+30 - 1169+30	LT.	100			
1169+70 - 1170+40	LT.	70			
1170+80 - 1171+80	LT.	100			
1172+10 - 1173+20	LT.	110			
1173+70 - 1178+40	LT.	470			
1179+00 - 1181+10	LT.	210			
1181+50 - 1182+05	LT.	55			
1182+50 - 1183+50	LT.	100			
1183+90 - 1184+55	LT.	65			
1184+90 - 1185+90	LT.	100			
1186+10 - 1201+52	LT.	1542			
1056+20 - 1059+10	RT.	290			
1059+80 - 1063+20	RT.	340			
1063+40 - 1065+00	RT.	160			
1065+35 - 1066+20	RT.	85			
1066+80 - 1071+20	RT.	440			
1071+55 - 1079+40	RT.	785			
1080+20 - 1083+30	RT.	310			
1083+65 - 1084+55	RT.	90			
1084+85 - 1085+05	RT.	20			
1085+65 - 1086+10	RT.	45			
1086+40 - 1087+00	RT.	60			
1087+50 - 1089+20	RT.	170			
1089+70 - 1097+50	RT.	1030			
1097+75 - 1098+20	RT.	45			
1098+45 - 1099+30	RT.	85			
1099+55 - 1100+25	RT.	70			
1100+50 - 1101+05	RT.	55			
1101+25 - 1102+00	RT.	75			
1102+25 - 1102+75	RT.	50			
1102+95 - 1104+90	RT.	195			
1105+40 - 1105+85	RT.	45			
1106+20 - 1109+70	RT.	350			
1110+05 - 1111+90	RT.	185			
1112+45 - 1119+75	RT.	730			
1141+80 - 1146+25	RT.	445			
1146+65 - 1150+20	RT.	355			
1150+45 - 1151+30	RT.	85			
1151+55 - 1155+55	RT.	400			
1155+80 - 1156+40	RT.	60			
1156+75 - 1157+25	RT.	50			
1157+55 - 1158+05	RT.	50			
1158+40 - 1163+10	RT.	470			
1163+35 - 1172+95	RT.	960			
1173+20 - 1182+65	RT.	945			
1183+65 - 1200+45	RT.	1680			
1201+05 - 1201+52	RT.	47			
1034+74	LT.	60			
1057+00	LT.	25			
1057+00	RT.	25			
1072+30	LT.	36			
1073+89	LT.	32			
1074+91	RT.	36			
1076+90	LT.	36			
1076+90	RT.	32			
1078+86	RT.	32			
1078+95	LT.	40			
1079+29	LT.	40			

SUMMARY OF SEDIMENT BARRIER (CONTINUED)

LOCATION STATION	SIDE	QUANTITY (LF)		REMARKS	FIELD BOOK REFERENCE
		P	F		
1080+29	LT.	40			
1082+82	RT.	32			
1083+00	LT.	32			
1084+00	LT.	32			
1084+45	RT.	32			
1085+00	RT.	32			
1085+92	RT.	32			
1086+00	LT.	32			
1086+65	RT.	32			
1089+00	LT.	32			
1089+00	RT.	32			
1093+10	LT.	32			
1094+00	RT.	16			
1099+90	RT.	32			
1100+00	RT.	32			
1105+67	RT.	16			
1105+70	LT.	20			
1107+30	RT.	28			
1107+50	LT.	16			
1110+20	RT.	28			
1112+55	RT.	28			
1121+50	LT.	40			
1125+50	LT.	32			
1128+00	LT.	28			
1128+00	RT.	28			
1130+00	LT.	28			
1132+88	LT.	22			
1136+60	LT.	20			
1142+22	LT.	16			
1142+22	RT.	16			
1144+20	LT.	28			
1145+60	LT.	30			
1146+82	RT.	28			
1151+00	RT.	28			
1151+70	RT.	28			
1155+95	RT.	28			
1156+95	RT.	28			
1157+75	RT.	28			
1158+60	RT.	28			
1162+95	RT.	28			
1167+55	LT.	28			
1172+85	RT.	28			
1178+30	LT.	28			
1181+00	LT.	28			
1182+00	LT.	28			
1182+50	RT.	28			
1183+40	LT.	28			
1184+15	LT.	28			
1185+40	LT.	28			
TOTAL		24635	30769		

LOCATION OF SEDIMENT BARRIER IS APPROXIMATE AND MAY BE ADJUSTED TO FIT ACTUAL FIELD CONDITIONS.

SUMMARY OF FLOATING TURBIDITY BARRIER				
LOCATION STA. TO STA.	SIDE	LENGTH (FT)	REMARKS	FIELD BOOK REFERENCE
1053+50 - 1054+60	RT.	212		FB#00004 Page 49
1093+75 - 1094+25	RT.	90		
TOTAL		302		

LOCATION OF FLOATING TURBIDITY BARRIER IS THE APPROXIMATE BEGINNING AND ENDING STATIONS AND SHOULD NOT BE INTERPRETED AS A LENGTH.

SUMMARY OF INLET PROTECTION SYSTEM

LOCATION STATION	SIDE	QUANTITY (EA)		REMARKS	FIELD BOOK REFERENCE
		P	F		
1032+92	RT.	1	1		
1032+92	LT.	1	1		
1096+50	LT.	1	1		
1097+00	LT.	1	1		
1097+50	LT.	1	1		
1098+15	RT.	1	1		
1099+00	RT.	1	1		
1099+80	RT.	1	1		
1101+00	RT.	1	1		
1101+87	LT.	1	1		
1102+80	LT.	2	1	Replaced due to rain event	
1103+60	LT.	1	1		
1104+40	LT.	1	1		
1105+40	LT.	1	1		
1118+25	LT.	1	1		
1120+30	RT.	1	1		
1120+80	LT.	1	1		
1121+50	LT.	2	1	Replaced due to rain event	
1121+50	RT.	1	1		
1122+40	LT.	1	1		
1122+50	RT.	1	1		
1123+10	LT.	1	1		
1123+50	RT.	1	1		
1123+70	LT.	2	1	Replaced due to rain event	
1124+50	RT.	1	1		
1124+60	LT.	1	1		
1125+50	RT.	1	1		
1125+50	LT.	1	1		
1126+41	LT.	1	1		
1126+70	RT.	1	1		
1127+30	LT.	2	1	Replaced due to rain event	
1127+90	RT.	1	1		
1128+10	LT.	1	1		
1128+90	LT.	1	1		
1129+00	RT.	1	1		
1130+00	LT.	1	1		
1130+08	LT.	2	1	Replaced due to rain event	
1130+70	LT.	2	1	Replaced due to rain event	
1131+30	LT.	1	1		
1131+47	RT.	1	1		
1132+00	LT.	1	1		
1132+05	RT.	1	1		
1133+68	LT.	1	1		
1134+00	LT.	1	1		
1134+70	LT.	2	1	Replaced due to rain event	
1135+00	LT.	1	1		
1135+80	LT.	1	1		
1138+00	LT.	1	1		
1138+35	RT.	1	1		
1139+00	LT.	1	1		
1139+00	RT.	1	1		
1139+60	RT.	2	1	Replaced due to rain event	
1140+00	LT.	1	1		
1140+20	RT.	1	1		
1140+80	LT.	1	1		
1141+00	LT.	1	1		
1141+40	LT.	1	1		
1142+00	LT.	1	1		
1142+60	LT.	1	1		
1143+40	RT.	1	1		
1143+80	RT.	1	1		
1144+40	RT.	1	1		
1145+00	RT.	1	1		
1145+60	RT.	1	1		
1192+50	RT.	1	1		
1193+80	RT.	1	1		
1195+00	RT.	1	1		
1196+20	RT.	1	1		
1197+60	LT.	1	1		
1198+60	LT.	1	1		
1199+21	LT.	1	1		
TOTAL		71	88	79 EA / 2/6/14 FB#00001 Pg 53 + 4 EA FB#00001 p. 53 83 EA	

LOCATION OF INLET PROTECTION SYSTEM IS APPROXIMATE AND MAY BE ADJUSTED TO FIT ACTUAL FIELD CONDITIONS.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	1 DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS			

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.  
21

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.













QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM AND CROSS DRAIN OPTIONAL PIPE										CURB INLETS					MANHOLES					DITCH BOTTOM & GUTTER INLETS										MITERED END SECTIONS												CONC. DITCH PAVT.	CONC. INLET PAVT.	CONC. CLASS I (EW)	RIP RAP	REMARKS
						ROUND					OTHER					P-3	P-5	P-6	7	J-5	J-6	P-7	P-8	J-7	P-7	C	D	D	E	H	V	CROSS DRAIN						SIDE DRAIN						SOD								
						15	18	24	30	36	42	18	24	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	PART.	<10'	<10'	<10'	<10'	<10'	<10'	ROUND			ROUND			OTHER	SY														
						18	24	30	36	42	18	24	18	24	18	24	18	24	18	24	18	24	18	24	18	24	18	24	18	24	18	24	18	24	18	24	18	24	18	24	SY	SY	CY	CY	CY	TN						
P	S-309	1100+80.00	RT.	DBI, PIPE	1							51																										8	0.30			CONC. INLET PAVT.										
F	S-310	1101+00.00	RT.	INLET, PIPE	1	85																																						TRENCH DRAIN CONNECTION								
P	S-311	1101+35.00	RT.	MES	1																																															
F	S-312	1101+87.00	LT.	INLET, PIPE	1	89																																														
P	S-313	1102+80.00	LT.	MES	1																																															
F	S-314	1102+80.00	LT.	INLET, PIPE	1	56																																														
P	S-315	1103+60.00	LT.	INLET, PIPE	1	76																																														
F	S-316	1104+40.00	LT.	INLET, PIPE	1	96																																														
P	S-317	1105+40.00	LT.	MES	1																																															
F	S-318	1105+40.00	LT.	INLET, PIPE	1	56																																														
P	S-319	1105+70.00	LT.	DBI, PIPE	1	101																																														
F	S-320	1106+77.00	LT.	MES	1																																															
P	S-321	1107+00.00	LT.	EW, PIPE	2							22																																								
F	S-321a	1107+15.00	LT.	MES	1																																															
P	S-322	1107+30.00	RT.	MH	1																																															
F	S-323	1107+50.00	LT.	DBI, PIPE	1	30																																														
P	S-324	1109+60.00	RT.	MES	1																																															
F	S-325	1110+20.00	RT.	DBI, PIPE	1	55																																														
P	S-326	1111+70.00	RT.	MES	1																																															
F	S-327	1112+55.00	RT.	DBI, PIPE	1	80																																														
P	S-328	1118+25.00	LT.	INLET, PIPE	1	78																																														
F	S-329	1118+25.00	RT.	MES	1																																															
P	S-401	1120+30.00	RT.	INLET, PIPE	1	66																																														
F	S-402	1120+80.00	LT.	INLET, PIPE	1	57																																														
P	S-403	1121+00.00	RT.	MH, PIPE	1																																															
F	S-404	1121+00.00	RT.	MES	1																																															
P	S-405	1121+50.00	LT.	DBI, PIPE	1	16																																														
F	SHEET TOTALS -					UNIT QUANTITY	868	73	108	51		2	7				1		1	4	2			3			1	4					297	4	1.61	5.92	8.9															
F						PLAN QUANTITY	868	73	108	51		2	7				1		1	4	2			3			1	4				297	4	1.61	5.92	8.9																
F						FINAL QUANTITY																																														

- △
- △
- △

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS			

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

SHEET NO. 24		SUMMARY OF DRAINAGE STRUCTURES (3)		
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NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED & SEALED UNDER RULE 6105-23.003, F.A.C.



Revision 4 1-29-13

Table with columns: QUANTITY, STR. NO., STATION, SIDE, DESCRIPTION, BARRELS, STORM AND CROSS DRAIN OPTIONAL PIPE, CURB INLETS, MANHOLES, DITCH BOTTOM & GUTTER INLETS, MITERED END SECTIONS, CONC. DITCH PAVT., CONC. INLET PAVT., CONC. CLASS (EW), RIP RAP, REMARKS.

3

3 1

1

1

3

SHEET TOTALS - UNIT QUANTITY, PLAN QUANTITY, FINAL QUANTITY

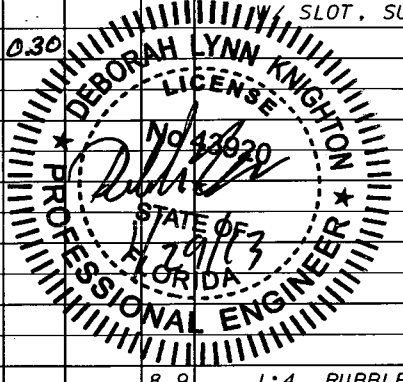
REVISIONS

Table with columns: DATE, BY, DESCRIPTION for revisions.

Faller, Davis & Associates, Inc. 5525 W. CYPRESS ST. - SUITE 300 TAMPA, FLORIDA 33607-1707 CERTIFICATE OF AUTHORIZATION NO.: 5864 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID

SUMMARY OF DRAINAGE STRUCTURES (3) SHEET NO. 24



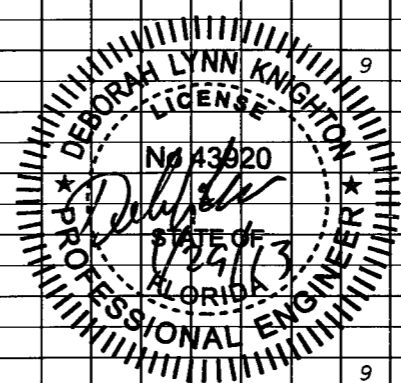
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED & SEALED UNDER RULE 68G5-23.003, F.A.C.







QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM AND CROSS DRAIN OPTIONAL PIPE								CURB INLETS					MANHOLES					DITCH BOTTOM & GUTTER INLETS										MITERED END SECTIONS												SOD	CONC. DITCH PAVT.	CONC. INLET PAVT.	CONC. CLASS (EW)	RIP RAP	REMARKS
						ROUND				OTHER				P-3	P-5	P-6	7	J-5	J-6	P-7	P-8	J-7	P-7	C	D	D	E	H	V	CROSS DRAIN				SIDE DRAIN																	
						15	18	24	30	36	42	18	24	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	PART.	<10'	<10'	<10'	<10'	<10'	<10'	18	24	30	36	42	18	24	18	24	18	24										
P	S-405	1121+50.00	LT.	DBI, PIPE	1			16																												19			1.01			TRAV. SLOTS									
F								16'																															1.01												
P	S-406	1121+50.00	LT.	INLET, PIPE	1			66																																											
F								66'																																											
P	S-407	1121+87.00	RT.	INLET, PIPE	1			84																																											
F								84'																																											
P	S-407a	1122+40.00	LT.	INLET, PIPE	1			86																																											
F								86'																																											
P	S-407b	1122+50.00	RT.	INLET, PIPE	1			60																																											
F								60'																																											
P	S-408	1123+10.00	LT.	INLET, PIPE	1			58																																											
F								58'																																											
P	S-409	1123+37.00	RT.	MES	1																																31					8.9	1:4, RUBBLE (DITCH LINING)								
F																																																			
P	S-410	1123+42.11	RT.	DBI, PIPE	1			85																																											
F								85'																																											
P	S-411	1123+50.00	RT.	INLET, PIPE	1			97																																											
F								97'																																											
P	S-412	1123+70.00	LT.	INLET, PIPE	1			58																																											
F								58'																																											
P	S-413	1124+10.00	RT.	MH, PIPE	1			139																																											
F								139'																																											
P	S-414	1124+50.00	RT.	INLET, PIPE	1			96																																											
F								96'																																											
P	S-415	1124+60.00	LT.	INLET, PIPE	1			85																																											
F								85'																																											
P	S-416	1125+62.00	LT.	DBI, PIPE	1			231																																											
F								231'																																											
P	S-417	1125+50.00	LT.	INLET, PIPE	1			85																																											
F								85'																																											
P	S-418	1125+50.00	RT.	INLET, PIPE	1			96																																											
F								96'																																											
P	S-419	1125+50.00	RT.	MH, PIPE	1			257																																											
F								257'																																											
P	S-420	1126+72.00	LT.	INLET, PIPE	1			113																																											
F								113'																																											
P	S-421	1126+70.00	RT.	INLET, PIPE	1			118																																											
F								118'																																											
P	S-422	1127+30.00	LT.	INLET, PIPE	1			58																																											
F								58'																																											
P	S-423	1127+90.00	RT.	INLET, PIPE	1			115																																											
F								115'																																											
P	S-424	1128+00.00	LT.	DBI, PIPE	1			29																																											
F								29'																																											
P	S-425	1128+00.00	LT.	MH	1																																														
F																																																			
P	S-426	1128+10.00	LT.	INLET, PIPE	1			76																																											
F								76'																																											
P	S-427	1128+90.00	LT.	INLET, PIPE	1			75																																											
F								75'																																											
P	S-428	1129+00.00	RT.	INLET, PIPE	1			106																																											
F								106'																																											
P	S-429	1130+00.00	LT.	DBI, PIPE	1			194																																											
F								194'																																											
SHEET TOTALS				UNIT QUANTITY				1445		139			151				3																																		
				PLAN QUANTITY				1445		139			151				3																																		
				FINAL QUANTITY				1445		139			151				3																																		



REVISIONS		
DATE	BY	DESCRIPTION
5-11-11	DK	1 DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS
10-7-1		

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM AND CROSS DRAIN OPTIONAL PIPE												CURB INLETS							MANHOLES						DITCH BOTTOM & GUTTER INLETS						MITERED END SECTIONS														SOD	CONC. DITCH PAVT.	CONC. INLET PAVT.	CONC. CLASS (EW)	RIP RAP	REMARKS
						ROUND						OTHER						P-3	P-5	P-6	7	J-5	J-6	P-7	P-8	J-7	P-7	C	D	D	E	H	V	CROSS DRAIN						SIDE DRAIN																
						ROUND						OTHER																						ROUND						SIDE DRAIN																
						15	18	24	30	36	42	18	24	<10'	<10'	<10'	<10'																	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	18	24	30						
1	P S-431	1130+08.00	LT.	INLET, PIPE	1	104																																																		
1	P S-431a	1130+70.00	LT.	INLET, PIPE	1								66																																											
1	P S-432	1131+30.00	LT.	INLET, PIPE	1								56																																											
1	P S-433	1131+47.00	RT.	INLET, PIPE	1								137																																											
1	P S-434	1132+00.00	LT.	INLET, PIPE	1								66																																											
	P S-435	1132+05.00	RT.	INLET, PIPE	1								54																																											
	P S-435a	1132+90.00	LT.	MH	1																																3.5' X 7.0' BOT.																			
	P S-435b	1133+00.00	LT.	MH, PIPE	1								96																																											
	P S-436	1133+68.00	LT.	INLET, PIPE	1								64																																											
	P S-437	1134+00.00	LT.	INLET, PIPE	1								191																																											
	P S-438	OMITTED																																																						
	P S-439	1134+70.00	LT.	INLET, PIPE	1								98																																											
	P S-440	1135+00.00	LT.	INLET, PIPE	1								96																																											
	P S-440a	1135+54.00	LT.	MH	1																																TOP																			
	P S-441	1135+80.00	LT.	INLET, PIPE	1								105																																											
	P S-442	1136+60.00	LT.	INLET, PIPE	1								75																																											
	P S-443	1138+00.00	LT.	INLET, PIPE	1								134																																											
	P S-444	1138+35.00	RT.	INLET, PIPE	1								58																																											
	P S-445	1139+00.00	LT.	INLET, PIPE	1								92																																											
	P S-446	1139+00.00	RT.	INLET, PIPE	1								57																																											
	P S-447	1139+60.00	RT.	INLET, PIPE	1								56																																											
	P S-448	1140+00.00	LT.	INLET, PIPE	1								97																																											
1	P S-449	1140+20.00	RT.	INLET, PIPE	1								56																																											
1	P S-450	1140+80.00	LT.	INLET, PIPE	1								57																																											
	P S-451	1141+00.00	LT.	INLET, PIPE	1								97																																											
	P S-452	1141+30.00	LT.	MH	1																																																			
1	P S-453	1141+40.00	LT.	INLET, PIPE	1								56																																											

SHEET TOTALS - UNIT QUANTITY 1116852  
 PLAN QUANTITY 1116852  
 FINAL QUANTITY

2	11	8		2	1	1		1
2	11	8		2	1	1		1

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	1 DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS			

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**SUMMARY OF DRAINAGE STRUCTURES (5)**

SHEET NO.	26
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NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED & SEALED UNDER RULE 66G5-23.003, F.A.C.















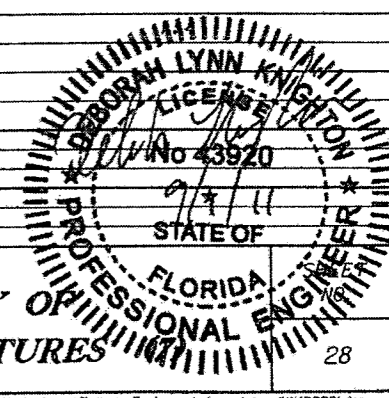






QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM AND CROSS DRAIN OPTIONAL PIPE						CURB INLETS						MANHOLES						DITCH BOTTOM & GUTTER INLETS						MITERED END SECTIONS												SOD	CONC. DITCH PAVT.	CONC. INLET PAVT.	CONC. CLASS (E.W.)	RIP RAP	REMARKS
						ROUND				OTHER		P-3	P-5	P-6	7	J-5	J-6	P-7	P-8	J-7	P-7	C	D	D	E	H	V	CROSS DRAIN						SIDE DRAIN													
						15	18	24	30	36	42	18	24	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	18	24	30	36	42	18	24	18	24	SY	SY	CY	CY	TN						
P	S-502	1163+52.00	RT.	MES	1																														9												
F																																			8	0.30			W/ SLOT, CONC. PAVT., SUMP								
P	S-503	1167+55.00	LT.	DBI, PIPE	1		85																																								
F							85																																								
P	S-504	1168+45.00	LT.	MES	1																															9											
F																																															
P	S-505	1172+85.00	RT.	DBI, PIPE	1									40																																	
F														40																																	
P	S-506	1173+30.00	RT.	MES	1																																										
F																																															
P	S-507	1178+30.00	LT.	DBI, PIPE	1		60																																								
F							60																																								
P	S-508	1178+95.00	LT.	MES	1																																										
F																																															
P	S-509	1181+00.00	LT.	DBI, PIPE	1		97																																								
F																																															
P	S-510	1182+00.00	LT.	DBI, PIPE	1		50																																								
F							50																																								
P	S-511	1182+50.00	RT.	DBI, PIPE	1		140																																								
F							140																																								
P	S-512	1182+55.00	LT.	MES	1																																										
F																																															
P	S-513	1183+40.00	LT.	DBI, PIPE	1		72																																								
F							72																																								
P	S-514	1183+95.00	RT.	MES	1																																										
F																																															
P	S-515	1184+15.00	LT.	DBI, PIPE	1		118																																								
F							118																																								
P	S-516	1185+35.50	LT.	DBI, PIPE	1		83																																								
F							83																																								
P	S-517	1186+24.00	LT.	MES	1																																										
F																																															
P	S-518	1192+50.00	RT.	INLET, PIPE	1		127																																								
F							127																																								
P	S-519	1193+80.00	RT.	INLET, PIPE	1		61																																								
F							61																																								
P	S-520	1193+80.00	RT.	MES	1																																										
F																																															
P	S-521	1195+00.00	RT.	INLET, PIPE	1		117																																								
F							117																																								
P	S-522	1196+20.00	RT.	INLET, PIPE	1		58																																								
F							58																																								
P	S-523	1196+20.00	RT.	MES	1																																										
F																																															
P	S-524	1197+60.00	LT.	INLET, PIPE	1		96																																								
F							96																																								
P	S-525	1198+60.00	LT.	INLET, PIPE	1		72																																								
F							72																																								
P	S-526	1198+60.00	RT.	MES	1																																										
F																																															
P	S-527	1199+21.00	LT.	INLET, PIPE	1		57																																								
F							57																																								
SHEET TOTALS						UNIT QUANTITY	1293	40	4	3							8	1																		210	2.70										
GRAND TOTALS						PLAN QUANTITY	1293	40	4	3								8	1																		210	2.70									
GRAND TOTALS						FINAL QUANTITY	95	177	102	26	1205	1460	118	323	261	9	23	2	28	6	1	3	8	4	3	32	13	2	9	4	1	12	1	2	2	1	13	1	3	1	1268	70.67	20.03	5.92	69.3		
REVISIONS						DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION																																				
REVISIONS						5-11-11	DK	1 REVISD ENTIRE SHEET DUE TO MEDIAN CHANGES	9-6-11	DK	2 RECALCULATED AFTER MOVING S-229 & S-474																																				

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED & SEALED UNDER RULE 68G5-23.003, F.A.C.



**SUMMARY OF DRAINAGE STRUCTURES**

ROAD NO. 25 COUNTY HIGHLANDS FINANCIAL PROJECT ID 194485-1-52-01

DATE 9/1/2011 TIME 5:44:21 PM

Fuller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

2









GENERAL NOTES

- The Contractor may use any of the optional pipe materials tabulated for a given structure. Only the material options tabulated for a given structure can be used.
- Adjustment to the bid quantities, prices and payment will not be allowed due to increase or decrease in structure size, shape, length, width, depth or accessory construction necessary to accommodate the use of an optional pipe material other than the "plotted" option; likewise there will be no added or reduced compensation for structure alterations required to relieve utility conflicts which arise from the use of an optional material other than the "plotted" option.
- Adjustment to the bid quantities, prices and payment will not be allowed due to increased or decreased excavation, bedding, borrow, backfilling, compaction, special installation requirements or disposal of excess materials due to use of any of the pipe optional materials. Likewise, adjustment in the quantities, prices and payment will not be allowed due to differences in end treatment size or types, pipe length, alternate jointing and connecting materials, saddles, cradles, filter fabrics, shoring or similar features due to the use of an optional material other than the "plotted" option.
- If adjustments are required due to plan errors or omissions or authorized field changes, the "plotted" material and not the material elected by the Contractor would be used to establish new pay quantities.
- The Contractor shall notify the Department in writing as to which optional pipe material he chooses to use at the preconstruction conference. Once identified the contractor may not change pipe material selected without the approval of the Engineer.
- Pipe shapes other than round (Elliptical/Arch) are summarized and paid for using equivalent round pipe diameter.

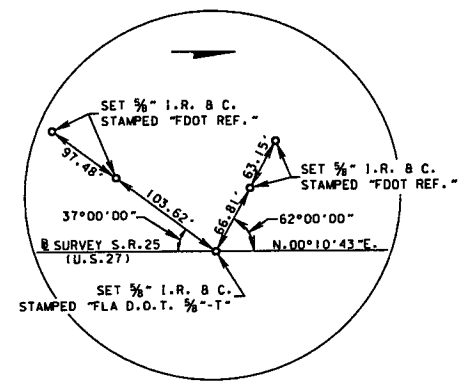
STRUCTURE	SIZE (Inches)	MATERIAL	PLOTTED	AS BUILT	REMARKS
STA. 1056+20 TO STA. 1200+00 25 YEAR DESIGN LIFE (SIDE DRAINS)	18	RCP (CLASS II)	X		DUE TO COVER HEIGHT
	24	RCP (CLASS II)	X		DUE TO COVER HEIGHT
	14X23	ERCP (CLASS III)	X		
STA. 26+00 TO STA. 28+00 (STRYKER RD.) STA. 1086+65 TO STA. 1120+00 STA. 1142+00 TO STA. 1200+00 (EXCEPT S-229, S-319, S-321, S-323 S-325, S-377, AND S-471) 50 YEAR DESIGN LIFE (STORM SEWER)	12	PVC (ASTM F-949)	X		
	18 THRU 36	RCP (CLASS II)	X		
		NRCP (CLASS II)			
	14X23	ERCP (CLASS III)	X		
S-219, S-223, S-229, S-307, S-314, S-318 S-319, S-321, S-323, S-325, S-328, S-377 S-471, S-519, S-522, S-525 50 YEAR DESIGN LIFE (STORM SEWER)	18	RCP (CLASS II)	X		DUE TO COVER HEIGHT
	36	RCP (CLASS II)	X		DUE TO COVER HEIGHT
STA. 1120+00 TO STA. 1142+00 (EXCEPT S-405, S-416, S-419, S-429 S-455, AND S-468) 100 YEAR DESIGN LIFE (URBAN STORM SEWER)	18 THRU 36	RCP (CLASS II)	X		
		NRCP (CLASS II)			
	19X30	ERCP (CLASS III)	X		
S-101, S-103, S-402, S-403, S-405, S-411 S-412, S-416, S-419, S-429, S-446, S-455 S-460, S-464, S-468 100 YEAR DESIGN LIFE (URBAN STORM SEWER)	18 THRU 42	RCP (CLASS II)	X		DUE TO COVER HEIGHT

REVISIONS						FALLER, DAVIS & ASSOCIATES, INC. 5525 W. CYPRESS ST. - SUITE 300 TAMPA, FLORIDA 33607-1707 CERTIFICATE OF AUTHORIZATION NO.: 5864 DEBORAH L. KNIGHTON, P.E. NO.: 43920	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OPTIONAL MATERIALS TABULATION	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		29
							25	HIGHLANDS	194485-1-52-01		

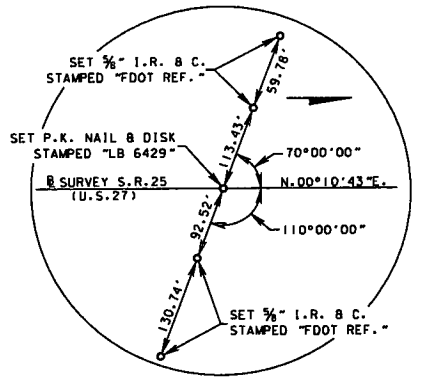
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

END CONSTRUCTION  
STA. 1232+92.00

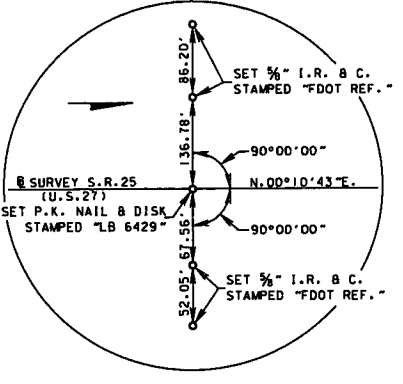
END PROJECT  
STA. 1201+52.26  
CONST. =  
SURVEY  
STA. STA. 201+52.88  
(32' RT.)



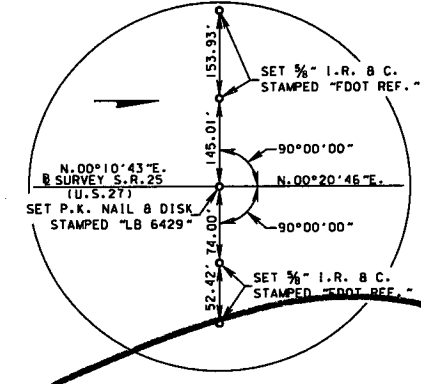
POT STA. 50+00.00



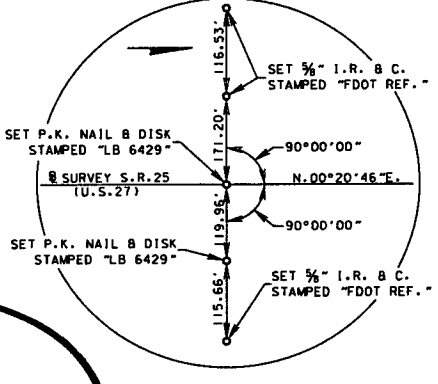
POT STA. 60+00.00



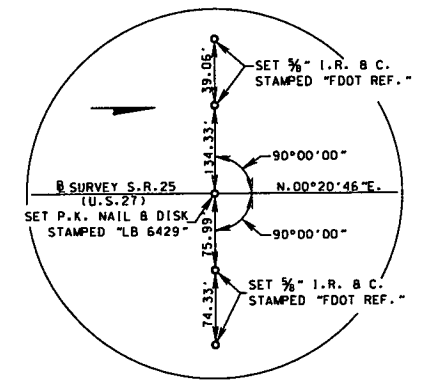
POT STA. 70+00.00



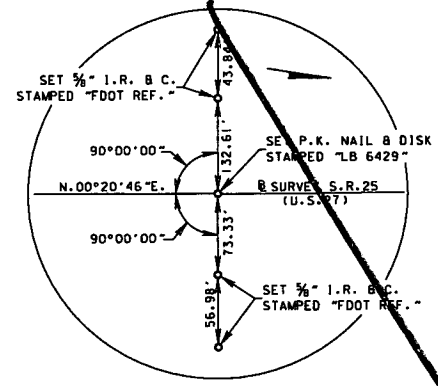
PI STA. 75+67.28  
(NO CURVE)



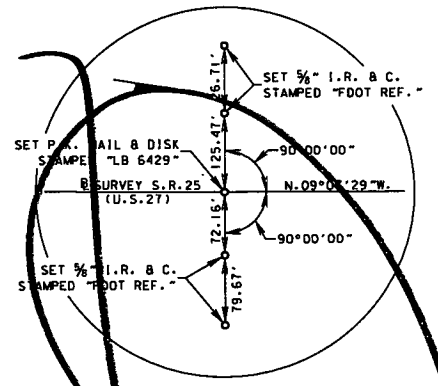
POT STA. 80+00.00



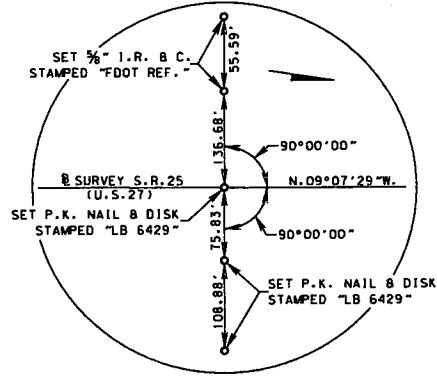
POT STA. 90+00.00



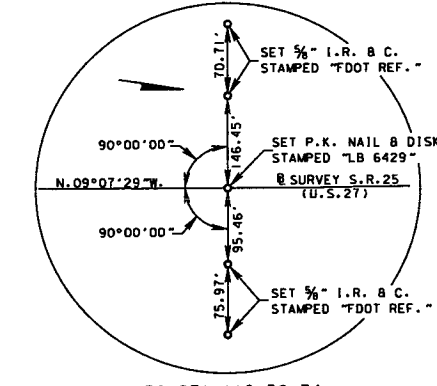
POT STA. 97+17.44



POT STA. 106+64.53



POT STA. 110+00.00



POT STA. 118+50.74

BEGIN CONSTRUCTION  
STA. 1032+10.00

BEGIN PROJECT  
STA. 1056+20.00

PC STA. 97+17.44

PT STA. 106+64.53

**B SURVEY CURVE - 1**  
PI STA. = 101+92.07  
Delta = 9° 28' 15" (LT.)  
D = 1° 00' 00"  
T = 474.62  
L = 947.08  
R = 5,729.58  
PC STA. = 97+17.45  
PT STA. = 106+64.53  
e = 0.022+/-

**B SURVEY CURVE CL 3R**  
PI STA. = 196+10.29  
Delta = 6° 50' 38" (LT.)  
D = 1° 00' 00"  
T = 342.60  
L = 684.38  
R = 5,729.58  
PC STA. = 192+67.69  
PT STA. = 199+52.07  
e = N.C. +/-

**B SURVEY CURVE CL 2R**  
PI STA. = 127+96.66  
Delta = 29° 17' 54" (LT.)  
D = 1° 35' 00"  
T = 945.92  
L = 1,850.43  
R = 3,618.68  
PC STA. = 118+50.74  
PT STA. = 137+01.17  
e = 0.032+/-

**CONST. CURVE CL 27-5**  
PI STA. = 1057+30.64  
Delta = 2° 52' 02" (LT.)  
D = 0° 19' 59"  
T = 430.71  
L = 861.23  
R = 17,209.74  
PC STA. = 1052+99.94  
PT STA. = 1061+61.17  
e = N.C.

**CONST. CURVE CL 27-6**  
PI STA. = 1063+70.57  
Delta = 2° 52' 05" (RT.)  
D = 0° 41' 06"  
T = 209.40  
L = 418.71  
R = 8,364.26  
PC STA. = 1061+61.17  
PT STA. = 1065+79.88  
e = N.C.

**CONST. CURVE 27-7**  
PI STA. = 1101+90.05  
Delta = 9° 28' 15" (LT.)  
D = 1° 00' 20"  
T = 471.97  
L = 941.79  
R = 5,697.58  
PC STA. = 1097+18.08  
PT STA. = 1106+59.87  
e = 0.021

**CONST. CURVE CL 27-12**  
PI STA. = 1129+14.42  
Delta = 29° 17' 54" (LT.)  
D = 1° 28' 29"  
T = 1,015.53  
L = 1,986.61  
R = 3,885.00  
PC STA. = 1118+98.89  
PT STA. = 1138+85.50  
e = 0.032

REFERENCE POINT DETAILS  
NOT TO SCALE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**PROJECT LAYOUT AND  
REFERENCE POINTS**

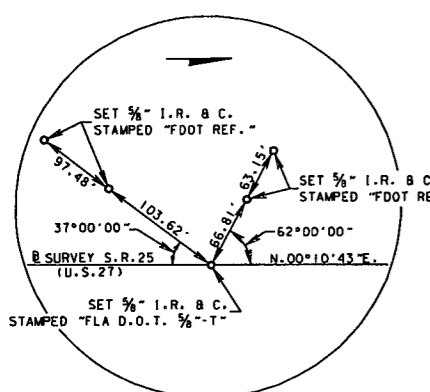
SHEET  
NO.  
30

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.

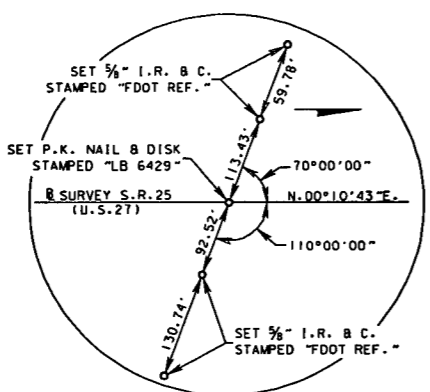
Rev 3 10/7/11

END CONSTRUCTION STA. 1232+92.00

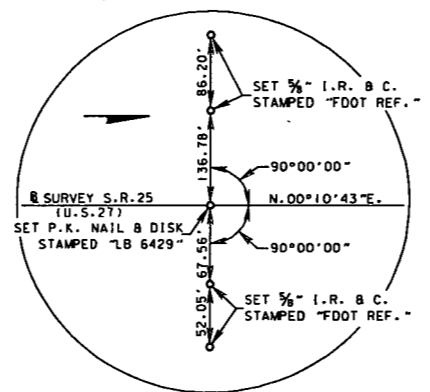
END PROJECT  
 STA. 1201+52.26  
 @ CONST. =  
 @ SURVEY STA. 201+52.88  
 (32' RT.)



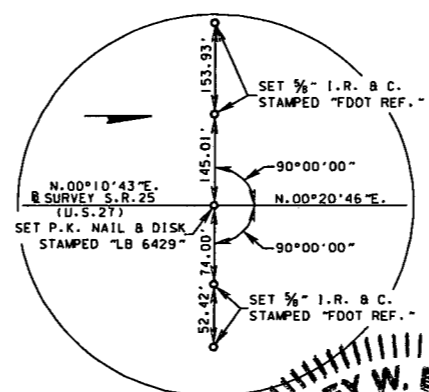
POT STA. 50+00.00



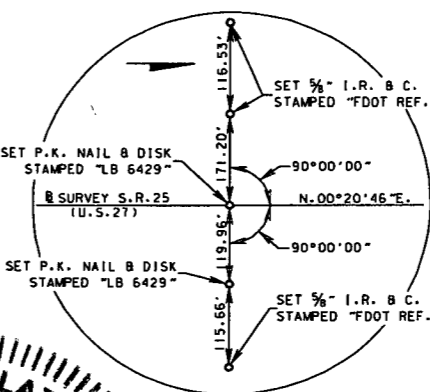
POT STA. 60+00.00



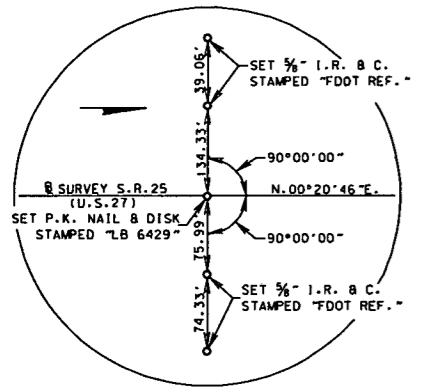
POT STA. 70+00.00



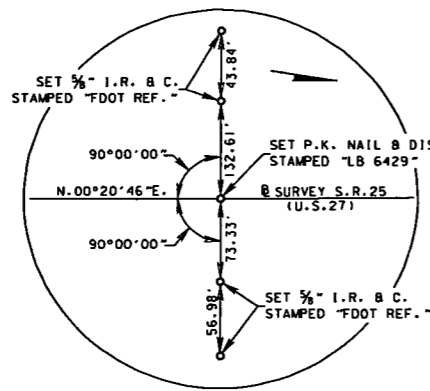
POT STA. 80+00.00



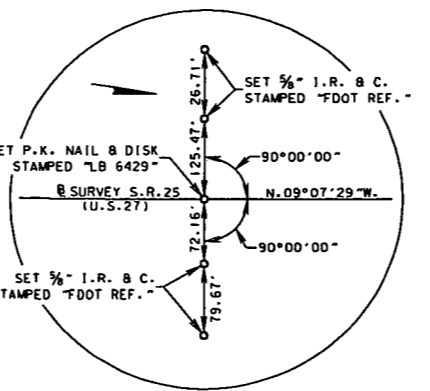
POT STA. 90+00.00



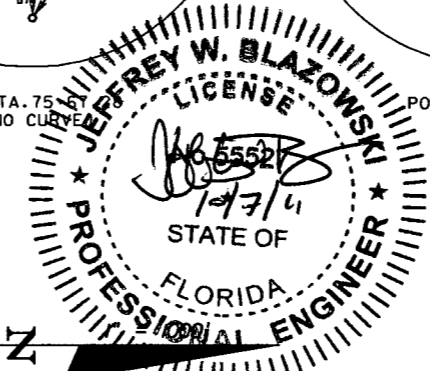
POT STA. 90+00.00



POT STA. 100+00.00



POT STA. 110+00.00



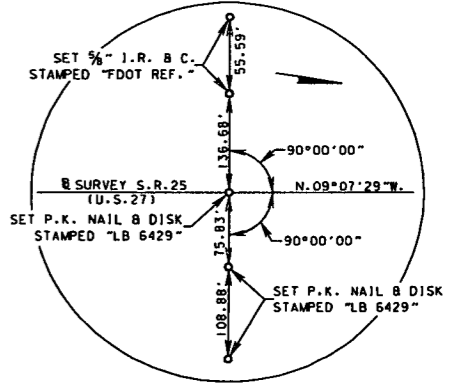
BEGIN CONSTRUCTION STA. 1032+10.00

BEGIN PROJECT STA. 1056+20.00  
 @ CONST. =  
 @ SURVEY STA. 56+19.98 (2.98' LT.)  
 MP 15.281

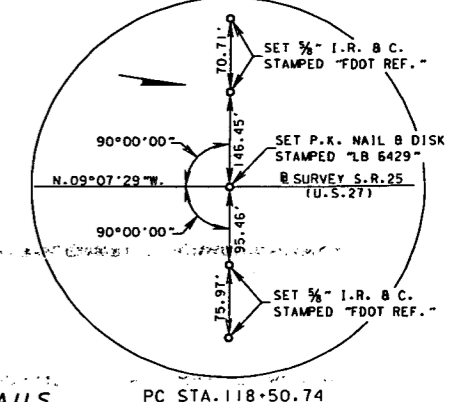
@ SURVEY CURVE - 1  
 PI STA. = 101+92.07  
 Delta = 9° 28' 15" (LT.)  
 D = 1° 00' 00"  
 T = 474.62  
 L = 947.08  
 R = 5,729.58  
 PC STA. = 97+17.45  
 PT STA. = 106+64.53  
 e = 0.022+/-

@ SURVEY CURVE CL 3R  
 PI STA. = 196+10.29  
 Delta = 6° 50' 38" (LT.)  
 D = 1° 00' 00"  
 T = 342.60  
 L = 684.38  
 R = 5,729.58  
 PC STA. = 192+67.69  
 PT STA. = 199+52.07  
 e = N.C. +/-

@ SURVEY CURVE CL 2R  
 PI STA. = 127+96.66  
 Delta = 29° 17' 54" (LT.)  
 D = 1° 35' 00"  
 T = 945.92  
 L = 1,850.43  
 R = 3,618.68  
 PC STA. = 118+50.74  
 PT STA. = 137+01.17  
 e = 0.032+/-



POT STA. 110+00.00



POT STA. 118+50.74

@ CONST. CURVE CL 27-5  
 PI STA. = 1057+30.64  
 Delta = 2° 52' 02" (LT.)  
 D = 0° 19' 59"  
 T = 430.71  
 L = 861.23  
 R = 17,209.74  
 PC STA. = 1052+99.94  
 PT STA. = 1061+61.17  
 e = N.C.

@ CONST. CURVE CL 27-6  
 PI STA. = 1063+70.57  
 Delta = 2° 52' 05" (RT.)  
 D = 0° 41' 06"  
 T = 209.40  
 L = 418.71  
 R = 8,364.26  
 PRC STA. = 1061+61.17  
 PT STA. = 1065+79.88  
 e = N.C.

@ CONST. CURVE 27-7  
 PI STA. = 1101+90.05  
 Delta = 9° 28' 15" (LT.)  
 D = 1° 00' 20"  
 T = 471.97  
 L = 941.79  
 R = 5,697.58  
 PC STA. = 1097+18.08  
 PT STA. = 1106+59.87  
 e = 0.021

@ CONST. CURVE CL 27-12  
 PI STA. = 1129+14.42  
 Delta = 29° 17' 54" (LT.)  
 D = 1° 08' 29"  
 T = 1,015.53  
 L = 1,986.61  
 R = 3,885.00  
 PC STA. = 1118+98.89  
 PT STA. = 1138+85.50  
 e = 0.032

@ CONST. CURVE ALTA VON  
 PI STA. = 11+21.06  
 DELTA = 25° 32' 47" (LT)  
 D = 10° 43' 46"  
 T = 121.06  
 L = 238.09  
 R = 534.00  
 PC STA. = 10+00.00  
 PT STA. = 12+38.09  
 e = 0.020

REFERENCE POINT DETAILS NOT TO SCALE

REVISIONS		DATE	BY	DESCRIPTION
10/7/11	JWB			ADDED CURVE DATA FOR AVON BLVD NORTH

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**PROJECT LAYOUT AND  
REFERENCE POINTS**

SHEET NO.	30
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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.

GENERAL NOTES

1. BENCH MARK DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD - 29).
2. BUILDINGS TO BE REMOVED BY OTHERS, UNLESS OTHERWISE NOTED.
3. ALL PAVEMENT OFFSETS SHOWN ARE TO THE PROPOSED CENTERLINE OF CONSTRUCTION S.R. 25 UNLESS OTHERWISE NOTED. ALL RADII AND DIMENSIONS ARE TO THE PROPOSED EDGE OF PAVEMENT.
4. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL BE REMOVED, UNLESS OTHERWISE NOTED.
5. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE PROJECT ENGINEER SHOULD NOTIFY THE DISTRICT LOCATION SURVEYOR, BOB BRANDENBURG (863-519-2290), WITHOUT DELAY.
6. EXISTING DRIVEWAY CONNECTIONS WITHIN THE LIMITS OF THIS PROJECT, ARE TO BE REPLACED AT THE SAME LOCATION, AND WIDTH, UNLESS OTHERWISE SHOWN IN PLANS. ALL DRIVEWAY LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
7. ALL RURAL DRIVEWAYS SHALL BE CONSTRUCTED AS PER FDOT STANDARDS INDEX 515 WITH 25' RADII UNLESS OTHERWISE SHOWN IN PLAN.
8. SHOULDER CROSS SLOPES SHALL BE ADJUSTED AS NECESSARY WITHIN THE LIMITS OF MARKED PEDESTRIAN CROSSINGS TO MEET ADA GRADE REQUIREMENTS.
9. ALL URBAN FLARED DRIVEWAYS SHALL BE CONSTRUCTED AS PER FDOT STANDARD INDEX 515, ALPHA NUMERIC M-13 UNLESS OTHERWISE SHOWN IN PLAN.
10. THE CONTRACTOR IS TO MAINTAIN AND KEEP STREET NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION OPERATIONS, IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.
11. TRAFFIC SHALL NOT BE ALLOWED ON ANY MILLED SURFACE UNLESS SPECIFICALLY DESIGNATED OTHERWISE. REPAVE ALL MILLED SURFACES NO LATER THAN THE SAME DAY THE SURFACE IS MILLED.
12. ALL PAVED INTERSECTIONS TO BE RESURFACED TO THE FARTHEST RADIUS RETURN UNLESS OTHERWISE SHOWN IN THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER.
13. MILLING AND RESURFACING OPERATIONS SHALL NOT BE ACCOMPLISHED IN SUCH A MANNER AS TO REFLECT IRREGULARITIES IN THE EXISTING CURB AND GUTTER.
14. EXISTING ASPHALT AND BASE THAT CONFLICTS WITH THE CONSTRUCTION OF WIDENING SHALL BE REMOVED.
15. DURING CONSTRUCTION, ANY MANHOLE WITH A TOP ELEVATION OF 1/2" OR MORE ABOVE THE ADJACENT PAVEMENT SHALL HAVE A TEMPORARY ASPHALT APRON CONSTRUCTED AS SHOWN IN INDEX 600. WHEN THE POSTED SPEED LIMIT IS 50 MPH OR LESS AND THE CONDITION IS EXPECTED TO LAST LESS THAN 24 HOURS, THE ENGINEER MAY WAIVE THE APRON REQUIREMENT. THIS REQUIREMENT MAY NOT BE WAIVED WHEN THE ELEVATION DIFFERENCE EXCEEDS ONE INCH.

THE SAME CRITERIA STATED ABOVE SHALL APPLY TO DIFFERENCES IN ELEVATION AT THE BEGINNING OR END OF ANY MILLING ACTIVITIES, AS WELL AS ANY LONGITUDINAL JOINTS WITHING THE LIMITS OF SIGNALIZED INTERSECTIONS.

ALL OTHER DIFFERENCES IN ELEVATION, AS WELL AS REMOVAL AND PAYMENT FOR APRONS SHALL BE PER INDEX 600.

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REVISIONS						URS Corporation Southern 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462 Certificate of Authorization No. 00000002 Jeffrey W. Blazowski, P.E. No. 55527	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		31
						25	HIGHLANDS	194485-1-52-01			

GENERAL NOTES

RAILROAD STANDARD NOTES

1. CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF TRAFFIC WITHIN THE RAILROAD RIGHT OF WAY.
2. RAILROAD CONTACT IS:
  - MR. ED FELTON, CSXT ROADMASTER  
501 MCKEAN STREET  
AUBURNDALE FL. 33823  
OFFICE: 863-968-0642  
CELL: 305-552-0618
  - CSX GENERAL OFFICE  
TAMPA, FL.  
(813) 664-6211
  - MR. PETE MARRERO, ASSISTANT DIVISION ENGINEER, CSXT  
5656 ADAMO DRIVE  
TAMPA, FL. 33619-3240  
OFFICE: 863-664-6235  
EMAIL: pete.marrero@csx.com
3. CONTRACTOR SHALL ADJUST ASPHALT THICKNESS TO 3" AT RAILROAD APPROACHES.

GENERAL NOTE CONCERNING CONTAMINATION:

THE CONTRACTOR SHOULD BE AWARE OF POSSIBLE CONTAMINATION AS NOTED ON THE PLAN SHEETS. THE MARKED AREAS ARE ESTIMATED, AND COULD VARY IN SIZE FROM WHAT IS SHOWN. CONTAMINATED MATERIAL (INCLUDING GROUNDWATER) WILL BE DISPOSED OF BY OTHERS AS IT IS ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE SCHEDULE OF CONSTRUCTION ACTIVITIES WITH FDOT'S DISTRICT WIDE ASSESSMENT/REMEDIATION CONTRACTOR.

DRY RETENTION POND NOTES

1. ALL PONDS ARE PROPOSED TO FUNCTION AS DRY RETENTION PONDS, WHERE RECOVERY IS DEPENDENT UPON INFILTRATION INTO THE SOIL.
2. DRY RETENTION AREAS (LINEAR PONDS AND OFFSITE PONDS) SHALL BE AVOIDED FOR USE AS TEMPORARY SEDIMENT BASINS. IF THE PROPOSED DRY RETENTION AREA IS NEEDED FOR A SEDIMENT BASIN AREA DURING CONSTRUCTION, THE FOLLOWING SHALL APPLY:
  - a. THE POND SHALL BE PARTIALLY CONSTRUCTED. EXCAVATED PONDS SHALL BE EXCAVATED TO A DEPTH OF SIX INCHES ABOVE THE PROPOSED POND BOTTOM ELEVATION. EMBANKMENT PONDS SHALL BE OVERFILLED TO SIX INCHES ABOVE THE PROPOSED POND BOTTOM ELEVATION.
  - b. AFTER CONSTRUCTION IS COMPLETE, THE FINAL SIX INCHES OF SOIL AND ADDITIONAL ACCUMULATED SEDIMENTS AND FINES ARE TO BE REMOVED AND DISPOSED OF OFFSITE.
  - c. IF POSSIBLE, THE SEDIMENT BASIN AREA SHALL BE LIMITED TO ONLY THE AREA NEEDED DURING CONSTRUCTION. THE SEDIMENT BASIN AREA SHALL HAVE A TEMPORARY BERM CONSTRUCTED TO SEPARATE IT FROM THE REMAINDER OF THE DRY RETENTION AREA.
3. THE UTILIZATION OF A BLADDER TO FILTER FINES SHOULD BE CONSIDERED FOR DISCHARGE OF WATER INTO ANY DRY RETENTION AREA (EXISTING OR PROPOSED) DURING CONSTRUCTION.
4. PROPOSED DRY RETENTION AREAS TO BE CONSTRUCTED BY MEANS OF EXCAVATION SHALL NOT BE OVER-EXCAVATED AND BACK FILLED WITH IMPORTED SOILS UNLESS NOTED ON THE PLANS OR APPROVED BY THE ENGINEER.
5. PROPOSED DRY RETENTION AREAS REQUIRING EMBANKMENT TO ACHIEVE THEIR PROPOSED CONFIGURATION SHALL BE CONSTRUCTED OF A-3 SOILS. EMBANKMENT SOILS SHALL NOT BE COMPACTED.
6. CARE SHALL BE TAKEN DURING CONSTRUCTION TO MINIMIZE THE USE OF HEAVY EQUIPMENT ON THE BOTTOM OF THE PROPOSED DRY RETENTION AREAS TO AVOID COMPACTION OF THE SOILS.
7. ONCE FINAL GRADING OF THE PROPOSED DRY RETENTION AREA IS COMPLETE, THE BOTTOM SHALL BE SCARIFIED TO LOOSEN THE SURFACE SOILS.
8. A DOUBLE RING INFILTRATION TEST CONDUCTED BY AN APPROVED GEOTECHNICAL FIRM (OR DEPARTMENT PERSONNEL) SHALL BE PERFORMED AT THE BOTTOM OF POND 1, POND 2-1, POND 4-1, AND ANY LINEAR DRY PONDS UTILIZED FOR TEMPORARY SEDIMENT BASINS, ONCE CONSTRUCTION IS COMPLETE, TO VERIFY THAT THE INFILTRATION CAPACITY OF THE SOILS HAVE NOT BEEN COMPROMISED BY THE CONSTRUCTION ACTIVITIES. THE INFILTRATION RATES FOR THE NATIVE SOILS RANGE BETWEEN 20 AND 78 FEET PER DAY. THE POST-CONSTRUCTION INFILTRATION RATE SHALL BE NO LESS THAN 20 FEET PER DAY. SHOULD THE TESTING RESULTS INDICATE THAT THE INFILTRATION RATES DO NOT MEET THE SPECIFIED RATE, THE ENGINEER SHALL BE CONSULTED TO DETERMINE WHETHER THE INFILTRATION RATES WILL BE SUFFICIENT OR IF REMEDIATION WILL BE NECESSARY. IF REMEDIATION IS REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AN ACTION PLAN FOR APPROVAL BY THE ENGINEER, AND FOR COMPLETING THE REMEDIATION.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**GENERAL NOTES**

SHEET NO.

32

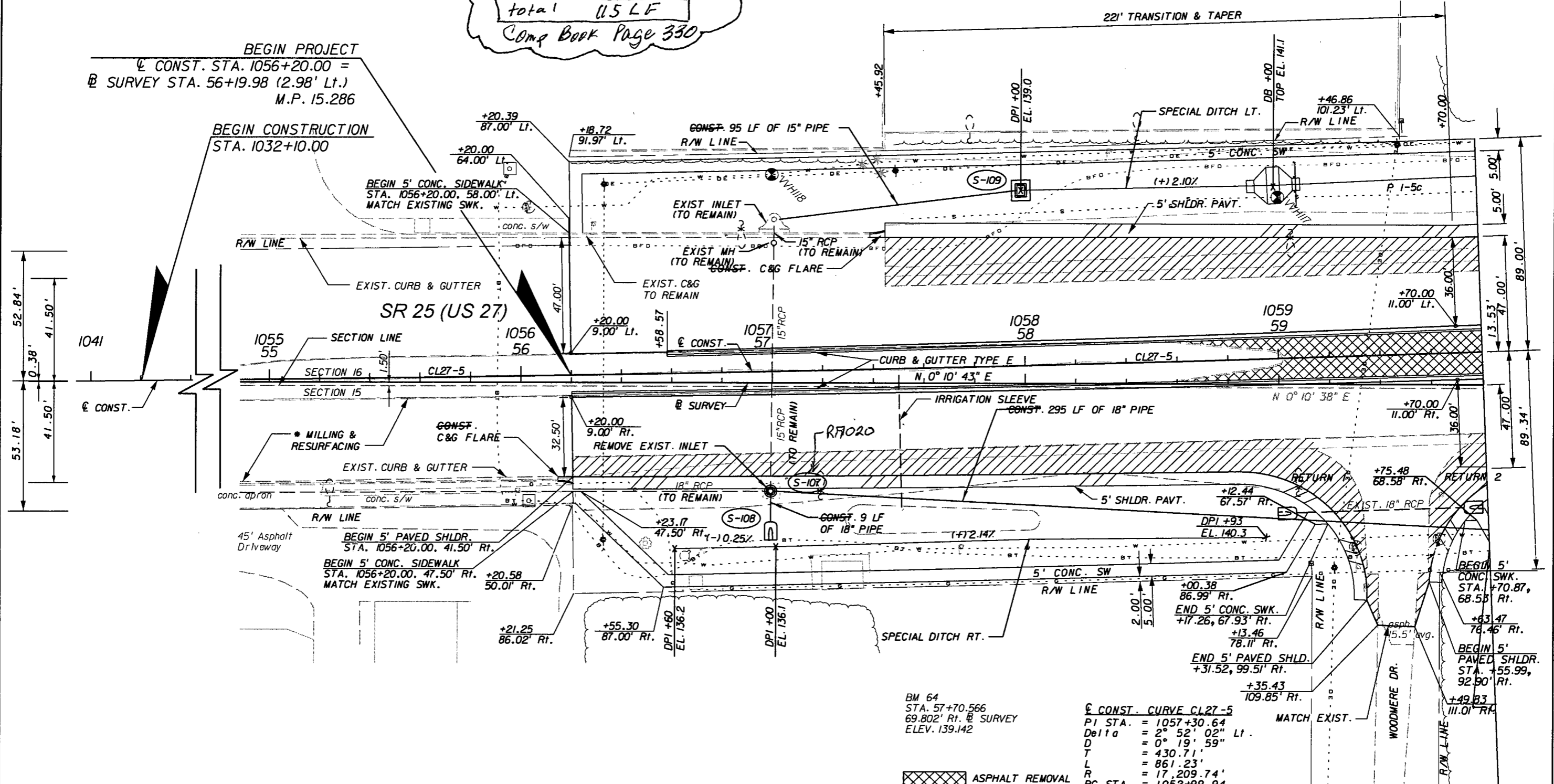
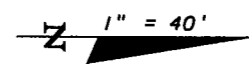
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# IRRIGATION STEEL CASING STATIONING TABLE

Final

CASING NO.	BASELINE	BEGIN STATION (OFFSET)	END STATION (OFFSET)	
1	€ CONST.	STA. 1057+50.00 (2.5' RT.)	STA. 1057+50.00 (58.5' RT.)	57 LF
1	€ CONST.	STA. 1071+90.00 (3.75' RT.)	STA. 1071+90.00 (62.0' RT.)	58 LF

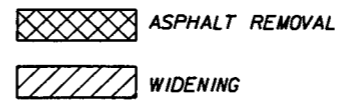
total 115 LF  
Comp Book Page 330



\* FOR NB MILLING & RESURFACING LIMITS, SEE TYPICAL SECTION #4.

BM 64  
STA. 57+70.566  
69.802' Rt. @ SURVEY  
ELEV. 139.142

€ CONST. CURVE CL27-5  
PI STA. = 1057+30.64  
Delta = 2° 52' 02" Lt.  
D = 0° 19' 59"  
T = 430.71'  
L = 861.23'  
R = 17,209.74'  
PC STA. = 1052+99.94  
PRC STA. = 1061+61.17  
e = N.C.



WOODMERE DRIVE	RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	50.00'	+82.73	45.63' Rt.	+31.52	99.51' Rt.	
2	50.00'	+55.99	92.90' Rt.	+05.55	47.00' Rt.	

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

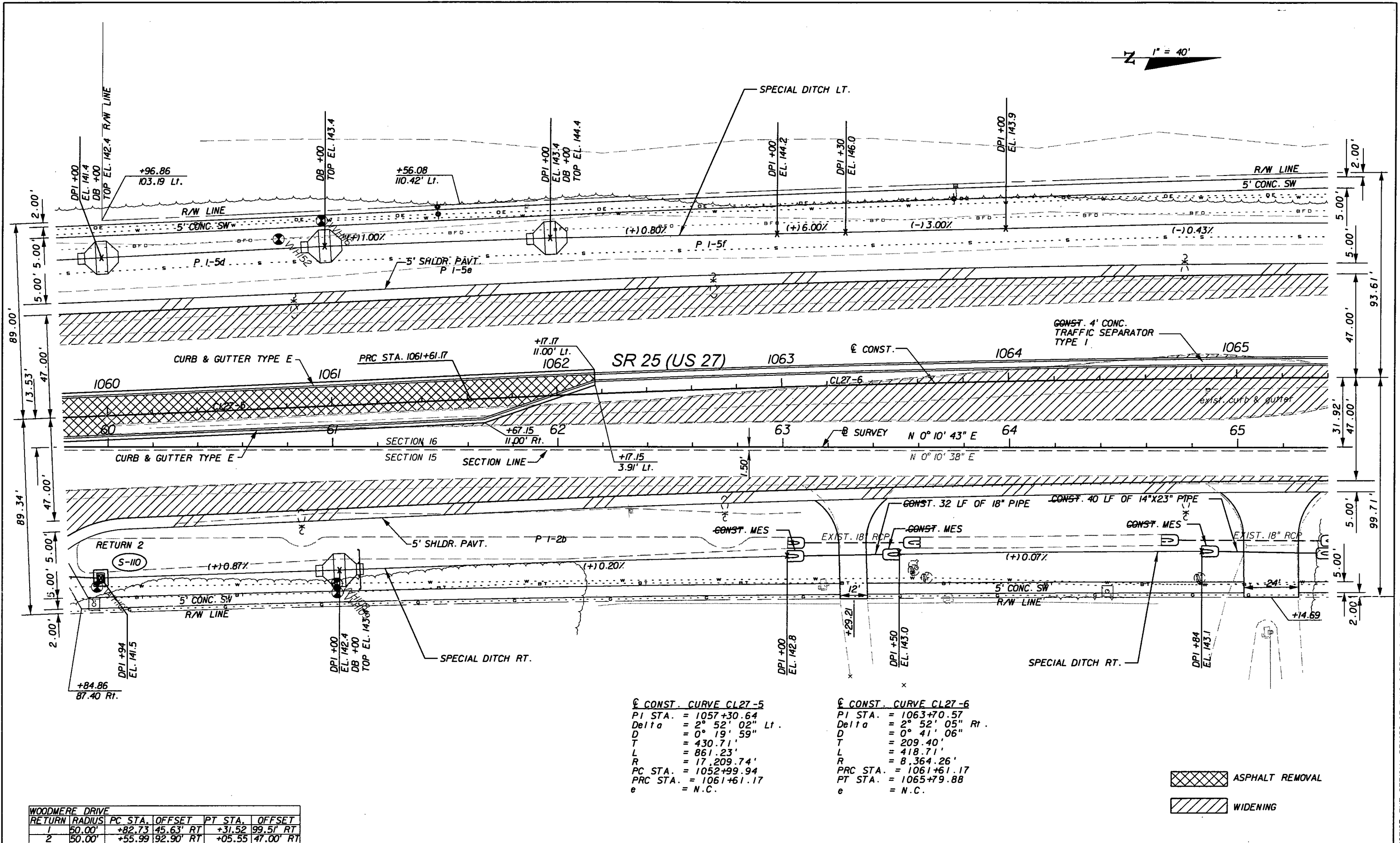
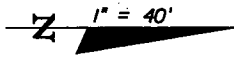
**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
ROAD NO. 25 COUNTY HIGHLANDS FINANCIAL PROJECT ID 194485-1-52-01

PLAN (1)

SHEET NO. 33

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<p>CONST. CURVE CL27-5</p> <p>PI STA. = 1057+30.64</p> <p>Delta = 2° 52' 02" Lt.</p> <p>D = 0° 19' 59"</p> <p>T = 430.71'</p> <p>L = 861.23'</p> <p>R = 17,209.74'</p> <p>PC STA. = 1052+99.94</p> <p>PT STA. = 1061+61.17</p> <p>e = N.C.</p>	<p>CONST. CURVE CL27-6</p> <p>PI STA. = 1063+70.57</p> <p>Delta = 2° 52' 05" Rt.</p> <p>D = 0° 41' 06"</p> <p>T = 209.40'</p> <p>L = 418.71'</p> <p>R = 8,364.26'</p> <p>PC STA. = 1061+61.17</p> <p>PT STA. = 1065+79.88</p> <p>e = N.C.</p>
--	---

ASPHALT REMOVAL  
 WIDENING

RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	50.00'	+82.73	45.63' RT	+31.52	99.51' RT
2	50.00'	+55.99	92.90' RT	+05.55	47.00' RT

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

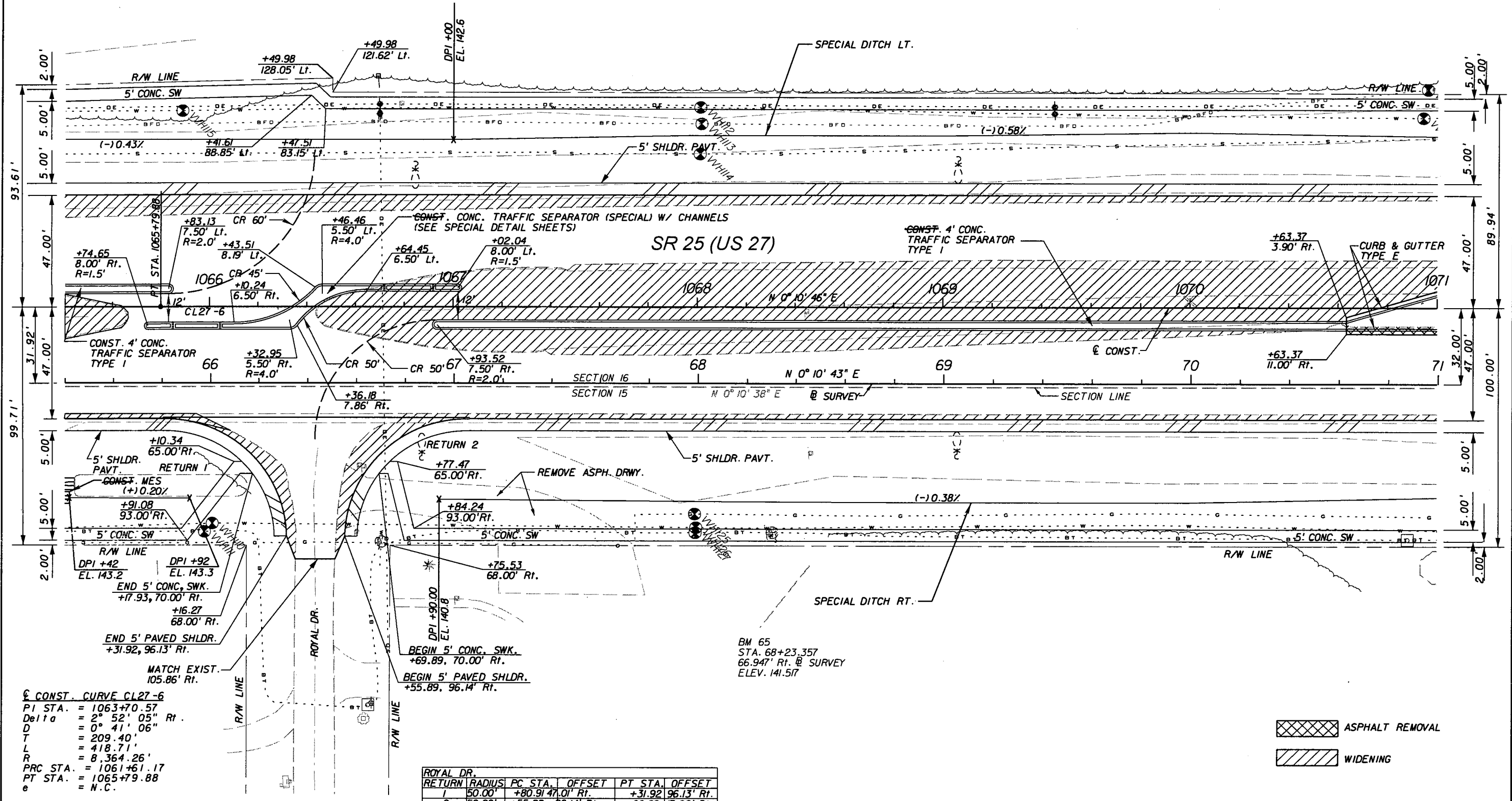
PLAN (2)

SHEET NO.  
 34

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.



1" = 40'



**CONST. CURVE CL27-6**  
 PI STA. = 1063+70.57  
 Delta = 2° 52' 05" Rt.  
 D = 0° 41' 06"  
 T = 209.40'  
 L = 418.71'  
 R = 8,364.26'  
 PRC STA. = 1061+61.17  
 PT STA. = 1065+79.88  
 e = N.C.

ROYAL DR.	RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	50.00'	+80.91	47.01' Rt.	+31.92	96.13' Rt.	
2	50.00'	+55.88	96.14' Rt.	+06.89	47.02' Rt.	

ASPHALT REMOVAL  
 WIDENING

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

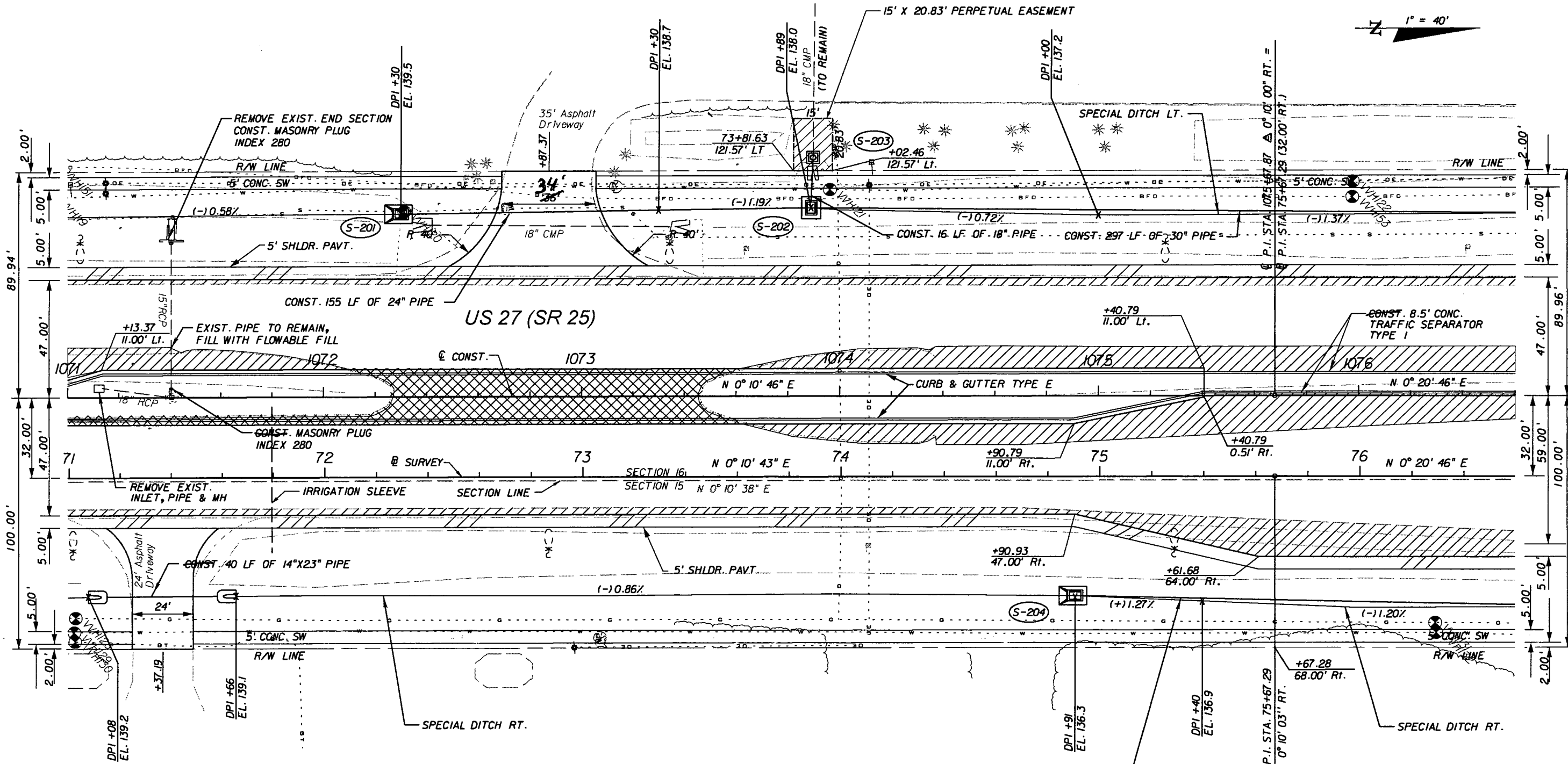
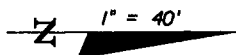
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

PLAN (3)

SHEET NO.  
35



CASING NO.	BASELINE	BEGIN STATION (OFFSET)	END STATION (OFFSET)
1	∅ CONST.	STA. 1057+50.00 (2.5' RT.)	STA. 1057+50.00 (58.5' RT.)
1	∅ CONST.	STA. 1071+90.00 (3.75' RT.)	STA. 1071+90.00 (62.0' RT.)

ASPHALT REMOVAL  
 WIDENING

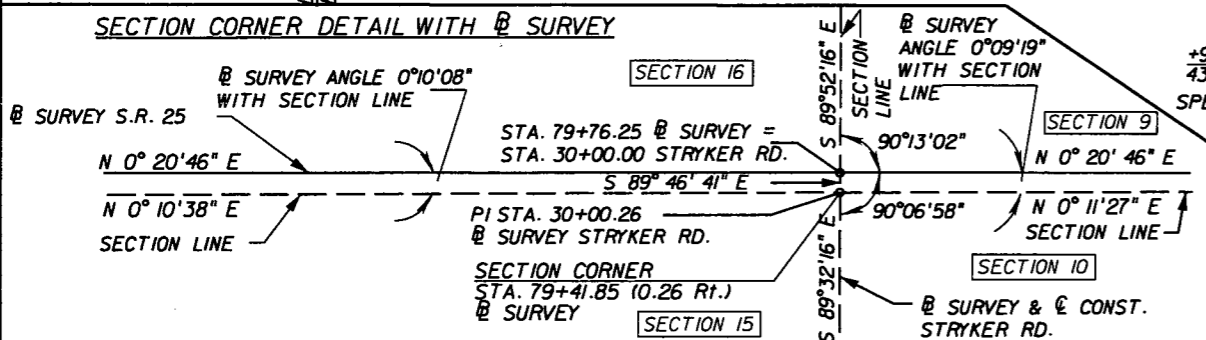
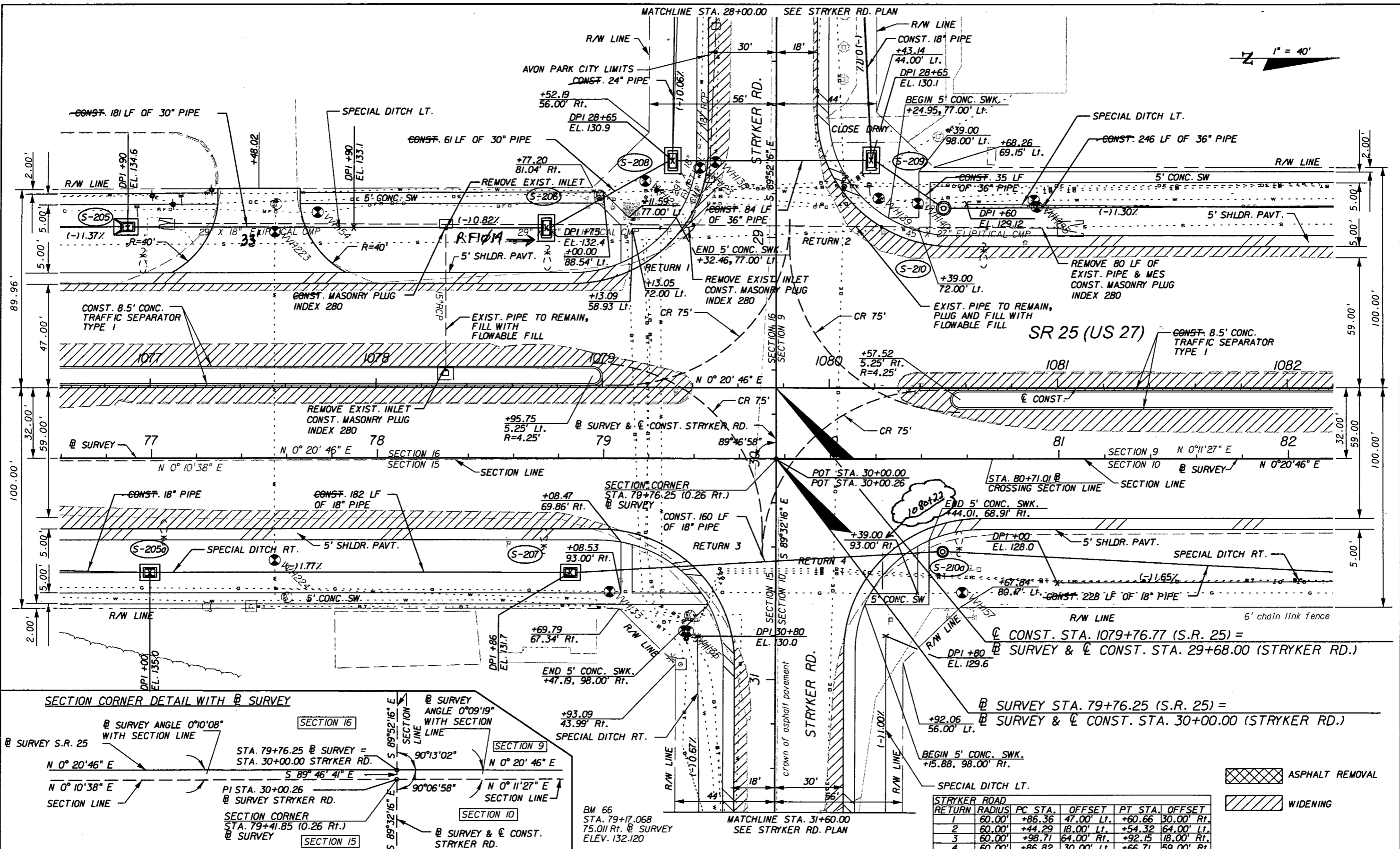
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**PLAN (4)**  
 SHEET NO. 36

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.



BM 66  
STA. 79+17.068  
75.011 Rt. @ SURVEY  
ELEV. 132.120

STRYKER ROAD					
RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	60.00'	+86.36	47.00' Lt.	+60.66	30.00' Rt.
2	60.00'	+44.29	18.00' Lt.	+54.32	64.00' Lt.
3	60.00'	+98.71	64.00' Rt.	+92.15	18.00' Rt.
4	60.00'	+86.82	30.00' Lt.	+66.71	59.00' Rt.

ASPHALT REMOVAL  
WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

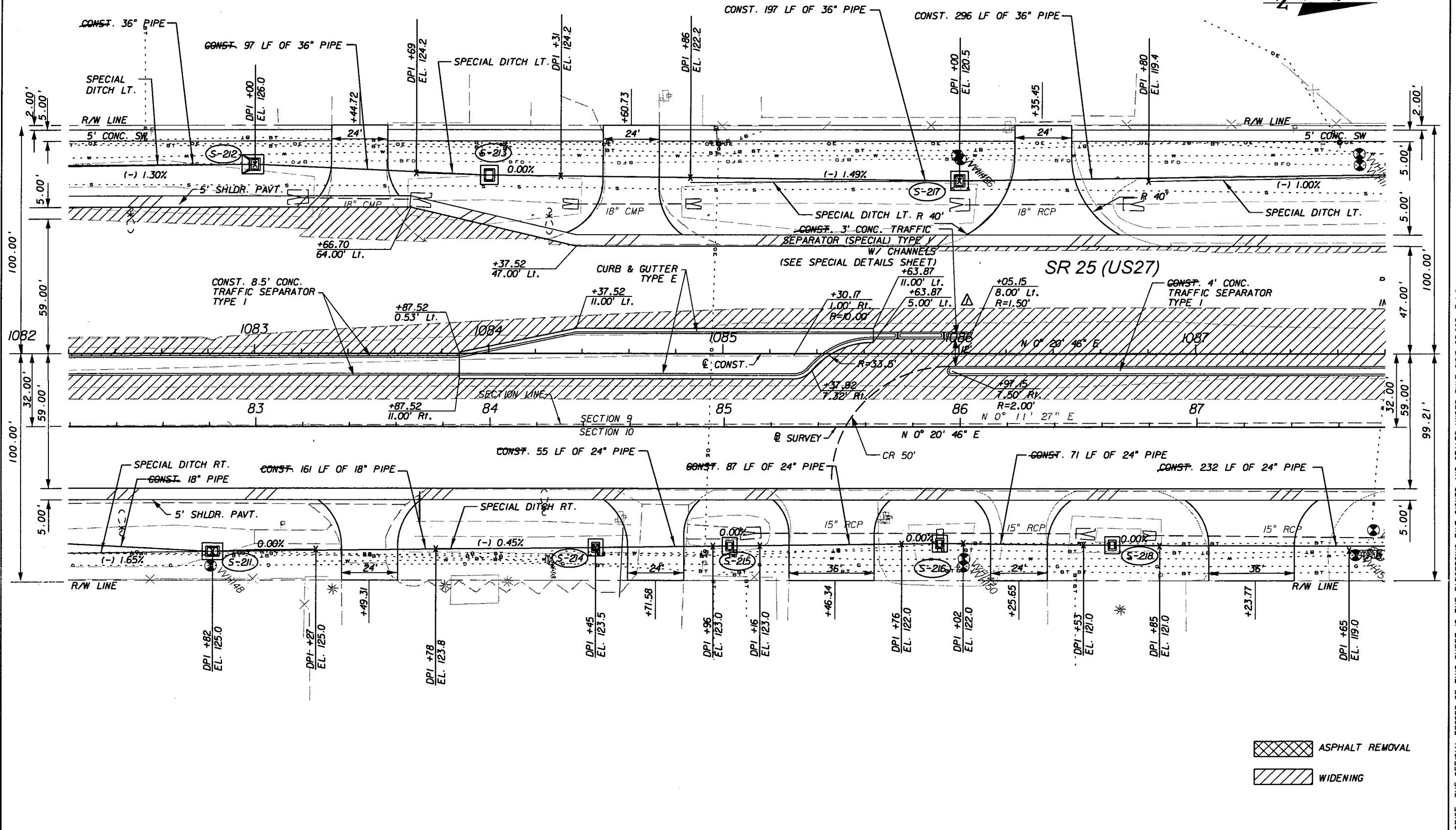
**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
ROAD NO. 25 COUNTY HIGHLANDS FINANCIAL PROJECT ID 194485-1-52-01

PLAN (5)  
SHEET NO. 37

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.

1" = 40'



ASPHALT REMOVAL  
 WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADDED SB DIRECTIONAL MEDIAN OPENING.			

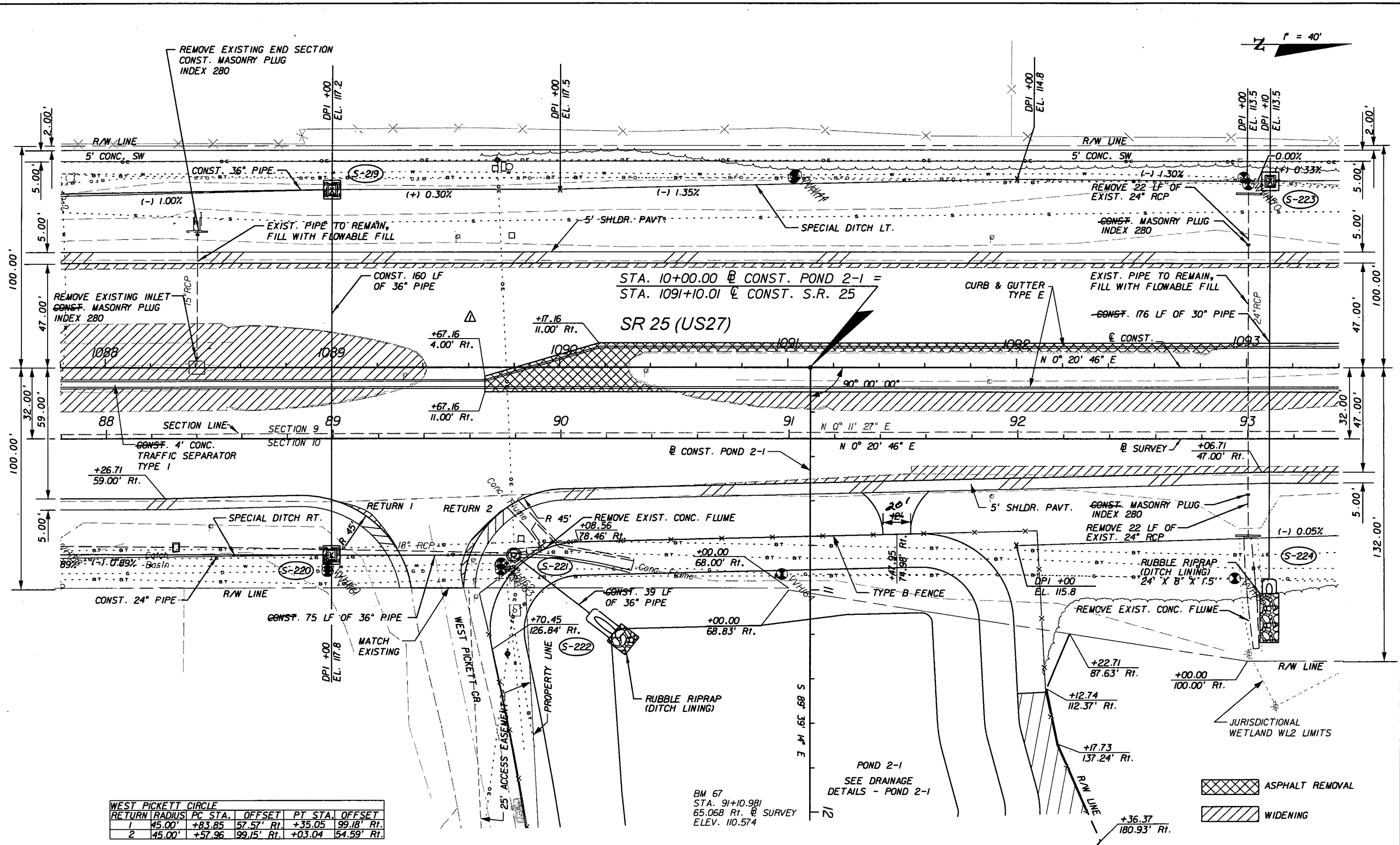
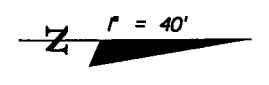
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 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

PLAN (6)

SHEET NO.  
 38

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WEST PICKETT CIRCLE					
RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	45.00'	+83.85	57.57' Rt.	+35.05	99.18' Rt.
2	45.00'	+57.96	99.15' Rt.	+03.04	54.59' Rt.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISED MEDIAN.			

**URS**  
 URS Corporation Southern  
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 Tampa, FL 33607-1462  
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STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

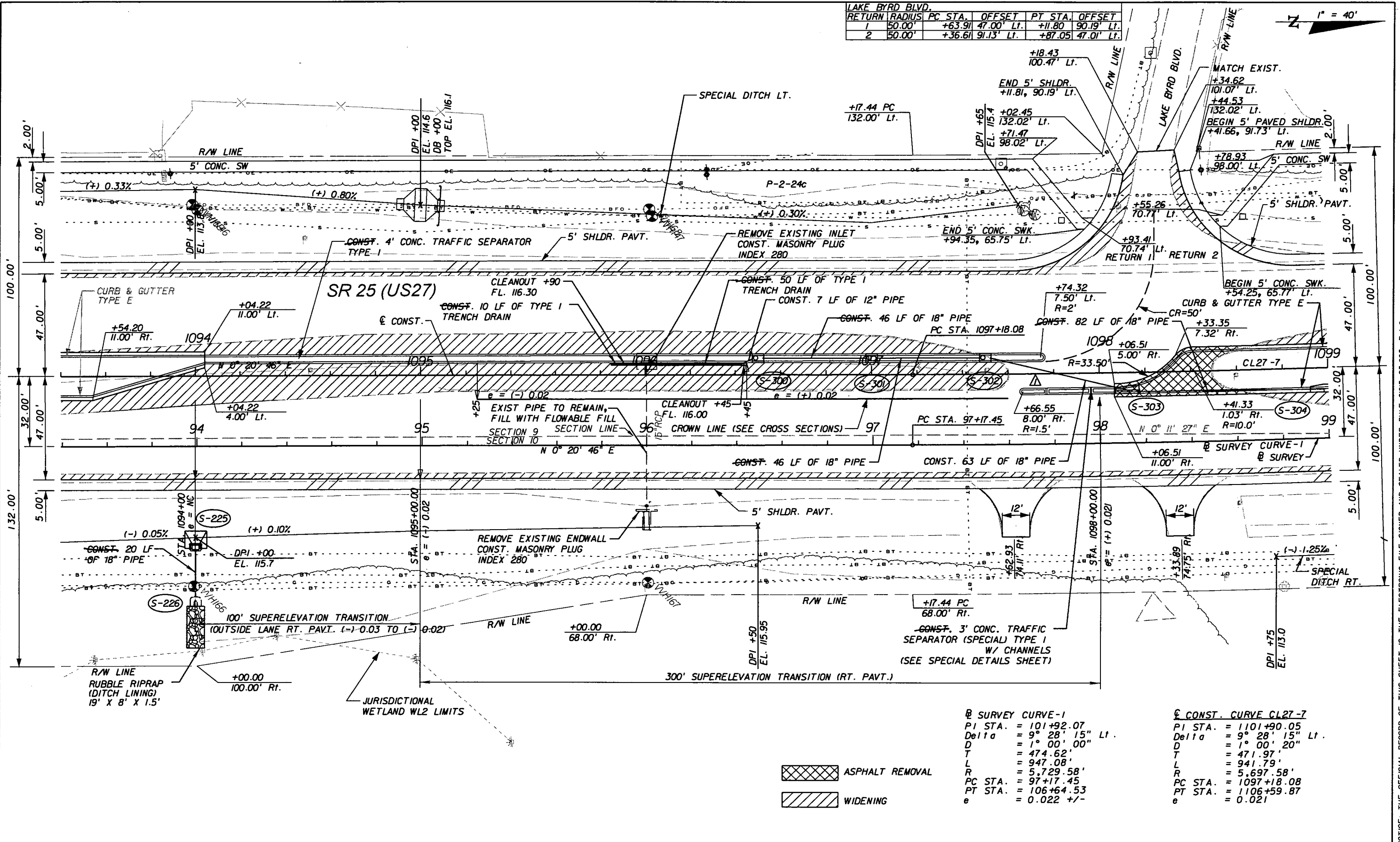
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

PLAN (7)

SHEET NO.  
39

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RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	50.00'	+63.91	47.00' Lt.	+11.80	90.19' Lt.
2	50.00'	+36.61	91.13' Lt.	+87.05	47.01' Lt.



@ SURVEY CURVE-1  
 PI STA. = 101+92.07  
 Delta = 9° 28' 15" Lt.  
 D = 1° 00' 00"  
 T = 474.62'  
 L = 947.08'  
 R = 5,729.58'  
 PC STA. = 97+17.45  
 PT STA. = 106+64.53  
 e = 0.022 +/-

@ CONST. CURVE CL27-7  
 PI STA. = 1101+90.05  
 Delta = 9° 28' 15" Lt.  
 D = 1° 00' 20"  
 T = 471.97'  
 L = 941.79'  
 R = 5,697.58'  
 PC STA. = 1097+18.08  
 PT STA. = 1106+59.87  
 e = 0.021

ASPHALT REMOVAL  
 WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADDED NB DIRECTIONAL MEDIAN OPENING.			

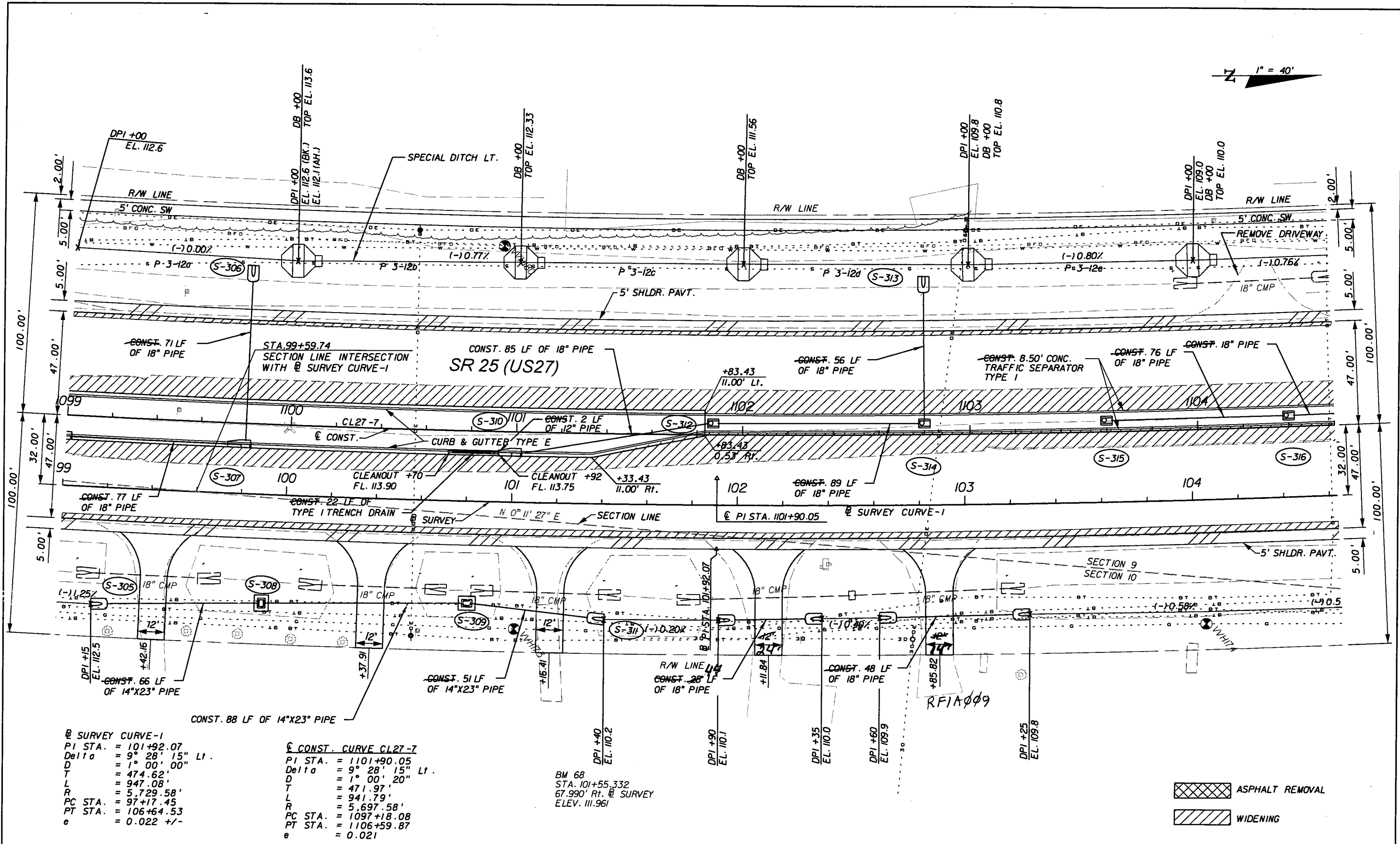
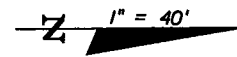
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
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 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**PLAN (8)**

SHEET NO.  
40

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.



@ SURVEY CURVE-1  
 PI STA. = 101+92.07  
 Delta = 9° 28' 15" Lt.  
 D = 1° 00' 00"  
 T = 474.62'  
 L = 947.08'  
 R = 5,729.58'  
 PC STA. = 97+17.45  
 PT STA. = 106+64.53  
 e = 0.022 +/-

@ CONST. CURVE CL27-7  
 PI STA. = 1101+90.05  
 Delta = 9° 28' 15" Lt.  
 D = 1° 00' 20"  
 T = 471.97'  
 L = 941.79'  
 R = 5,697.58'  
 PC STA. = 1097+18.08  
 PT STA. = 1106+59.87  
 e = 0.021

BM 68  
 STA. 101+55.332  
 67.990' Rt. @ SURVEY  
 ELEV. 111.961

ASPHALT REMOVAL  
 WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

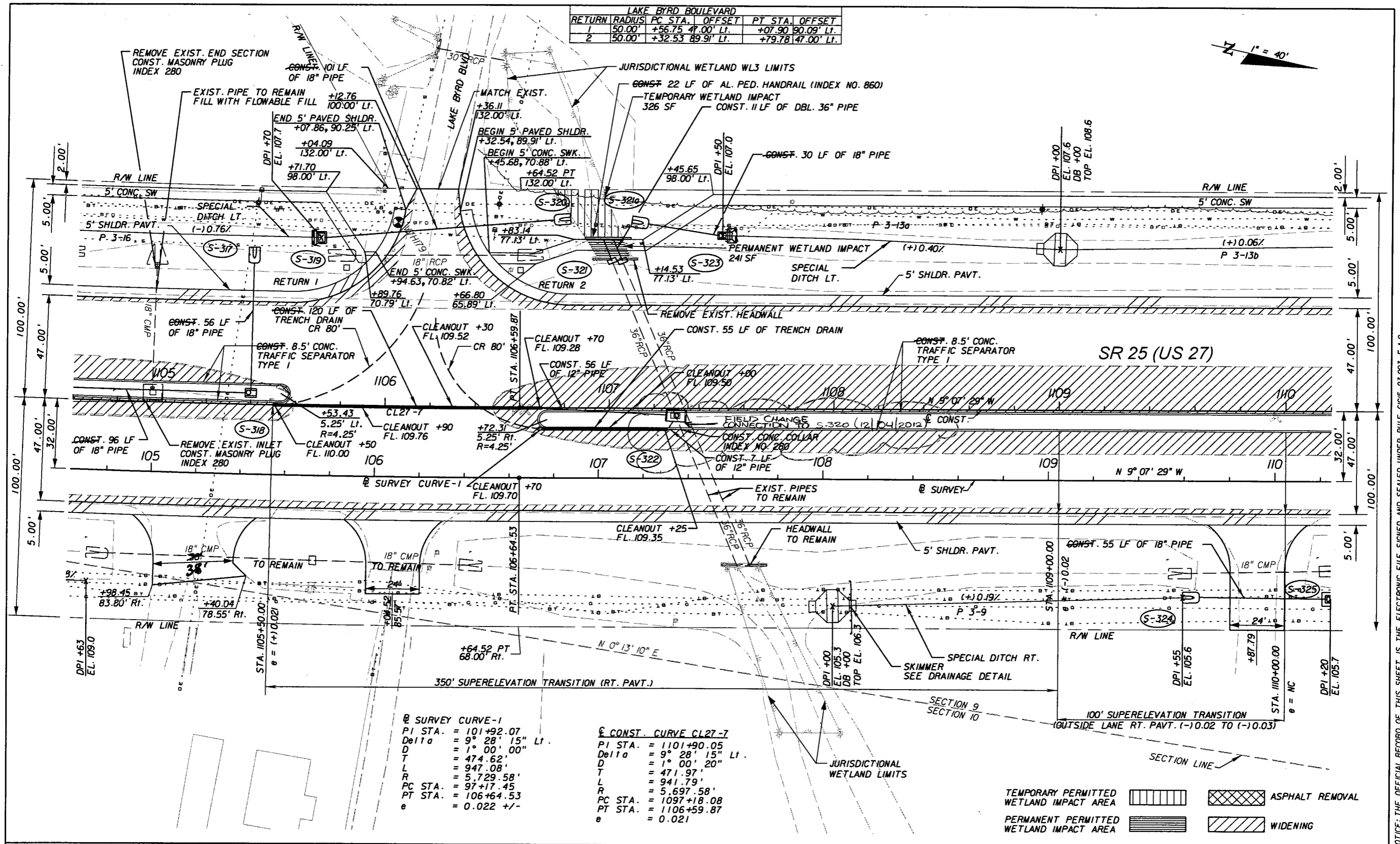
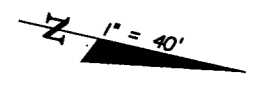
STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. 25 COUNTY HIGHLANDS FINANCIAL PROJECT ID 194485-1-52-01

PLAN (9)

SHEET NO.  
 41

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.

LAKE BYRD BOULEVARD					
RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	50.00'	+56.75	47.00' Lt.	+07.90	90.09' Lt.
2	50.00'	+32.53	89.91' Lt.	+79.78	47.00' Lt.



② SURVEY CURVE-1

PI STA.	= 101+92.07
Delta	= 9° 28' 15" Lt.
D	= 1° 00' 00"
T	= 474.62'
L	= 947.08'
R	= 5,729.58'
PC STA.	= 97+17.45
PT STA.	= 106+64.53
e	= 0.022 +/-

③ CONST. CURVE CL27-7

PI STA.	= 1101+90.05
Delta	= 9° 28' 15" Lt.
D	= 1° 00' 20"
T	= 471.97'
L	= 941.79'
R	= 5,697.58'
PC STA.	= 1097+18.08
PT STA.	= 1106+59.87
e	= 0.021

TEMPORARY PERMITTED WETLAND IMPACT AREA		ASPHALT REMOVAL	
PERMANENT PERMITTED WETLAND IMPACT AREA		WIDENING	

REVISIONS			
DATE	BY	DESCRIPTION	

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

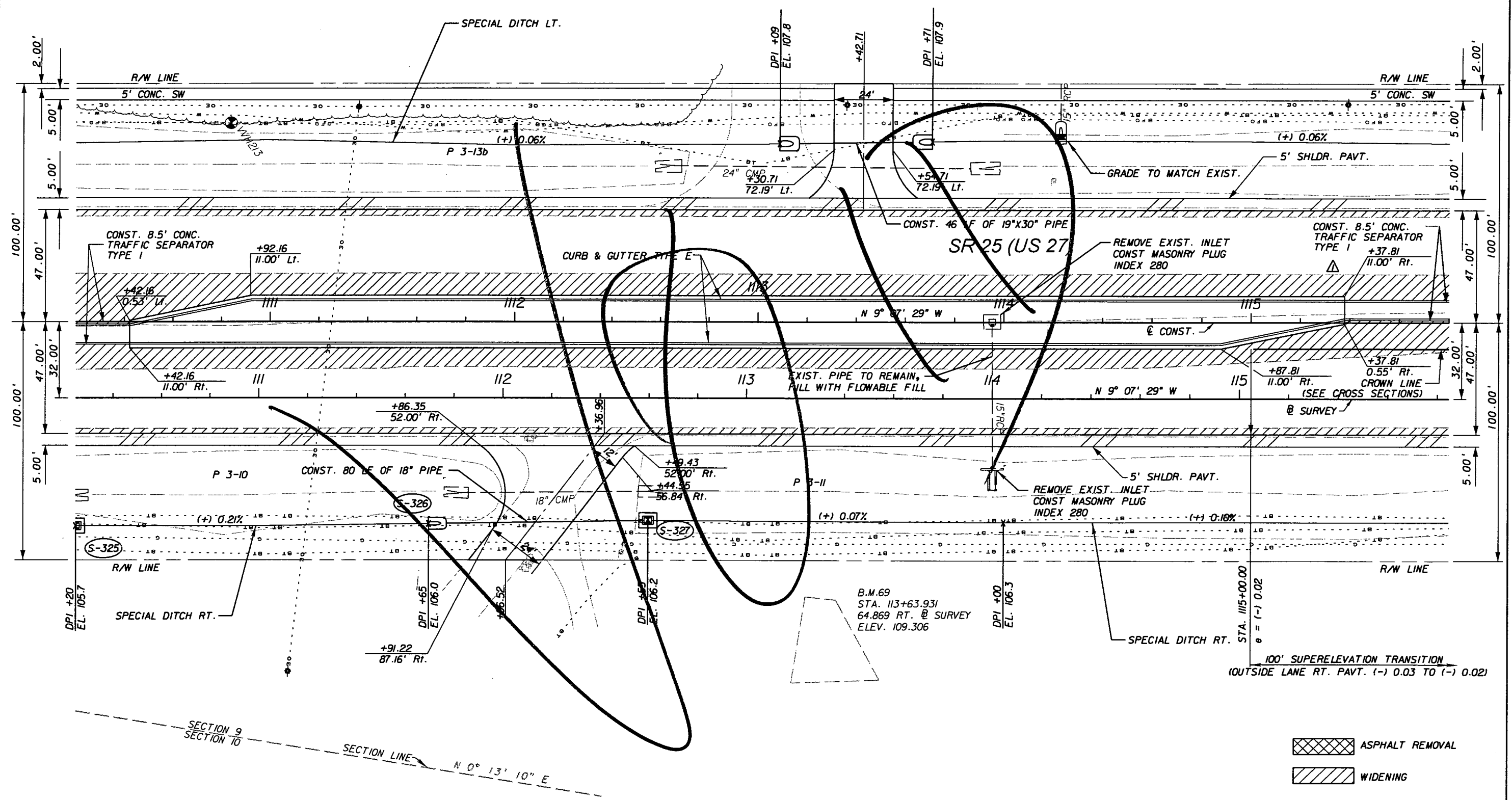
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**PLAN (10)**

SHEET NO.  
42

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.





REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISED MEDIAN.			

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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

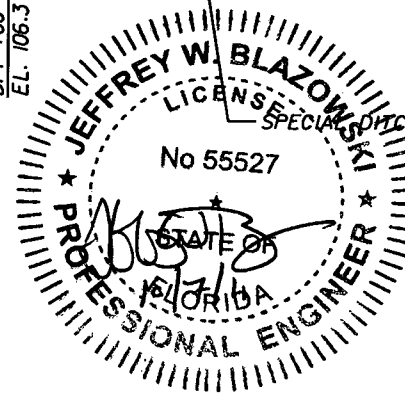
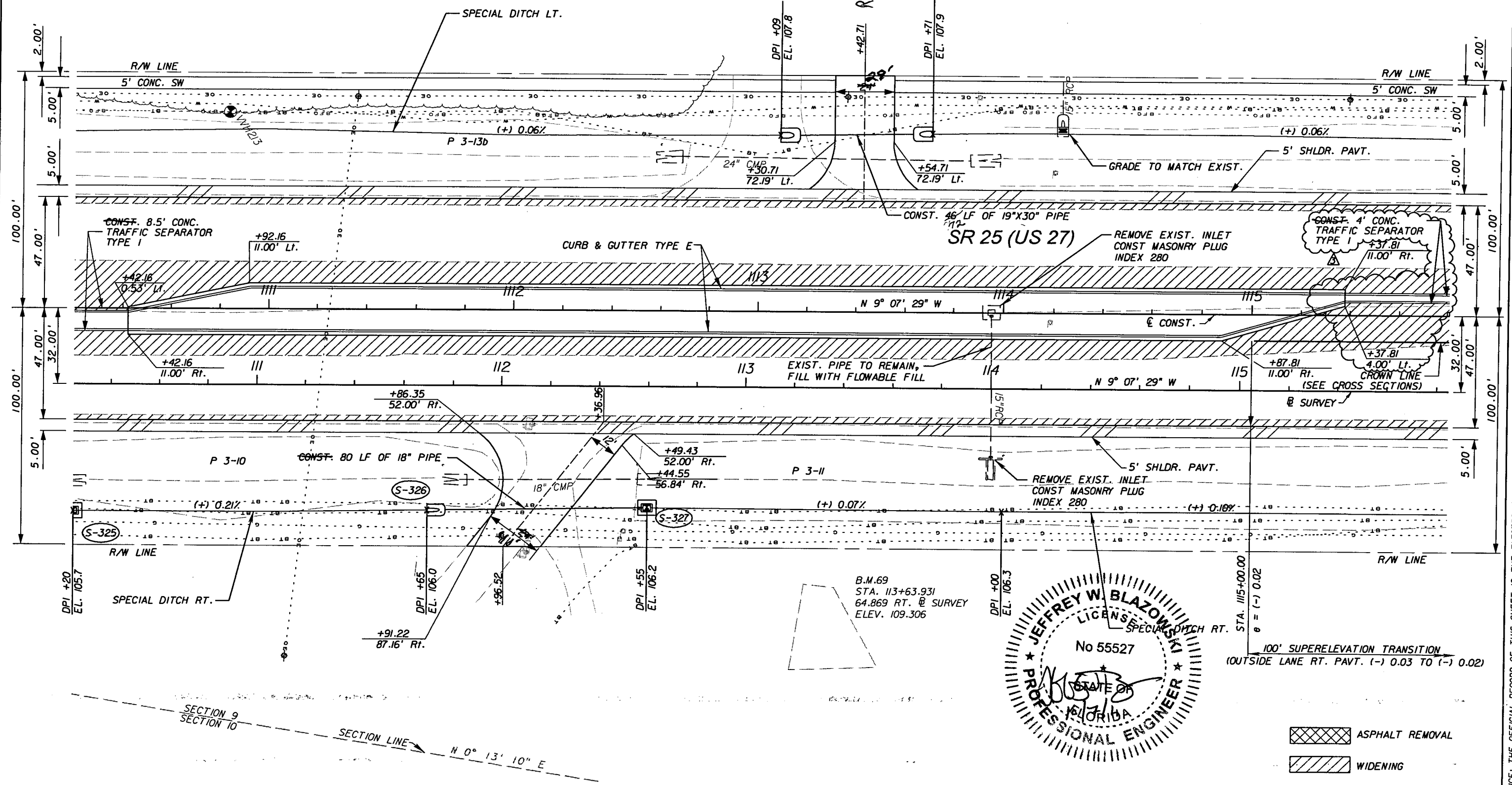
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**PLAN (11)**

SHEET NO.  
43

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Rev 3 10/7/11



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 66B5-23.003, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	△ REVISED MEDIAN.			
10/7/11	JWB	△ REVISED MEDIAN.			

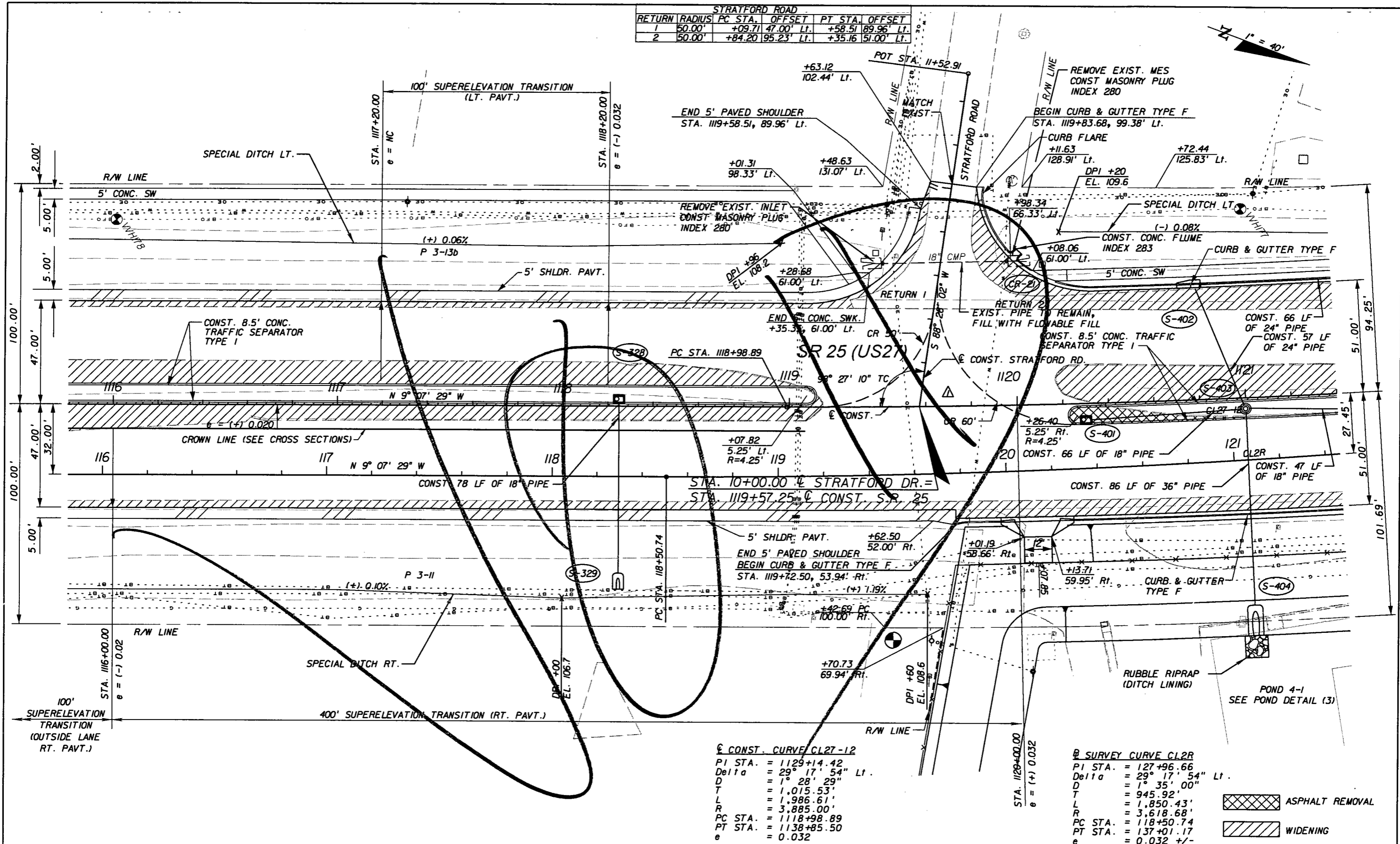
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

PLAN (11)

SHEET NO.  
43

RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	50.00'	+09.71	47.00' Lt.	+58.51	89.96' Lt.
2	50.00'	+84.20	95.23' Lt.	+35.16	51.00' Lt.



CONST. CURVE CL27-12

PI STA.	= 1129+14.42
Delta	= 29° 17' 54" Lt.
D	= 1° 28' 29"
T	= 1,015.53'
L	= 1,986.61'
R	= 3,885.00'
PC STA.	= 1118+98.89
PT STA.	= 1138+85.50
e	= 0.032

SURVEY CURVE CL2R

PI STA.	= 127+96.66
Delta	= 29° 17' 54" Lt.
D	= 1° 35' 00"
T	= 945.92'
L	= 1,850.43'
R	= 3,618.68'
PC STA.	= 118+50.74
PT STA.	= 137+01.17
e	= 0.032 +/-

ASPHALT REMOVAL  
WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADDED FULL MEDIAN OPENING.			

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

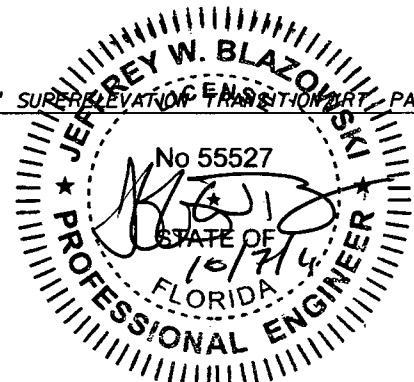
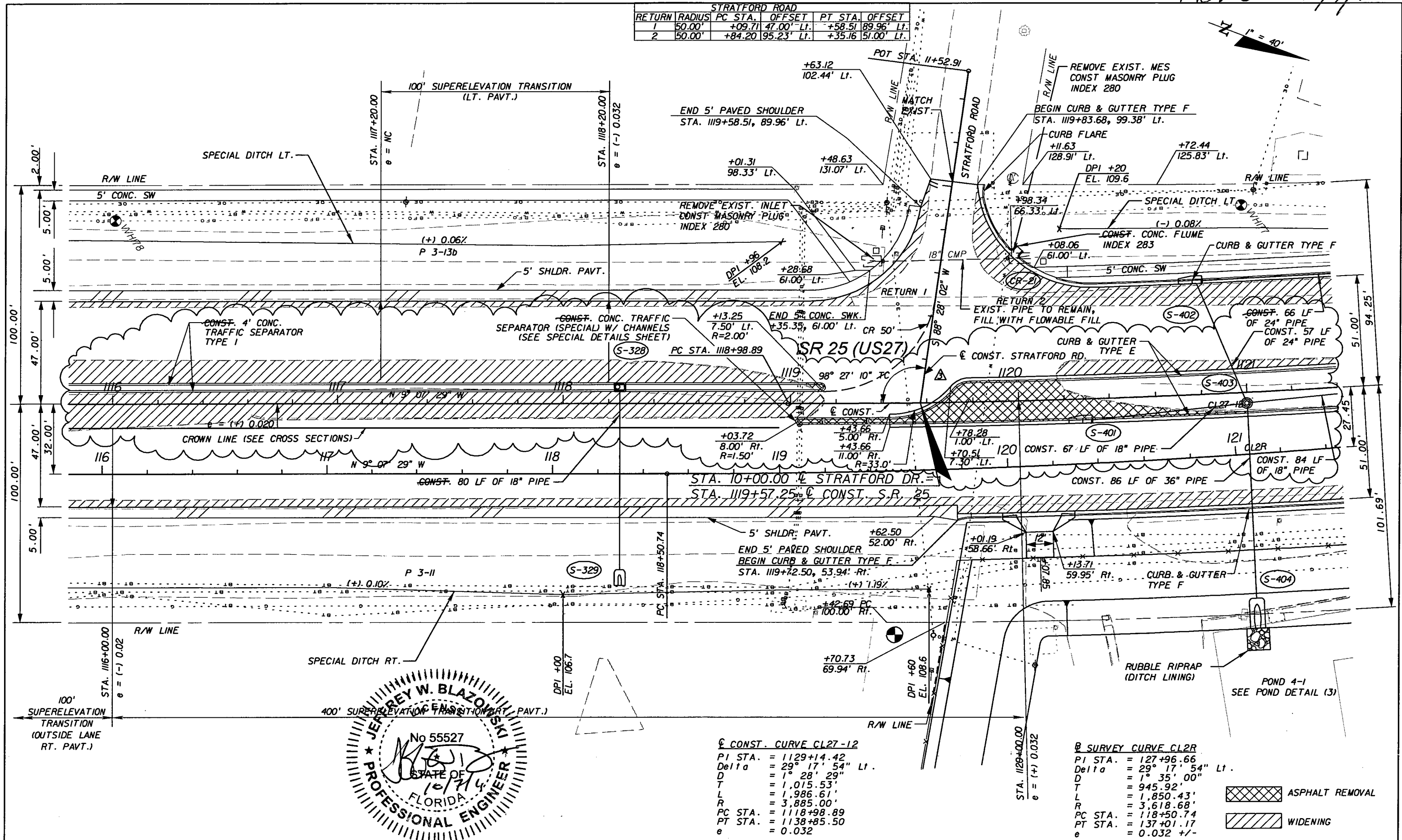
PLAN (12)

SHEET NO.  
44

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.

Rev 3 10/7/11

STRATFORD ROAD					
RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	50.00'	+09.71	47.00' Lt.	+58.51	89.96' Lt.
2	50.00'	+84.20	95.23' Lt.	+35.16	51.00' Lt.



CONST. CURVE CL27-12

PI STA.	= 1129+14.42
Delta	= 29° 17' 54" Lt.
D	= 1° 28' 29"
T	= 1,015.53'
L	= 1,986.61'
R	= 3,885.00'
PC STA.	= 1118+98.89
PT STA.	= 1138+85.50
e	= 0.032

SURVEY CURVE CL2R

PI STA.	= 127+96.66
Delta	= 29° 17' 54" Lt.
D	= 1° 35' 00"
T	= 945.92'
L	= 1,850.43'
R	= 3,618.68'
PC STA.	= 118+50.74
PT STA.	= 137+01.17
e	= 0.032 +/-

ASPHALT REMOVAL  
WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADDED FULL MEDIAN OPENING.			
10/7/11	JWB	REVISED MEDIAN OPENING.			

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
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Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

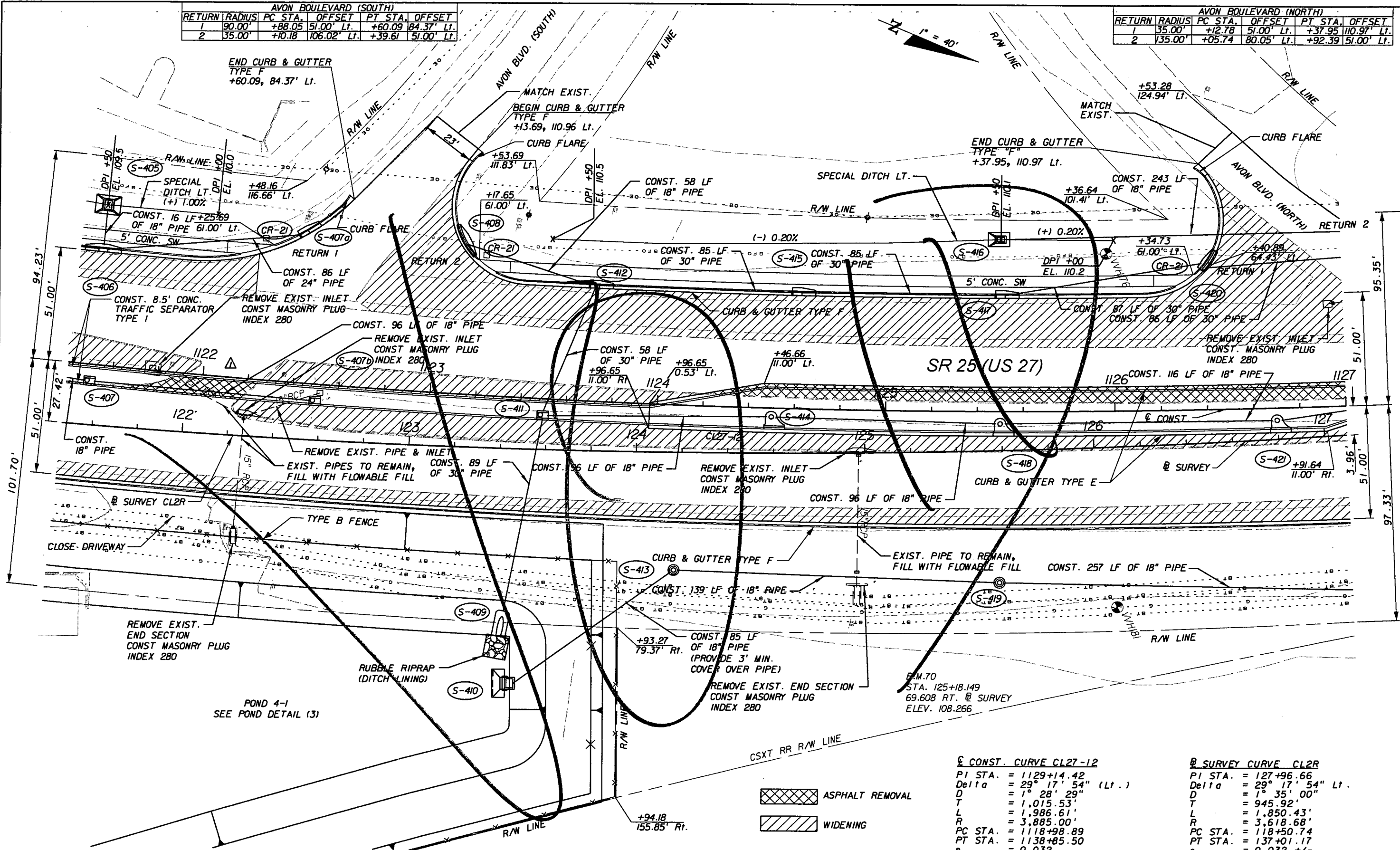
PLAN (12)

SHEET NO.  
44

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G05-23.003, F.A.C.

AVON BOULEVARD (SOUTH)					
RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	90.00'	+88.05	51.00' Lt.	+60.09	84.37' Lt.
2	35.00'	+10.18	106.02' Lt.	+39.61	51.00' Lt.

AVON BOULEVARD (NORTH)					
RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	35.00'	+12.78	51.00' Lt.	+37.95	110.97' Lt.
2	135.00'	+05.74	80.05' Lt.	+92.39	51.00' Lt.



CONST. CURVE CL27-12

PI STA.	= 1129+14.42
Delta	= 29° 17' 54" (Lt.)
D	= 1° 28' 29"
T	= 1,015.53'
L	= 1,986.61'
R	= 3,885.00'
PC STA.	= 1118+85.89
PT STA.	= 1138+85.50
e	= 0.032

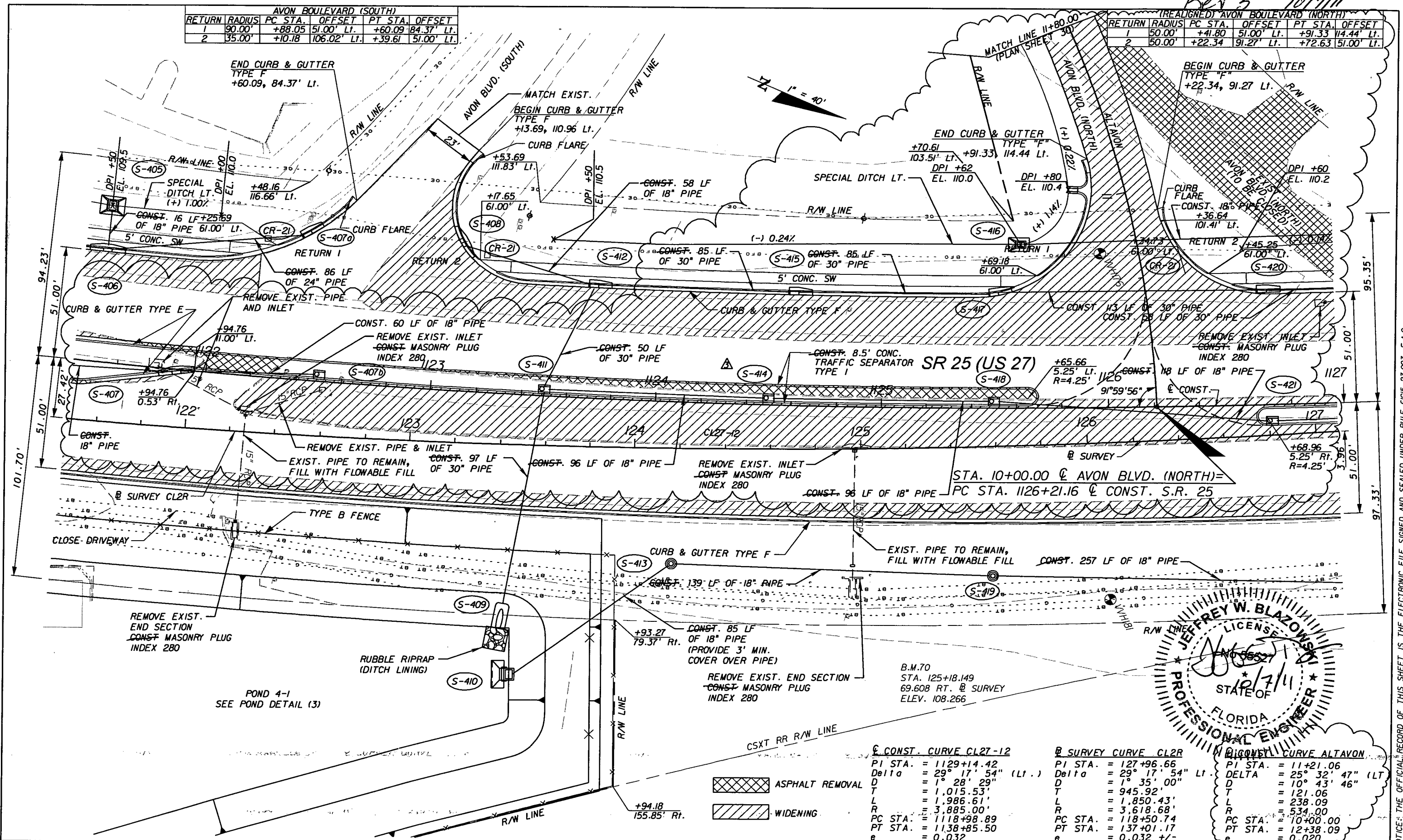
SURVEY CURVE CL2R

PI STA.	= 127+96.66
Delta	= 29° 17' 54" Lt.
D	= 1° 35' 00"
T	= 945.92'
L	= 1,850.43'
R	= 3,618.68'
PC STA.	= 118+50.74
PT STA.	= 137+01.17
e	= 0.032 +/-

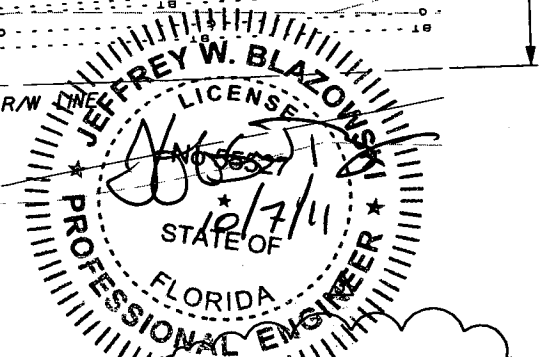
Rev 3 10/7/11

AVON BOULEVARD (SOUTH)				
RETURN	RADIUS	PC STA.	OFFSET	PT STA. OFFSET
1	90.00'	+88.05	51.00' Lt.	+60.09 84.37' Lt.
2	35.00'	+10.18	106.02' Lt.	+39.61 51.00' Lt.

(REALIGNED) AVON BOULEVARD (NORTH)				
RETURN	RADIUS	PC STA.	OFFSET	PT STA. OFFSET
1	50.00'	+41.80	51.00' Lt.	+91.33 114.44' Lt.
2	50.00'	+22.34	91.27' Lt.	+72.63 51.00' Lt.



STA. 10+00.00 @ AVON BLVD. (NORTH) =  
PC STA. 1126+21.16 @ CONST. S.R. 25



CONST. CURVE CL27-12	@ SURVEY CURVE CL2R	CONST. CURVE ALTAVON
PI STA. = 1129+14.42	PI STA. = 127+96.66	PI STA. = 11+21.06
Delta = 29° 17' 54" (Lt.)	Delta = 29° 17' 54" Lt.	DELTA = 25° 32' 47" (Lt)
D = 1° 28' 29"	D = 1° 35' 00"	D = 10° 43' 46"
T = 1,015.53'	T = 945.92'	T = 121.06'
L = 1,986.61'	L = 1,850.43'	L = 238.09'
R = 3,885.00'	R = 3,618.68'	R = 534.00'
PC STA. = 1118+98.89	PC STA. = 118+50.74	PC STA. = 10+00.00
PT STA. = 1138+85.50	PT STA. = 137+01.17	PT STA. = 12+38.09
e = 0.032	e = 0.032 +/-	e = 0.020

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	△ CLOSED FULL MEDIAN OPENING.			
10/7/11	JWB	△ REALIGNED AVON BLVD. NORTH AND ADDED FULL MEDIAN OPENING.			

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

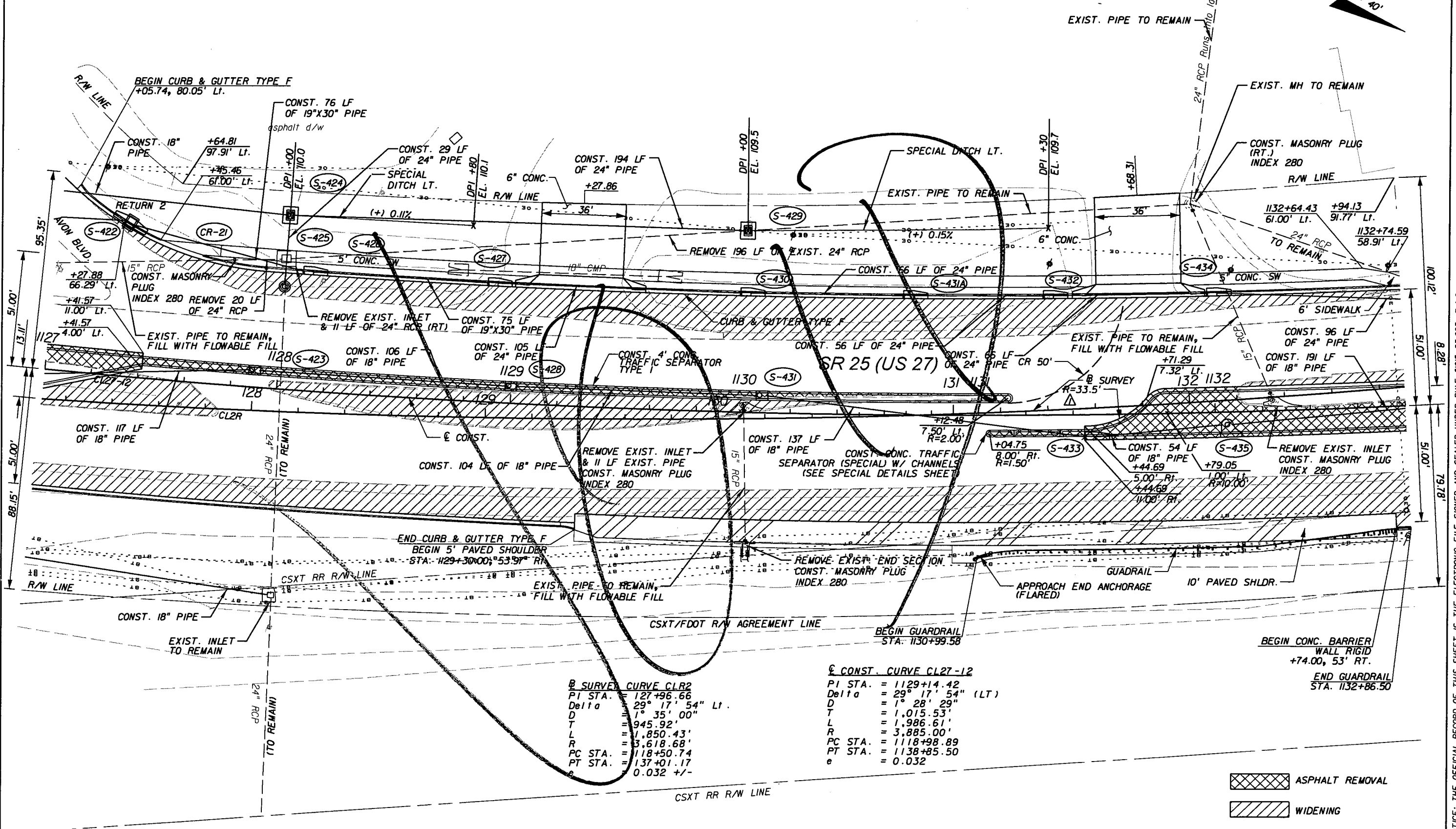
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**PLAN (13)**

SHEET NO. 45

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

AVON BOULEVARD (NORTH)					
RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	35.00	+12.78	51.00 Lt.	+37.95	110.97 Lt.
2	135.00	+05.74	80.05 Lt.	+92.39	51.00 Lt.



**B SURVEY CURVE CLR2**  
 PI STA. = 127+96.66  
 Delta = 29° 17' 54" (LT)  
 D = 1° 35' 00"  
 T = 945.92'  
 L = 1,850.43'  
 R = 3,618.68'  
 PC STA. = 118+50.74  
 PT STA. = 137+01.17  
 e = 0.032 +/-

**CONST. CURVE CLR2-12**  
 PI STA. = 1129+14.42  
 Delta = 29° 17' 54" (LT)  
 D = 1° 28' 29"  
 T = 1,015.53'  
 L = 1,986.61'  
 R = 3,885.00'  
 PC STA. = 1118+98.89  
 PT STA. = 1138+85.50  
 e = 0.032

ASPHALT REMOVAL  
 WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADDED NB DIRECTIONAL MEDIAN OPENING.			

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

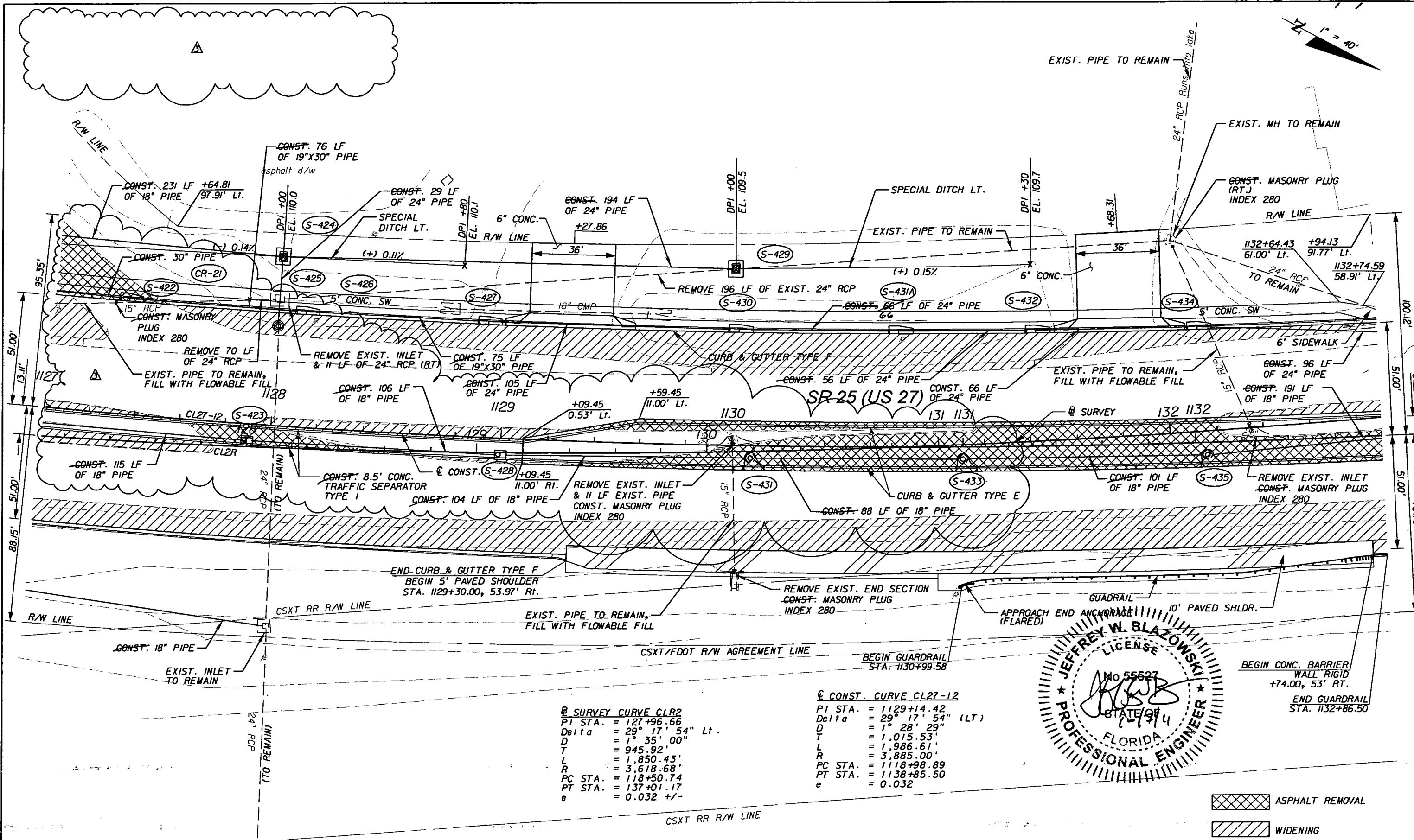
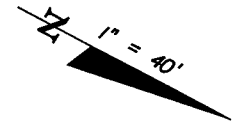
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

PLAN (14)

SHEET NO.  
46

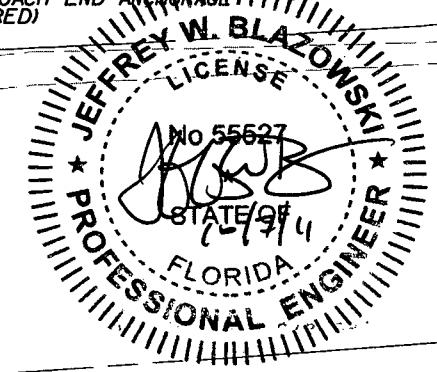
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Rev 3 10/7/11



**② SURVEY CURVE CLR2**  
 PI STA. = 127+96.66  
 Delta = 29° 17' 54" Lt.  
 D = 1° 35' 00"  
 T = 945.92'  
 L = 1,850.43'  
 R = 3,618.68'  
 PC STA. = 118+50.74  
 PT STA. = 137+01.17  
 e = 0.032 +/-

**② CONST. CURVE CL27-12**  
 PI STA. = 1129+14.42  
 Delta = 29° 17' 54" (LT)  
 D = 1° 28' 29"  
 T = 1,015.53'  
 L = 1,986.61'  
 R = 3,885.00'  
 PC STA. = 1118+98.89  
 PT STA. = 1138+85.50  
 e = 0.032



[Cross-hatched box] ASPHALT REMOVAL  
 [Diagonal hatched box] WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	△ ADDED NB DIRECTIONAL MEDIAN OPENING.			
10/7/11	JWB	△ REVISED MEDIAN OPENING.			

**URS**  
 URS Corporation Southern  
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 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

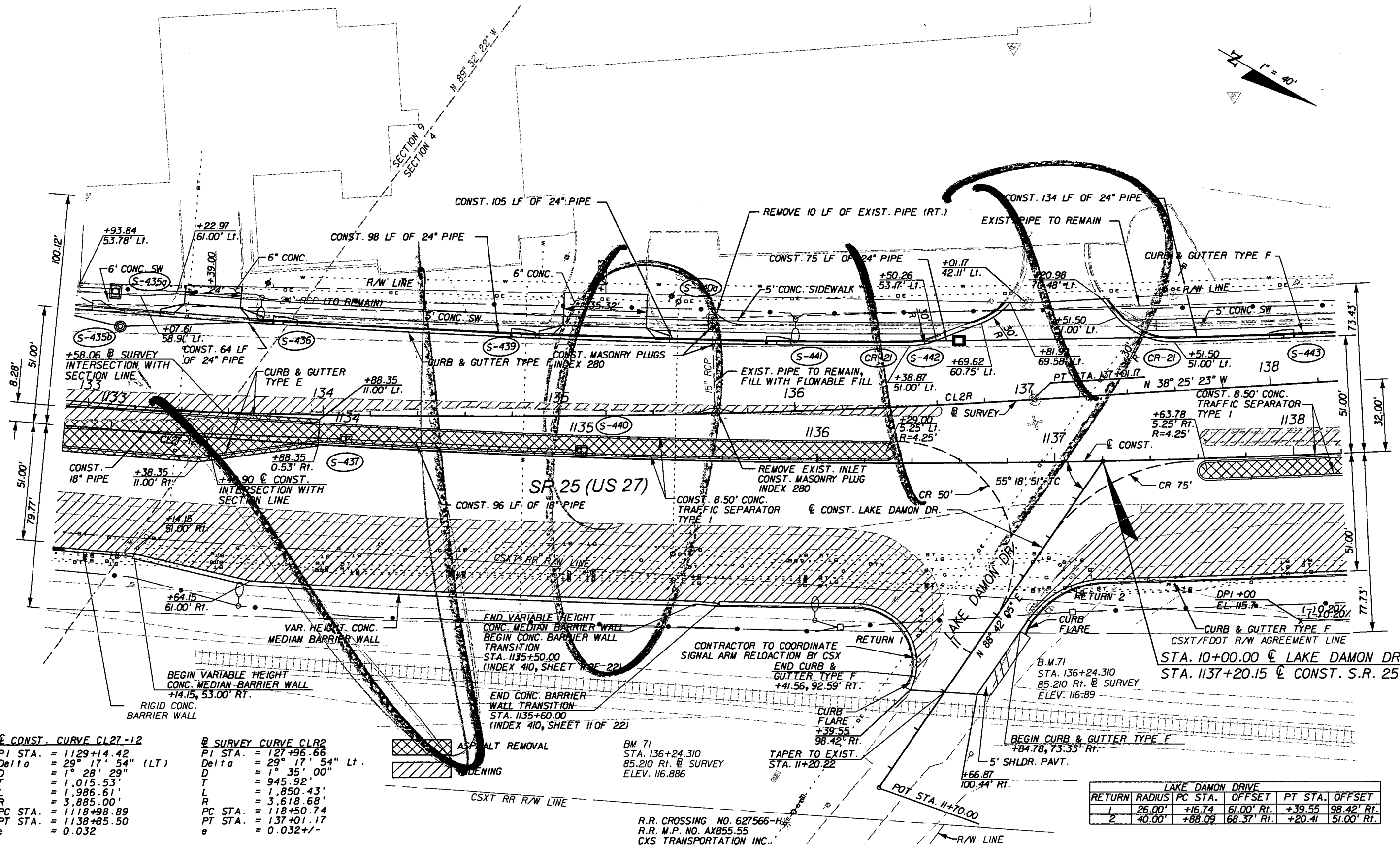
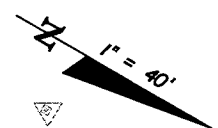
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

PLAN (14)

SHEET NO.  
 46

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6015-23.003, F.A.C.





**CONST. CURVE CL27-12**

PI STA.	= 1129+14.42
Delta	= 29° 17' 54" (LT)
D	= 1° 28' 29"
T	= 1,015.53'
L	= 1,986.61'
R	= 3,885.00'
PC STA.	= 1118+98.89
PT STA.	= 1138+85.50
e	= 0.032

**B SURVEY CURVE CLR2**

PI STA.	= 127+96.66
Delta	= 29° 17' 54" Lt.
D	= 1° 35' 00"
T	= 945.92'
L	= 1,850.43'
R	= 3,618.68'
PC STA.	= 118+50.74
PT STA.	= 137+01.17
e	= 0.032 +/-



R.R. CROSSING NO. 627566-H  
 R.R. M.P. NO. AX855.55  
 CSX TRANSPORTATION INC.

**LAKE DAMON DRIVE**

RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	26.00'	+16.74	61.00' Rt.	+39.55	98.42' Rt.
2	40.00'	+88.09	68.37' Rt.	+20.41	51.00' Rt.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

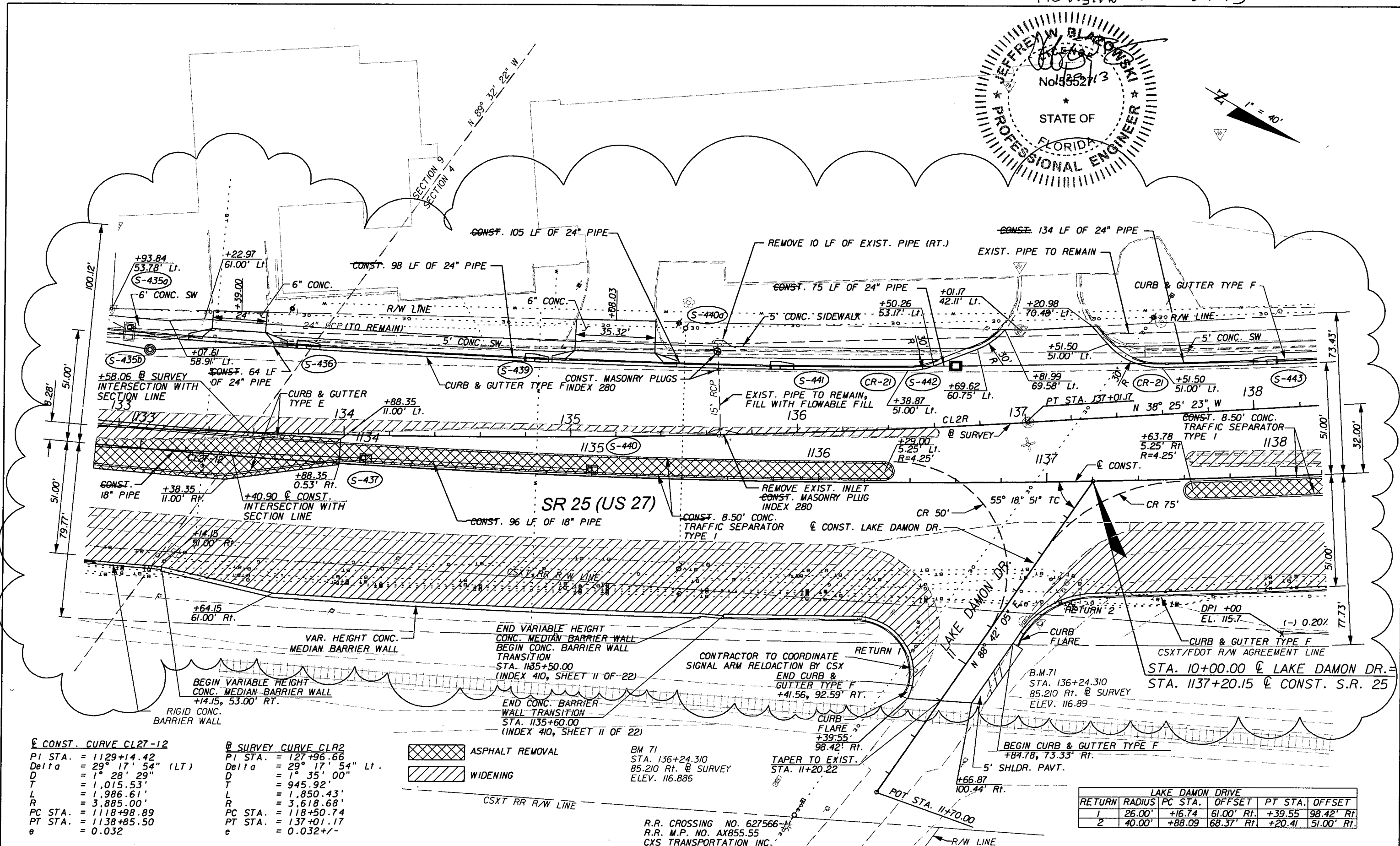
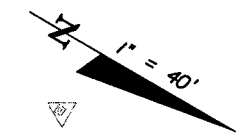
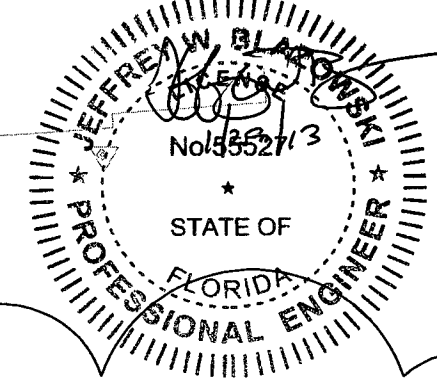
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**PLAN (15)**

SHEET NO.  
47

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.



CONST. CURVE CL27-12		SURVEY CURVE CLR2	
PI STA.	= 1129+14.42	PI STA.	= 127+96.66
Delta	= 29° 17' 54" (LT)	Delta	= 29° 17' 54" Lt.
D	= 1' 28' 29"	D	= 1' 35' 00"
T	= 1,015.53'	T	= 945.92'
L	= 1,986.61'	L	= 1,850.43'
R	= 3,885.00'	R	= 3,618.68'
PC STA.	= 1118+98.89	PC STA.	= 118+50.74
PT STA.	= 1138+85.50	PT STA.	= 137+01.17
e	= 0.032	e	= 0.032+/-



BM 71  
STA. 136+24.310  
85.210 Rt. @ SURVEY  
ELEV. 116.886

LAKE DAMON DRIVE				
RETURN	RADIUS	PC STA.	OFFSET	PT STA. OFFSET
1	26.00'	+16.74	61.00' Rt.	+39.55 98.42' Rt.
2	40.00'	+88.09	68.37' Rt.	+20.41 51.00' Rt.

REVISIONS		REVISIONS			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01/29/13	JWB	REMOVED LIGHTING FROM SHEET.			

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

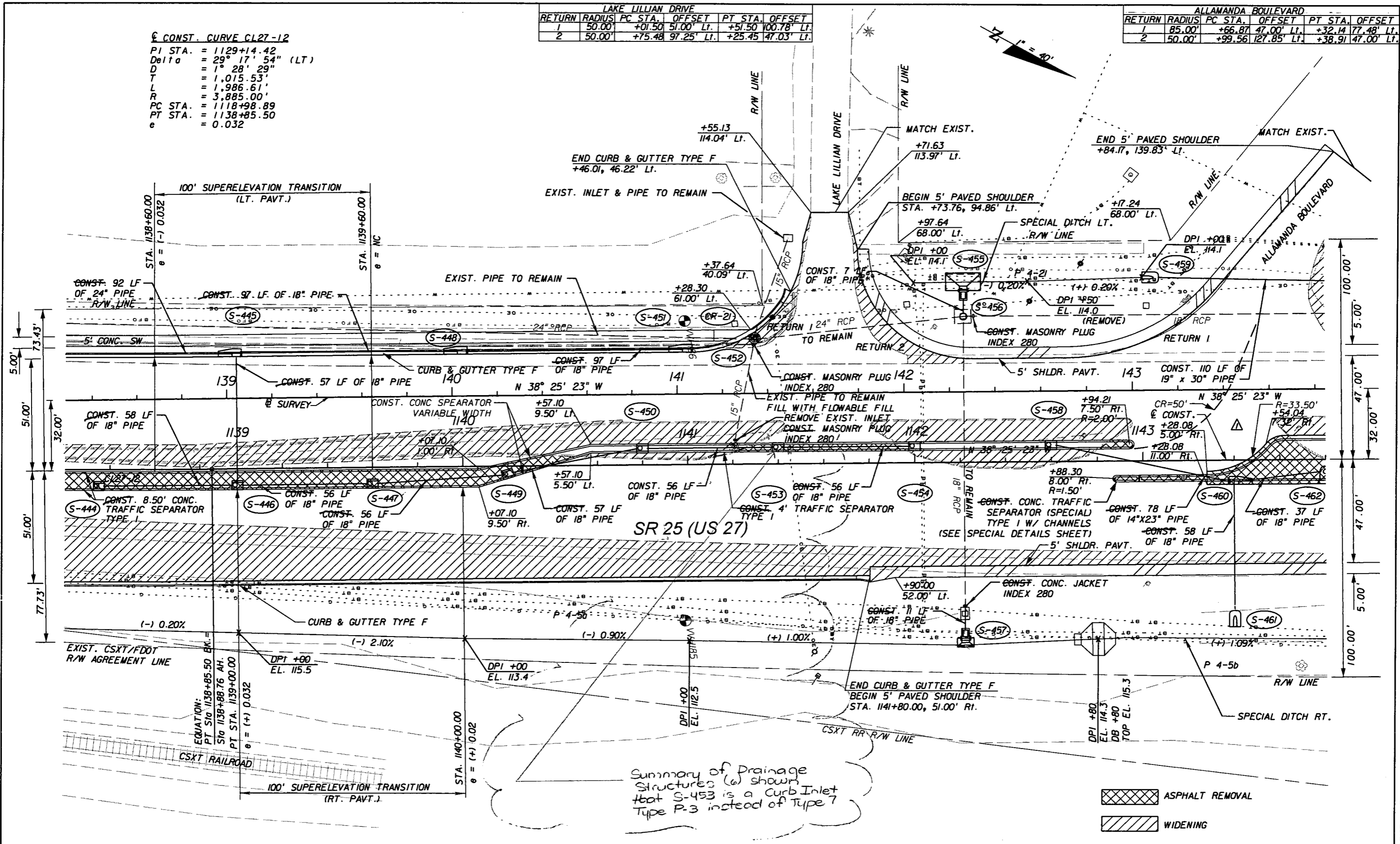
**PLAN (15)**  
SHEET NO. 47

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.

CONST. CURVE CL27-12  
 PI STA. = 1129+14.42  
 Delta = 29° 17' 54" (LT)  
 D = 1° 28' 29"  
 L = 1,015.53'  
 R = 1,986.61'  
 PC STA. = 1118+98.89  
 PT STA. = 1138+85.50  
 e = 0.032

LAKE LILLIAN DRIVE					
RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	50.00'	+01.50	51.00' Lt.	+51.50	100.78' Lt.
2	50.00'	+75.48	97.25' Lt.	+25.45	47.03' Lt.

ALLAMANDA BOULEVARD					
RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	85.00'	+66.87	47.00' Lt.	+32.14	77.48' Lt.
2	50.00'	+99.56	127.85' Lt.	+38.91	47.00' Lt.



Summary of Drainage Structures (w) shown that S-453 is a Curb Inlet Type P-3 instead of Type 7

ASPHALT REMOVAL  
 WIDENING

REVISIONS			
DATE	BY	DESCRIPTION	
5/11/11	JWB	ADDED NB DIRECTIONAL MEDIAN OPENING.	

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

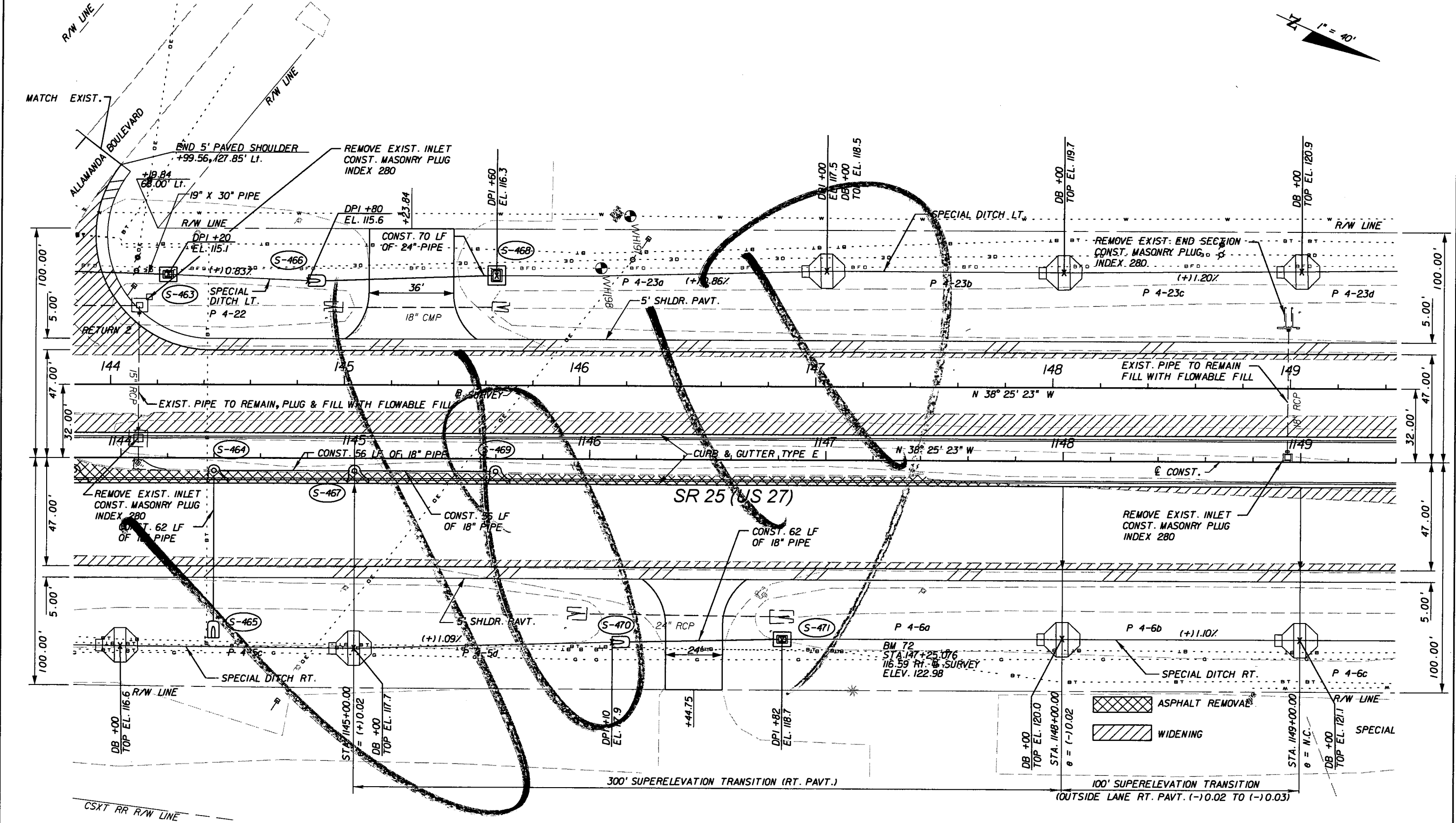
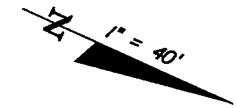
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**PLAN (16)**

SHEET NO.  
48

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ALLAMANDA BOULEVARD					
RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	85.00'	+66.87	47.00' Lt.	+32.14	77.48' Lt.
2	50.00'	+99.56	127.85' Lt.	+38.91	47.00' Lt.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

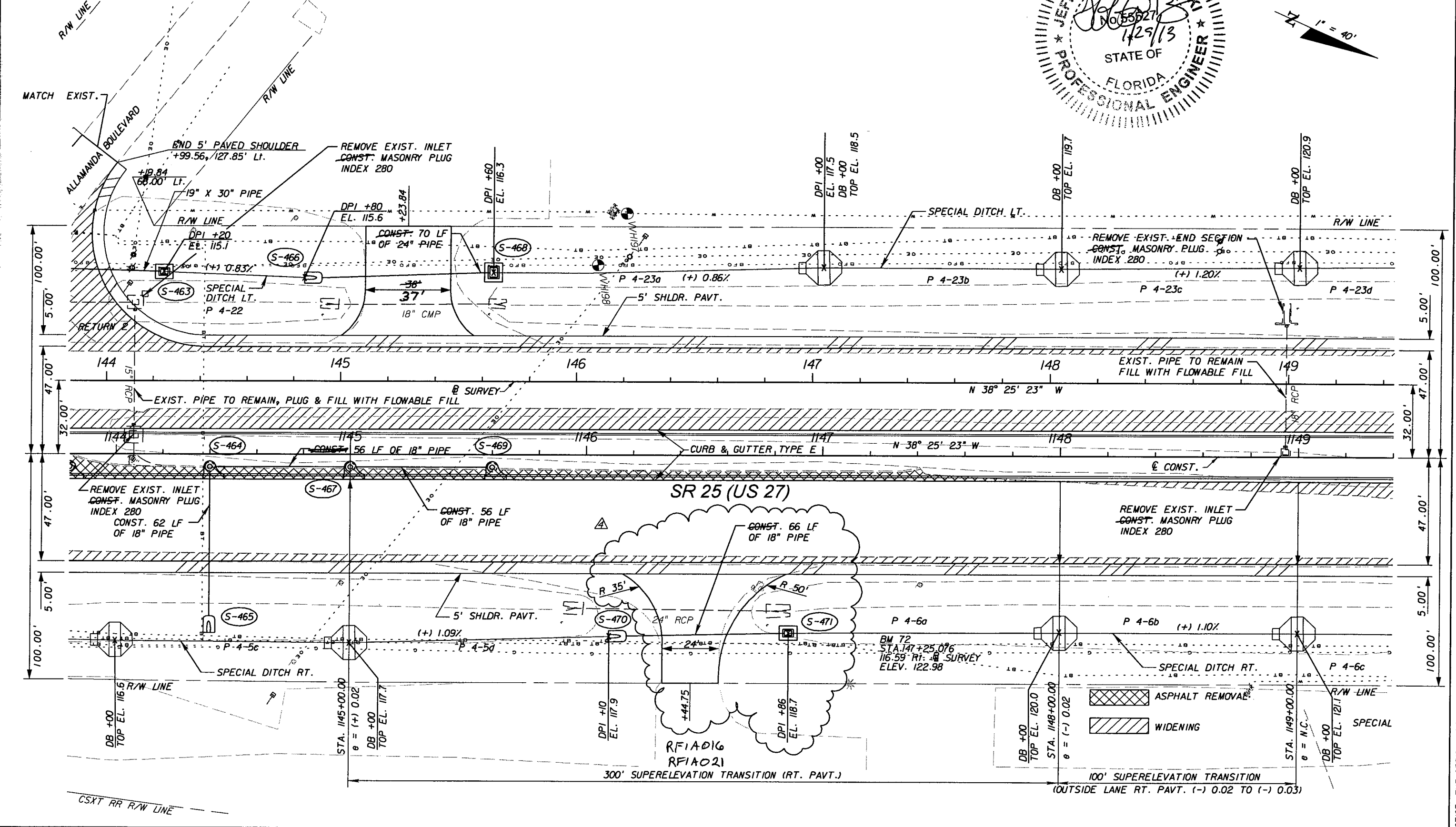
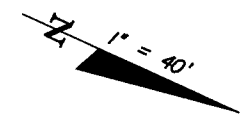
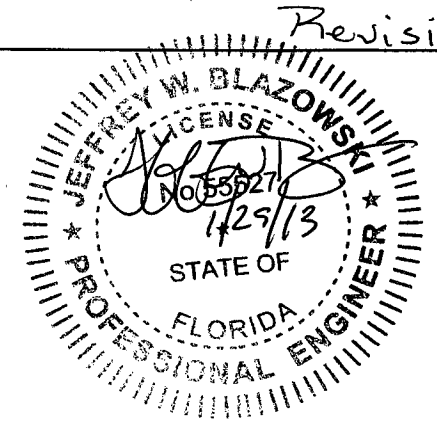
**PLAN (17)**

SHEET NO.	49
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Revision 4 1-29-13

ALLAMANDA BOULEVARD					
RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	85.00'	+66.87	47.00' Lt.	+32.14	77.48' Lt.
2	50.00'	+99.56	127.85' Lt.	+38.91	47.00' Lt.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01/29/13	JWB	REVISED DRIVEWAY RADII.			

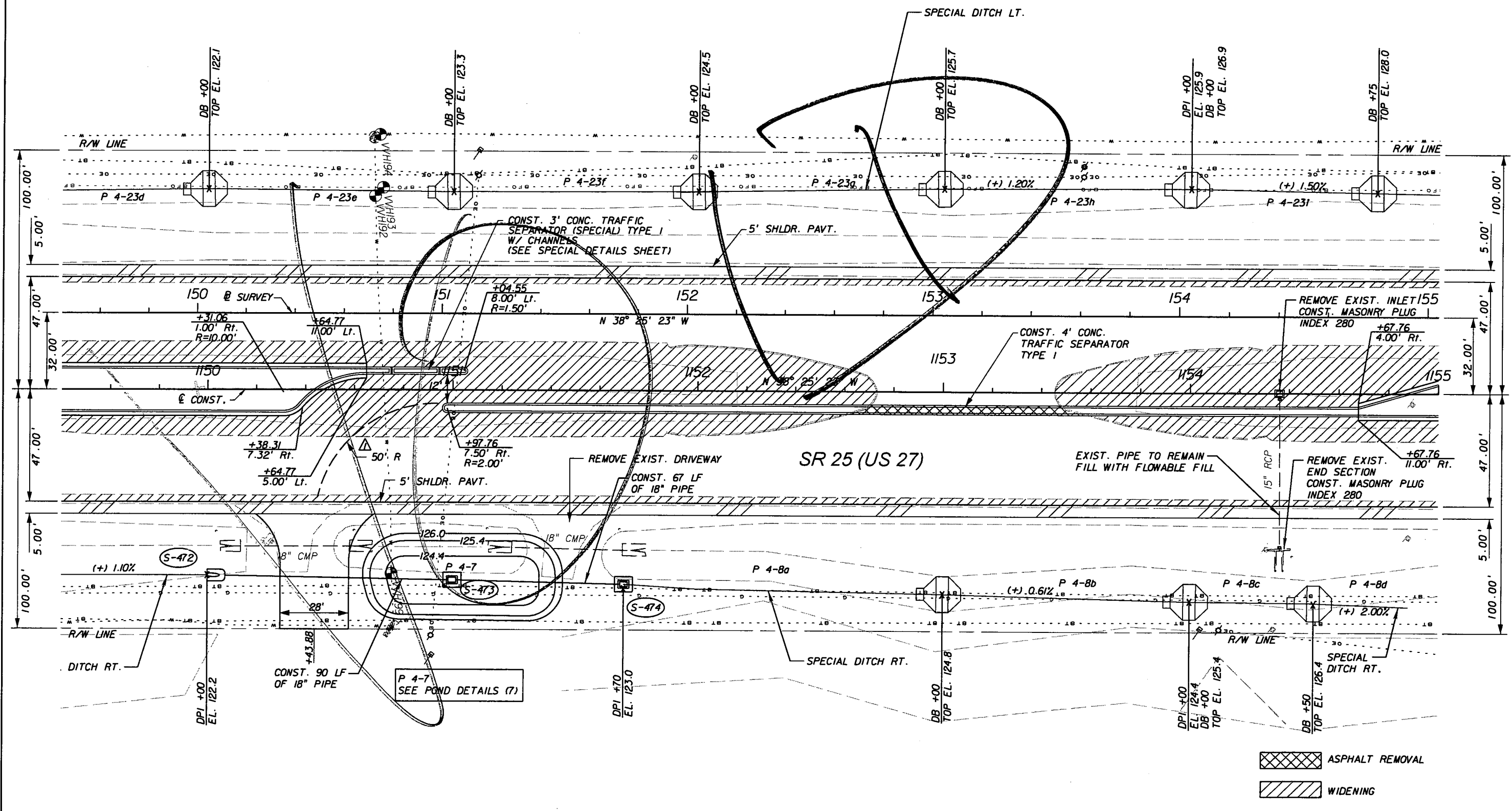
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

PLAN (17)

SHEET NO.
49

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- ASPHALT REMOVAL
- WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADDED SB DIRECTIONAL MEDIAN OPENING.			

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 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

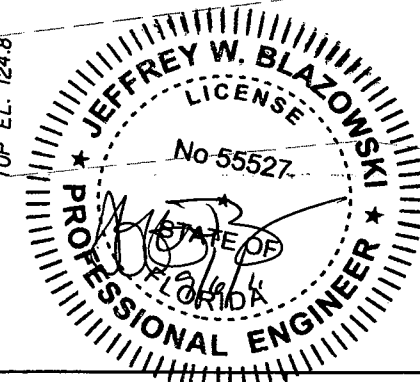
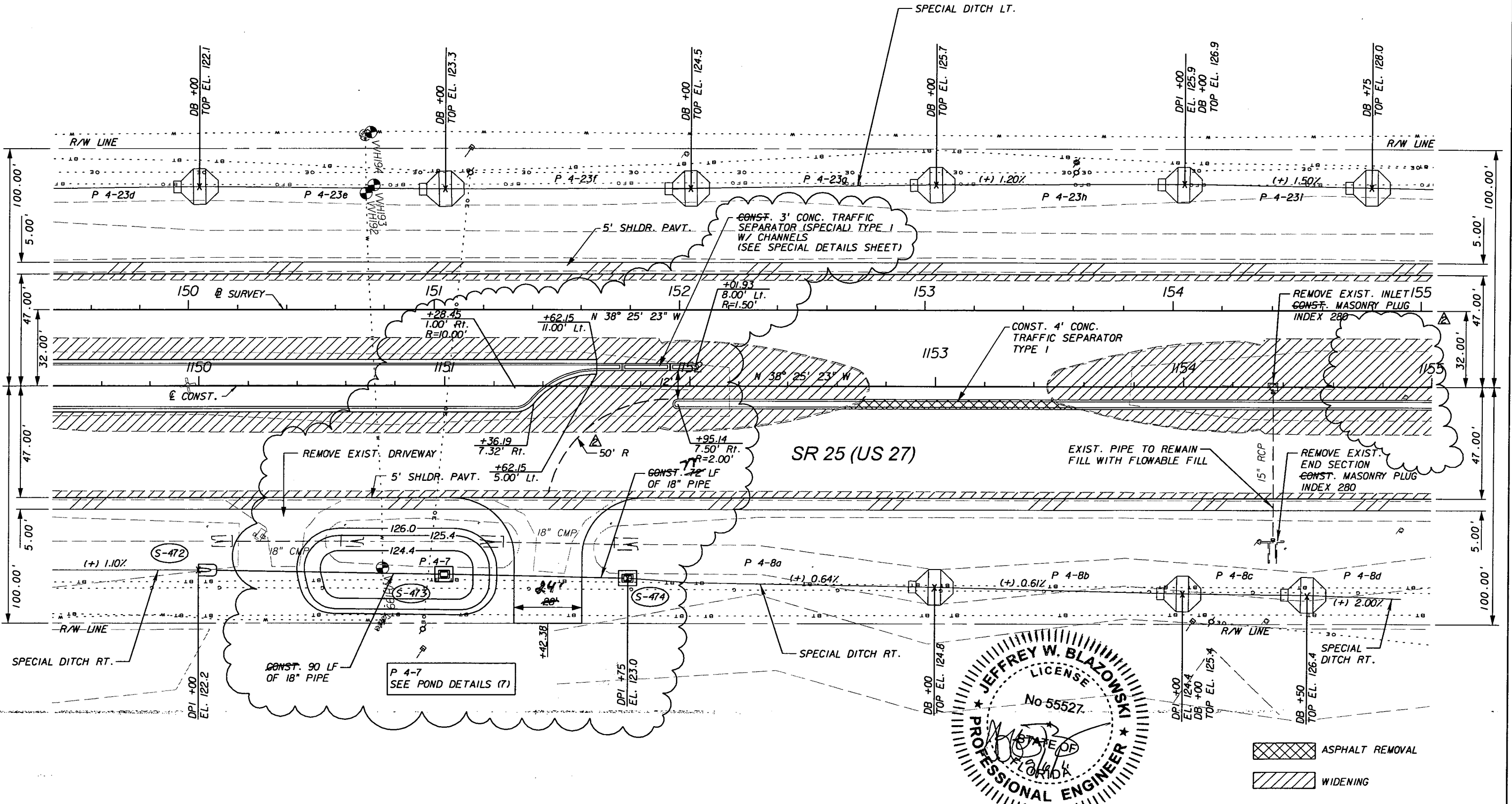
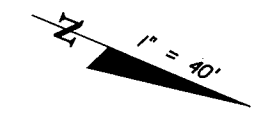
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

PLAN (18)

SHEET NO.  
50

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Rev 2 9/6/11



ASPHALT REMOVAL  
WIDENING

REVISIONS		REVISIONS			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADDED SB DIRECTIONAL MEDIAN OPENING.	9/6/11	DK	SHIFTED P4-7 SOUTH AND S-474 NORTH TO ACCOMMODATE REVISED D/W.
9/6/11	JWB	RELOCATED SB DIRECTIONAL MEDIAN OPENING.			

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 7650 West Courtney  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

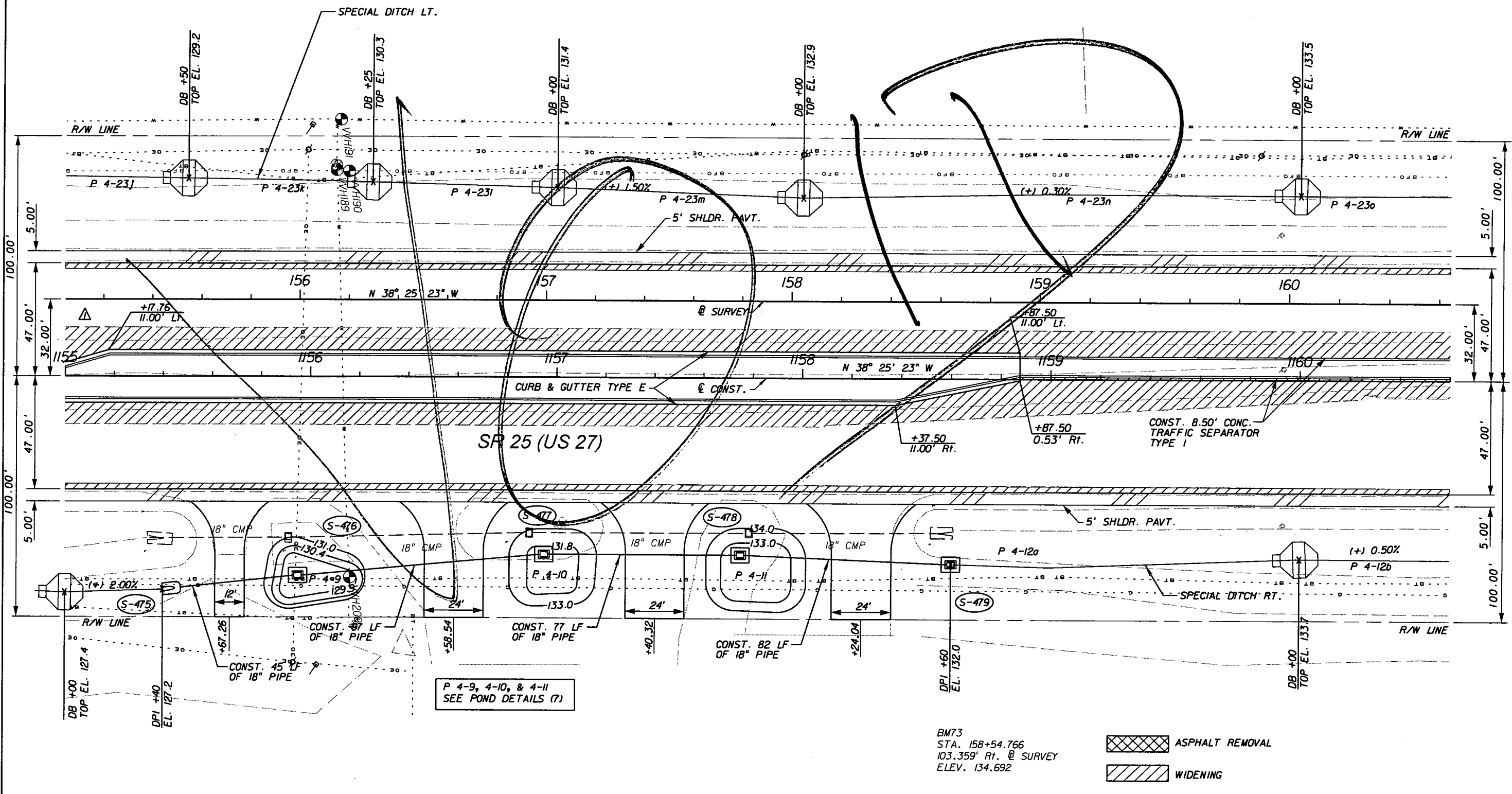
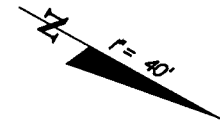
STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

PLAN (18)

SHEET NO.  
50

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P 4-9, 4-10, & 4-11  
SEE POND DETAILS (7)

BM73  
STA. 158+54.766  
103.359' Rt. @ SURVEY  
ELEV. 134.692

ASPHALT REMOVAL  
 WIDENING

REVISIONS		DATE	BY	DESCRIPTION
5/11/11	JWB			REVISED MEDIAN.

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

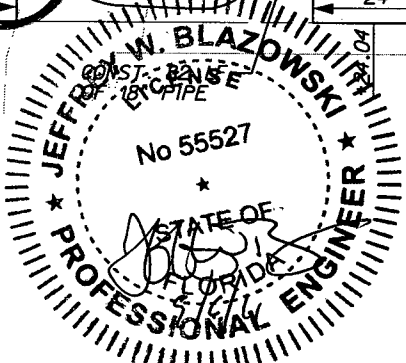
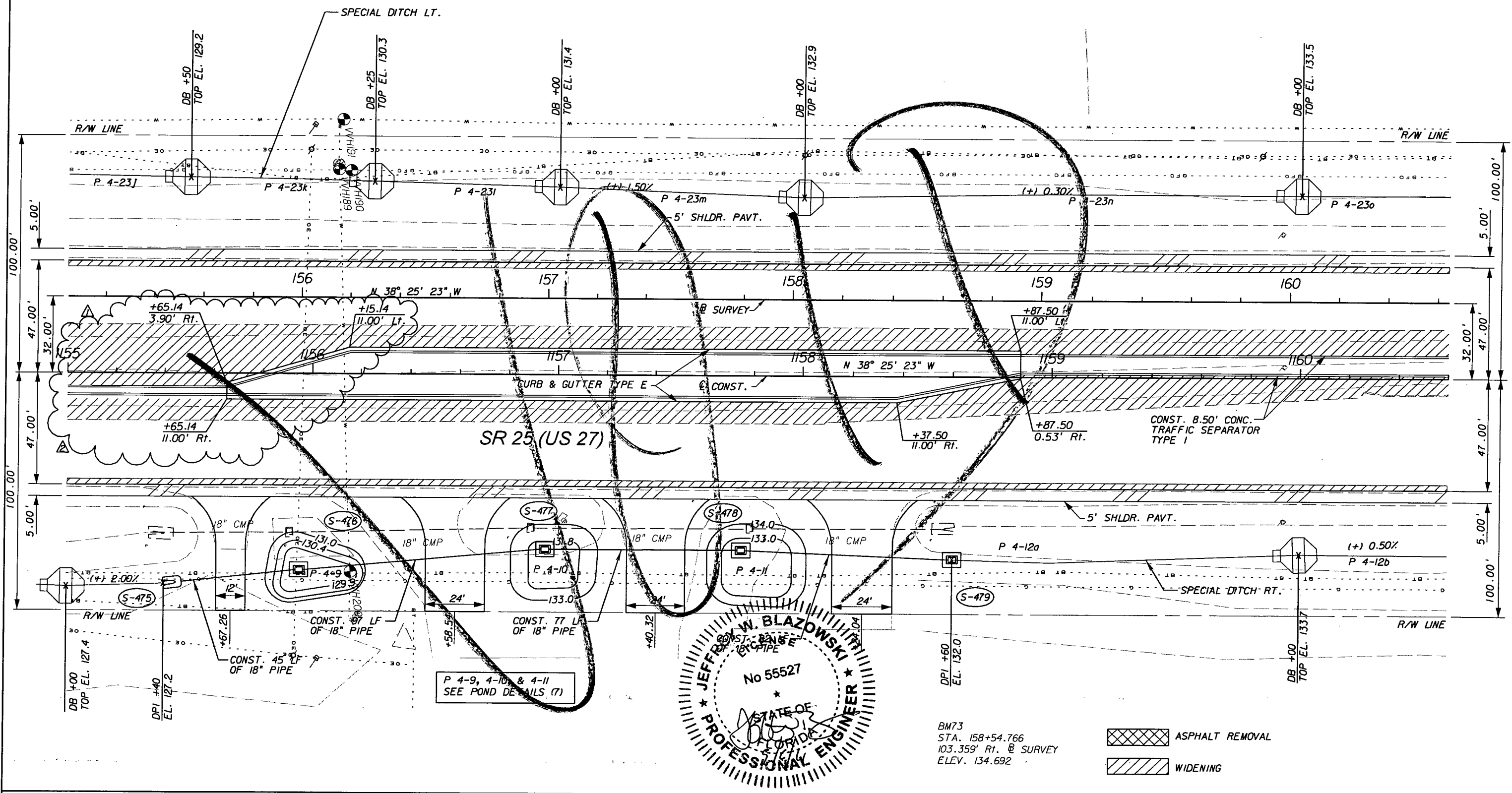
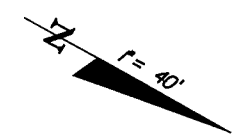
**PLAN (19)**

SHEET NO.  
51

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Rev 2 9/6/11



BM73  
STA. 158+54.766  
103.359' Rt. @ SURVEY  
ELEV. 134.692

ASPHALT REMOVAL  
WIDENING

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.

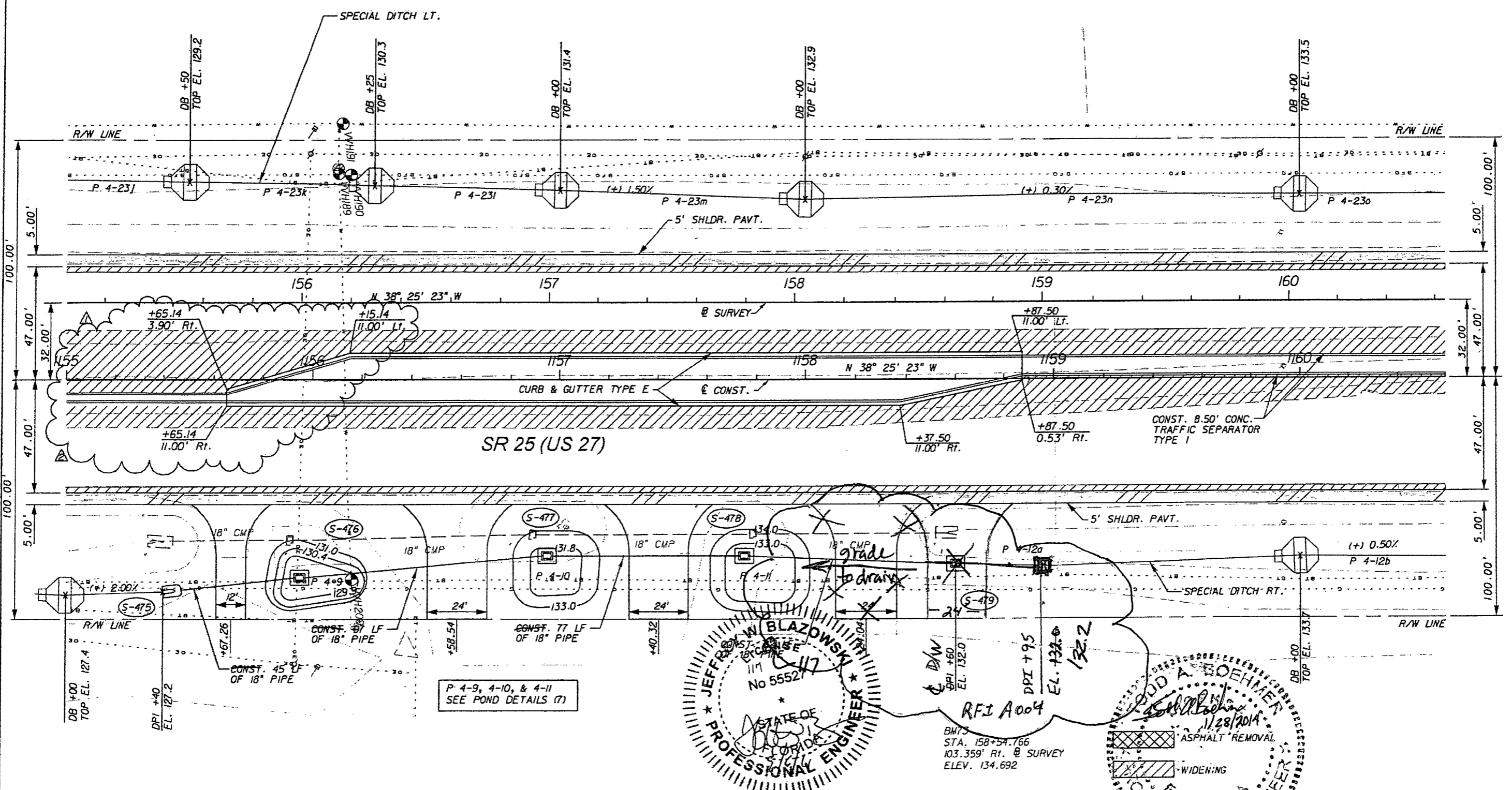
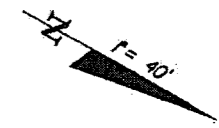
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISD MEDIAN.			
9/6/11	JWB	RELOCATED SB DIRECTIONAL MEDIAN OPENING.			

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

PLAN (19)

SHEET NO.  
51



JEFFREY W. BLAZOWSKI  
 No 55527  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

ROD A. BOEHMER  
 No 12820  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 1/28/2014  
 PLAN (19)

RFI A004  
 DPI +95  
 EL. 132.0  
 132.2  
 STA. 158+54.766  
 103.359' RI. @ SURVEY  
 ELEV. 134.692

P 4-9, 4-10, & 4-11  
 SEE POND DETAILS (7)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISD MEDIAN.			
9/6/11	JWB	RELOCATED SB DIRECTIONAL MEDIAN OPENING.			

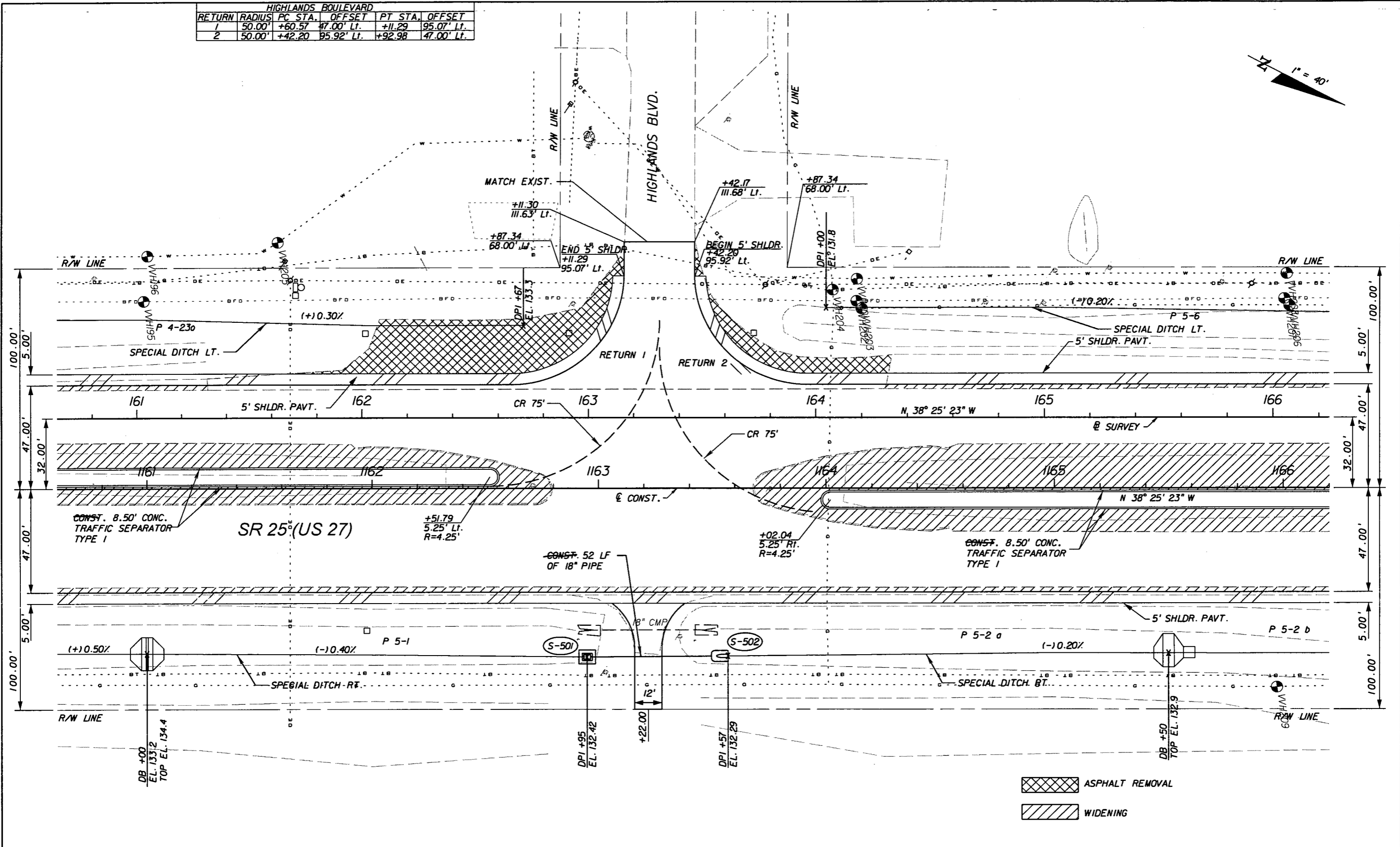
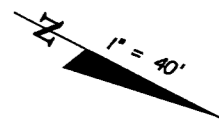
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

SHEET NO.  
 51

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

HIGHLANDS BOULEVARD					
RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	50.00'	+60.57	47.00' Lt.	+11.29	95.07' Lt.
2	50.00'	+42.20	95.92' Lt.	+92.98	47.00' Lt.



- ASPHALT REMOVAL
- WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

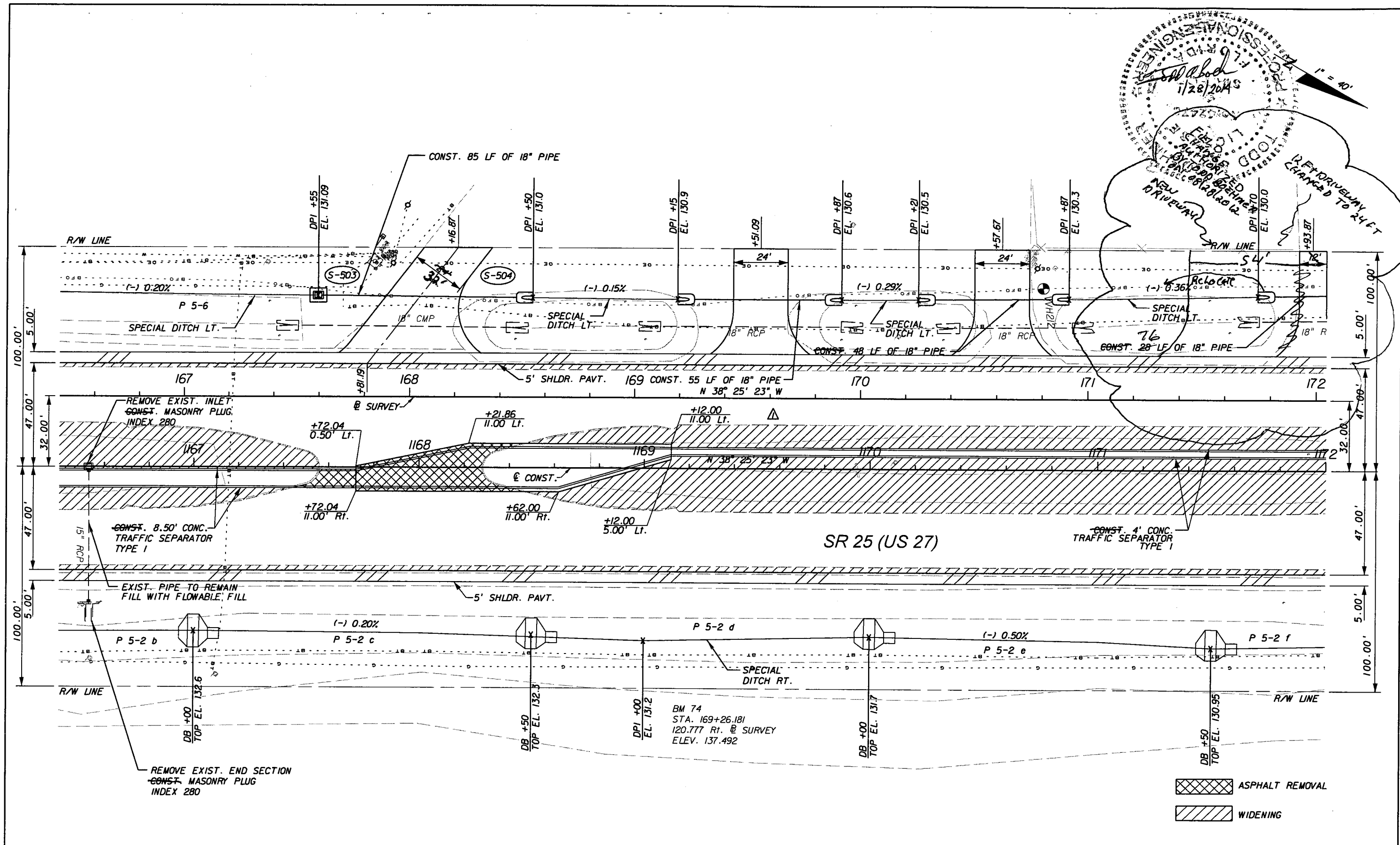
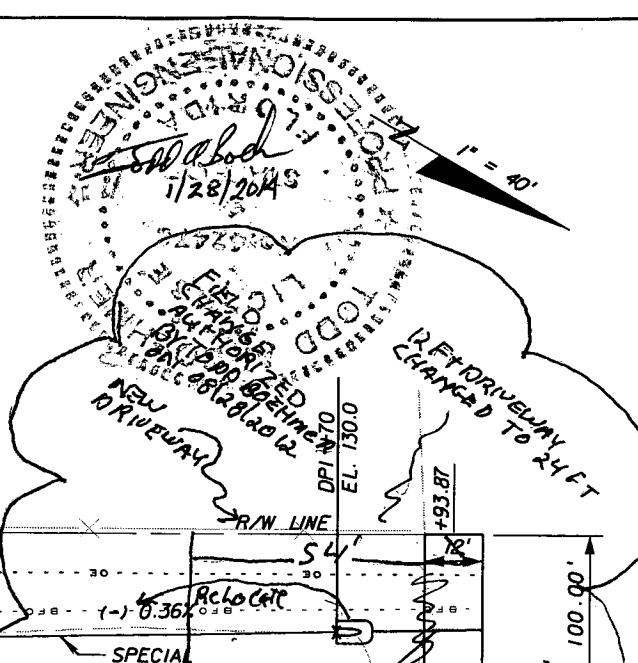
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

PLAN (20)

SHEET NO.
52

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ASPHALT REMOVAL  
 WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISED MEDIAN.			

