

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS

INDEX OF ROADWAY PLANS

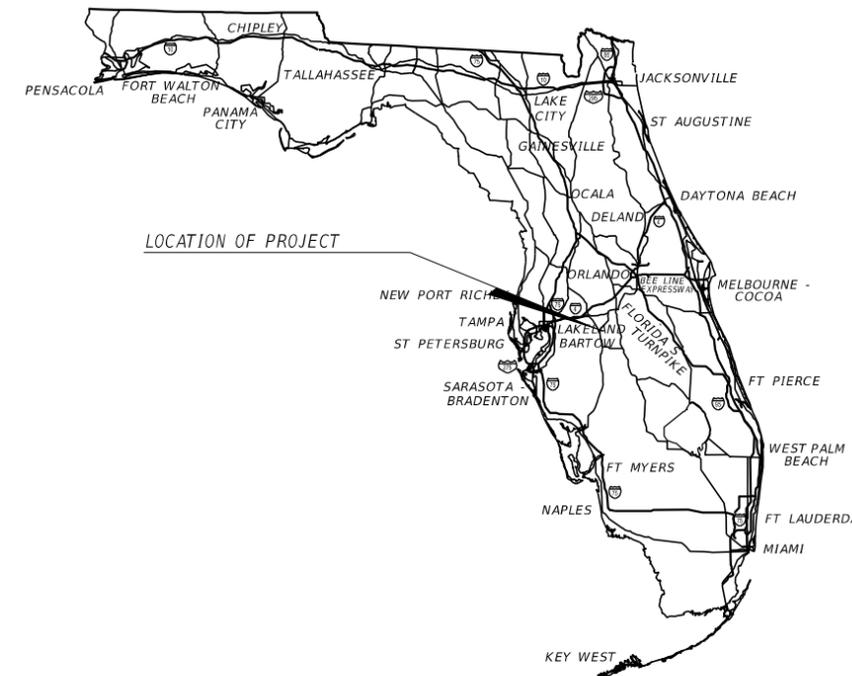
SHEET NO.	SHEET DESCRIPTION
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4-5	TYPICAL SECTIONS
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CITY OF LAKELAND
DEPARTMENT OF PUBLIC WORKS

CONTRACT PLANS

FINANCIAL PROJECT ID 429813-1-58-01

POLK COUNTY, FLORIDA
US 92 (NEW TAMPA HIGHWAY) AT WABASH AVENUE

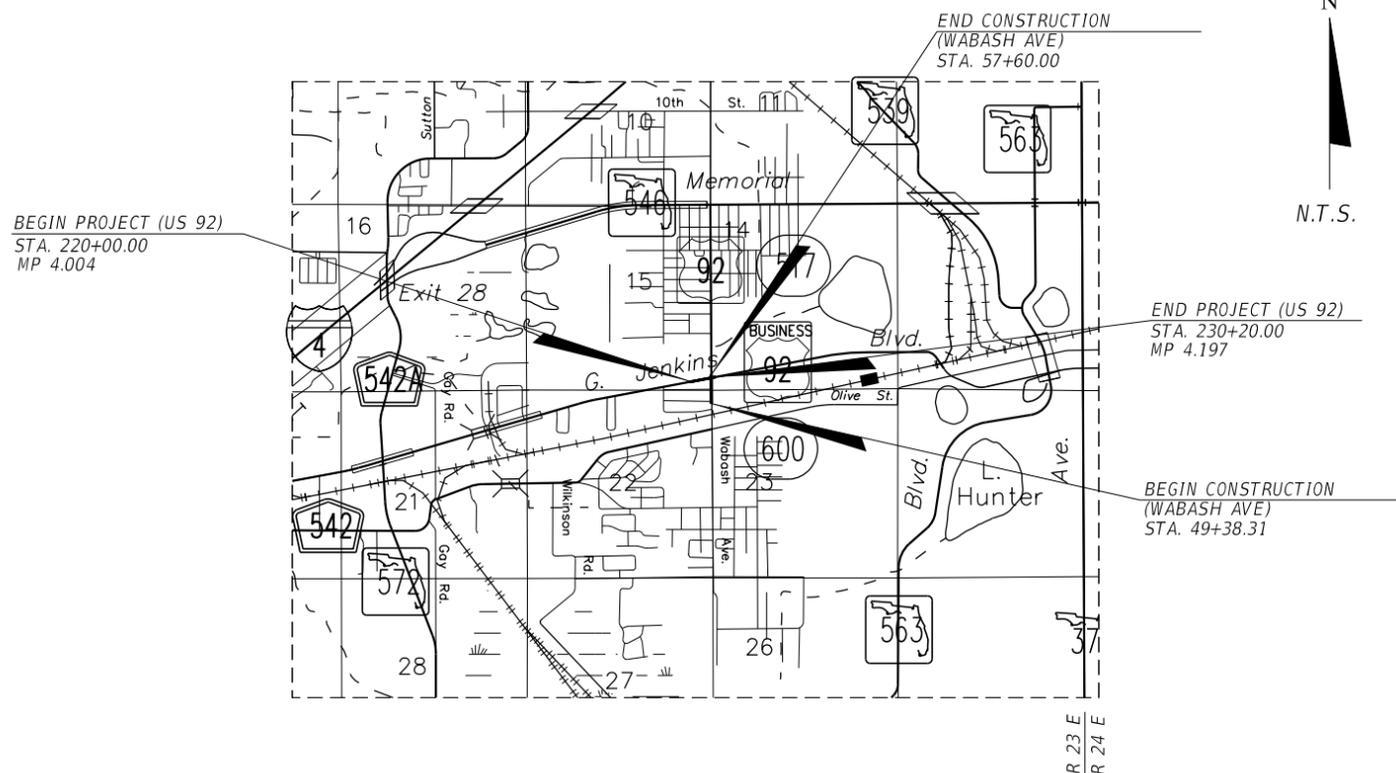


PLANS PREPARED BY:
JMT, INC.
2000 EAST 11th AVENUE
SUITE 300
TAMPA, FLORIDA 33605-3830
PHONE: 813.314.0314
FAX: 813.314.0345
VENDOR NO.: 52-0963531
CERTIFICATE OF AUTHORIZATION: 5917

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

THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.

ROADWAY PLANS
ENGINEER OF RECORD: JORDAN L. CAVIGGIA
P.E. NO.: 68253



GOVERNING DESIGN STANDARDS:

Florida Department of Transportation, FY2019-20 Design Standards eBook (DSeB) and applicable Design Standards Revisions (DSRs) at the following website:
<http://www.fdot.gov/roadway/DesignStandards/Standards.shtm>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, January 2020 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

LENGTH OF PROJECT		
	LIN. FT.	MILES
ROADWAY	1020.00	0.193
BRIDGES	0	0.000
NET LENGTH OF PROJECT	1020.00	0.193
EXCEPTIONS	0	0.000
GROSS LENGTH OF PROJECT	1020.00	0.193

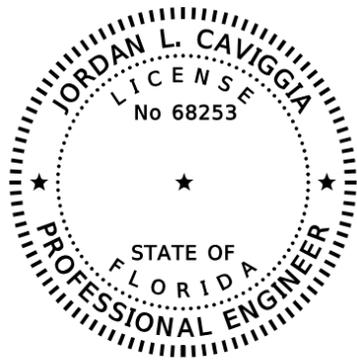
KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

PROJECT MANAGER: NAOMI TILLET, PE (CITY OF LAKELAND)

FISCAL YEAR	SHEET NO.
2020	1

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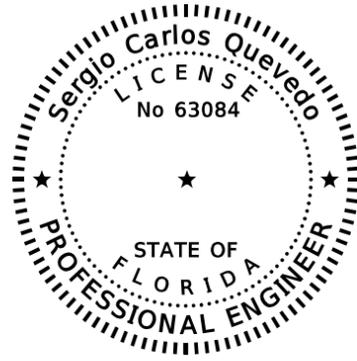
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JOHNSON, MIRMIRAN & THOMPSON, INC.
2000 EAST 11th AVENUE, SUITE 300
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION NO. 5917
JORDAN L. CAVIGGIA, P.E. NO. 68253

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
4-5	TYPICAL SECTIONS
6	SUMMARY OF DRAINAGE STRUCTURES
7	GENERAL NOTES / REFERENCE POINTS
8-12	ROADWAY PLANS
13-15	DRAINAGE STRUCTURES
16-31	CROSS SECTIONS
32	DRIVEWAY HALF SECTIONS
33	TRAFFIC CONTROL PLAN
34	TRAFFIC CONTROL DETAIL



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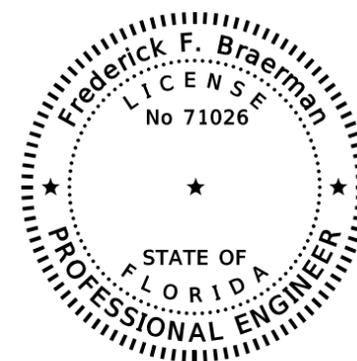
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2000 EAST 11th AVENUE, SUITE 300
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION NO. 5917
SERGIO CARLOS QUEVEDO, P.E. NO. 63084

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
S-1	SIGNING & PAVEMENT MARKING TABULATION OF QUANTITIES
S-2 THRU S-6	SIGNING & PAVEMENT MARKING PLAN
T-1	SIGNALIZATION TABULATION OF QUANTITIES
T-2	SIGNALIZATION GENERAL NOTES & PAY ITEM NOTES
T-3 -T-4	SIGNALIZATION PLAN
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T-8	STEEL STRAIN POLE TABULATION SHEET



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ON THE DATE ADJACENT TO THE SEAL

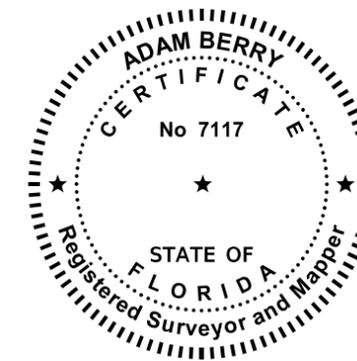
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JOHNSON, MIRMIRAN & THOMPSON, INC.
2000 EAST 11th AVENUE, SUITE 300
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION NO. 5917
FREDERICK F. BRAERMAN, P.E. NO. 71026

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
T-9	STEEL STRAIN POLE SCHEDULE
T-10	SIGN BRACKET ARM (1 OF 2)
T-11	SIGN BRACKET ARM (2 OF 2)



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

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ECHO UES, INC.
16514 N DALE MABRY HIGHWAY
TAMPA, FL 33618
CERTIFICATE OF AUTHORIZATION NO. 8184
ADAM BERRY, PSM LS 7117

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
35	SUMMARY OF UTILITY LOCATES

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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			CITY OF LAKELAND			SIGNATURE SHEET	THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.	JORDAN L. CAVIGGIA		SHEET NO.
DATE / TIME	BY	DESCRIPTION	DEPARTMENT OF PUBLIC WORKS					DATE		
			ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
			US 92	POLK	429813-1-58-01					

PAY ITEM #	ITEM DESCRIPTION	UNIT	QTY
0101 1	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS	1
0102 1	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS	1
0999 25	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS	1
0110 1 1	CLEARING & GRUBBING	LS	1 (0.725 Ac)
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	196
0120 1	REGULAR EXCAVATION	CY	367
0120 6	EMBANKMENT	CY	107
0160 4	TYPE B STABILIZATION	SY	606
0285709	OPTIONAL BASE, BASE GROUP 09	SY	362
0327 70 4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	SY	7737
0327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	4300
0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	682.7
0337 7 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	TN	670.4
0400 0 11	CONCRETE CLASS NS, GRAVITY WALL	CY	15
0415 1 3	REINFORCING STEEL- RETAINING WALL	LB	573
0425 1321	INLETS, CURB, TYPE P-2, <10'	EA	1
0425 1451	INLETS, CURB, TYPE J-5, <10'	EA	2
0425 1561	INLETS, DT BOT, TYPE F, <10'	EA	3
0425 2 63	MANHOLES, P-8, PARTIAL	EA	1
0430175115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"S/CD	LF	8
0430175124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"S/CD	LF	15
0430175130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	24
0430175218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER-ELIP/ARCH, 18"S/CD	LF	232
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	1089
0520 70	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	SY	58
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	1094
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	157
0522 3	BUS BOARDING PAD- CONCRETE	SY	14
0527 2	DETECTABLE WARNINGS	SF	261
0570 1 2	PERFORMANCE TURF, SOD	SY	1770
1644800	FIRE HYDRANT, RELOCATE	EA	1

PAY ITEM #	ITEM DESCRIPTION	UNIT	QTY
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	18
0700 1 50	SINGLE POST SIGN, RELOCATE	AS	5
0700 1 60	SINGLE POST SIGN, REMOVE	AS	5
0705 11 3	DELINEATOR, FLEXIBLE HIGH VISABILITY MEDIAN	EA	2
0710 11290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	16
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	1320
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	213
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	258
0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.176
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	4
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	28
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	254
0711 11241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.046
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	679
0711 14160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	1
0711 14170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	1
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.878
0711 16102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.107
0711 16131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM	0.043
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.659
0711 16231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.125

PAY ITEM #	ITEM DESCRIPTION	UNIT	QTY
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	399
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	315
0632 7 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1
0634 4153	SPAN WIRE ASSEMBLY, F&I, TWO POINT, BOX OR DROP BOX	PI	1
0634 5 1	FIBERGLASS INSULATOR, FURNISH & INSTALL	LF	72
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	17
0639 1122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1
0639 1620	ELECTRICAL POWER SERVICE, REMOVE UNDERGROUND	AS	1
0639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	18
0639 2 6	ELECTRICAL SERVICE WIRE, REMOVE	LF	10
0641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	1
0641 2 60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA	1
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	8
0646 1 60	ALUMINUM SIGNALS POLE, REMOVE	EA	1
0649 1 13	STEEL STRAIN POLE, F&I, TYPE PS- VI	EA	4
0649 26 5	STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION- BOLT ON ATTACHMENT	EA	4
0650 1 14	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	10
0650 1 16	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	3
0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	8
0660 4 11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	1
0660 4 12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	4
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	8
0670 5120	TRAFFIC CONTROLLER ASSEMBLY, F&I, 170	AS	1
0670 5600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	1
0682 1113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA	1
0685 1 13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	EA	1
0700 5 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	4
0700 11391	ELECTRONIC DISPLAY SIGN, F&I OVERHEAD MOUNT- AC POWERED, BLANK OUT SIGN, UP TO 12 SF	AS	1

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REVISIONS			CITY OF LAKE LAND DEPARTMENT OF PUBLIC WORKS		
DATE / TIME	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID
			US 92	POLK	429813-1-58-01