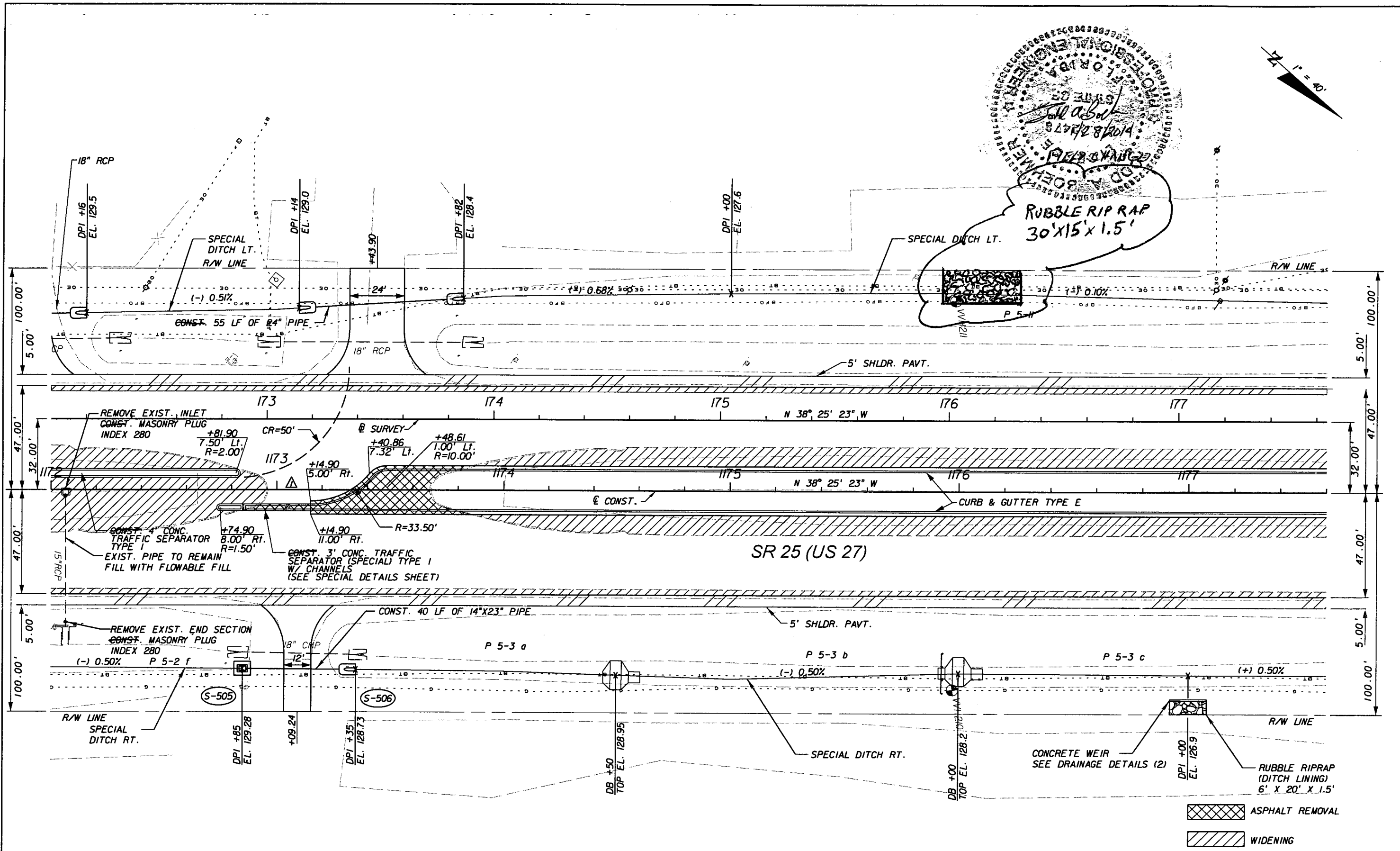
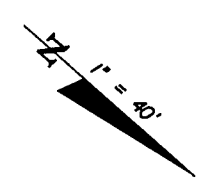
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**PLAN (21)**

SHEET NO.  
 53

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADDED NB DIRECTIONAL MEDIAN OPENING.			

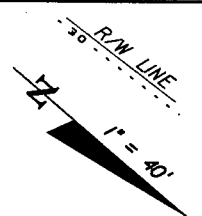
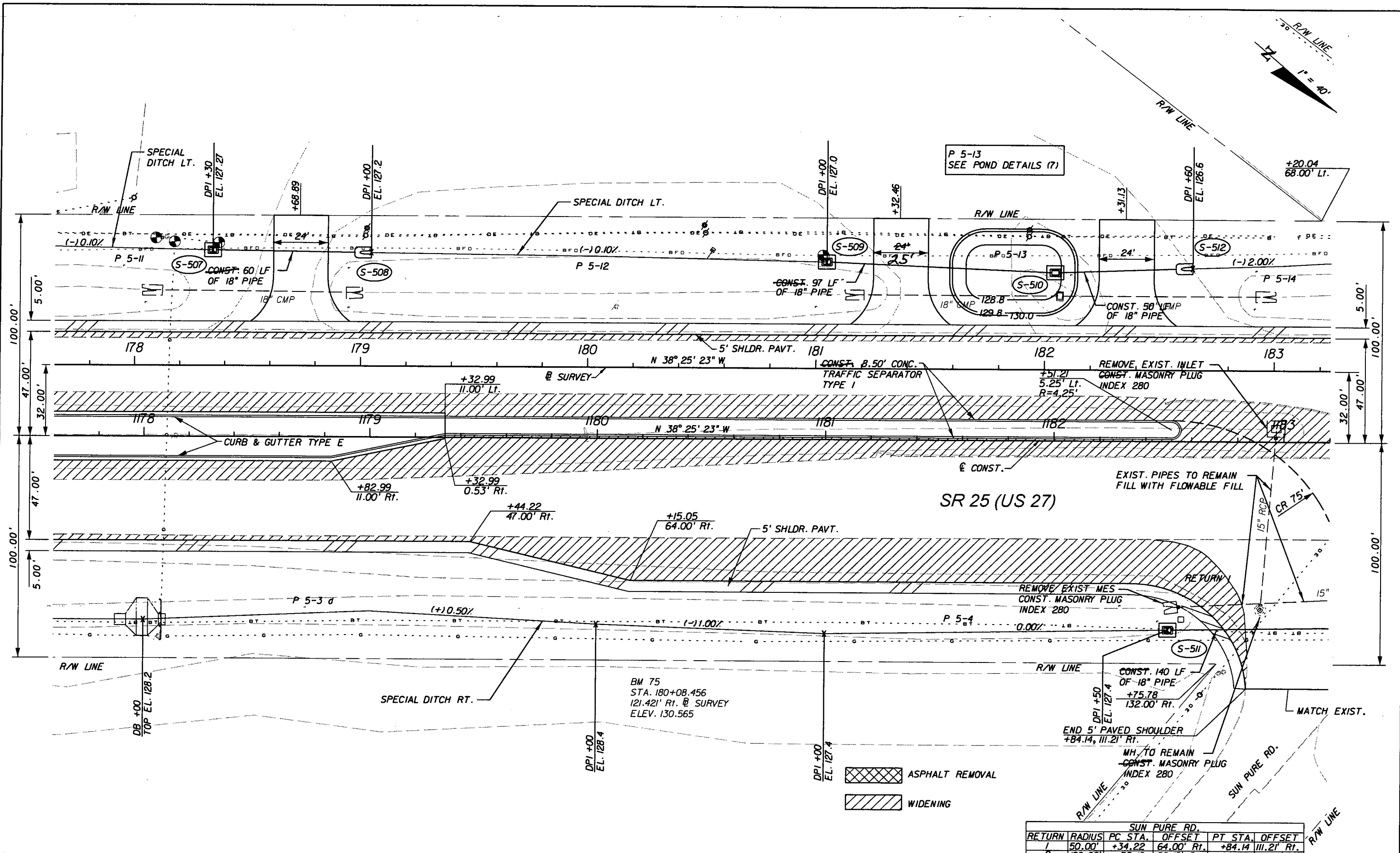
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**PLAN (22)**

SHEET NO.  
54

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ASPHALT REMOVAL  
 WIDENING

SUN PURE RD.					
RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	50.00'	+34.22	64.00' Rt.	+84.14	111.21' Rt.
2	100.00'	+53.18	82.19' Rt.	+29.33	47.00' Rt.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

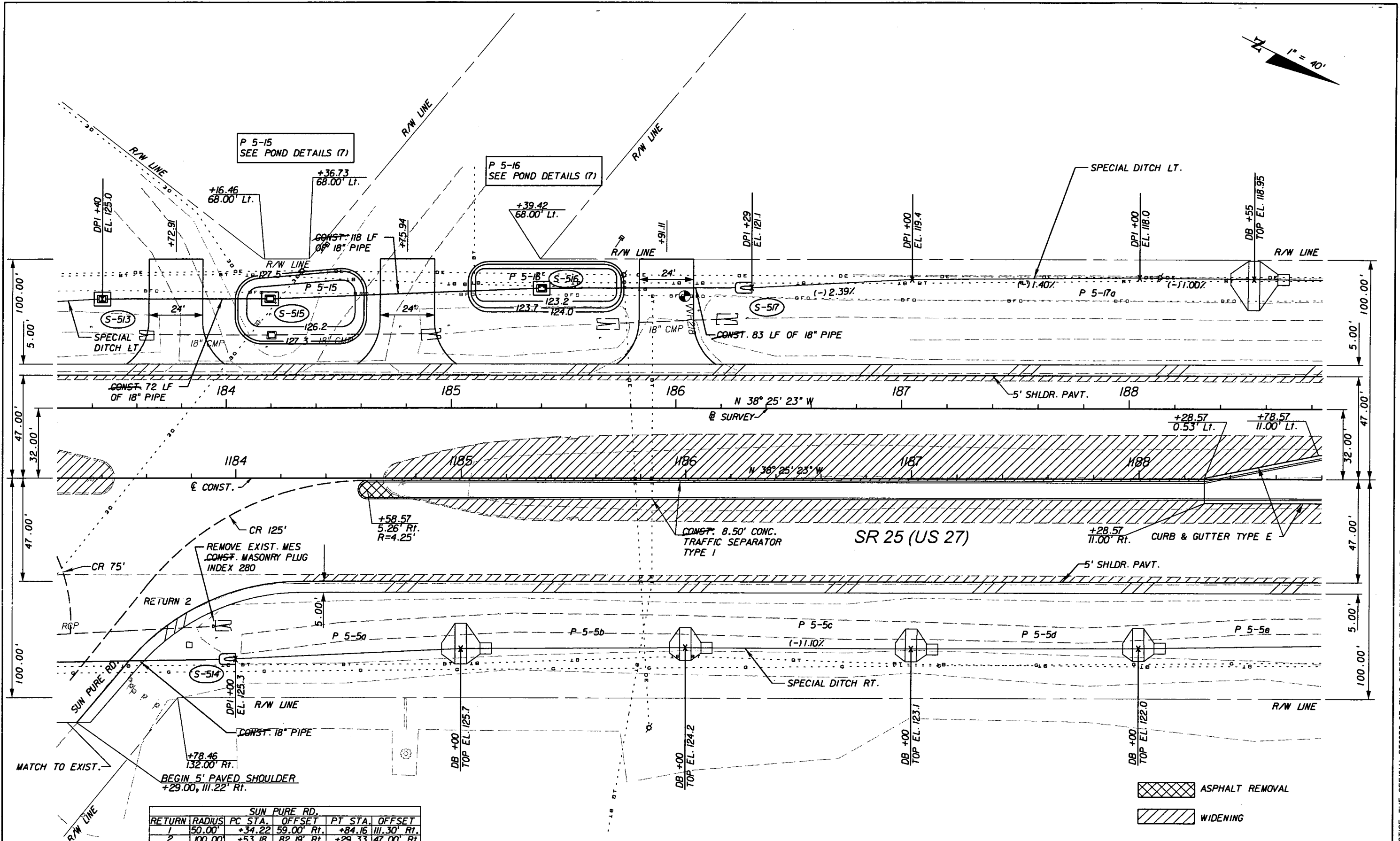
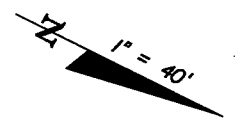
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. 25    COUNTY HIGHLANDS    FINANCIAL PROJECT ID 194485-1-52-01

**PLAN (23)**

SHEET NO. 55

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SUN PURE RD.					
RETURN	RADIUS	PC STA.	OFFSET	PT STA.	OFFSET
1	50.00'	+34.22	59.00' Rt.	+84.16	111.30' Rt.
2	100.00'	+53.18	82.19' Rt.	+29.33	47.00' Rt.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ASPHALT REMOVAL  
 WIDENING

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DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

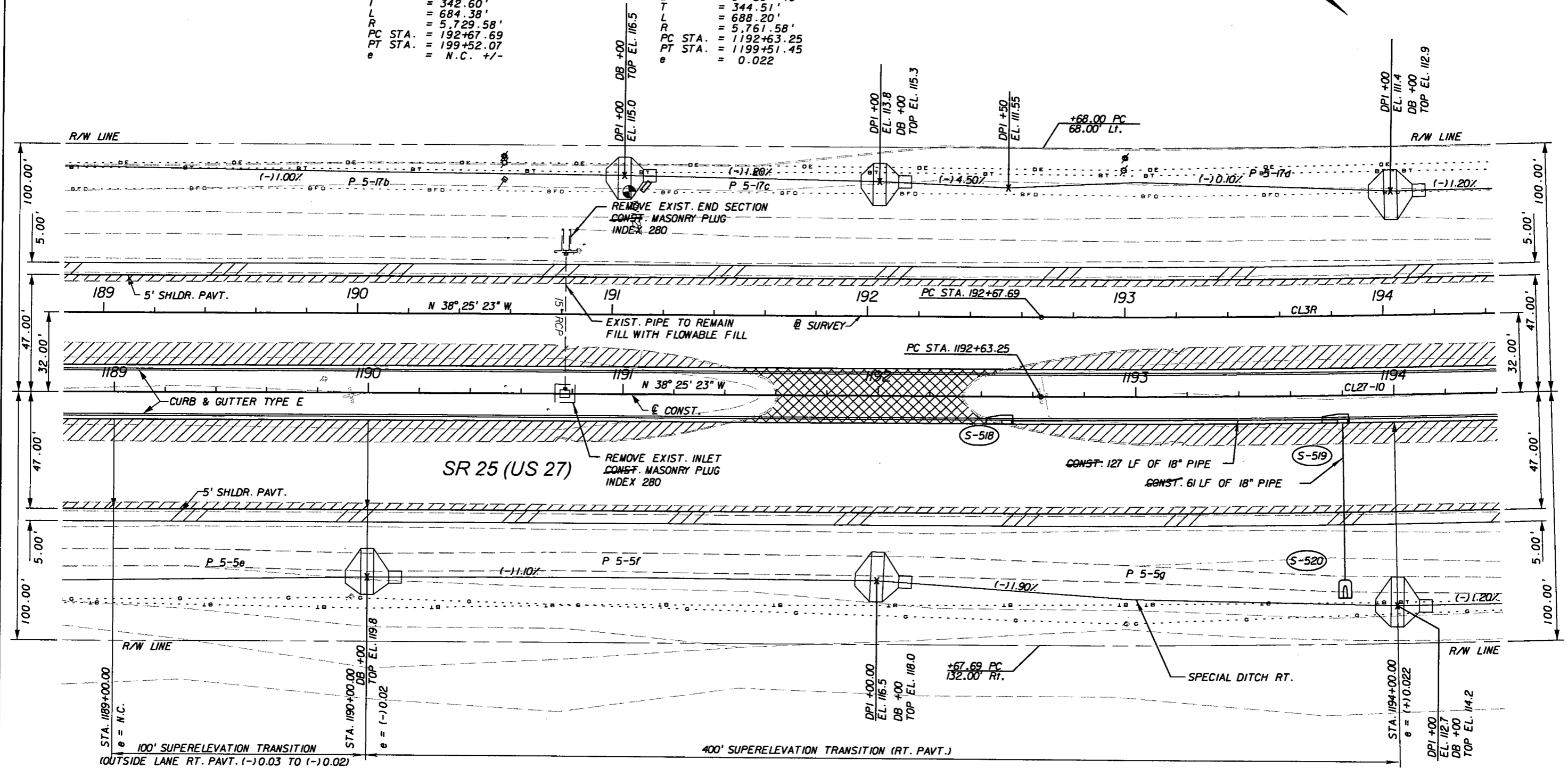
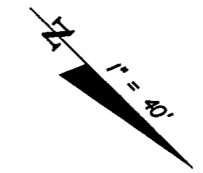
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

PLAN (24)

SHEET NO.
56

**B SURVEY CURVE CL3R**  
 PI STA. = 196+10.29  
 Delta = 6° 50' 38" Lt.  
 D = 1° 00' 00"  
 T = 342.60'  
 L = 684.38'  
 R = 5,729.58'  
 PC STA. = 192+67.69  
 PT STA. = 199+52.07  
 e = N.C. +/-

**E CONST. CURVE CL27-10**  
 PI STA. = 1196+07.76  
 Delta = 6° 50' 38" Lt.  
 D = 0° 59' 40"  
 T = 344.51'  
 L = 688.20'  
 R = 5,761.58'  
 PC STA. = 1192+63.25  
 PT STA. = 1199+51.45  
 e = 0.022



BM 76  
 STA. 191+07.473  
 111.645 Rt. @ SURVEY  
 ELEV. 120.571

ASPHALT REMOVAL  
 WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

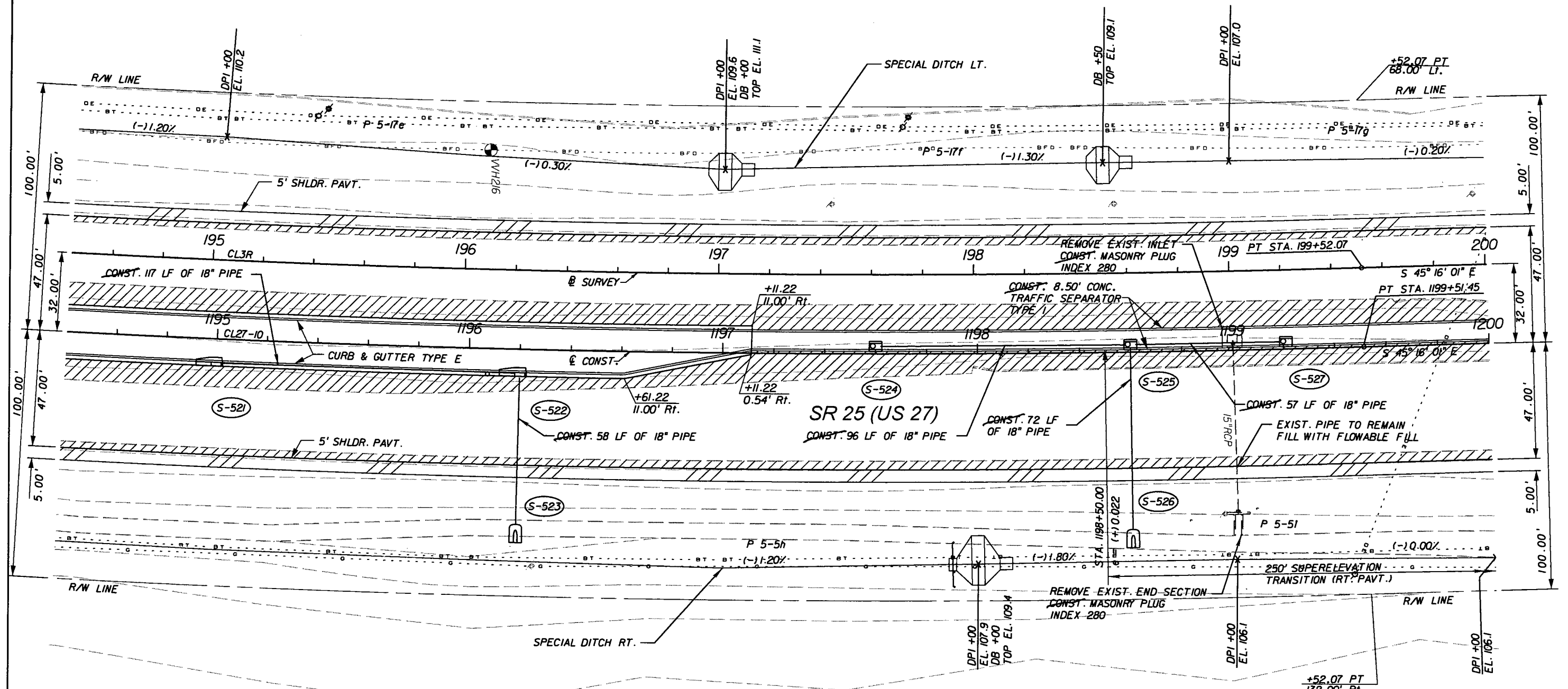
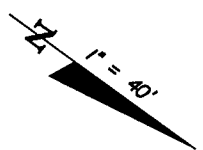
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**PLAN (25)**

SHEET NO.  
57

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**② SURVEY CURVE CL3R**  
 PI STA. = 196+10.29  
 Delta = 6° 50' 38" Lt.  
 D = 1° 00' 00"  
 T = 342.60'  
 L = 684.38'  
 R = 5,729.58'  
 PC STA. = 192+67.69  
 PT STA. = 199+52.07  
 e = N.C. +/-

**③ CONST. CURVE CL27-10**  
 PI STA. = 1196+07.76  
 Delta = 6° 50' 38" Lt.  
 D = 0° 59' 40"  
 T = 344.51'  
 L = 688.20'  
 R = 5,761.58'  
 PC STA. = 1192+63.25  
 PT STA. = 1199+51.45  
 e = 0.022

ASPHALT REMOVAL  
 WIDENING

SECTION LINE  
 SECTION 4  
 SECTION 5

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

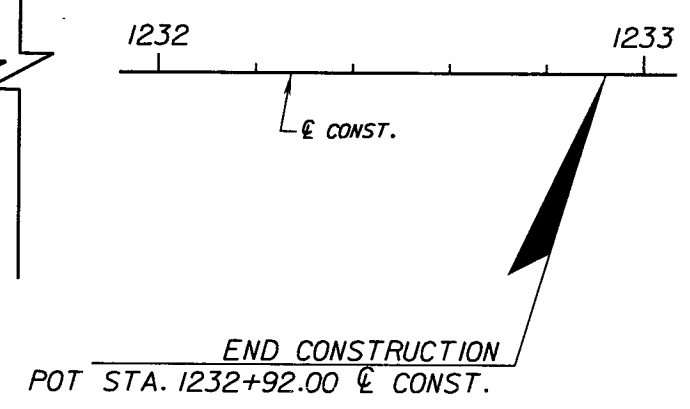
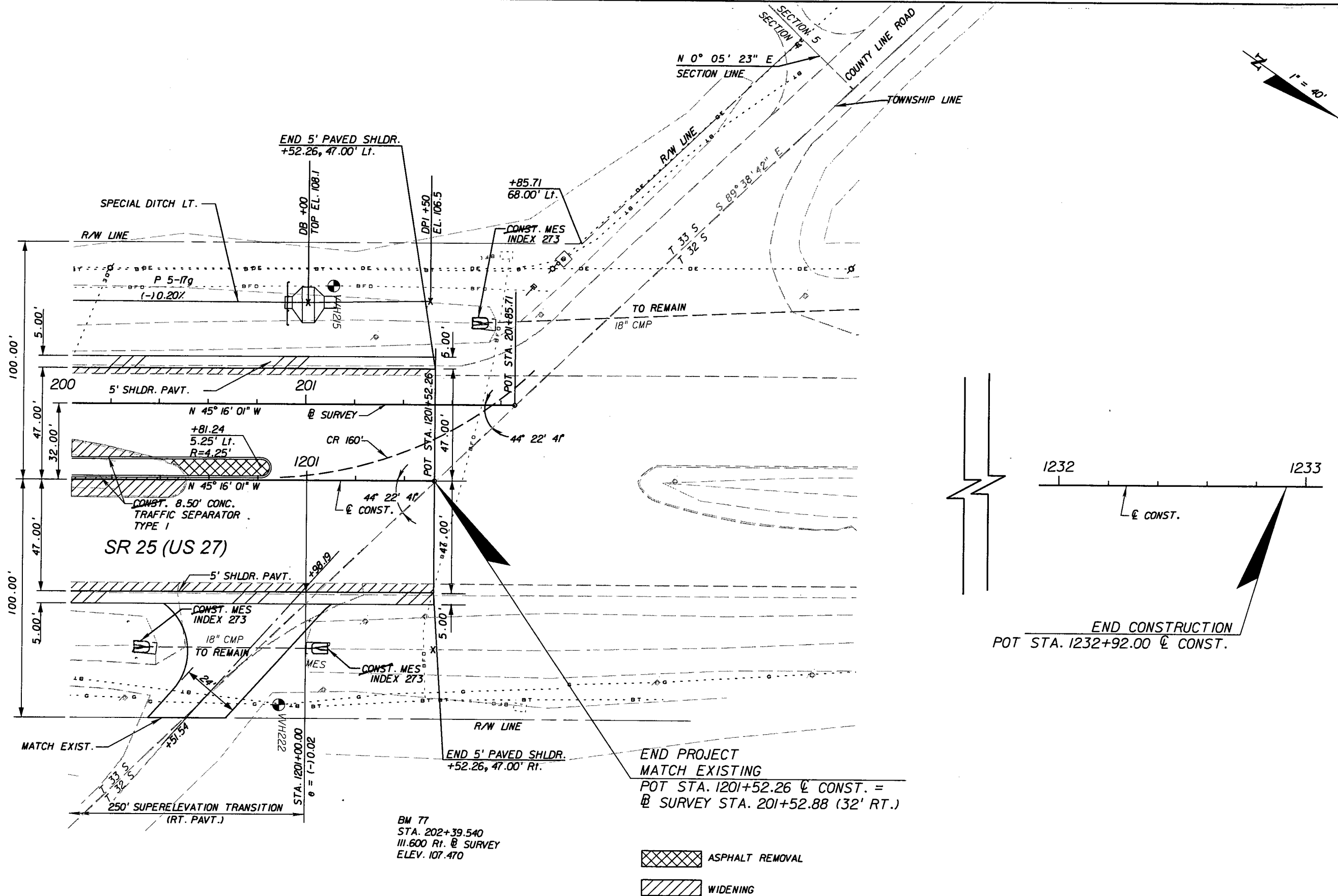
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**PLAN (26)**

SHEET NO.  
58

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BM 77  
 STA. 202+39.540  
 111.600 RI. @ SURVEY  
 ELEV. 107.470

- ASPHALT REMOVAL
- WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

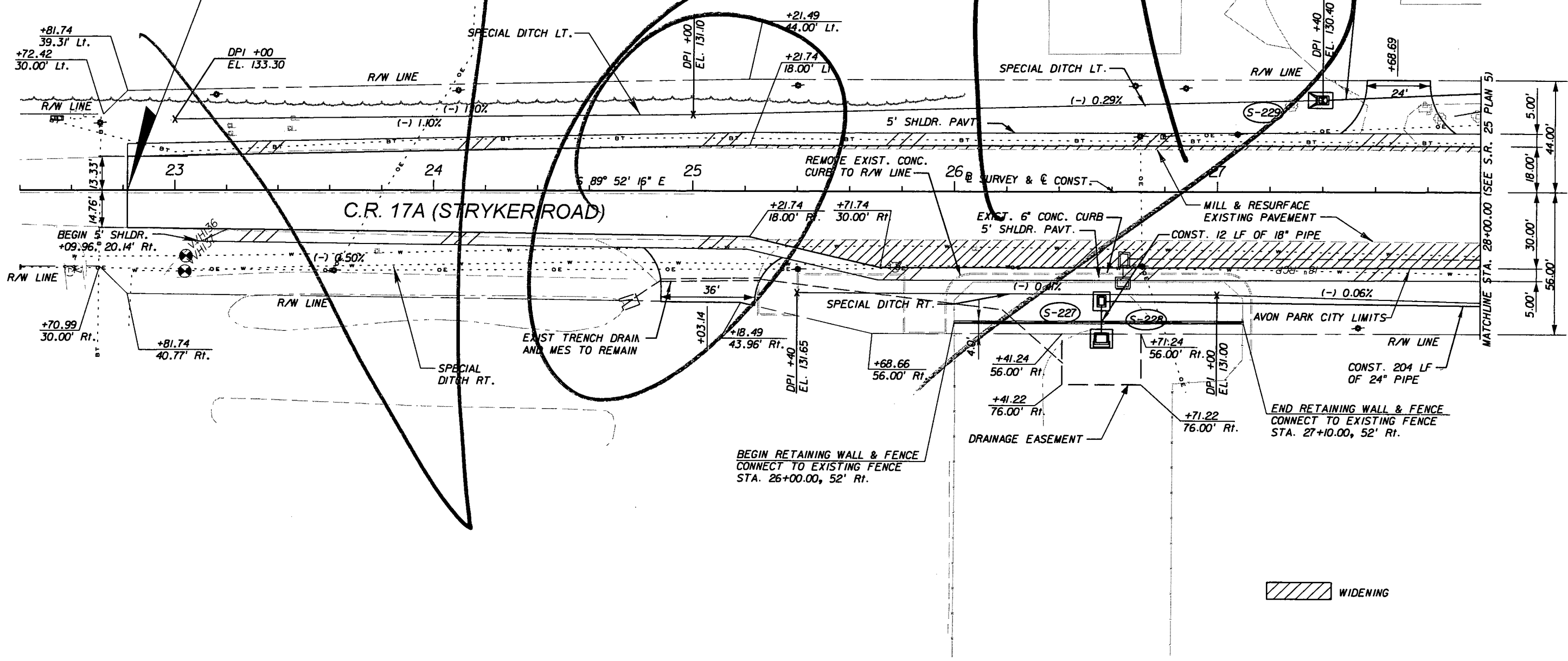
**PLAN (27)**

SHEET NO.  
59

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BEGIN WIDENING & MILLING & RESURFACING  
MATCH EXISTING  
@ SURVEY & C. CONST. STA. 22+81.74  
S.R. 17A (STRYKER ROAD)



WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

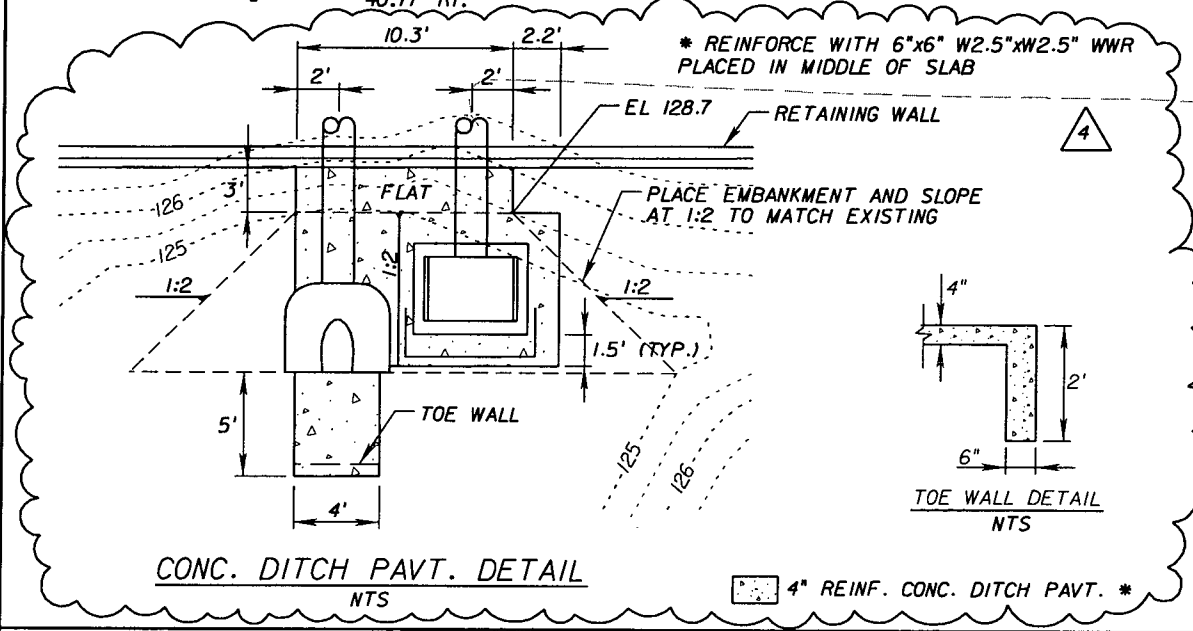
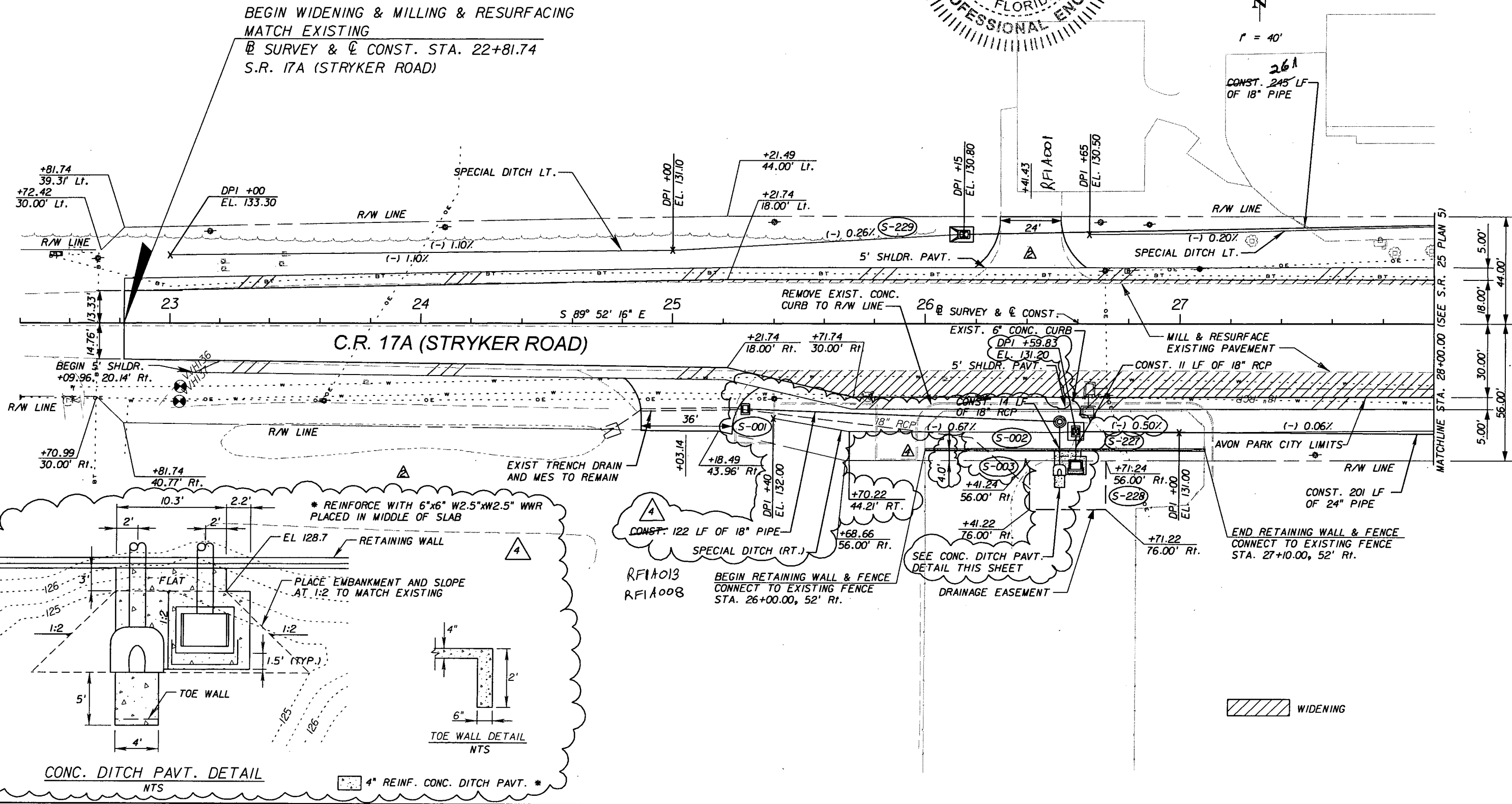
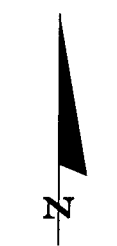
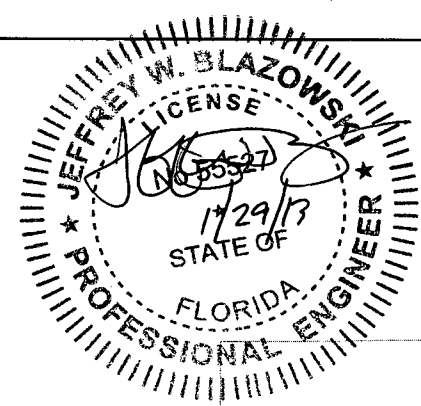
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**PLAN (28)**

SHEET NO.  
60

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
9/6/11	JWB	RELOCATED DRIVEWAY.	9/6/11	DK	DELETED NOTE.
9/6/11	DK	SHIFTED S-229 WEST AND MODIFIED DITCHES TO ACCOMMODATE REVISED D/W.	01-29-13	DK	ADDED CONC. PAVT. DETAIL
			01-29-13	DK	ADDED S-001, S-002 AND S-003
			01-29-13	JWB	MODIFIED CALLOUT.

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

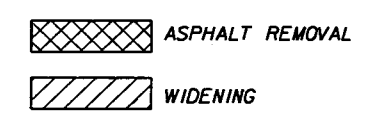
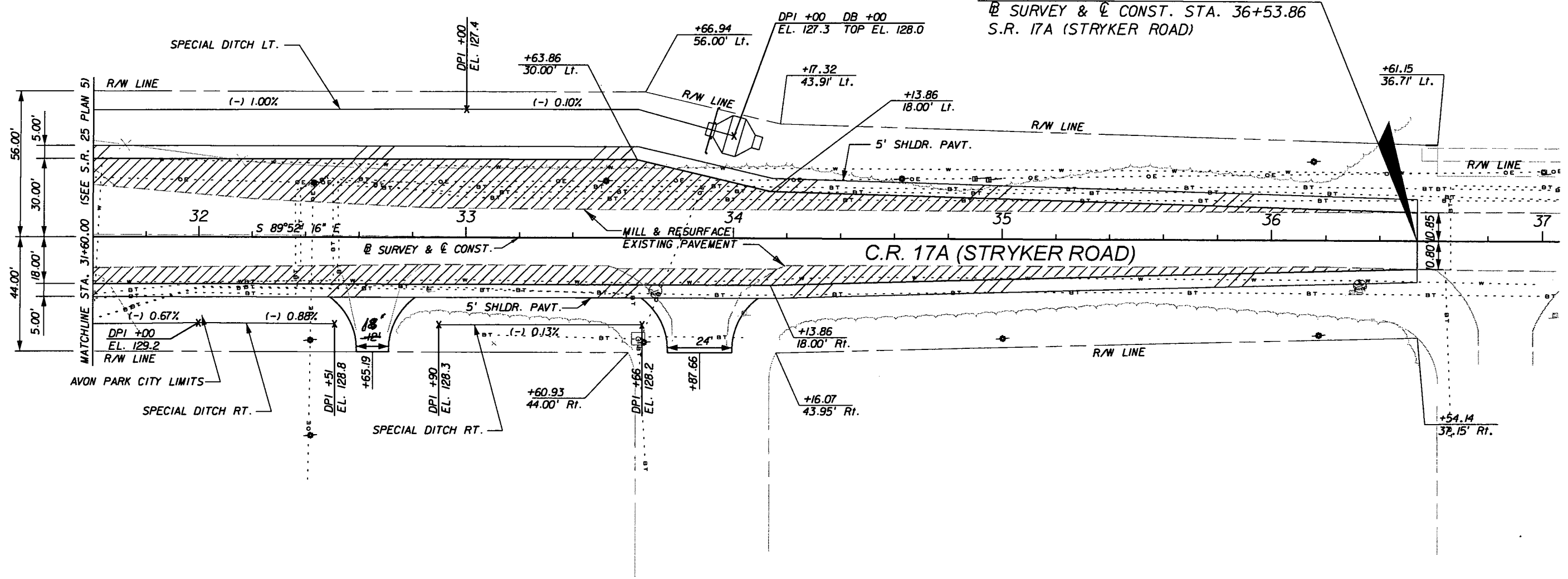
PLAN (28)

SHEET NO.  
60

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END WIDENING & MILLING & RESURFACING  
MATCH EXISTING  
@ SURVEY & @ CONST. STA. 36+53.86  
S.R. 17A (STRYKER ROAD)



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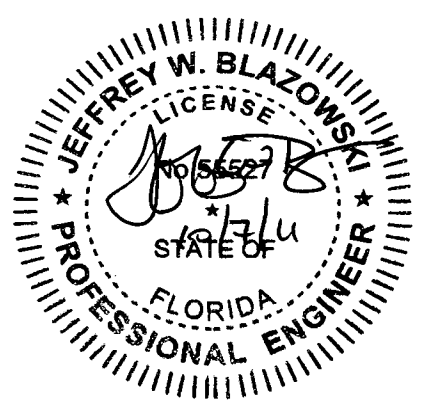
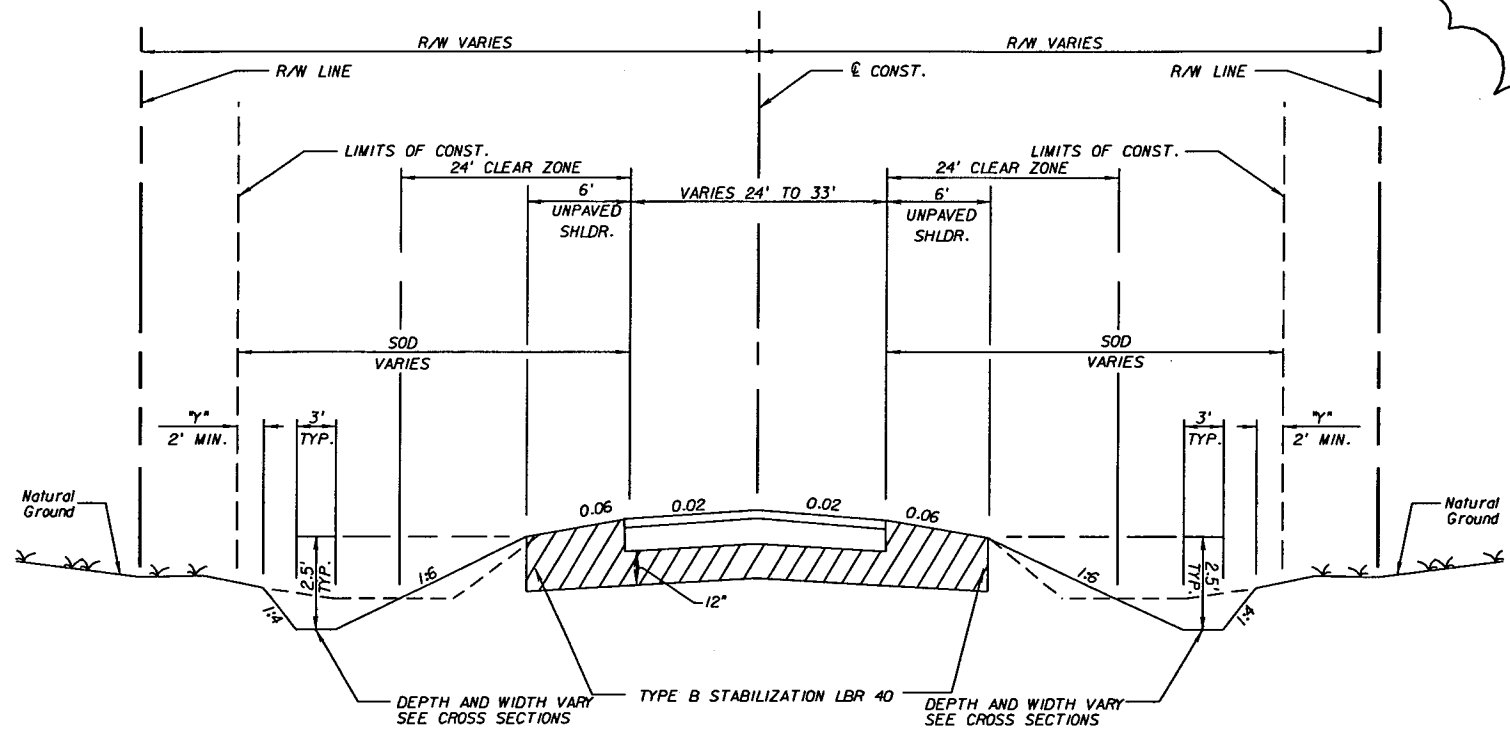
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

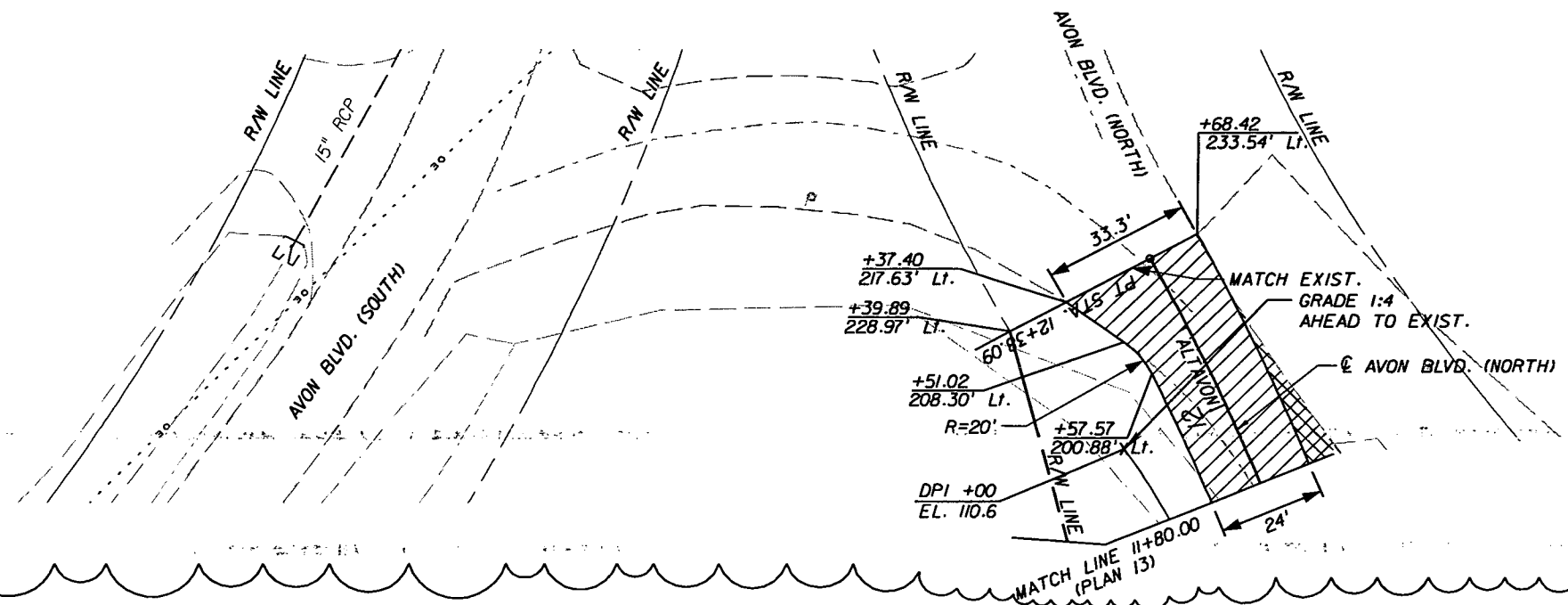
PLAN (29)

SHEET NO.  
61



**TYPICAL SECTION #5  
 AVON BLVD. NORTH  
 STA. 11+00.00 TO STA. 12+38.09**

**WIDENING**  
 OPTIONAL BASE GROUP 9 AND  
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) 3" AND  
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) 2" (PG 76-22)  
 FRICTION COURSE FC-5 (PG 76-22) 3/4"



**CONST. CURVE ALTAVON**

PI STA.	= 11+21.06
DELTA	= 25° 32' 47" (LT)
D	= 10° 43' 46"
T	= 121.06
L	= 238.09
R	= 534.00
PC STA.	= 10+00.00
PT STA.	= 12+38.09
e	= 0.020

ASPHALT REMOVAL  
 WIDENING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
10/7/11	JWB	ADDED NEW SHEET FOR AVON BLVD. NORTH.			

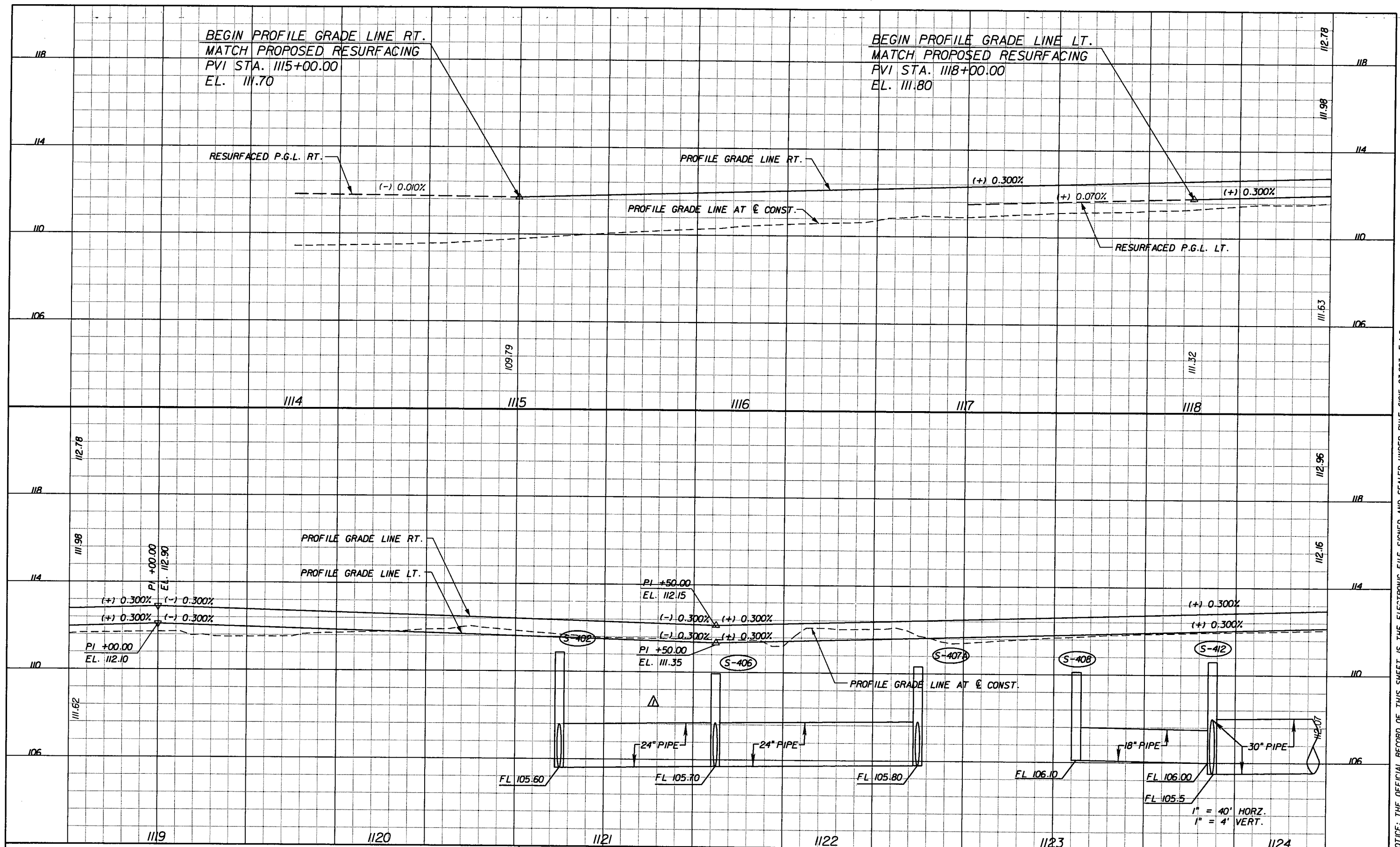
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

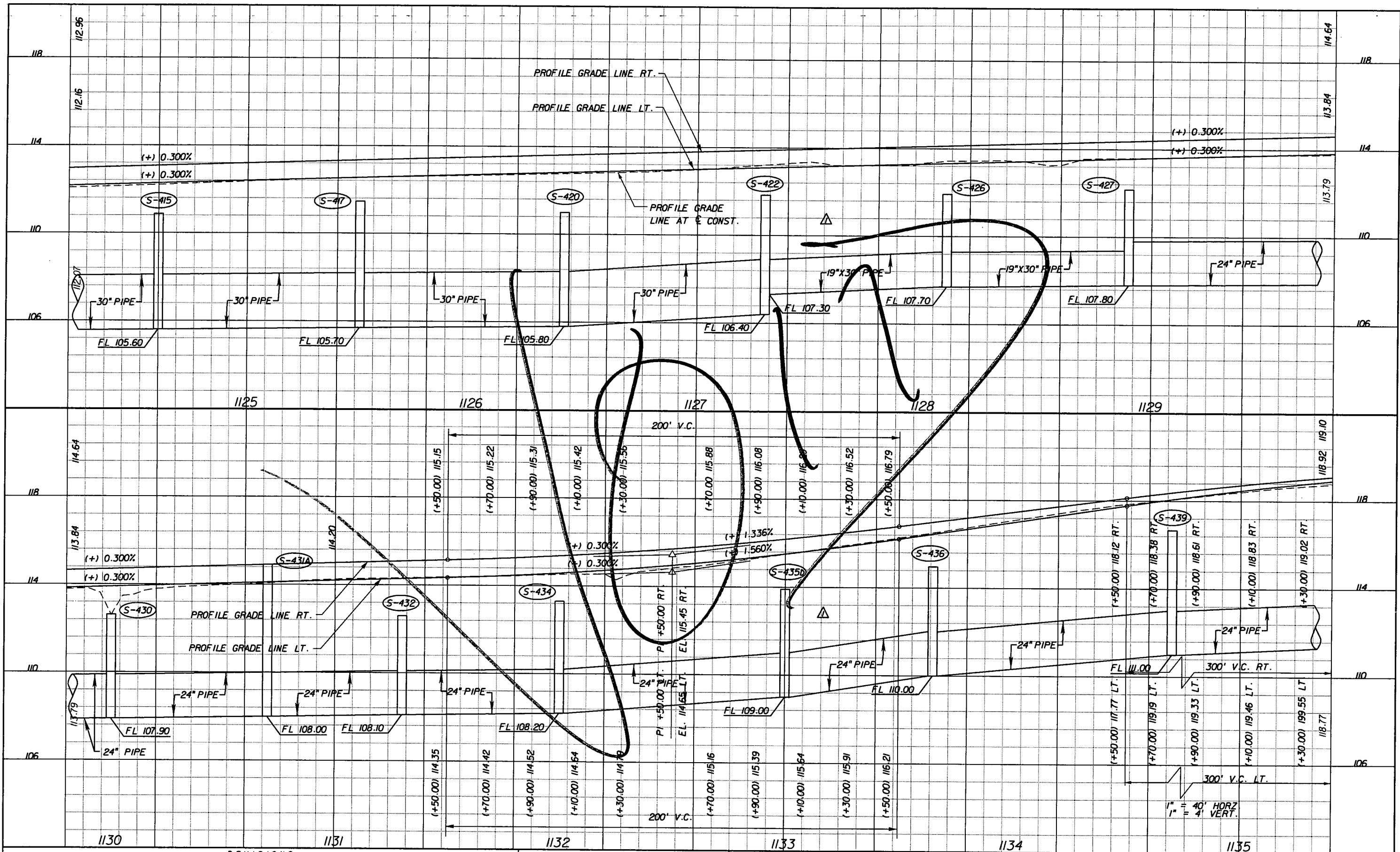
**PLAN (30)**

SHEET NO.  
61A

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISED STORM SEWER PROFILES.			

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 7650 West Courtney  
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 Certificate of Authorization No. 00000002  
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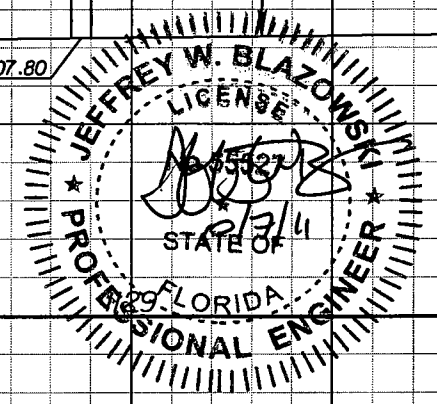
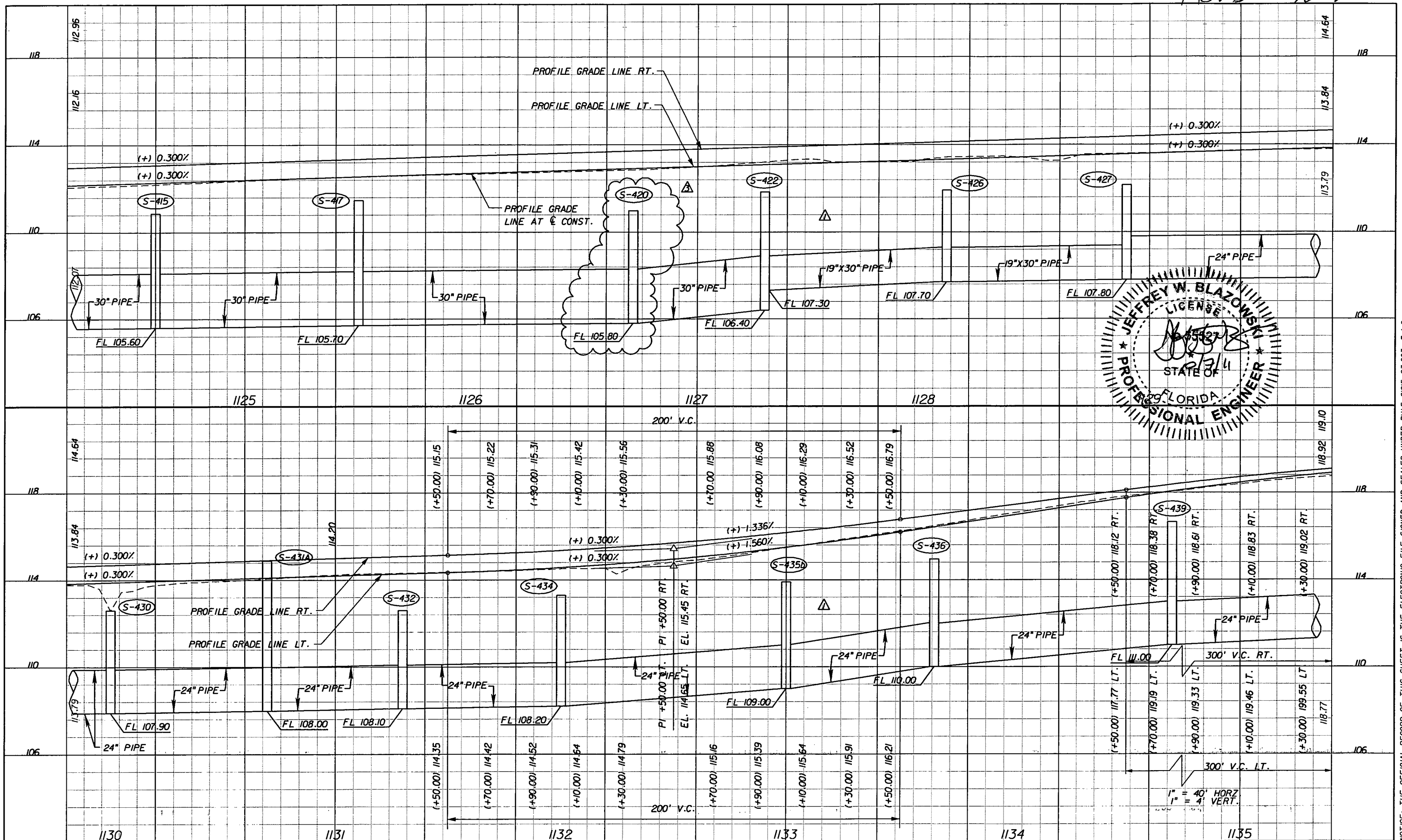
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**ROADWAY PROFILE**  
**S.R. 25**

SHEET NO. 63

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Rev 3 10-7-11



REVISIONS		DATE	BY	DESCRIPTION
5/11/11	JWB			REVISED STORM SEWER PROFILES.
5/11/11	JWB			DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.

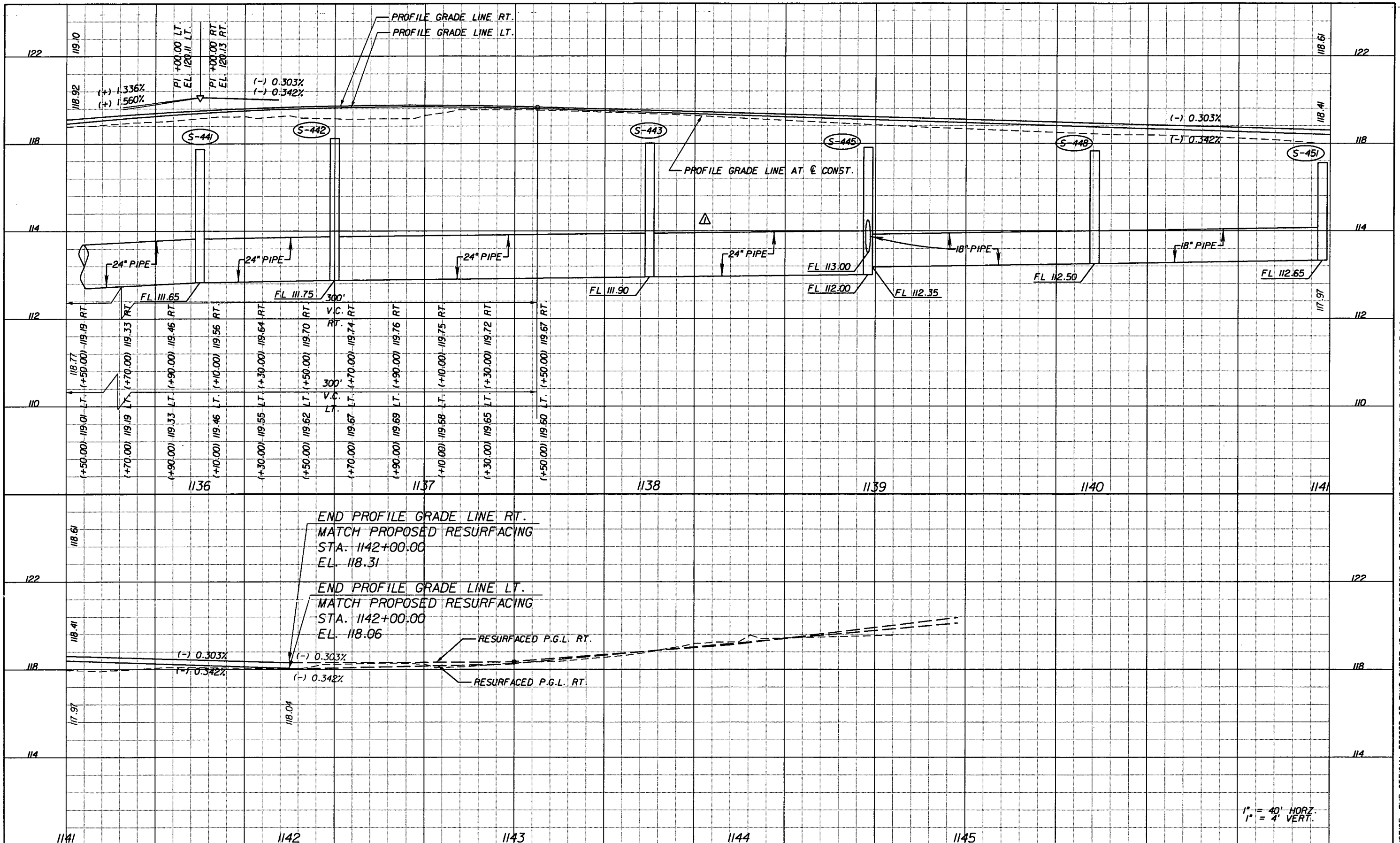
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**ROADWAY PROFILE**  
**S.R. 25**

SHEET NO.  
63

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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.

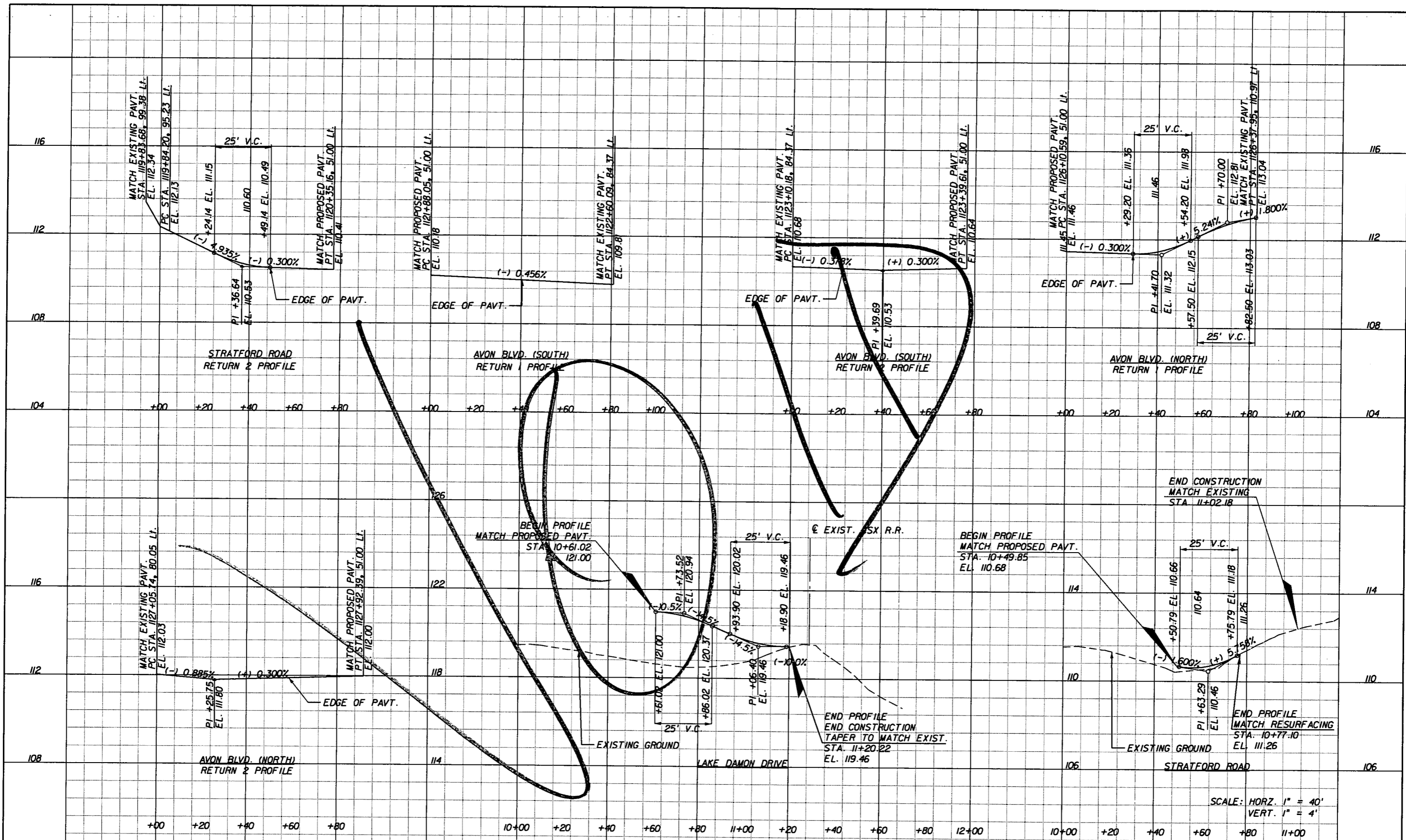
REVISIONS			
DATE	BY	DESCRIPTION	DATE
5/11/11	JWB	REVISED STORM SEWER PROFILES.	

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 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**ROADWAY PROFILE**  
**S.R. 25**

SHEET NO.	64
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
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 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

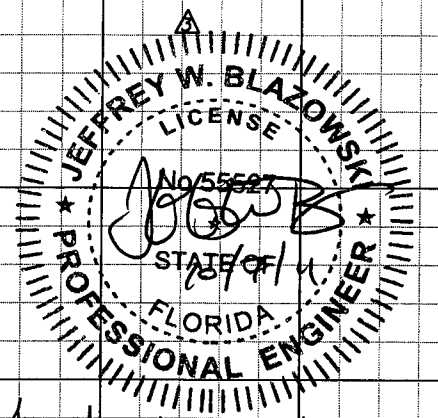
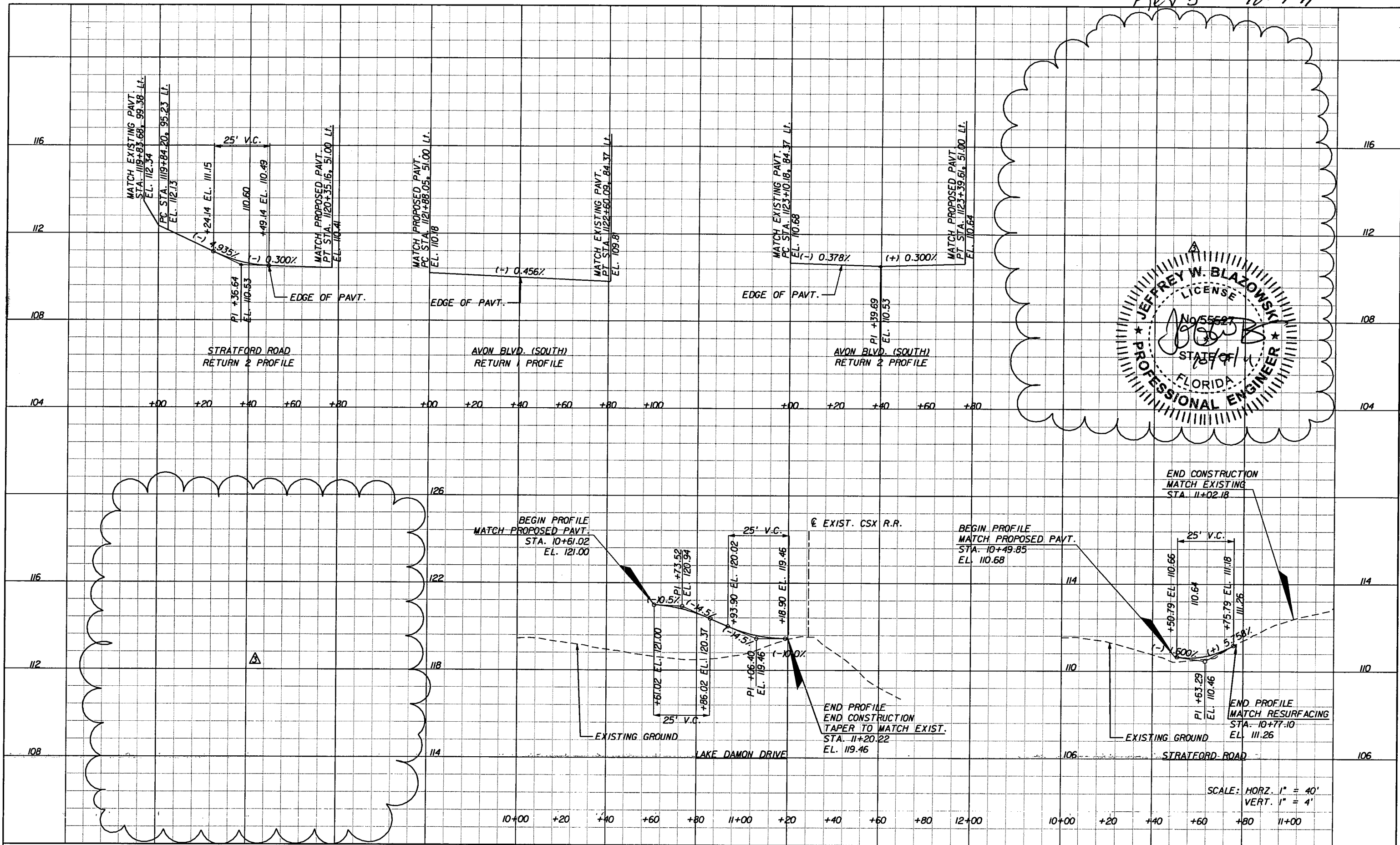
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**SPECIAL PROFILES**

SHEET NO. 65

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Rev 3 10-7-11



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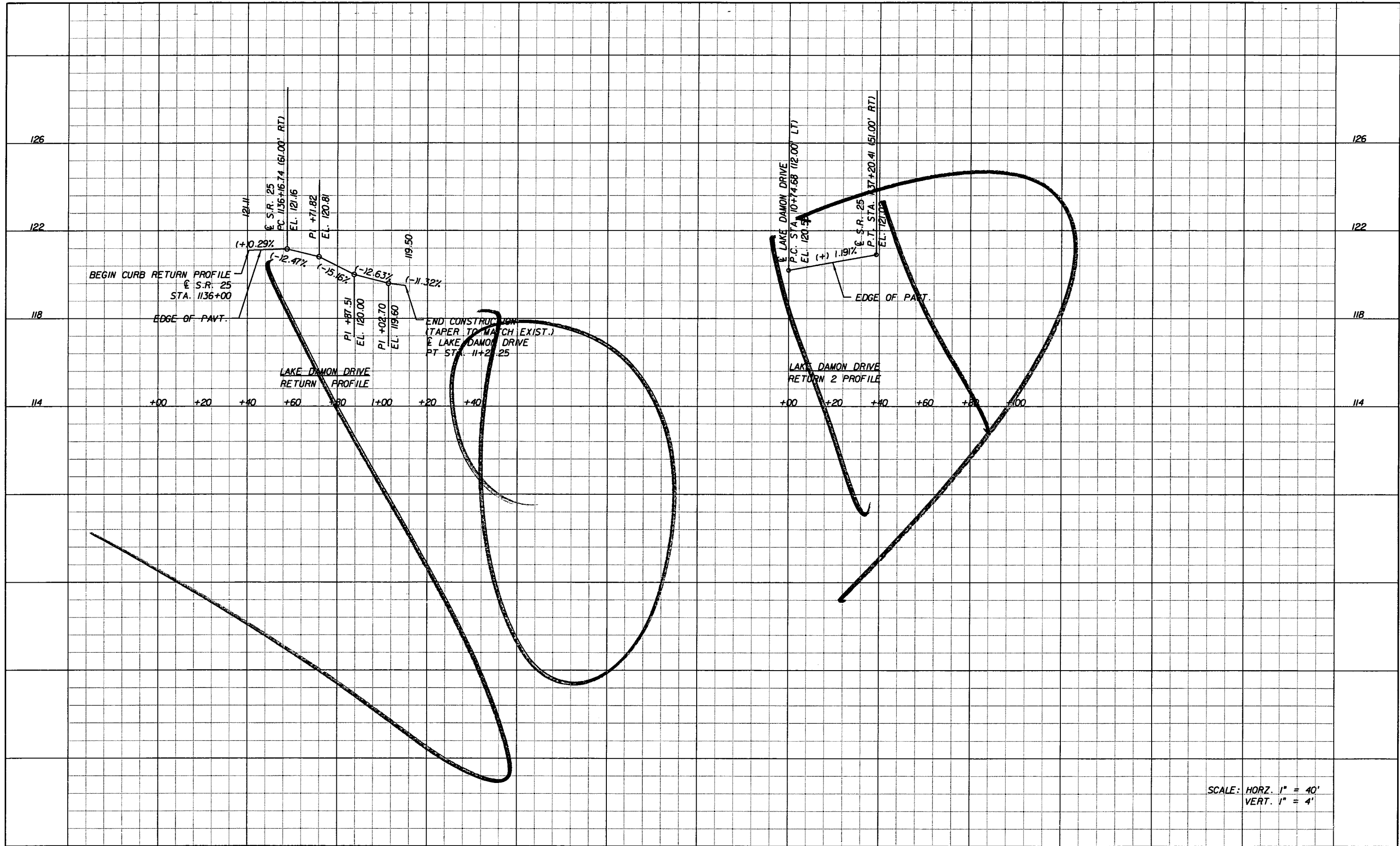
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
10/7/11	JWB	DELETED OLD AVON BLVD. RETURN PROFILES.			

**URS**  
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 C.A. No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**SPECIAL PROFILES**

SHEET NO.  
65



SCALE: HORZ. 1" = 40'  
VERT. 1" = 4'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

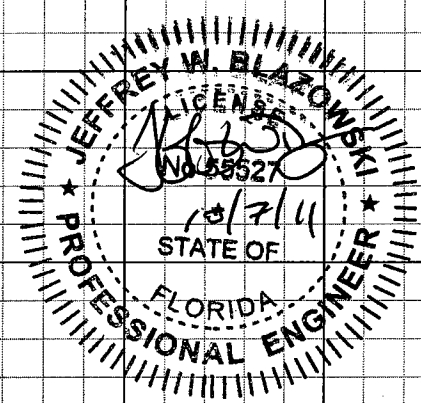
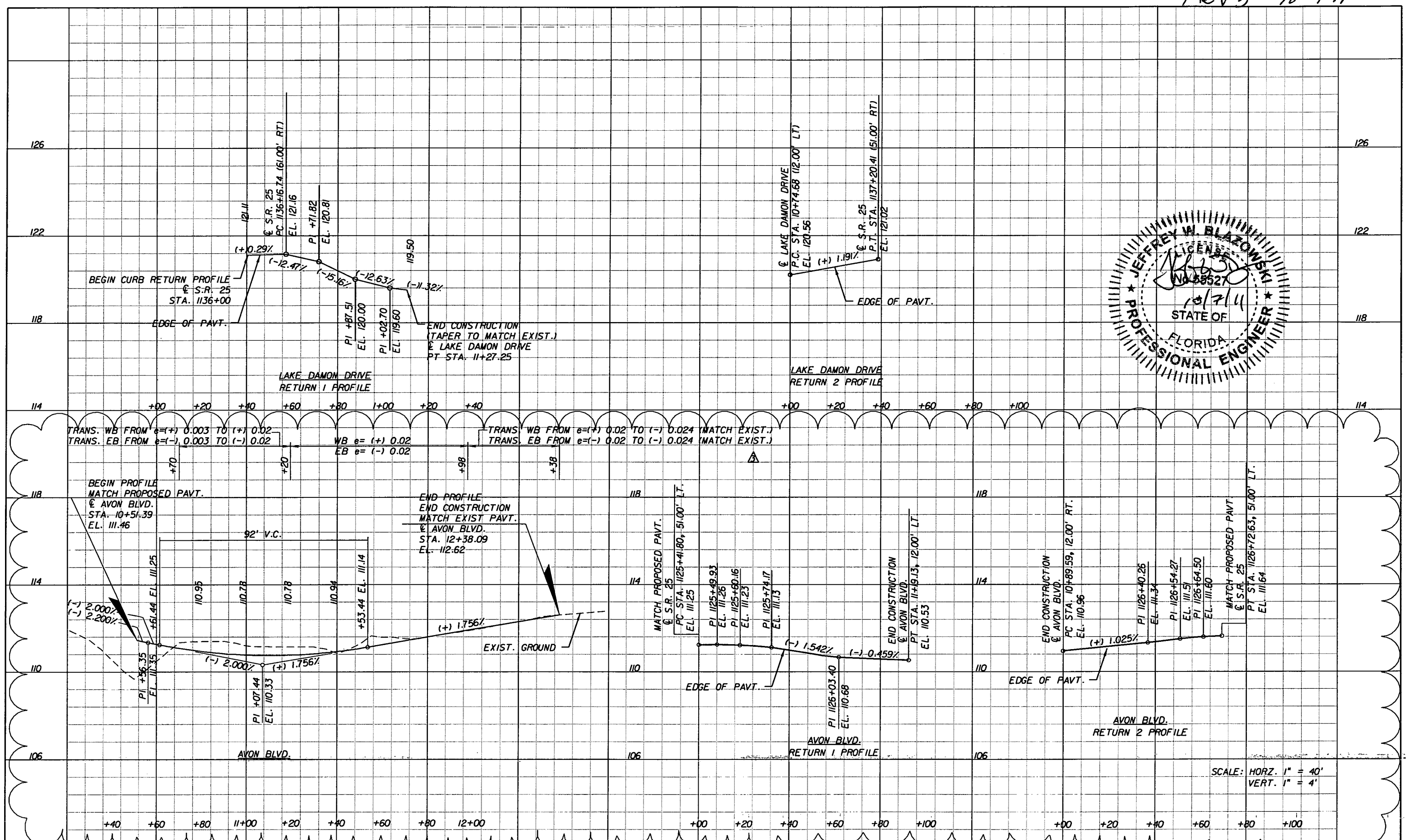
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**SPECIAL PROFILES**

SHEET NO.  
66

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SCALE: HORZ. 1" = 40'  
VERT. 1" = 4'

DATE		BY		DESCRIPTION	DATE		BY		DESCRIPTION
10/7/11		JWB		ADDED AVON BLVD. NORTH PROFILES.					

**URS**  
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7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
C.A. No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

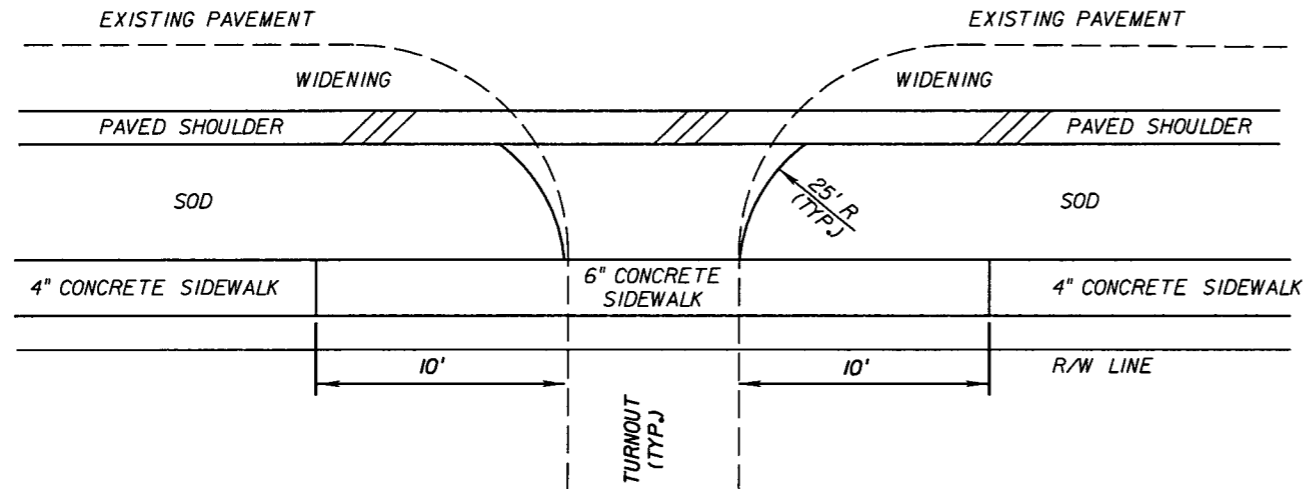
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**SPECIAL PROFILES**

SHEET NO. 66

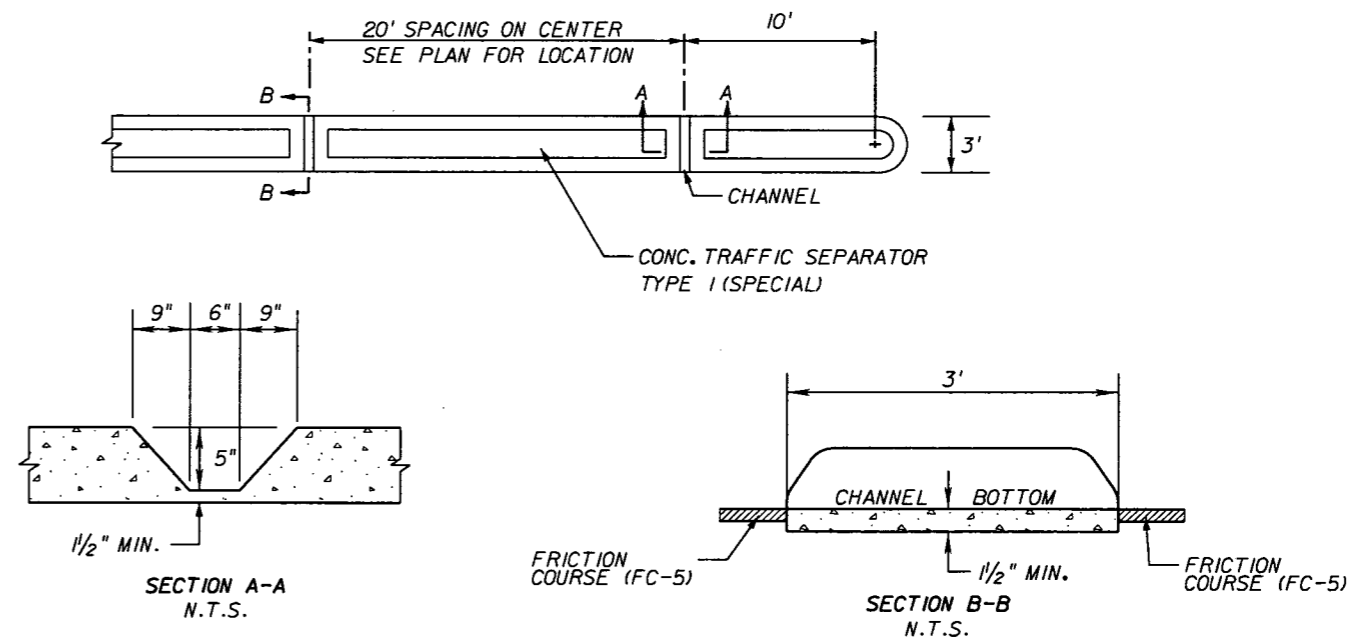
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U.S.27 (S.R.25)



**SIDEWALK DETAIL  
AT TURNOUTS**

N.T.S.



**3' WIDE CONC. TRAFFIC SEPARATOR DETAIL**

N.T.S.

NOTE: CONSTRUCTION OF CHANNELS IS INCLUDED IN THE COST OF CONC. TRAFFIC SEPARATOR TYPE 1 (SPECIAL).

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



URS Corporation Southern  
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Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

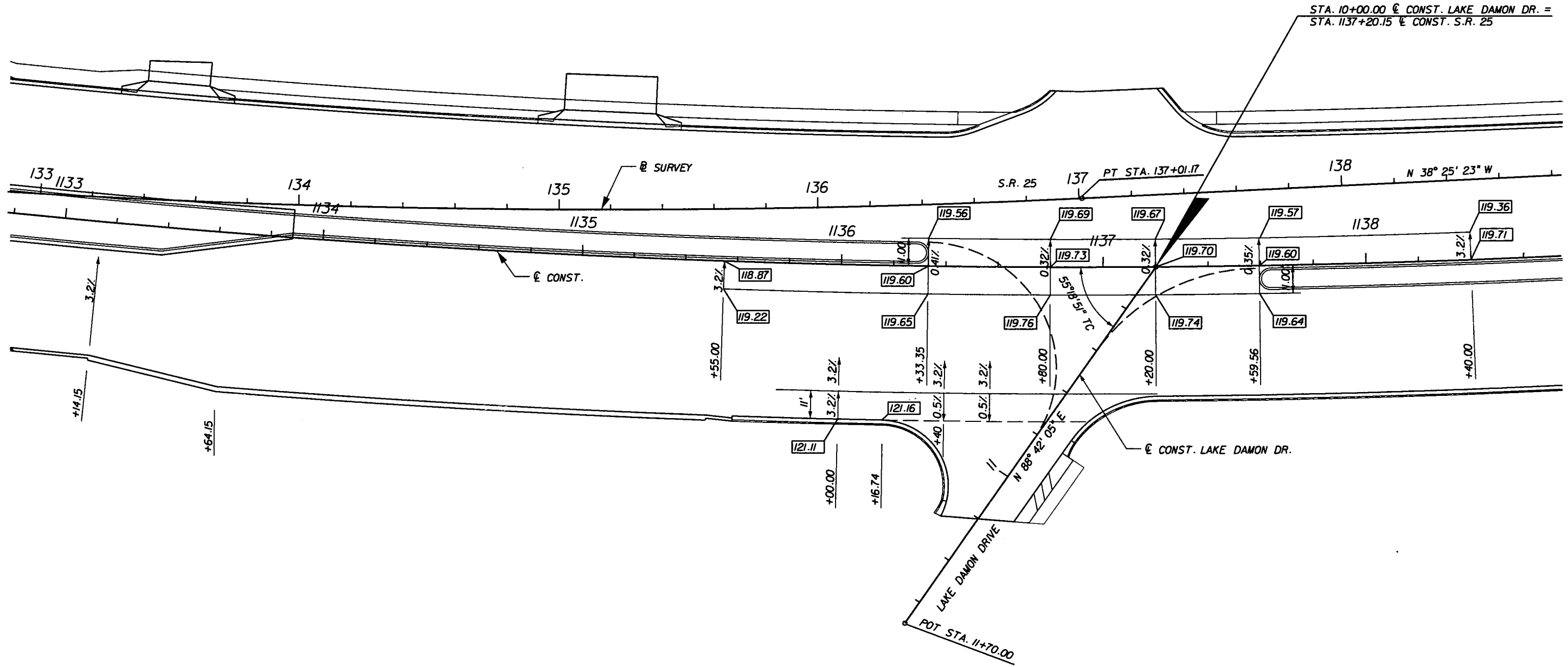
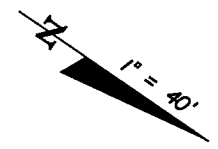
**SPECIAL DETAILS**

SHEET NO.

67

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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6095-23.003, F.A.C.

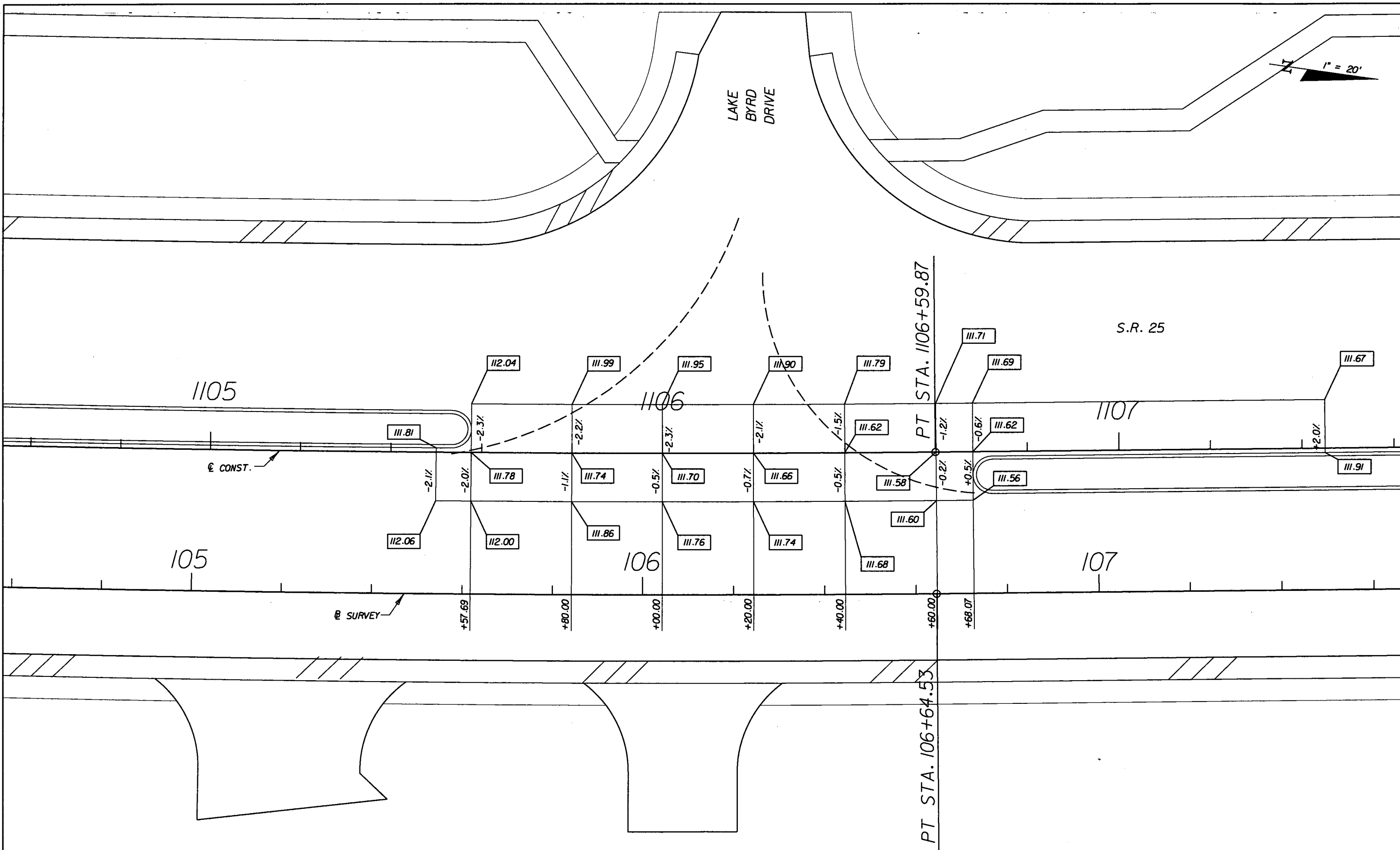
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**SPECIAL DETAILS**

SHEET NO.  
68



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6815-23.003, F.A.C.

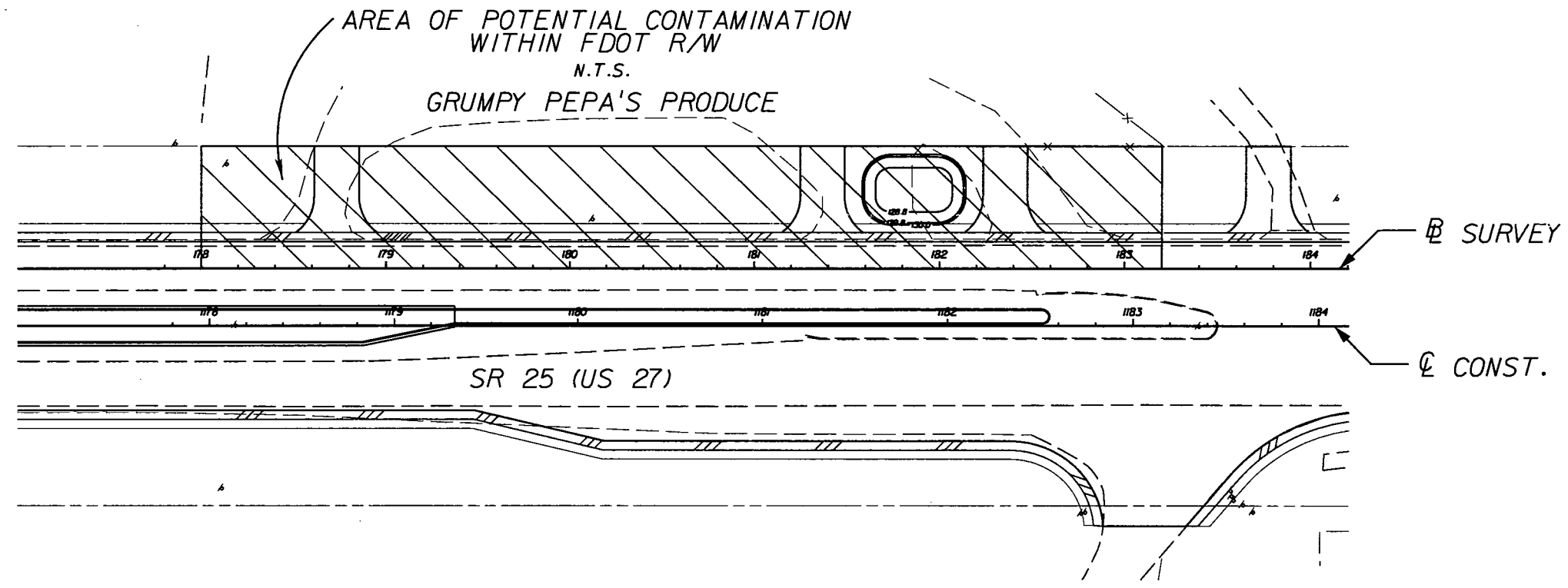
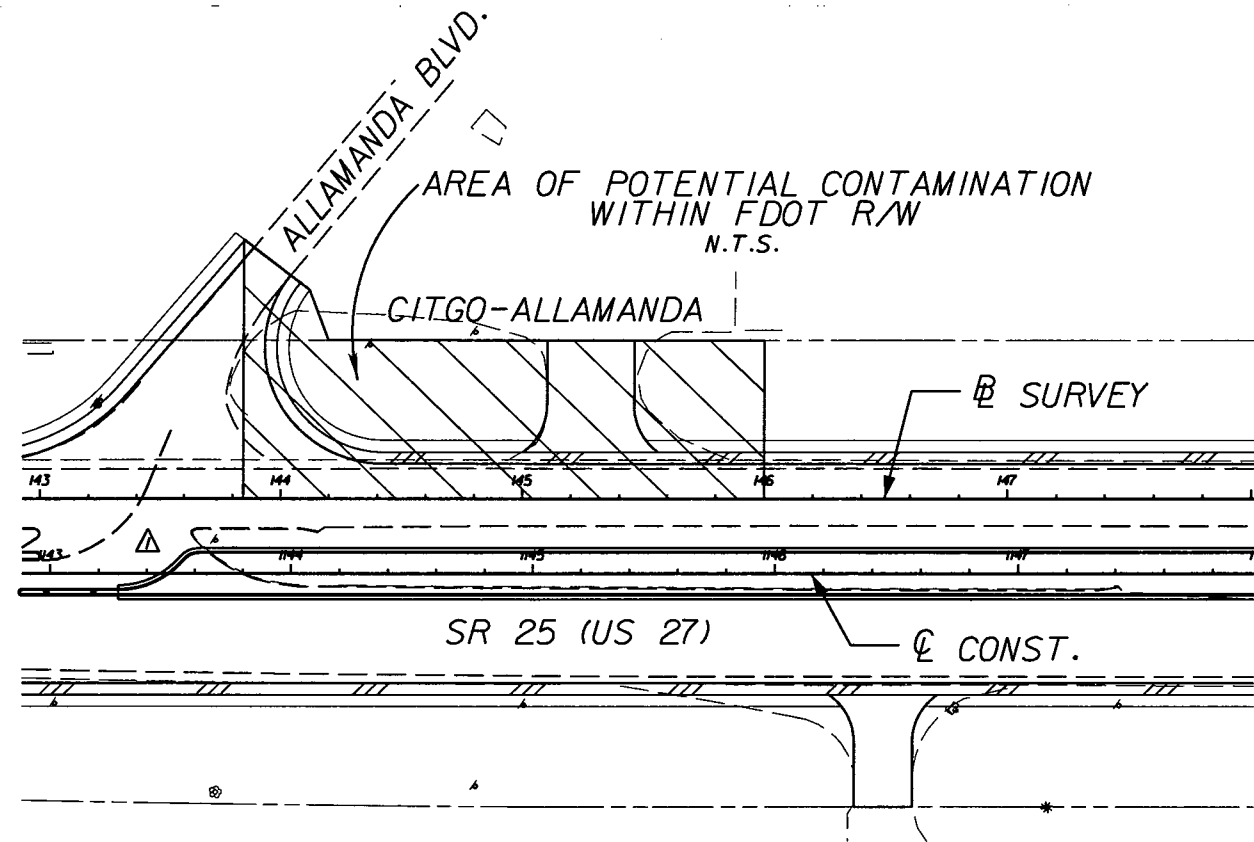
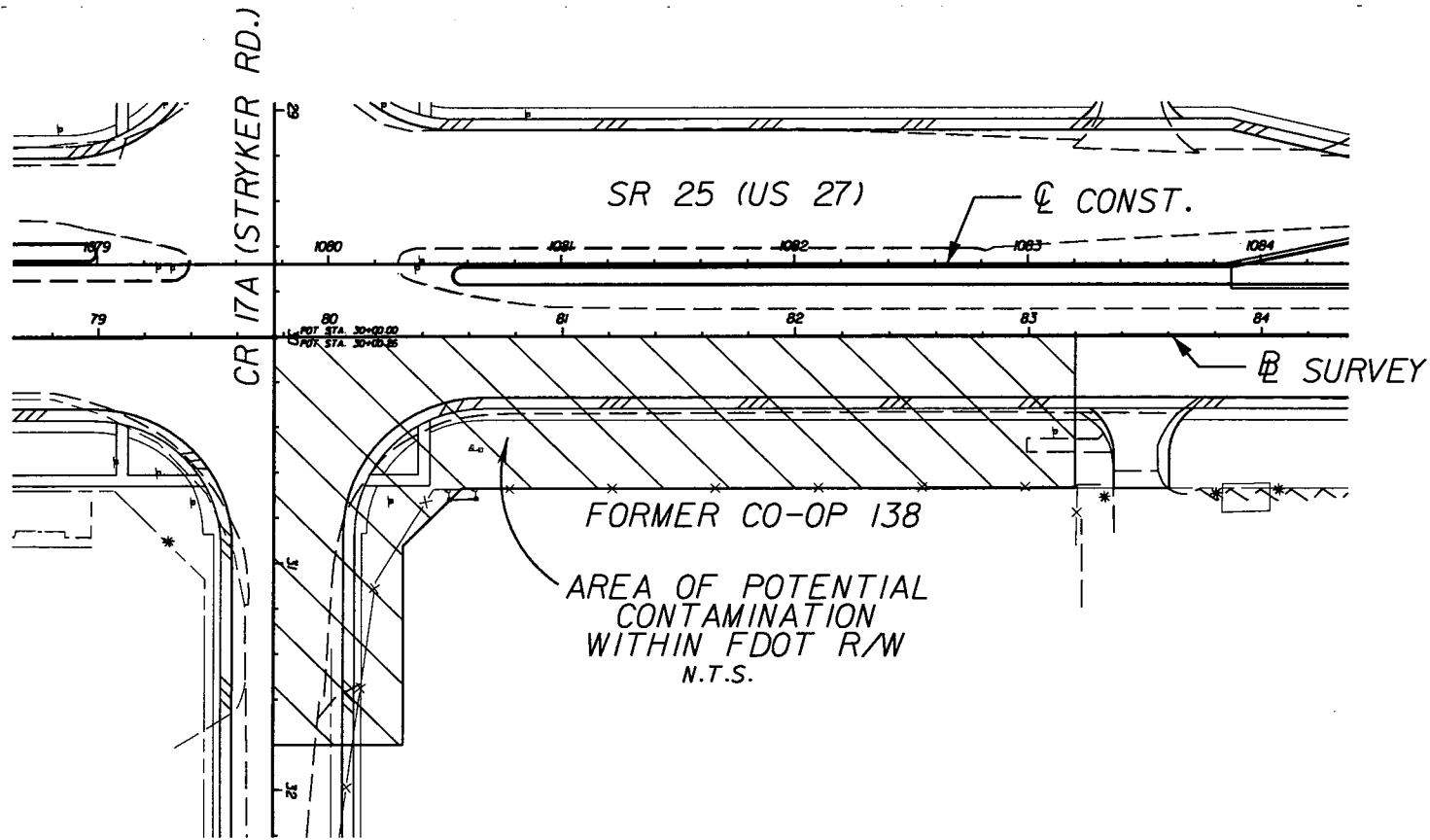
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**SPECIAL DETAILS**

SHEET NO.  
69



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADDED NB DIRECTIONAL MEDIAN OPENING.			

**URS**  
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

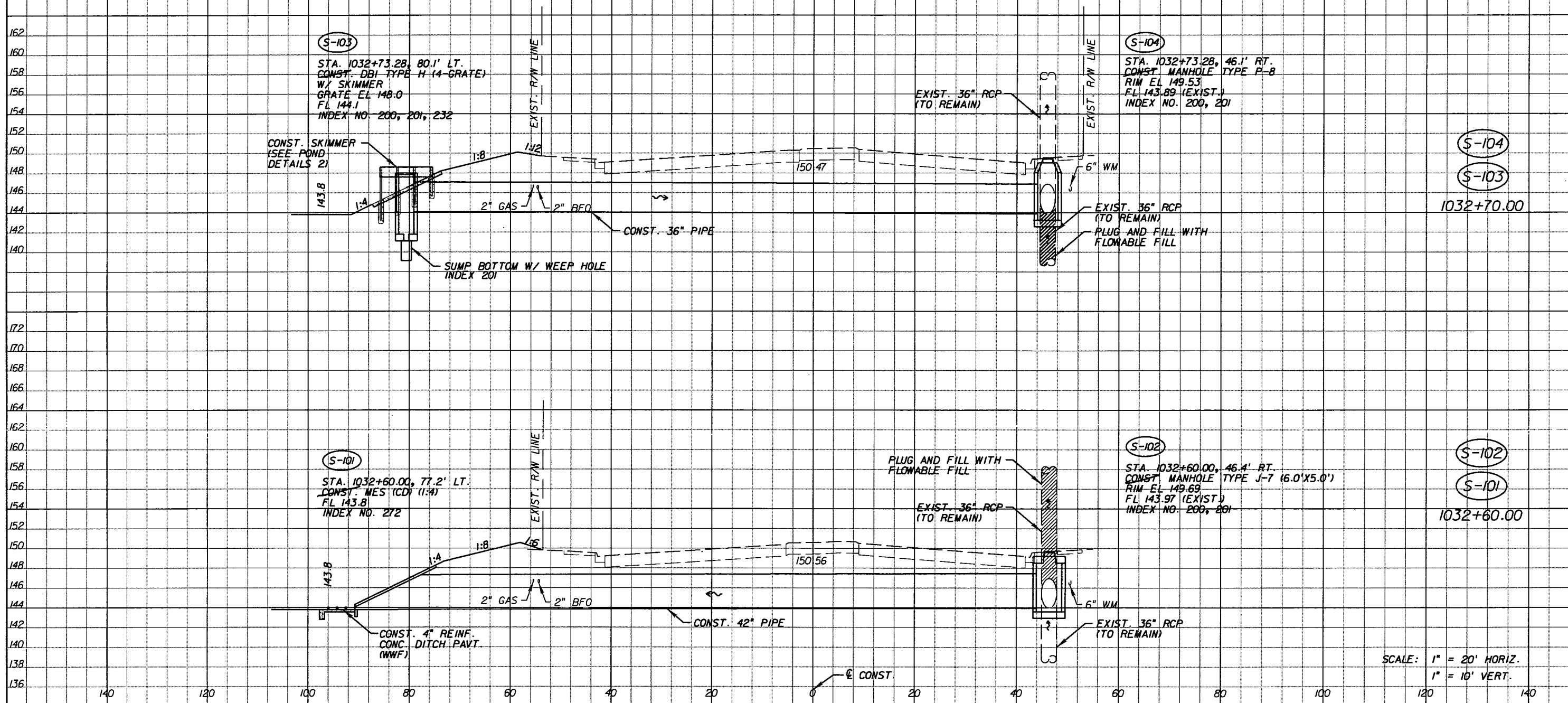
**POTENTIAL CONTAMINATION**

SHEET NO.  
70

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**NOTES**

1. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS.
2. ALL DRAINAGE STRUCTURES HAVE OPTIONAL MATERIALS. THE OPTIONAL MATERIALS TABULATION SHEET(S) SHOWS ALL MATERIALS ALLOWED AS WELL AS INDICATING WHICH MATERIAL IS PLOTTED ON THESE SHEETS AND USED AS THE BASIS FOR PAY QUANTITIES.
3. THE SIDE DRAIN MES'S ARE SHOWN AT THE END OF THE MES PIPE TO DEPICT THE DITCH BOTTOM. THE STATIONS NOTED ARE AT THE LOCATION REFERENCE INDICATED IN THE DESIGN STANDARDS.
4. ALL CURB INLETS EXCEPT FOR TYPE 7 HAVE A LOCATION OF REFERENCE AT THE EDGE OF PAVEMENT.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

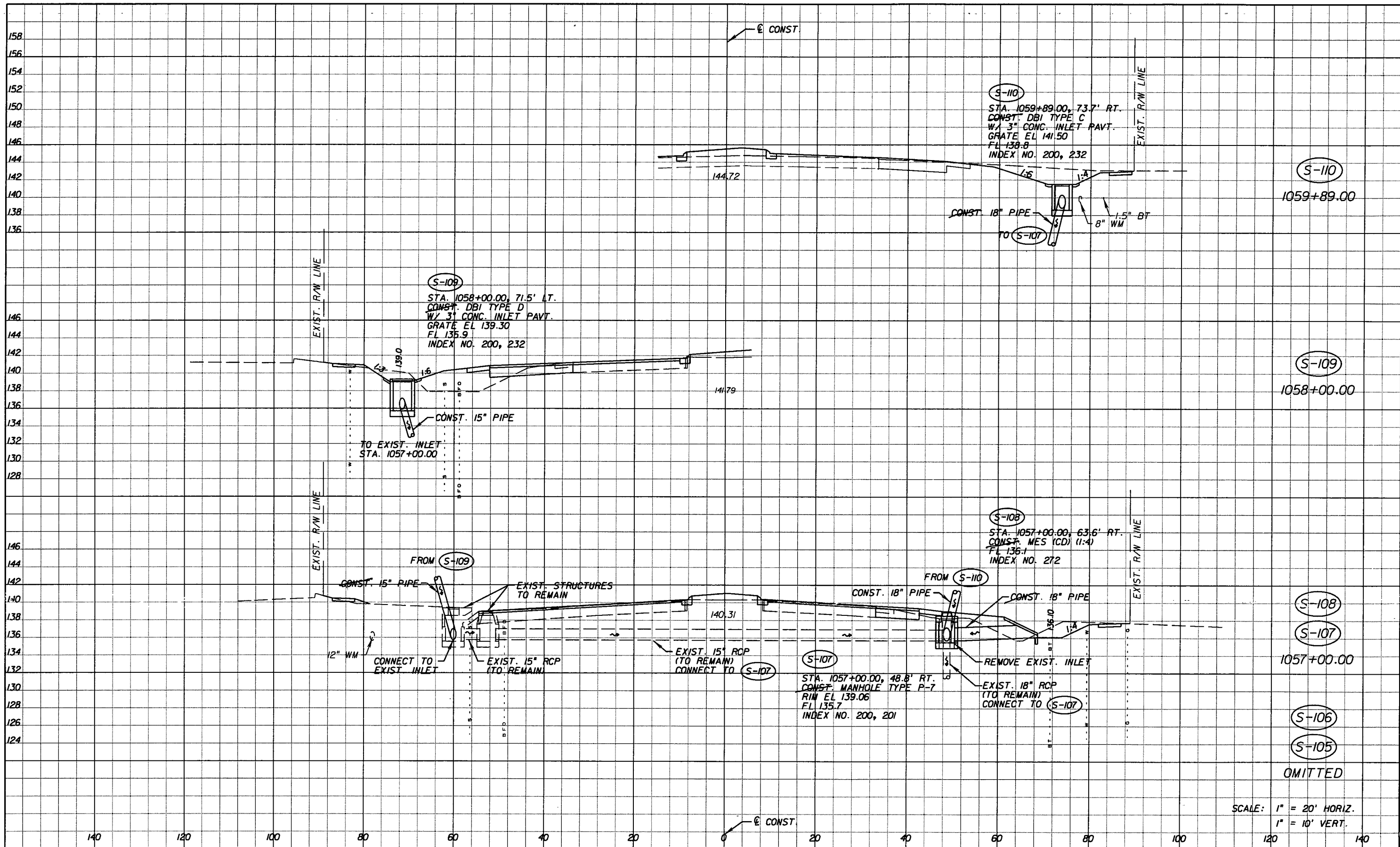
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (1)</b>		SHEET NO. 71
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

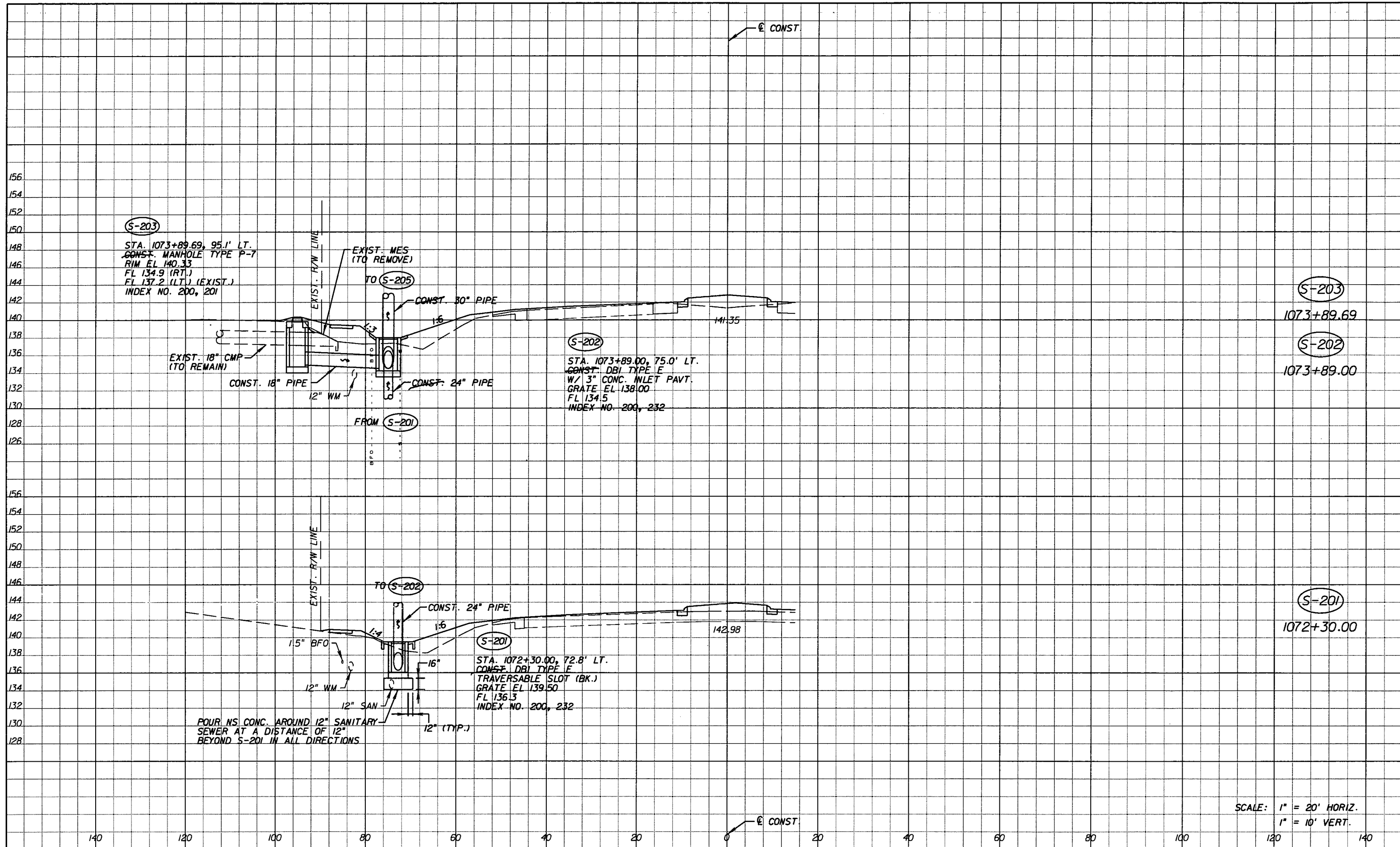
*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (2)**

SHEET NO.  
72

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SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

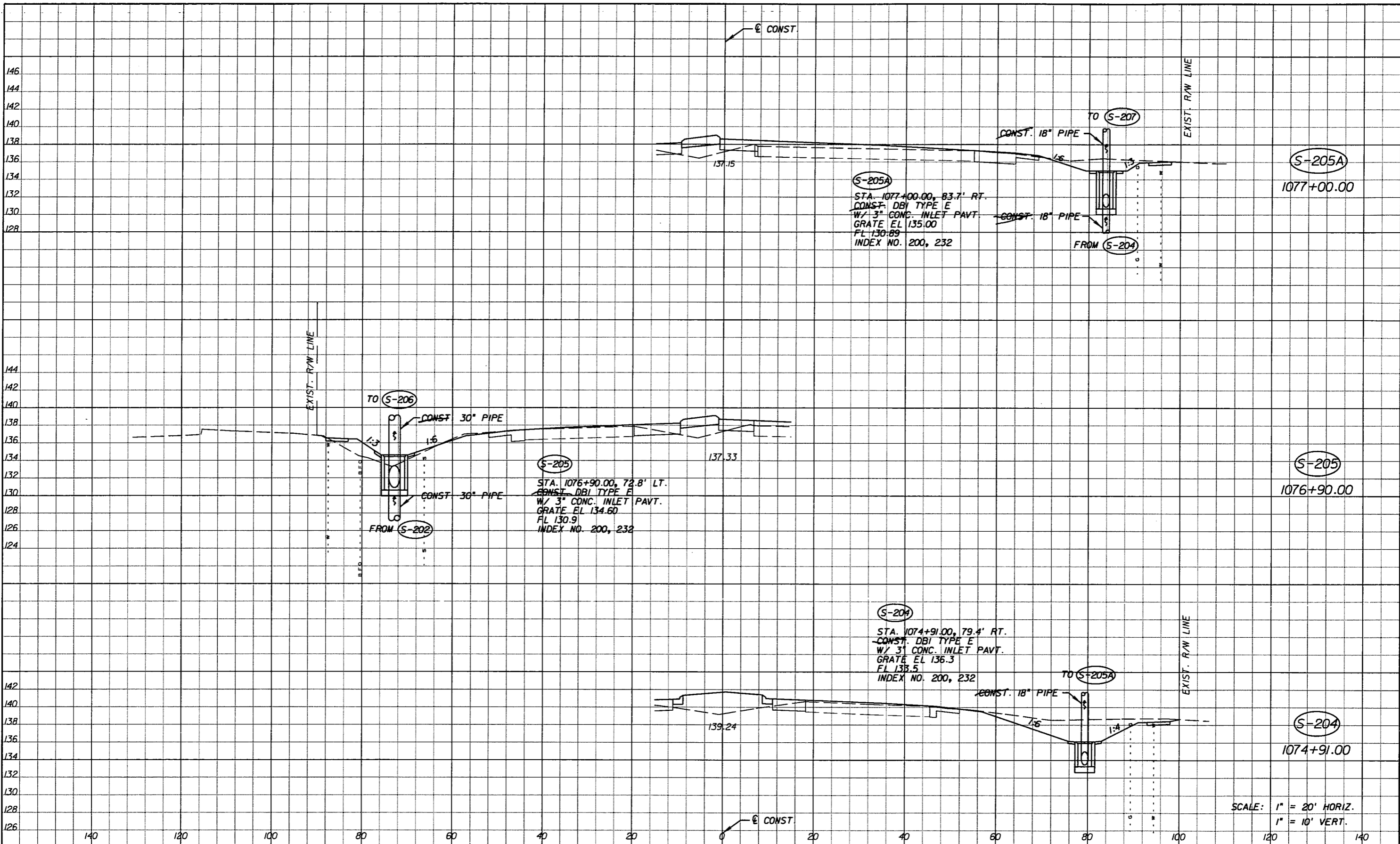
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1701  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (3)</b>		SHEET NO. 73
--------------------------------	--	-----------------

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	REVISD ENTIRE SHEET DUE TO MEDIAN CHANGES			

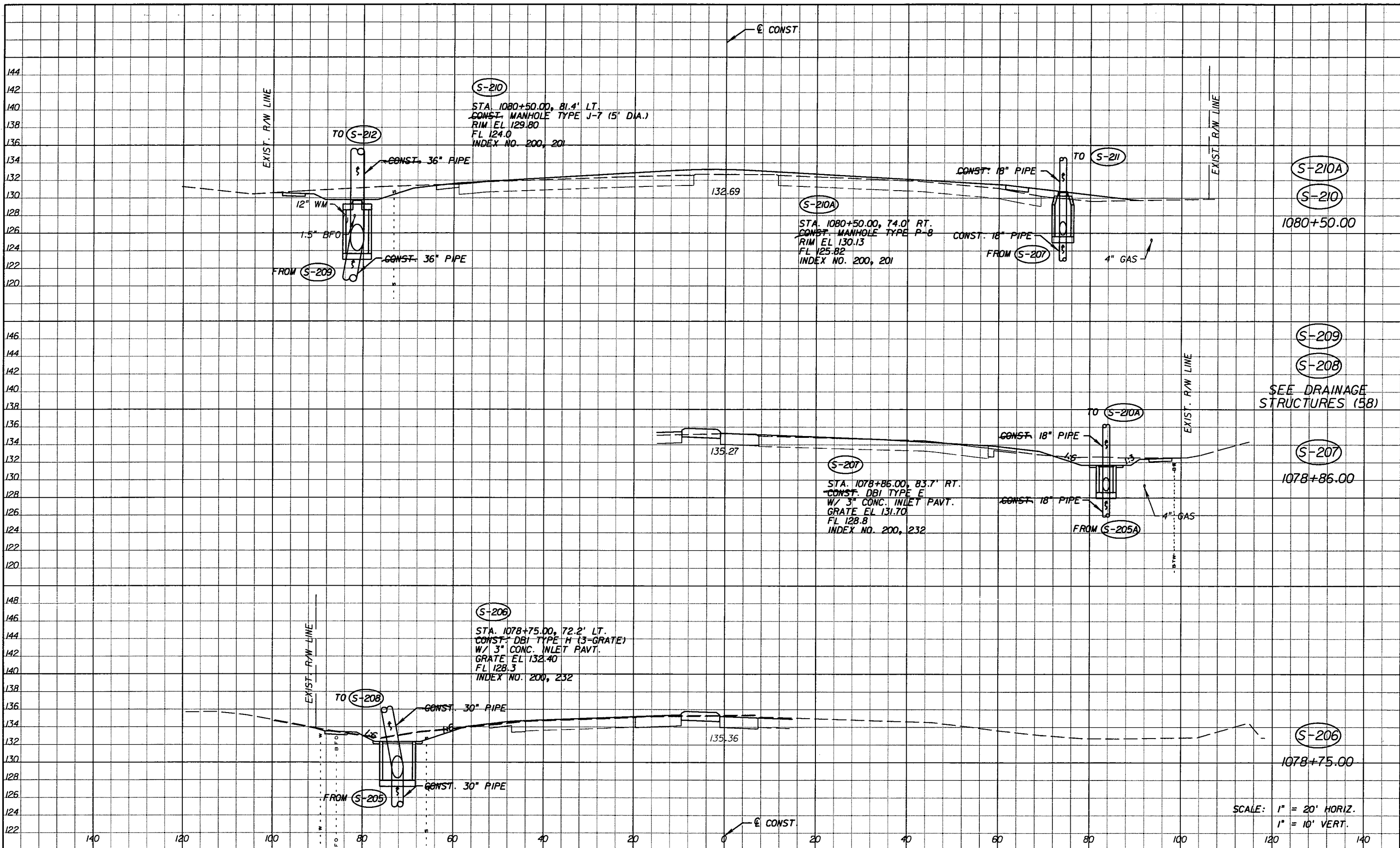
Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (4)**

SHEET NO.  
74

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DATE		BY	DESCRIPTION	REVISIONS	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	REVISD ENTIRE SHEET DUE TO MEDIAN CHANGES			

*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

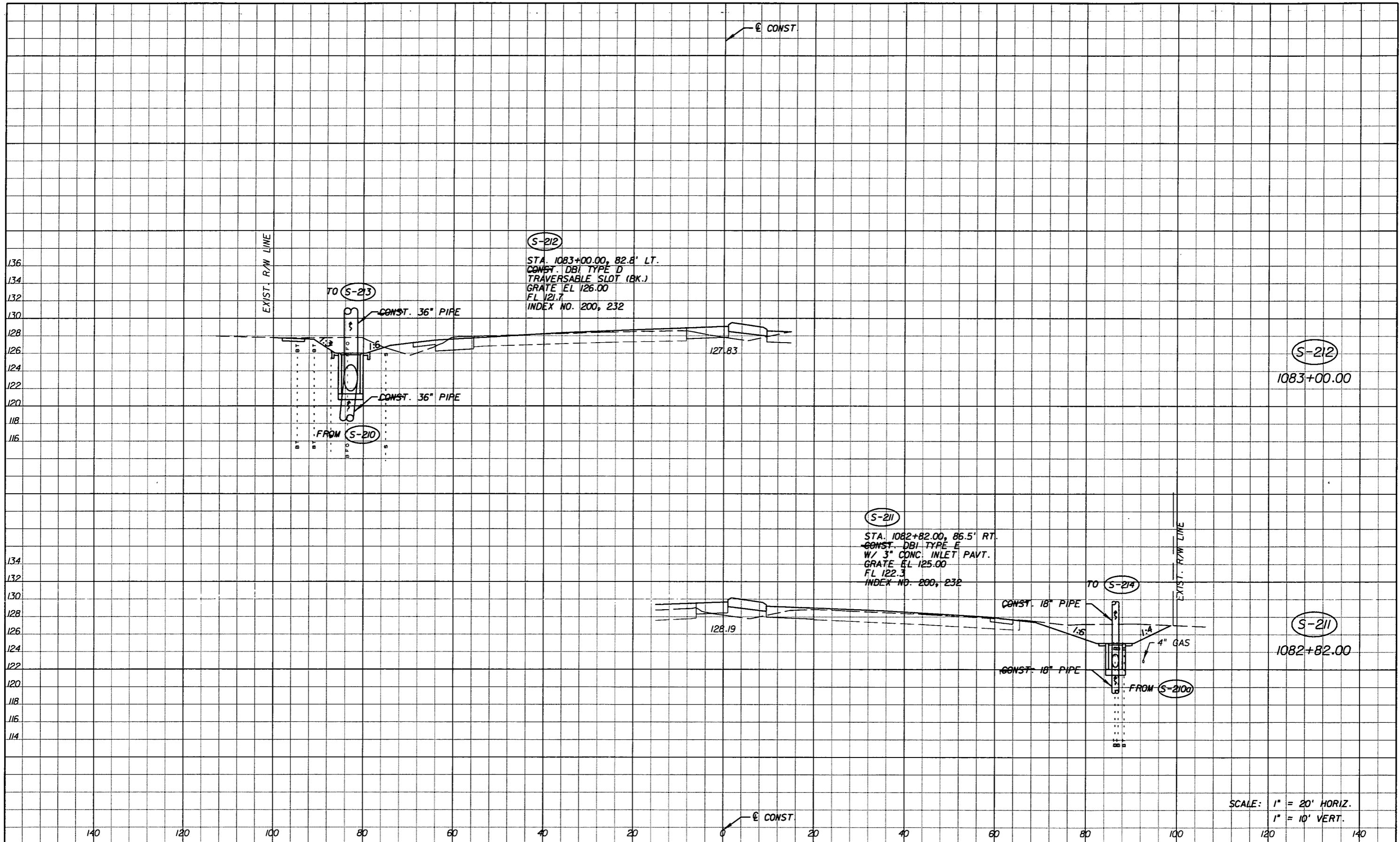
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (5)**

SHEET NO. 75

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(S-212)  
 STA. 1083+00.00, 82.8' LT.  
 CONST. DBI TYPE D  
 TRAVERSABLE SLOT (BK.)  
 GRATE EL 126.00  
 FL 121.7  
 INDEX NO. 200, 232

(S-211)  
 STA. 1082+82.00, 86.5' RT.  
 CONST. DBI TYPE E  
 W/ 3" CONC. INLET PAVT.  
 GRATE EL 125.00  
 FL 122.3  
 INDEX NO. 200, 232

(S-212)  
 1083+00.00

(S-211)  
 1082+82.00

SCALE: 1" = 20' HORIZ.  
 1" = 10' VERT.

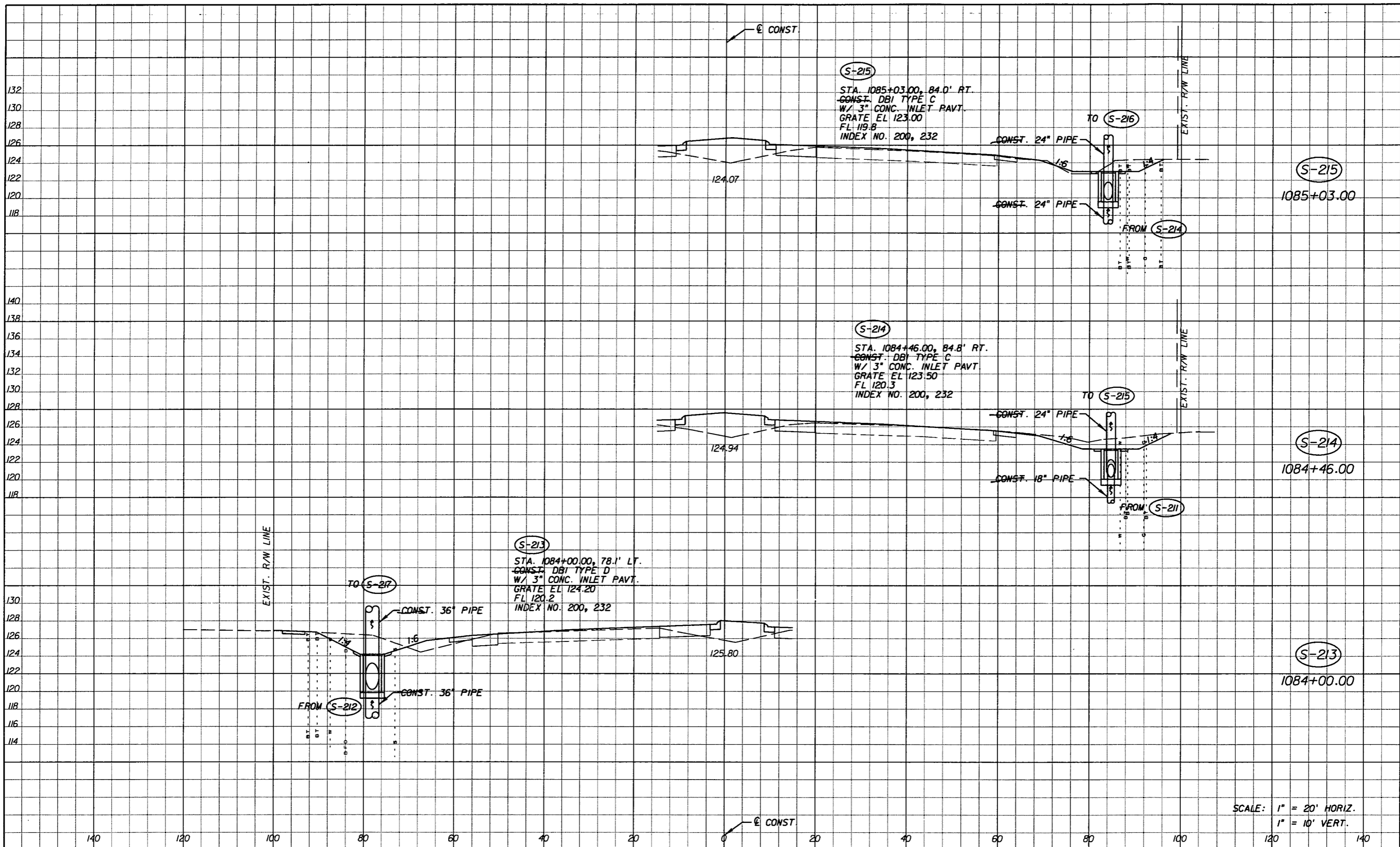
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	REVISD ENTIRE SHEET DUE TO MEDIAN CHANGES			

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (6)</b>		SHEET NO. 76
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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
 1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	REVISD ENTIRE SHEET DUE TO MEDIAN CHANGES			

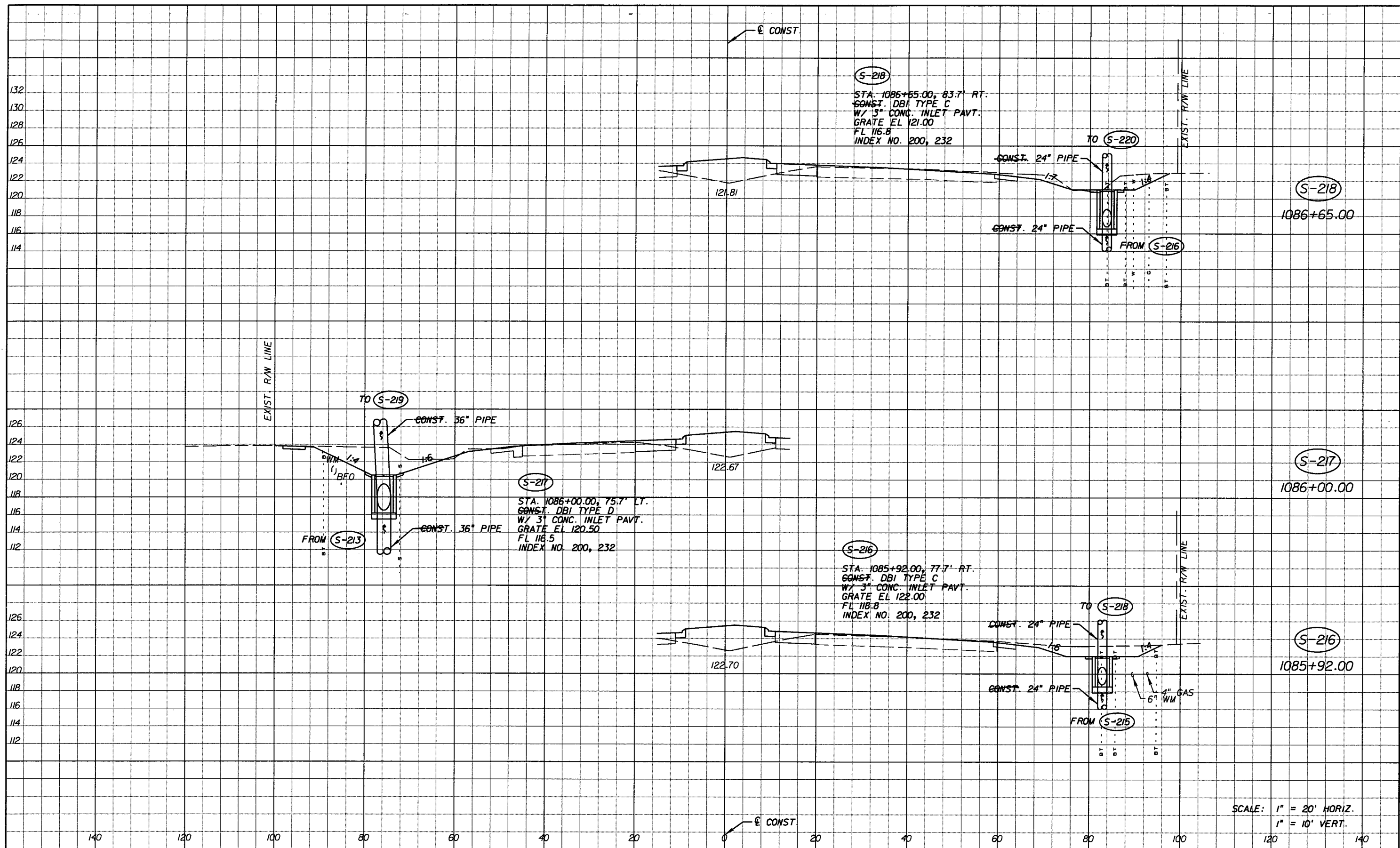
Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (7)**

SHEET NO. 77

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



S-218  
 STA. 1086+65.00, 83.7' RT.  
 CONST. DBI TYPE C  
 W/ 3" CONC. INLET PAVT.  
 GRATE EL 121.00  
 FL 116.8  
 INDEX NO. 200, 232

S-217  
 STA. 1086+00.00, 75.7' LT.  
 CONST. DBI TYPE D  
 W/ 3" CONC. INLET PAVT.  
 GRATE EL 120.50  
 FL 116.5  
 INDEX NO. 200, 232

S-216  
 STA. 1085+92.00, 77.7' RT.  
 CONST. DBI TYPE C  
 W/ 3" CONC. INLET PAVT.  
 GRATE EL 122.00  
 FL 118.8  
 INDEX NO. 200, 232

SCALE: 1" = 20' HORIZ.  
 1" = 10' VERT.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 68G5-23.003, F.A.C.

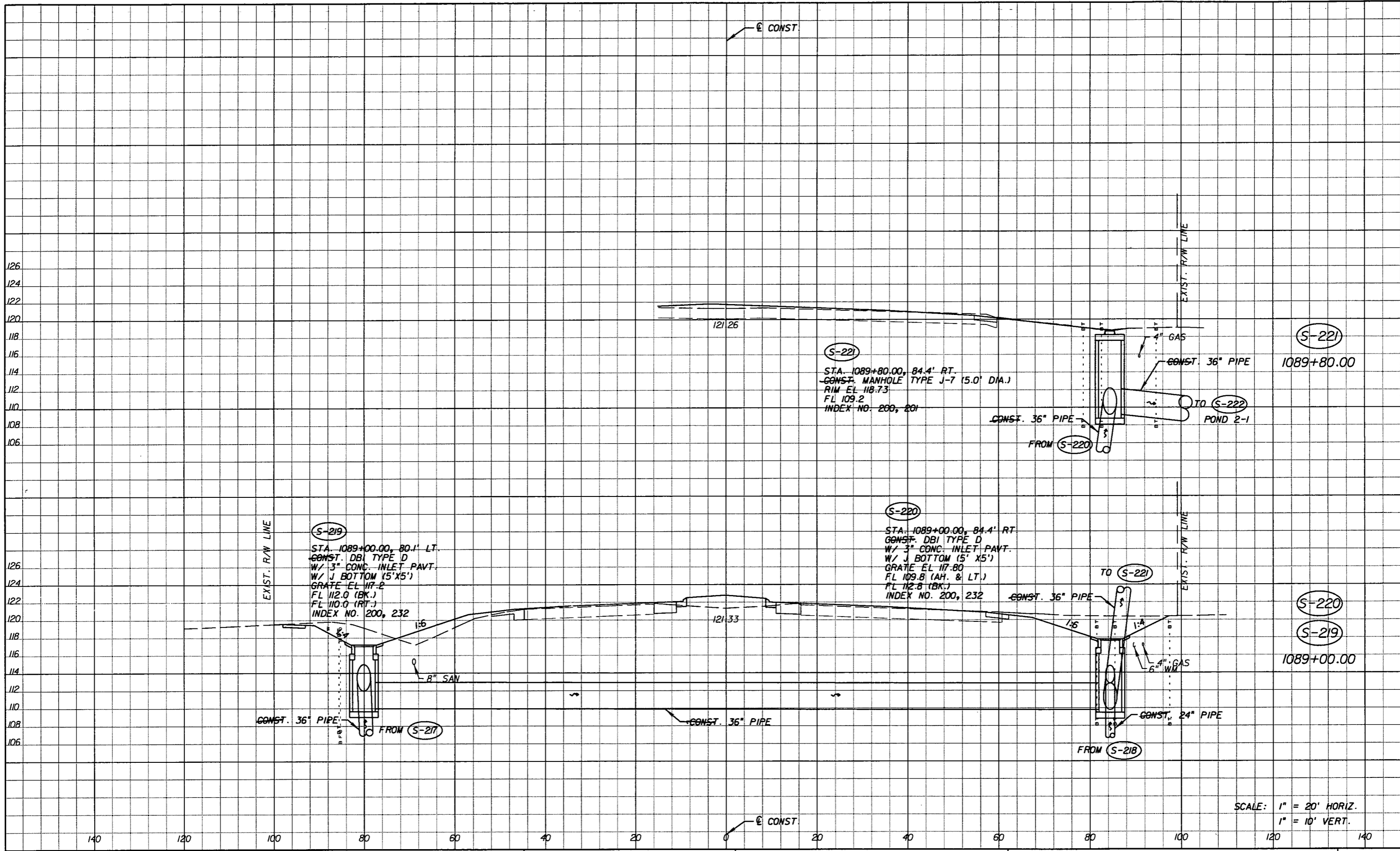
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	REVISD ENTIRE SHEET DUE TO MEDIAN CHANGES			

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (8)**

SHEET NO.  
78



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

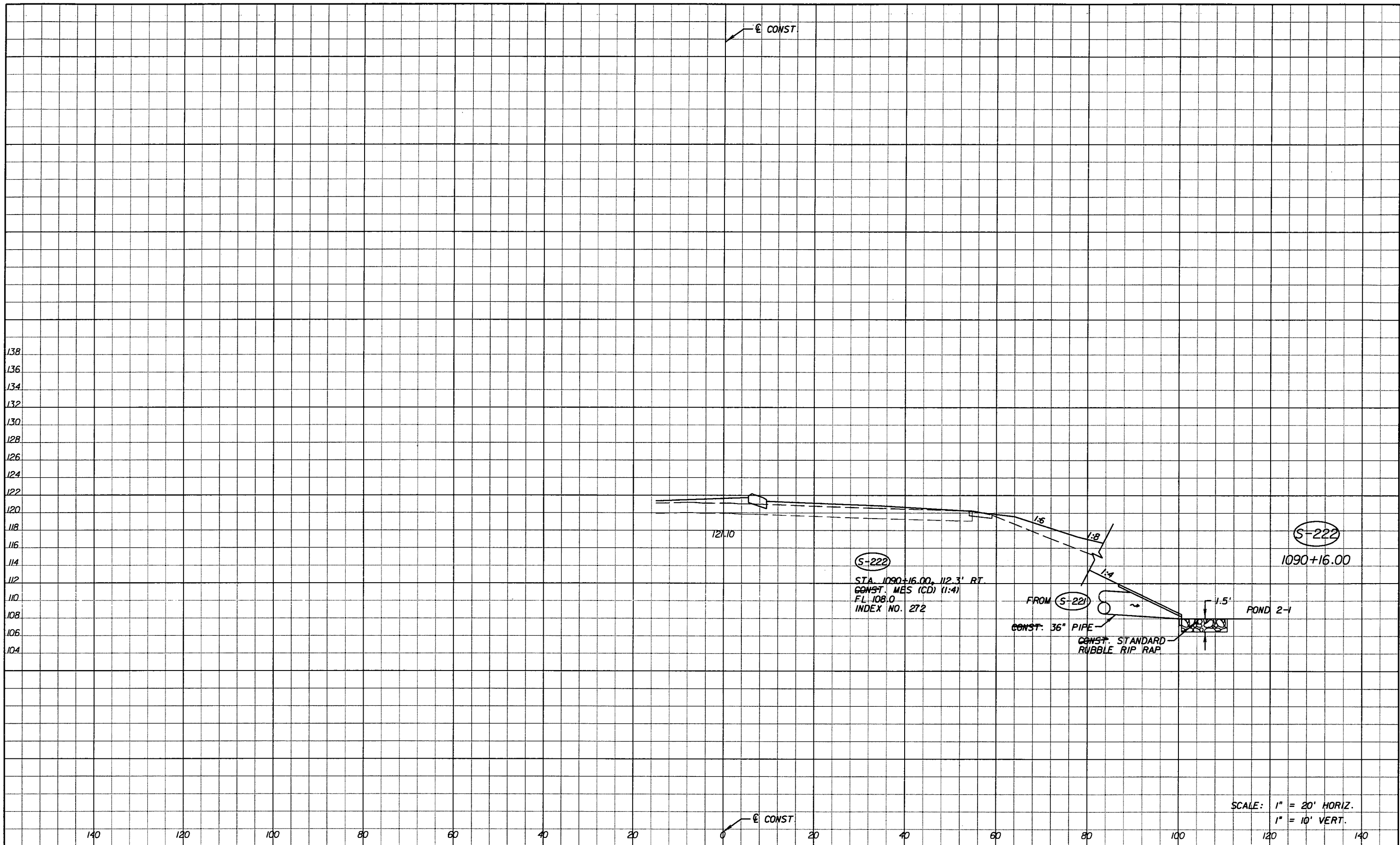
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

**DRAINAGE STRUCTURES (9)**

SHEET NO.  
79

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

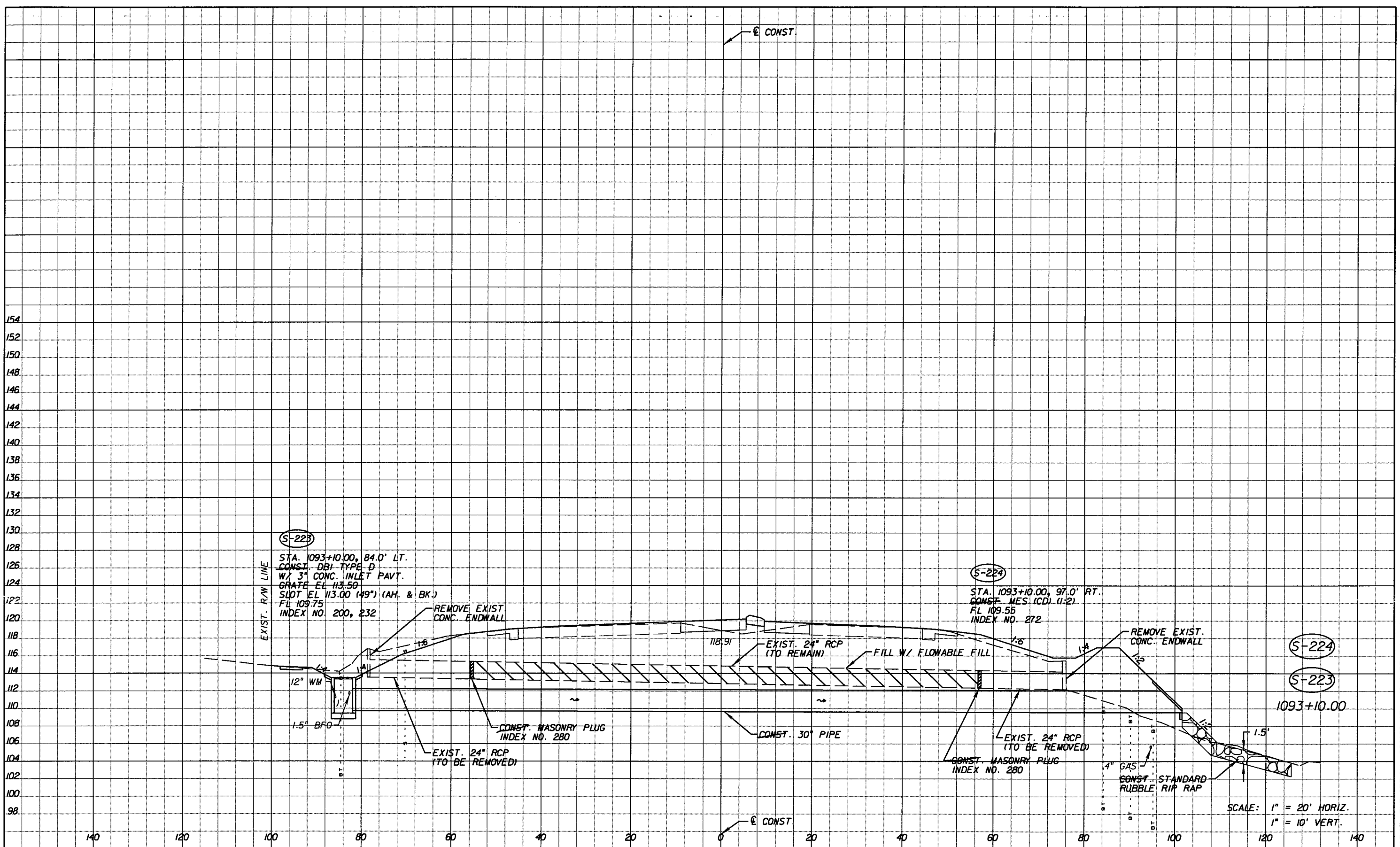
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (10)**

SHEET NO. 80

SCALE: 1" = 20' HORIZ.  
 1" = 10' VERT.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



(S-223)  
 STA. 1093+10.00, 84.0' LT.  
 CONST. DBI-TYPE D  
 W/ 3" CONC. INLET PAVT.  
 GRATE EL 113.50  
 SLOT EL 113.00 (49") (AH. & BK.)  
 FL 109.75  
 INDEX NO. 200, 232

(S-224)  
 STA. 1093+10.00, 97.0' RT.  
 CONST. MES (CD) (1:2)  
 FL 109.55  
 INDEX NO. 272

(S-224)  
 (S-223)  
 1093+10.00

SCALE: 1" = 20' HORIZ.  
 1" = 10' VERT.

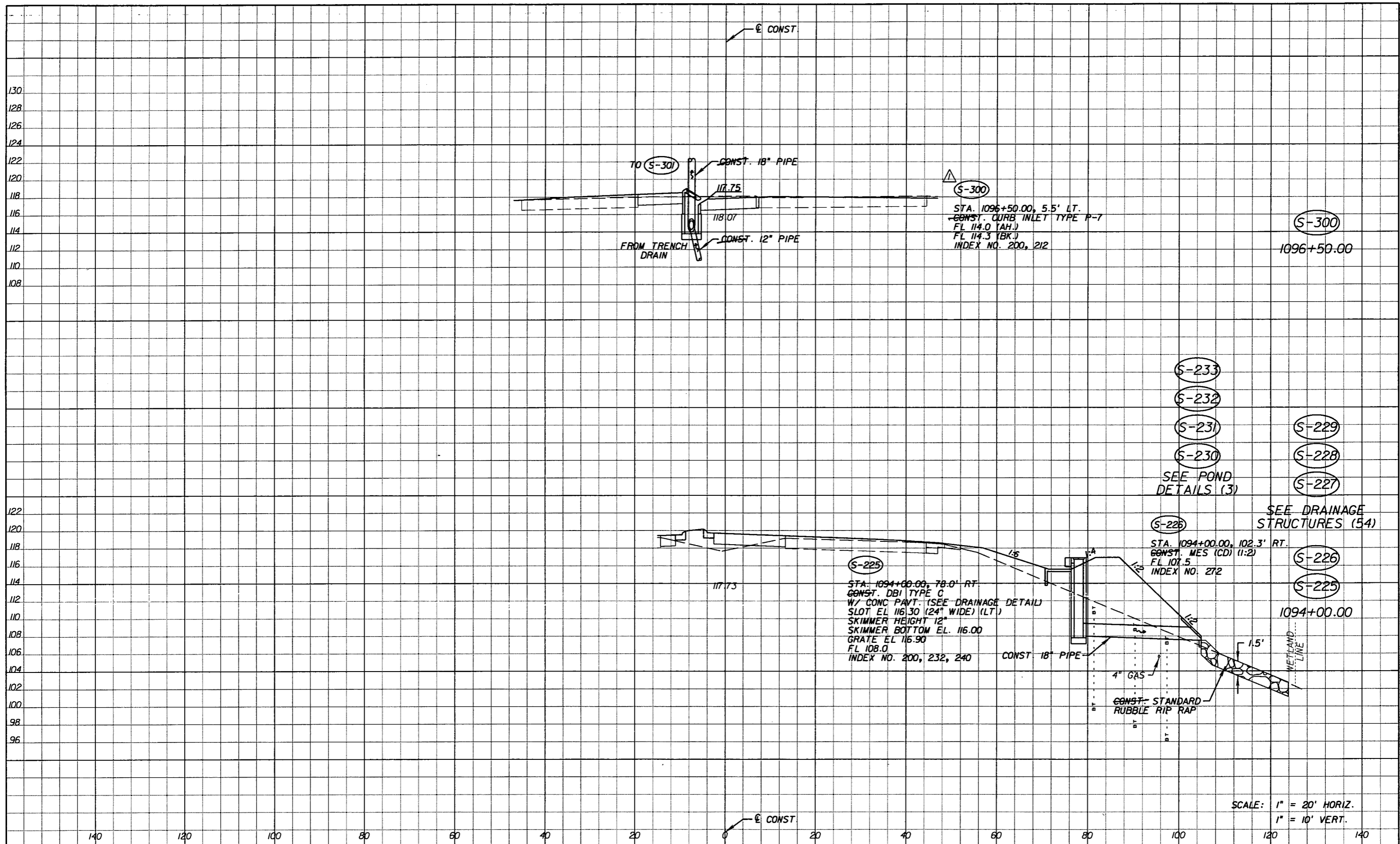
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1701  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (II)</b>	SHEET NO.  81
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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



- (S-233)
- (S-232)
- (S-231)
- (S-230)
- SEE POND DETAILS (3)
- (S-229)
- (S-228)
- (S-227)

- SEE DRAINAGE STRUCTURES (54)
- (S-226)
- (S-225)

SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

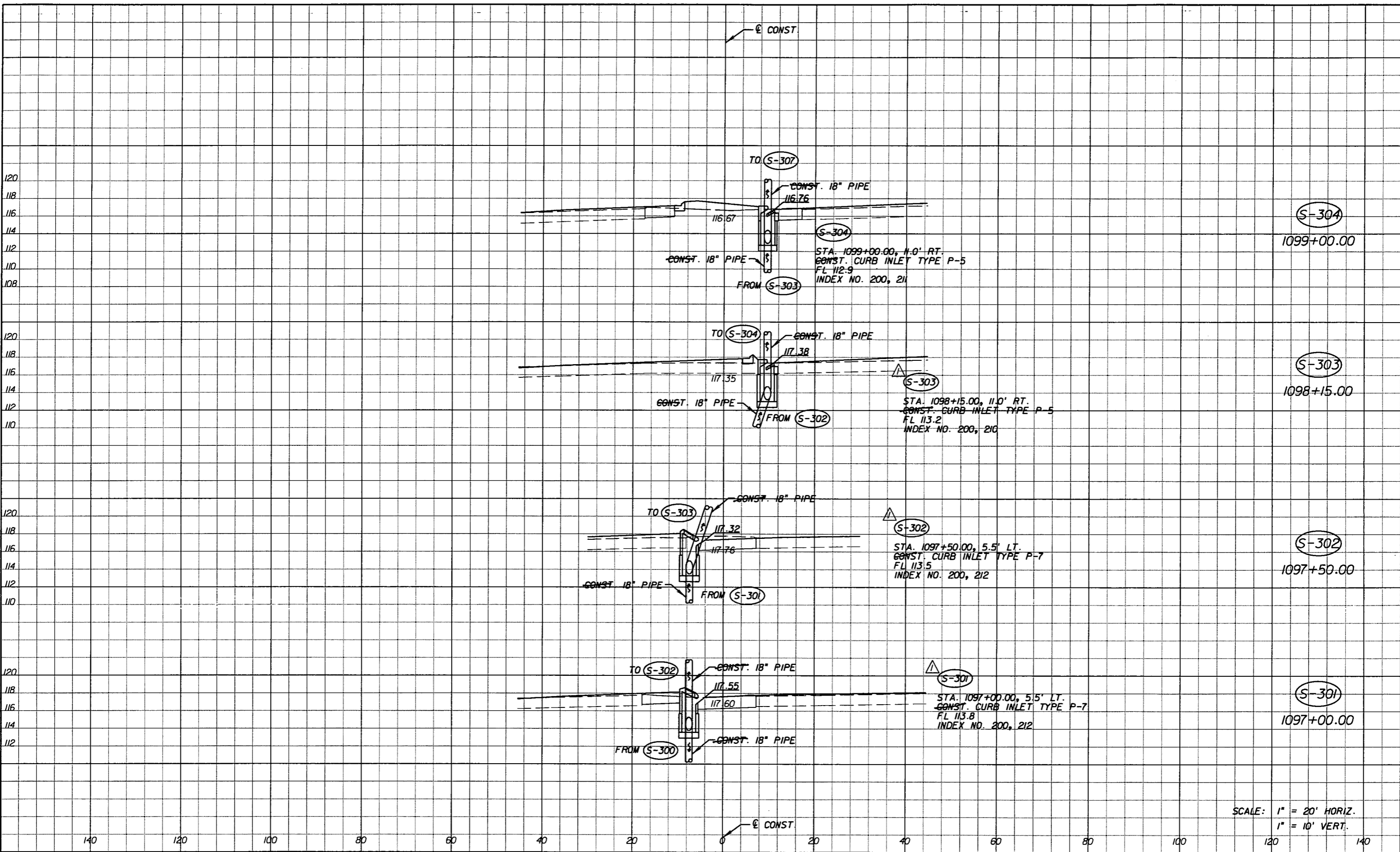
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.			

*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (12)</b>	SHEET NO. 82
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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.			

*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5854  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

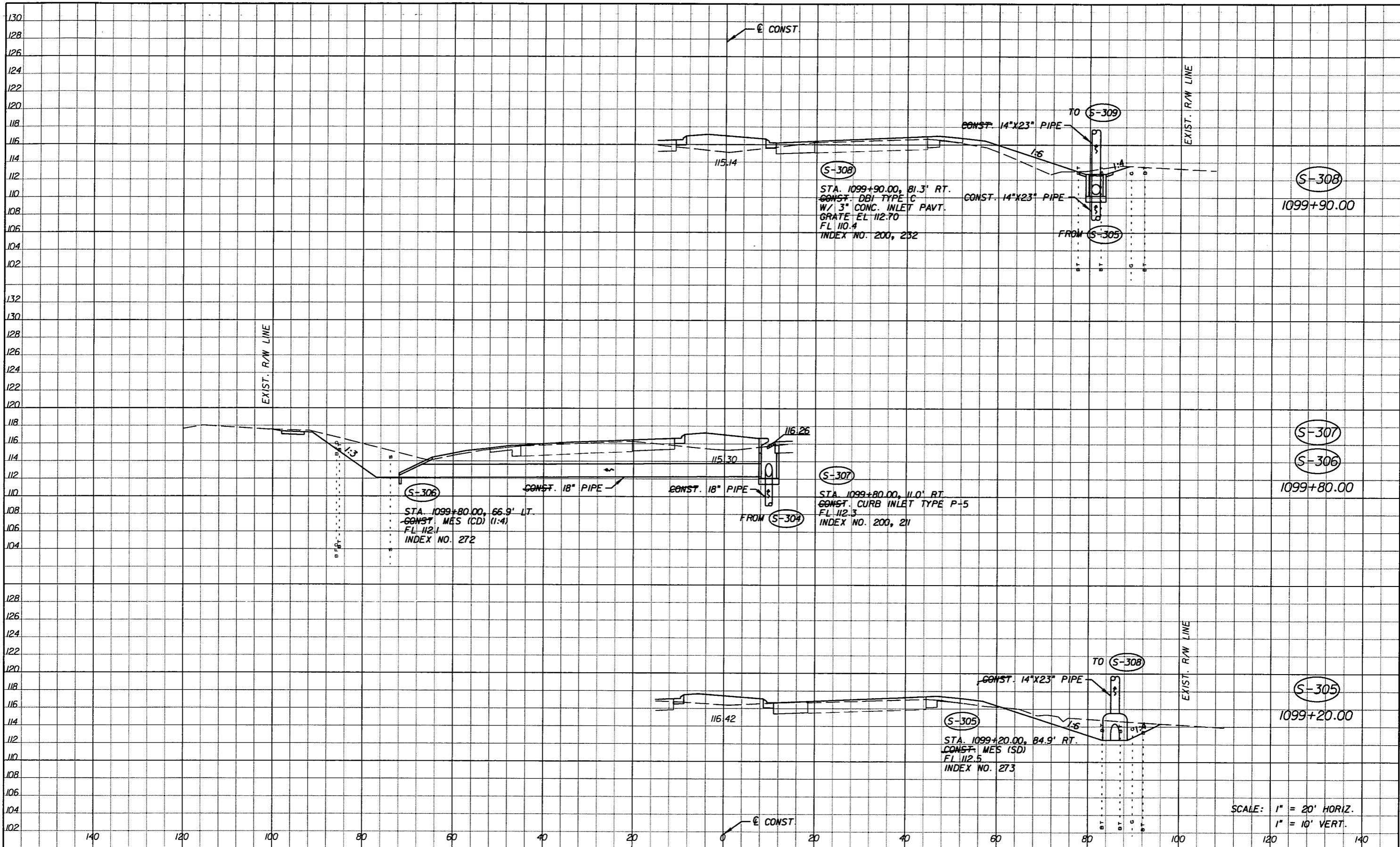
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (13)**

SHEET NO.  
83

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.





REVISIONS			
DATE	BY	DESCRIPTION	
5-11-11	DK	REVISD ENTIRE SHEET DUE TO MEDIAN CHANGES	

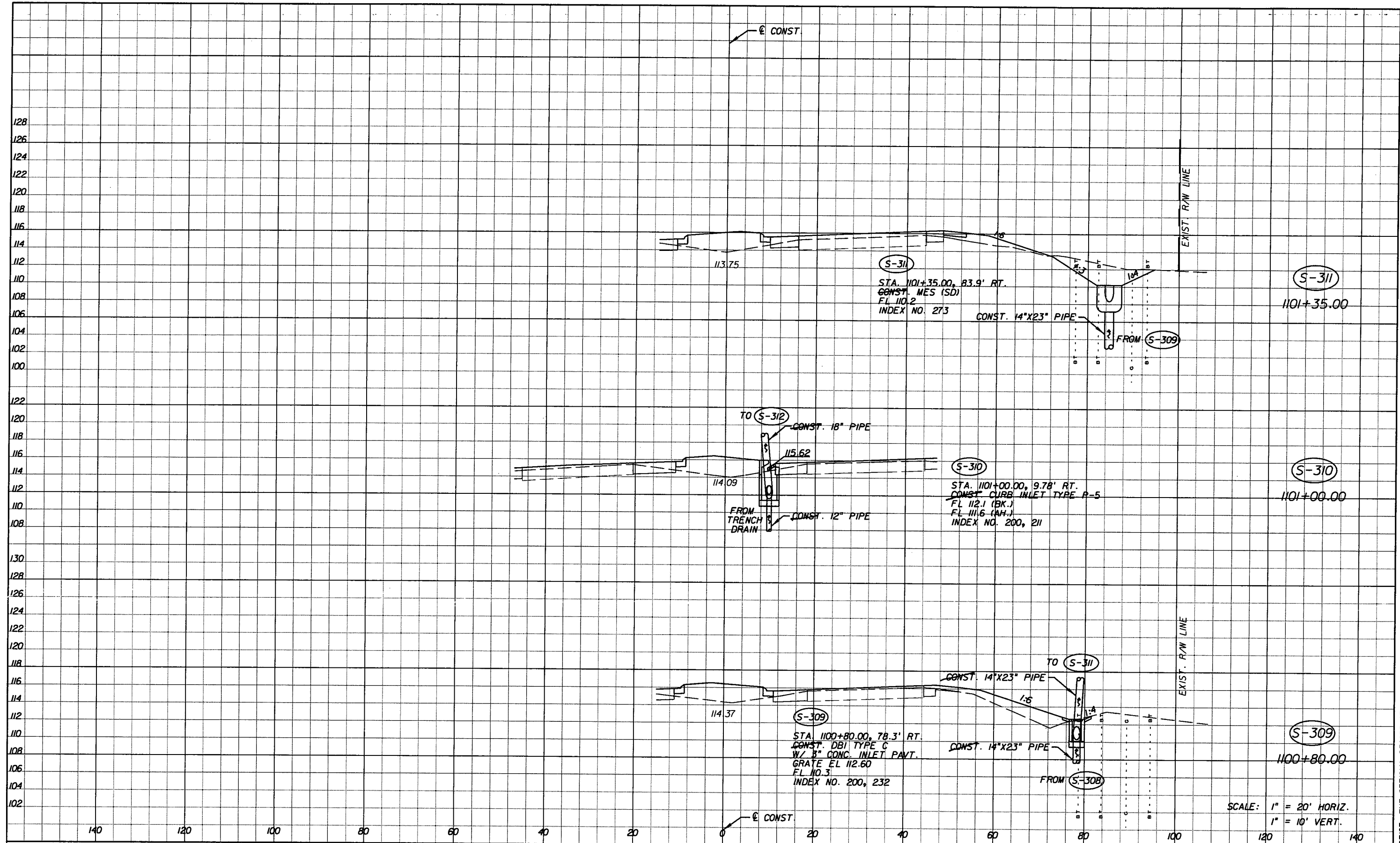
*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

SHEET NO.  
84

**DRAINAGE STRUCTURES (14)**

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

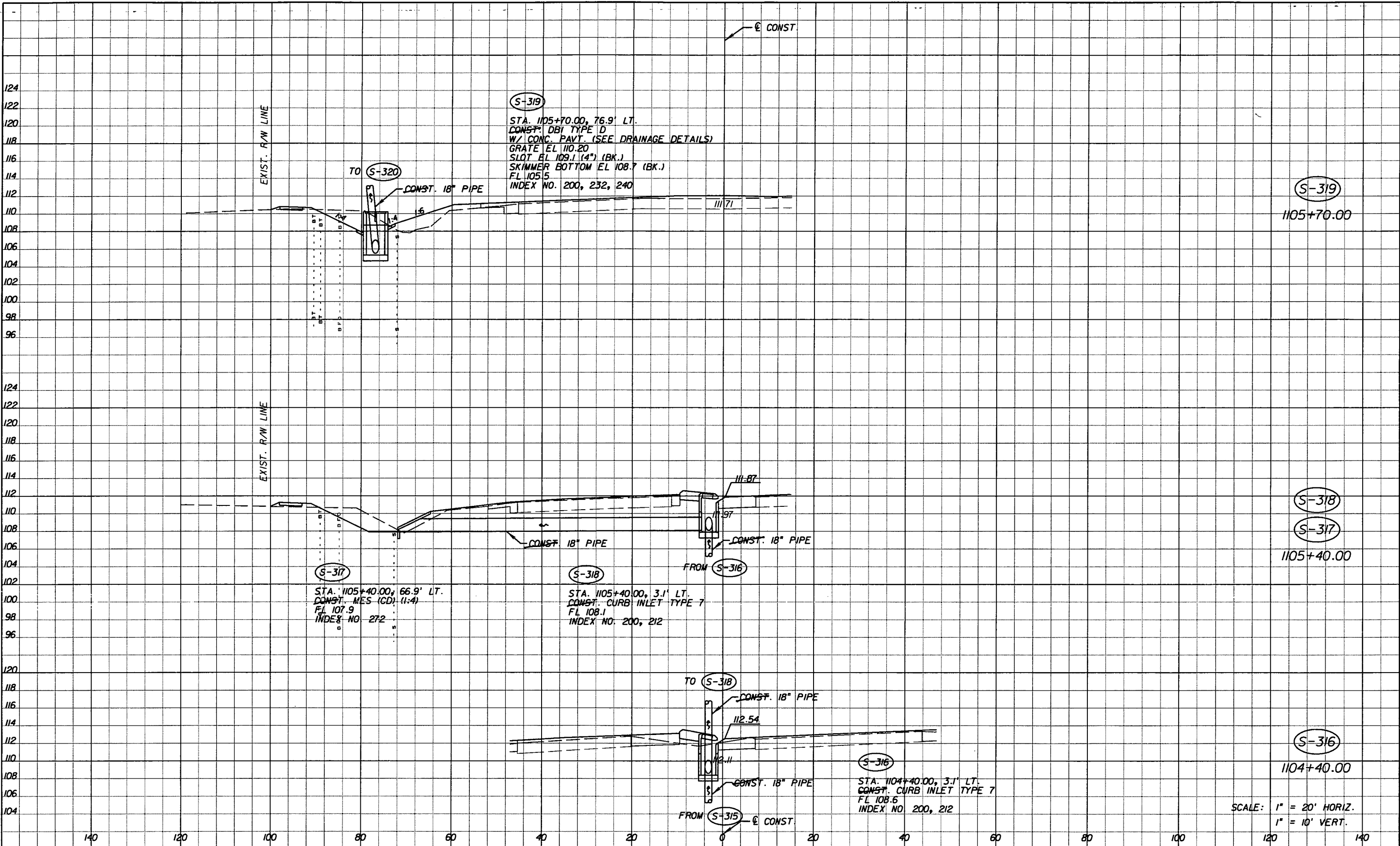
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (15)**

SHEET NO. 85

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.





SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

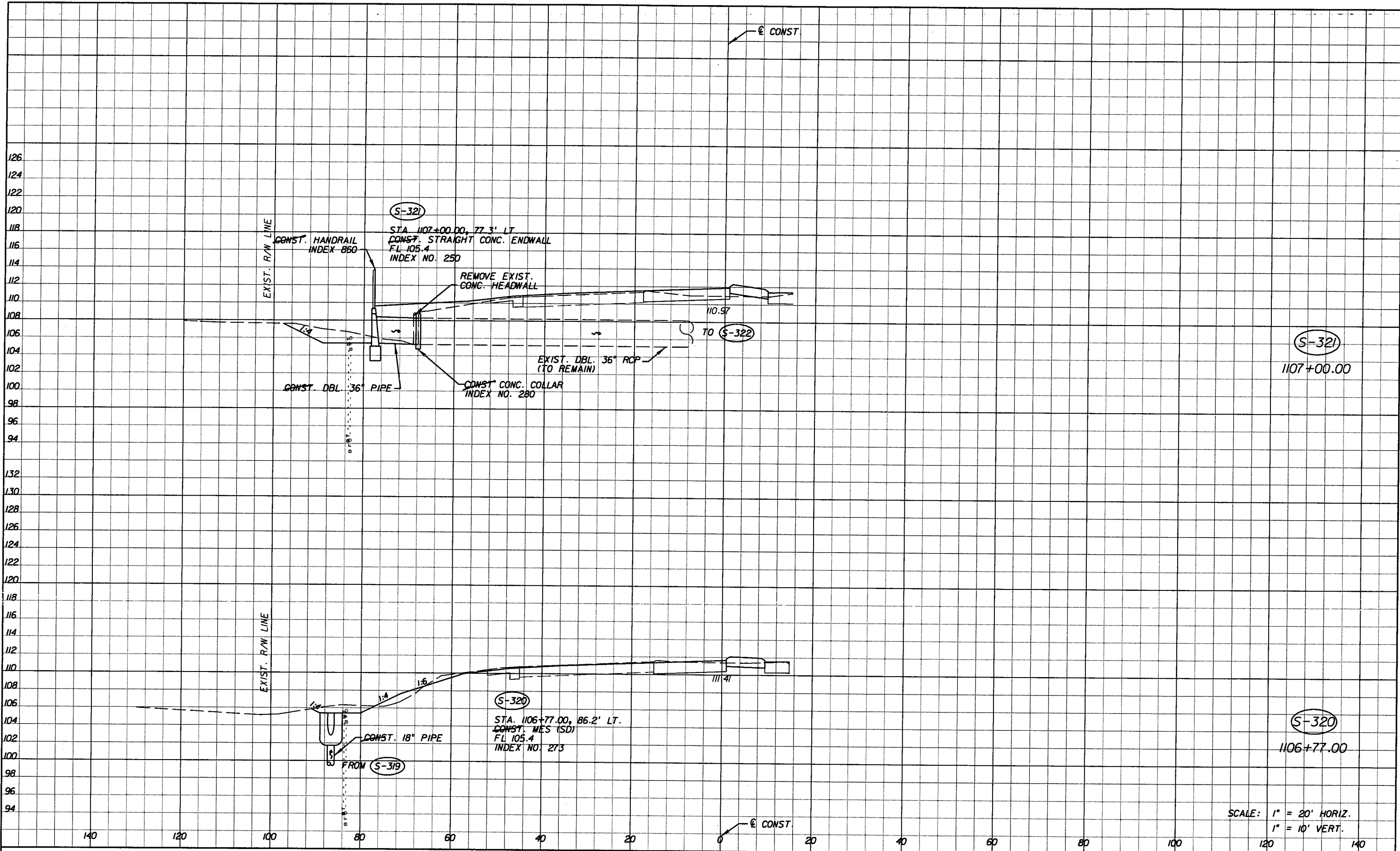
Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (17)**

SHEET NO. 87

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

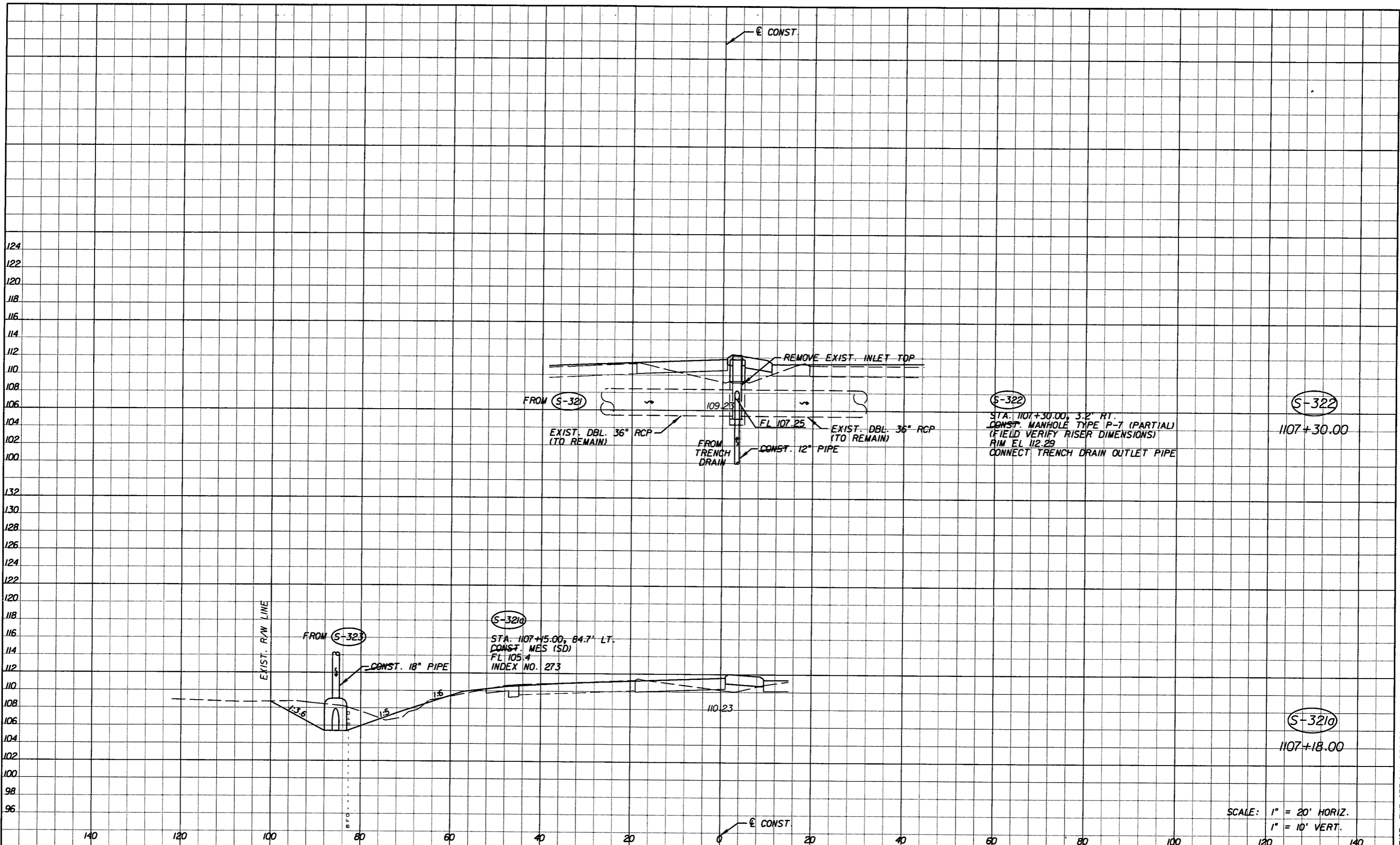
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (18)</b>	
SHEET NO.	88

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

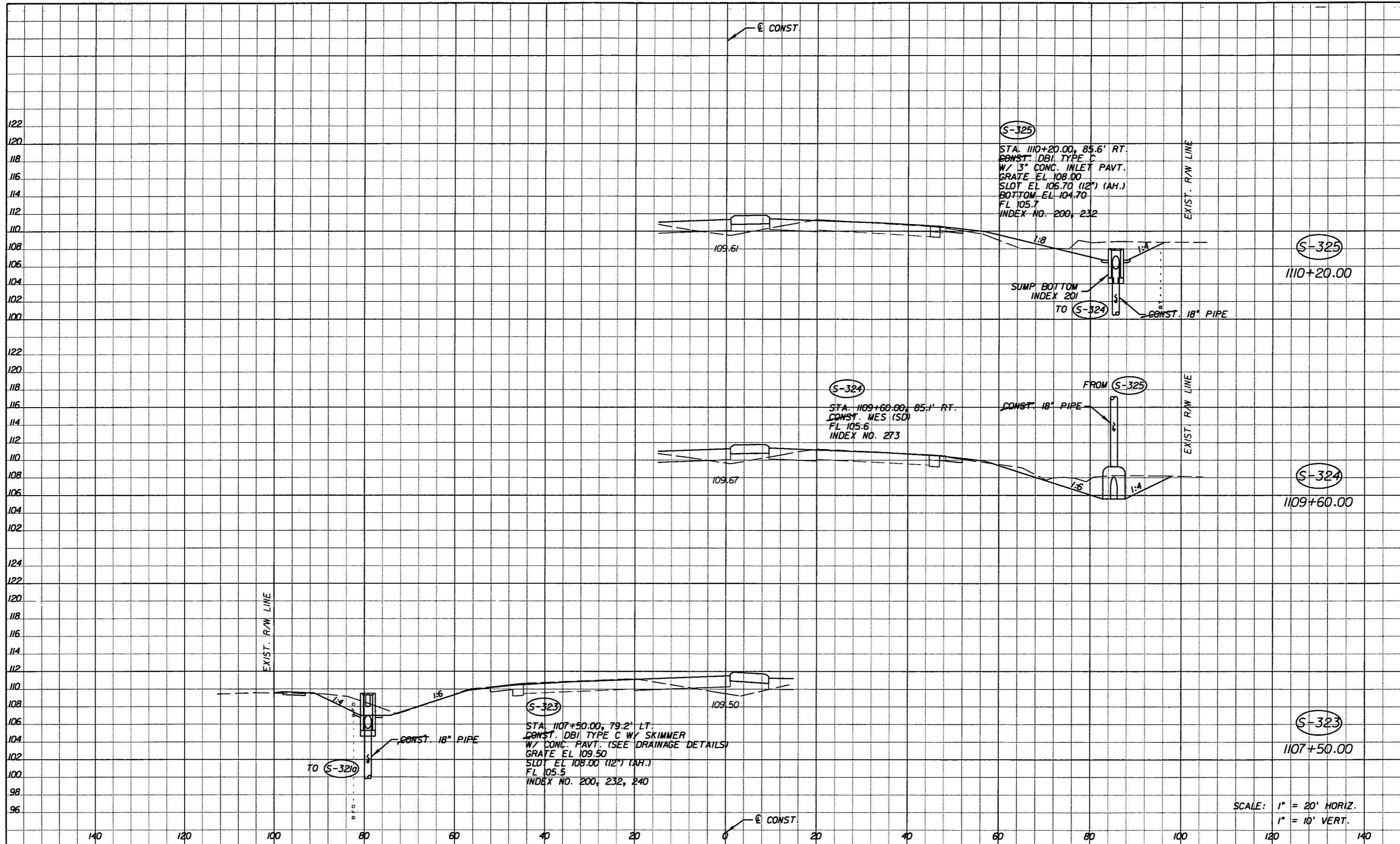
*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (19)**

SHEET NO.  
89

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 605-23.003, F.A.C.



122  
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140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

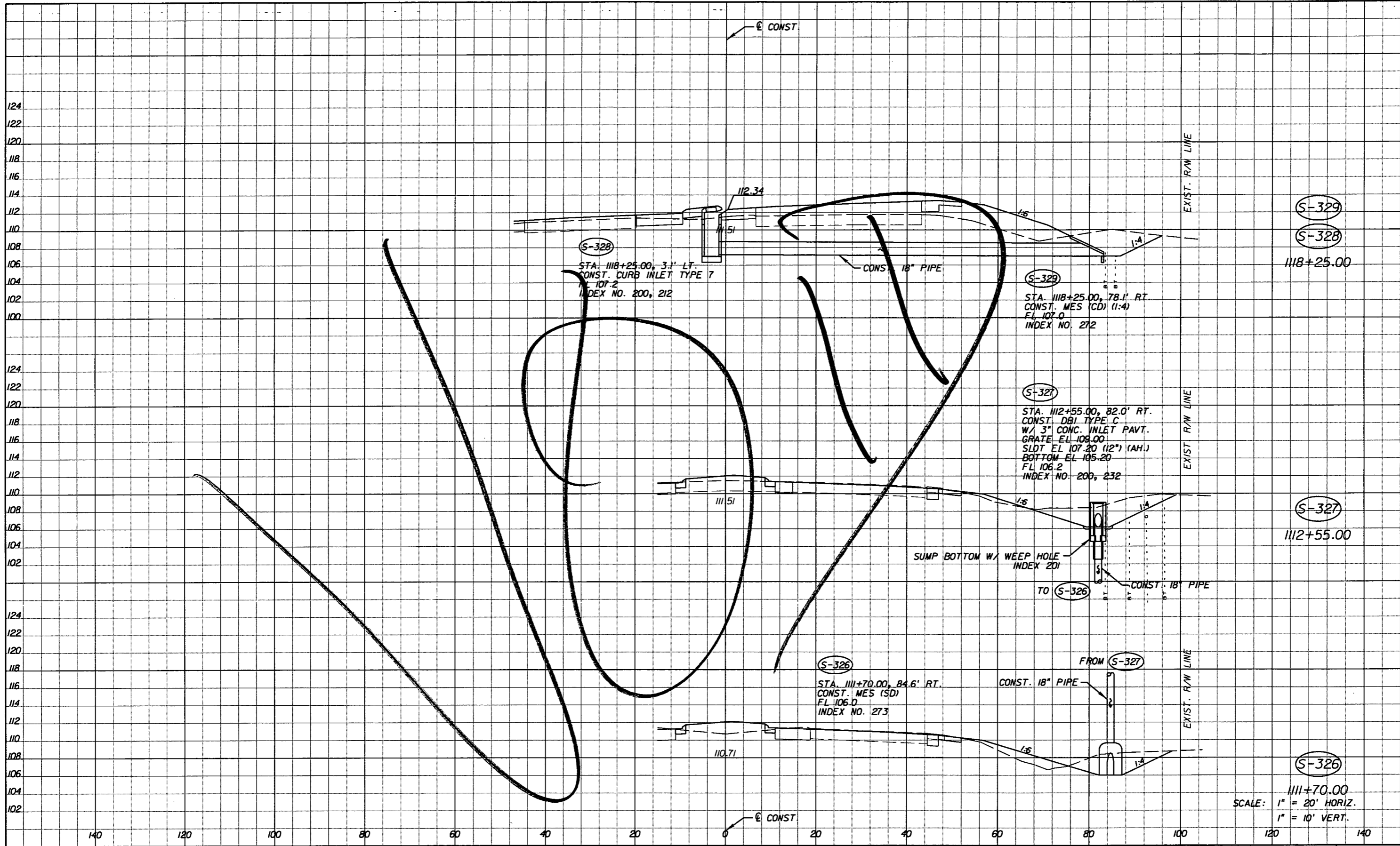
*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1107  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (20)**

SHEET NO.  
90

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

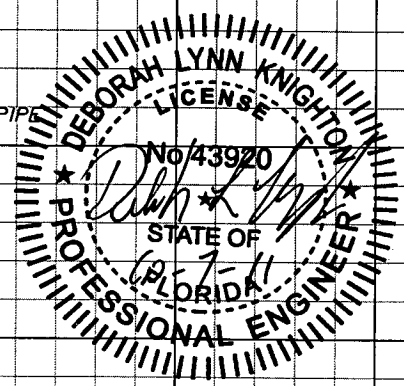
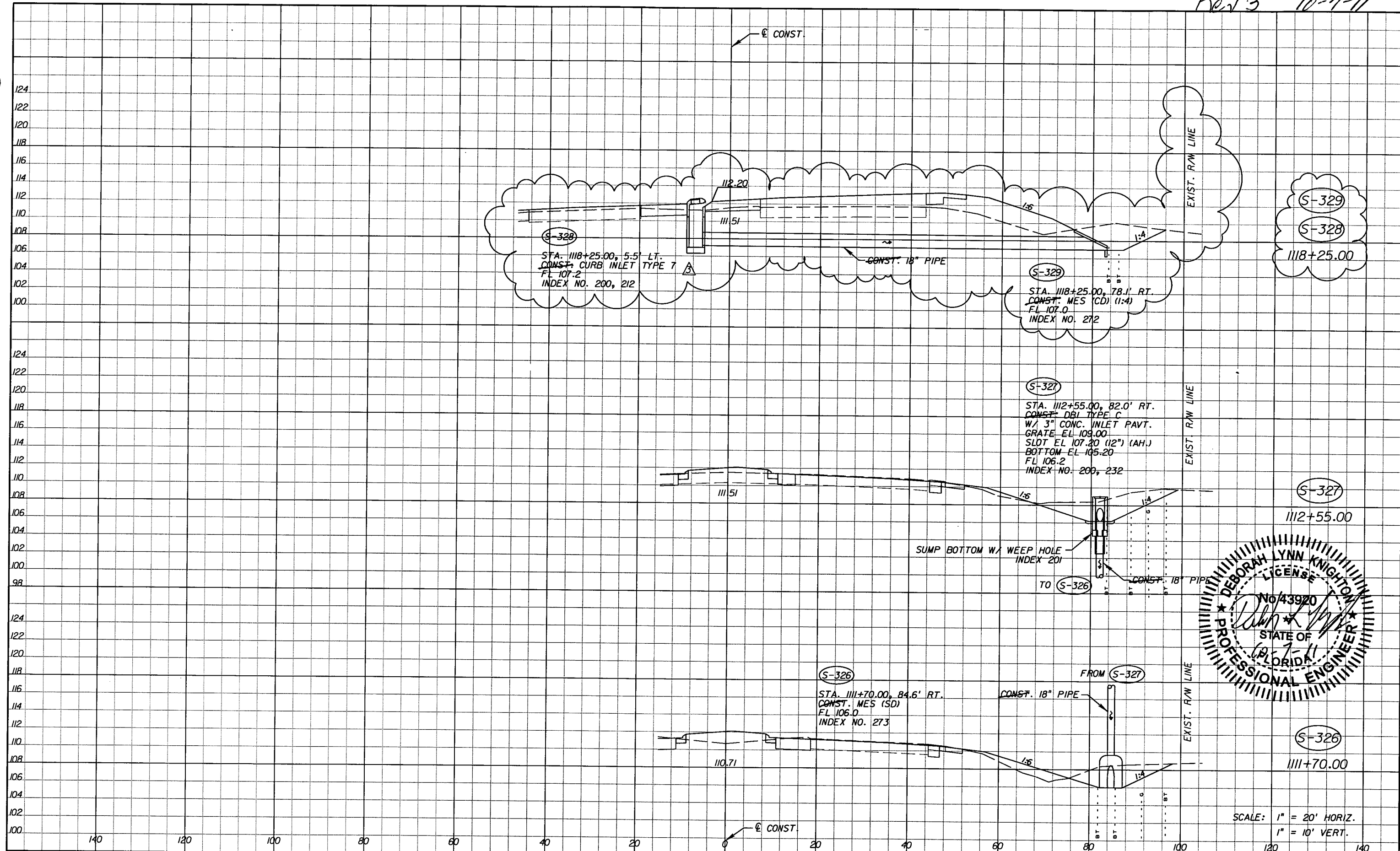
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (21)**

SHEET NO.  
91



Rev 3 10-7-11



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

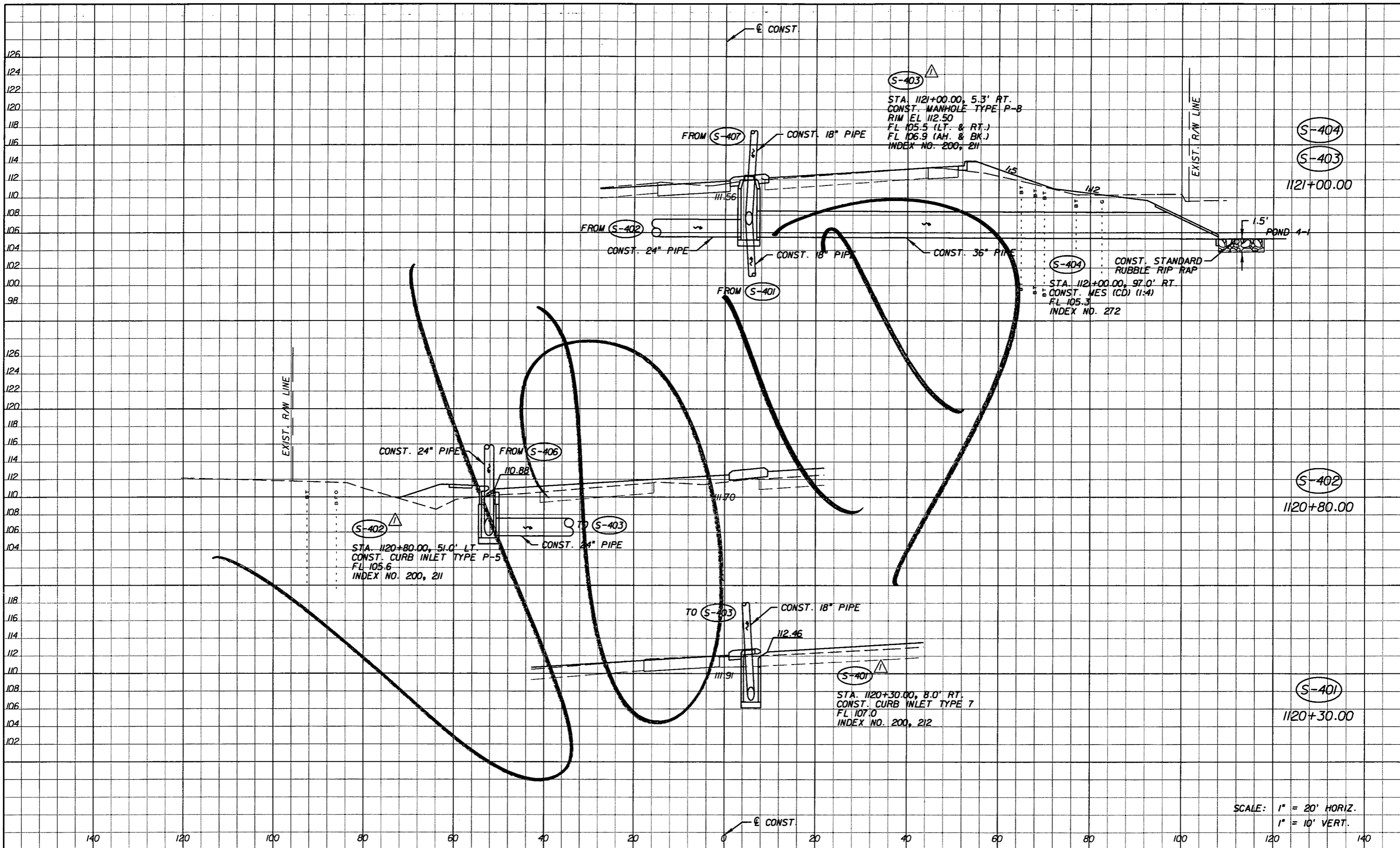
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
10-7-11	DK	DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.			

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (21)</b>	SHEET NO. 91
---------------------------------	-----------------

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.			

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

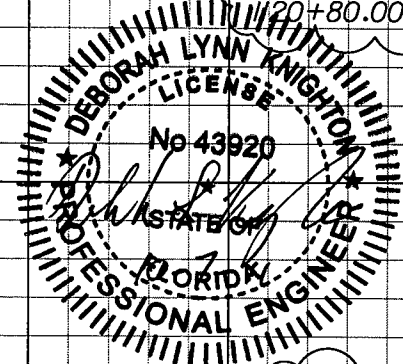
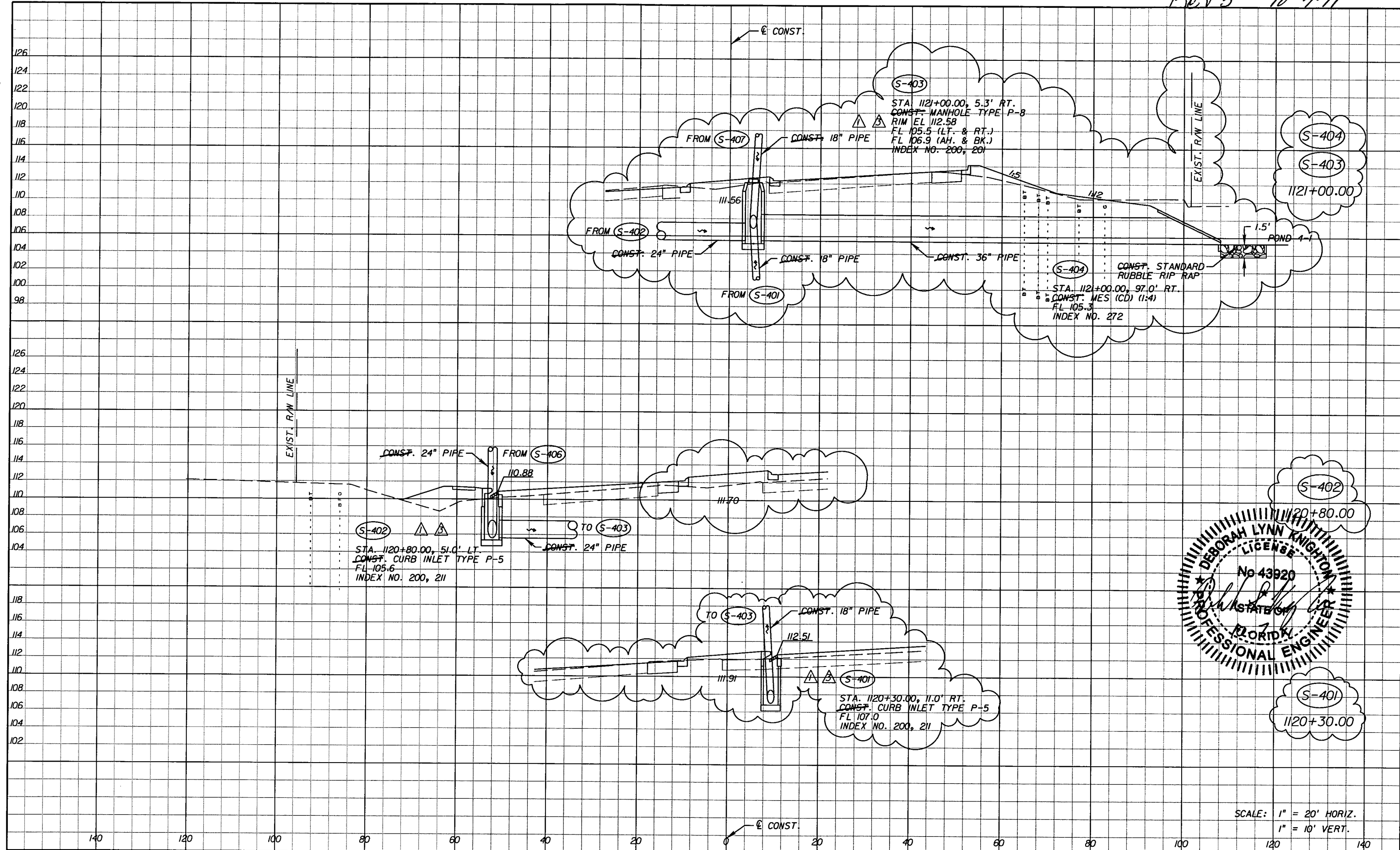
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (22)**

SHEET NO.  
92

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

Rev 3 10-7-11



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.	10-7-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.