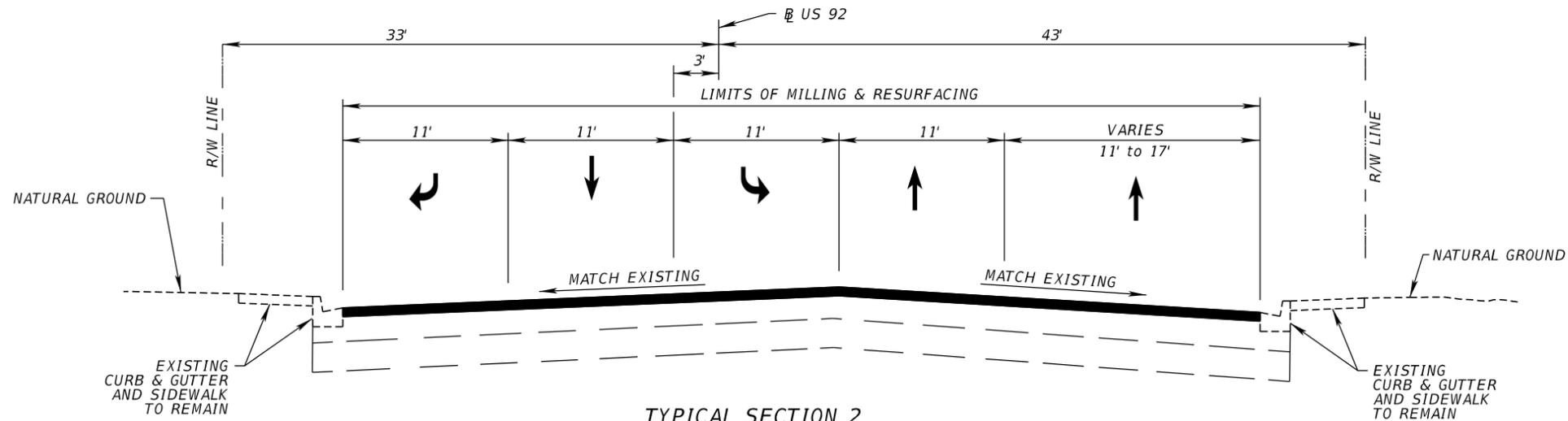
SUMMARY OF PAY ITEMS

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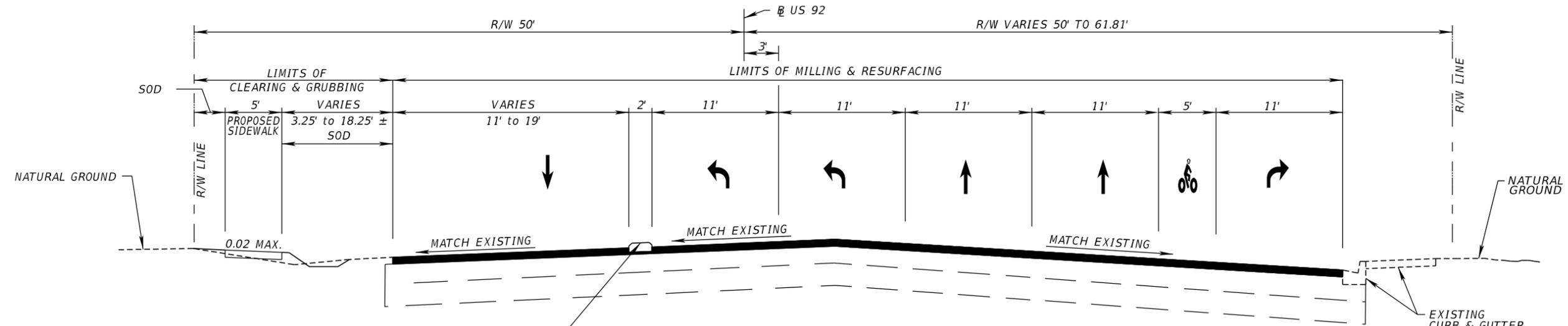
JORDAN L. CAVIGGIA
P.E. LICENSE NO. 68253
JMT, INC.
2000 EAST 11TH AVENUE, SUITE 300
TAMPA, FLORIDA 33605-3830

SHEET
NO.
3

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TYPICAL SECTION 2
 US 92 (NEW TAMPA HIGHWAY)
 STA. 228+67.80 TO STA. 230+20.00

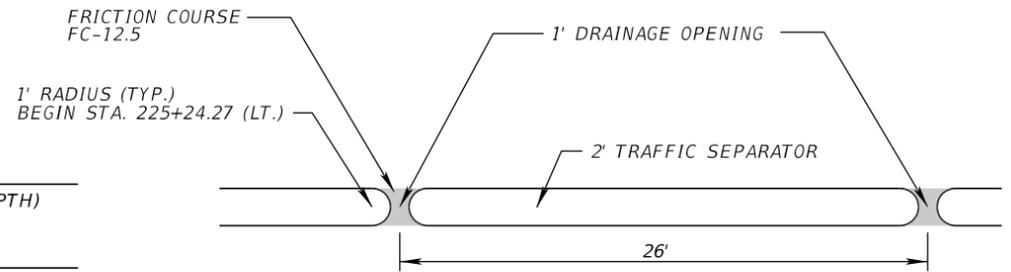


TYPICAL SECTION 1
 US 92 (NEW TAMPA HIGHWAY)
 STA. 220+00.00 TO STA. 228+67.80

TYPICAL SECTIONS 1 & 2

- DRIVEWAY MILLING**
MILL EXISTING ASPHALT PAVEMENT 1.50" (AVG. DEPTH)
- DRIVEWAY RESURFACING**
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.50") (PG 76-22)
- DRIVEWAY CONSTRUCTION**
OPTIONAL BASE GROUP 9
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.50")

- ROADWAY MILLING**
MILL EXISTING ASPHALT PAVEMENT 3" (AVG. DEPTH)
- ROADWAY RESURFACING**
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1.50") AND
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.50") (PG 76-22)



TRAFFIC SEPARATOR DRAINAGE DETAIL
 DRAINAGE SLOTS BEGIN AT STA. 225+25.77 (C OF OPENING) AND ARE SPACED AT 26' INTERVALS (C TO C) THROUGH STA. 227+33.77

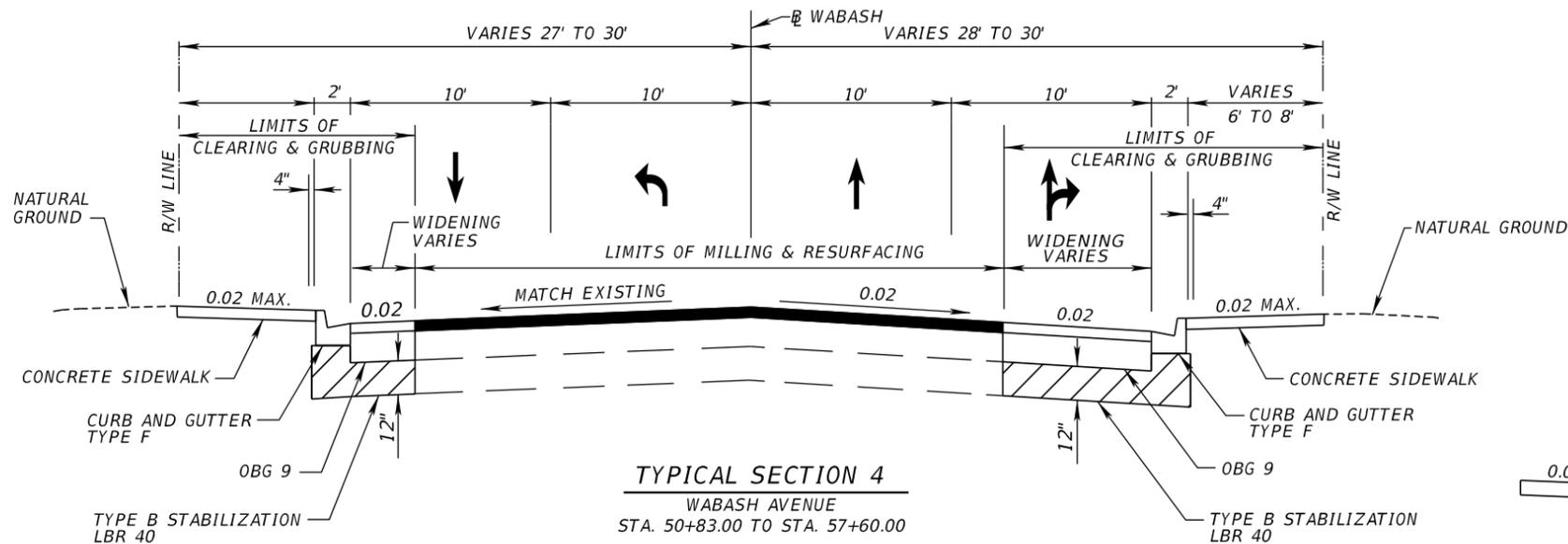
TRAFFIC DATA

CURRENT YEAR = 2013 AADT = 15,300
 ESTIMATED OPENING YEAR = 2015 AADT = 15,606
 ESTIMATED DESIGN YEAR = 2035 AADT = 23,190
 K = 9% D = 56% T = 11% (24 HOUR)
 DESIGN HOUR T = 11%
 DESIGN SPEED = 45 MPH

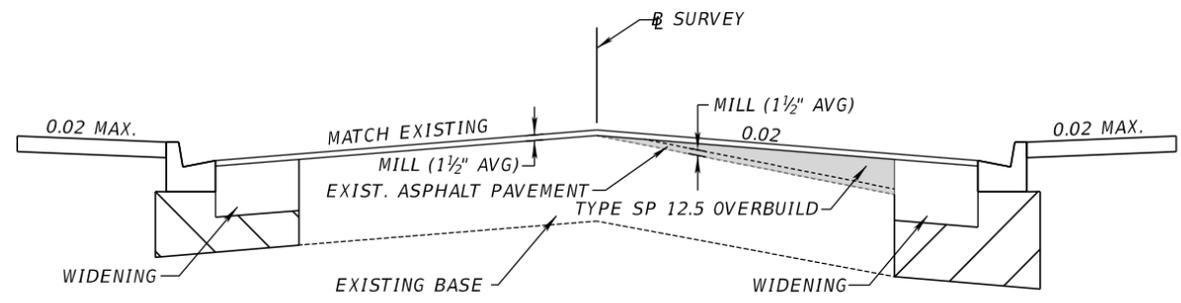
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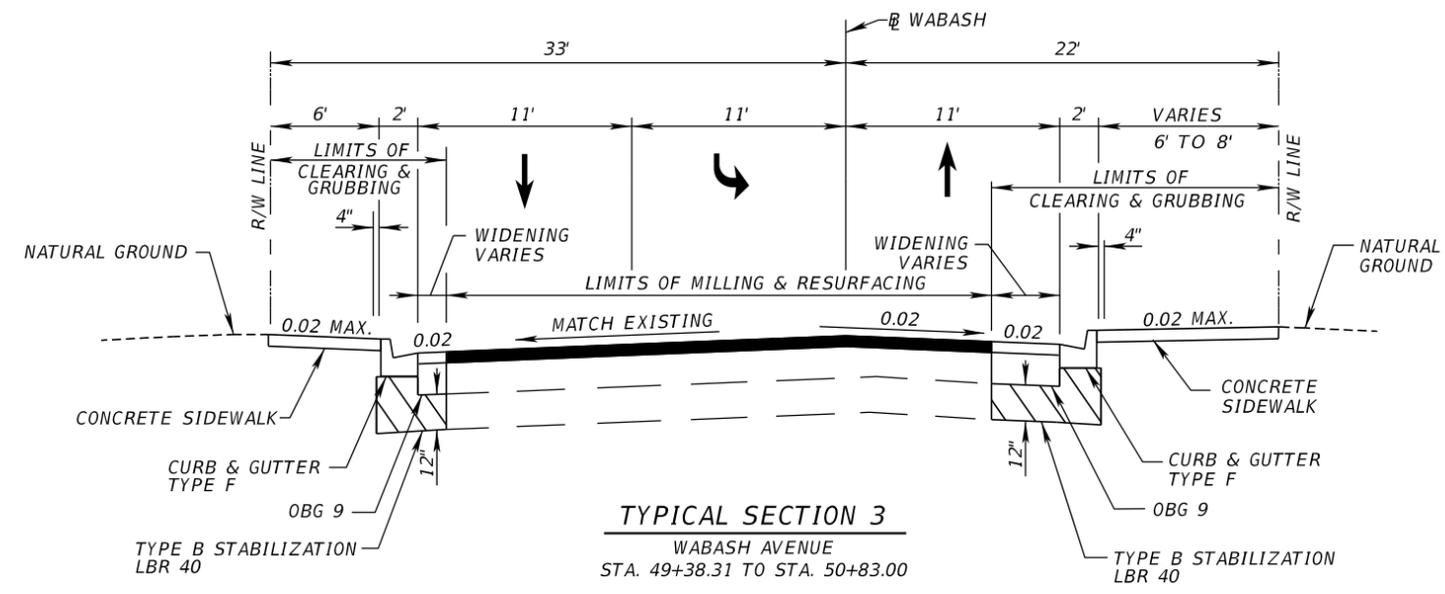
REVISIONS			CITY OF LAKELAND			TYPICAL SECTION (1)	THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.	JORDAN L. CAVIGGIA P.E. LICENSE NO. 68253 JMT, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	DATE	SHEET NO.				
DATE / TIME	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID									
			US 92	POLK	429813-1-58-01									4



TYPICAL SECTION 4
WABASH AVENUE
STA. 50+83.00 TO STA. 57+60.00



OVERBUILD AND RESURFACING DETAIL
(n.t.s.)
Sta. 49+38.31 to 54+20.00



TYPICAL SECTION 3
WABASH AVENUE
STA. 49+38.31 TO STA. 50+83.00

TYPICAL SECTIONS 3 & 4

- MILLING**
MILL EXISTING ASPHALT PAVEMENT 1.50" (AVG. DEPTH)
- RESURFACING**
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.50")
- WIDENING**
OPTIONAL BASE GROUP 9 (TYPE B 12.5 ONLY)
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
FRICTION COURSE FC-12.5 (TRAFFIC C) (1.50")

STATION	EXIST. SLOPE	OVERBUILD		
		AREA (SF)	VOL (CY)	TN
49+50.00		0.00		
50+00.00	0.047	2.90	2.69	0.19
50+50.00	0.043	2.42	4.93	0.36
51+00.00	0.028	1.86	3.97	0.29
51+50.00	0.032	1.87	3.45	0.25
52+00.00	0.040	3.19	4.68	0.34
52+50.00	0.057	7.49	9.89	0.72
53+00.00	0.050	6.69	13.13	0.95
53+50.00	0.050	6.79	12.48	0.90
54+00.00	0.052	4.24	10.21	0.74
54+50.00		0.00	3.92	0.28
		TOTAL	5.03	

TRAFFIC DATA
 CURRENT YEAR = 2013 AADT = 10,000
 ESTIMATED OPENING YEAR = 2015 AADT = 10,201
 ESTIMATED DESIGN YEAR = 2035 AADT = 12,447
 K = 9% D = 56% T = 11% (24 HOUR)
 DESIGN HOUR T = 11%
 DESIGN SPEED = 35 MPH

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REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

TYPICAL SECTION (2)

THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.

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 P.E. LICENSE NO. 68253
 JMT, INC.
 2000 EAST 11TH AVENUE, SUITE 300
 TAMPA, FLORIDA 33605-3830

SHEET NO.
5

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GENERAL NOTES

1. THE BENCH MARK DATUM IN THE PLAN IS BASED ON NAVD 1988.
2. 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 WITH DELAY BY TELEPHONE.
3. EXISTING SUPERELEVATION RATES ARE TO BE MAINTAINED UNLESS OTHERWISE SHOWN IN THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER.
4. 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 FDOT DESIGN STANDARDS 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 WITHIN THE LIMITS OF SIGNALIZED INTERSECTIONS.

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

5. ALL PAVED INTERSECTIONS TO BE RESURFACED TO THE FARTHEST RADIUS RETURN UNLESS OTHERWISE SHOWN IN THE PLANS OR OTHERWISE DIRECTED BY THE PROJECT ENGINEER.
6. TRAFFIC SHALL NOT BE ALLOWED ON ANY MILLED SURFACE UNLESS SPECIFICALLY DESIGNATED OTHERWISE.
7. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.
8. THE CONTRACTOR SHALL VERIFY THE LOCATION, ELEVATION, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES AFFECTING HIS WORK AND SHALL COMPLY WITH ALL STATE, COUNTY, AND LOCAL ORDINANCES. THE CONTRACTOR SHALL OBTAIN ANY NECESSARY WORK PERMITS THAT MAY BE REQUIRED PRIOR TO ANY CONSTRUCTION.
9. THE CONTRACTOR SHALL USE LOW-PROFILE EQUIPMENT TO AVOID IMPACTS TO OVERHEAD UTILITIES.
10. PER FDOT SPECIFICATION 8-6.4 SUSPENSION OF CONTRACTOR'S OPERATIONS - HOLIDAYS AND SPECIAL EVENTS. SPECIAL EVENT DAYS FOR THIS PROJECT INCLUDE:
 - MARTIN LUTHER KING, JR. DAY
 - MEMORIAL DAY AND THE SATURDAY AND SUNDAY IMMEDIATELY PRECEDING
 - INDEPENDENCE DAY AND INDEPENDENCE DAY OBSERVED
 - LABOR DAY AND THE FRIDAY, SATURDAY, & SUNDAY IMMEDIATELY PRECEDING
 - VETERANS DAY
 - THANKSGIVING DAY AND THE WEDNESDAY IMMEDIATELY PRECEDING AND AND THE FRIDAY, SATURDAY, AND SUNDAY IMMEDIATELY FOLLOWING
 - DECEMBER 24TH THROUGH JANUARY 2ND INCLUSIVE
11. THE EXISTING BUS STOP AT 2121 NEW TAMPA HIGHWAY (APPROX. STA. 220+70 LT.) WILL BE REMOVED. CONTACT BILL KNIERIEM (wknieriem@ridecitrus.com) FOR REMOVAL OF EXISTING IMPROVEMENTS.
12. REFER TO THE CODE OF THE CITY OF LAKELAND, FLORIDA, CHAPTER 70, ARTICLE II GOVERNING NOISE CONTROL.
13. THE CONTRACTOR SHALL ADHERE TO CITY OF LAKELAND ORDINANCE NO. 5207 FOR NOISE CONTROL.
14. ALL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEMS DEWATERING ACTIVITIES WITHIN 500' OF THE TWO (2) CONTAMINATED SITES (CITGO FOOD MART, FDEP FACILITY ID#: 8623779 AND PAUL'S WESCO, FDEP FACILITY ID#: 8624020) MUST BE COORDINATED WITH THE CITY OF LAKELAND'S DEPARTMENT OF PUBLIC WORKS TO ENSURE FDEP COMPLIANCE.

UTILITY GENERAL NOTES

1. THE LOCATION 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 LOCATIONS/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 811 (800.432.4770) AND SHALL ALSO NOTIFY THOSE UTILITY OWNERS/AGENCIES WITHIN OR IMPACTED BY THESE PLANS NOT LESS THAN TWO FULL DAYS IN ADVANCE OF THE BEGINNING OF CONSTRUCTION ON THE JOB SITE.

UTILITY AGENCIES/OWNERS

CITY OF LAKELAND
FIBER OPTIC
ROBERT SMITH 863.834.6891
3610 DRANE FIELD ROAD
LAKELAND, FL 33811

CITY OF LAKELAND
ELECTRIC
KRIS HAYES 863.834.6486
501 E. LEMON STREET LE-ROW
LAKELAND, FL 33801

CITY LAKELAND
WASTEWATER
DALTON KNOWLES
501 E. LEMON STREET
LAKELAND, FL 33811

FRONTIER COMMUNICATIONS
DANIEL COLLINGS 813.978.2158
7701 TELECOM PARKWAY
MC FLTDSA3
TEMPLE TERRACE, FL 33637

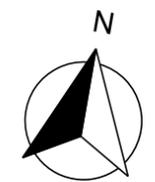
SPECTRUM
TOM SANSING 863.288.2340 X84264
1004 US HIGHWAY 92 WEST
AUBURNDALE, FL 33823

TECO PEOPLES GAS LAKELAND
JENNIFER LOWERS 863.603.2226
445 KATHLEEN ROAD
LAKELAND, FL 33815

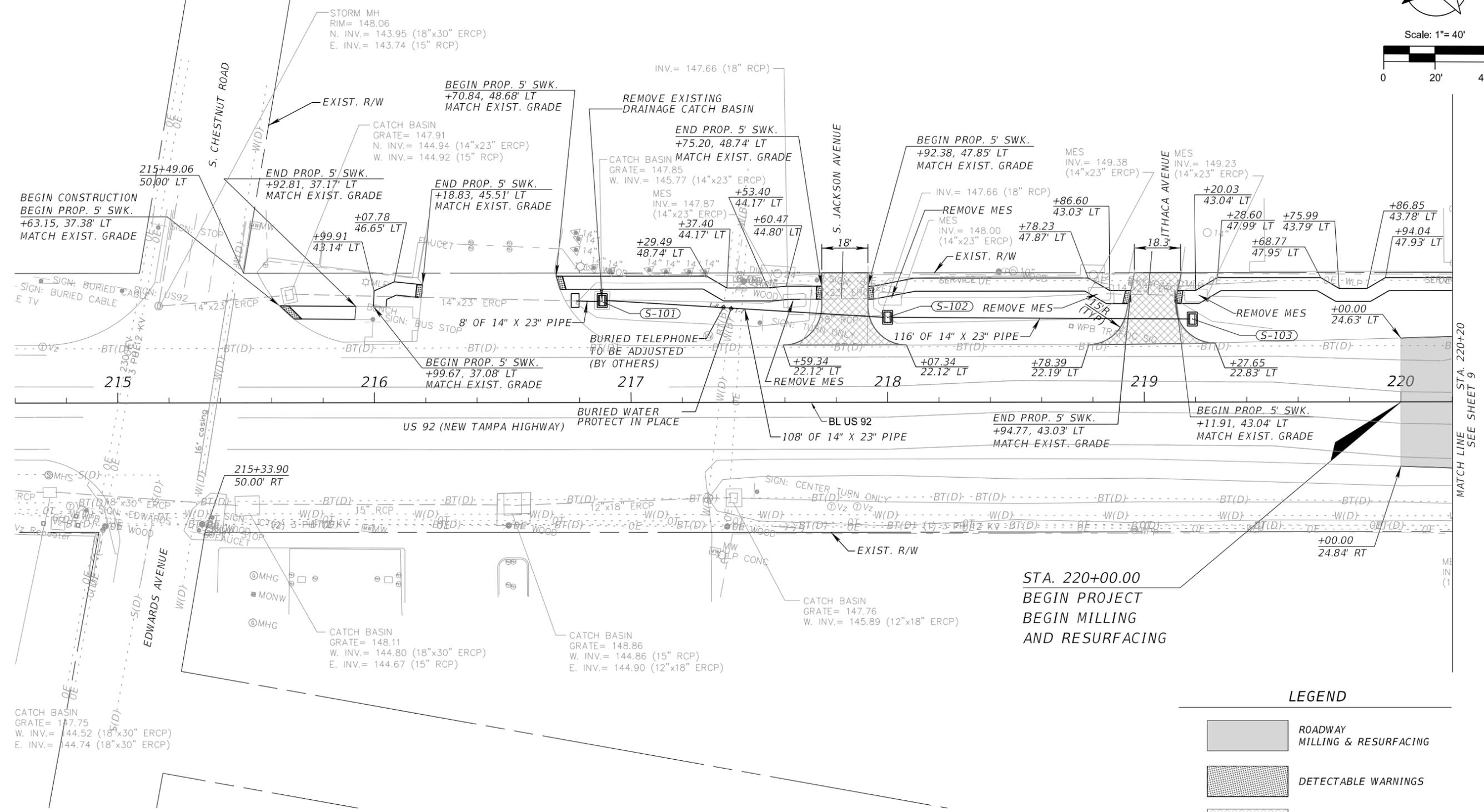
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REVISIONS			CITY OF LAKELAND			GENERAL NOTES	THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.	JORDAN L. CAVIGGIA P.E. LICENSE NO. 68253 JMT, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	SHEET NO.		
DATE / TIME	BY	DESCRIPTION	DEPARTMENT OF PUBLIC WORKS							DATE	
			ROAD NO.	COUNTY	FINANCIAL PROJECT ID						
			US 92	POLK	429813-1-58-01						



Scale: 1"= 40'



LEGEND

	ROADWAY MILLING & RESURFACING
	DETECTABLE WARNINGS
	DRIVEWAY MILLING & RESURFACING

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REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

ROADWAY PLAN (1)

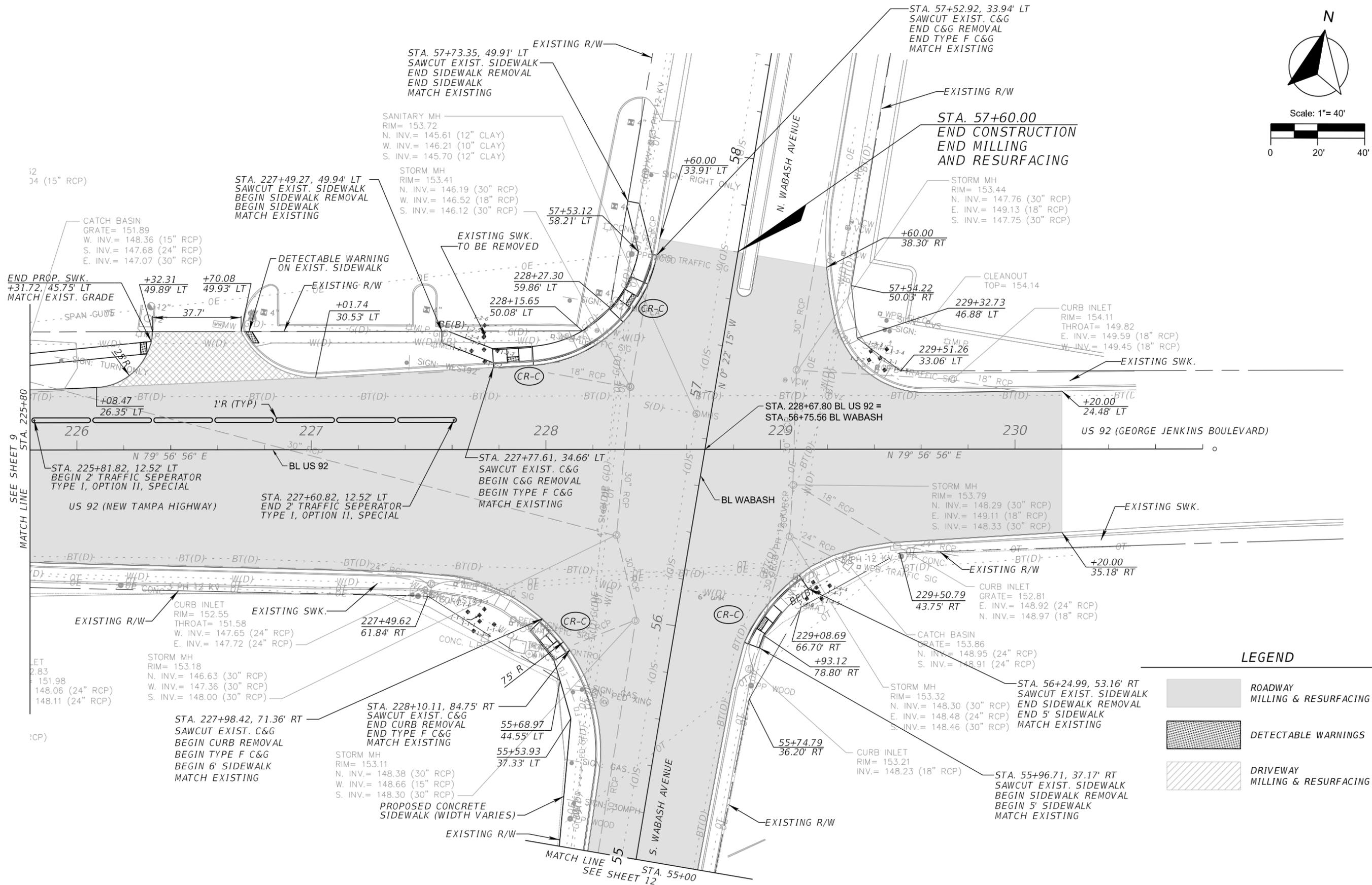
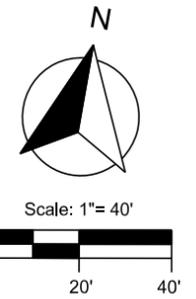
THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.

JORDAN L. CAVIGGIA
P.E. LICENSE NO. 68253
JMT, INC.
2000 EAST 11TH AVENUE, SUITE 300
TAMPA, FLORIDA 33605-3830

DATE

SHEET NO.
8

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LEGEND

	ROADWAY MILLING & RESURFACING
	DETECTABLE WARNINGS
	DRIVEWAY MILLING & RESURFACING

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REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

ROADWAY PLAN (3)

THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.

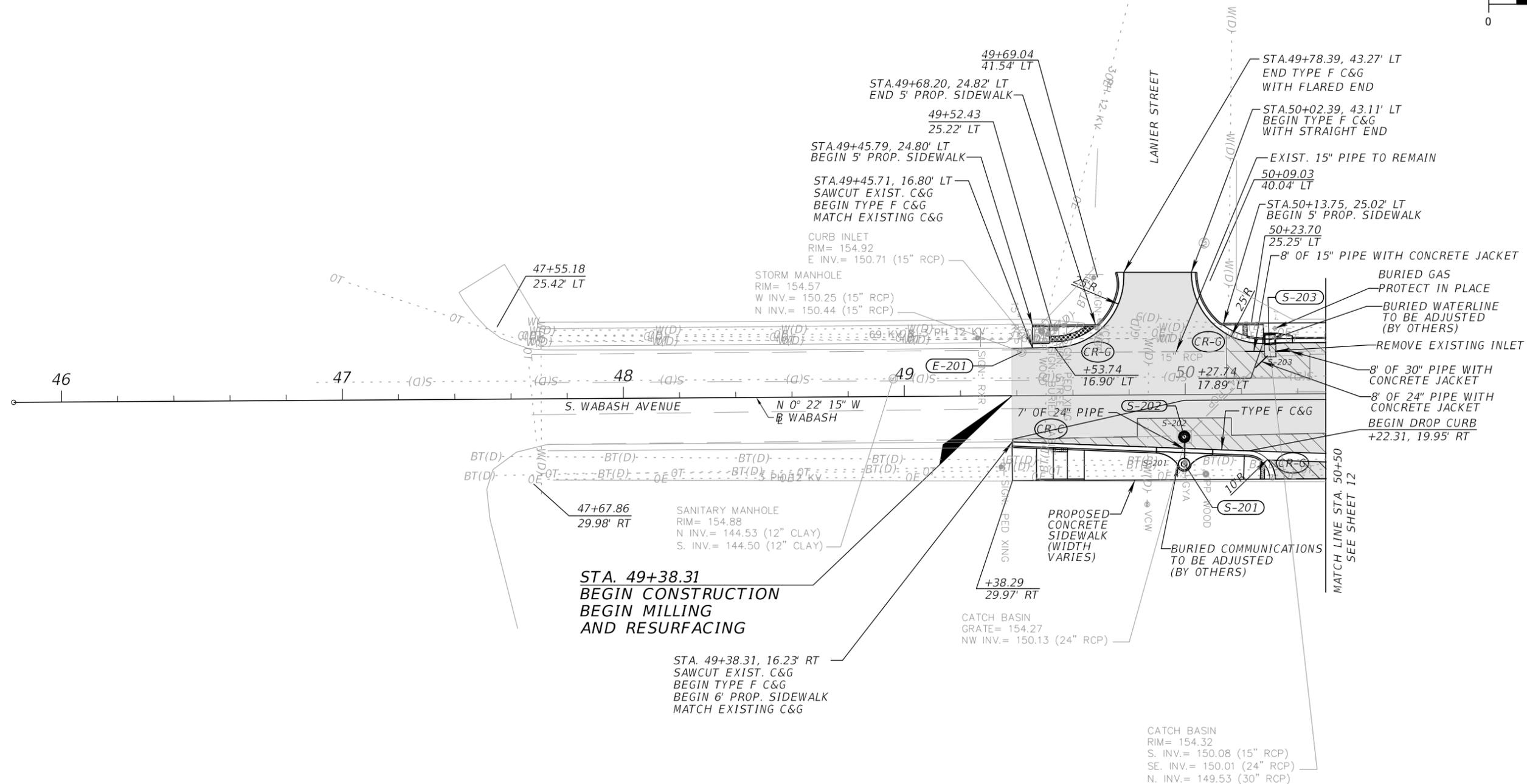
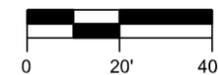
JORDAN L. CAVIGGIA
P.E. LICENSE NO. 68253
JMT, INC.
2000 EAST 11TH AVENUE, SUITE 300
TAMPA, FLORIDA 33605-3830

DATE

SHEET NO.
10



Scale: 1"= 40'



LEGEND

- MILLING & RESURFACING
- DETECTABLE WARNINGS
- PAVEMENT WIDENING/
PAVEMENT RECONSTRUCTION

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REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

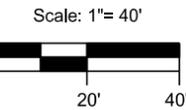
ROADWAY PLAN (4)

THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.