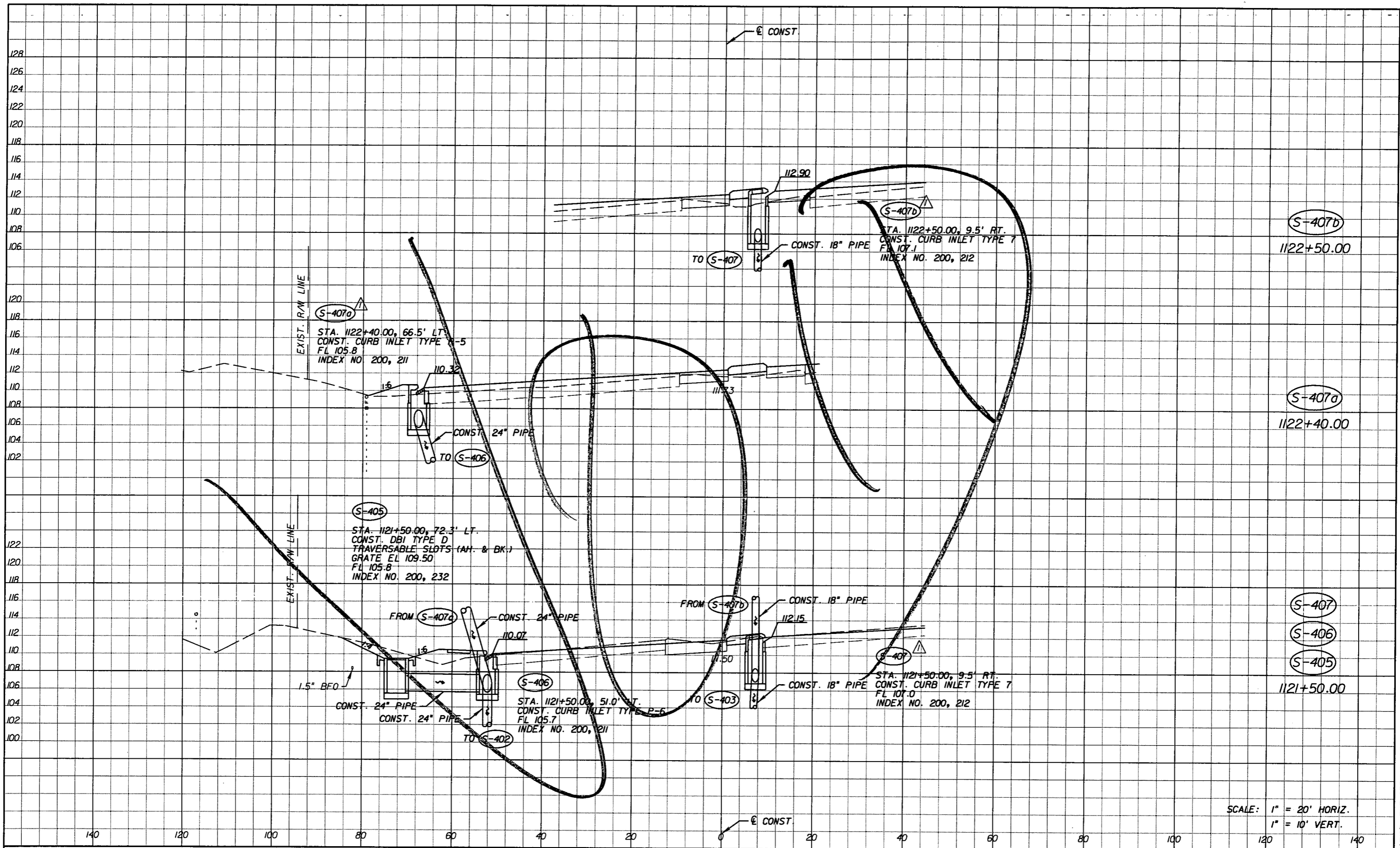
*Fuller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (22)**

SHEET NO.  
92

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.			

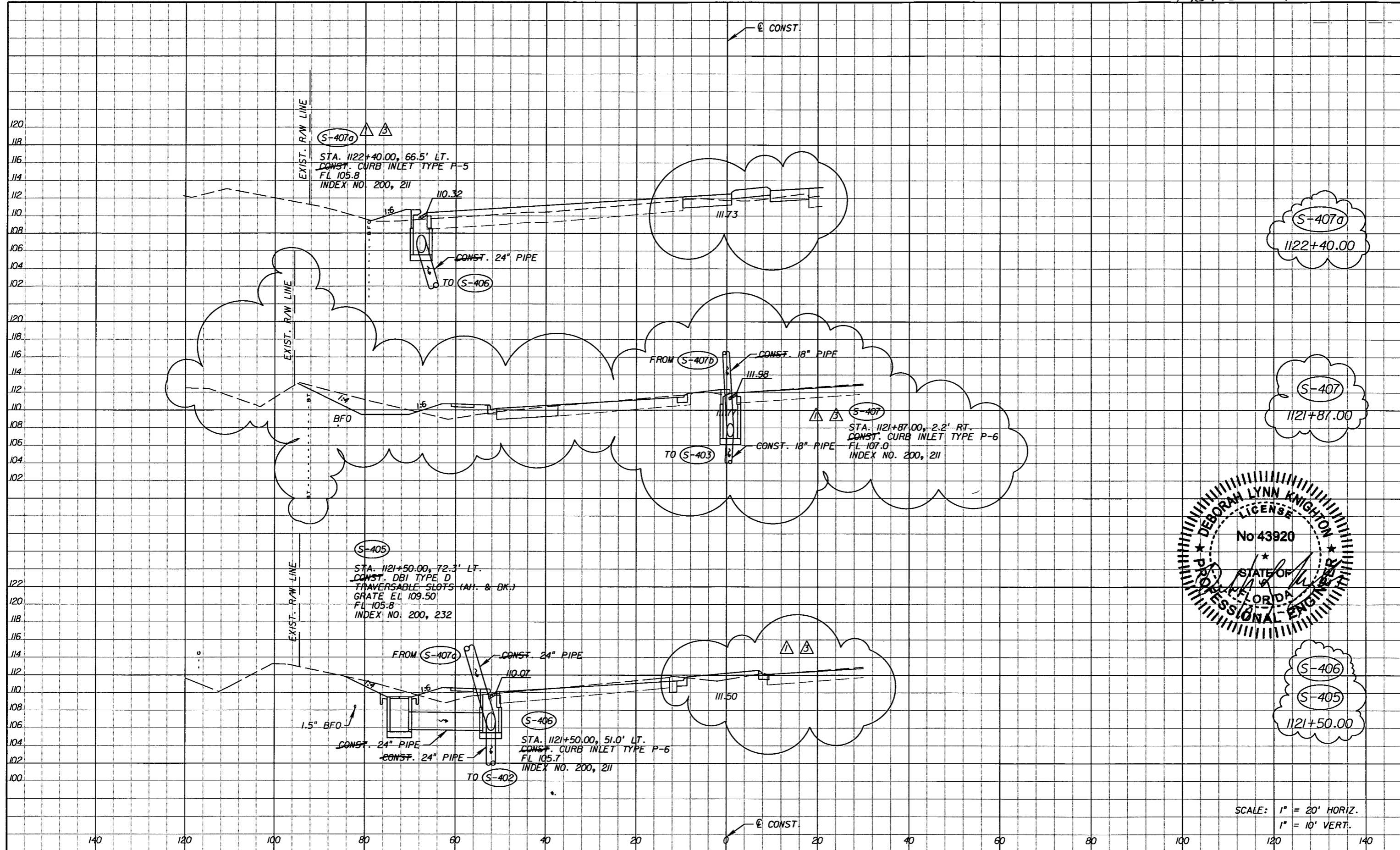
Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (23)**

SHEET NO. 93

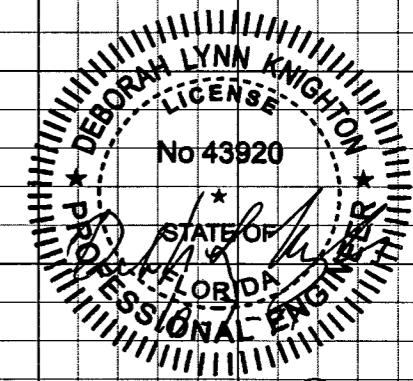
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 605-23.003, F.A.C.



S-407a  
1122+40.00

S-407  
1121+87.00

S-406  
S-405  
1121+50.00



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS		DATE	BY	DESCRIPTION
5-11-11	DK			△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.
10-7-11	DK			△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.

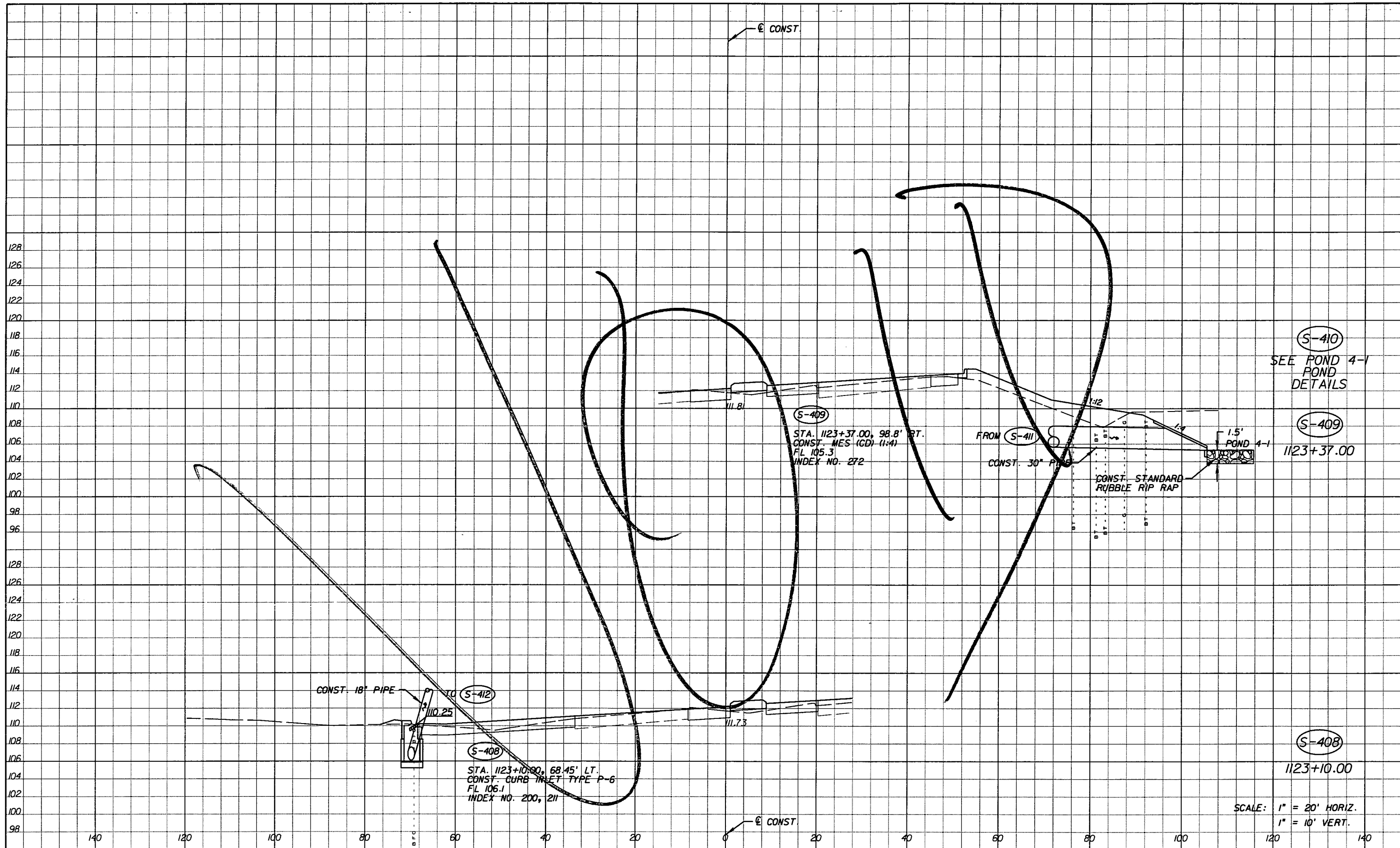
*Fuller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1107  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (23)**

SHEET NO.  
93

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



S-410  
SEE POND 4-1  
POND  
DETAILS

S-409  
1123+37.00

S-408  
1123+10.00

SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

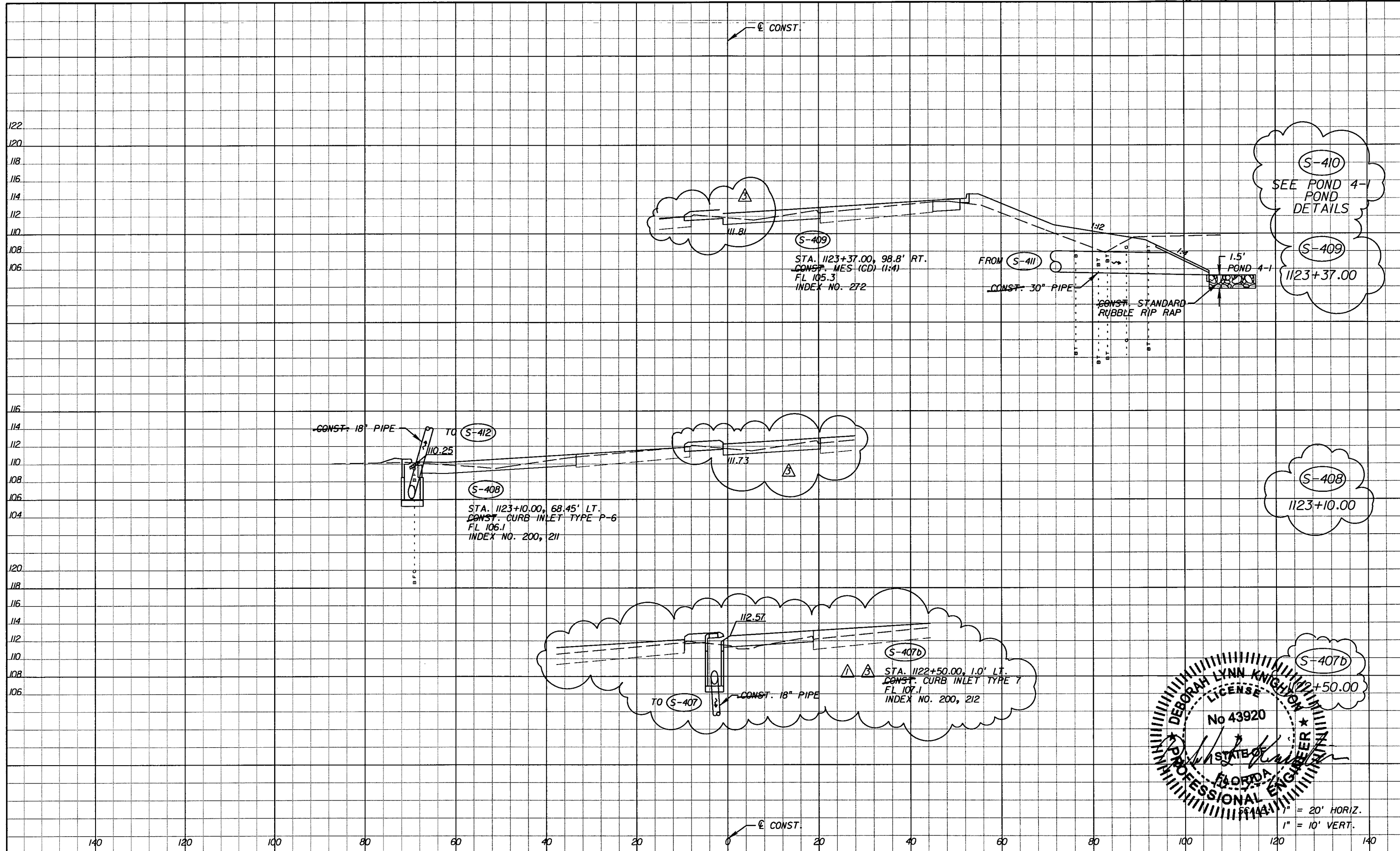
Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (24)</b>		SHEET NO. 94
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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

Rev 3 10-7-11

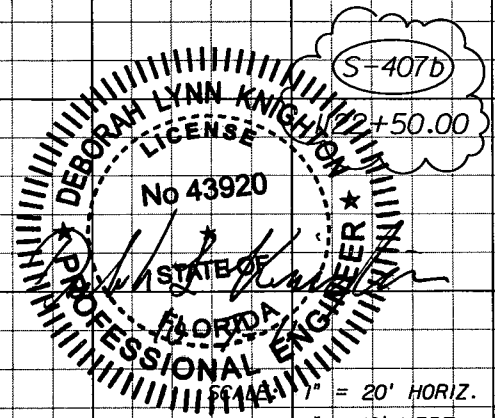


(S-410)  
SEE POND 4-1  
POND  
DETAILS

(S-409)  
1123+37.00

(S-408)  
1123+10.00

(S-407D)  
1122+50.00



1" = 20' HORIZ.  
1" = 10' VERT.

DATE		BY	DESCRIPTION	REVISIONS	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
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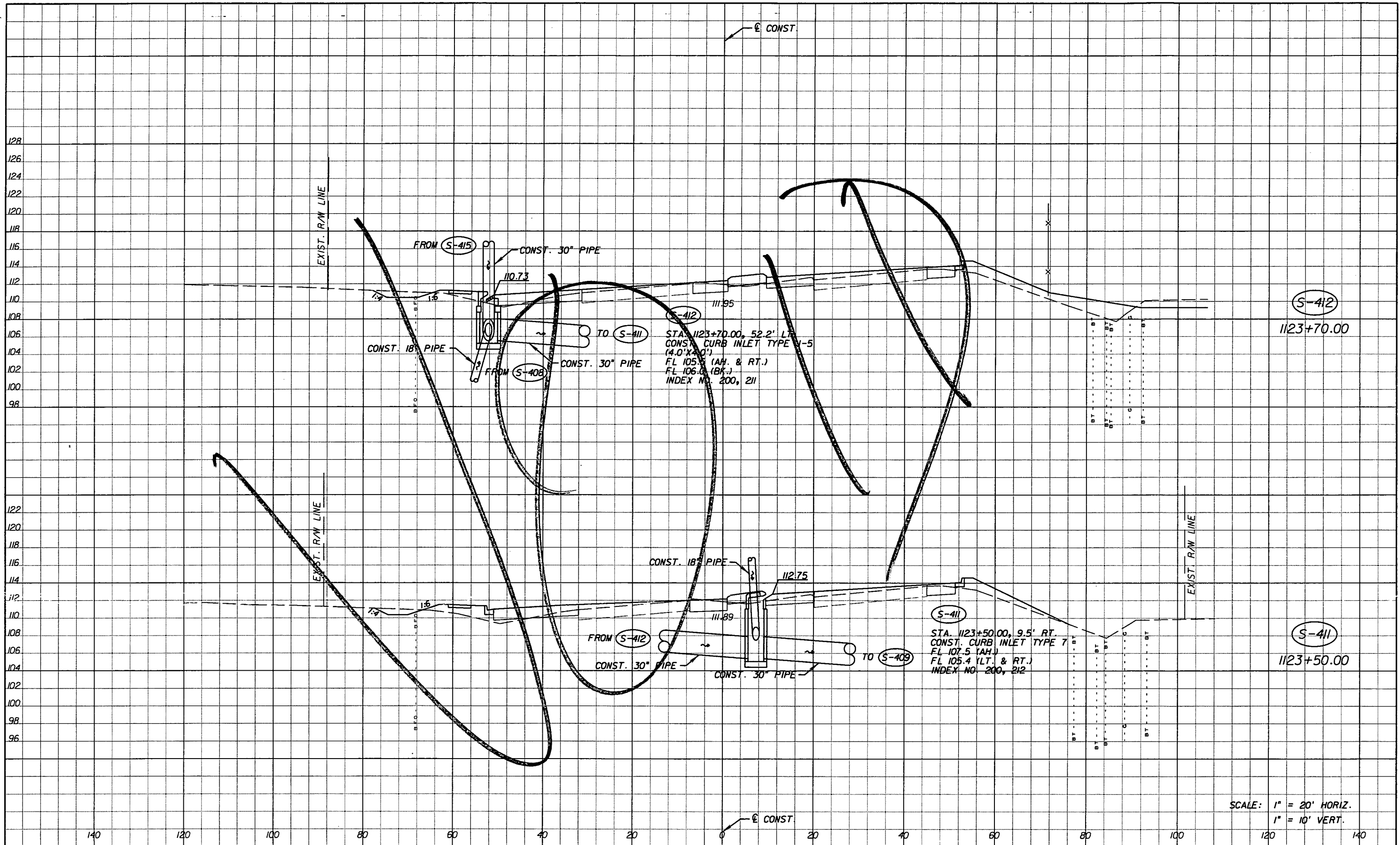
*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (24)**

SHEET NO.  
94

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SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

DATE		BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11		DK	REVISD ENTIRE SHEET DUE TO MEDIAN CHANGES			

**Faller, Davis & Associates, Inc.**  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

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

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

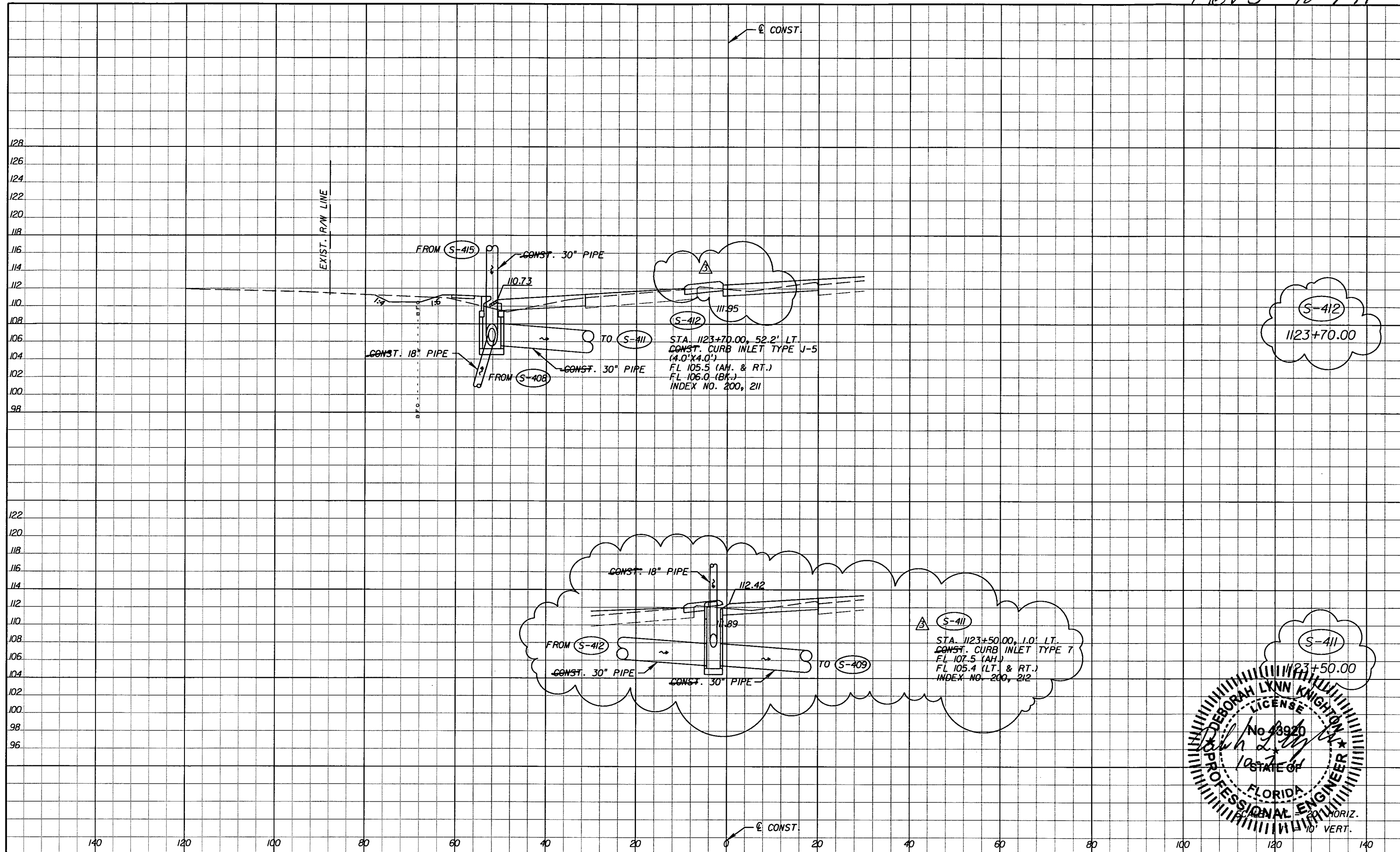
**DRAINAGE STRUCTURES (25)**

SHEET NO.  
95

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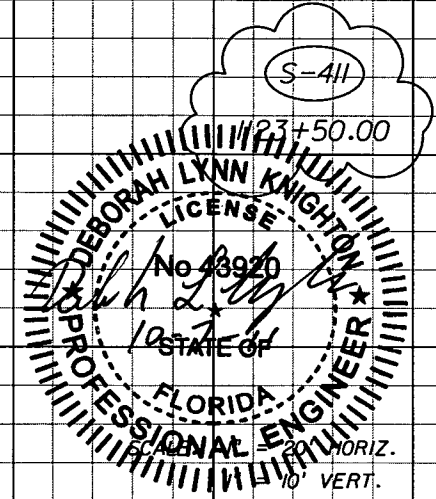
REVISIONS			
DATE	BY	DESCRIPTION	
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES	
10-7-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.	

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 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

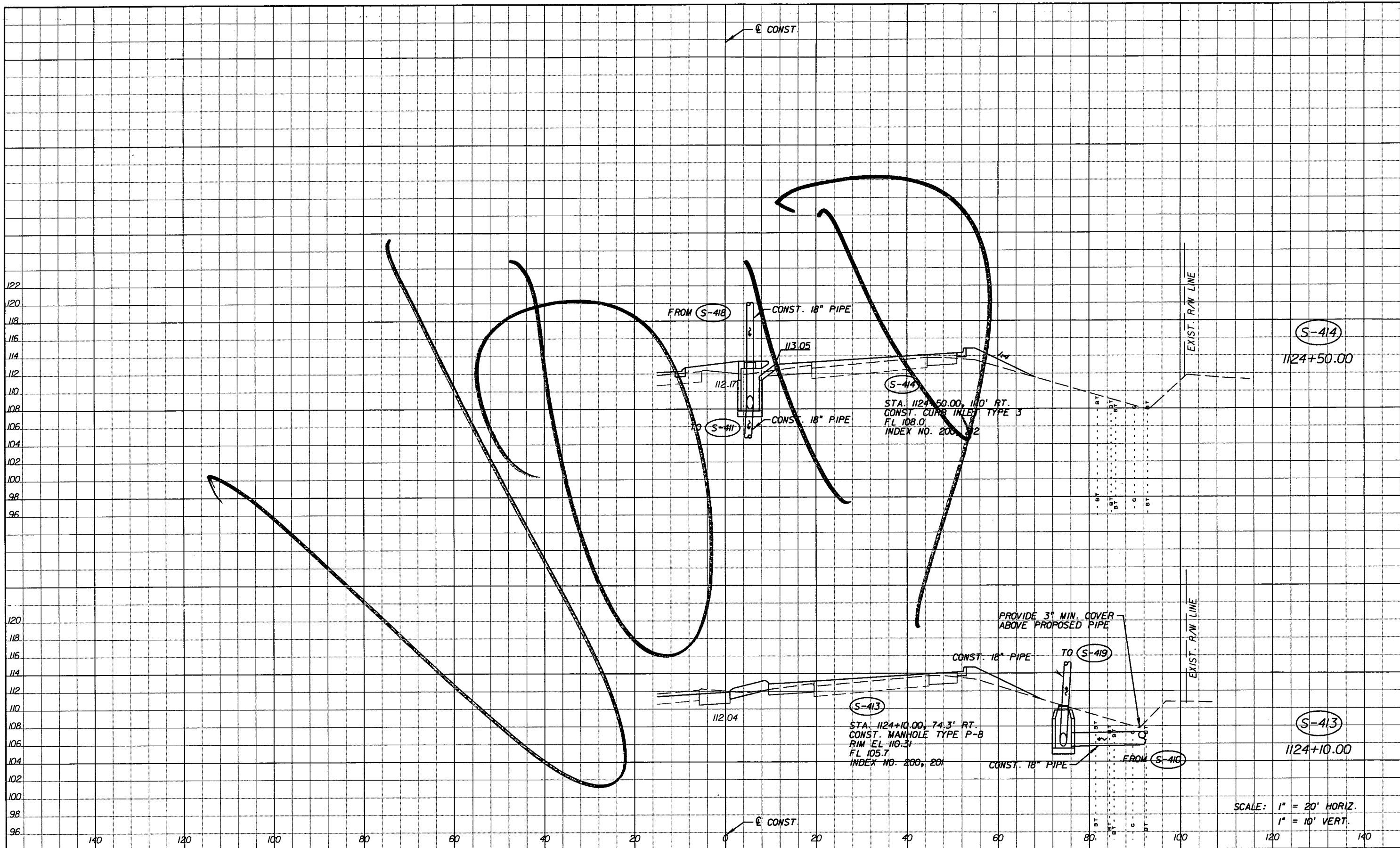
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (25)**

SHEET NO.  
95



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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
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 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

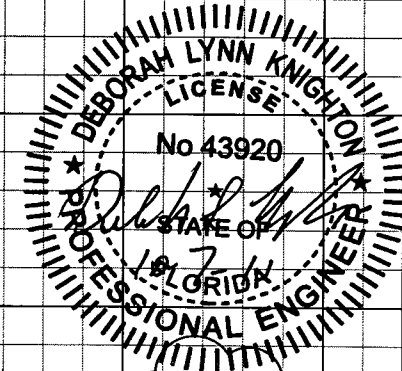
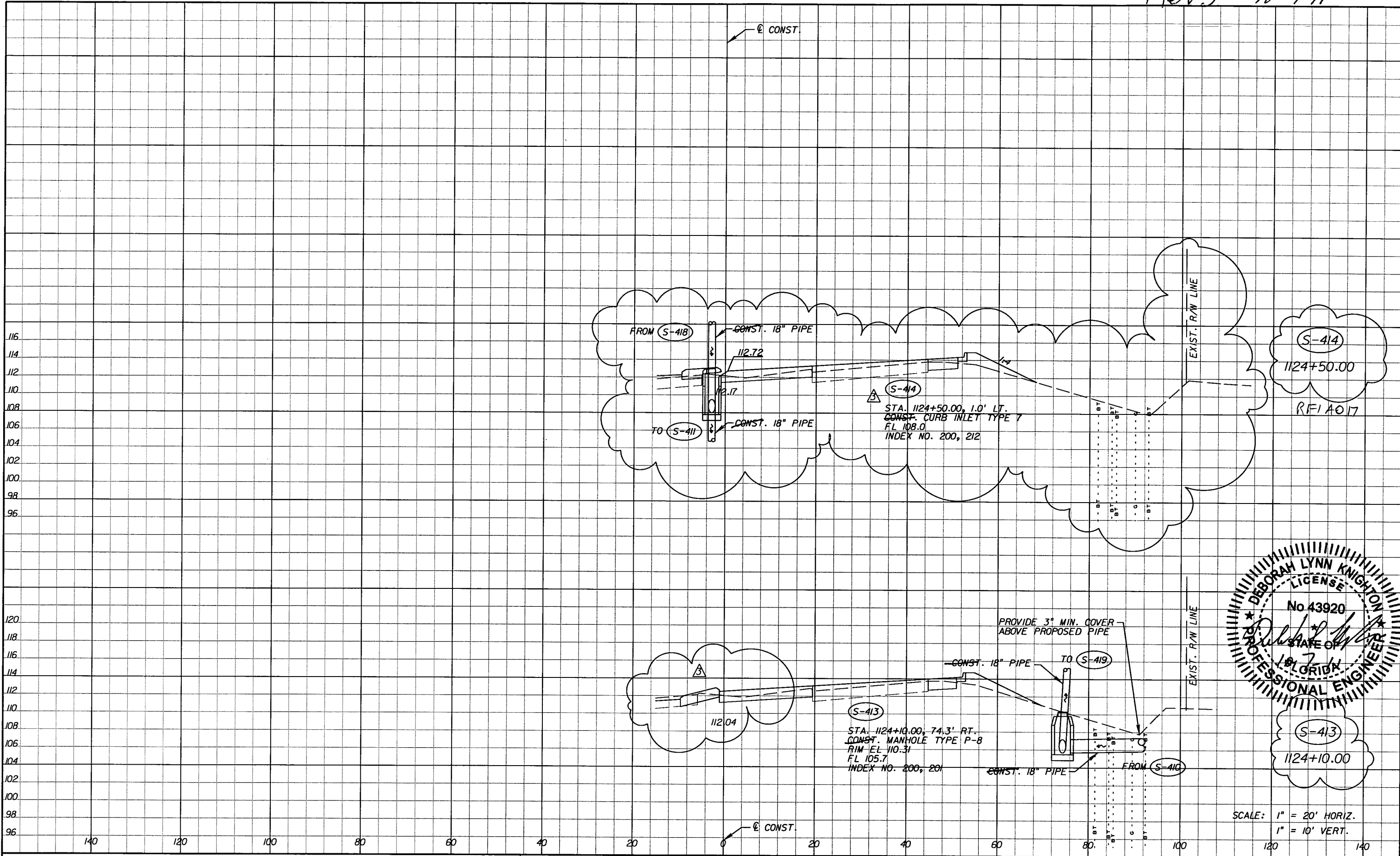
**DRAINAGE STRUCTURES (26)**

SHEET NO. 96

SCALE: 1" = 20' HORIZ.  
 1" = 10' VERT.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.

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DATE		BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△	REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES	10-7-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.

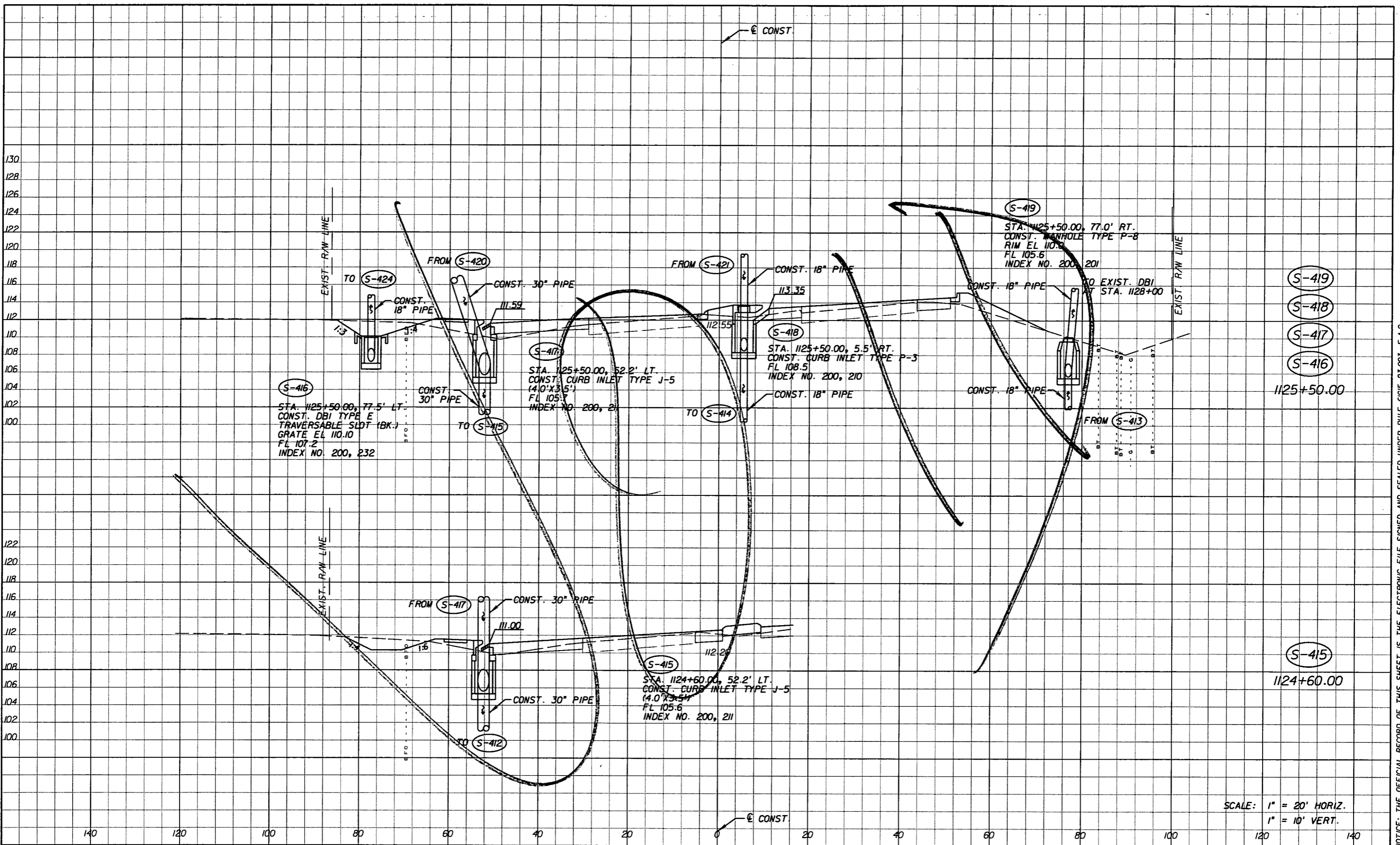
*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (26)**

SHEET NO.  
96

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SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

DATE		BY		DESCRIPTION	
5-11-11	DK	REVISOR'S MARK			
		REVISIONS			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	REVISOR'S MARK			
		REVISIONS			

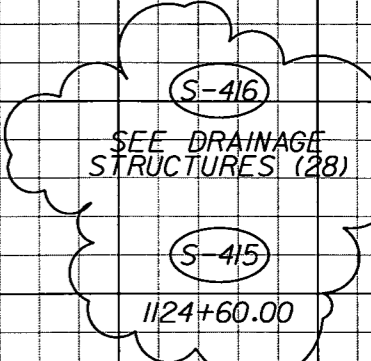
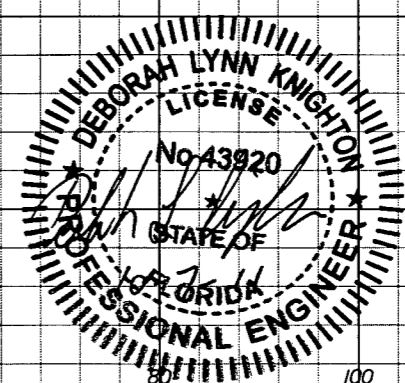
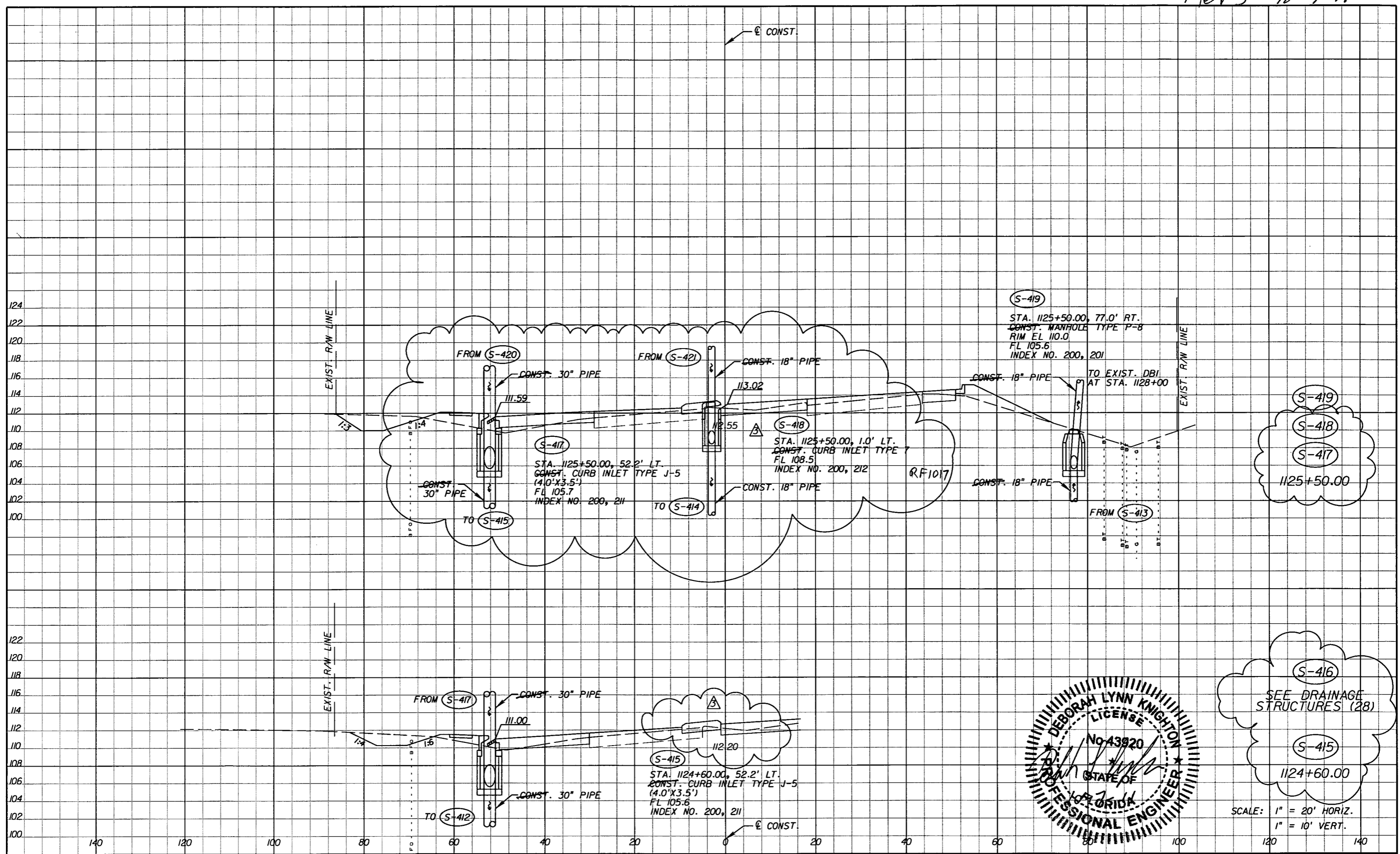
Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (27)</b>		SHEET NO. 97
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SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS		DATE	BY	DESCRIPTION
5-11-11	DK			△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES
10-7-11	DK			△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.

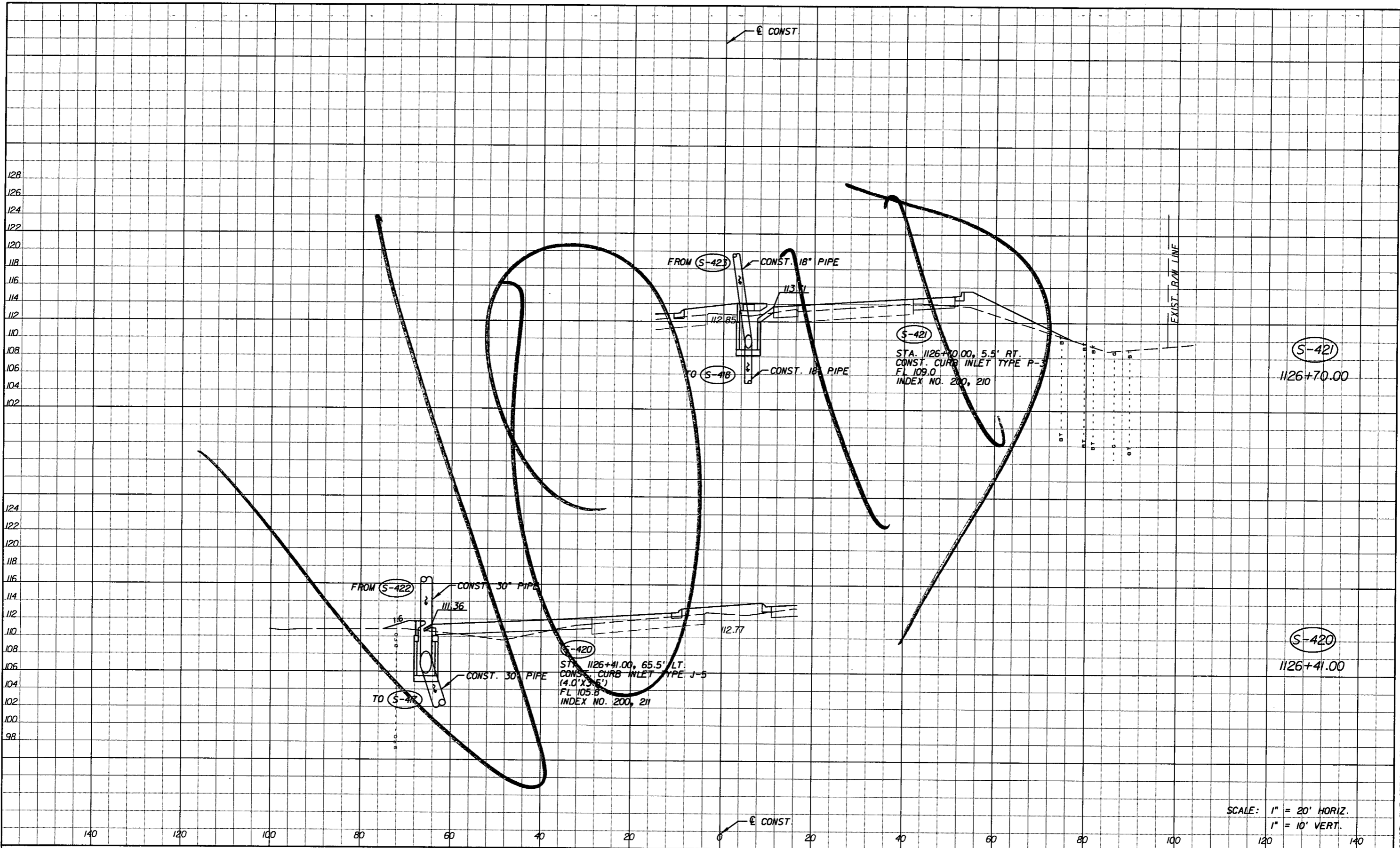
*Faller Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (27)**

SHEET NO. 97

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SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS			
DATE	BY	DESCRIPTION	
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES	

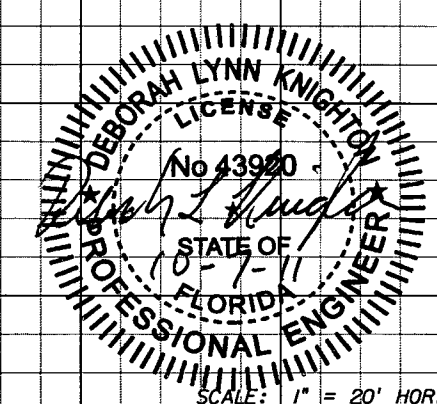
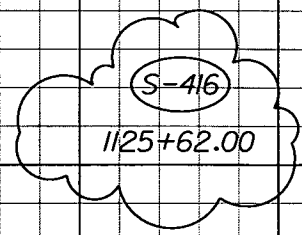
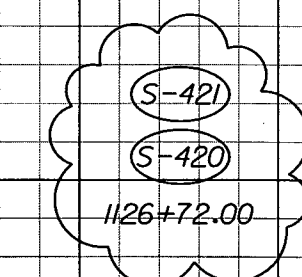
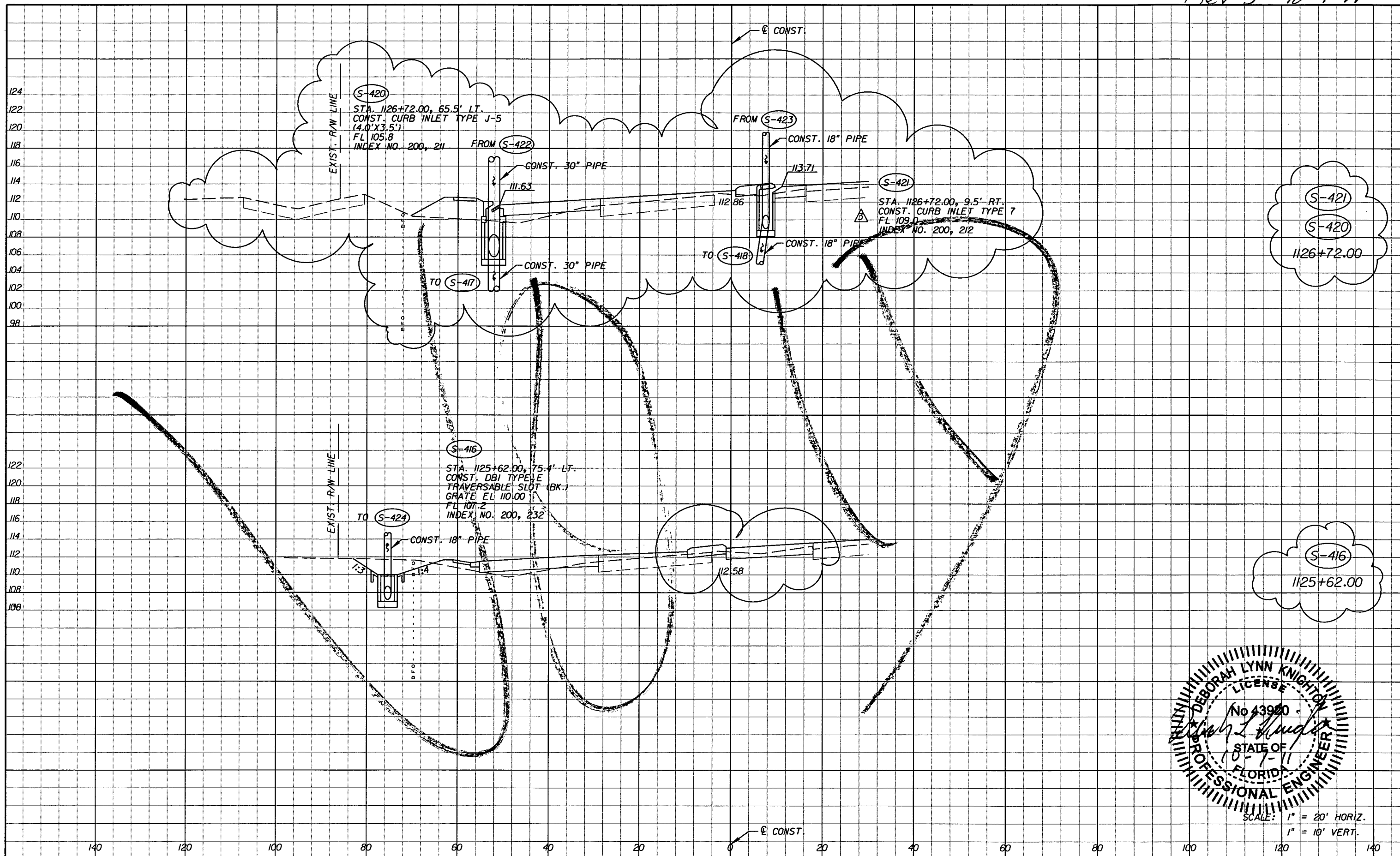
*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (28)</b>	SHEET NO. 98
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Rev 3 10-7-11



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES	10-7-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.

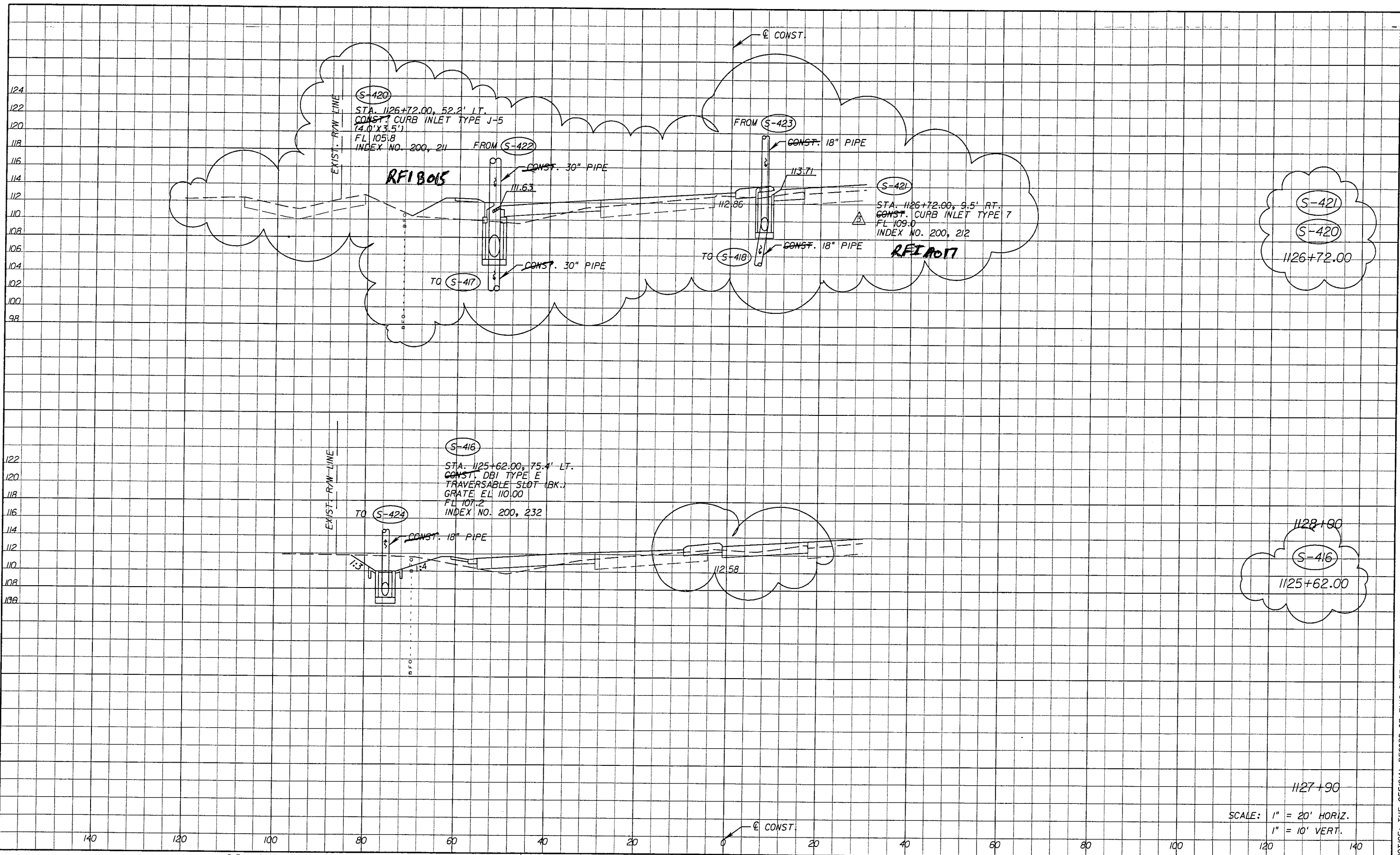
Faller Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (28)**

SHEET NO.  
98

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DATE		BY	DESCRIPTION	REVISIONS	
5-11-11	DK	△	REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES	10-7-11	DK
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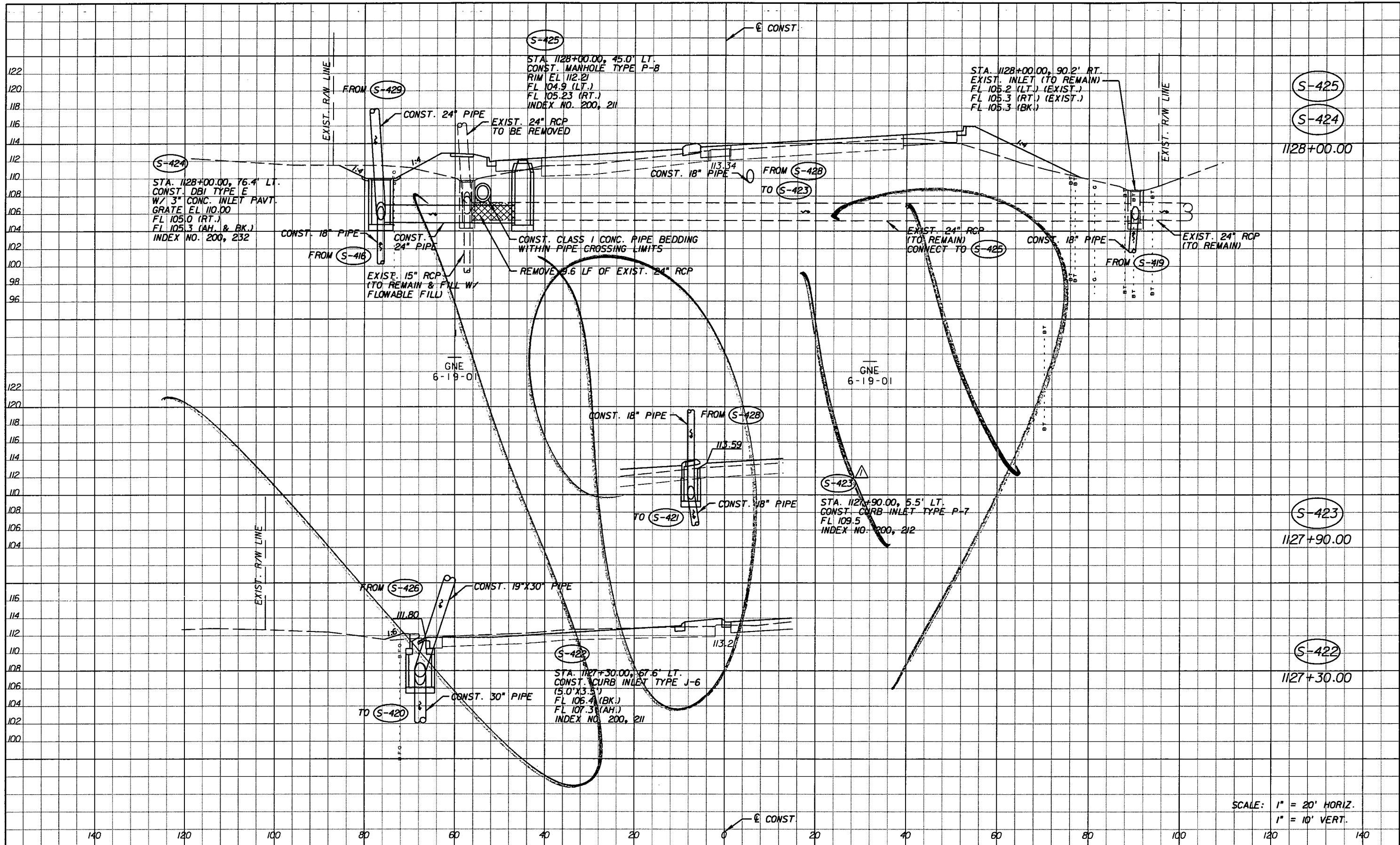
Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

1128+10		SHEET NO.
<b>DRAINAGE STRUCTURES (28)</b>		98

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SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

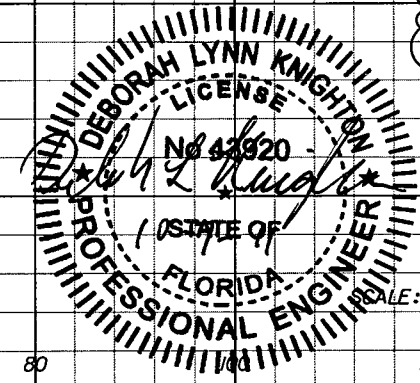
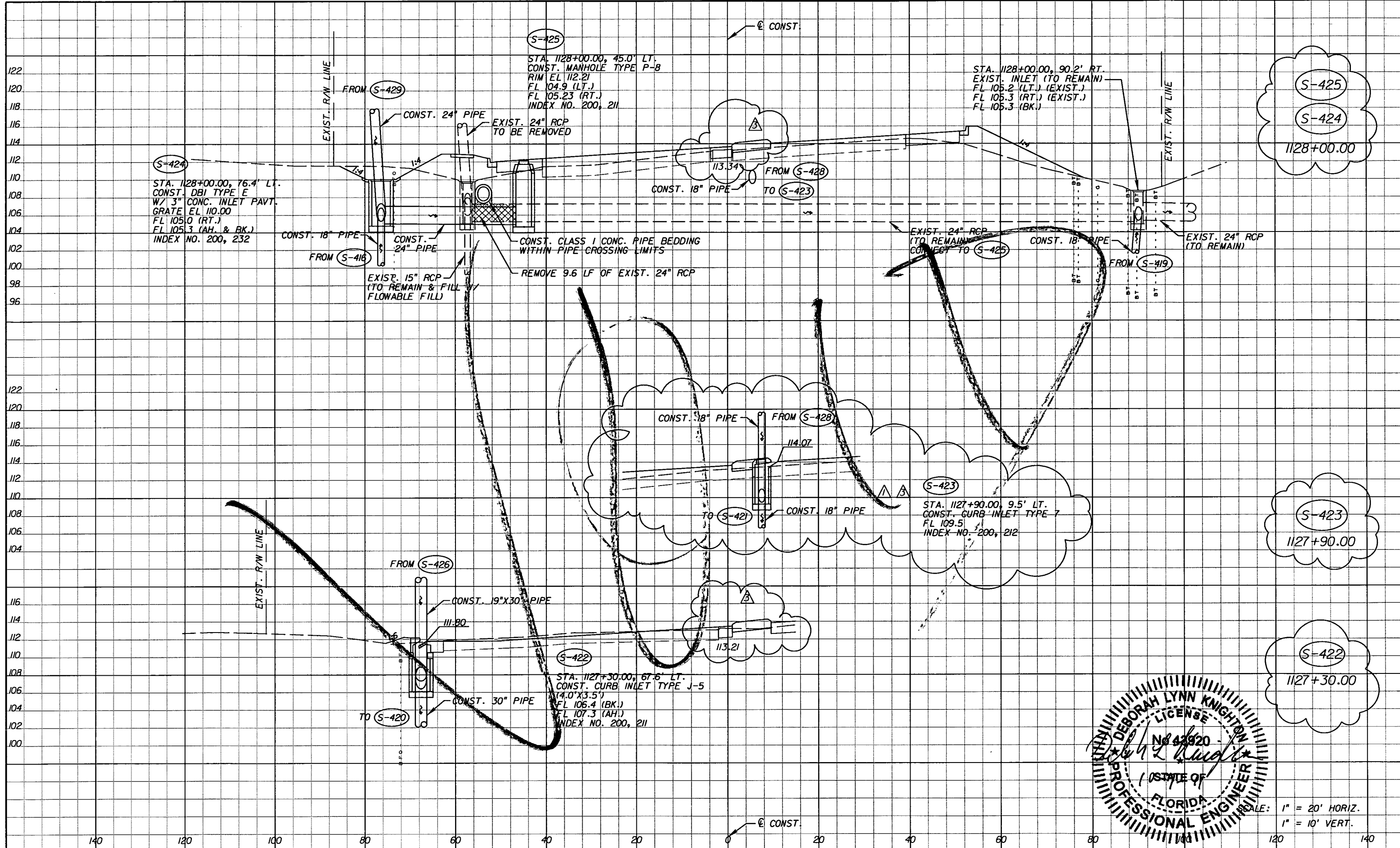
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.			

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (29)</b>	SHEET NO. 99
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SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.	10-7-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.

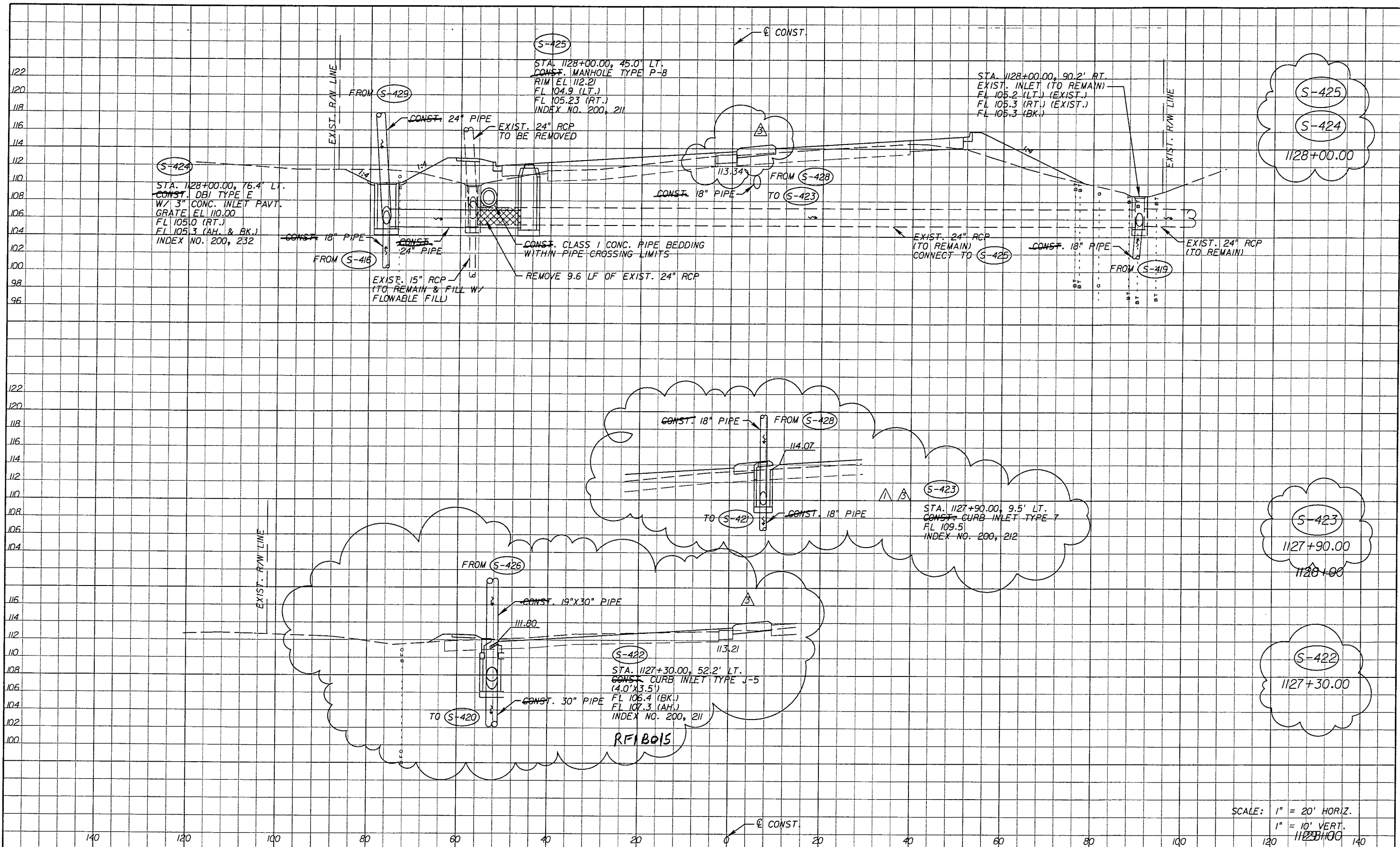
Faller Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (29)**

SHEET NO.  
99

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SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

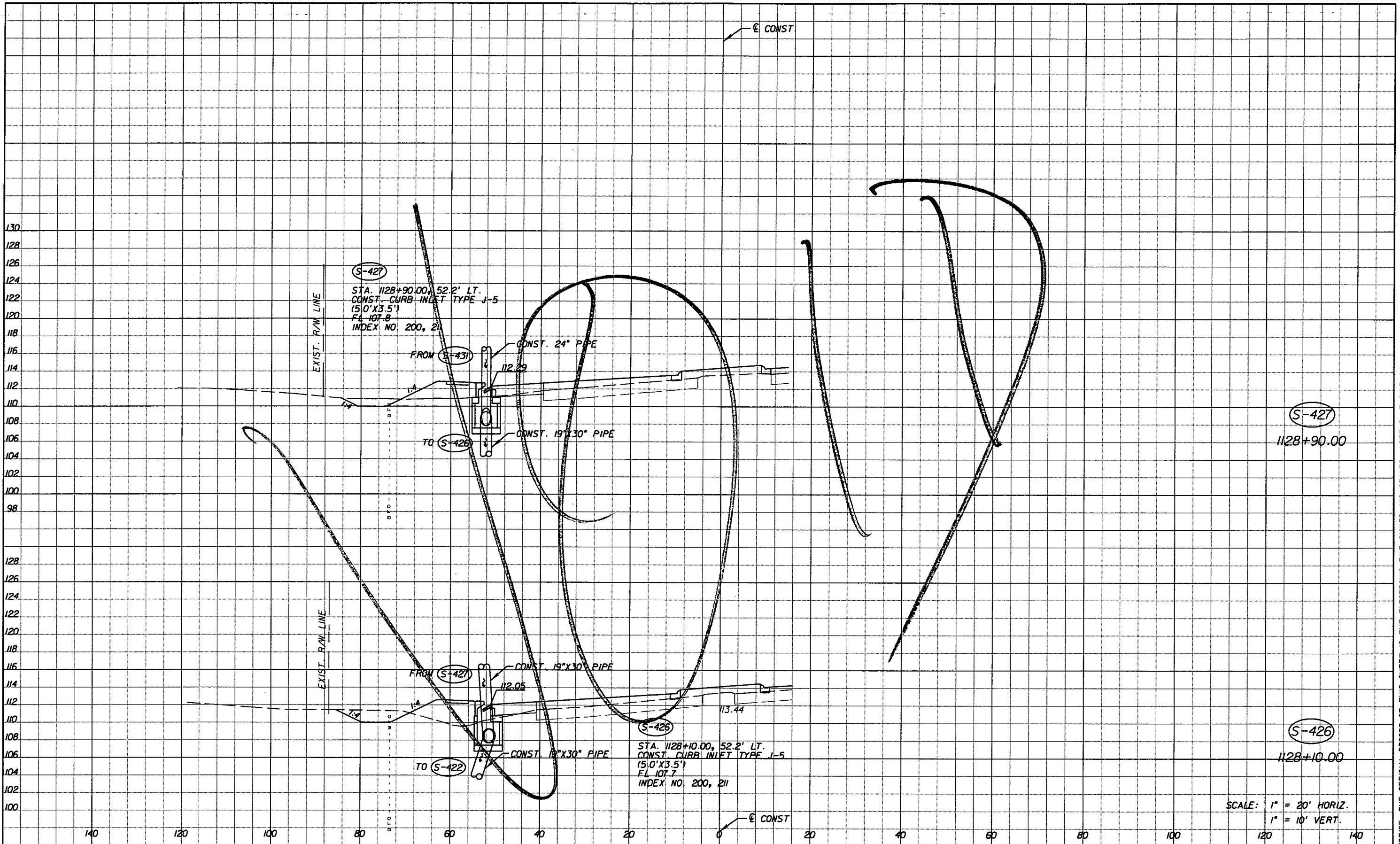
REVISIONS	
DATE	DESCRIPTION
5-11-11	DK $\Delta$ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.
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Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

DRAINAGE STRUCTURES (29)	
SHEET NO.	
99	

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SCALE: 1" = 20' HORIZ.  
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

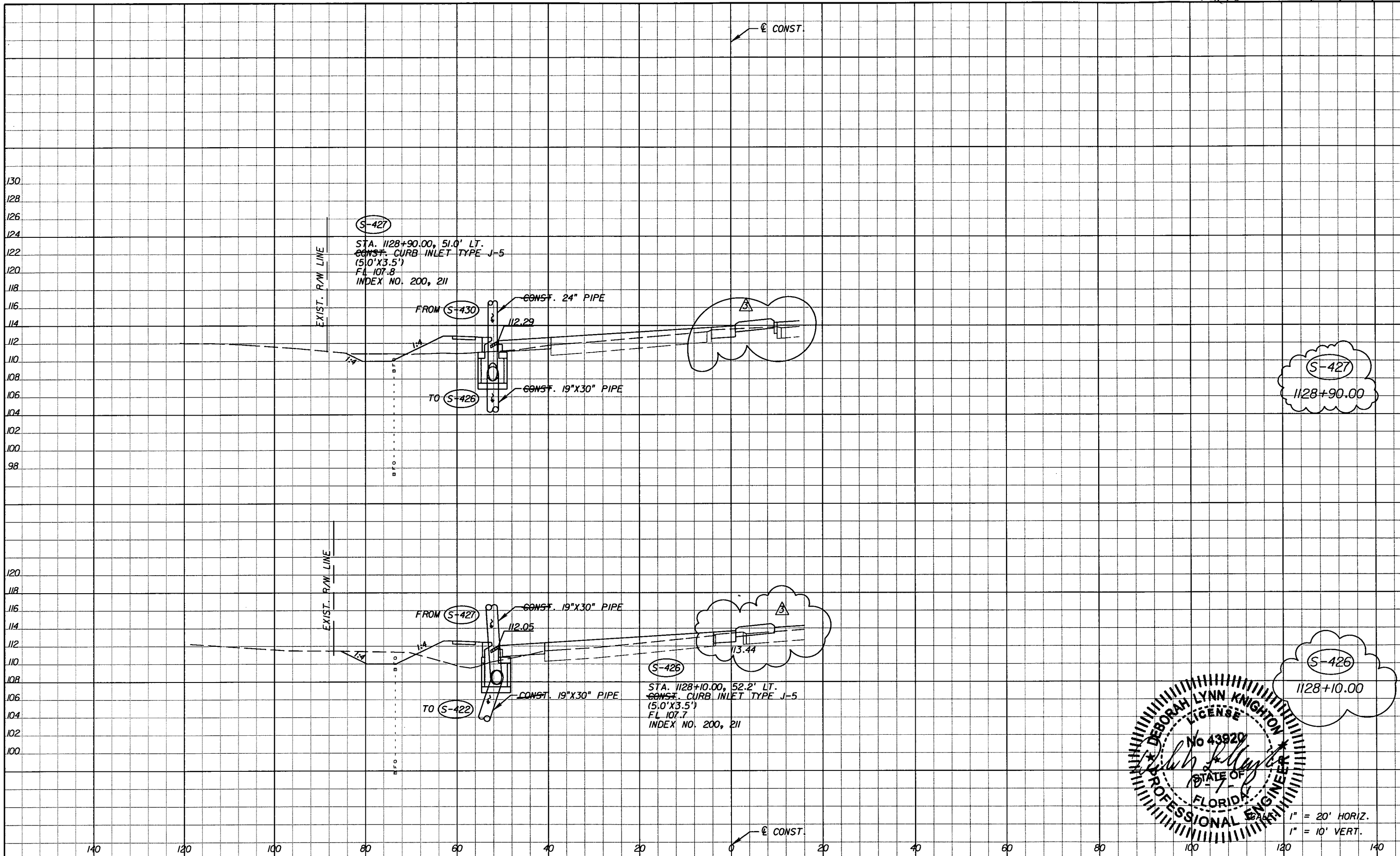
Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (30)</b>		SHEET NO. 100
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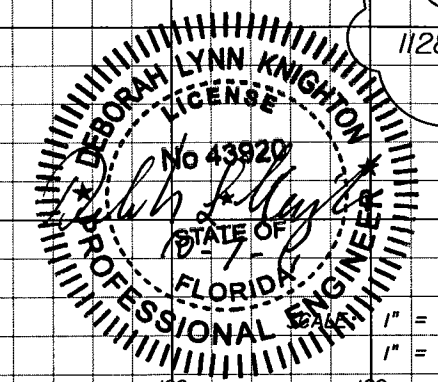
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.

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S-427  
1128+90.00

S-426  
1128+10.00



1" = 20' HORIZ.  
 1" = 10' VERT.

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DATE		BY	DESCRIPTION	DATE	BY	DESCRIPTION
10-7-11		DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.			

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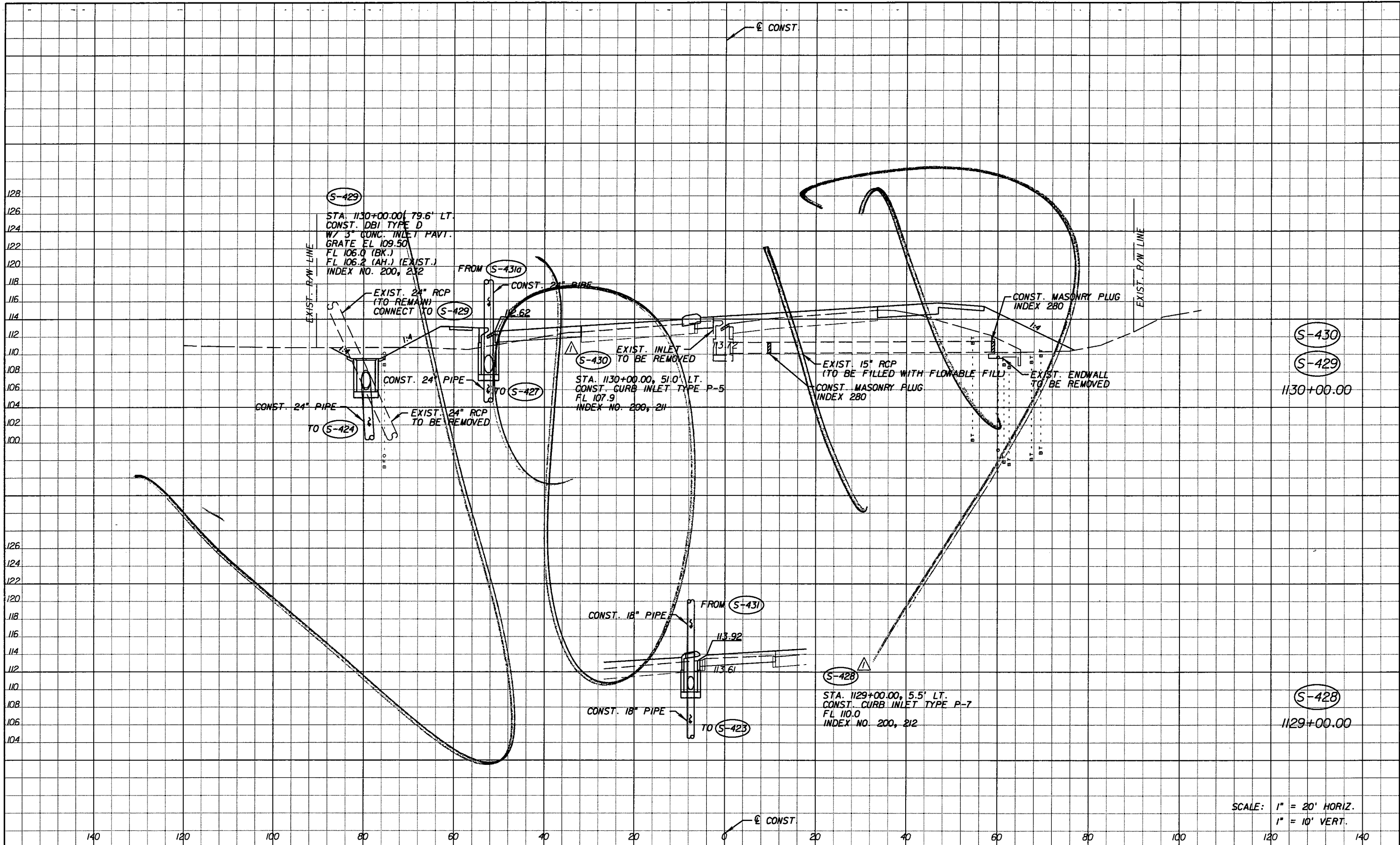
5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (30)**

SHEET NO.  
100



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.			

Faller, Davis & Associates, Inc.  
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TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

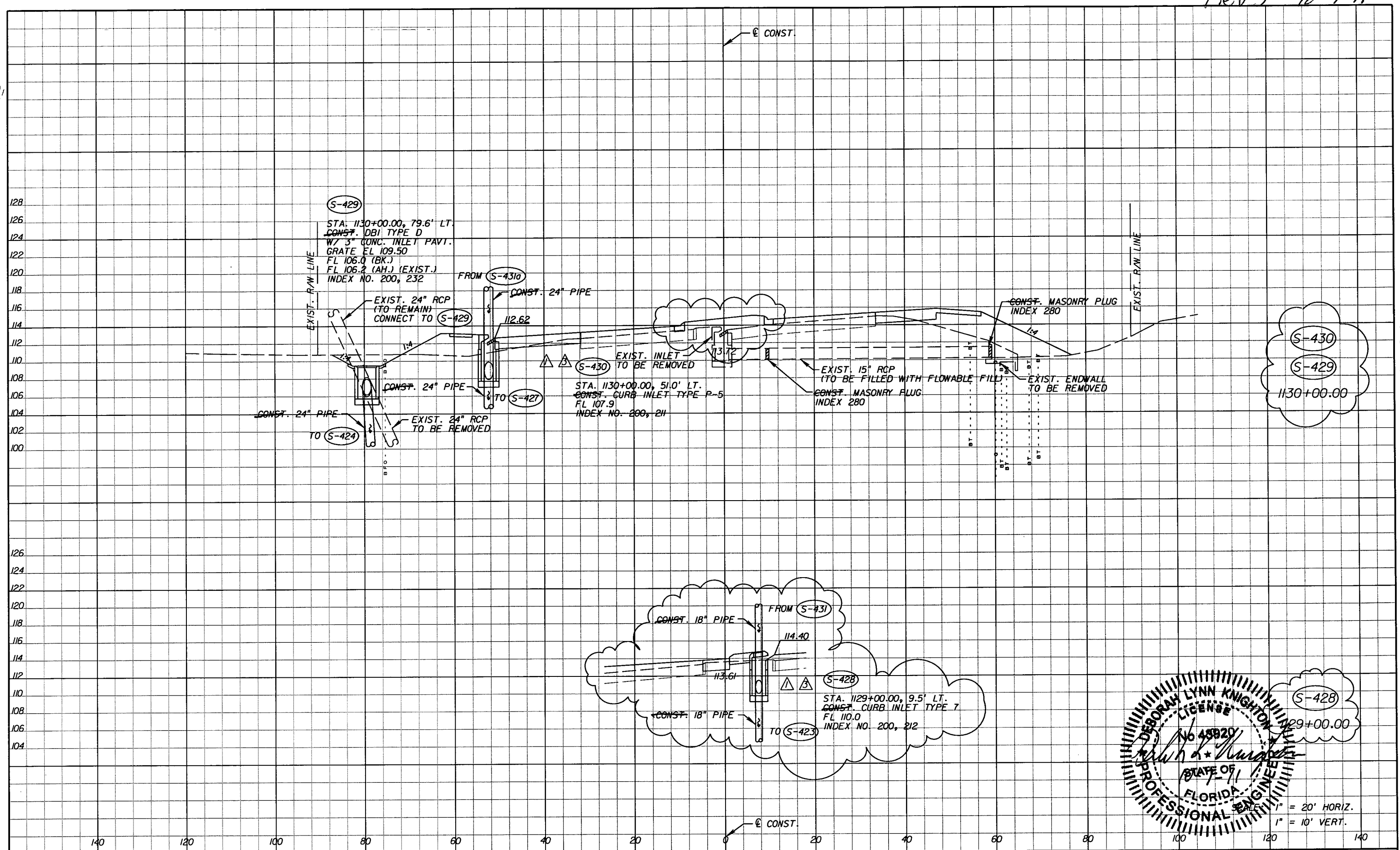
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (31)**

SHEET NO.  
101

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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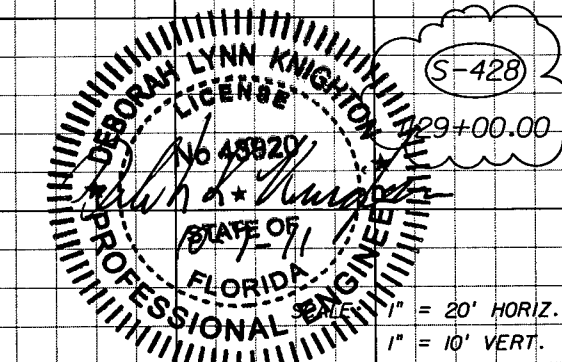
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Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

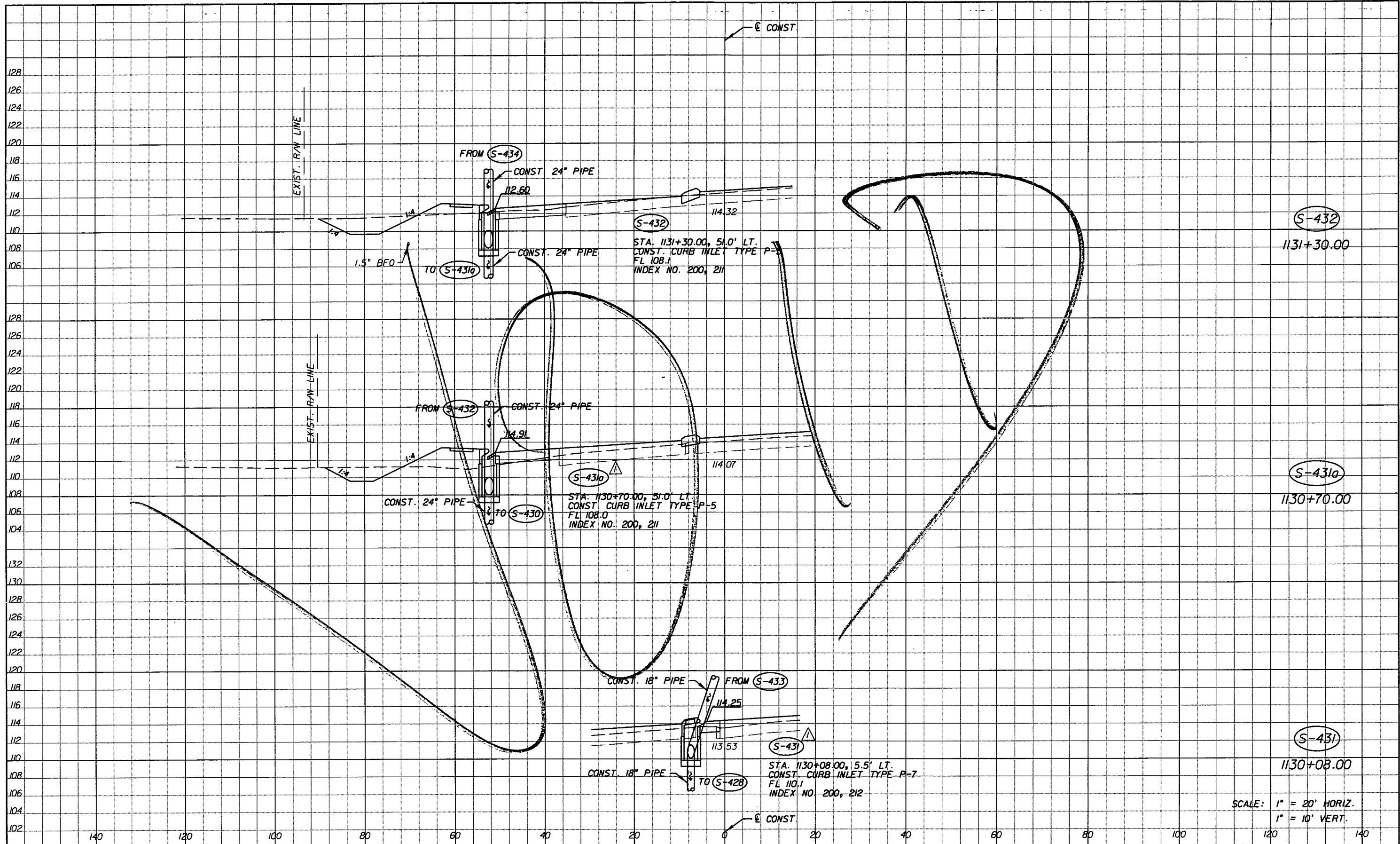
**DRAINAGE STRUCTURES (31)**

SHEET NO. 101



1" = 20' HORIZ.  
 1" = 10' VERT.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
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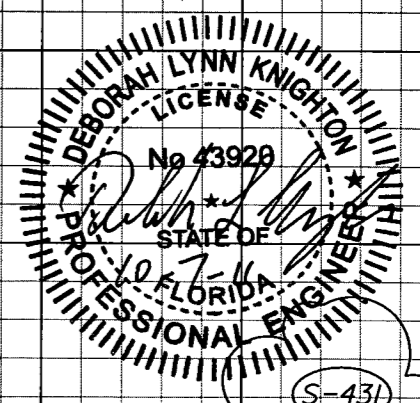
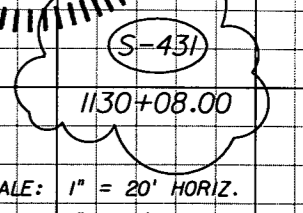
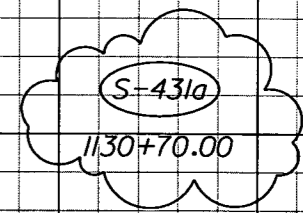
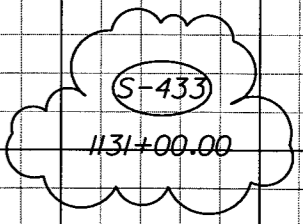
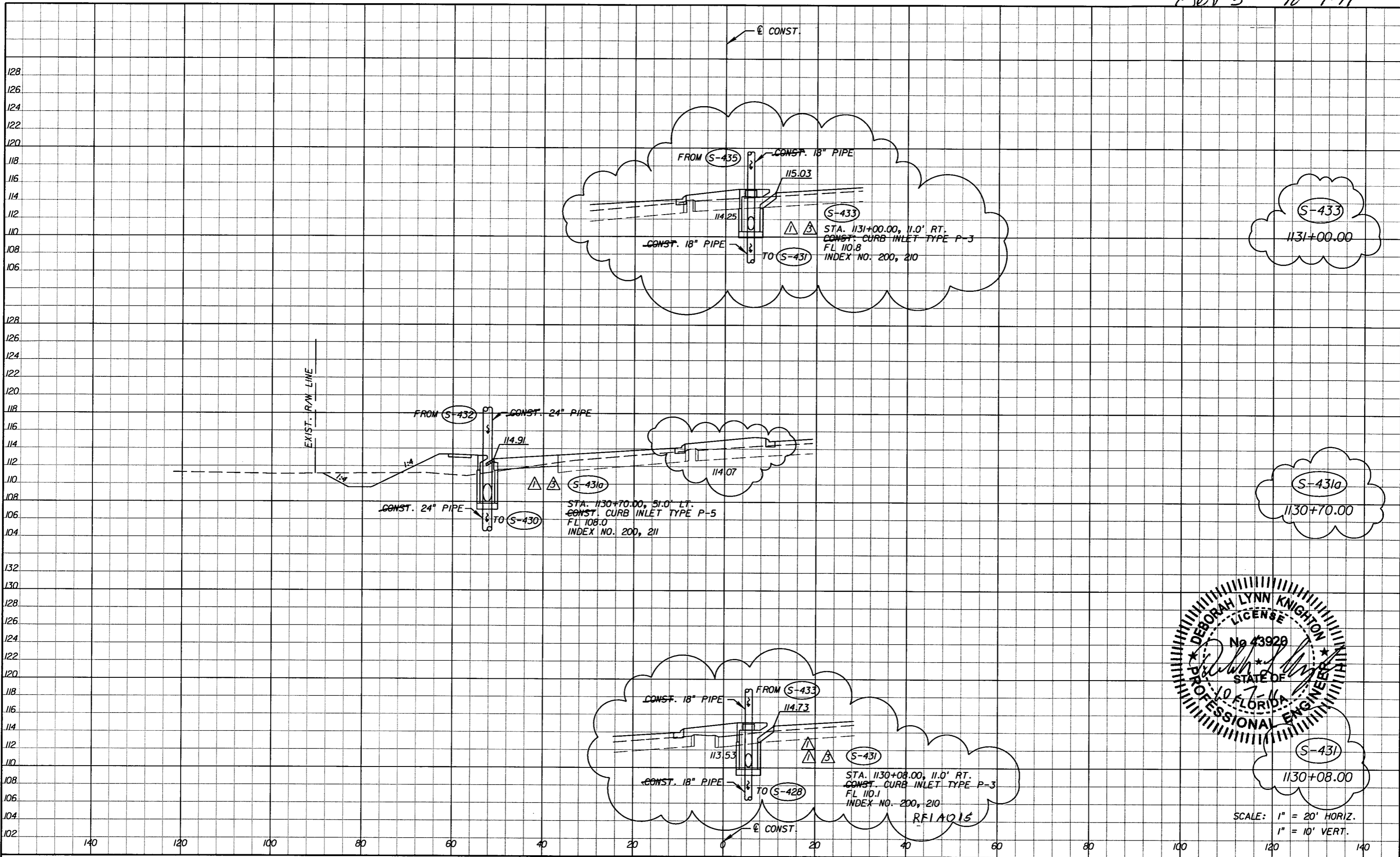
*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (32)</b>	SHEET NO. 102
---------------------------------	------------------



Rev 3 10-7-11



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS	
DATE	DESCRIPTION
5-11-11	DK  DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.
10-7-11	DK  DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.

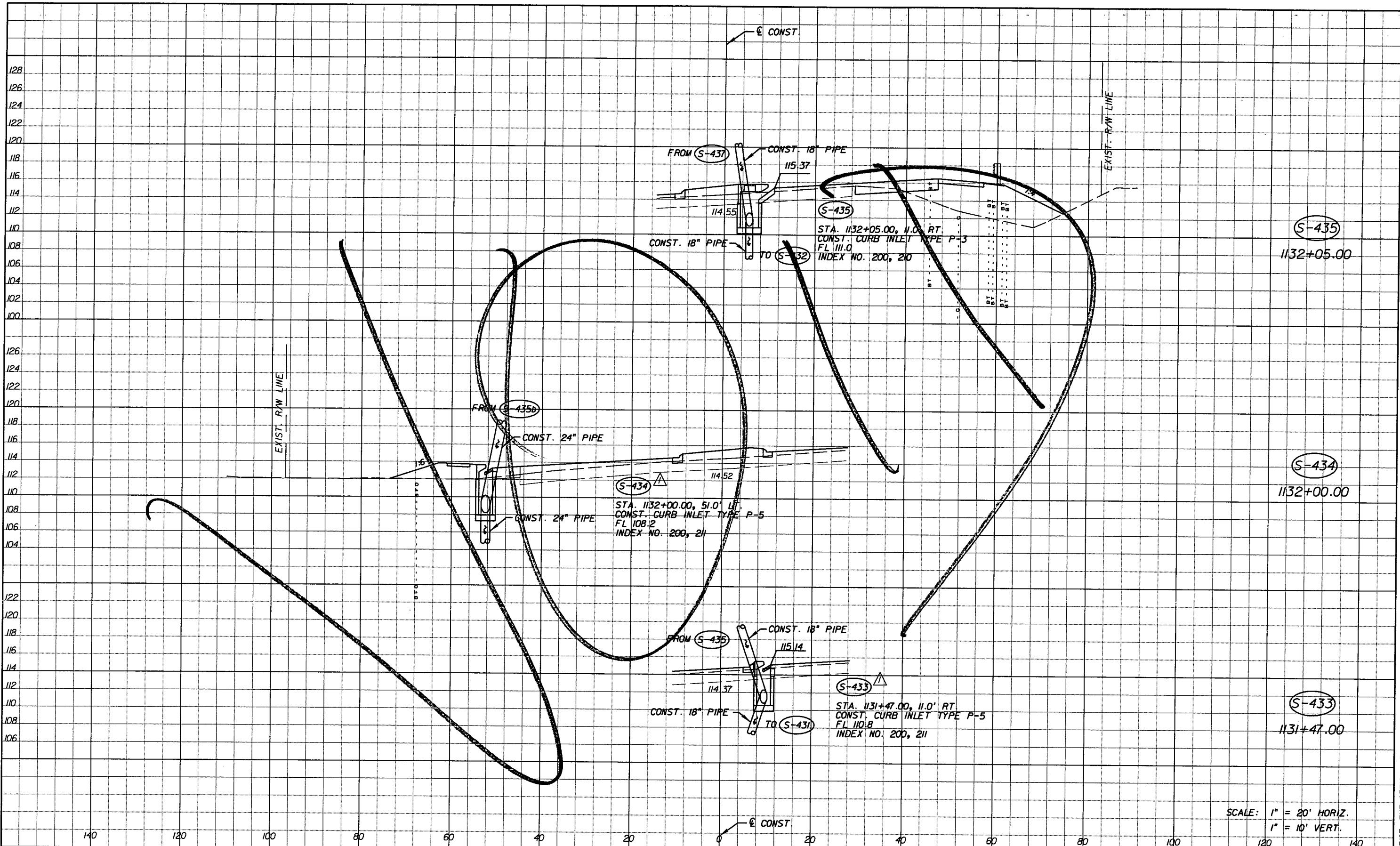
Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (32)**

SHEET NO.  
102

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

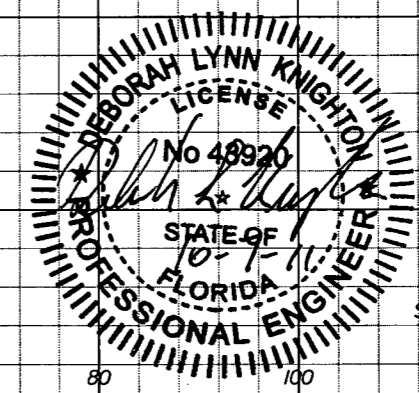
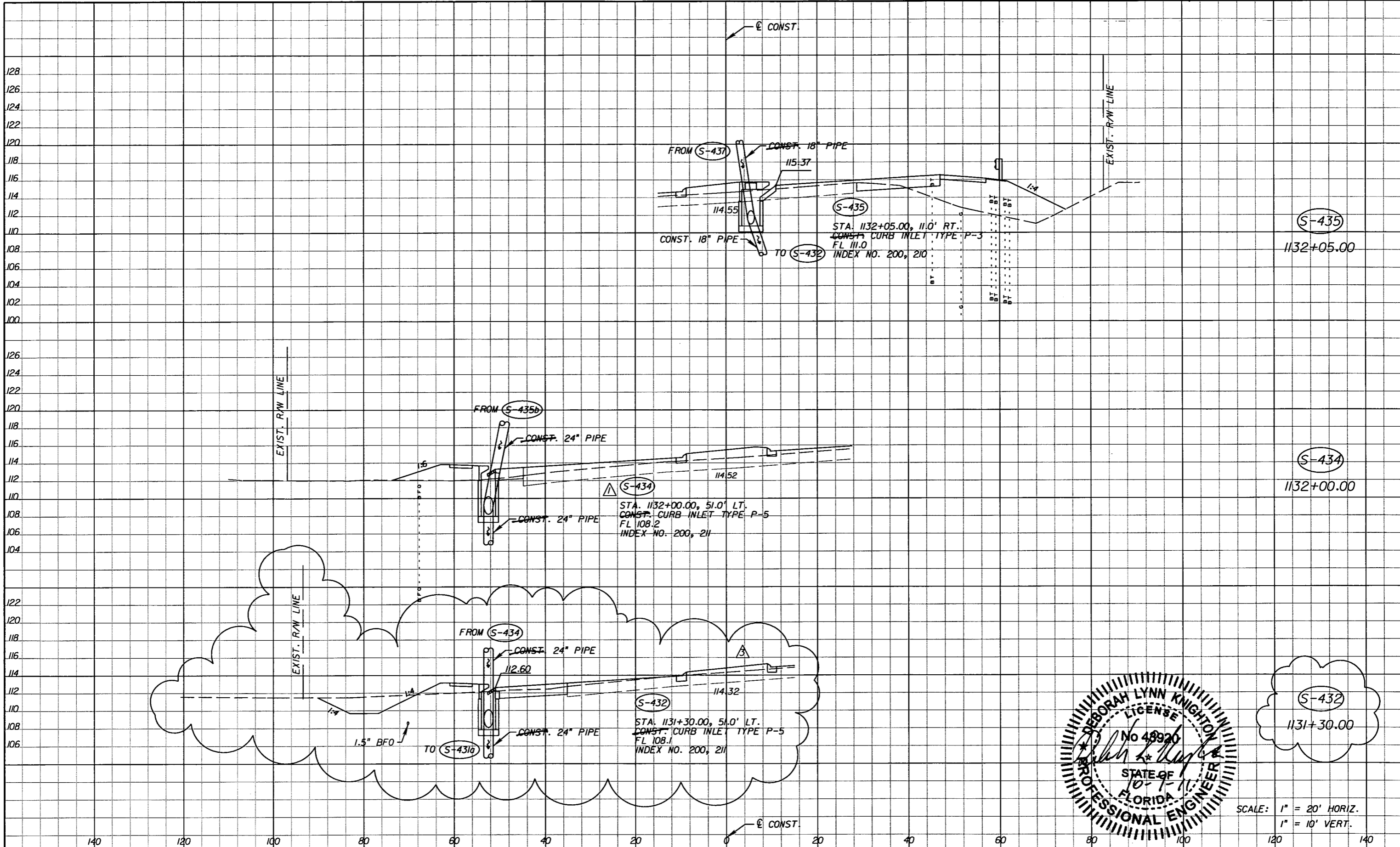
DATE		BY	DESCRIPTION	REVISIONS	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.			

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (33)</b>	SHEET NO. 103
---------------------------------	------------------

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6815-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

DATE		BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11		DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.	10-7-11		DK △ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.

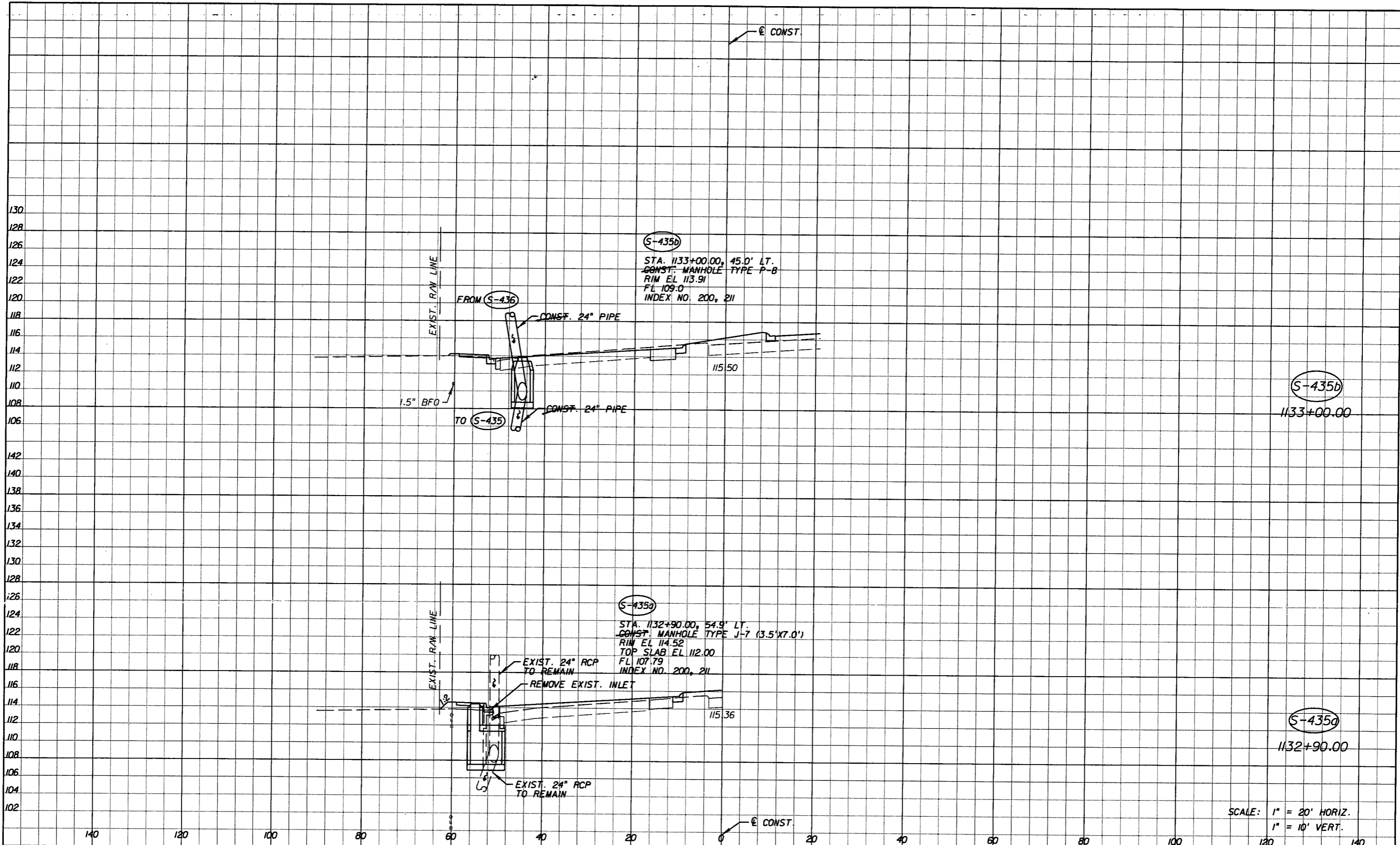
Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-7707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (33)**

SHEET NO.  
103

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6095-23.003, F.A.C.



S-435b  
1133+00.00

S-435a  
1132+90.00

SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

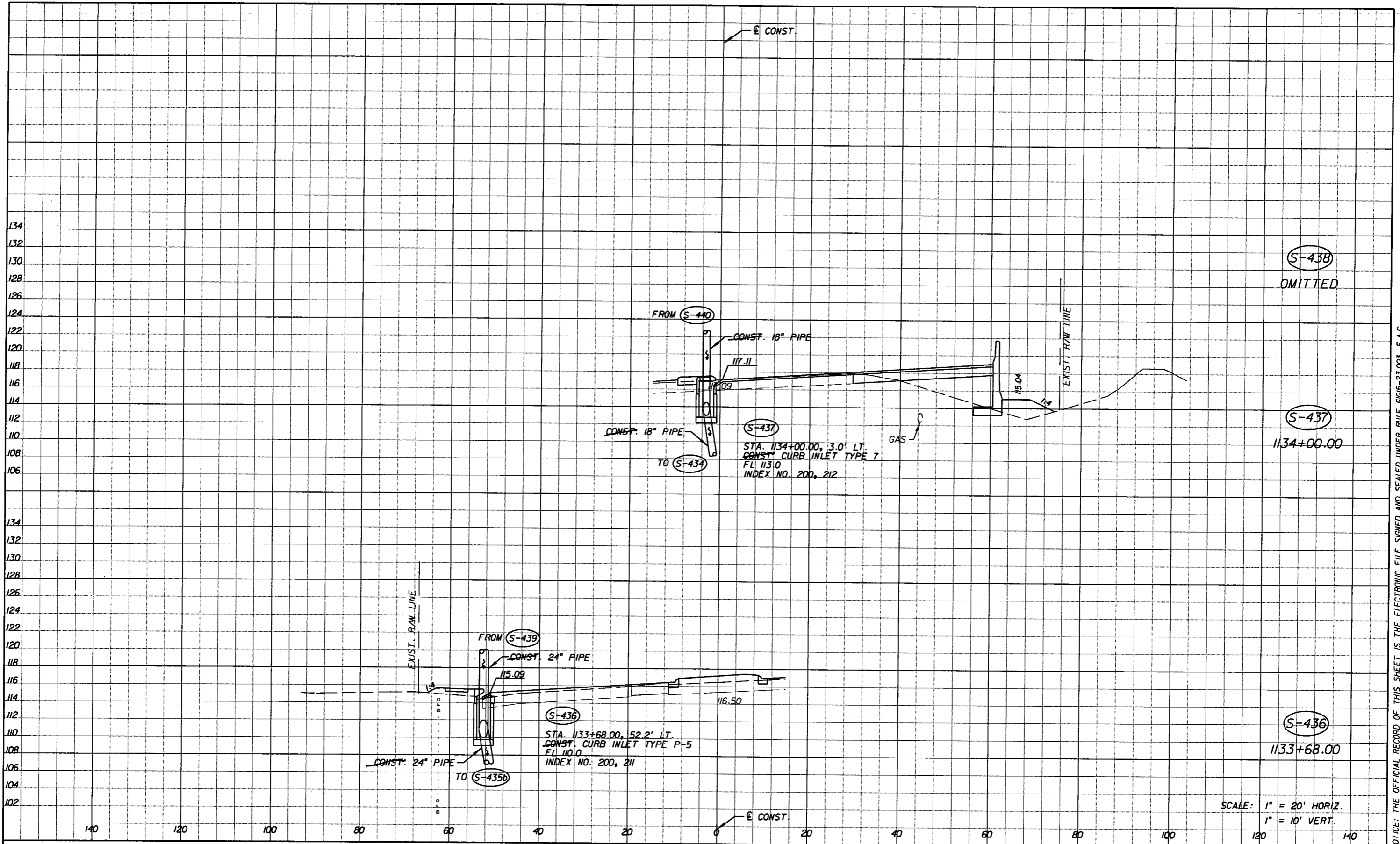
Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (34)**

SHEET NO.  
104

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.



(S-438)  
OMITTED

(S-437)  
1134+00.00

(S-436)  
1133+68.00

SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

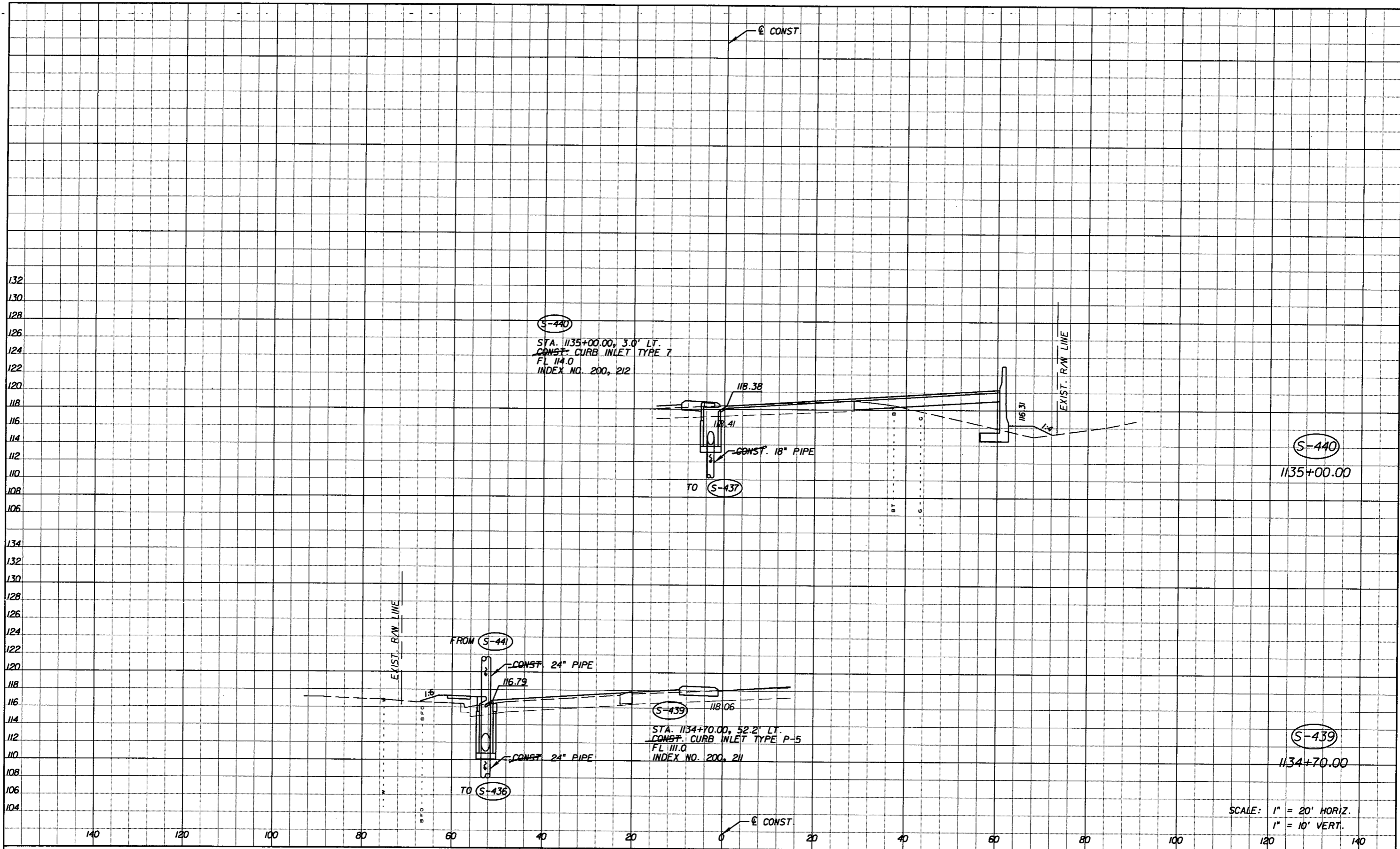
Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (35)**

SHEET NO.  
105

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6165-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

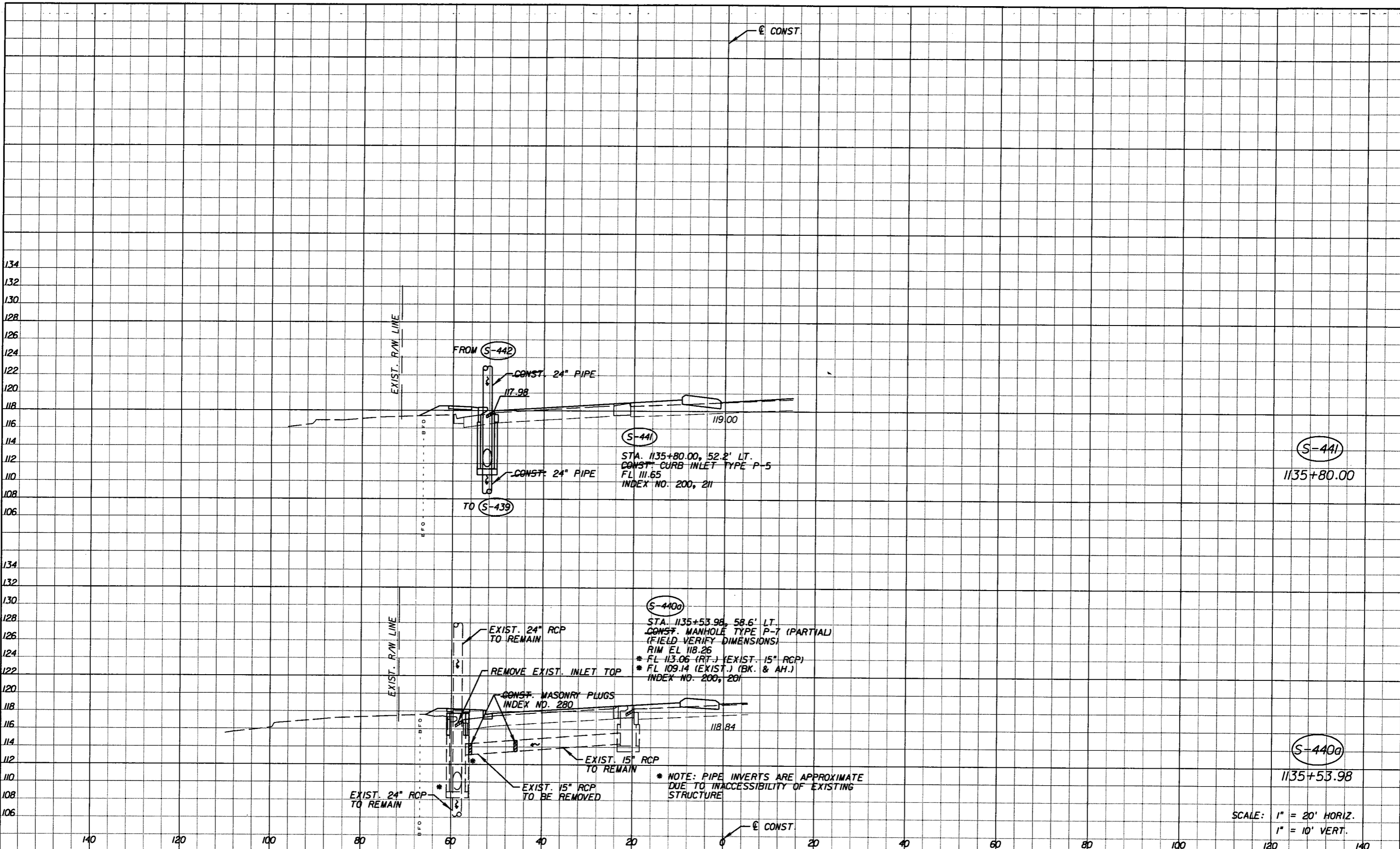
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (36)</b>	SHEET NO. 106
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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

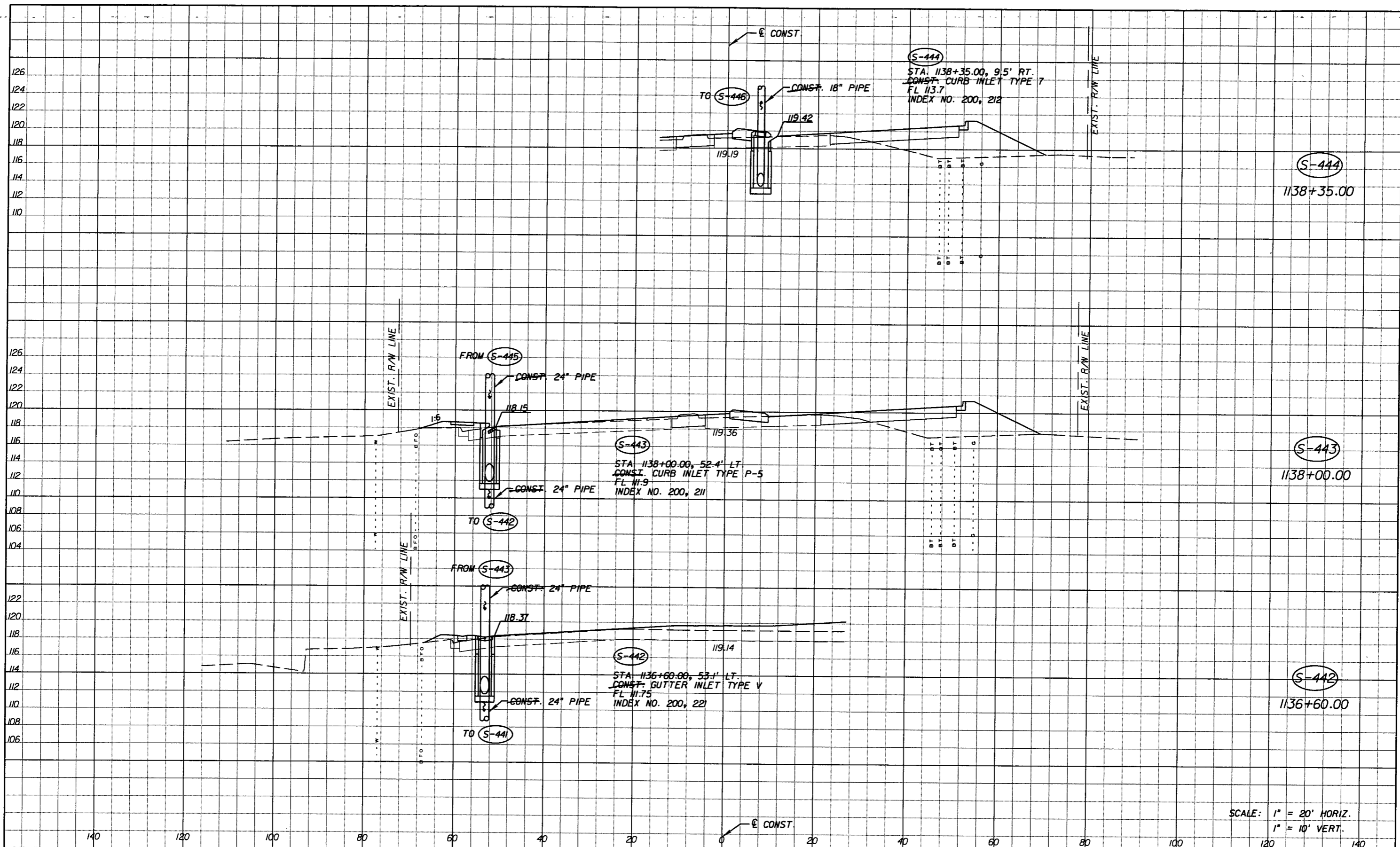
*Faller, Davis & Associates, Inc.*  
 5525 W. GYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (37)**

SHEET NO.  
107

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

DATE		BY	DESCRIPTION	REVISIONS	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	REVISD ENTIRE SHEET DUE TO MEDIAN CHANGES			

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1107  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

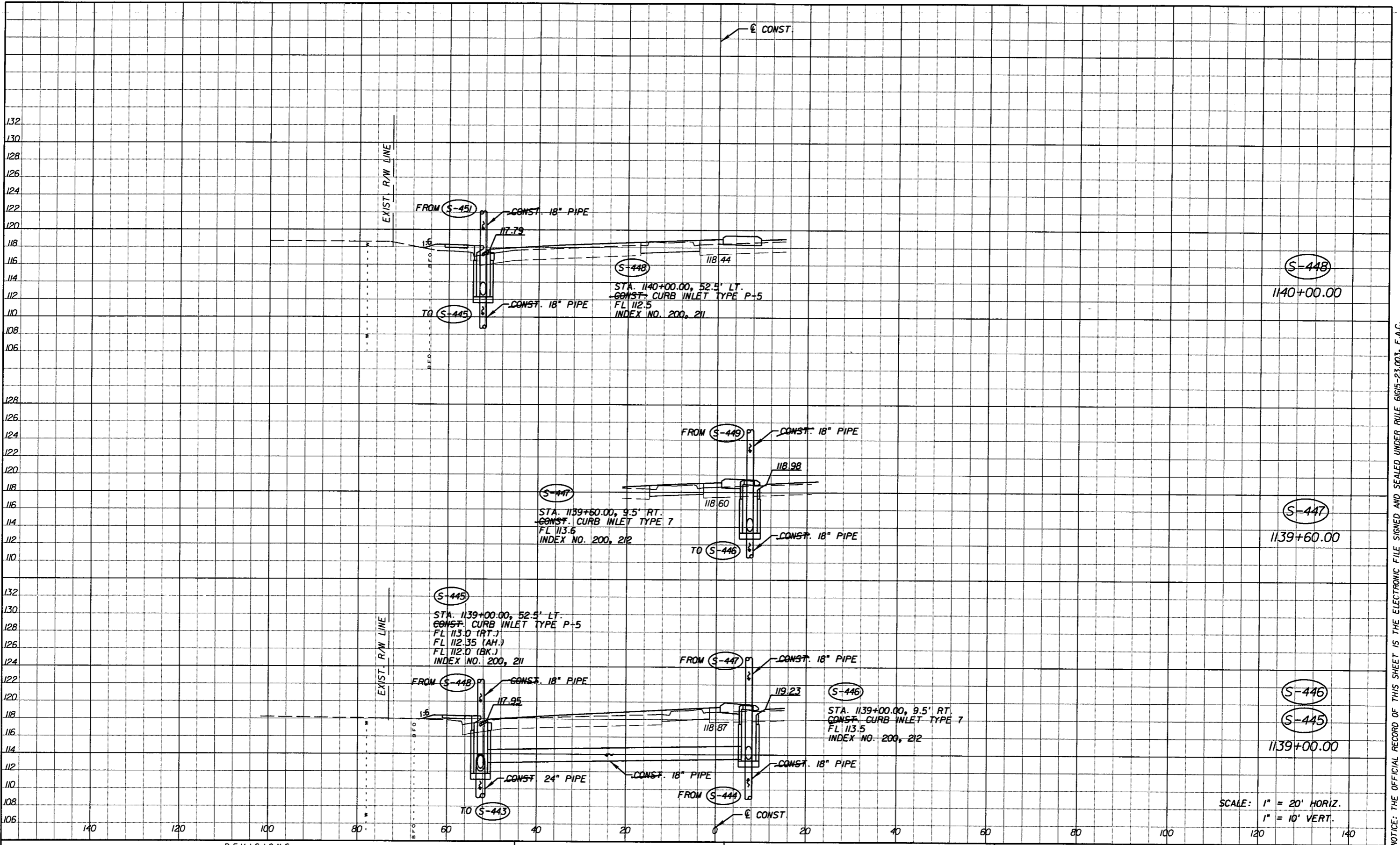
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (38)**

SHEET NO.
108

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6195-23.003, F.A.C.





SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

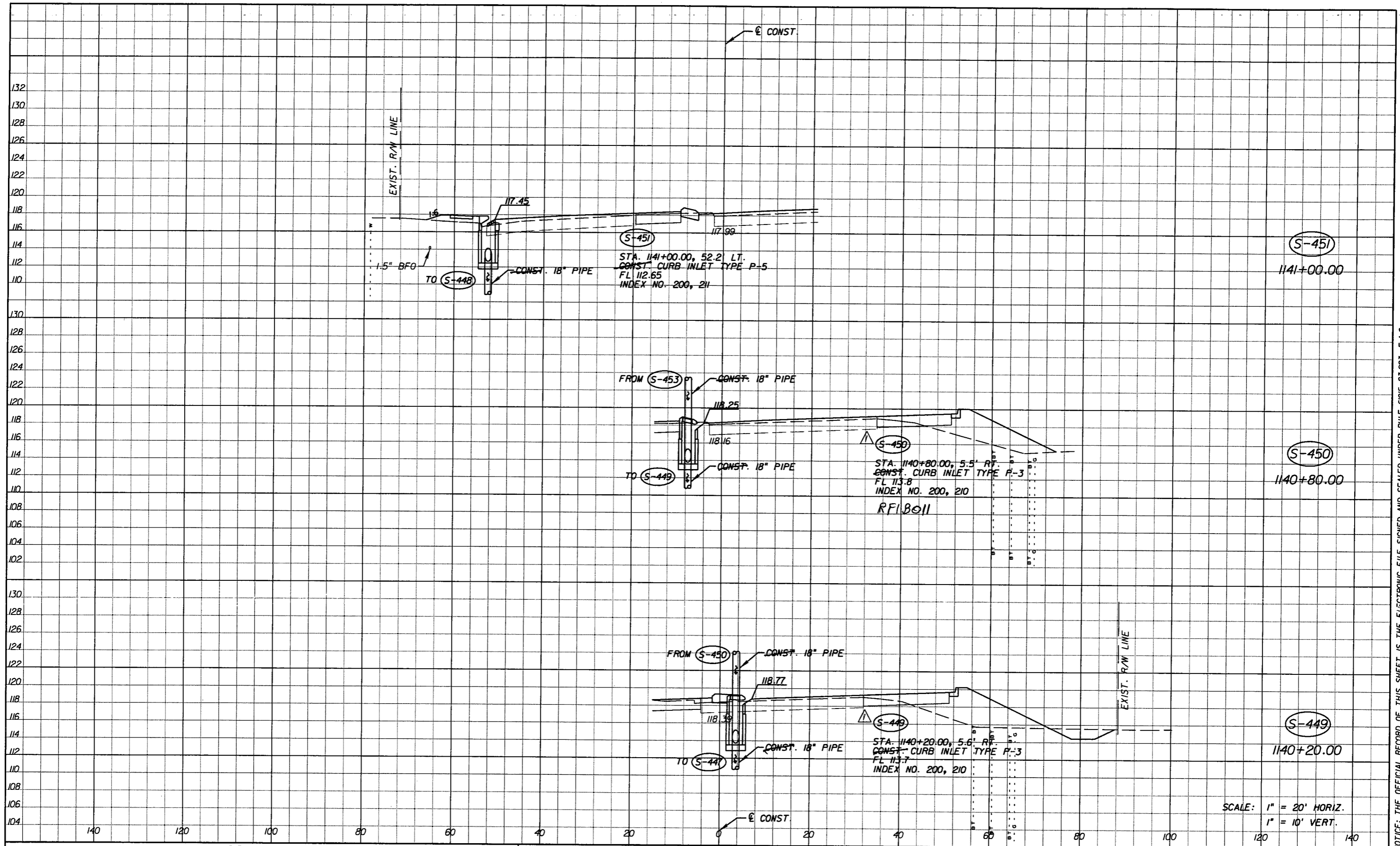
*Faller, Davis & Associates, Inc.*  
5525 W. GYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (39)**

SHEET NO.  
109

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

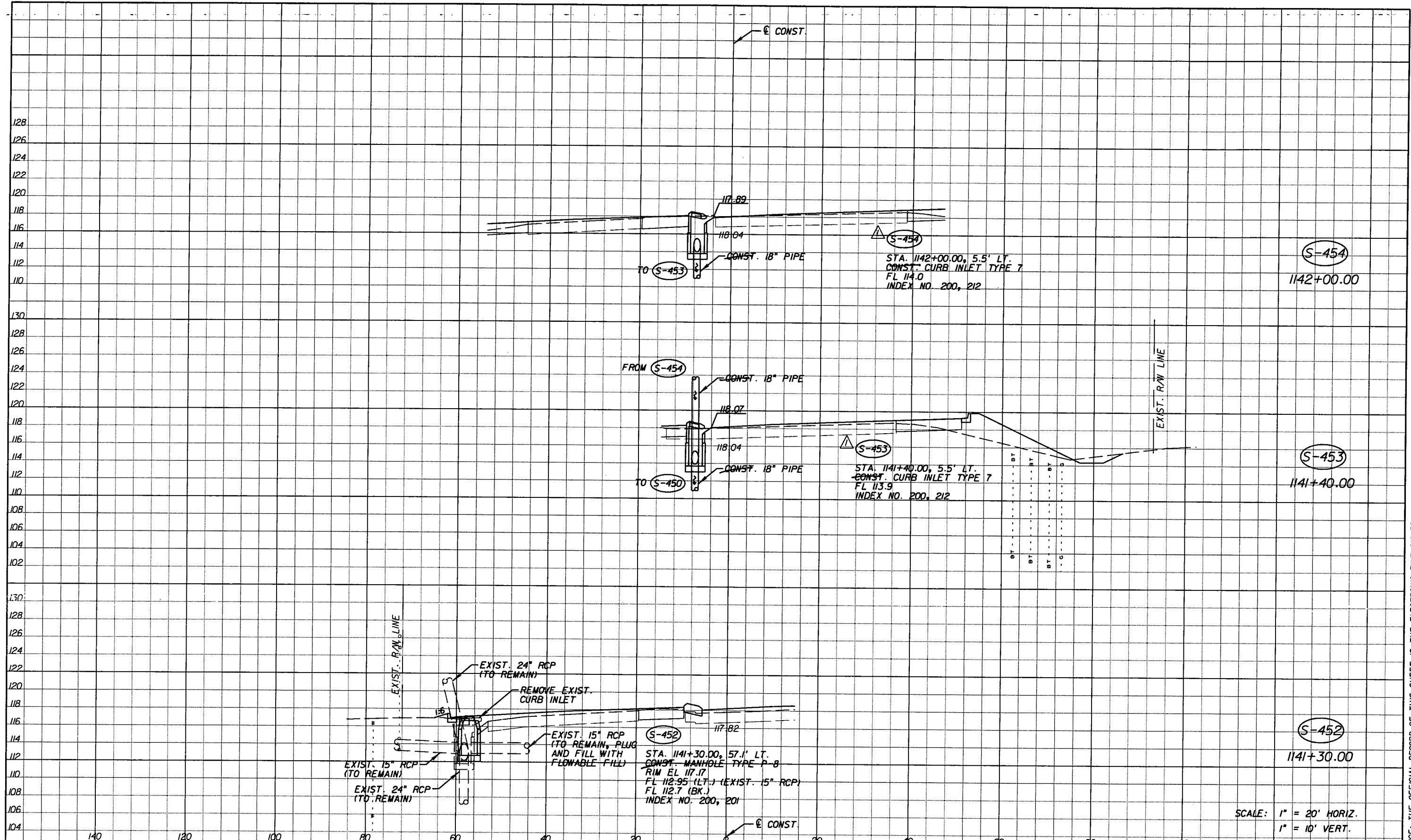
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.			

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (40)</b>		SHEET NO.
		110

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.			

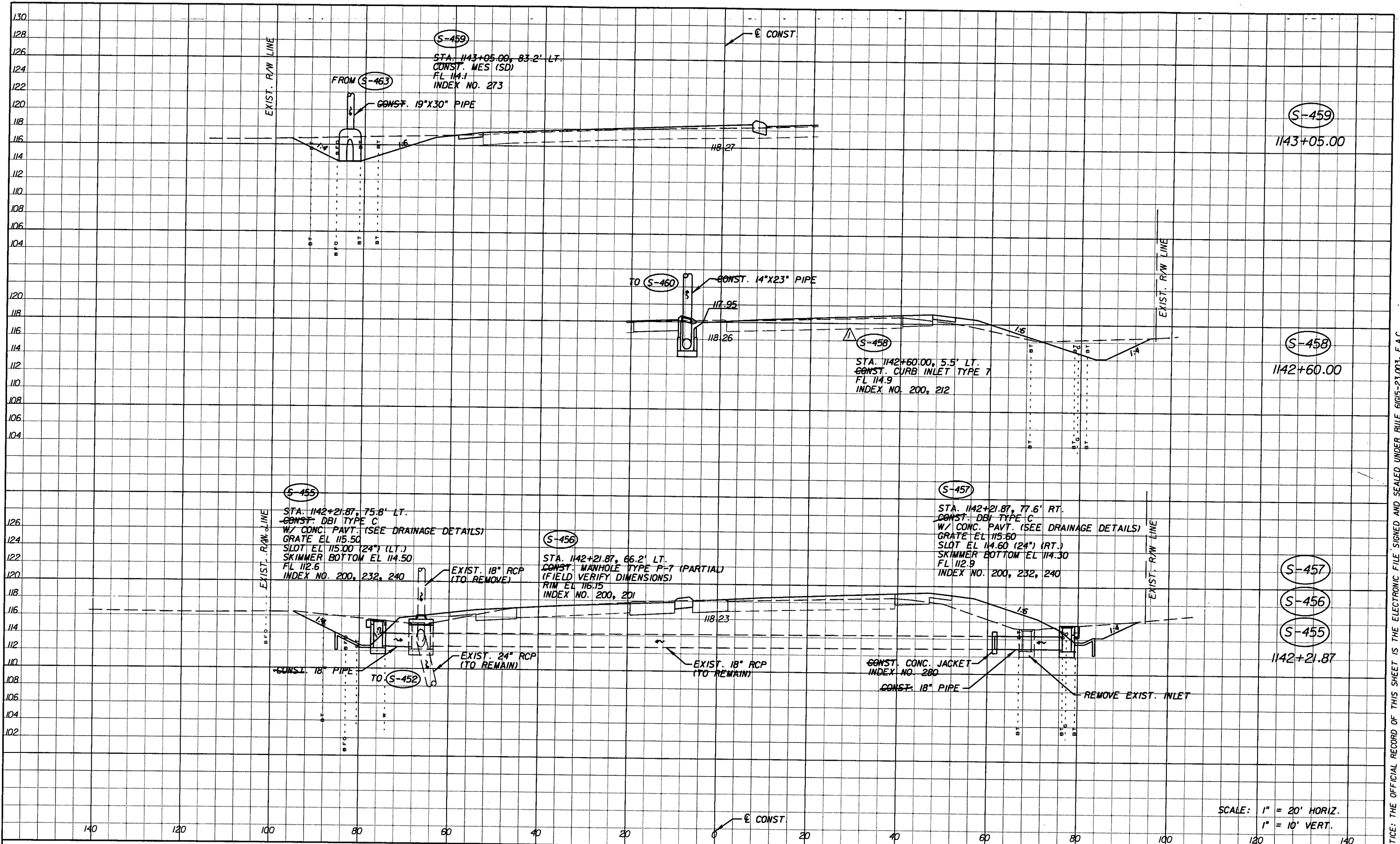
*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (41)**

SHEET NO. III

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

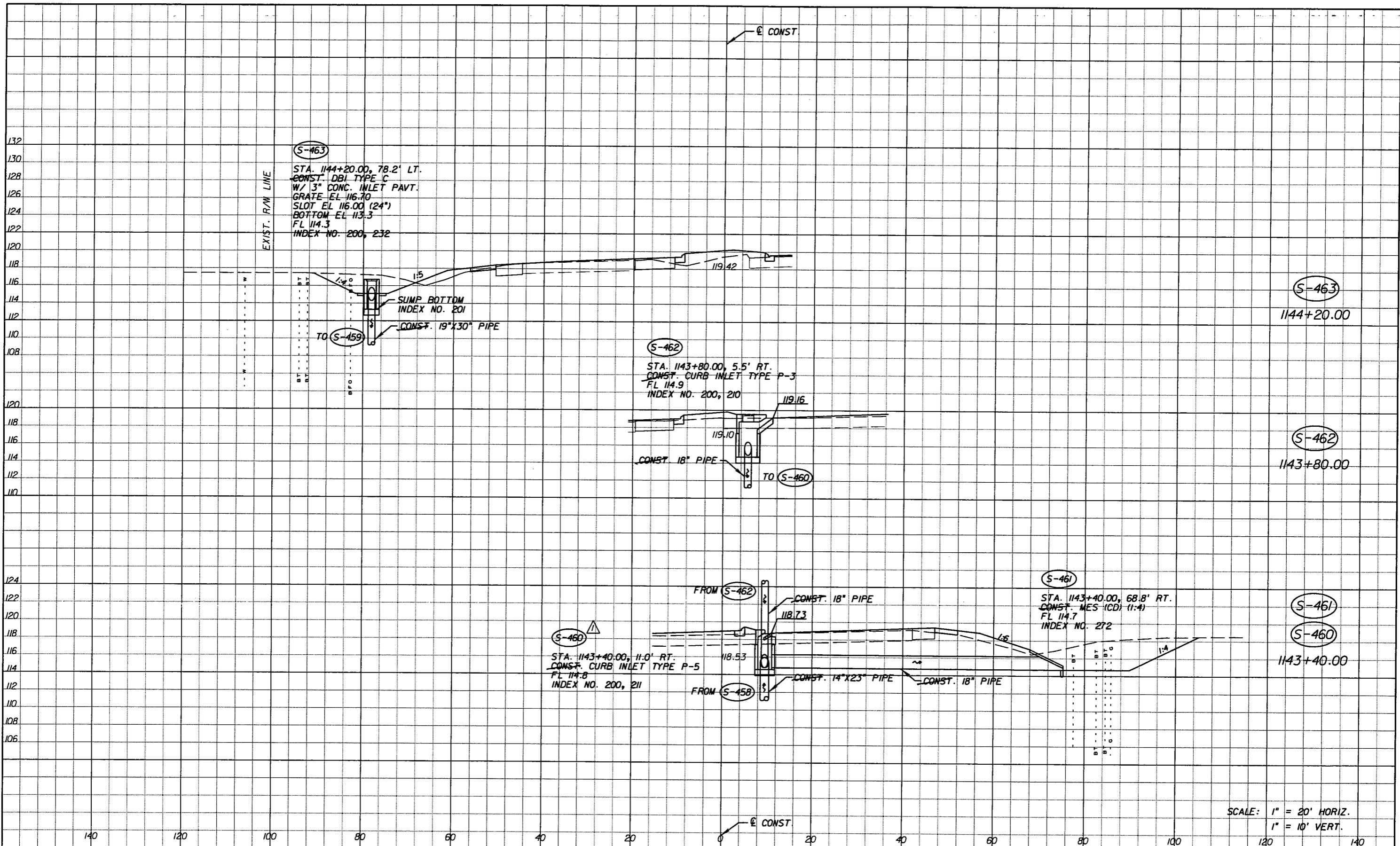
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.			

*Fuller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (42)</b>	SHEET NO. 112
---------------------------------	------------------

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE, SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

DATE		BY	DESCRIPTION	REVISIONS		DATE	BY	DESCRIPTION
5-11-11	DK	DK	△ DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS.					

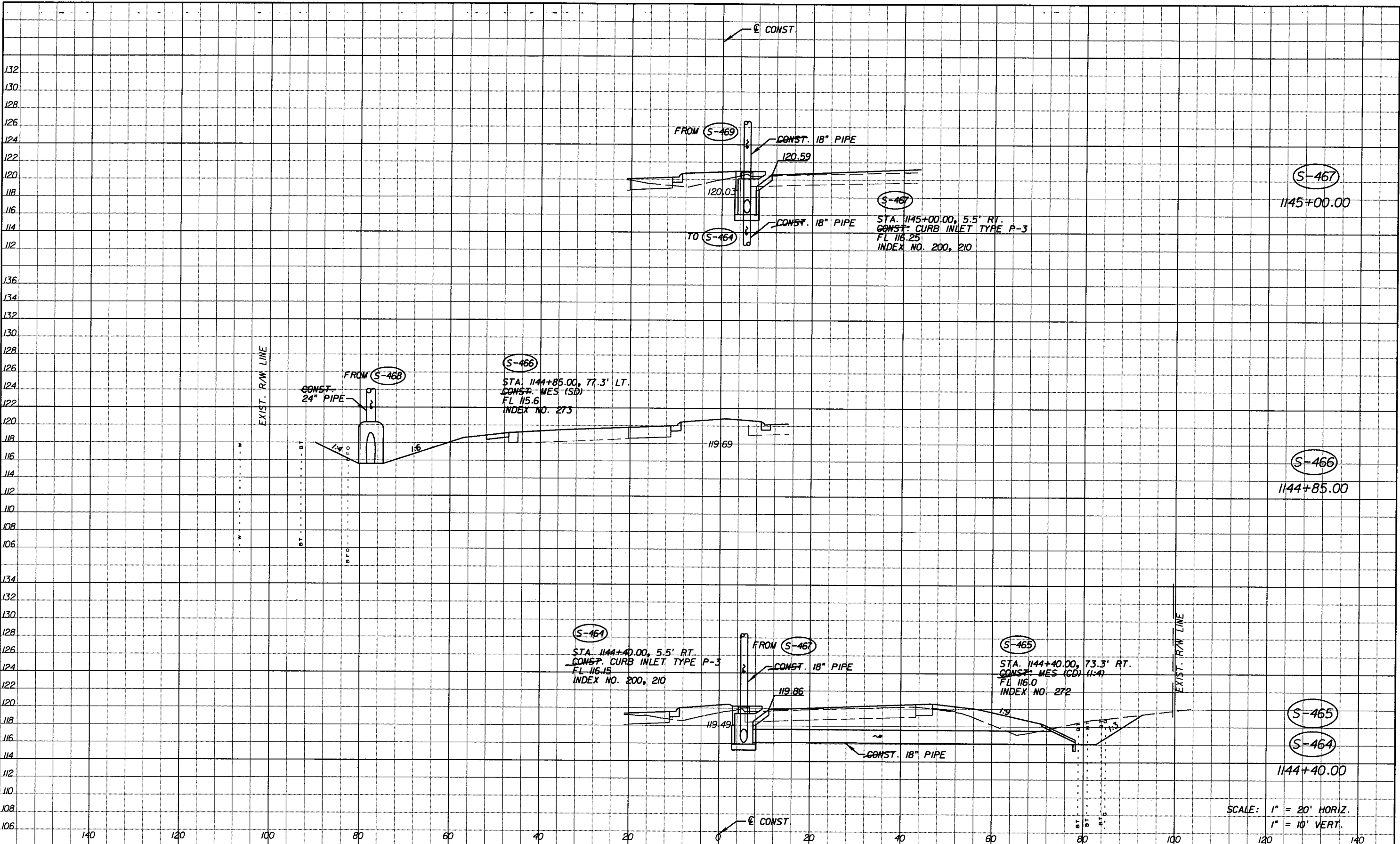
*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (43)**

SHEET NO.  
113

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

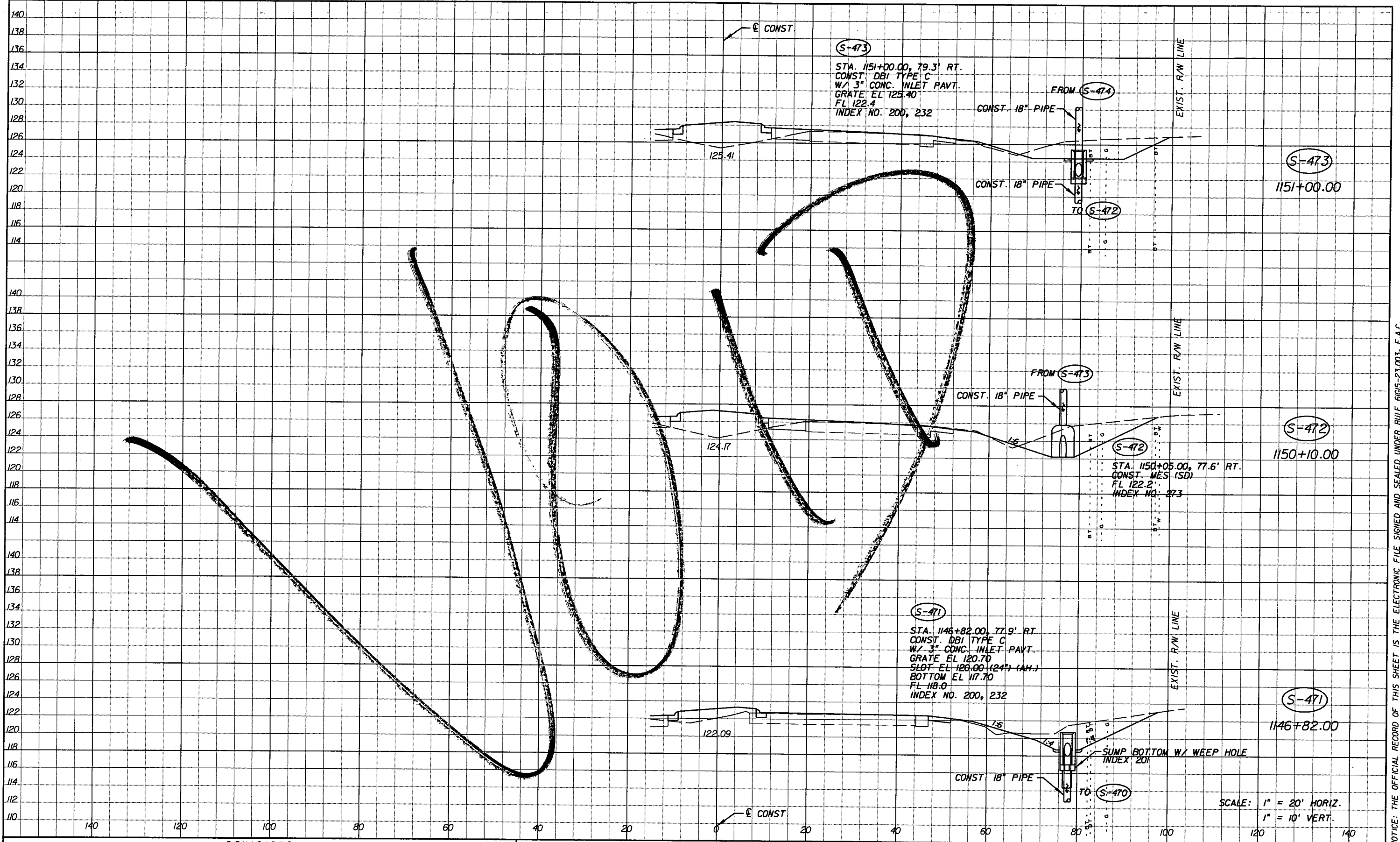
*Fuller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (44)</b>	SHEET NO. 114
---------------------------------	------------------

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6815-23.003, F.A.C.





REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

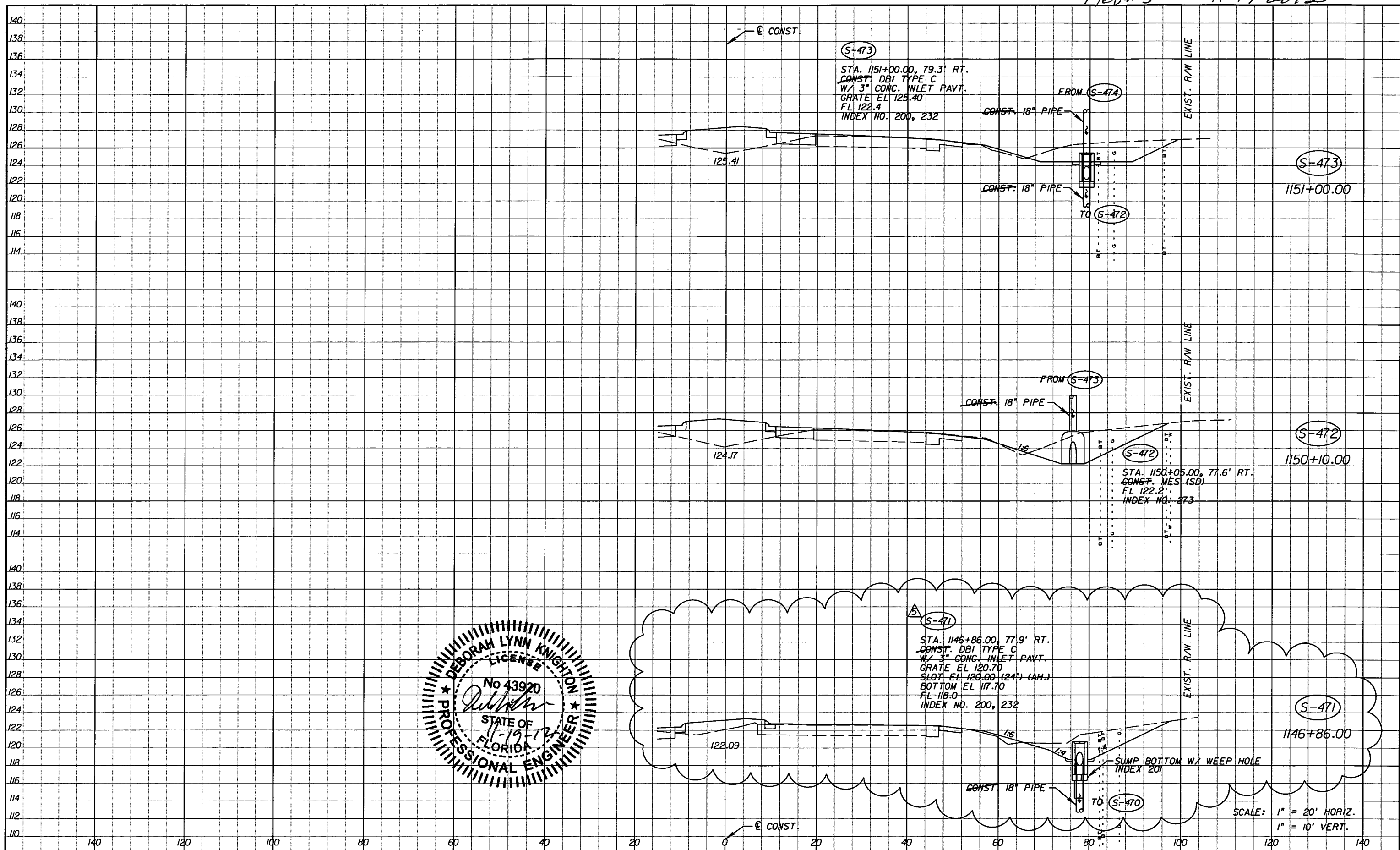
SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

**DRAINAGE STRUCTURES (46)**

SHEET NO.  
116

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6015-23.003, F.A.C.





REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			
11-19-12	DK	△ MOVED S-471 TO ACCOMMODATE REVISED DRIVEWAY			

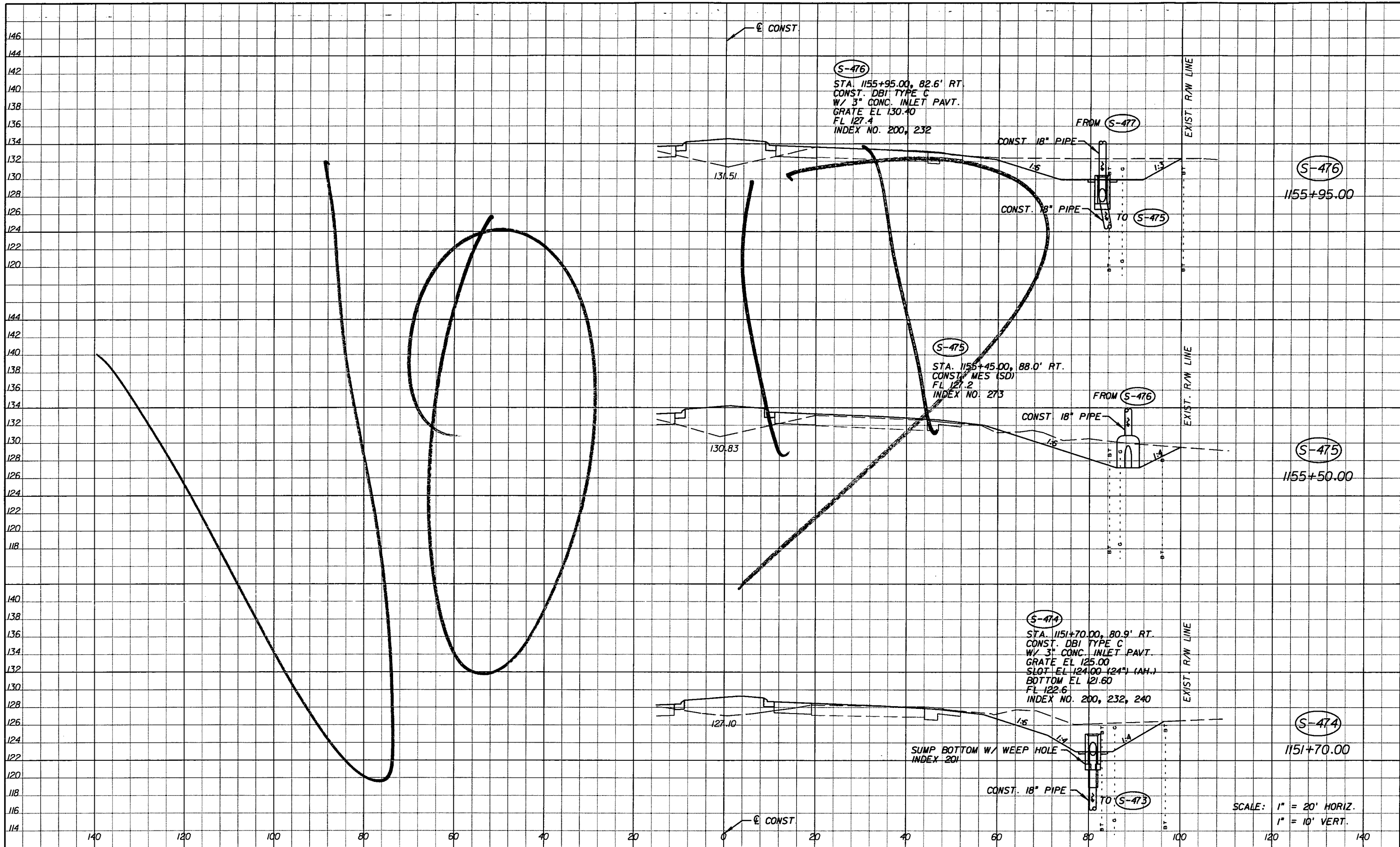
Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (46)**

SHEET NO. 116

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

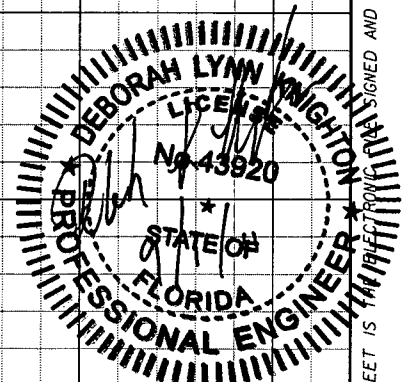
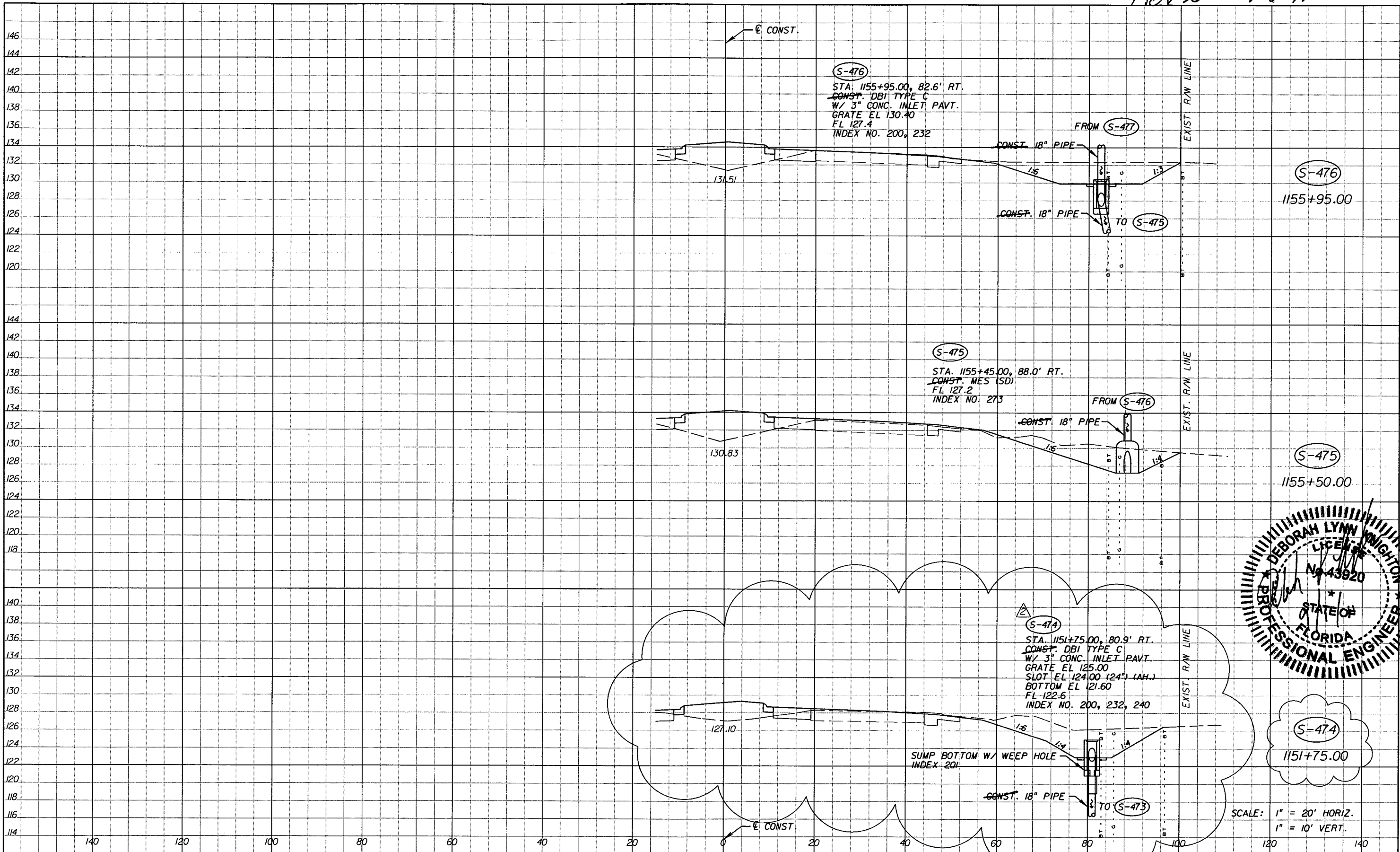
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (47)**

SHEET NO.  
117

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.

Rev 2 9-6-11



S-474  
1151+75.00

SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES	9-6-11	DK	△ RELOCATED S-474

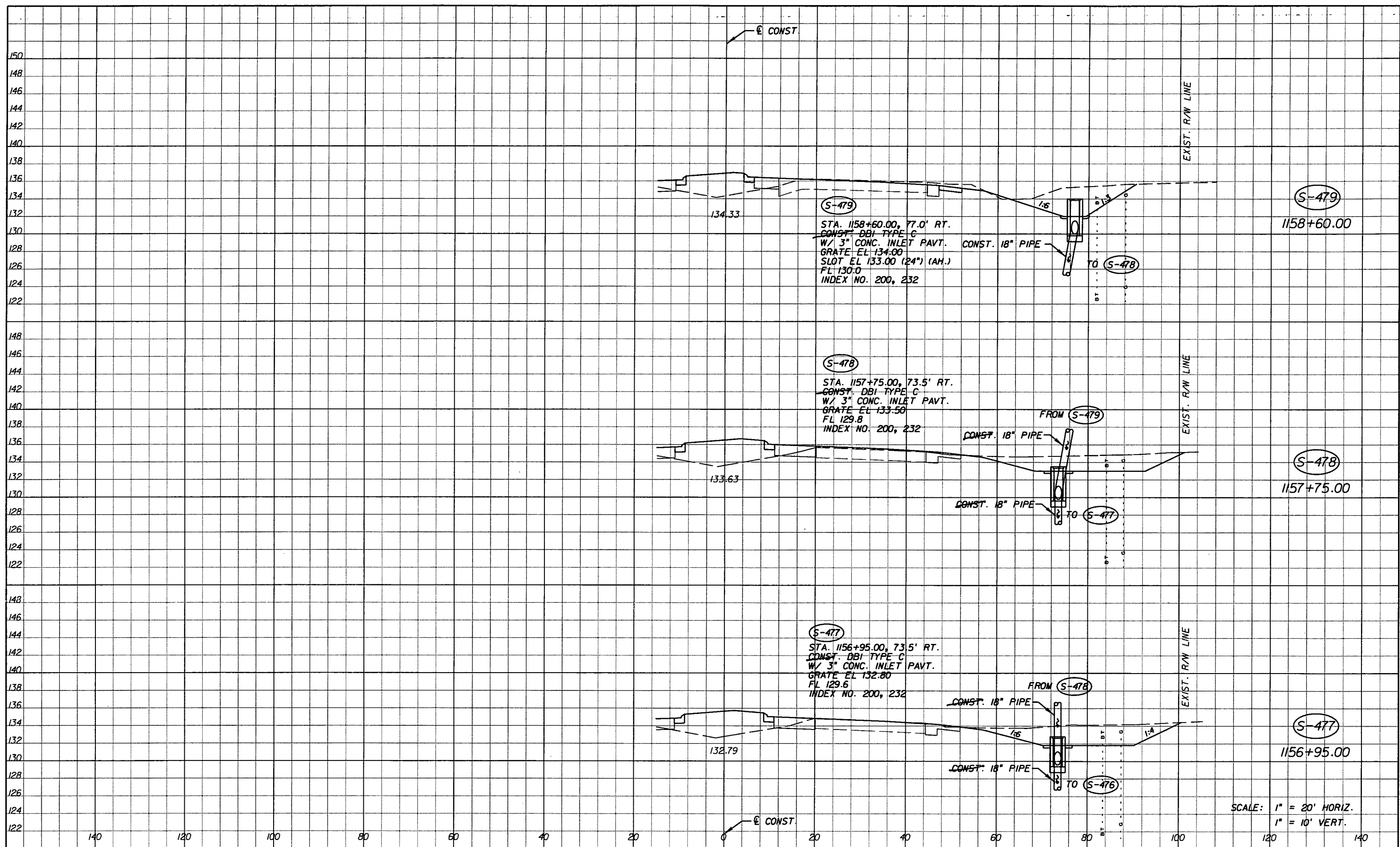
*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (47)**

SHEET NO. 117

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ORIGINAL DRAWING SIGNED AND SEALED UNDER RULE 605-23.003, F.A.C.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	REVISD ENTIRE SHEET DUE TO MEDIAN CHANGES			

*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-7707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

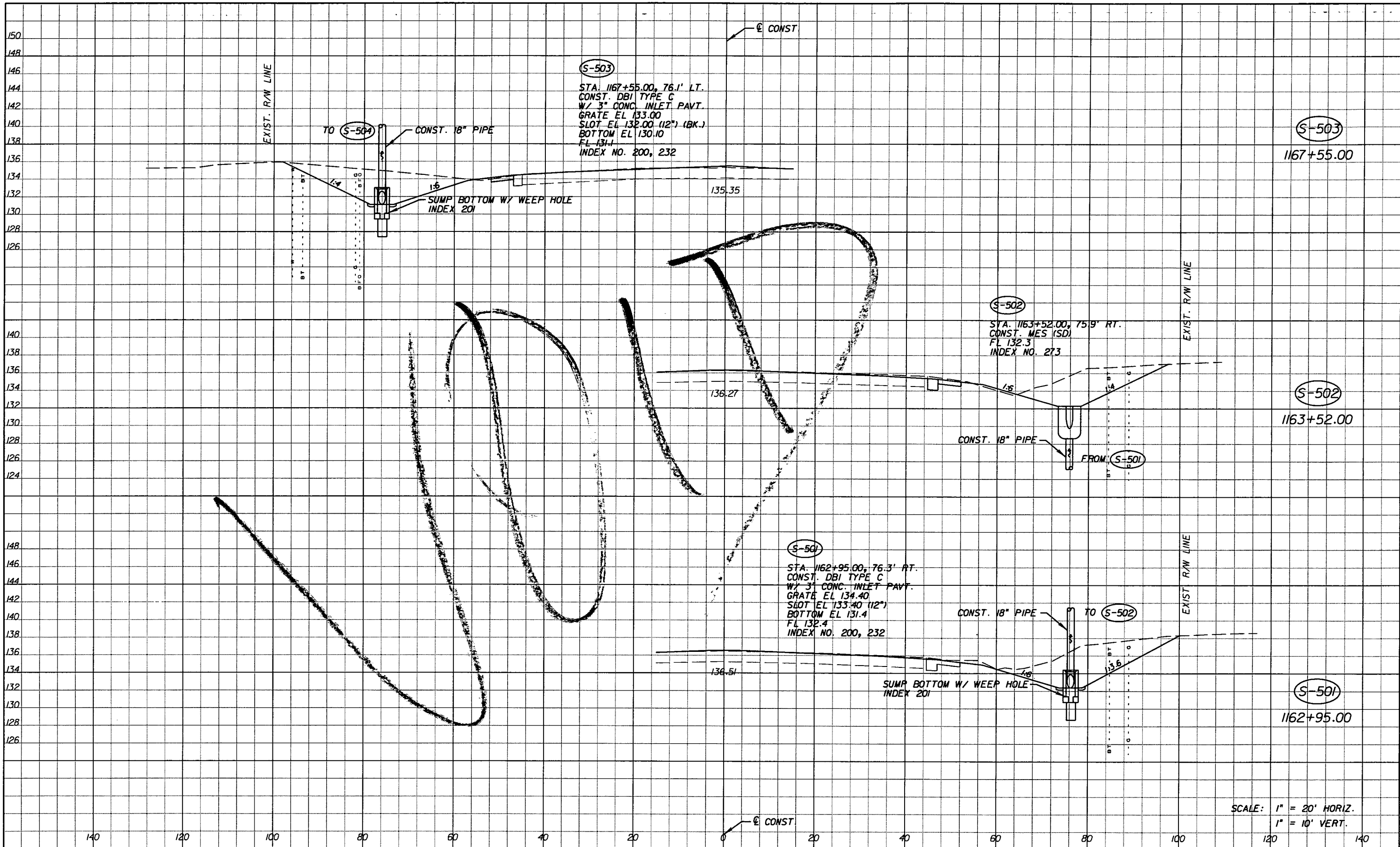
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (48)**

SHEET NO. 118

SCALE: 1" = 20' HORIZ.  
 1" = 10' VERT.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

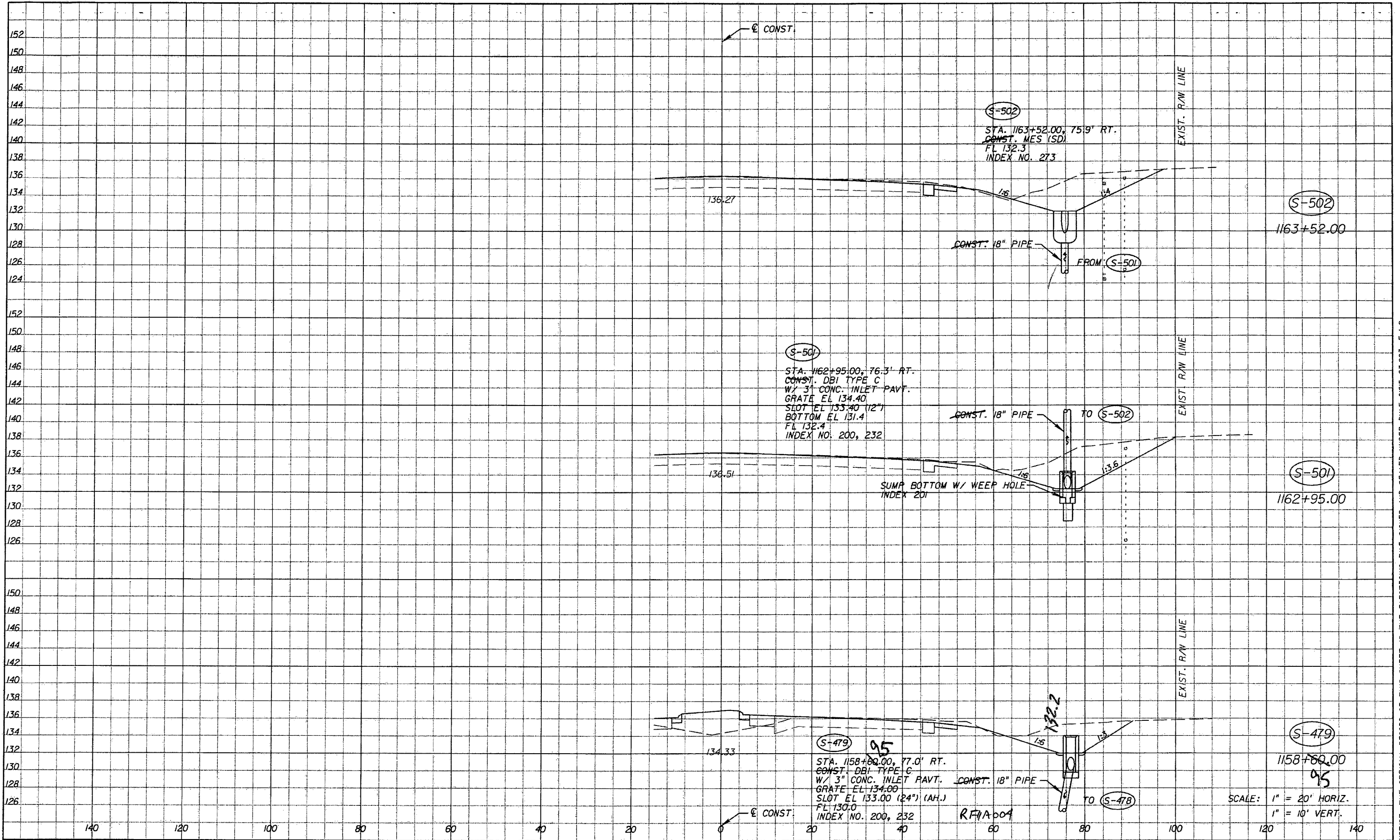
REVISIONS			
DATE	BY	DESCRIPTION	
5-11-11	DK	REVISD ENTIRE SHEET DUE TO MEDIAN CHANGES	

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (49)</b>		SHEET NO. 119
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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

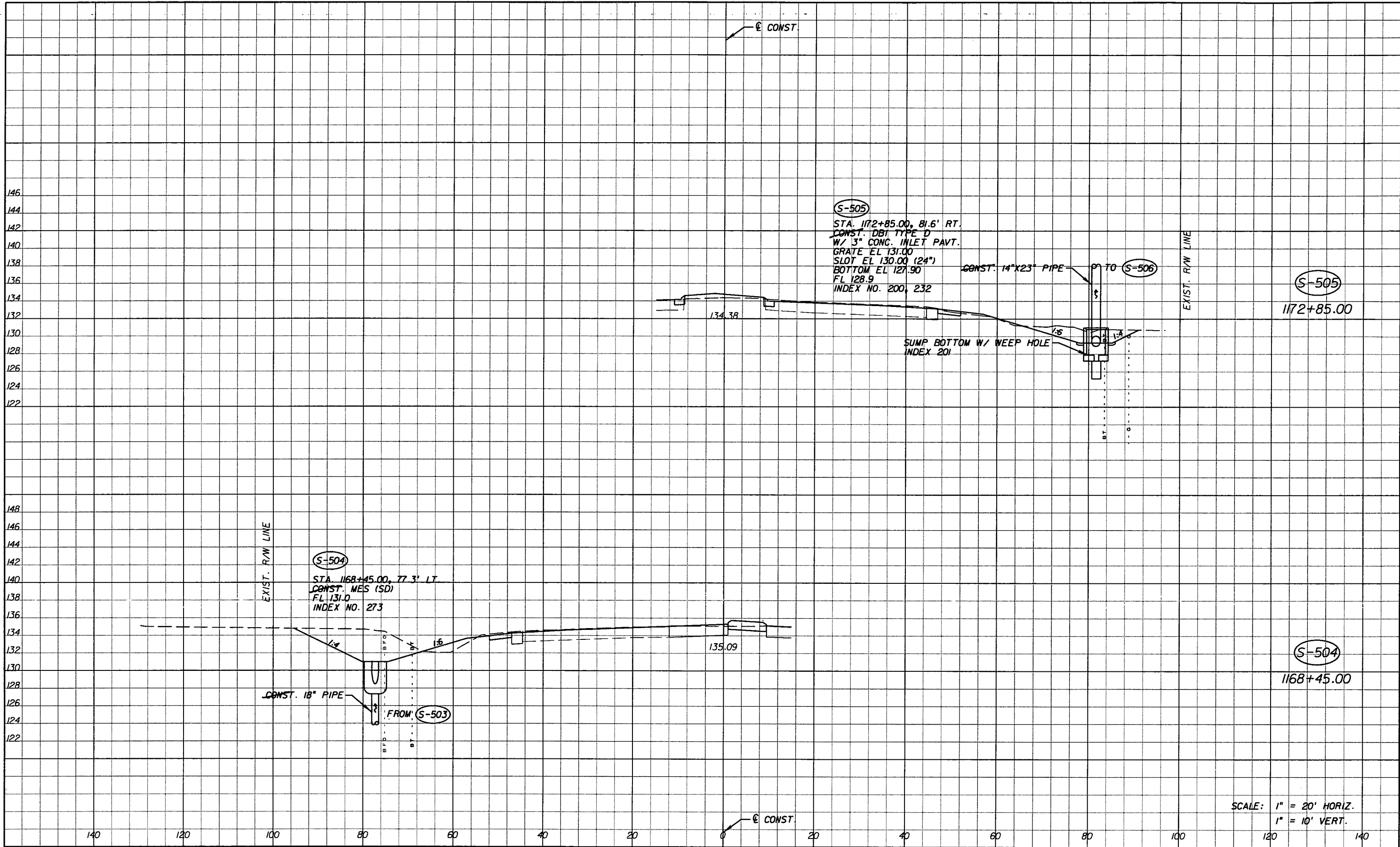
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (49)**

SHEET NO. 119

SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
 1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

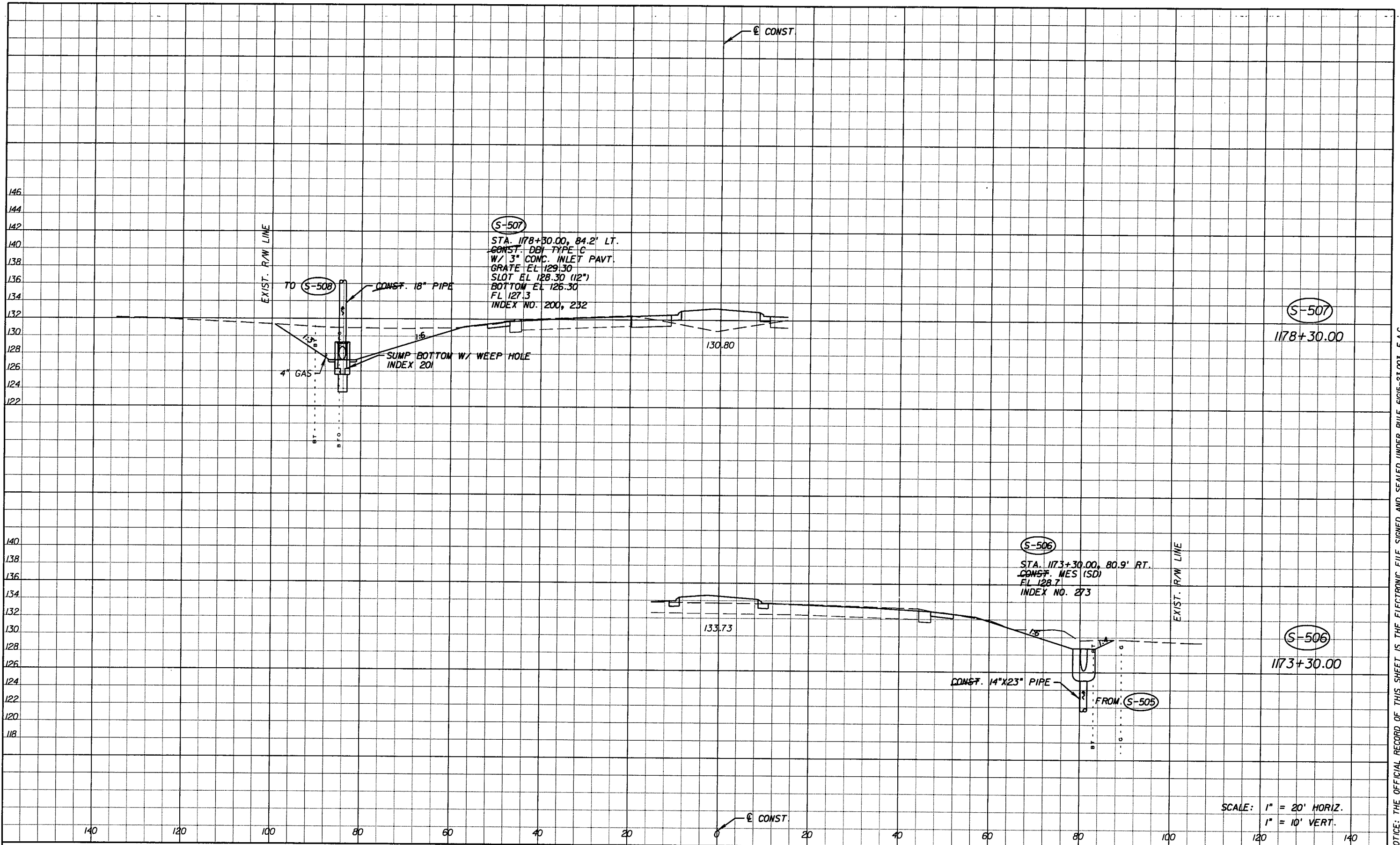
*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (50)**

SHEET NO. 120

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

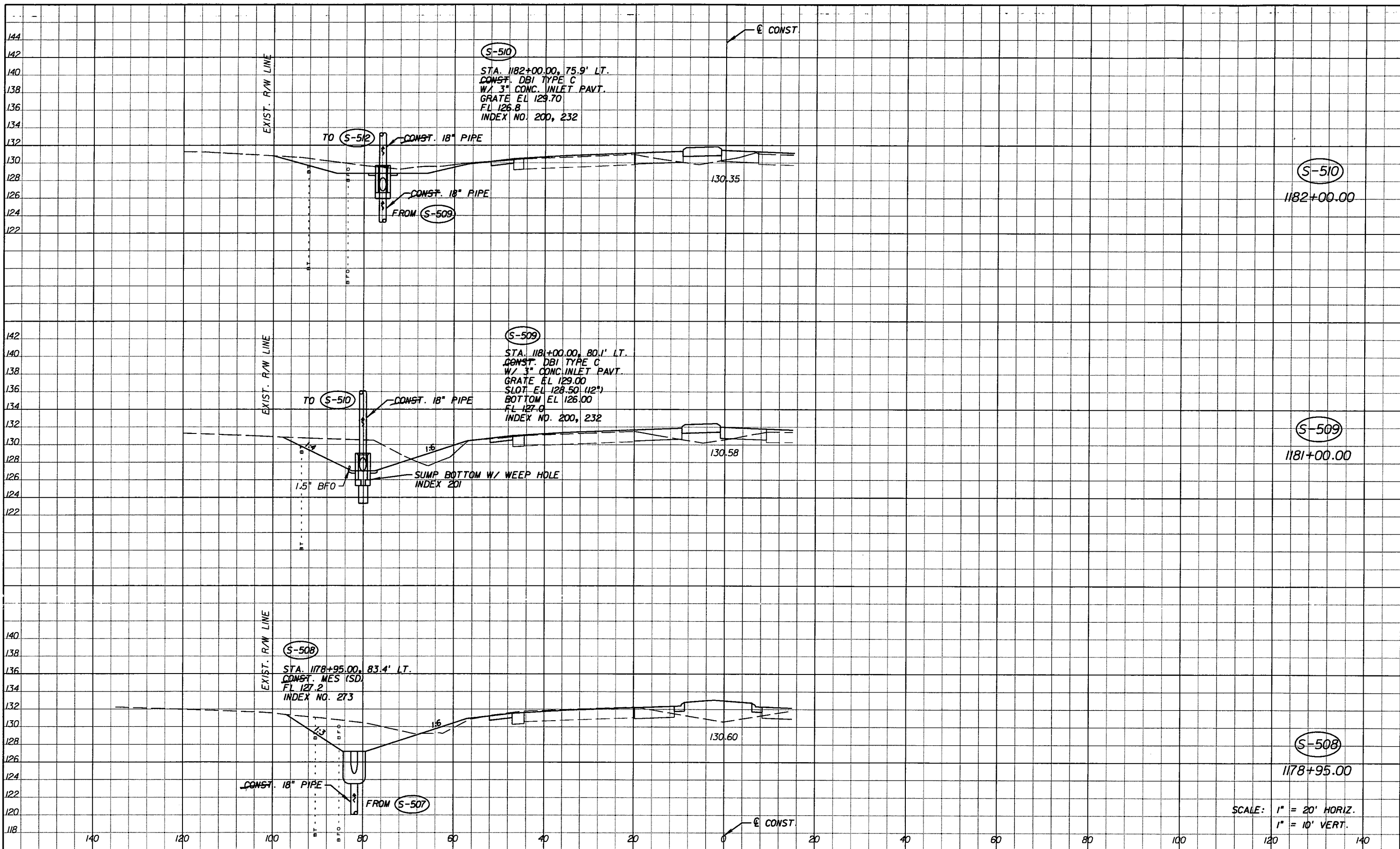
*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (51)</b>		SHEET NO. 121
---------------------------------	--	------------------

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.





SCALE: 1" = 20' HORIZ.  
 1" = 10' VERT.

REVISIONS			
DATE	BY	DESCRIPTION	
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES	

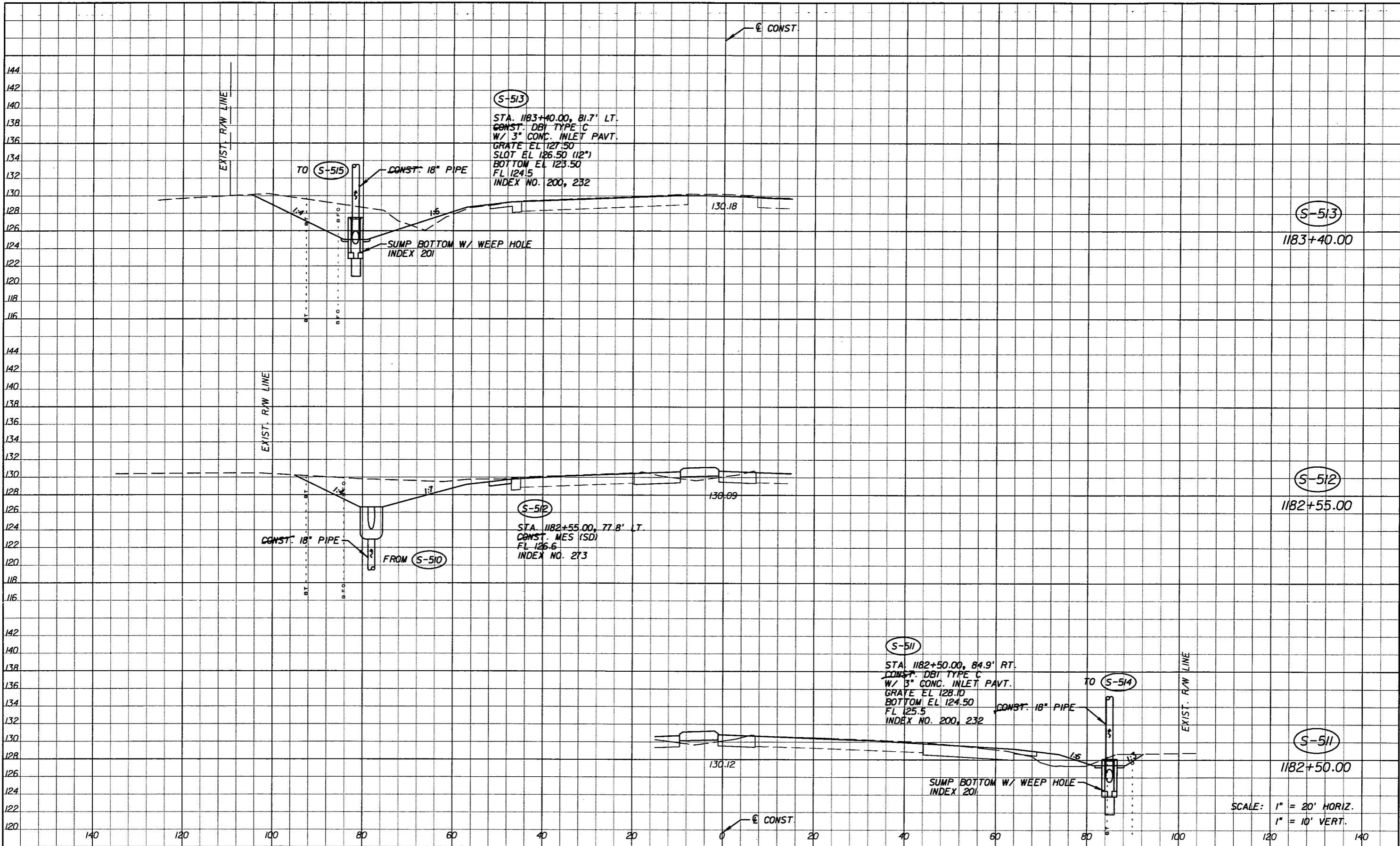
*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (52)**

SHEET NO.  
122

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

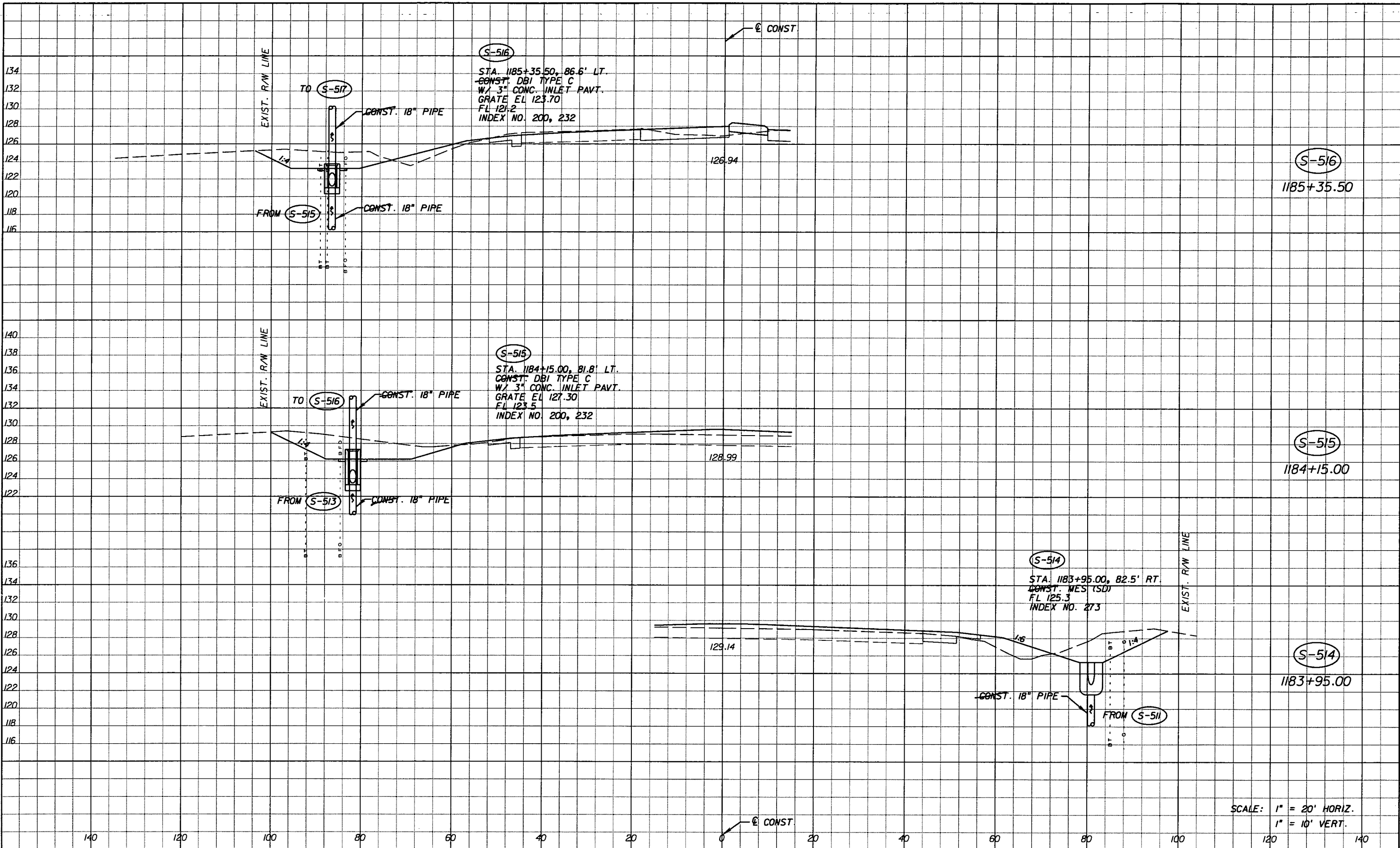
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	REVISD ENTIRE SHEET DUE TO MEDIAN CHANGES			

*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (53)</b>	SHEET NO. 123
---------------------------------	------------------

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

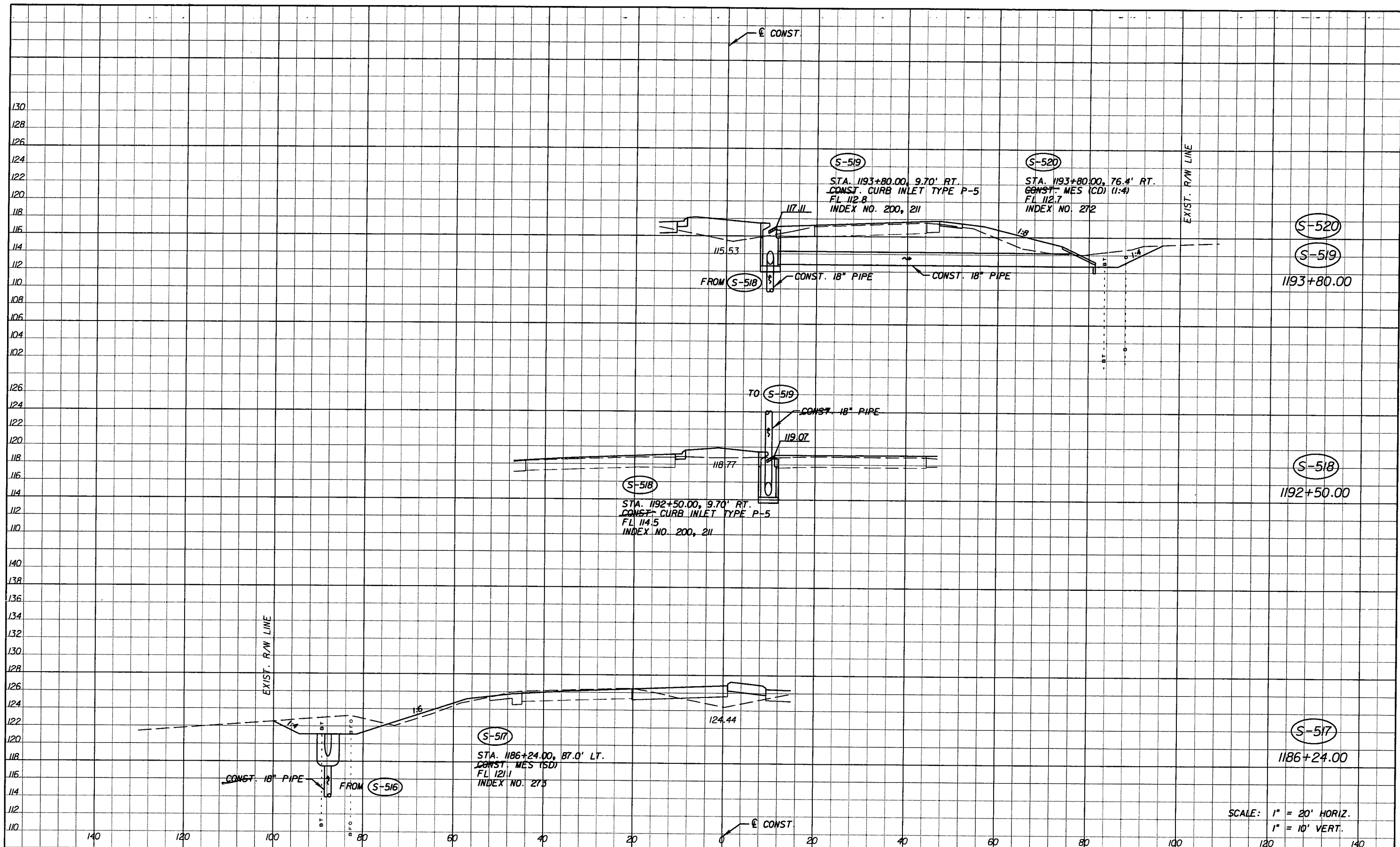
Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (54)**

SHEET NO.  
124

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	REVISD ENTIRE SHEET DUE TO MEDIAN CHANGES			

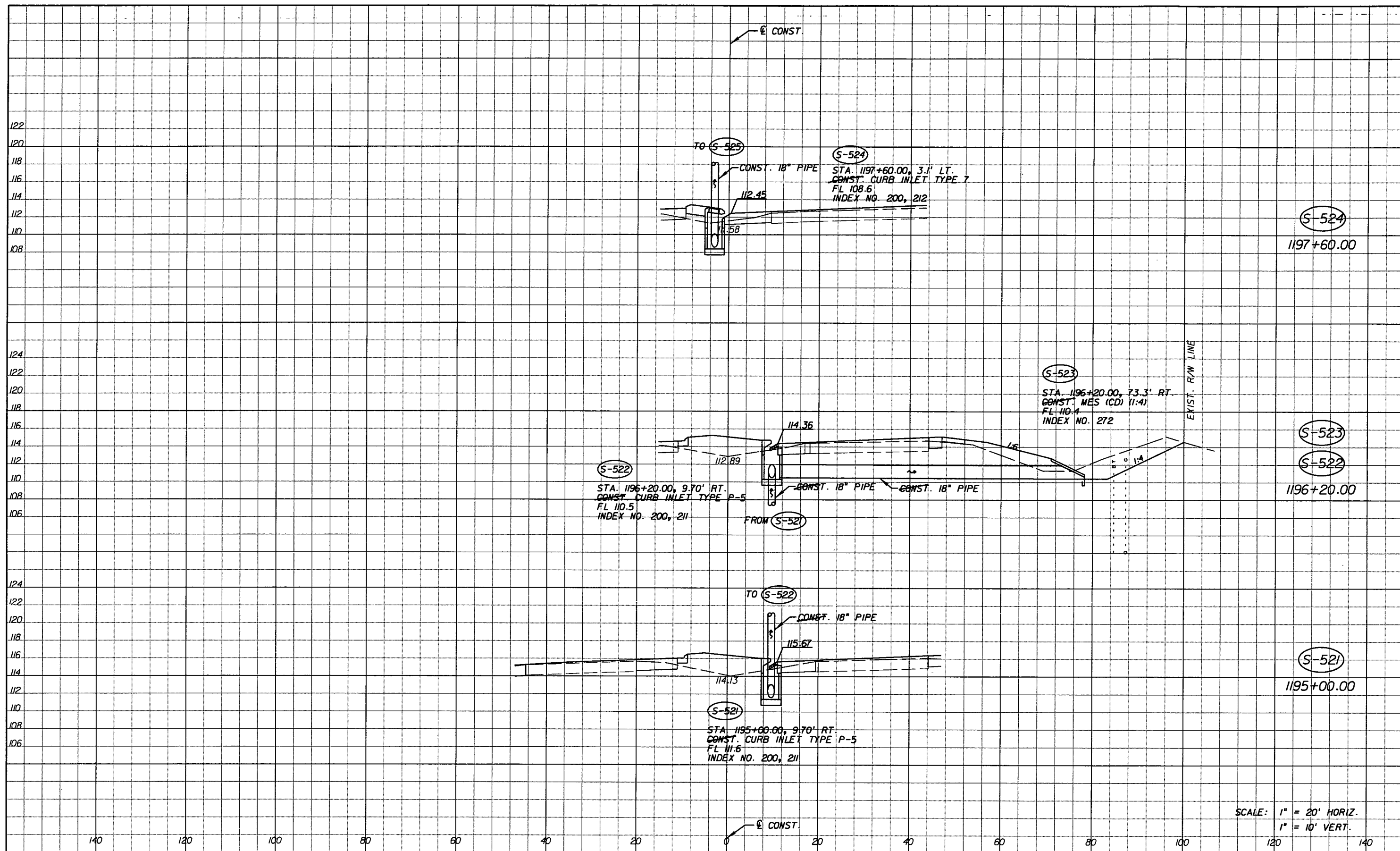
Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (55)**

SHEET NO.  
124A

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

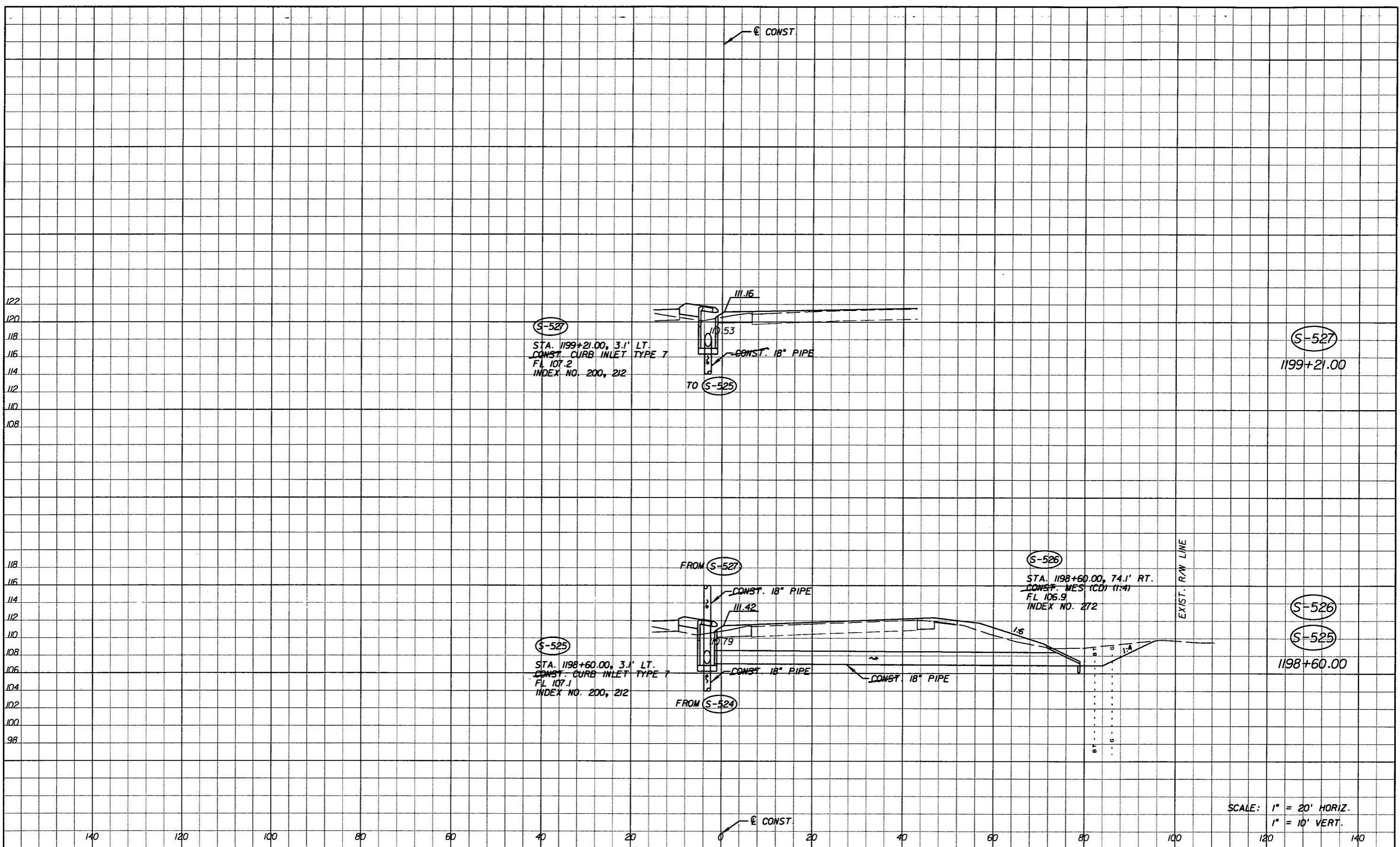
*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (56)**

SHEET NO.  
124B

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.



SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	△ REVISED ENTIRE SHEET DUE TO MEDIAN CHANGES			

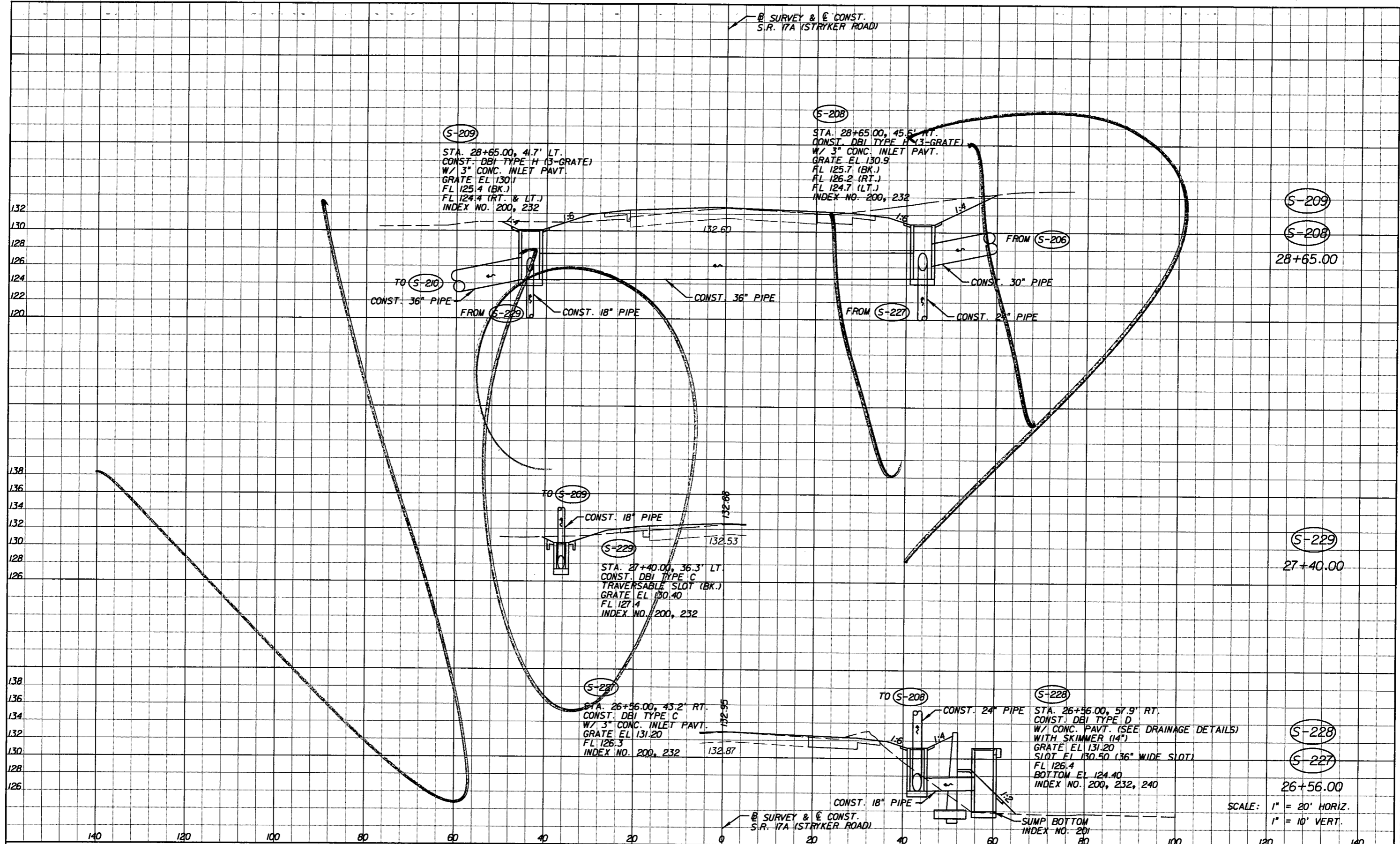
Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (57)</b>	SHEET NO. 124C
---------------------------------	-------------------

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

② SURVEY & ③ CONST.  
S.R. 17A (STRYKER ROAD)



(S-209)  
STA. 28+65.00, 41.7' LT.  
CONST. DBI TYPE H (3-GRATE)  
W/ 3" CONC. INLET PAVT.  
GRATE EL 130.1  
FL 125.4 (BK.)  
FL 124.4 (RT. & LT.)  
INDEX NO. 200, 232

(S-208)  
STA. 28+65.00, 45.5' RT.  
CONST. DBI TYPE H (3-GRATE)  
W/ 3" CONC. INLET PAVT.  
GRATE EL 130.9  
FL 125.7 (BK.)  
FL 126.2 (RT.)  
FL 124.7 (LT.)  
INDEX NO. 200, 232

(S-229)  
STA. 27+40.00, 36.3' LT.  
CONST. DBI TYPE C  
TRAVERSABLE SLOT (BK.)  
GRATE EL 130.40  
FL 127.4  
INDEX NO. 200, 232

(S-227)  
STA. 26+56.00, 43.2' RT.  
CONST. DBI TYPE C  
W/ 3" CONC. INLET PAVT.  
GRATE EL 131.20  
FL 126.3  
INDEX NO. 200, 232

(S-228)  
STA. 26+56.00, 57.9' RT.  
CONST. DBI TYPE D  
W/ CONC. PAVT. (SEE DRAINAGE DETAILS)  
WITH SKIMMER (14")  
GRATE EL 131.20  
SLOT EL 130.50 (36" WIDE SLOT)  
FL 126.4  
BOTTOM EL 124.40  
INDEX NO. 200, 232, 240

(S-209)  
(S-208)  
28+65.00

(S-229)  
27+40.00

(S-228)  
(S-227)  
26+56.00

SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS			
DATE	BY	DESCRIPTION	

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (58)**

SHEET NO.  
124D

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.

Rev 2 9-6-11

ⓑ SURVEY & Ⓒ CONST.  
S.R. 17A (STRYKER ROAD)

(S-208)

STA. 28+65.00, 45.6' RT.  
CONST. DBI TYPE H (3-GRADE)  
W/ 3" CONC. INLET PAVT.  
GRATE EL 130.9  
FL 125.7 (BK.)  
FL 126.2 (RT.)  
FL 124.7 (LT.)  
INDEX NO. 200, 232

(S-209)

STA. 28+65.00, 41.7' LT.  
CONST. DBI TYPE H (3-GRADE)  
W/ 3" CONC. INLET PAVT.  
GRATE EL 130.1  
FL 125.4 (BK.)  
FL 124.4 (RT. & LT.)  
INDEX NO. 200, 232

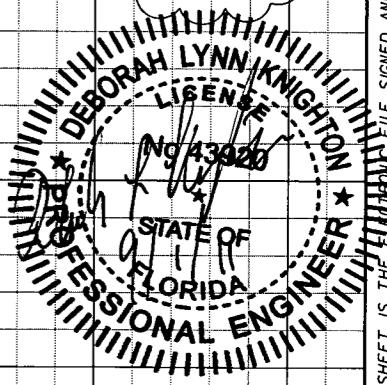
(S-209)

(S-208)

28+65.00

(S-229)

26+15.00



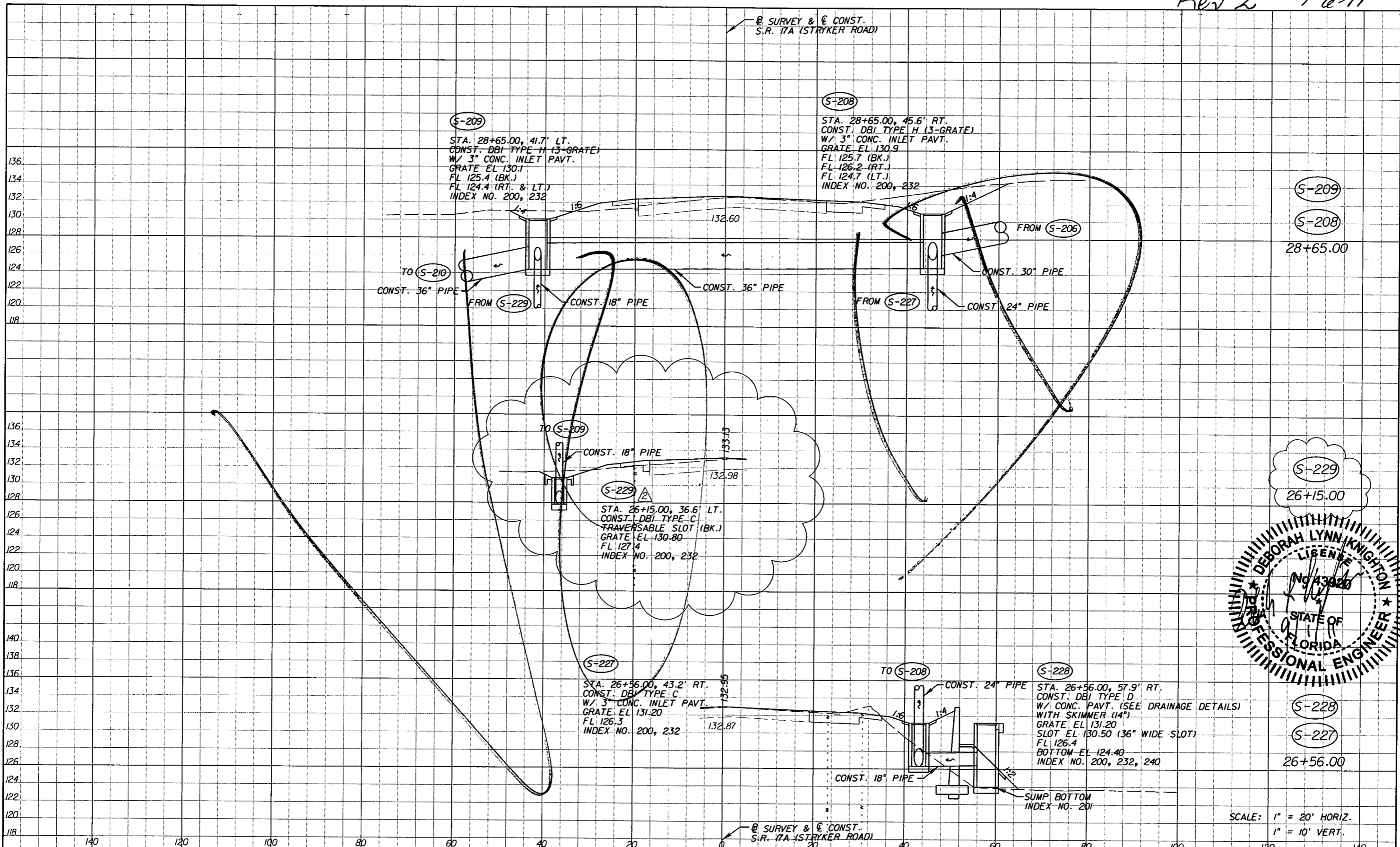
(S-228)

(S-227)

26+56.00

ⓑ SURVEY & Ⓒ CONST.  
S.R. 17A (STRYKER ROAD)

SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.



DATE		BY	DESCRIPTION	REVISIONS		DATE	BY	DESCRIPTION
9-6-11	DK	△	RELOCATED S-229					

*Fuller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (58)**

SHEET NO.  
124D

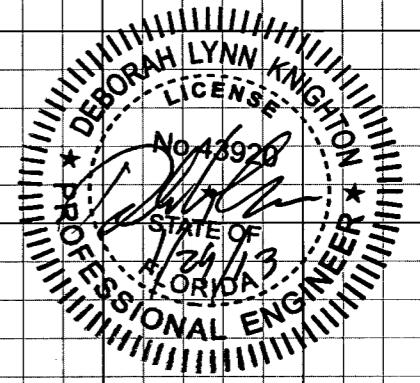
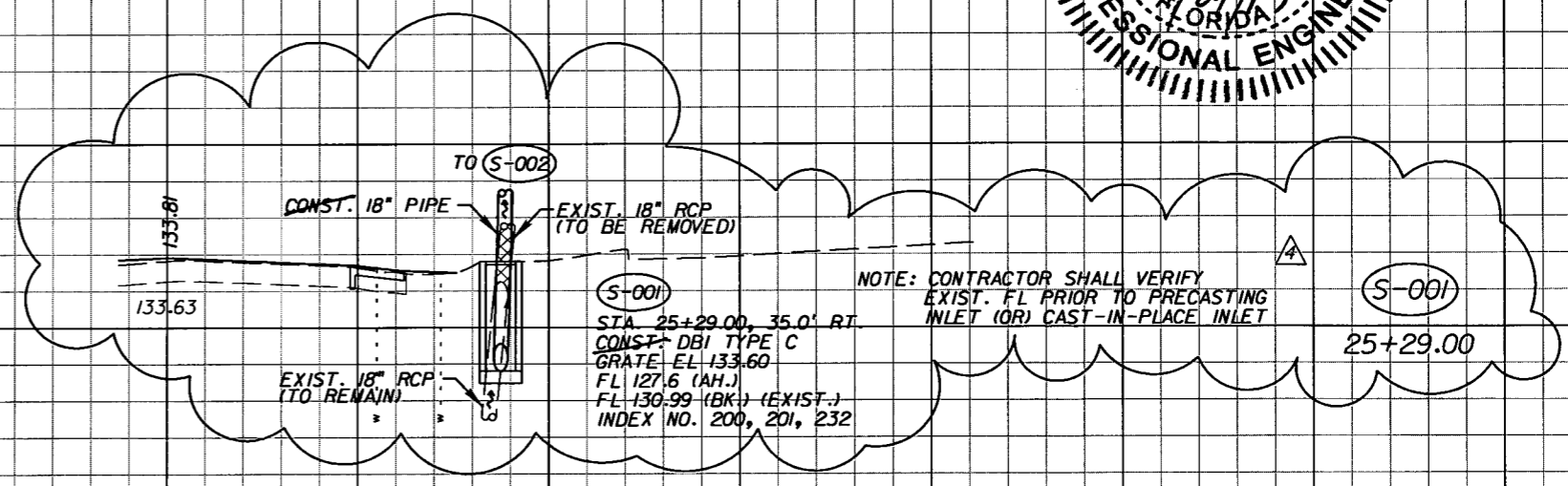
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G05-23.003, F.A.C.



Revision 4 1-29-13

SURVEY & CONST.  
S.R. 17A (STRYKER ROAD)

136  
134  
132  
130  
128  
126  
124  
122  
120



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

SURVEY & CONST.  
S.R. 17A (STRYKER ROAD)

SCALE: 1" = 20' HORIZ.  
1" = 10' VERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01-29-13	DK	△ ADDED S-001			

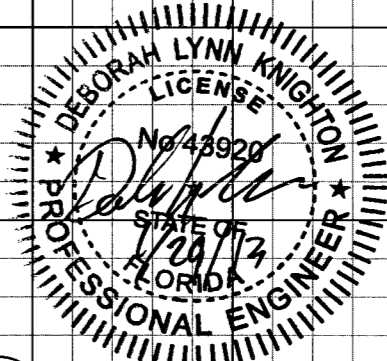
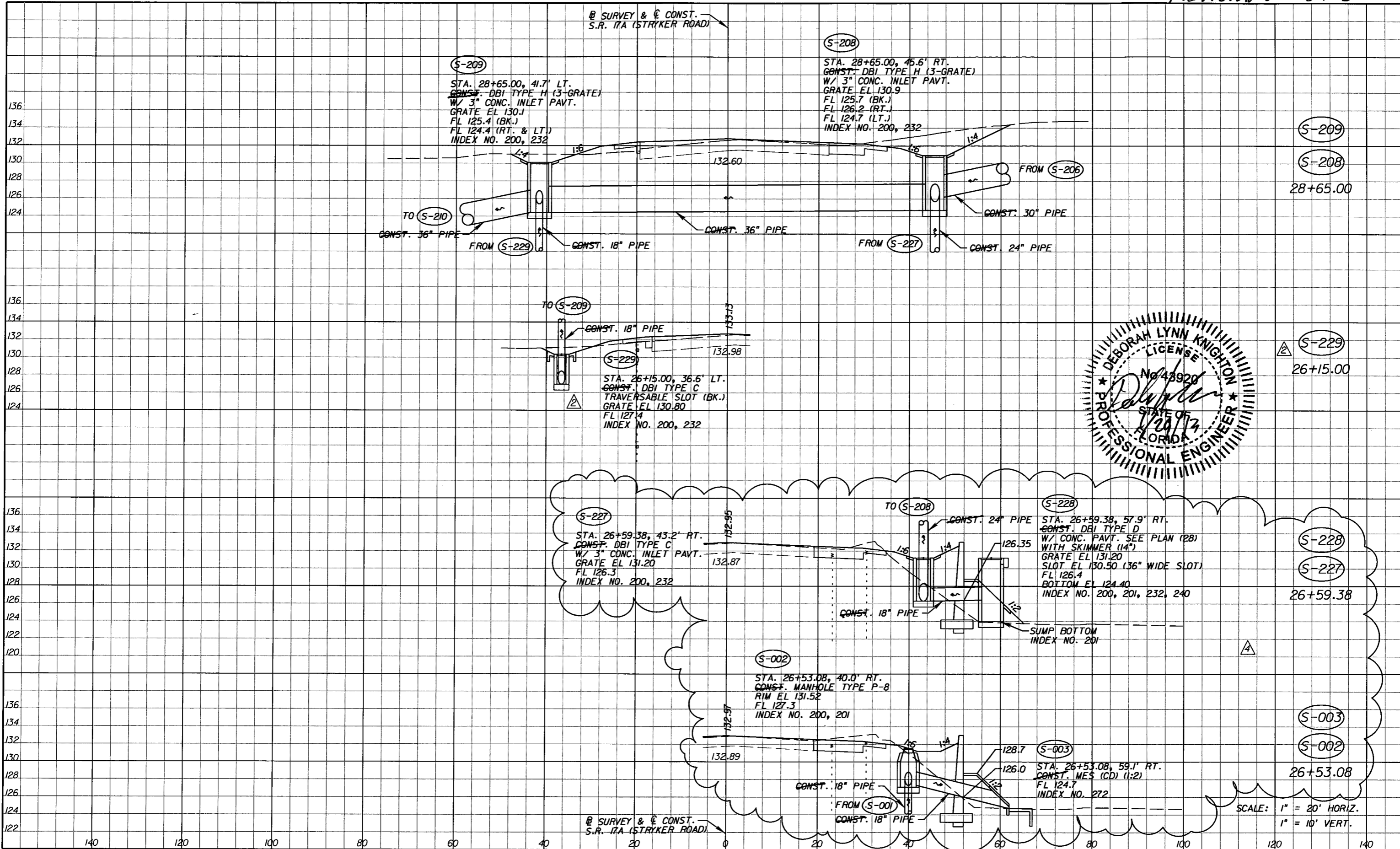
*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE STRUCTURES (58)**

SHEET NO.  
124D

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



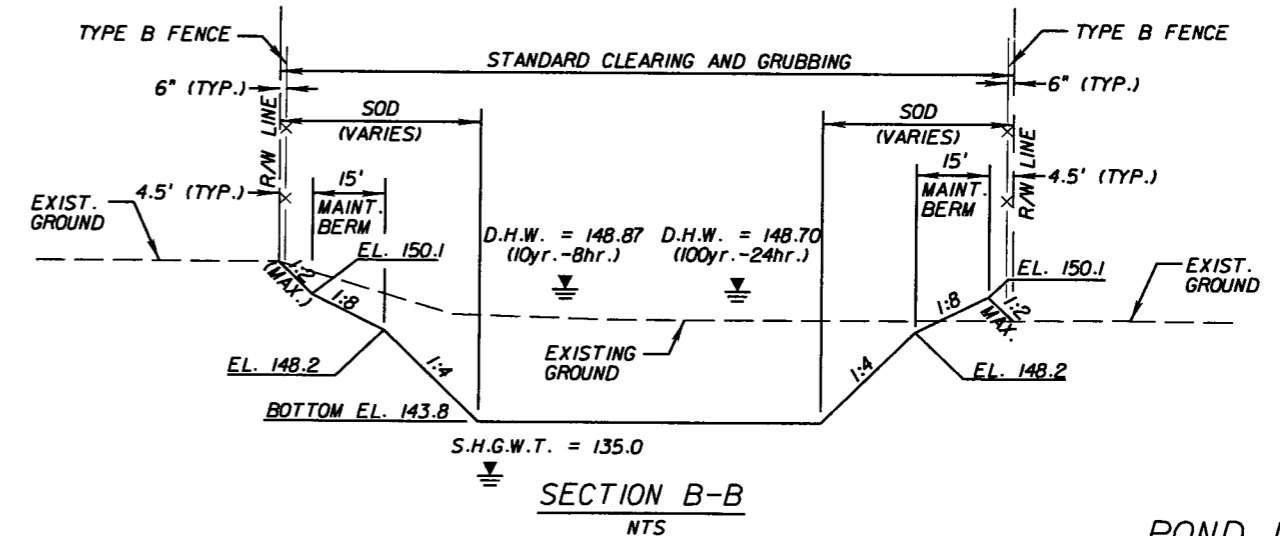
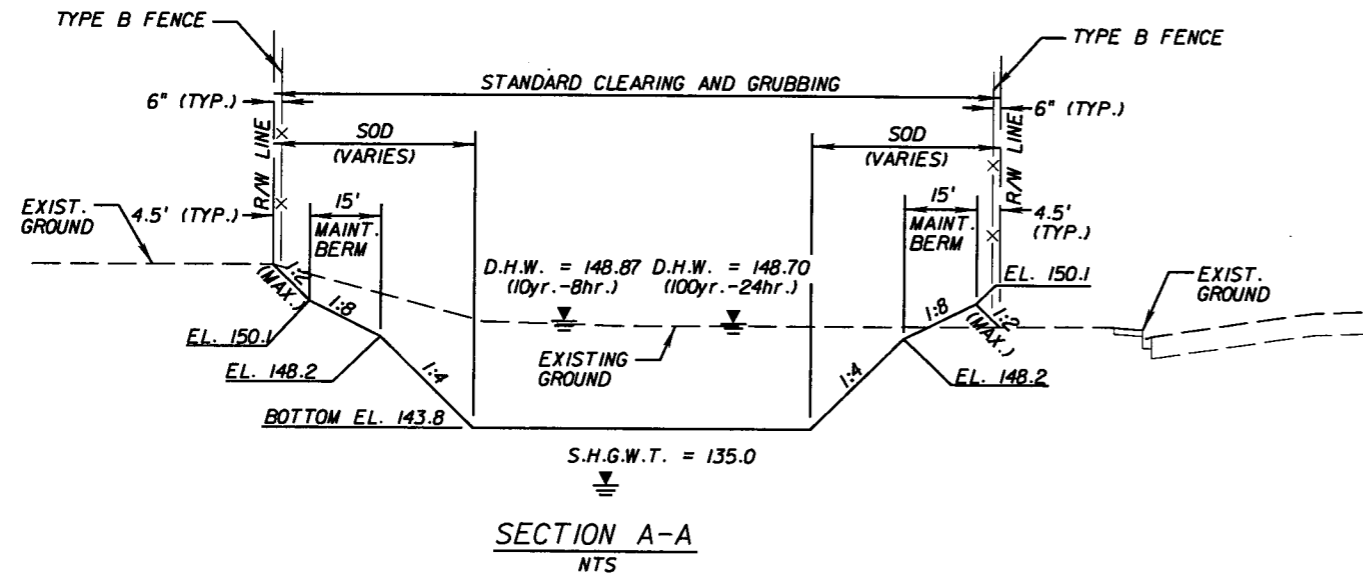
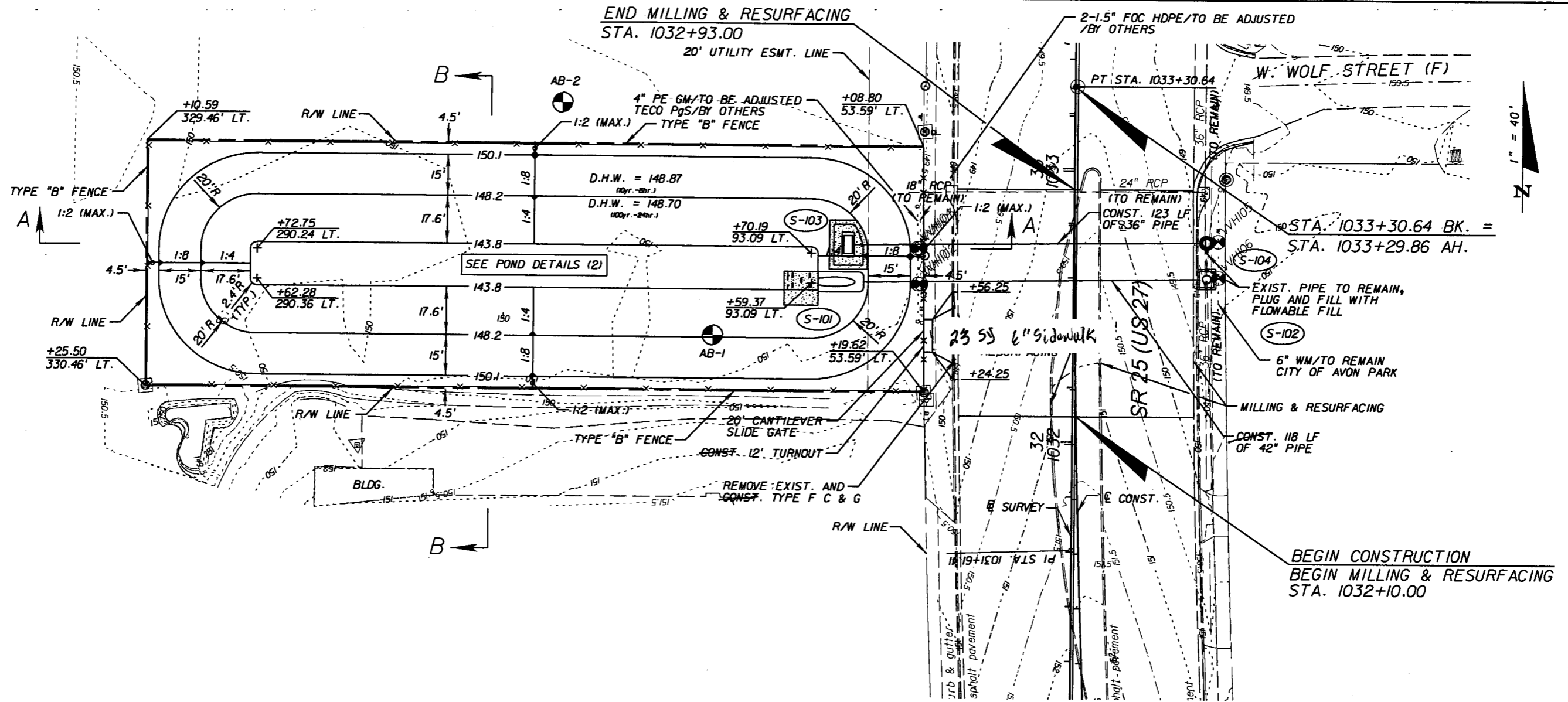
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.

DATE		BY	DESCRIPTION	DATE	BY	DESCRIPTION
9-6-11		DK	RELOCATED S-229			
01-29-13		DK	ADDED S-002 AND S-003 SHIFTED S-227 AND S-228 EAST			

*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-7707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>DRAINAGE STRUCTURES (59)</b>		SHEET NO. 124E
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POND I

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

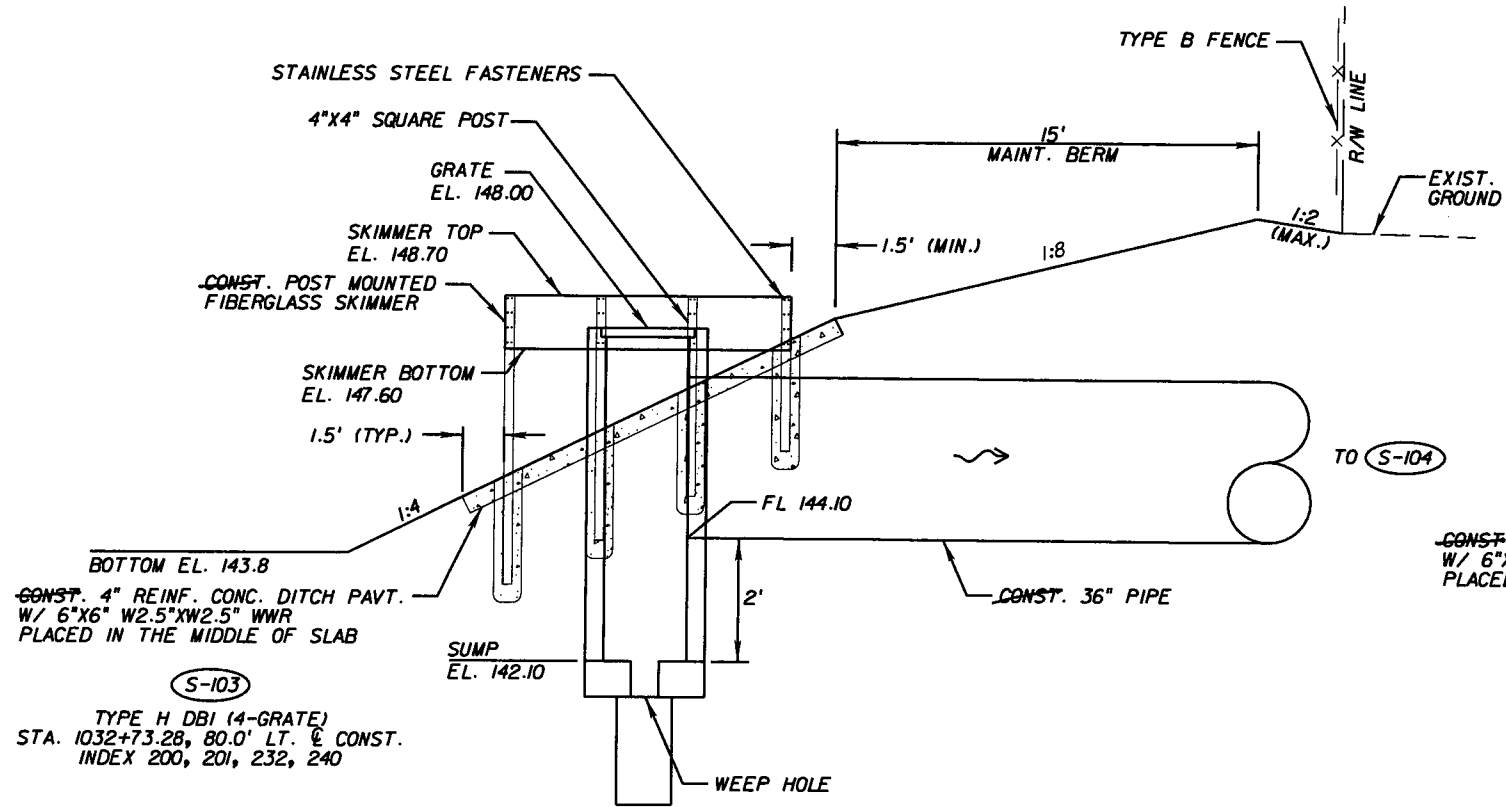
Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

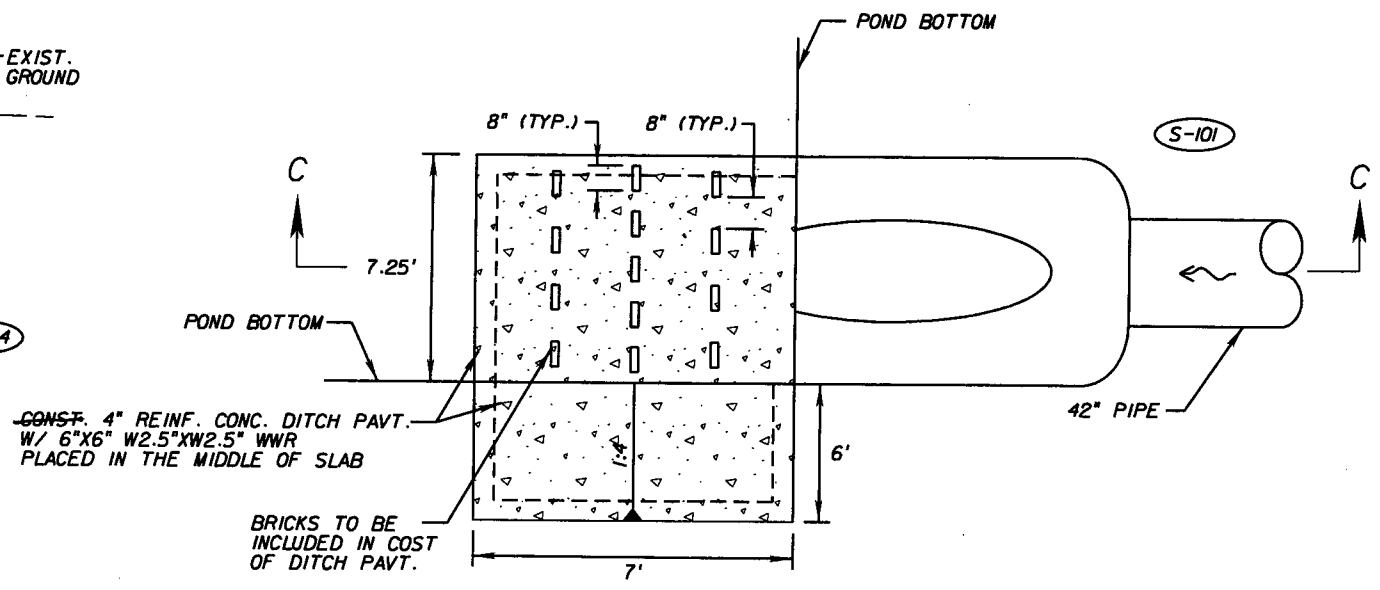
POND DETAILS (1)

SHEET NO.
125

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6095-23.003, F.A.C.

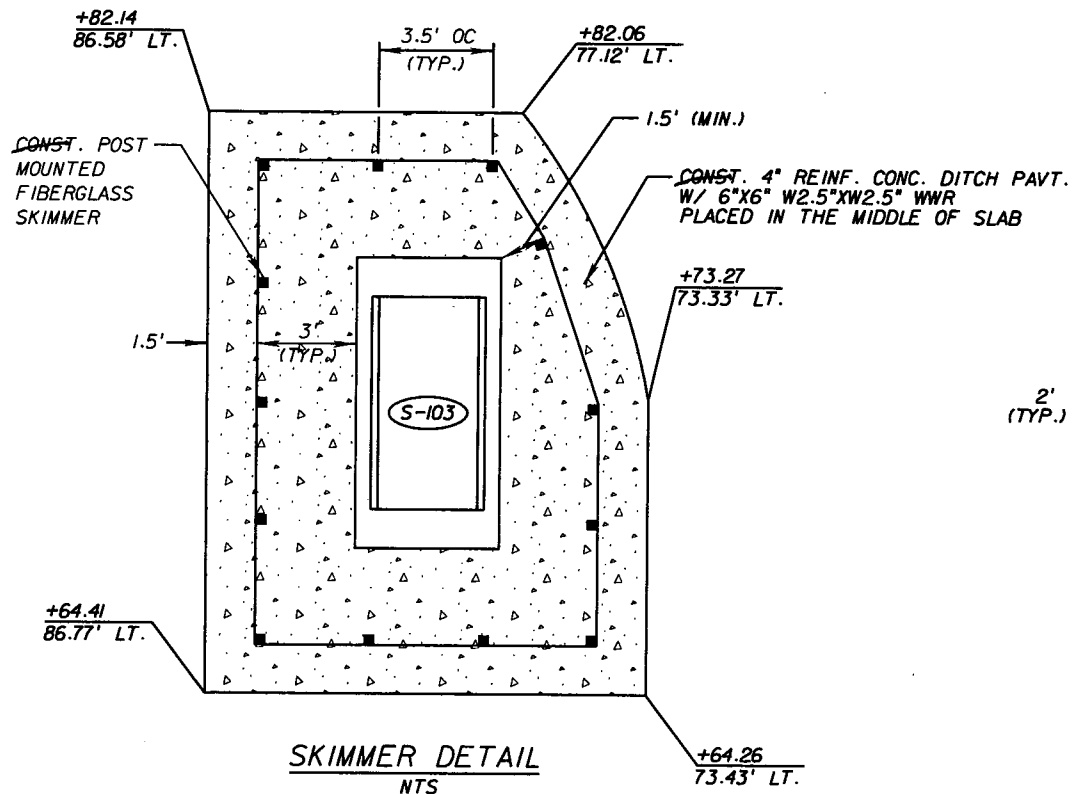


**CONTROL STRUCTURE**  
NTS

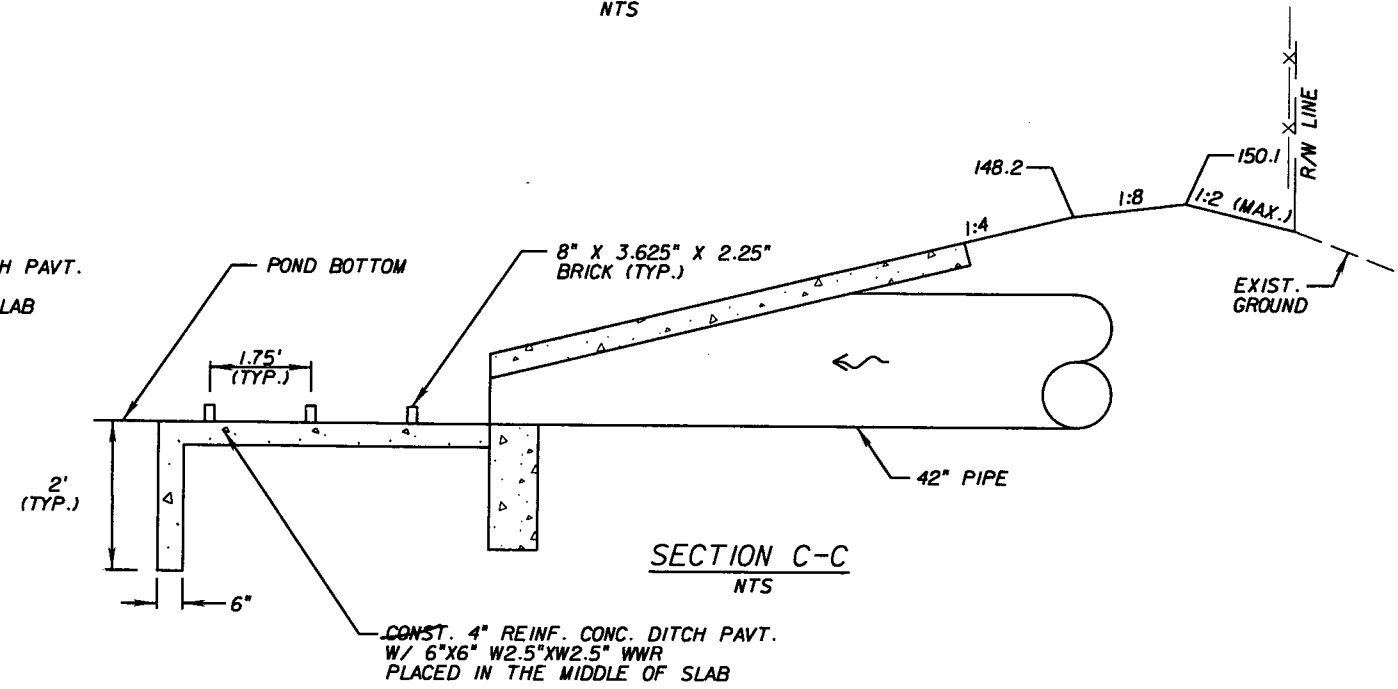


**ENERGY DISSIPATOR**  
NTS

**S-103**  
TYPE H DBI (4-GRATE)  
STA. 1032+73.28, 80.0' LT. & CONST.  
INDEX 200, 201, 232, 240



**SKIMMER DETAIL**  
NTS



**SECTION C-C**  
NTS

POND 1

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

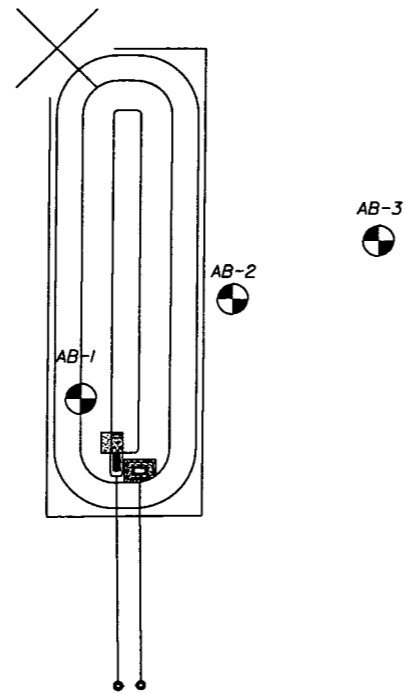
*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**POND DETAILS (2)**

SHEET NO.
126

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6815-23.003, F.A.C.



**STRATA DESCRIPTION**

- S-1 = A-3, Tan, Grey, Orange and Brown Sand with trace Organics.
- S-2 = A-2-4/A-2-6, Tan, Orange and Grey Clayey Sand.

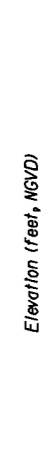
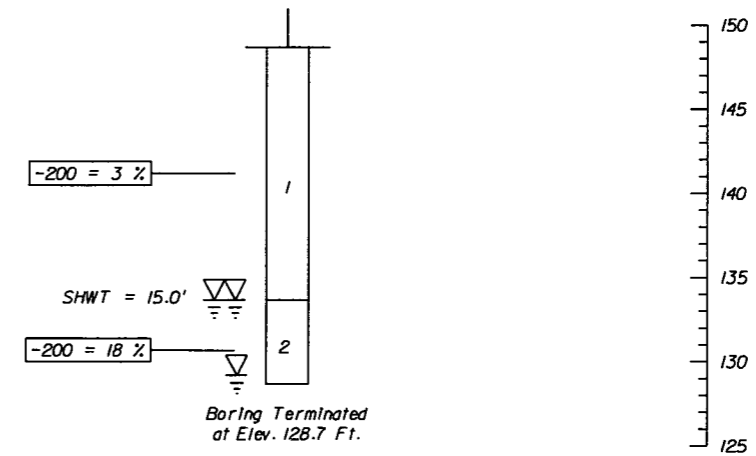
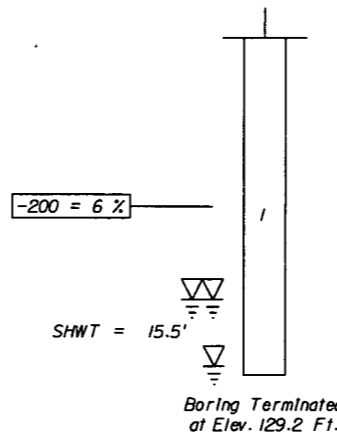
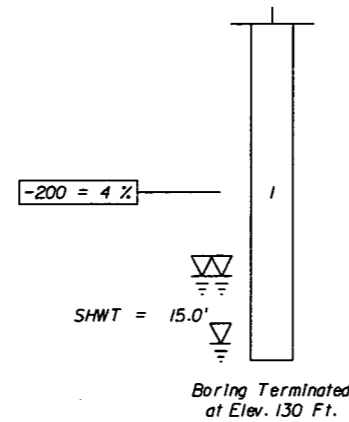
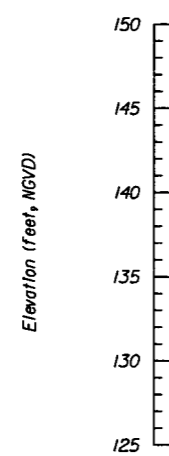
**NOTES**

- = Water Table
- = Seasonal High Water Table
- GNE = Water Table Not Encountered
- = Auger Boring Location

BOR # AB-1  
 STA. 1032+42  
 OFF. 128.1' Lt. Centerline Construction  
 ELEV. 150' Ft.  
 DATE 8/21/2007  
 DRILLER Cory Kirkland  
 LATITUDE 27.60445  
 LONGITUDE -81.514833

BOR # AB-2  
 STA. 1033+25  
 OFF. 181.4' Lt. Centerline Construction  
 ELEV. 149.2' Ft.  
 DATE 8/21/2007  
 DRILLER Cory Kirkland  
 LATITUDE 27.604683  
 LONGITUDE -81.515000

BOR # AB-3  
 STA. 1034+04  
 OFF. 246.0' Lt. Centerline Construction  
 ELEV. 148.7' Ft.  
 DATE 8/21/2007  
 DRILLER Cory Kirkland  
 LATITUDE 27.605133  
 LONGITUDE -81.515200



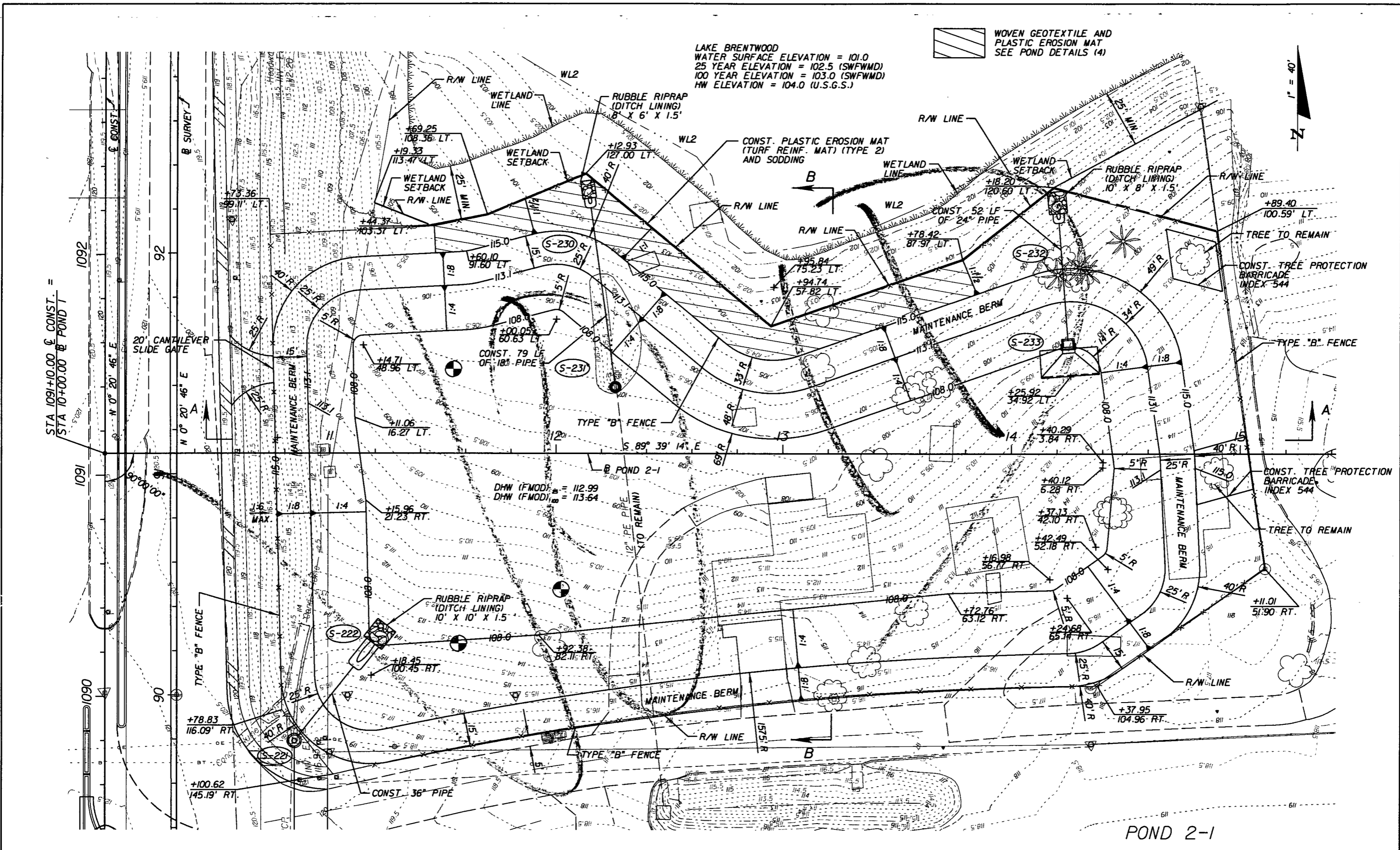
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**ENGINEER OF RECORD**  
 Teresa Nelson Puckett, P.E. #44762  
 FLA. DEPT. OF TRANSPORTATION  
 MATERIALS OFFICE  
 DISTRICT 1  
 801 N. Broadway Ave.  
 Bartow, Florida 33830-3809  
 (863) 519-4246

DRAWN BY: DML 08-07	<b>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</b>		
CHECKED BY: MEH 08-07			
DESIGNED BY: XXX MM-YY	ROAD NO. 25	COUNTY HIGHLANDS	FINANCIAL PROJECT ID 194485-1-52-01
CHECKED BY: XXX MM-YY			

SHEET TITLE: <b>REPORT OF AUGER BORINGS SHEET FOR POND I</b>		REF. DWG. NO.
PROJECT NAME: <b>SR 25</b>		SHEET NO. <b>127</b>

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.



LAKE BRENTWOOD  
 WATER SURFACE ELEVATION = 101.0  
 25 YEAR ELEVATION = 102.5 (SWFWMD)  
 100 YEAR ELEVATION = 103.0 (SWFWMD)  
 HW ELEVATION = 104.0 (U.S.G.S.)

WOVEN GEOTEXTILE AND  
 PLASTIC EROSION MAT  
 SEE POND DETAILS (4)



POND 2-1

REVISIONS		REVISIONS			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

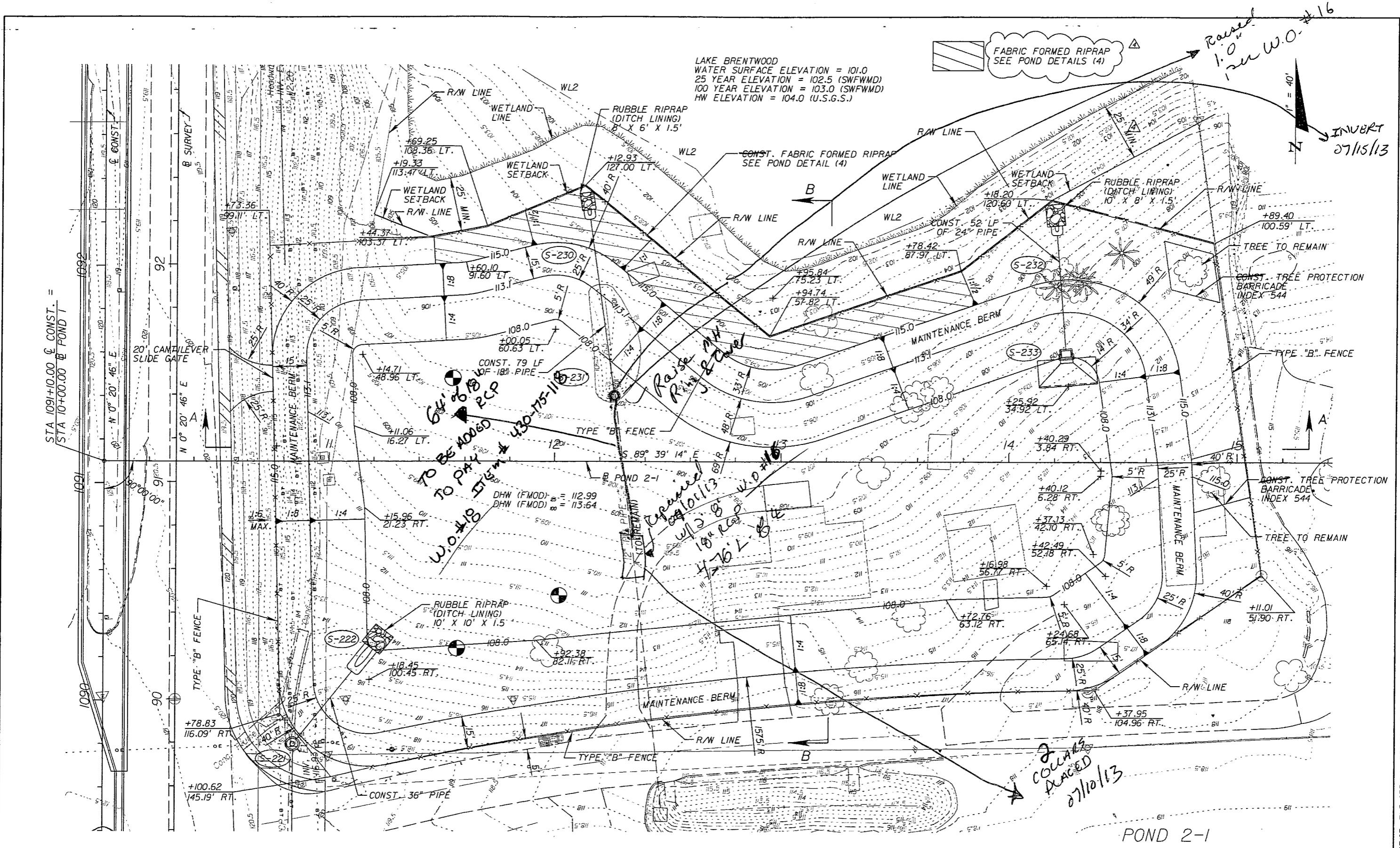
Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**POND DETAILS (3)**

SHEET NO.
128

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



LAKE BRENTWOOD  
 WATER SURFACE ELEVATION = 101.0  
 25 YEAR ELEVATION = 102.5 (SWFWMD)  
 100 YEAR ELEVATION = 103.0 (SWFWMD)  
 HW ELEVATION = 104.0 (U.S.G.S.)

FABRIC FORMED RIPRAP  
 SEE POND DETAILS (4)

Raised 1.0' per W.O. #16  
 INVERT 07/15/13

TO BE MOVED RCP  
 TO PAY ITEM # 430-15-115  
 W.O. #18  
 RAISE 1.0' per W.O. #16  
 07/15/13  
 H=26.1'  
 2 COULDS PLACED 07/10/13

STA 1091+10.00 @ CONST. =  
 STA 10+00.00 @ POND T

POND 2-1

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
9/5/12	DK	REVISED NOTE			

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

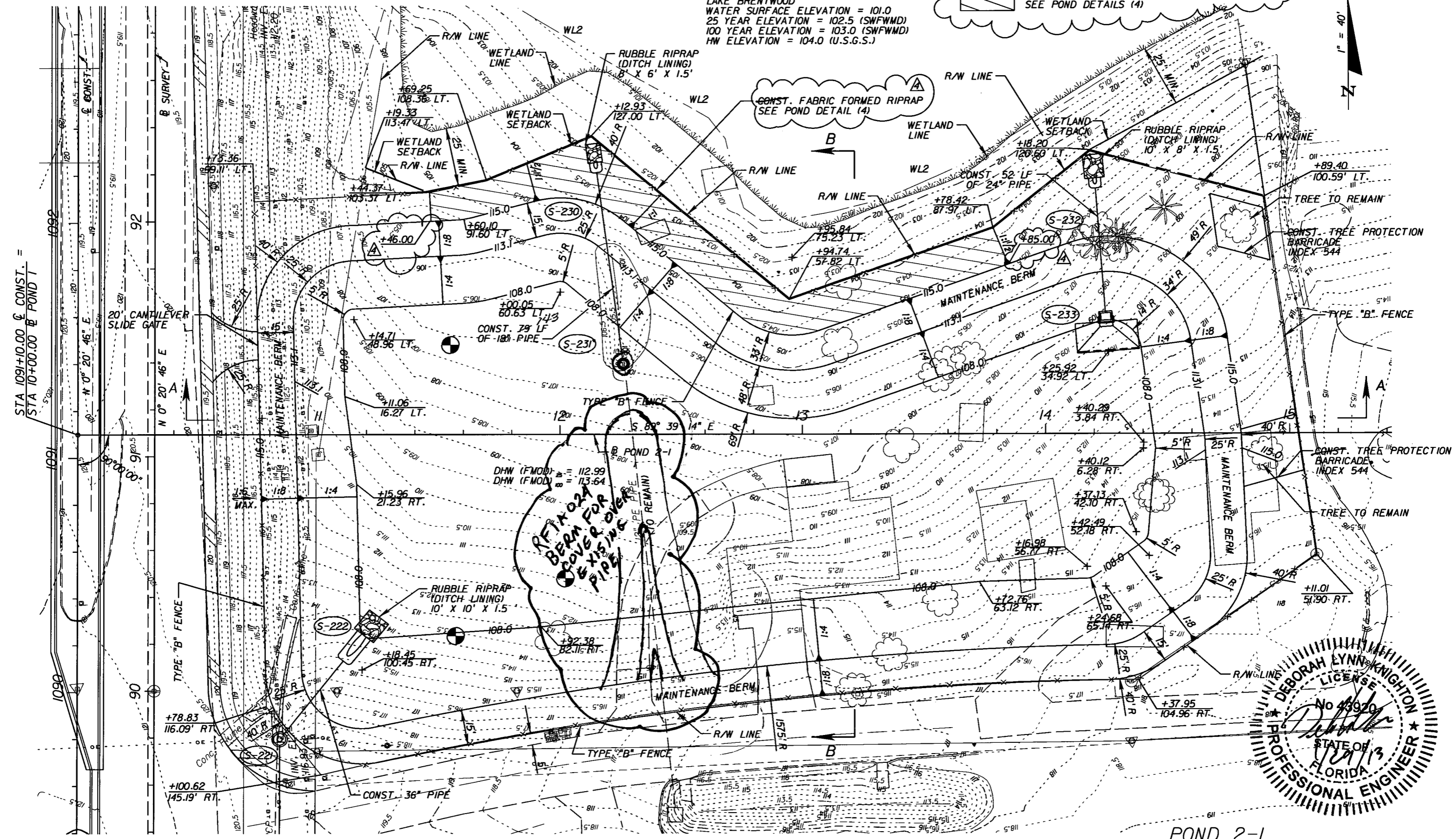
POND DETAILS (3)

SHEET NO.  
128

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.

FABRIC FORMED RIPRAP WITH GEOSYNTHETIC REINFORCED SOIL SLOPE SEE POND DETAILS (4)

LAKE BRENTWOOD  
WATER SURFACE ELEVATION = 101.0  
25 YEAR ELEVATION = 102.5 (SWFWMD)  
100 YEAR ELEVATION = 103.0 (SWFWMD)  
HW ELEVATION = 104.0 (U.S.G.S.)



DEBORAH LYNN KNIGHTON  
LICENSE  
No. 43920  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

POND 2-1

REVISIONS			REVISIONS		
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01-29-13	DK	REVISED NOTES			

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

POND DETAILS (3)		SHEET NO.
		128

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.





**Request for Information**

TO: Todd Boehmer, P.E.  
 AMEC Environment & Infrastructure  
 748 US Hwy 27 North  
 Avon Park, FL. 33825

From: Craig Ketron  
 Better Roads Inc.  
 1910 Seward Avenue  
 Naples, Florida 34109

Project Reference: 194485-1-52-01 (T1403) SR25 (US 27) Avon Park (Highlands Co.)  
 Request for Information Date: June 11, 2012  
 Request for Information No: 8  
 Request for Information Item: Pond 2-1 elevations

Remarks:

Better Roads Inc. is requesting additional information on the top of the maintenance berm in pond 2-1. Plan sheet 128 calls out that the top of berm is at an elev. 115 consistently around pond 2-1. Looking at Section B-B on sheet 129 the elevation along West Pickett shows that the elevation varies. We would like clarification that we are to make the top of berm the existing roadway elevation and that the toe of the 1:8 will also vary due to the fixed width of the proposed berm. Please clarify the transition points as to where the proposed elevations are to start at these grade lines.


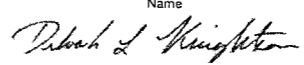
Better Roads is also concerned about the elevations around the existing trees that we are to save on the east side of the pond along the right of way. Depending on the grade elevations and the transition point we are concerned that blending in the elevations around the trees needs to be looked at a little closer.

If you have any questions or need further information please let us know.

Respectfully,

Better Roads Inc.

Craig Ketron  
 Estimator / Project Manager

REQUEST FOR INFORMATION	
FPN: 194485-1-52-01	Date: <u>Monday, June 11, 2012</u>
SR 25 (US 27)	BRI RFI No.: <u>B008</u>
From A Pt. N of W Lake Isis Ave. to the Polk County Line Contract No. T1403	
To: <u>Jeff Blazowski</u>	From: <u>Agradina Ortega</u>
Of: <u>URS Corp.</u> <small>Company</small>	Of: <u>AMEC E&amp;I, Inc.</u> <small>Company</small>
Phone: <u>(813) 286-1711</u>	Phone: <u>(863) 453-0443</u>
email: <u>jeff_blazowski@urscorp.com</u>	email: <u>Agradina.Ortega@amec.com</u>
REFERENCE: <u>BRI Request for Information No. 8</u>	
DESCRIPTION: <u>Additional Information for Pond 2</u>	
Better Roads, Inc. submitted their Request for Information No. RFI-B008 (see attachment).	
Requested Response Date: <u>06/18/12</u>	Submitted By: <u></u> <small>Signature</small>
Verbal Reply Given to _____ on _____ <small>Name of Person Date</small>	
REPLY: Plan sheet 128 does not call out a top of berm elevation in the areas that are being transitioned and graded to match existing ground. The transition on the east end of the pond begins at Station 14+40.29, where the radial center point is called out at 3.84' RT. This will result in the outside top of bank tying into the exiting contour at elevation 115 near the existing tree to remain, and transitioning up from there. Please match existing grade in the vicinity of the tree, and not be too concerned about having the grading match the plans exactly. The impact to pond capacity should be negligible. If at all possible, do not cut the roots a distance half way between the outer branches and the tree trunk.  On the west end of the pond, the transition begins at Station 11+11.06, 16.27 LT. You will note that the distance from the pond bottom to the inside of top of bank increases as the top of bank rises to match existing ground.  Variations in the slope of the maintenance berm slope ranging from flat to 1:8 are tolerable. Utilize this slope variation range as necessary to tie into the existing grade along the south side of the pond along West Pickett.	
Reply Prepared By: <u>Deborah Knighton</u> <small>Name</small> <u></u> <small>Signature</small> Date: <u>6/12/2012</u>	

# REQUEST FOR INFORMATION

FPN: 194485-1-52-01

Date: 3/29/2013

SR 25 (US 27)

AMEC RFI No.: A024

From A Pt. N of W Lake Isis Ave. to the Polk County Line

Contract No. T1403

To: Jeff Blazowski

From: Agradina Ortega

Of: URS Corporation, Inc.  
Company

Of: AMEC Environmental & Infrastructure, Inc.  
Company

Phone (813) 675-6609

Phone: (863) 453-0443

email: Jeff.Blazowski@URSCorp.com

email: Agradina.Ortega@amec.com

REFERENCE: Plan Sheets # 128

DESCRIPTION: Cross Slope of Existing Outside Lanes

\* Plan Sheet # 128 calls for a 12" PE Pipe (to remain). However, field observations of Pond 2-1 revealed the existence of a 18" RCP Drainage Pipe. This pipe flow from an existing pond (South of Pond 2) to Structure S-231 (MH) and from there to S-230 (Mitered End with RipRap). Both structures has been installed per plan.


\* Approximate location: Sta. 12+40, O/S 75' RT. The elevation of the top of that pipe (EL 111.3) is approximately 3 FT above proposed elevation of the toe of 1:4 slope (EL 108.00).

See attached photos.

What do you suggest to do?

\* Please review and advise.

Requested Response Date: 04/03/13

Submitted By: 

Signature

Verbal Reply Given to \_\_\_\_\_

Name of Person

on \_\_\_\_\_

Date

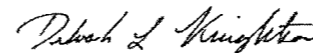
REPLY:

Where the top of the pipe is above the pond bottom, construct a berm centered above the exposed pipe with a top elevation 6" above the top of the pipe, 5' wide, with 1:4 slopes down to the pond bottom. The intent is to provide a minimum of 6" of cover above the pipe.

Reply

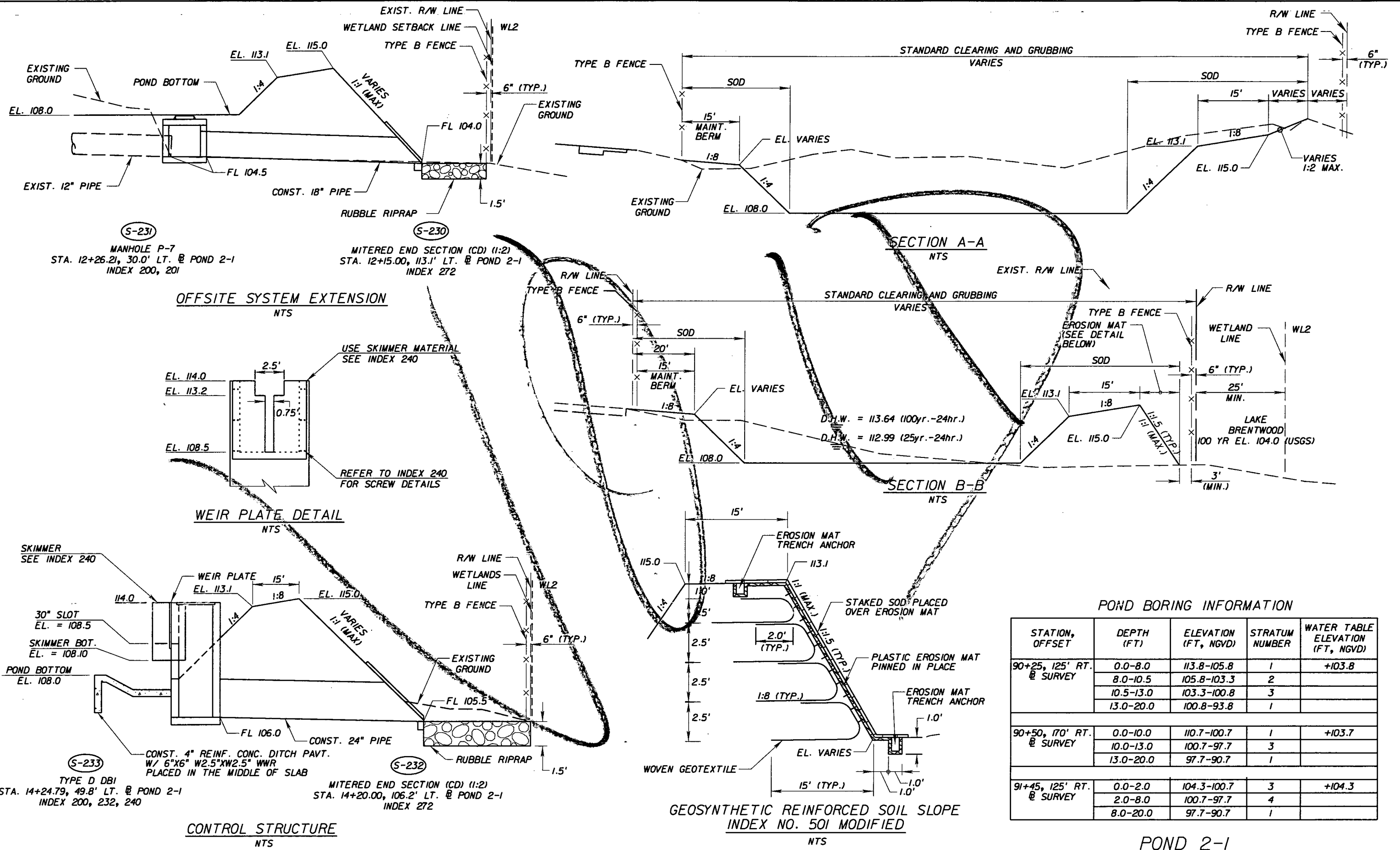
Prepared By: Deborah Knighton

Name



Signature

Date: 4/1/2013



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**Fuller, Davis & Associates, Inc.**  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

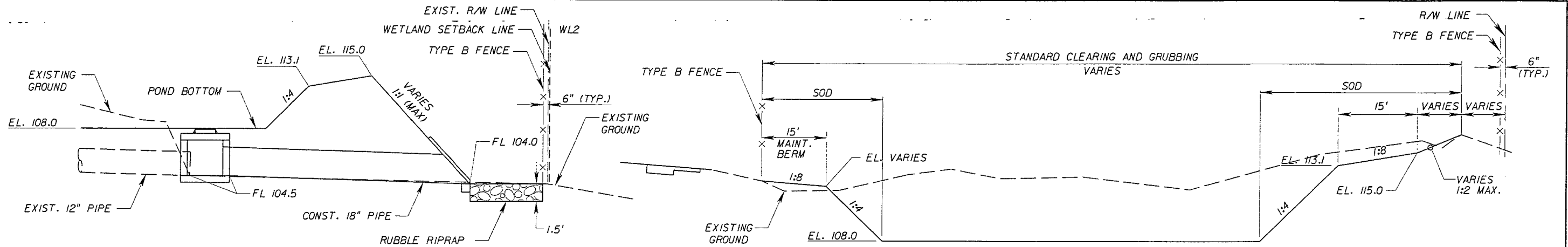
**STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**POND 2-1**

**POND DETAILS (4)**

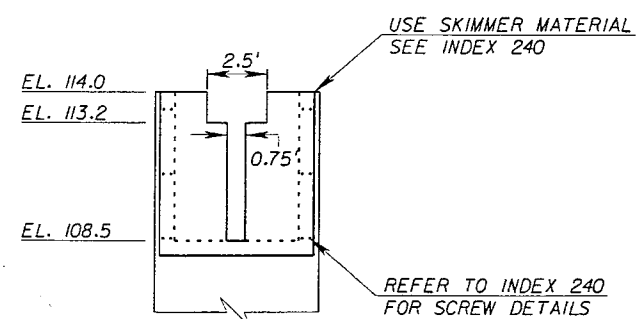
SHEET NO.
129



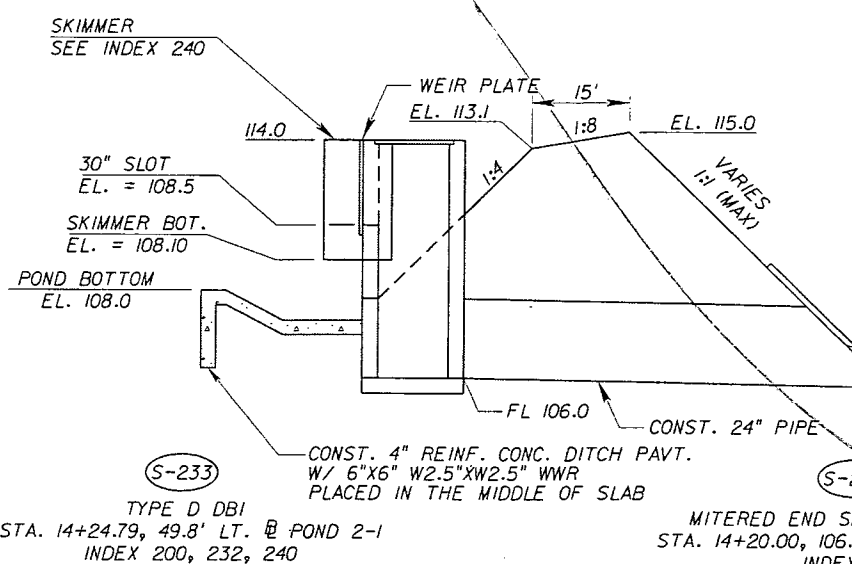
(S-231)  
 MANHOLE P-7  
 STA. 12+26.21, 30.0' LT. @ POND 2-1  
 INDEX 200, 201

(S-230)  
 MITERED END SECTION (CD) (1:2)  
 STA. 12+15.00, 113.1' LT. @ POND 2-1  
 INDEX 272

**OFFSITE SYSTEM EXTENSION**  
 NTS



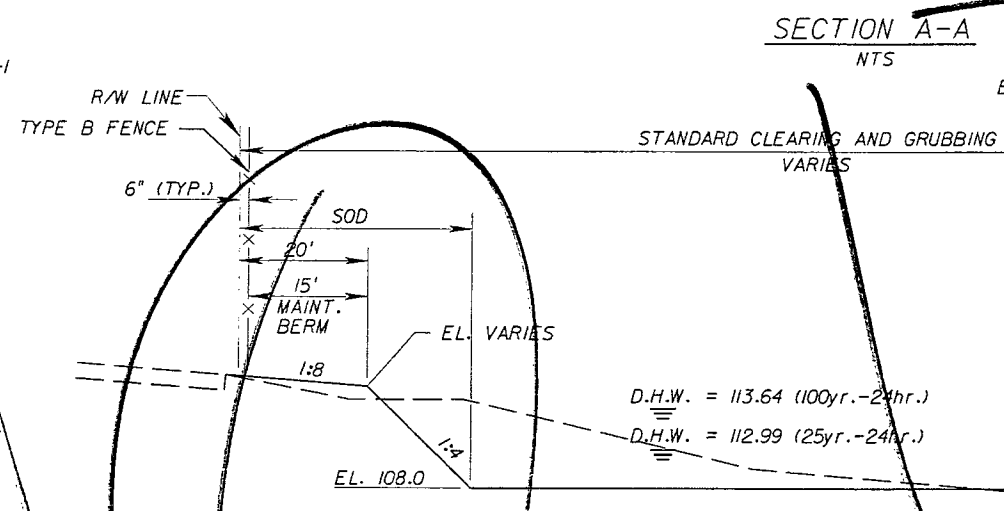
**WEIR PLATE DETAIL**  
 NTS



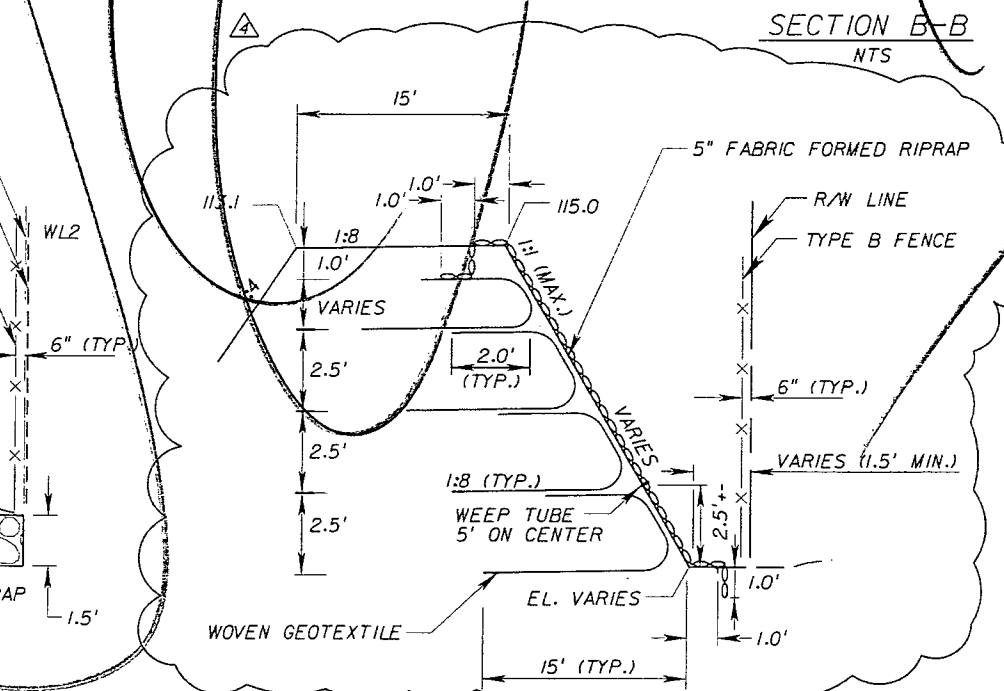
(S-233)  
 TYPE D DBI  
 STA. 14+24.79, 49.8' LT. @ POND 2-1  
 INDEX 200, 232, 240

(S-232)  
 MITERED END SECTION (CD) (1:2)  
 STA. 14+20.00, 106.2' LT. @ POND 2-1  
 INDEX 272

**CONTROL STRUCTURE**  
 NTS

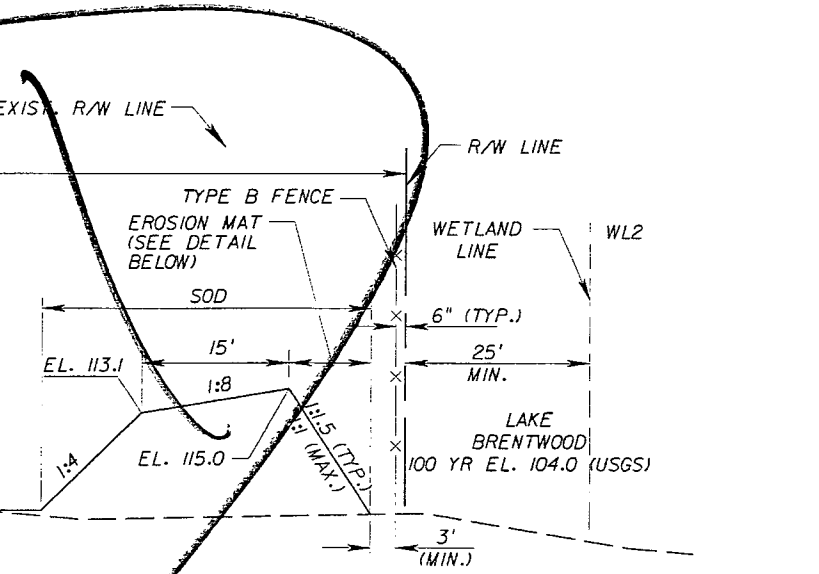


**SECTION A-A**  
 NTS



**SECTION B-B**  
 NTS

**GEOSYNTHETIC REINFORCED SOIL SLOPE**  
 INDEX NO. 501 MODIFIED  
 NTS



**POND BORING INFORMATION**

STATION, OFFSET	DEPTH (FT)	ELEVATION (FT, NGVD)	STRATUM NUMBER	WATER TABLE ELEVATION (FT, NGVD)
90+25, 125' RT. @ SURVEY	0.0-8.0	113.8-105.8	1	+103.8
	8.0-10.5	105.8-103.3	2	
	10.5-13.0	103.3-100.8	3	
	13.0-20.0	100.8-93.8	1	
90+50, 170' RT. @ SURVEY	0.0-10.0	110.7-100.7	1	+103.7
	10.0-13.0	100.7-97.7	3	
	13.0-20.0	97.7-90.7	1	
91+45, 125' RT. @ SURVEY	0.0-2.0	104.3-100.7	3	+104.3
	2.0-8.0	100.7-97.7	4	
	8.0-20.0	97.7-90.7	1	

**POND 2-1**

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
9/5/2012	DK	REVISED DETAIL			

*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

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

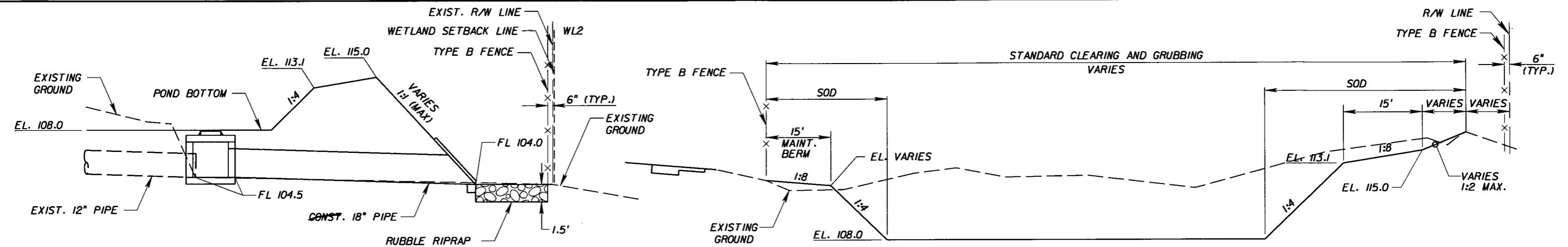
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**POND DETAILS (4)**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
9/5/2012	DK	REVISED DETAIL			

SHEET NO. 129

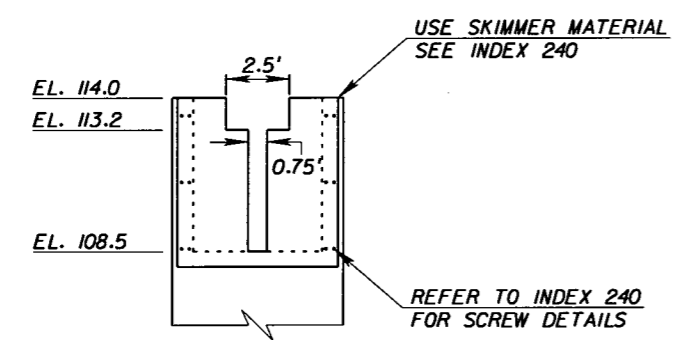
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



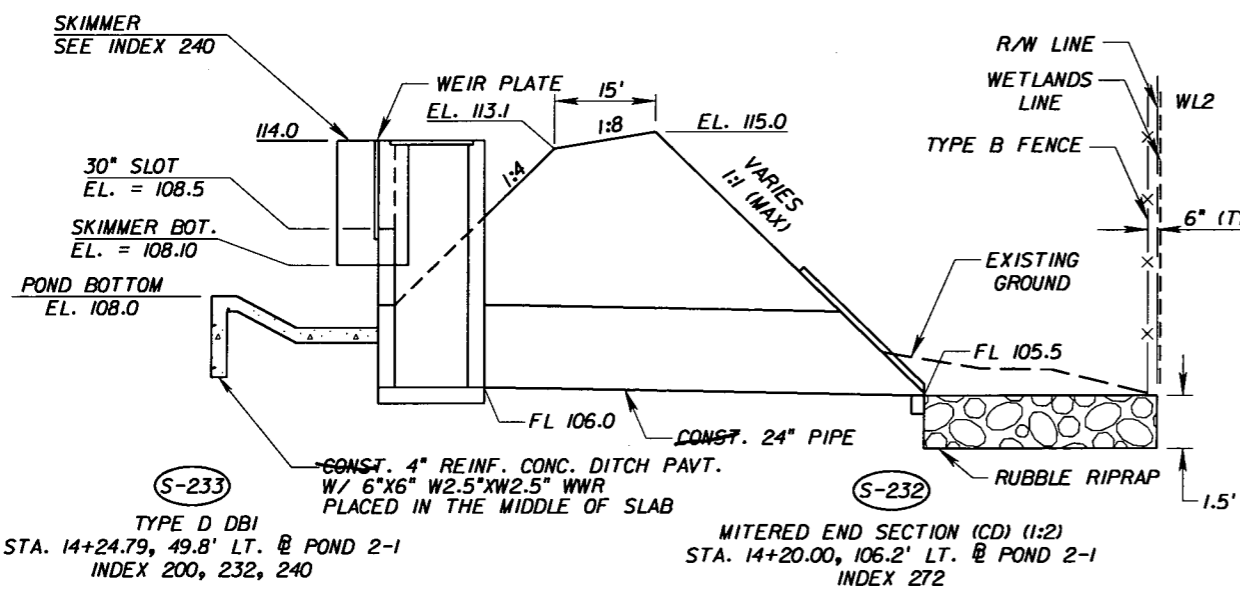
(S-231) MANHOLE P-7  
STA. 12+26.21, 30.0' LT. @ POND 2-1  
INDEX 200, 201

(S-230) MITERED END SECTION (CD) (1:2)  
STA. 12+15.00, 113.1' LT. @ POND 2-1  
INDEX 272

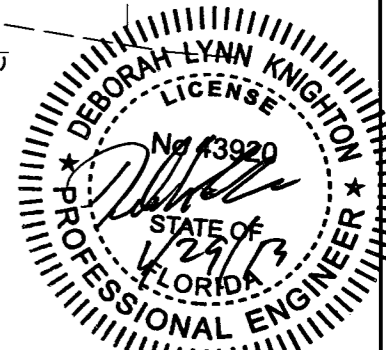
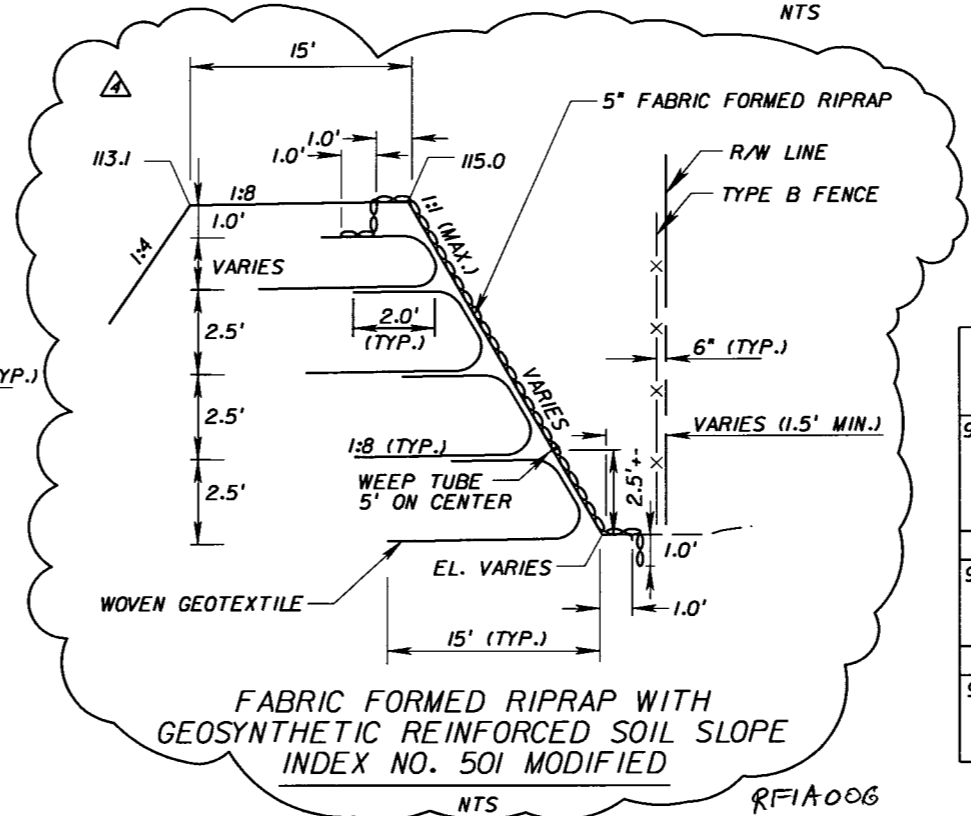
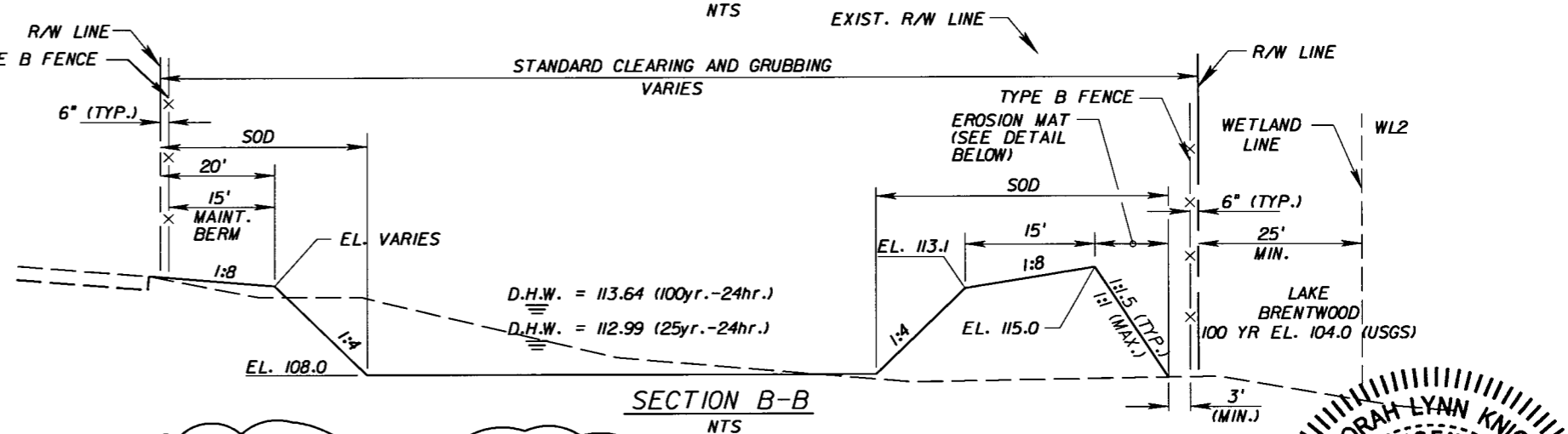
**OFFSITE SYSTEM EXTENSION**  
NTS



**WEIR PLATE DETAIL**  
NTS



**CONTROL STRUCTURE**  
NTS



**POND BORING INFORMATION**

STATION, OFFSET	DEPTH (FT)	ELEVATION (FT, NGVD)	STRATUM NUMBER	WATER TABLE ELEVATION (FT, NGVD)
90+25, 125' RT. @ SURVEY	0.0-8.0	113.8-105.8	1	+103.8
	8.0-10.5	105.8-103.3	2	
	10.5-13.0	103.3-100.8	3	
	13.0-20.0	100.8-93.8	1	
90+50, 170' RT. @ SURVEY	0.0-10.0	110.7-100.7	1	+103.7
	10.0-13.0	100.7-97.7	3	
	13.0-20.0	97.7-90.7	1	
91+45, 125' RT. @ SURVEY	0.0-2.0	104.3-100.7	3	+104.3
	2.0-8.0	100.7-97.7	4	
	8.0-20.0	97.7-90.7	1	

**POND 2-1**

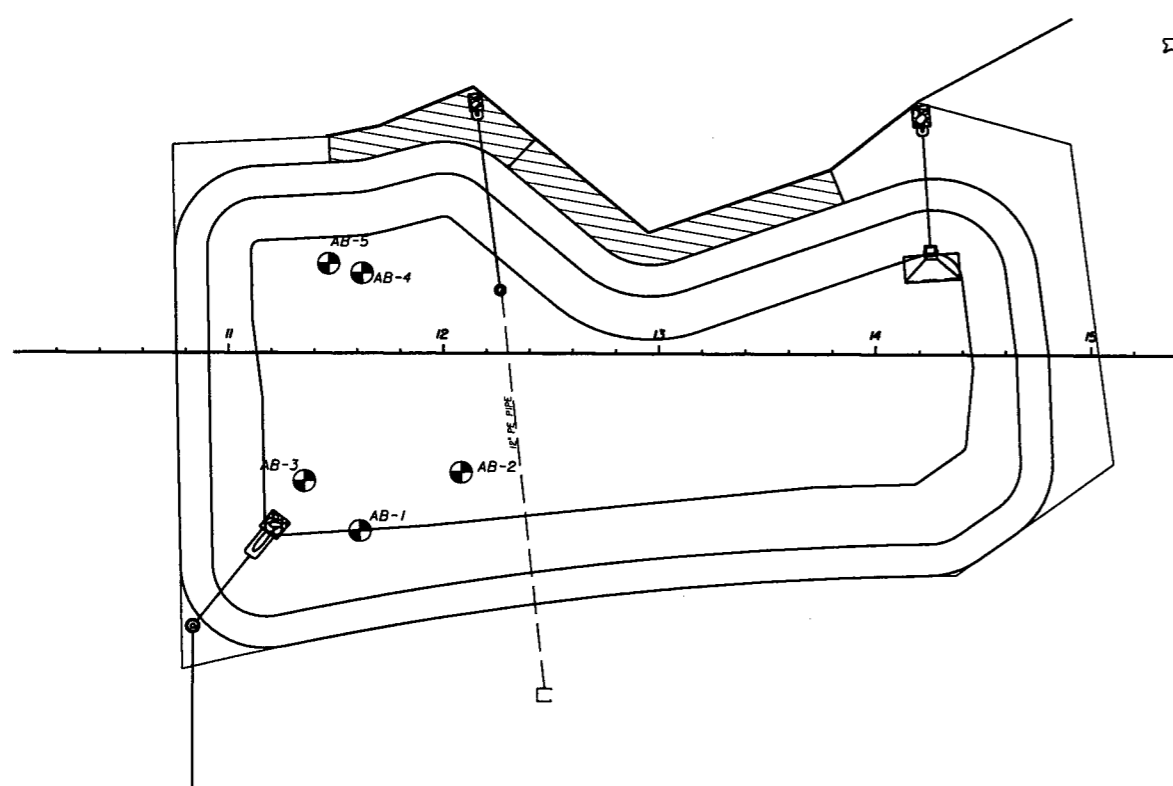
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01-29-13	DK	REVISED DETAIL			

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

POND DETAILS (4)		SHEET NO.
		129

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 66B5-23.003, F.A.C.



LOCATION:  
TOWNSHIP 33S  
RANGE 28E  
SECTION

STRATA DESCRIPTION :

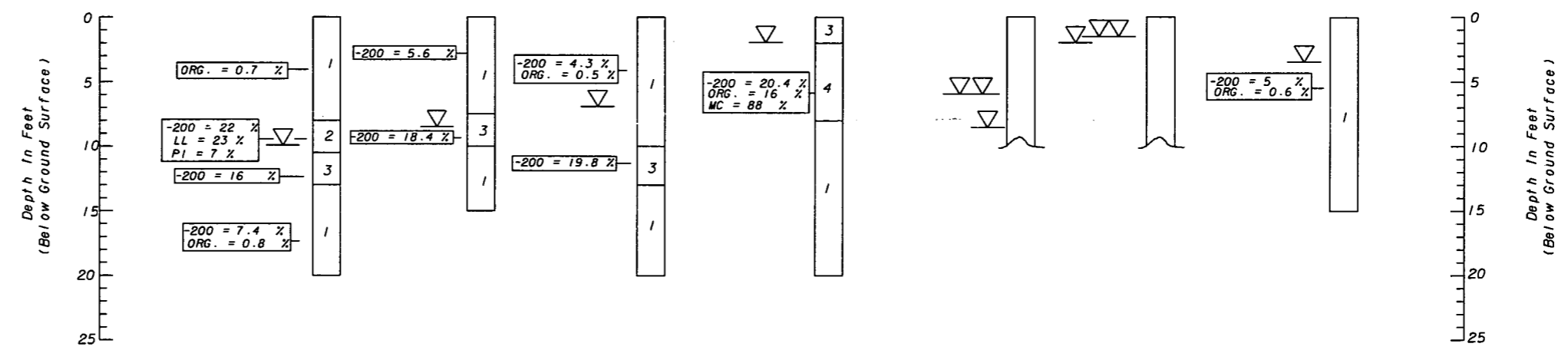
S-1 = A-3, Tan, Grey and Brown Sand with trace Organics.  
S-2 = A-2-4, Tan and Grey Clayey Sand.  
S-3 = A-3/A-2-4, Grey, Grey and Tan, Orange and Grey Sand with trace Organics, some Shell and Limestone.  
S-4 = A-8, MUCK (Dark Brown Organic Sand).

See Roadway Soils Survey Sheet for Strata Information.

NOTES :

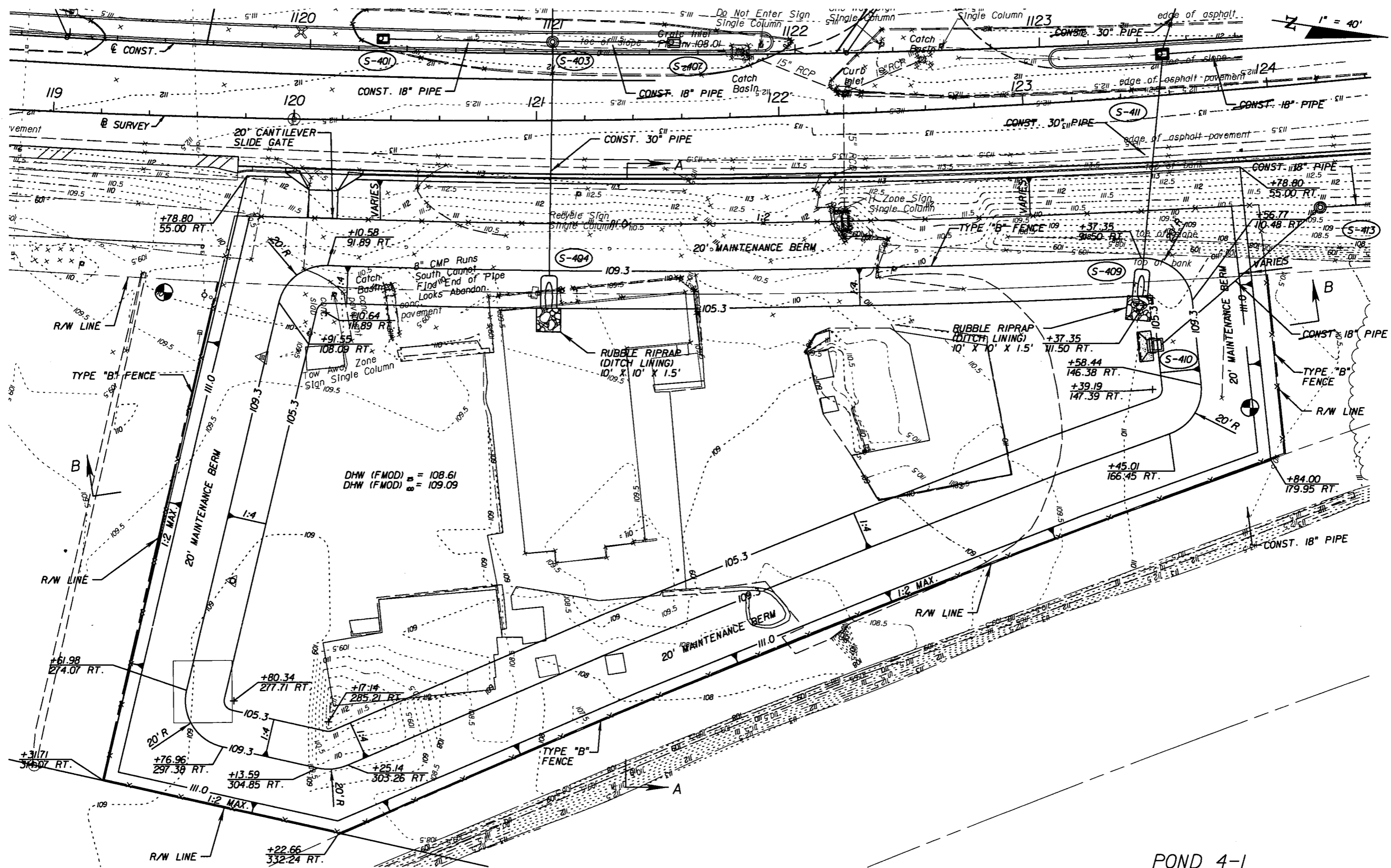
▽ = Water Table  
▽▽ = SHWT (Seasonal High Water Table)  
⊕ AB- = Auger Boring Location

BORING NO.	AB-1	BORING NO.	AB-2	BORING NO.	AB-3	BORING NO.	AB-4	SHWT	SHWT	BORING NO.	AB-5
Sta.	90+25	90+47	90+50	91+45	90+25	91+45	91+50	90+25	91+45	91+50	91+50
Rt.	125.0'	100.0'	170.0'	125.0'	300.0'	125.0'	110.0'	113.4'	107.3'	106.0'	110.0'
Elev.	114.0' Ft.	105.9' Ft.	110.7' Ft.	107.3' Ft.	113.4' Ft.	107.3' Ft.	106.0' Ft.				
Date	11/07/02	08/11/03	11/07/02	11/07/02	03/25/04	11/06/02	08/21/03				



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DEPARTMENT OF TRANSPORTATION			REPORT OF AUGER BORINGS SHEET FOR POND 2-1		
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME		SHEET NO.
						25	HIGHLANDS	194485-1-52-01	SR 25		130

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



POND 4-1

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

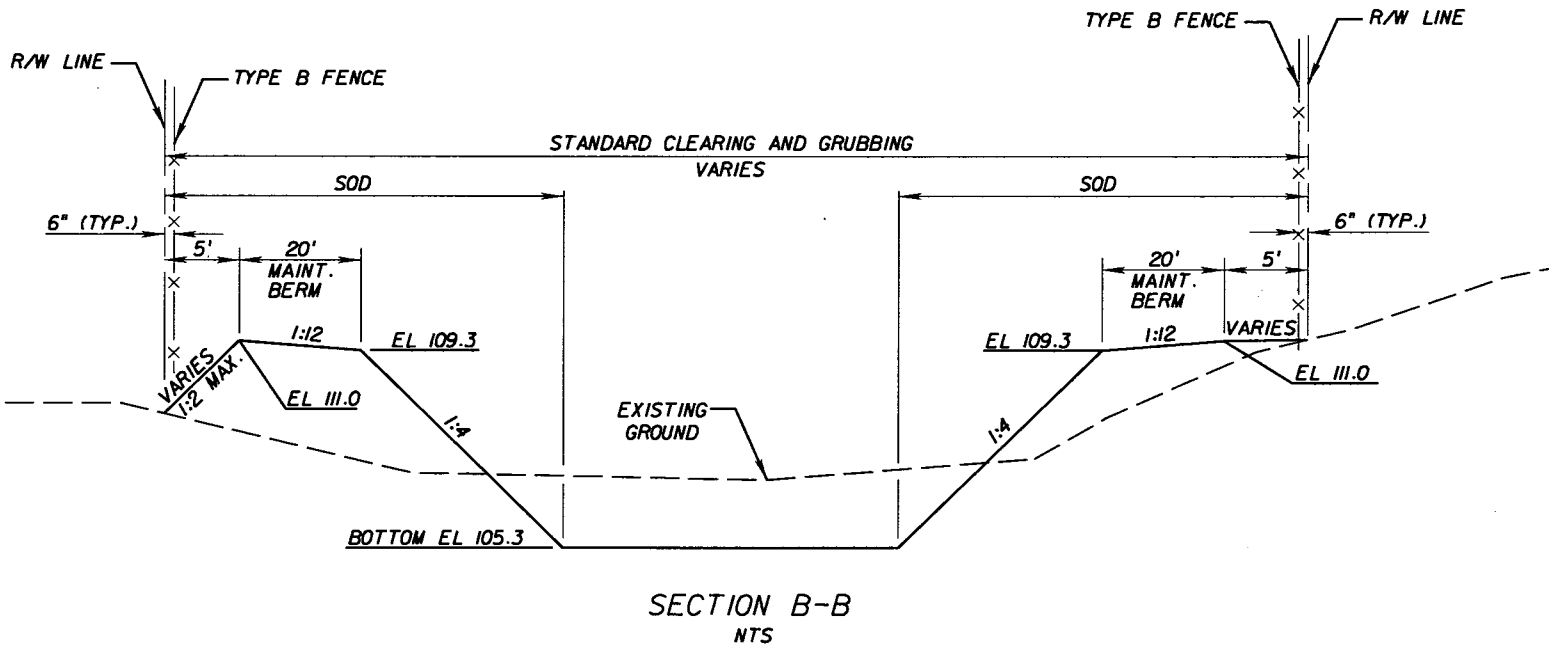
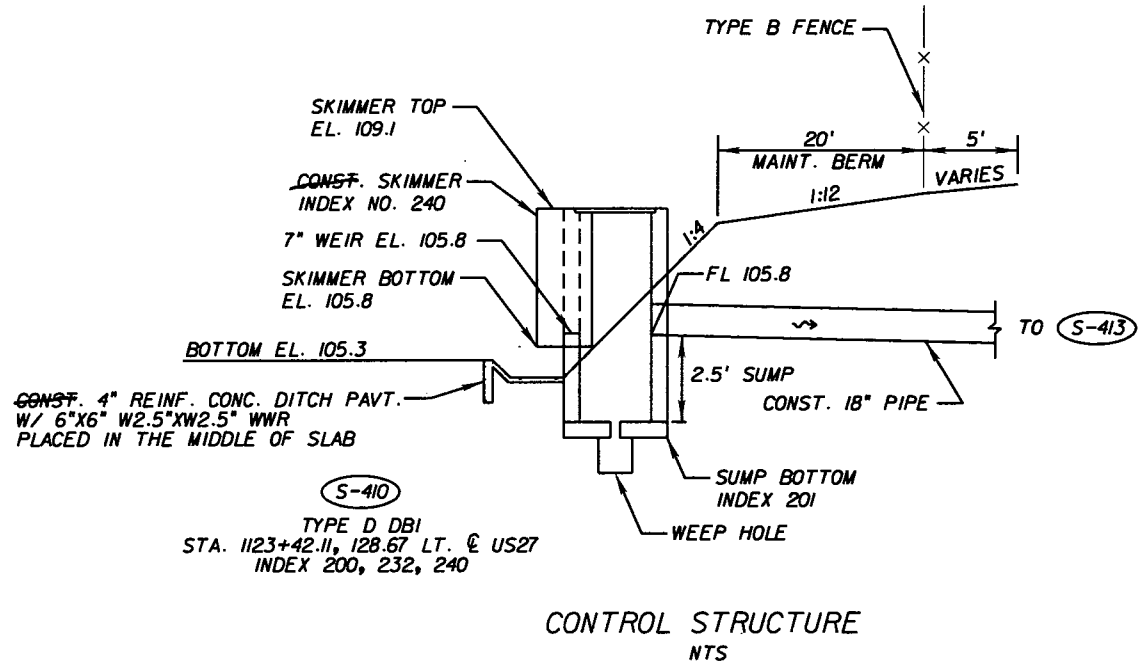
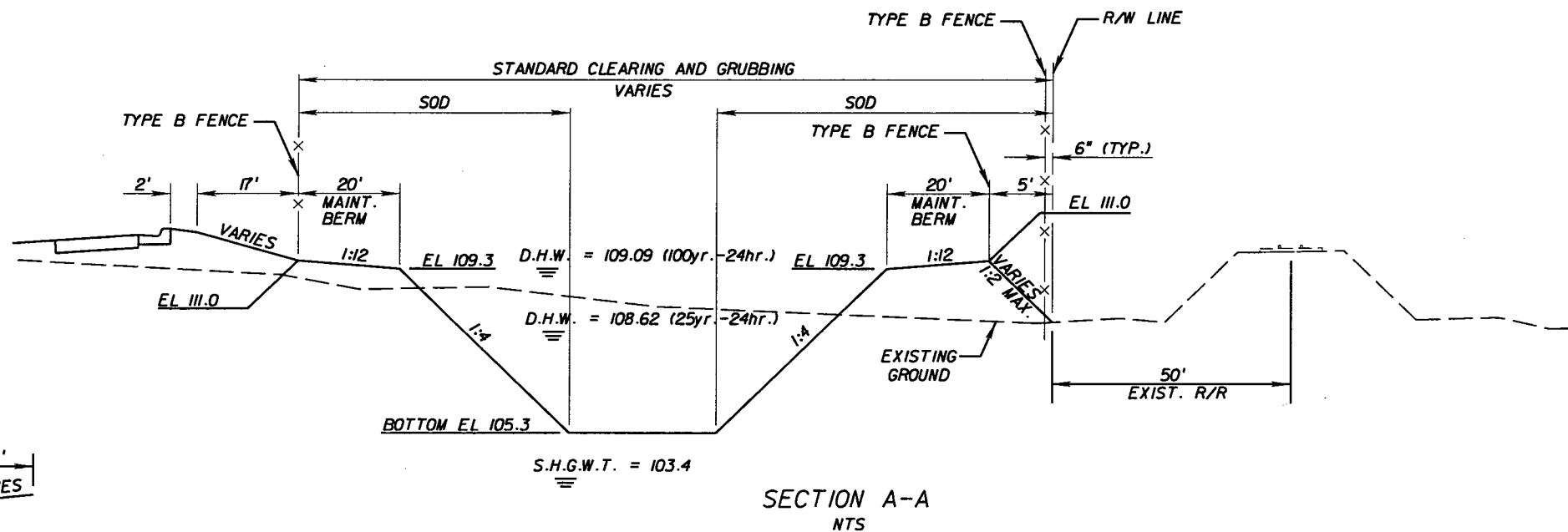
Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

POND DETAILS (5)

SHEET NO.
131

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



POND BORING INFORMATION

STATION, OFFSET	DEPTH (FT)	ELEVATION (FT, NGVD)	STRATUM NUMBER	WATER TABLE ELEVATION (FT, NGVD)
119+50, 75' RT.	0.0-20.0	109.9-89.9	I	+98.9
123+85, 135' RT.	0.0-0.5	110.6-110.1	I	+98.6
	0.5-3.0	110.1-107.6	L.R.	
	3.0-20.0	107.6-90.6	I	

POND 4-1

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

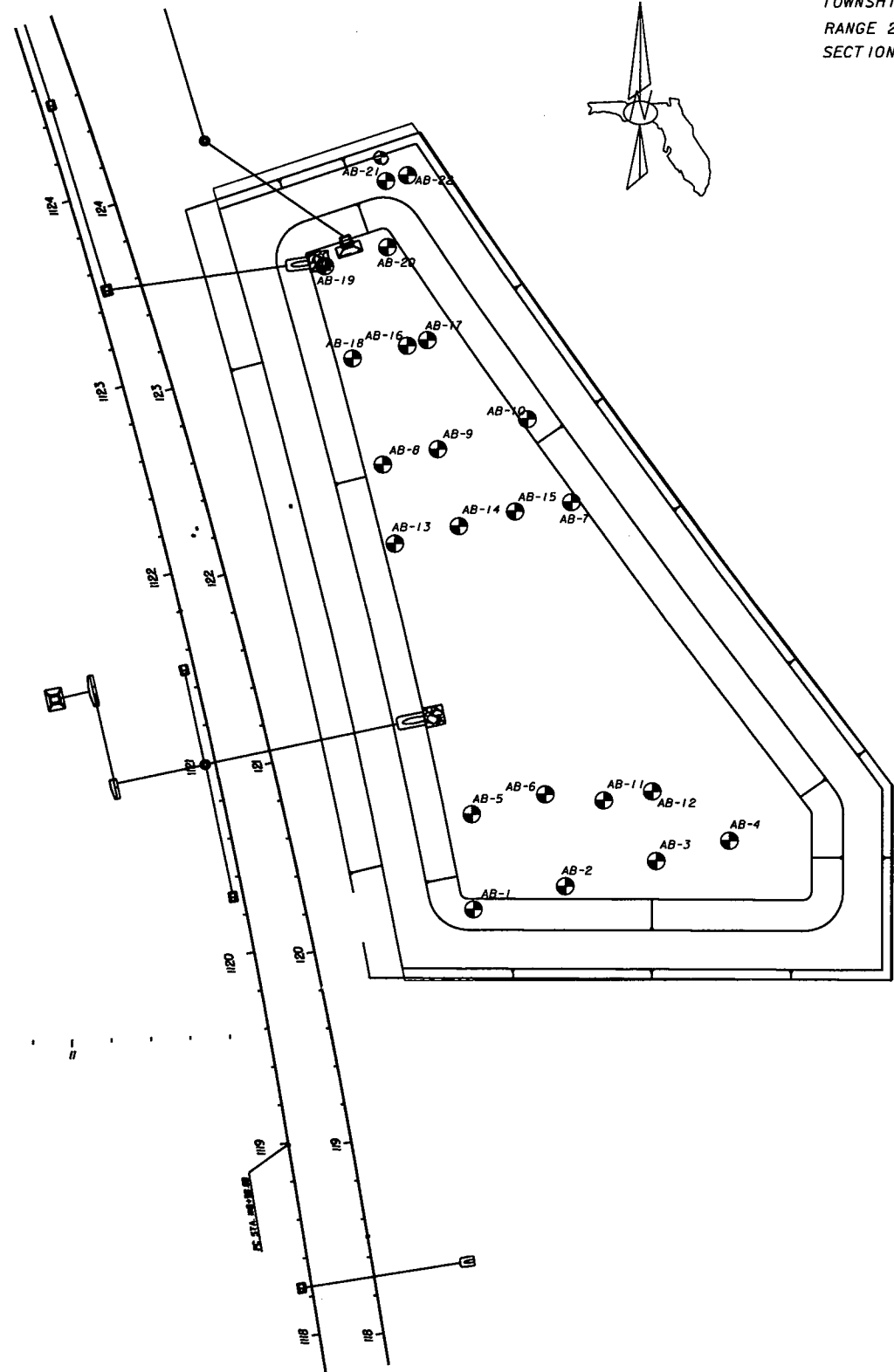
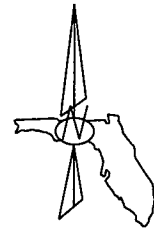
POND DETAILS (6)

SHEET NO.  
132

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



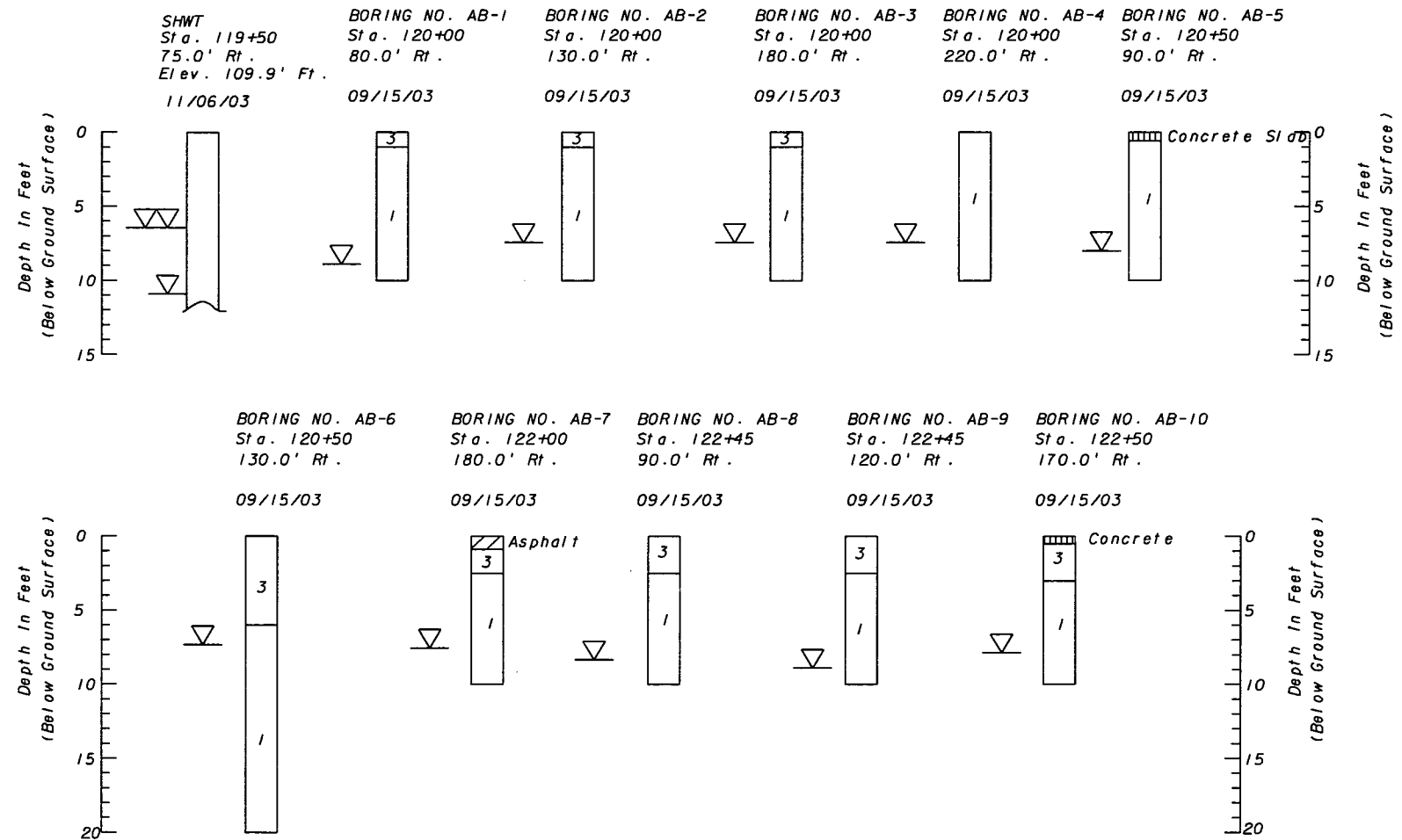
LOCATION:  
TOWNSHIP 33S  
RANGE 28E  
SECTION



▽ = Water Table  
● AB- = Auger Boring Location

S-1 = A-3, Tan, Grey and Brown Sand with trace Organics.  
S-2 = A-2-4, Tan and Grey Clayey Sand.  
S-3 = A-3/A-2-4, Grey, Grey and Tan, Orange and Grey Sand with trace Organics, some Shell and Limestone.  
S-4 = A-8, MUCK (Dark Brow Organic Sand).  
S-5 = A-2-4, Brown and Grey Sand with construction debris with trace Organics.  
See Roadway Soils Survey Sheet for Strata Information.

▨ = Asphalt  
▩ = Concrete

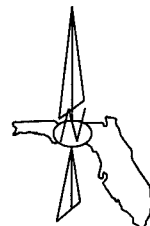


SHEET 1 OF 2

REVISIONS						ENGINEER OF RECORD Teresa Nelson Puckett, P.E. #44762 FLA. DEPT. OF TRANSPORTATION MATERIALS OFFICE DISTRICT 1 801 N. Broadway Ave. Bartow, Florida 33830-3809 (863) 519-4246	DRAWN BY: DML 12-04 CHECKED BY: MEH 12-04 DESIGNED BY: XXX MM-YY CHECKED BY: XXX MM-YY	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: REPORT OF AUGER BORINGS SHEET FOR POND 4-1	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							25	HIGHLANDS	194485-1-52-01	SR 25	SHEET NO. 133	

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.

LOCATION:  
TOWNSHIP 33S  
RANGE 28E  
SECTION



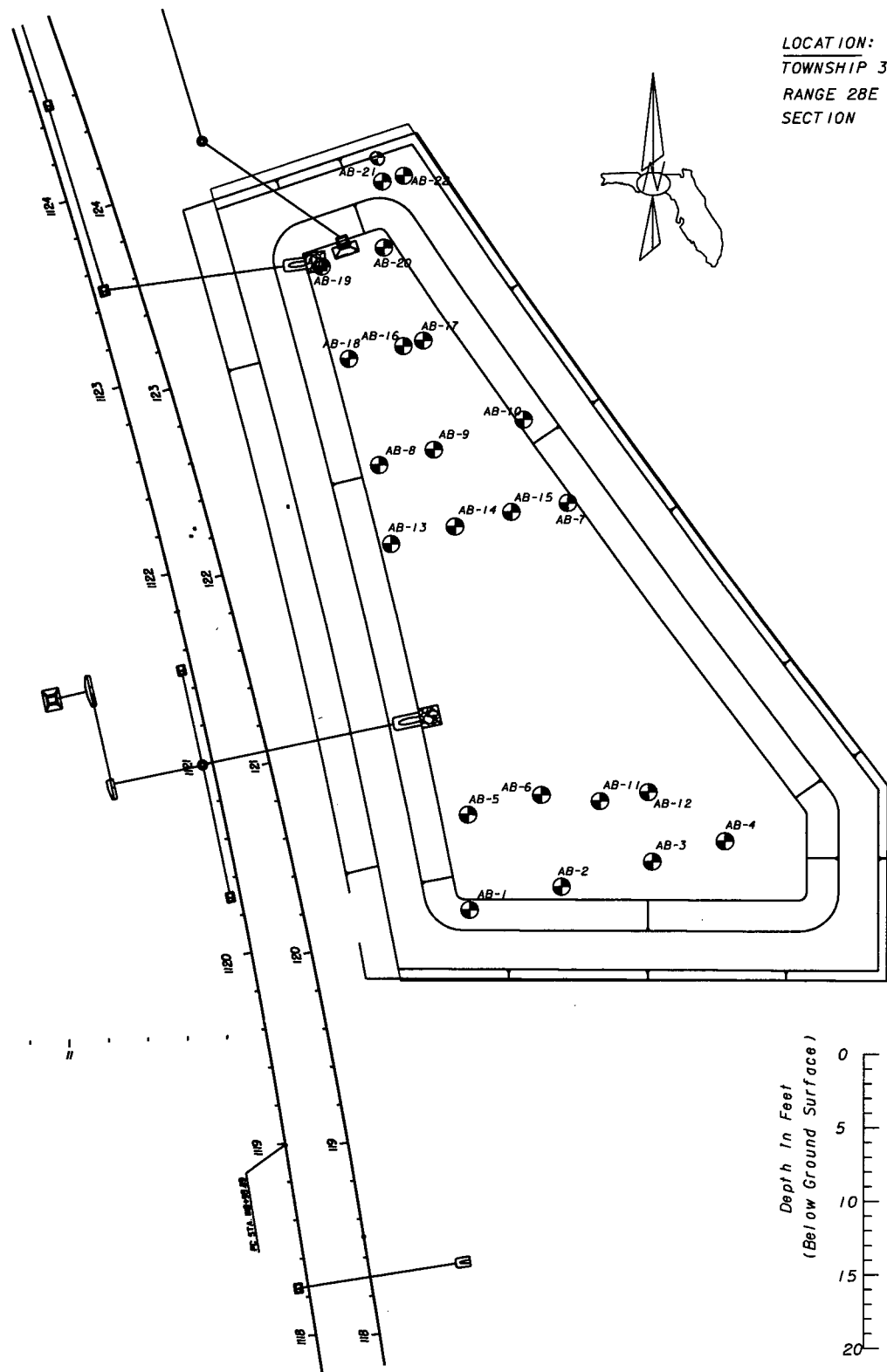
STRATA DESCRIPTION :

- S-1 = A-3, Tan, Grey and Brown Sand with trace Organics.
- S-2 = A-2-4, Tan and Grey Clayey Sand.
- S-3 = A-3/A-2-4, Grey, Grey and Tan, Orange and Grey Sand with trace Organics, some Shell and Limestone.
- S-4 = A-8, MUCK (Dark Brow Organic Sand).
- S-5 = A-2-4, Brown and Grey Sand with construction debris with trace Organics.

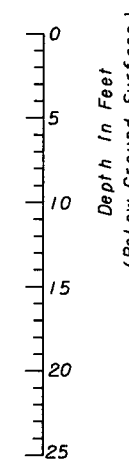
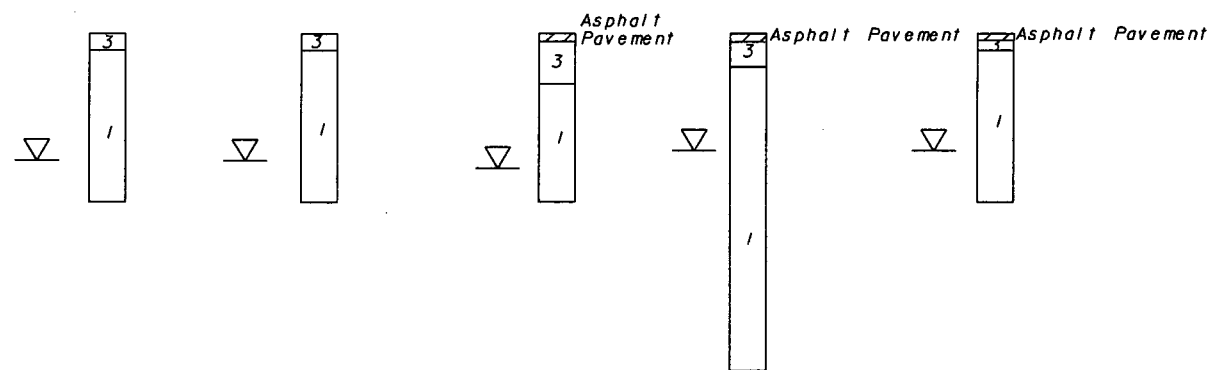
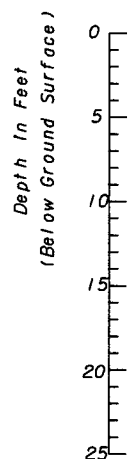
See Roadway Soils Survey Sheet for Strata Information.

NOTES :

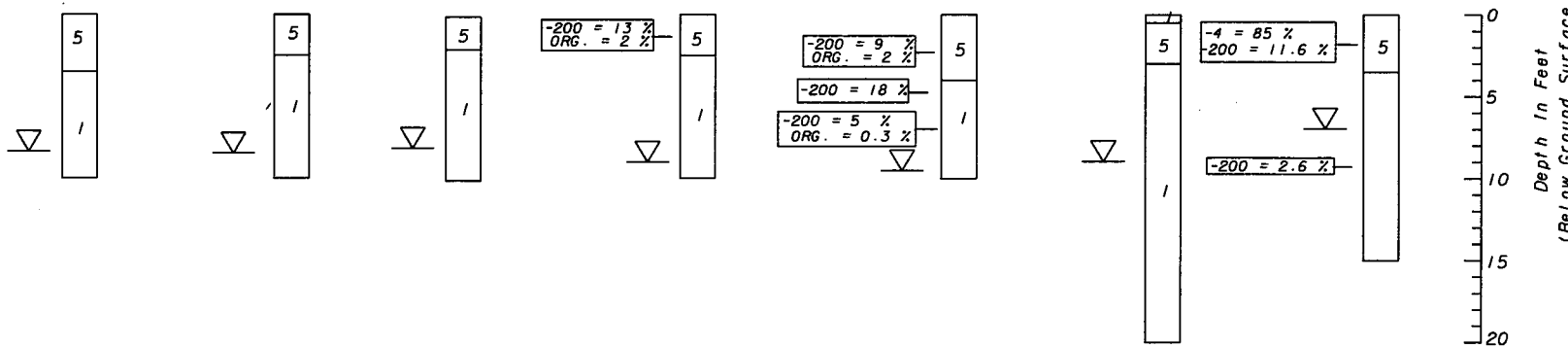
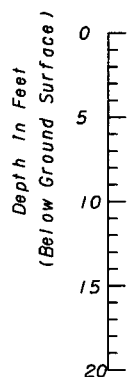
- ▽ = Water Table
- ▽▽ = SHWT (Seasonal High Water Table)
- ⊙ = Auger Boring Location
- ▣ = Asphalt



BORING NO.	AB-11	BORING NO.	AB-12	BORING NO.	AB-13	BORING NO.	AB-14	BORING NO.	AB-15
Sta.	120+50	Sta.	120+50	Sta.	122+00	Sta.	122+00	Sta.	122+00
	160.0' Rt.		185.0' Rt.		85.0' Rt.		120.0' Rt.		150.0' Rt.
	09/15/03		09/15/03		09/15/03		09/15/03		09/15/03



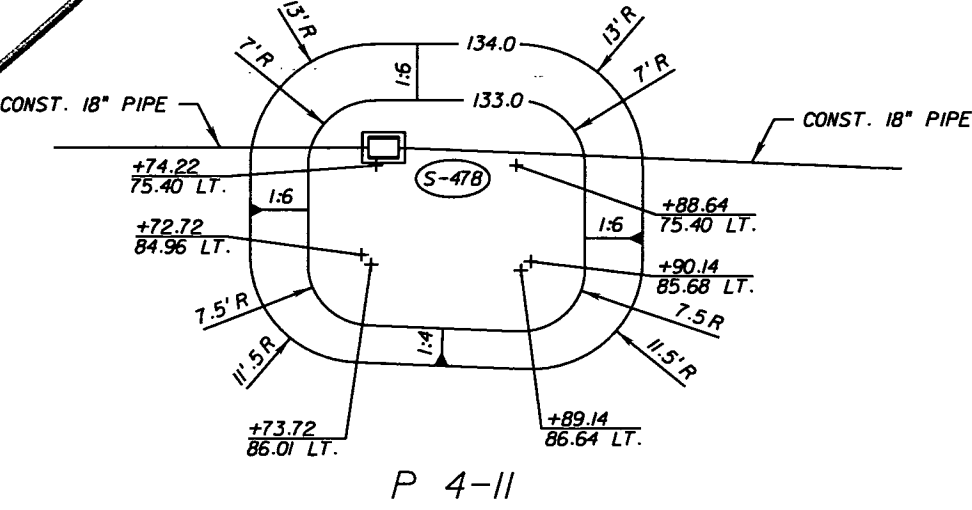
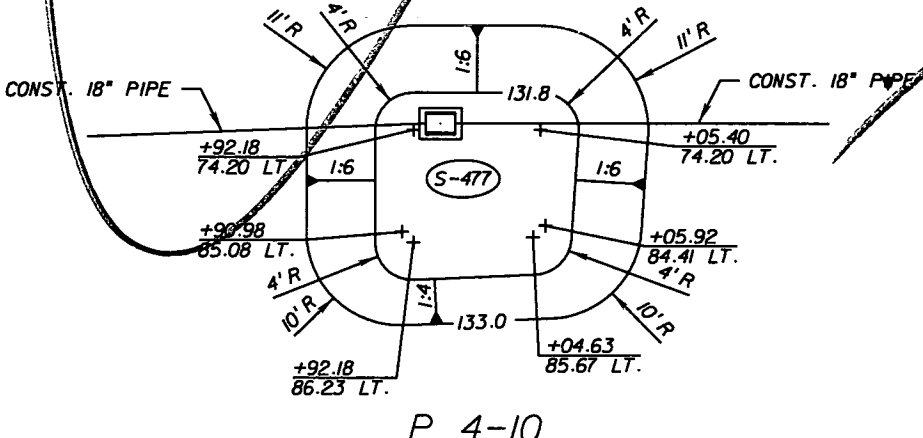
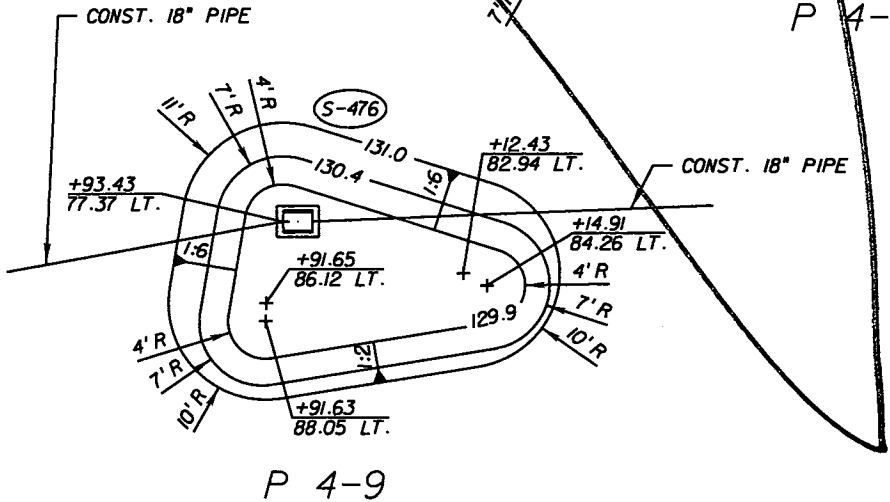
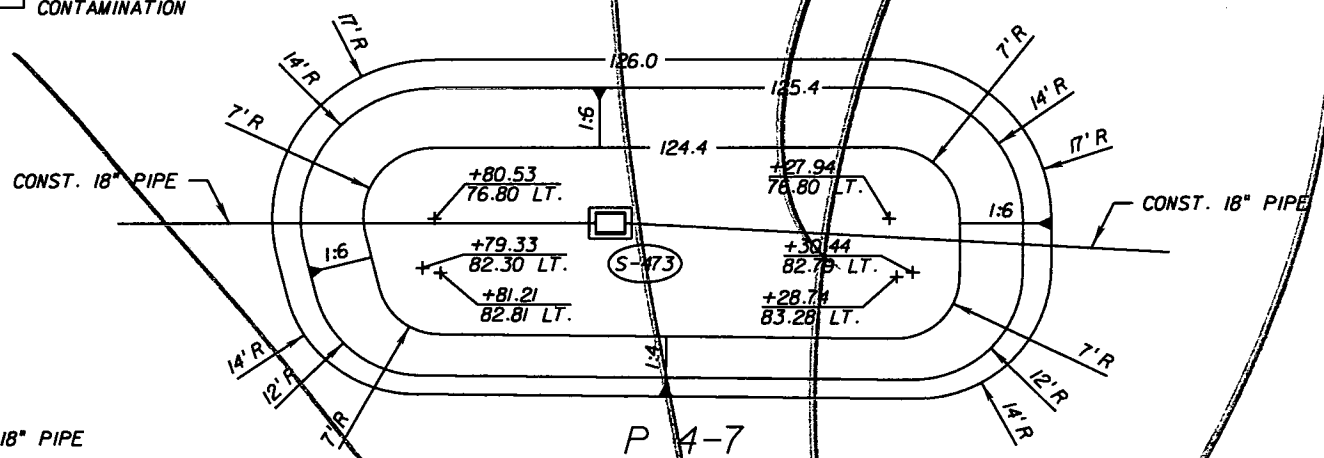
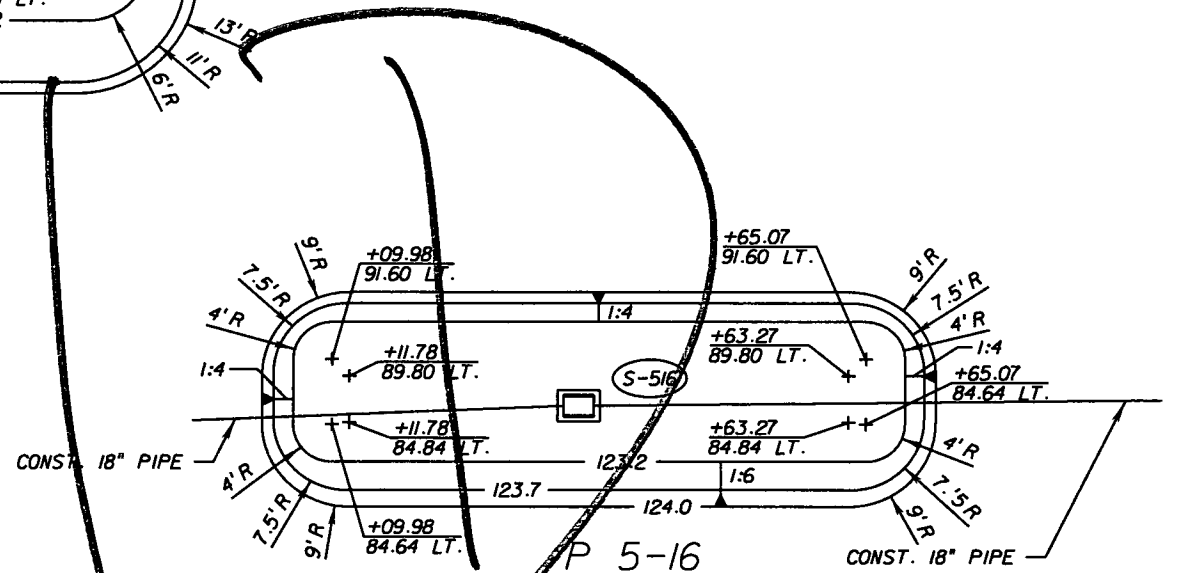
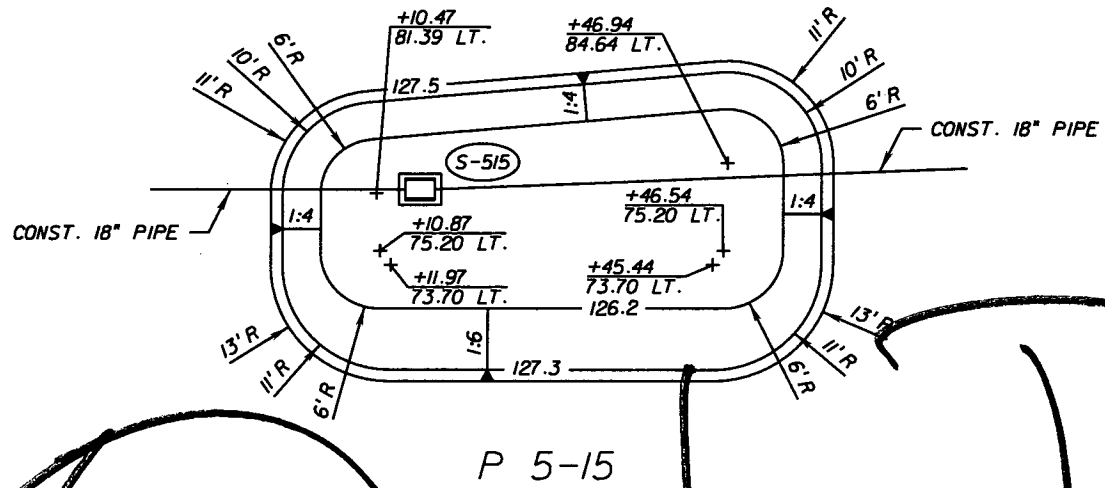
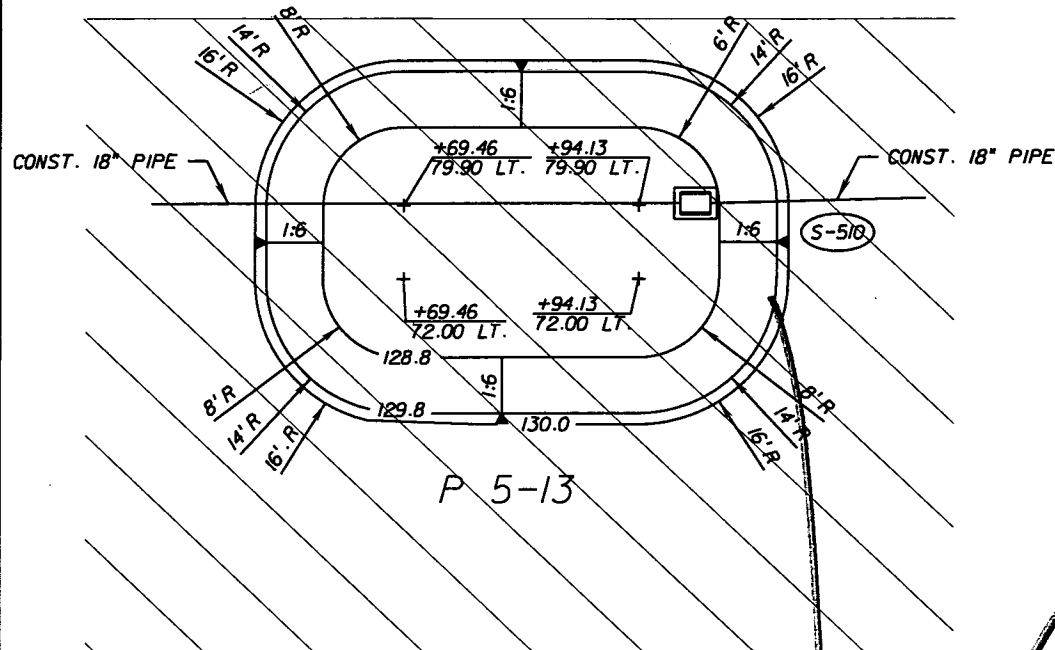
BORING NO.	AB-16	BORING NO.	AB-17	BORING NO.	AB-18	BORING NO.	AB-19	BORING NO.	AB-20	BORING NO.	AB-21	BORING NO.	AB-22
Sta.	123+00	Sta.	123+00	Sta.	123+00	Sta.	123+50	Sta.	123+50	Sta.	123+85	Sta.	123+85
	120.0' Rt.		130.0' Rt.		90.0' Rt.		90.0' Rt.		125.0' Rt.		135.0' Rt.		145.0' Rt.
	09/16/03		09/15/03		09/16/03		09/16/03		09/16/03		11/07/02		08/07/03



SHEET 2 OF 2

REVISIONS				ENGINEER OF RECORD:		STATE OF FLORIDA			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DEPARTMENT OF TRANSPORTATION			REPORT OF AUGER BORINGS SHEET FOR POND 4-1		
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:		SHEET NO.
						25	HIGHLANDS	194485-1-52-01	SR 25		134

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



AREA OF POTENTIAL CONTAMINATION

SCALE: 1" = 20'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

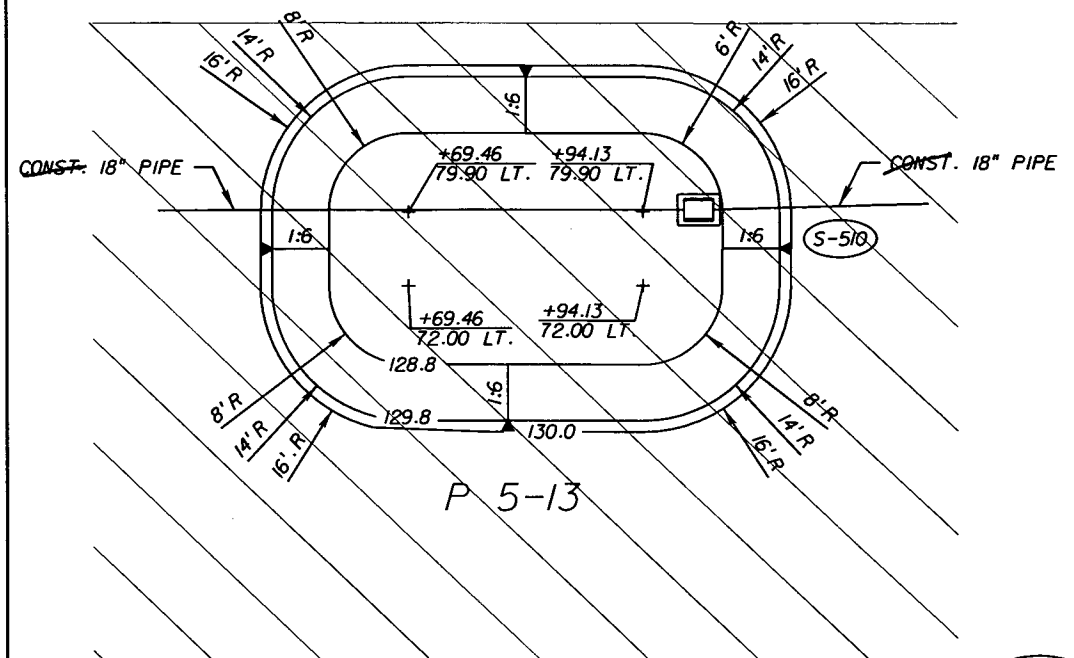
Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

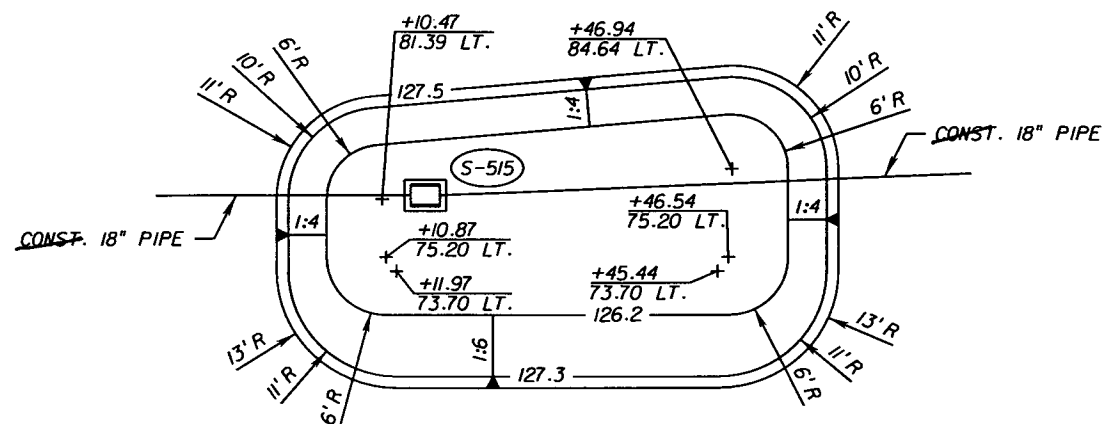
POND DETAILS (7)

SHEET NO.
135

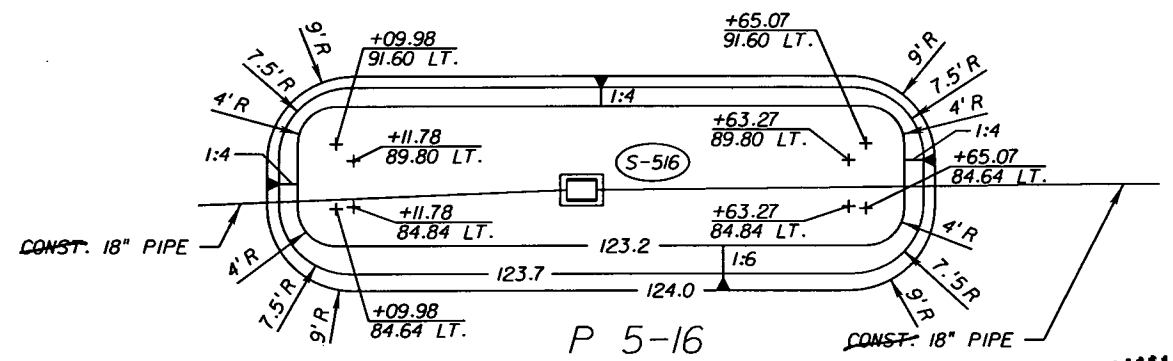
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.



P 5-13

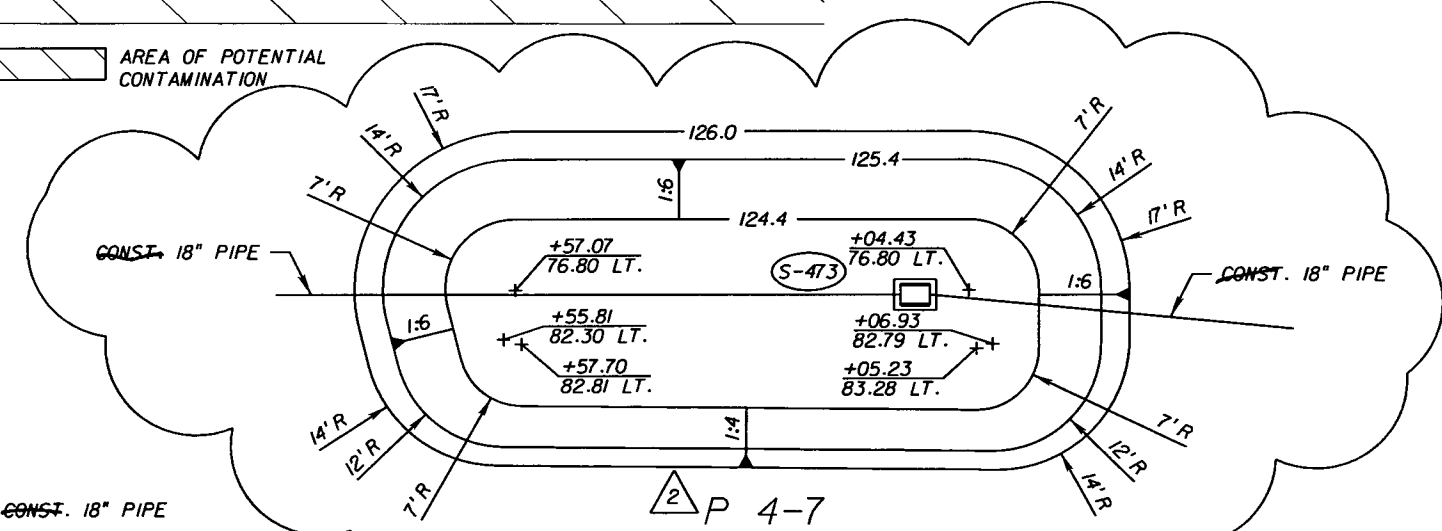


P 5-15

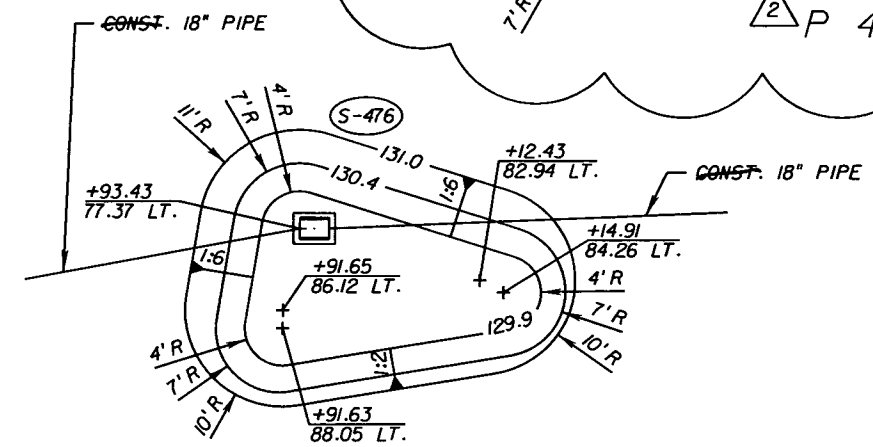


P 5-16

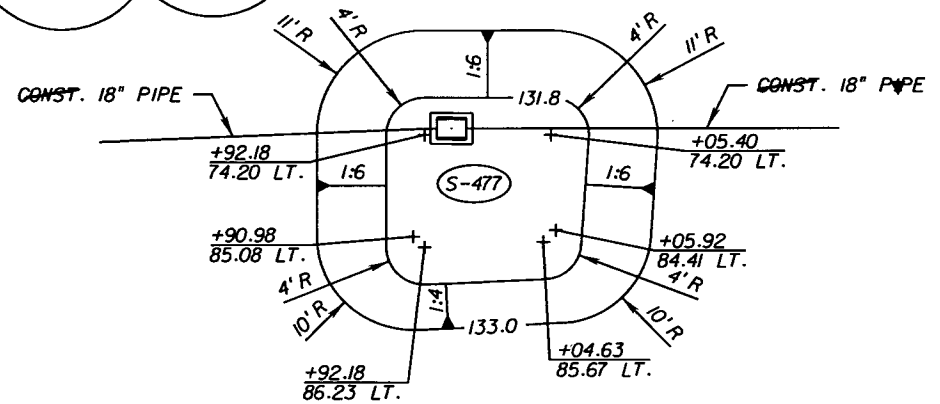
AREA OF POTENTIAL CONTAMINATION



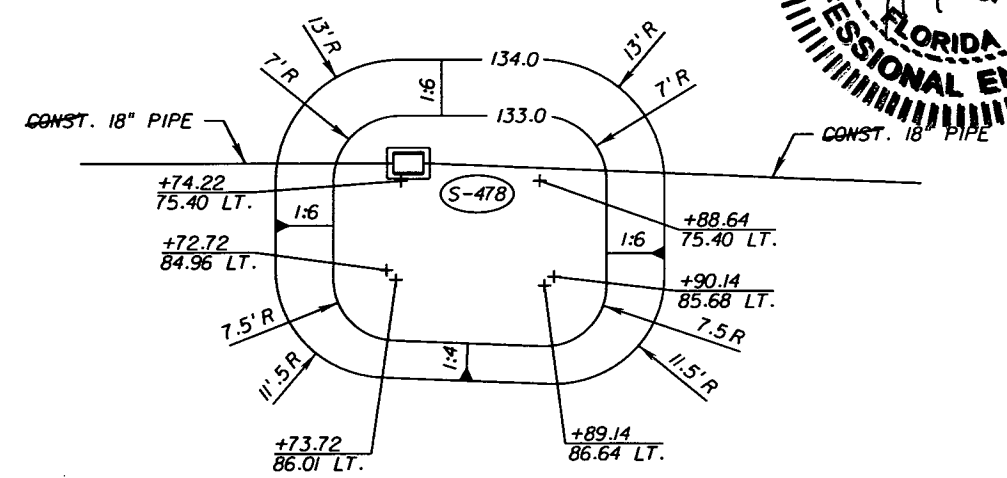
P 4-7



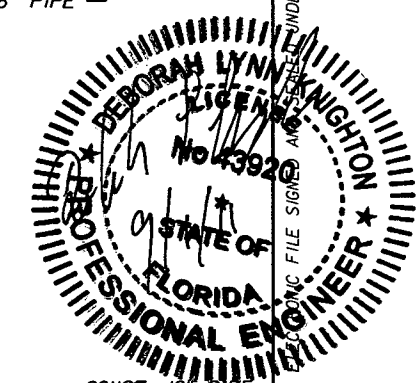
P 4-9



P 4-10



P 4-11



SCALE: 1" = 20'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
9-6-11	DK	2 SHIFTED P 4-7 TO THE SOUTH			

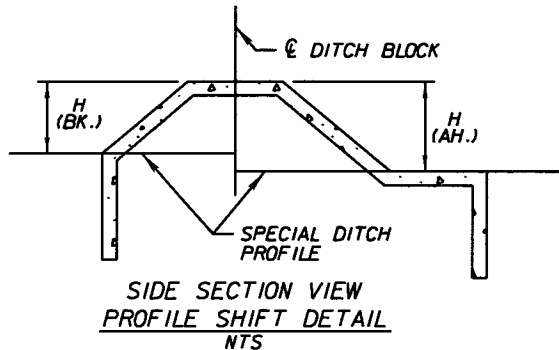
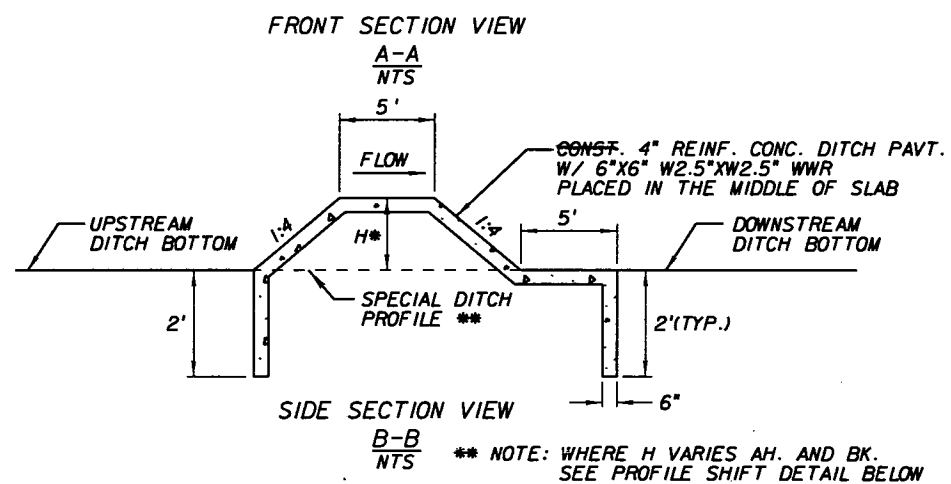
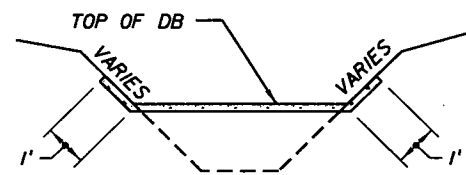
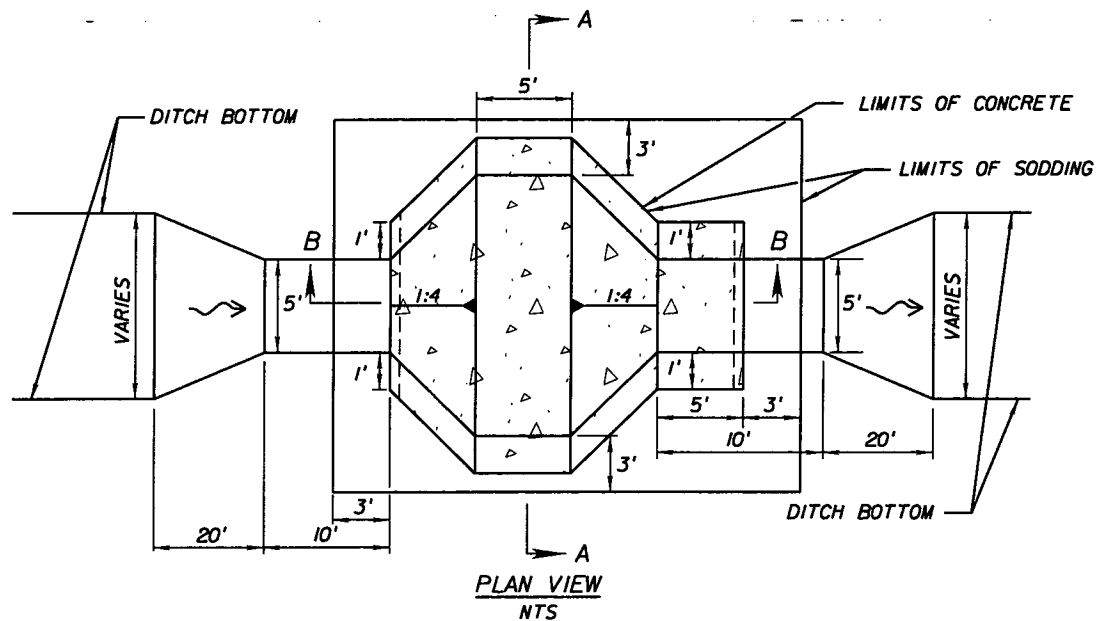
Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

POND DETAILS (7)

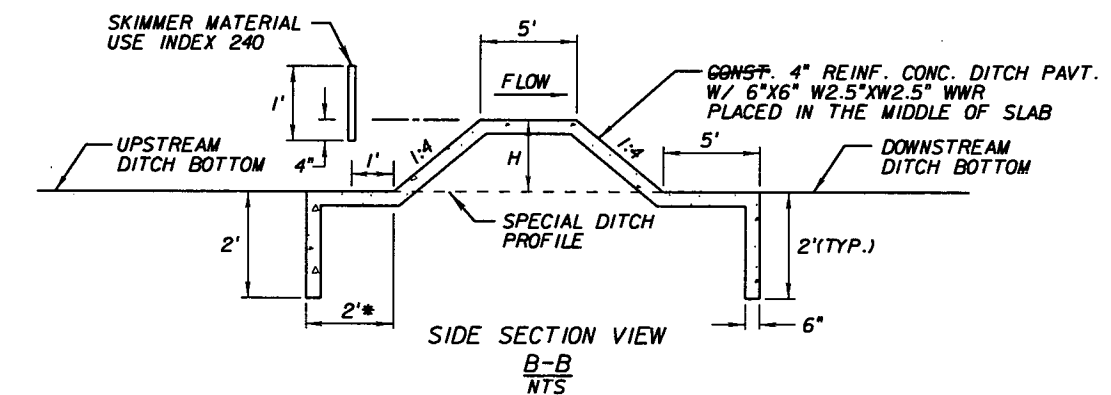
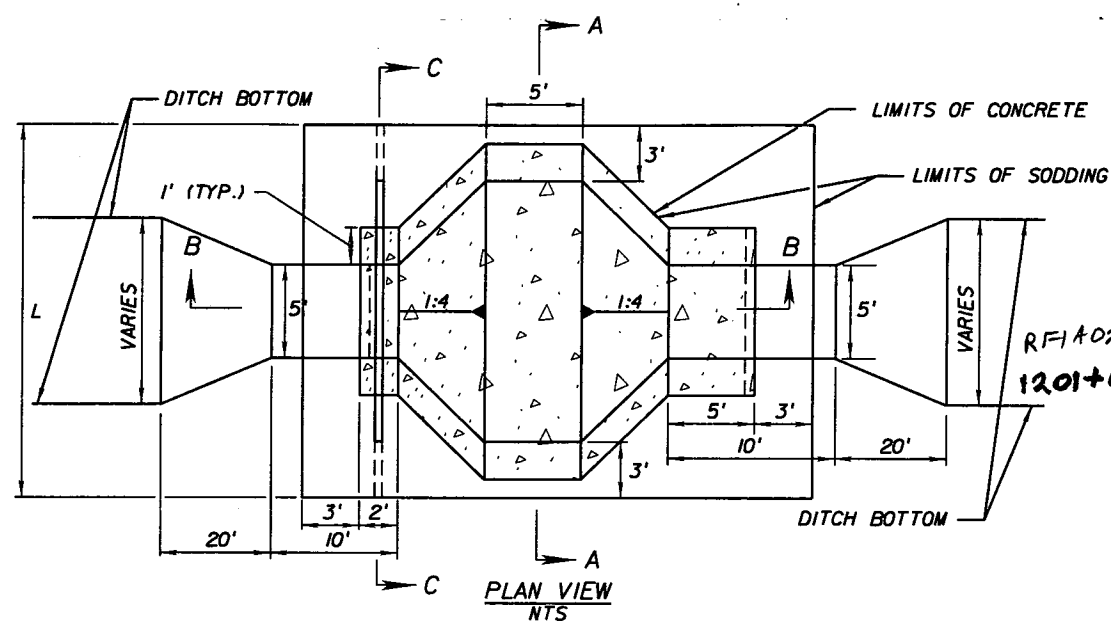
SHEET NO.
135

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNATURE UNDER RULE 61G15-23.003, F.A.C.

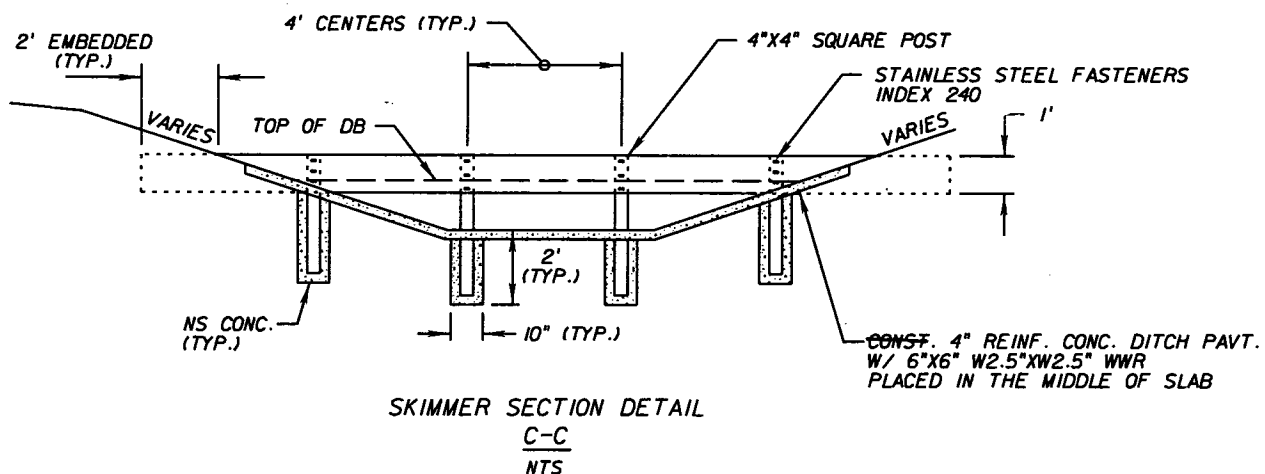


\* NOTE: SEE SUMMARY OF QUANTITIES FOR DITCH BLOCK LOCATIONS AND DIMENSIONS

DITCH BLOCK DETAIL

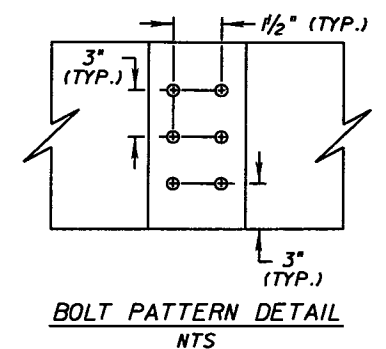
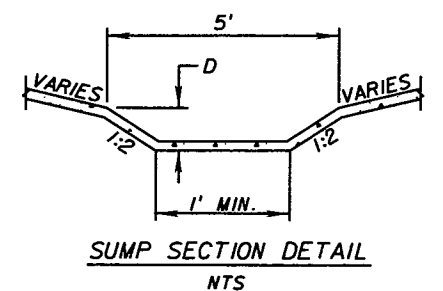
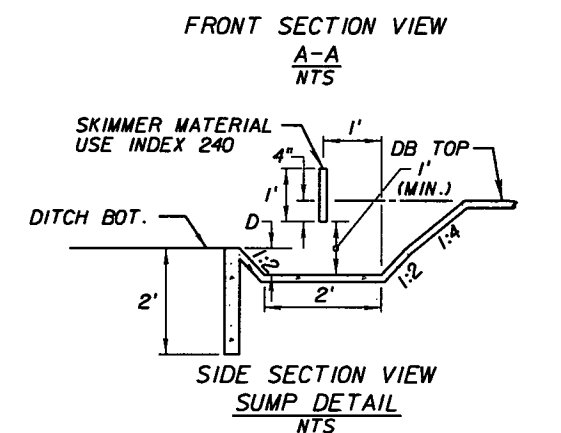
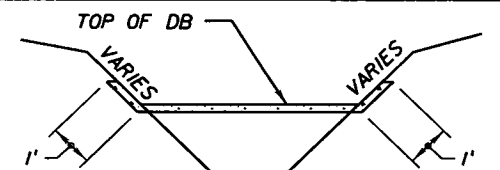


\* NOTE: FOR DITCH BLOCKS WITH SUMPS, SEE SUMP DETAILS



DITCH BLOCK DETAIL W/ SKIMMER

SKIMMER AND SUMP DATA				
LOCATION	SIDE	AH./BK.	SKIMMER	SUMP
			L (FT.)	D (FT.)
1059+00	LT.	AH.	26.0	N/A
1061+00	RT.	AH.	17.8	0.6
1095+00	LT.	AH.	22.5	N/A
1108+00	RT.	AH.	24.0	N/A
1176+00	RT.	BK.	17.0	1.0
1178+00	RT.	AH.	17.0	0.6
1198+00	RT.	BK.	24.0	0.8
<del>1199+00</del>	LT.	BK.	24.0	0.6
34+00	LT.	BK.	17.0	0.6
TOTAL			189.3	



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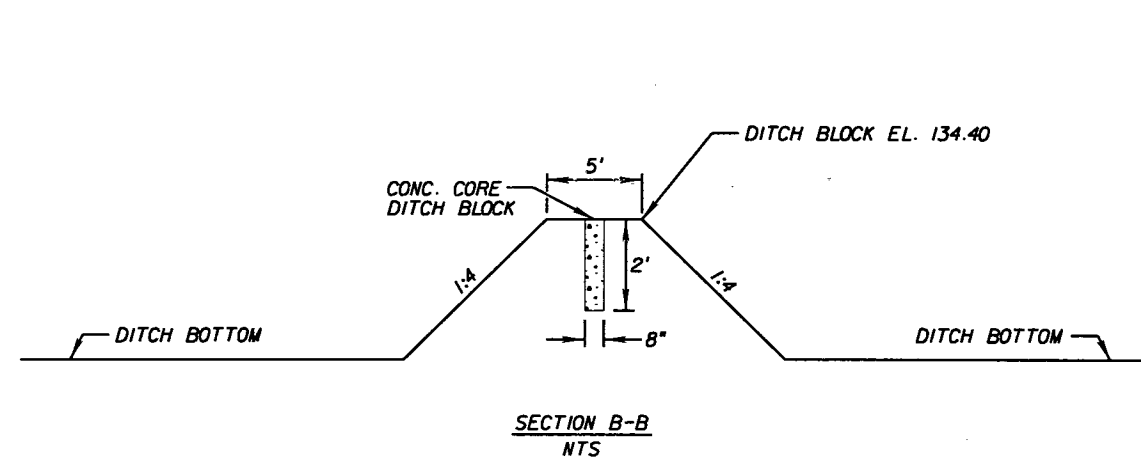
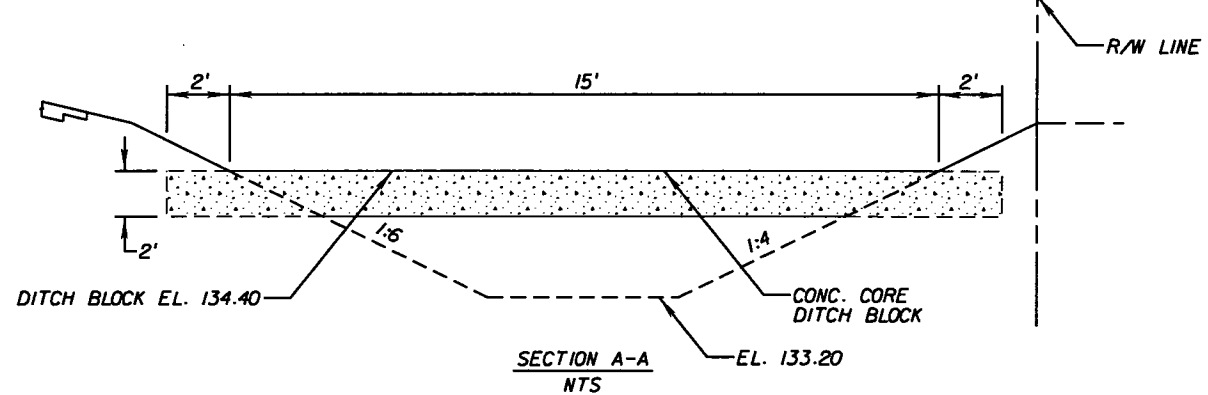
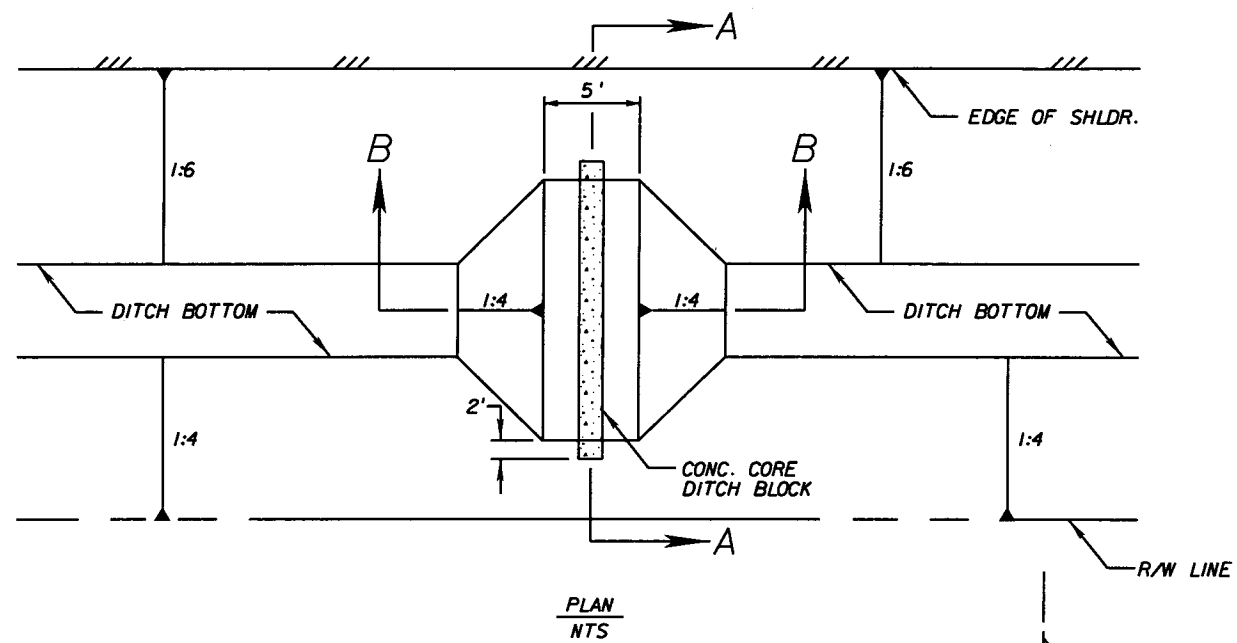
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

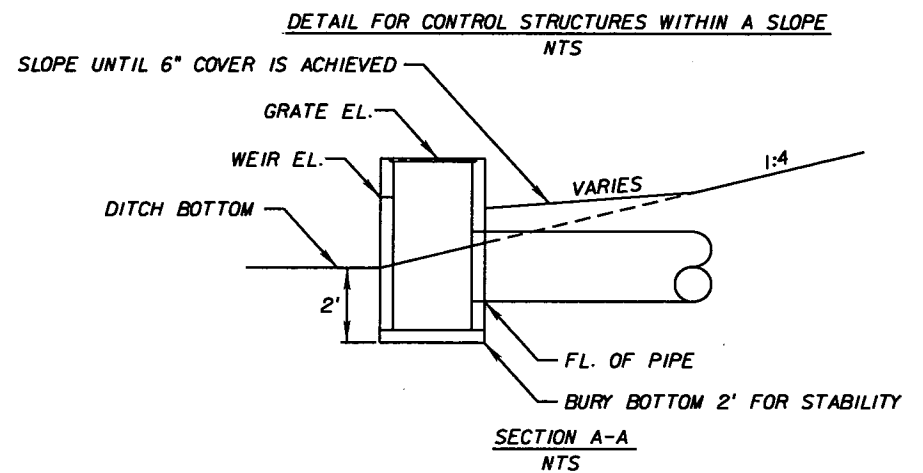
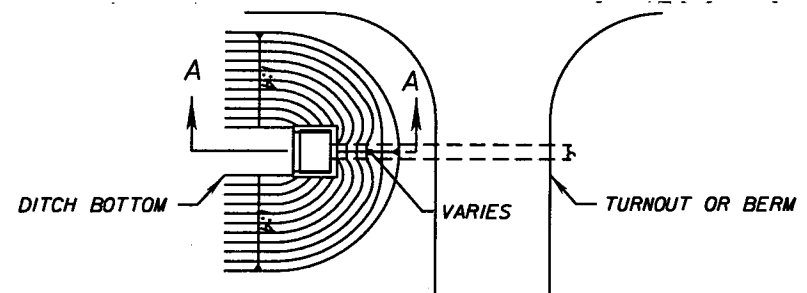
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

DRAINAGE DETAILS (I)

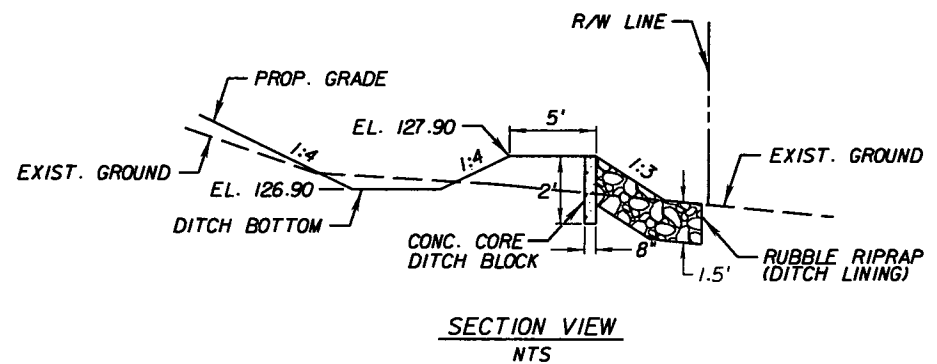
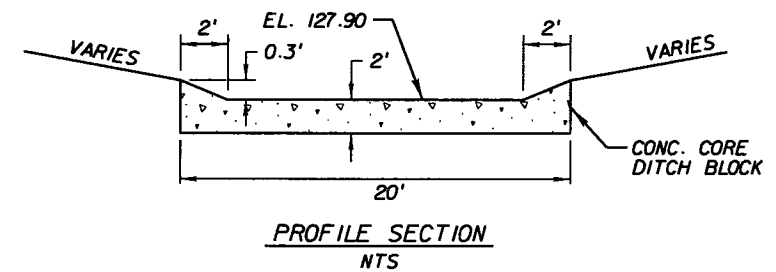
SHEET NO.  
136



**SPECIAL DITCH BLOCK DETAIL**  
STA. 1161+00 RT.



**CONTROL STRUCTURE GRADE DETAIL**



**CONCRETE WEIR DETAIL**  
STA. 1176+90 - STA. 1177+10 RT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

*Faller, Davis & Associates, Inc.*  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

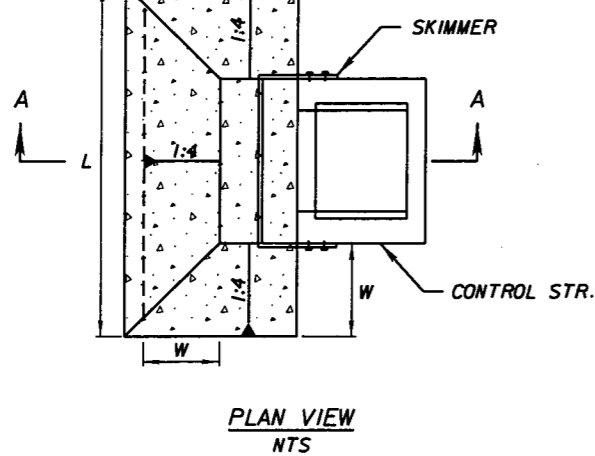
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**DRAINAGE DETAILS (2)**

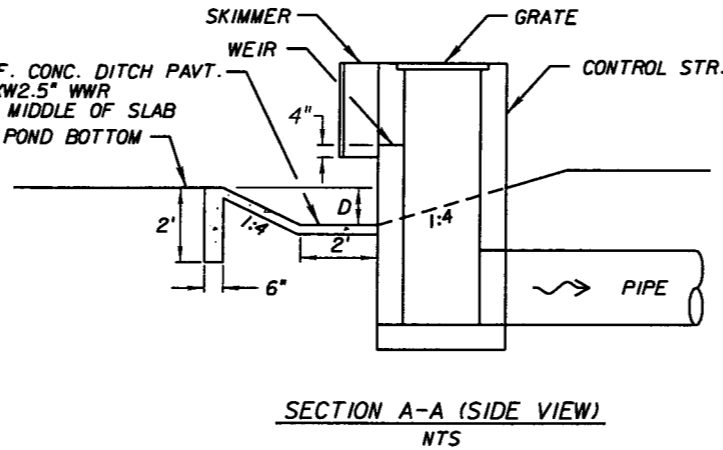
SHEET NO.  
137

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

CONST. 4" REINF. CONC. DITCH PAVT.  
W/ 6"x6" W2.5"xW2.5" WWR  
PLACED IN THE MIDDLE OF SLAB



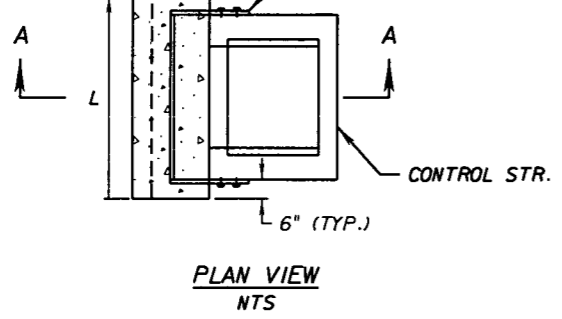
CONST. 4" REINF. CONC. DITCH PAVT.  
W/ 6"x6" W2.5"xW2.5" WWR  
PLACED IN THE MIDDLE OF SLAB  
DITCH / POND BOTTOM



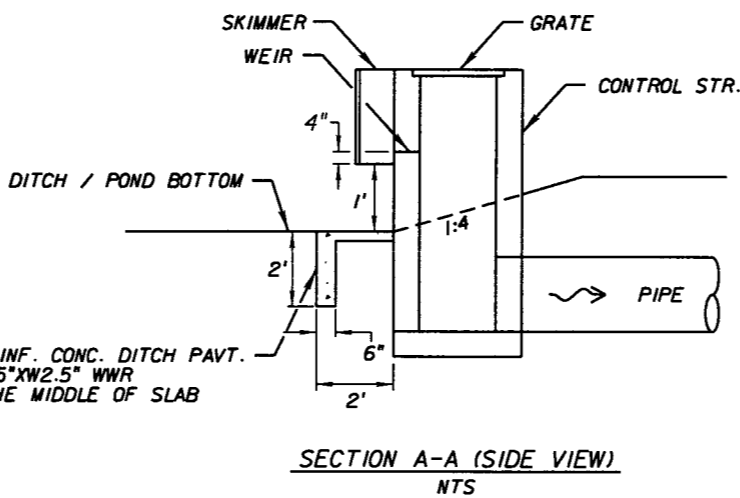
SUMP DATA				
LOCATION	SIDE	D (FT.)	L (FT.)	W (FT.)
1094+00	LT.	0.8	9.4	3.2
1107+50	LT.	0.4	6.6	1.6
1123+42	RT.	0.9	12.3	3.6
1142+22	LT.	1.5	15.0	2.0
1142+22	RT.	0.5	7.0	2.0
14+28.58	RT.	2.5	25.1	10.0

CONTROL STRUCTURE DETAIL W/ CONC. SUMP

CONST. 4" REINF. CONC. DITCH PAVT.  
W/ 6"x6" W2.5"xW2.5" WWR  
PLACED IN THE MIDDLE OF SLAB

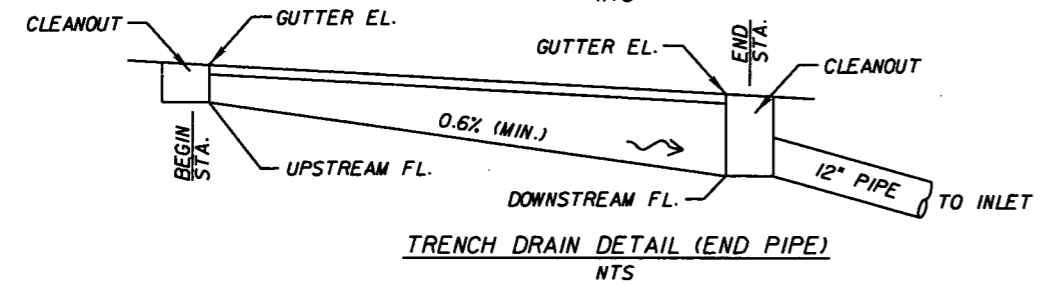
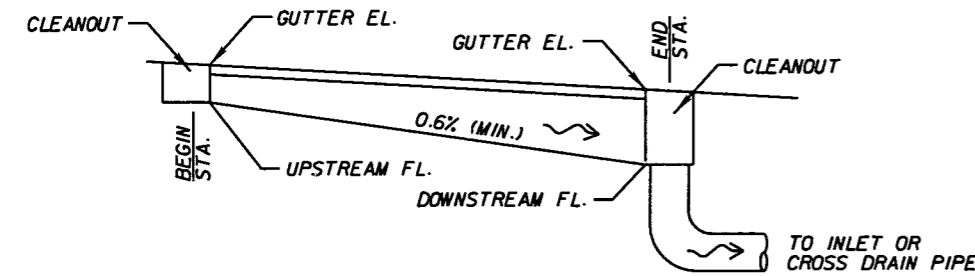


CONST. 4" REINF. CONC. DITCH PAVT.  
W/ 6"x6" W2.5"xW2.5" WWR  
PLACED IN THE MIDDLE OF SLAB



CONC. DITCH PAVT. LOCATION		
LOCATION	SIDE	L (FT.)
1105+70	LT.	6.1

CONTROL STRUCTURE DETAIL W/ DT. PAVT.



TRENCH DRAIN DATA						
STA. - STA.	SIDE	Q	BK.		AH.	
		CFS	GUTTER EL.	FL.	GUTTER EL.	FL.
1095+85 - 1096+45	RT.	0.15	118.48	116.30	117.84	116.00
1100+70 - 1100+92	RT.	0.44	115.66	113.91	115.56	113.78
1105+50 - 1106+70	LT.	0.38	111.83	110.05	111.62	109.30
1106+70 - 1107+25	RT.	0.27	111.56	109.55	111.24	109.20

NOTE: TRENCH DRAIN LENGTHS, FLOW LINES, AND GUTTER ELEVATIONS MAY BE ADJUSTED TO MATCH FIELD CONDITIONS AND/OR PER SUPPLIER'S DESIGN RECOMMENDATIONS. ADJUSTMENTS REQUIRE ENGINEER'S APPROVAL. THE TRENCH DRAIN GRATE SHALL NOT BE SET ABOVE THE PROPOSED GUTTER FLOW LINE.

REFER TO SUMMARY OF QUANTITIES, SUMMARY OF TRENCH DRAIN, FOR ADDITIONAL DETAILS

TRENCH DRAIN DETAIL

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-11-11	DK	1 DRAINAGE DESIGN CHANGES TO ACCOMMODATE MEDIAN OPENING REVISIONS			

Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1701  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

DRAINAGE DETAILS (3)

SHEET NO.  
138

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

DATE OF SURVEY: 6/13/01 - 6/19/01 & 5/25/02 - 11/7/02  
 SURVEY MADE BY: Cory Kirkland  
 SUBMITTED BY: Teresa N. Puckett, P.E.

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 MATERIALS AND RESEARCH

DISTRICT: One  
 ROAD NO.: 25  
 COUNTY: Highlands

FINANCIAL PROJECT ID : 194485-1-52-01  
 PROJECT NAME: SR 25

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

SURVEY BEGINS STA. : 53+40 SURVEY ENDS STA. : 201+48.77

REFERENCE: Baseline Survey

STRATUM NO.	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENT PASS					ATTERBERG LIMITS (%)			DESCRIPTION	CORROSION TEST RESULTS						
	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT		PLASTIC INDEX	AASHTO GROUP	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm	SULFATES ppm	pH
1	20	1.6-2	--						13.9-4.6	7.1-1.8	--	----	NP	A-3	Tan, Gray, Orange and Brown Sand with trace Organics.	35	85,000-9,000	60	125-1	10-6.1
2	--	----	--		41	100-99	89.6-73.9	52-20.6	34.2-19.2	29.3-15.8	7	30-21	15-5	A-2-4/A-2-6	Tan, Orange and Gray Clayey Sand.	11	39,000-8,400	60	1,056-6	8.1-4.8
3	3	1.3-6	--		11	100	90.5-79.8	65.4-45.3	29.4-10.1	23.9-5.9	--	----	NP	A-3/A-2-4	Gray and Gray, Tan, Orange and Gray Sand with trace Organics with some Shell and Limestone.	5	21,000-12,000	60	2,748-7.2	9-6.4
4	1	16.2	1	88.2	12	100-85.8	93.1-71.2	64.7-41.4	23.9	20.4	--	----	NP	A-8	Muck (Dark Brown Organic Sand).	--	----	----	----	----
5	2	2.1-1.5	--		1	100	80.9	44.3	25-12	18-9	3	----	NP	A-2-4	Brown and Gray Sand with construction debris and trace Organics.	3	4,000	120-60	1,514-957	10.9

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE. MAKE FINAL CHECK AFTER GRADING.

∇ - WATER TABLE ENCOUNTERED

GNE - GROUNDWATER NOT ENCOUNTERED

The material from Strata Number 1 and 3 appear satisfactory for use in the embankment when utilized in accordance with Index 505. However, the material from Stratum 3 is likely to retain excess moisture and be difficult to dry and compact. It should be used in the embankment above the water level existing at the time of construction.

The material from Strata Number 2 is Plastic A-2-4/A-2-6 and may be placed above the existing water level at the time of construction to within 4 feet of the proposed base. It should be placed uniformly in the lower portion of the Embankment for some distance along the project rather than full depth for shorter distances.

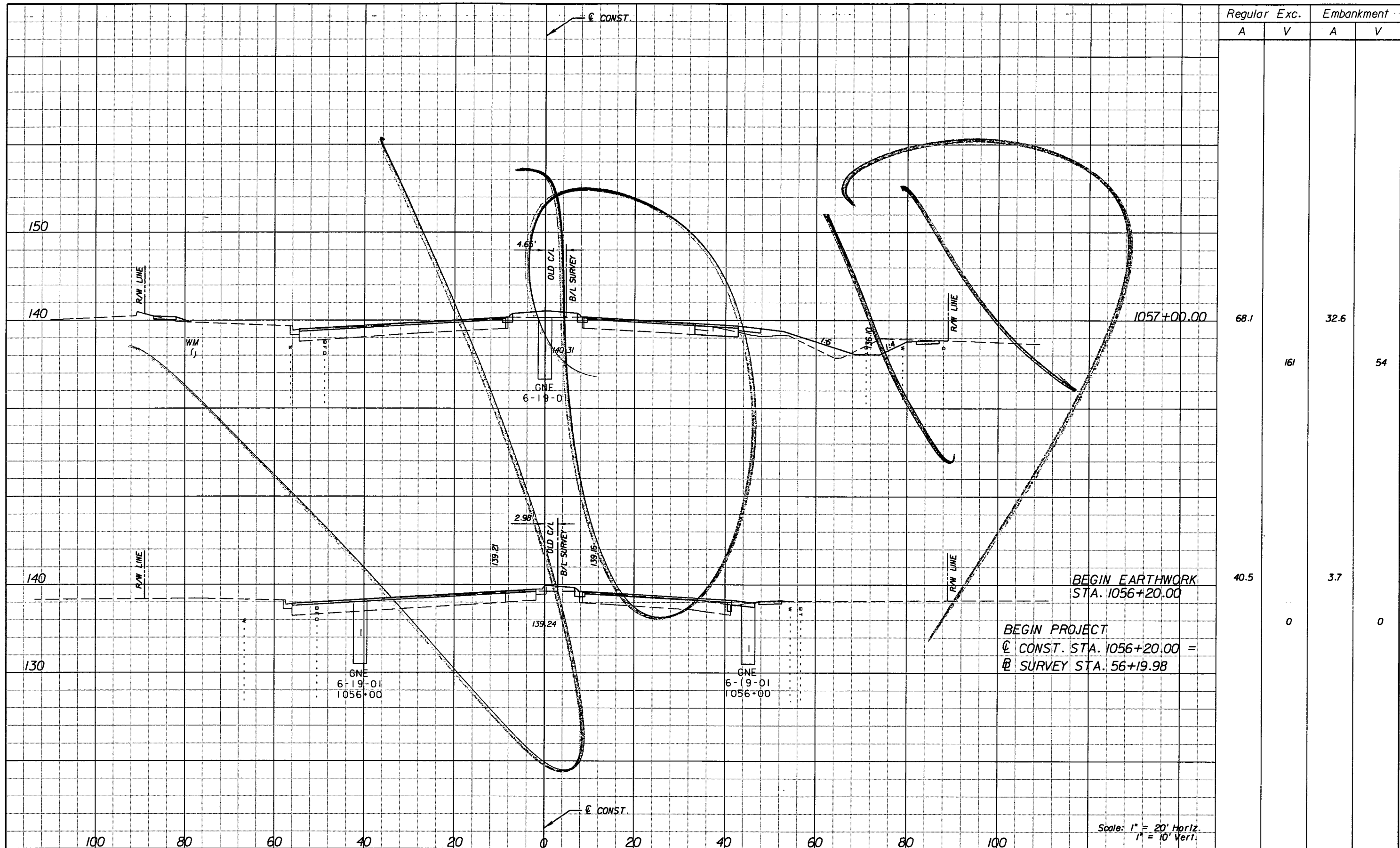
The material from Strata Number 4 is Muck A-8 material and shall be removed if encountered during the excavation and installation of drainage structures.

The material from Strata Number 5 is A-2-4 material with construction debris consisting of but no limited to Concrete, Rock and Asphalt. This material may be used in the Embankment providing all the debris is removed by screening. However, this material is likely to retain excess moisture and be difficult to dry and compact. It should be used in the embankment above the water level existing at the time of construction.

REVISIONS				ENGINEER OF RECORD: Teresa Nelson Puckett, P.E. #44762 FLA. DEPT. OF TRANSPORTATION MATERIALS OFFICE DISTRICT 1 801 N. Broadway Ave. Barlow, Florida 33830-3809 (863) 519-4246	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SOILS SURVEY	SHEET NO. 139
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					25	HIGHLANDS	194485-1-52-01		

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Regular		Exc.		Embankment	
A	V	A	V	A	V
68.1				32.6	
	161				54
40.5				3.7	
	0				0

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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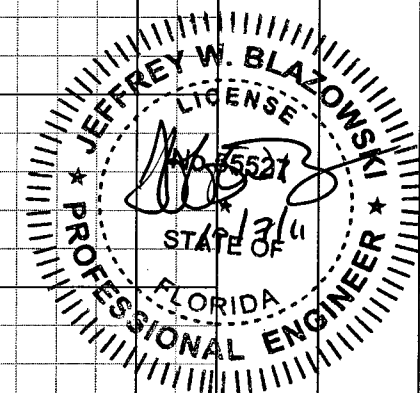
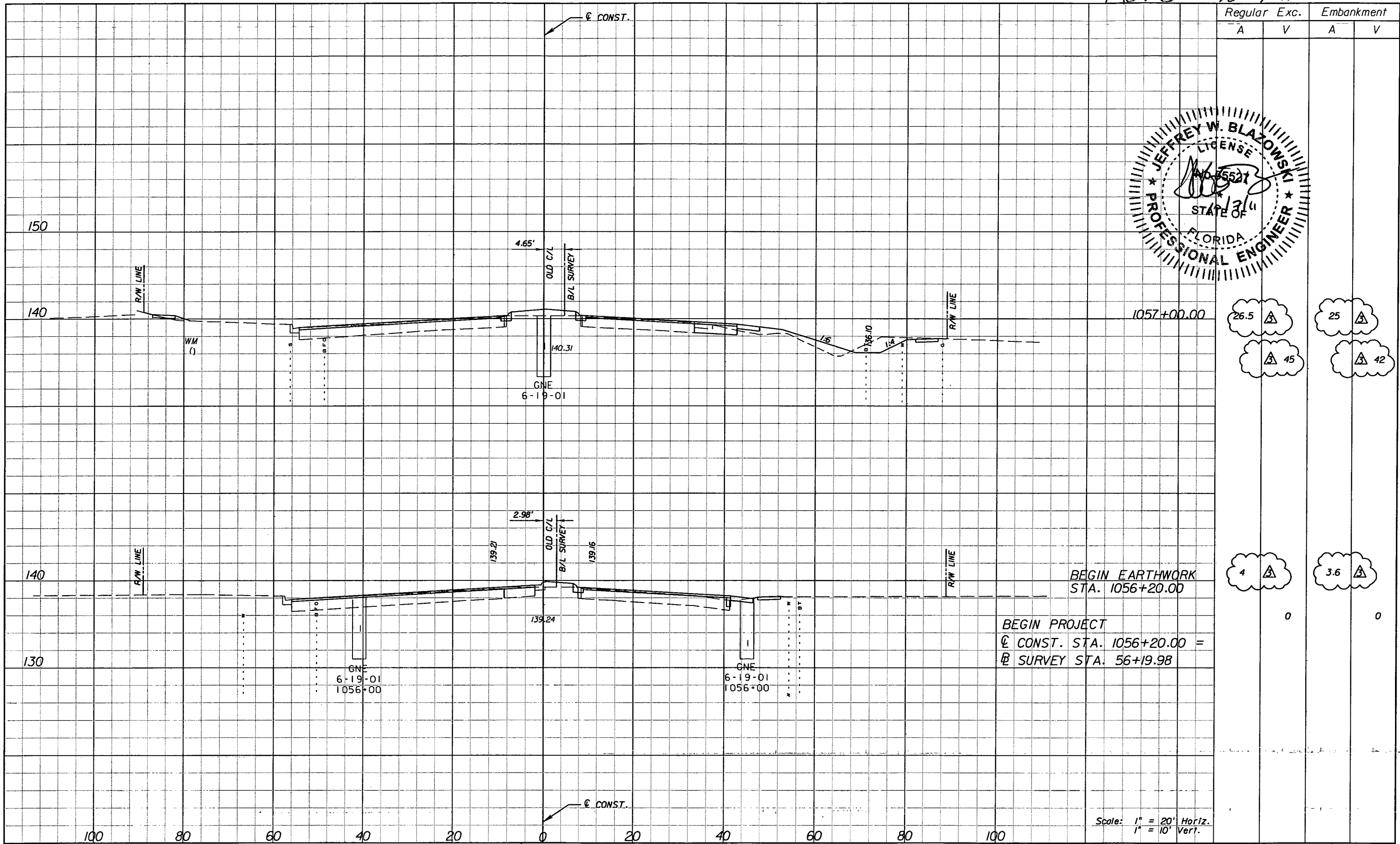
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
140

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Rev 3 10-7-11



Regular		Exc.		Embankment	
A	V	A	V	A	V
26.5	△	25	△		
45	△	42	△		
4	△	3.6	△		

BEGIN EARTHWORK  
STA. 1056+20.00

BEGIN PROJECT  
C CONST. STA. 1056+20.00 =  
B SURVEY STA. 56+19.98

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
10/7/11	JWB	△ REVISED EARTHWORK.			