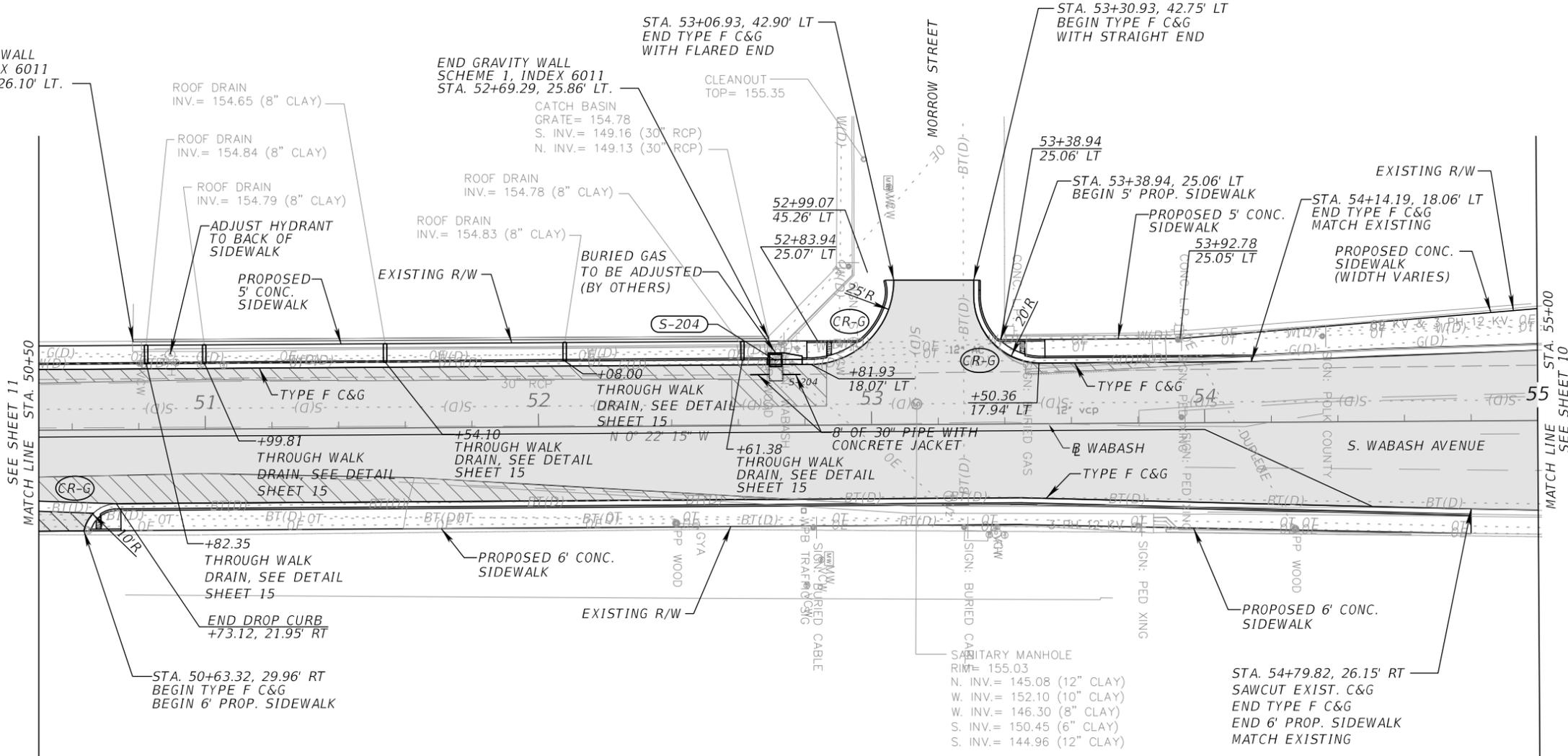
JORDAN L. CAVIGGIA P.E. LICENSE NO. 68253 JMT, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	DATE
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SHEET NO.	11
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BEGIN GRAVITY WALL
SCHEME 1, INDEX 6011
STA. 50+78.42, 26.10' LT.



SEE SHEET 11
MATCH LINE STA. 50+50

MATCH LINE STA. 55+00
SEE SHEET 10

LEGEND

- MILLING & RESURFACING
- DETECTABLE WARNINGS
- PAVEMENT WIDENING/
PAVEMENT RECONSTRUCTION

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REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

ROADWAY PLAN (5)

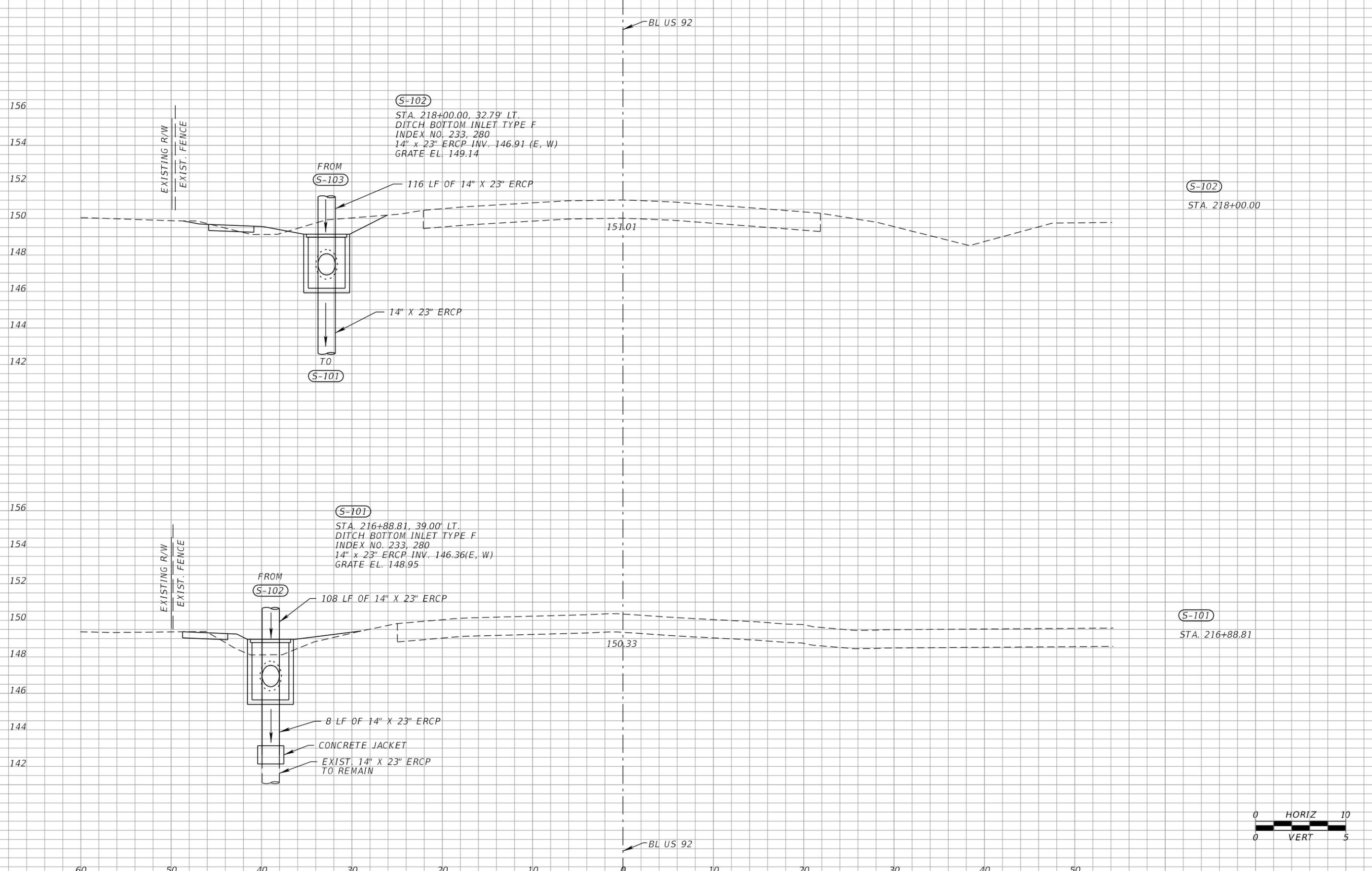
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JORDAN L. CAVIGGIA P.E. LICENSE NO. 68253 JMT, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	DATE
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SHEET NO.	12
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REVISIONS			CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS			DRAINAGE STRUCTURES (1)	THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.	JORDAN L. CAVIGGIA P.E. LICENSE NO. 68253 JMT, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	DATE	SHEET NO.
DATE / TIME	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
			US 92	POLK	429813-1-58-01					

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REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

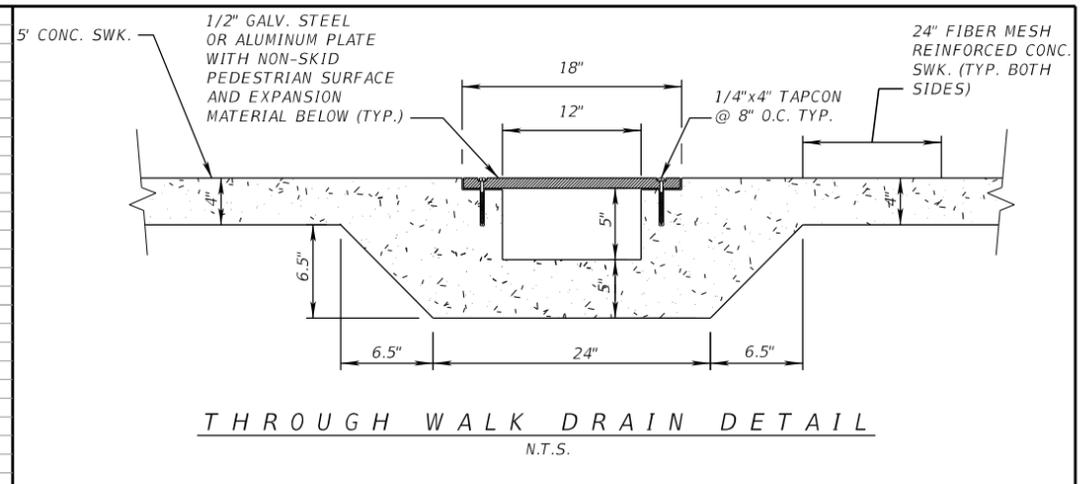
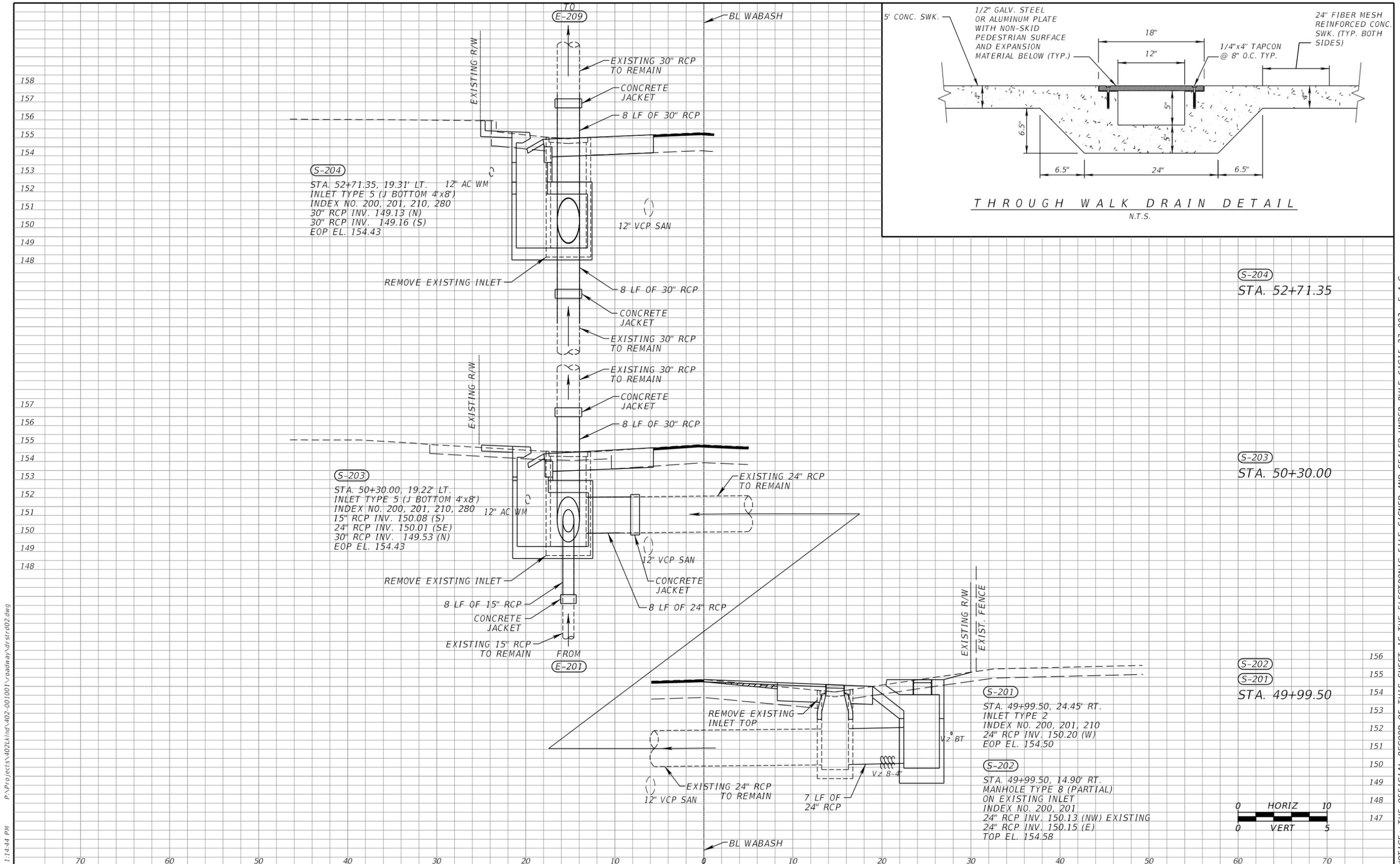
DRAINAGE STRUCTURES (2)

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JORDAN L. CAVIGGIA
P.E. LICENSE NO. 68253
JMT, INC.
2000 EAST 11TH AVENUE, SUITE 300
TAMPA, FLORIDA 33605-3830

SHEET
NO.