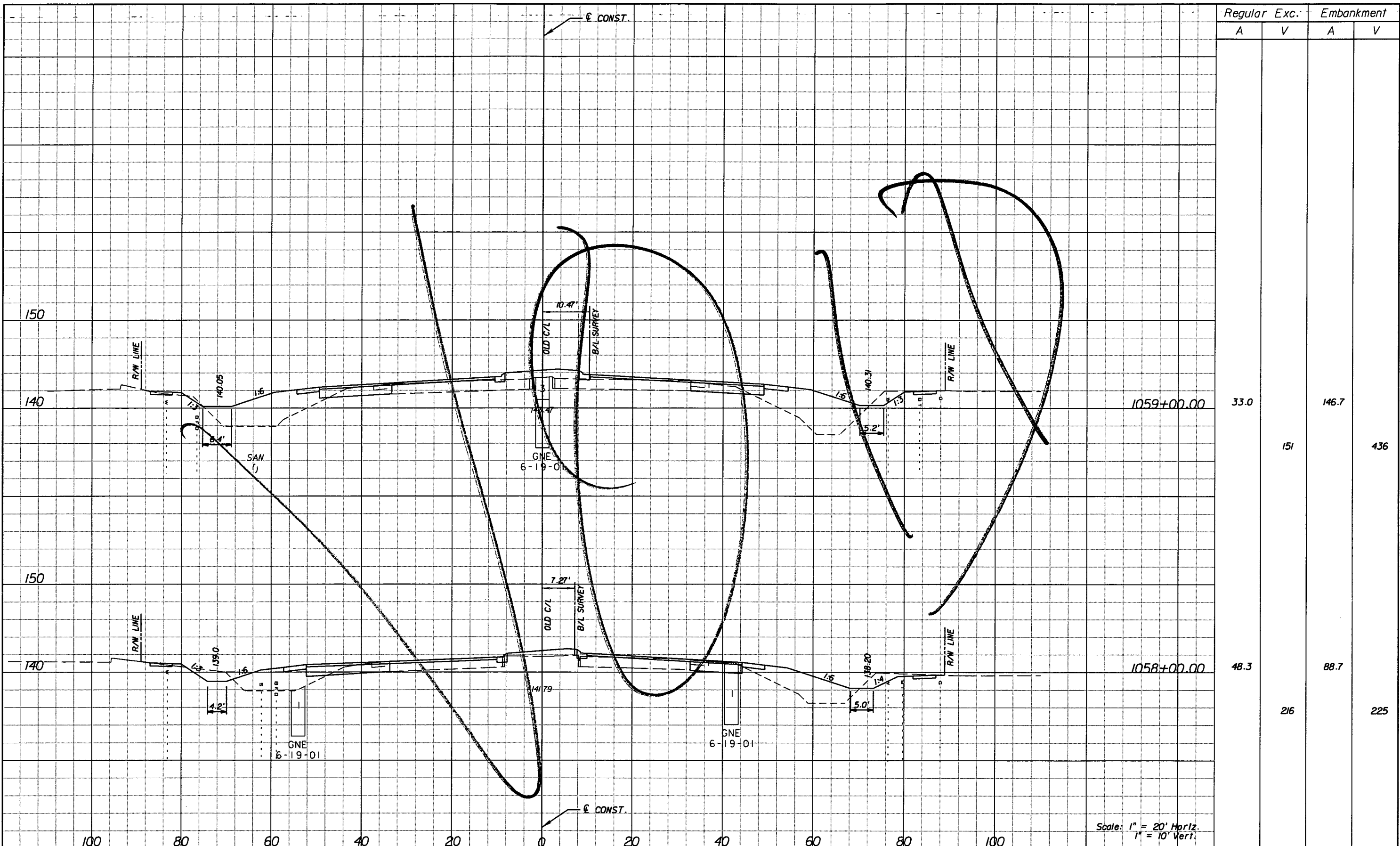
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO. 140

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Regular Exc.		Embankment	
A	V	A	V
33.0	151	146.7	436
48.3	216	88.7	225

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
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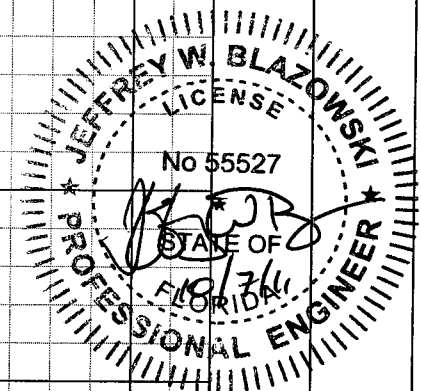
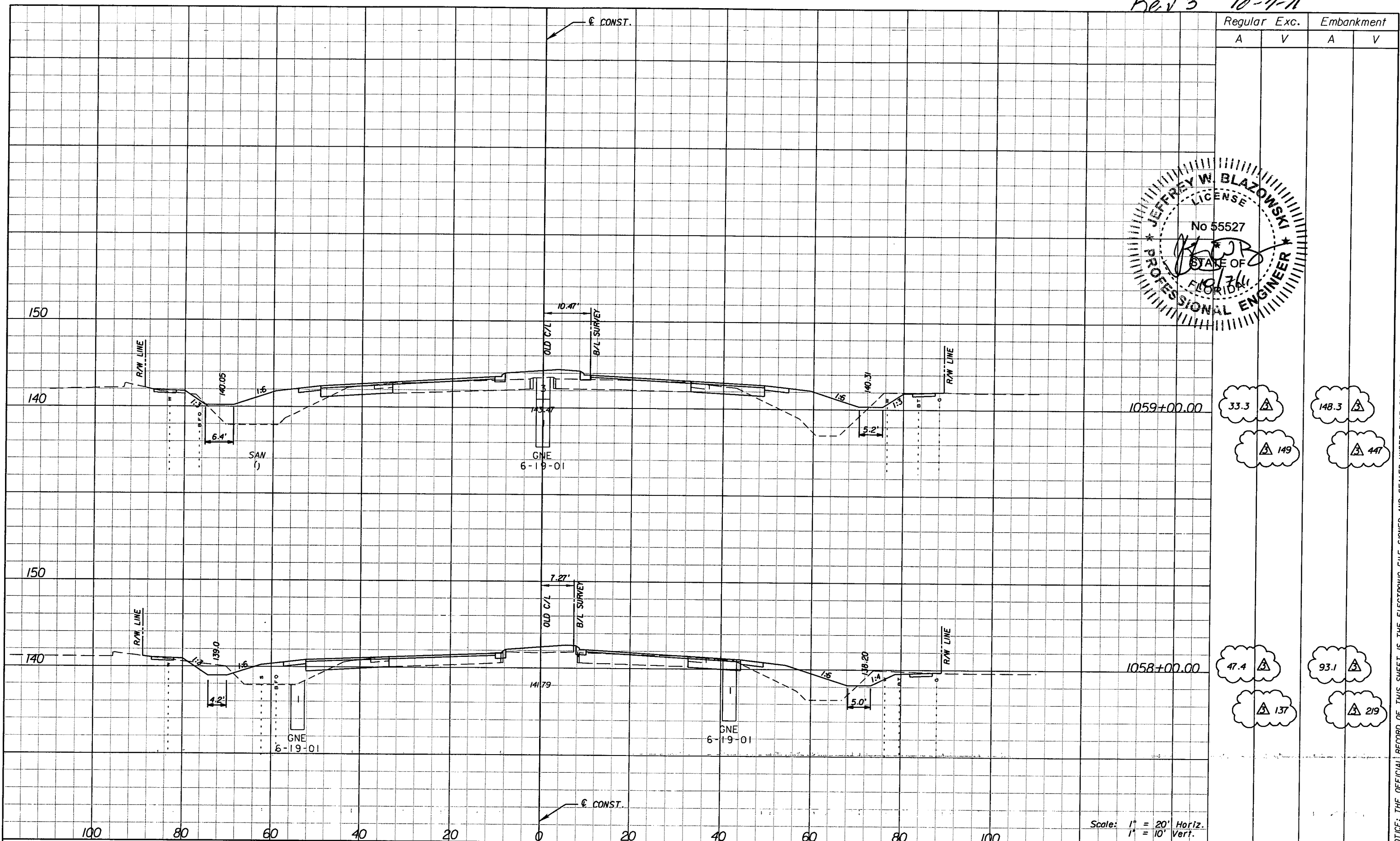
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
141

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Rev 3 10-7-11



Regular		Exc.		Embankment	
A	V	A	V	A	V
33.3	149	148.3	447		
47.4	137	93.1	219		

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
10/7/11	JWB	Δ		REVISED EARTHWORK.	

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO. 141

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Regular		Exc.		Embankment	
A	V	A	V	A	V
43.7				121.1	
	169				418
47.7				104.8	
	149				466

REVISIONS					
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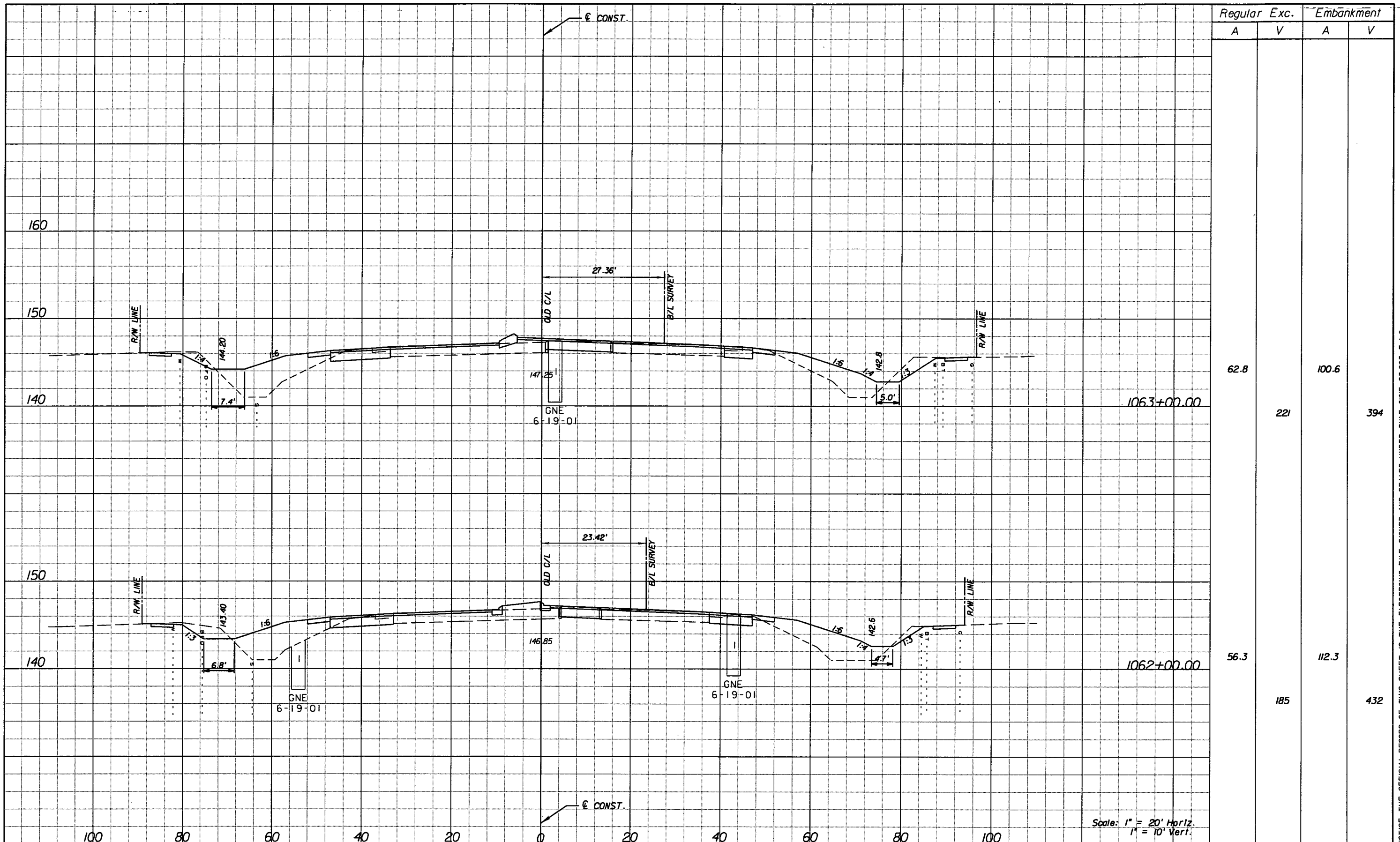
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
142

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Regular		Exc.		Embankment	
A	V	A	V	A	V
62.8				100.6	
	221				394
56.3				112.3	
	185				432

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

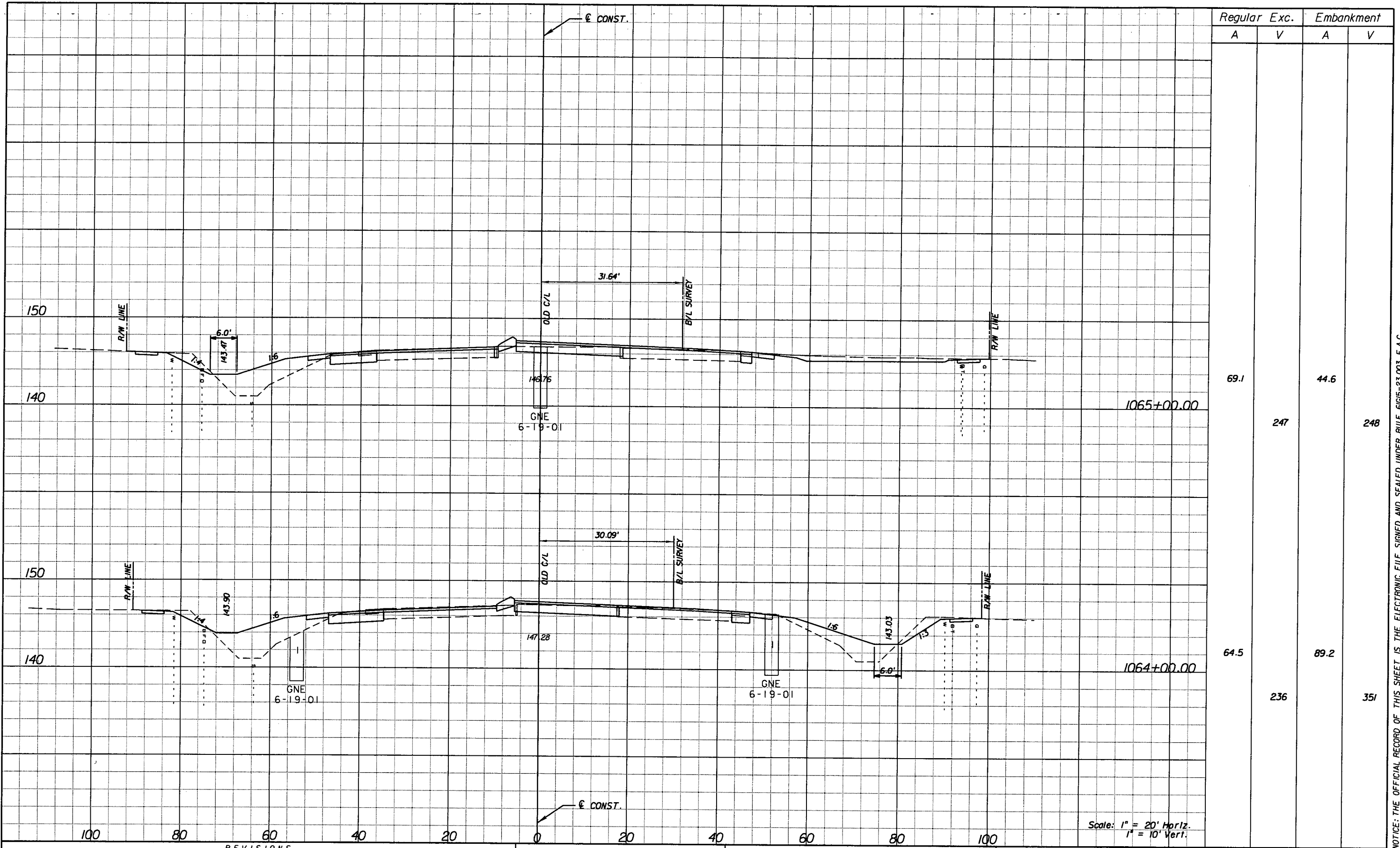
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
143

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Regular		Exc.		Embankment	
A	V	A	V	A	V
69.1				44.6	
	247				248
64.5				89.2	
	236				351

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
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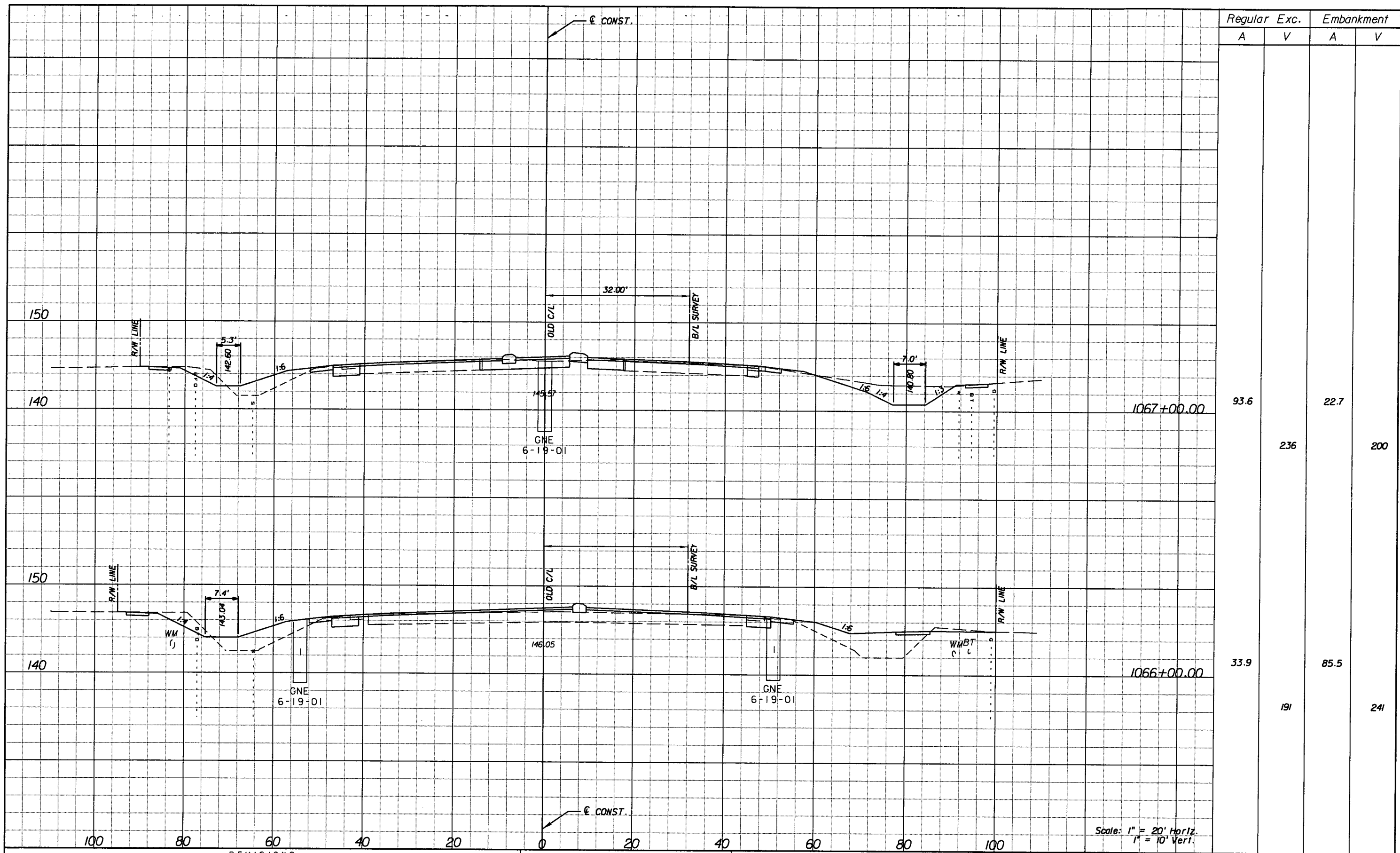
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
144

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Regular		Exc.		Embankment	
A	V	A	V	A	V
93.6				22.7	
	236				200
33.9				85.5	
	191				241

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

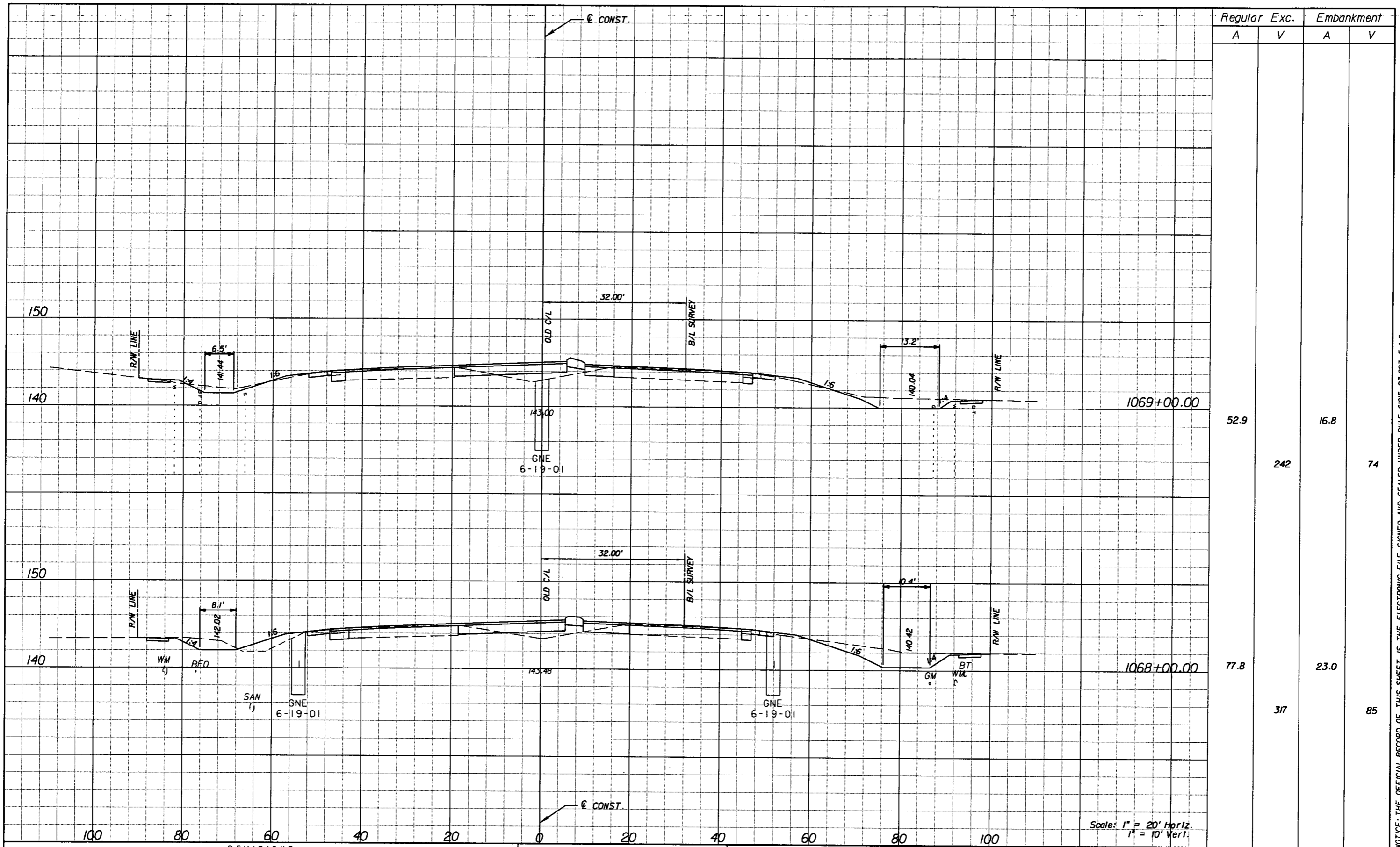
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
145

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Regular		Exc.		Embankment	
A	V	A	V	A	V
52.9				16.8	
	242				74
77.8				23.0	
	317				85

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

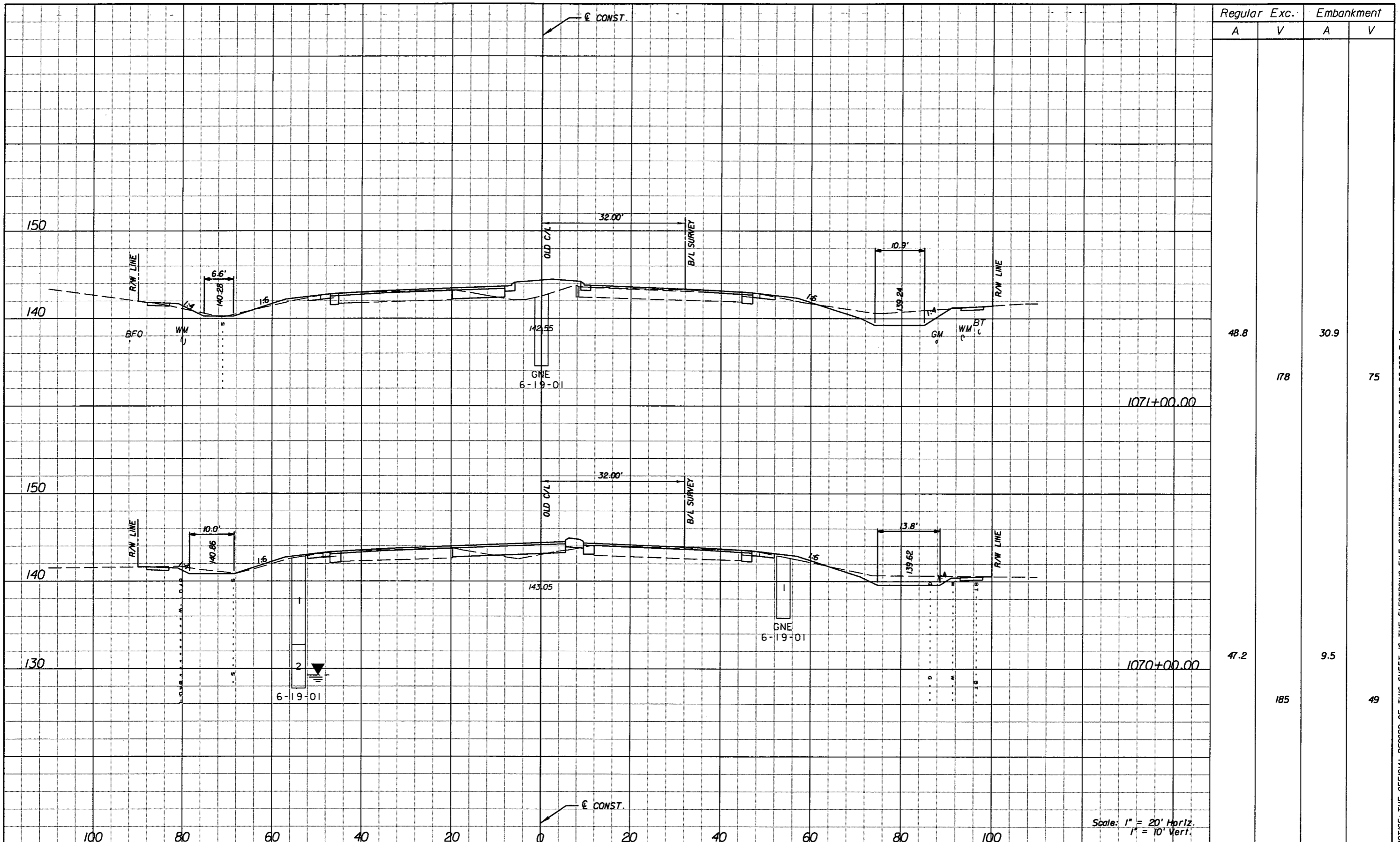
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
146

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Regular		Exc.		Embankment	
A	V	A	V	A	V
48.8	178	30.9	75		
47.2	185	9.5	49		

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

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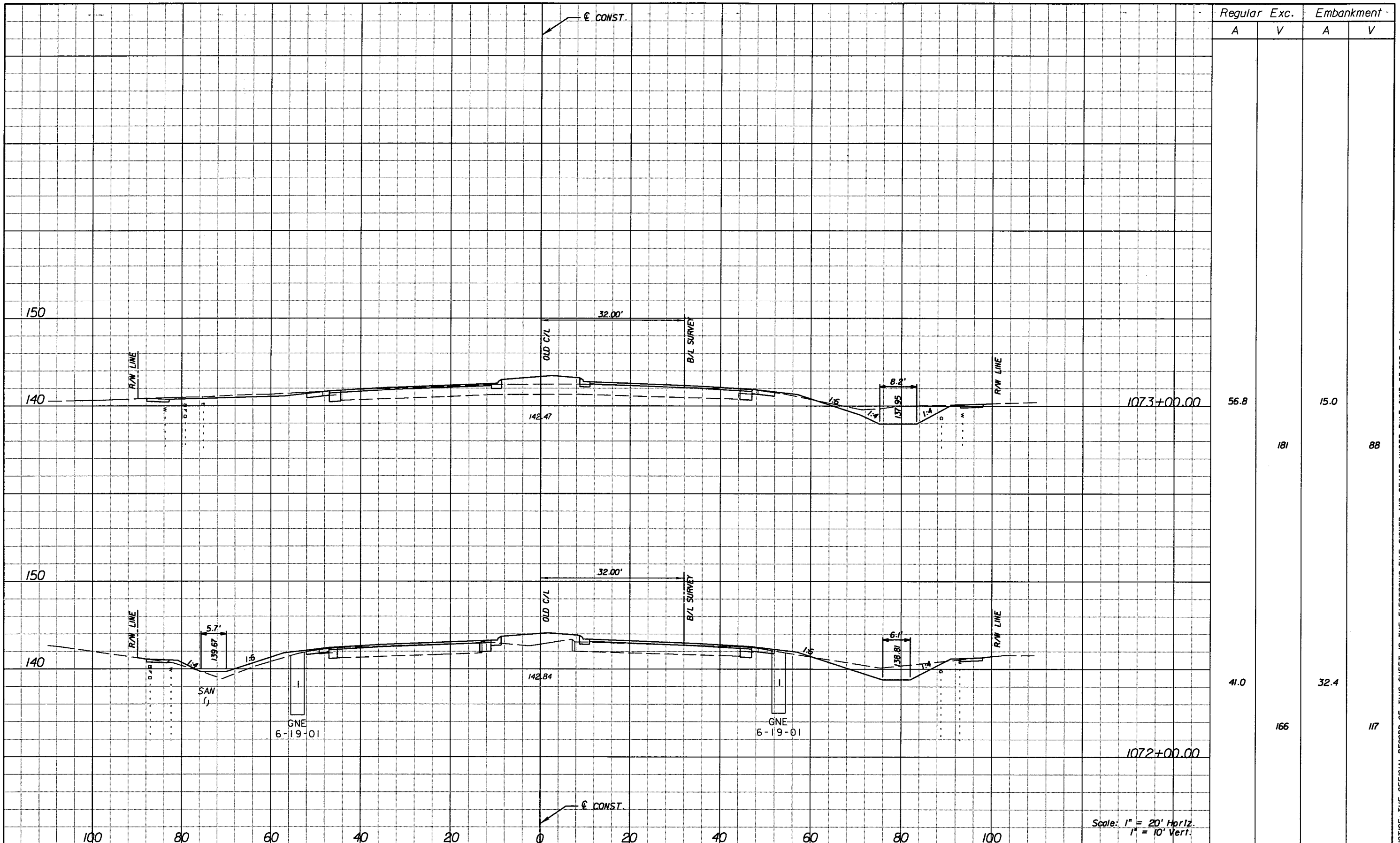
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**DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
147

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Regular		Exc.		Embankment	
A	V	A	V	A	V
56.8				15.0	
	181				88
41.0				32.4	
	166				117

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

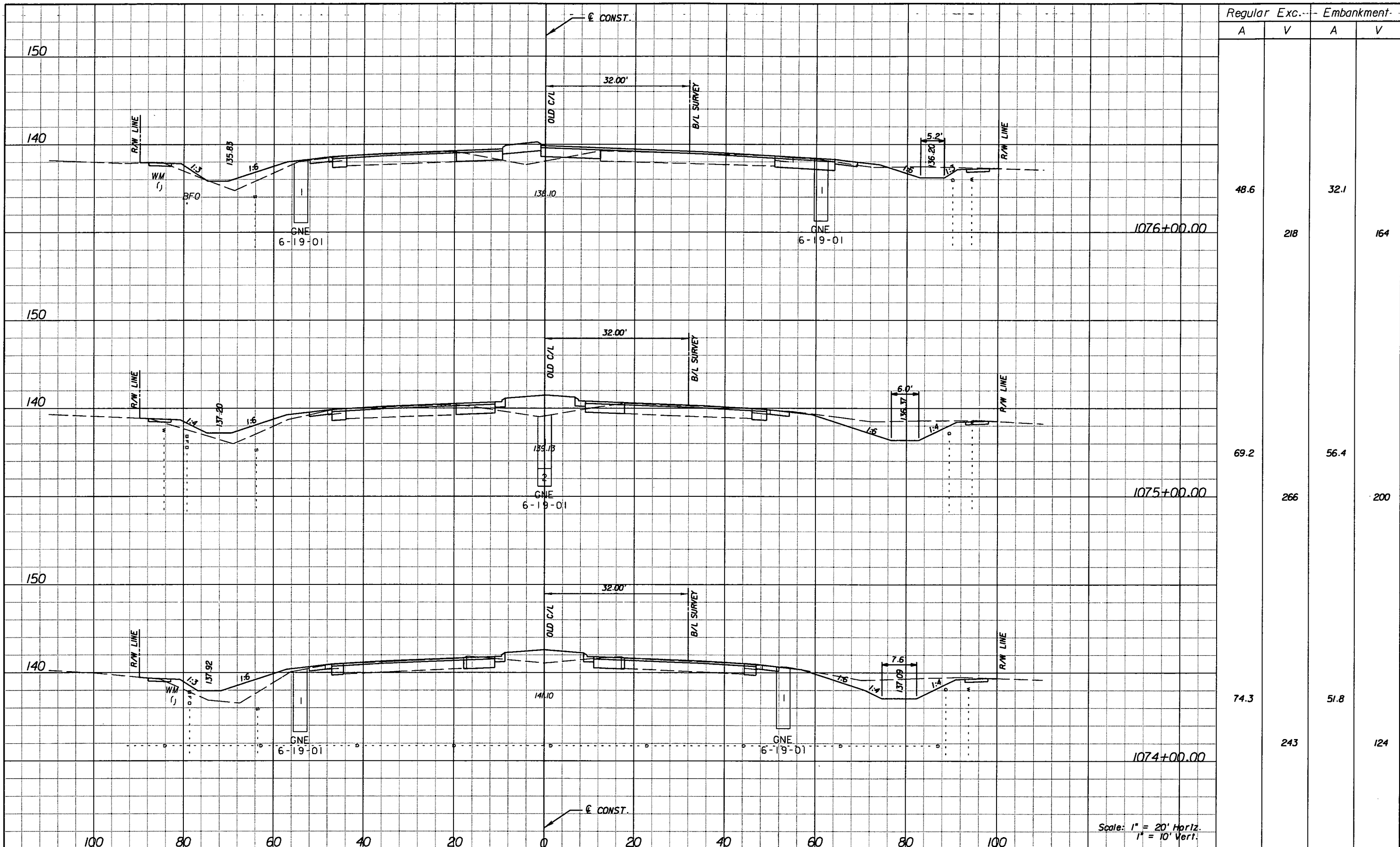
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
148

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Regular		Exc.	Embankment	
A	V	A	V	
48.6	218	32.1	164	1076+00.00
69.2	266	56.4	200	1075+00.00
74.3	243	51.8	124	1074+00.00

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

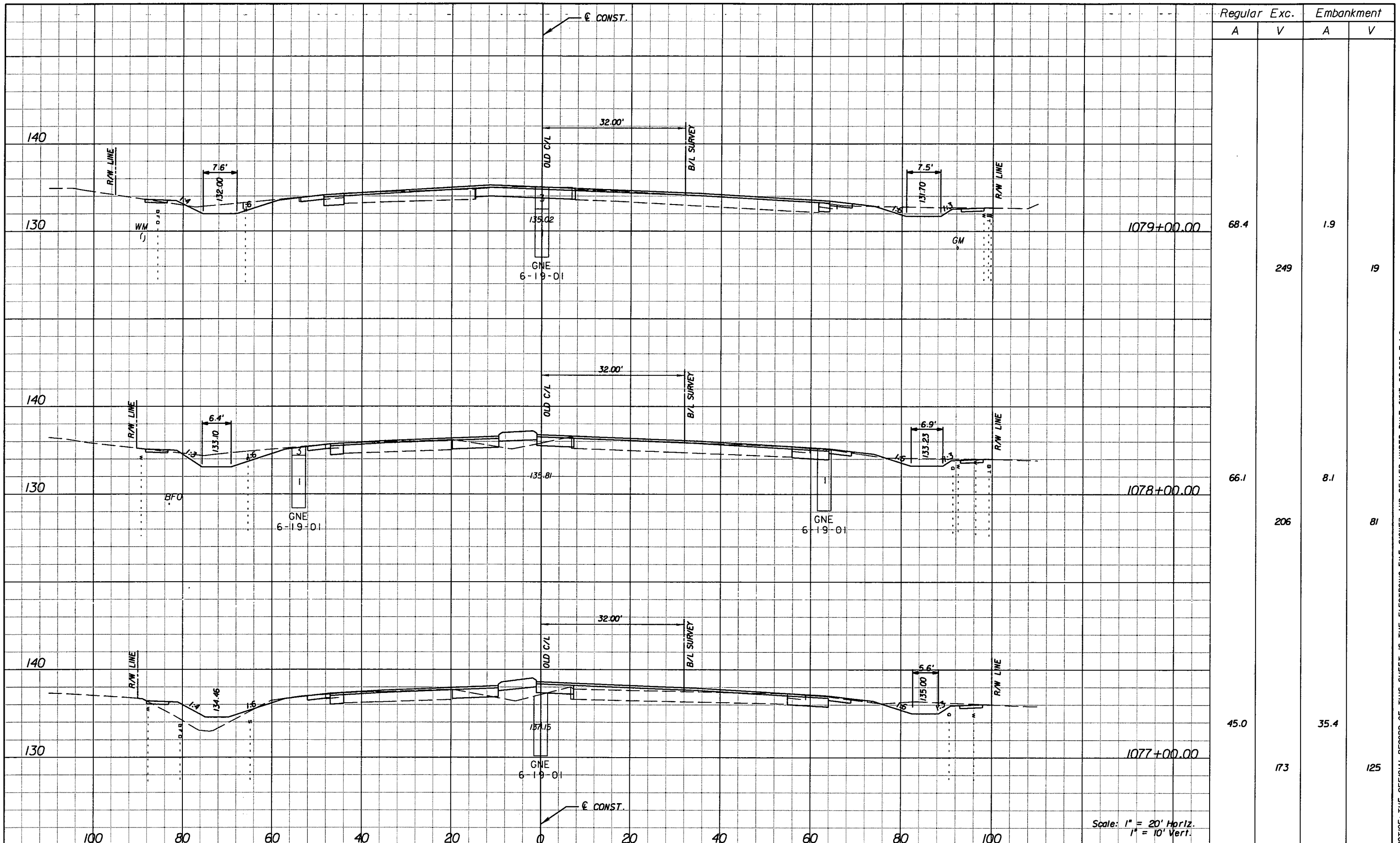
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
149

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Regular		Exc.		Embankment	
A	V	A	V	A	V
68.4	249	1.9	19		
66.1	206	8.1	81		
45.0	173	35.4	125		

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
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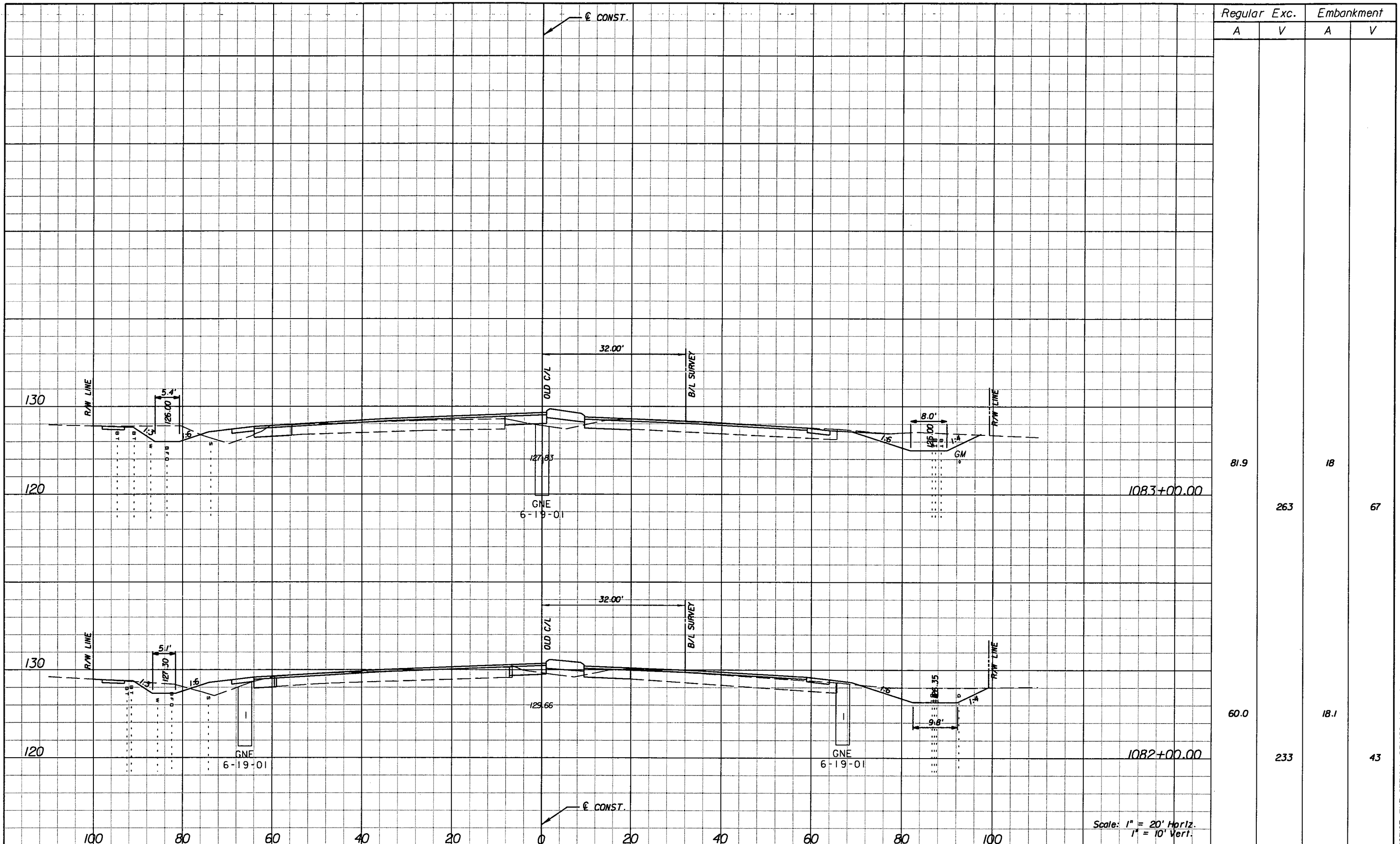
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
150

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Regular Exc.		Embankment	
A	V	A	V
81.9	263	18	67
60.0	233	18.1	43

REVISIONS			
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

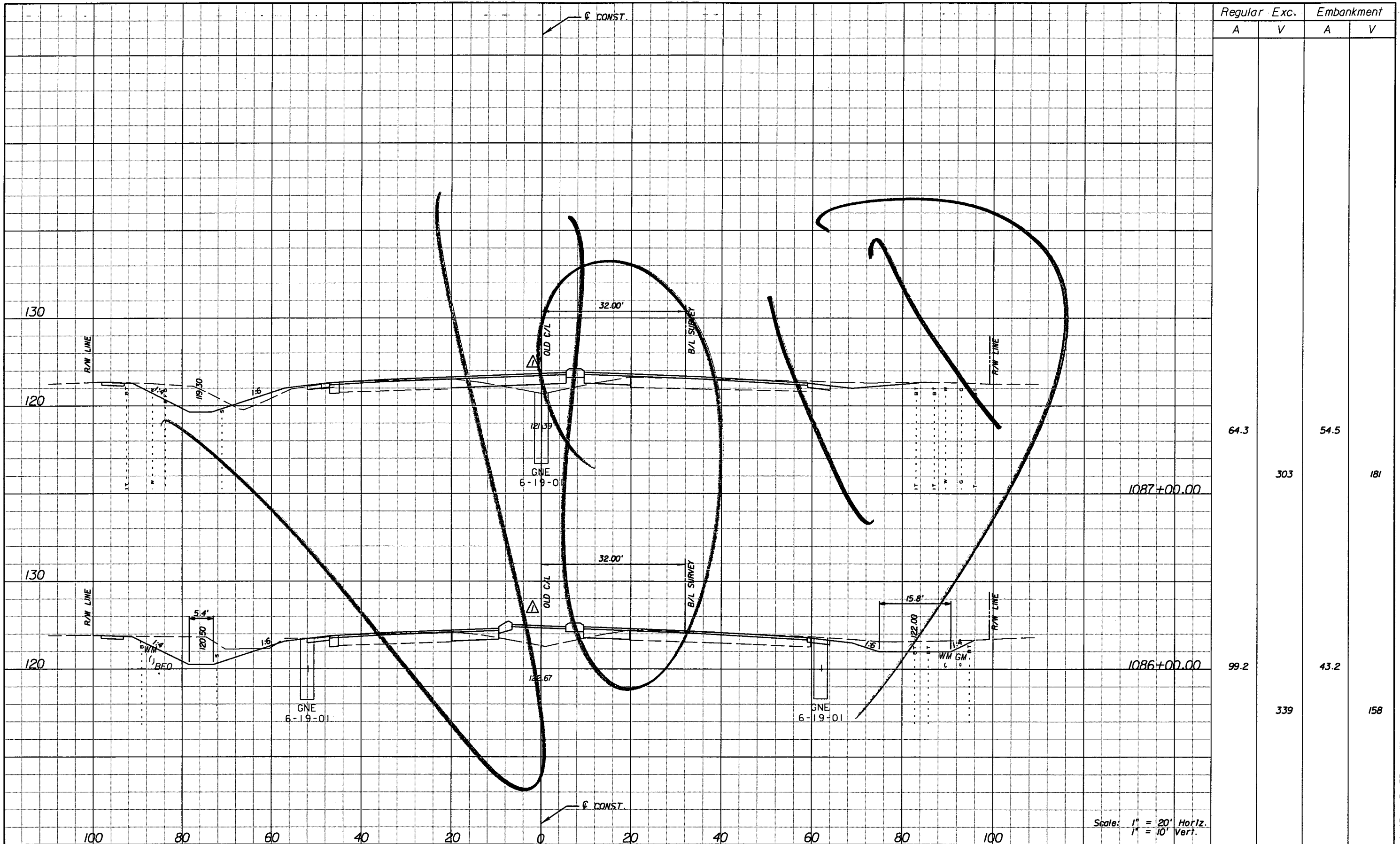
**CROSS SECTIONS**

SHEET NO.
152

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Regular		Exc.		Embankment	
A	V	A	V	A	V
64.3				54.5	
	303				181
99.2				43.2	
	339				158

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11		JWB		REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.	

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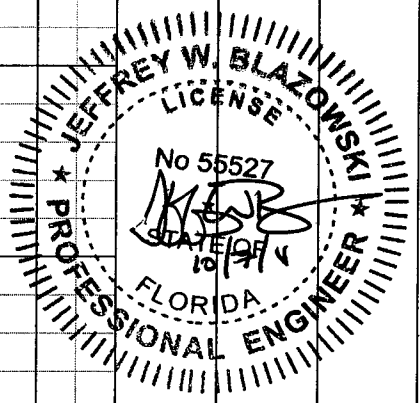
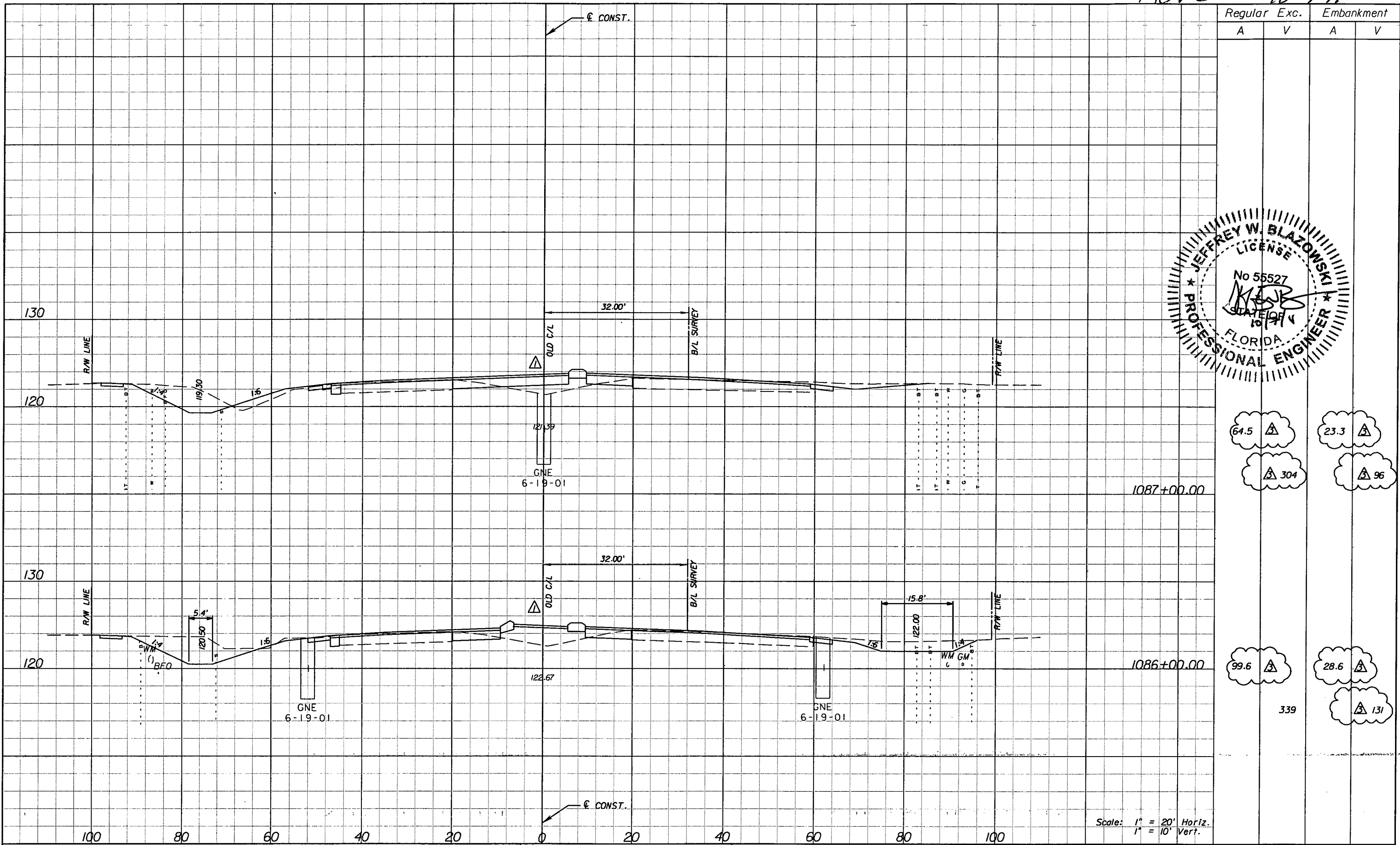
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.
154

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Regular		Exc.		Embankment	
A	V	A	V	A	V
64.5	23.3				
304	96				
99.6	28.6				
	131				
	339				

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB	△		REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.	
10/7/11	JWB	△		REVISED EARTHWORK.	

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

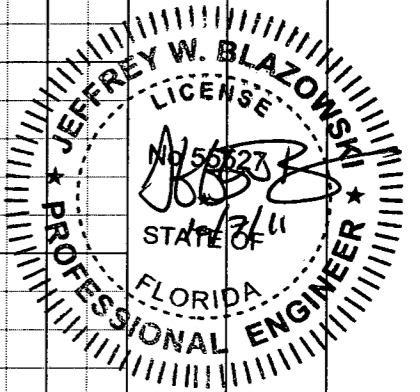
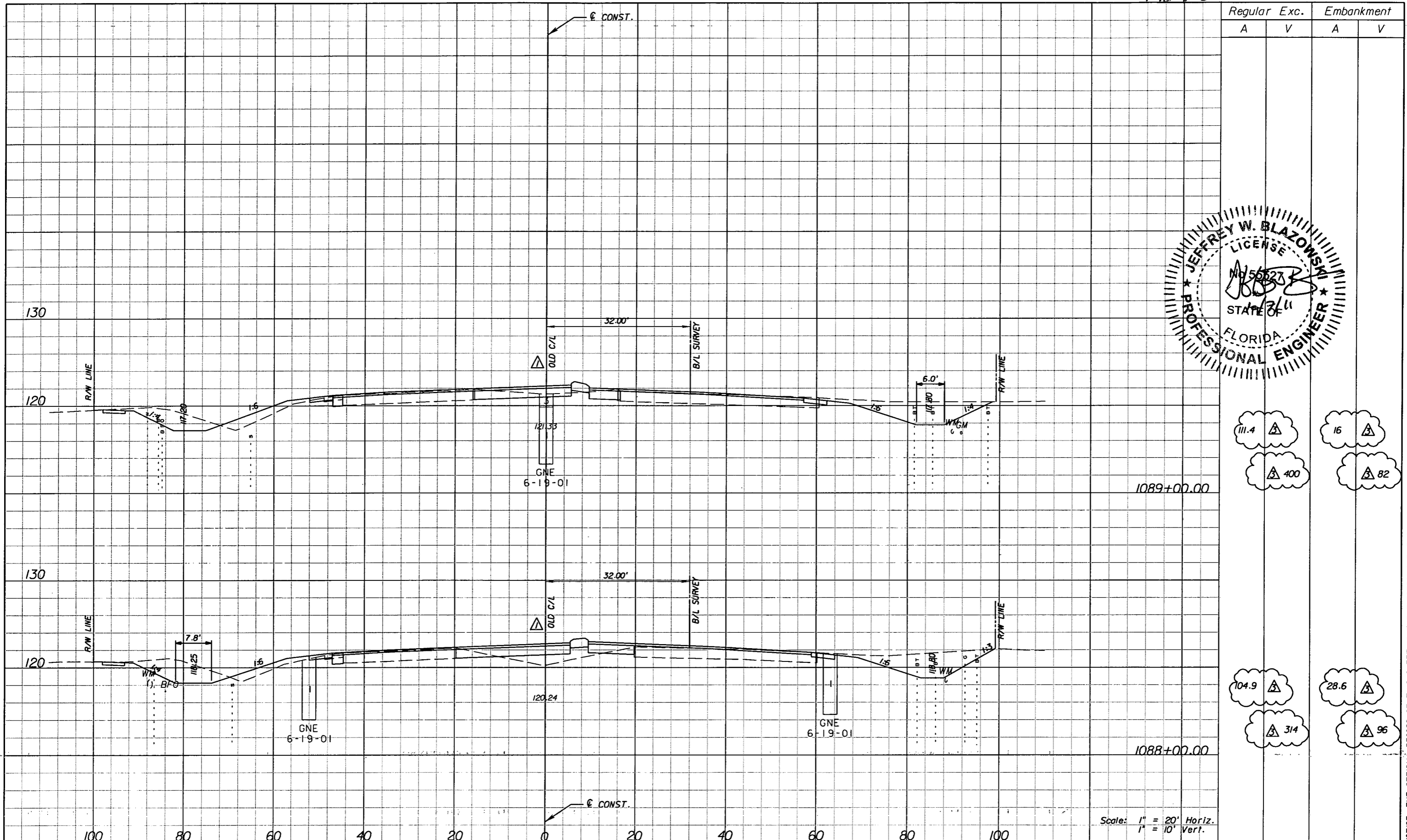
**CROSS SECTIONS**

SHEET NO.	154
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Rev 3 10-7-11



Regular		Exc.		Embankment	
A	V	A	V	A	V
111.4	16				
400	82				
104.9	28.6				
314	96				

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB	△		REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.	
10/7/11	JWB	△		REVISED EARTHWORK.	

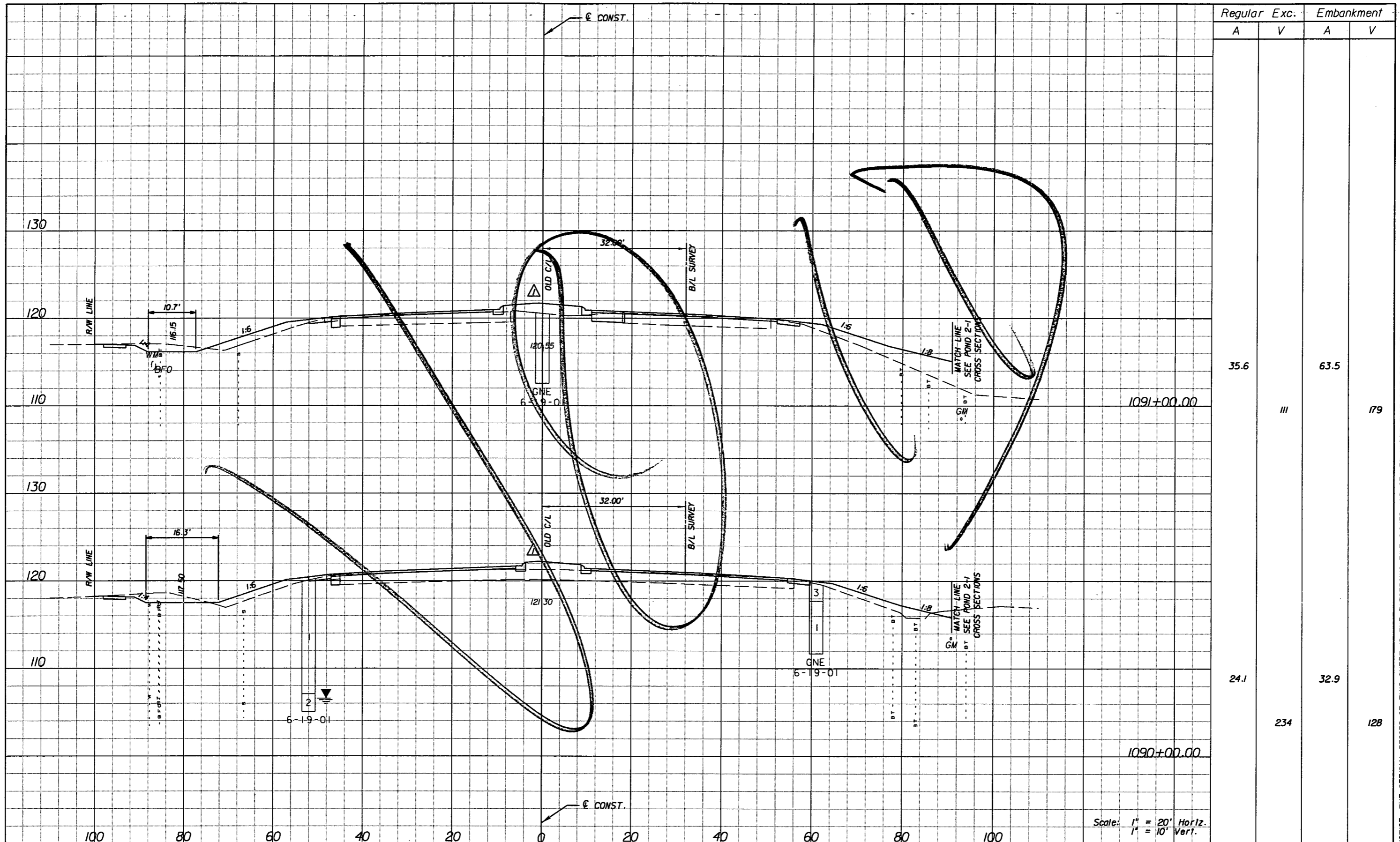
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
155

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Regular		Exc.		Embankment	
A	V	A	V	A	V
35.6				63.5	
	III				179
24.1				32.9	
	234				128

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB	Δ	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.		

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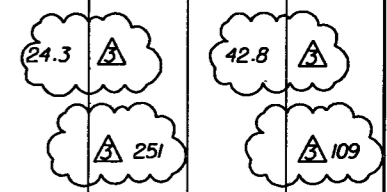
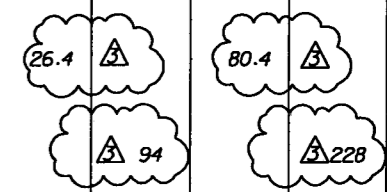
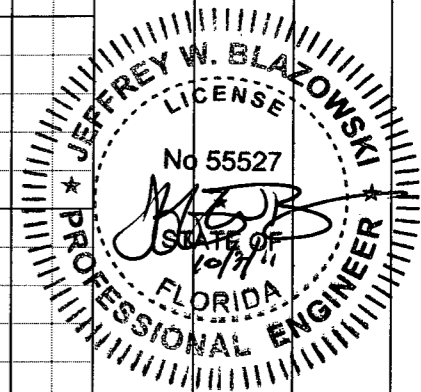
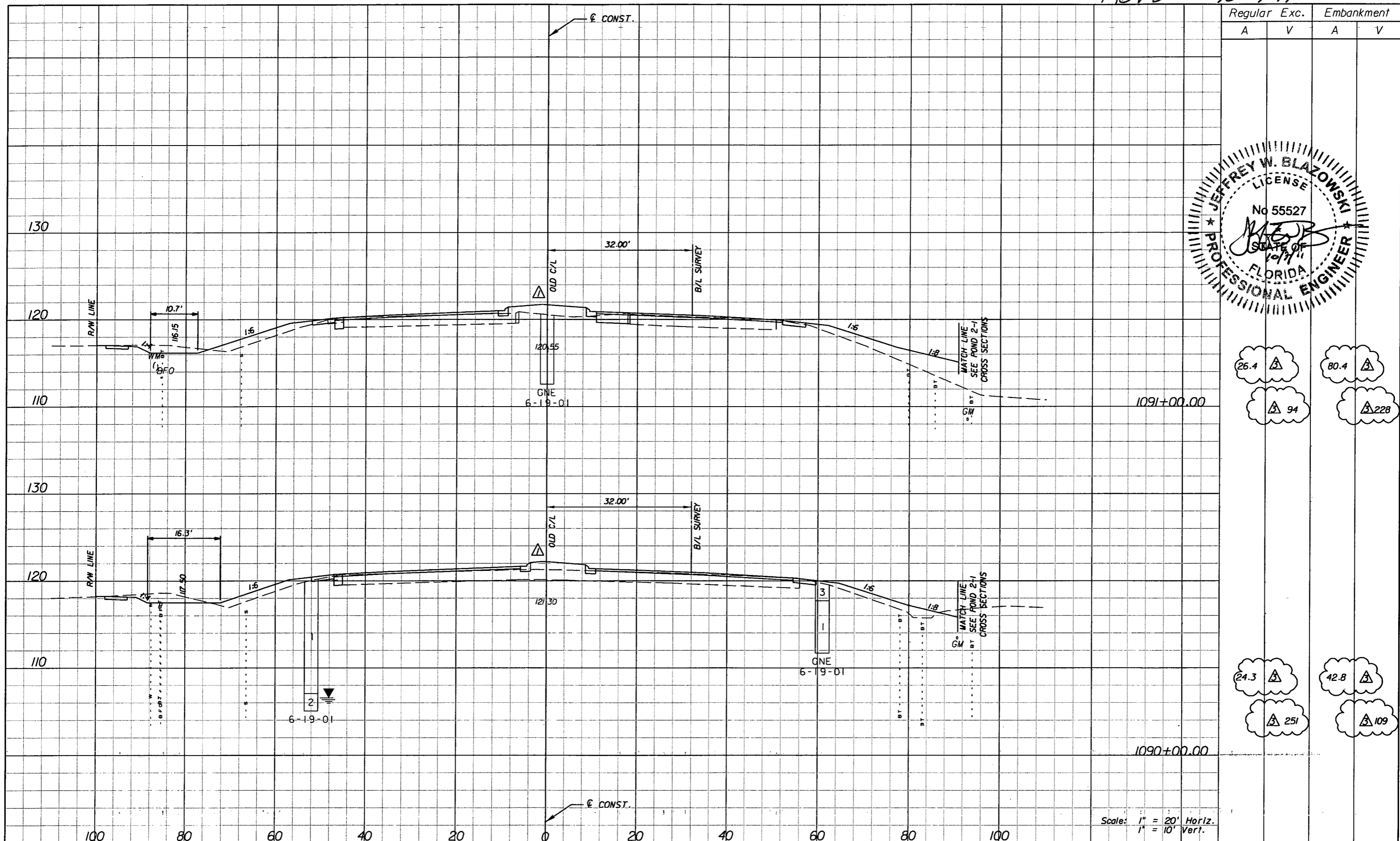
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
156

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Rev 3 10-7-11



Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY	DESCRIPTION	REVISIONS		DATE	BY	DESCRIPTION
5/11/11		JWB	REVISD CROSS SECTIONS DUE TO MEDIAN CHANGES.					
10/7/11		JWB	REVISD EARTHWORK.					

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

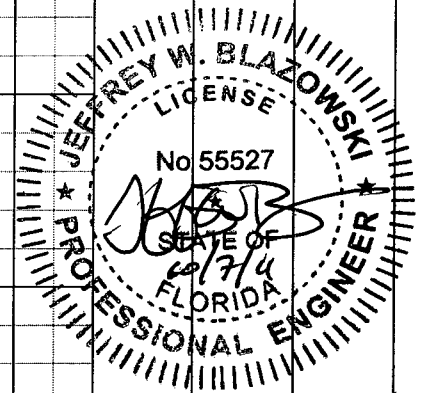
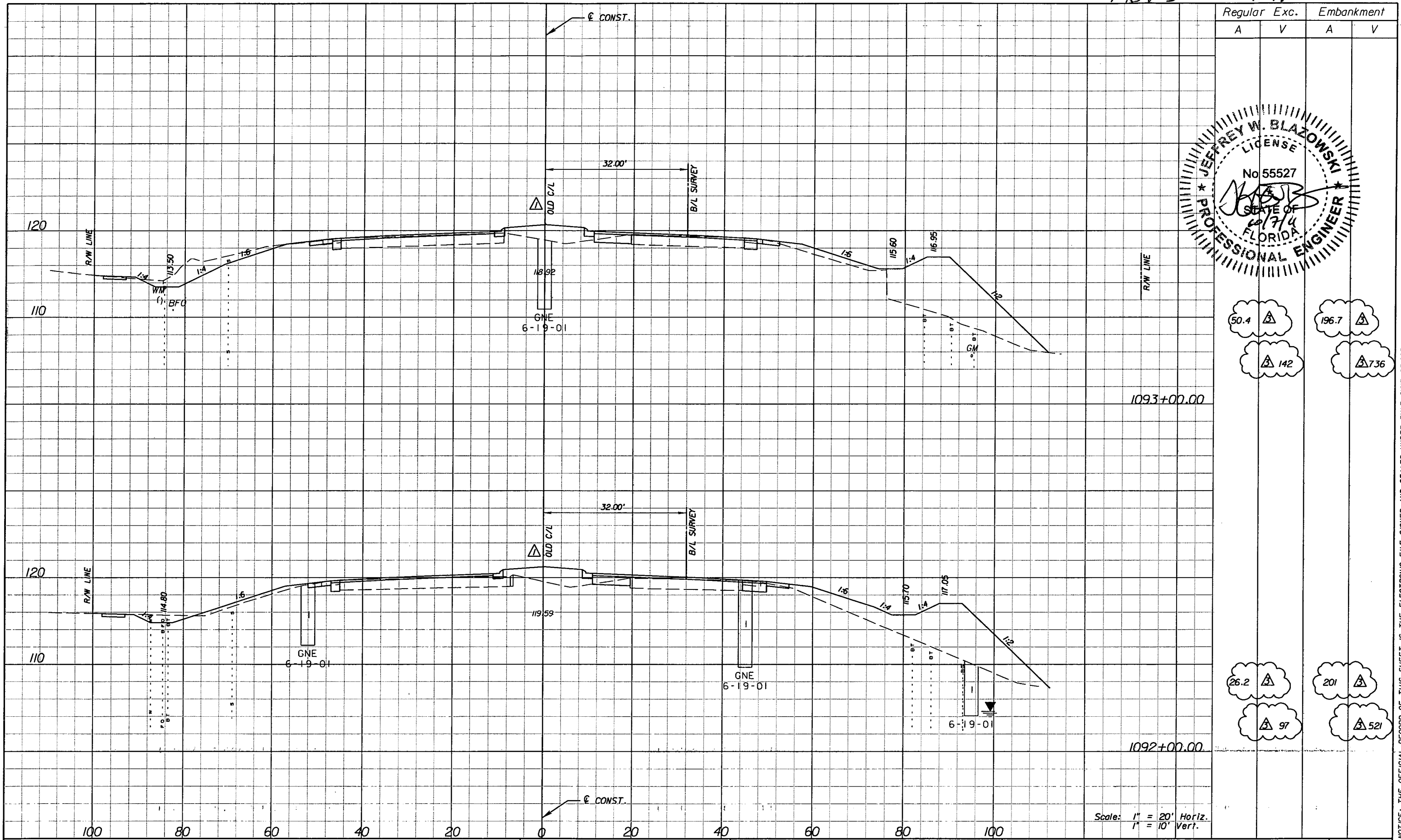
SHEET NO.  
156

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50.4  
142  
196.7  
736

26.2  
97  
201  
521

1093+00.00

1092+00.00

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY	DESCRIPTION	REVISIONS		DATE	BY	DESCRIPTION
5/11/11		JWB	REVISD CROSS SECTIONS DUE TO MEDIAN CHANGES.					
10/7/11		JWB	REVISD EARTHWORK.					

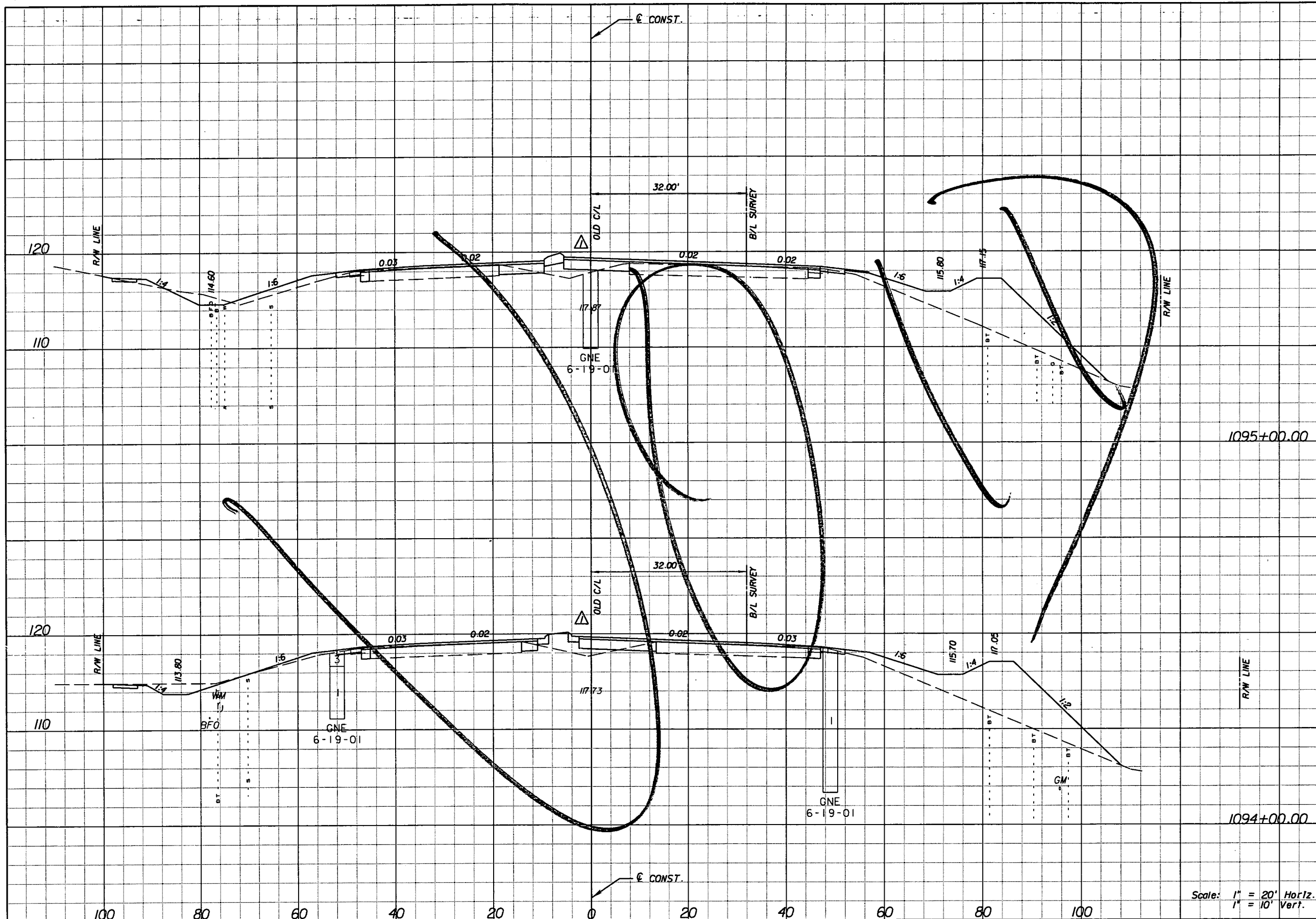
**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
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Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
157

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	Regular		Exc.		Embankment	
	A	V	A	V	A	V
1095+00.00	21.3		90		179.1	669
1094+00.00	27.4		154		182.2	659

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB	Δ		REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.	

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7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
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Jeffrey W. Blazowski, P.E. No. 55527

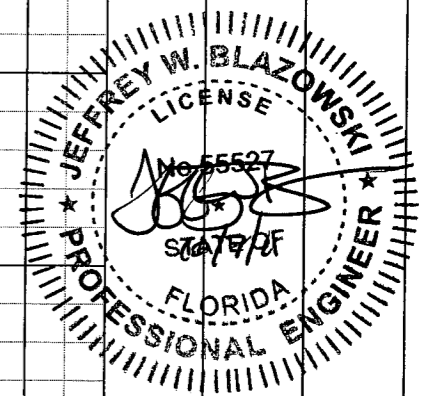
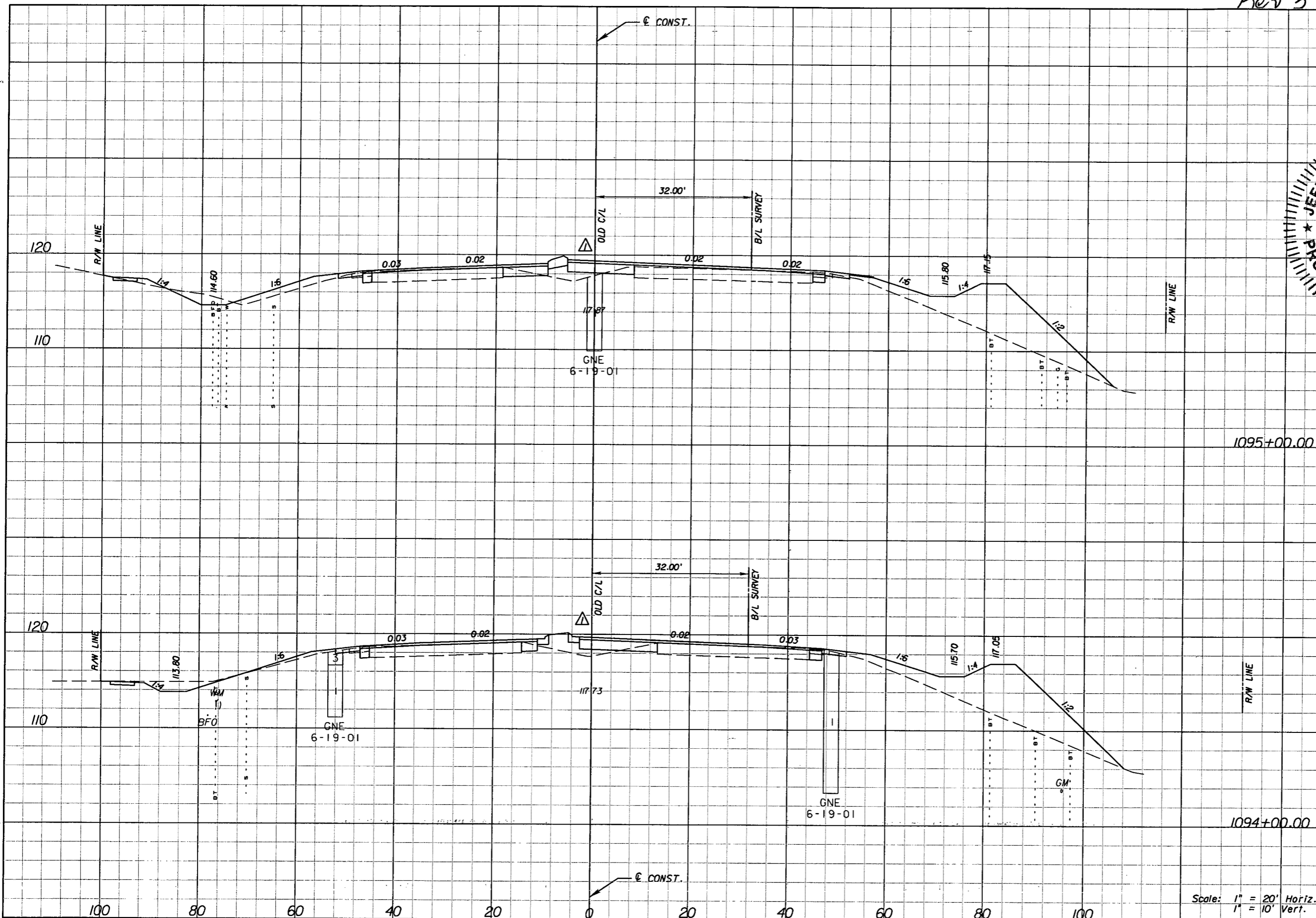
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.
158

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23.8 Δ  
97 Δ  
155.3 Δ  
588 Δ

28.5 Δ  
146 Δ  
162.5 Δ  
665 Δ

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY	DESCRIPTION	REVISIONS	
5/11/11	JWB	Δ	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.		
10/7/11	JWB	Δ	REVISED EARTHWORK.		

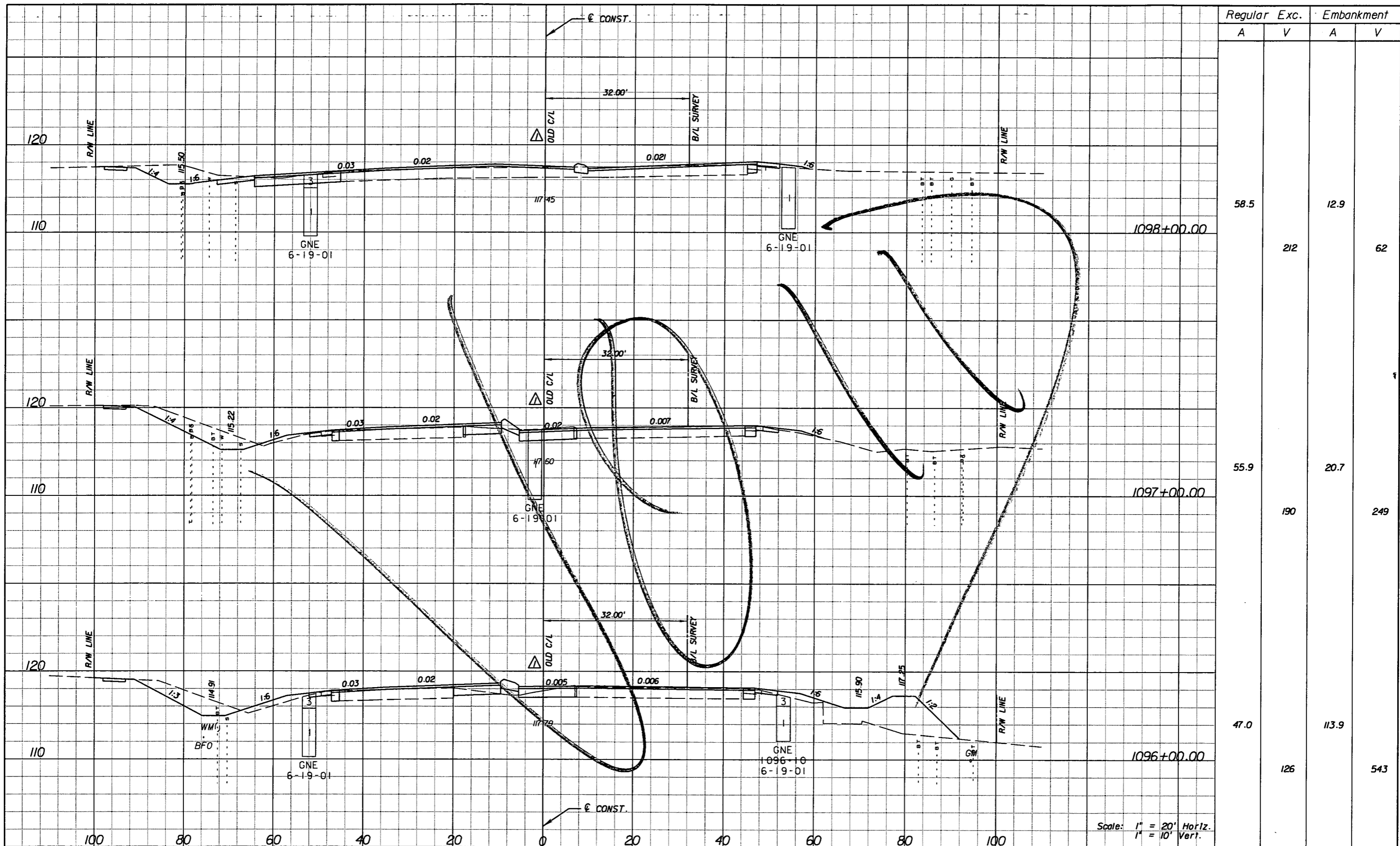
**URS**  
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Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO. 158

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Regular		Exc.		Embankment	
A	V	A	V	A	V
58.5	212	12.9	62		
55.9	190	20.7	249		
47.0	126	113.9	543		

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB	REVISIONS		REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.	

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 7650 West Courtney  
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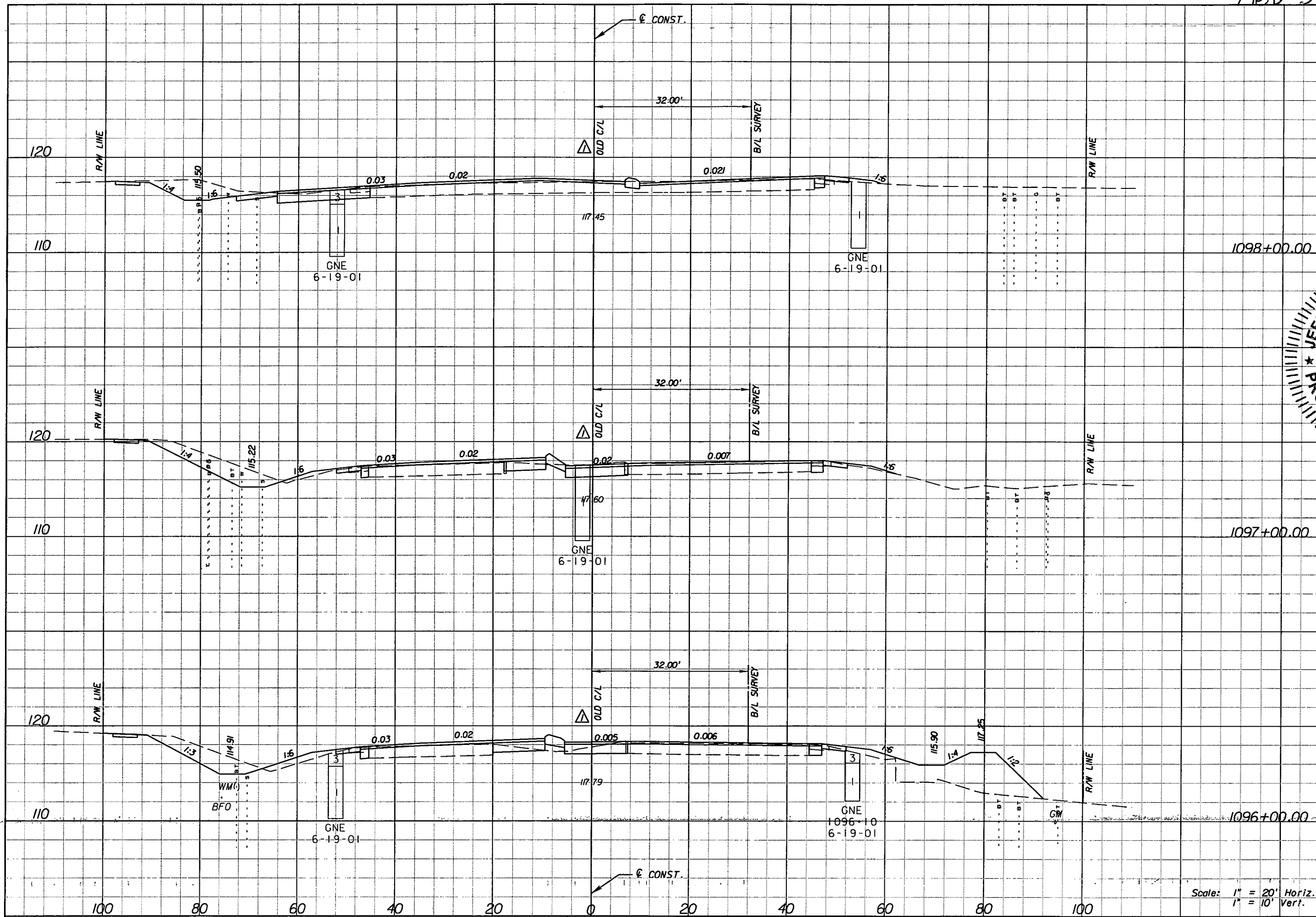
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

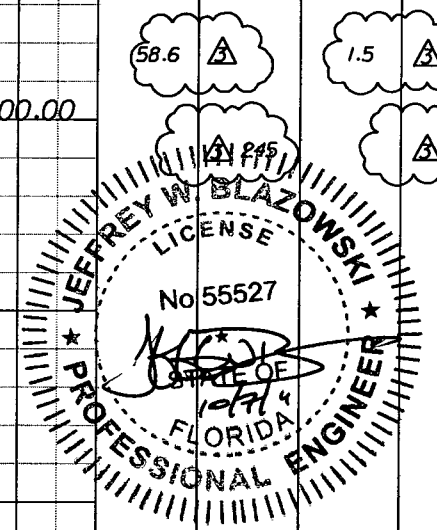
SHEET NO.  
159

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Rev 3 10-7-11



Regular		Exc.		Embankment	
A	V	A	V	A	V
58.6	1.5	1.5	12		
73.6	5.2	5.2	181		
56	92.3	92.3	458		



Scale: 1" = 20' Horiz.  
1" = 10' Vert.

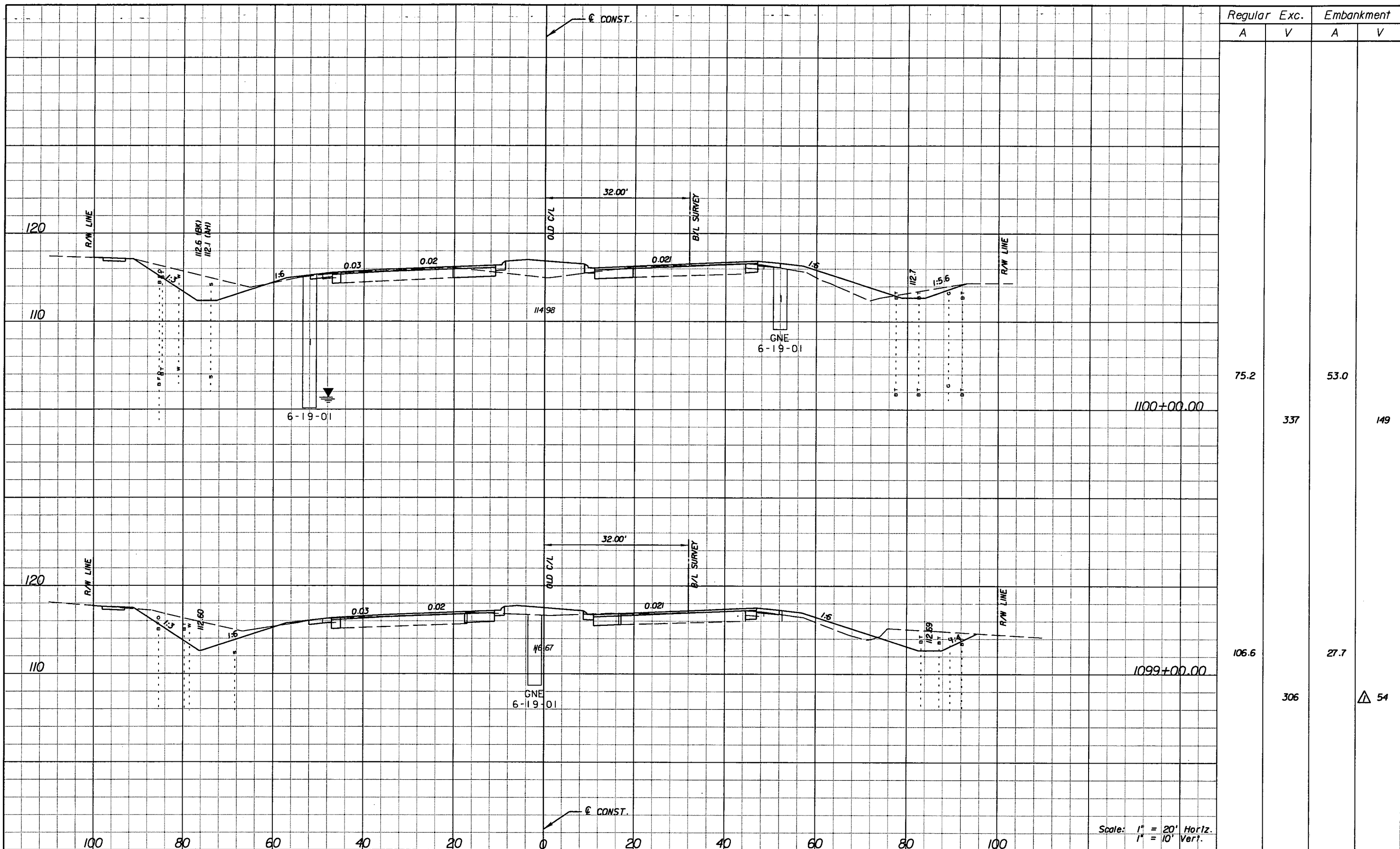
DATE		BY	DESCRIPTION	REVISIONS	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISD CROSS SECTIONS DUE TO MEDIAN CHANGES.			
10/7/11	JWB	REVISD EARTHWORK.			

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STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
ROAD NO. 25 COUNTY HIGHLANDS FINANCIAL PROJECT ID 194485-1-52-01

**CROSS SECTIONS**  
SHEET NO. 159

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Regular		Exc.		Embankment	
A	V	A	V	A	V
75.2				53.0	
	337				149
106.6				27.7	
	306				54

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISED EARTHWORK QUANTITIES.			

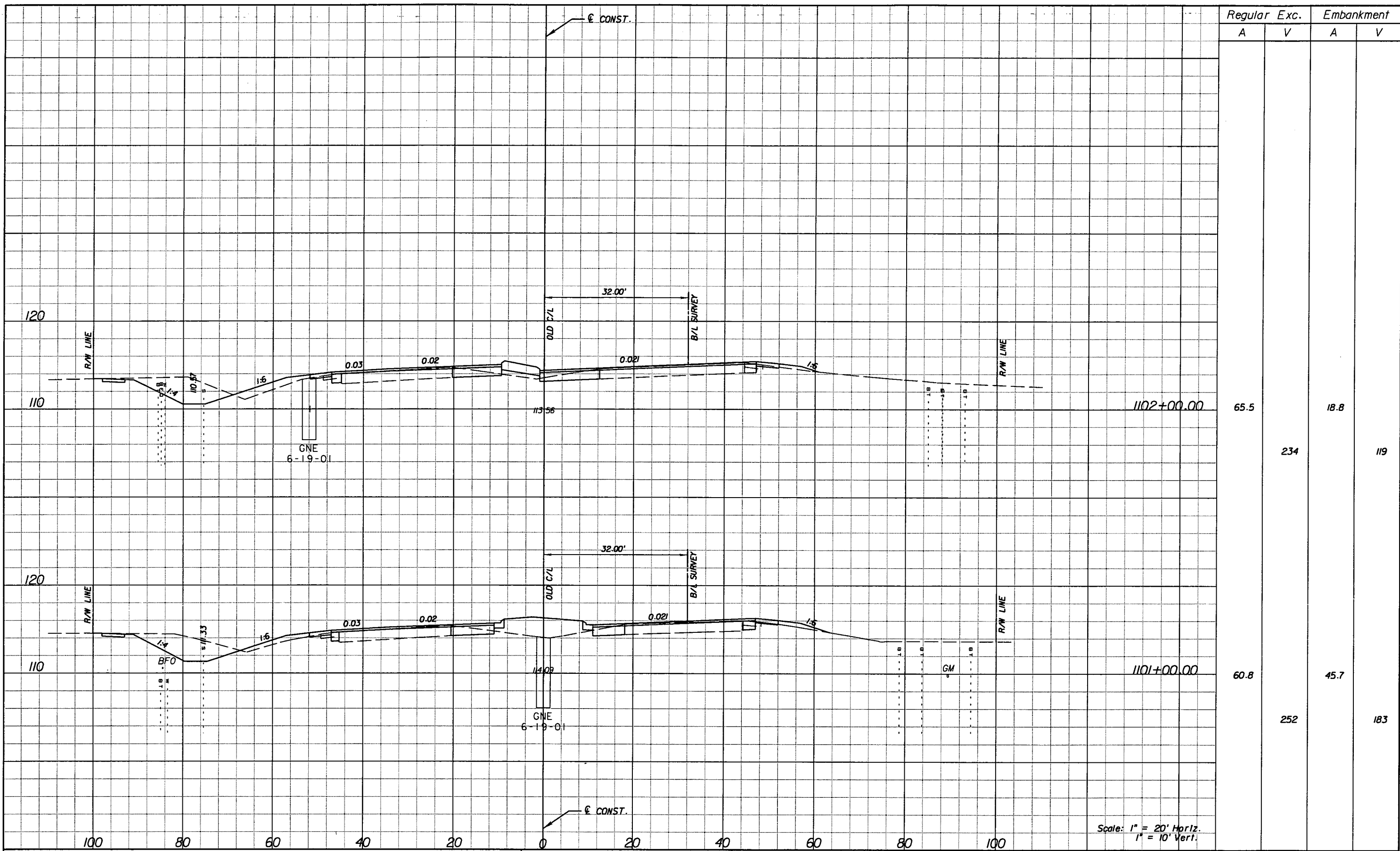
**URS**  
 URS Corporation Southern  
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 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
160

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Regular		Exc.		Embankment	
A	V	A	V	A	V
65.5				18.8	
	234				119
60.8				45.7	
	252				183

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

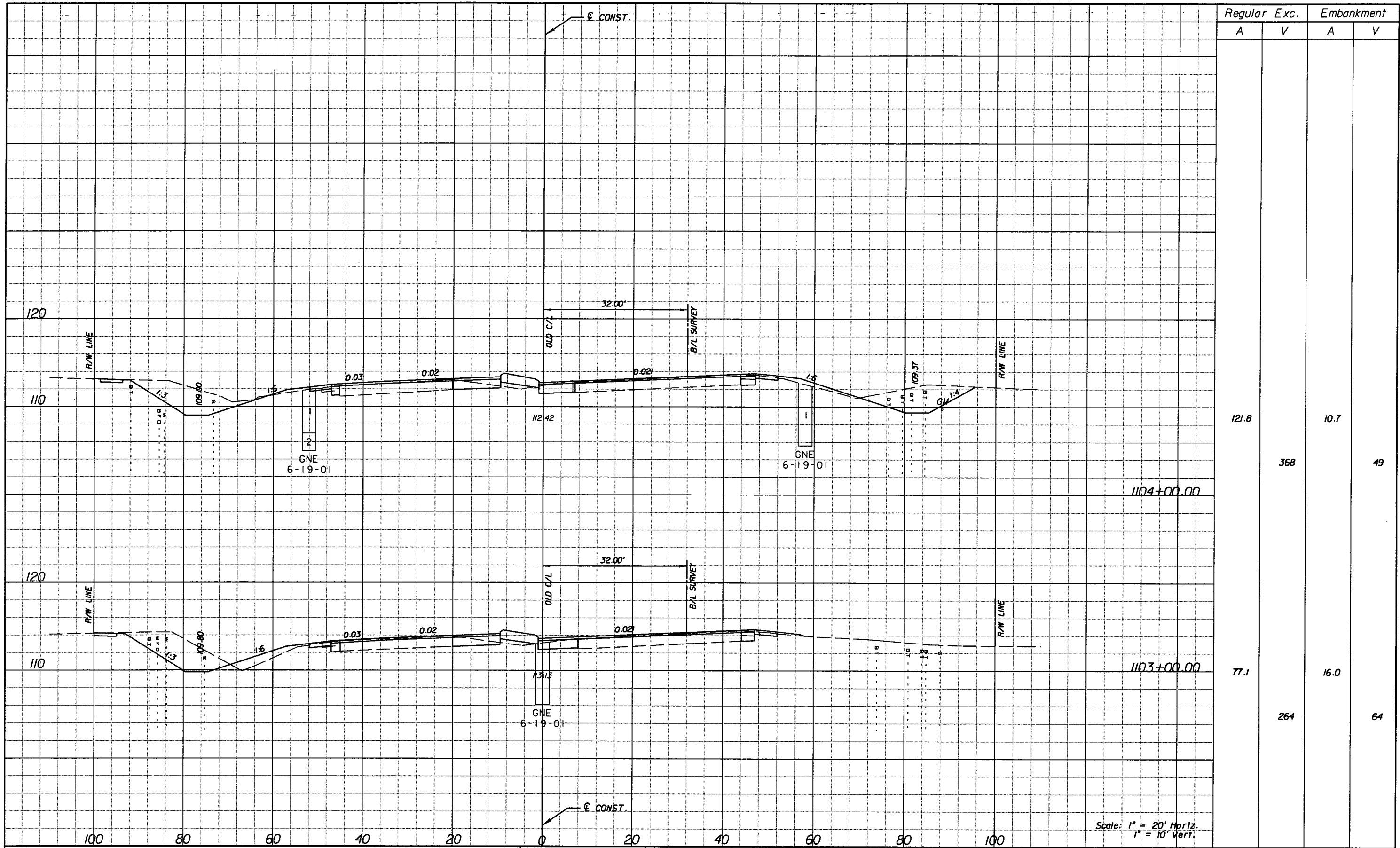
**URS**  
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 Campbell Causeway  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
161

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Regular		Exc.		Embankment	
A	V	A	V	A	V
121.8			368	10.7	49
77.1			264	16.0	64

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 7650 West Courtney  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

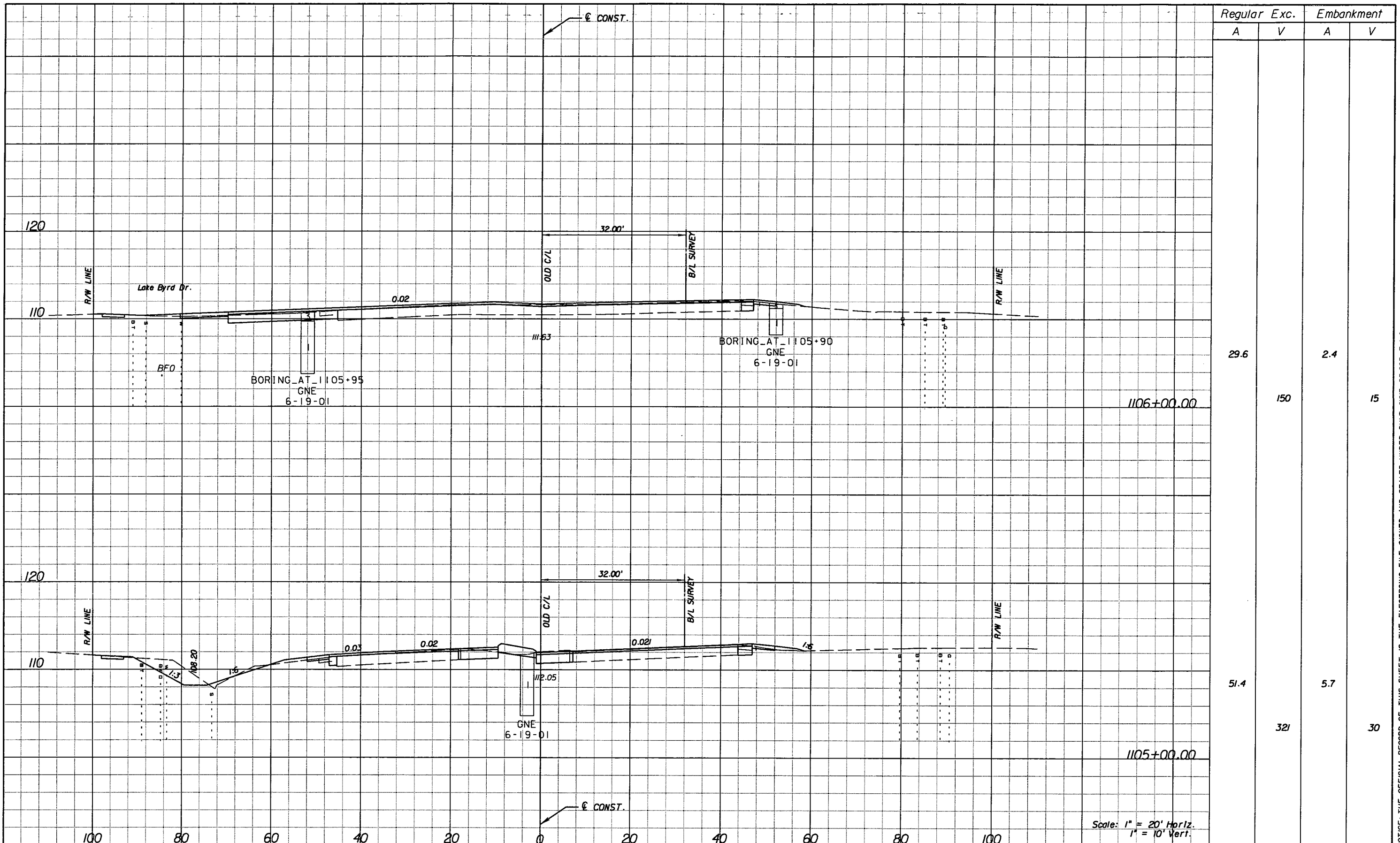
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
162

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Regular		Exc.		Embankment	
A	V	A	V	A	V
29.6	150	2.4	15	51.4	30
				321	

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

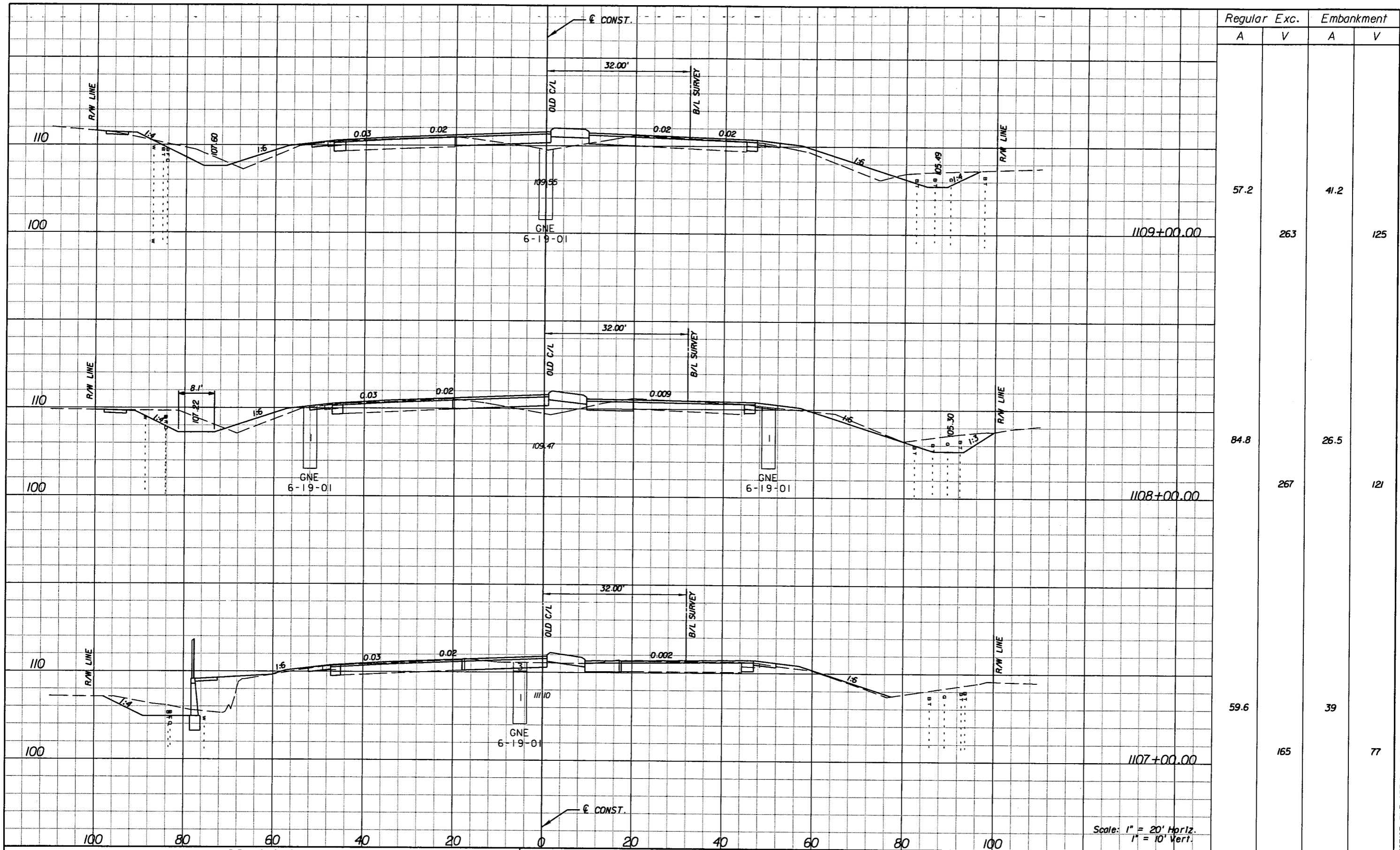
**URS**  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
163

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Regular		Exc.		Embankment	
A	V	A	V	A	V
57.2				41.2	
	263				125
84.8				26.5	
	267				121
59.6				39	
	165				77

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

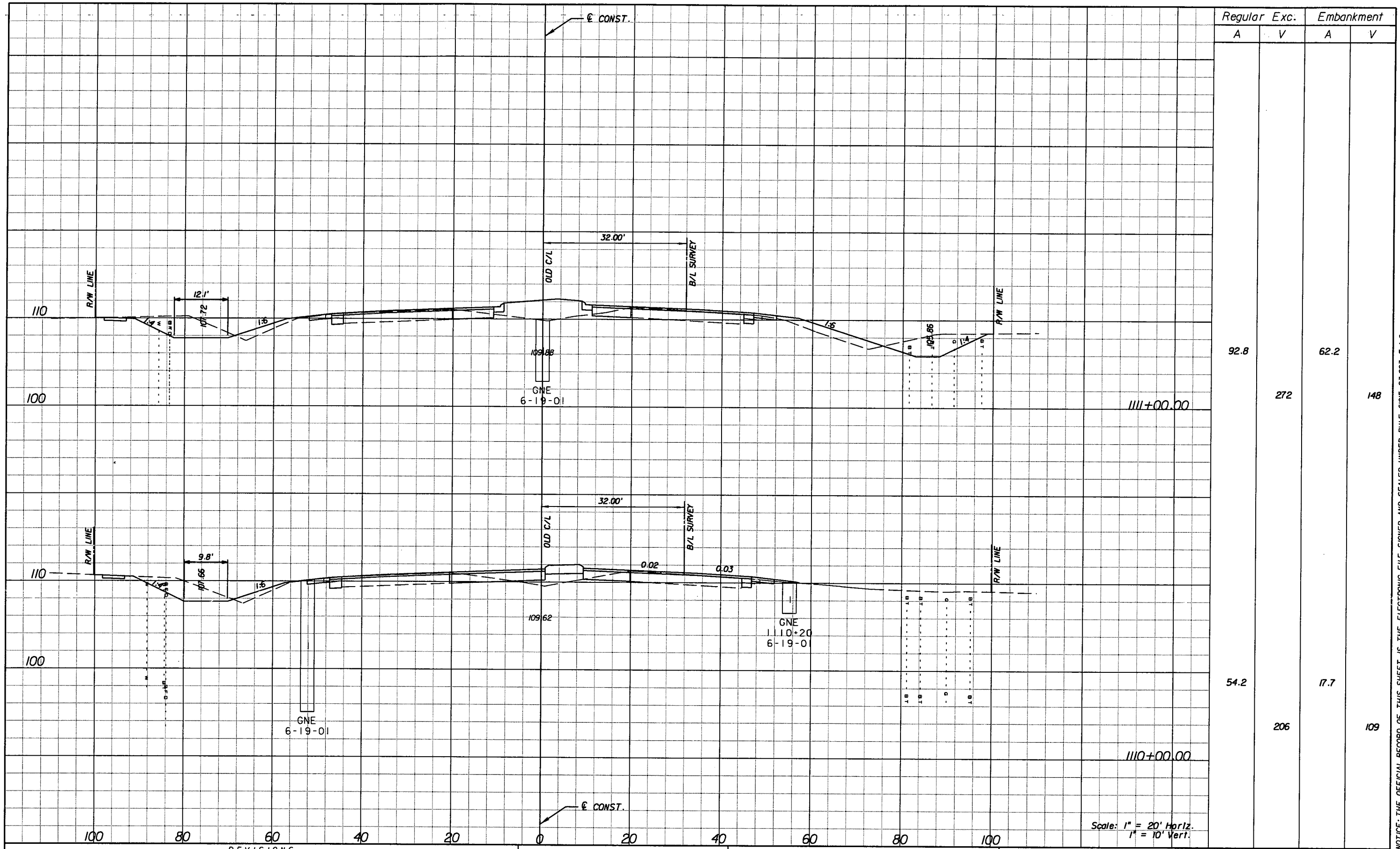
STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
164

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 66G5-23.003, F.A.C.



Regular		Exc.		Embankment	
A	V	A	V	A	V
92.8			272	62.2	
					148
54.2			206	17.7	
					109

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

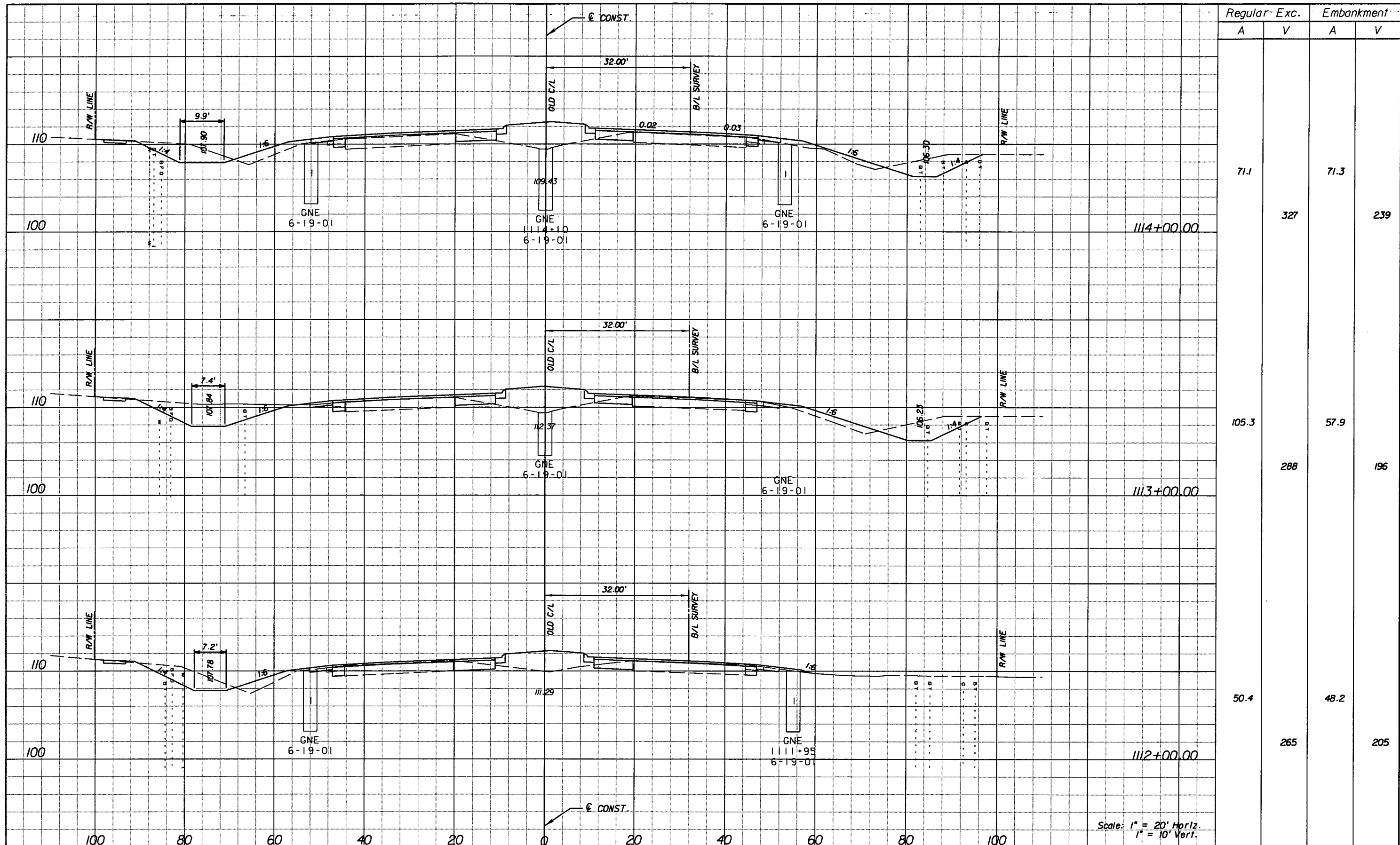
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
165

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Regular - Exc.		Embankment	
A	V	A	V
71.1	327	71.3	239
105.3	288	57.9	196
50.4	265	48.2	205

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

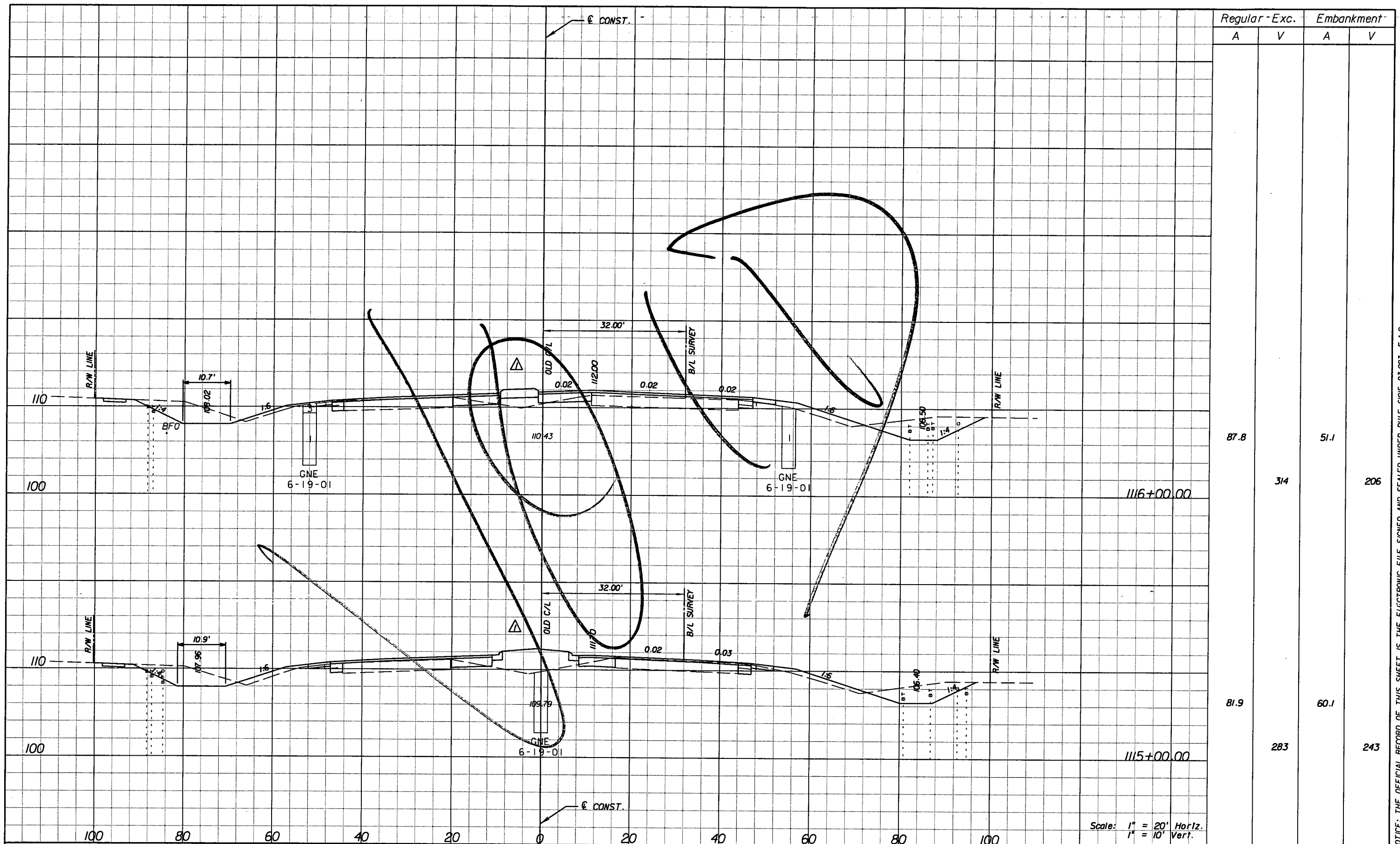
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
166

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Regular - Exc.		Embankment	
A	V	A	V
87.8	314	51.1	206
81.9	283	60.1	243

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB	REVISOR'S REVISIONS			

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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

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

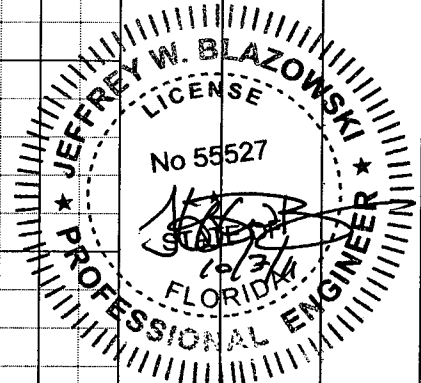
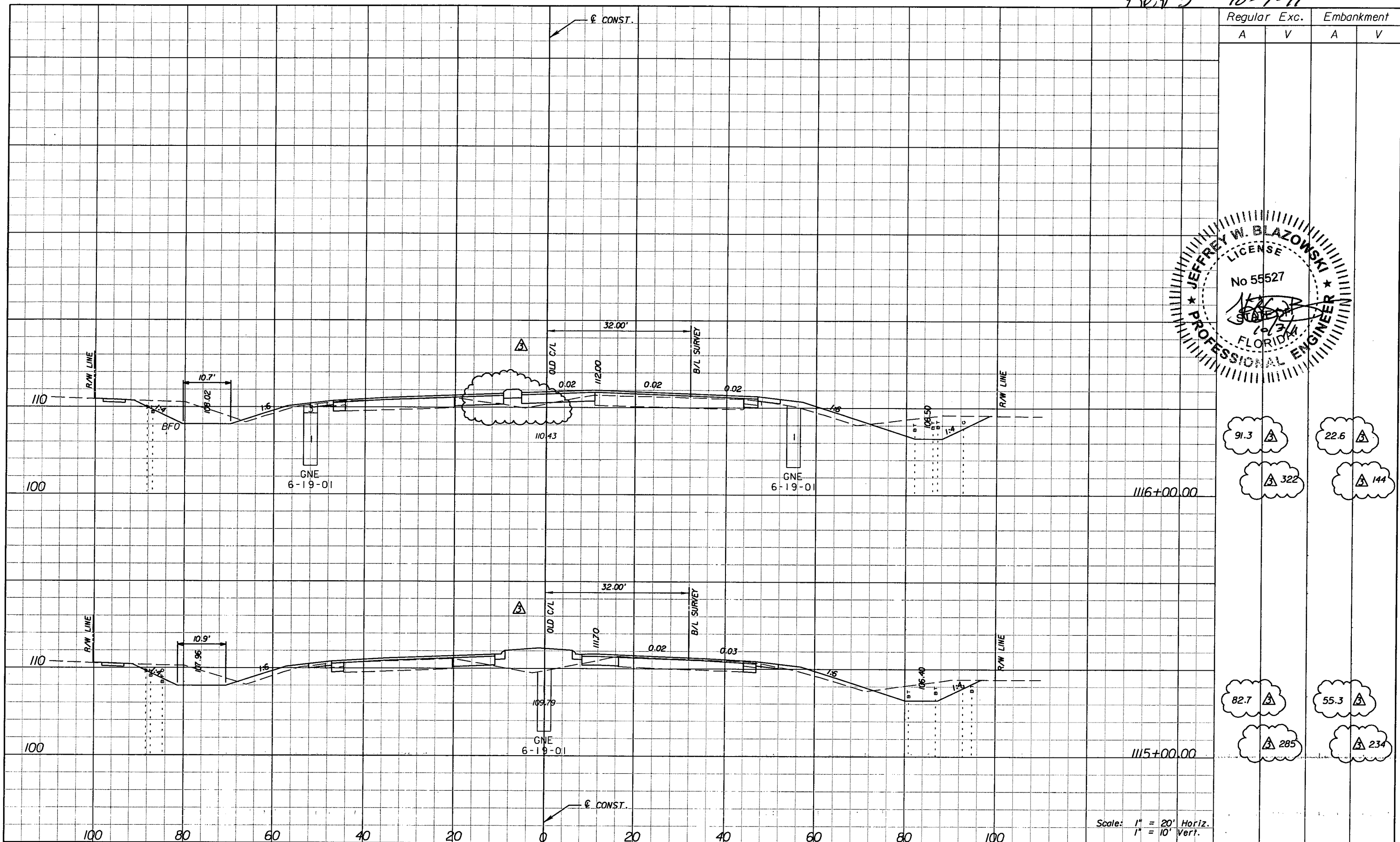
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
167

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Rev 3 10-7-11



Regular		Exc.		Embankment	
A	V	A	V	A	V
91.3	22.6				
322	144				
82.7	55.3				
285	234				

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION	
5/11/11		JWB		REVISD CROSS SECTIONS DUE TO MEDIAN CHANGES.							
10/7/11		JWB		REVISD CROSS SECTIONS DUE TO MEDIAN CHANGES.							

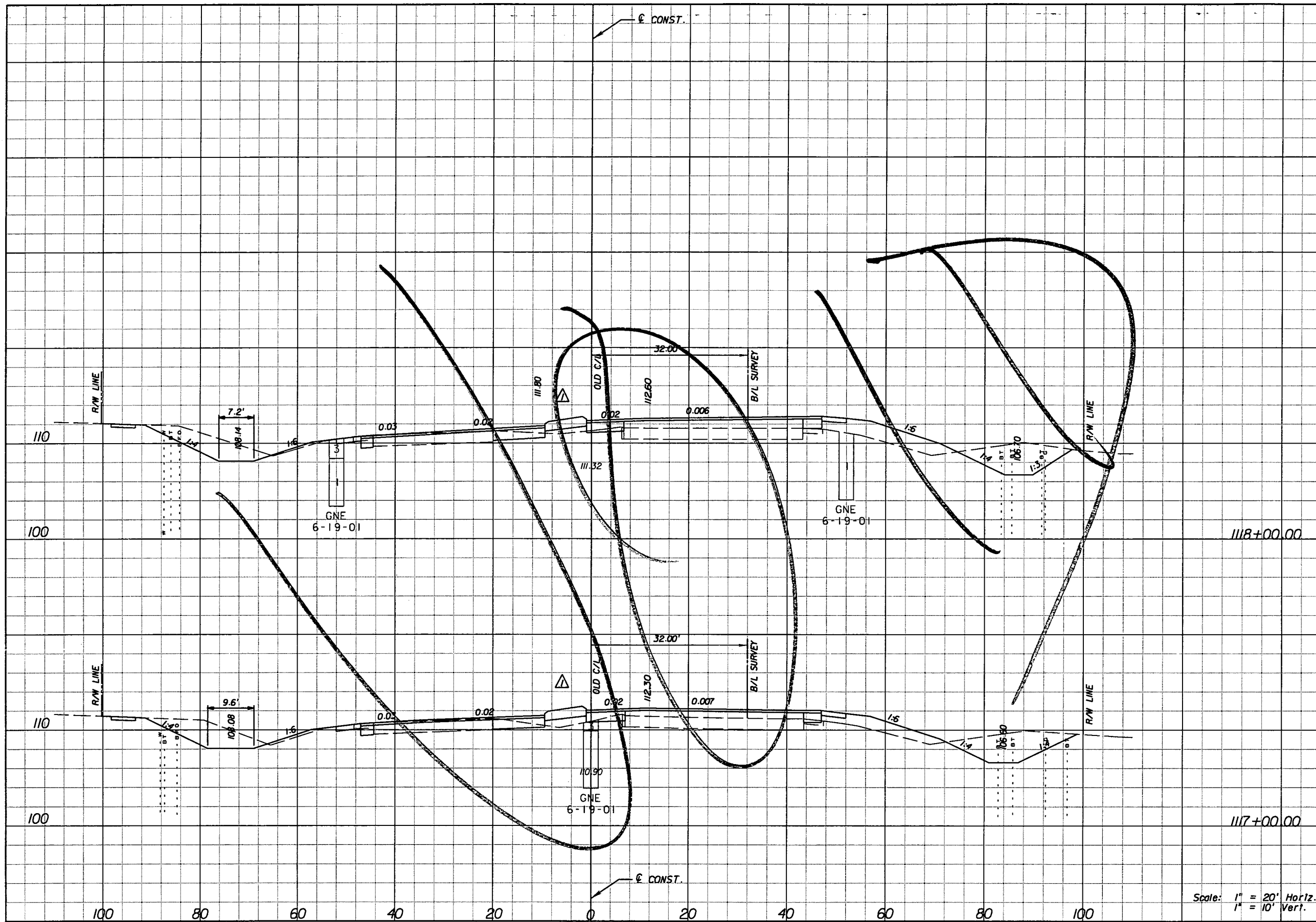
**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
167

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Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
1118+00.00	99.3		376		55.5	203
1117+00.00	103.6		354		54.4	195

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.			

**URS**  
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 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
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 Jeffrey W. Blazowski, P.E. No. 55527

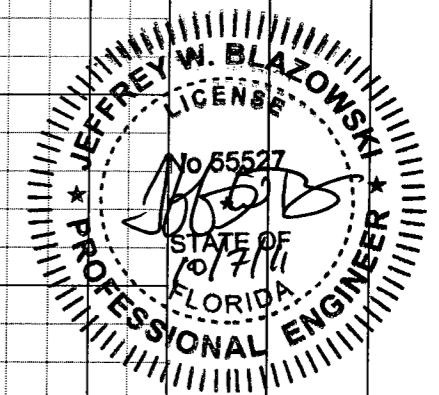
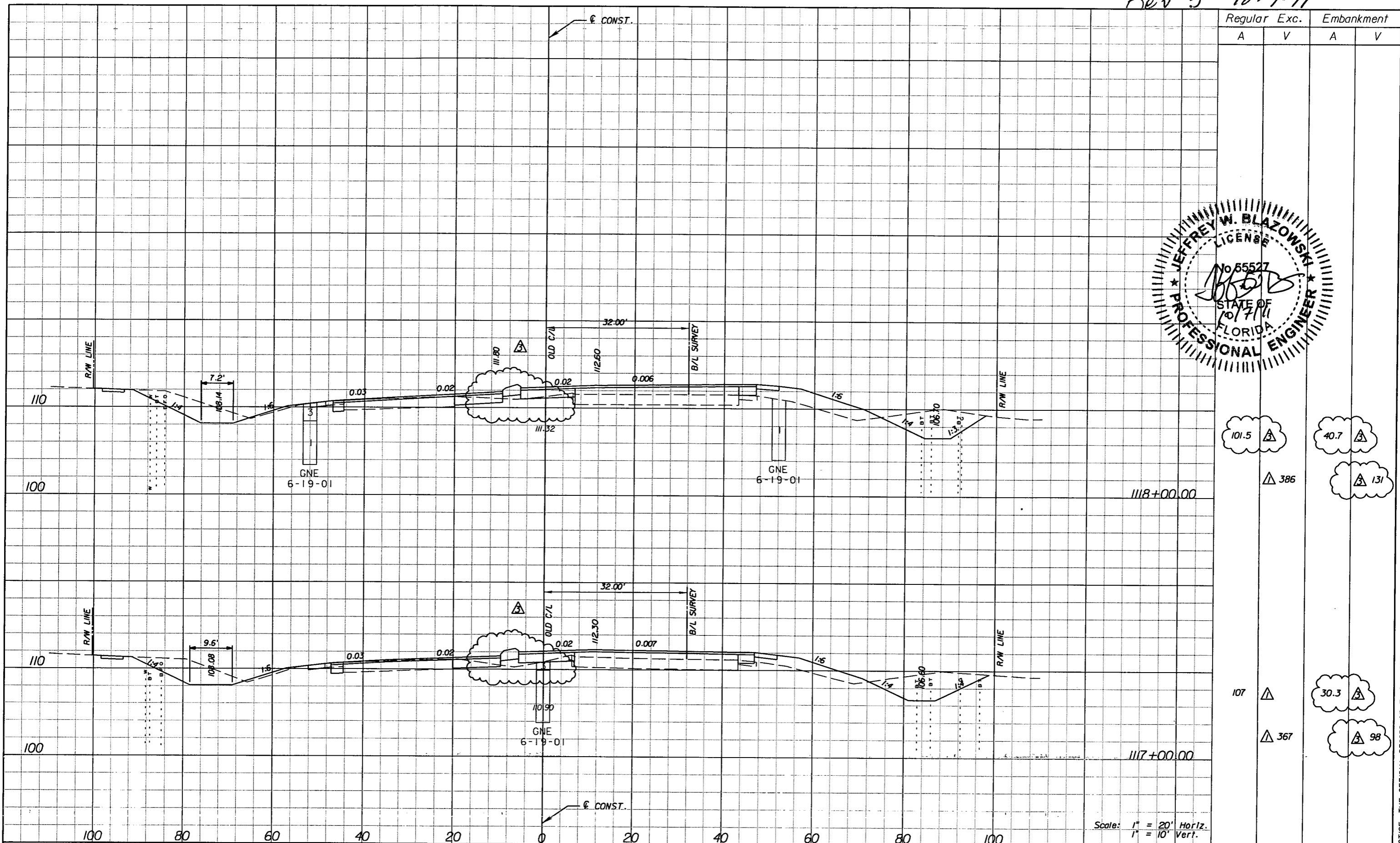
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
168

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Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY	DESCRIPTION	DATE		BY	DESCRIPTION
5/11/11		JWB	REVISD CROSS SECTIONS DUE TO MEDIAN CHANGES.				
10/7/11		JWB	REVISD CROSS SECTIONS DUE TO MEDIAN CHANGES.				

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

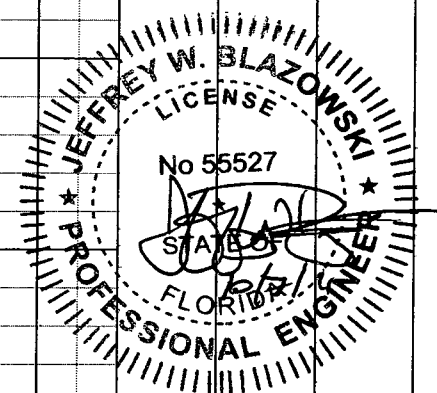
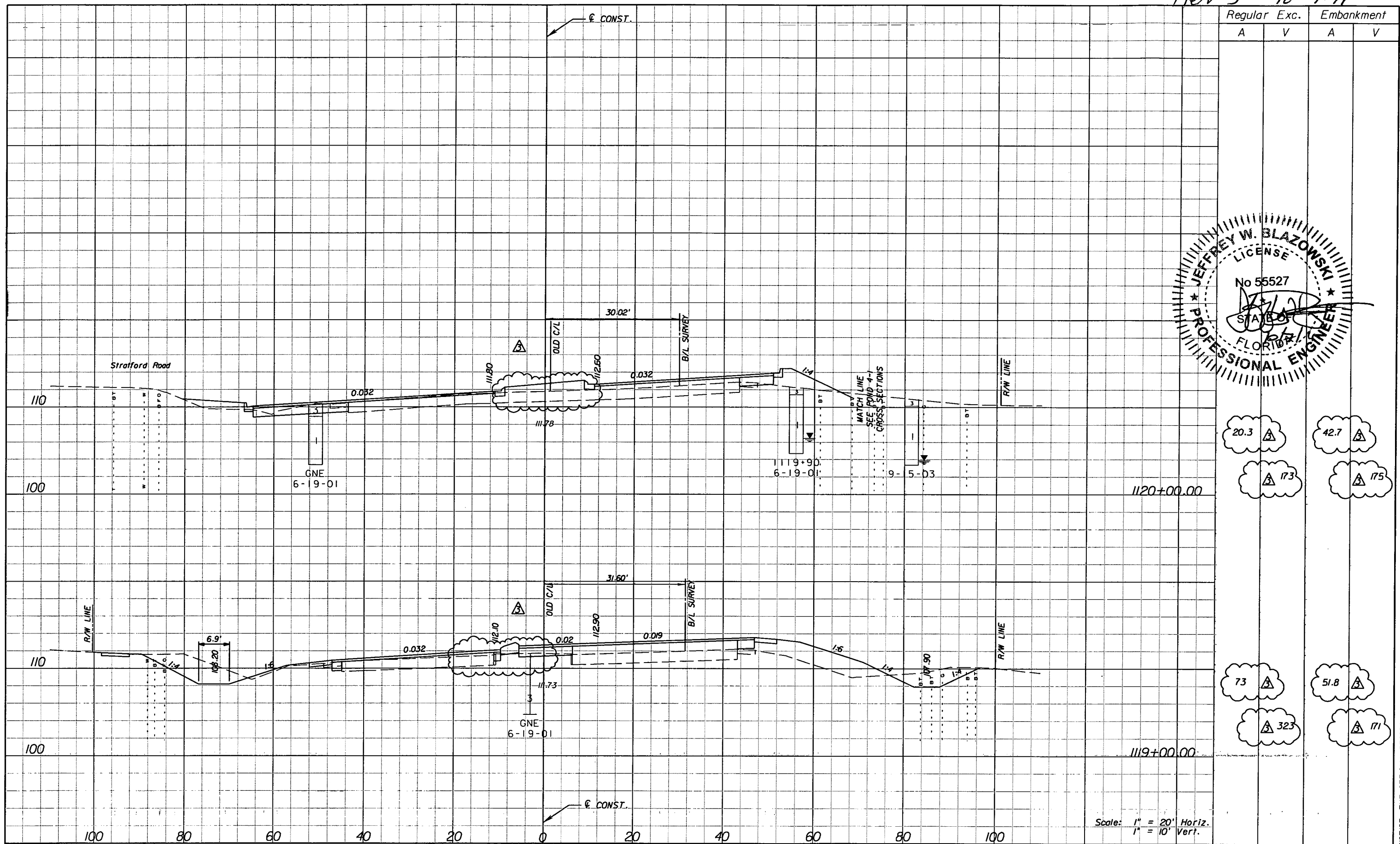
SHEET NO.  
168

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Rev 3 10-7-11



Regular		Exc.		Embankment	
A	V	A	V	A	V
20.3	173	42.7	175	73	323
				51.8	171

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB	Δ	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.		
10/7/11	JWB	Δ	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.		

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STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
ROAD NO. 25 COUNTY HIGHLANDS FINANCIAL PROJECT ID 194485-1-52-01

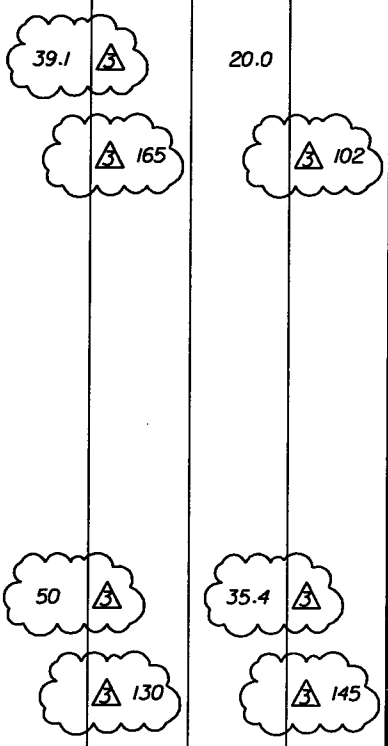
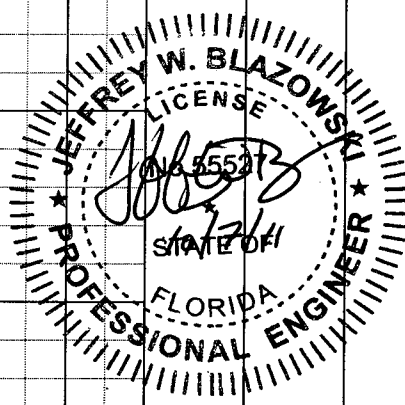
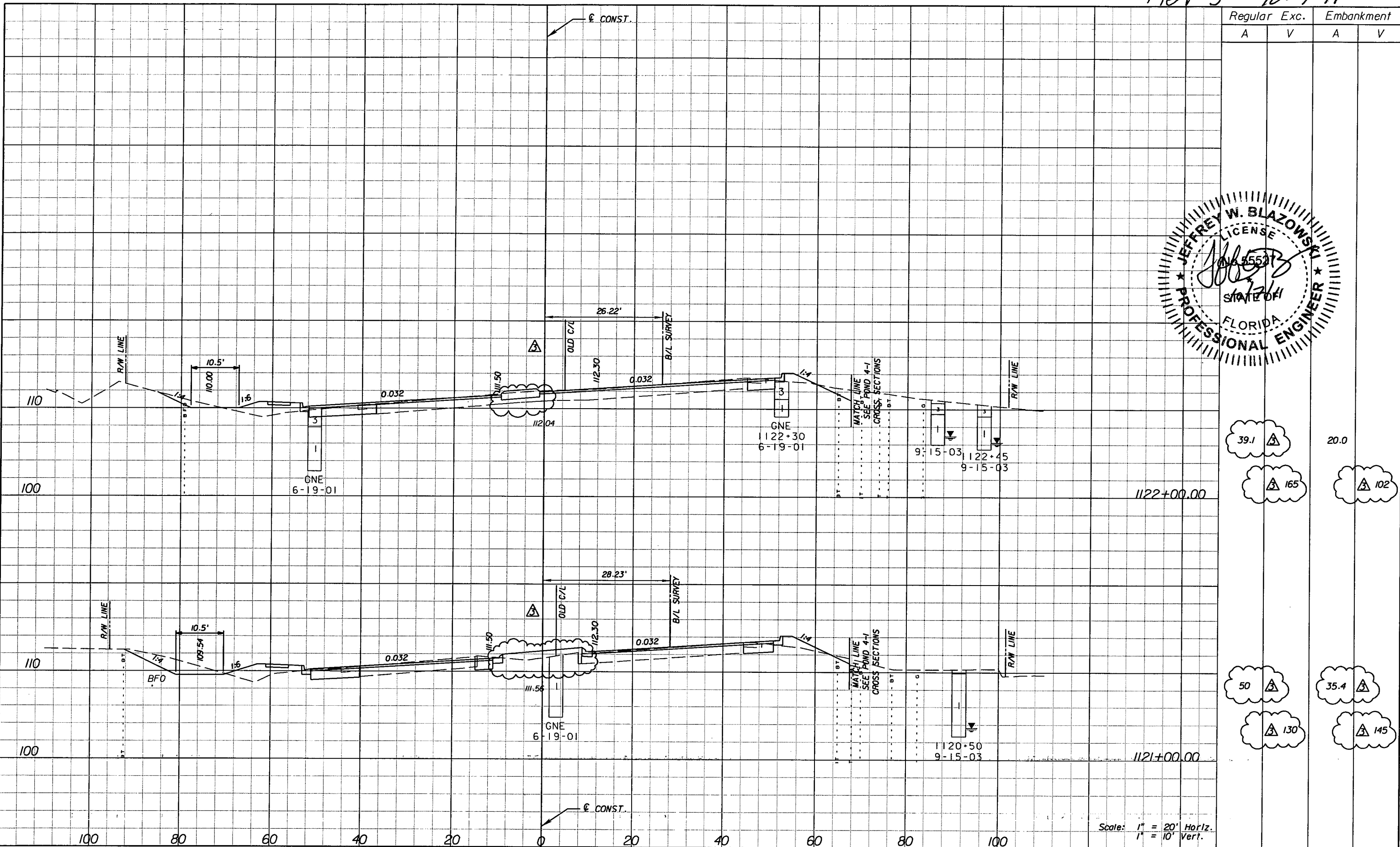
**CROSS SECTIONS**

SHEET NO. 169

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Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.			
10/7/11	JWB	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.			

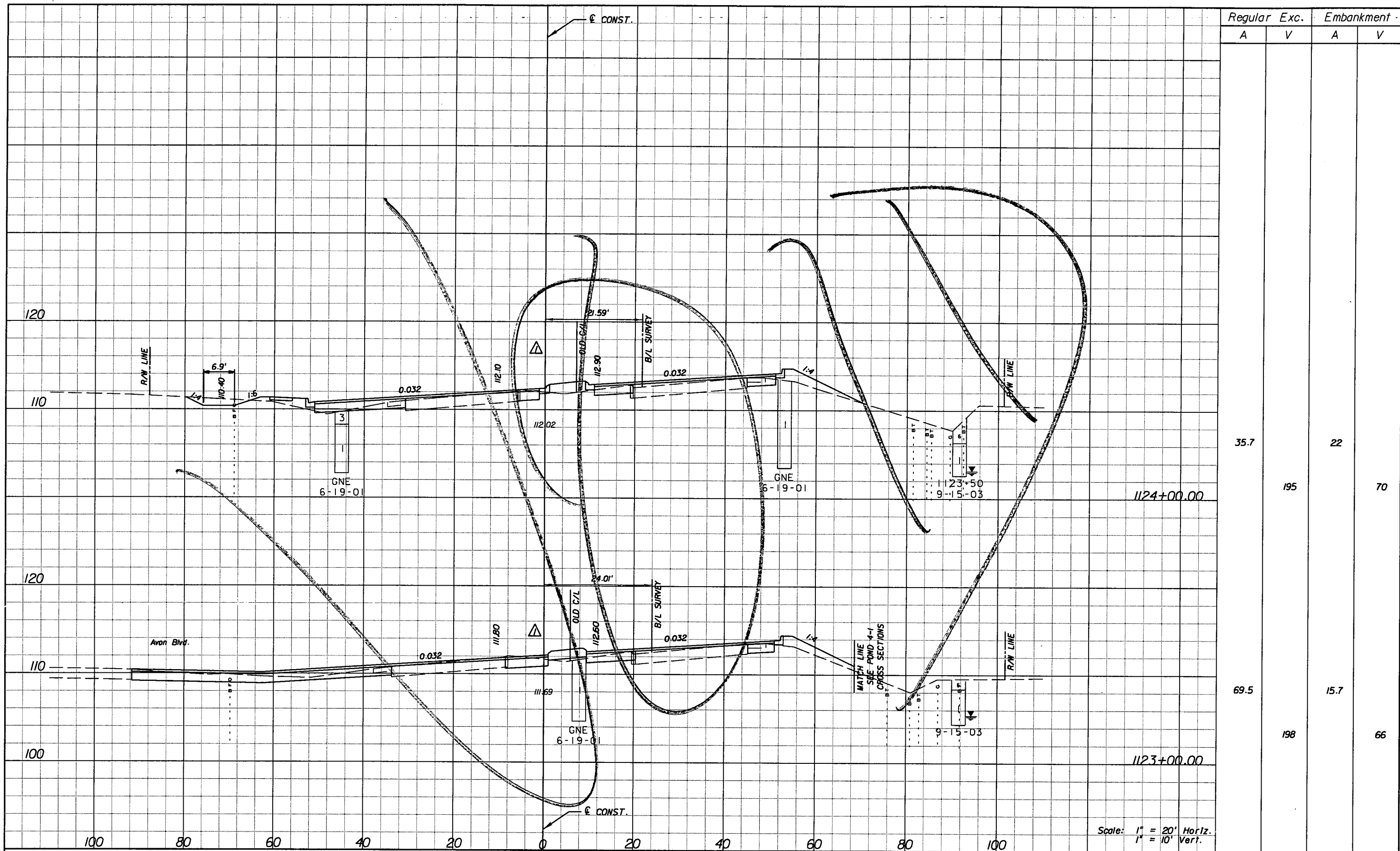
**URS**  
 URS Corporation Southern  
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 Tampa, FL 33607-1462  
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
170

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Regular		Exc.		Embankment	
A	V	A	V	A	V
35.7			195	22	
69.5			198	15.7	
					70
					66

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB	Δ	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.		

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

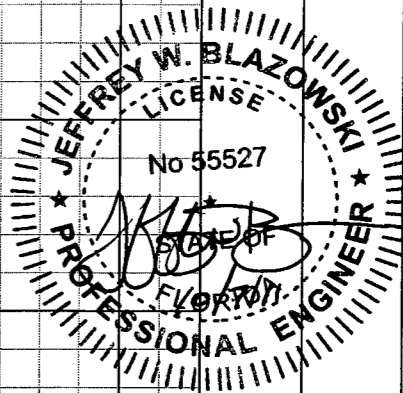
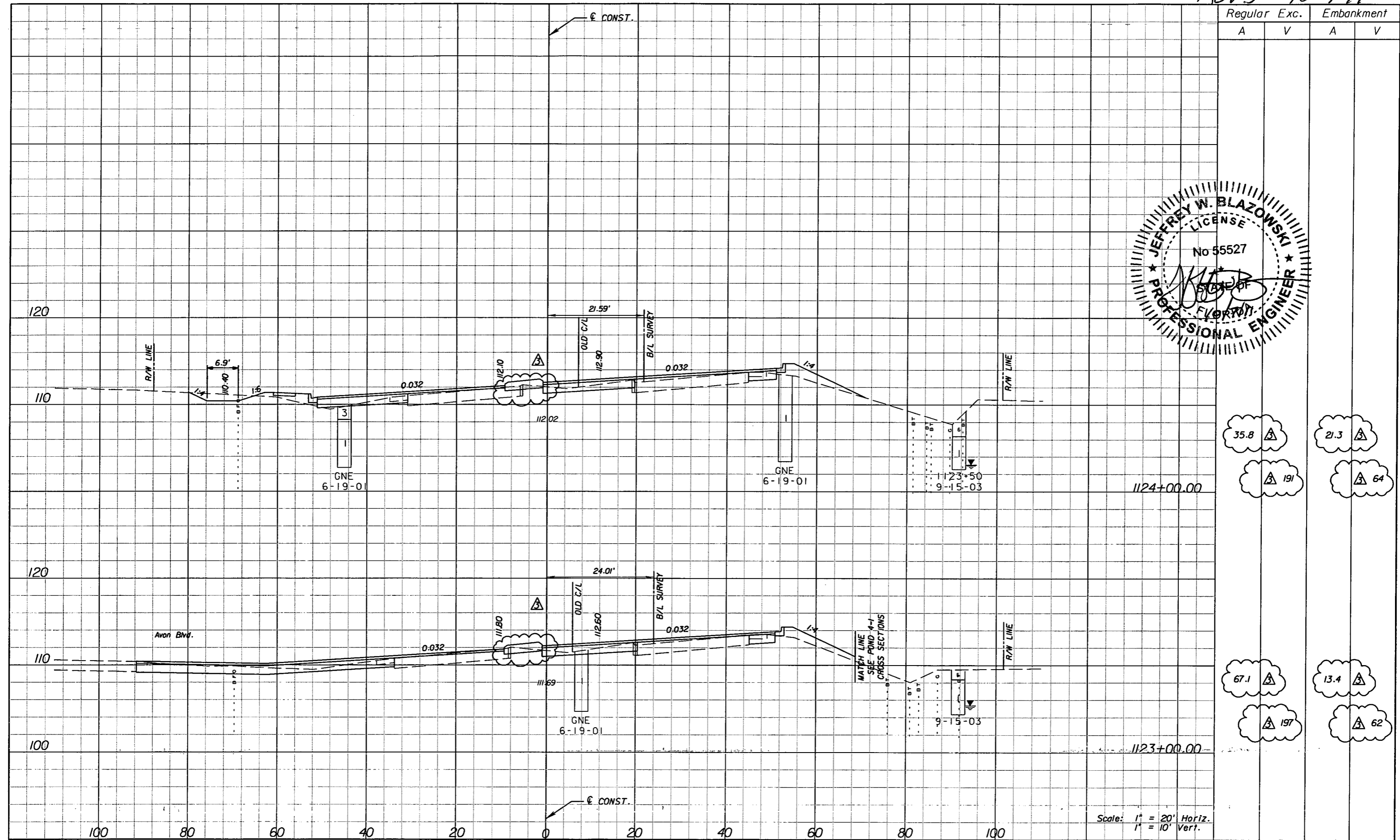
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
171

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Rev 3 10-7-11



Regular		Exc.		Embankment	
A	V	A	V	A	V
35.8	191	21.3	64	67.1	197
				13.4	62

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB	△	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.		
10/7/11	JWB	△	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.		

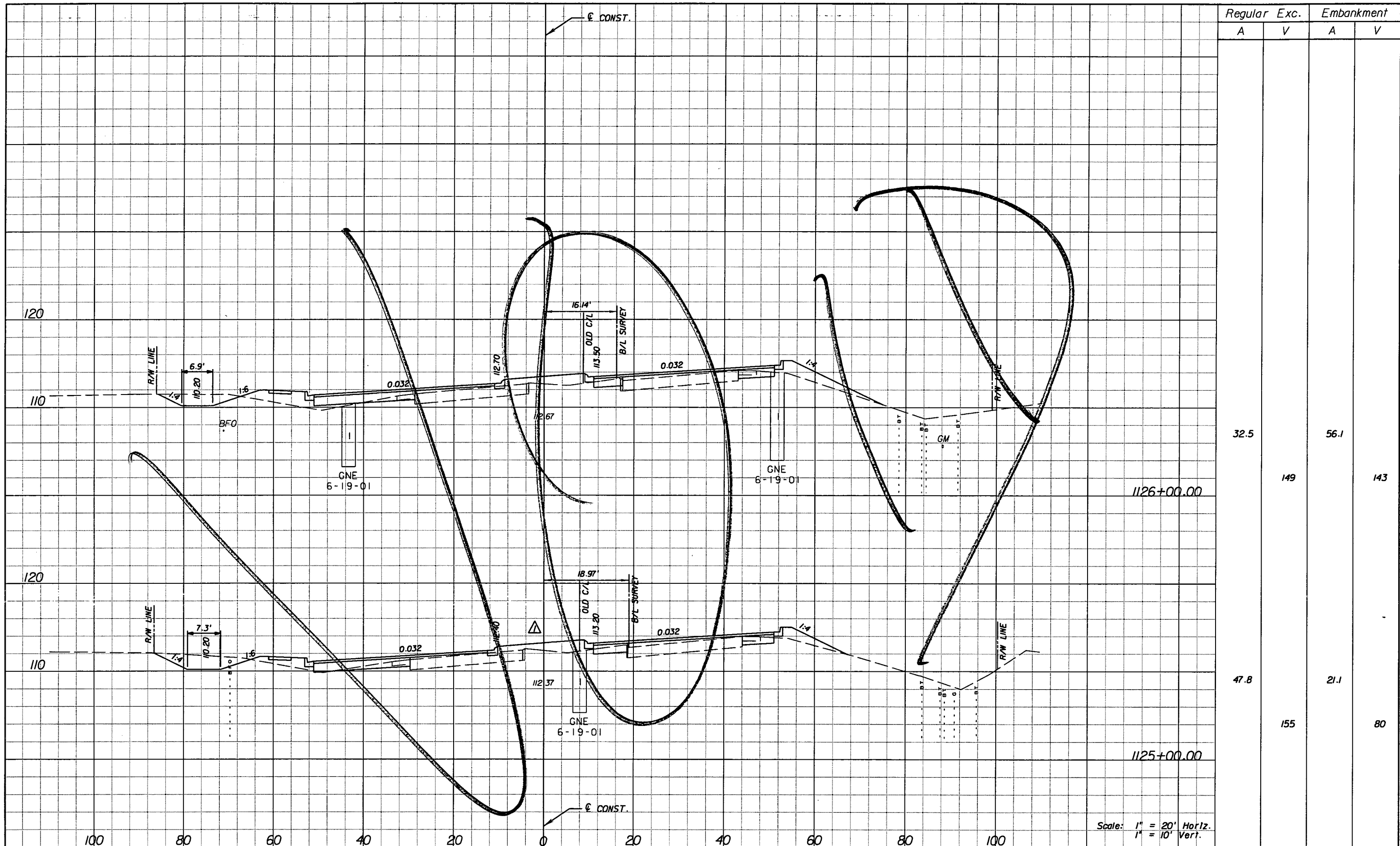
**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
ROAD NO. 25 COUNTY HIGHLANDS FINANCIAL PROJECT ID 194485-1-52-01

**CROSS SECTIONS**

SHEET NO. 171

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Regular		Exc.		Embankment	
A	V	A	V	A	V
32.5				56.1	
	149				143
47.8				21.1	
	155				80

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB			REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.	

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 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

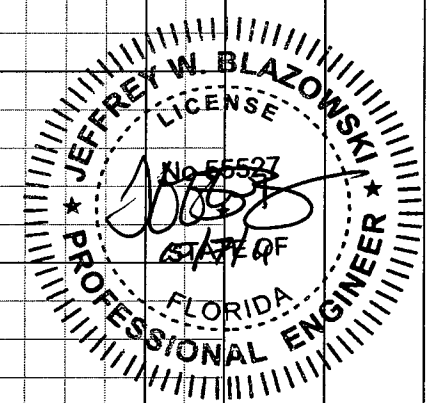
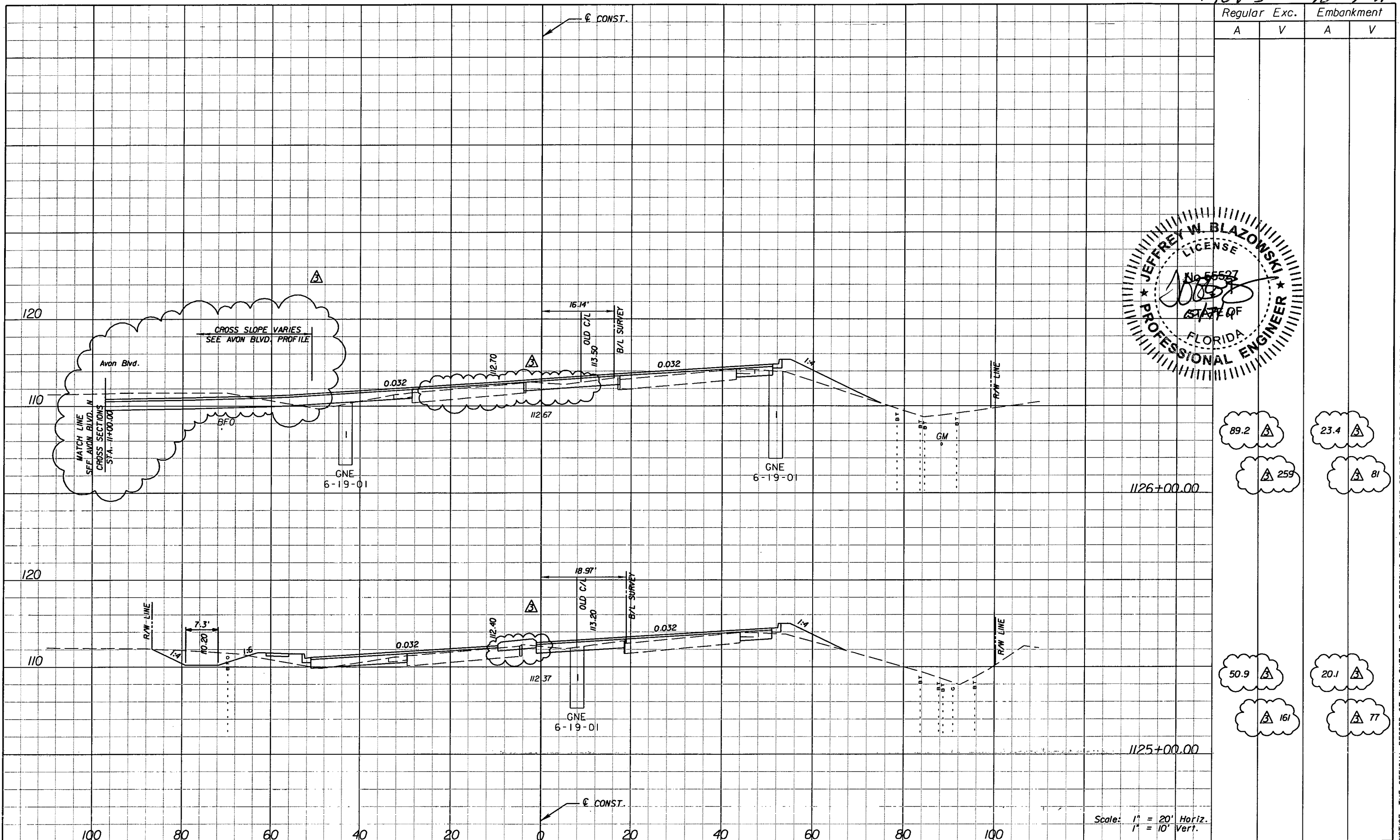
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.
172

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Rev 3 10-7-11



Regular		Exc.		Embankment	
A	V	A	V	A	V
89.2	23.4				
259	81				
50.9	20.1				
161	77				

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY	DESCRIPTION	REVISIONS	
5/11/11	JWB	1	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.		
10/7/11	JWB	2	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.		

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7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

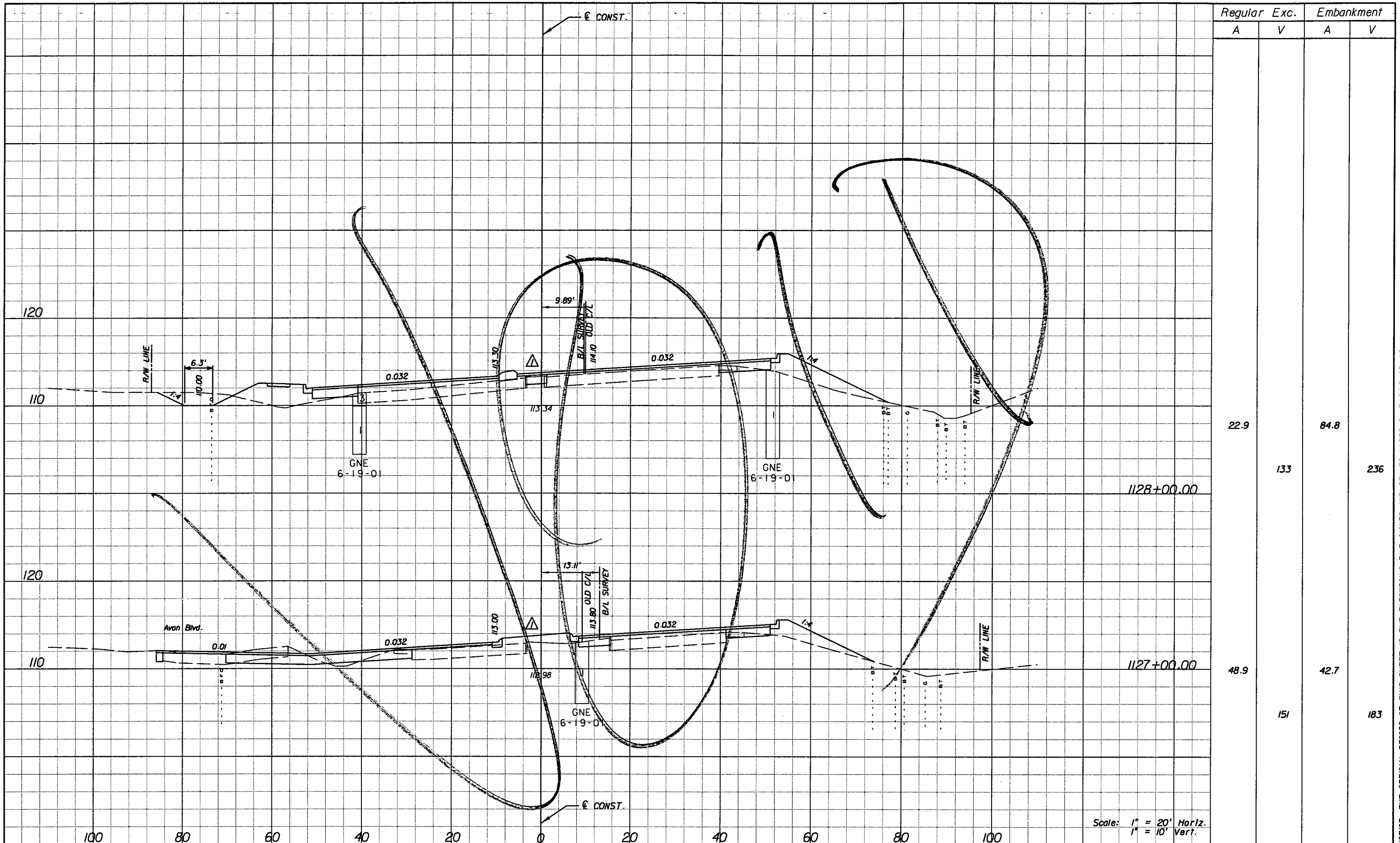
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.
172

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REVISIONS			
DATE	BY	DESCRIPTION	
5/11/11	JWB	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.	

**URS**  
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

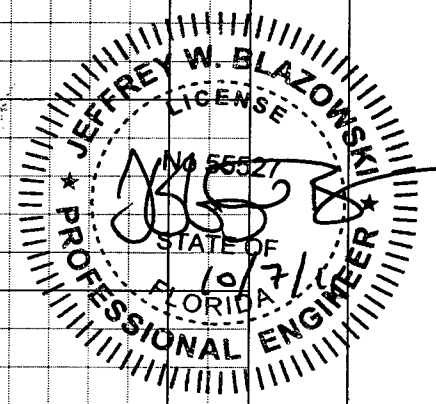
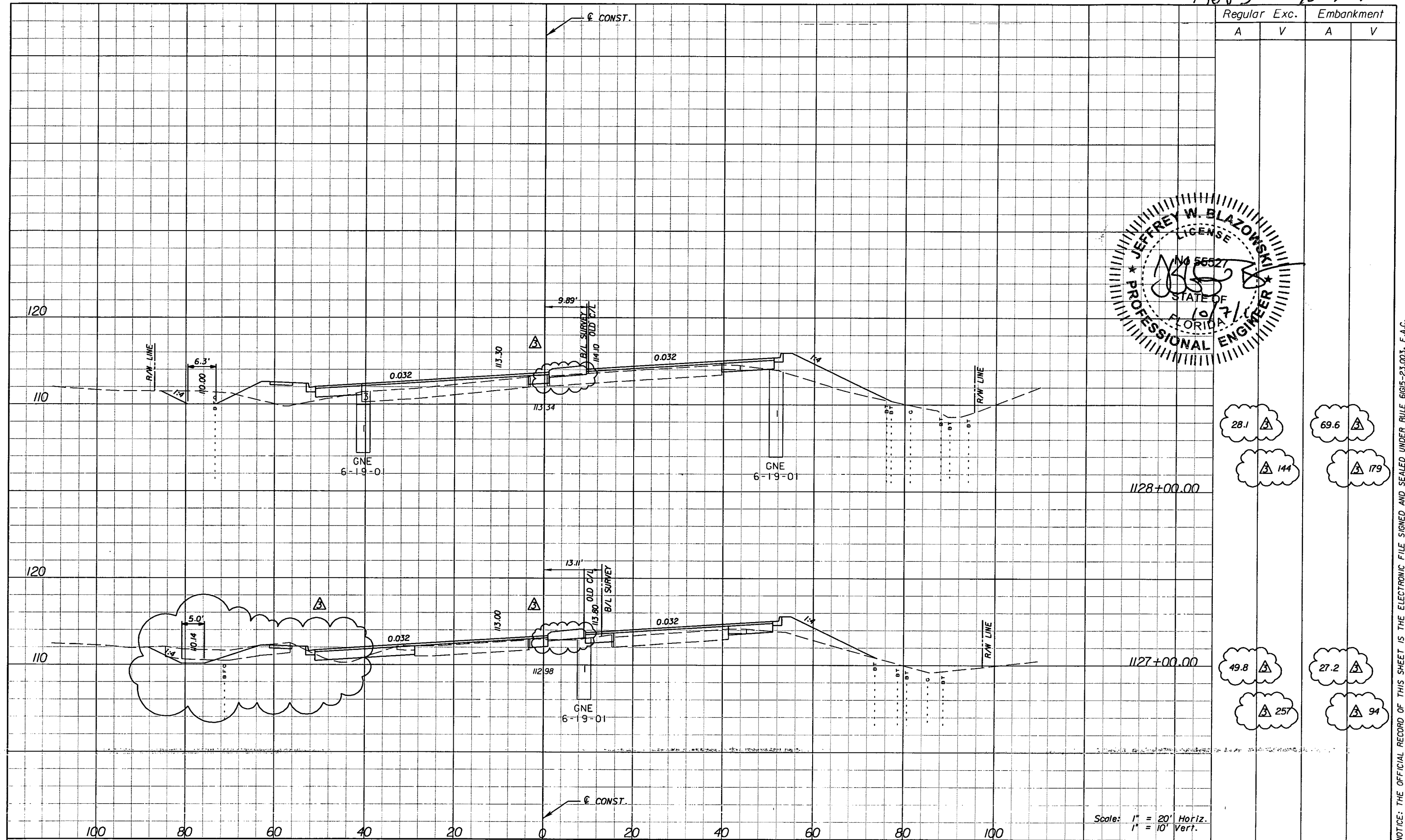
Scale: 1" = 20' Horiz.  
 1" = 10' Vert.

**CROSS SECTIONS**

SHEET NO.
173

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Rev 3 10-7-11



Regular		Exc.		Embankment	
A	V	A	V	A	V
28.1	144	69.6	179	49.8	257
				27.2	94

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB	▲	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.		
10/7/11	JWB	▲	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.		

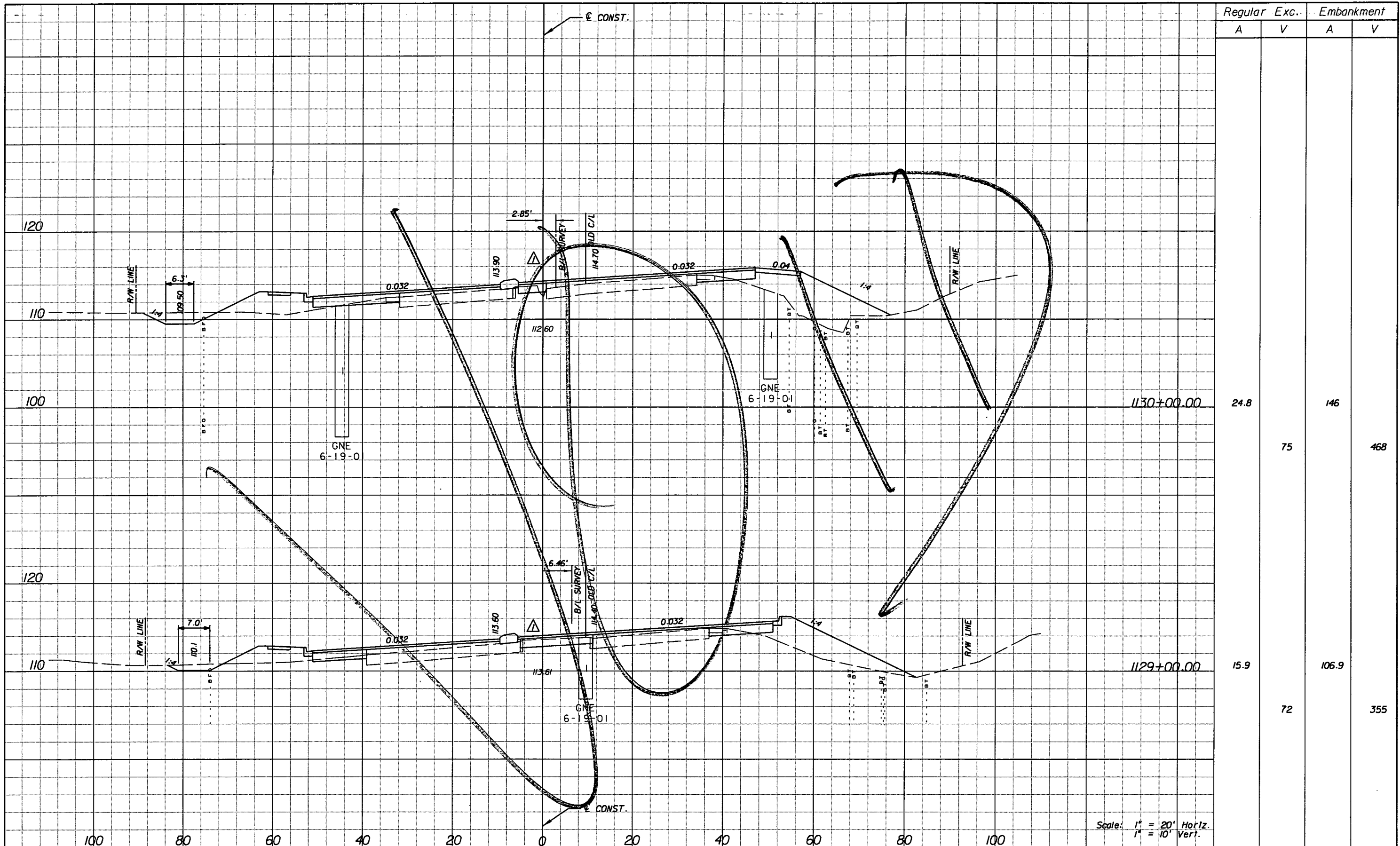
**URS**  
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7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.
173

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Regular	Exc.	Embankment	
		A	V
24.8		146	
	75		468
15.9		106.9	
	72		355

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB			REVISIED CROSS SECTIONS DUE TO MEDIAN CHANGES.	

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

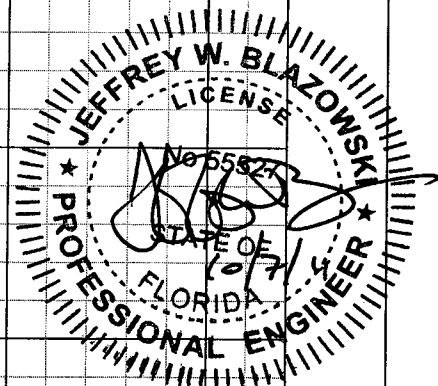
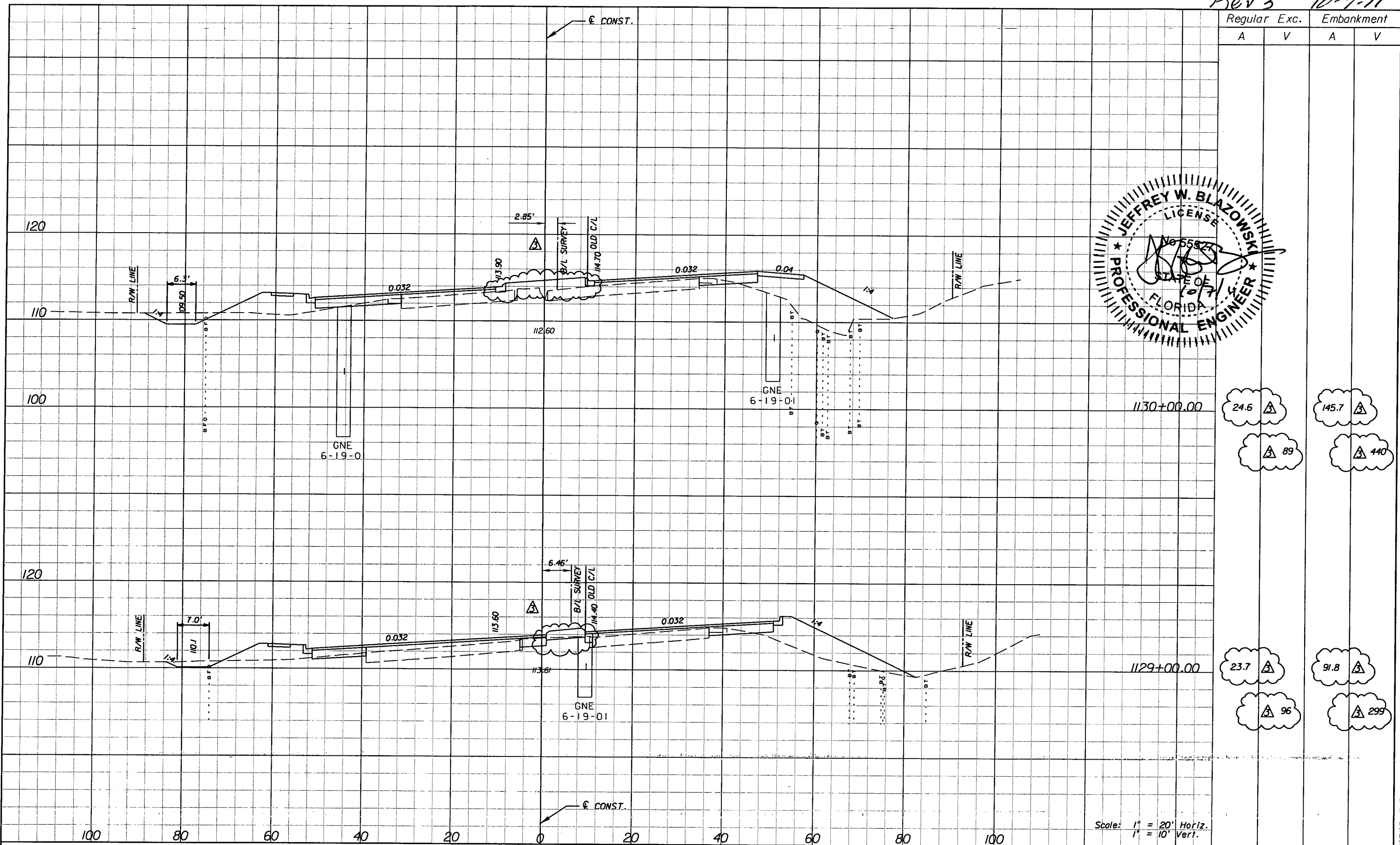
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
174

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Rev 3 10-7-11



Regular		Exc.		Embankment	
A	V	A	V	A	V
24.6	89	145.7	440	23.7	96
				91.8	299

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISD CROSS SECTIONS DUE TO MEDIAN CHANGES.			
10/7/11	JWB	REVISD CROSS SECTIONS DUE TO MEDIAN CHANGES.			

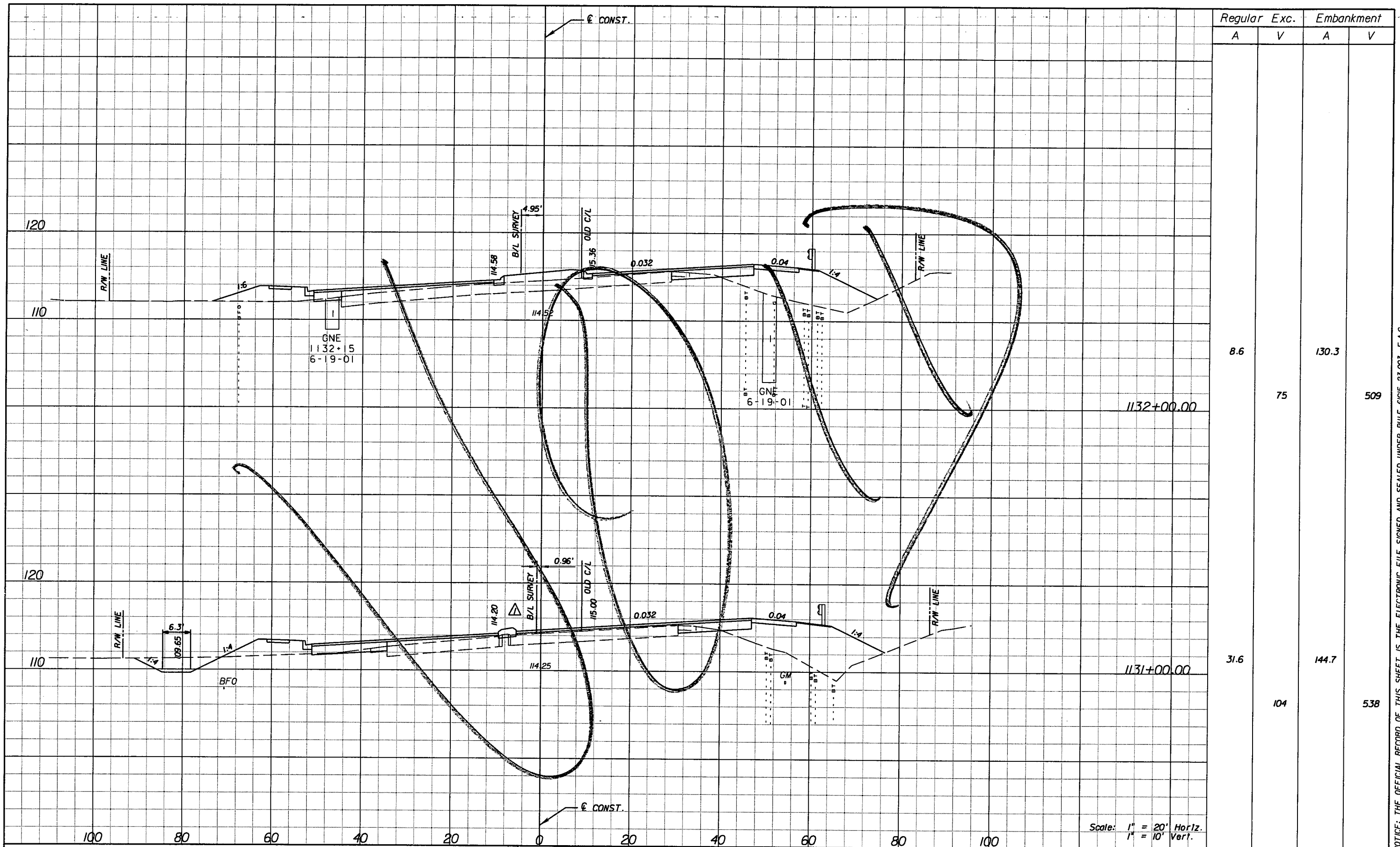
**URS**  
URS Corporation Southern  
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Campbell Causeway  
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Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
174

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.



DATE		BY		DESCRIPTION	DATE		BY		DESCRIPTION
5/11/11		JWB		REVISOR'S CROSS SECTIONS DUE TO MEDIAN CHANGES.					

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

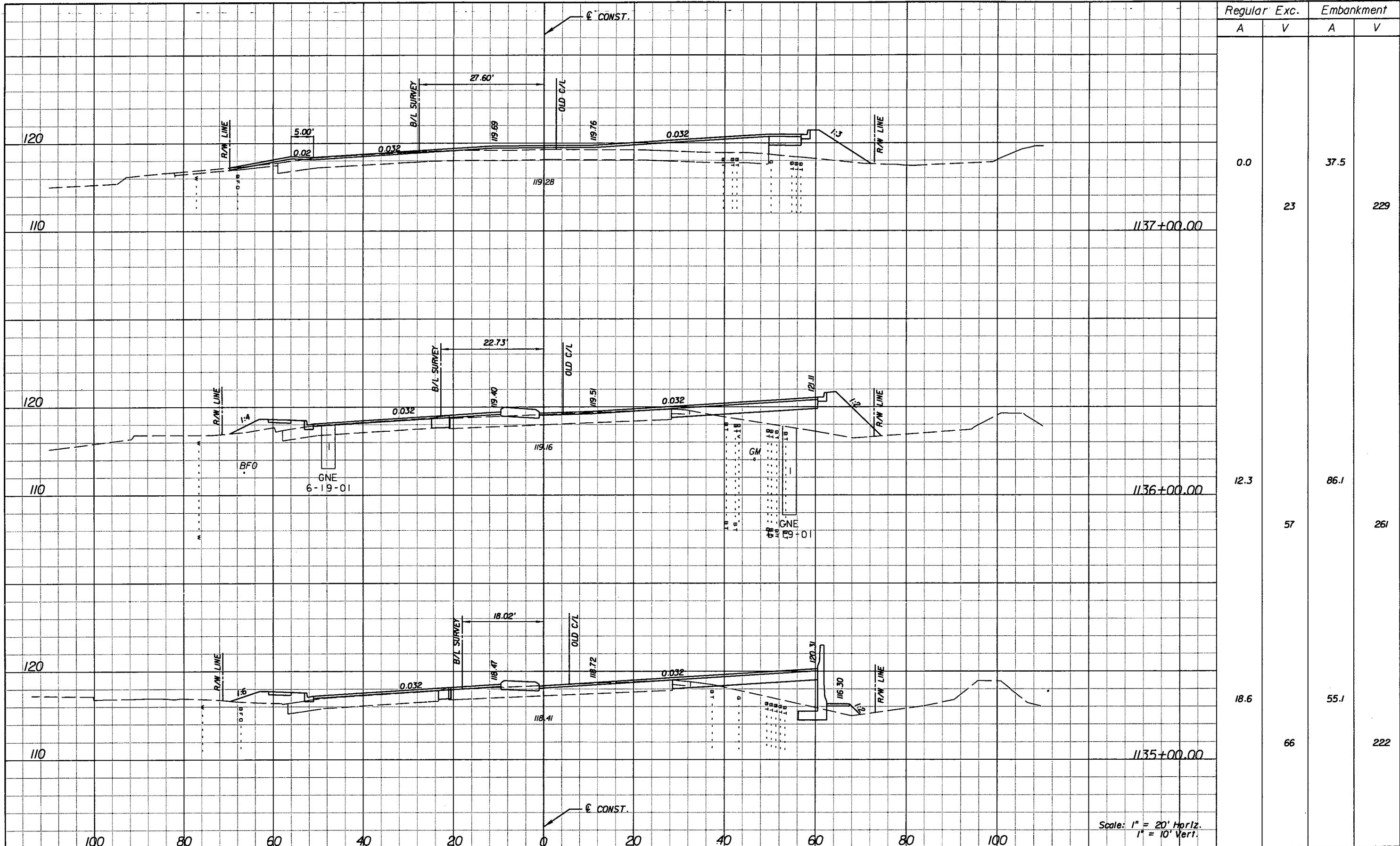
**CROSS SECTIONS**

SHEET NO. 175

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.







Regular		Exc.		Embankment	
A	V	A	V	A	V
0.0				37.5	
	23				229
12.3				86.1	
	57				261
18.6				55.1	
	66				222

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

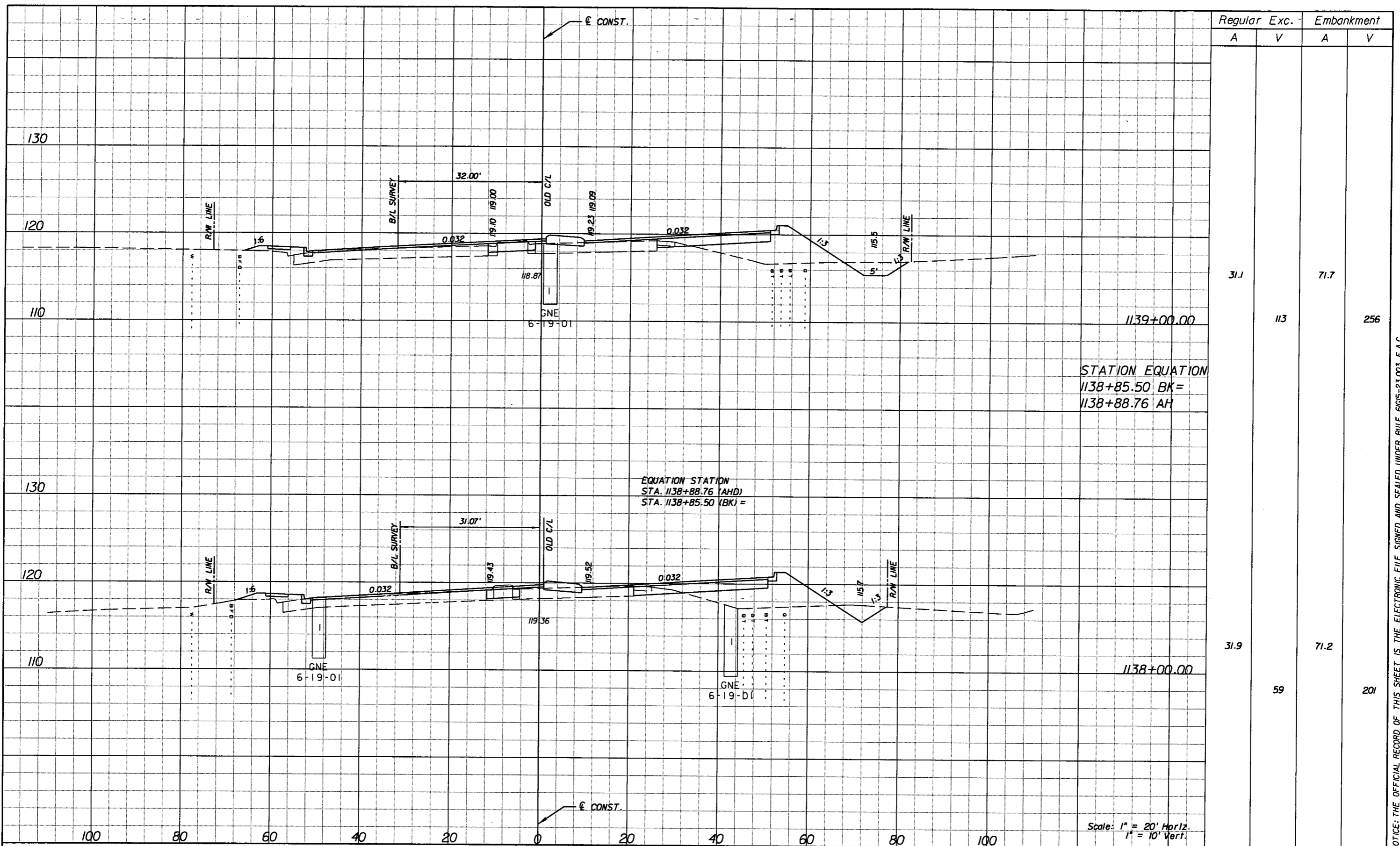
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
177

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STATION EQUATION  
 1138+85.50 BK =  
 1138+88.76 AH

EQUATION STATION  
 STA. 1138+88.76 (AHD)  
 STA. 1138+85.50 (BK) =

Scale: 1" = 20' Horiz.  
 1" = 10' Vert.

Regular		Exc.		Embankment	
A	V	A	V	A	V
31.1				71.7	
	113				256
31.9				71.2	
	59				201

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

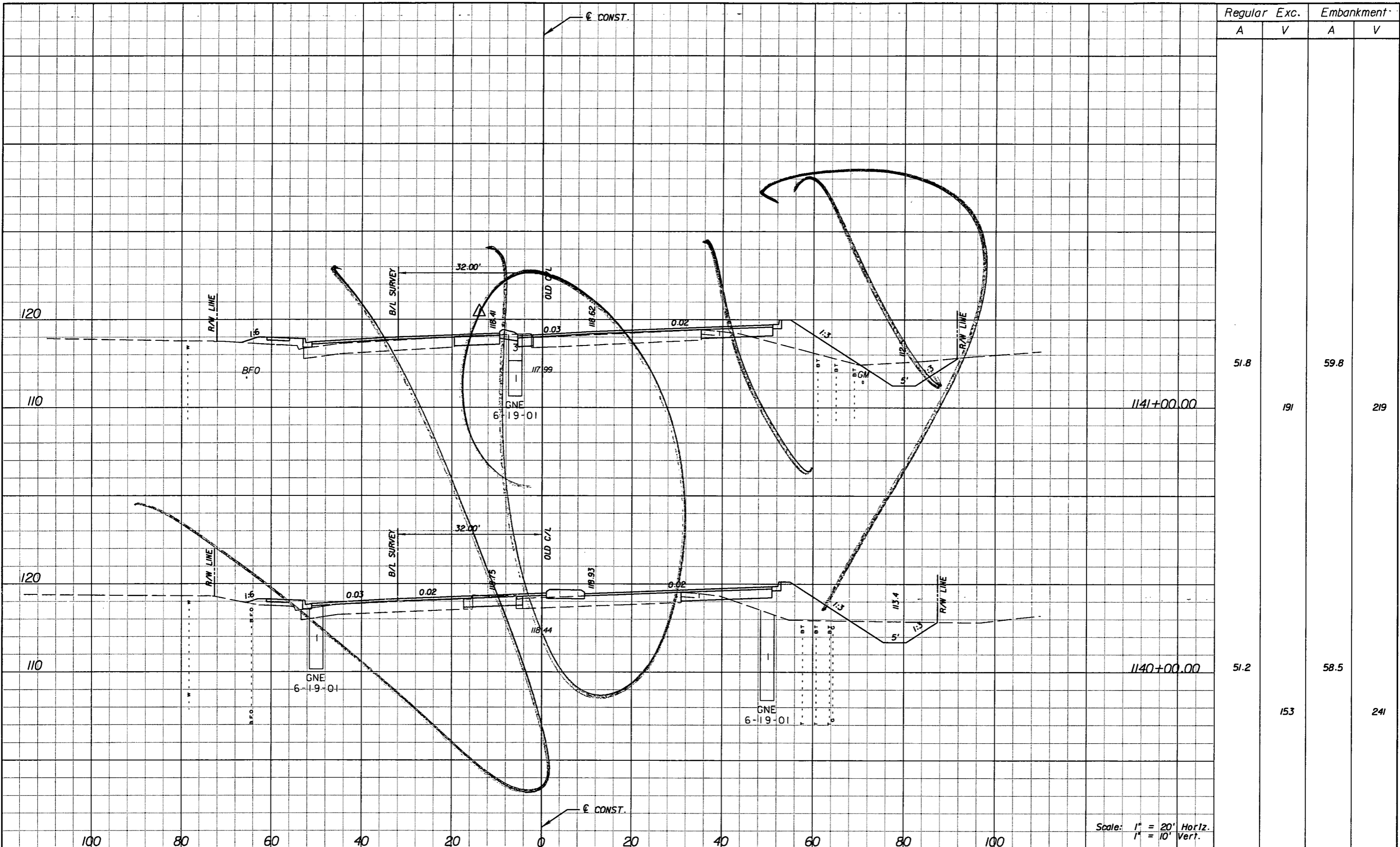
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
178

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



Regular		Exc.		Embankment	
A	V	A	V	A	V
51.8			191	59.8	219
51.2			153	58.5	241

DATE		BY		DESCRIPTION	
5/11/11	JWB	REVISOR'S CROSS SECTIONS DUE TO MEDIAN CHANGES.			

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

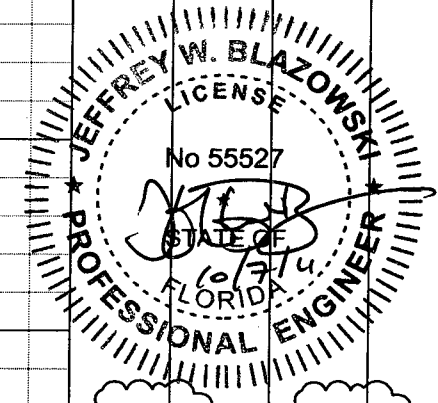
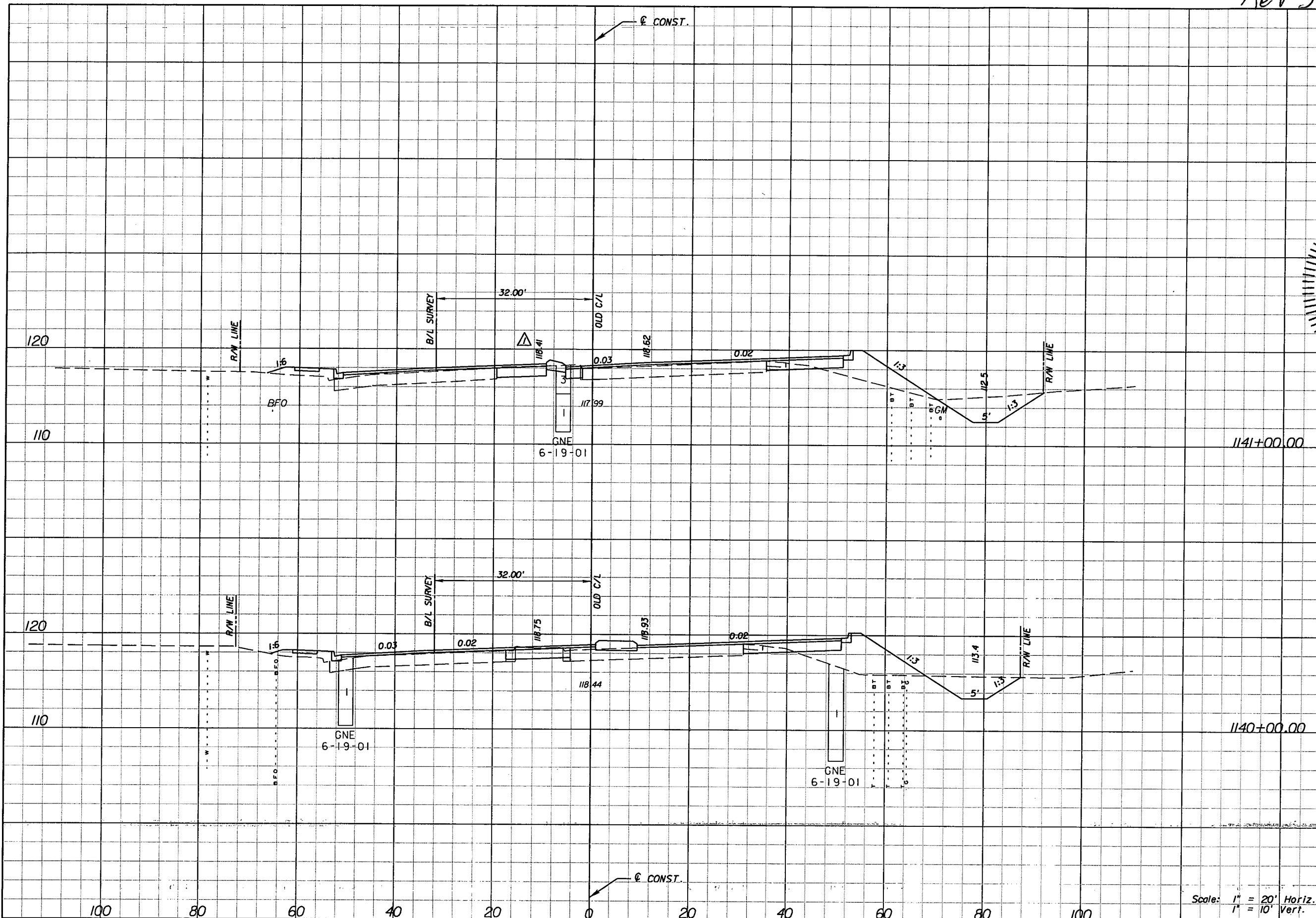
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
179

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

Rev 3 10-7-11



59.1  $\Delta$  204  
43.3  $\Delta$  189

51.2  
153  
58.5  
241

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS	
DATE	DESCRIPTION
5/11/11	$\Delta$ REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.
10/7/11	$\Delta$ REVISED EARTHWORK.