14



(S-204)
 STA. 52+71.35, 19.31' LT. 12" AC WM
 INLET TYPE 5 (J BOTTOM 4'x8')
 INDEX NO. 200, 201, 210, 280
 30" RCP INV. 149.13 (N)
 30" RCP INV. 149.16 (S)
 EOP EL. 154.43

(S-203)
 STA. 50+30.00, 19.22' LT.
 INLET TYPE 5 (J BOTTOM 4'x8')
 INDEX NO. 200, 201, 210, 280 12" AC WM
 15" RCP INV. 150.08 (S)
 24" RCP INV. 150.01 (SE)
 30" RCP INV. 149.53 (N)
 EOP EL. 154.43

THROUGH WALK DRAIN DETAIL
 N.T.S.

(S-204)
 STA. 52+71.35

(S-203)
 STA. 50+30.00

(S-202)
(S-201)
 STA. 49+99.50

(S-201)
 STA. 49+99.50, 24.45' RT.
 INLET TYPE 2
 INDEX NO. 200, 201, 210
 24" RCP INV. 150.20 (W)
 EOP EL. 154.50

(S-202)
 STA. 49+99.50, 14.90' RT.
 MANHOLE TYPE 8 (PARTIAL)
 ON EXISTING INLET
 INDEX NO. 200, 201
 24" RCP INV. 150.13 (NW) EXISTING
 24" RCP INV. 150.15 (E)
 TOP EL. 154.58

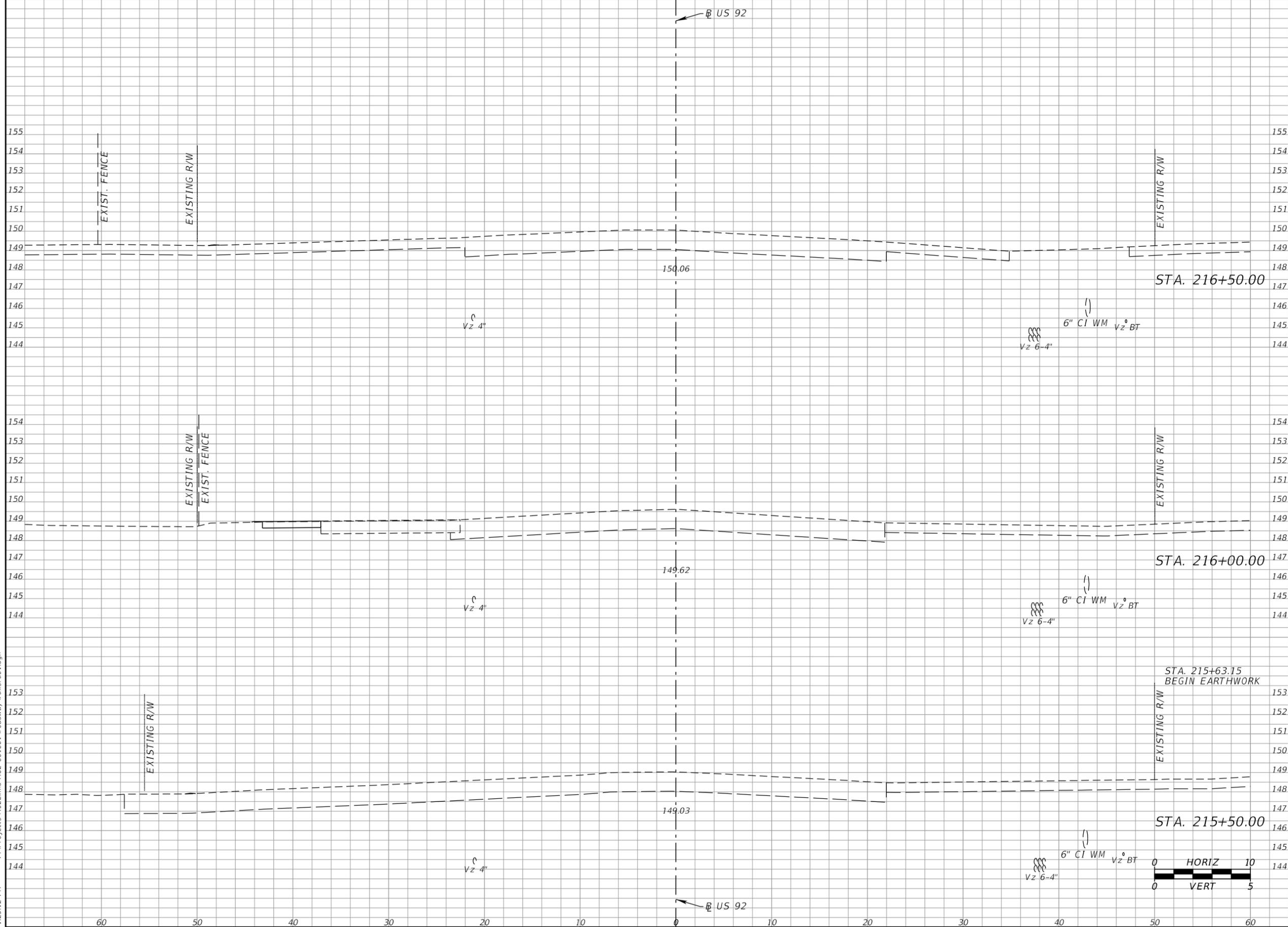


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REVISIONS DATE / TIME BY DESCRIPTION			CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS			<h2>DRAINAGE STRUCTURES (3)</h2>	THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.	JORDAN L. CAVIGGIA P.E. LICENSE NO. 68253 JMT, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	SHEET NO. <h1 style="margin: 0;">15</h1>
			ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
			US 92	POLK	429813-1-58-01				

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Regular		Exc.		Embankment	
A	V	A	V	A	V
0.0				0.0	
	2				0
1.9				0.0	
	1				0
0.0				0.0	

REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

CROSS SECTIONS (1)

THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.

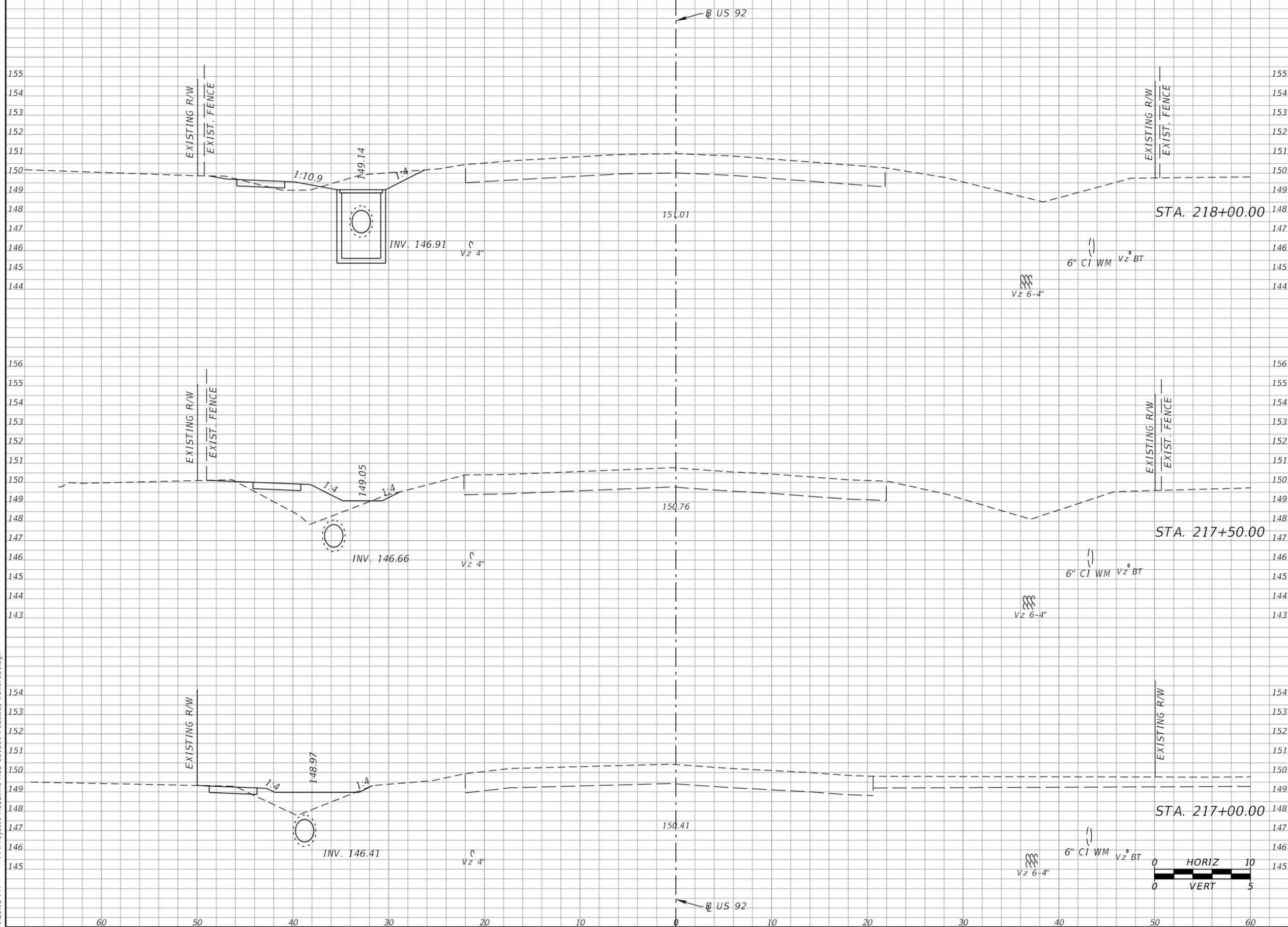
DATE _____

JORDAN L. CAVIGGIA
P.E. LICENSE NO. 68253
JMT, INC.
2000 EAST 11TH AVENUE, SUITE 300
TAMPA, FLORIDA 33605-3830

SHEET NO.
16

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Station	Regular		Exc.		Embankment	
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STA. 218+00.00	6.5				2.3	
STA. 217+50.00	0.5			6	11.1	12
STA. 217+00.00	1.3		2		6.9	17
			1			6



REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

CROSS SECTIONS (2)

THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.

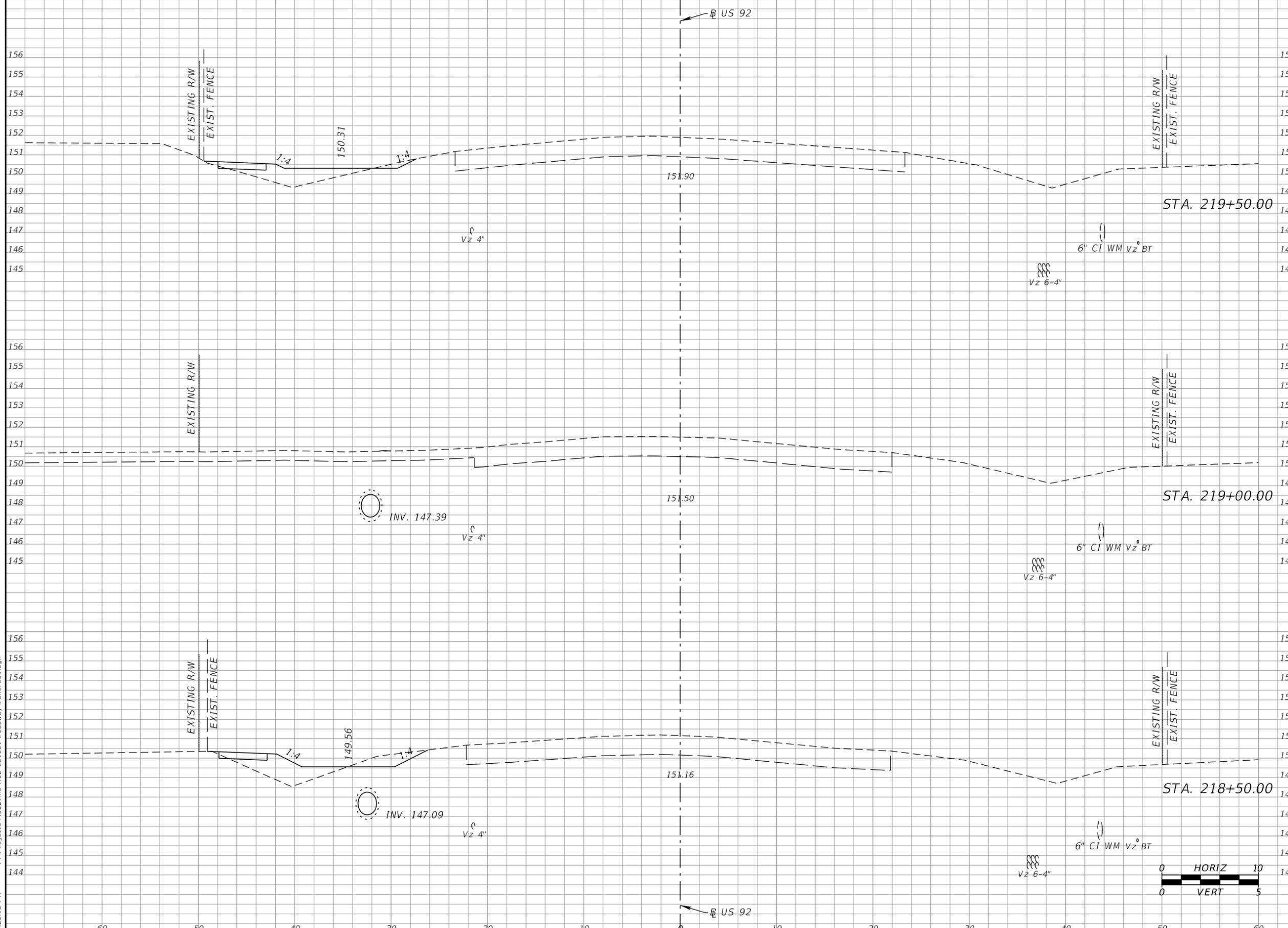
JORDAN L. CAVIGGIA
P.E. LICENSE NO. 68253
JMT, INC.
2000 EAST 11TH AVENUE, SUITE 300
TAMPA, FLORIDA 33605-3830

DATE

SHEET NO.
17

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Regular		Exc.		Embankment	
A	V	A	V	A	V
0.7			1	7.8	7
0.0			3	0.0	7
3.1			9	8.0	10

REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

CROSS SECTIONS (3)

THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.

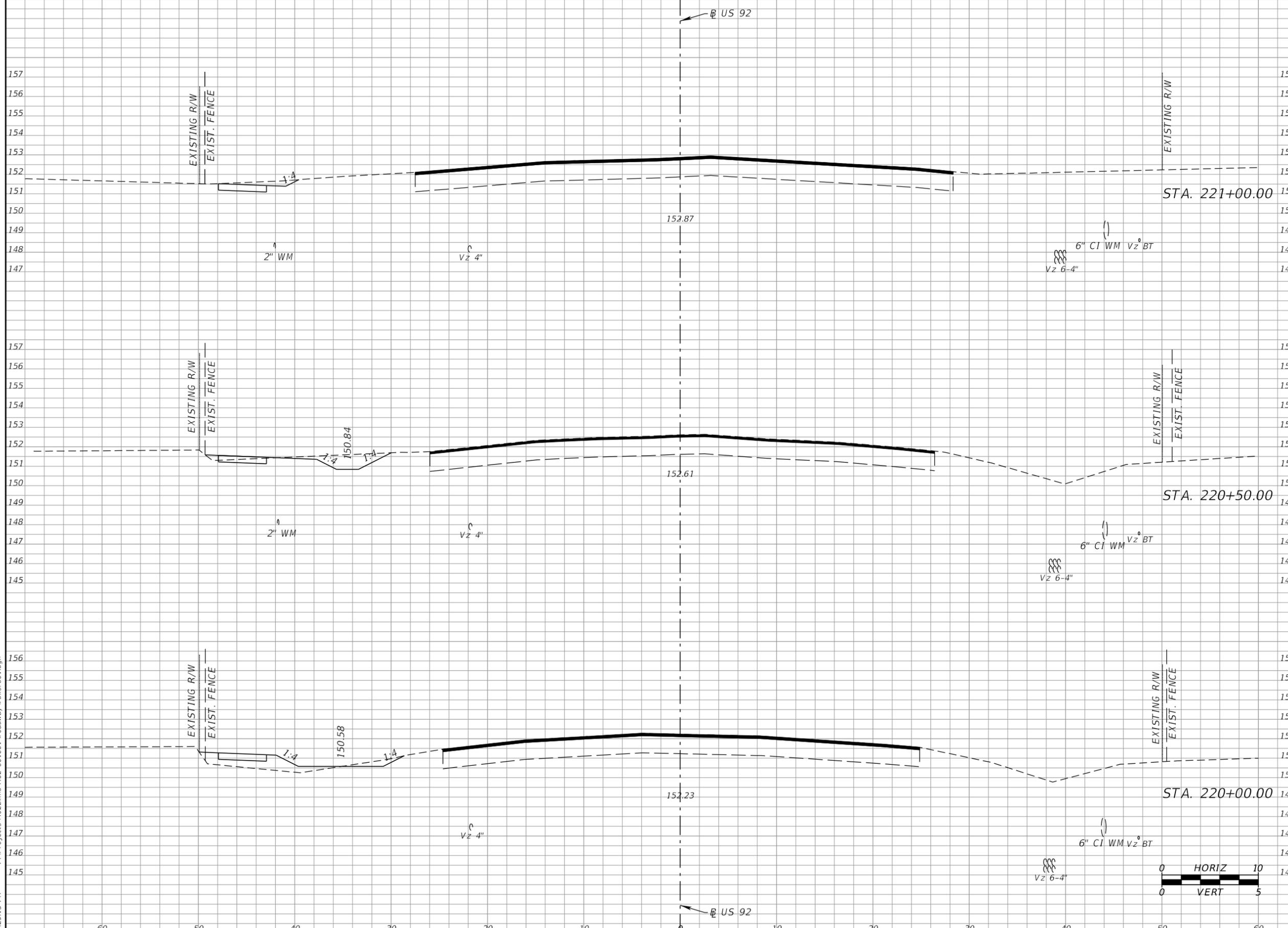
JORDAN L. CAVIGGIA
P.E. LICENSE NO. 68253
JMT, INC.
2000 EAST 11TH AVENUE, SUITE 300
TAMPA, FLORIDA 33605-3830

DATE

SHEET NO.
18

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Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
STA. 221+00.00	8.1				0.0	
STA. 220+50.00	5.9			13	1.0	1
STA. 220+00.00	1.0		6		5.5	6
			2			12



REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

CROSS SECTIONS (4)

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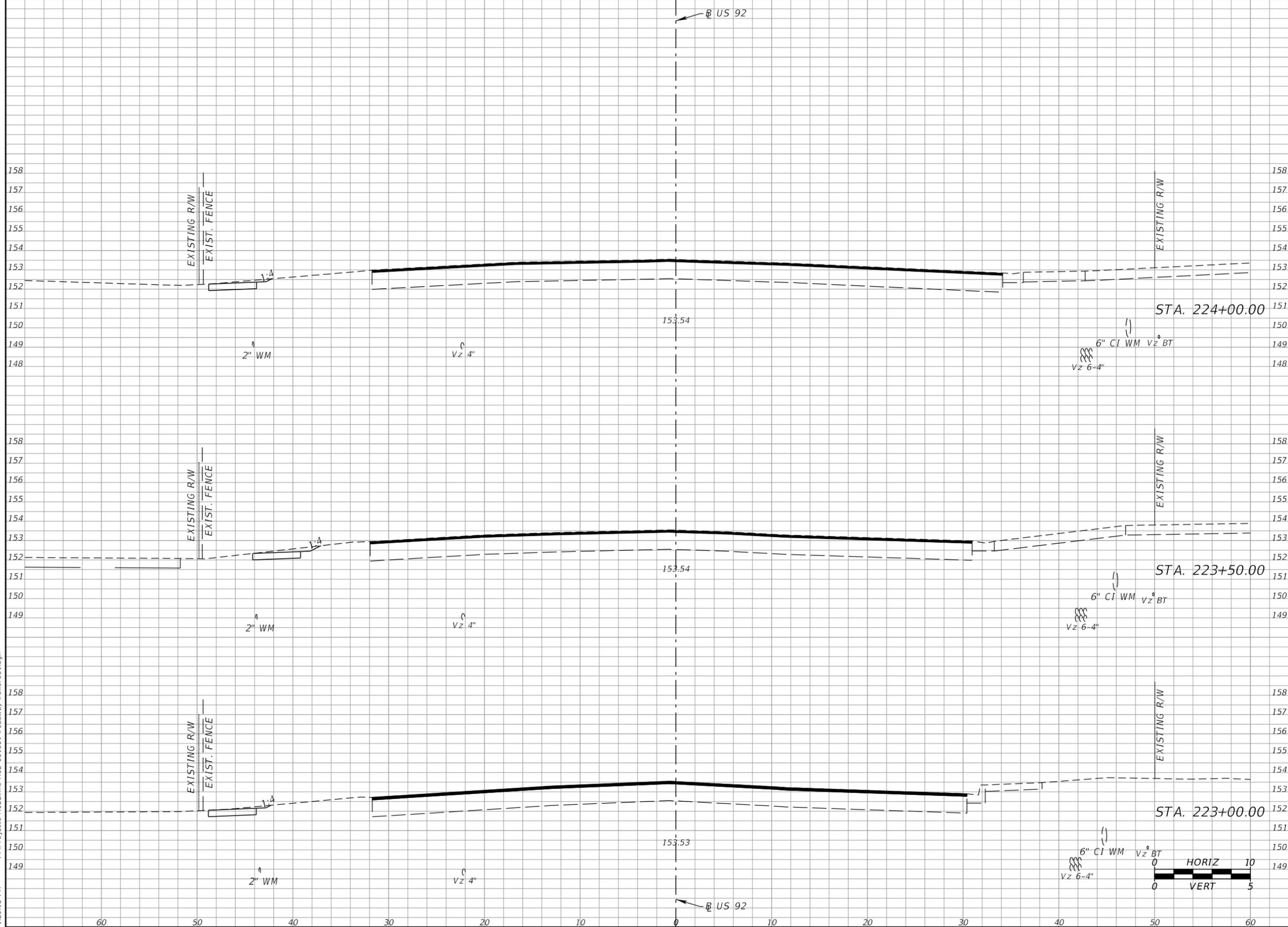
JORDAN L. CAVIGGIA
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JMT, INC.
2000 EAST 11TH AVENUE, SUITE 300
TAMPA, FLORIDA 33605-3830

DATE _____

SHEET NO.
19

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

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	Regular		Exc.		Embankment	
	A	V	A	V	A	V
1.4					0.2	
1.2			2		0.3	0
1.4			2		0.2	0
			3			0

REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

CROSS SECTIONS (6)

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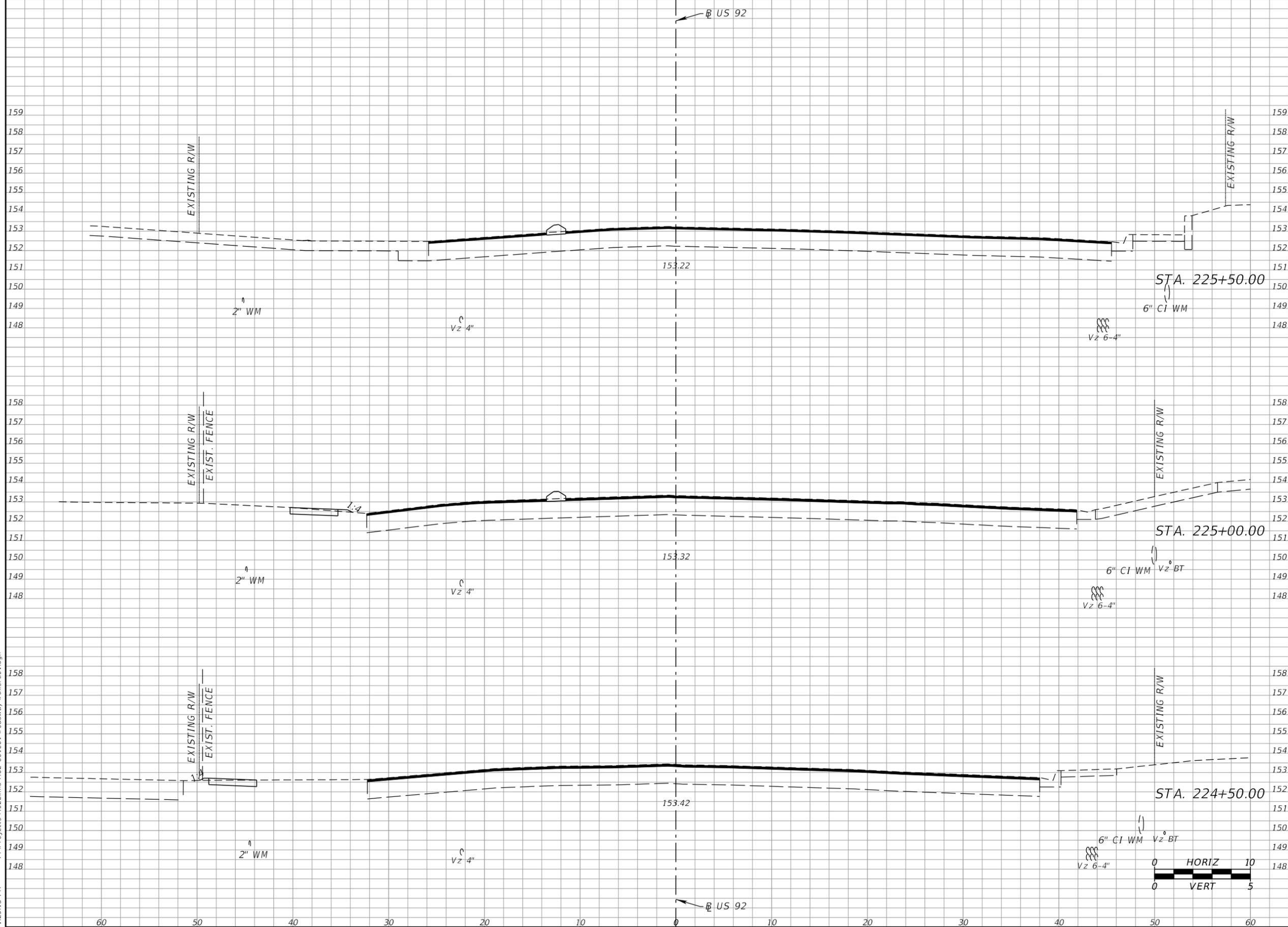
JORDAN L. CAVIGGIA
P.E. LICENSE NO. 68253
JMT, INC.
2000 EAST 11TH AVENUE, SUITE 300
TAMPA, FLORIDA 33605-3830

DATE _____

SHEET NO.
21

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Regular		Exc.		Embankment	
A	V	A	V	A	V
0.0				0.0	
1.4	1	0.1		0	
2.0	3	0.0		0	
	3			0	

REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

CROSS SECTIONS (7)

THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.

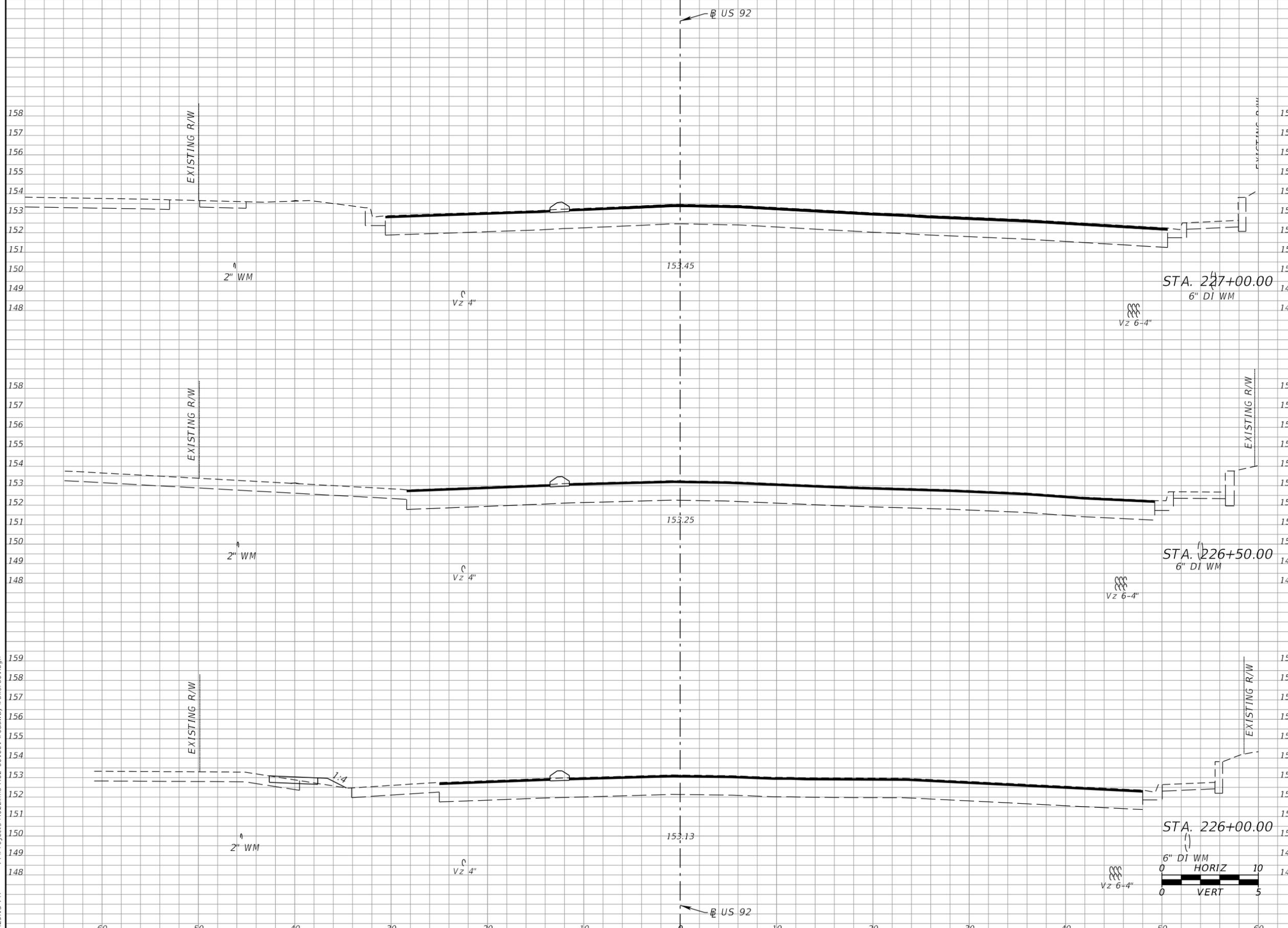
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22

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Regular		Exc.		Embankment	
A	V	A	V	A	V
0.0		0.0			
0.0	0	0.0		0	
1.0		0.7	1		1

REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

CROSS SECTIONS (8)