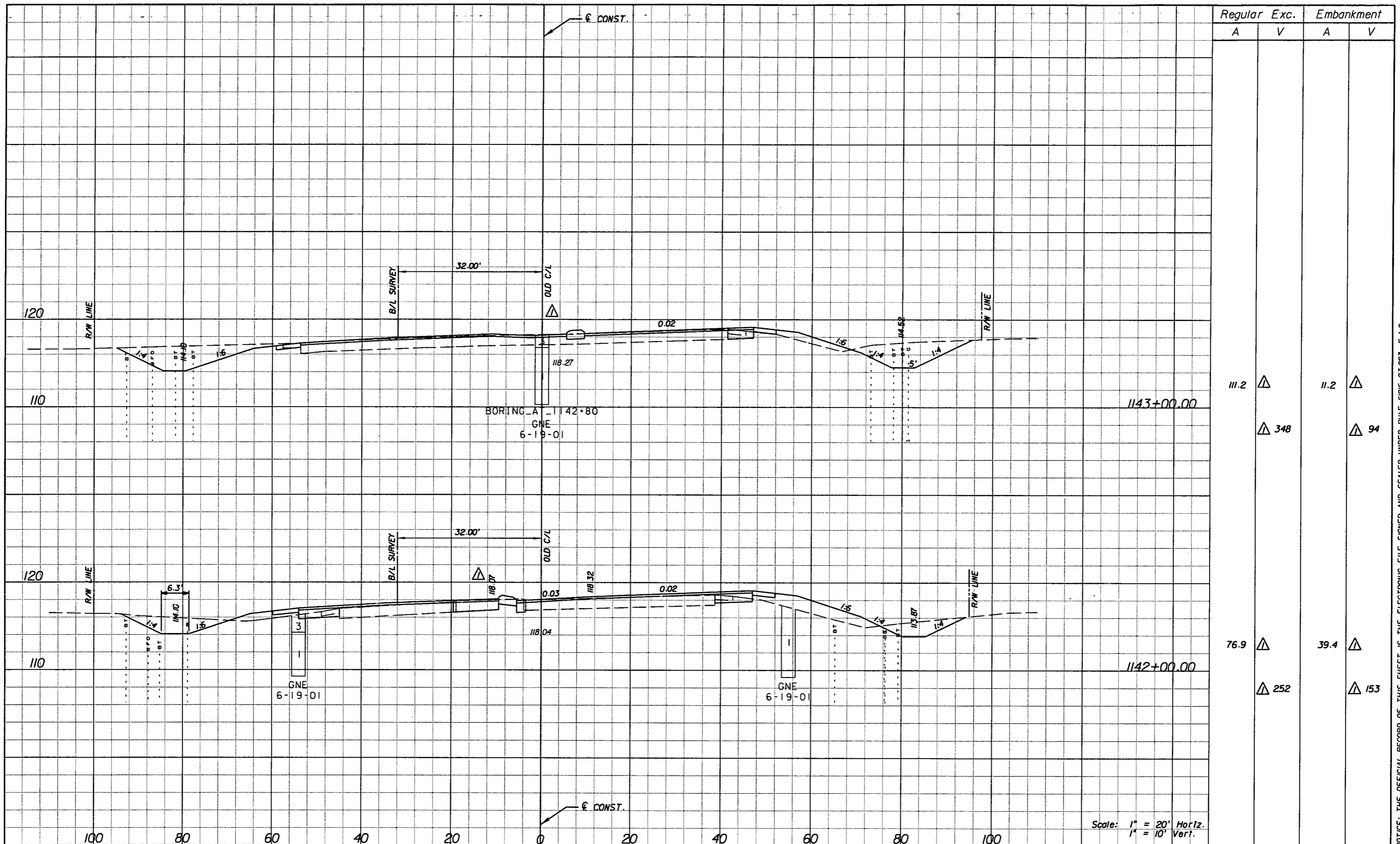
**URS**  
URS Corporation Southern  
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Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO. 179

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6015-23.003, F.A.C.



Regular		Exc.		Embankment	
A	V	A	V	A	V
1143+00.00	111.2	348		11.2	94
1142+00.00	76.9	252		39.4	153

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.			

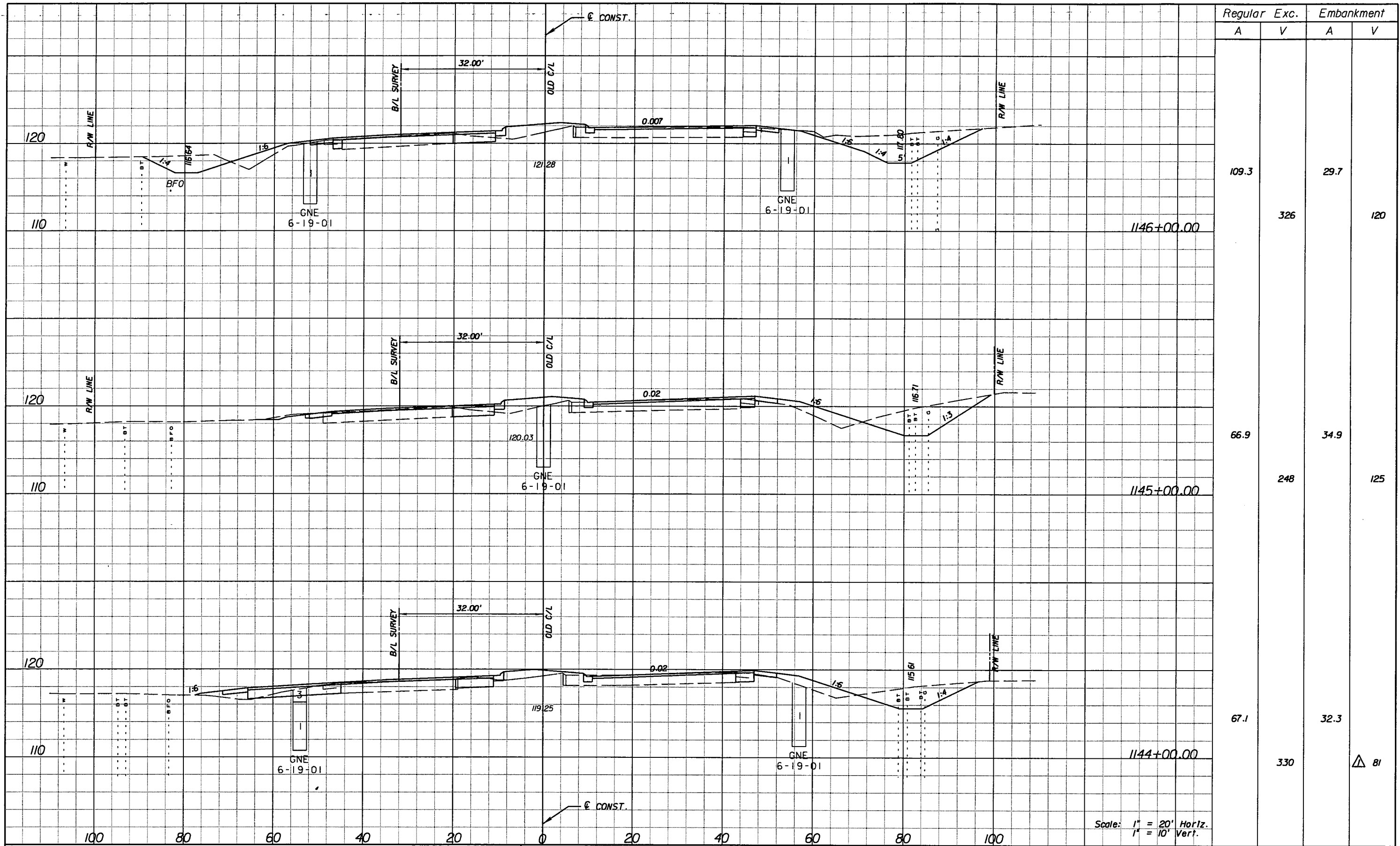
**URS**  
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 Campbell Causeway  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
180

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



	Regular		Exc.		Embankment	
	A	V	A	V	A	V
1146+00.00	109.3			326	29.7	120
1145+00.00	66.9			248	34.9	125
1144+00.00	67.1			330	32.3	81

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISD EARTHWORK QUANTITIES.			

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 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

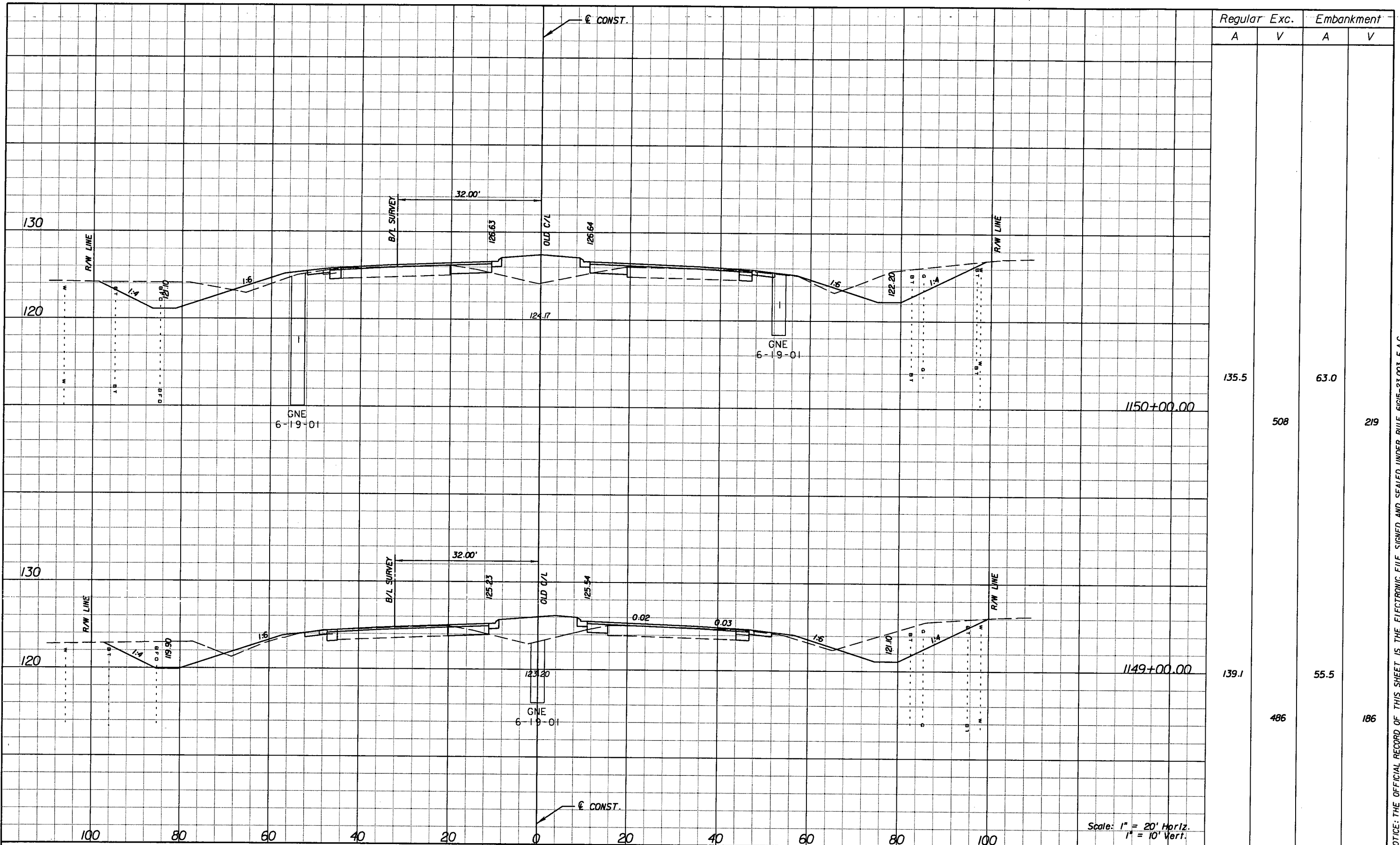
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
181

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.





Regular	Exc.	Embankment	
		A	V
135.5		63.0	
	508		219
139.1		55.5	
	486		186

REVISIONS			
DATE	BY	DESCRIPTION	

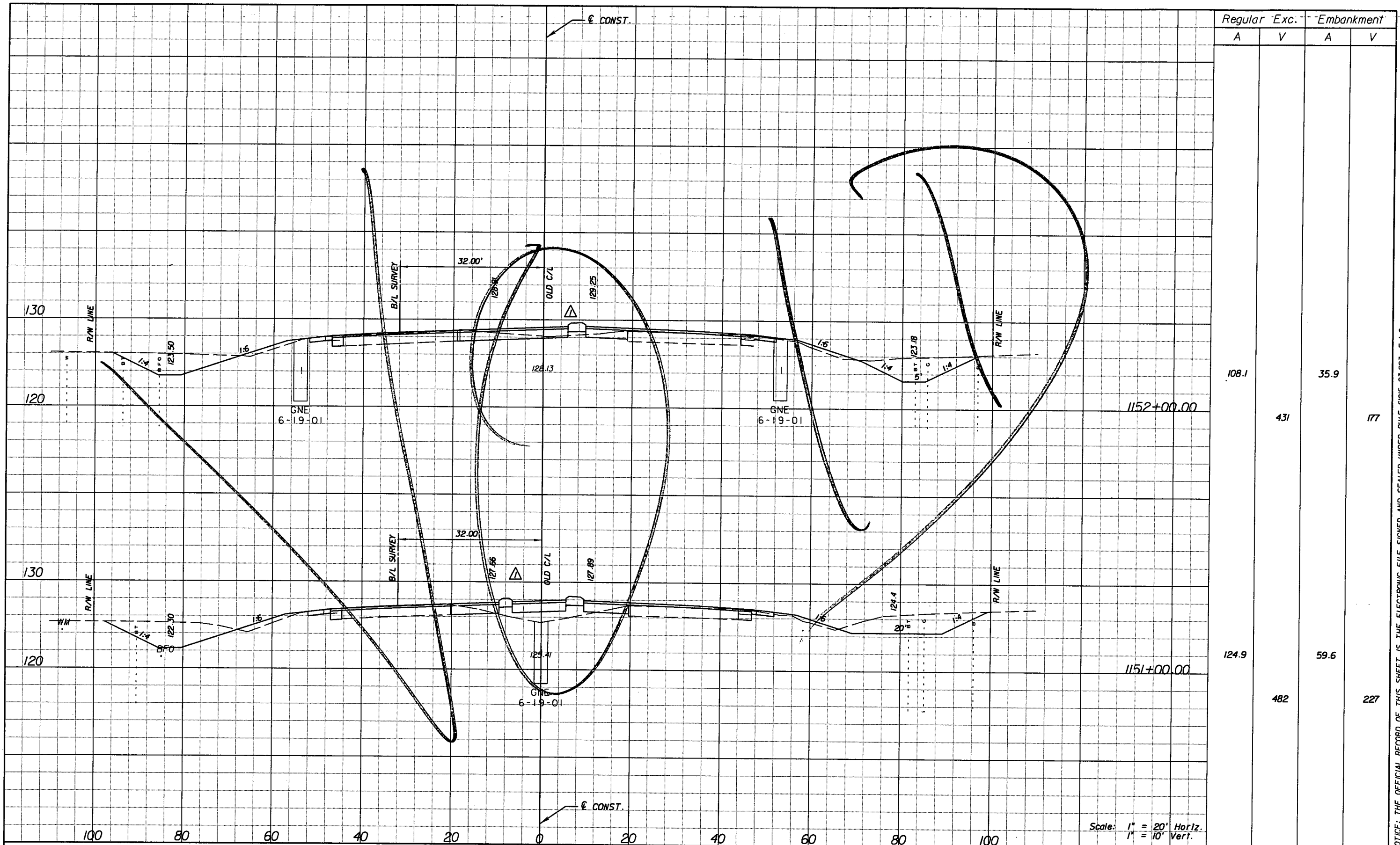
**URS**  
 URS Corporation Southern  
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 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
183

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



DATE		BY		DESCRIPTION	DATE		BY		DESCRIPTION
5/11/11		JWB		REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.					

**URS**  
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 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

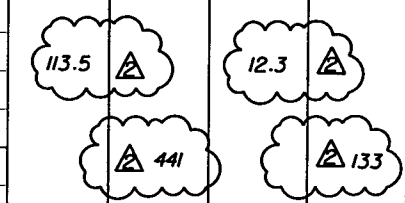
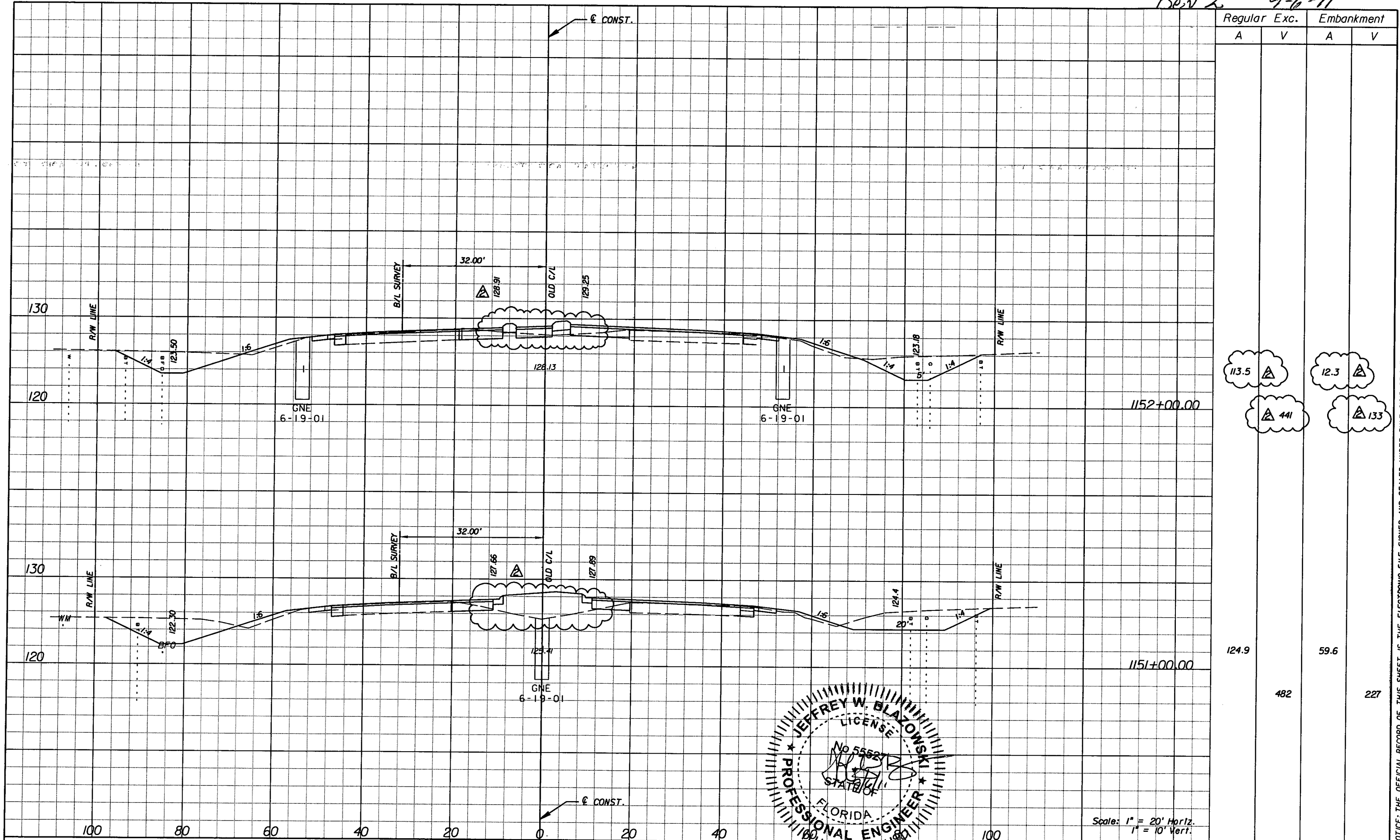
**CROSS SECTIONS**

SHEET NO.  
184

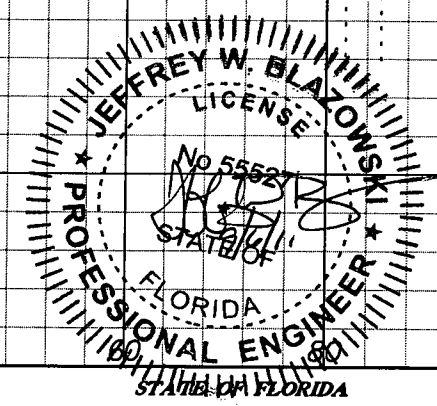
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Rev 2 9-6-11



Regular	Exc.	Embankment
A	V	A V
113.5	441	
12.3	133	
124.9	482	59.6
		227



Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB	REVIS		REVIS	
9/6/11	JWB	RELOCATED SB DIRECTIONAL MEDIAN OPENING. REVISED EARTHWORK.			

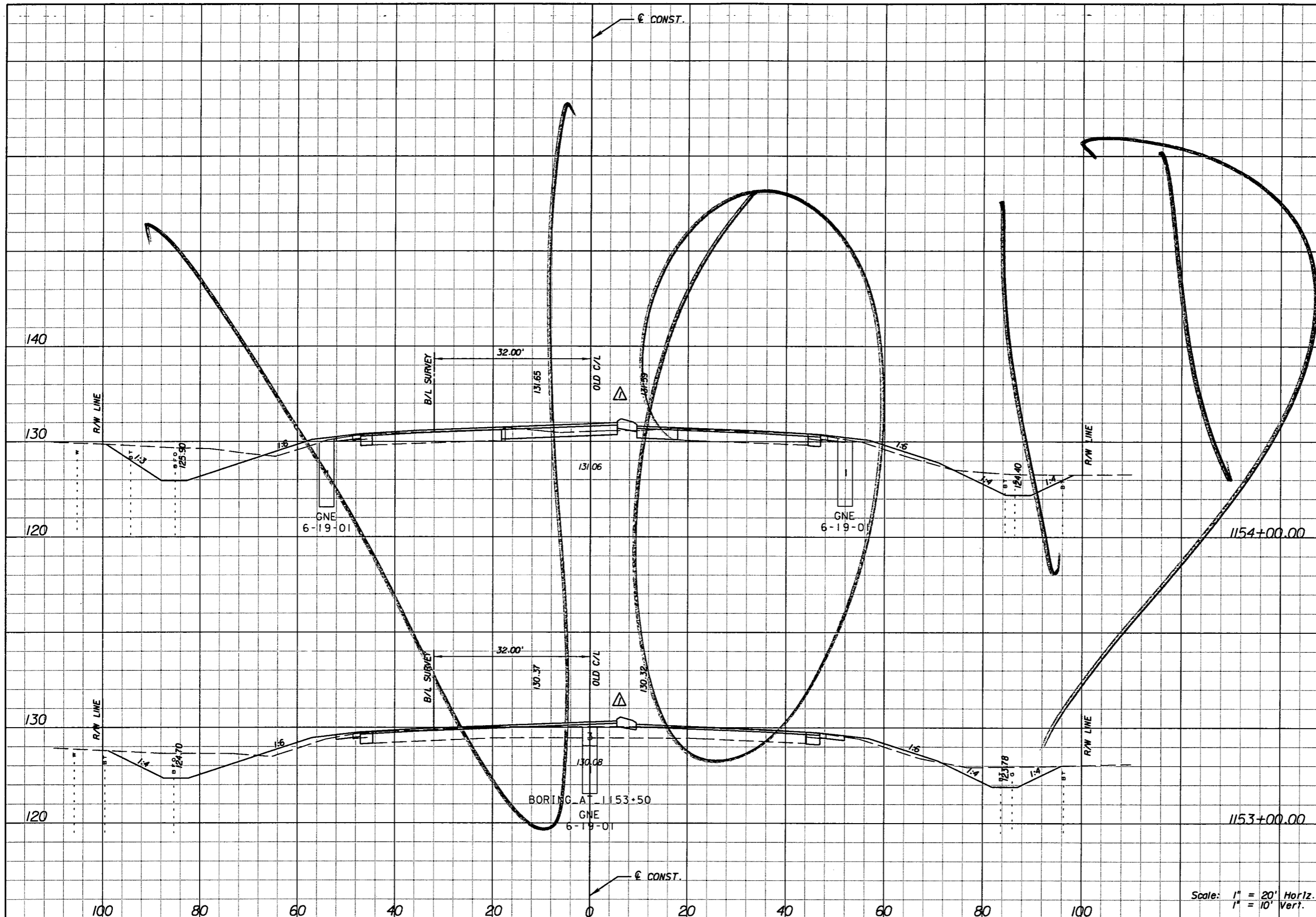
**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
184

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
1154+00.00						
	122.0				35.0	
		388				119
1153+00.00						
	87.8				29.2	
		363				120

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB	Δ	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.		

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

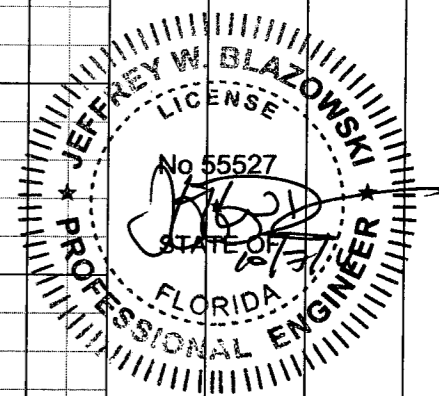
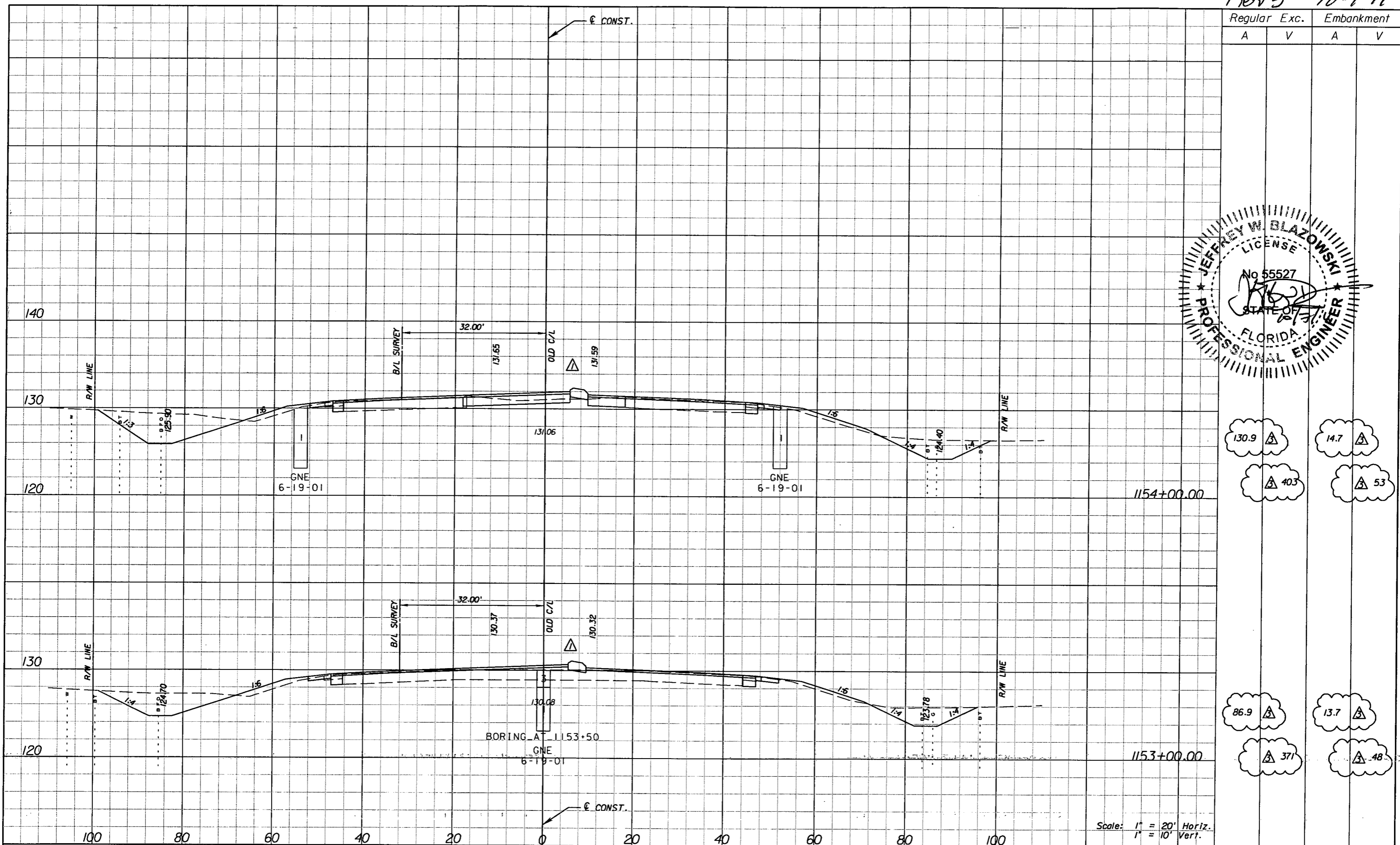
**CROSS SECTIONS**

SHEET NO.  
185

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Rev 3 10-7-11



Regular		Exc.		Embankment	
A	V	A	V	A	V
130.9	△	14.7	△		
△ 403		△ 53			
86.9	△	13.7	△		
△ 371		△ 48			

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	△ REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.			
9/6/11	JWB	△ REVISED EARTHWORK.			
10/7/11	JWB	△ REVISED EARTHWORK.			

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

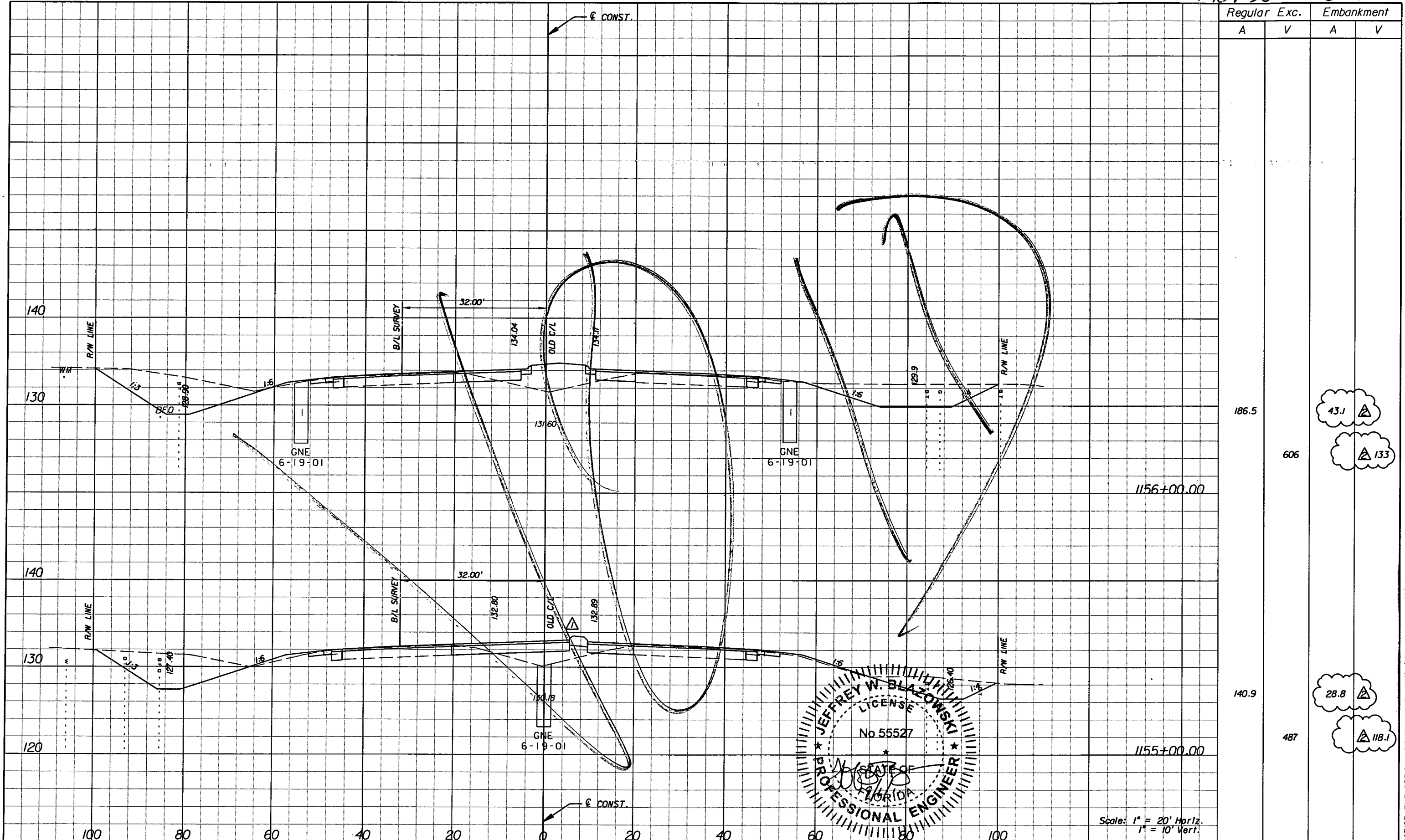
**CROSS SECTIONS**

SHEET NO.  
185

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.

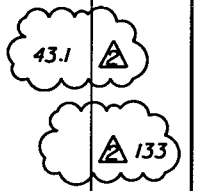


Rev 2 9-6-11



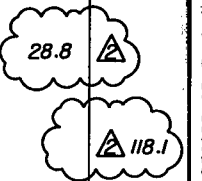
Regular		Exc.		Embankment	
A	V	A	V	A	V

186.5  
606



1156+00.00

140.9  
487



1155+00.00

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY	DESCRIPTION	REVISIONS		DATE	BY	DESCRIPTION
5/11/11		JWB	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.					
9/6/11		JWB	RELOCATED SB DIRECTIONAL MEDIAN OPENING. REVISED EARTHWORK.					

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
186

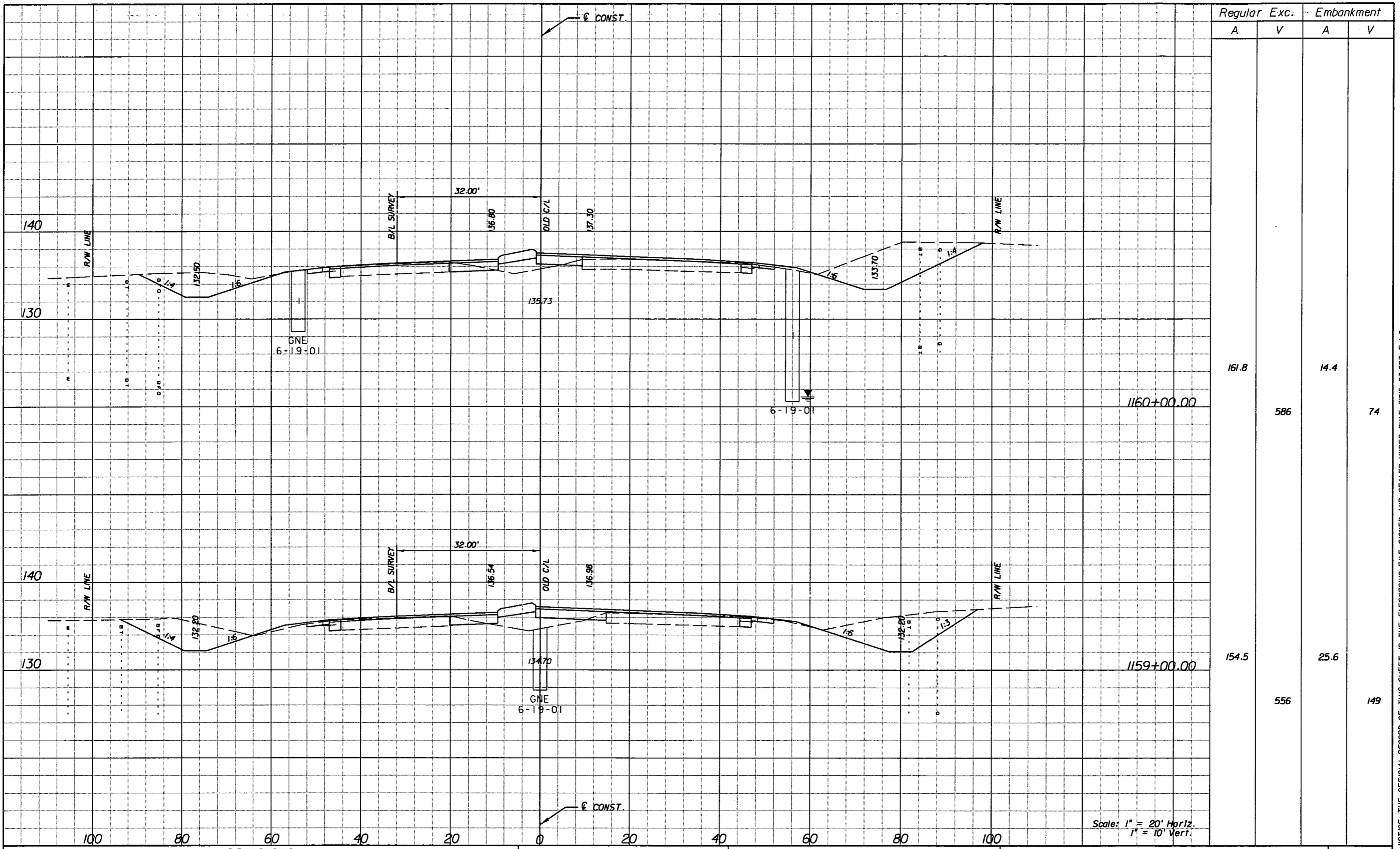
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Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
1160+00.00	161.8	586	14.4	74		
1159+00.00	154.5	556	25.6	149		

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 7650 West Courtney  
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 Certificate of Authorization No. 00000002  
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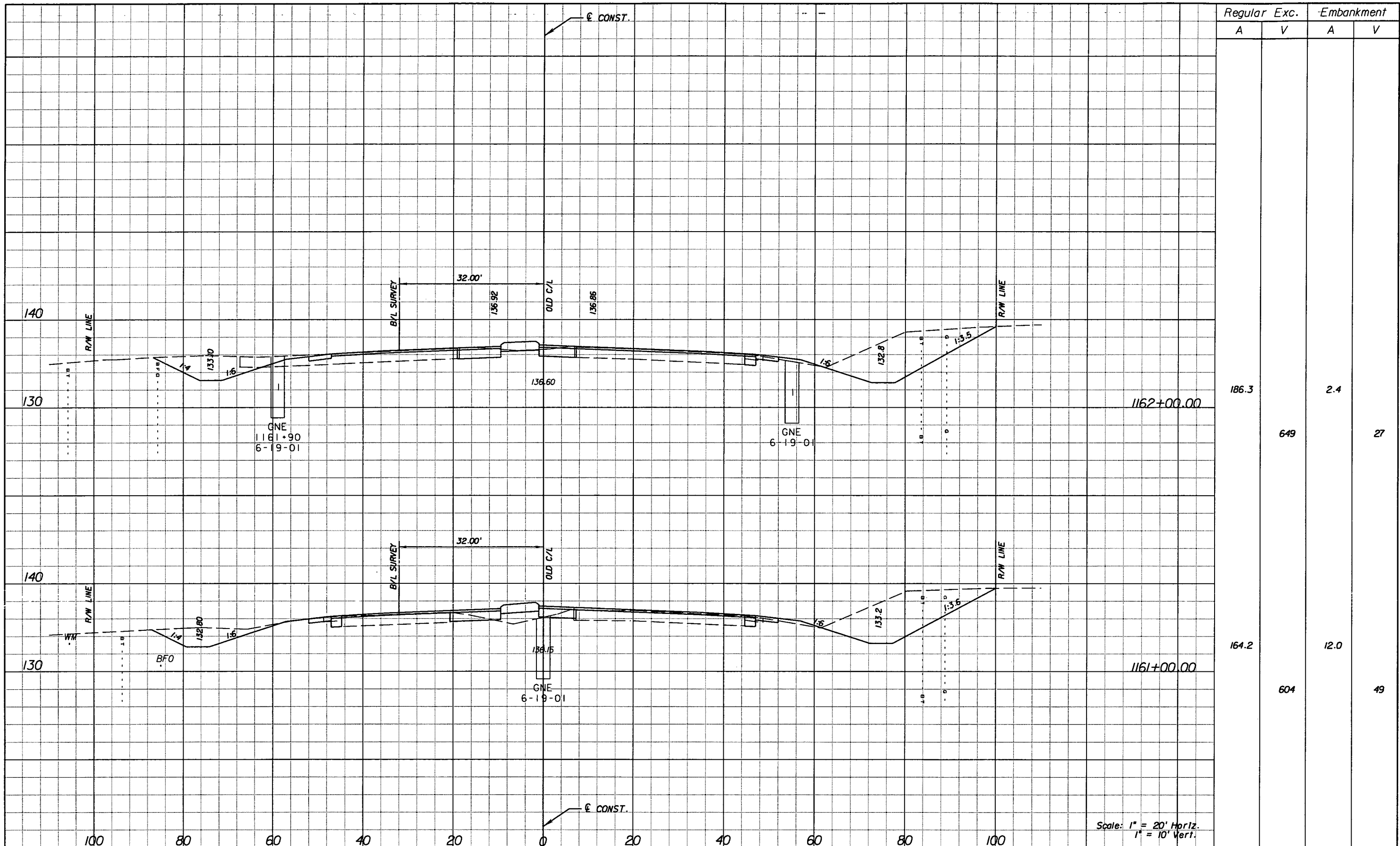
**STATE OF FLORIDA**  
**DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
188

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Regular		Exc.		Embankment	
A	V	A	V	A	V
186.3				2.4	
	649				27
164.2				12.0	
	604				49

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 7650 West Courtney  
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 Certificate of Authorization No. 00000002  
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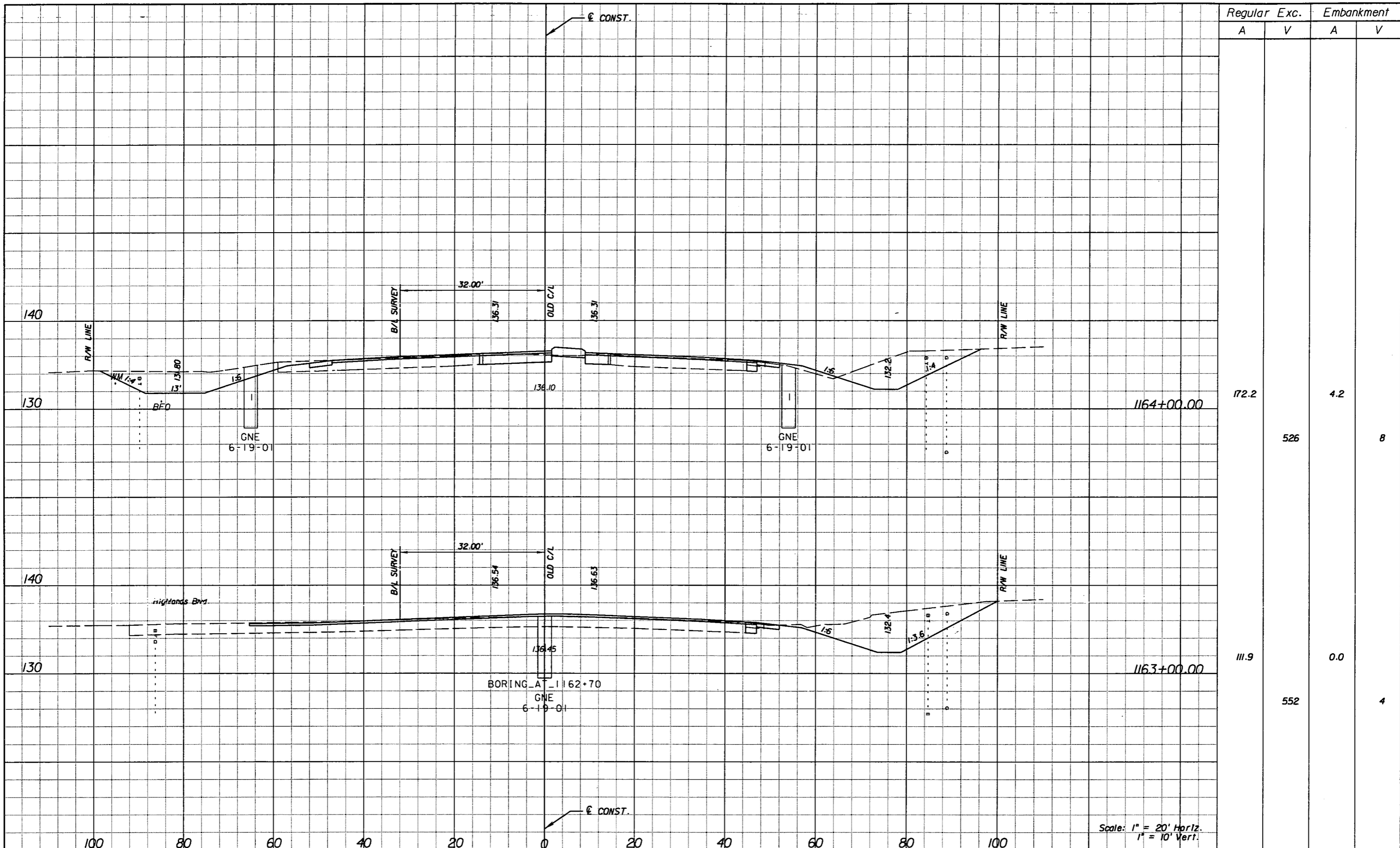
STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
189

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Regular		Exc.		Embankment	
A	V	A	V	A	V
172.2				4.2	
	526				8
111.9				0.0	
	552				4

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

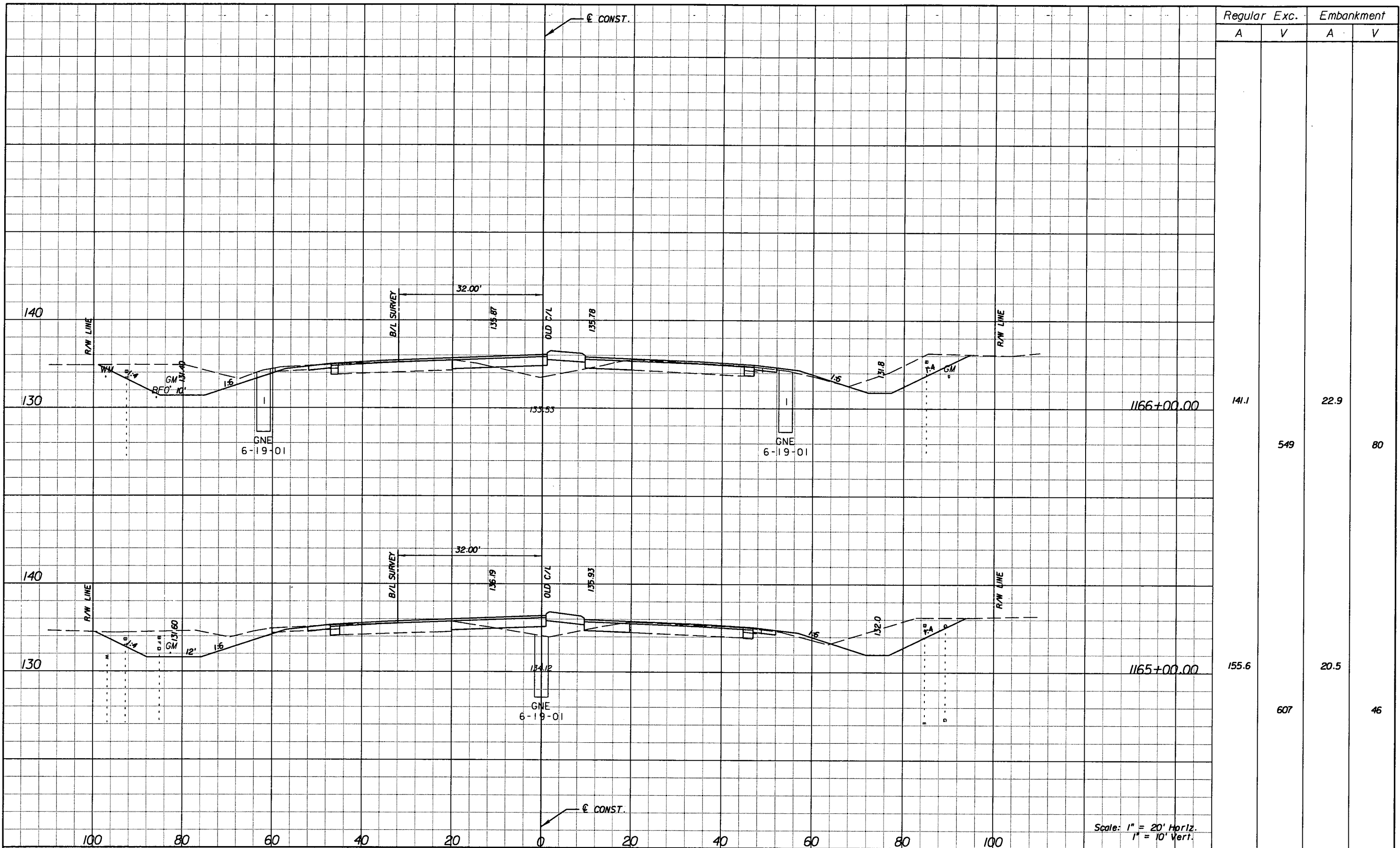
**URS**  
 URS Corporation Southern  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
190

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

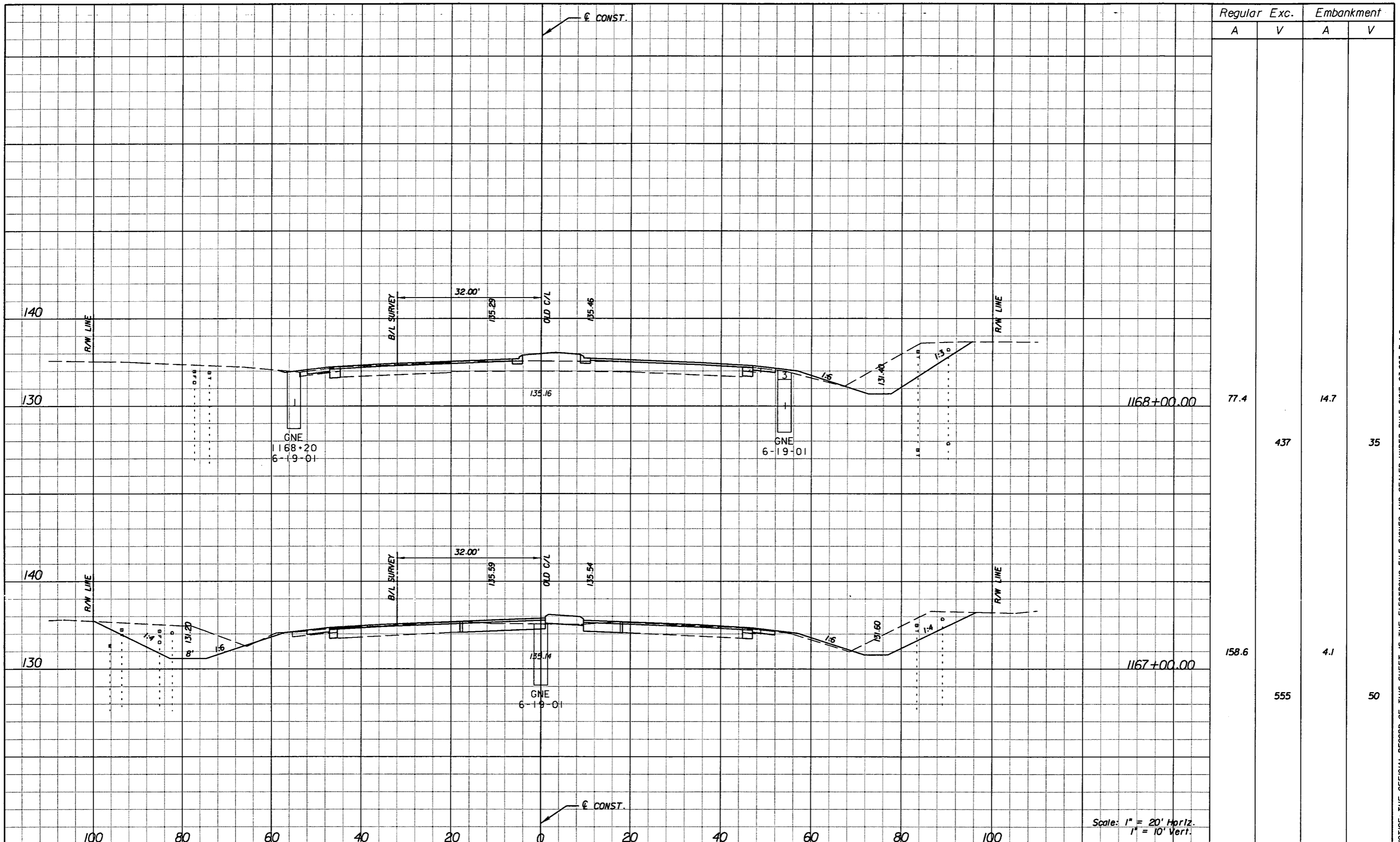
**URS**  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
191

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
1168+00.00	77.4				14.7	
			437			35
1167+00.00	158.6				4.1	
			555			50

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

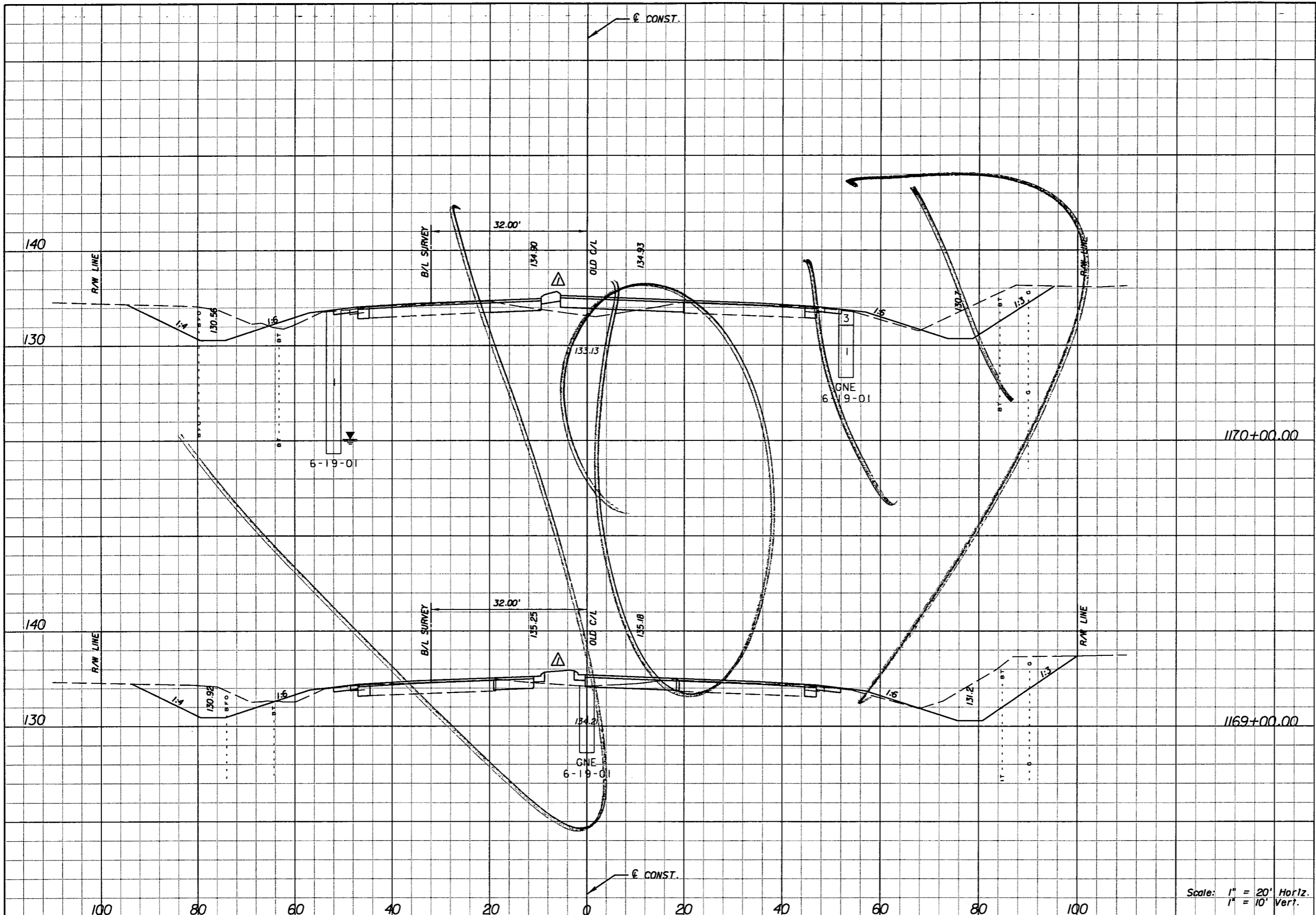
**URS**  
 URS Corporation Southern  
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 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
192

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Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
134.1					51.2	
1170+00.00		548				158
162.0					34.0	
1169+00.00		443				90

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY		DESCRIPTION	
5/11/11	JWB	Δ		REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.	

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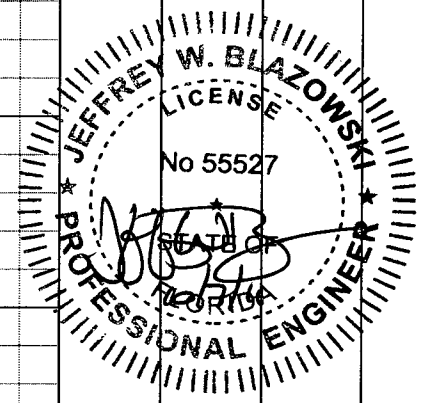
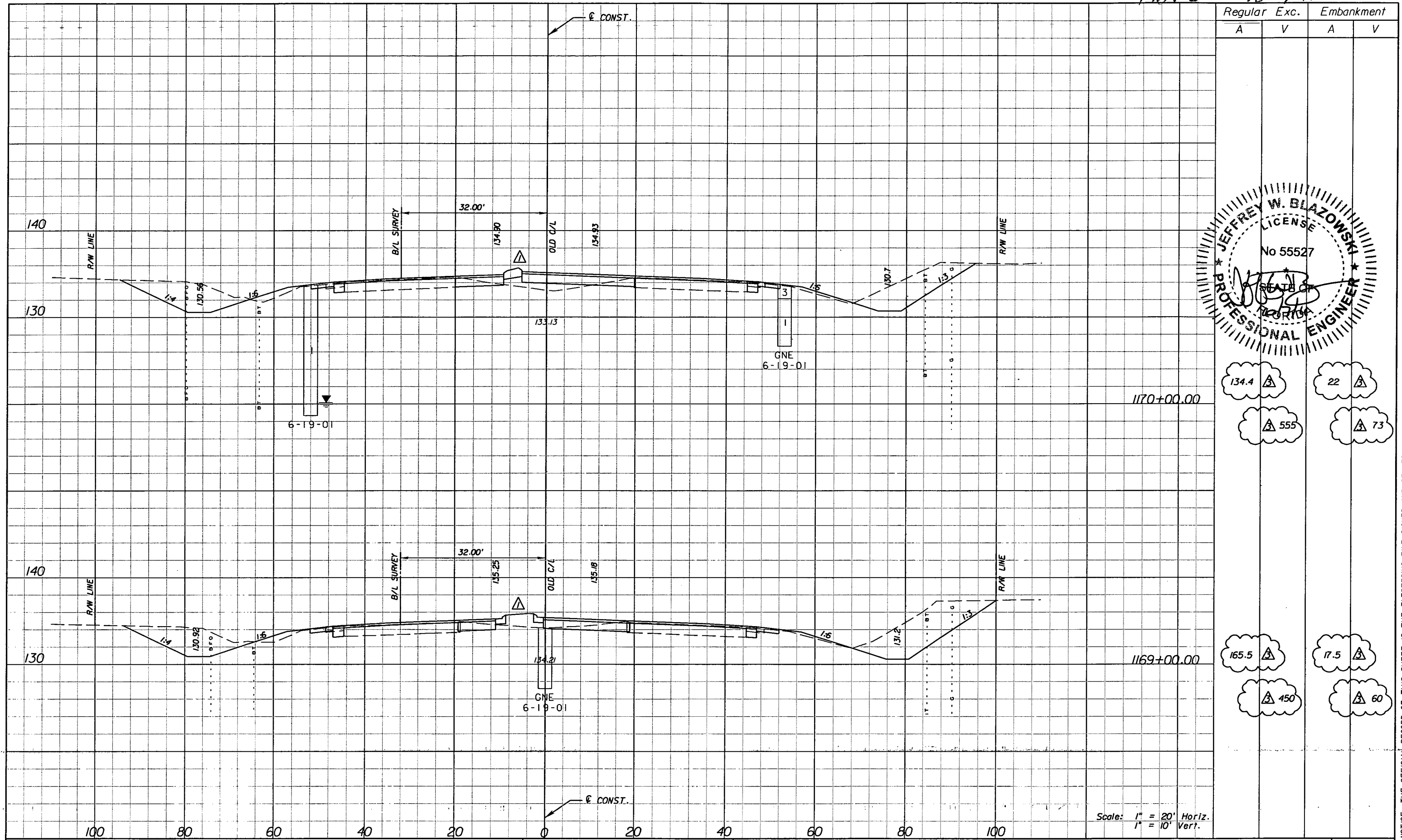
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
193

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Rev 3 10-7-11



Regular		Exc.		Embankment	
A	V	A	V	A	V
134.4	22	555	73	165.5	17.5
		450	60		

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS			
DATE	BY	DESCRIPTION	
5/11/11	JWB	REVISD CROSS SECTIONS DUE TO MEDIAN CHANGES.	
10/7/11	JWB	REVISD EARTHWORK.	

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

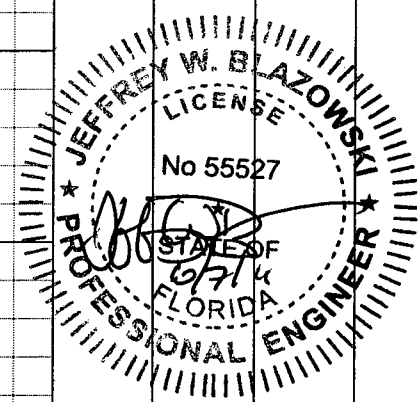
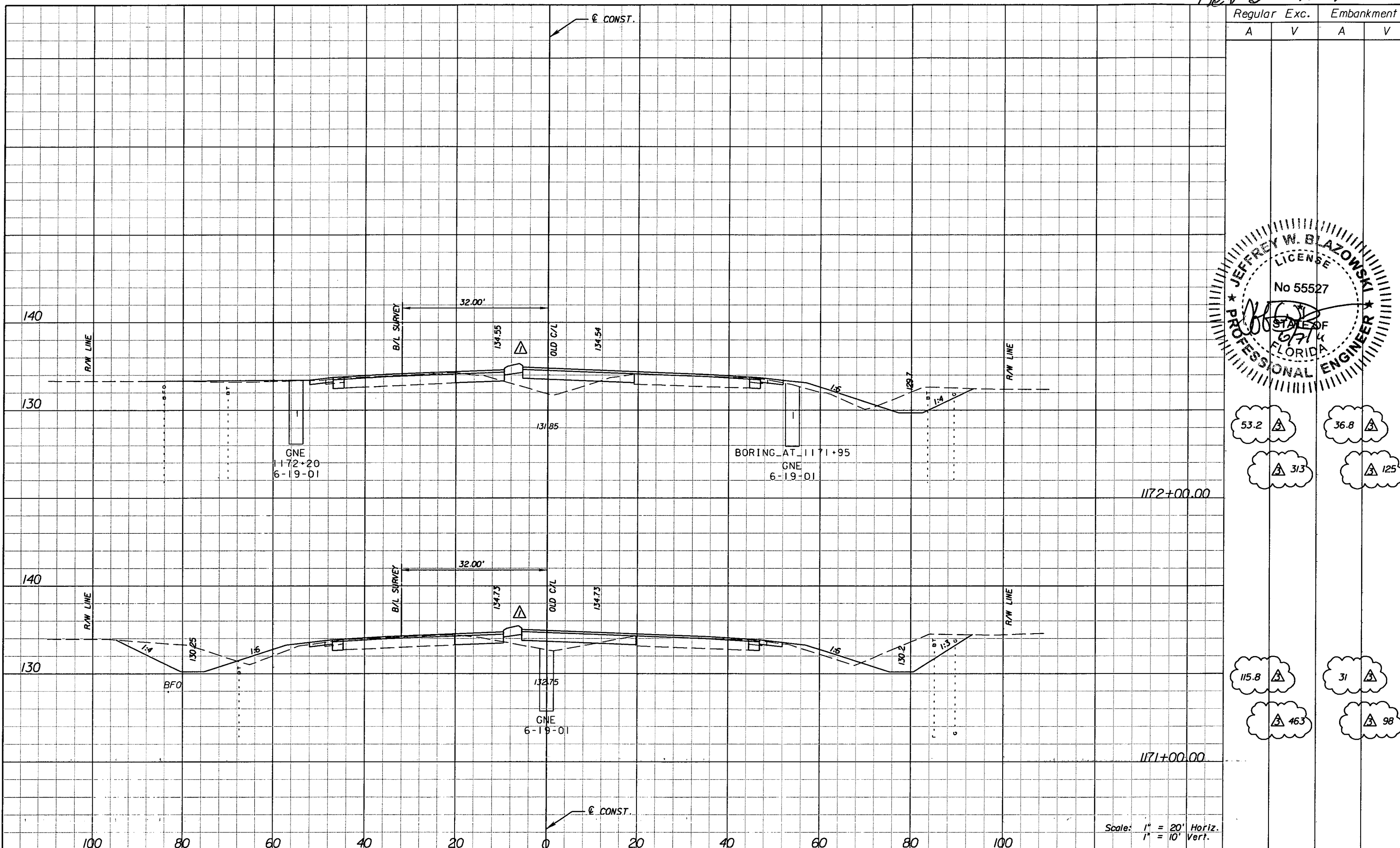
SHEET NO. 193

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Rev 3 10-7-11



Regular		Exc.		Embankment	
A	V	A	V	A	V
53.2	36.8				
313	125				
115.8	31				
463	98				

DATE		BY		DESCRIPTION	
5/11/11	JWB	△	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.		
10/7/11	JWB	△	REVISED EARTHWORK.		

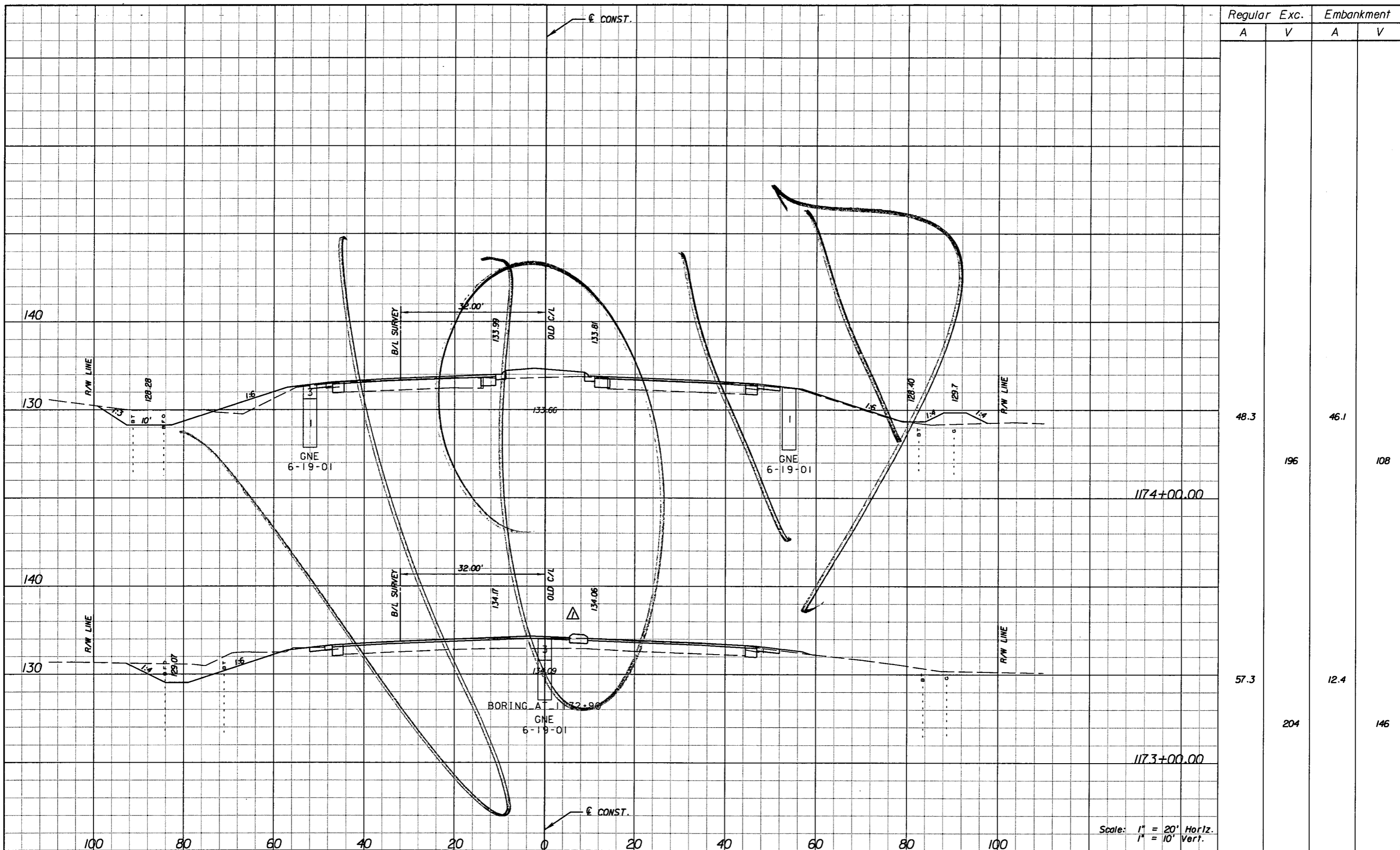
**URS**  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO. 194

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Regular		Exc.		Embankment	
A	V	A	V	A	V
48.3			196	46.1	108
1174+00.00					
57.3			204	12.4	146
1173+00.00					

DATE		BY		DESCRIPTION	
5/11/11	JWB	Δ	REVISED CROSS SECTIONS DUE TO MEDIAN CHANGES.		

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 7650 West Courtney  
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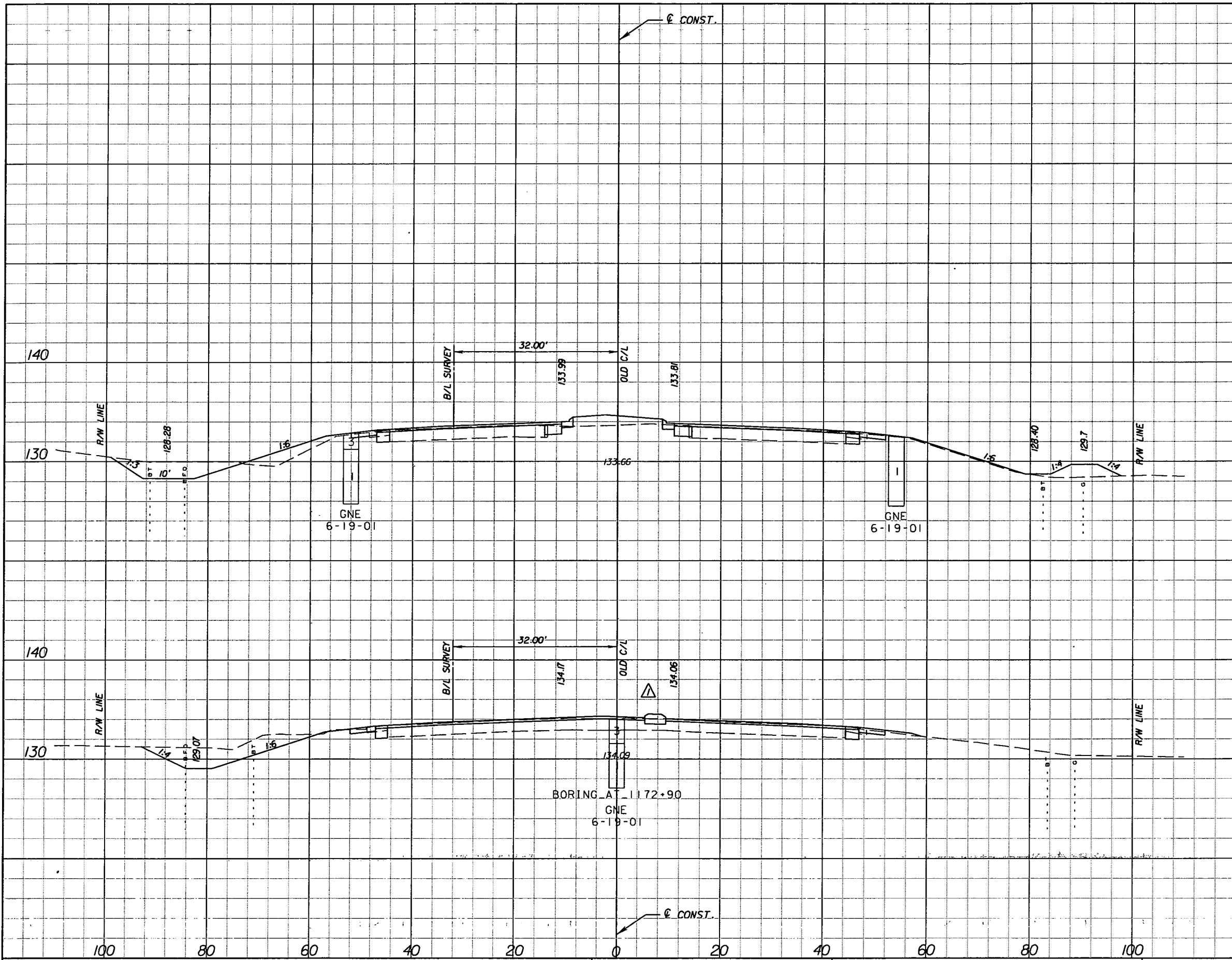
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

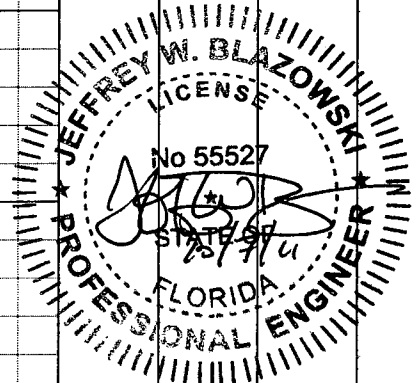
SHEET NO.
195

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Rev 3 10-7-11



Regular Exc.		Embankment	
A	V	A	V



48.3	46.1
195	88

57	1.3	204	70
----	-----	-----	----

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DATE		BY	DESCRIPTION	DATE		BY	DESCRIPTION
5/11/11		JWB	REVISD CROSS SECTIONS DUE TO MEDIAN CHANGES.				
10/7/11		JWB	REVISD EARTHWORK.				

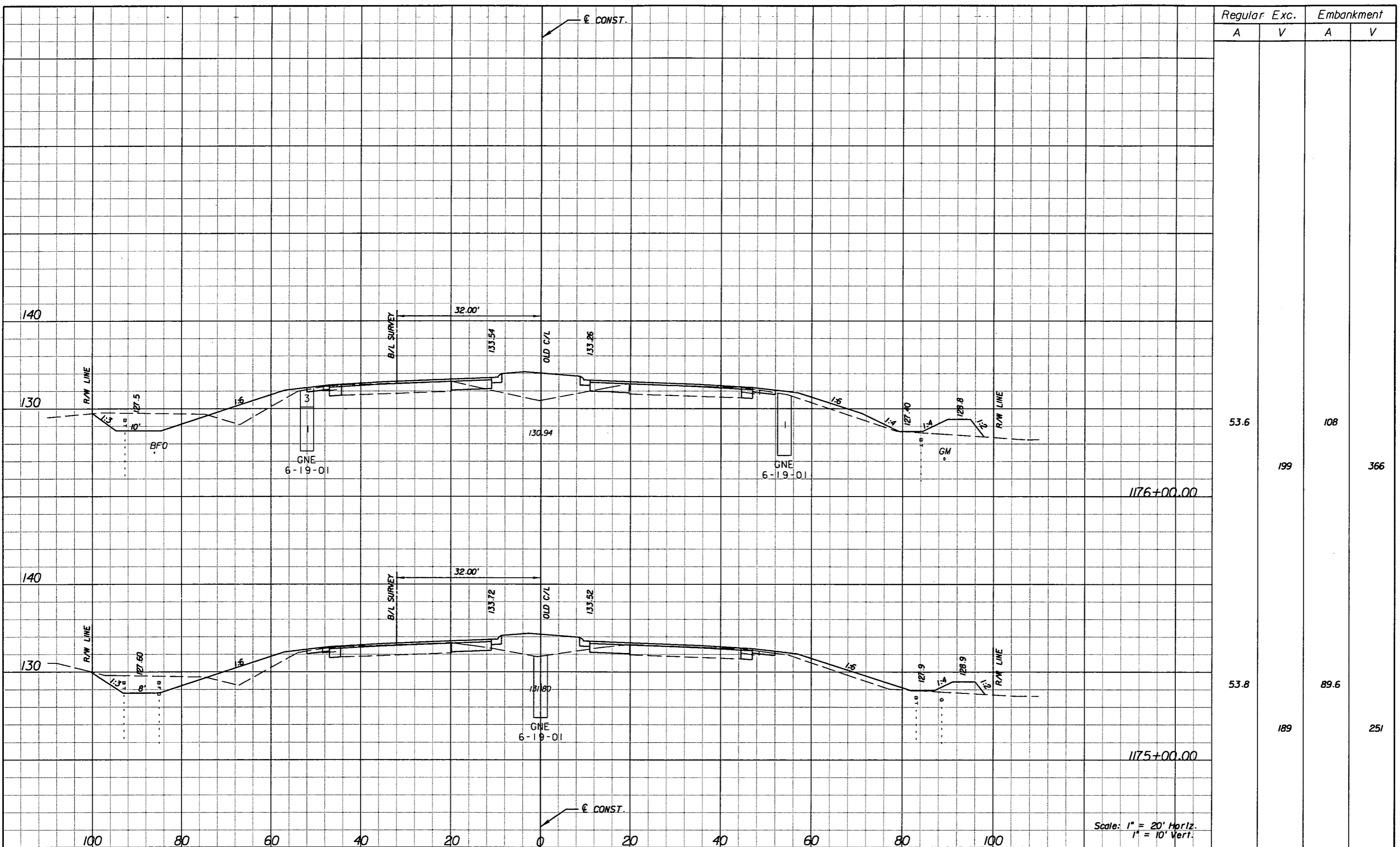
**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
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Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO. 195

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Regular		Exc.		Embankment	
A	V	A	V	A	V
53.6	199	108	366		
53.8	189	89.6	251		

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 7650 West Courtney  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

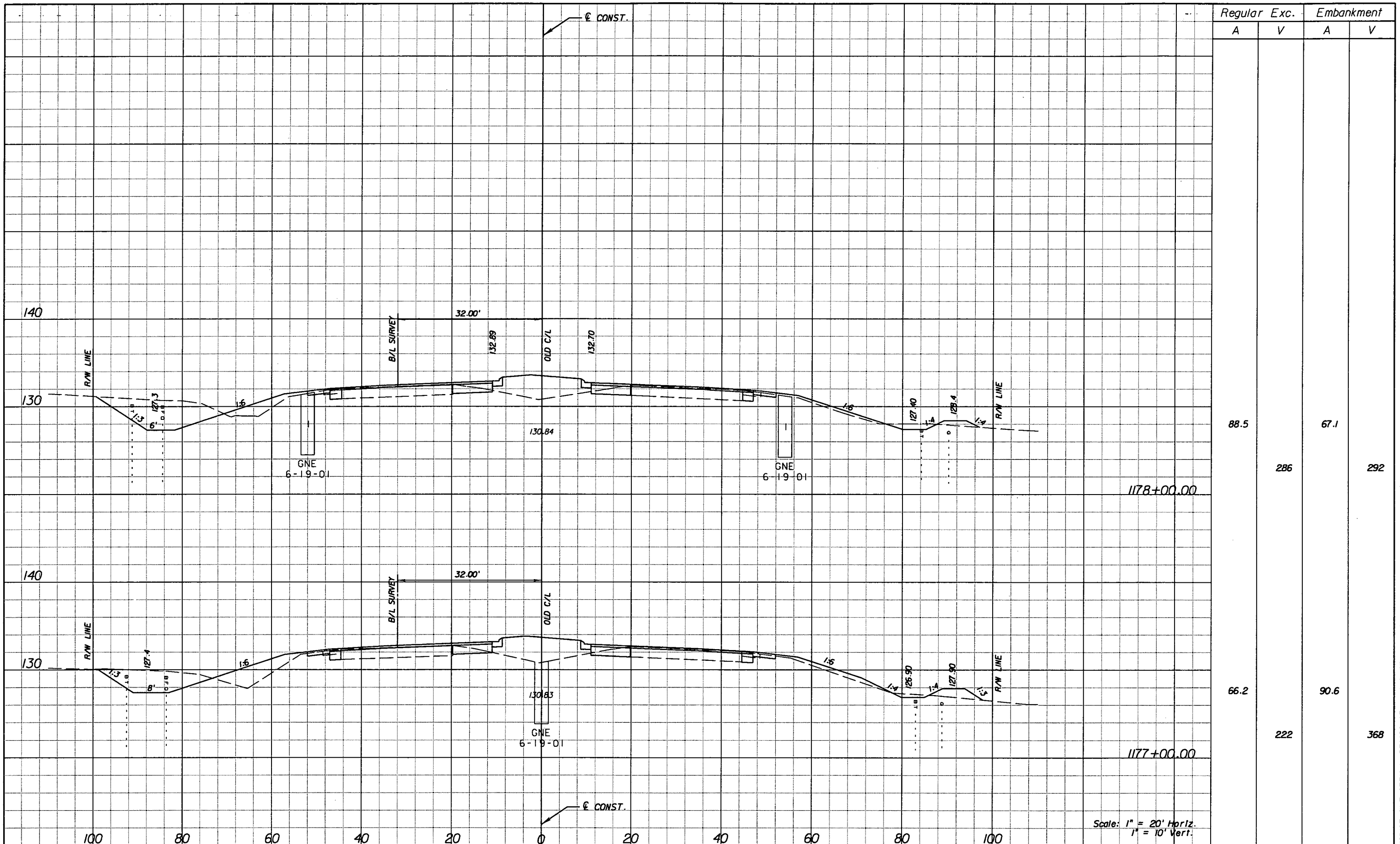
**STATE OF FLORIDA**  
**DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
196

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



Regular Exc.		Embankment	
A	V	A	V
88.5	286	67.1	292
66.2	222	90.6	368

REVISIONS			
DATE	BY	DESCRIPTION	

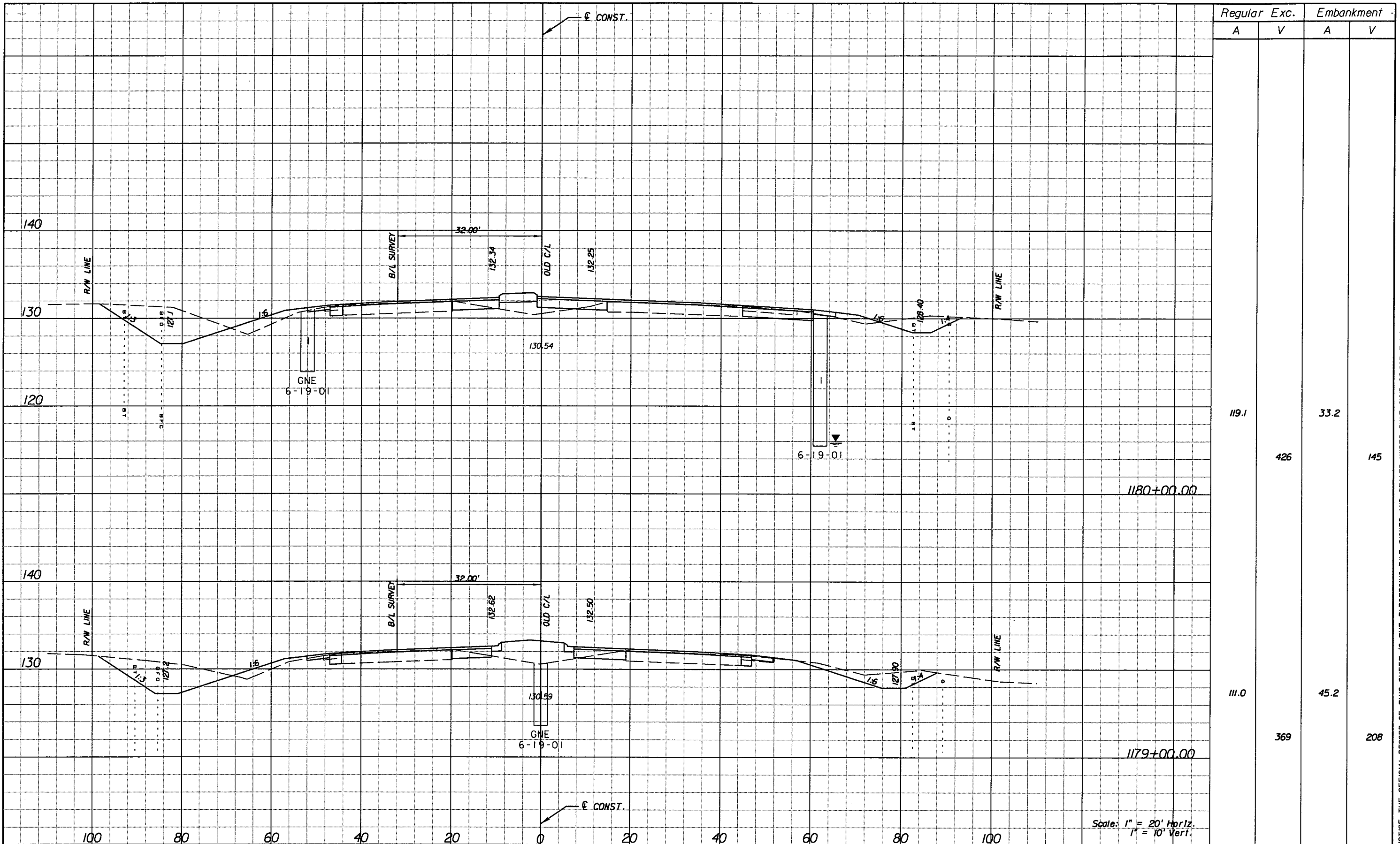
**URS**  
 URS Corporation Southern  
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 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.
197

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Scale: 1" = 20' Horiz.  
1" = 10' Vert.

Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
1180+00.00	119.1		426		33.2	145
1179+00.00	111.0		369		45.2	208

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
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 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

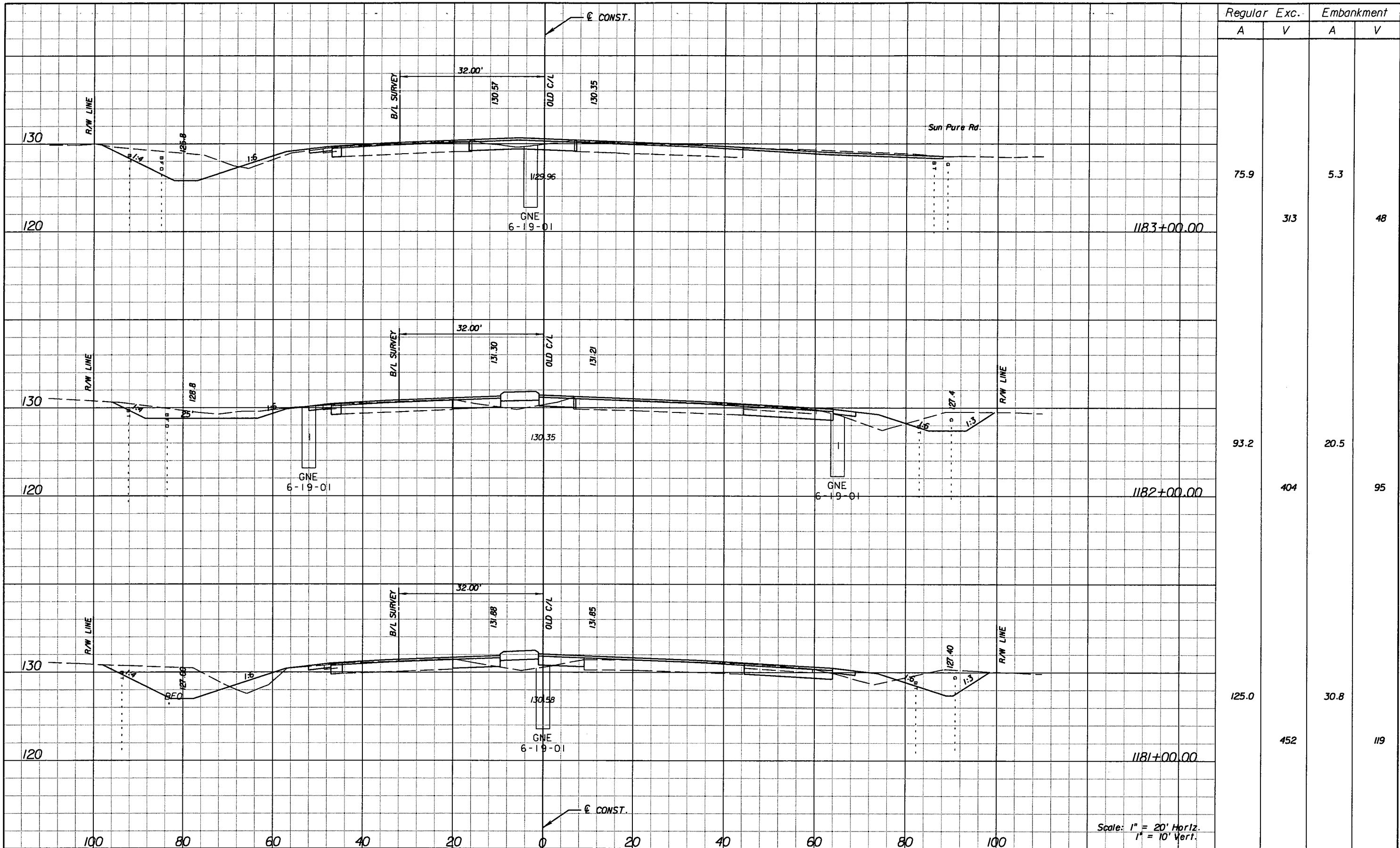
**STATE OF FLORIDA**  
**DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
198

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.



Regular		Exc.		Embankment	
A	V	A	V	A	V
75.9				5.3	
	313				48
93.2				20.5	
	404				95
125.0				30.8	
	452				119

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
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 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

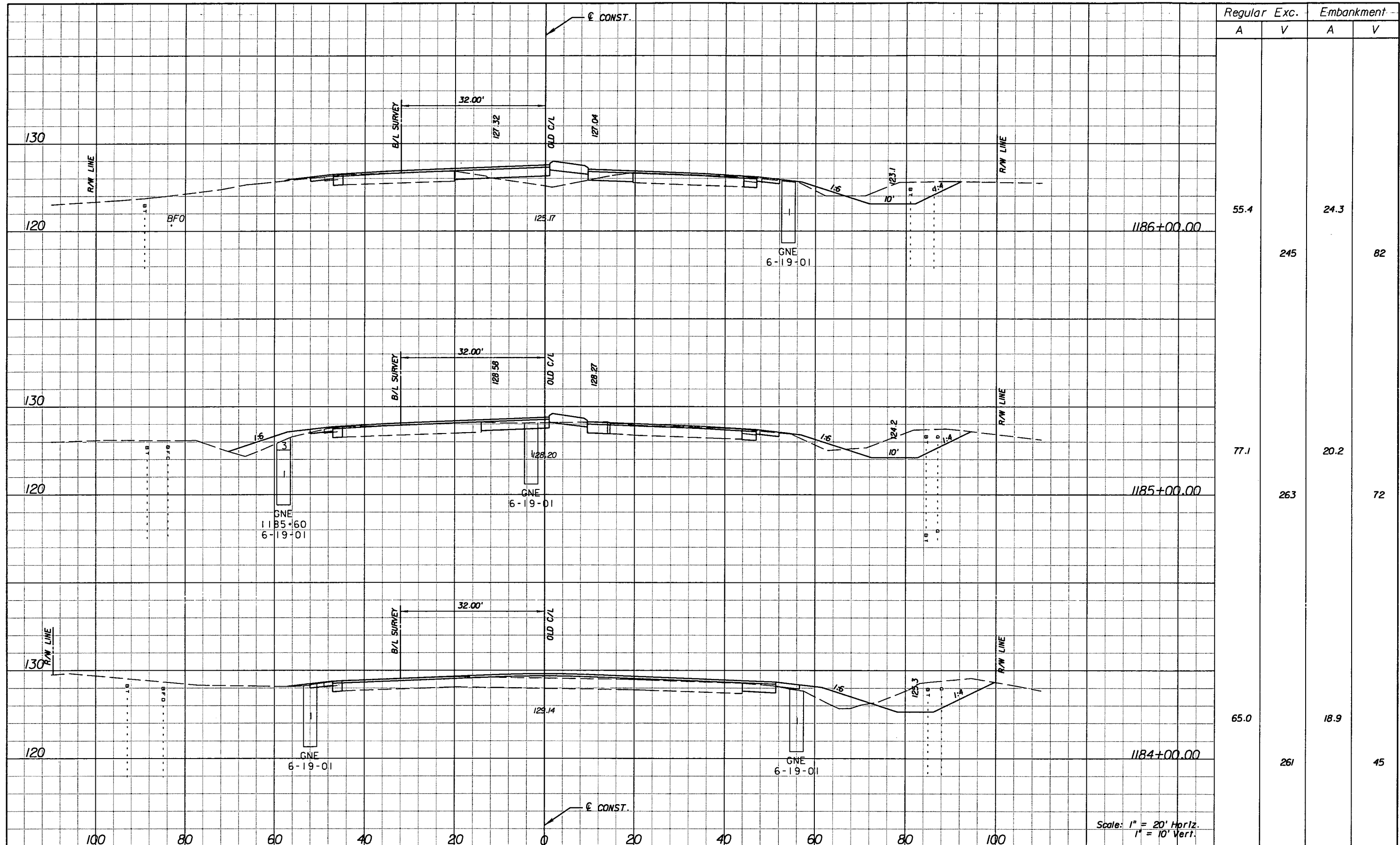
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
199

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Regular		Exc.		Embankment	
A	V	A	V	A	V
55.4			245	24.3	82
77.1			263	20.2	72
65.0			261	18.9	45

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

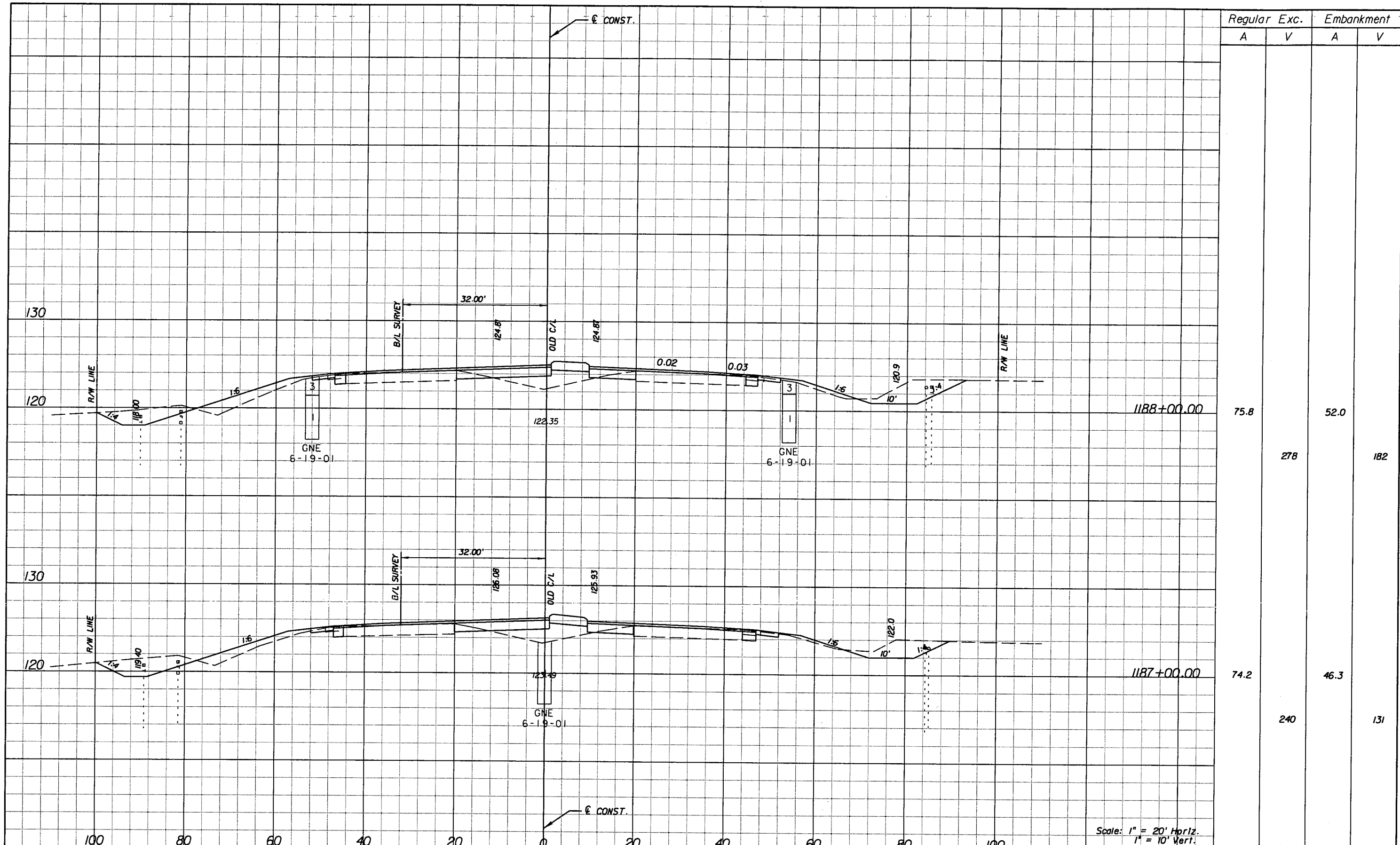
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
200

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



Regular		Exc.		Embankment	
A	V	A	V	A	V
75.8			278	52.0	182
74.2			240	46.3	131

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

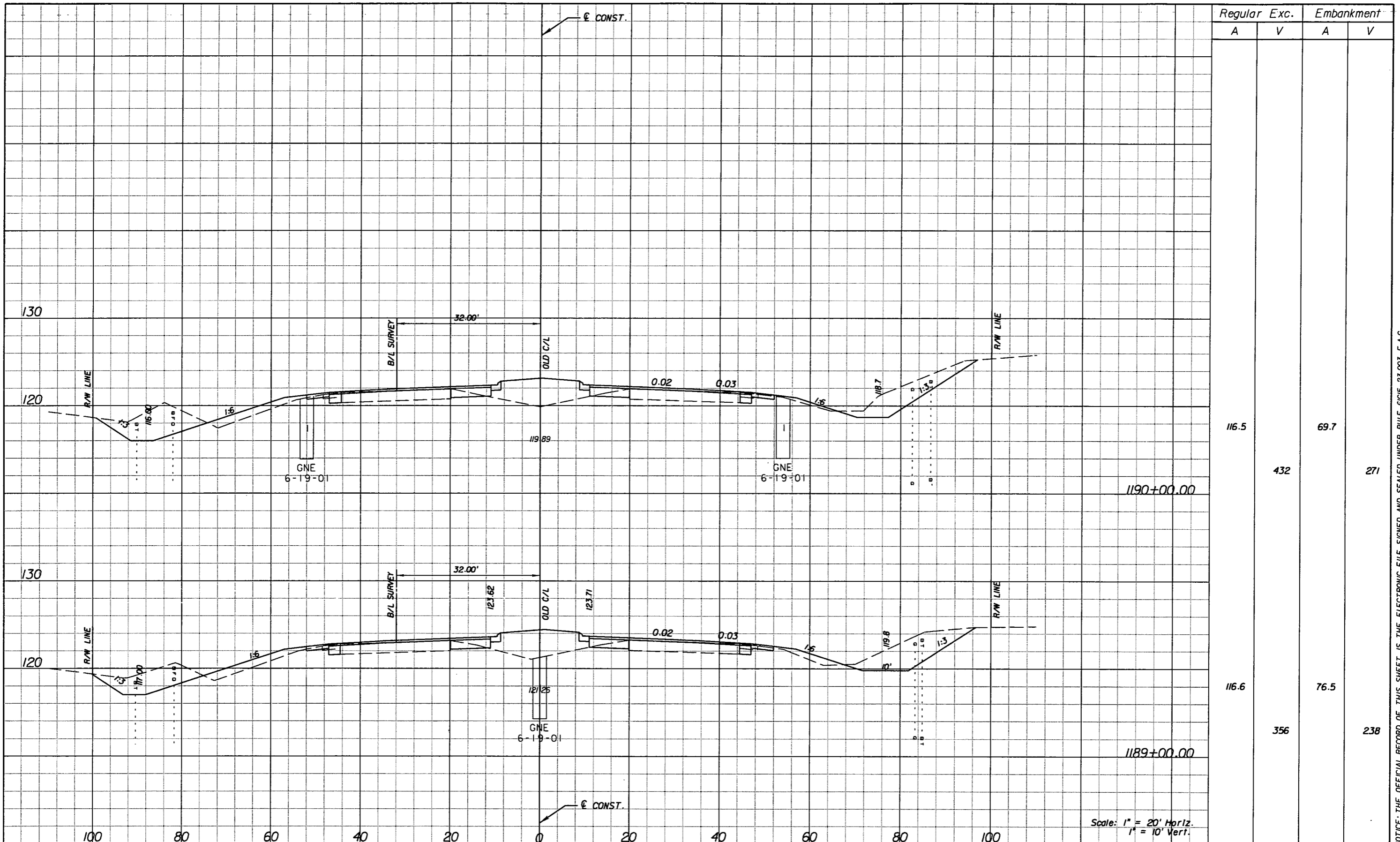
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
201

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



Regular		Exc.		Embankment	
A	V	A	V	A	V
116.5	432	69.7	271		
116.6	356	76.5	238		

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

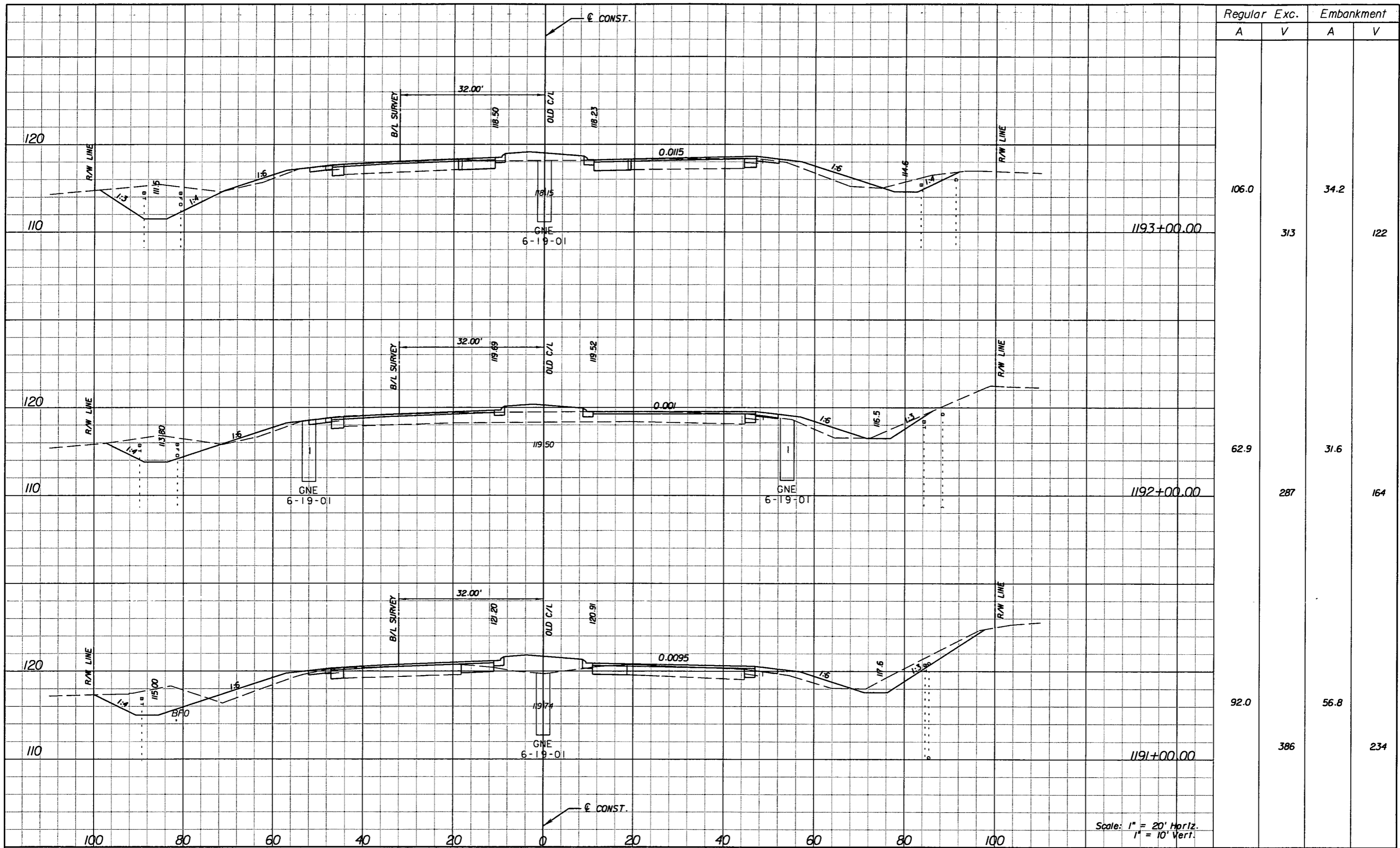
**URS**  
 URS Corporation Southern  
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 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
202

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



Station	Regular Exc.		Embankment	
	A	V	A	V
1193+00.00	106.0	313	34.2	122
1192+00.00	62.9	287	31.6	164
1191+00.00	92.0	386	56.8	234

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

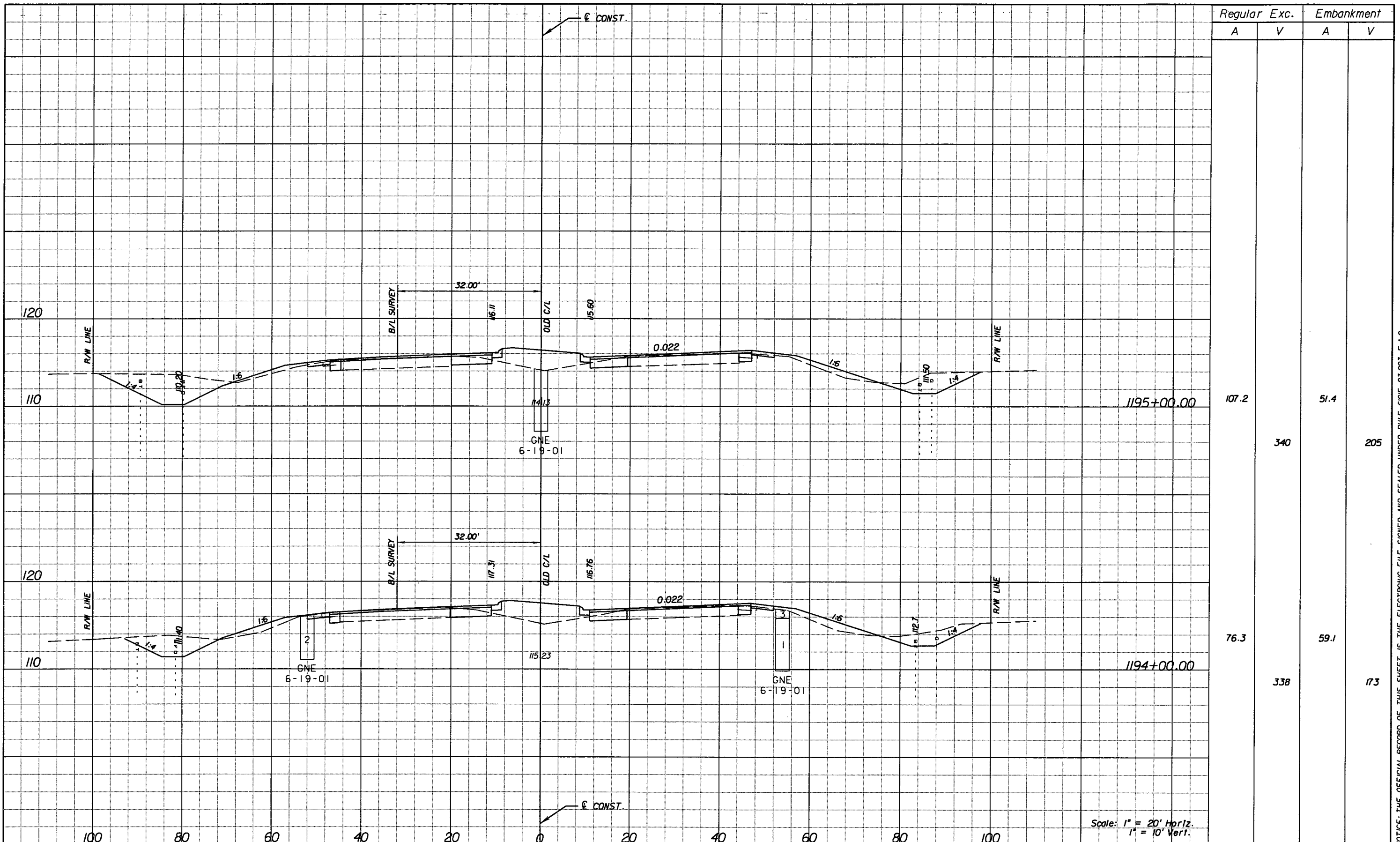
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
203

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



Regular		Exc.		Embankment	
A	V	A	V	A	V
107.2				51.4	
	340				205
76.3				59.1	
	338				173

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

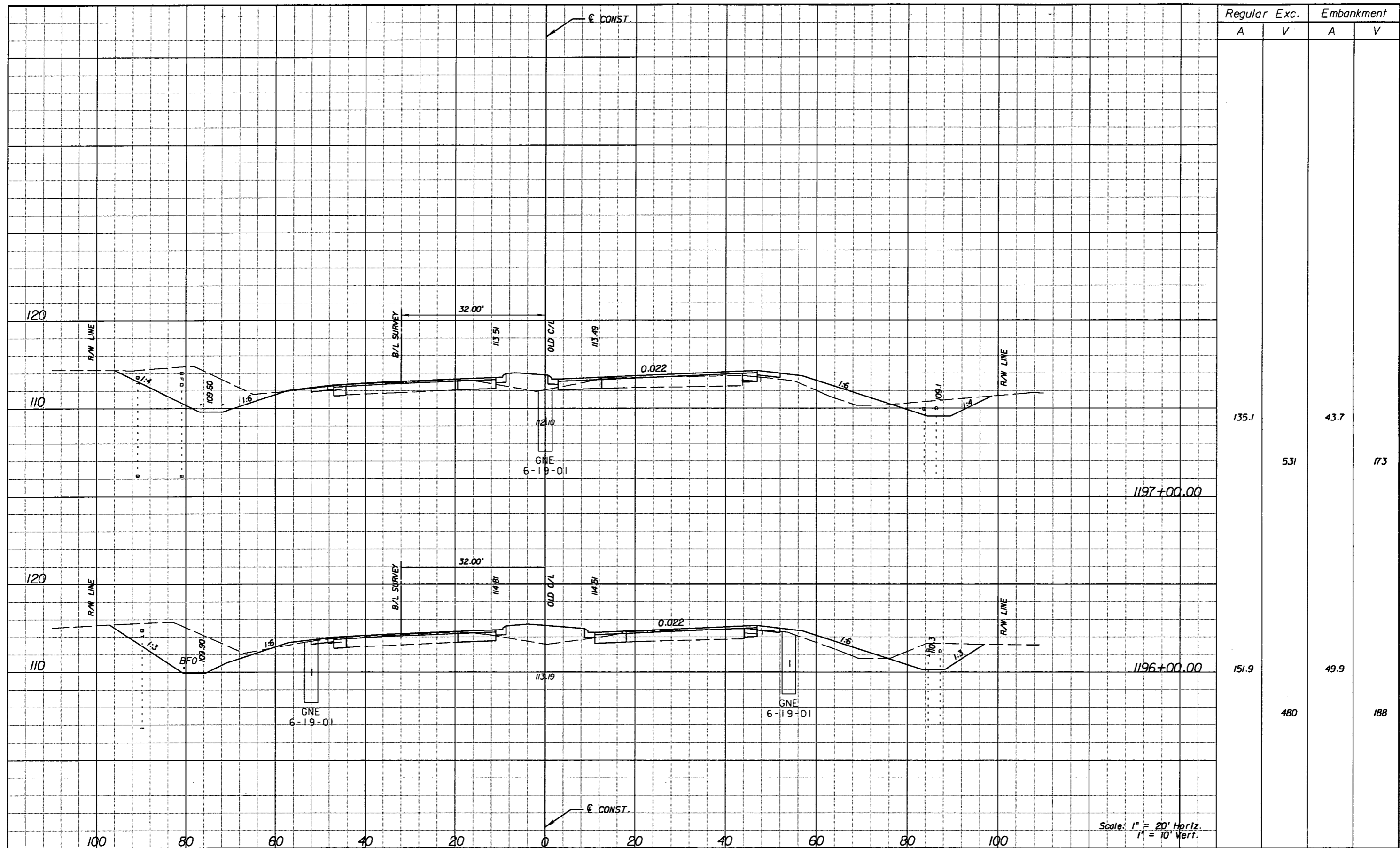
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
204

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



Regular		Exc.		Embankment	
A	V	A	V	A	V
135.1				43.7	
	531				173
151.9				49.9	
	480				188

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

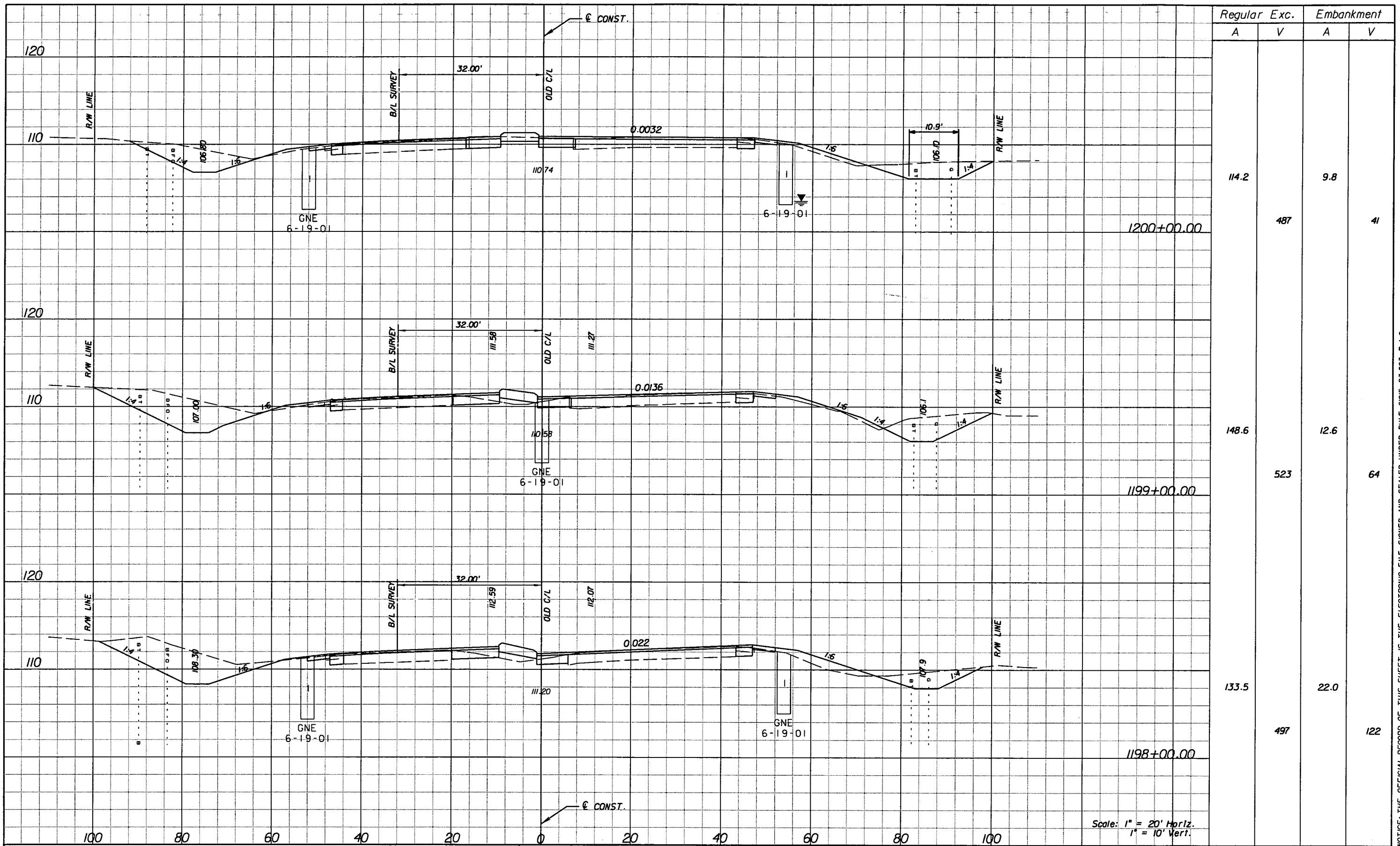
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
205

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
1200+00.00	114.2	487	9.8	41		
1199+00.00	148.6	523	12.6	64		
1198+00.00	133.5	497	22.0	122		

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

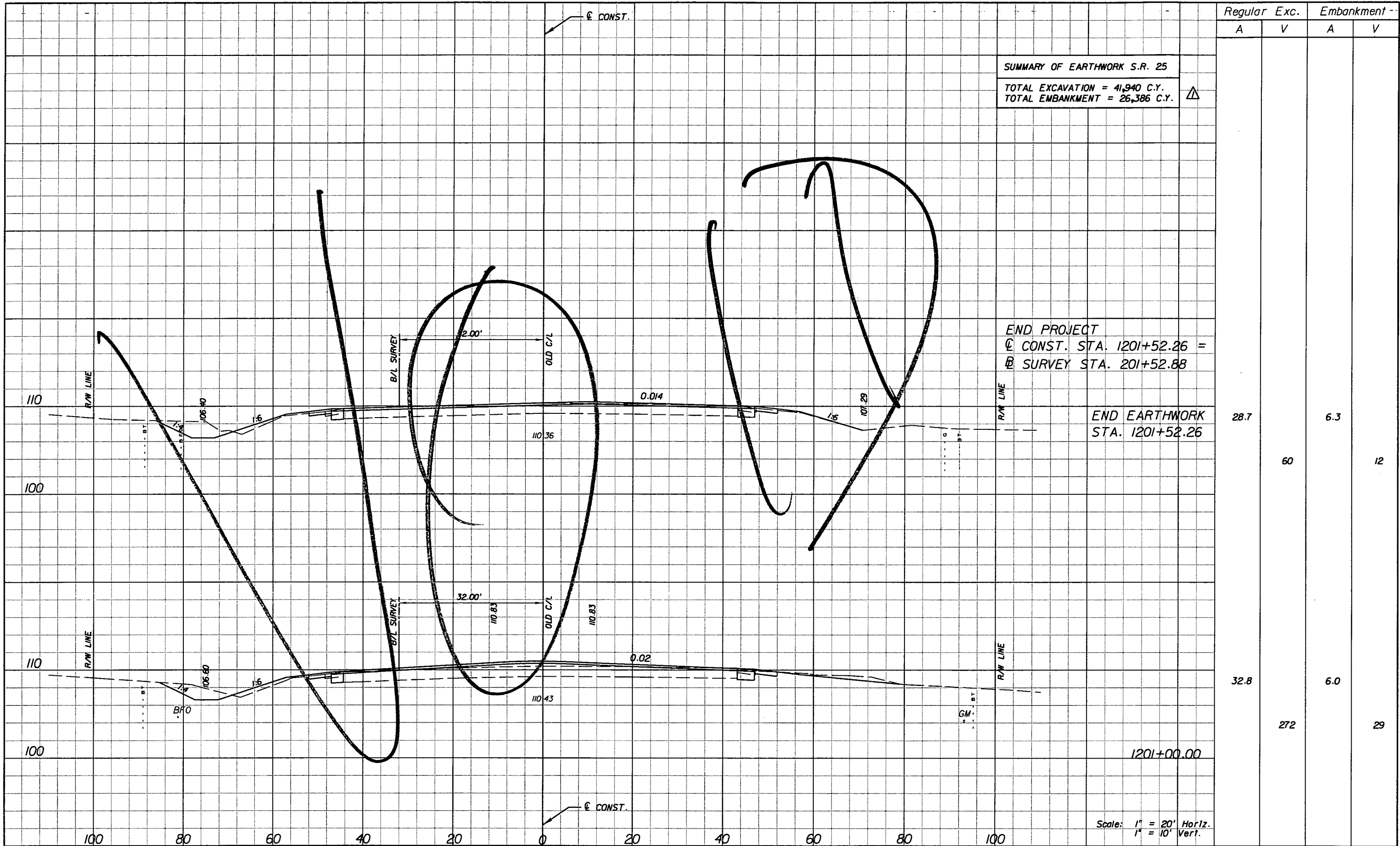
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
206

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



SUMMARY OF EARTHWORK S.R. 25  
 TOTAL EXCAVATION = 41,940 C.Y.  
 TOTAL EMBANKMENT = 26,386 C.Y.

END PROJECT  
 C CONST. STA. 1201+52.26 =  
 B SURVEY STA. 201+52.88

END EARTHWORK  
 STA. 1201+52.26

Scale: 1" = 20' Horiz.  
 1" = 10' Vert.

Regular	Exc.	Embankment	
		A	V
28.7	60	6.3	12
32.8	272	6.0	29

REVISIONS			
DATE	BY	DESCRIPTION	
5/11/11	JWB	REVISD SUMMARY OF EARTHWORK.	

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

CROSS SECTIONS

SHEET NO.  
 207

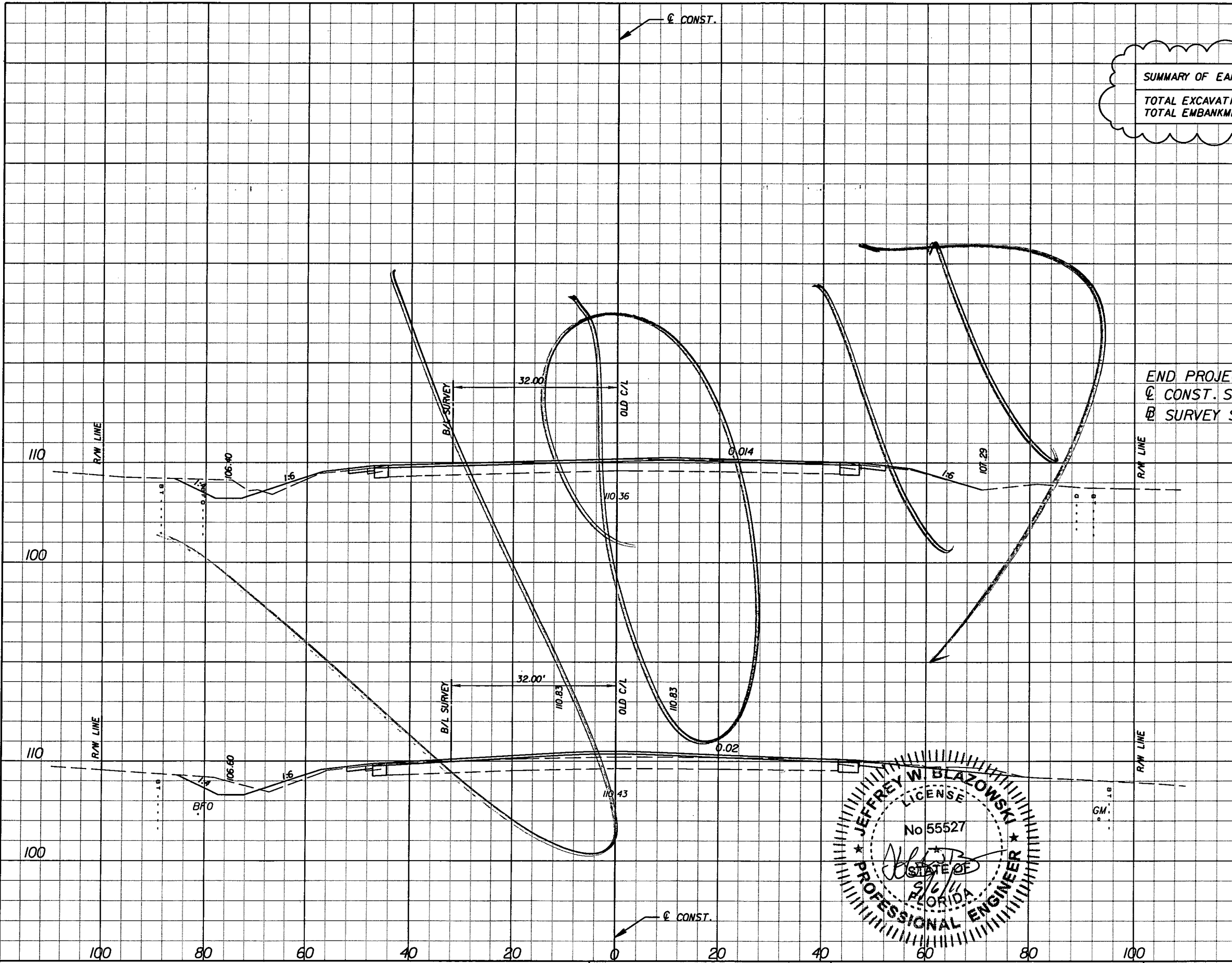
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



Rev2 9-6-11

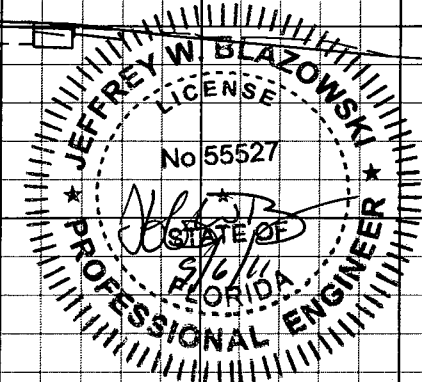
Regular Exc.		Embankment	
A	V	A	V
28.7		6.3	
	60		12
32.8		6.0	
	272		29

SUMMARY OF EARTHWORK S.R. 25  
 TOTAL EXCAVATION = 42,242 C.Y.  
 TOTAL EMBANKMENT = 24,378 C.Y.



END PROJECT  
 E CONST. STA. 1201+52.26 =  
 B/L SURVEY STA. 201+52.88

END EARTHWORK  
 STA. 1201+52.26



Scale: 1" = 20' Horiz.  
 1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISED SUMMARY OF EARTHWORK.			
9/6/11	JWB	REVISED SUMMARY OF EARTHWORK.			

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

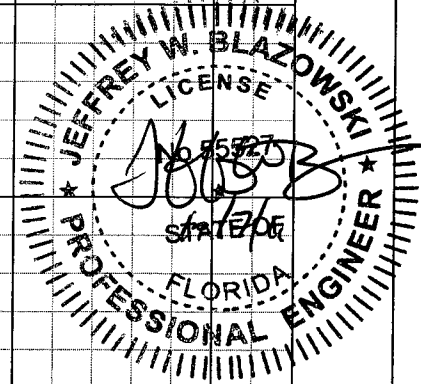
**CROSS SECTIONS**

SHEET NO.  
207

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 665-23.003, F.A.C.

Rev 3 10-7-11

SUMMARY OF EARTHWORK S.R. 25  
 TOTAL EXCAVATION = 42,85 C.Y.  
 TOTAL EMBANKMENT = 24,520 C.Y.



END PROJECT  
 C CONST. STA. 1201+52.26 =  
 B SURVEY STA. 201+52.88

END EARTHWORK  
 STA. 1201+52.26

Regular	Exc.	Embankment	
		A	V
28.7		6.3	
	60		12
32.8		6.0	
	272		29

Scale: 1" = 20' Horiz.  
 1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	REVISD SUMMARY OF EARTHWORK.			
9/6/11	JWB	REVISD SUMMARY OF EARTHWORK.			
10/7/11	JWB	REVISD SUMMARY OF EARTHWORK.			

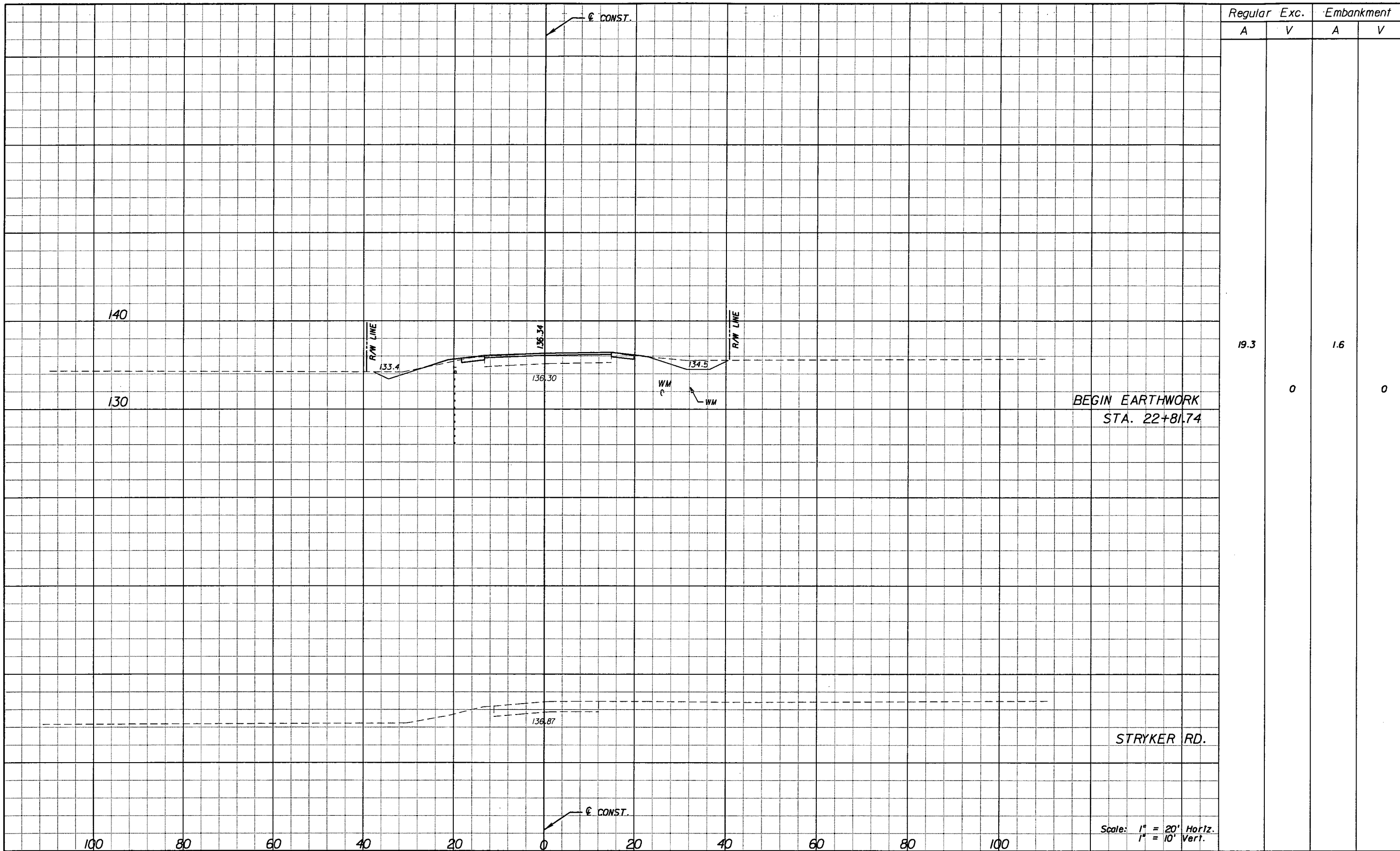
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55523

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS**

SHEET NO.  
207

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



Regular Exc.		Embankment	
A	V	A	V
19.3	0	1.6	0

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

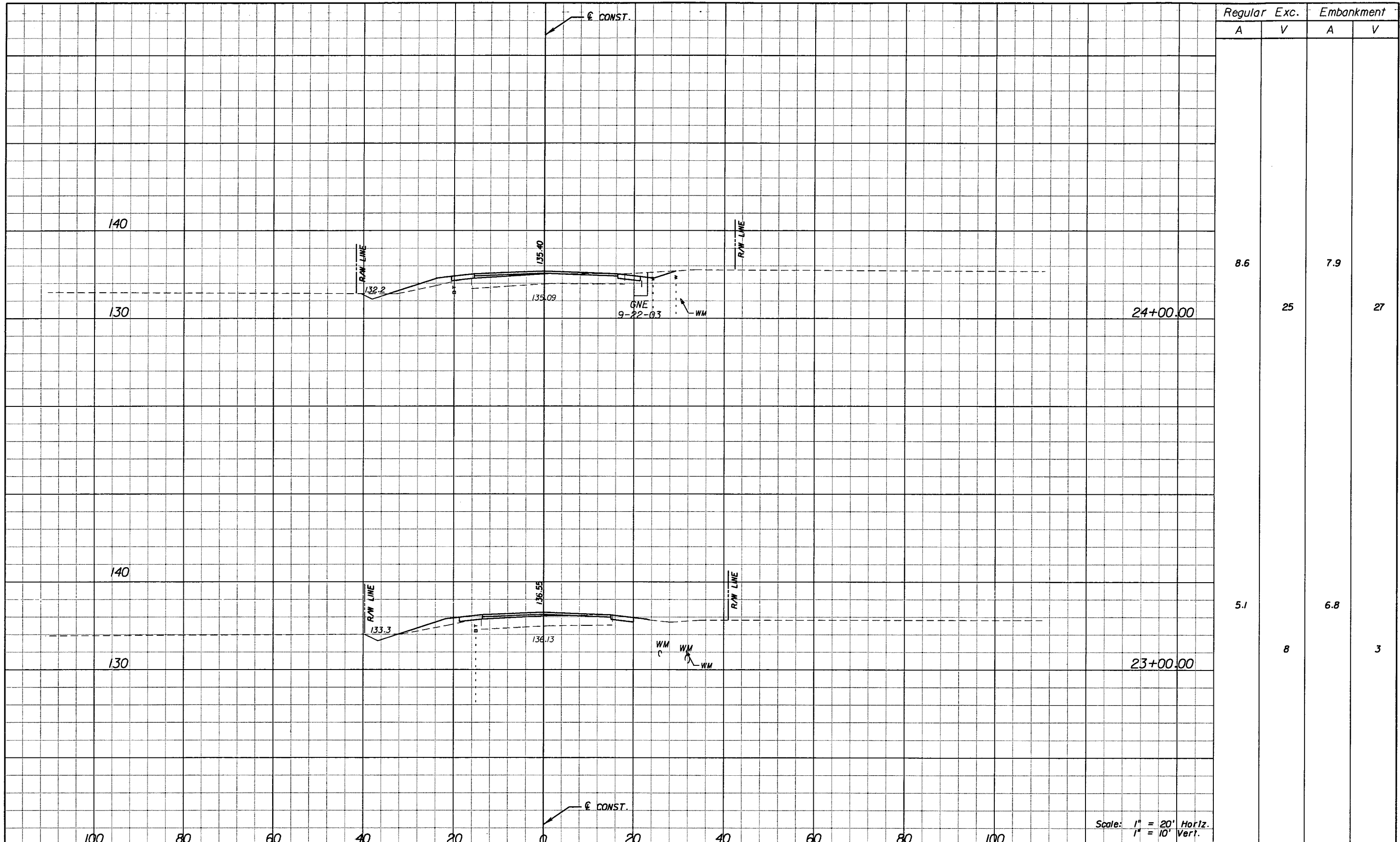
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Jeffery W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS STRYKER RD.**

SHEET NO.  
208

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



Regular		Exc.		Embankment	
A	V	A	V	A	V
8.6				7.9	
	25				27
5.1				6.8	
	8				3

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

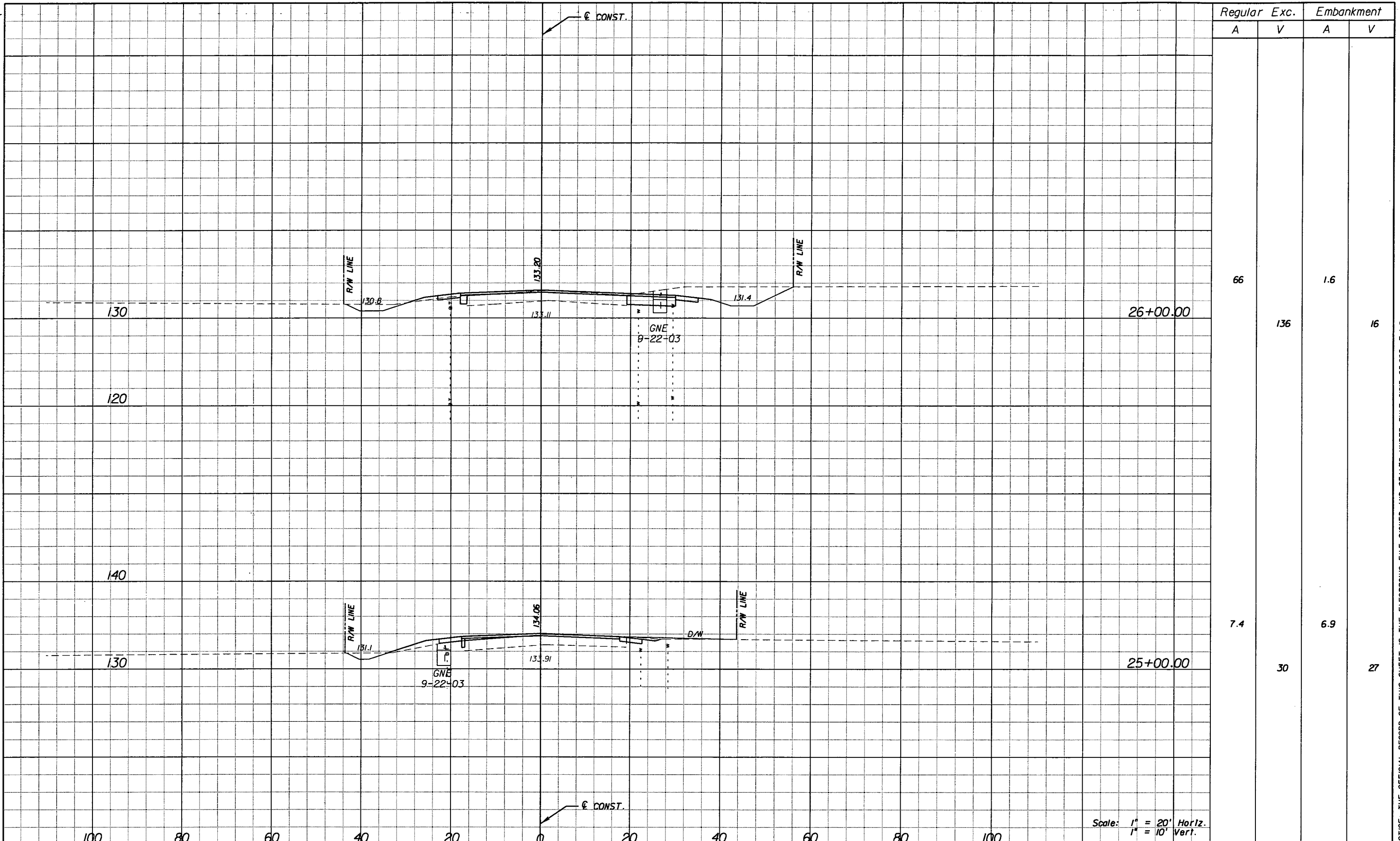
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Jeffery W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS STRYKER RD.**

SHEET NO.  
209

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

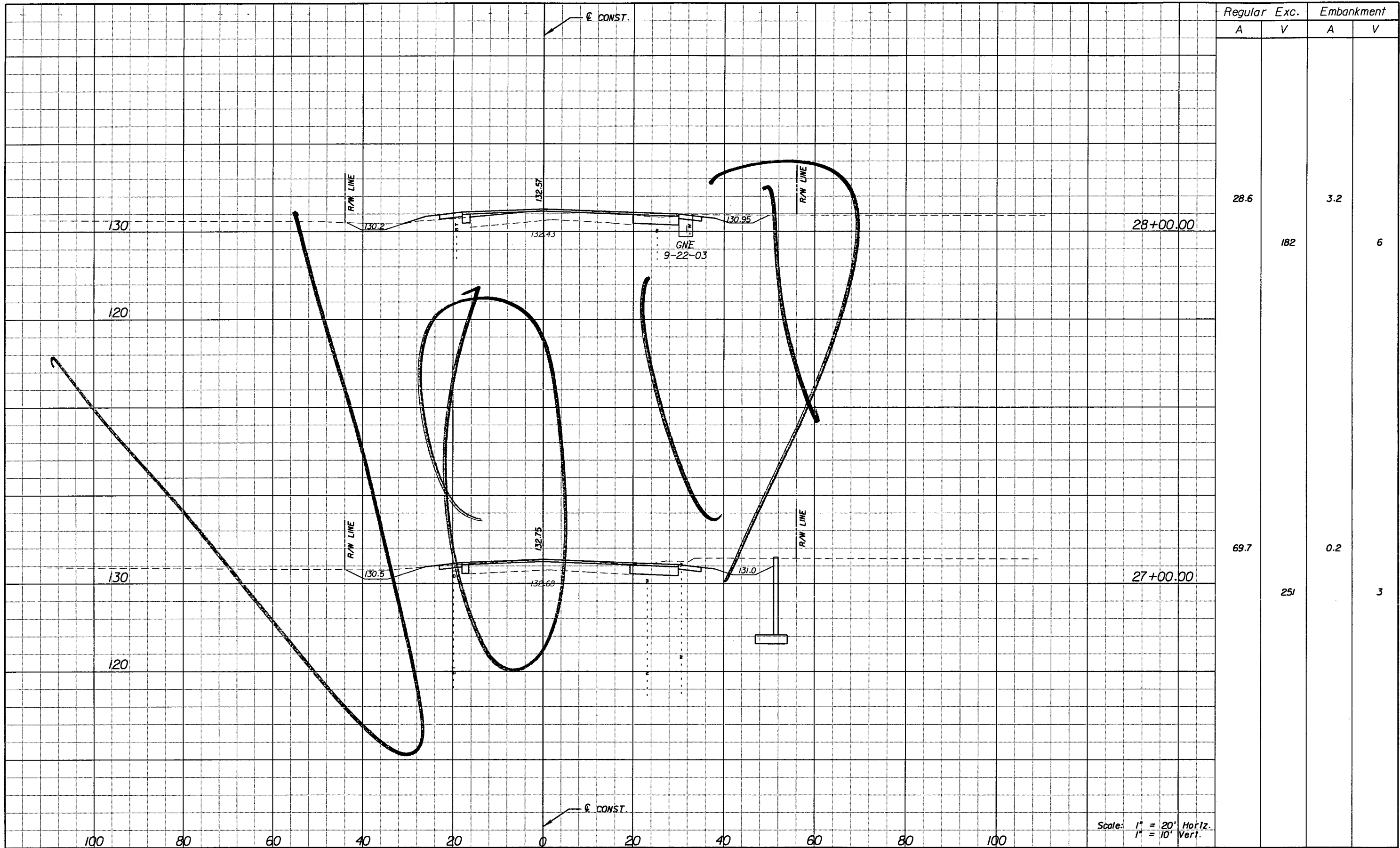
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Jeffery W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS STRYKER RD.**

SHEET NO.  
210

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.



Regular Exc.		Embankment	
A	V	A	V
28.6	182	3.2	6
69.7	251	0.2	3

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Jeffery W. Blazowski, P.E. No. 55527

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

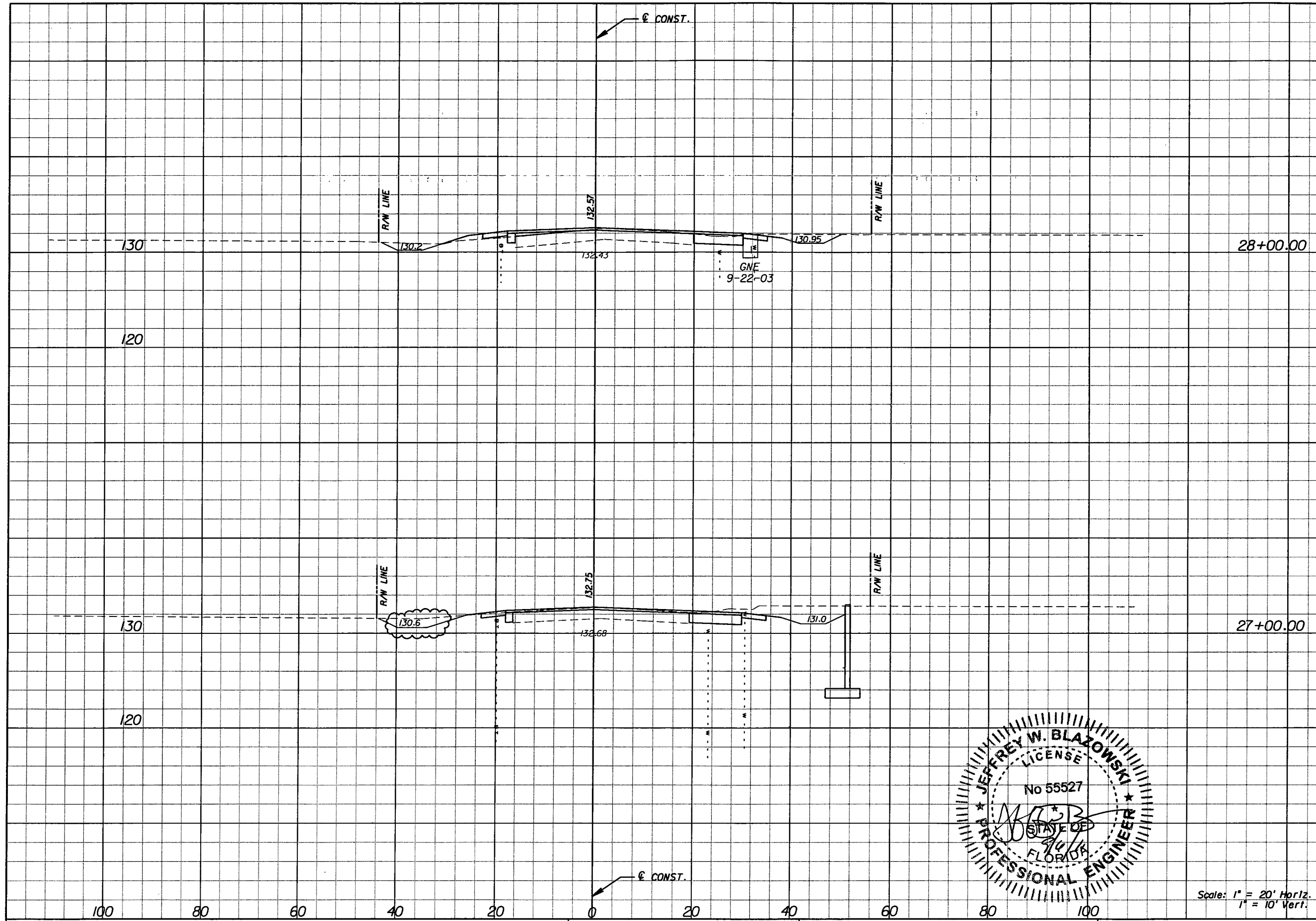
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS STRYKER RD.**

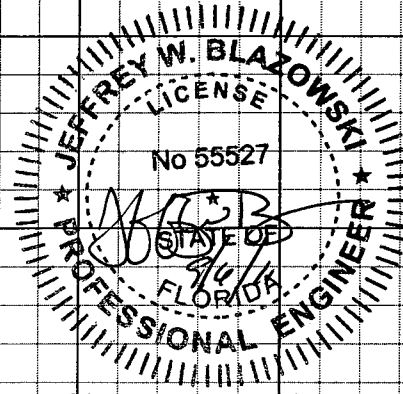
SHEET NO.
211

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

Rev 2 9-6-11



Regular Exc.		Embankment	
A	V	A	V
28.6	182	3.2	6
69.7	251	0.2	3



Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
9/6/11	JWB	MODIFIED DITCH ELEVATION.			

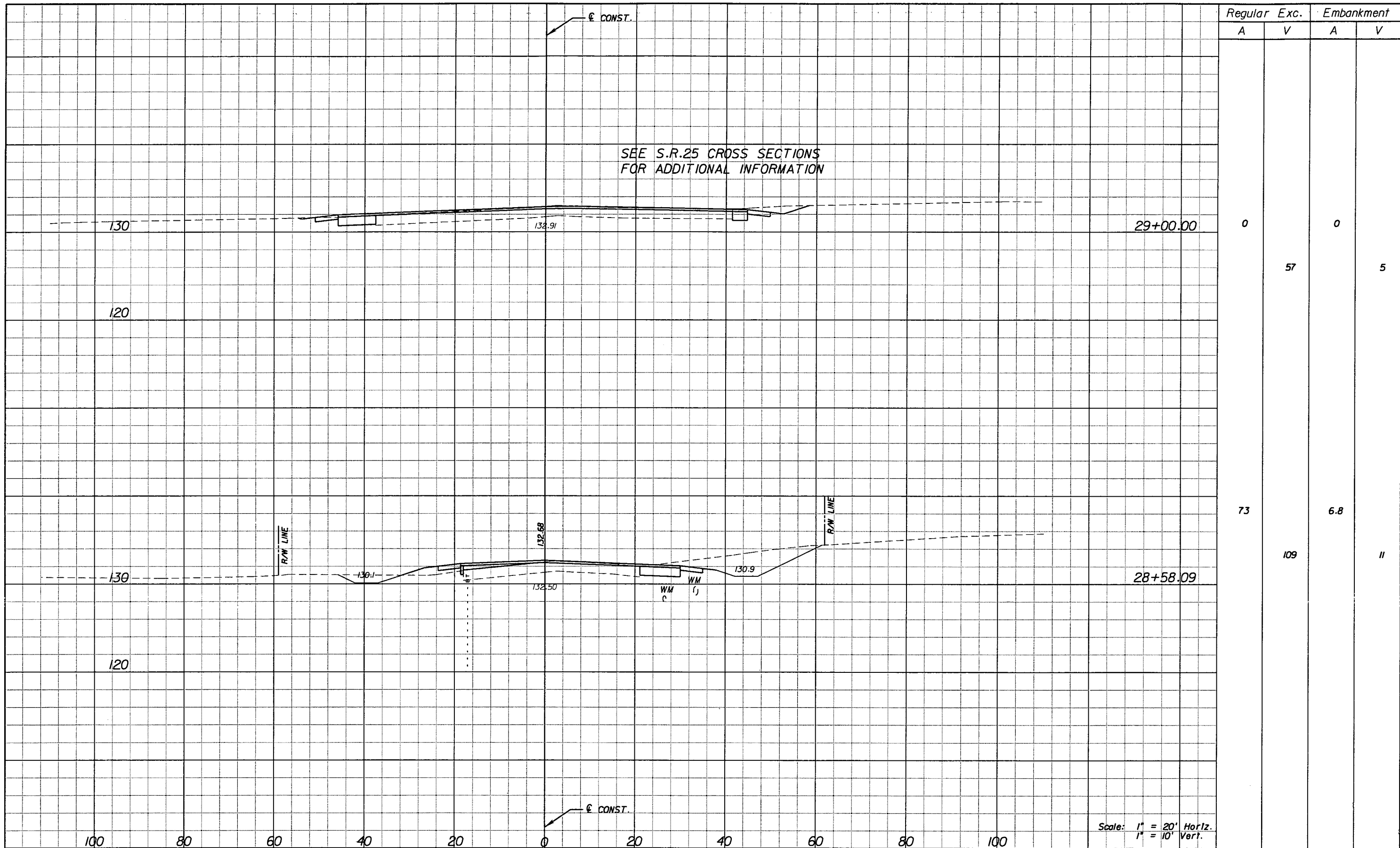
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Jeffery W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS STRYKER RD.**

SHEET NO.  
211

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Jeffery W. Blazowski, P.E. No. 55527

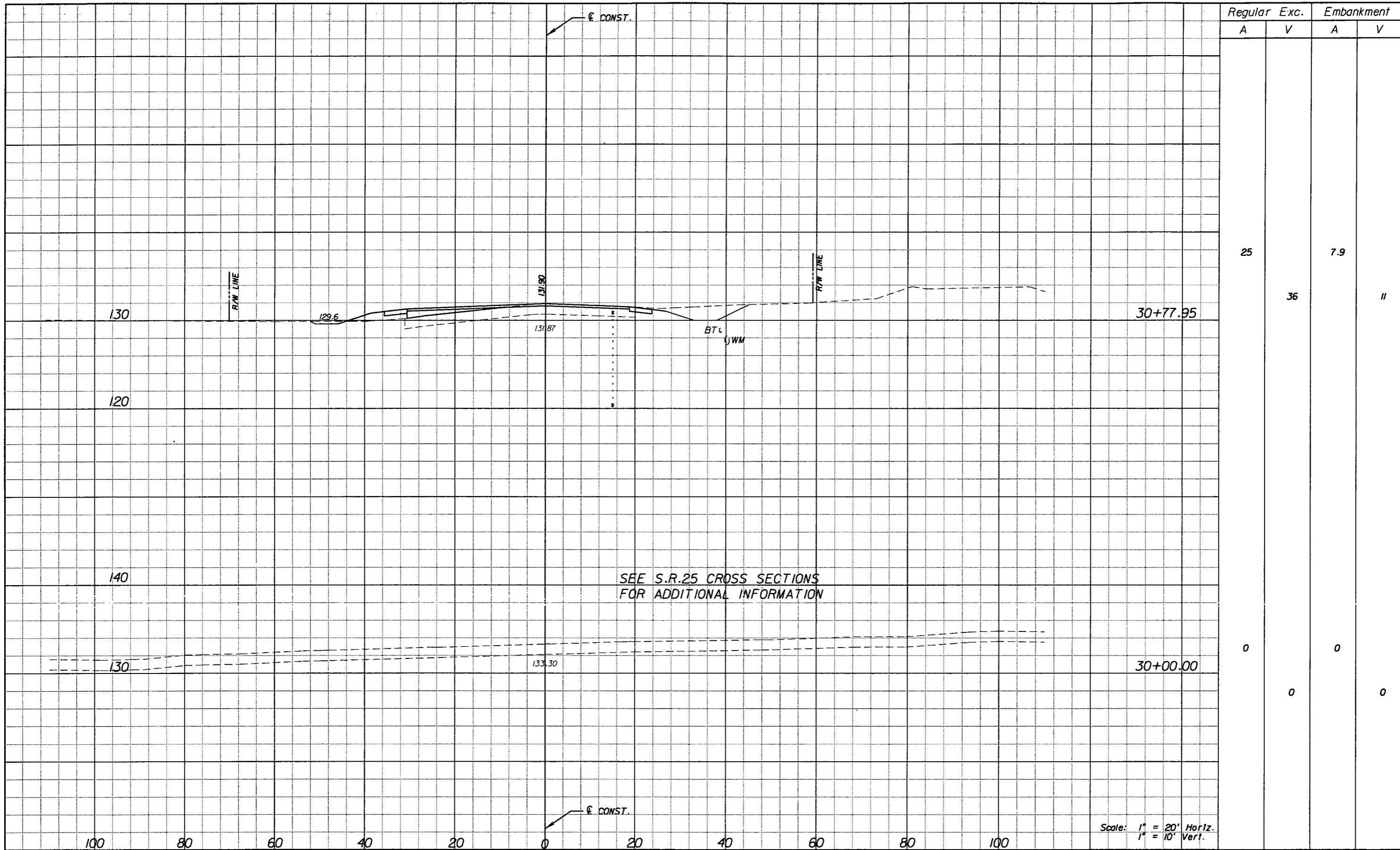
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS STRYKER RD.**

SHEET NO.  
212

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.





SEE S.R.25 CROSS SECTIONS FOR ADDITIONAL INFORMATION

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

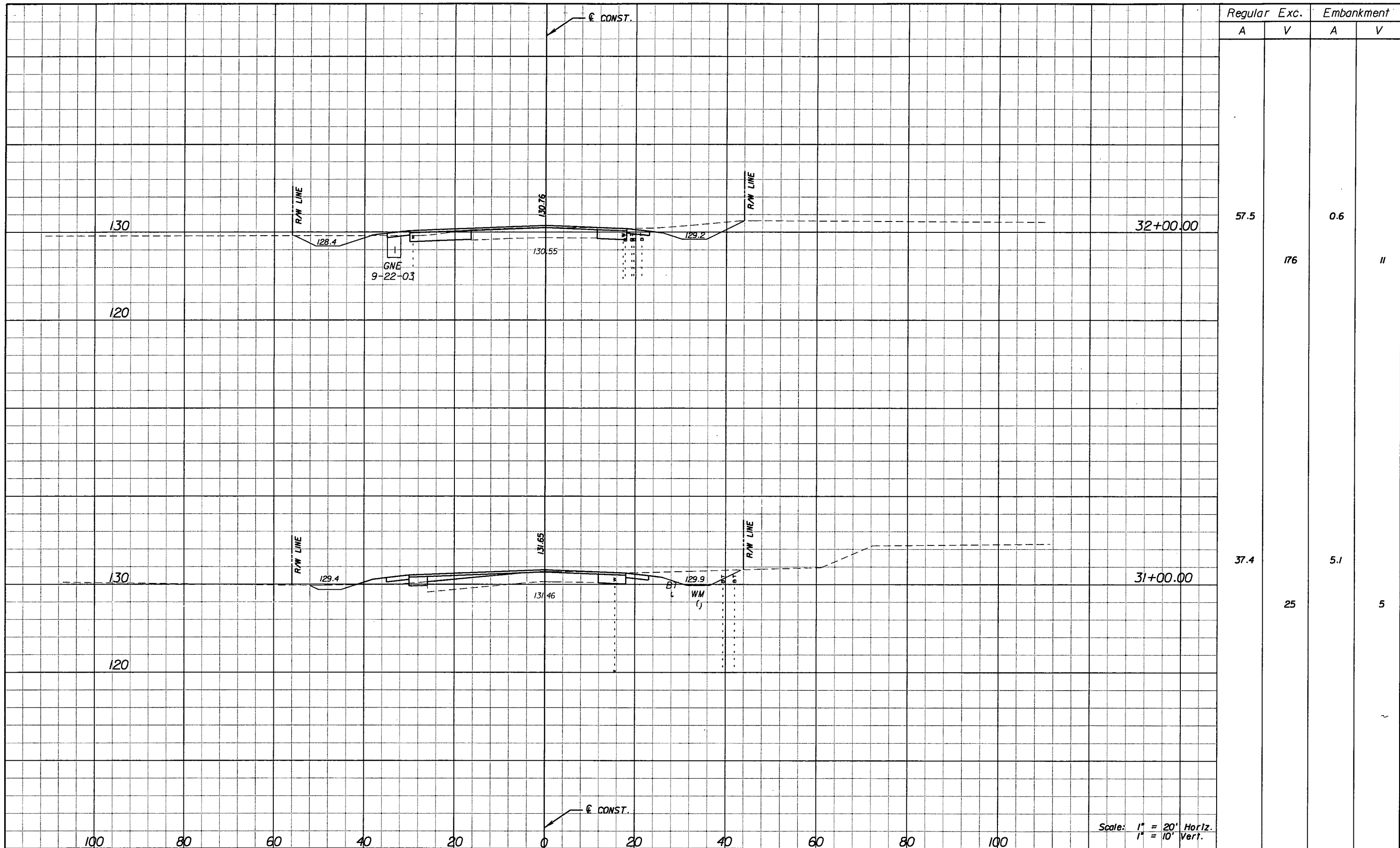
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Jeffery W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS STRYKER RD.**

SHEET NO.  
213

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

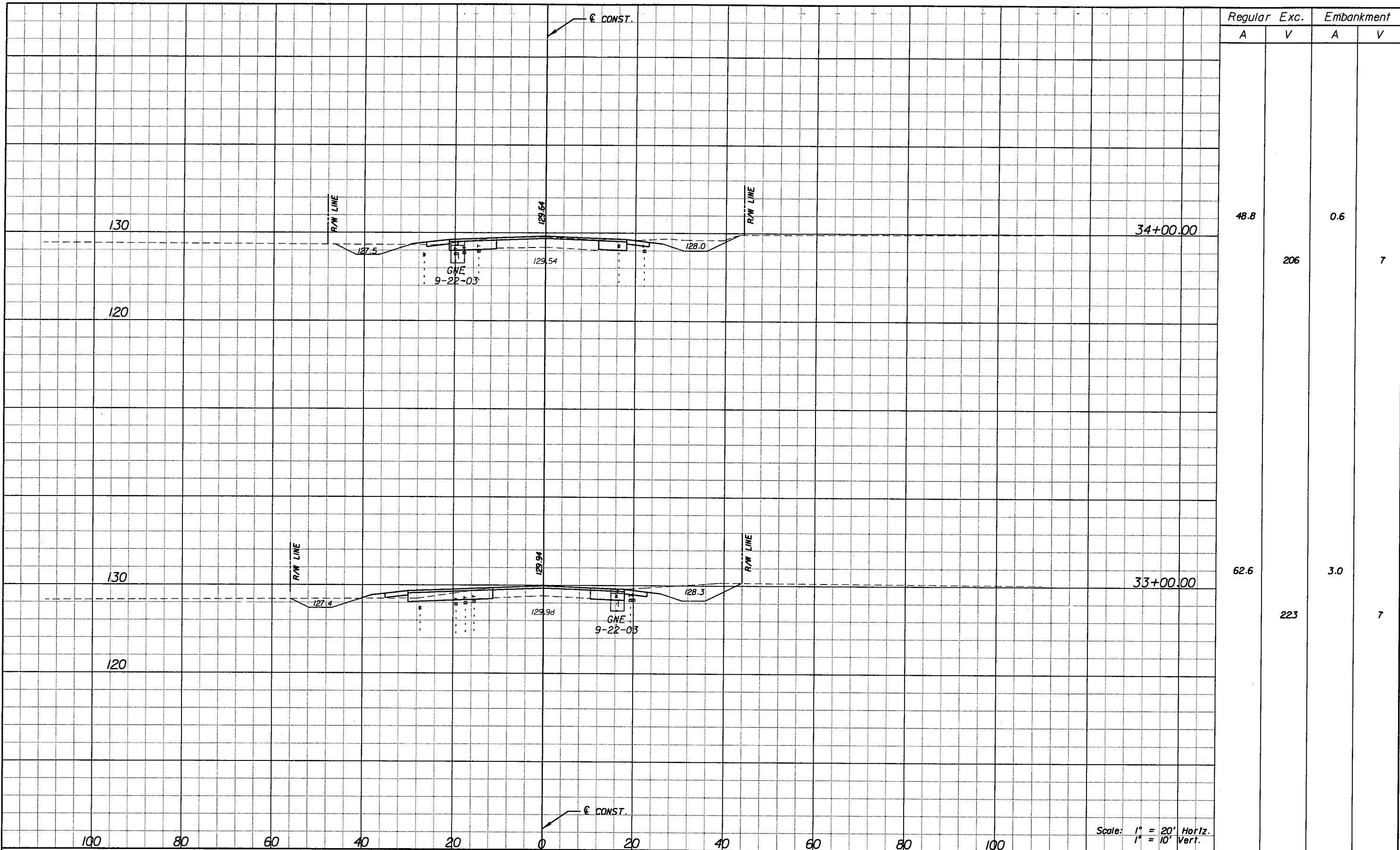
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Jeffery W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS STRYKER RD.**

SHEET NO.  
214

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.



Regular		Exc.		Embankment	
A	V	A	V	A	V
48.8			206	0.6	7
62.6			223	3.0	7

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

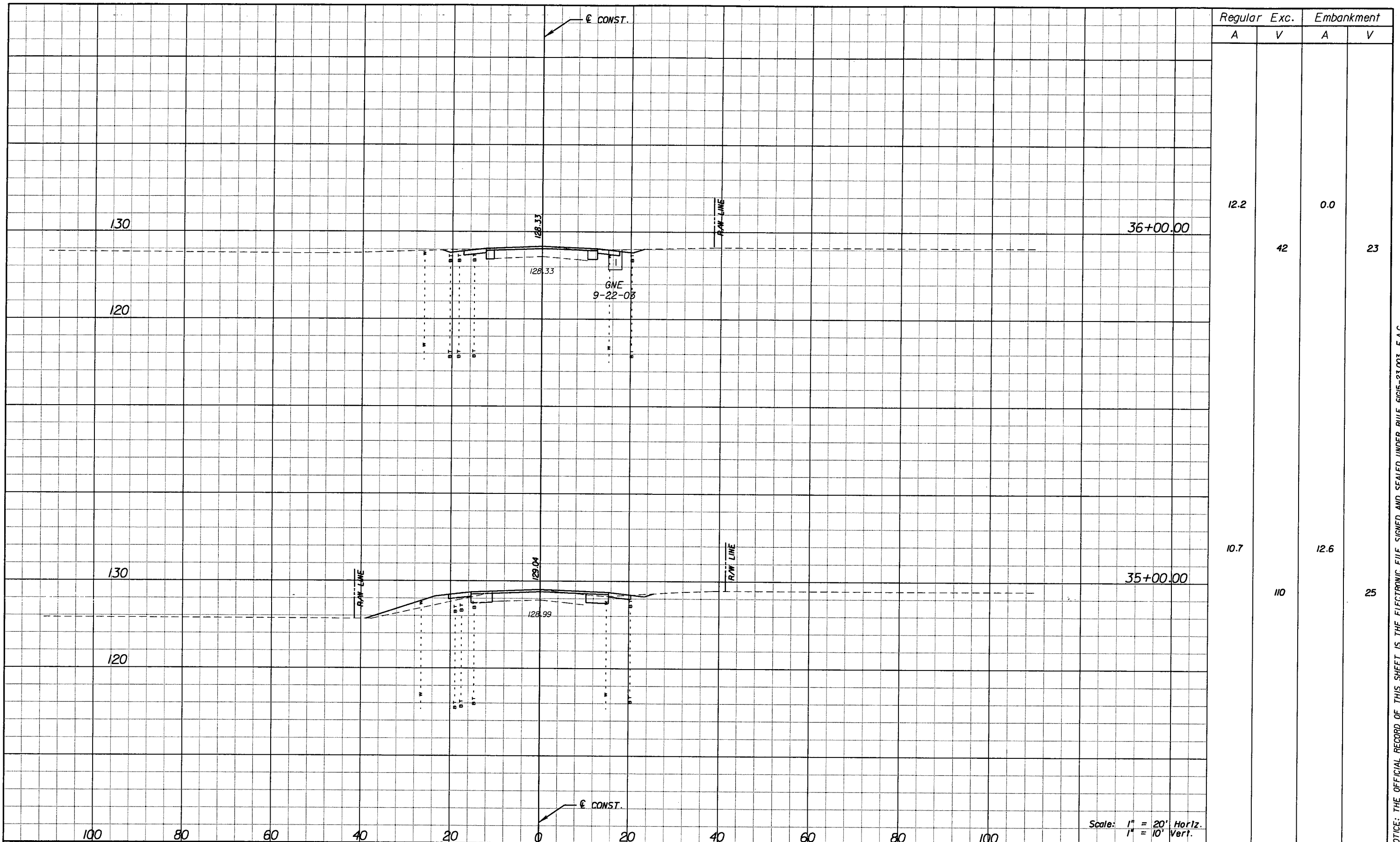
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Jeffery W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS STRYKER RD.**

SHEET NO.  
215

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



Regular A	Exc. V	Embankment	
		A	V
12.2		0.0	
	42		23
10.7		12.6	
	110		25

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Jeffery W. Blazowski, P.E. No. 55527

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

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

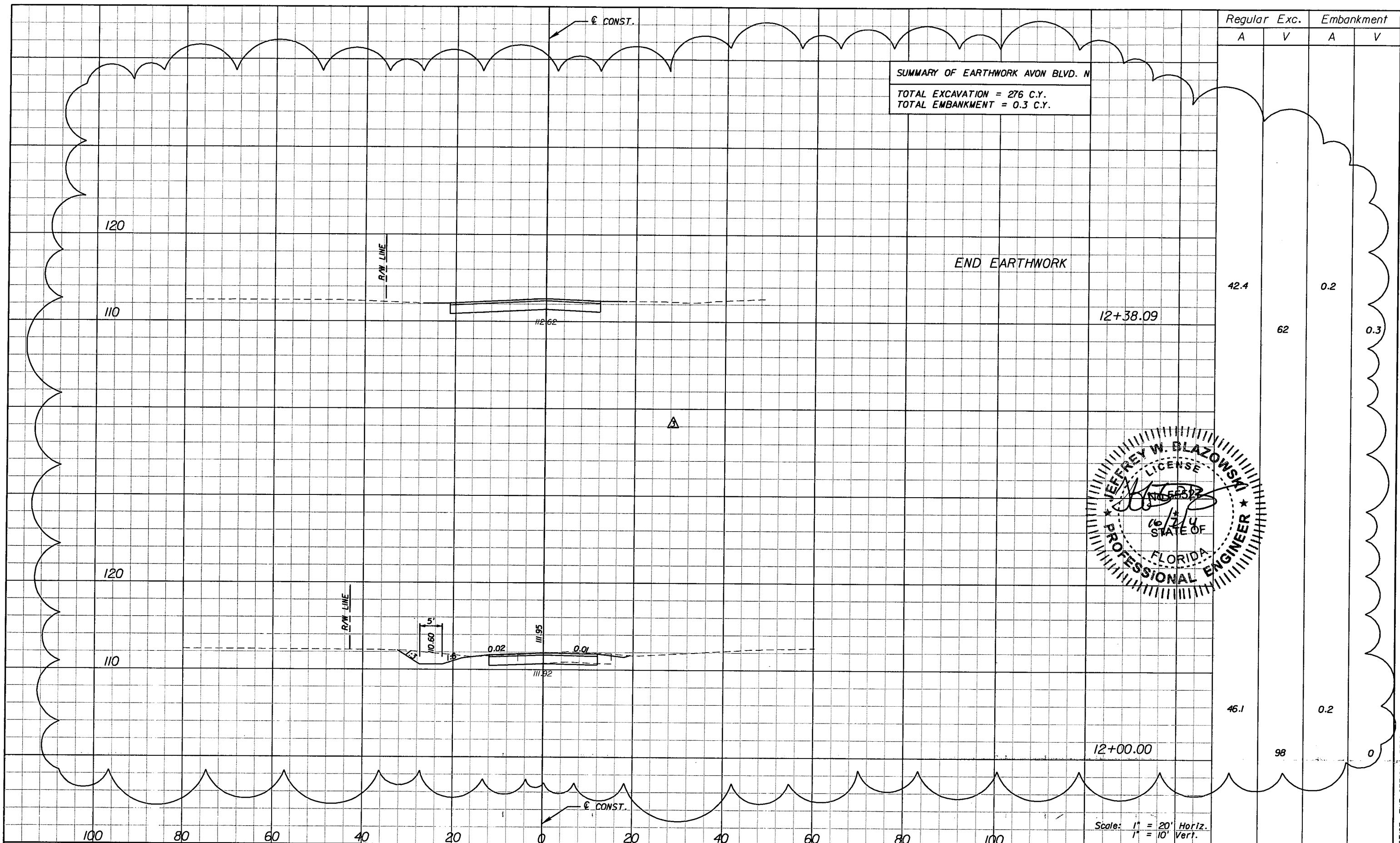
**CROSS SECTIONS STRYKER RD.**

SHEET NO.  
216

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61B5-23.003, F.A.C.







NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 60G5-23.003, F.A.C.

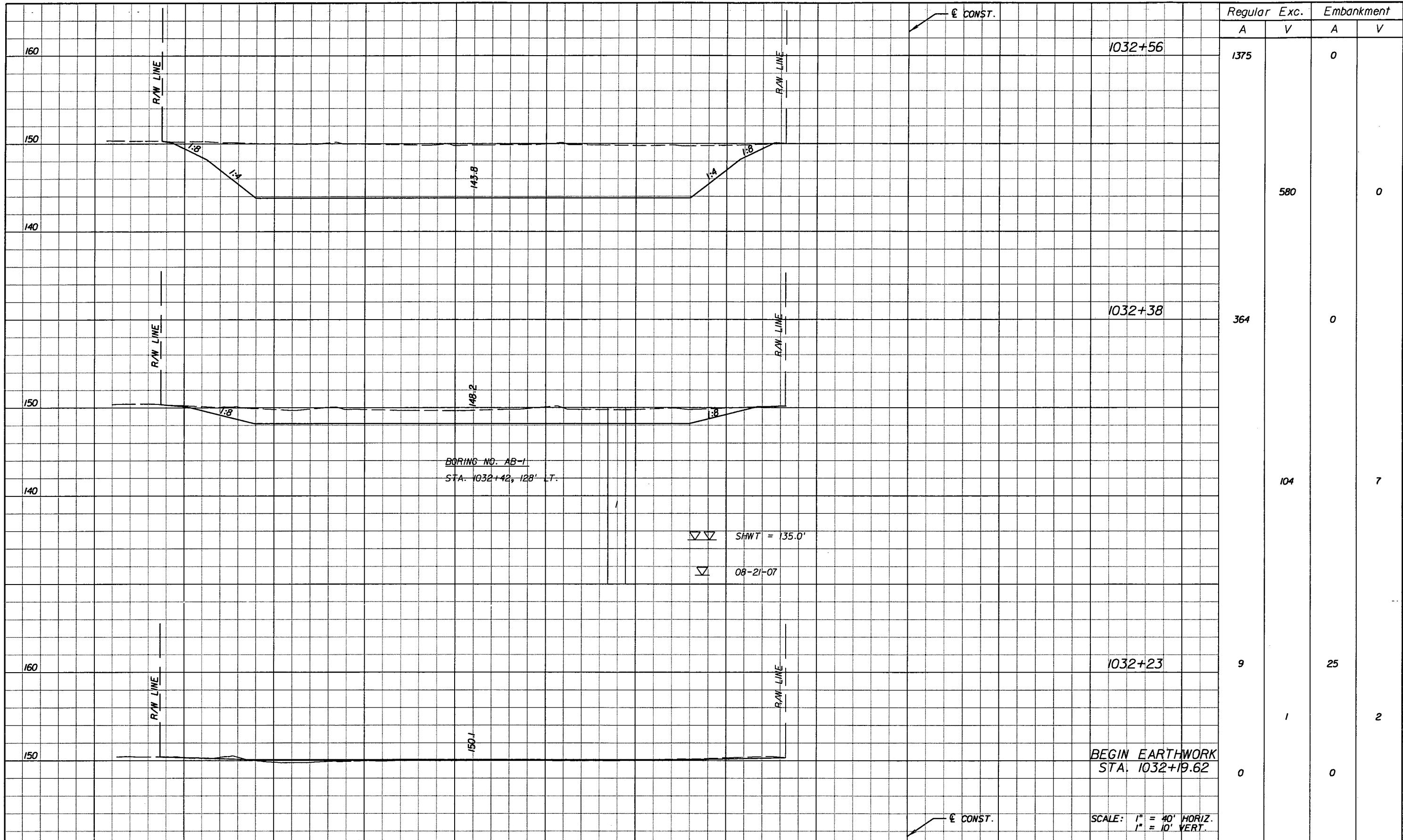
DATE		BY		DESCRIPTION	DATE		BY		DESCRIPTION
10/7/11		JWB		ADDED NEW SHEET.					

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Jeffery W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**CROSS SECTIONS A VON BLVD. N**

SHEET NO.  
217B



Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
1032+56	1375				0	
		580			0	
1032+38	364				0	
		104			7	
1032+23	9				25	
		1			2	
BEGIN EARTHWORK STA. 1032+19.62	0				0	

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

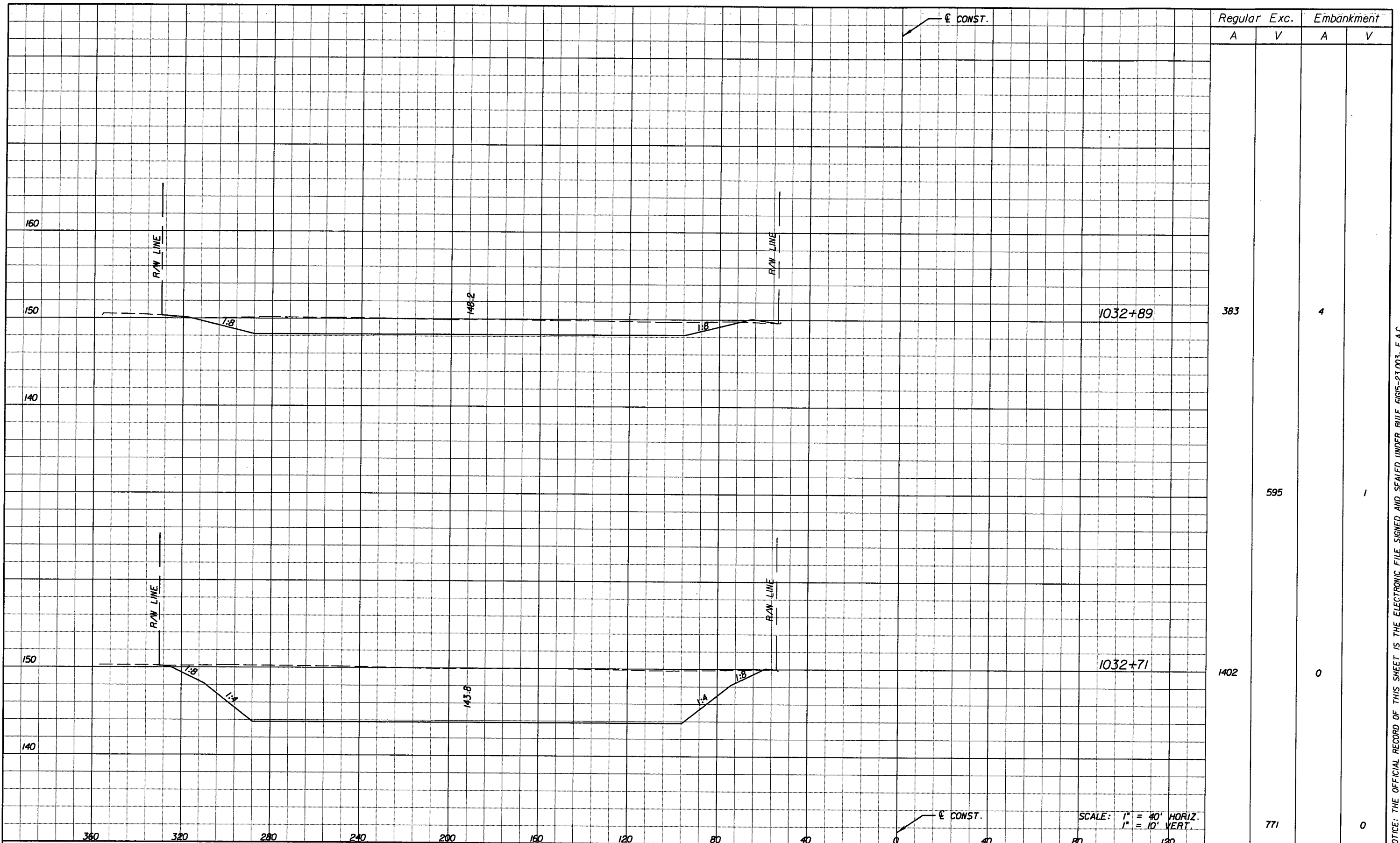
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**POND 1  
CROSS SECTIONS (1)**

SHEET NO. 218

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.





Regular	Exc.	Embankment	
		A	V
383		4	
	595		1
1402		0	
	771		0

REVISIONS			
DATE	BY	DESCRIPTION	DATE

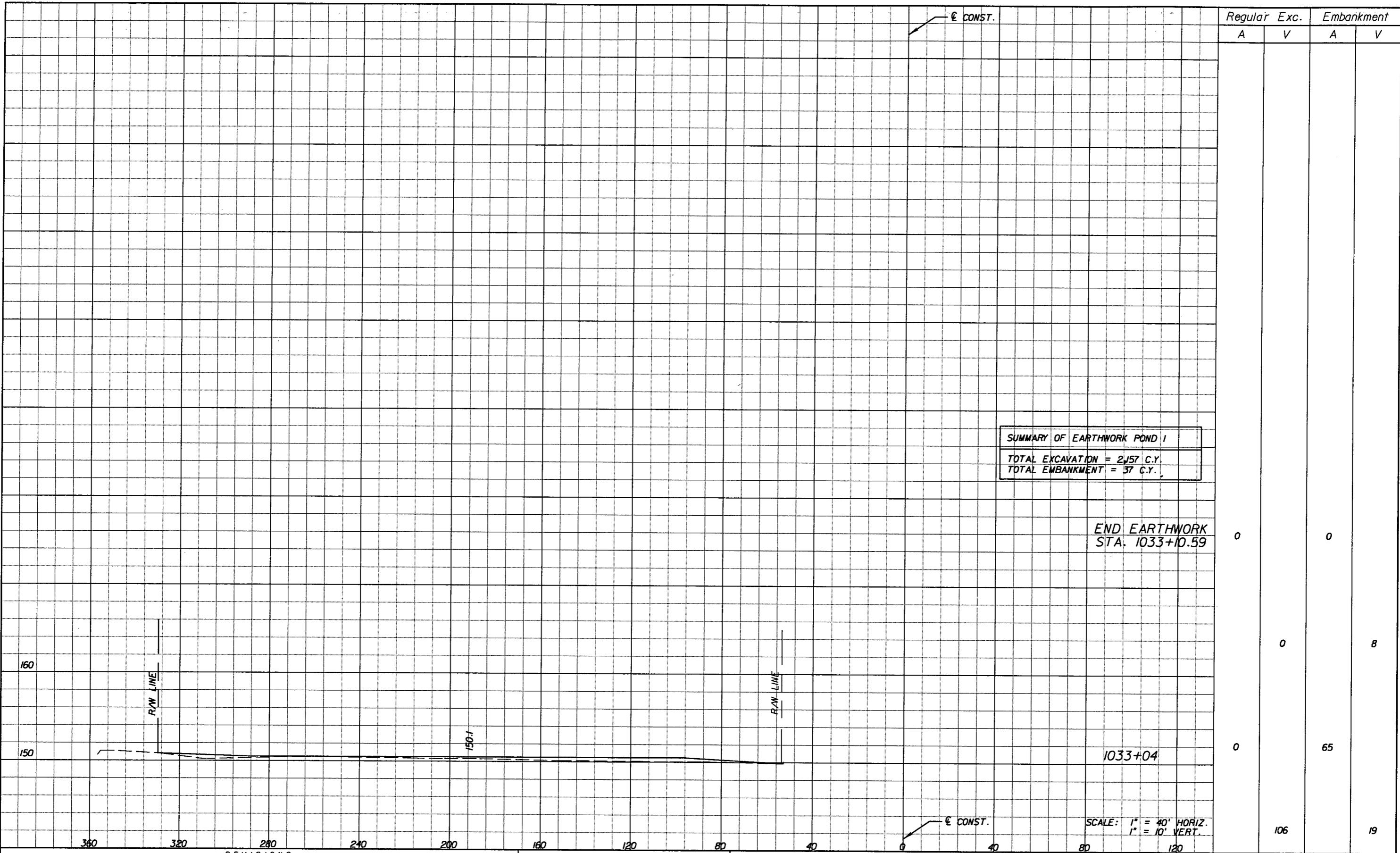
*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1701  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**POND 1  
CROSS SECTIONS (2)**

SHEET NO.  
219

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 605-23.003, F.A.C.



**SUMMARY OF EARTHWORK POND 1**  
 TOTAL EXCAVATION = 2,157 C.Y.  
 TOTAL EMBANKMENT = 37 C.Y.

END EARTHWORK  
 STA. 1033+10.59

1033+04

SCALE: 1" = 40' HORIZ.  
 1" = 10' VERT.

Regular		Exc.		Embankment	
A	V	A	V	A	V
0	0	0	0	0	8
0	0	65	0	19	0
0	0	106	0	0	0

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

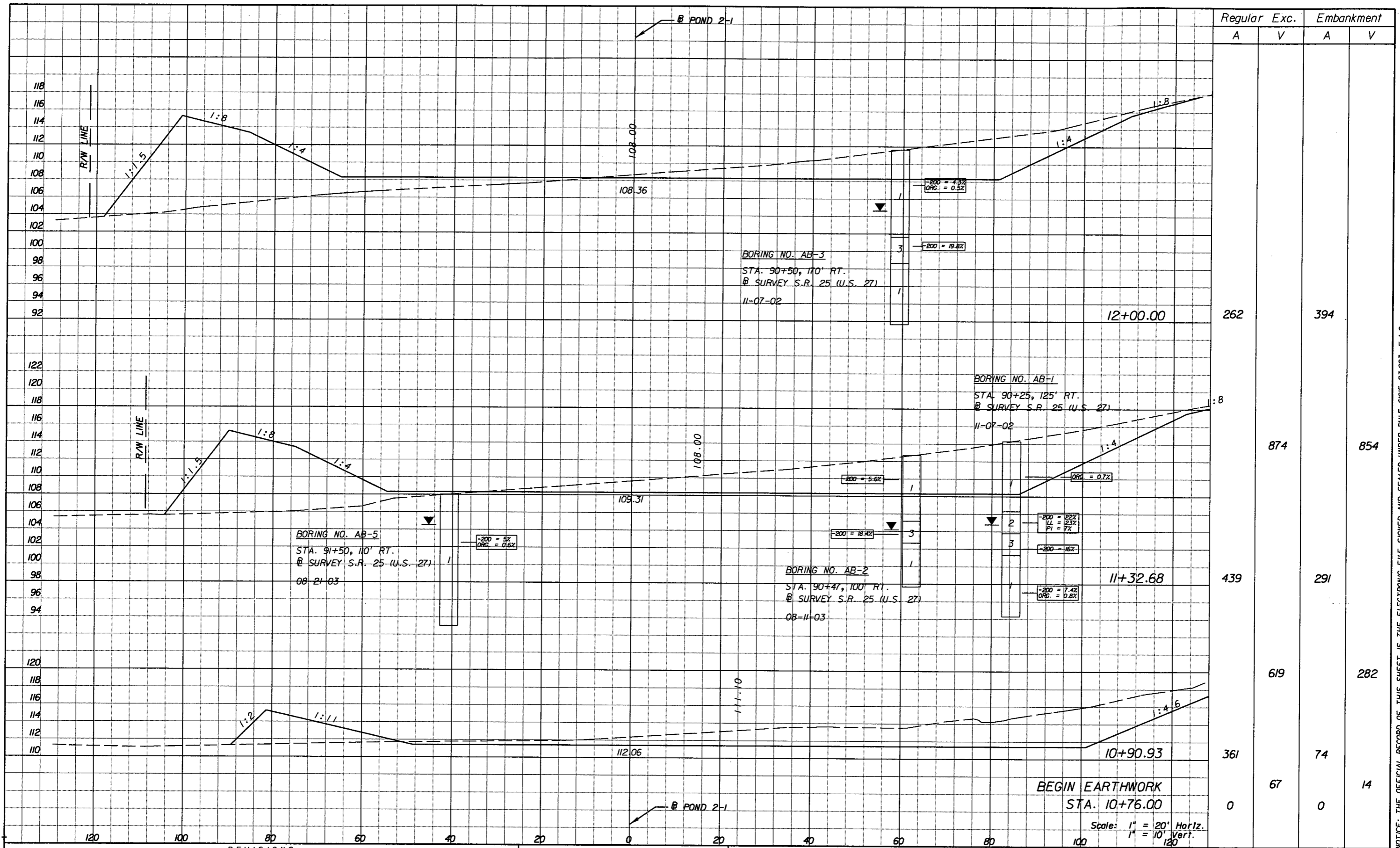
*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**POND 1  
 CROSS SECTIONS (3)**

SHEET NO.  
 220

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

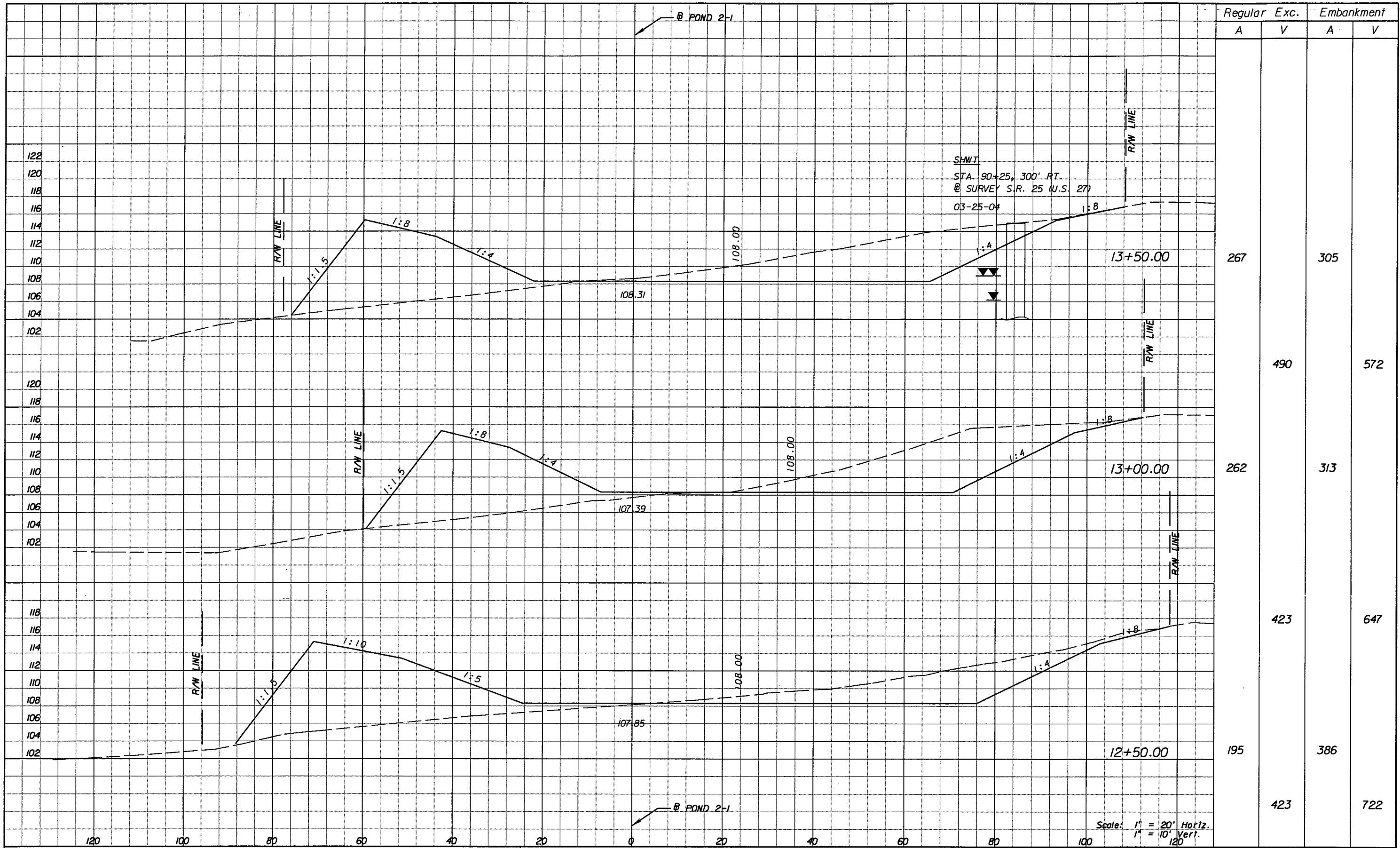
**Faller, Davis & Associates, Inc.**  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**POND 2-1  
CROSS SECTIONS (1)**

SHEET NO.  
221

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.



Regular		Exc.		Embankment	
A	V	A	V	A	V
267				305	
	490				572
262				313	
		423			647
195				386	
	423				722

Scale: 1" = 20' Horiz.  
1" = 10' Vert.

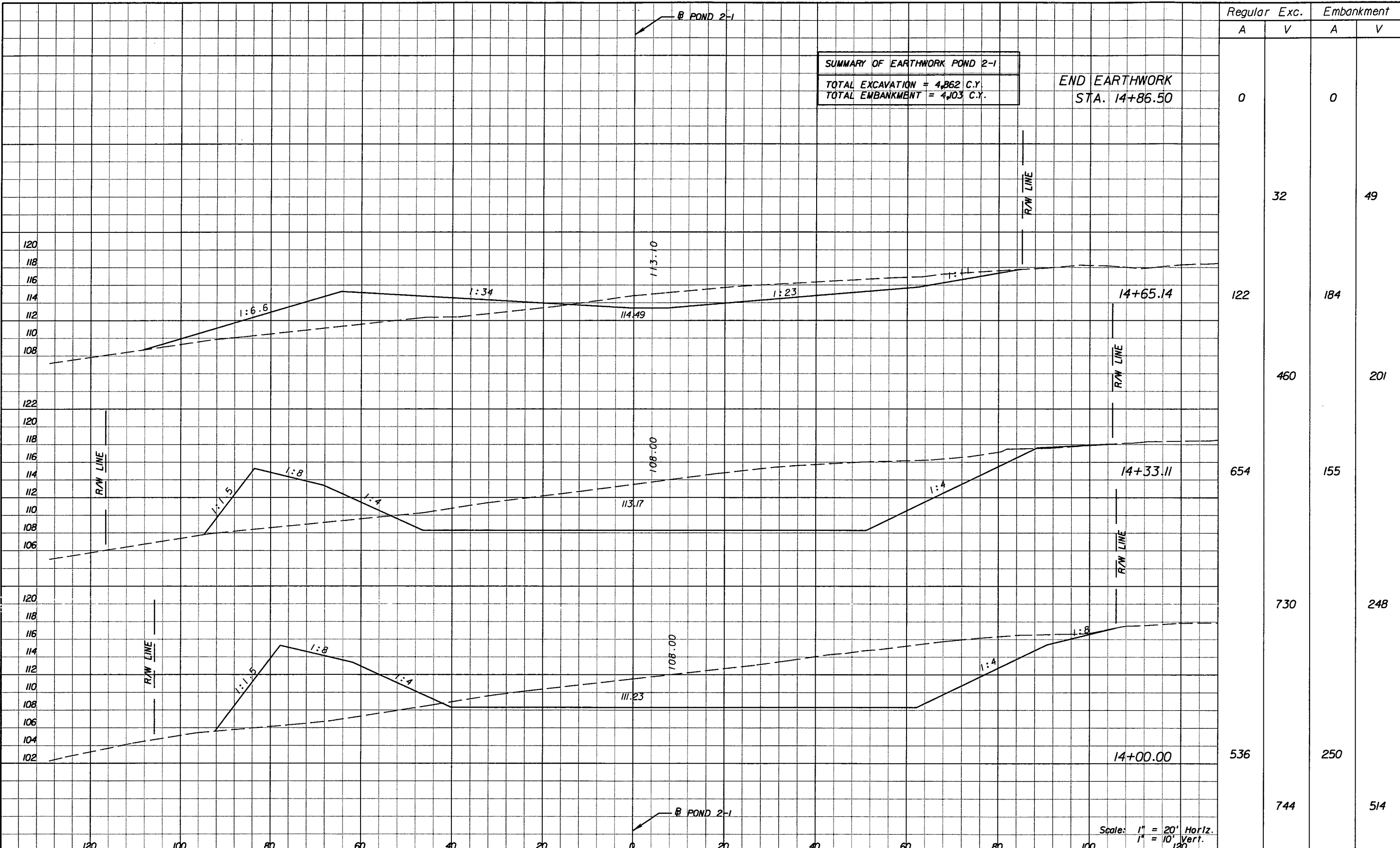
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

POND 2-1 CROSS SECTIONS (2)		SHEET NO.
		222

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



**SUMMARY OF EARTHWORK POND 2-1**  
 TOTAL EXCAVATION = 4,862 C.Y.  
 TOTAL EMBANKMENT = 4,103 C.Y.

END EARTHWORK  
 STA. 14+86.50

Regular	Exc.	Embankment	
		A	V
0	0	0	0
122	32	184	49
654	460	201	
536	730	248	
744	744	514	

Scale: 1" = 20' Horiz.  
 1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

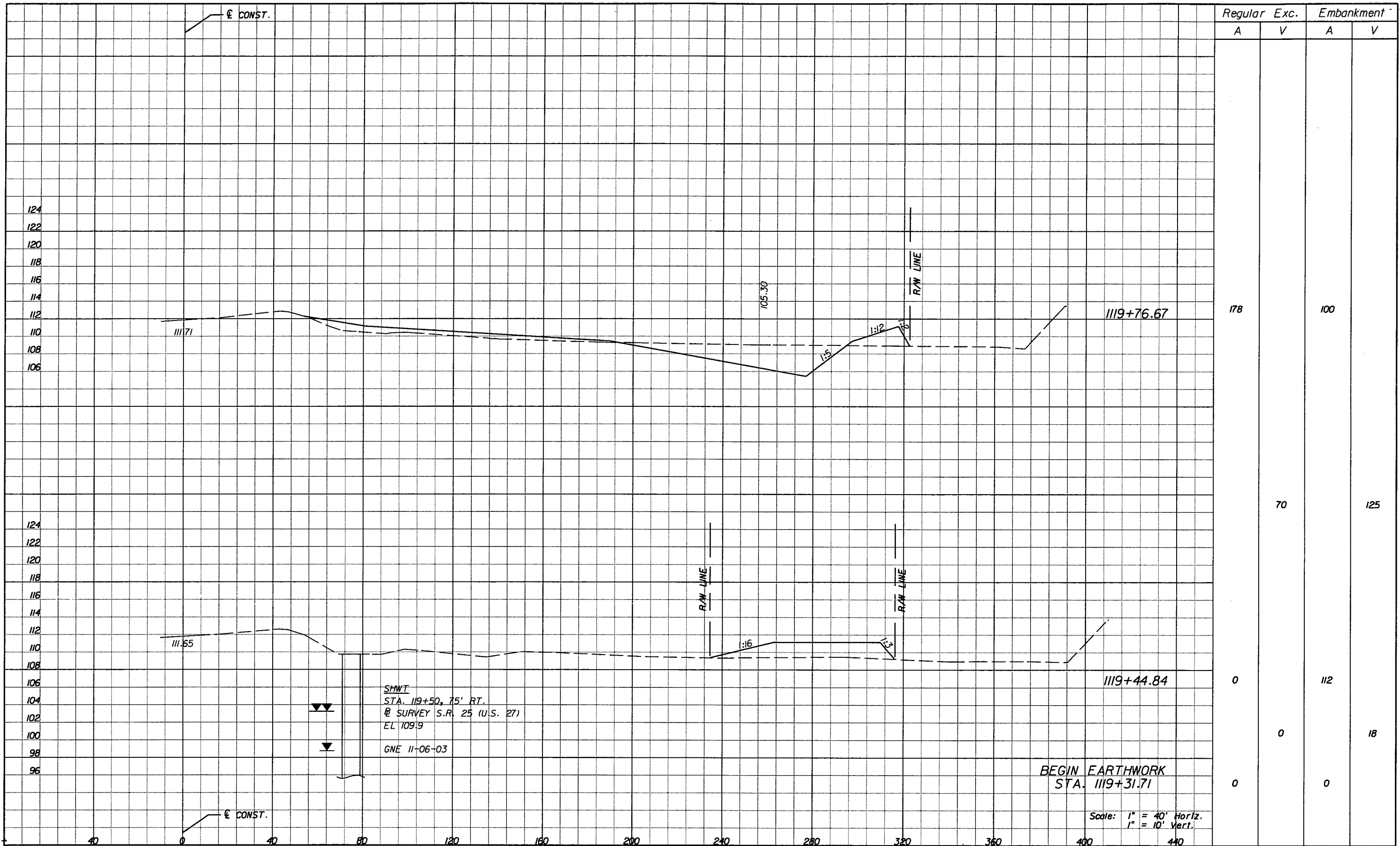
*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**POND 2-1  
 CROSS SECTIONS (3)**

SHEET NO.  
 223

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



SHWT  
 STA. 119+50.75' RT.  
 @ SURVEY S.R. 25 (U.S. 27)  
 EL 109.9  
 GNE 11-06-03

BEGIN EARTHWORK  
 STA. 119+31.71

Scale: 1" = 40' Horiz.  
 1" = 10' Vert.

DATE		BY	DESCRIPTION	REVISIONS	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

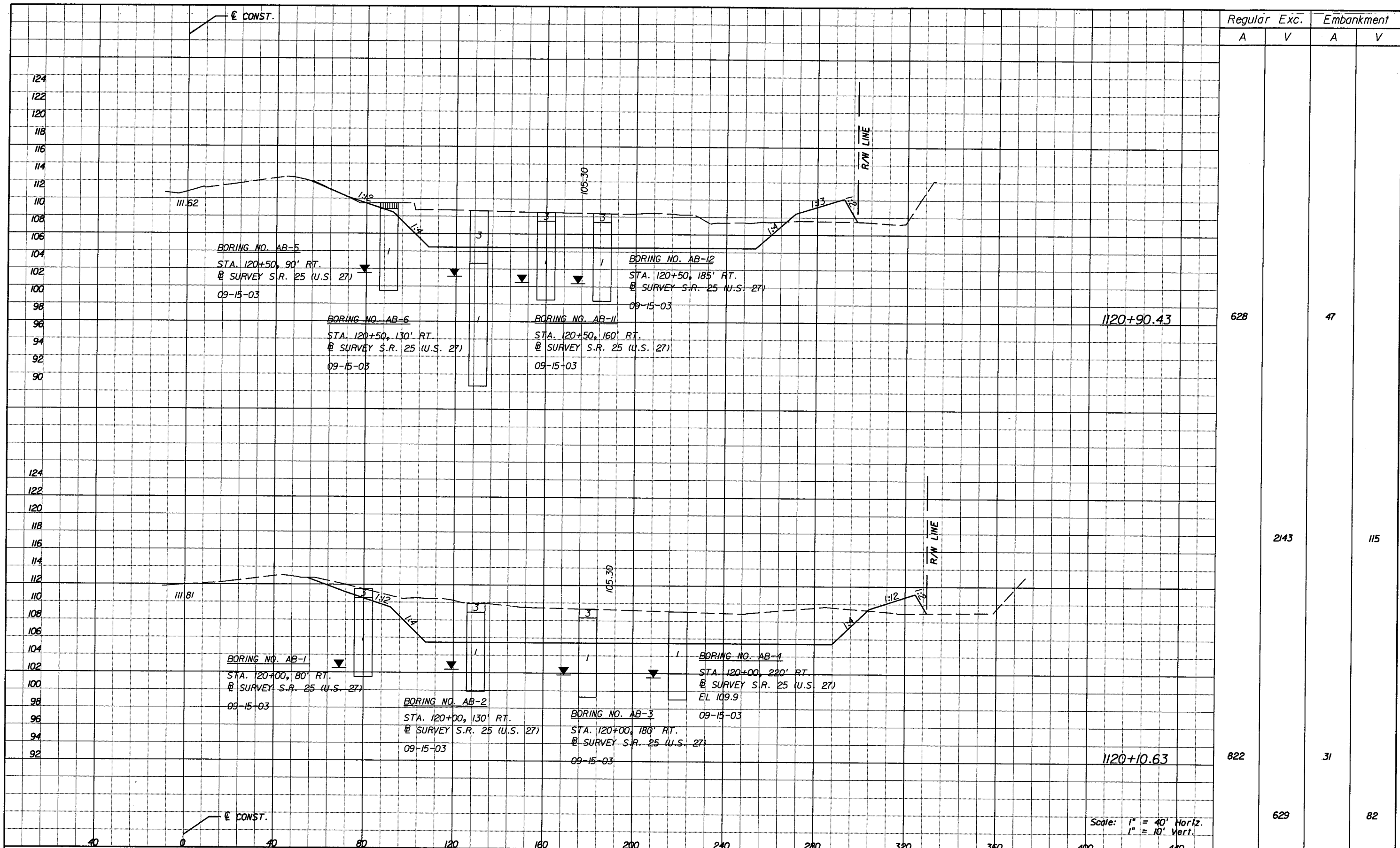
Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**POND 4-1  
 CROSS SECTIONS (1)**

SHEET NO.  
 224

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 66G5-23.003, F.A.C.



Regular	Exc.	Embankment	
		A	V
628			47
	2143		115
822			31
	629		82

Scale: 1" = 40' Horiz.  
1" = 10' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

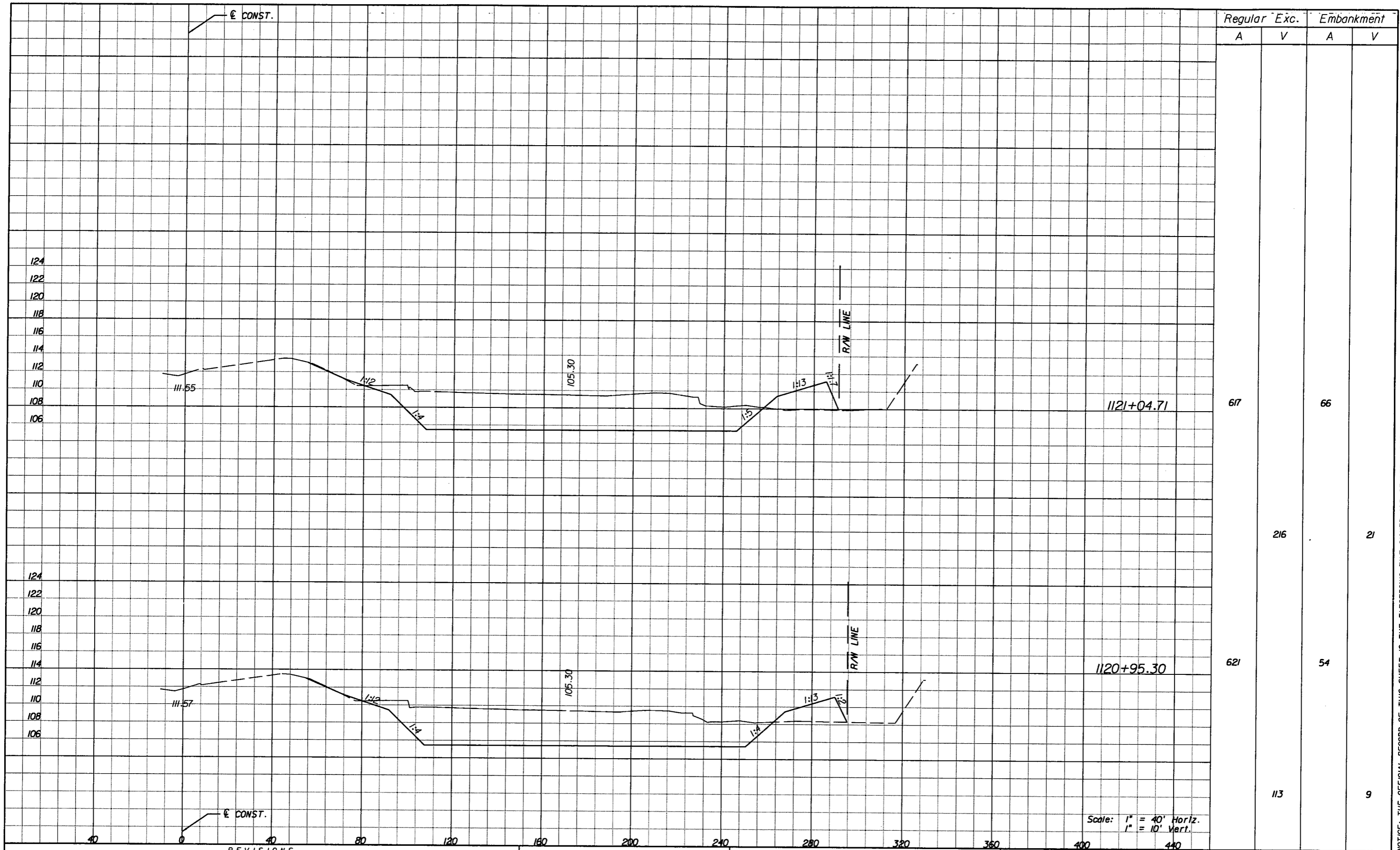
Faller, Davis & Associates, Inc.  
5525 W. CYPRESS ST. - SUITE 300  
TAMPA, FLORIDA 33607-1707  
CERTIFICATE OF AUTHORIZATION NO.: 5864  
DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**POND 4-1  
CROSS SECTIONS (2)**

SHEET NO.  
225

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Regular		Exc.		Embankment	
A	V	A	V	A	V
617				66	
	216				21
621				54	
	113				9

Scale: 1" = 40' Horiz.  
1" = 10' Vert.

REVISIONS		REVISIONS	
DATE	BY	DATE	BY

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 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**POND 4-1  
CROSS SECTIONS (3)**

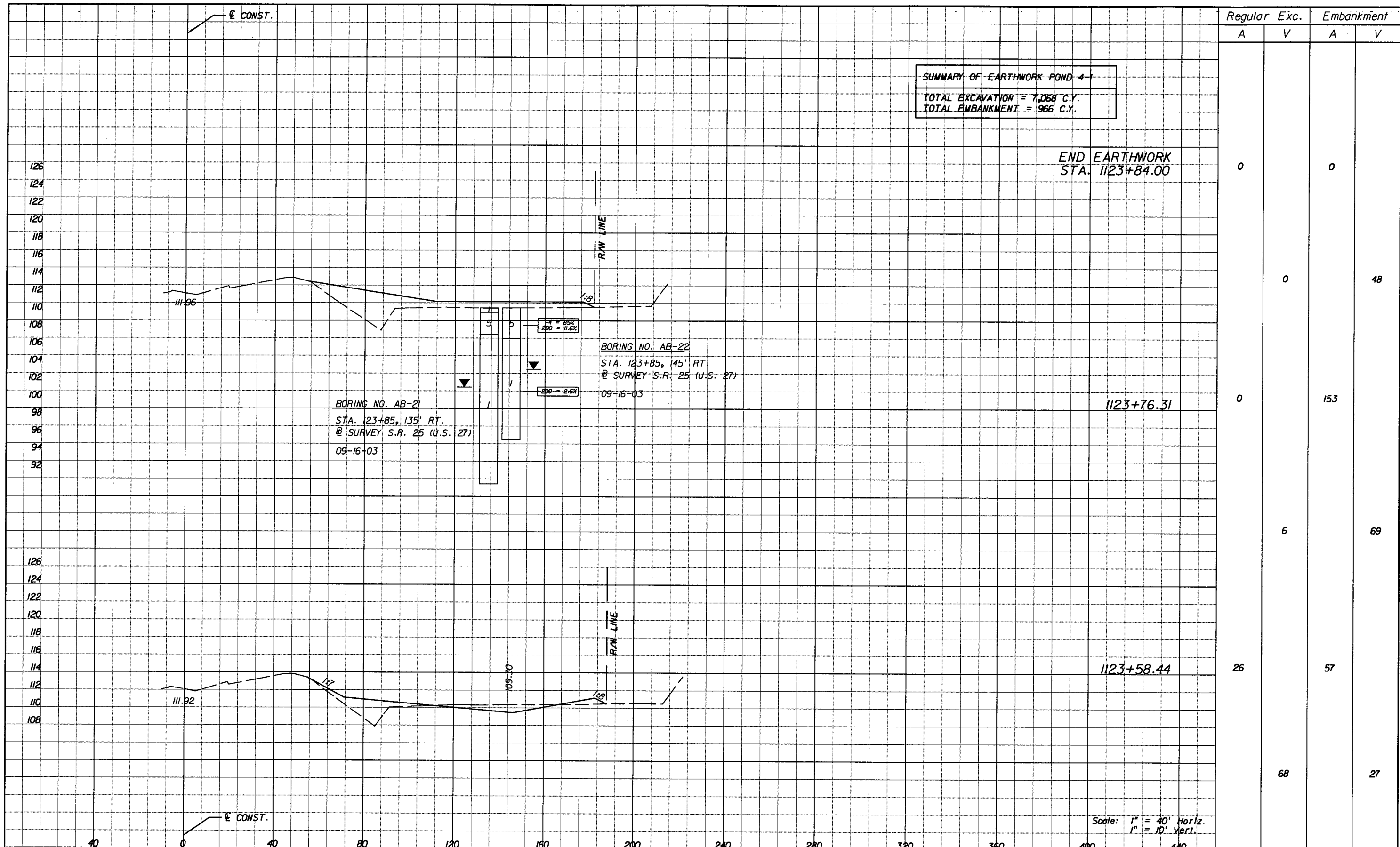
SHEET NO.  
226

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.









SUMMARY OF EARTHWORK POND 4-1  
 TOTAL EXCAVATION = 7,068 C.Y.  
 TOTAL EMBANKMENT = 966 C.Y.

END EARTHWORK  
 STA. 1123+84.00

BORING NO. AB-21  
 STA. 123+85, 135' RT.  
 @ SURVEY S.R. 25 (U.S. 27)  
 09-16-03

BORING NO. AB-22  
 STA. 123+85, 145' RT.  
 @ SURVEY S.R. 25 (U.S. 27)  
 09-16-03

1123+76.31

1123+58.44

Scale: 1" = 40' Horiz.  
 1" = 10' Vert.

Regular	Exc.	Embankment	
		A	V
0	0	0	0
0	0	153	48
0	6	69	69
26	68	57	27

REVISIONS			
DATE	BY	DESCRIPTION	DATE

Faller, Davis & Associates, Inc.  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1707  
 CERTIFICATE OF AUTHORIZATION NO.: 5864  
 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

POND 4-1  
 CROSS SECTIONS (6)

SHEET NO.  
 229

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.

**STORM WATER POLLUTION PREVENTION PLAN**  
**SR 25 (US 27) FROM W. LAKE ISIS AVE. TO POLK COUNTY LINE**  
**FINANCIAL PROJECT ID NO.: 194485-1-52-01 HIGHLANDS COUNTY**

**I. SITE DESCRIPTION:**

**(1) NATURE OF CONSTRUCTION ACTIVITY**

THE PROPOSED PROJECT WILL IMPROVE US 27 (SR 25) 4-LANE DIVIDED HIGHWAY TO A 6-LANE DIVIDED HIGHWAY FROM NORTH OF W. LAKE ISIS AVENUE (MP 15.286) TO THE POLK COUNTY LINE (MP 18.038) IN HIGHLANDS COUNTY, A DISTANCE OF APPROXIMATELY 2.75 MILES. THE EXISTING TYPICAL SECTION FROM W. LAKE ISIS AVENUE TO STRATFORD DRIVE IS CURRENTLY A 4-LANE DIVIDED RURAL SECTION. FROM STRATFORD DRIVE TO LAKE LILLIAN DRIVE THE EXISTING SECTION IS A 4-LANE DIVIDED URBAN ROADWAY. THE SECTION FROM LAKE LILLIAN DRIVE TO THE POLK COUNTY LINE IS CURRENTLY A 4-LANE DIVIDED RURAL SECTION. A LANE WILL BE ADDED IN EACH DIRECTION, SHOULDERS WILL BE ADDED IN THE RURAL SECTIONS, AND SIDEWALKS WILL BE ADDED WHERE THE REQUIRED RIGHT-OF-WAY IS AVAILABLE. A POND WILL BE CONSTRUCTED SOUTH OF THE PROJECT NEAR WOLF STREET TO PROVIDE COMPENSATORY STORMWATER MANAGEMENT WITHIN THE LAKE ISIS WATERSHED.

**(2) SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:**

- (a) THE CONTRACTOR SHALL BE REQUIRED TO PREPARE A SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN ALONG WITH A DETAILED CONSTRUCTION SCHEDULE TO INDICATE DATES OF MAJOR GRADING ACTIVITIES AND DETERMINE SEQUENCES OF TEMPORARY AND PERMANENT SOIL DISTURBING ACTIVITIES ON ALL PORTIONS OF THE PROJECT.
- (b) THE CONTRACTOR WILL BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS, CONSTRUCTION ACTIVITY VARIATIONS, OR AS DIRECTED BY THE ENGINEER.
- (c) APPLICABLE EROSION AND SEDIMENT CONTROL DEVICES AND IMPLEMENTATION PROCEDURES ARE SUPPLIED IN THE FDOT STANDARD INDEXES 100 THROUGH 106 AND THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEW MANUAL (E&SC MANUAL).
- (d) THE ENGINEER IS RESPONSIBLE FOR DETERMINING IF ANY MODIFICATIONS OR ADDITIONAL CONTROLS ARE REQUIRED AND TO OBTAIN DEPLOYMENT SCHEDULES FOR THE IMPLEMENTATION OF ALL ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES FROM THE CONTRACTOR.

**(3) GENERAL NOTES:**

- (a) ALL EROSION AND SEDIMENT CONTROL DEVICES FOR EACH PHASE OF WORK ARE TO BE INSTALLED PRIOR TO BEGINNING WORK ON THAT PHASE.
- (b) INSTALL EROSION AND SEDIMENT CONTROL DEVICES WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR PERIMETER CONTROLS BEFORE THE LAND IS DISTURBED.
- (c) PROVIDE SEDIMENT BARRIERS WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR DITCH/SWALE CHECK DAMS DURING CONSTRUCTION.
- (d) PROVIDE INLET PROTECTION SYSTEMS AT INLET OPENINGS.
- (e) COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE.
- (f) DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED.
- (g) TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CLIMATE CHANGES OR WEATHER EVENTS.
- (h) DO NOT REMOVE PERIMETER CONTROLS UNTIL AFTER ALL UPSTREAM AREAS ARE FULLY STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED.

**(4) PROJECT AREAS**

THE ESTIMATED TOTAL COMBINED WATERSHED AREA IS 117.8 ACRES INCLUDING CONTRIBUTING OFFSITE AREAS. THE ESTIMATED AREA TO BE DISTURBED DURING CONSTRUCTION ACTIVITIES IS 67.7 ACRES OF ROADWAY RIGHT OF WAY AND 4.2 ACRES OF POND SITE AREAS FOR A TOTAL OF 71.9 ACRES OF PROJECT AREA.

**(5) RUN-OFF COEFFICIENTS BEFORE Cw(B), DURING Cw(D) AND AFTER Cw(A) CONSTRUCTION:**

RUN-OFF COEFFICIENT FOR:  
 GRASSED SHOULDERS ADJACENT TO ROADWAY: C=0.15  
 IMPERVIOUS ROADWAYS AND PAVED SHOULDER: C=0.95  
 DISTURBED AREAS, EXPOSED SOIL, ETC., DURING CONSTRUCTION: C=0.40

WEIGHTED RUN-OFF COEFFICIENT:  
 BEFORE: Cw(B) = 0.41      DURING: Cw(D) = 0.58      AFTER: Cw(A) = 0.59

THE RUN-OFF COEFFICIENT DURING CONSTRUCTION, Cw(D), IS CALCULATED ASSUMING THAT THE MAXIMUM ALLOWABLE AREA OF SOIL IS DISTURBED DURING CONSTRUCTION, AND THE REMAINING AMOUNT IS THE EXISTING IMPERVIOUS AND GRASSED SHOULDER AREAS.

**(6) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE**

SOILS IN THE STUDY AREA ARE GENERALLY CLASSIFIED AS HYDROLOGIC SOIL GROUP A (HSG A) AND B/D (HSG B/D) ACCORDING TO THE SOIL CONSERVATION SERVICE'S HIGHLANDS COUNTY SOIL SURVEY (SCS).

SOIL TYPE	HYDROLOGIC GROUP	DEPTH TO SHWE	PERCENT OF TOTAL
(2) - ST. LUCIE	A	>6.0'	2.2%
(6) - TAVARES	A	3.5'-6.0'	30.3%
(7) - PLACID	D	+2.0'-0'	0.3%
(9) - ASTATULA	A	>6.0'	60.8%
(12) - BASINGER	B/D	0-1.0'	6.4%

**(7) ESTIMATED DRAINAGE AND AVERAGE SLOPE OF DRAINAGE AREA FOR EACH OUTFALL:**

BASIN	AREA	SLOPE
1	4.2 Ac.	1.11%
2	43.7 Ac.	1.50%
3	10.3 Ac.	0.75%

**(7 CONT.) ESTIMATED DRAINAGE AND AVERAGE SLOPE OF DRAINAGE AREA FOR EACH OUTFALL:**

BASIN	AREA	SLOPE
4	33.1 Ac.	0.72%
5	26.5 Ac.	0.74%

**(8) RECEIVING WATERS:**

THE ONSITE RUNOFF IS CONVEYED THROUGH THE PROPOSED STORM DRAIN SYSTEMS TO THE FOLLOWING:

- BASIN 1 LAKE ISIS
- BASIN 2 LAKE BRENTWOOD
- BASIN 3 LAKE DAMON
- BASIN 4 LAKE DAMON
- BASIN 5 LAKE LIVINGSTON

THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PREVENT UNAUTHORIZED MATERIALS FROM ENTERING THE WATERWAY.

**(9) THE OUTFALLS ARE NOT 303(d) LISTED IMPAIRED WATERS FOR PARAMETERS SUCH AS TOTAL SUSPENDED SOLIDS (TSS), TURBIDITY, NUTRIENTS, DISSOLVE OXIGEN, FECAL COLIFORMS, ETC.**

**(10) OUTFALL LOCATIONS: (TEMPORARY AND PERMANENT)**

BASIN 1	N 27° 36.61'	W 81° 30.75'
BASIN 2	N 27° 37.26'	W 81° 30.77'
BASIN 3	N 27° 37.48'	W 81° 30.87'
BASIN 4	N 27° 37.84'	W 81° 30.90'
BASIN 5	N 27° 38.78'	W 81° 31.79'

**(11) WETLAND AND/OR SURFACE WATER IMPACTS ARE LIMITED TO THE AREAS DESCRIBED IN THE APPROVED PERMITS FOR THE PROJECT.**

**(12) DESCRIPTION OF STORMWATER MANAGEMENT: (EXISTING/PROPOSED)**

- (a) PRESENTLY, EXISTING DRAINAGE FLOWS ARE TYPICALLY CAPTURED BY ROADSIDE DITCHES AND SMALL SWALES AND ARE ROUTED TO ONE OF THE SEVERAL OUTFALLS. FOR PROPOSED CONDITIONS, ON-SITE FLOWS ARE MANAGED BY DITCHES AND/OR STORMSEWER WHICH DIRECTS THE STORMWATER TO RETENTION/DETENTION PONDS WHICH DISCHARGE TO THE SAME WATER COURSE AS THE OFF-SITE FLOWS. THE EXISTING DRAINAGE PATTERNS FOR THE OFF-SITE FLOW WILL NOT BE MODIFIED OR AFFECTED BY THE ADDITION OF THE ROADWAY IMPROVEMENTS.
- (b) OFF-SITE RUN-OFF SHOULD BE DIVERTED AWAY OR THROUGH THE CONSTRUCTION AREA, IF POSSIBLE. THIS ADDITIONAL FLOW, IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO STRUCTURAL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.
- (c) THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION. SEDIMENT CONTROL WILL BE ACCOMPLISHED BY USING STREET OR VACUUM SWEEPERS.
- (d) STORMWATER RUNOFF SHALL BE CONVEYED TO EITHER TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS AND/OR TO PERMANENT STORMWATER MANAGEMENT FACILITIES (TREATMENT AND ATTENUATION PONDS). THE PROPOSED SEDIMENT BASINS, CONTAINMENT SYSTEMS AND/OR STORMWATER MANAGEMENT FACILITIES SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF CONSTRUCTION AND USED DURING CONSTRUCTION OF THE ROADWAY. THE OUTFALL STRUCTURES ARE TO BE PLUGGED WHEN TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS OR PERMANENT STORMWATER MANAGEMENT FACILITIES ARE USED FOR EROSION AND SEDIMENT CONTROL.
- (e) THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT UNAUTHORIZED MATERIALS FROM ENTERING WETLANDS, WATERWAYS, OR OTHER SURFACE WATERS OF THE U.S.

**II. CONTROLS:**

**EROSION AND SEDIMENT CONTROLS**

**(1) WATER QUALITY MONITORING:**

- (a) WATER QUALITY MONITORING SHALL BE CONDUCTED IN ACCORDANCE WITH THE SPECIAL CONDITIONS OF ANY ENVIRONMENTAL PERMIT OR BY THE CONTRACTOR UPON THE OBSERVATION THAT WATER QUALITY STANDARDS MAY BE VIOLATED BY THE CONTRACTOR'S ACTIVITIES. MONITORING LOCATIONS MAY BE SPECIFIED IN THE ENVIRONMENTAL PERMIT OR MAY BE DESIGNATED BY THE CONTRACTOR AND APPROVED BY THE PROJECT ADMINISTRATOR.
- (b) THE PROJECT ADMINISTRATOR WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (NO GREATER THAN 29 NTU'S ABOVE BACKGROUND OR GREATER THAN 0 NTU'S ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFW'S).
- (c) IF WATER QUALITY STANDARDS ARE VIOLATED, CONSTRUCTION SHOULD BE STOPPED IMMEDIATELY. THE ENVIRONMENTAL PERMIT CONDITIONS FOLLOWED AND EROSION AND SEDIMENT CONTROL DEVICES RE-EVALUATED AND APPROVED BY THE ENGINEER PRIOR TO ANY CONTINUATION OF ACTIVITY. MONITORING ACTIVITIES AND TURBIDITY READINGS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION REPORT AND CONTINUED UNTIL TURBIDITY READINGS FALL BELOW AN ACCEPTABLE LEVEL (LESS THAN 29 NTU'S ABOVE BACKGROUND OR LESS THAN 0 NTU'S ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFW'S).
- (d) WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION AS DIRECTED BY THE PROJECT ENGINEER.

REVISIONS						FALLER, DAVIS & ASSOCIATES, INC. 5525 W. CYPRESS ST. - SUITE 300 TAMPA, FLORIDA 33607-1701 CERTIFICATE OF AUTHORIZATION NO.: 5864 DEBORAH L. KNIGHTON, P.E. NO.: 43920	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  <b>STORM WATER POLLUTION PREVENTION PLAN</b>  230
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							25	HIGHLANDS	194485-1-52-01	

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(2) STABILIZATION PRACTICES:

- (a) STABILIZATION MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO MAINTAINING, ESTABLISHING AND USING VEGETATION, APPLYING MULCHES, SODDING, SEEDING, BMP'S AND THE USE OF ROLLED EROSION CONTROLLED PRODUCTS. WHEN CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, SIDE SLOPES SHALL BE STABILIZED WITH PERFORMANCE SODDING OR SEEDING OR ANY OTHER APPROVED METHOD OF STABILIZATION INCLUDED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEW MANUAL (E&SC MANUAL).
- (b) STABILIZATION SHALL TAKE PLACE AS SOON AS PRACTICAL IN PORTIONS OF THE PROJECT WHERE CONSTRUCTION ACTIVITIES HAVE CEASED, BUT NO LATER THAN 7 DAYS AFTER ANY CONSTRUCTION ACTIVITY CEASES EITHER TEMPORARILY OR PERMANENTLY.
- (c) ALL EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO THE CONTRACT DOCUMENTS, AND THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN.
- (d) ANY TEMPORARY MATERIAL USED FOR POLLUTION OR EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT AND FINAL STABILIZATION OF THE PROJECT HAS BEEN ACHIEVED.
- (e) SEDIMENT BARRIERS SHOULD BE USED ALONG THE LENGTH OF THE PROJECT WHERE THE GROUND SLOPES AWAY FROM THE RIGHT OF WAY OR WHERE THERE IS POTENTIAL FOR SEDIMENT TO BE DIRECTED OFF-SITE. PARTICULAR CARE SHOULD BE USED WHEN THERE ARE WETLANDS OR WATERS OF THE U.S. ARE INVOLVED. SEDIMENT BARRIERS SHOULD BE USED AROUND THE PERIMETER OF STOCKPILE AREAS.
- (f) SPACING OF SEDIMENT BARRIERS USED AS DITCH OR SWALE CHECKS/DAMS SHOULD BE BASED UPON THE HEIGHT OF THE BARRIER AND THE SLOPE OF THE DITCH OR SWALE.
- (g) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING SOIL TRACKING PREVENTION SYSTEMS OR PROCEDURES AS NEEDED.

(3) STRUCTURAL PRACTICES FOR EROSION AND SEDIMENT CONTROL:

- (a) ROLLED EROSION CONTROL PRODUCTS (ARTIFICIAL COVERINGS)
 

PURPOSE: TO PROTECT DISTURBED SLOPE SURFACES AGAINST EROSION DUE TO RAINFALL OR FLOWING WATER.

  - (1) USED FOR PAUSES IN CONSTRUCTION DUE TO INCLEMENT WEATHER OR OTHER CIRCUMSTANCES. COULD INCLUDE NATURAL OR SYNTHETIC FIBER MATS, PLASTIC SHEETING OR NETS.
  - (2) USED FOR EROSION CONTROL THAT FACILITATES PLANT GROWTH WHILE PERMANENT GRASS IS ESTABLISHED. COULD INCLUDE BIODEGRADABLE EROSION CONTROL BLANKETS INSTALLED ON A SEEDED AREA, ON FILL SLOPES OR IN DITCHES.
  - (3) USED TO STABILIZE DRAINAGE CHANNELS. CONSULT E&SC MANUAL TO DETERMINE CORRECT PRODUCT TYPE FOR CHANNEL STABILIZATION.
- (b) RUNOFF CONTROL STRUCTURE (TEMPORARY SLOPE DRAIN)
 

PURPOSE: TO PROTECT HILLSIDE SURFACES AGAINST EROSION DUE TO CONCENTRATED FLOW OF RUNOFF WATER.

  - (1) USED ON FILL SLOPES AND CUT SLOPES TO REDUCE SEDIMENT TRANSPORT AND COULD INCLUDE TEMPORARY SLOPE DRAINS, GRASS-LINED CHANNELS, ROCK-LINED CHANNELS AND CHECK DAMS.
  - (2) RUNOFF CONTROL STRUCTURES TYPICALLY DISCHARGE TO A SEDIMENT BASIN.
- (c) SEDIMENT BASIN (CONTAINMENT SYSTEM)
 

PURPOSE: A CONTAINMENT SYSTEM IS DESIGNED TO DETAIN AN ADEQUATE VOLUME OF RUNOFF, REDUCE THE VELOCITY OF FLOW THROUGH THE SYSTEM, ALLOW FOR SETTLEMENT OF SUSPENDED SOLIDS AND REGULATE THE DISCHARGE RATE FROM THE SEDIMENT BASIN.

  - (1) SEDIMENT BASINS MUST BE PLACED IN STRATEGIC LOCATIONS WITHIN THE ACTIVE AREAS OF CONSTRUCTION. CONTRIBUTING AREA AND SIZE OF TARGET SOIL PARTICLE WILL DICTATE WHETHER THE SEDIMENT BASIN WILL BE TYPE 1, TYPE 2 OR TYPE 3 SYSTEM.
  - (2) THE USE OF SMALLER PRE-SEDIMENTATION BASINS USED IN CONJUNCTION WITH LARGER PERMANENT RETENTION/DETENTION PONDS ARE EFFECTIVE IN CAPTURING LARGER VOLUMES OF SEDIMENTS. THIS TECHNIQUE REQUIRES PERIODICALLY SCHEDULED REMOVAL OF THE ACCUMULATED SEDIMENTS.
- (d) SEDIMENT BARRIERS (TEMPORARY CONSTRUCTION SITE BMP'S)
 

PURPOSE: SEDIMENT BARRIERS EITHER OBSTRUCT FLOW OR PREVENT THE PASSAGE OF WATER WHILE CONSTRUCTION ACTIVITIES OCCUR. SMALLER SEDIMENT BARRIERS MAY FUNCTION AS A SMALL SEDIMENT CONTAINMENT SYSTEM OR AS A METHOD TO REDUCE FLOW VELOCITY.

  - (1) THESE CONSTRUCTION BMP'S CAN INCLUDE SYNTHETIC BALES, STAKED SILT FENCE, TURBIDITY BARRIER, STORM SEWER INLET BARRIERS, ROCK BARRIERS, GEOSYNTHETIC BARRIERS, ETC.
  - (2) APPROPRIATE LOCATIONS INCLUDE SITE PERIMETER, BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION, BELOW THE TOE OF EXPOSED AND ERODIBLE SLOPES, ALONG THE TOE OF STREAM AND CHANNEL BANKS, AROUND DRAINS AND INLETS LOCATED IN LOWPOINTS OR THE DOWNSTREAM EDGE OF AREAS UNDERGOING VERTICAL OR BOX CULVERT CONSTRUCTION ACTIVITIES.
  - (3) INAPPROPRIATE LOCATIONS FOR THESE SAME MEASURES INCLUDE PARALLEL TO A HILLSIDE CONTOUR, IN CHANNELS WITH CONCENTRATED FLOW (UNLESS PROPERLY REINFORCED), UPSTREAM OR DOWNSTREAM OF CULVERTS WITH CONCENTRATED FLOW, IN FRONT OF OR AROUND INLETS ON A GRADE WITH CONCENTRATED FLOW OR IN FLOWING STREAMS.

(e) FLOATING TURBIDITY BARRIER

- PURPOSE: USED IN PERMANENT BODIES OF WATER TO RETAIN SEDIMENT AND FLOATING DEBRIS FROM A CONSTRUCTION AREA SO THAT REMOVAL OR CONTAINMENT OF THE MATERIAL IS POSSIBLE. THEY ARE ALSO USED TO CONTROL MIGRATION OF SUSPENDED SEDIMENTS.
- (1) TYPE I, LIGHT DUTY, IS USED WHERE THERE IS LITTLE OR NO CURRENT, NO WIND AND NO WAVE ACTION.
  - (2) TYPE II, MODERATE DUTY, IS USED WITH SOME CURRENT (<3.5 FT. PER SECOND) AND SOME EXPOSURE TO WIND.
  - (3) TYPE III, HEAVY DUTY, IS USED WITH GREATER CURRENT (3.5-5.0 FT. PER SECOND), MODERATE WIND AND WAVE ACTION.
  - (4) BARRIER MUST BE ATTACHED AT BOTH ENDS AND WEIGHTED ON THE BOTTOM.
  - (5) MULTIPLE LINES OF BARRIER MAY BE USED IN SOME CIRCUMSTANCES FOR ADDITIONAL PROTECTION.
  - (6) STANDARD PANELS FOR WATER DEPTHS ARE 5.0'. ADDITIONAL PANELS CAN BE USED FOR WATER DEPTHS > 5.0'.

(f) STAKED TURBIDITY BARRIER

- PURPOSE: THIS ITEM IS COMMONLY USED IN AREAS WHERE CONTINUOUS CONSTRUCTION ACTIVITIES CHANGE THE NATURAL CONTOURS AND DRAINAGE RUNOFF PATTERNS.
- (1) COMMONLY USED IN LAKES AND STREAMS AS A SEDIMENT CONTAINMENT SYSTEM. SHOULD NOT BE USED WHERE WATER CURRENTS MOVE THE CURTAIN AND DISLODGE COLLECTED SEDIMENTS.
  - (2) MAXIMUM DEPTH OF PANEL IS 3'-8".
  - (3) POST MUST BE A MINIMUM LENGTH OF 5.0' AND A MINIMUM OF 10" OF FABRIC MUST BE IMBEDDED IN THE GROUND.

(g) INLET PROTECTION SYSTEM

- PURPOSE: ANY OF A NUMBER OF SEDIMENT BARRIERS THAT EITHER PREVENT SEDIMENT FROM ENTERING AN INLET OR TRAP THE SEDIMENTS ONCE THEY ENTER THE INLET.
- (1) TYPICAL APPLICATIONS INCLUDE ROCK BARRIERS, FRAME AND FILTER BARRIERS, CURB INLET "SUMP" BARRIER, CURB INLET DIVERSION BERM, CURB AND GUTTER SEDIMENT CONTAINMENT SYSTEM OR CURB INLET INSET.
  - (2) SHOULD BE INSTALLED ONLY WHEN CONSTRUCTION ACTIVITIES ARE ON-GOING AND ONLY WHERE SUMP CONDITIONS EXIST.
  - (3) SHOULD NOT BE USED WHEN CONSTRUCTION IS COMPLETE AND SHOULD NOT BE USED IN AREAS WHERE FLOODING COULD ENCROACH INTO THE TRAVEL LANES.

(h) SOIL TRACKING PREVENTION DEVICE

- PURPOSE: TEMPORARY STRUCTURES TO ASSIST WITH THE REMOVAL OF SOIL MATERIAL CAPTURED ON VEHICLE TIRES BEFORE THE VEHICLES ENTER THE ROADWAY.
- (1) USE ONE DEVICE PER MILE WITH A MINIMUM OF TWO PER PROJECT.
  - (2) USE ADDITIONAL DEVICES FOR CONSTRUCTION AREAS THAT ARE NOT ADJACENT TO THE ROAD RIGHT OF WAY AND NO ACCESS IS PROVIDED THROUGH A SOIL TRACKING PREVENTION DEVICE.

(4) CHEMICAL TREATMENTS FOR EROSION AND SEDIMENT CONTROL:

(a) CHEMICAL TREATMENT - POLYACRYLAMIDES (PAM AND PAM BLENDS)

- PURPOSE: REDUCE SOIL EROSION THROUGH SOIL BINDING, USED AS A WATER TREATMENT ADDITIVE TO REMOVE SUSPENDED SOLIDS FROM RUNOFF, PROVIDES APPROPRIATE MEDIUM FOR GROWTH OF VEGETATION FOR STABILIZATION AND INCREASES INFILTRATION BY INCREASING SIZE OF SOIL PARTICLE.
- (1) CAN BE USED ON DISTURBED SOILS. CAN BE USED IN CONJUNCTION WITH OTHER BMP'S TO ENHANCE PERFORMANCE. CAN BE APPLIED IN DISSOLVED FORM WITH WATER, CAN BE USED AS A DRY POWDER, CAN BE USED IN GRANULAR FORM OR MAY BE USED IN THE FORM OF FLOC LOGS.
  - (2) HIGHER CONCENTRATIONS OF PAM'S DON'T INCREASE THE EFFECTIVENESS OF THE PRODUCT.
  - (3) ACTIVELY WORKED AREAS WILL REQUIRE REAPPLICATION TO REMAIN EFFECTIVE.
  - (4) PAM SHOULD NOT BE USED WHERE THERE IS A POTENTIAL FOR EQUIPMENT CLOGGING OR TOXICITY IS A CONCERN.

(b) CHEMICAL TREATMENT - ALUM

- PURPOSE: REMOVE SUSPENDED SOLIDS AND POLLUTANTS BY ENMESHMENT AND ABSORPTION INTO ALUM. COLLECT FLOCS OF SUSPENDED SEDIMENTS IN RUNOFF AND STORE THEM IN SEDIMENT BASINS OR STORMWATER MANAGEMENT FACILITIES.
- (1) ALUM IS INJECTED INTO THE FLOW STREAM CONTAINING TURBID WATER. INJECTION IS CONTROLLED BY VARIABLE SPEED CHEMICAL PUMP TO FEED ALUM AT MULTIPLE TREATMENT POINTS. ALUM TREATMENT IS EFFECTIVE IN TREATMENT OF RUNOFF THAT CONTAINS LIMEROCK FROM UNPAVED SURFACES.
  - (2) ALUM TREATMENT REQUIRES CLOSE MONITORING OF DOSAGE. COMBINATION WITH OTHER COMPOUNDS MAY VIOLATE TOXICITY REQUIREMENTS AND THE USE OF ALUM MAY LOWER PH LEVELS.

NOTE: THIS PAY ITEM IS CONSIDERED A CONTRACTOR'S OPTION FOR SEDIMENT CONTROL ISSUES THAT ARE PROJECT/SITE SPECIFIC. NOT TO BE USED IN THE DESIGN PROCESS WITHOUT CONTACTING LARRY RITCHIE IN THE STATE CONSTRUCTION OFFICE.

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(5) DEWATERING OPERATIONS (OPTIONAL - BASED ON PROJECT APPLICABILITY):

DESCRIPTION: DEWATERING OPERATIONS ARE PRACTICES THAT MANAGE THE DISCHARGE OF TURBID WATER WHEN WATERS OTHER THAN STORMWATER AND ACCUMULATED SURFACE WATERS MUST BE REMOVED FROM A LOCATION SO THAT CONSTRUCTION WORK MAY BE ACCOMPLISHED. THESE WATERS CAN INCLUDE GROUNDWATER, WATER FROM COFFERDAMS, WATER DIVERSIONS AND WATERS USED DURING CONSTRUCTION THAT MUST BE REMOVED FROM A WORK AREA.

- (a) ENVIRONMENTAL AGENCIES ARE ESPECIALLY CONCERNED WITH THE PROTECTION OF WETLANDS FROM DRAWDOWN EFFECTS, PROTECTING RECEIVING BODIES FROM SEDIMENTATION AND POSSIBLE CAPACITY LIMITATIONS.
- (b) THREE PRIMARY METHODS OF DEWATERING COMMONLY USED IN FLORIDA ARE RIM-DITCHING, SOCK/PIPE/HORIZONTAL WELLS AND WELL-POINT SYSTEMS.
- (c) METHODS FOR CONTAINING SEDIMENTATION CAN INCLUDE A COMBINATION OF BMP'S AND SEDIMENT TRAPS, SEDIMENT BASINS, GRAVITY BAG FILTERS, WEIR TANKS, DEWATERING TANKS, SAND MEDIA/PRESSURIZED BAGS AND CHEMICAL TREATMENTS.

III. OTHER CONTROLS:

(1) WASTE DISPOSAL:

- (a) THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES.
- (b) ALL FERTILIZER AND CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
- (c) NO SOLID MATERIALS, INCLUDING BUILDING AND CONSTRUCTION MATERIALS, SHALL BE DISCHARGED TO WETLANDS OR BURIED ON SITE.
- (d) ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATIONS.

(2) OFF-SITE VEHICLE TRACKING - WILL BE CONTROLLED BY THE FOLLOWING METHODS:

- (a) LOADED HAUL TRUCKS ARE TO BE COVERED BY A TARPULIN AT ALL TIMES.
- (b) EXCESS DIRT ON ROAD WILL BE REMOVED DAILY.

(3) STATE AND FEDERAL REGULATIONS: PERMITS WILL BE REQUIRED FROM THE FOLLOWING AGENCIES:

ACOE PERMIT NO: N/A  
SWFWMD PERMIT NO: 44029106.001

(4) NON-STORMWATER (INCLUDING SPILL REPORTING):

THE CONTRACTOR WILL PROVIDE THE FDOT WITH AN EROSION AND SEDIMENT CONTROL PLAN THAT WILL INCLUDE SPILL CONTAINMENT, REPORTING, AND RESPONSES. THE PLAN SHALL SPECIFY WHAT MANAGEMENT PRACTICES AND CONTAINMENT METHODS WILL BE USED TO PREVENT POTENTIAL POLLUTANTS (FUEL, LUBRICANTS, HERBICIDES, ETC.) FROM SPILLING ONTO THE SOIL OR INTO THE SURFACE WATERS. IF A SPILL DOES OCCUR, OR IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT RAY NOTTINGHAM, DISTRICT CONTAMINATION IMPACT COORDINATOR AT (863) 519-2515.

IV. MAINTENANCE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF ALL EROSION AND SEDIMENT CONTROL DEVICES AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF SEDIMENT BUILDUP THROUGH THE LIFE OF THE INSTALLED EROSION AND SEDIMENT CONTROL DEVICES.

- (1) ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR AND ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF NOTICE.
- (2) SODDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
- (3) SYNTHETIC BALES SHALL BE MAINTAINED TO ENSURE THEIR USEFULNESS AND NOT BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE.
- (4) STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

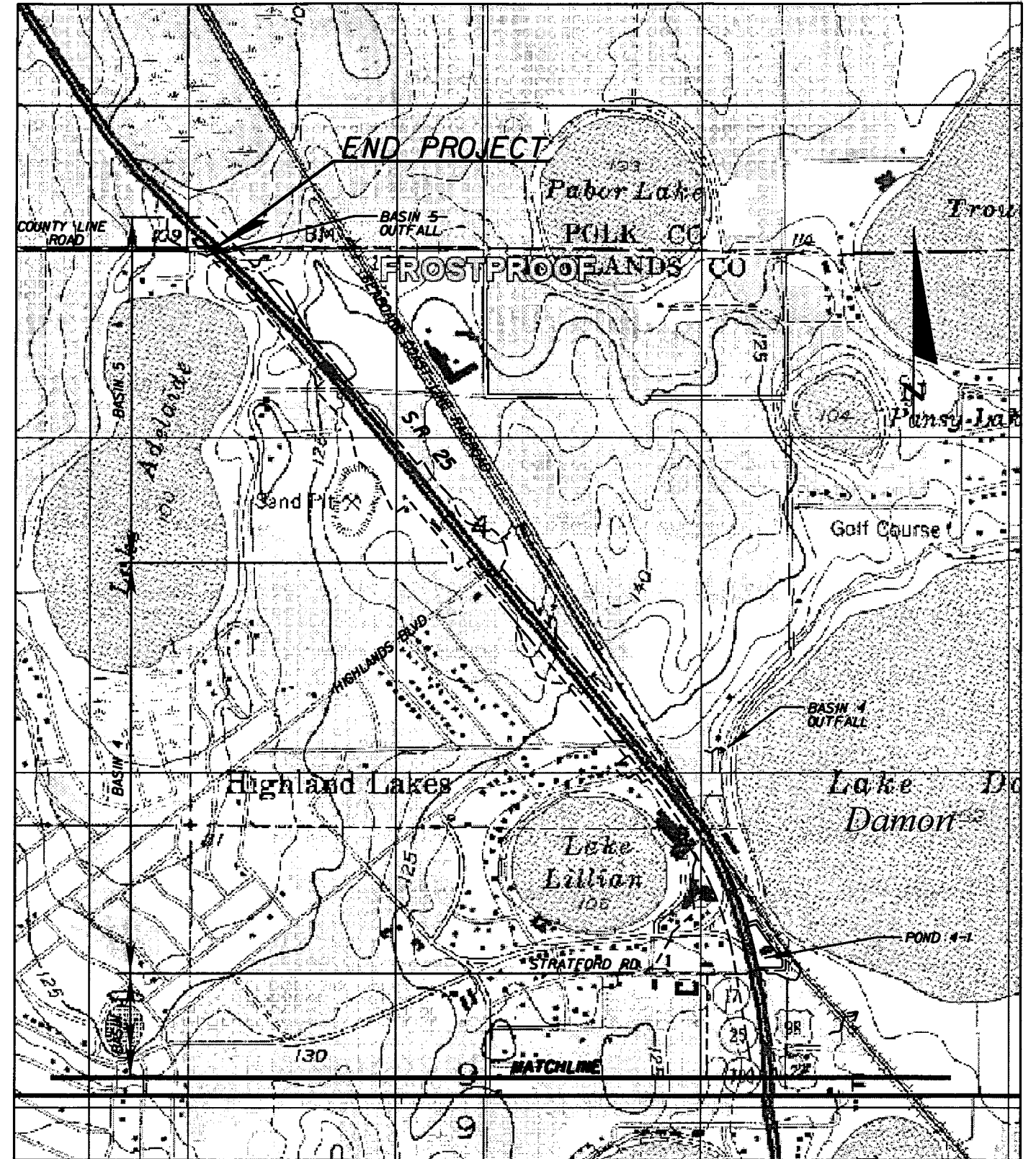
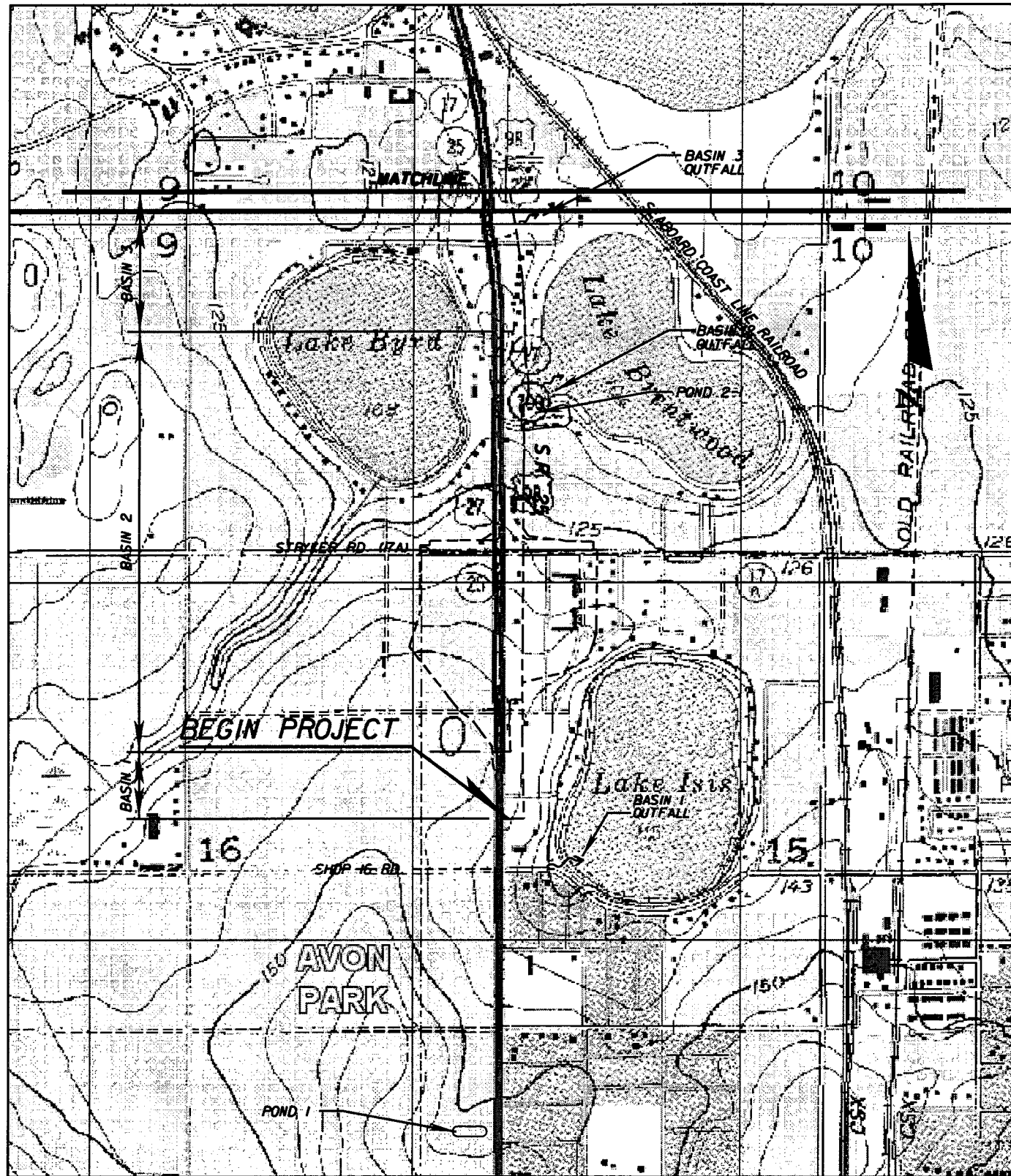
V. INSPECTION:

- (1) THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL IN ACCORDANCE WITH THE NPDES PERMIT.
- (2) ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED DAILY BY CONTRACTOR'S PERSONNEL WHO ARE F.D.E.P. CERTIFIED STORMWATER MANAGEMENT INSPECTORS.
- (3) THE CONTRACTOR SHALL COMPLETE ALL SWPPP INSPECTION REPORT FORMS REQUIRED FOR THE NPDES PERMIT.

VI. TRACKING AND REPORTING:

- (1) THE CONTRACTOR SHALL SUBMIT A WEEKLY REPORT TO THE DEPARTMENT DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE EROSION AND SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS.
- (2) PREPARATION OF ALL THE CONTRACTOR'S REPORTS OF INSPECTION, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION, SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION AND SEDIMENT CONTROL DEVICES OR LUMP SUM COST OF THE PROJECT.
- (3) THE CONTRACTOR SHALL USE THE SWPPP CONSTRUCTION INSPECTION REPORT FORM # 650-040-03, FOR DAILY INSPECTIONS.

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

*Faller, Davis & Associates, Inc.*  
 5525 W. CYPRESS ST. - SUITE 300  
 TAMPA, FLORIDA 33607-1701  
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 DEBORAH L. KNIGHTON, P.E. NO.: 43920

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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25	HIGHLANDS	194485-1-52-01

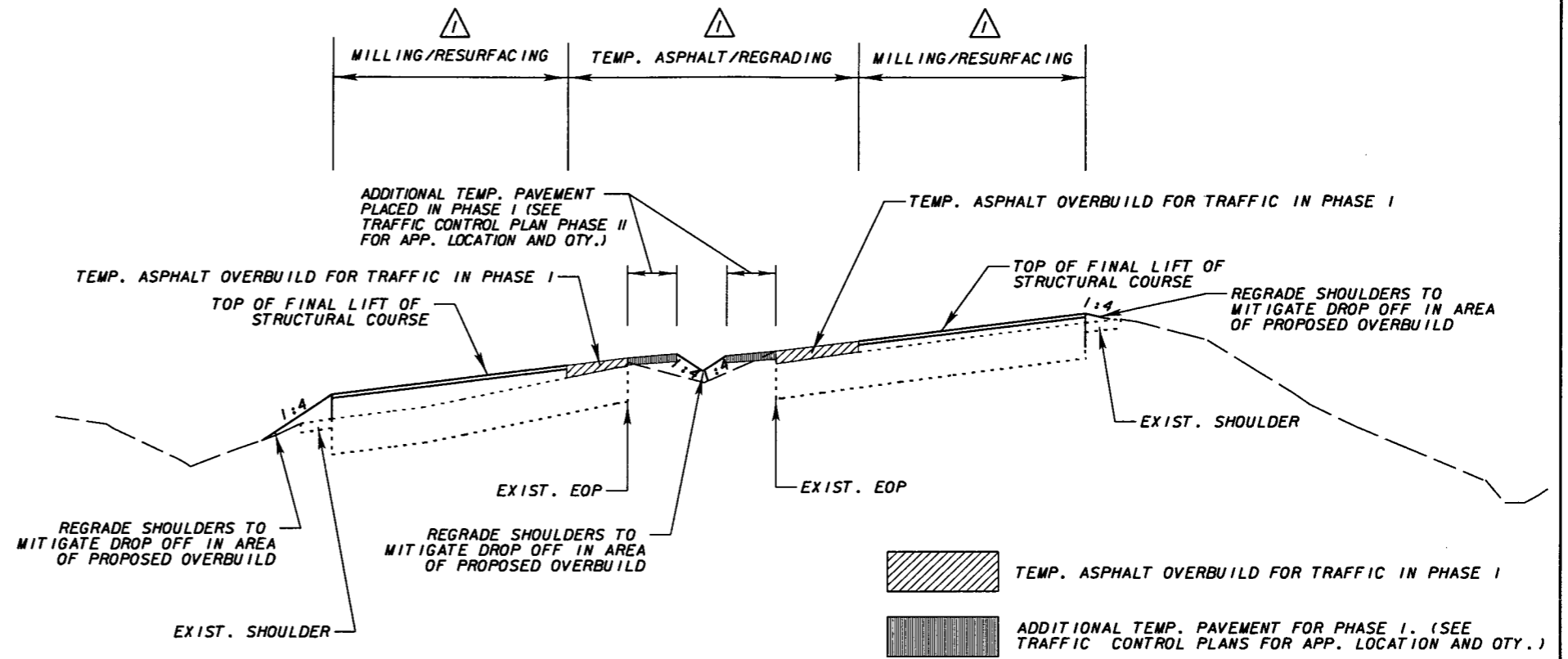
**STORM WATER POLLUTION  
PREVENTION PLAN**

SHEET NO.  
233

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.

GENERAL NOTES FOR TRAFFIC CONTROL PLAN

1. A TRAFFIC CONTROL OFFICER SHALL BE UTILIZED WHENEVER CONSTRUCTION ACTIVITY INTERRUPTS THE SIGNAL FUNCTIONS AND OTHER TIMES WHEN TRAFFIC FLOW RESTRICTIONS WARRANT AS DIRECTED BY THE ENGINEER.
2. PORTIONS OF THE INDICATED PHASES CAN BE WORKED CONCURRENTLY WITH THE APPROVAL OF THE ENGINEER.
3. CONSULT INDEX NUMBERS 600, 619 AND OTHER INDEXES AS APPLICABLE FOR MAINTAINING TRAFFIC.
4. TEMPORARY RAISED PAVEMENT MARKERS ARE TO BE PLACED ON STRUCTURAL COURSE LAYERS AT THE END OF EACH DAY IN ADDITION TO TEMPORARY STRIPING.
5. LANE CLOSURE RESTRICTIONS:  
 OPEN ROAD : NONE  
 600' FROM SIGNALIZED INTERSECTION:  
 NO CLOSURES ALLOWED NB 7:30 A.M. - 7:30 P.M.  
 NO CLOSURES ALLOWED SB 7:30 A.M. - 7:30 P.M.
6. THE CONTRACTOR SHALL, AT THE DISCRETION OF THE ENGINEER, OPEN ANY TEMPORARY LANE CLOSURE CAUSING EXTENDED TRAFFIC CONGESTION (15 MINUTE DELAY) UNTIL TRAFFIC HAS RETURNED TO AN ACCEPTABLE FLOW AS DETERMINED BY THE ENGINEER.
7. ALL DEVICES NECESSARY FOR TRAFFIC CONTROL (INCLUDING TEMP. PAVEMENT NOT INCLUDED FOR PAYMENT UNDER OTHER PAY ITEM NUMBERS ARE PAID FOR UNDER PAY ITEM NO. 102-1, MAINTENANCE OF TRAFFIC. ANY ADDITIONAL COSTS FOR FILL MATERIAL AND REGRADING NECESSARY TO ADDRESS DROPOFFS DUE TO OVERBUILD OPERATIONS WILL ALSO BE INCLUDED UNDER THIS ITEM.
8. THE CONTRACTOR SHALL NOTIFY HIGHLANDS COUNTY TRAFFIC ENGINEERING DIVISION (TELEPHONE 863-402-6877) 48 HOURS PRIOR TO ANY MODIFICATION AND/OR CHANGES OF THE EXISTING TRAFFIC SIGNAL.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN THE EXISTING LIGHTING SYSTEM DURING ALL PHASES OF CONSTRUCTION OR UNTIL THE PROPOSED LIGHTING SYSTEM IS FULLY OPERATIONAL AND FUNCTIONAL. THE COST OF ANY MATERIALS, LABOR, OR TEMPORARY LIGHTING ASSOCIATED WITH MAINTAINING THE EXISTING LIGHTING SYSTEM WILL BE INCLUDED IN PAY ITEM NUMBER 102-1, MAINTENANCE OF TRAFFIC (LUMP SUM).
10. THE PROJECT INFORMATION SIGNS SHALL BE PROVIDED BY THE CONTRACTOR AND WILL BE INCLUDED IN PAY ITEM NUMBER 102-1, MAINTENANCE OF TRAFFIC (LUMP SUM).



PHASE I TEMPORARY ASPHALT DETAIL

NOTE: LOCATIONS SHOWN IN TABLE ARE APPROXIMATE LOCATIONS WHERE TEMPORARY ASPHALT OVERBUILD MAY BE NEEDED. THIS APPROXIMATE QUANTITY IS BASED ON A VARIABLE DEPTH OF OVERBUILD.

TEMPORARY ASPHALT OVERBUILD TRAFFIC CONTROL PLAN	
NORTHBOUND	APPROXIMATE QUANTITY (TN)
1058+00 - 1060+00	27.3
1072+00 - 1072+50	1.5
1095+00 - 1096+00	6.4
1117+00 - 1118+00	21.8
1128+00 - 1132+00	100.4
1141+00 - 1142+00	18.4
1147+00 - 1148+00	5.4
SOUTHBOUND	APPROXIMATE QUANTITY (TN)
1059+00 - 1060+00	13.9
1098+00 - 1098+50	4.4
1126+00 - 1132+00	73.4

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
05/11/11	BDM	△ MODIFIED NOTES FOR CLARIFICATION			

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**TRAFFIC CONTROL PLAN**

SHEET NO.  
234



**PHASE I - ROADWAY**

THE INTENT OF PHASE I IS TO INSTALL DRAINAGE LATERALS, DRAINAGE STRUCTURES AND TRUNK LINES LEADING TO PONDS. CONST. TEMP PAVEMENT AND MILL & RESURFACE THE EXISTING PAVEMENT IN THE NORTHBOUND AND SOUTHBOUND DIRECTIONS INCLUDING THE OVERBUILD AND UP TO THE STRUCTURAL COURSE.

1. INSTALL BEGIN, END, & SIDE STREET CONSTRUCTION SIGNS AS INDICATED IN THE PLANS. ALSO, INSTALL SPEED LIMIT AND SPEED LIMIT REDUCTION SIGNS PER SIGNING PLANS. SIGNS WILL REQUIRE RELOCATING BETWEEN PHASES.
2. INSTALL ALL LATERALS BY CUT AND FILL METHOD. ALL LATERALS SHALL BE CAPPED ONCE INSTALLED. CONSTRUCT POND AT STATION 1032+65.00 LT. CONSTRUCT TRUNK LINE LATERALS AT STATION 1032+59.00 AND 1032+67.00, FROM S-101 TO S-102 AND S-103 TO S-104, RESPECTIVELY. AFTER FINAL INSTALLING LATERALS AT STATION 1032+59.00 AND 1032+67.00 CONSTRUCT ROAD UP TO AND INCLUDING FRICTION COURSE AND APPLY PAVEMENT MARKINGS AND RPM'S IN ACCORDANCE WITH STRIPING PLANS AND STANDARD INDEX NOS. 600, 603, 604, AND 605. CONSTRUCT TRUNK LINE LATERAL AT STATION 1089+00.00 FROM DBI (S-219) TO DBI (S-220), TRUNK LINE LATERAL AT STATION 1121+00.00 FROM CURB INLET (S-402) TO MH (S-403) TO MES (S-404) AND TRUNK LINE LATERAL AT STATION 1123+50.00 FROM CURB INLET (S-412) TO DBI (S-411) TO MES (S-409). PLACE STEEL PLATE OVER DBI'S. SHIFT TRAFFIC TO EXISTING OUTSIDE LANES. MILL, RESURFACE, AND OVERBUILD NORTHBOUND AND SOUTHBOUND INSIDE LANES UP TO AND INCLUDING THE STRUCTURAL COURSE. REMOVE MEDIAN CURB AND CONST. TEMP PAVT. STANDARD INDEX NOS. 600, 612, 613, 619, & 630 SHALL BE UTILIZED FOR PHASE I MOT OPERATIONS. SEE GENERAL NOTES SHEET FOR ALLOWABLE LANE CLOSURE HOURS WITHIN 600 FT OF A SIGNALIZED INTERSECTION. ONE LANE MUST BE PROVIDED AT ALL TIMES. UTILIZE STANDARD INDEX 600, SHEET 10 OF 13 FOR DROP OFF IN WORK ZONES.
3. ONCE INSIDE LANES ARE MILLED AND RESURFACED, SHIFT TRAFFIC TO THE INSIDE LANES AND MILL, RESURFACE, AND OVERBUILD NORTHBOUND AND SOUTHBOUND OUTSIDE LANES UP TO AND INCLUDING THE STRUCTURAL COURSE. IN LOCATIONS WHERE PROPOSED OVERBUILD WILL PRODUCE A DROP OFF TO EXIST. SHOULDER, CONTRACTOR SHALL REGRADE SHOULDER TO MITIGATE DROP OFF ON BOTH SIDES OF ROADWAY WHERE DROP OFF OCCURS. REGRADING IS NEEDED IN THESE LOCATIONS BECAUSE THE AMOUNT OF OVERBUILD CAUSES THE TOP OF THE NEW RESURFACED STRUCTURAL COURSE TO BE A CONSIDERABLE AMOUNT HIGHER THAN THE EXISTING SHOULDER. TEMPORARY ASPHALT WILL BE NEEDED IN SEVERAL LOCATIONS THAT ARE INDICATED IN THE GENERAL NOTES SHEET. THIS ASPHALT IS NEEDED BECAUSE RESURFACING SHALL BE PLACED UP TO THE EXISTING INSIDE EDGE OF PAVEMENT. IT IS TEMPORARY BECAUSE IT WILL ONLY BE USED UP UNTIL PHASE III WHEN THE CONTRACTOR WILL HAVE TO REMOVE ASPHALT IN AREAS THAT ARE INDICATED IN THE PLANS. STANDARD INDEX NOS. 600, 612, 613, 619, AND 630 SHALL BE UTILIZED FOR PHASE I MOT OPERATIONS. SEE GENERAL NOTES SHEET FOR ALLOWABLE LANE CLOSURES WITHIN 600 FT OF A SIGNALIZED INTERSECTION. ONE LANE MUST BE PROVIDED AT ALL TIMES. UTILIZE STANDARD INDEX 600 SHEET 10 OF 13 FOR DROP OFF IN WORK ZONES.
4. ONCE THE NORTHBOUND AND SOUTHBOUND LANES ARE MILLED AND RESURFACED, LANES SHALL BE STRIPED AND TRAFFIC SHIFTED IN ACCORDANCE WITH THE PHASE II TYPICAL.

**PHASE II - ROADWAY**

THE INTENT OF PHASE II IS TO WIDEN THE OUTSIDE NORTHBOUND AND SOUTHBOUND TRAVEL LANES. PLACE DRAINAGE STRUCTURES, DRAINAGE PIPE, AND CONSTRUCT PONDS, CURB AND GUTTER AND SIDEWALK, SIGNALIZATION AND LIGHTING.

1. PLACE WORK ZONE SIGNING AND BARRICADES AS INDICATED IN THE PLANS AND PHASE II TYPICAL.
2. WIDEN OUTSIDE NORTHBOUND AND SOUTHBOUND TRAVEL LANES, CONSTRUCT PONDS FIRST THEN PLACE LIGHTING, SIGNALIZATION, PLACE DRAINAGE STRUCTURES, DRAINAGE PIPE, CONSTRUCT DITCHES, CURB AND GUTTER AND SIDEWALK AS INDICATED IN THE PLANS. STANDARD INDEX NOS. 600, 611, 612, AND 613 SHALL BE UTILIZED FOR PHASE II MOT OPERATIONS. UTILIZE STANDARD INDEX 600 10 OF 13 FOR DROP OFF IN WORK ZONES.
3. REMOVE EXISTING STRIPING INCLUDING GORE AREA ON NORTHBOUND LANES NORTH OF LAKE ISIS AVE., RESTRIPE LANES AND SHIFT TRAFFIC TO COINCIDE WITH THE RESTRIPE PER THE PHASE III TYPICAL.

**PHASE III - ROADWAY**

THE INTENT OF PHASE III IS TO WIDEN THE INSIDE NORTHBOUND AND SOUTHBOUND TRAVEL LANES, PLACE DRAINAGE STRUCTURES, DRAINAGE PIPE, AND CONSTRUCT CURB AND GUTTER AND MEDIAN.

1. PLACE WORK ZONE SIGNING AND BARRICADES AS INDICATED IN THE PLANS AND PHASE III TYPICAL.
2. WIDEN INSIDE NORTHBOUND AND SOUTHBOUND TRAVEL LANES, PLACE DRAINAGE STRUCTURES, DRAINAGE PIPE AND CONSTRUCT CURB AND GUTTER AND SIDEWALK AS INDICATED IN THE PLANS. STANDARD INDEX NOS. 600, 611, 612, AND 613 SHOULD BE UTILIZED FOR PHASE III MOT OPERATIONS. UTILIZE STANDARD INDEX 600 SHEET 10 OF 13 FOR DROP OFF IN WORK ZONES.

**PHASE IV - ROADWAY**

THE INTENT OF PHASE IV IS TO MILL A PORTION OF EXISTING SR 25 (US 27) SOUTH OF WHERE THE PROJECT BEGINS, PLACE FRICTION COURSE AND APPLY FINAL MARKINGS.

1. MILL ALL NORTHBOUND THROUGH LANES FROM STA. 1047+00 TO STA. 1056+20 (BEGIN PROJECT) INCLUDING LEFT TURN LANE ON TO SHOP RD. TO A DEPTH THAT MATCHES THE TOP OF THE STRUCTURAL COURSE PLACED IN PREVIOUS PHASES.
2. PLACE FRICTION COURSE, AND APPLY PAVEMENT MARKINGS AND RPM'S IN ACCORDANCE WITH STRIPING PLANS AND STANDARD INDEX NOS. 600, 613, 619, AND 630 FOR ENTIRE PROJECT EXCEPT STRYKER RD.

**PHASE I - STRYKER RD.**

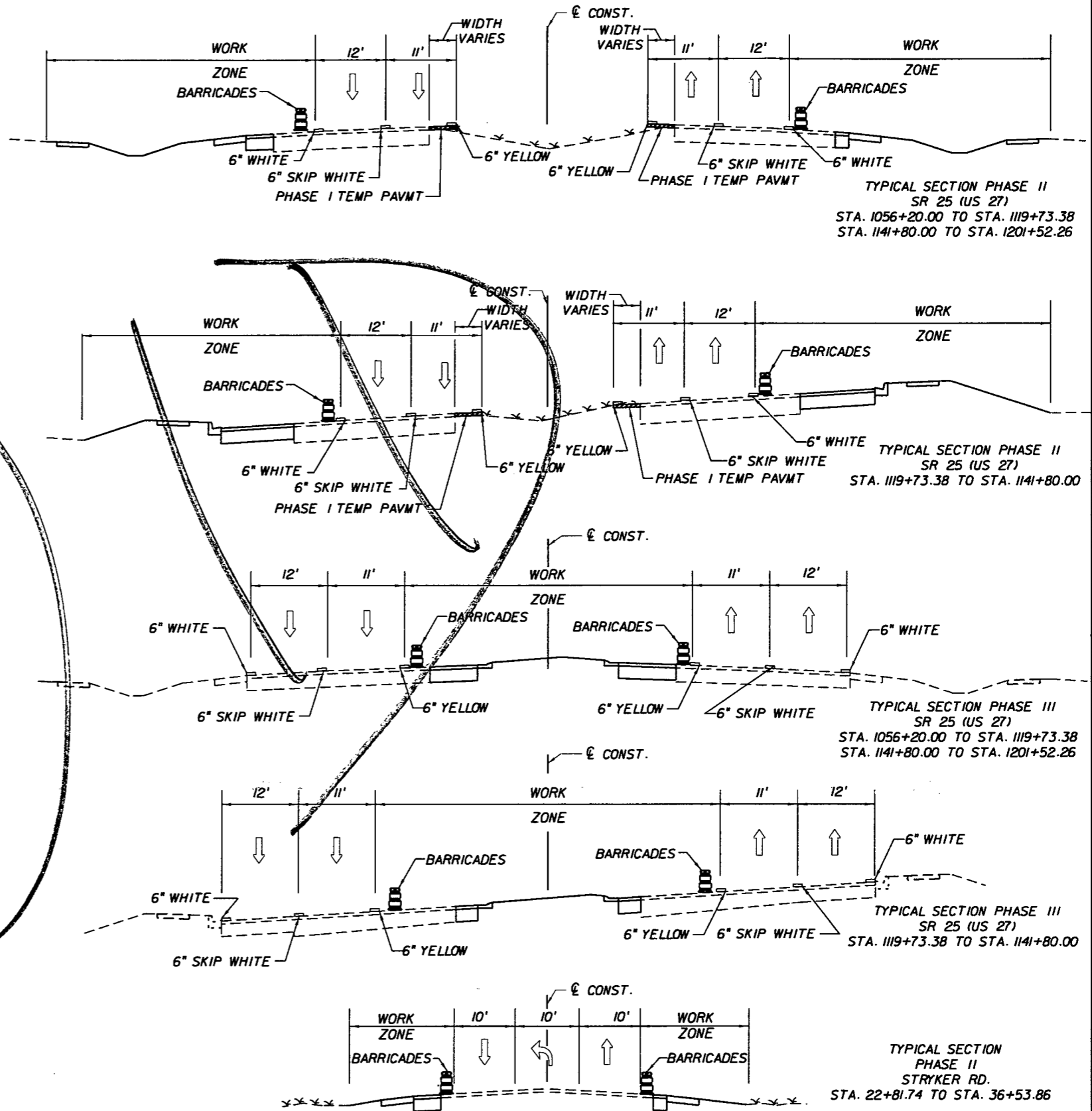
1. INSTALL BEGIN, END, & SIDE STREET CONSTRUCTION SIGNS AS INDICATED IN THE PLANS.
2. INSTALL LATERAL AT STATION 28+80 FROM DBI (S-211) TO DBI (S-212) BY CUT AND FILL METHODS. MILL, RESURFACE, AND OVERBUILD EASTBOUND AND WESTBOUND LANES UP TO AND INCLUDING THE STRUCTURAL COURSE. CONTRACTOR SHALL REGRADE SHOULDER TO MITIGATE DROP OFF ON ROADWAY WHERE DROP OFF OCCURS. REGRADING IS NEEDED IN THESE LOCATIONS BECAUSE THE AMOUNT OF OVERBUILD CAUSES THE TOP OF THE NEW RESURFACED STRUCTURAL COURSE TO BE A CONSIDERABLE AMOUNT HIGHER THAN THE EXISTING SHOULDER. INDICES 600, 601, 602, 603, AND 604 FOR PHASE I MOT OPERATIONS. SEE GENERAL NOTES SHEET FOR LANE CLOSURES WITHIN 600' OF A SIGNALIZED INTERSECTION. UTILIZE STANDARD INDEX 600, SHEET 10 OF 13 FOR DROP OFF IN WORK ZONES.
3. ONCE THE EASTBOUND AND WESTBOUND LANES ARE MILLED AND RESURFACED, LANES SHALL BE STRIPED AND TRAFFIC SHIFTED IN ACCORDANCE WITH THE PHASE II TYPICAL.

**PHASE II - STRYKER RD.**

1. PLACE WORK ZONE SIGNING AND BARRICADES AS INDICATED IN THE PLANS AND PHASE II TYPICAL.
2. REMOVE TEMPORARY SHOULDER AND WIDEN THE OUTSIDE EASTBOUND AND WESTBOUND LANES AS INDICATED IN THE PLANS. INSTALL DRAINAGE STRUCTURES AND DRAINAGE PIPE. UTILIZE STANDARD INDEX 600, 601, AND 602 FOR PHASE II MOT OPERATIONS. UTILIZE STANDARD INDEX 600, SHEET 10 OF 13 FOR DROP OFF IN WORK ZONES.

**PHASE III - STRYKER RD.**

1. PLACE FRICTION COURSE, AND APPLY PAVEMENT MARKINGS AND RPM'S IN ACCORDANCE WITH STRIPING PLANS AND STANDARD INDEX NOS. 600, 603, 604, AND 605.



**REVISIONS**

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**STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**TRAFFIC CONTROL PLAN**

SHEET NO. 235

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6015-23.003, F.A.C.

**PHASE I - ROADWAY**

THE INTENT OF PHASE I IS TO INSTALL DRAINAGE LATERALS, DRAINAGE STRUCTURES AND TRUNK LINES LEADING TO PONDS. CONST. TEMP PAVEMENT AND MILL & RESURFACE THE EXISTING PAVEMENT IN THE NORTHBOUND AND SOUTHBOUND DIRECTIONS INCLUDING THE OVERBUILD AND UP TO THE STRUCTURAL COURSE.

1. INSTALL BEGIN, END, & SIDE STREET CONSTRUCTION SIGNS AS INDICATED IN THE PLANS. ALSO, INSTALL SPEED LIMIT AND SPEED LIMIT REDUCTION SIGNS PER SIGNING PLANS. SIGNS WILL REQUIRE RELOCATING BETWEEN PHASES.
2. INSTALL ALL LATERALS BY CUT AND FILL METHOD. ALL LATERALS SHALL BE CAPPED ONCE INSTALLED. CONSTRUCT POND AT STATION 1032+65.00 LT. CONSTRUCT TRUNK LINE LATERALS AT STATION 1032+59.00 AND 1032+67.00, FROM S-101 TO S-102 AND S-103 TO S-104, RESPECTIVELY. AFTER FINAL INSTALLING LATERALS AT STATION 1032+59.00 AND 1032+67.00 CONSTRUCT ROAD UP TO AND INCLUDING FRICTION COURSE AND APPLY PAVEMENT MARKINGS AND RPM'S IN ACCORDANCE WITH STRIPING PLANS AND STANDARD INDEX NOS. 600, 603, 604, AND 605. CONSTRUCT TRUNK LINE LATERAL AT STATION 1089+00.00 FROM DBI (S-219) TO DBI (S-220), TRUNK LINE LATERAL AT STATION 1121+00.00 FROM CURB INLET (S-402) TO MH (S-403) TO MES (S-404) AND TRUNK LINE LATERAL AT STATION 1123+50.00 FROM CURB INLET (S-412) TO DBI (S-411) TO MES (S-409). PLACE STEEL PLATE OVER DBI'S. SHIFT TRAFFIC TO EXISTING OUTSIDE LANES. MILL, RESURFACE, AND OVERBUILD NORTHBOUND AND SOUTHBOUND INSIDE LANES UP TO AND INCLUDING THE STRUCTURAL COURSE. REMOVE MEDIAN CURB AND CONST. TEMP PAVMT. STANDARD INDEX NOS. 600, 612, 613, 619, & 630 SHALL BE UTILIZED FOR PHASE I MOT OPERATIONS. SEE GENERAL NOTES SHEET FOR ALLOWABLE LANE CLOSURE HOURS WITHIN 600 FT OF A SIGNALIZED INTERSECTION. ONE LANE MUST BE PROVIDED AT ALL TIMES. UTILIZE STANDARD INDEX 600, SHEET 10 OF 13 FOR DROP OFF IN WORK ZONES.
3. ONCE INSIDE LANES ARE MILLED AND RESURFACED, SHIFT TRAFFIC TO THE INSIDE LANES AND MILL, RESURFACE, AND OVERBUILD NORTHBOUND AND SOUTHBOUND OUTSIDE LANES UP TO AND INCLUDING THE STRUCTURAL COURSE. IN LOCATIONS WHERE PROPOSED OVERBUILD WILL PRODUCE A DROP OFF TO EXIST. SHOULDER, CONTRACTOR SHALL REGRADE SHOULDER TO MITIGATE DROP OFF ON BOTH SIDES OF ROADWAY WHERE DROP OFF OCCURS. REGRADING IS NEEDED IN THESE LOCATIONS BECAUSE THE AMOUNT OF OVERBUILD CAUSES THE TOP OF THE NEW RESURFACED STRUCTURAL COURSE TO BE A CONSIDERABLE AMOUNT HIGHER THAN THE EXISTING SHOULDER. TEMPORARY ASPHALT WILL BE NEEDED IN SEVERAL LOCATIONS THAT ARE INDICATED IN THE GENERAL NOTES SHEET. THIS ASPHALT IS NEEDED BECAUSE RESURFACING SHALL BE PLACED UP TO THE EXISTING INSIDE EDGE OF PAVEMENT. IT IS TEMPORARY BECAUSE IT WILL ONLY BE USED UP UNTIL PHASE III WHEN THE CONTRACTOR WILL HAVE TO REMOVE ASPHALT IN AREAS THAT ARE INDICATED IN THE PLANS. STANDARD INDEX NOS. 600, 612, 613, 619, AND 630 SHALL BE UTILIZED FOR PHASE I MOT OPERATIONS. SEE GENERAL NOTES SHEET FOR ALLOWABLE LANE CLOSURES WITHIN 600 FT OF A SIGNALIZED INTERSECTION. ONE LANE MUST BE PROVIDED AT ALL TIMES. UTILIZE STANDARD INDEX 600 SHEET 10 OF 13 FOR DROP OFF IN WORK ZONES.
4. ONCE THE NORTHBOUND AND SOUTHBOUND LANES ARE MILLED AND RESURFACED, LANES SHALL BE STRIPED AND TRAFFIC SHIFTED IN ACCORDANCE WITH THE PHASE II TYPICAL.

**PHASE II - ROADWAY**

THE INTENT OF PHASE II IS TO WIDEN THE OUTSIDE NORTHBOUND AND SOUTHBOUND TRAVEL LANES. PLACE DRAINAGE STRUCTURES, DRAINAGE PIPE, AND CONSTRUCT PONDS, CURB AND GUTTER AND SIDEWALK, SIGNALIZATION AND LIGHTING.

1. PLACE WORK ZONE SIGNING AND BARRICADES AS INDICATED IN THE PLANS AND PHASE II TYPICAL.
2. WIDEN OUTSIDE NORTHBOUND AND SOUTHBOUND TRAVEL LANES, CONSTRUCT PONDS FIRST THEN PLACE LIGHTING, SIGNALIZATION, PLACE DRAINAGE STRUCTURES, DRAINAGE PIPE, CONSTRUCT DITCHES, CURB AND GUTTER AND SIDEWALK AS INDICATED IN THE PLANS. STANDARD INDEX NOS. 600, 611, 612 AND 613 SHALL BE UTILIZED FOR PHASE II MOT OPERATIONS. UTILIZE STANDARD INDEX 600 10 OF 13 FOR DROP OFF IN WORK ZONES.
3. REMOVE EXISTING STRIPING INCLUDING GORE AREA ON NORTHBOUND LANES NORTH OF LAKE ISIS AVE., RESTRIPE LANES AND SHIFT TRAFFIC TO COINCIDE WITH THE RESTRIPE PER THE PHASE II TYPICAL.
4. AVON BLVD. N. TIE-IN TO BE CONSTRUCTED AFTER AVON BLVD. S. IS COMPLETE. ONCE AVON BLVD. S. IS COMPLETE, AVON BLVD. N. IS TO BE CLOSED IN ORDER TO COMPLETE TIE-IN AND REMOVE EXISTING PAVEMENT. CONTRACTOR SHALL DIRECT TRAFFIC ONTO AVON BLVD. S. FOR SOUTHBOUND TRAFFIC THAT WOULD NORMALLY TURN ONTO AVON BLVD. N. AVON BLVD. N. SHALL BE RE-OPENED UPON COMPLETION OF TIE-IN WORK.

**PHASE III - ROADWAY**

THE INTENT OF PHASE III IS TO WIDEN THE INSIDE NORTHBOUND AND SOUTHBOUND TRAVEL LANES, PLACE DRAINAGE STRUCTURES, DRAINAGE PIPE, AND CONSTRUCT CURB AND GUTTER AND MEDIAN.

1. PLACE WORK ZONE SIGNING AND BARRICADES AS INDICATED IN THE PLANS AND PHASE III TYPICAL.
2. WIDEN INSIDE NORTHBOUND AND SOUTHBOUND TRAVEL LANES, PLACE DRAINAGE STRUCTURES, DRAINAGE PIPE AND CONSTRUCT CURB AND GUTTER AND SIDEWALK AS INDICATED IN THE PLANS. STANDARD INDEX NOS. 600, 611, 612, AND 613 SHOULD BE UTILIZED FOR PHASE III MOT OPERATIONS. UTILIZE STANDARD INDEX 600 SHEET 10 OF 13 FOR DROP OFF IN WORK ZONES.

**PHASE IV - ROADWAY**

THE INTENT OF PHASE IV IS TO MILL A PORTION OF EXISTING SR 25 (US 27) SOUTH OF WHERE THE PROJECT BEGINS, PLACE FRICTION COURSE AND APPLY FINAL MARKINGS.

1. MILL ALL NORTHBOUND THROUGH LANES FROM STA. 1047+00 TO STA. 1056+20 (BEGIN PROJECT) INCLUDING LEFT TURN LANE ON TO SHOP RD. TO A DEPTH THAT MATCHES THE TOP OF THE STRUCTURAL COURSE PLACED IN PREVIOUS PHASES.
2. PLACE FRICTION COURSE, AND APPLY PAVEMENT MARKINGS AND RPM'S IN ACCORDANCE WITH STRIPING PLANS AND STANDARD INDEX NOS. 600, 613, 619, AND 630 FOR ENTIRE PROJECT EXCEPT STRYKER RD.

**PHASE I - STRYKER RD.**

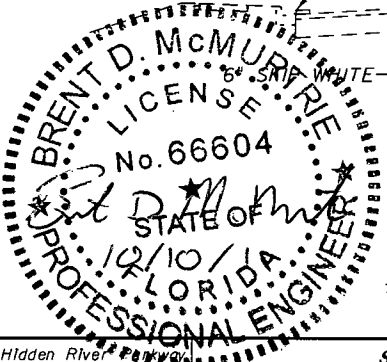
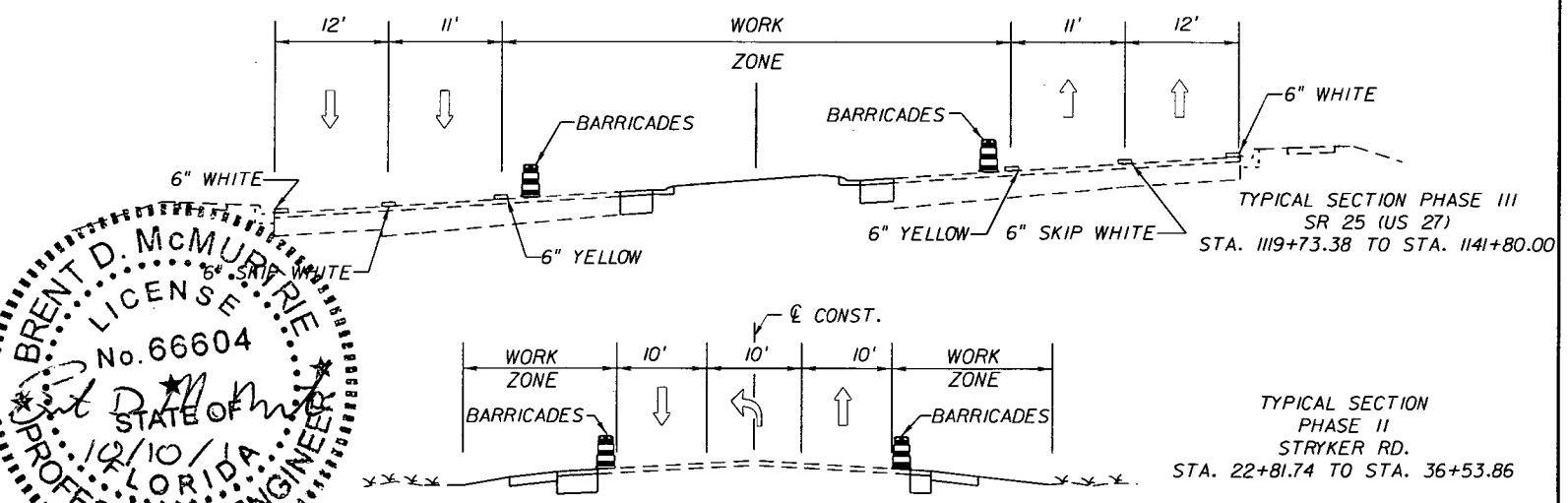
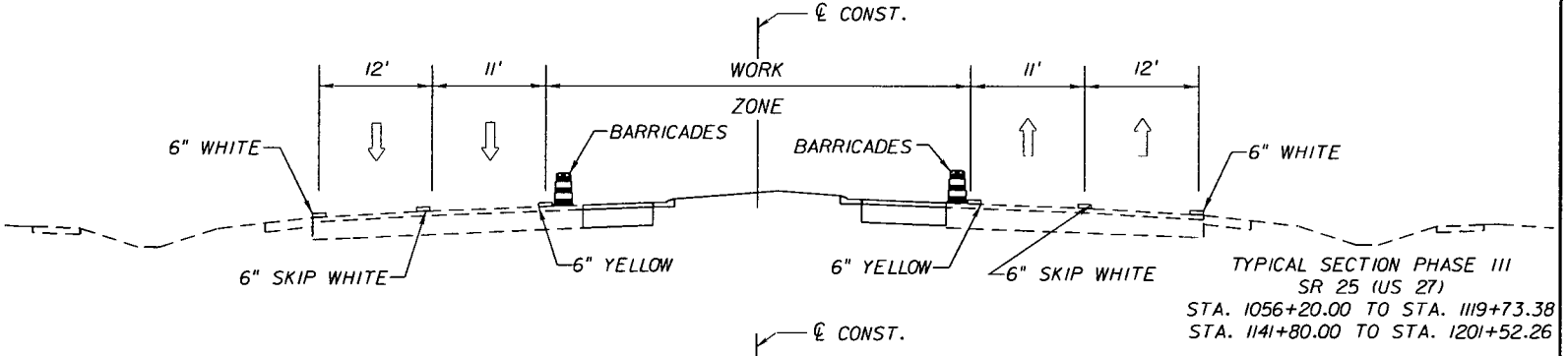
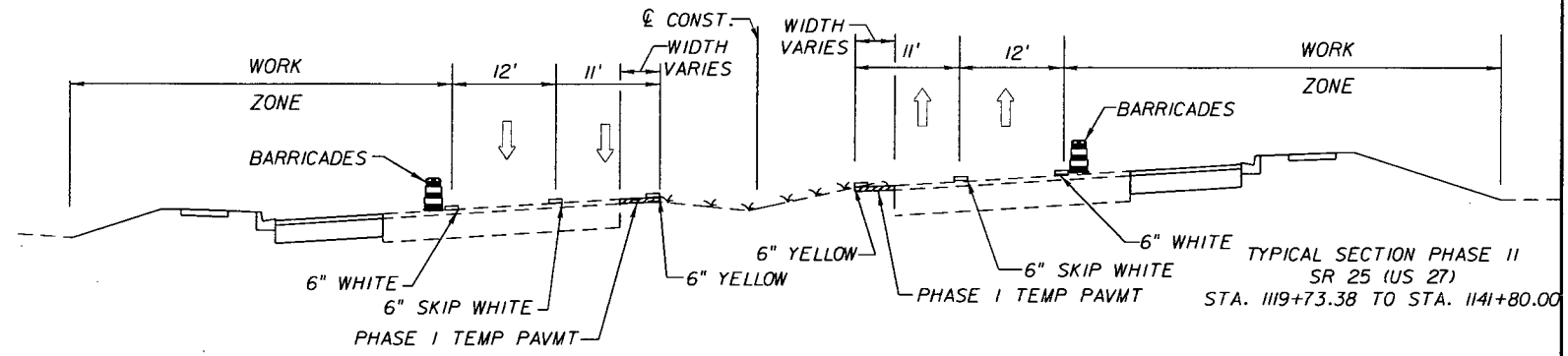
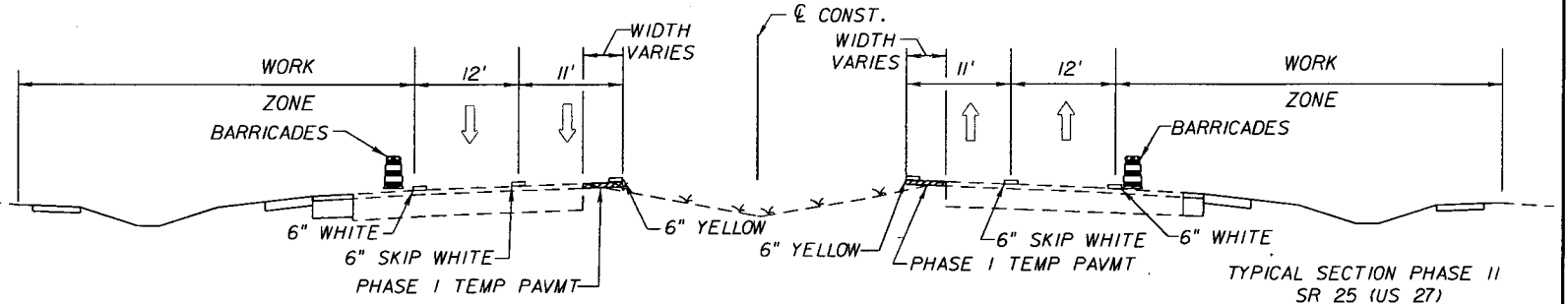
1. INSTALL BEGIN, END, & SIDE STREET CONSTRUCTION SIGNS AS INDICATED IN THE PLANS.
2. INSTALL LATERAL AT STATION 28+80 FROM DBI (S-211) TO DBI (S-212) BY CUT AND FILL METHODS. MILL, RESURFACE, AND OVERBUILD EASTBOUND AND WESTBOUND LANES UP TO AND INCLUDING THE STRUCTURAL COURSE. CONTRACTOR SHALL REGRADE SHOULDER TO MITIGATE DROP OFF ON ROADWAY WHERE DROP OFF OCCURS. REGRADING IS NEEDED IN THESE LOCATIONS BECAUSE THE AMOUNT OF OVERBUILD CAUSES THE TOP OF THE NEW RESURFACED STRUCTURAL COURSE TO BE A CONSIDERABLE AMOUNT HIGHER THAN THE EXISTING SHOULDER. INDICES 600, 601, 602, 603, AND 604 FOR PHASE I MOT OPERATIONS. SEE GENERAL NOTES SHEET FOR LANE CLOSURES WITHIN 600' OF A SIGNALIZED INTERSECTION. UTILIZE STANDARD INDEX 600, SHEET 10 OF 13 FOR DROP OFF IN WORK ZONES.
3. ONCE THE EASTBOUND AND WESTBOUND LANES ARE MILLED AND RESURFACED, LANES SHALL BE STRIPED AND TRAFFIC SHIFTED IN ACCORDANCE WITH THE PHASE II TYPICAL.

**PHASE II - STRYKER RD.**

1. PLACE WORK ZONE SIGNING AND BARRICADES AS INDICATED IN THE PLANS AND PHASE II TYPICAL.
2. REMOVE TEMPORARY SHOULDER AND WIDEN THE OUTSIDE EASTBOUND AND WESTBOUND LANES AS INDICATED IN THE PLANS. INSTALL DRAINAGE STRUCTURES AND DRAINAGE PIPE. UTILIZE STANDARD INDEX 600, 601, AND 602 FOR PHASE II MOT OPERATIONS. UTILIZE STANDARD INDEX 600, SHEET 10 OF 13 FOR DROP OFF IN WORK ZONES.

**PHASE III - STRYKER RD.**

1. PLACE FRICTION COURSE, AND APPLY PAVEMENT MARKINGS AND RPM'S IN ACCORDANCE WITH STRIPING PLANS AND STANDARD INDEX NOS. 600, 603, 604, AND 605.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
10/07/11	BDM	ADD PHASE II NOTE 4			

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 P.E. NO. 66604

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

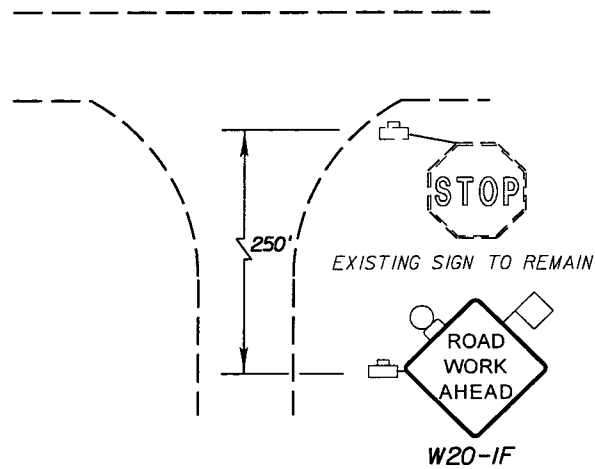
**TRAFFIC CONTROL PLAN**

SHEET NO. 235

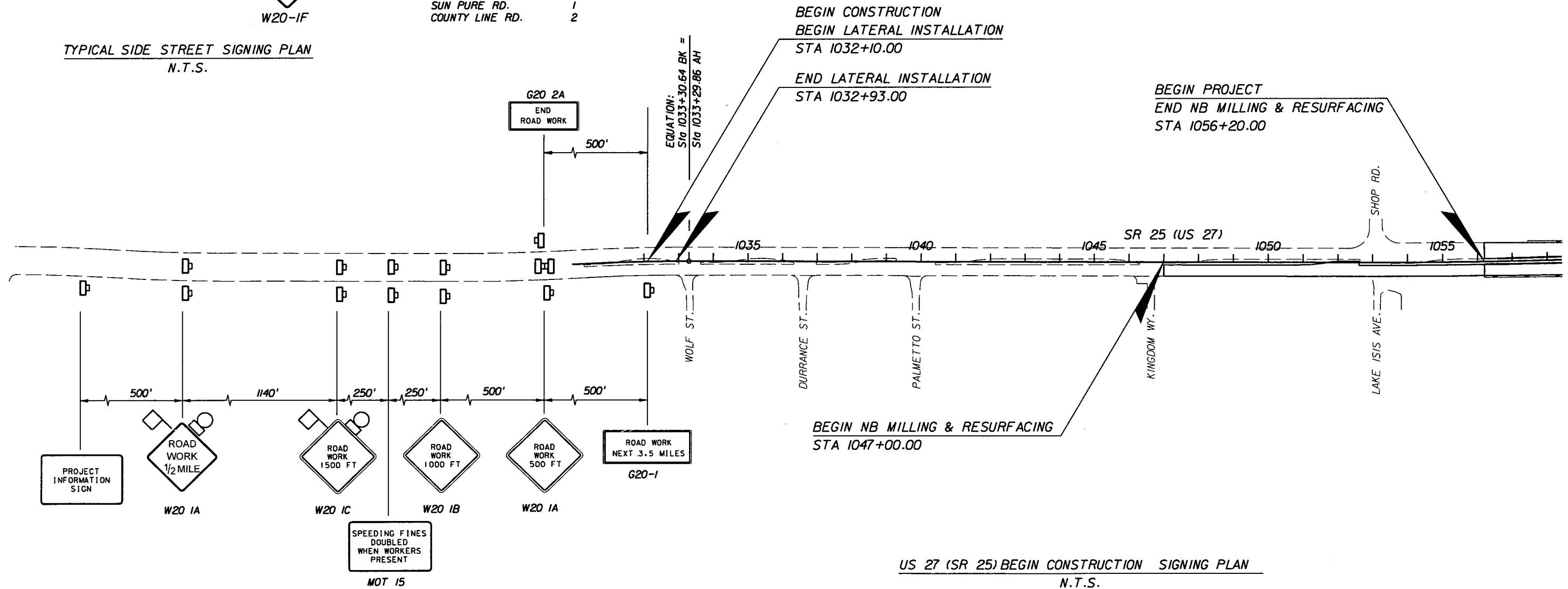
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**SIDE STREET SIGNING QUANTITIES**

ROAD	NO. SIGNS
WOLF ST.	1
DURRANCE ST.	1
PALMETTO ST.	1
KINGDOM WY.	1
SHOP RD.	1
LAKE ISIS AVE.	1
ROYAL DR.	1
LAKE BYRD BLVD.	1
LAKE BYRD BLVD.	2
STRATFORD RD.	1
AVON BLVD.	2
LAKE DAMON RD.	1
LAKE LILLIAN DR.	1
ALLAMANDA BLVD.	1
HIGHLAND BLVD.	1
SUN PURE RD.	1
COUNTY LINE RD.	2



TYPICAL SIDE STREET SIGNING PLAN  
N.T.S.



US 27 (SR 25) BEGIN CONSTRUCTION SIGNING PLAN  
N.T.S.

- Legend**
- Sign With Flag and Type B Light
  - Work Zone Sign

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

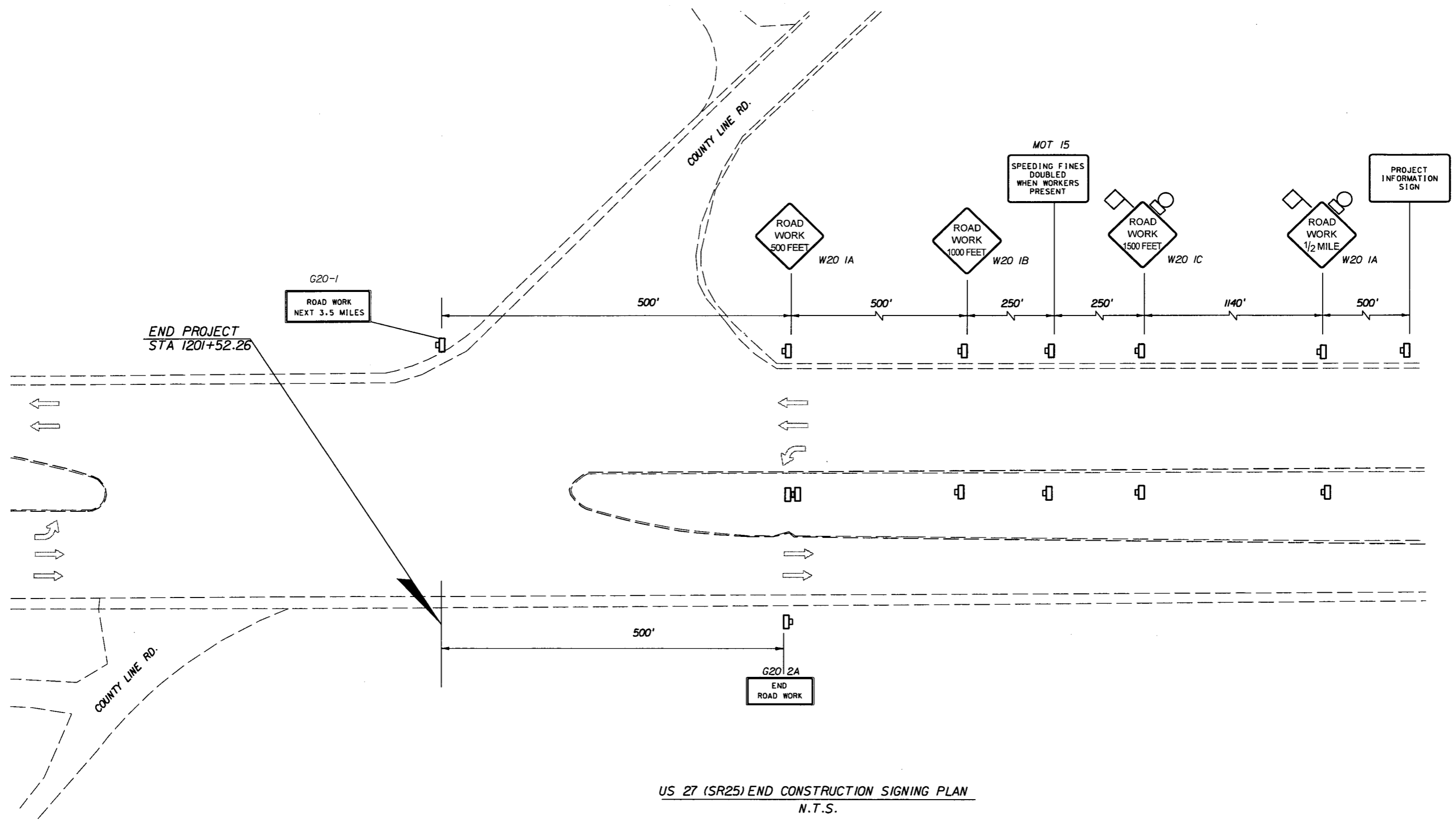
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**TRAFFIC CONTROL PLAN**

SHEET NO.
236

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US 27 (SR25) END CONSTRUCTION SIGNING PLAN  
N.T.S.

- Legend**
- ◊ Sign With Flag and Type B Light
  - Work Zone Sign

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

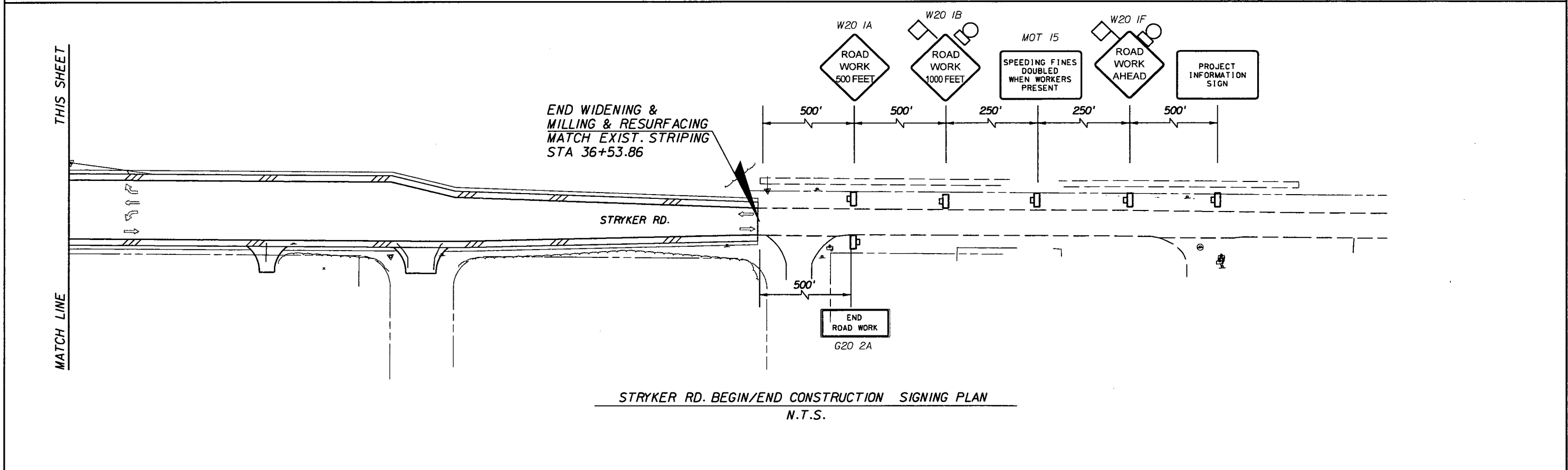
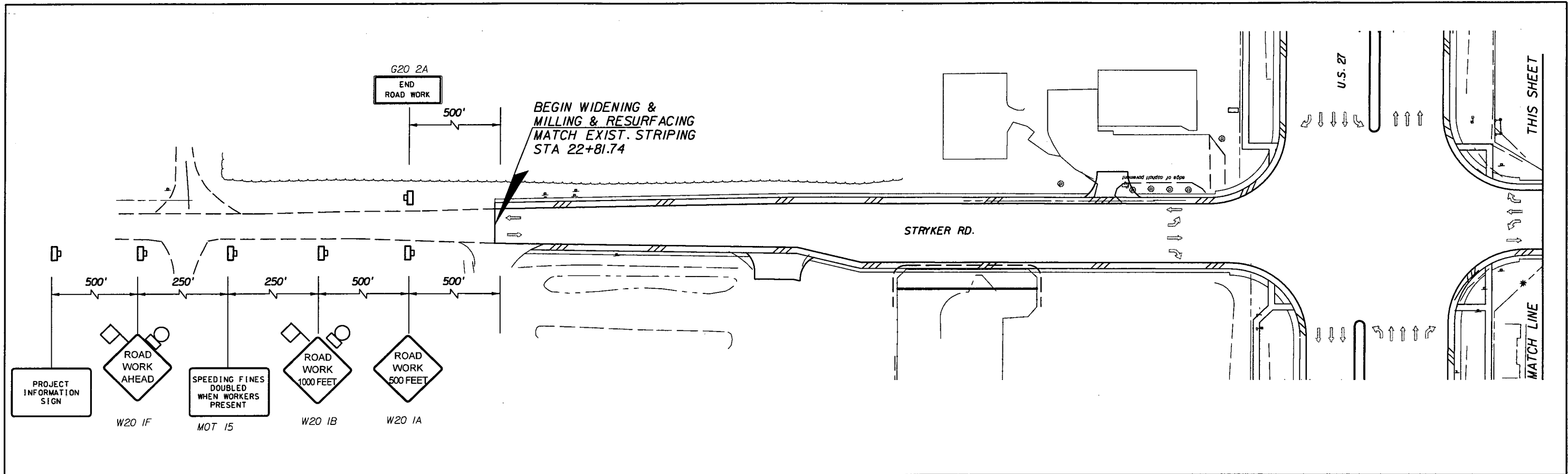
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**TRAFFIC CONTROL PLAN**

SHEET NO.  
237

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STRYKER RD. BEGIN/END CONSTRUCTION SIGNING PLAN  
N.T.S.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

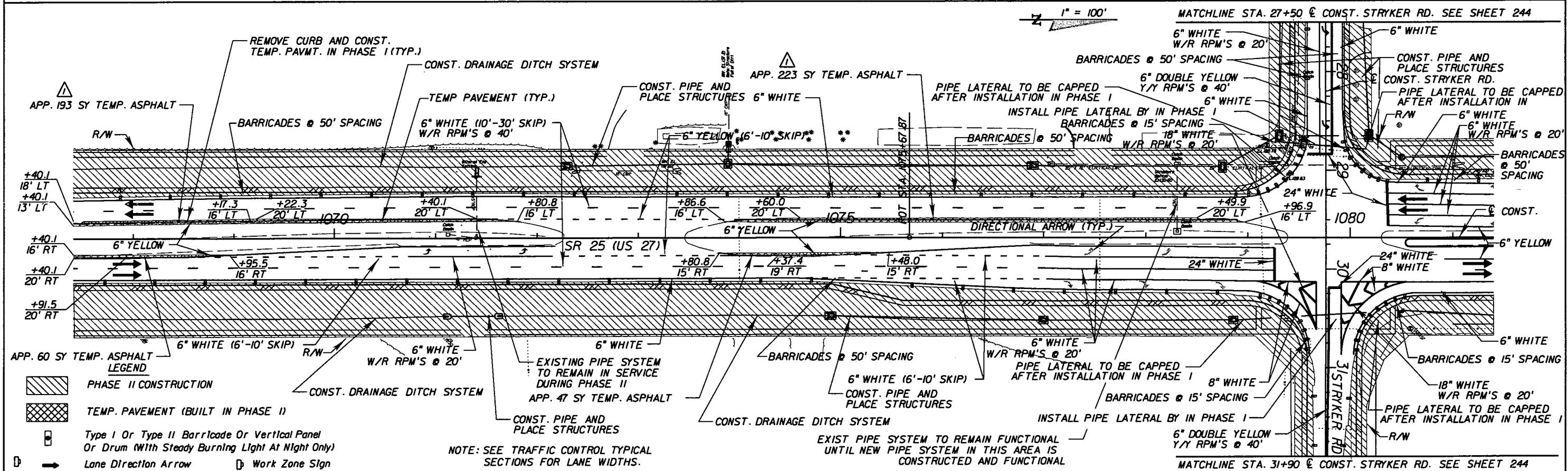
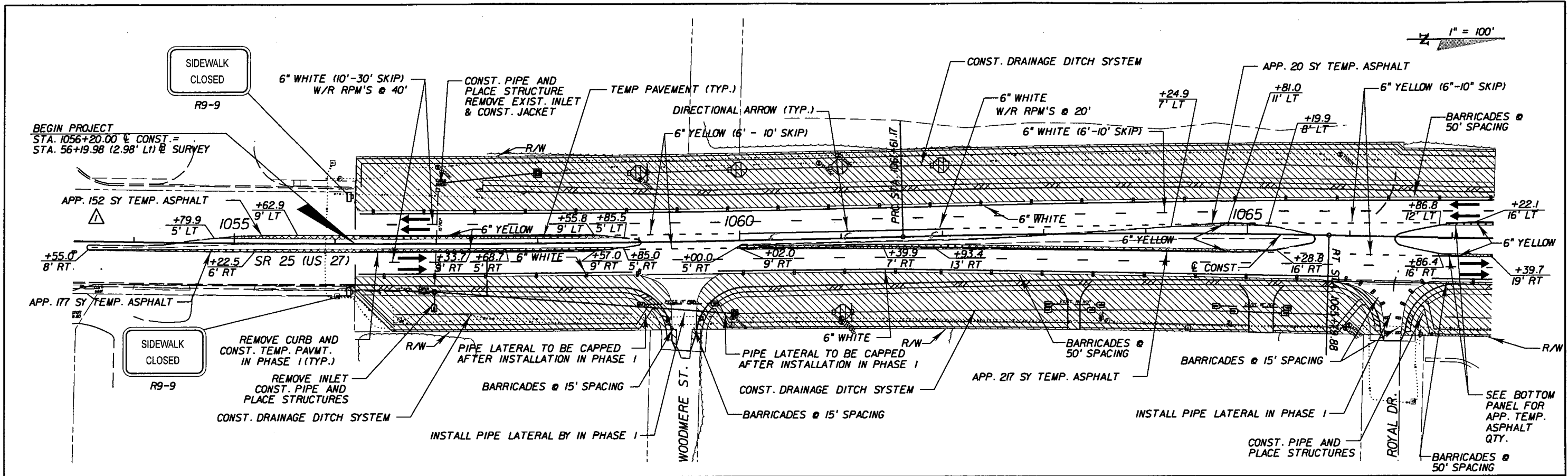
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**TRAFFIC CONTROL PLAN**

SHEET NO.  
238

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REVISIONS		DATE		BY		DESCRIPTION	
05/11/11	BDM						CHANGED TEMP. ASPHALT QTY.

<b>AYRES ASSOCIATES</b> 8875 Hidden River Parkway Suite 200 Tampa, Florida 33637 (813) 978-8688 Certificate of Authorization No. 4356 Brent D. McMurtrie, P.E. P.E. No. 66604		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 25 COUNTY HIGHLANDS FINANCIAL PROJECT ID 194485-1-52-01		US 27 / SR 25 <b>TRAFFIC CONTROL (PHASE II)</b> SHEET NO. 239	
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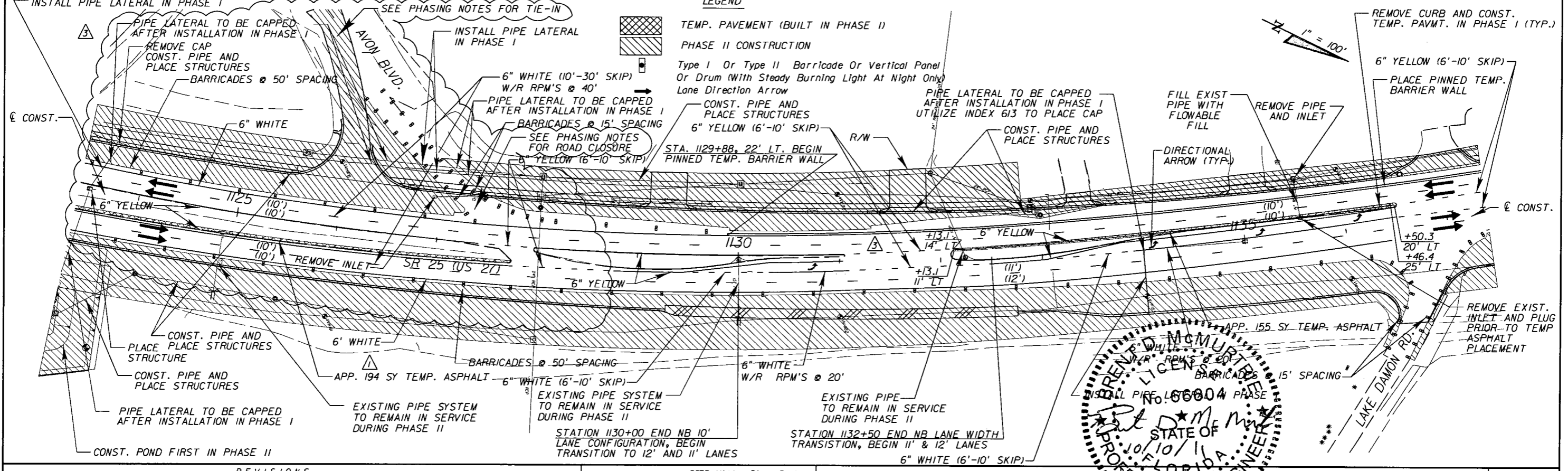
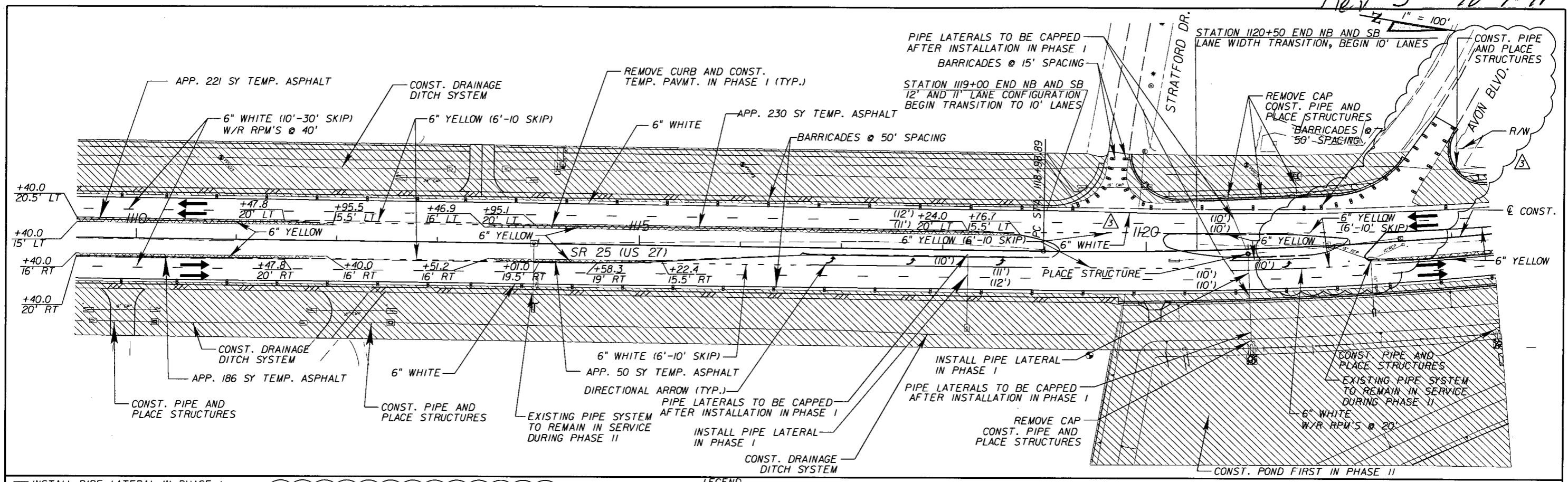
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Rev 3 10-7-11



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
05/11/11	BDM	ADDED TEMP. ASPHALT QTY.			
10/07/11	BDM	MEDIAN CHANGE AND AVON BLVD.			

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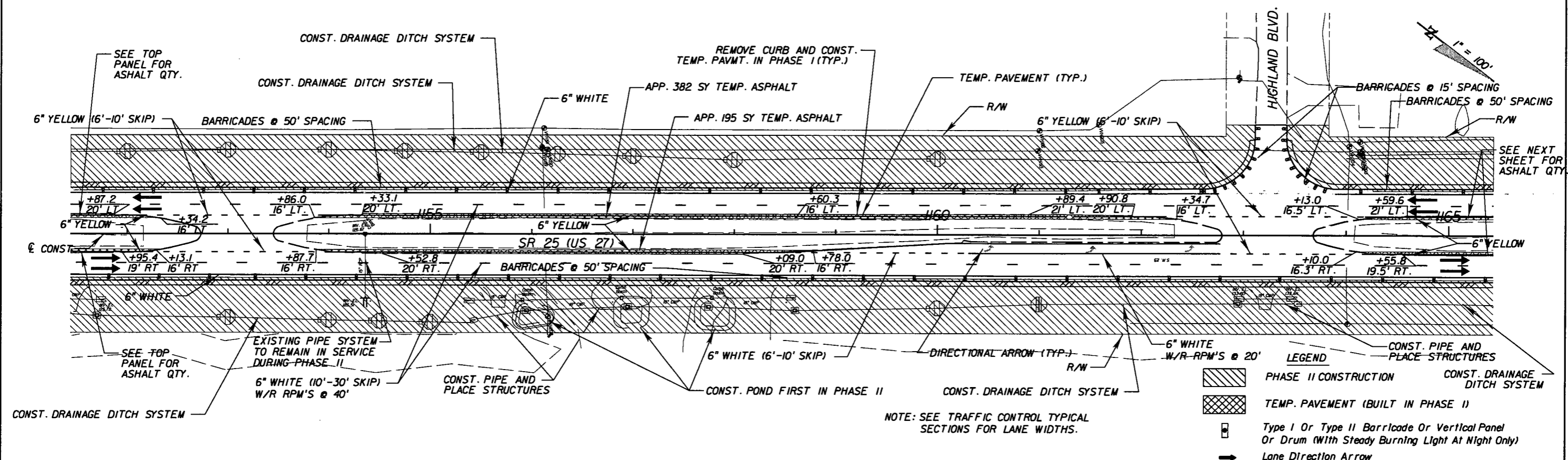
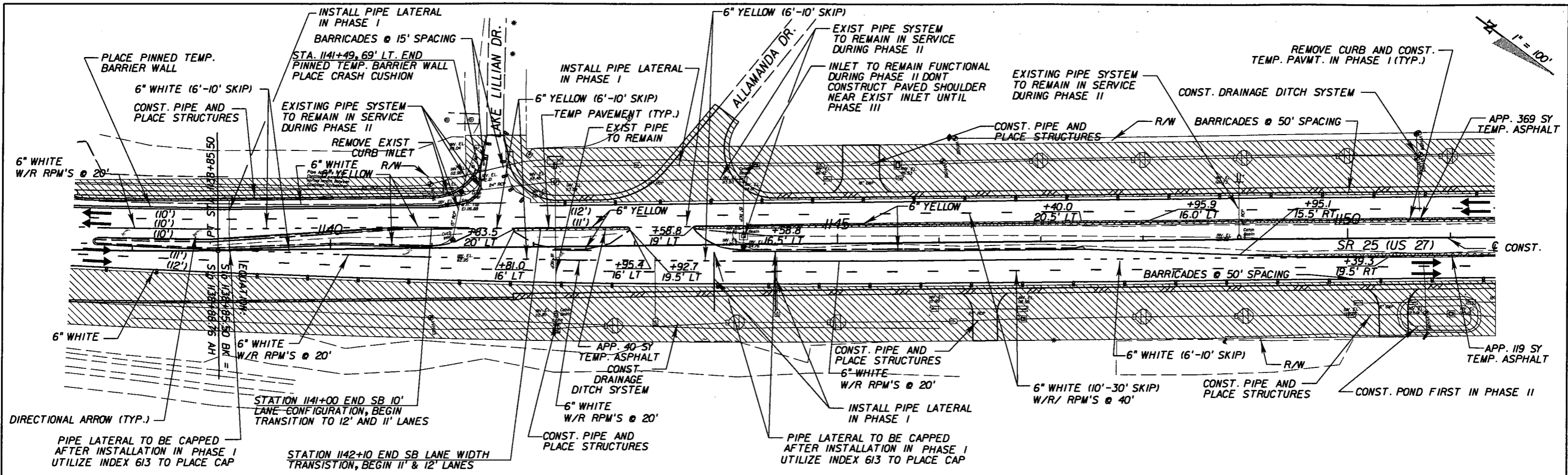
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**BRENT D. MCMURTREE**  
LICENSED PROFESSIONAL ENGINEER  
No. 66604  
STATE OF FLORIDA  
10/10/11

**SR 27 / SR 25  
TRAFFIC CONTROL (PHASE II)**

SHEET NO.
241

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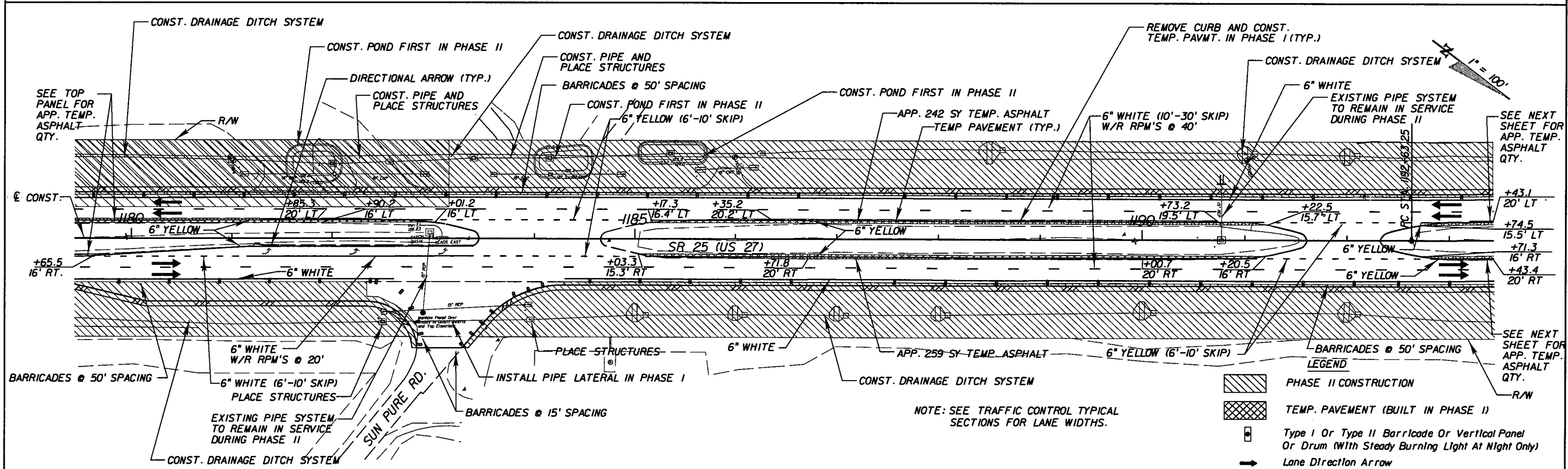
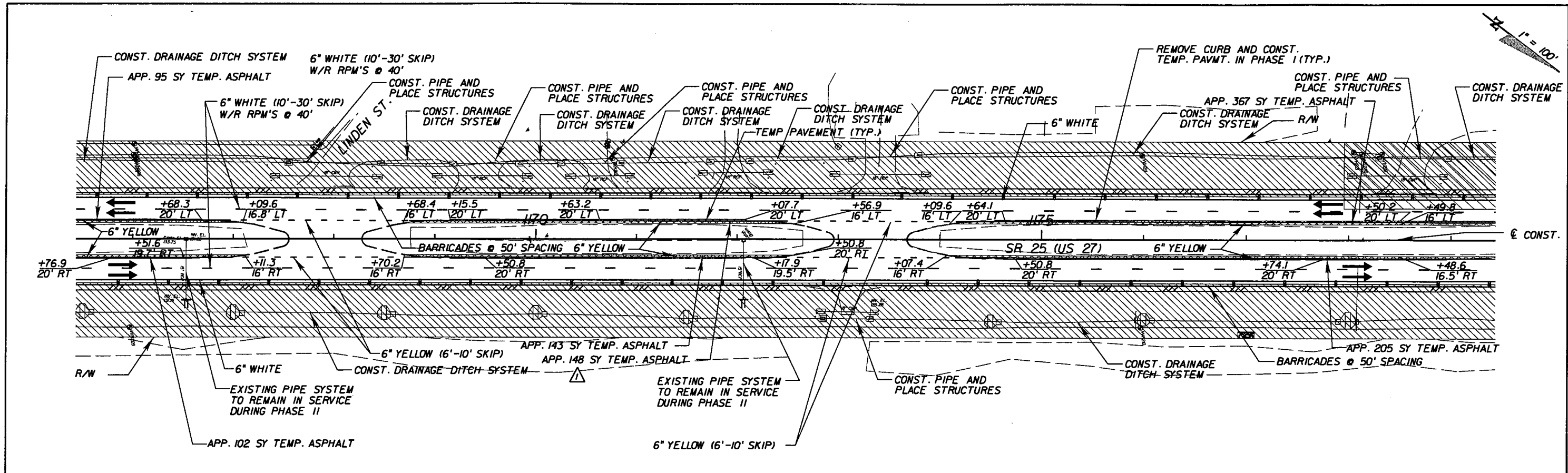
**STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**US 27 / SR 25  
 TRAFFIC CONTROL (PHASE II)**

SHEET NO. 242

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
05/11/11	BDM	CHANGED TEMP. ASPHALT QTY.			

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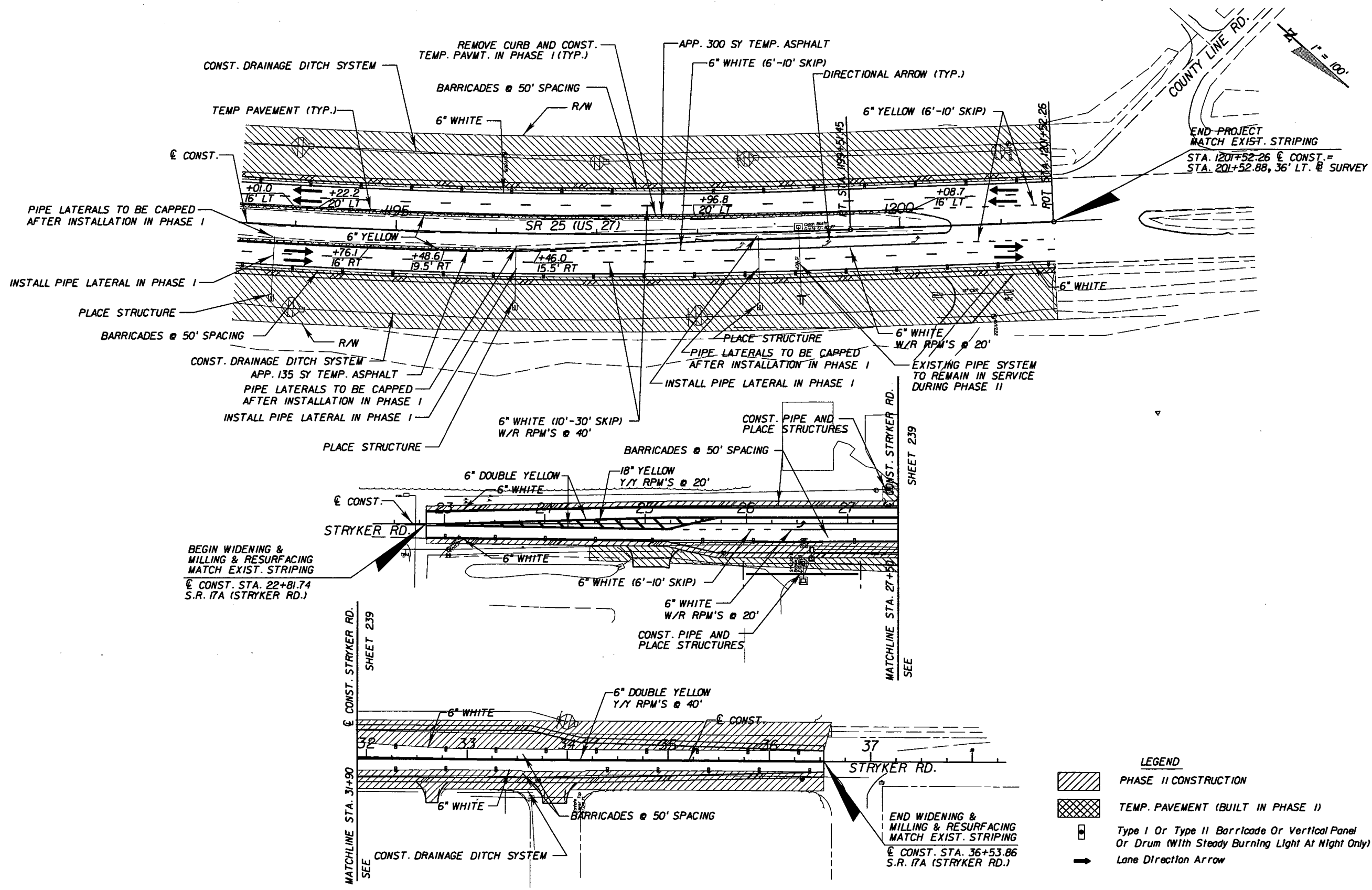
**STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**US 27 / SR 25  
 TRAFFIC CONTROL (PHASE II)**

SHEET NO. 243

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**LEGEND**

	PHASE II CONSTRUCTION
	TEMP. PAVEMENT (BUILT IN PHASE I)
	Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)
	Lane Direction Arrow

NOTE: SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR LANE WIDTHS.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

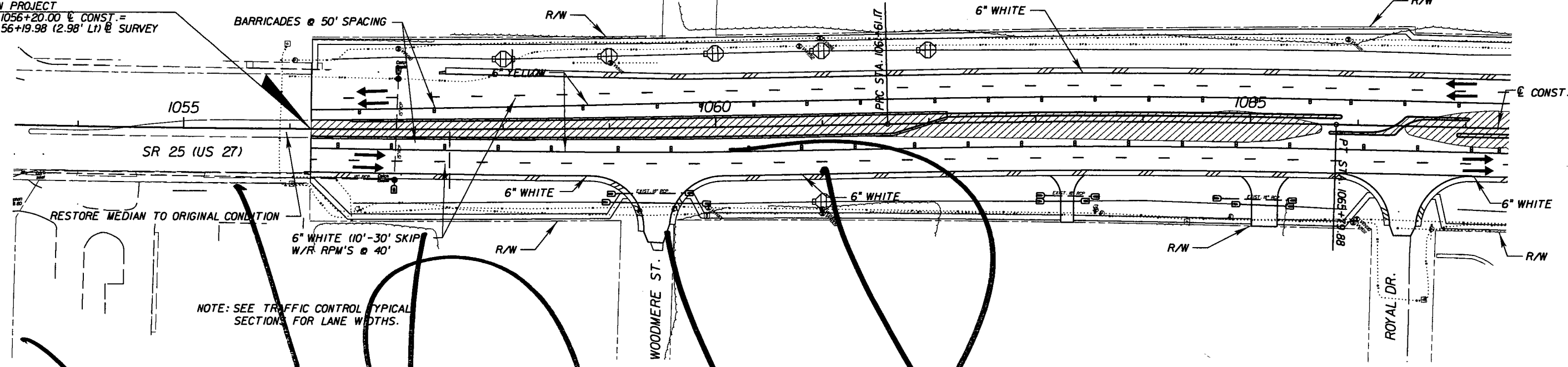
**US 27 / SR 25  
TRAFFIC CONTROL (PHASE II)**

SHEET NO.  
244

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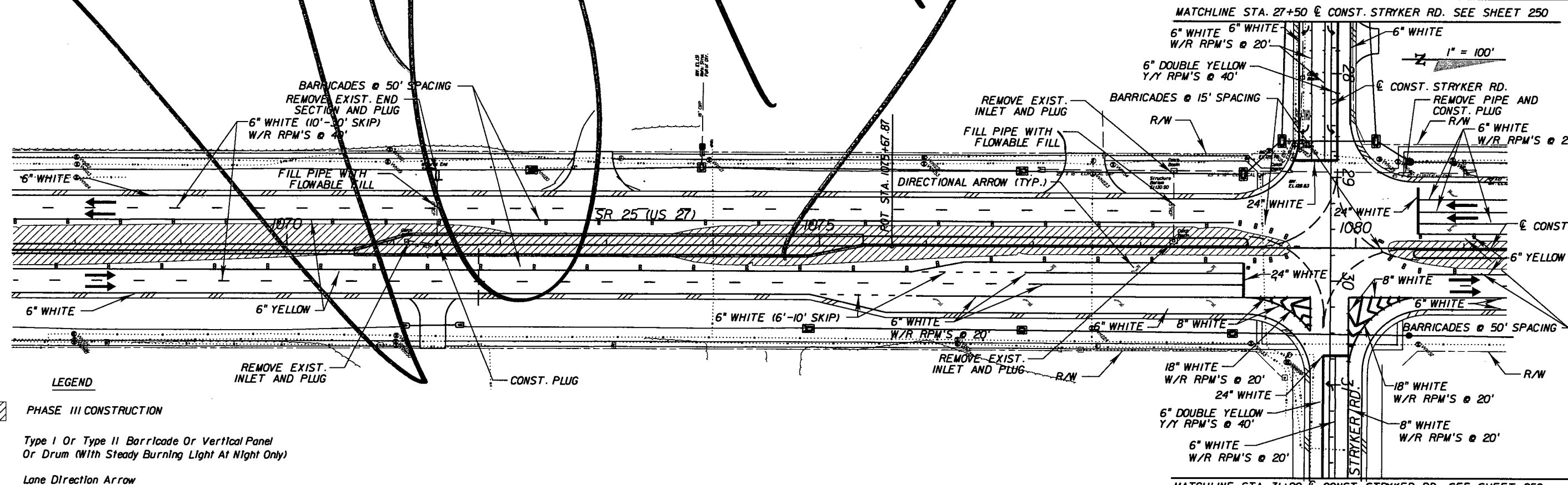
1" = 100'

BEGIN PROJECT  
STA. 1056+20.00 @ CONST. =  
STA. 56+19.98 (2.98' L) @ SURVEY






NOTE: SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR LANE WIDTHS.

MATCHLINE STA. 27+50 @ CONST. STRYKER RD. SEE SHEET 250



LEGEND

-  PHASE III CONSTRUCTION
-  Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)
-  Lane Direction Arrow

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

US 27 / SR 25  
TRAFFIC CONTROL (PHASE III)

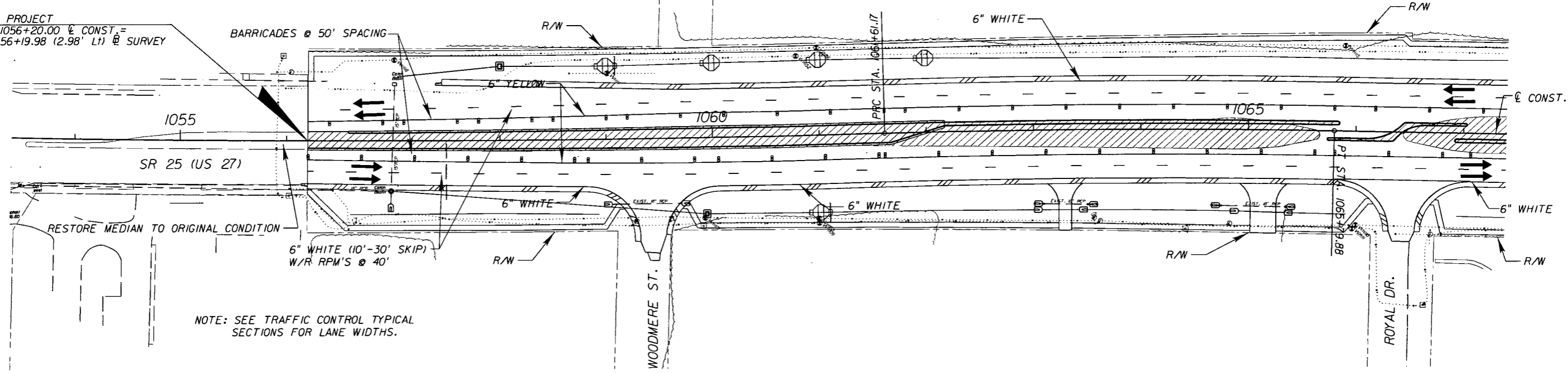
SHEET NO. 245

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Rev 2 9-6-11

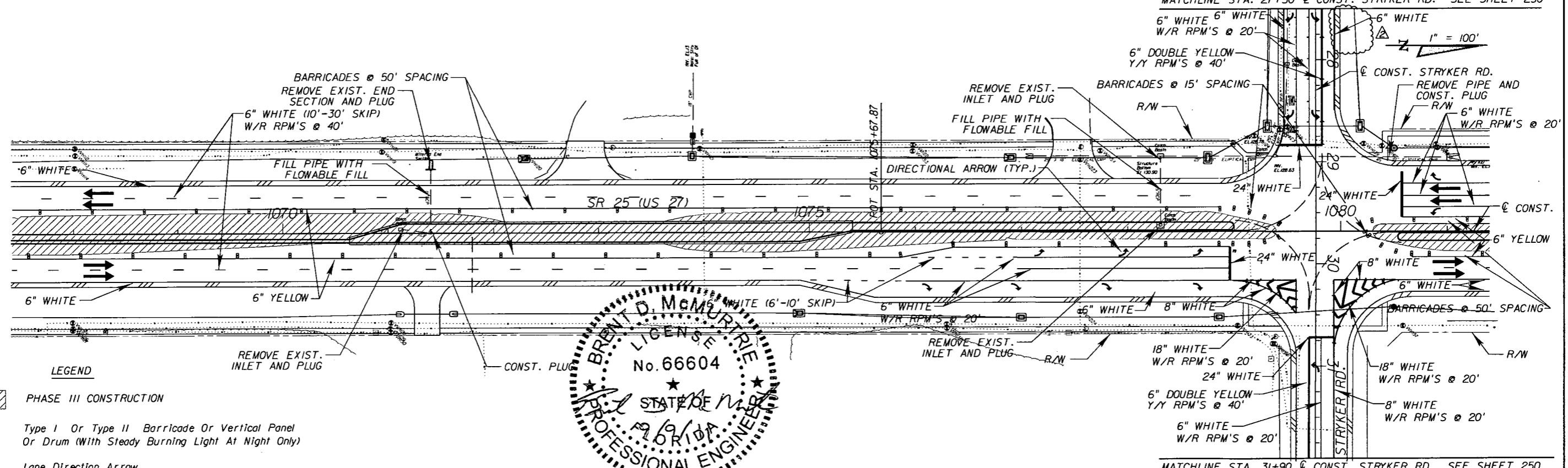
1" = 100'

BEGIN PROJECT  
STA. 1056+20.00 @ CONST. =  
STA. 56+19.98 (2.98' Lt) @ SURVEY



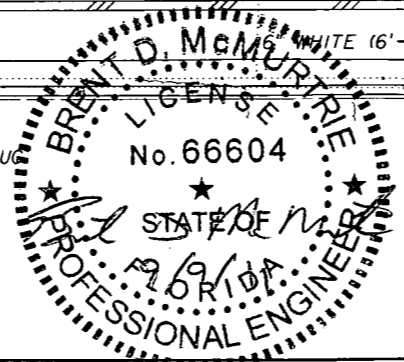
NOTE: SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR LANE WIDTHS.

MATCHLINE STA. 27+50 @ CONST. STRYKER RD. SEE SHEET 250



LEGEND

- PHASE III CONSTRUCTION
- Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)
- Lane Direction Arrow



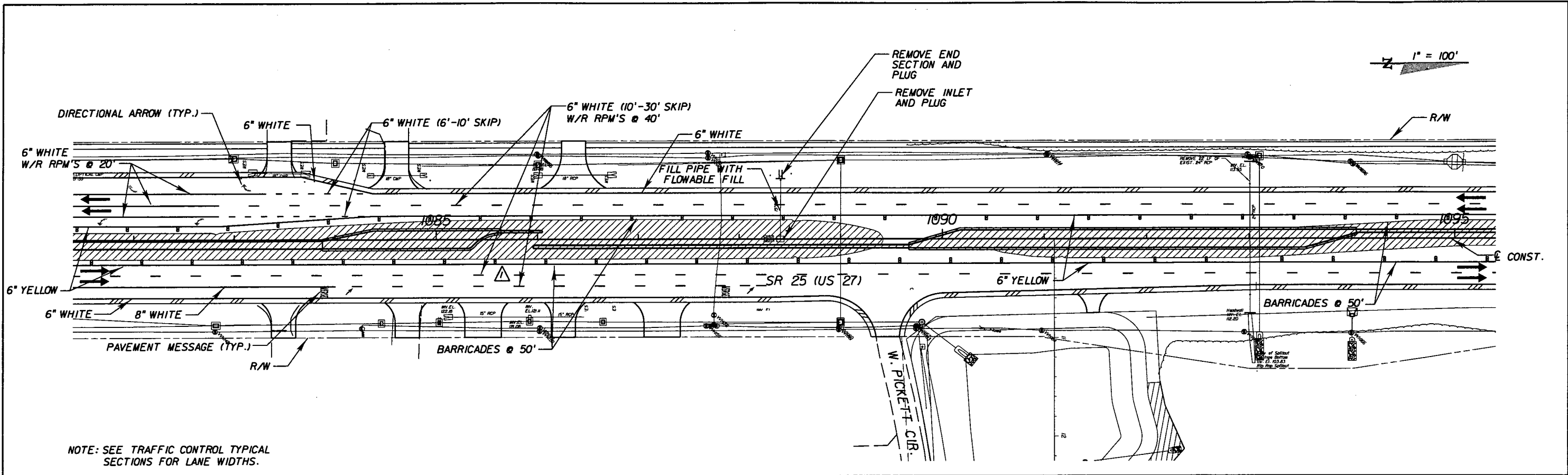
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
09/06/11	MEB	ADJUSTED DRWY. DUE TO TOPO UPDATE			

**AYRES ASSOCIATES**  
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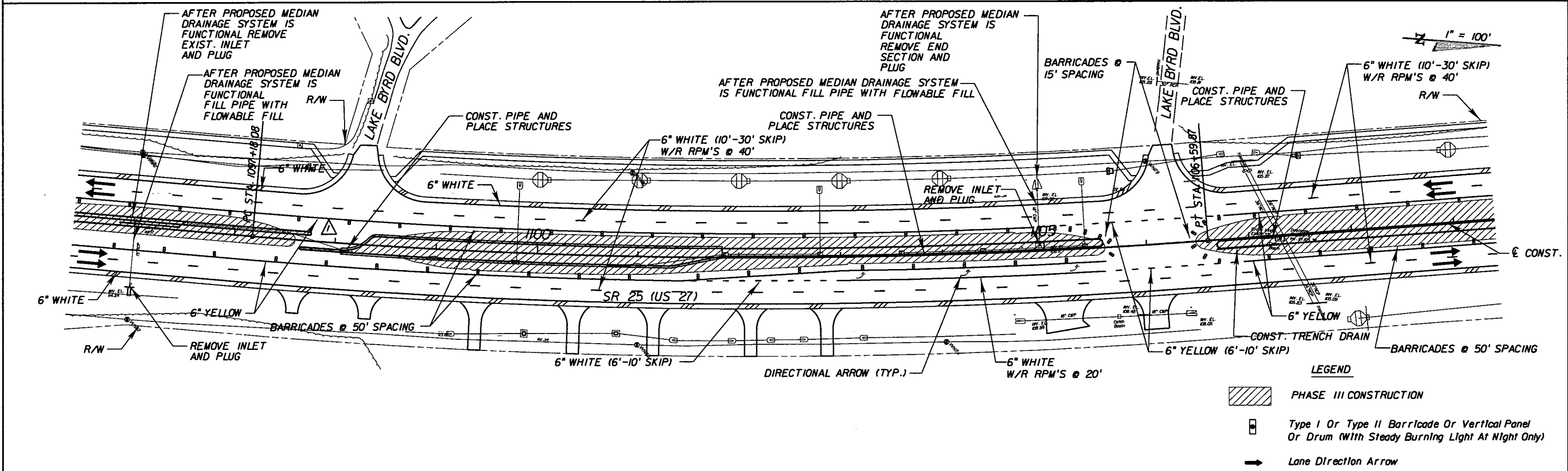
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

US 27 / SR 25 TRAFFIC CONTROL (PHASE IID)		SHEET NO.
		245

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



NOTE: SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR LANE WIDTHS.



- LEGEND**
- PHASE III CONSTRUCTION
  - Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)
  - Lane Direction Arrow

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
05/11/11	BDM	ADJUSTED MOT DUE TO MEDIAN CHANGES			

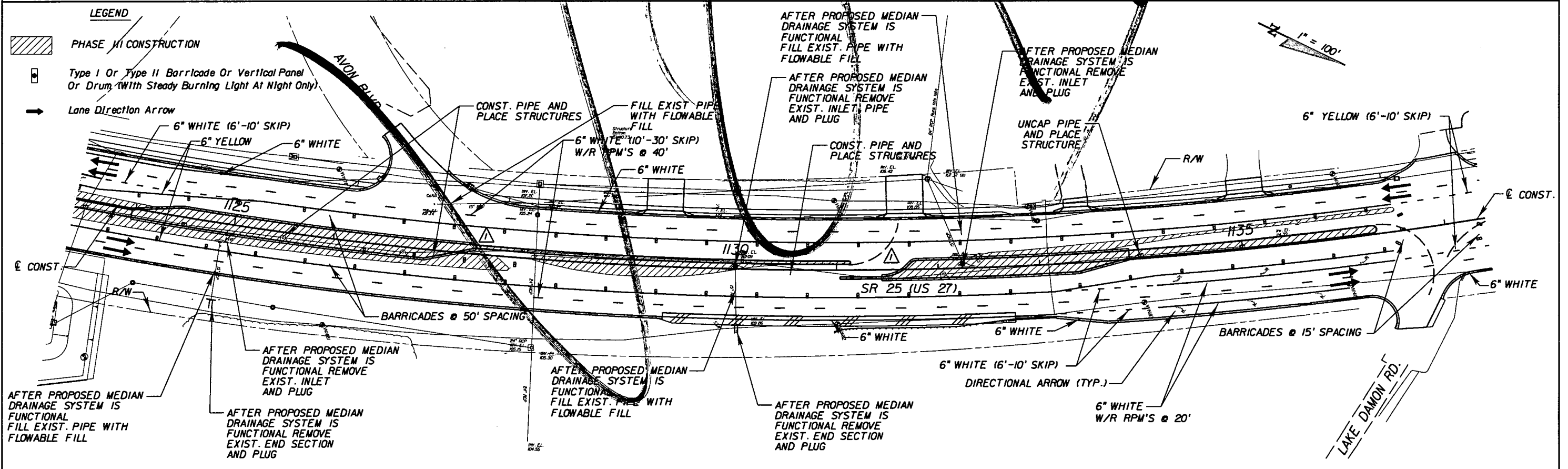
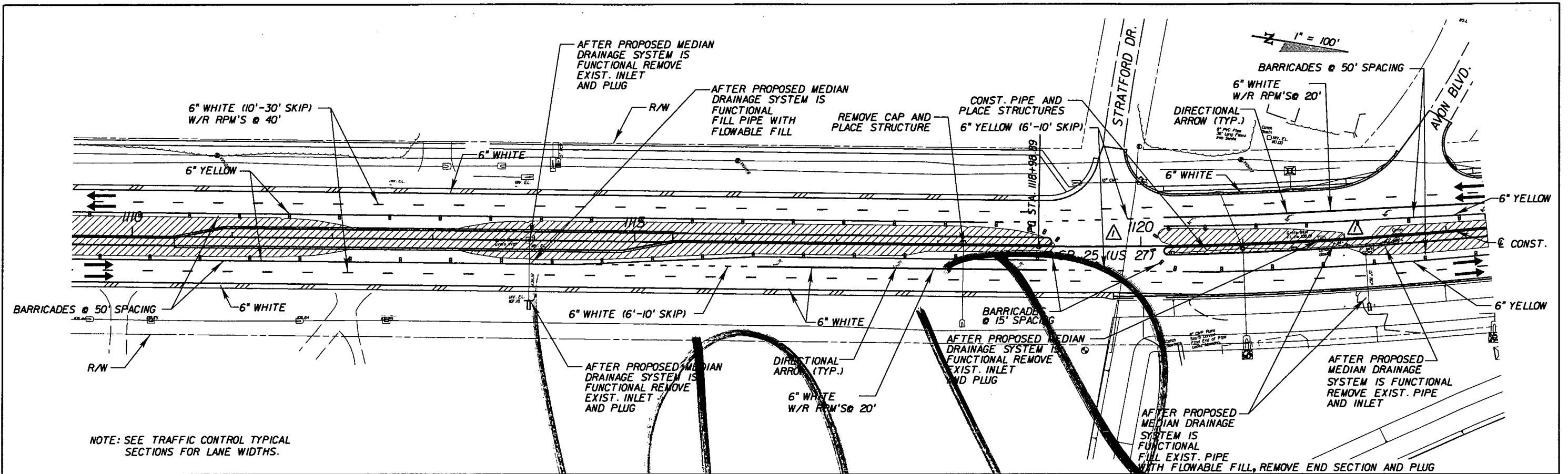
**AYRES ASSOCIATES**  
 8875 Hidden River Parkway  
 Suite 200  
 Tampa, Florida 33637  
 (813) 978-8688  
 Certificate of Authorization  
 No. 4356  
 Brent D. McMurtrie, P.E.  
 P.E. NO. 66604

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**US 27 / SR 25**  
**TRAFFIC CONTROL (PHASE II)**

SHEET NO. 246

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6815-23.003, F.A.C.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
05/11/11	BDM	ADJUSTED NOT DUE TO MEDIAN CHANGES			

**AYRES ASSOCIATES**

8875 Hidden River Parkway  
Suite 200  
Tampa, Florida 33637  
(813) 978-8688  
Certificate of Authorization  
No. 4356  
Brent D. McMurtrie, P.E.  
P.E. NO. 66604

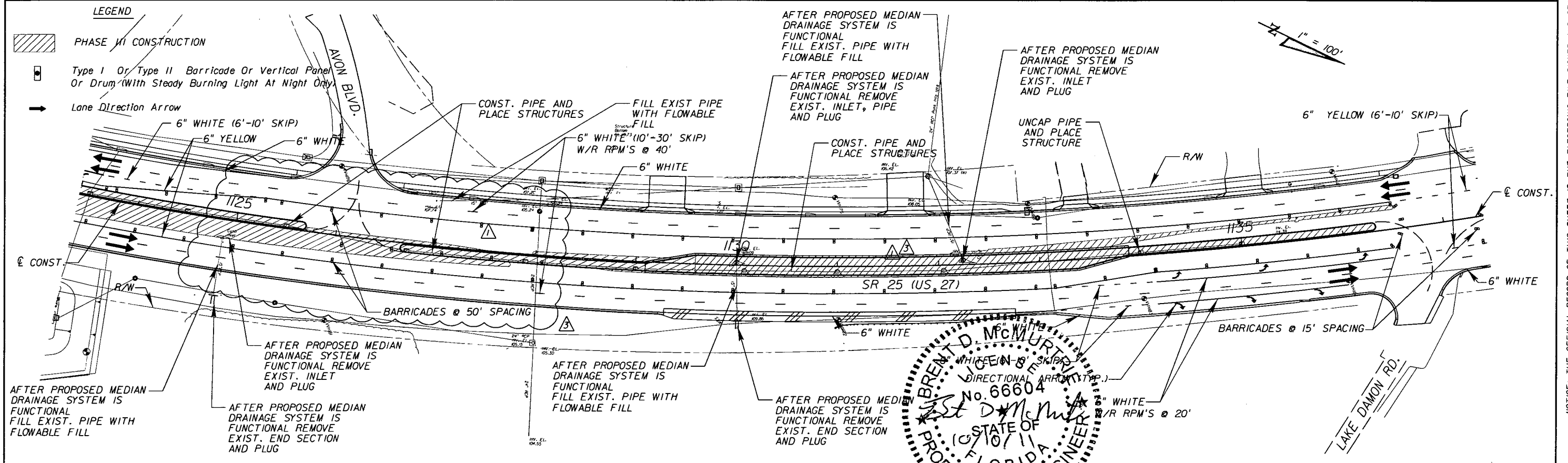
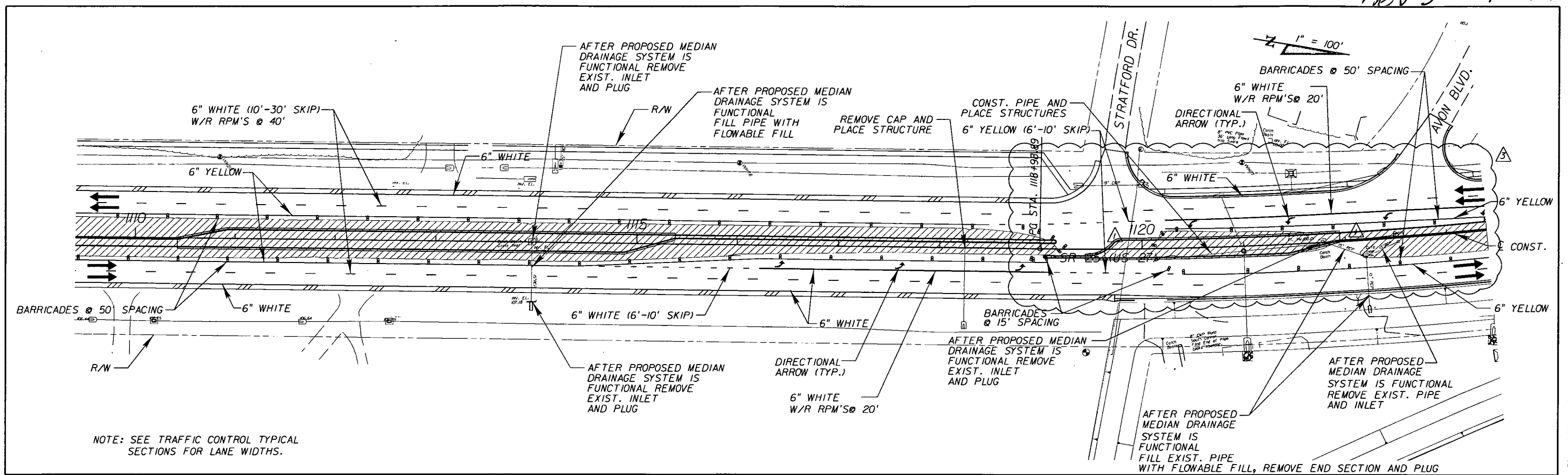
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**US 27 / SR 25  
TRAFFIC CONTROL (PHASE III)**

SHEET NO. 247

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 68J5-23.003, F.A.C.





REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
05/11/11	BDM	ADJUSTED MOT DUE TO MEDIAN CHANGES			
10/07/11	BDM	ADJUSTED MOT DUE TO MEDIAN CHANGES			

**AYRES ASSOCIATES**

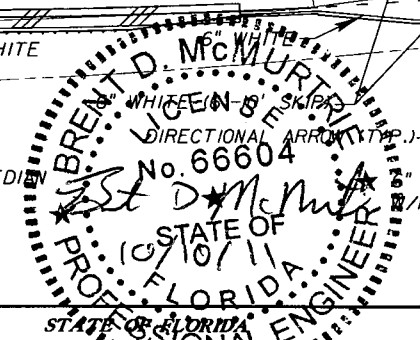
8875 Hidden River Parkway  
 Suite 200  
 Tampa, Florida 33637  
 (813) 978-8688  
 Certificate of Authorization  
 No. 4356  
 Brent D. McMurtre, P.E.  
 P.E. NO. 66604

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

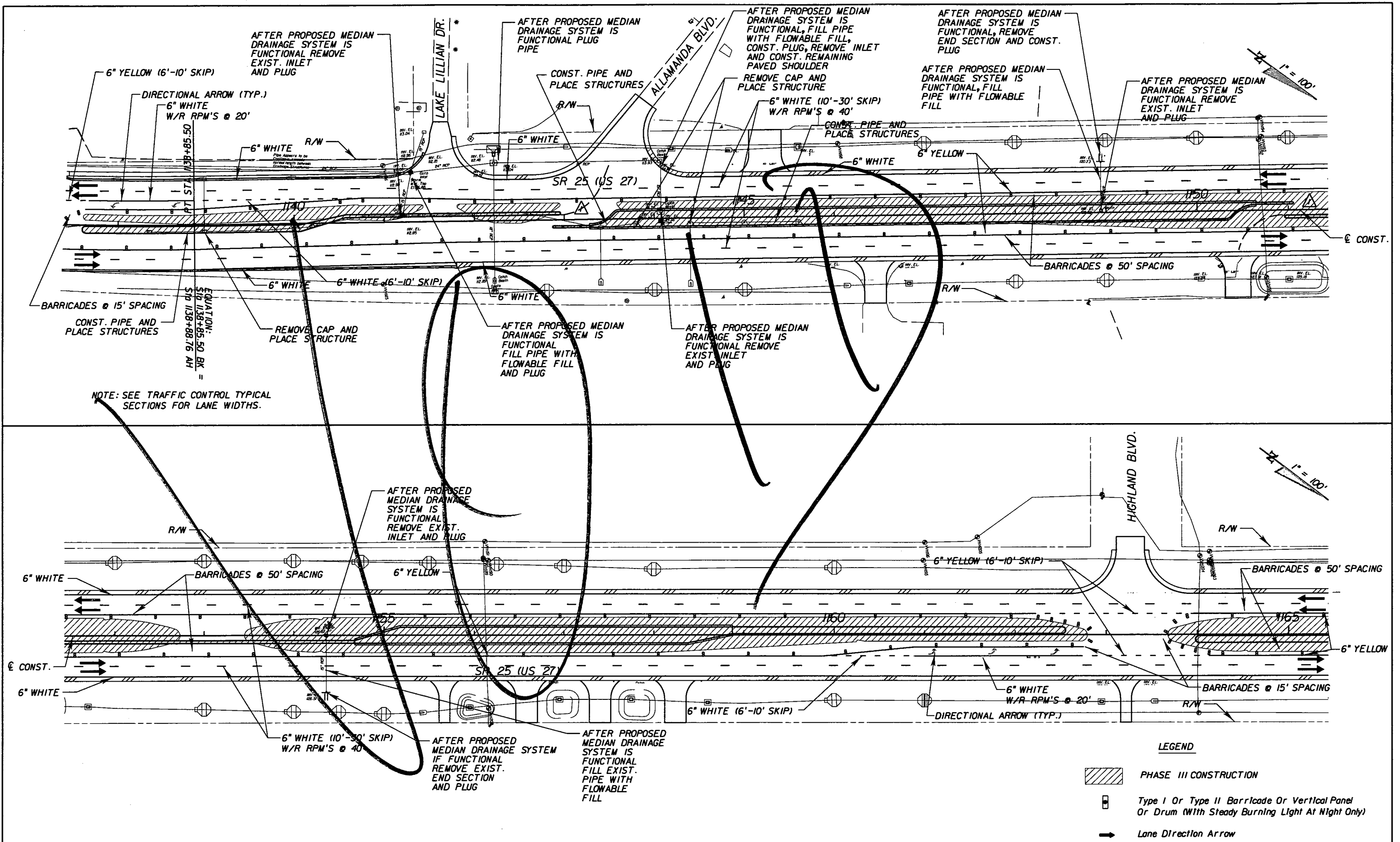
ROAD NO. 25 COUNTY HIGHLANDS FINANCIAL PROJECT ID 194485-1-52-01

US 27 / SR 25  
**TRAFFIC CONTROL (PHASE III)**

SHEET NO. 247



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
05/11/11	BDM	ADJUSTED NOT DUE TO MEDIAN CHANGES			

**AYRES ASSOCIATES**  
 8875 Hidden River Parkway  
 Suite 200  
 Tampa, Florida 33637  
 (813) 978-8688  
 Certificate of Authorization  
 No. 4356  
 Brent D. McMurtrie, P.E.  
 P.E. NO. 66604

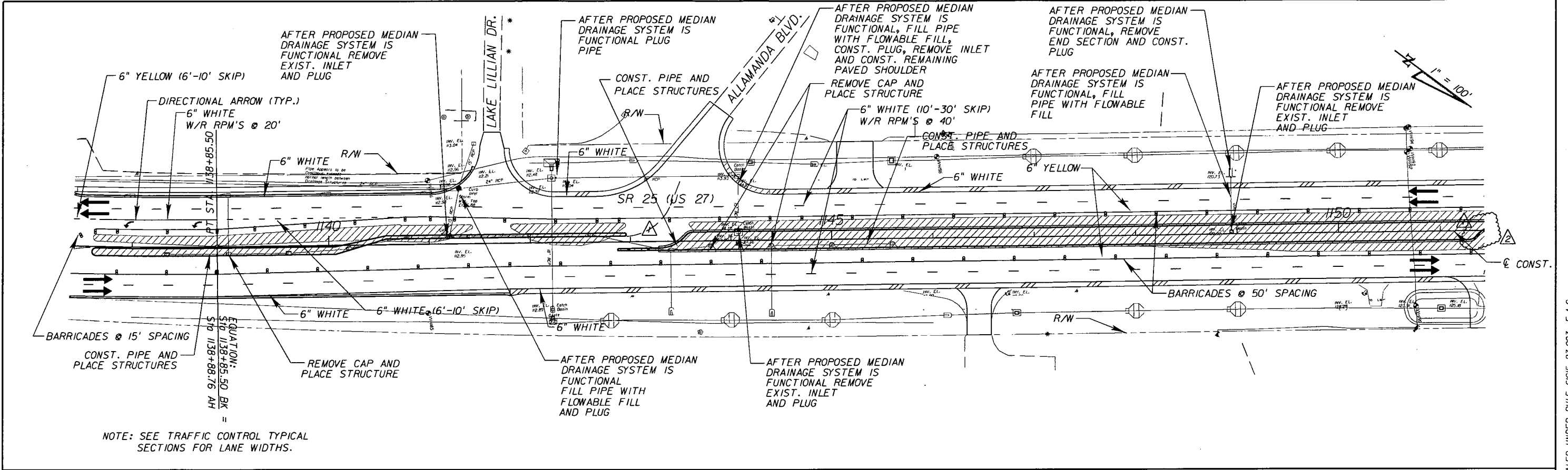
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**US 27 / SR 25**  
**TRAFFIC CONTROL (PHASE III)**

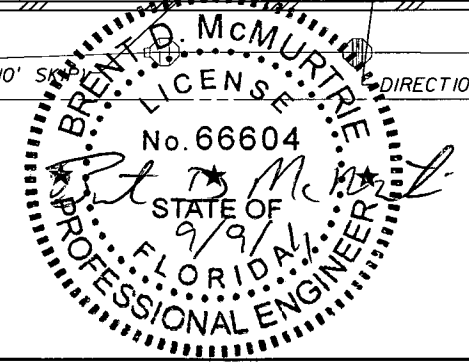
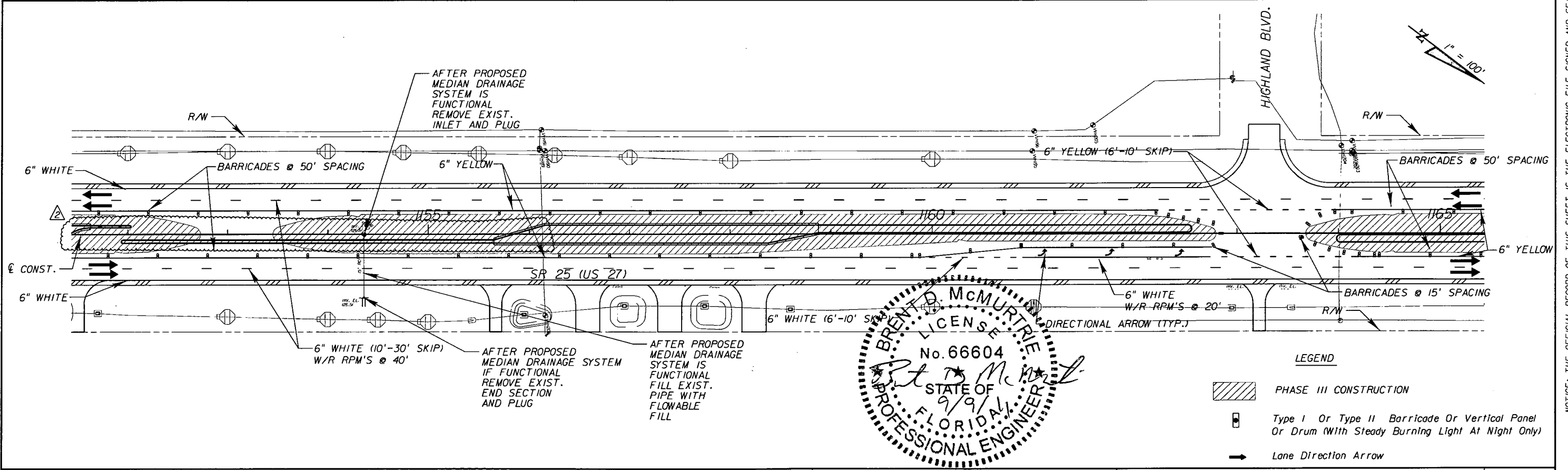
SHEET NO. 248

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6015-23.003, F.A.C.

Rev 2 9-6-11



NOTE: SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR LANE WIDTHS.



LEGEND

	PHASE III CONSTRUCTION
	Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)
	Lane Direction Arrow

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
05/11/11	BDM	ADJUSTED MOT DUE TO MEDIAN CHANGES			
09/06/11	MEB	MEDIAN DESIGN CHANGES			

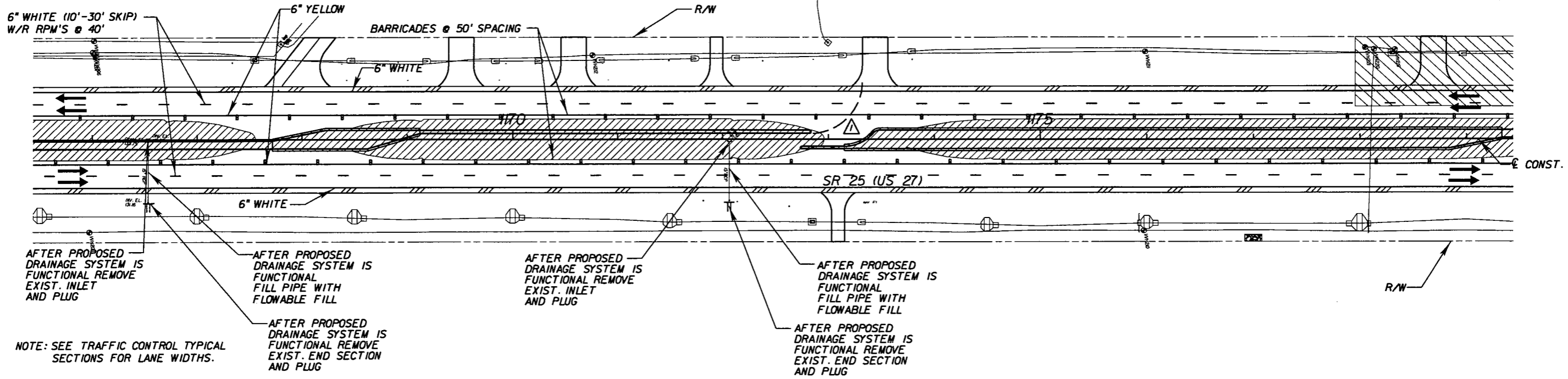
**AYRES ASSOCIATES**  
 8875 Hidden River Parkway  
 Suite 200  
 Tampa, Florida 33637  
 (813) 978-8688  
 Certificate of Authorization  
 No. 4356  
 Brent D. McMurtrie, P.E.  
 P.E. NO. 66604

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

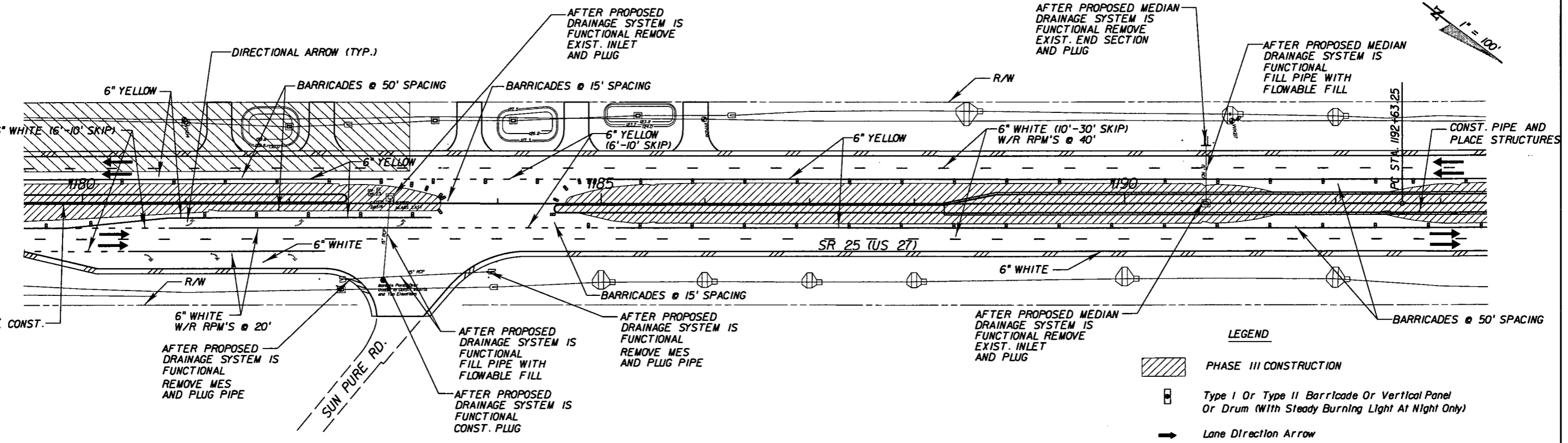
US 27 / SR 25  
**TRAFFIC CONTROL (PHASE III)**  
 SHEET NO. 248

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

1" = 100'



NOTE: SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR LANE WIDTHS.



**LEGEND**

- PHASE III CONSTRUCTION
- Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)
- Lane Direction Arrow

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
05/11/11	BDM	ADJUSTED MOT DUE TO MEDIAN CHANGES			

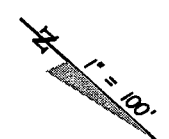
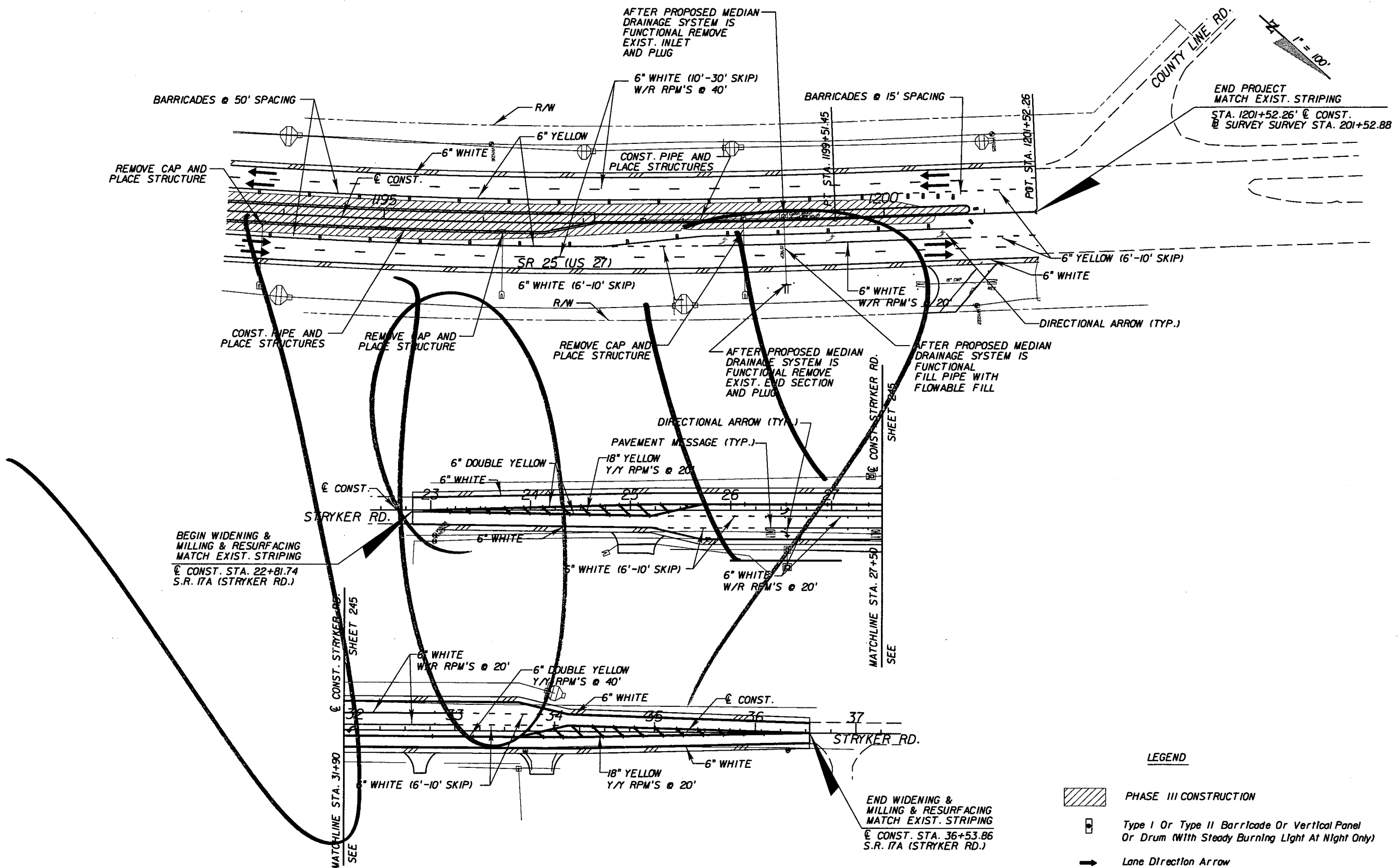
**AYRES ASSOCIATES**  
 8875 Hidden River Parkway  
 Suite 200  
 Tampa, Florida 33637  
 (813) 978-8688  
 Certificate of Authorization  
 No. 4356  
 Brent D. McMurtrie, P.E.  
 P.E. NO. 66604

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01




**US 27 / SR 25  
 TRAFFIC CONTROL (PHASE III)**

SHEET NO.  
249

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6015-23.003, F.A.C.



**LEGEND**

-  PHASE III CONSTRUCTION
-  Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only)
-  Lane Direction Arrow

NOTE: SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR LANE WIDTHS.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**AYRES ASSOCIATES**  
 8875 Hidden River Parkway  
 Suite 200  
 Tampa, Florida 33637  
 (813) 978-8688  
 Certificate of Authorization  
 No. 4356  
 Brent D. McMurtrie, P.E.  
 P.E. NO. 66604

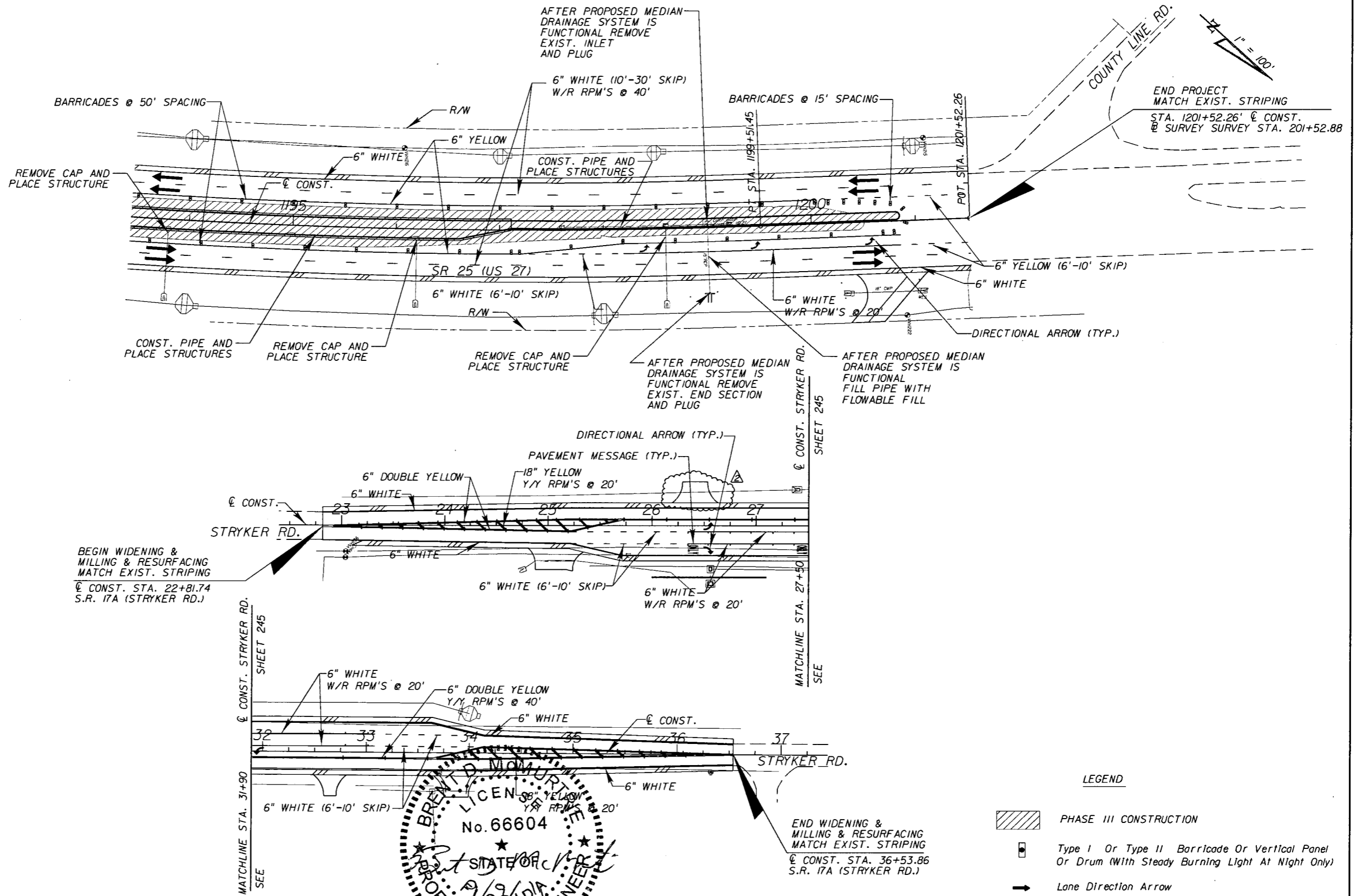
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**US 27 / SR 25  
TRAFFIC CONTROL (PHASE III)**

SHEET NO.  
250

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Rev 2 9-6-11




NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.

UTILITY / AGENCY OWNERS

COMPANY	CONTACT	TELEPHONE NUMBERS
CITY OF AVON PARK	JULIAN DeLEON	863-452-4427
COMCAST	BRIAN DELANEY	863-402-3036
CENTURY LINK (FORMERLY SPRINT & EMBARQ)	KEN LUTZ	863-452-3185
HIGHLANDS COUNTY TRAFFIC ENGINEERING	EDWARD CARDONA	863-402-6536
LEVEL 3 COMMUNICATIONS (FORMERLY MCI & BROADWING)	JON RAY	813-349-1434
PROGRESS ENERGY (FORMERLY FLORIDA POWER CORP.)	JIMMY BENT	863-678-4444
TECO/PEOPLE'S GAS	JENNIFER LOWERS	863-603-2226

GENERAL NOTES

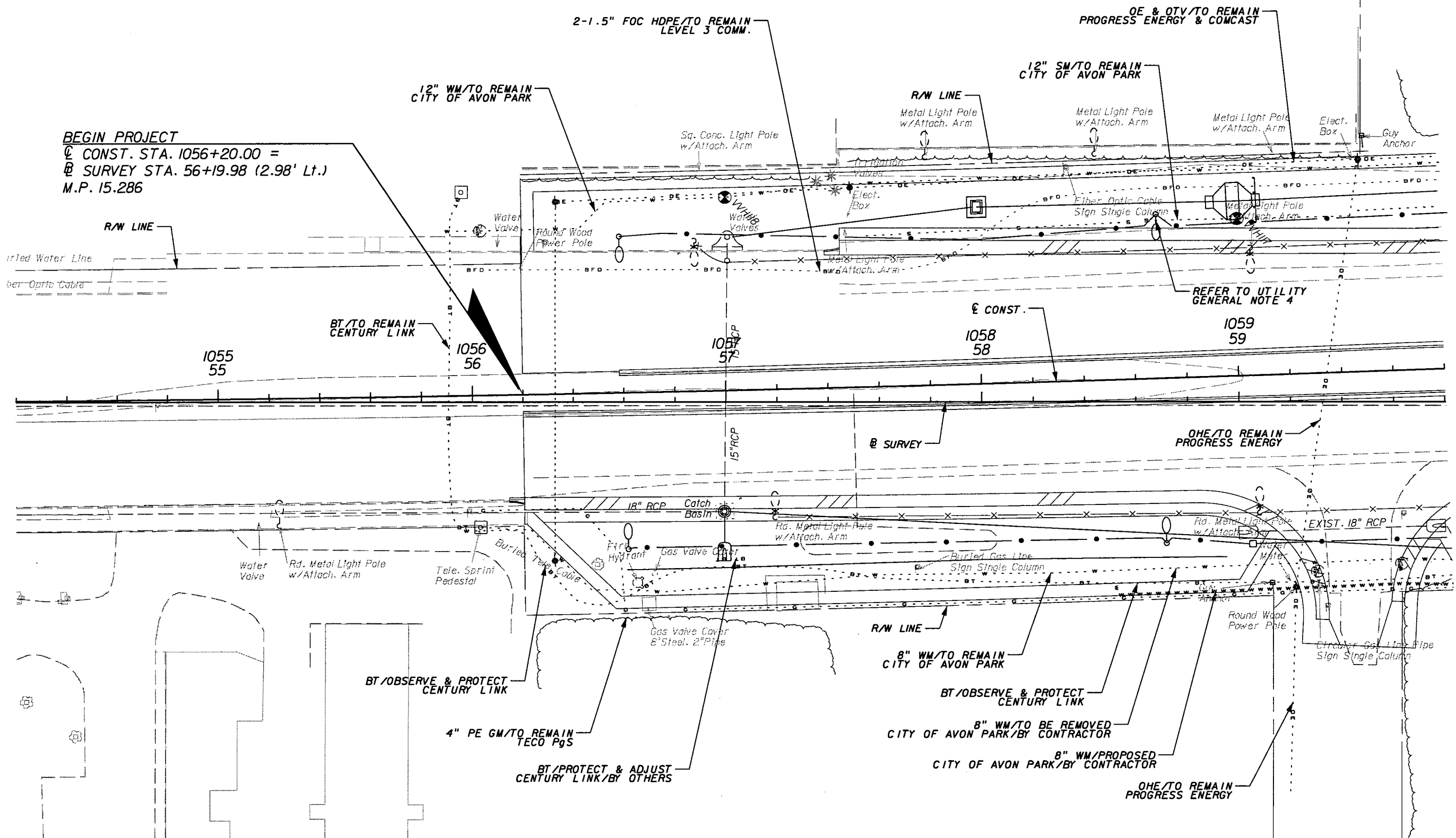
1. THE LOCATION (S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED VV VH AND VVH) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATION/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
2. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS OF ANY EXCAVATION OR DEMOLITION ACTIVITY THROUGH SUNSHINE ONE-CALL OF FLORIDA, INC. (1-800-432-4770) AND SHALL ALSO NOTIFY THOSE UTILITY OWNERS/AGENCIES LISTED WITHIN OR IMPACTED BY THESE PLANS, NOT LESS THAN TWO (2) FULL BUSINESS DAYS IN ADVANCE OF THE BEGINNING OF CONSTRUCTION ON THE JOB SITE.
4. THE CONTRACTOR SHALL PROCEED WITH CAUTION FROM STA. 1058+00 (LT) TO 1106+00 (LT) DUE TO POSSIBLE UTILITY CONFLICT BETWEEN THE SANITARY SEWER (FM) AND PROPOSED LIGHTING FOUNDATIONS. REFER TO THE LIGHTING COMPONENT SET FOR FURTHER INSTRUCTIONS AND FOUNDATION ALTERNATIVE.

REVISIONS						 URS Corporation Southern 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462 Certificate of Authorization No. 00000002 Jeffrey W. Blazowski, P.E. No. 55527	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		251
							25	HIGHLANDS	194485-1-52-01		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

N 1" = 40'

**BEGIN PROJECT**  
 @ CONST. STA. 1056+20.00 =  
 @ SURVEY STA. 56+19.98 (2.98' Lt.)  
 M.P. 15.286



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

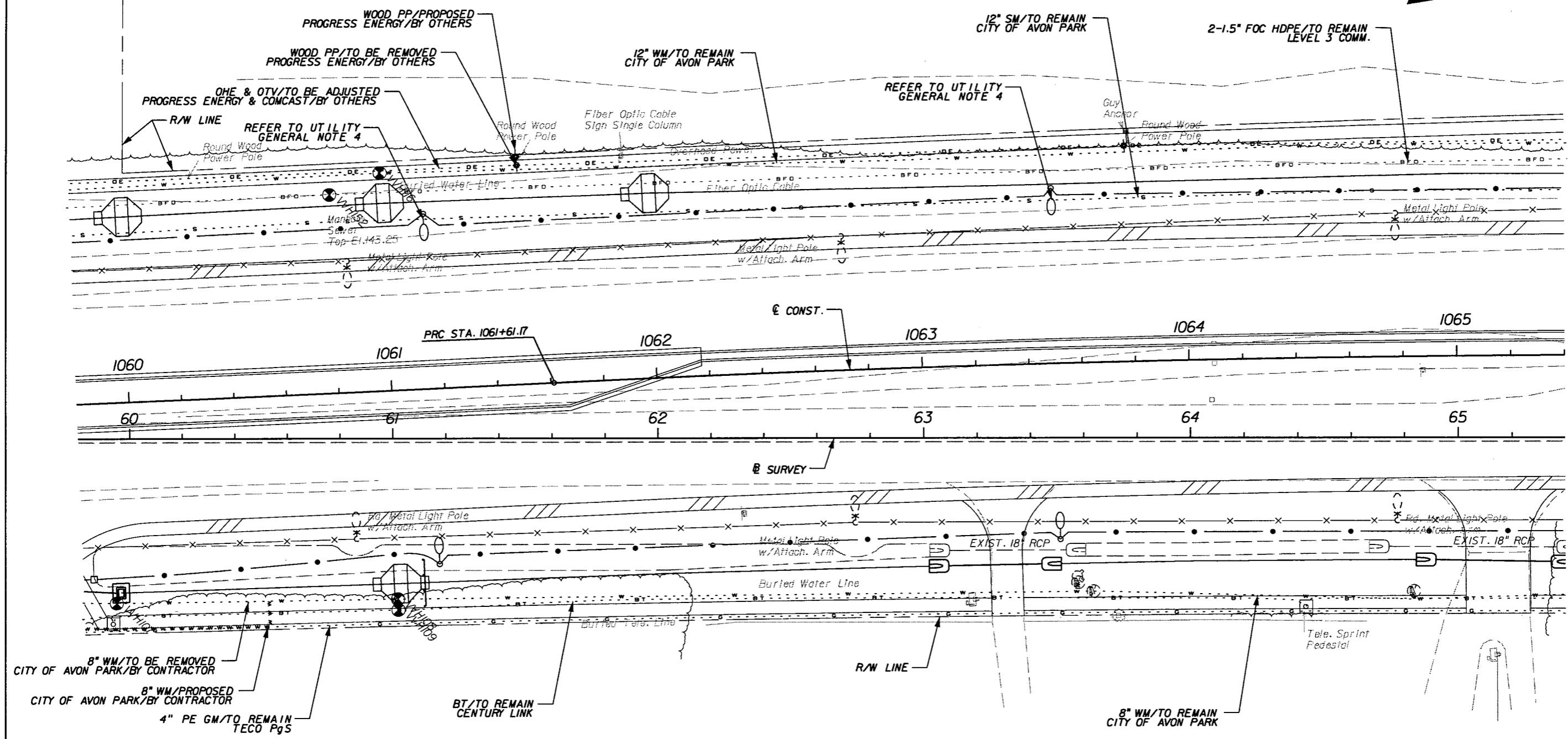
**UTILITY ADJUSTMENTS (1)**

SHEET NO.  
252

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



1" = 40'



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

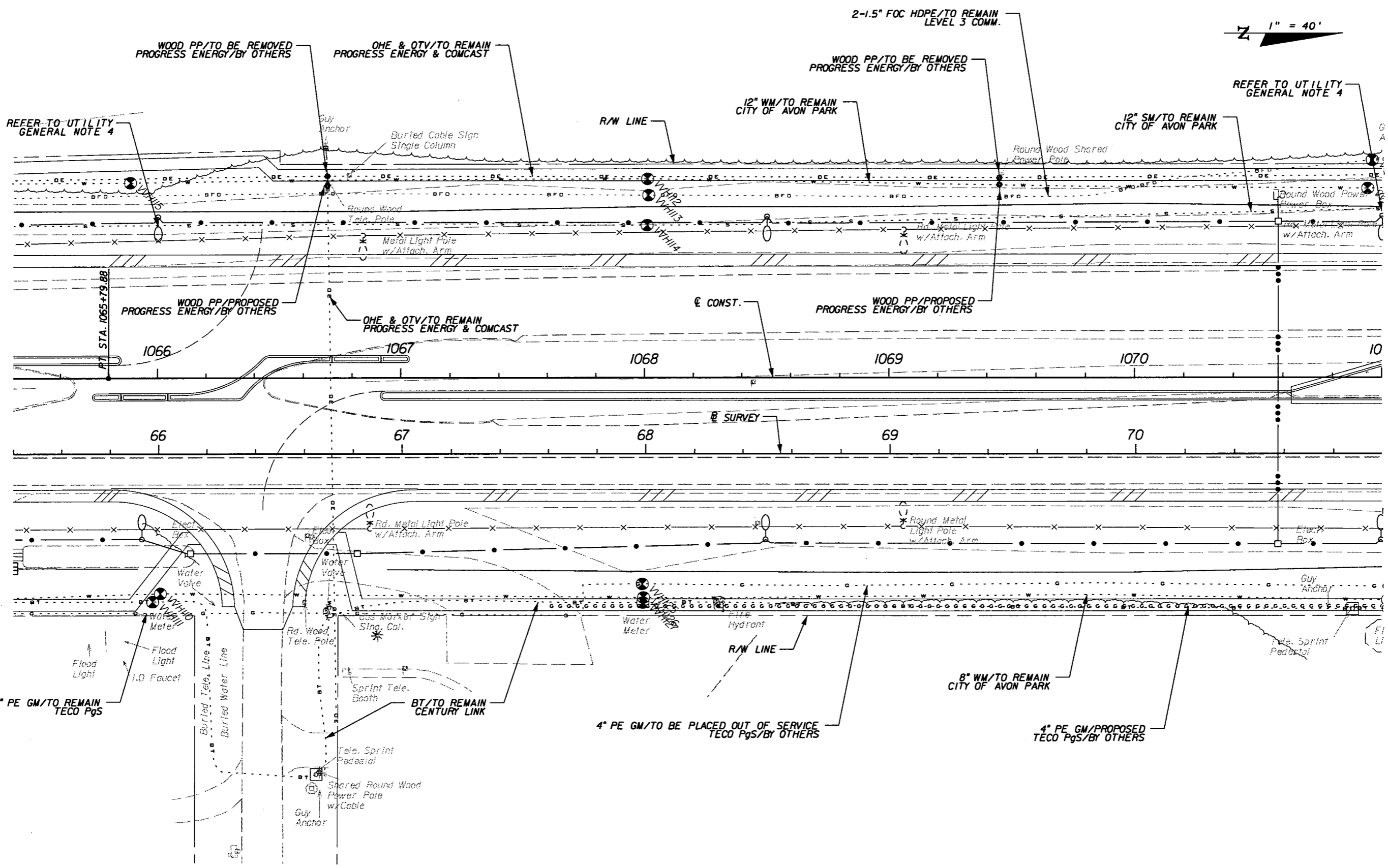
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (2)**

SHEET NO.  
253

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.

1" = 40'



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

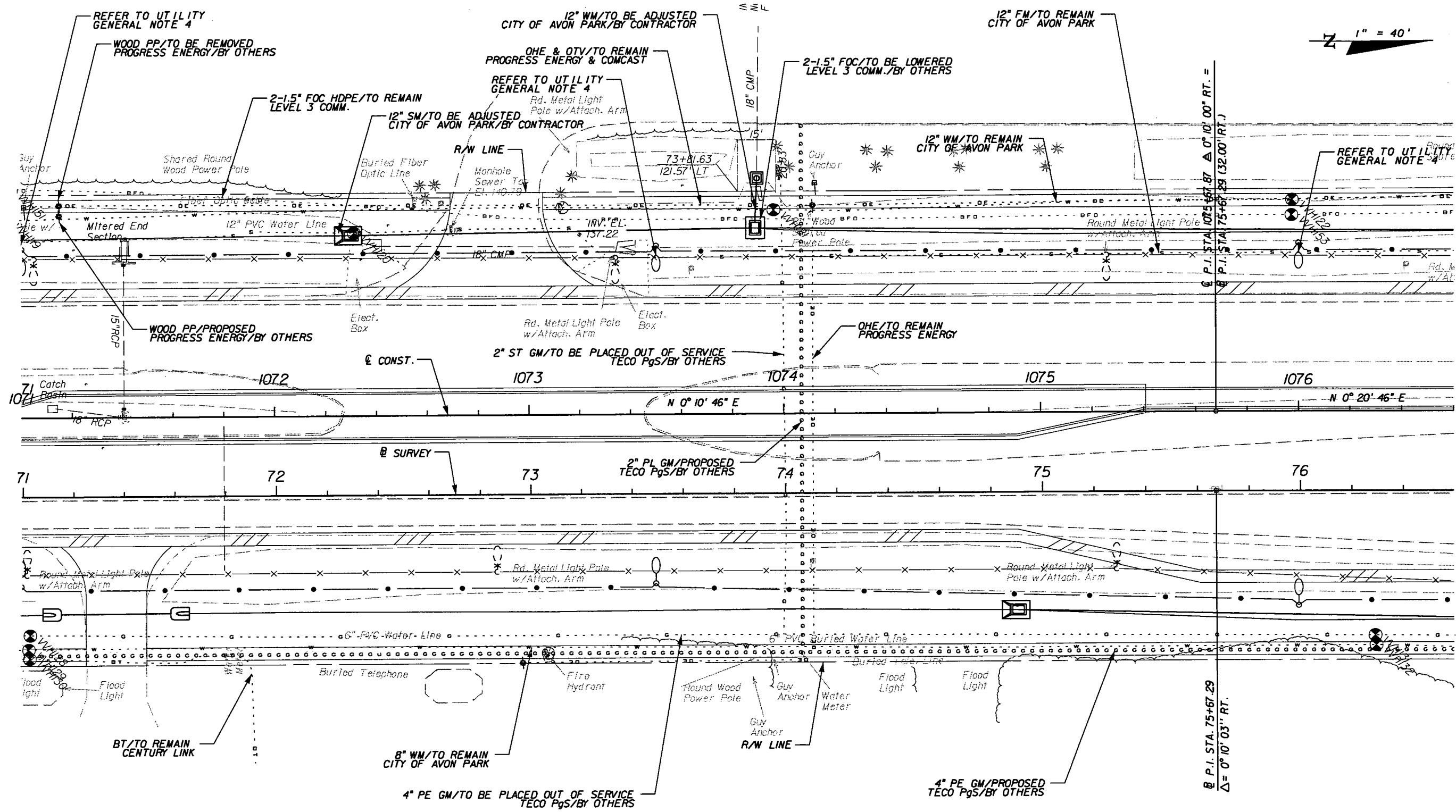
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (3)**

SHEET NO.  
254

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.



1" = 40'

P.I. STA. 75+67.87 Δ = 0° 01' 00" RT. =  
P.I. STA. 75+67.29 (32.00' RT.)  
P.I. STA. 75+67.29 Δ = 0° 10' 03" RT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

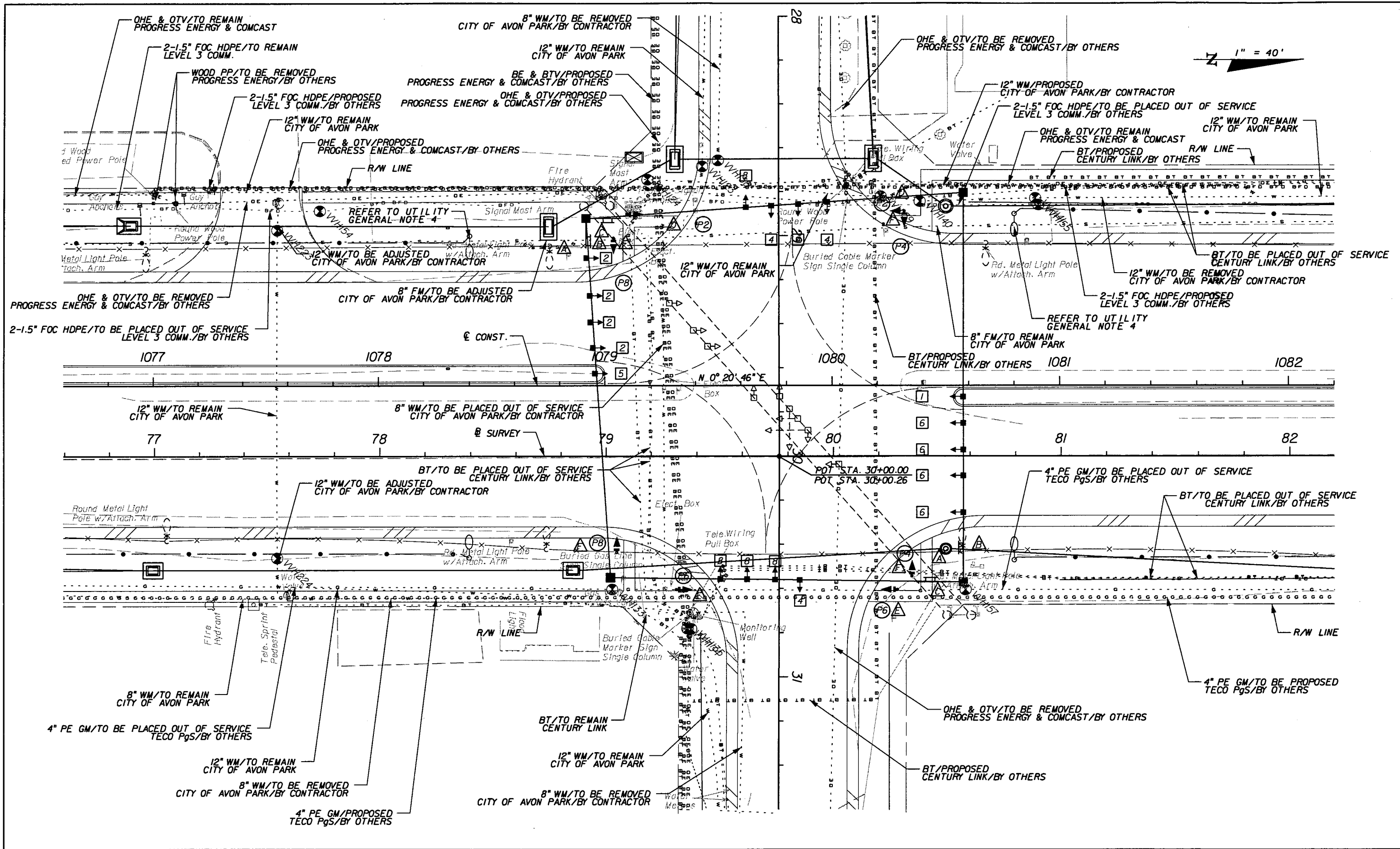
**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (4)**

SHEET NO.  
255

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



1" = 40'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

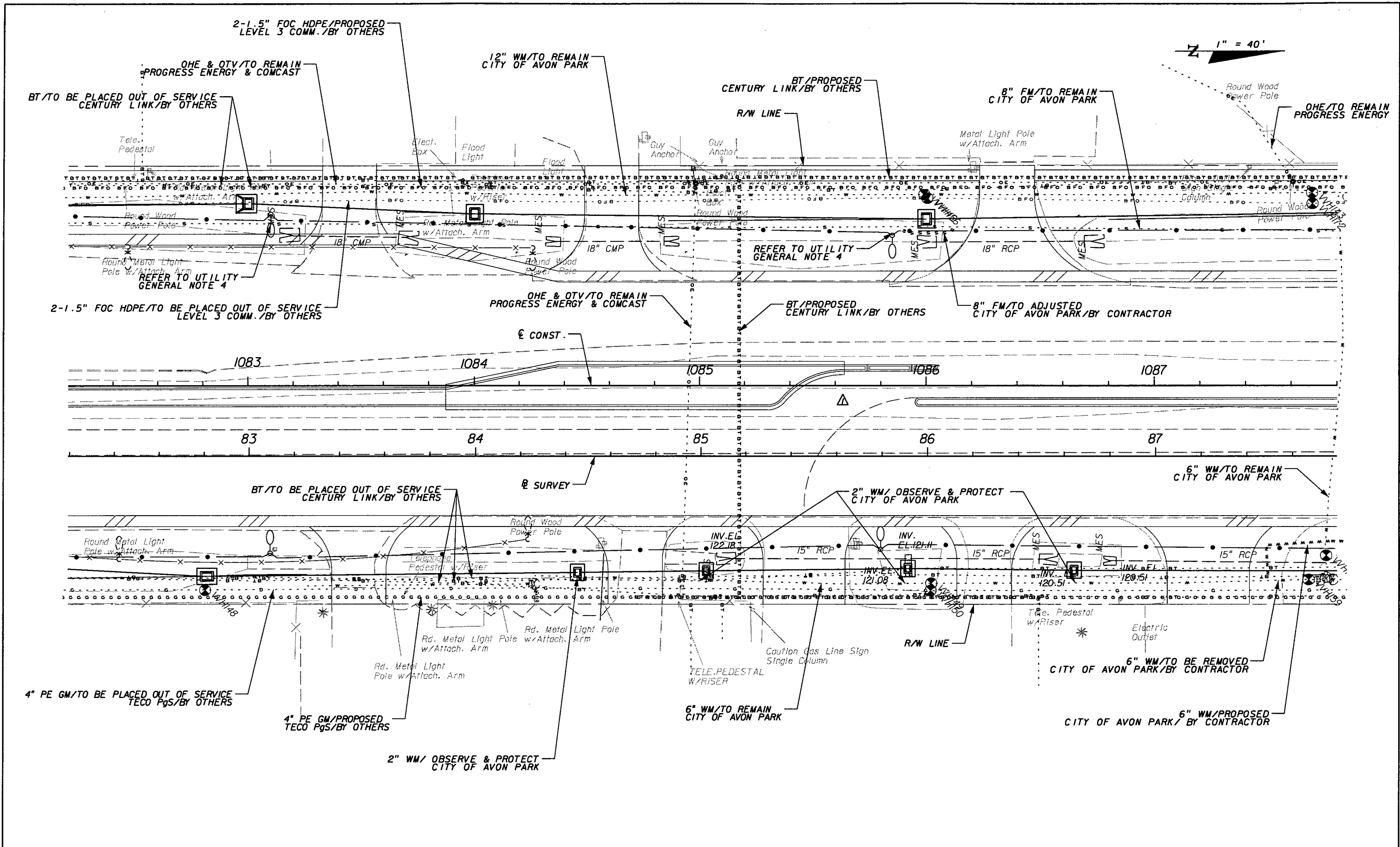
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (5)**

SHEET NO.  
256

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6615-23.003, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	△ ADDED SB DIRECTIONAL MEDIAN OPENING.			

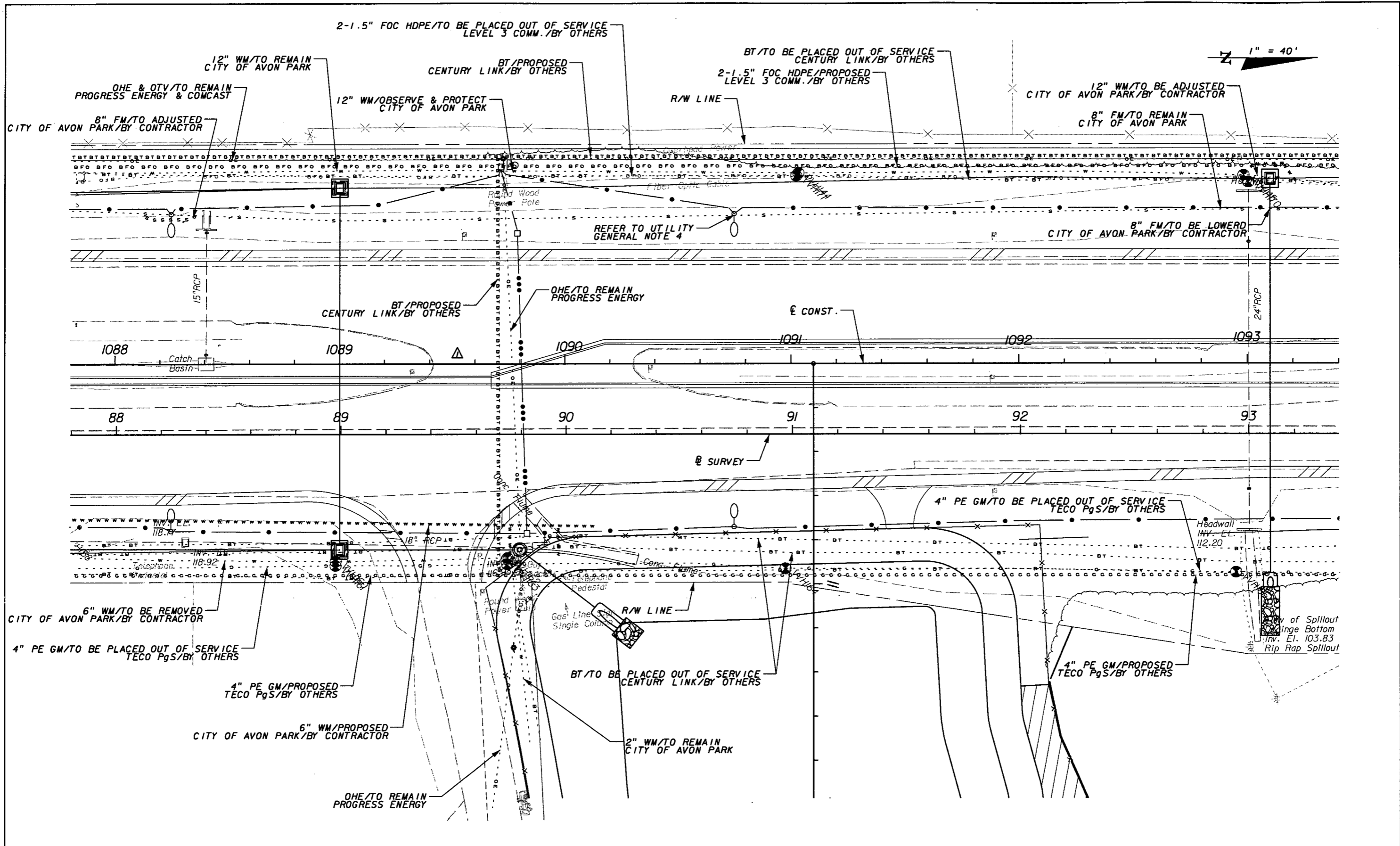
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (6)**

SHEET NO.  
257



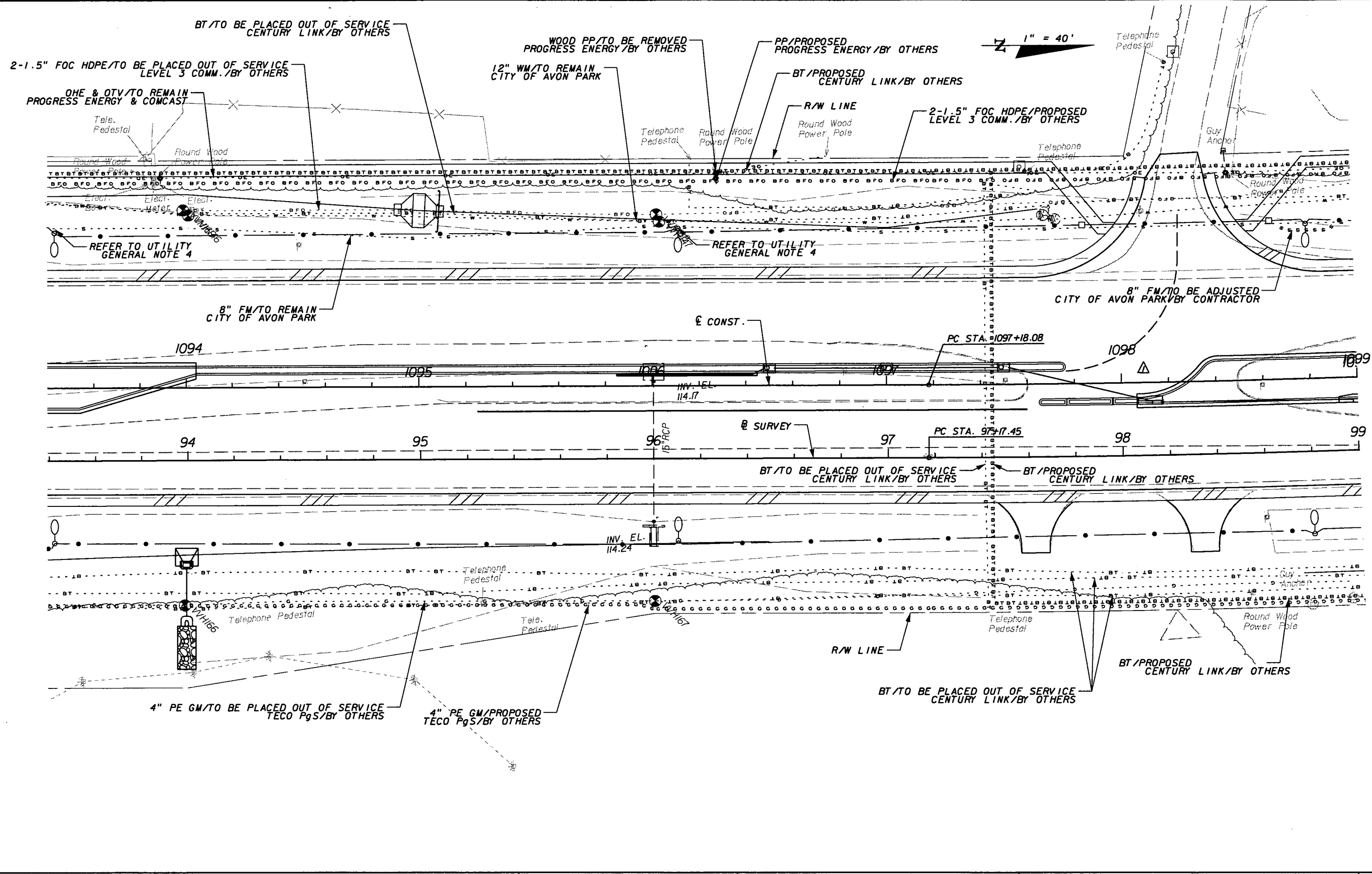
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	Δ REVISED MEDIAN.			

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>UTILITY ADJUSTMENTS (7)</b>	SHEET NO. 258
--------------------------------	------------------

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADDED NB DIRECTIONAL MEDIAN OPENING.			

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

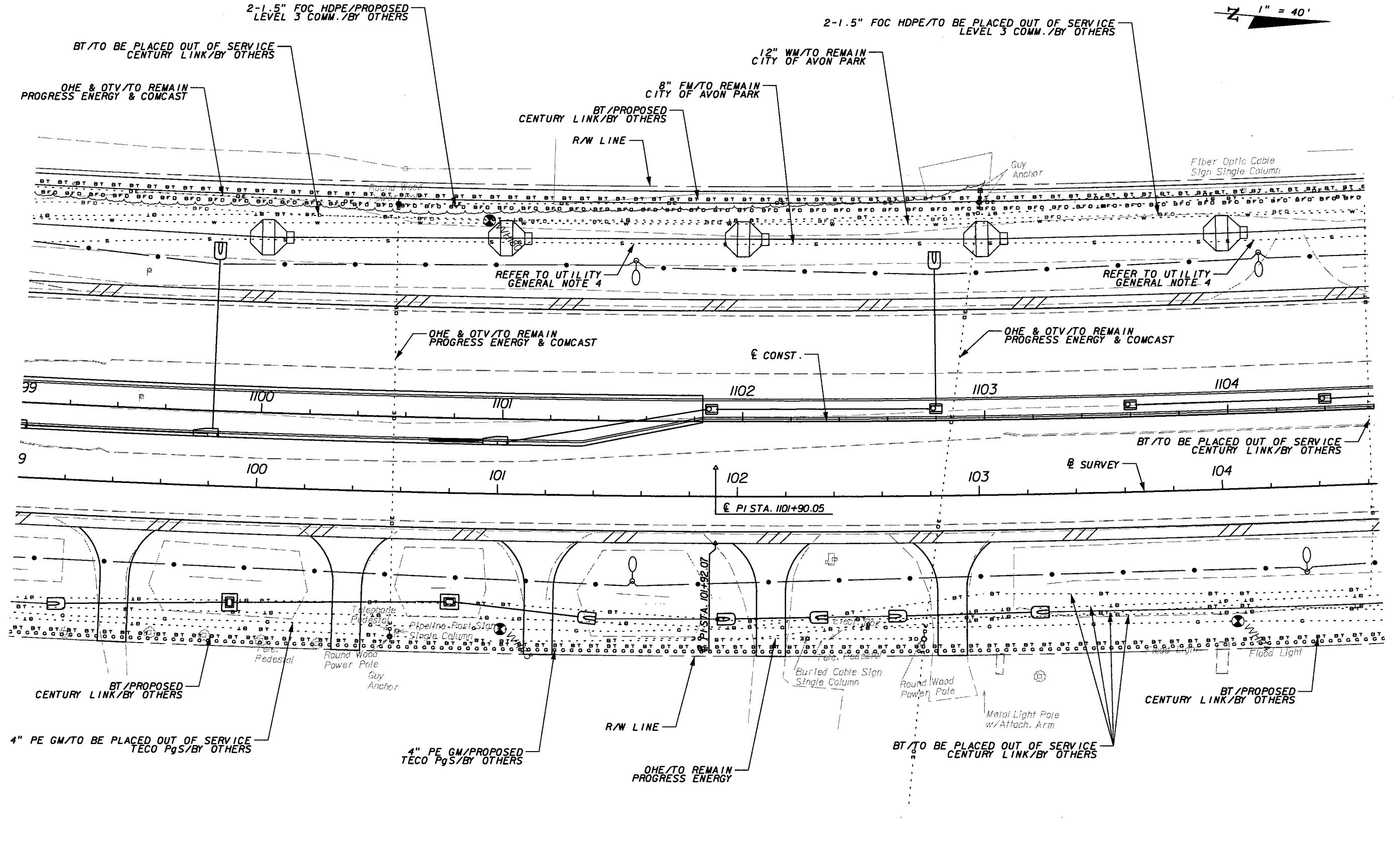
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (8)**

SHEET NO.  
259

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.

1" = 40'



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

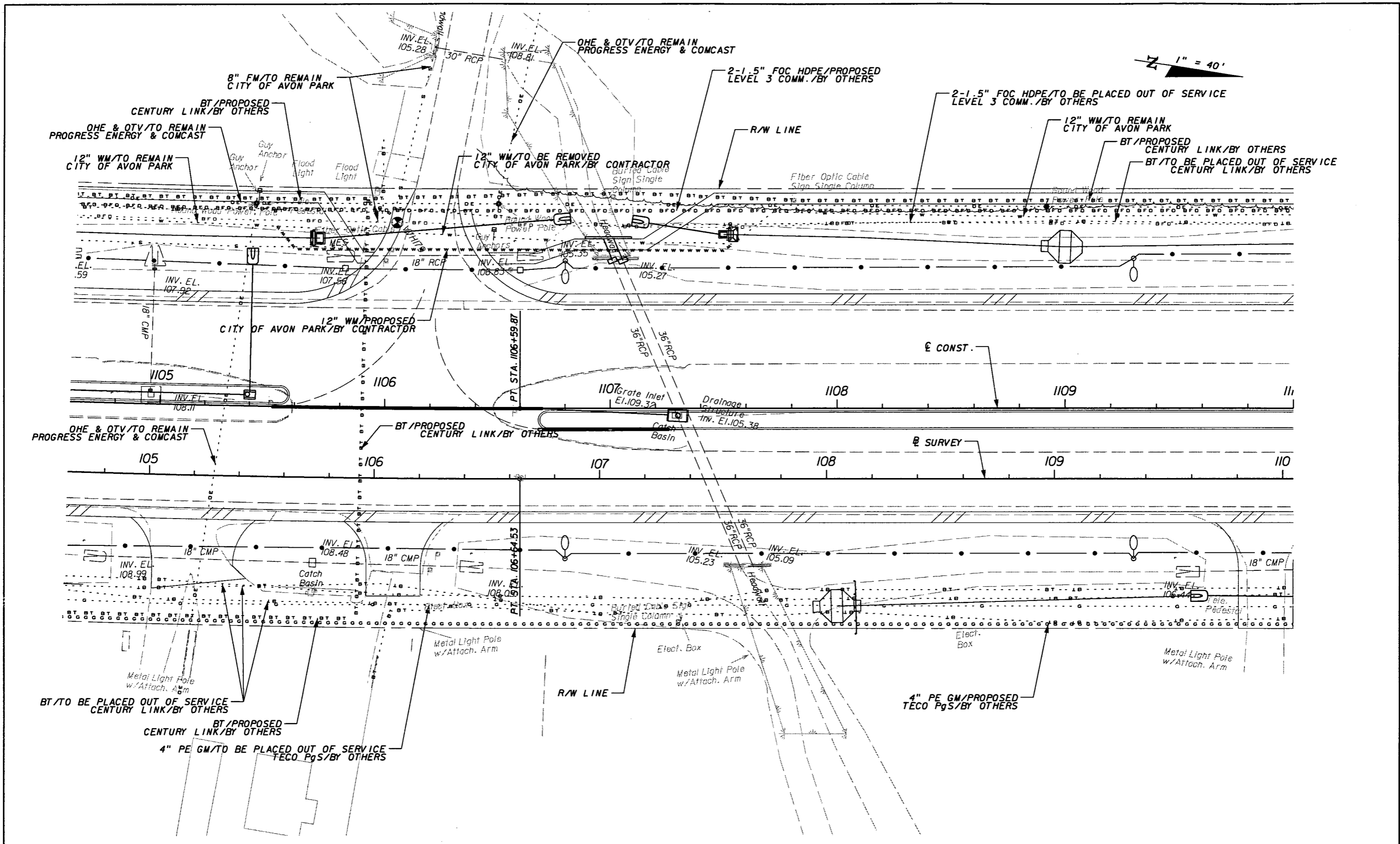
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (9)**

SHEET NO.  
260

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.





1" = 40'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

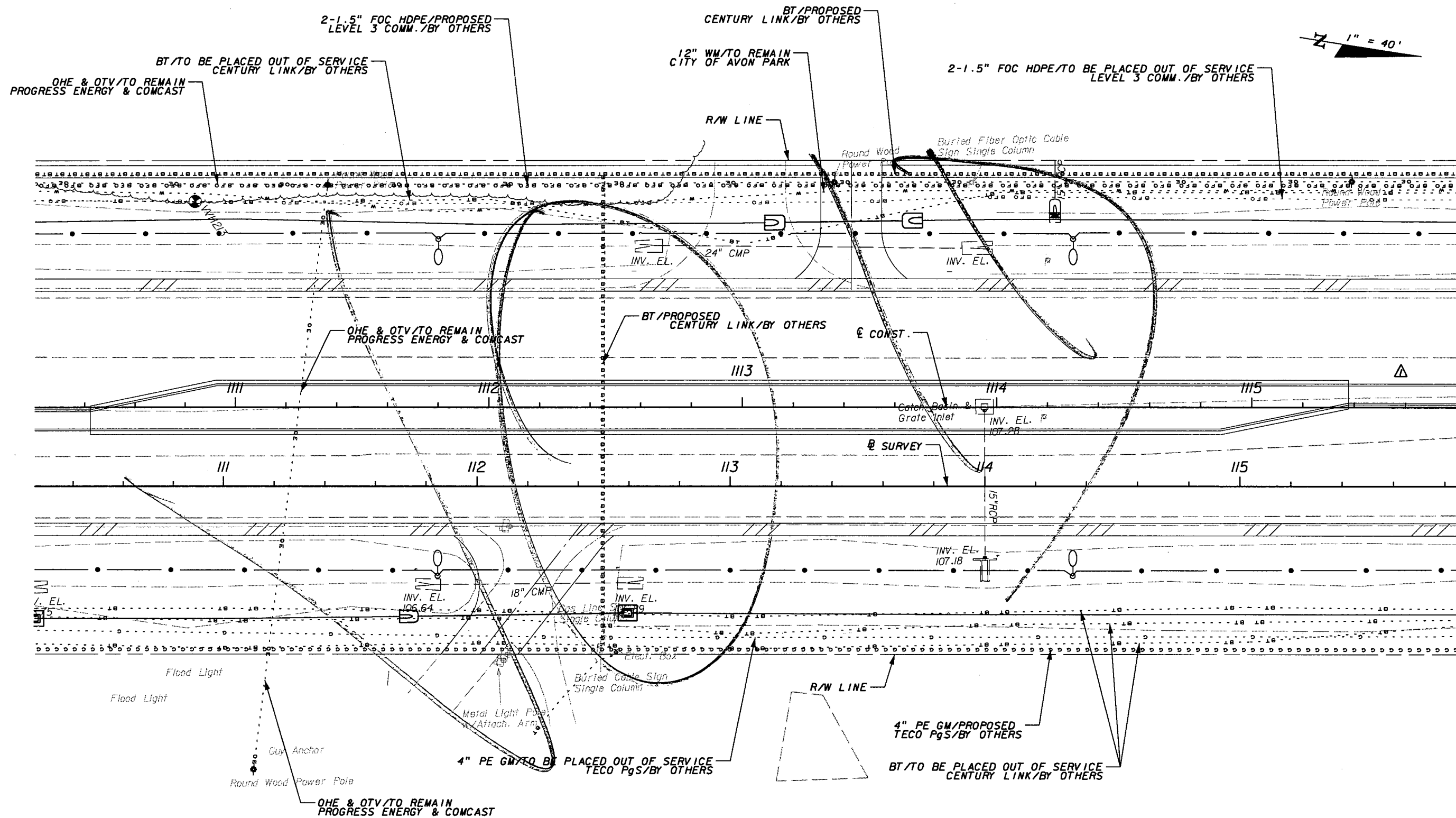
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (10)**

SHEET NO.  
261

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.

1" = 40'



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	△ REVISED MEDIAN.			

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

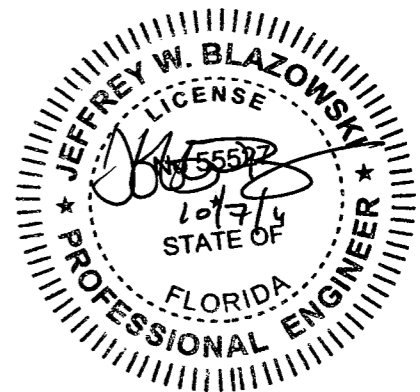
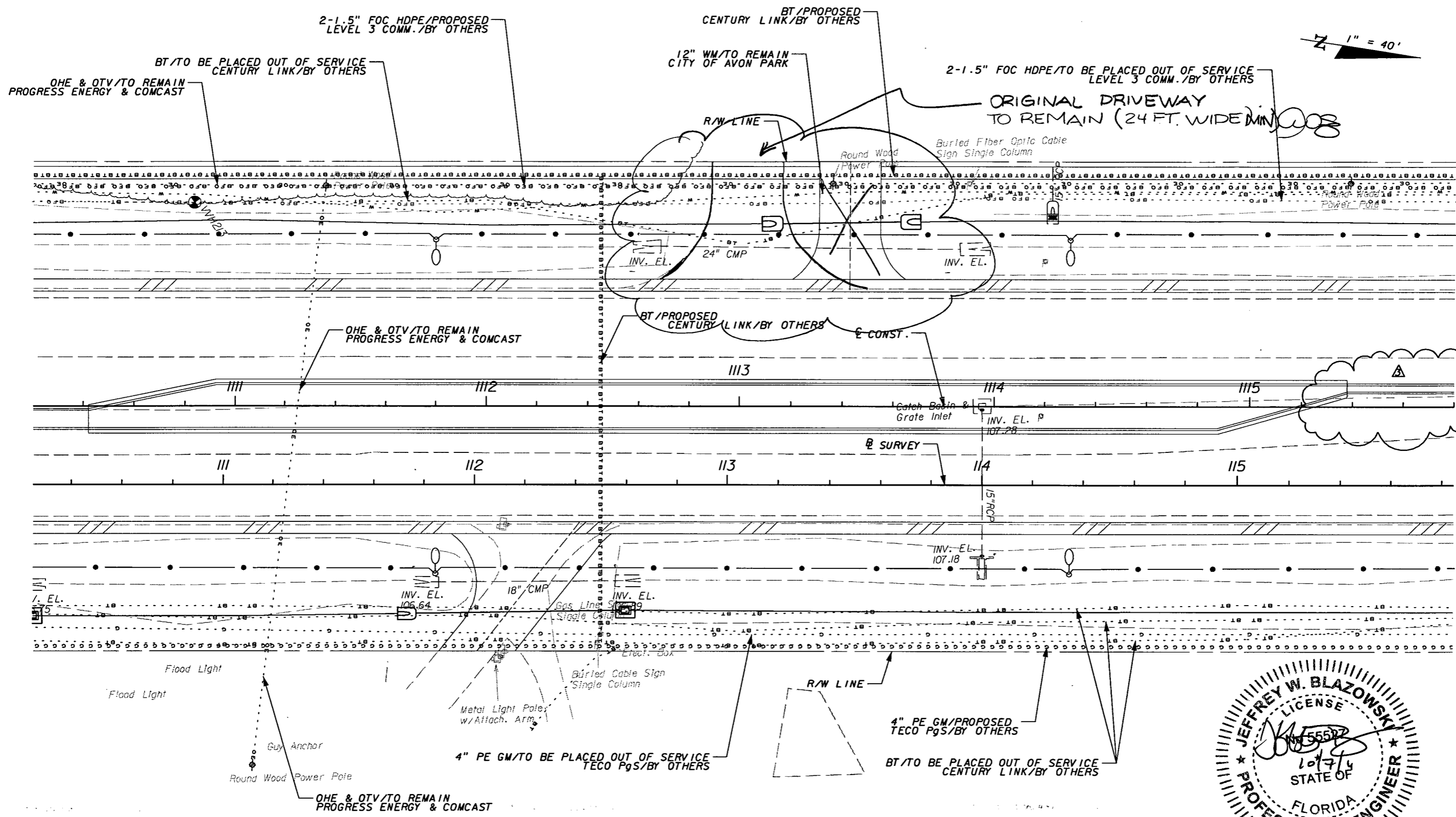
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (11)**

SHEET NO.  
262

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.

1" = 40'



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	△ REVISED MEDIAN.			
10/7/11	JWB	△ REVISED MEDIAN.			

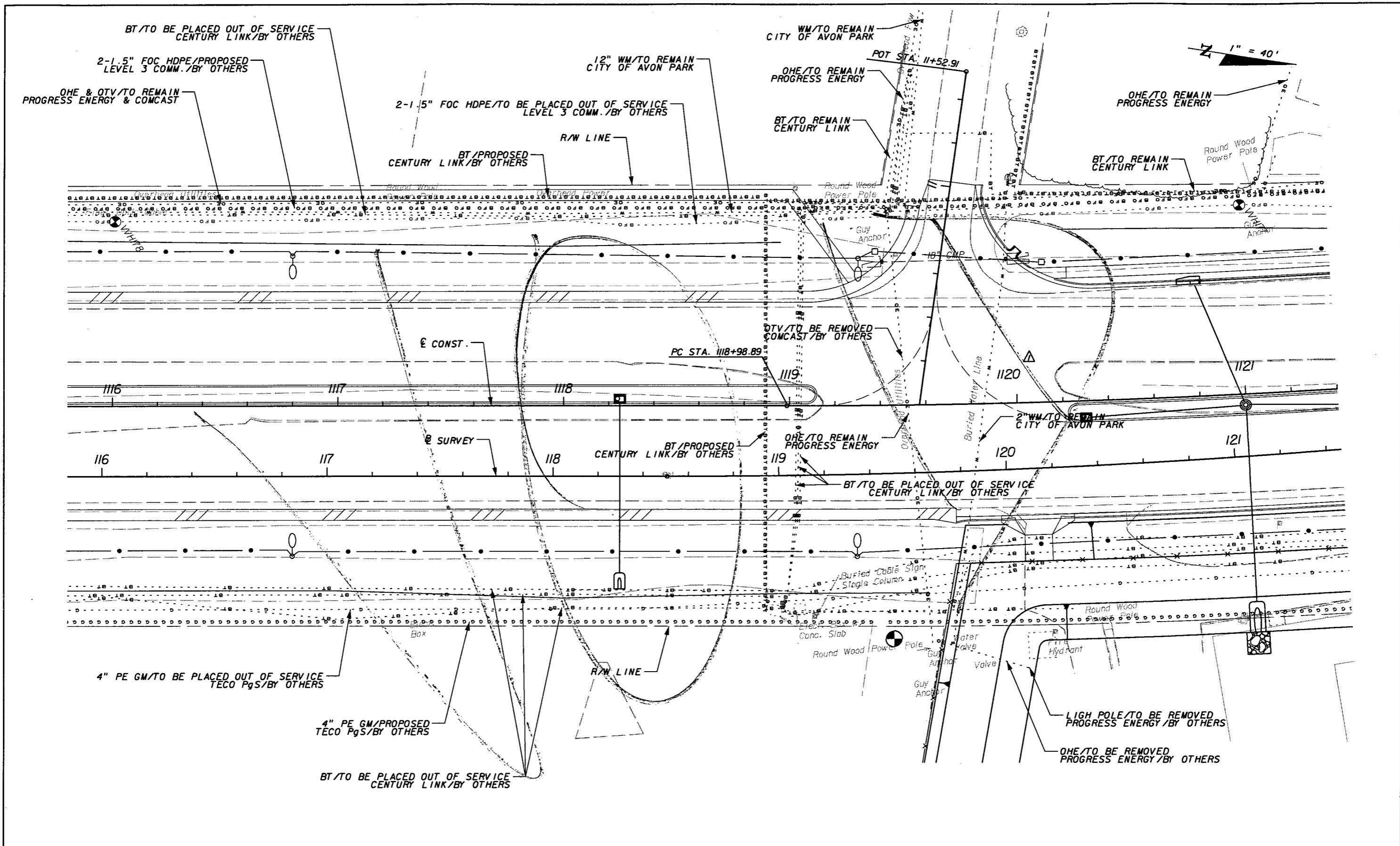
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (11)**

SHEET NO. 262

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADDED FULL MEDIAN OPENING.			

**URS**

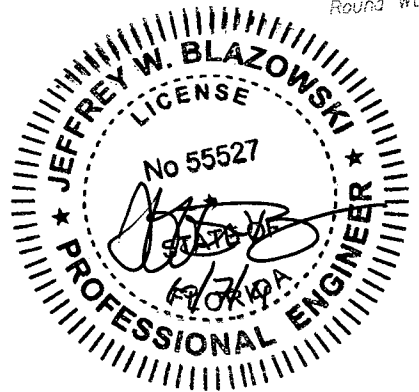
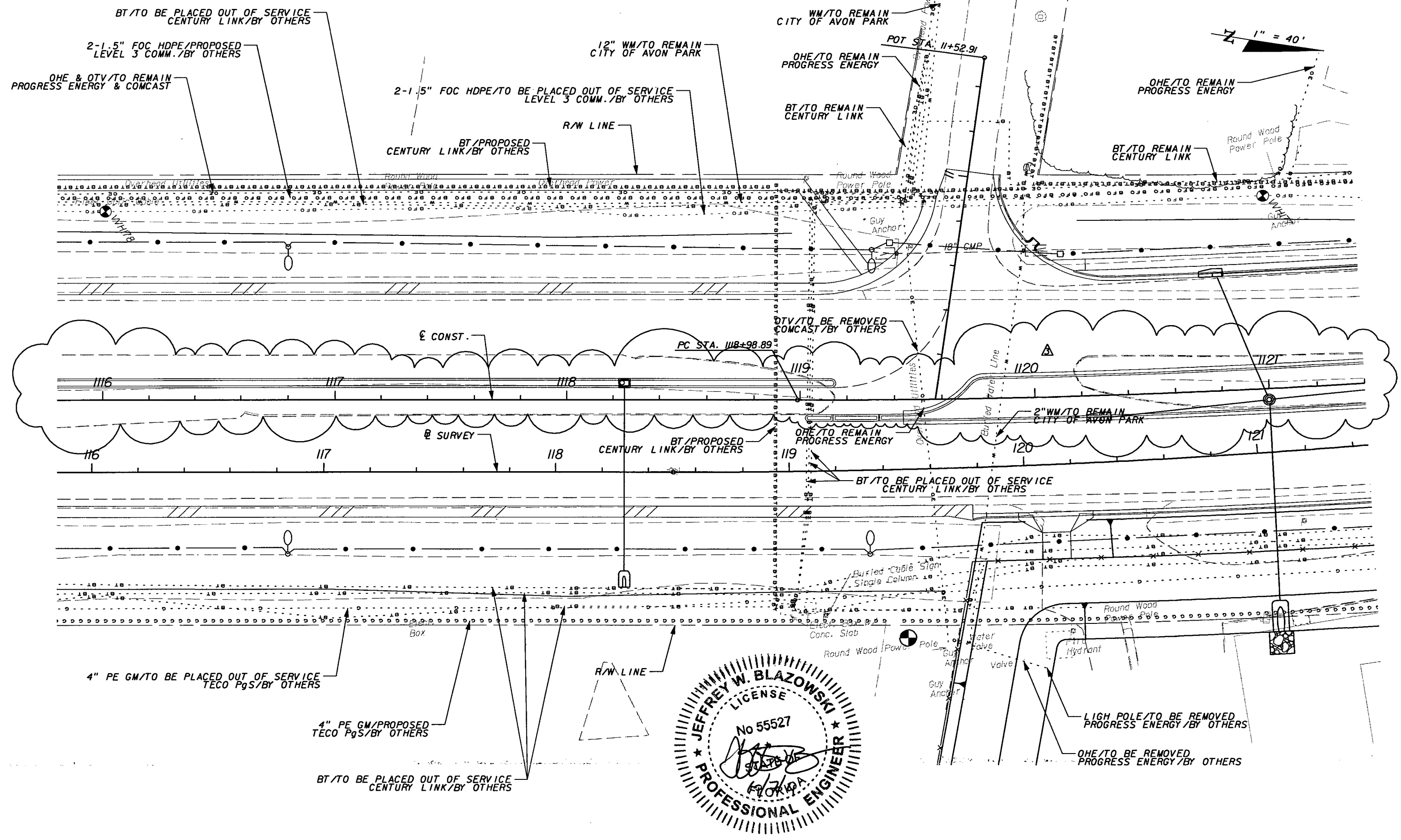
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

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

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (12)**

SHEET NO.  
263



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	△ ADDED FULL MEDIAN OPENING.			
10/7/11	JWB	△ REVISED MEDIAN OPENING.			

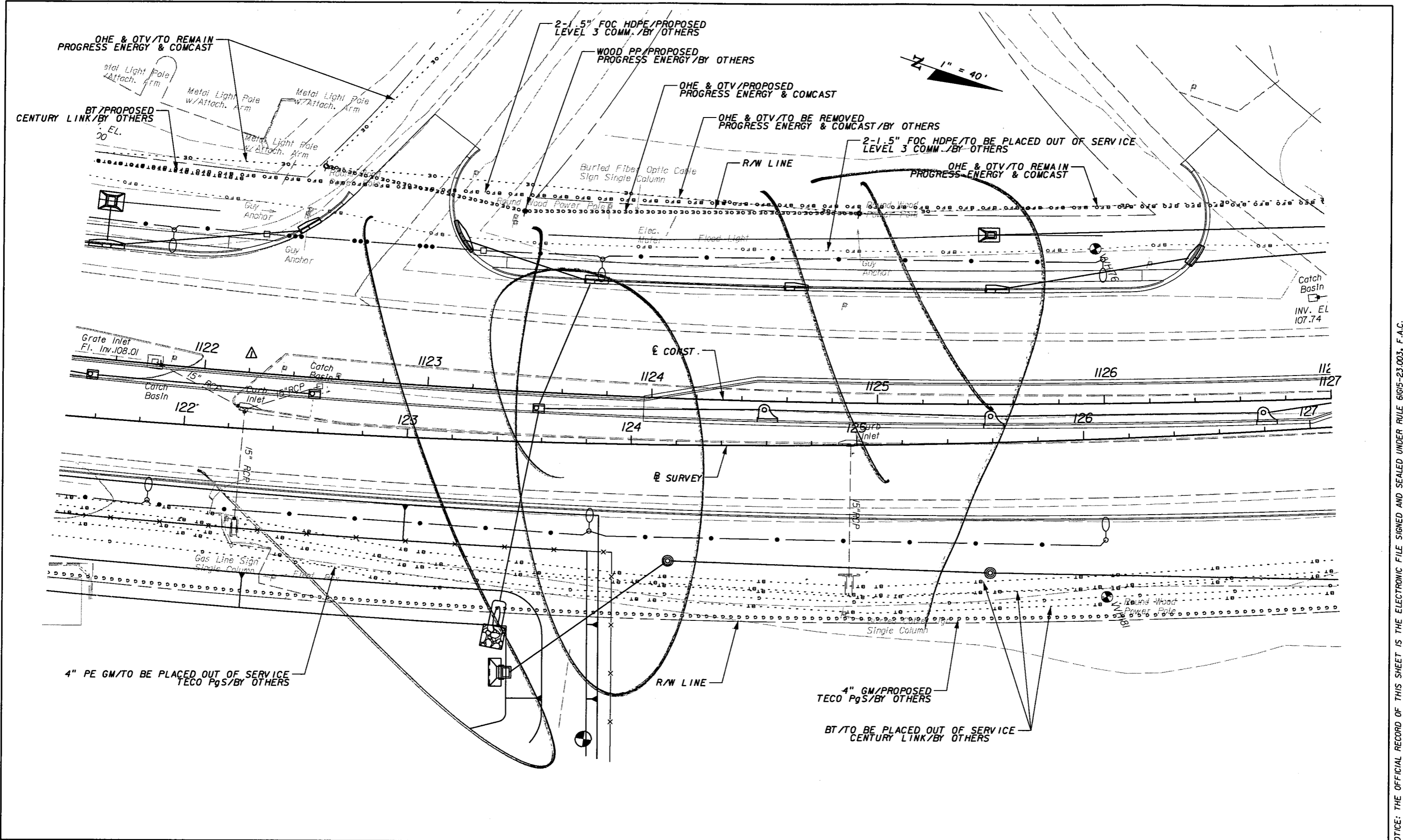
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (12)**

SHEET NO.	263
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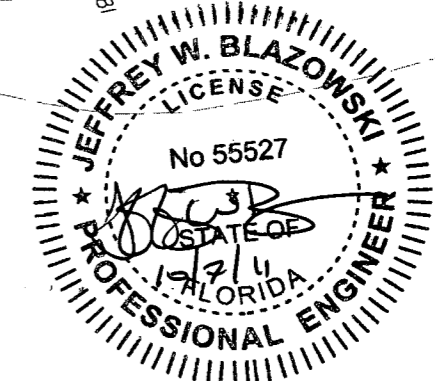
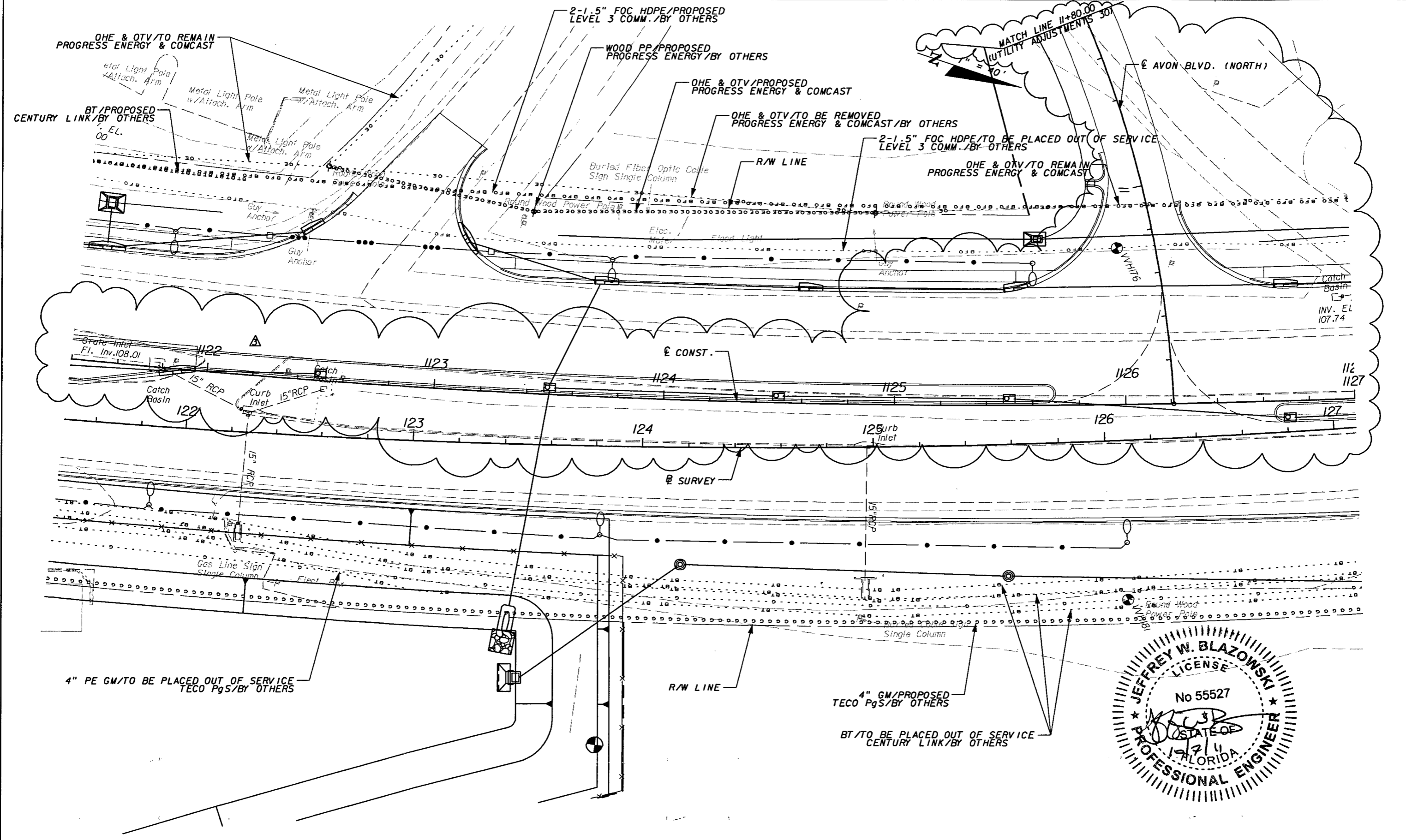
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	△ CLOSED FULL MEDIAN OPENING.			

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>UTILITY ADJUSTMENTS (13)</b>	SHEET NO. 264
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	△ CLOSED FULL MEDIAN OPENING.			
10/7/11	JWB	△ REALIGNED AVON BLVD. NORTH AND ADDED FULL MEDIAN OPENING.			

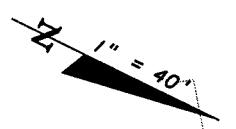
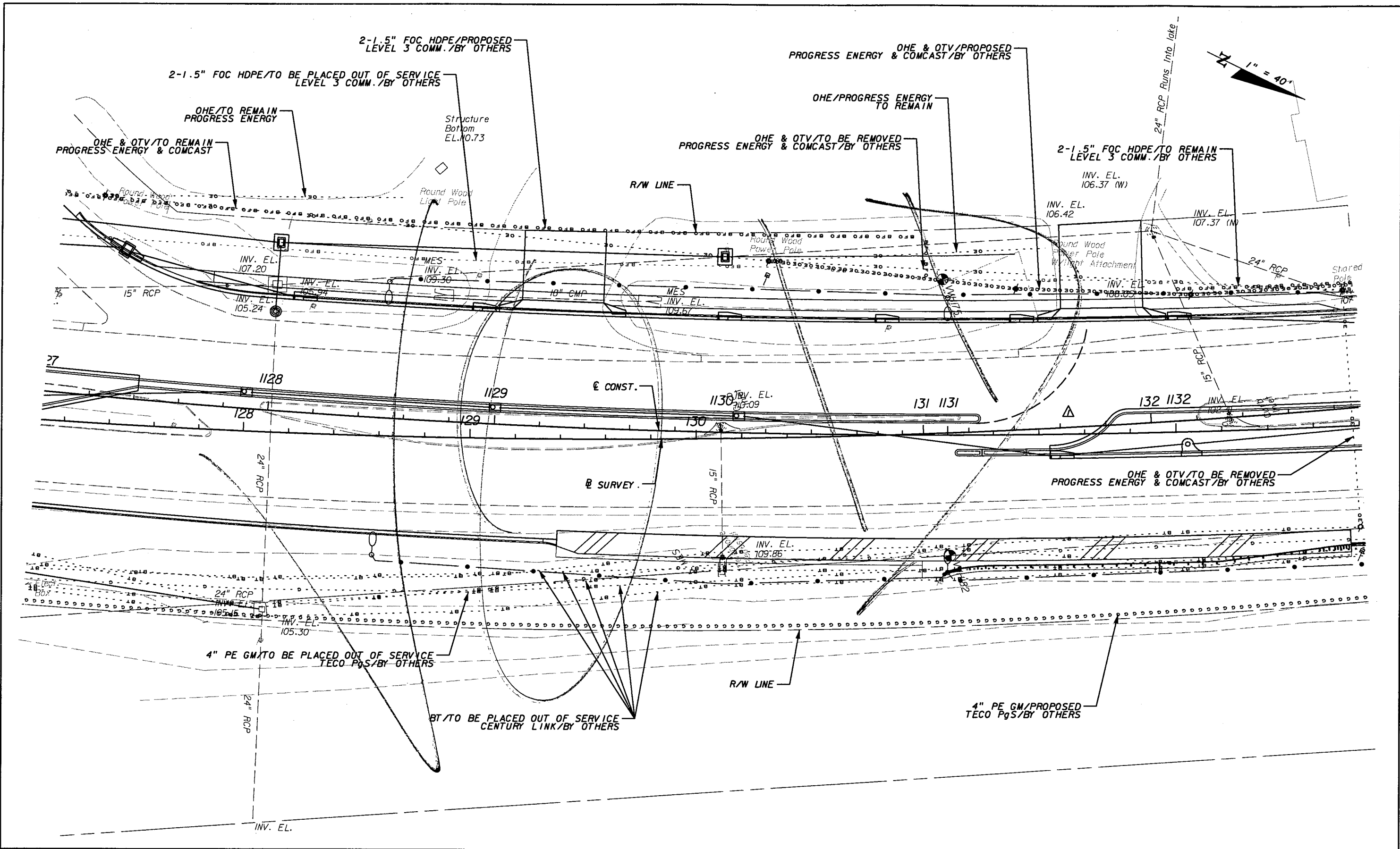
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (13)**

SHEET NO. 264

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADDED NB DIRECTIONAL MEDIAN OPENING.			

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 Jeffrey W. Blazowski, P.E. No. 55527

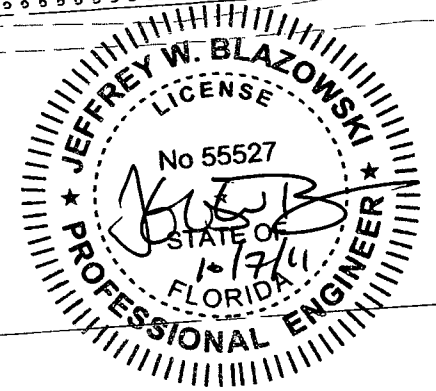
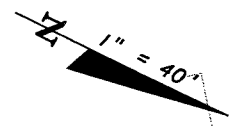
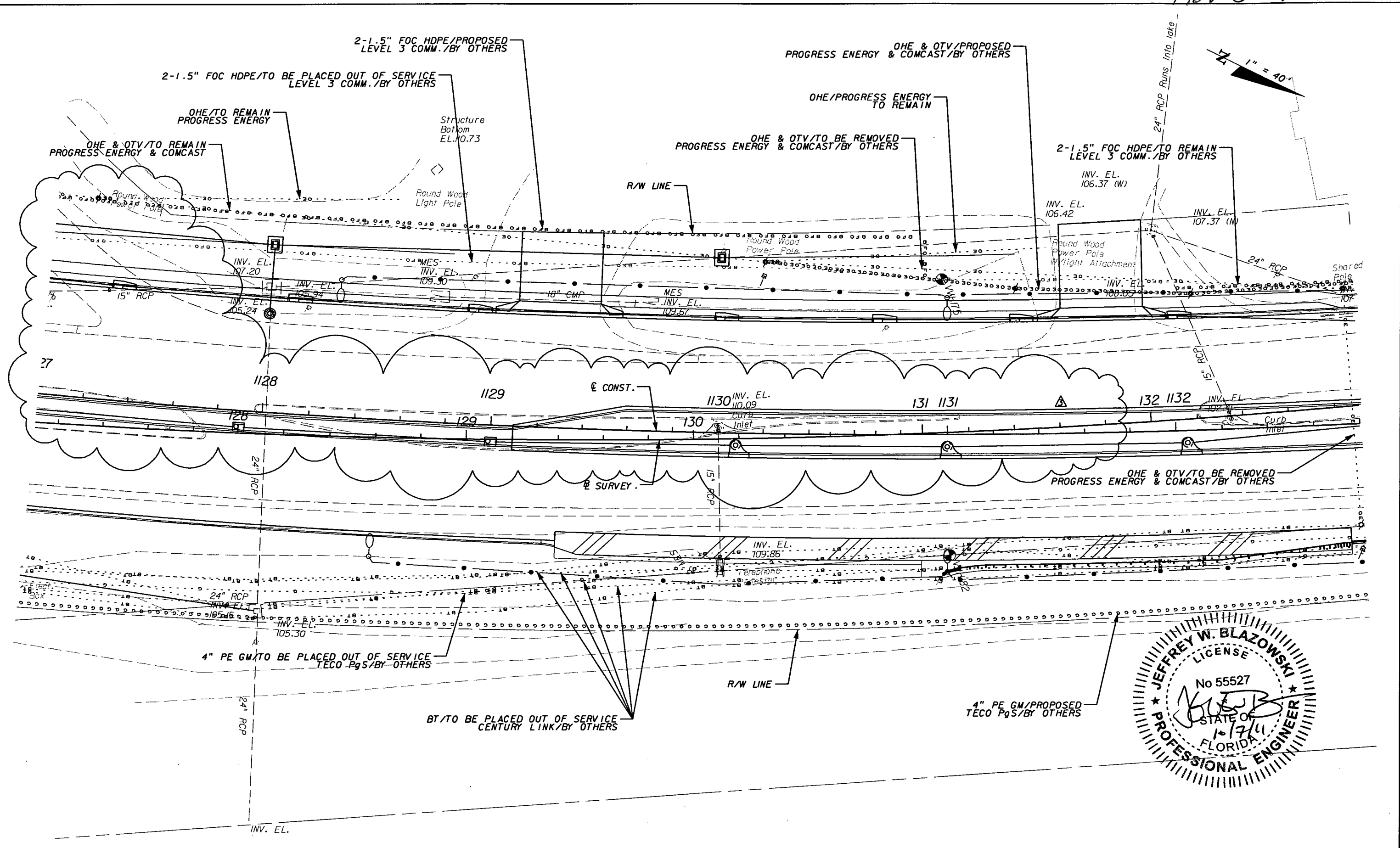
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (14)**

SHEET NO.  
265

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
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10/7/11	JWB	REVISED MEDIAN OPENING.			

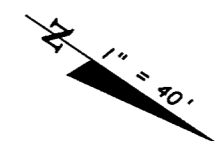
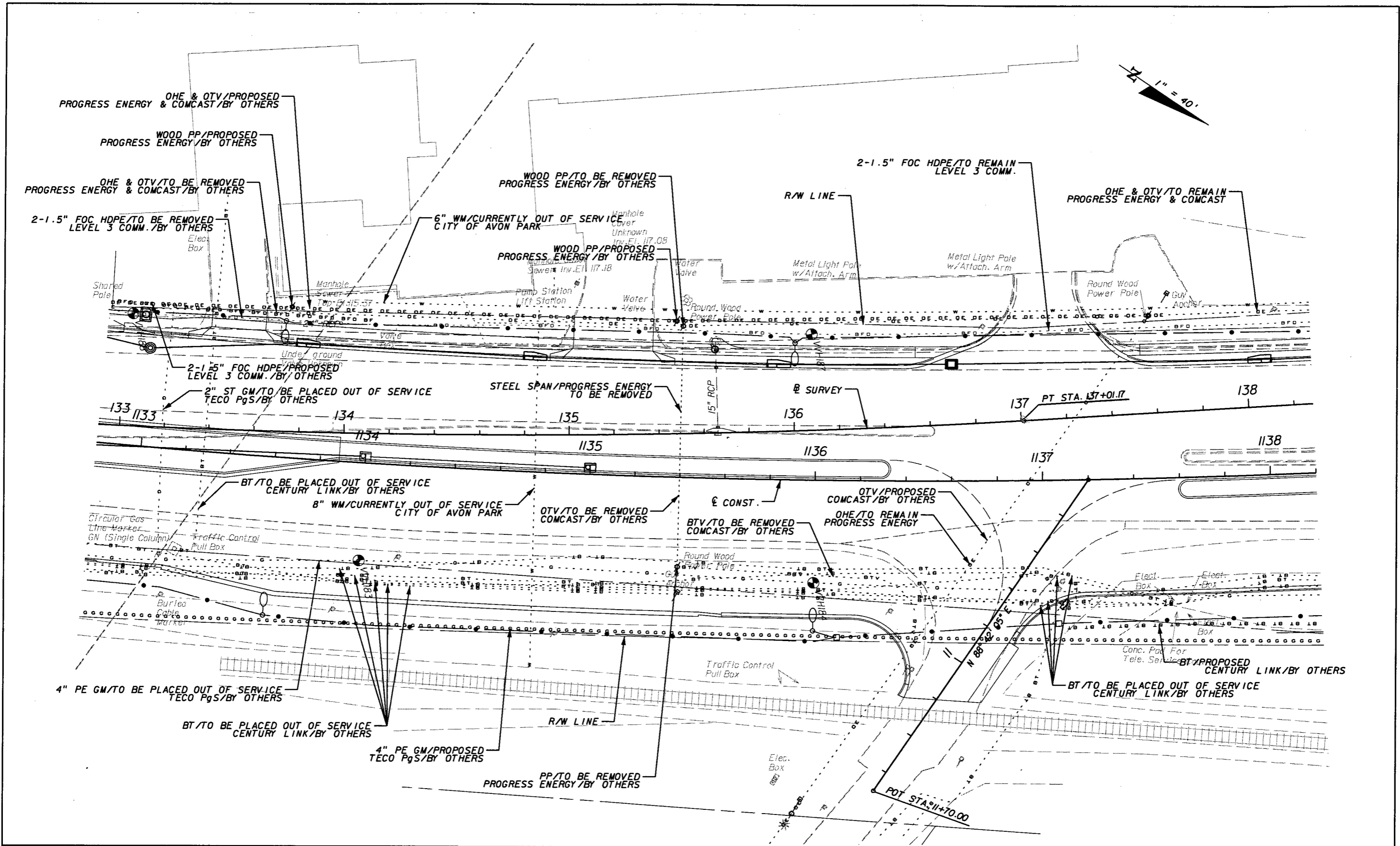
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (14)**

SHEET NO.  
265

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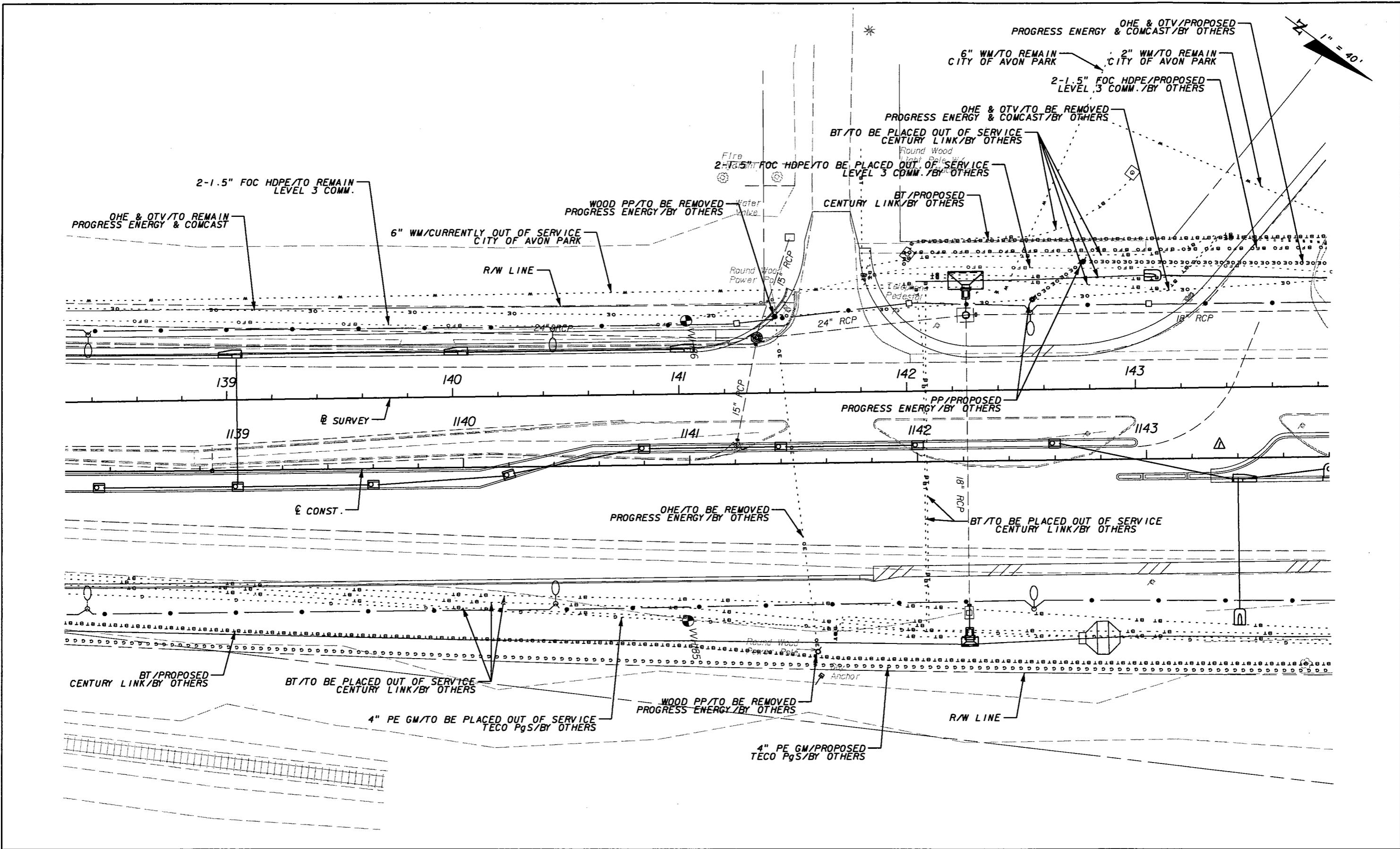
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 Certificate of Authorization No. 00000002  
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

UTILITY ADJUSTMENTS (15)		SHEET NO.
		266

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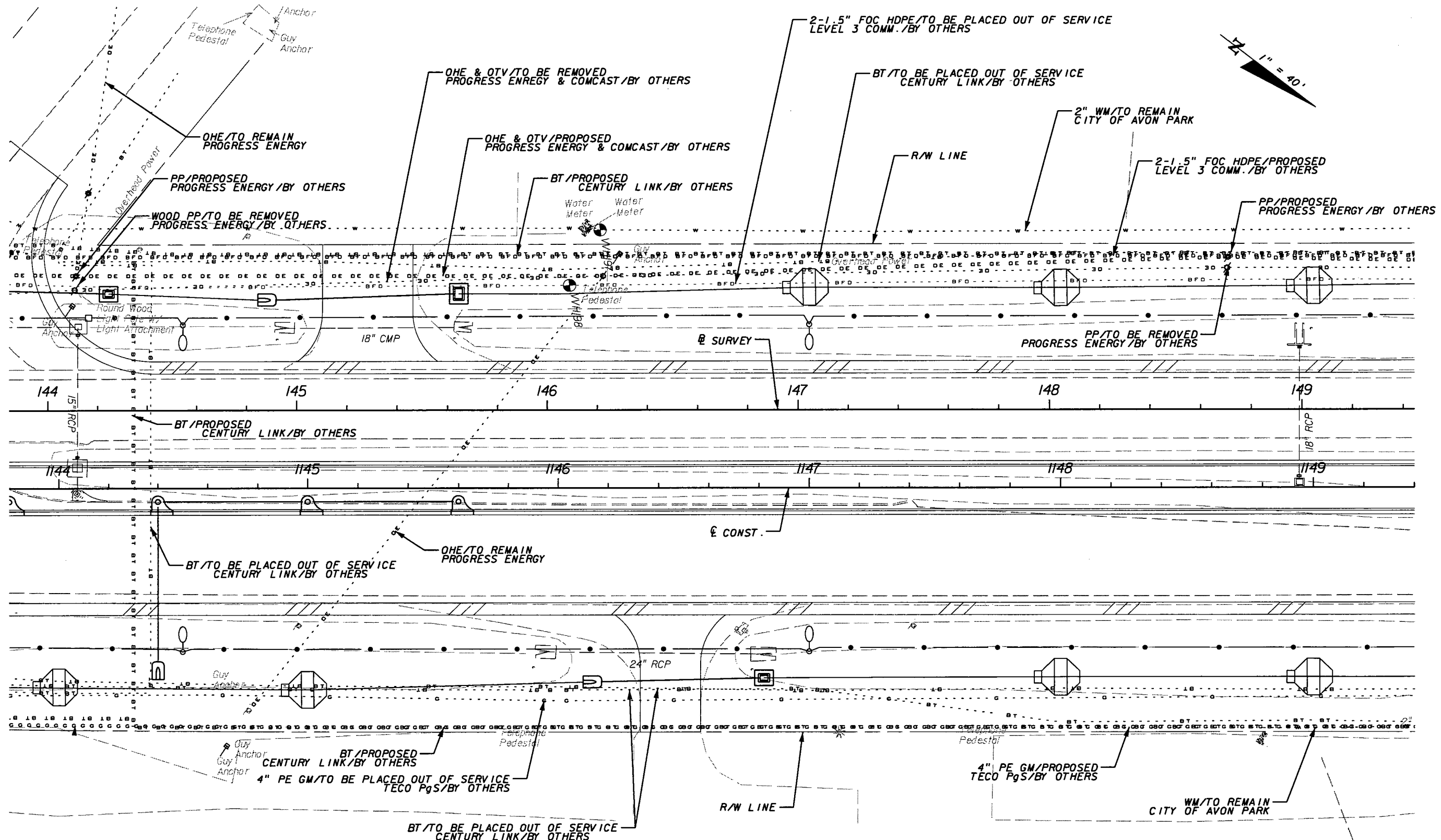
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADDED NB DIRECTIONAL MEDIAN OPENING.			

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>UTILITY ADJUSTMENTS (16)</b>	SHEET NO. 267
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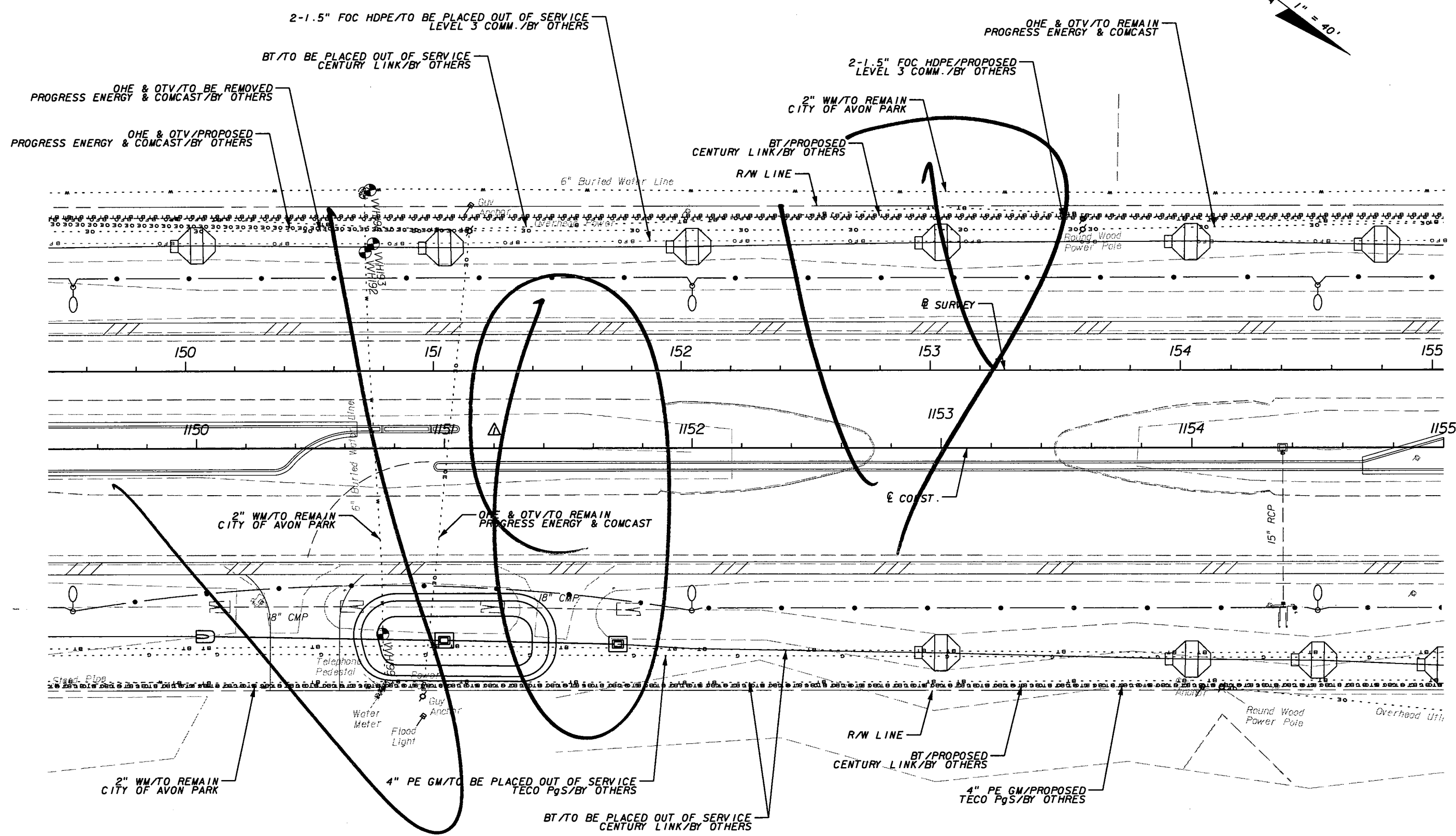
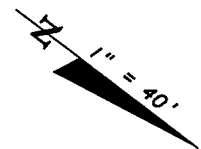
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (17)**

SHEET NO.  
268



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	△ ADDED SB DIRECTIONAL MEDIAN OPENING.			

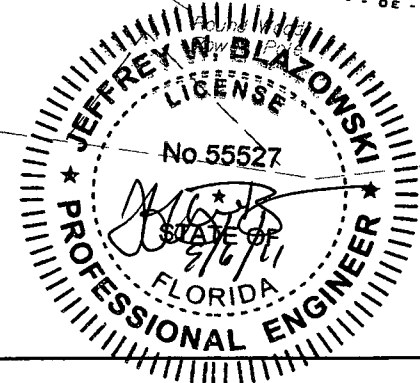
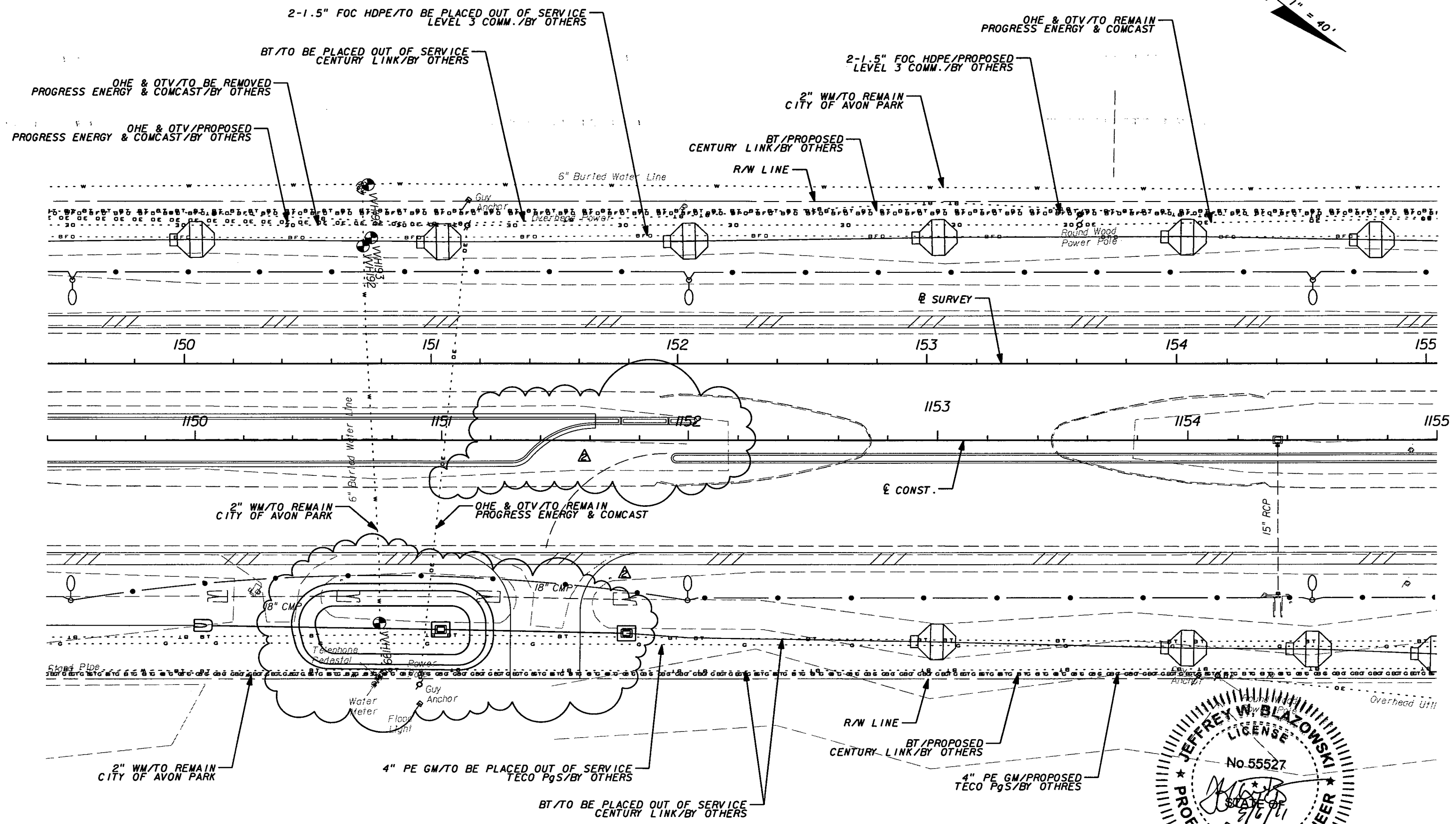
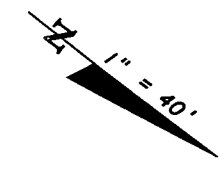
**URS**  
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 Campbell Causeway  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (18)**

SHEET NO.  
269

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	ADDED SB DIRECTIONAL MEDIAN OPENING.			
9/6/11	JWB	RELOCATED SB DIRECTIONAL MEDIAN OPENING, D/W AND POND.			

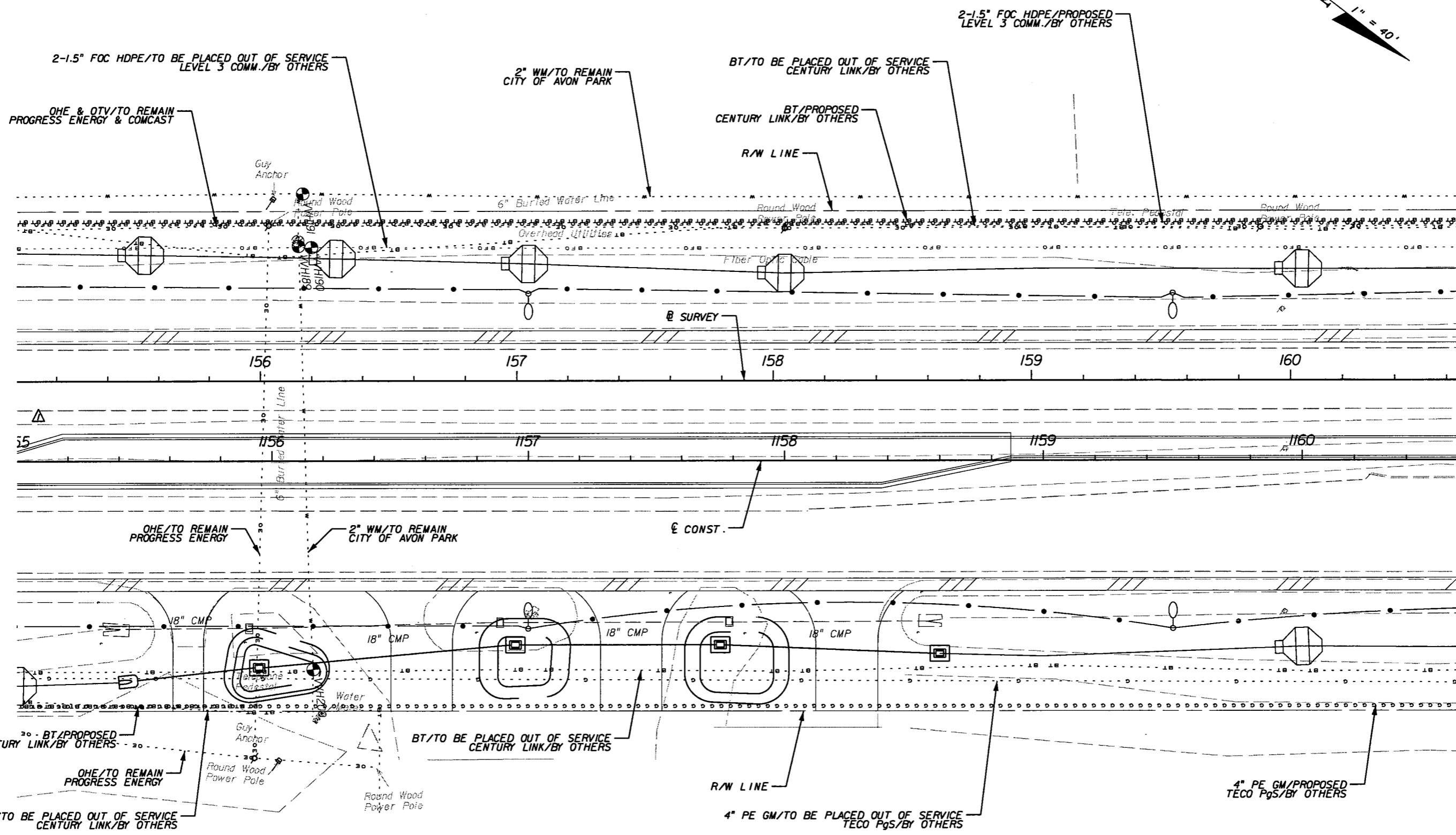
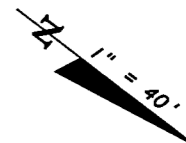
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (18)**

SHEET NO.  
269

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
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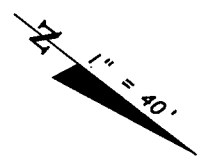
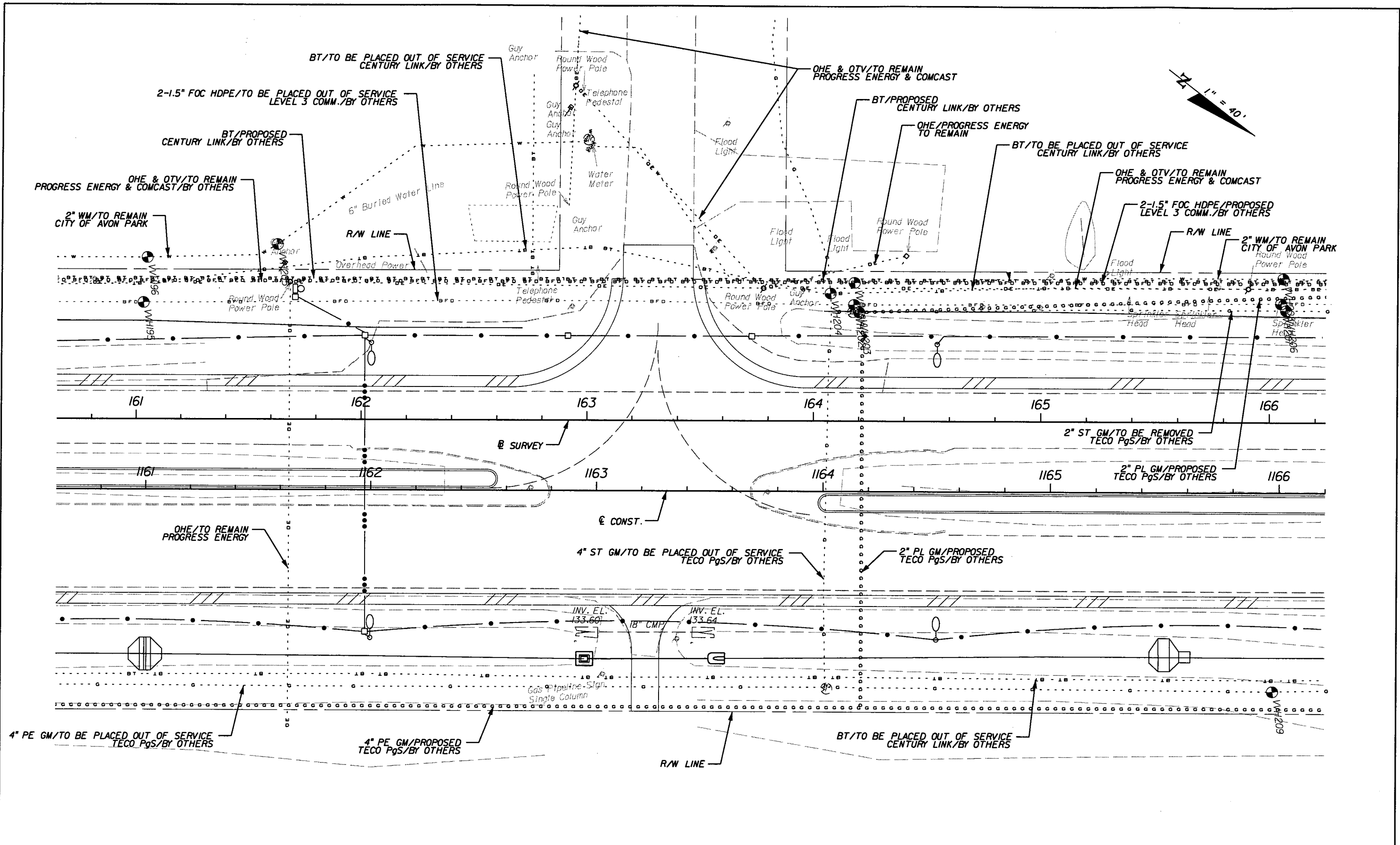
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (19)**

SHEET NO.
270

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

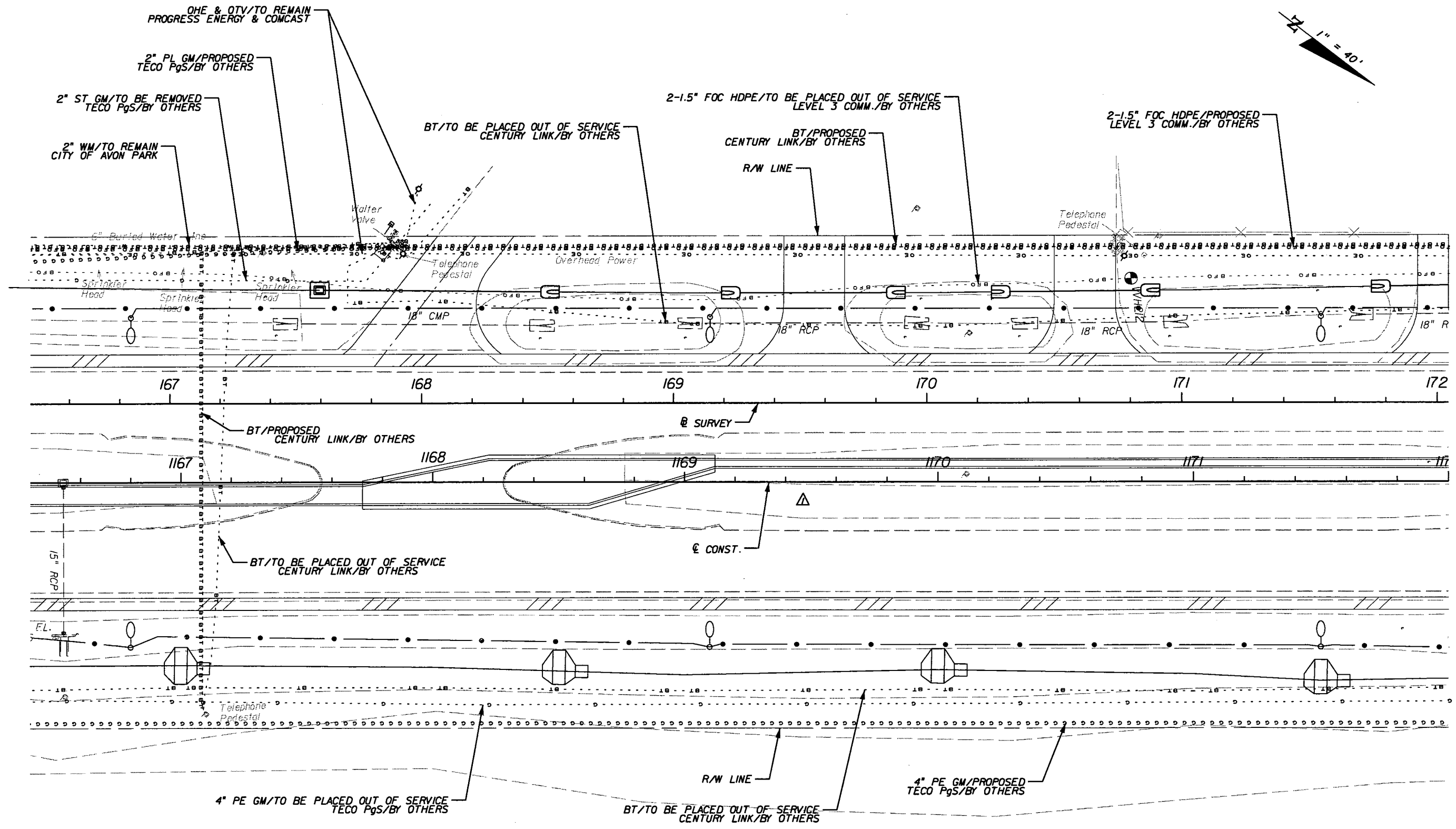
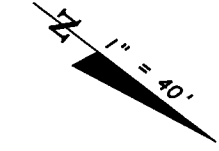
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>UTILITY ADJUSTMENTS (20)</b>	SHEET NO. 271
---------------------------------	------------------

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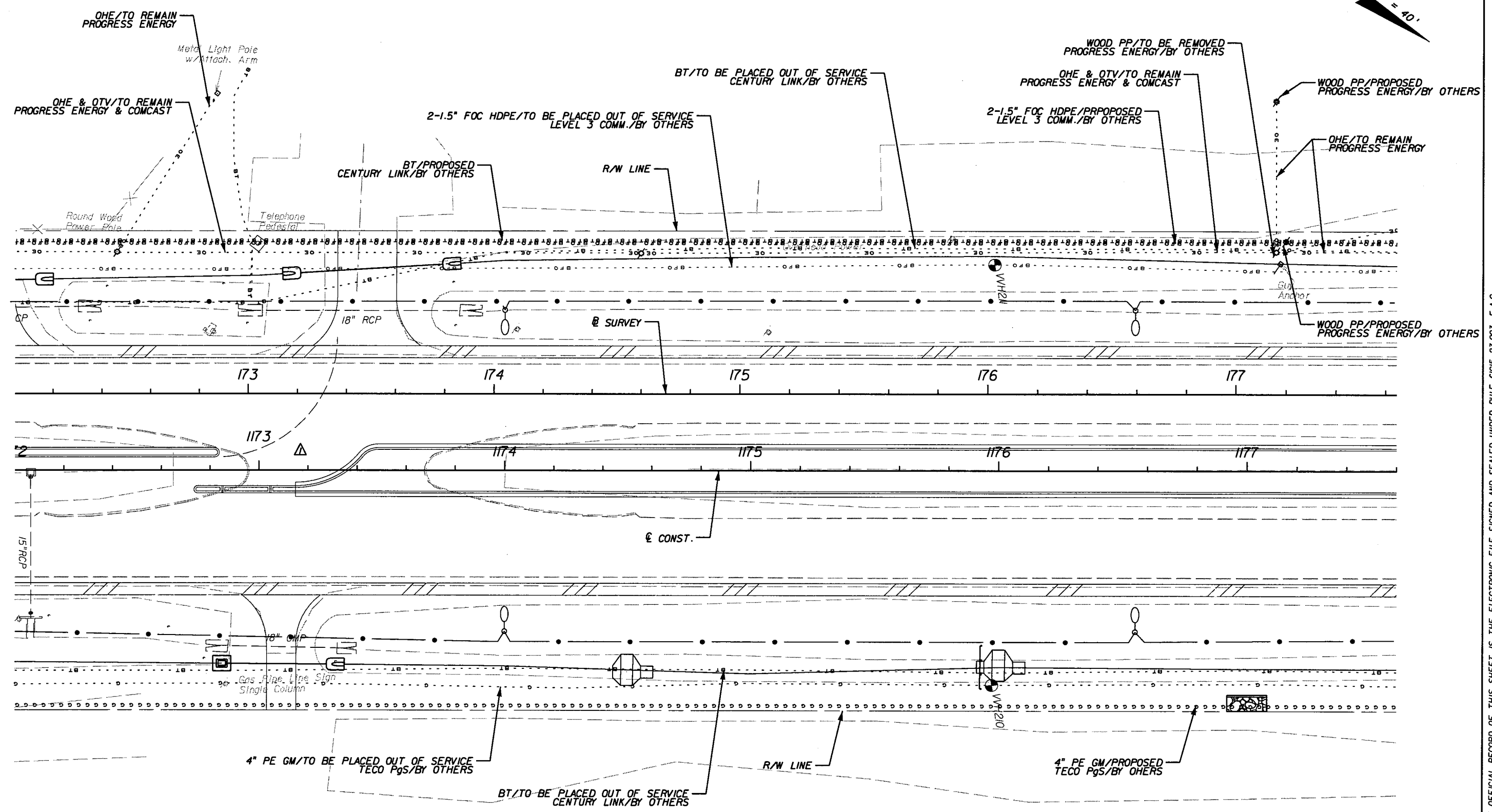
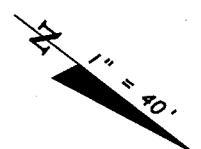
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	Δ REVISED MEDIAN.			

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 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>UTILITY ADJUSTMENTS (21)</b>	SHEET NO. 272
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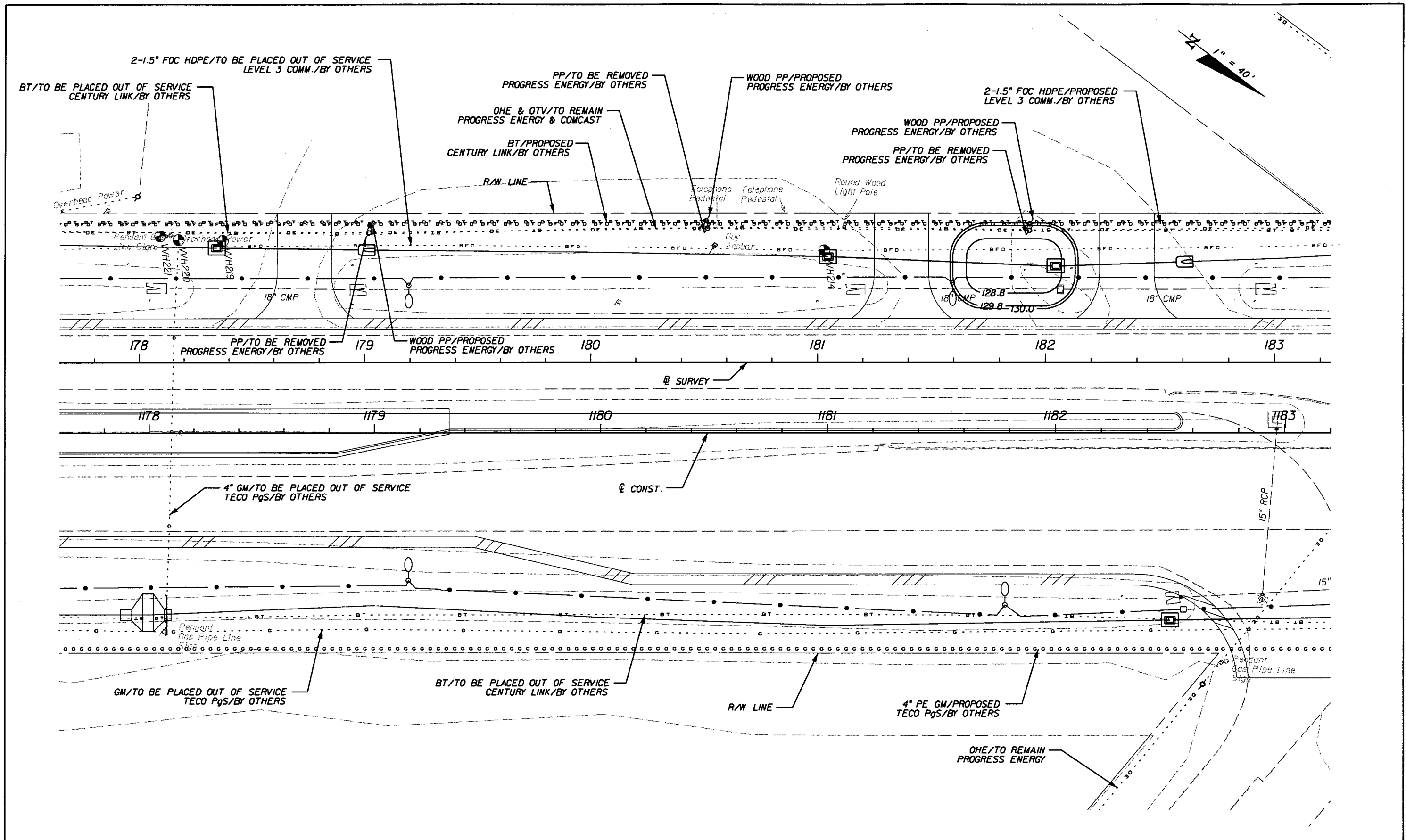
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5/11/11	JWB	Δ ADDED NB DIRECTIONAL MEDIAN OPENING.			

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 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

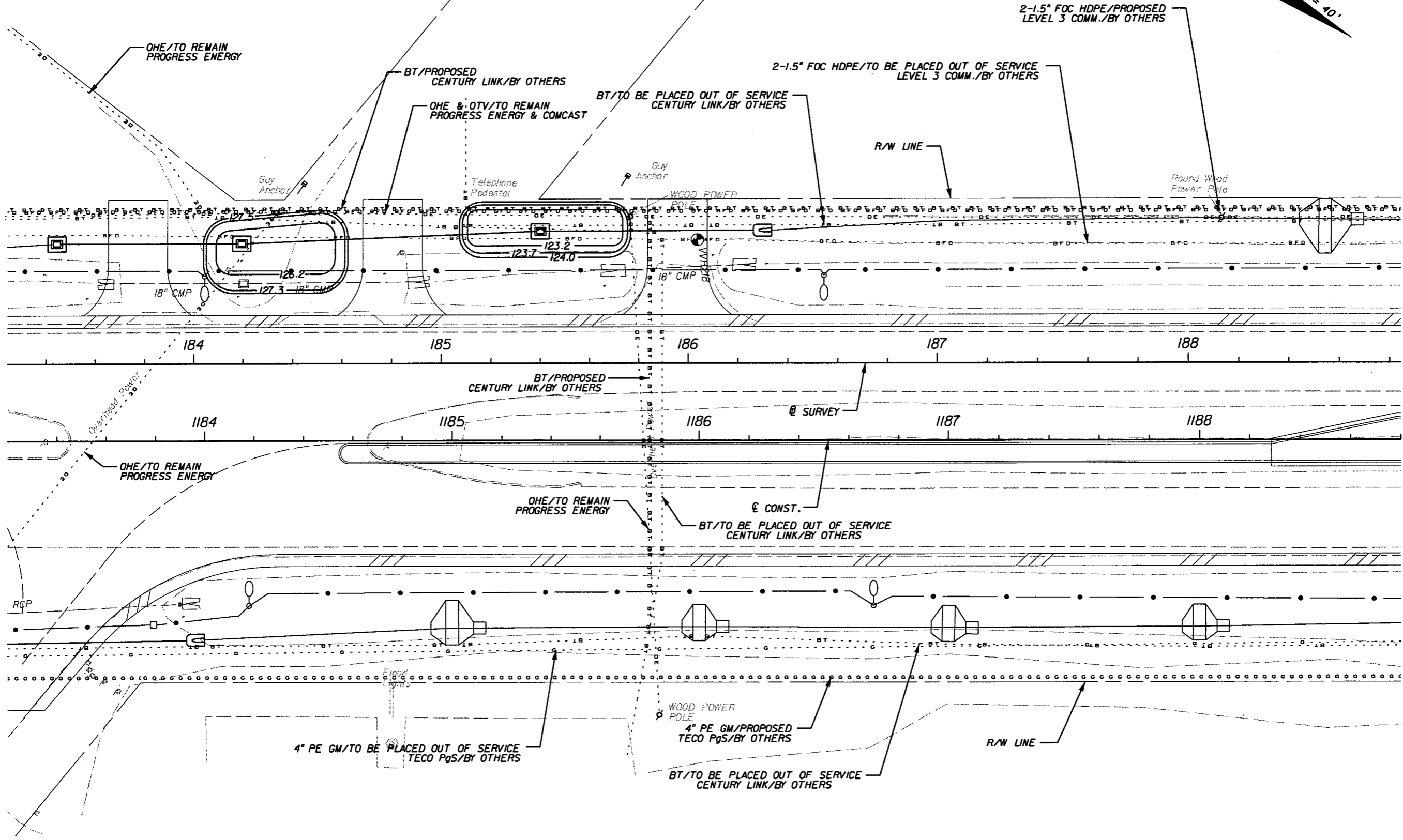
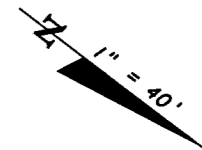
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>UTILITY ADJUSTMENTS (22)</b>	SHEET NO. 273
---------------------------------	------------------



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REVISIONS						 URS Corporation Southern 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462 Certificate of Authorization No. 00000002 Jeffrey W. Blazowski, P.E. No. 55527	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>UTILITY ADJUSTMENTS (23)</b>	SHEET NO. 274
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						25	HIGHLANDS	194485-1-52-01			



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

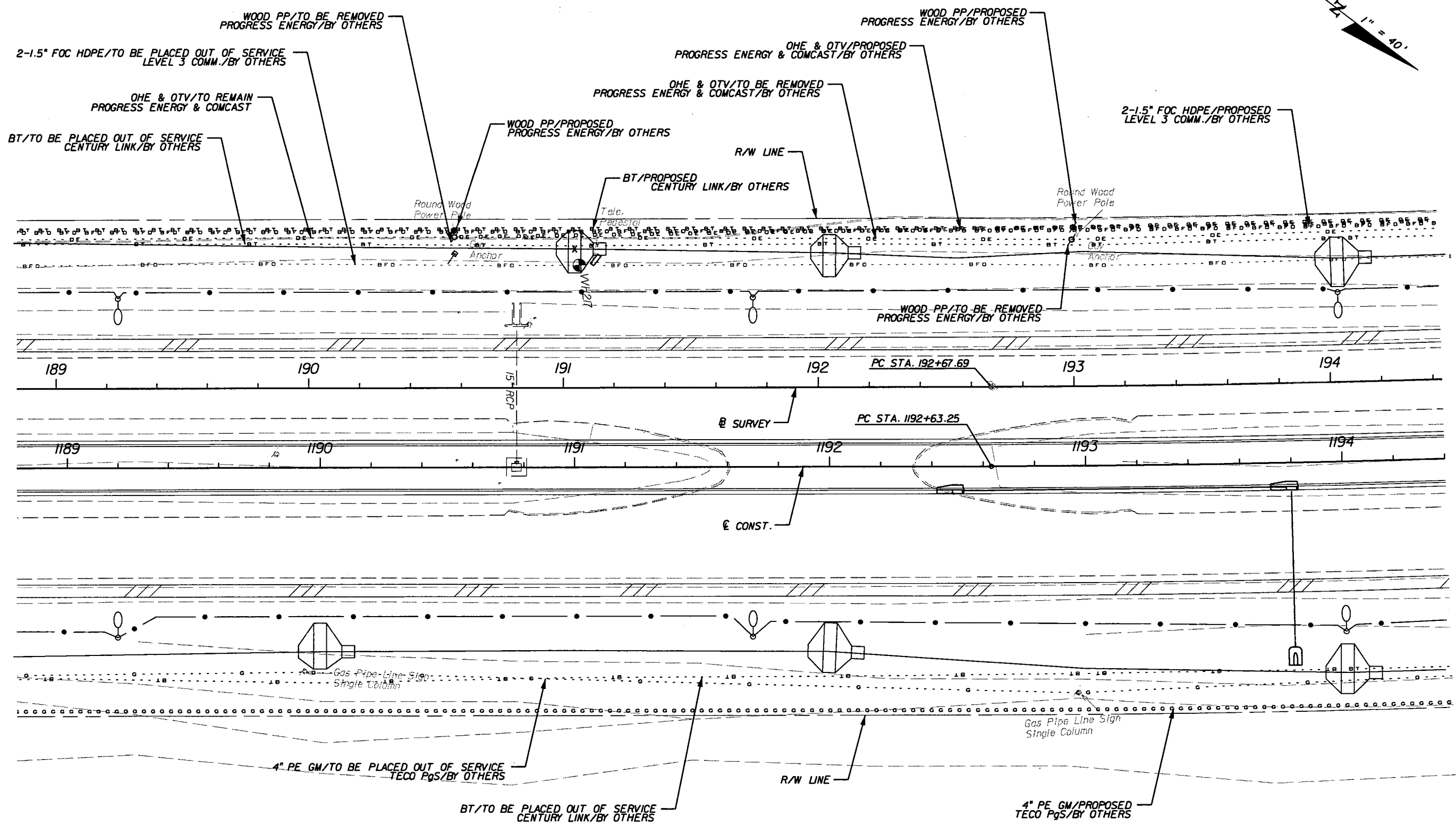
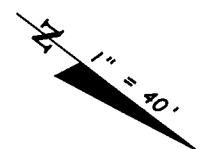
**URS**  
 URS Corporation Southern  
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 Campbell Causeway  
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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (24)**

SHEET NO.  
275

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

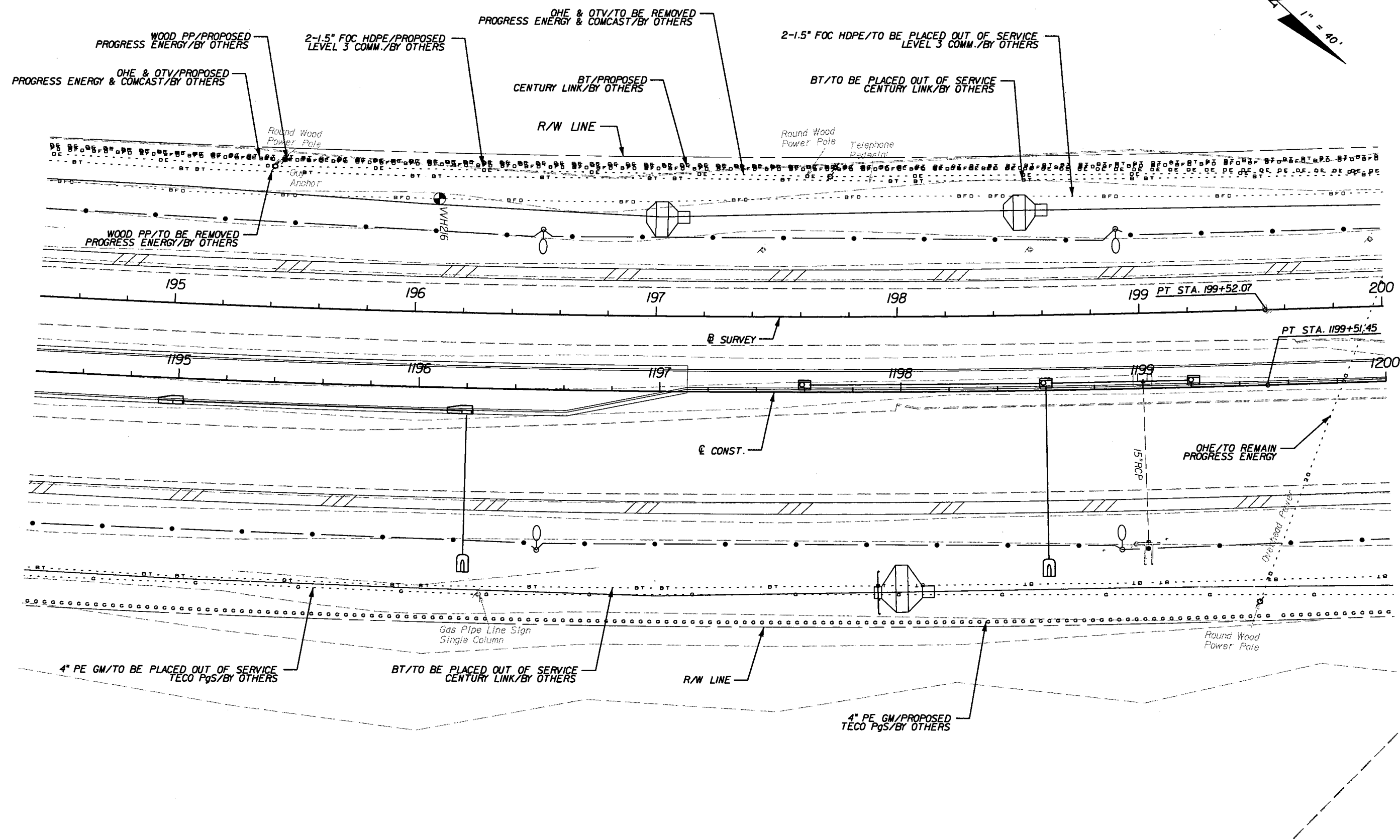
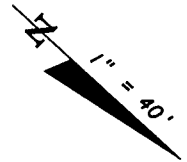
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (25)**

SHEET NO.  
276

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

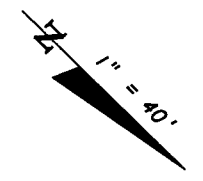
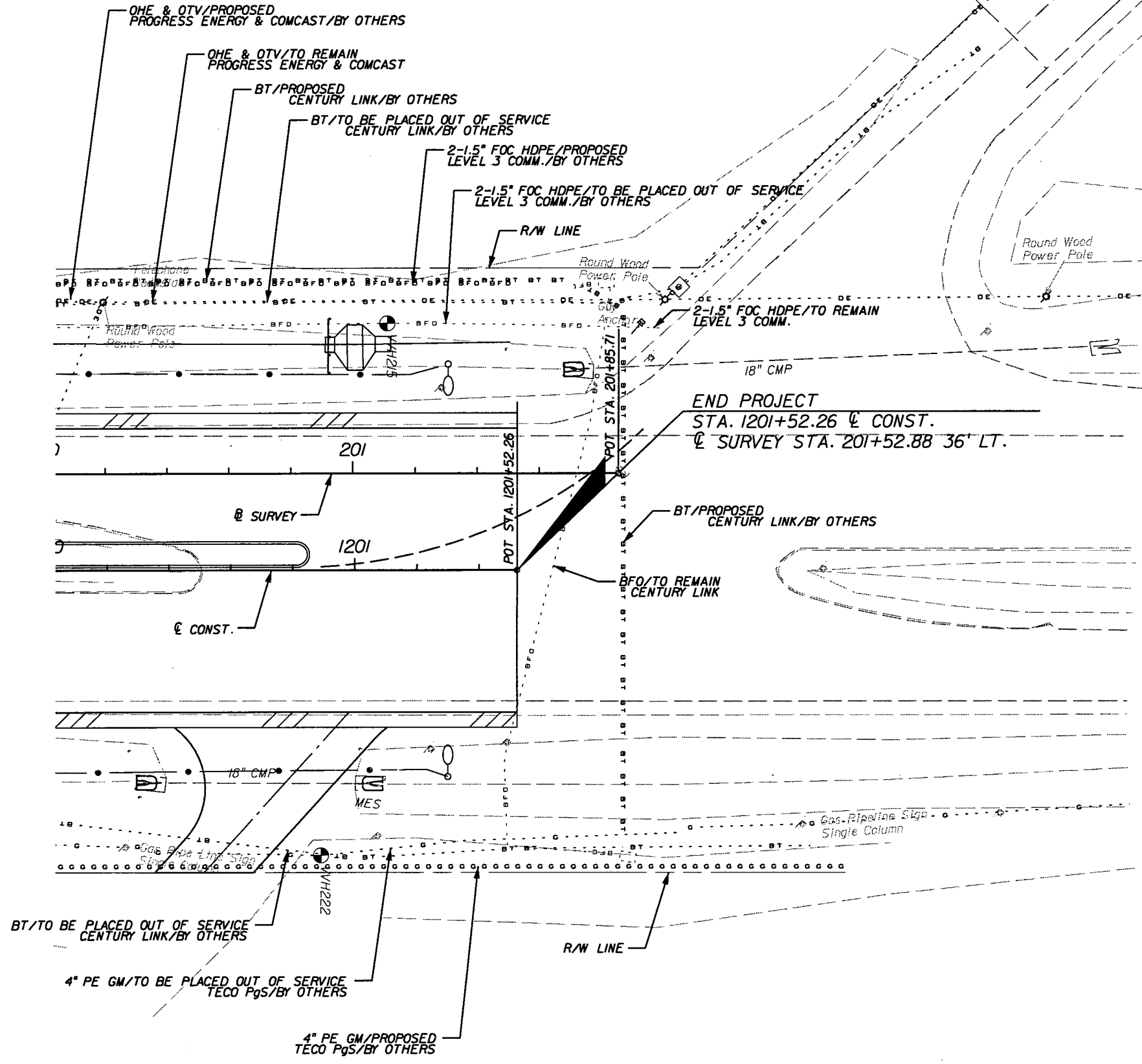
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (26)**

SHEET NO.  
277

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END PROJECT  
 STA. 1201+52.26  $\nabla$  CONST.  
 $\nabla$  SURVEY STA. 201+52.88 36' LT.

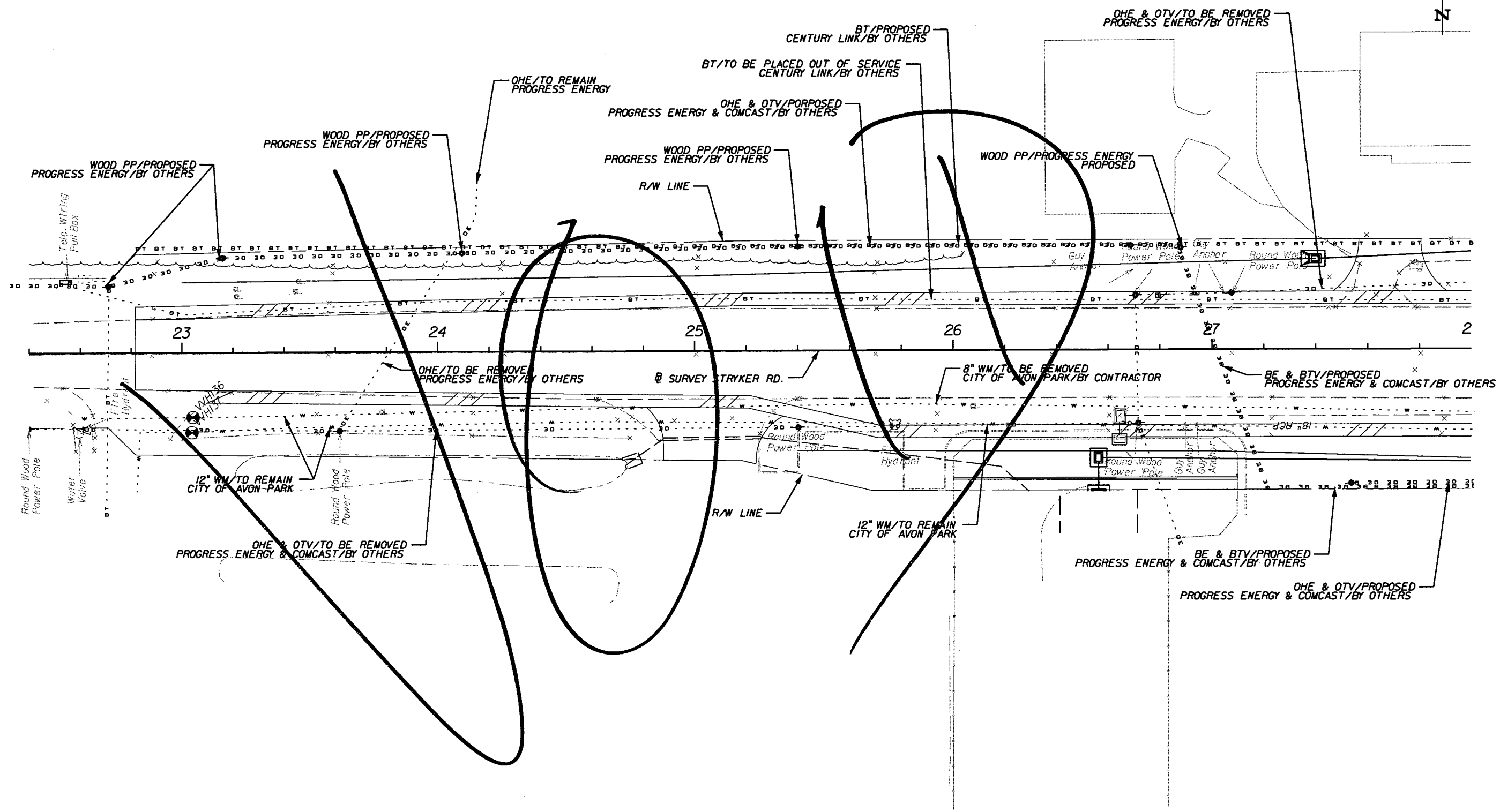
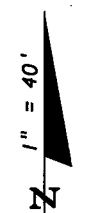
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

<b>UTILITY ADJUSTMENTS (27)</b>	SHEET NO. 278
---------------------------------	------------------



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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

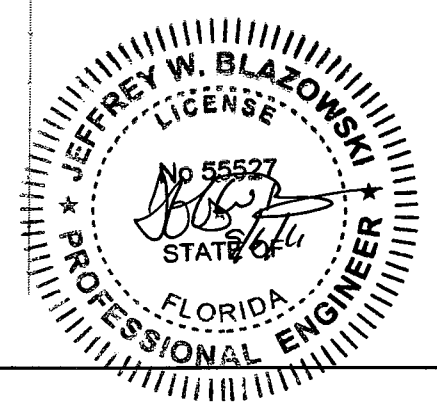
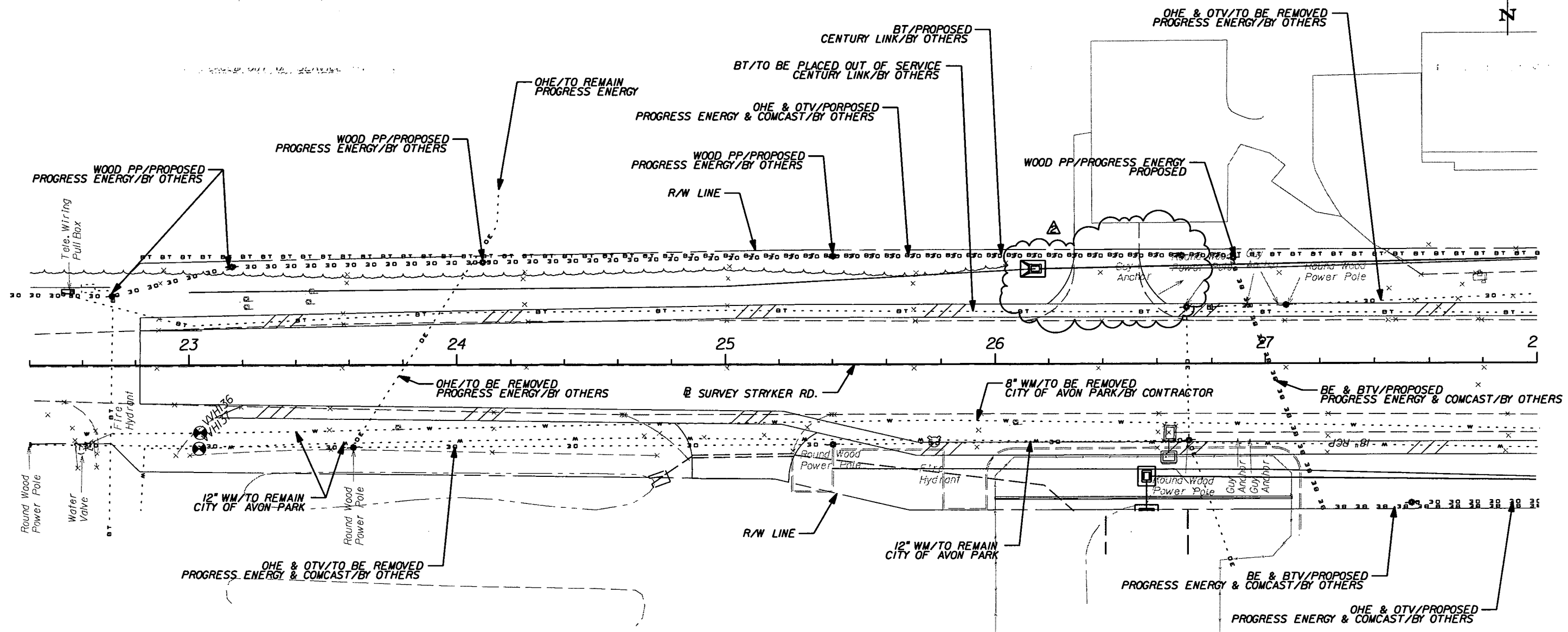
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (28)**

SHEET NO.
279





REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
9/6/11	JWB	RELOCATED DRIVEWAY AND INLET.			

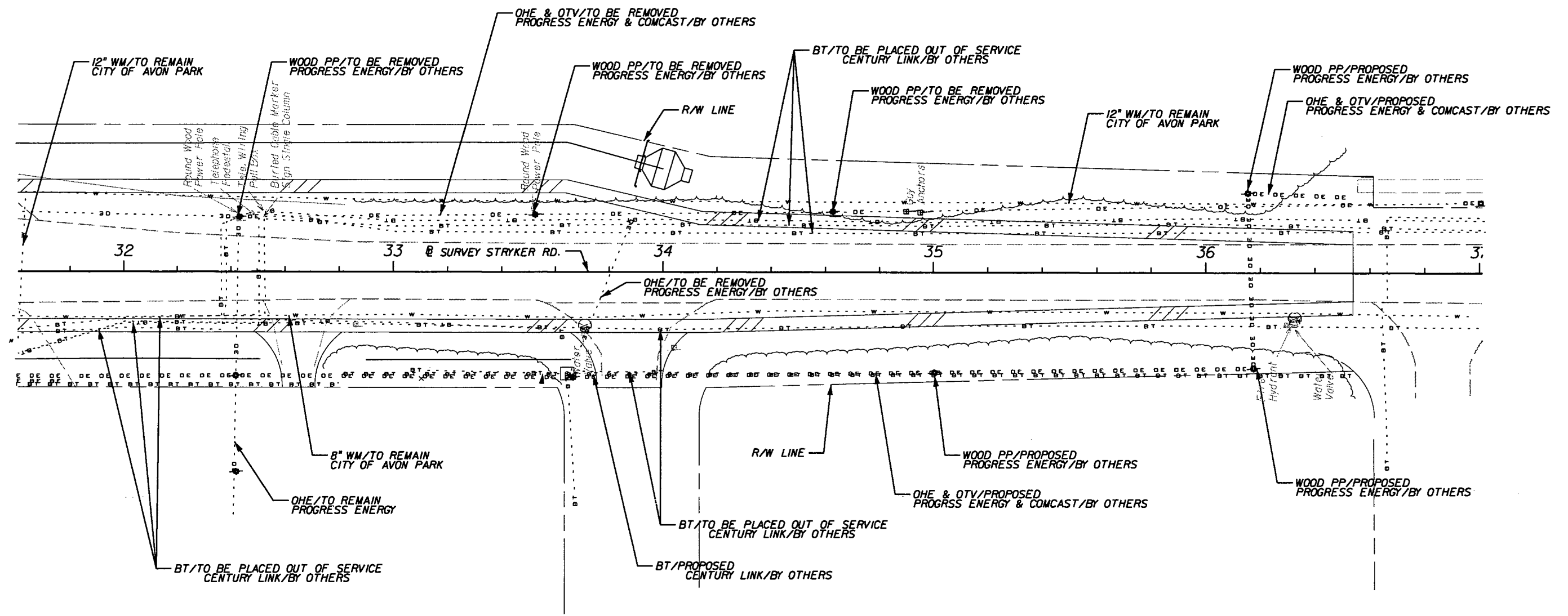
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 Certificate of Authorization No. 00000002  
 Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (28)**

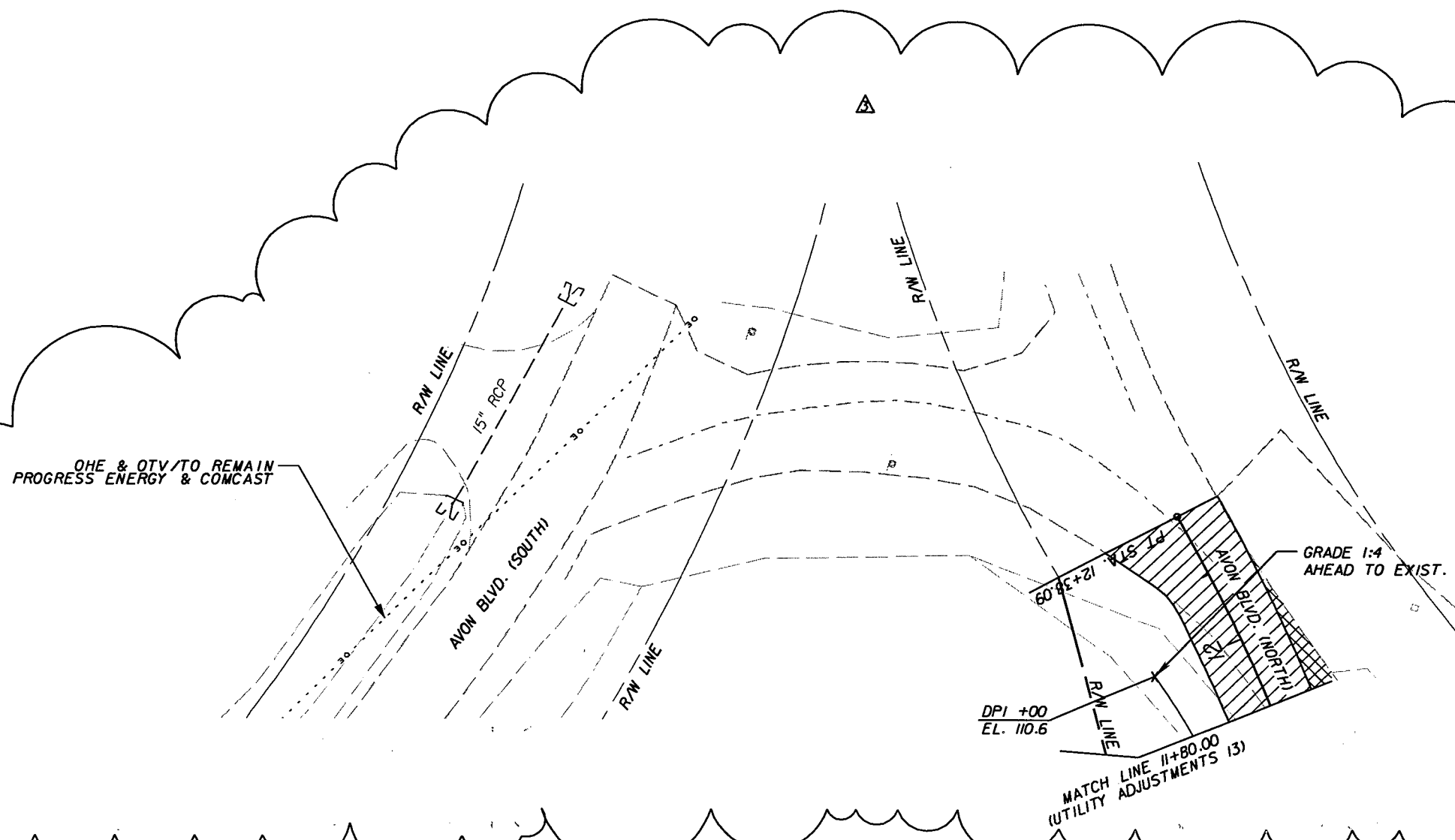
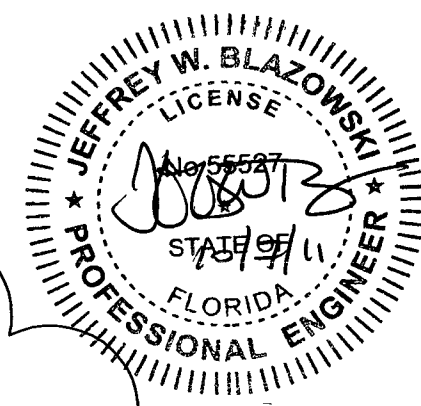
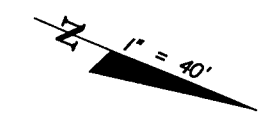
SHEET NO.  
279

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS						<b>URS</b> URS Corporation Southern 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462 Certificate of Authorization No. 00000002 Jeffrey W. Blazowski, P.E. No. 55527	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>UTILITY ADJUSTMENTS (29)</b>	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		280
						25	HIGHLANDS	194485-1-52-01			



OHE & OTV TO REMAIN  
PROGRESS ENERGY & COMCAST

GRADE 1:4  
AHEAD TO EXIST.

DPI +00  
EL. 110.6

MATCH LINE 11+80.00  
(UTILITY ADJUSTMENTS 13)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
10/7/11	JWB	ADDED NEW SHEET FOR AVON BLVD. NORTH.			

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
Certificate of Authorization No. 00000002  
Jeffrey W. Blazowski, P.E. No. 55527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**UTILITY ADJUSTMENTS (30)**


SHEET NO.	280A
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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.

VVH NAME	STATION	OFFSET	SURFACE ELEVATION	MEASURE DOWN	TOP OF UTILITY	UTILITY DESCRIPTION
VVH101	1032+58.88	55.34' LT	150.02'	3.19'	146.83'	2" POLY GAS (YELLOW)
VVH102	1032+59.01	54.28' LT	150.04'	5.21'	144.83'	2" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH103	1032+71.87	54.57' LT	149.78'	5.96'	143.82'	2" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH104	1032+71.92	55.42' LT	149.83'	3.01'	146.82'	2" POLY GAS (YELLOW)
VVH105	1032+73.72	50.54' RT	149.78'	2.74'	147.04'	6" CAST-IRON WATER
VVH106	1032+60.29	50.61' RT	149.83'	2.60'	147.23'	6" CAST-IRON WATER
VVH107	1059+93.01	77.72' RT	143.54'	3.07'	140.47'	8" AC WATER
VVH108	1060+99.37	80.78' RT	144.39'	3.09'	141.30'	8" AC WATER
VVH109	1060+99.36	84.99' RT	144.72'	2.91'	141.81'	1.5" DIRECT BURIED TELEPHONE
VVH110	1066+02.13	90.79' RT	144.29'	2.40'	141.89'	6" POLY WATER (BLUE)
VVH111	1065+98.91	94.25' RT	144.52'	2.48'	142.04'	1.5" DIRECT BURIED TELEPHONE
VVH112	1068+01.92	83.86' LT	143.72'	3.54'	140.18'	12" PVC WATER
VVH113	1068+02.37	76.97' LT	143.76'	4.08'	139.68'	1.5" POLY FIBEROPTIC (x2)
VVH114	1068+01.80	64.30' LT	141.88'	5.93'	135.95'	12" PVC SANITARY
VVH115	1065+89.52	82.39' LT	146.10'	3.18'	142.92'	12" PVC WATER
VVH116	1060+99.93	84.53' LT	144.48'	3.92'	140.56'	12" PVC WATER
VVH117	1059+02.30	63.47' LT	140.03'	6.37'	133.66'	12" PVC SANITARY
VVH118	1057+02.10	78.04' LT	139.95'	3.22'	136.73'	12" PVC WATER
VVH119	1070+95.09	79.68' LT	141.42'	3.42'	138.00'	12" PVC WATER
VVH120	1072+32.10	73.81' LT	139.34'	2.57'	136.77'	12" PVC SANITARY
VVH121	1073+97.06	82.28' LT	138.83'	1.43'	137.40'	12" PVC WATER
VVH122	1075+98.40	85.42' LT	138.29'	2.41'	135.88'	12" PVC WATER
VVH123	1079+43.55	99.57' LT	132.75'	3.04'	129.71'	12" DIP WATER
VVH124	1079+19.53	93.59' LT	134.22'	4.65'	129.57'	12" PVC WATER
VVH125	1068+00.02	86.71' RT	142.28'	3.46'	138.82'	4" STEEL GAS
VVH126	1068+00.52	92.43' RT	142.22'	3.23'	138.99'	6" POLY WATER
VVH127	1068+00.26	94.54' RT	142.07'	2.20'	139.87'	1/2" DIRECT BURIED TELEPHONE
VVH128	1071+03.85	87.72' RT	141.14'	3.55'	137.59'	4" STEEL GAS
VVH129	1071+03.26	93.49' RT	141.61'	3.46'	138.15'	6" POLY WATER (BLUE)
VVH130	1071+03.59	97.15' RT	141.93'	3.18'	138.75'	1/2" DIRECT BURIED TELEPHONE
VVH131	1076+30.44	90.12' RT	137.76'	3.73'	134.03'	4" STEEL GAS
VVH132	1076+30.81	94.05' RT	137.69'	3.20'	134.49'	6" POLY WATER (BLUE)
VVH133	1079+04.20	92.30' RT	132.84'	4.44'	128.40'	4" STEEL GAS
VVH134	1079+37.27	110.07' RT	131.74'	3.52'	128.22'	12" PVC WATER (WHITE)
VVH135	1079+38.91	110.21' RT	131.67'	2.56'	129.11'	4" PVC TELEPHONE
VVH136	1079+49.12	663.57' LT	135.85'	3.65'	132.20'	8" PVC WATER (BLUE)
VVH137	1079+43.03	663.93' LT	135.78'	4.03'	131.75'	12" CAST-IRON WATER
VVH138	1079+50.47	102.32' LT	132.53'	3.90'	128.63'	8" PVC WATER (WHITE)
VVH139	1080+22.23	85.91' LT	131.16'	6.33'	124.83'	12" POLY WATER (BLACK)
VVH140	1080+39.37	83.65' LT	130.94'	3.20'	127.74'	12" PVC WATER (BLUE)
VVH141	1080+90.08	85.09' LT	130.09'	2.69'	127.40'	12" PVC WATER (WHITE)
VVH142	1085+99.85	86.79' LT	124.20'	2.54'	121.66'	12" POLY WATER (BLACK)
VVH143	1087+69.74	87.63' LT	122.45'	3.33'	119.12'	12" PVC WATER (WHITE)
VVH144	1091+04.07	86.78' LT	117.35'	2.18'	115.17'	12" PVC WATER (WHITE)
VVH145	1092+99.24	85.72' LT	114.58'	2.20'	112.38'	12" PVC WATER (WHITE)
VVH146	1094+01.72	75.87' LT	115.46'	2.54'	112.92'	12" PVC WATER (WHITE)
VVH147	1096+03.77	72.32' LT	116.66'	2.57'	114.09'	12" PVC WATER (WHITE)
VVH148	1082+81.97	92.77' RT	127.23'	2.96'	124.27'	4" STEEL GAS
VVH149	1086+03.19	89.59' RT	123.24'	2.50'	120.74'	6" POLY WATER (BLUE)
VVH150	1086+02.87	92.87' RT	123.33'	2.51'	120.82'	4" STEEL GAS
VVH151	1070+96.92	91.63' LT	141.39'	3.87'	137.52'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH152	1060+80.39	76.97' LT	143.92'	4.20'	139.72'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH153	1075+98.19	79.27' LT	137.39'	3.77'	133.62'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH154	1077+74.84	79.37' LT	135.54'	6.27'	129.27'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH155	1080+91.44	82.08' LT	130.41'	4.62'	125.79'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH156	1086+01.26	85.14' LT	124.28'	4.59'	119.69'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)

VVH NAME	STATION	OFFSET	SURFACE ELEVATION	MEASURE DOWN	TOP OF UTILITY	UTILITY DESCRIPTION
VVH157	1080+59.37	92.44' RT	129.73'	3.49'	126.24'	4" STEEL GAS
VVH158	1087+76.07	76.96' RT	122.02'	4.33'	117.69'	6" POLY WATER (BLUE)
VVH159	1087+68.48	87.93' RT	122.19'	2.92'	119.27'	6" PVC WATER (WHITE)
VVH160	1088+99.11	89.73' RT	120.56'	3.29'	117.27'	6" POLY WATER (BLUE)
VVH161	1088+99.04	91.63' RT	120.62'	3.29'	117.33'	4" STEEL GAS
VVH162	1089+75.28	88.17' RT	119.50'	2.37'	117.13'	6" POLY WATER
VVH163	1089+75.06	90.91' RT	119.74'	4.00'	115.74'	4" STEEL GAS
VVH164	1090+98.36	92.92' RT	112.00'	3.08'	108.92'	4" STEEL GAS
VVH165	1092+95.82	94.71' RT	110.08'	3.92'	106.16'	4" STEEL GAS
VVH166	1094+00.07	95.68' RT	106.78'	3.30'	103.48'	4" STEEL GAS
VVH167	1096+01.97	94.47' RT	112.92'	2.81'	110.11'	4" STEEL GAS
VVH168	1096+02.50	75.48' LT	116.98'	4.49'	112.49'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH169	1093+99.39	78.15' LT	115.35'	4.10'	111.25'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH170	1093+01.31	82.61' LT	114.29'	3.49'	110.80'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH171	1091+03.07	85.54' LT	117.34'	3.81'	113.53'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH172	1087+69.97	82.66' LT	122.10'	4.25'	117.85'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH173	1101+01.64	89.45' RT	112.70'	2.72'	109.98'	4" STEEL GAS
VVH174	1104+02.04	88.21' RT	112.93'	2.97'	109.96'	4" STEEL GAS
VVH175	1131+02.33	69.00' LT	111.69'	3.83'	107.86'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH176	1125+98.93	78.55' LT	111.74'	4.40'	107.34'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH177	1121+00.46	89.62' LT	112.30'	4.02'	108.28'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH178	1116+01.85	84.06' LT	111.10'	4.20'	106.90'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH179	1106+05.44	84.47' LT	110.66'	7.21'	103.45'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH180	1100+93.39	84.51' LT	114.94'	4.08'	110.86'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH181	1126+01.58	80.60' RT	108.97'	3.39'	105.58'	4" STEEL GAS
VVH182	1131+01.72	56.33' RT	112.11'	3.31'	108.80'	4" STEEL GAS
VVH183	1134+00.37	57.35' RT	116.07'	3.84'	112.23'	4" STEEL GAS
VVH184	1136+01.20	62.54' RT	117.51'	3.39'	114.12'	4" STEEL GAS
VVH185	1140+97.37	73.24' RT	115.14'	2.22'	112.92'	6" STEEL GAS
VVH186	1140+94.93	62.75' LT	117.53'	4.12'	113.41'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH187	1135+98.71	50.48' LT	117.15'	3.97'	113.18'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH188	1132+95.31	51.24' LT	114.02'	6.61'	107.41'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH189	1156+07.62	86.05' LT	133.88'	3.32'	130.56'	2" PVC WATER
VVH190	1156+12.70	85.54' LT	133.91'	4.65'	129.26'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH191	1156+09.23	107.06' LT	135.20'	1.89'	133.31'	2" STEEL WATER
VVH192	1150+65.33	81.21' LT	125.06'	3.47'	121.59'	2" PVC WATER (WHITE)
VVH193	1150+68.60	84.70' LT	125.30'	3.95'	121.35'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH194	1150+67.18	106.88' LT	125.40'	1.61'	123.79'	2" STEEL WATER
VVH195	1160+95.86	85.01' LT	134.96'	4.20'	130.76'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH196	1160+97.53	105.50' LT	134.45'	1.26'	133.19'	2" PVC WATER (BLUE)
VVH197	1146+13.97	105.9' LT	118.63'	1.68'	116.95'	2" STEEL WATER
VVH198	1146+01.80	83.17' LT	119.09'	4.41'	114.68'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH199	1150+72.57	76.62' RT	126.46'	3.78'	122.68'	2" STEEL WATER
VVH200	1156+13.48	83.35' RT	132.75'	3.93'	128.82'	2" PVC WATER (WHITE)
VVH201	1164+10.77	94.84' LT	134.40'	1.74'	132.66'	2" PVC WATER (WHITE)
VVH202	1164+10.61	84.83' LT	134.57'	3.68'	130.89'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH203	1164+12.84	81.40' LT	134.58'	2.76'	131.82'	2" POLY GAS
VVH204	1164+00.17	89.93' LT	134.57'	5.95'	128.62'	2" COATED STEEL GAS
VVH205	1161+55.53	111.58' LT	134.14'	1.22'	132.92'	2" PVC WATER (BLUE)
VVH206	1165+99.91	82.80' LT	135.44'	3.07'	132.37'	2" POLY GAS
VVH207	1165+97.73	85.95' LT	135.57'	4.35'	131.22'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH208	1165+98.70	97.28' LT	135.30'	1.79'	133.51'	2" PVC WATER (WHITE)
VVH209	1165+94.65	90.00' RT	136.38'	2.60'	133.78'	6" STEEL GAS
VVH210	1175+94.63	89.22' RT	127.33'	3.03'	124.30'	6" STEEL GAS
VVH211	1175+95.61	85.99' LT	129.27'	4.42'	124.85'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH212	1170+73.09	82.50' LT	133.67'	5.76'	127.91'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)


Station and offset information shown and utilized herein are in reference to the centerline of construction.

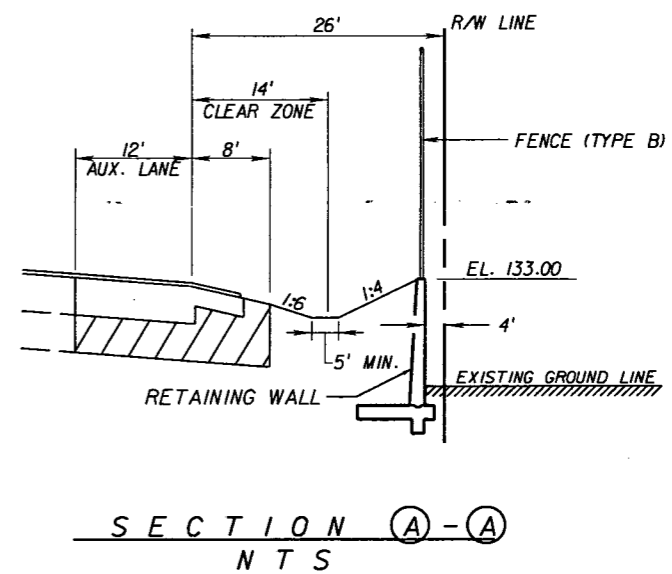
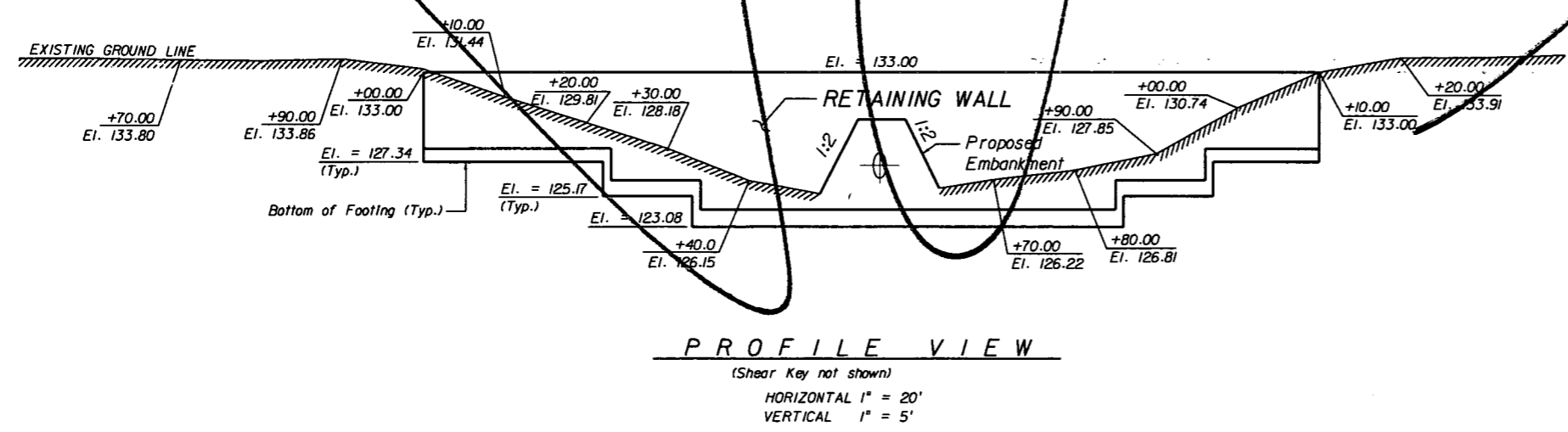
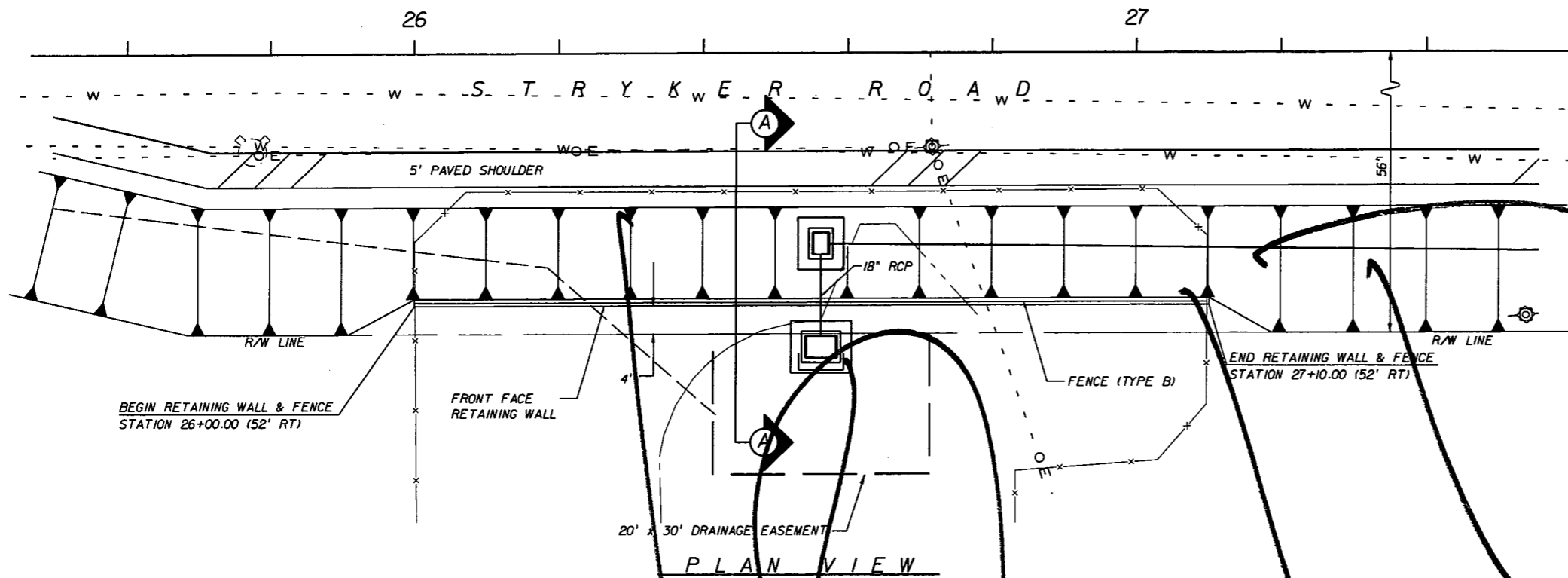
REVISIONS						 URS Corporation Southern 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462 Certificate of Authorization No. 00000002 Jeffrey W. Blazowski, P.E. No. 55527	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>UTILITY ADJUSTMENTS (1)</b> <b>TABULATION OF VVHS</b>	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							25	HIGHLANDS	194485-1-52-01		281

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6805-23.003, F.A.C.

VVH NAME	STATION	OFFSET	SURFACE ELEVATION	MEASURE DOWN	TOP OF UTILITY	UTILITY DESCRIPTION
VVH213	1110+84.53	83.54' LT	111.17'	4.33'	106.84'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH214	1180+95.77	83.04' LT	130.45'	3.90'	126.55'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH215	1201+07.68	81.78' LT	108.29'	4.33'	103.96'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH216	1196+03.40	80.38' LT	115.47'	5.25'	110.22'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH217	1190+99.11	81.44' LT	118.04'	4.03'	114.01'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH218	1185+96.53	83.11' LT	124.17'	3.84'	120.33'	1.5" POLY FIBEROPTIC (x2) (ORANGE/BLUE)
VVH219	1178+30.00	87.57' LT	131.58'	3.11'	128.47'	2" STEEL GAS (DEAD END)
VVH220	1178+10.30	87.96' LT	131.36'	1.90'	129.46'	2" STEEL GAS
VVH221	1178+02.10	89.70' LT	131.29'	1.81'	129.48'	2" STEEL GAS
VVH222	1200+86.57	94.33' RT	108.32'	4.12'	104.20'	6" STEEL GAS
VVH223	1077+56.04	70.62' LT	135.84'	4.60'	131.24'	12" PVC WATER (WHITE)
VVH224	1077+56.21	78.16' RT	135.29'	5.04'	130.25'	12" PVC WATER (WHITE)

Station and offset information shown and utilized herein are in reference to the centerline of construction.

REVISIONS						 URS Corporation Southern 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462 Certificate of Authorization No. 00000002 Jeffrey W. Blazowski, P.E. No. 55527	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>UTILITY ADJUSTMENTS (2)</b> <b>TABULATION OF VVHS</b>	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		282
							25	HIGHLANDS	194485-1-52-01		



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

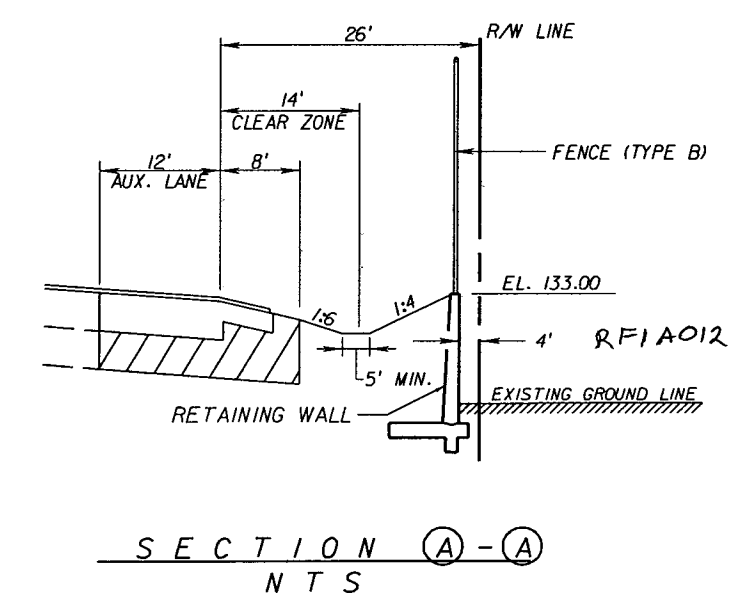
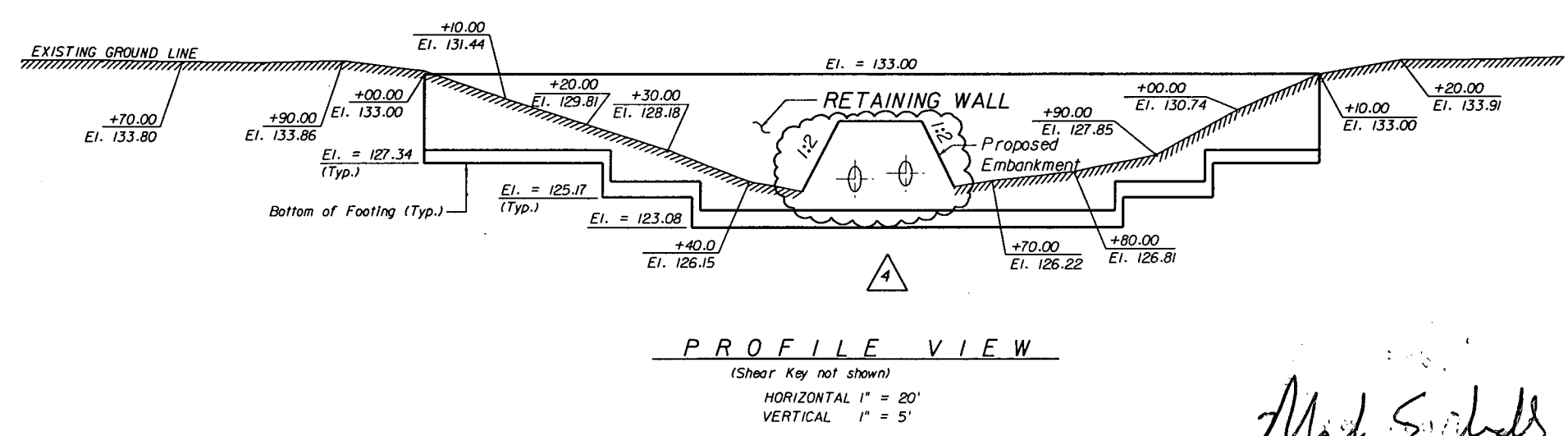
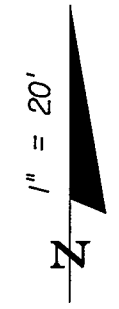
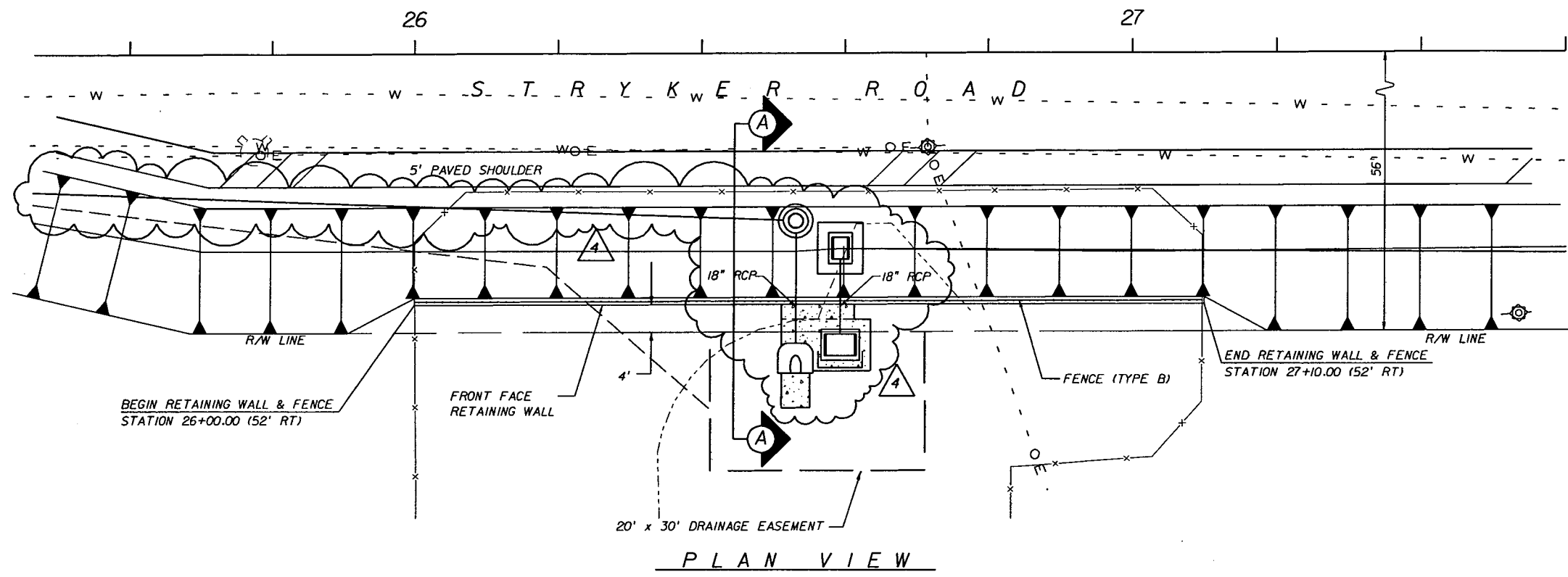
**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Mark S. Eicholtz, P.E. No. 36078

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**RETAINING WALL  
CONTROL DRAWING**

SHEET NO.  
283

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



*Mark Eicholtz*  
2/1/13

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01/29/13	MSE	4 ADDED PIPE PENETRATION			

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
C.A. No. 00000002  
Mark S. Eicholtz, P.E. No. 36078

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**RETAINING WALL  
CONTROL DRAWING**

SHEET NO.  
283

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 68G15-23.003, F.A.C.

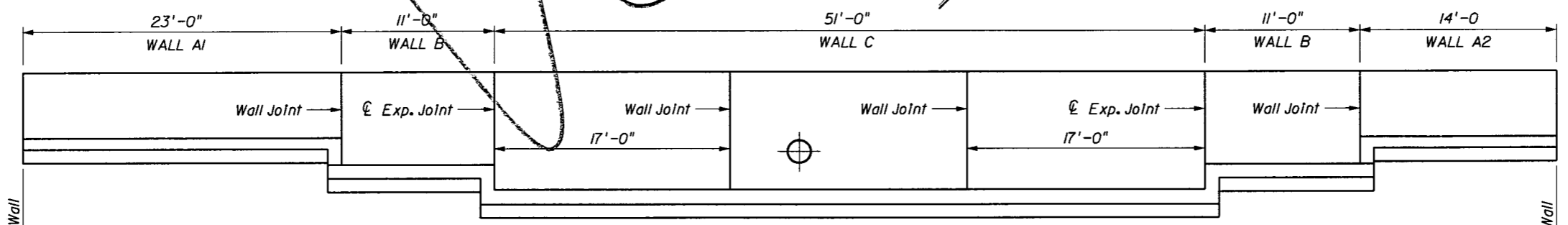
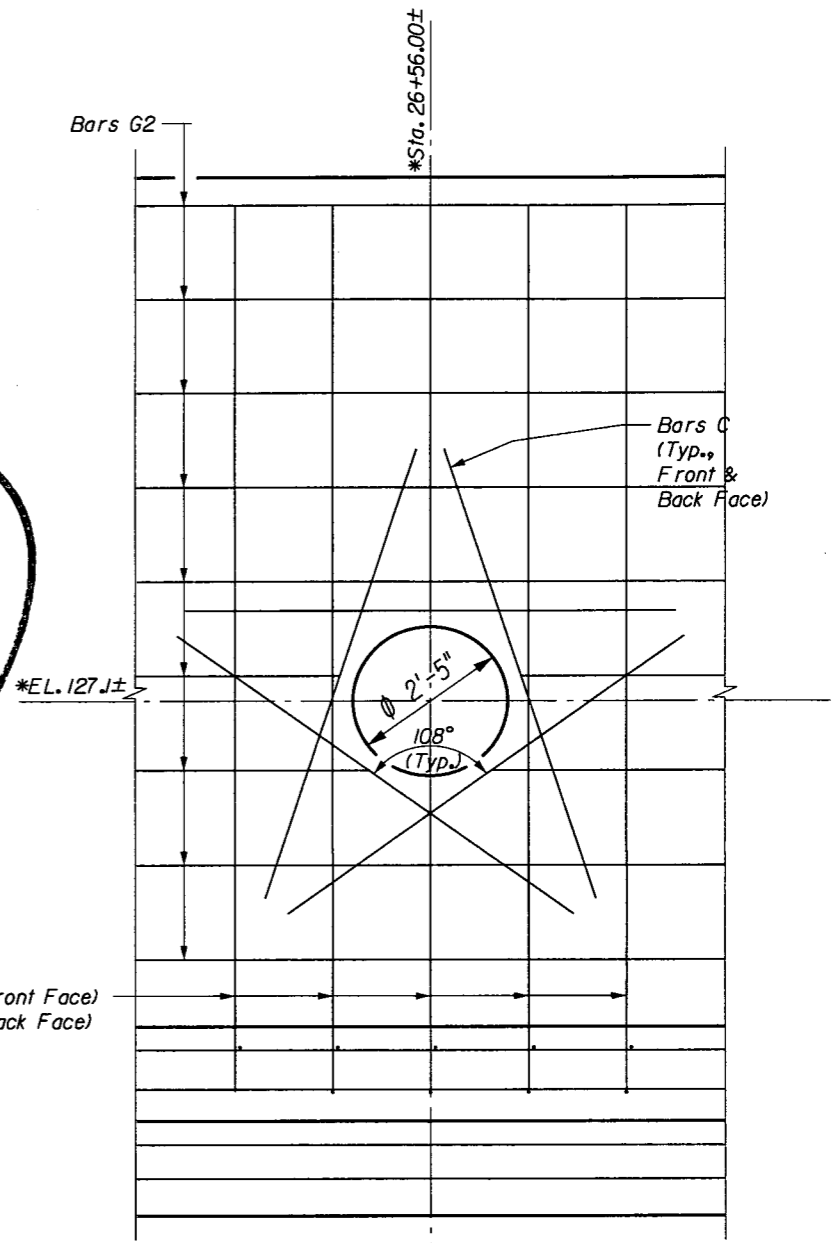
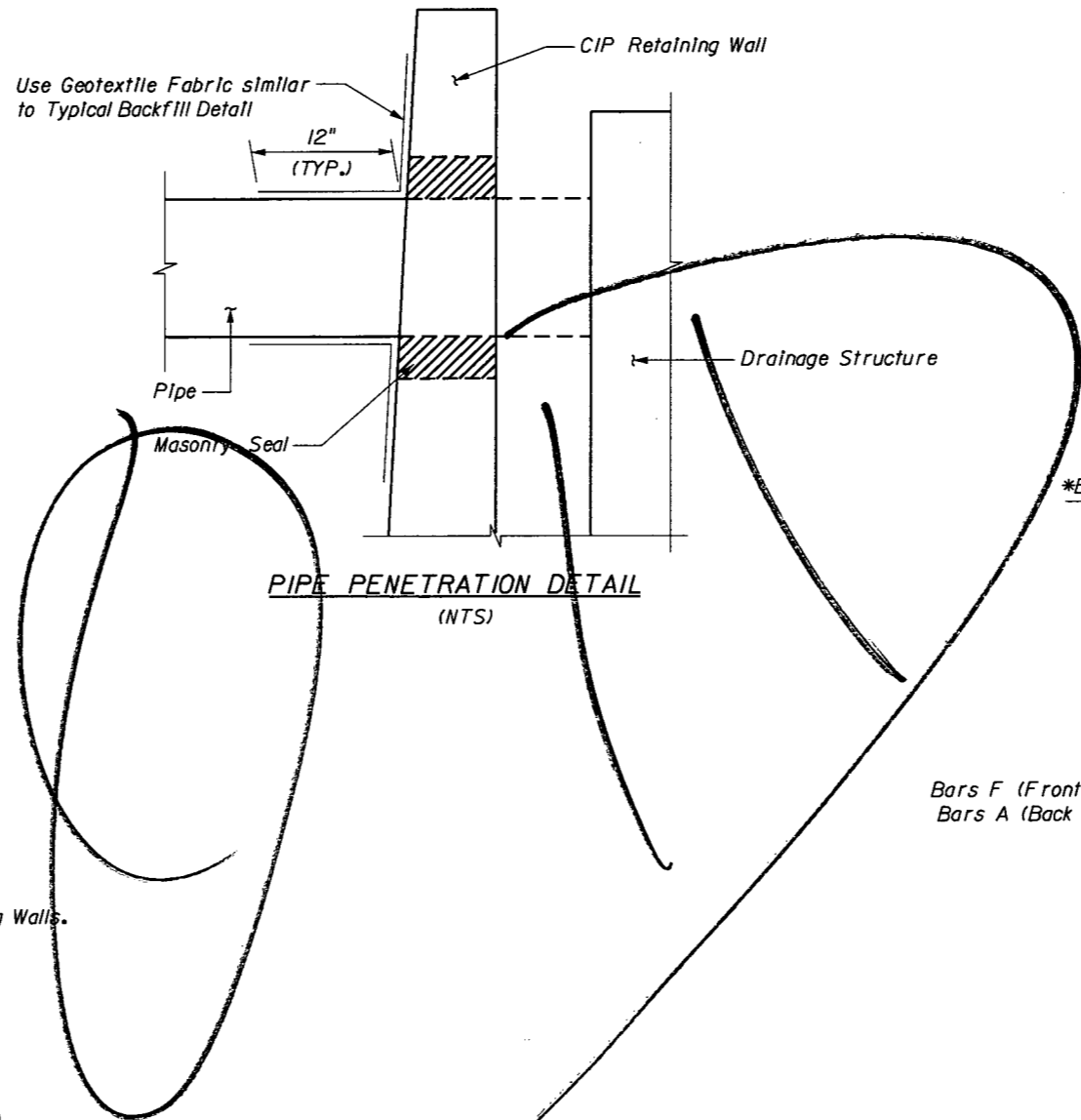
Resistance Factors*	
Sliding (Shear)	1.0
Sliding (Passive)	0.5
Bearing	0.45

Load Factors*	
Overturning (Dead)	0.9
Overturning (Earth)	1.0
Bearing (Earth)	1.35
Bearing (Dead)	1.25
Horizontal Earth	1.5
Live Load Surch.	1.75
Special Dead (STR II)	1.5

Table of Design Toe Pressures			
Wall A1	Wall A2	Wall B	Wall C
1.59 ksf	1.59 ksf	1.51 ksf	1.97 ksf

**NOTES:**

1. Work this sheet with FDOT Standard Index 5100.
2. Fence and Fence Anchors not shown on this sheet.
3. See ROADWAY PLANS for additional details and information.
4. Key & Footing to be cast in dry conditions. See REPORT OF CORE BORINGS sheet for water table & Geotechnical properties.
5. Concrete Pay Item No. 400-4-11, Concrete Class IV (5500 psi), Retaining Walls. Reinforcing Steel Pay Item No. 415-1-3 REINFORCING STEEL (RETAINING WALLS).
6. Clear Cover: 4" to Earth, 3" Side/Top of Footing, 2" Wall.
7. The masonry seal detail for the wall penetration in Wall C assumes the wall is constructed prior to the pipe. The contractor may propose an alternate wall penetration detail to suit the actual construction sequence. The alternate detail must be submitted for approval prior to construction.
8. Field cut and bend Bars A, F, and G2 to clear opening and to maintain clear cover.
9. Temporary sheet piling may be required to construct the wall and footing. Any cost associated with designing, installing, and removing the sheet piling shall be incidental to pay item 400-4-11, Concrete Class IV (5500 psi), Retaining Walls.



**FRONT FACE ELEVATION**  
(Expansion Joints and Construction Joints shown only)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
C.A. No. 00000002  
Mark S. Eicholtz, P.E. No. 36078

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**RETAINING WALL (CR 17A)**  
**STA. 26+00.00 TO 27+10.00**

SHEET NO.  
284

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

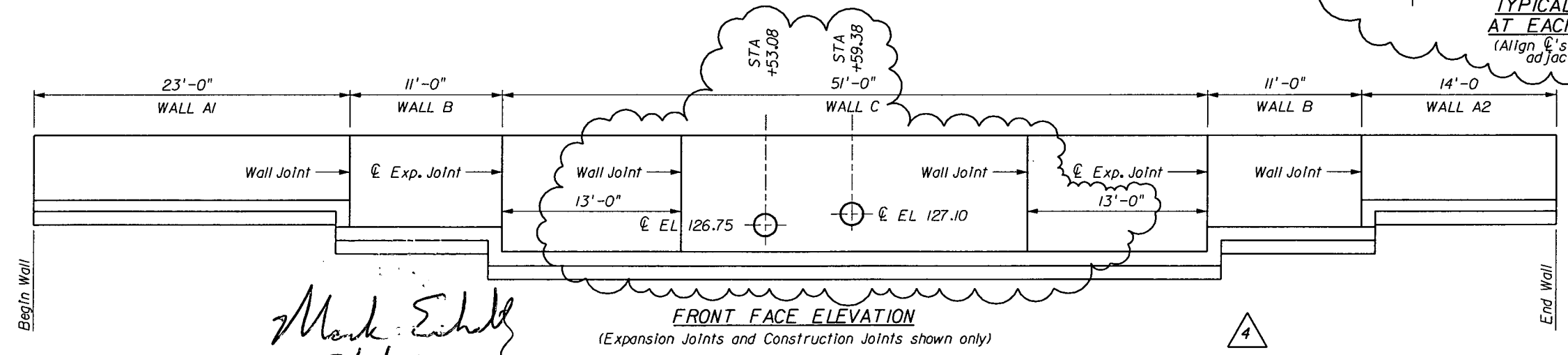
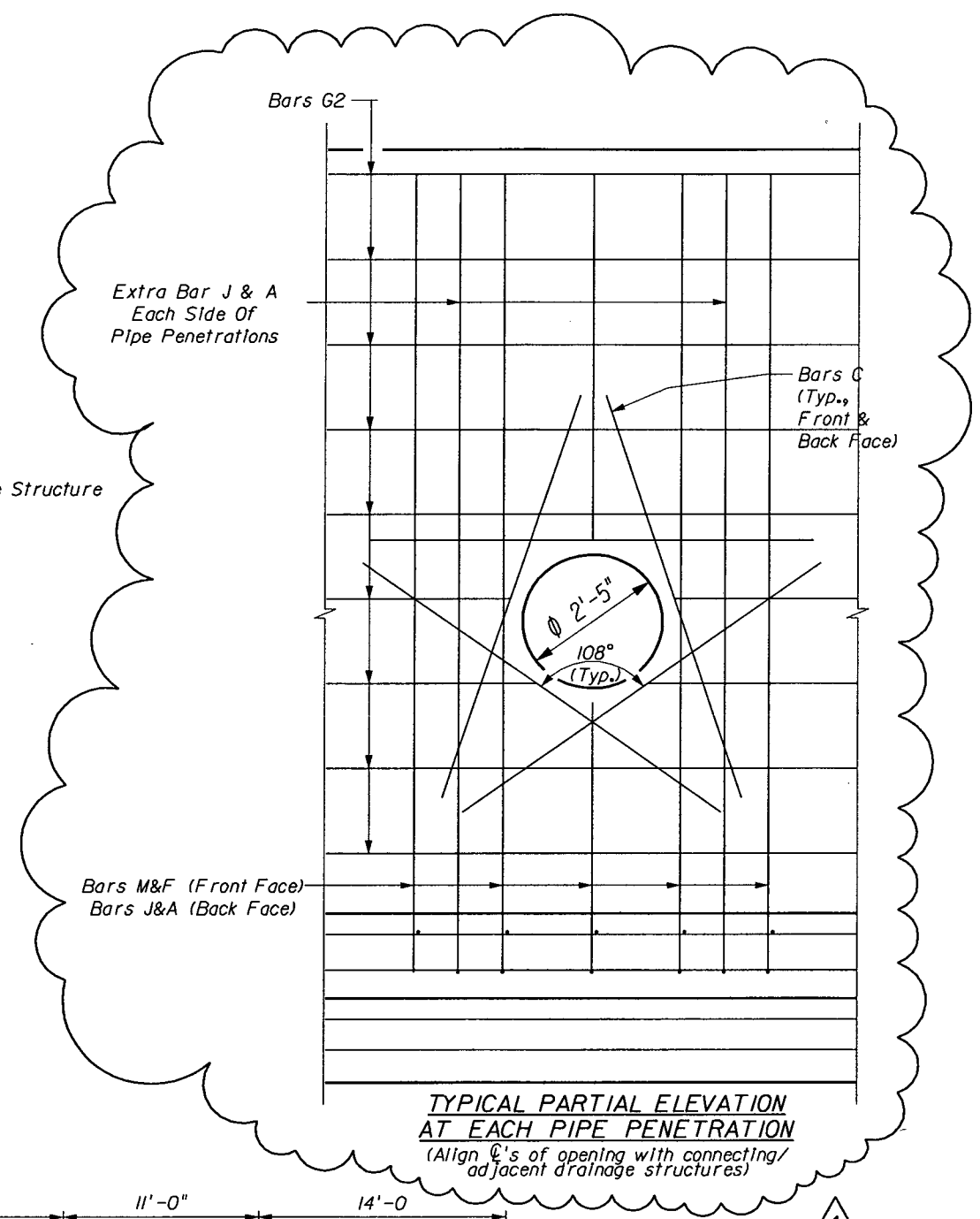
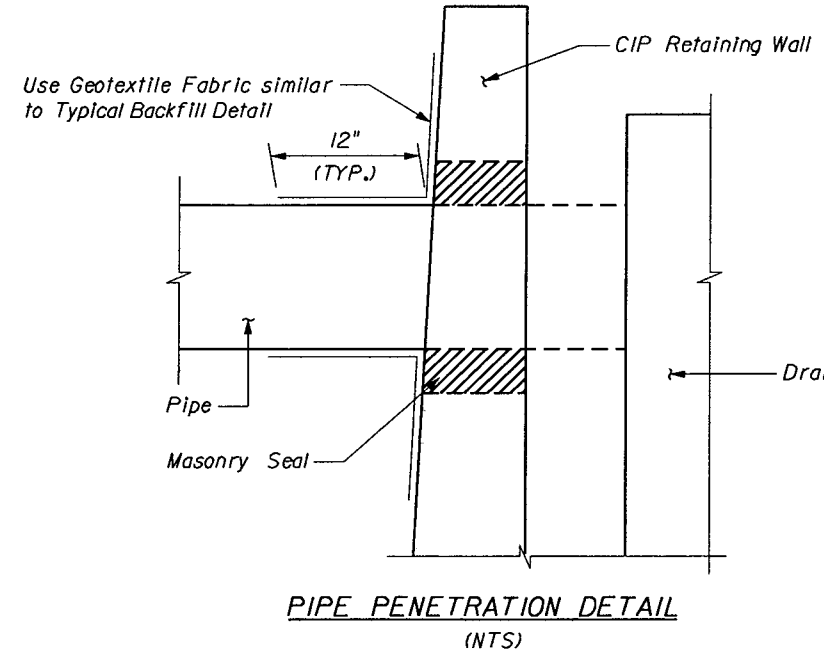


Resistance Factors:	
Sliding (Shear)	1.0
Sliding (Passive)	0.5
Bearing	0.45
Load Factors:	
Overturning (Dead)	0.9
Overturning (Earth)	1.0
Bearing (Earth)	1.35
Bearing (Dead)	1.25
Horizontal Earth	1.5
Live Load Surch.	1.75
Special Dead (STR II)	1.5

Wall A1	Wall A2	Wall B	Wall C
1.59 ksf	1.59 ksf	1.51 ksf	1.97 ksf

NOTES:

1. Work this sheet with FDOT Standard Index 5100.
2. Fence and Fence Anchors not shown on this sheet.
3. See ROADWAY PLANS for additional details and Information.
4. Key & Footing to be cast in dry conditions. See REPORT OF CORE BORINGS sheet for water table & Geotechnical properties.
5. Concrete Pay Item No. 400-4-II, Concrete Class IV (5500 psi), Retaining Walls. Reinforcing Steel Pay Item No. 415-1-3 REINFORCING STEEL (RETAINING WALLS).
6. Clear Cover: 4" to Earth, 3" Side/Top of Footing, 2" Wall.
7. The masonry seal detail for the wall penetrations in Wall C assumes the wall is constructed prior to the pipe. The contractor may propose an alternate wall penetration detail to suit the actual construction sequence. The alternate detail must be submitted for approval prior to construction.
8. Field cut and bend Bars A, F, and G2 to clear opening and to maintain clear cover.
9. Temporary sheet piling may be required to construct the wall and footing. Any cost associated with designing, installing, and removing the sheet piling shall be incidental to pay item 400-4-II, Concrete Class IV (5500 psi), Retaining Walls.



Mark Eicholtz  
2/1/13

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01/29/13	MSE	4 ADDED PIPE PENETRATION			

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
C.A. No. 00000002  
Mark S. Eicholtz, P.E. No. 36078

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**RETAINING WALL (CR 17A)**  
**STA. 26+00.00 TO 27+10.00**

SHEET NO.  
284

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

RETAINING WALLS DATA TABLE

Wall No.	Begin		End		Height				Wall Length		D	W	L <sub>foot</sub>		L <sub>toe</sub>		Slope Bkwall	D <sub>soil</sub>		L <sub>key</sub>	D <sub>key</sub>	V <sub>step</sub>	Wall Cover	FtgCov (typ.)	FtgCov (bot.)
	Station	Offset	Station	Offset	Begin		End		ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	in.	in.	in.
					ft.	in.	ft.	in.																	
A1	26+00.00	52.00 RT	26+23.00	52.00 RT	4	10	4	10	23	0	10	10	4	6	1	0	54	1	0	10	12	24	2	3	4
B	26+23.00	52.00 RT	26+34.00	52.00 RT	6	10	6	10	11	0	12	10	6	0	2	0	54	1	0	10	12	24	2	3	4
C	26+34.00	52.00 RT	26+85.00	52.00 RT	8	10	8	10	51	0	13	10	7	0	2	0	54	1	0	10	12	-	2	3	4
B	26+85.00	52.00 RT	26+96.00	52.00 RT	6	10	6	10	11	0	12	10	6	0	2	0	54	1	0	10	12	24	2	3	4
A2	26+96.00	52.00 RT	27+10.00	52.00 RT	4	10	4	10	14	0	10	10	4	6	1	0	54	1	0	10	12	24	2	3	4

Wall No.	Bars J												Bars K												Bars M					
	Size	No.	Spacing	A				B		Average Total Length		Size	No.	Spacing	A				B		Average Total Length		Size	No.	A		B		Total Length	
				Begin	End	ft.	in.	ft.	in.	ft.	in.				Begin	End	ft.	in.	ft.	in.	ft.	in.			ft.	in.	ft.	in.		
A1	4	24	12	2	4 1/2	2	4 1/2	1	5	3	9 1/2	-	-	-	-	-	-	-	-	-	-	4	24	2	4 1/2	3	0	5	4 1/2	
B	5	15	10	2	11	2	11	2	5 3/4	5	5	-	-	-	-	-	-	-	-	-	-	4	12	2	6	3	6	6	0	
C	6	54	12	3	4	3	4	2	6 1/4	5	10 1/4	-	-	-	-	-	-	-	-	-	-	4	52	2	6	4	7	7	1	
B	5	15	10	2	11	2	11	2	5 3/4	5	5	-	-	-	-	-	-	-	-	-	-	4	12	2	6	3	6	6	0	
A2	4	15	12	2	4 1/2	2	4 1/2	1	5	3	9 1/2	-	-	-	-	-	-	-	-	-	-	4	15	2	4 1/2	3	0	5	4 1/2	

Wall No.	Bars H						Bars G1					Bars R				Bars Z				Bars A								
	Size	No.	Spacing	Length		Size	No.	Spacing	No. of Lap Splices	Total Length		Size	No.	Length		Size	No.	Spacing	Length		Size	No.	Length		Average Length			
				in.	ft.					in.	ft.			in.	ft.				in.	ft.			in.	ft.	in.	ft.	in.	ft.
A1	4	24	12	4	0	4	14	12	0	22	6	4	14	2	5	4	24	12	1	4	4	24	8	8	4	8	4	8
B	5	16	10	5	6	4	16	12	0	11	6	4	16	2	4	4	16	12	1	5	5	15	6	8	6	8	6	8
C	6	52	12	6	6	4	18	12	2	52	6	-	-	-	-	4	52	12	1	6	6	54	8	8	8	8	8	8
B	5	16	10	5	6	4	16	12	0	11	6	4	16	2	4	4	16	12	1	5	5	15	6	8	6	8	6	8
A2	4	15	12	4	0	4	14	12	0	13	6	4	14	2	5	4	15	12	1	4	4	15	4	8	4	8	4	8

Wall No.	Bars F						Bars G2				Bars D				Bars N/G3				Bars C*									
	Size	No.	Spacing	Length		Average Length	Size	No.	Length		Size	No.	Length		Size	No.	Total Length		Size	No.	Length							
				Begin	End				ft.	in.			ft.	in.			ft.	in.			ft.	in.	ft.	in.	ft.	in.		
A1	4	24	12	4	8	4	8	4	8	4	12	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B	4	12	12	6	8	6	8	4	8	4	16	10	8	5	6	-	-	-	-	-	-	-	-	-	-	-	-	
C	4	52	12	8	8	8	8	4	8	4	60	16	8	5	32	-	-	-	-	-	-	-	-	-	-	-	-	
B	4	12	12	6	8	6	8	4	8	4	16	10	8	5	6	-	-	-	-	-	-	-	-	-	-	-	-	
A2	4	15	12	4	8	4	8	4	8	4	12	13	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Wall No.	ESTIMATED QUANTITIES			Reinf. Steel
	Concrete			
	Footings	Wall	TOTAL	
	C. Y.	C. Y.	C. Y.	LBS.
A1	4.26	3.46	7.72	796
B	3.53	2.49	6.03	668
C	17.27	15.86	33.13	3699
B	3.31	2.49	5.81	668
A2	2.21	2.04	4.25	497

**QUANTITIES NOTES:**

1 Includes concrete for optional shear key.

2 Does not include additional concrete at top of wall for support of optional traffic railing barrier or concrete for barrier itself (see Index No. 5100 - Payment note).

3 Does not include Bars 5V or any other reinf. steel for optional traffic railing barrier (see Index No. 5100 - Payment note).

**NOTES:**

- Concrete Class IV; (f'c = 5,500 psi)
- A value of '0' for Slope Backwall indicates front and back of wall are parallel.
- Dsoil is typical depth of soil and is used for design purposes only. See Control Drawings for actual ground line.
- Non-zero values for Lkey and Dkey indicate the existence of a shear key.
- A non-zero value for Vstep indicates the existence of a footing step, see Control Drawings for location.
- Bars J, K, A and F vary uniformly between begin and end wall heights as indicated by begin and end dimensions.
- The number of G1 Bars includes 2 additional bars when a shear key is specified.
- For walls with variable begin/end height, Bars G2 shall be fanned such that they are evenly spaced throughout length of wall.
- Non-zero values for Bars N and Bars G3 indicate the existence of a barrier on the wall.
- \*Bars C shall only be provided for the wall with a pipe opening.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**URS**  
 URS Corporation Southern  
 7650 West Courtney  
 Campbell Causeway  
 Tampa, FL 33607-1462  
 C.A. No. 00000002  
 Mark S. Eicholtz, P.E. No. 36078

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
25	HIGHLANDS	194485-1-52-01

**RETAINING WALL (CR 17A)**  
**STA. 26+00.00 TO 27+10.00**

SHEET NO.  
285

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G05-23.003, F.A.C.

RETAINING WALLS DATA TABLE

Wall No.	Begin		End		Height				Wall Length		D	W	L <sub>foot</sub>		L <sub>toe</sub>		Slope Bkwall	D <sub>soil</sub>		L <sub>key</sub>	D <sub>key</sub>	V <sub>step</sub>	Wall Cover	FtgCov (typ.)	FtgCov (bot.)
	Station	Offset	Station	Offset	Begin		End		ft.	in.	in.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	in.	in.	in.	in.	in.
					ft.	in.	ft.	in.																	
A1	26+00.00	52.00 RT	26+23.00	52.00 RT	4	10	4	10	23	0	10	10	4	6	1	0	54	1	0	10	12	24	2	3	4
B	26+23.00	52.00 RT	26+34.00	52.00 RT	6	10	6	10	11	0	12	10	6	0	2	0	54	1	0	10	12	24	2	3	4
C	26+34.00	52.00 RT	26+85.00	52.00 RT	8	10	8	10	51	0	13	10	7	0	2	0	54	1	0	10	12	-	2	3	4
B	26+85.00	52.00 RT	26+96.00	52.00 RT	6	10	6	10	11	0	12	10	6	0	2	0	54	1	0	10	12	24	2	3	4
A2	26+96.00	52.00 RT	27+10.00	52.00 RT	4	10	4	10	14	0	10	10	4	6	1	0	54	1	0	10	12	24	2	3	4

Wall No.	Bars J												Bars K								Bars M									
	Size	No.	Spacing	A				B		Average Total Length		Size	No.	Spacing	A				B		Average Total Length		Size	No.	A		B		Total Length	
				Begin	End	ft.	in.	ft.	in.	ft.	in.				Begin	End	ft.	in.	ft.	in.	ft.	in.			ft.	in.	ft.	in.	ft.	in.
A1	4	24	12	2	4 1/2	2	4 1/2	1	5	3	9 1/2	-	-	-	-	-	-	-	-	-	-	4	24	2	4 1/2	3	0	5	4 1/2	
B	5	15	10	2	11	2	11	2	5 3/4	5	5	-	-	-	-	-	-	-	-	-	-	4	12	2	6	3	6	6	0	
C	6	58	12	3	4	3	4	2	6 1/4	5	10 1/4	-	-	-	-	-	-	-	-	-	-	4	52	2	6	4	7	7	1	
B	5	15	10	2	11	2	11	2	5 3/4	5	5	-	-	-	-	-	-	-	-	-	-	4	12	2	6	3	6	6	0	
A2	4	15	12	2	4 1/2	2	4 1/2	1	5	3	9 1/2	-	-	-	-	-	-	-	-	-	-	4	15	2	4 1/2	3	0	5	4 1/2	

4

Wall No.	Bars H					Bars G1					Bars R				Bars Z				Bars A									
	Size	No.	Spacing	Length		Size	No.	Spacing	No. of Lap Splices	Total Length		Size	No.	Length		Size	No.	Spacing	Length		Size	No.	Length		Average Length			
				in.	ft.					in.	ft.			ft.	in.				ft.	in.			ft.	in.	ft.	in.	ft.	in.
A1	4	24	12	4	0	4	14	12	0	22	6	4	14	2	5	4	24	12	1	4	4	24	4	8	4	8	4	8
B	5	16	10	5	6	4	16	12	0	11	6	4	16	2	4	4	16	12	1	5	5	15	6	8	6	8	6	8
C	6	52	12	6	6	4	18	12	2	52	6	-	-	-	-	4	52	12	1	6	6	58	8	8	8	8	8	8
B	5	16	10	5	6	4	16	12	0	11	6	4	16	2	4	4	16	12	1	5	5	15	6	8	6	8	6	8
A2	4	15	12	4	0	4	14	12	0	13	6	4	14	2	5	4	15	12	1	4	4	15	4	8	4	8	4	8

4

Wall No.	Bars F					Bars G2				Bars D				Bars N/G3				Bars C*										
	Size	No.	Spacing	Length		Average Length	Size	No.	Length		Size	No.	Length		Size	No.	Total Length		Size	No.	Length							
				Begin	End				ft.	in.			ft.	in.			ft.	in.			ft.	in.	ft.	in.				
A1	4	24	12	4	8	4	8	4	8	4	12	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B	4	12	12	6	8	6	8	4	8	4	16	10	8	5	6	1	6	-	-	-	-	-	-	-	-	-	-	-
C	4	52	12	8	8	8	8	4	8	4	**	**	**	5	32	1	6	-	-	-	-	5	20	5	0	-	-	
B	4	12	12	6	8	6	8	4	8	4	16	10	8	5	6	1	6	-	-	-	-	-	-	-	-	-	-	
A2	4	15	12	4	8	4	8	4	8	4	12	13	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

ESTIMATED QUANTITIES				
Wall No.	Concrete			Reinf. Steel
	Footings	Wall	TOTAL	
	C. Y.	C. Y.	C. Y.	LBS.
A1	4.26	3.46	7.72	796
B	3.53	2.49	6.03	668
C	17.27	15.72	32.99	3849
B	3.31	2.49	5.81	668
A2	2.21	2.04	4.25	497

QUANTITIES NOTES:

- 1 Includes concrete for optional shear key.
- 2 Does not include additional concrete at top of wall for support of optional traffic railing barrier or concrete for barrier itself (see Index No. 5100 - Payment note).
- 3 Does not include Bars 5V or any other reinf. steel for optional traffic railing barrier (see Index No. 5100 - Payment note).

Mark Eicholtz  
2/1/13

NOTES:

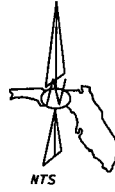
- 1. Concrete Class IV; (f'c = 5,500 psi)
- 2. A value of '0' for Slope Backwall indicates front and back of wall are parallel.
- 3. Dsoil is typical depth of soil and is used for design purposes only. See Control Drawings for actual ground line.
- 4. Non-zero values for Lkey and Dkey indicate the existence of a shear key.
- 5. A non-zero value for Vstep indicates the existence of a footing step, see Control Drawings for location.
- 6. Bars J, K, A and F vary uniformly between begin and end wall heights as indicated by begin and end dimensions.
- 7. The number of G1 Bars includes 2 additional bars when a shear key is specified.
- 8. For walls with variable begin/end height, Bars G2 shall be fanned such that they are evenly spaced throughout length of wall.
- 9. Non-zero values for Bars N and Bars G3 indicate the existence of a barrier on the wall.
- 10. \*Bars C shall only be provided for the wall with the pipe openings.
- 11. \*\*Bars G2 for Wall No. C shall be No. = 40 with Length = 12'-8" and No. = 20 with Length = 24'-8".

4

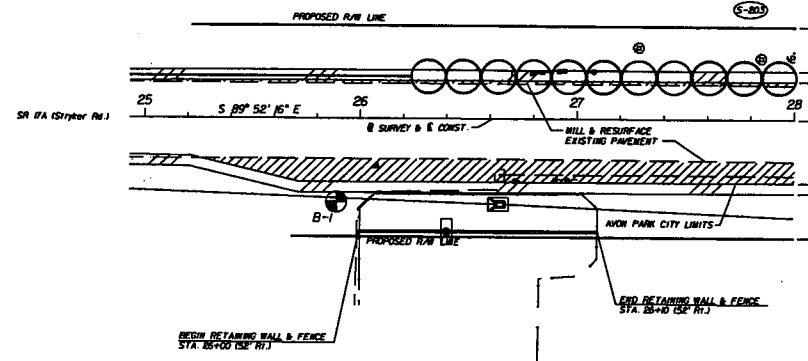
DATE		BY	DESCRIPTION	DATE	BY	DESCRIPTION	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			RETAINING WALL (CR 17A) STA. 26+00.00 TO 27+10.00	SHEET NO. 285
01/29/13		MSE	4 ADDED PIPE PENETRATION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							25	HIGHLANDS	194485-1-52-01		

**URS**  
URS Corporation Southern  
7650 West Courtney  
Campbell Causeway  
Tampa, FL 33607-1462  
C.A. No. 00000002  
Mark S. Eicholtz, P.E. No. 36078

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.



LOCATION:  
TOWNSHIP 33S  
RANGE 28E  
SECTION 9, 16

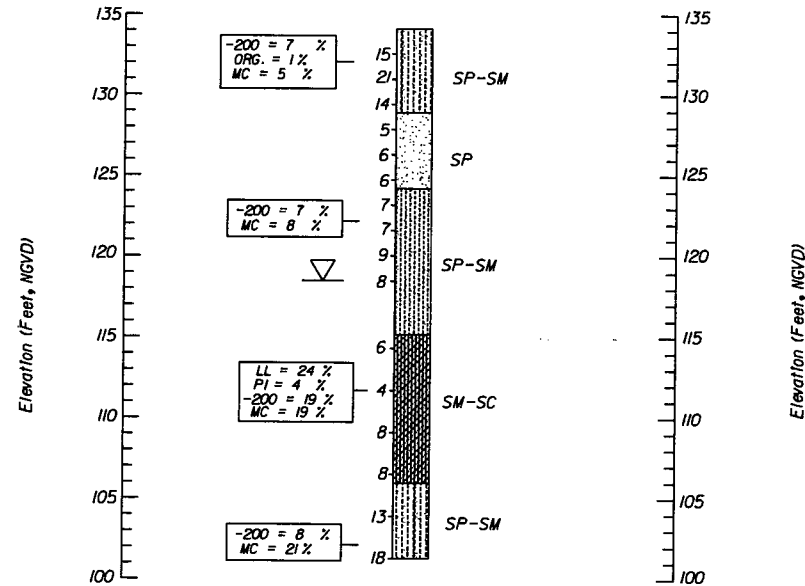


RECOMMENDED DESIGN PARAMETERS FOR BORING 1

Elevation (feet)	Total Unit Wt. (pcf)	Submerged Unit Wt. (pcf)	Angle of Internal Friction (degrees)	Cohesion (psf)
134 - 129	110	47.6	30	-----
129 - 106	105	42.6	29	-----
106 - 102	115	52.6	31	-----

Nominal Bearing Resistance between elevation 135 and 120 is 6000 psf.  
Submerged unit weight should be used below the water table.

BORING NO. B-1  
Sta. 25+90  
40.0' Rt.  
Elev. 134.1' Ft.  
09/24/03



LEGEND :

- = SP, Poorly graded sands and gravelly sands, little or no fines.
- = SP-SM, Poorly graded sands and gravelly sands, to silty sands, sand-silt mixtures.
- = SM-SC, Silty sands, sand-silt mixtures to clayey sands, sand-clay mixtures.

NOTES :

Numbers to the left of borings indicate SPT values for 12" penetration. (Unless otherwise noted.)

- = Water Table
- = Sign Pole Location
- = SPT Boring Location
- Type Rig = CME 75
- Hammer Used = Automatic
- All Elevations based on BM # 66

BENCHMARK DESCRIPTION AND LOCATION

4x4 concrete monument with brass disc located SE corner US 27/Stryker, elevation 132.12'.

ENVIRONMENTAL CLASSIFICATION

Substructure : Slightly Aggressive  
Superstructure : Slightly Aggressive

Corrosion Series Test Results (Soil)

Resistivity	Chlorides	Sulfates	pH
Ohms - cm	ppm	ppm	
(7-14') 34,000	60	52	8.2
(14-16') 8,300	60	103	7.0

GRANULAR MATERIALS-

Relative Density	Safety Hammer	Automatic Hammer
	SPT N-Value	SPT N-Value
Very Loose	Less than 4	Less than 3
Loose	4 - 10	3 - 7
Medium Dense	10 - 30	7 - 21
Dense	30 - 50	21 - 35
Very Dense	Greater than 50	Greater than 35

SILTS AND CLAYS-

Consistency	Safety Hammer	Automatic Hammer
	SPT N-Value	SPT N-Value
Very Soft	Less than 2	Less than 1
Soft	2 - 4	1 - 3
Firm	4 - 8	3 - 6
Stiff	8 - 15	6 - 11
Very Stiff	10 - 30	11 - 21
Hard	Greater than 30	Greater than 21

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD,  
Teresa Nelson Puckett, P.E. #44762  
FLA. DEPT. OF TRANSPORTATION  
MATERIALS OFFICE  
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DRAWN BY:  
DML 12-04  
CHECKED BY:  
MEH 12-04  
DESIGNED BY:  
XXX MM-YY  
CHECKED BY:  
XXX MM-YY

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

ROAD NO. 25 COUNTY HIGHLANDS FINANCIAL PROJECT ID 194485-1-52-01

SHEET TITLE:

REPORT OF CORE BORINGS SHEET FOR RETAINING WALL

PROJECT NAME:

SR 25

REF. DWG. NO.  
SHEET NO.  
286

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-23.003, F.A.C.