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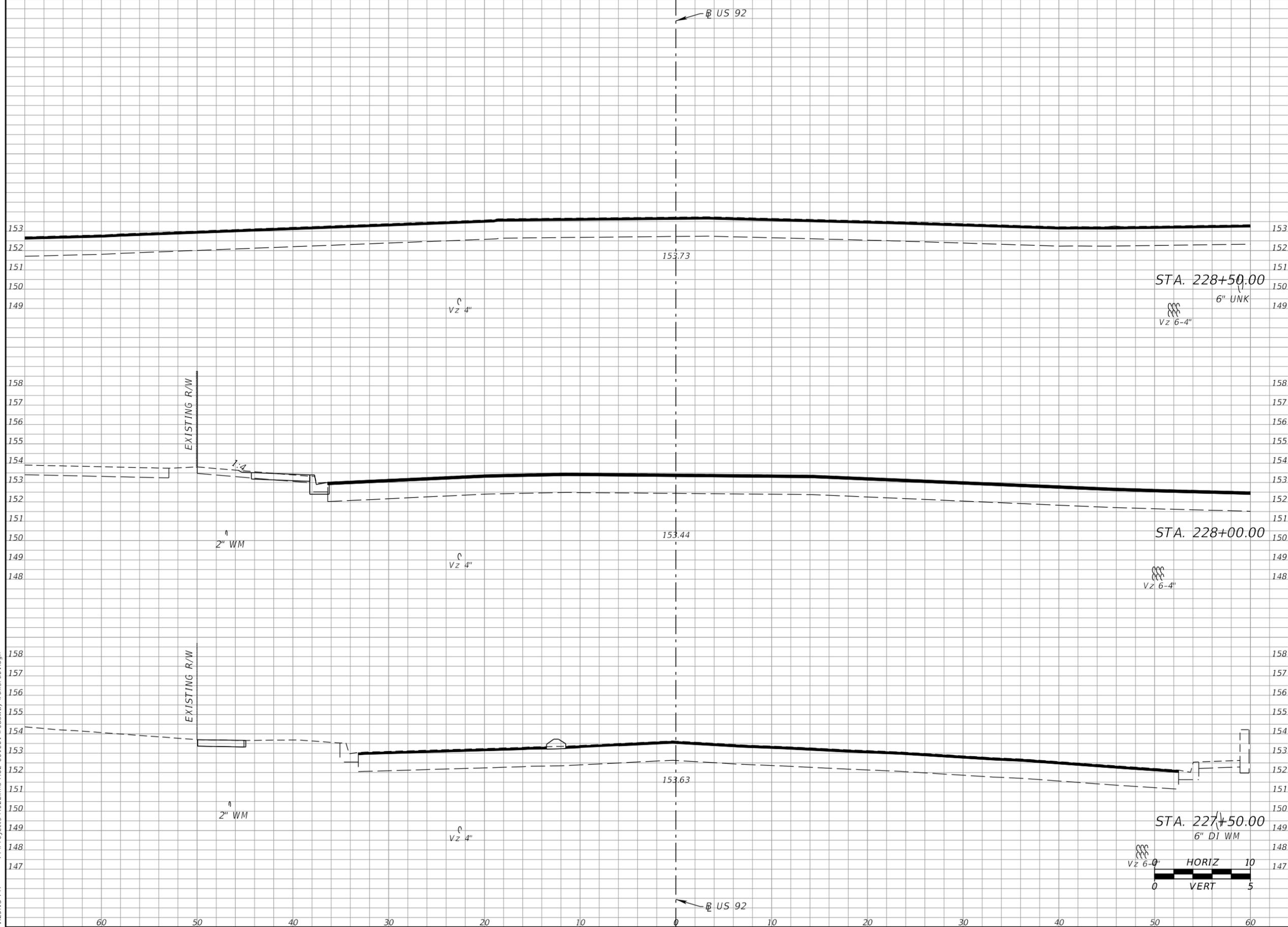
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23

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Regular		Exc.		Embankment	
A	V	A	V	A	V
0.0				0.0	
6.1	6			0.0	0
1.7	7			0.0	0
	2				0

REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

CROSS SECTIONS (9)

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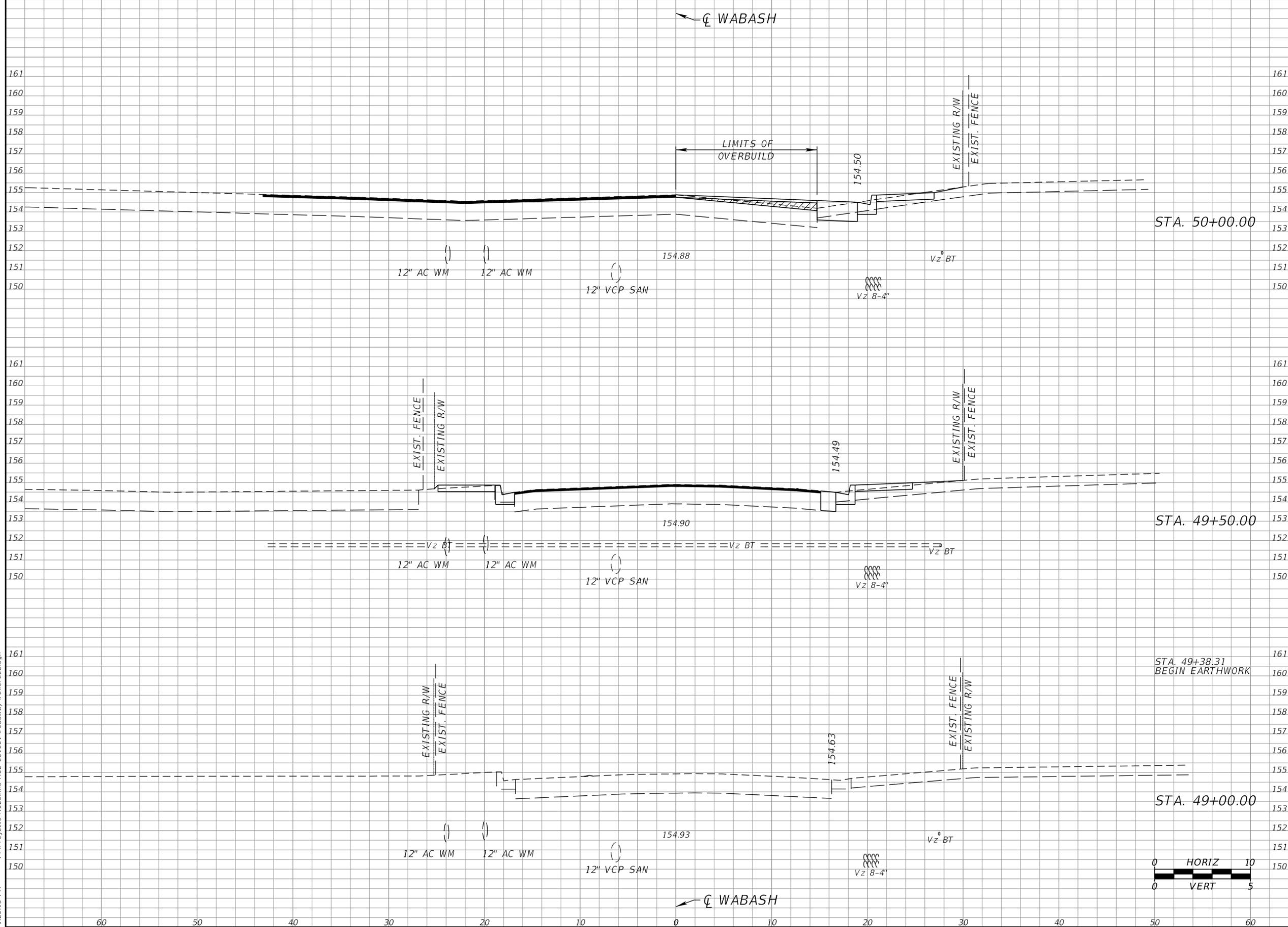
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DATE _____

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24

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Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
50+00.00	6.8				1.4	
49+50.00	6.5				0.4	
49+00.00	0.0				0.0	
		12				2
		1				0



REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

CROSS SECTIONS (11)

THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.

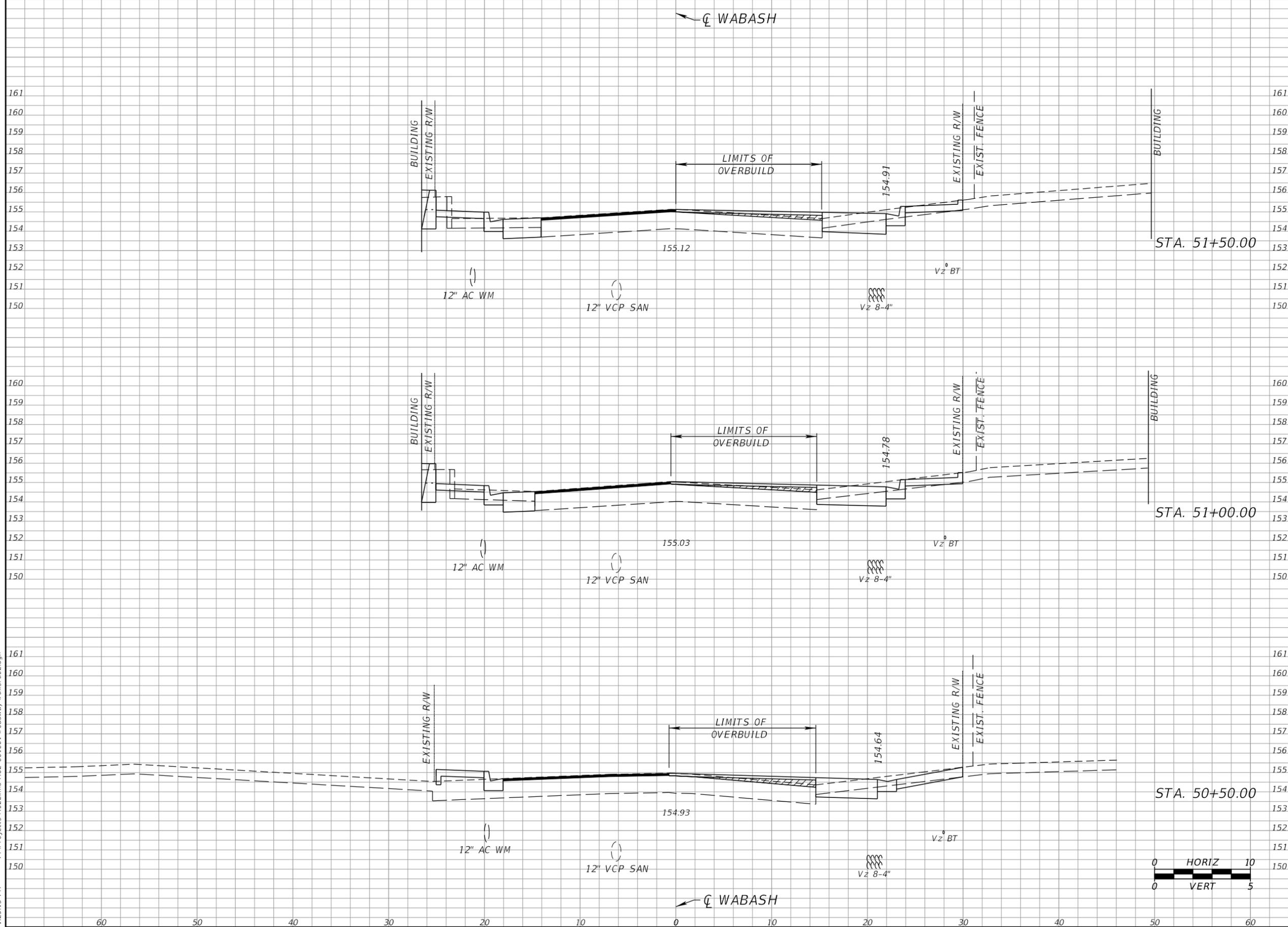
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Regular		Exc.		Embankment	
A	V	A	V	A	V
24.7				0.1	
	46				0
25.4				0.0	
	37				1
14.2				0.8	
	19				2



REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

CROSS SECTIONS (12)

THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.

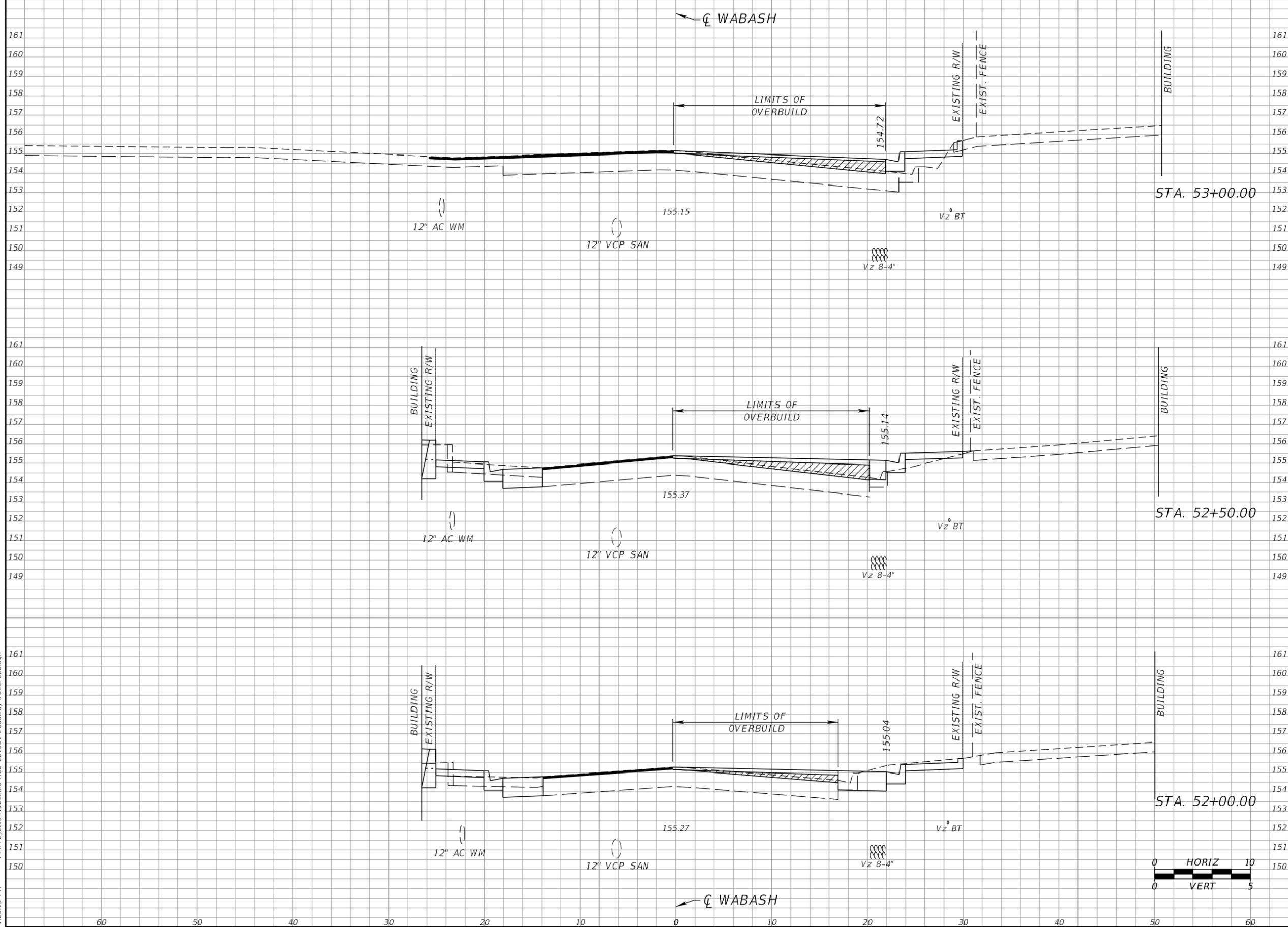
JORDAN L. CAVIGGIA
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TAMPA, FLORIDA 33605-3830

DATE

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	Regular		Exc.		Embankment	
	A	V	A	V	A	V
STA. 53+00.00	1.3		6.6			
STA. 52+50.00	12.6		0.4			
STA. 52+00.00	19.6		0.0			
		13		6		
		30		0		
		41		0		



REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

CROSS SECTIONS (13)

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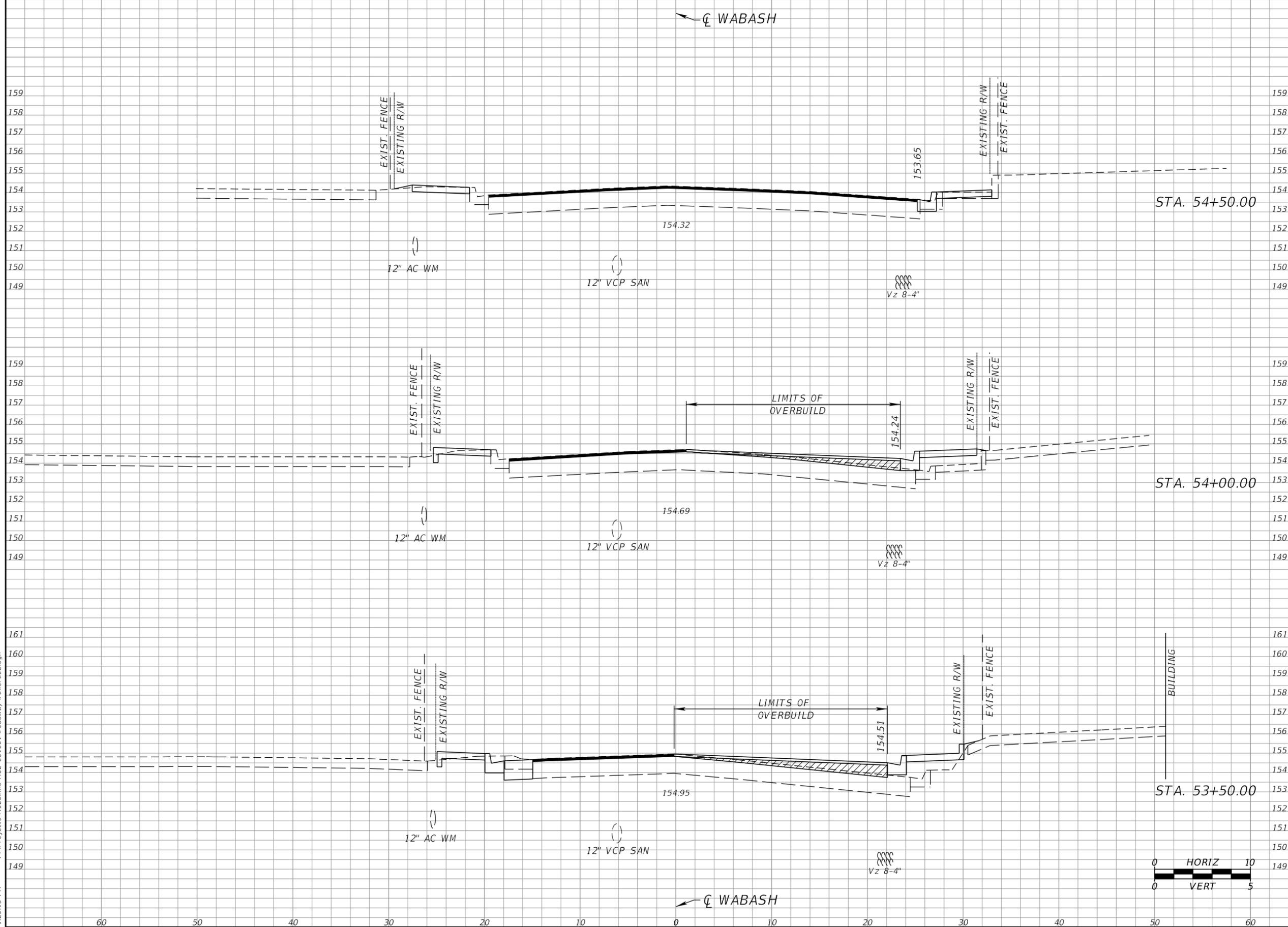
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TAMPA, FLORIDA 33605-3830

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Regular		Exc.		Embankment	
A	V	A	V	A	V
4.5			0.1		
2.1			6	5.5	5
5.8			7	0.2	5
			7		6



REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

CROSS SECTIONS (14)

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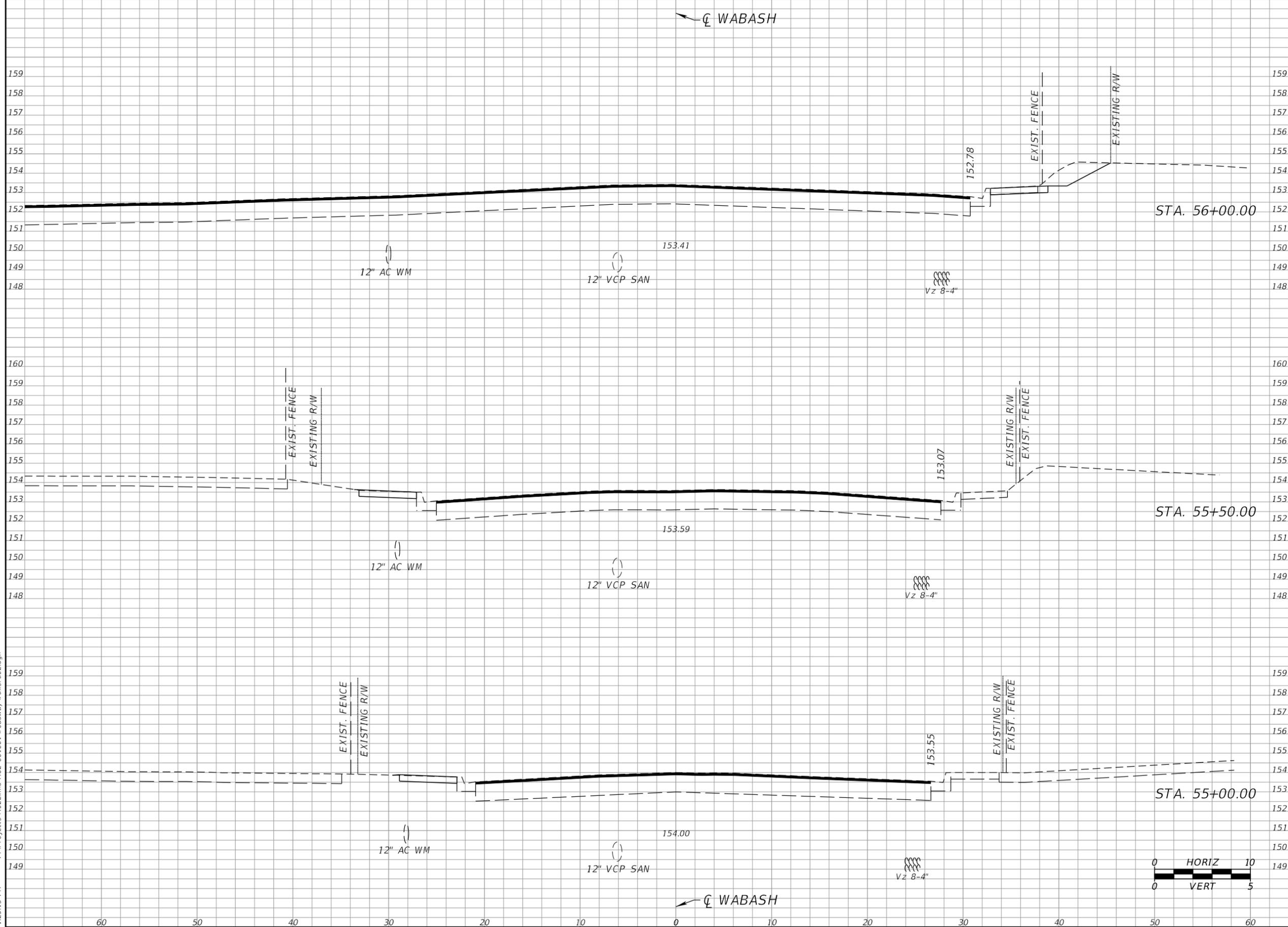
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DATE

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29

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Regular		Exc.		Embankment	
A	V	A	V	A	V
6.5			8	0.0	0
1.9			4	0.0	0
1.9			6	0.0	0



REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

CROSS SECTIONS (15)

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Regular	Exc.	Embankment	
		A	V
0.0	0	0.0	0
3.0	12	0.0	0
9.5	9	0.0	0
0.0	6	0.0	0



REVISIONS		
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CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

CROSS SECTIONS (16)

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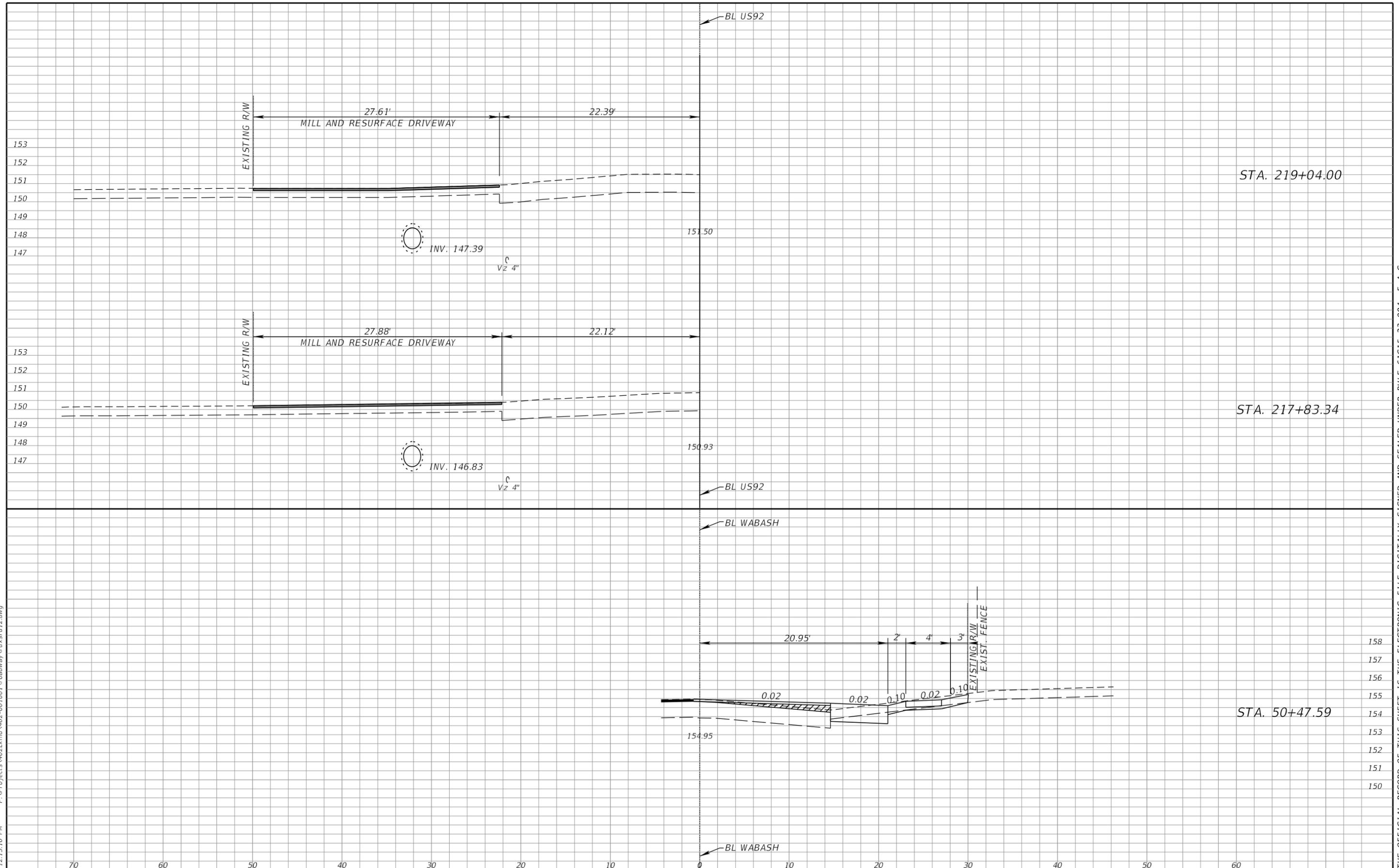
DATE _____

SHEET
NO.
31

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REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

DRIVEWAY HALF SECTIONS

THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.

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JMT, INC.
2000 EAST 11TH AVENUE, SUITE 300
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DATE _____

SHEET NO.
32

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

1. THE EXISTING POSTED SPEED SHALL BE MAINTAINED UNLESS OTHERWISE INDICATED IN THE PLANS. THE POSTED SPEED LIMIT IS 45 MPH FOR US 92 AND 30 MPH FOR WABASH AVE.
2. A LANE MAY BE CLOSED ONLY DURING ACTIVE WORK PERIOD. LANE CLOSURE RESTRICTIONS ARE AS FOLLOWS:
 US 92 OPEN ROAD:
 SINGLE LANE CLOSURES WILL BE PERMITTED BETWEEN THE HOURS OF 7:00AM AND 9:00AM OR 4:00PM AND 7:30PM.

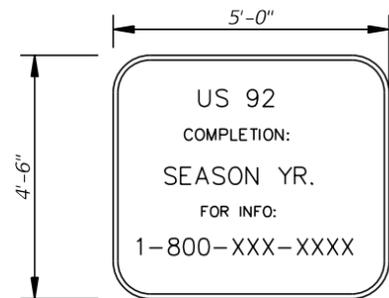
 US 92 THROUGH OR WITHIN 600 FEET OF THE INTERSECTION:
 SINGLE LANE CLOSURES IN EACH DIRECTION WILL BE PERMITTED DURING THE HOURS OF 7:30PM TO 7:00AM.

 WABASH AVENUE THROUGH OR WITHIN 600 FEET OF THE INTERSECTION:
 SINGLE LANE CLOSURES IN EACH DIRECTION WILL BE PERMITTED DURING THE HOURS OF 7:00PM TO 6:30AM
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, FDOT, AND THE CITY OF LAKE LAND TRAFFIC OPERATIONS MANAGER A MINIMUM OF 7 DAYS IN ADVANCE OF ANY LANE CLOSURES.
4. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A WRITTEN PLAN THAT DETAILS EACH ACTIVITY INVOLVED IN THE LANE CLOSURE. THE PLAN SHALL INCLUDE BACK-UP PLANS FOR ACTIVITIES OF ALL SUBCONTRACTOR'S OPERATIONS AS WELL AS THE PRIME CONTRACTOR'S. NO LANE CLOSURES WILL BE ALLOWED WITHOUT A PLAN TO ACHIEVE RE-OPENING.
5. ALL TRAFFIC CONTROL SHALL ADHERE TO STANDARD INDEX NOS. 600, 603, 605, 611, 612, 613, 615, 616, AND 619. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS DURING CONSTRUCTION AND SHALL ENSURE THAT PEDESTRIANS HAVE A SAFE AND UNOBSTRUCTED ROUTE. ALL PEDESTRIAN CONTROL SHALL ADHERE TO INDEX 660. RELOCATED SIDEWALKS WILL NOT BE REMOVED UNTIL NEW SECTION HAVE BEEN CONSTRUCTED.
6. TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON SIDE STREETS AND DRIVEWAYS.
7. THE CONTRACTOR SHALL RESTORE SIDE STREETS AND DRIVEWAYS TO TRAFFIC IN BOTH DIRECTIONS FOR EACH LOCATION BY THE END OF THE WORK PERIOD. IF THIS WORK CANNOT BE COMPLETED, THE CONTRACTOR SHALL BACKFILL SIDE STREETS AND DRIVEWAYS TO LEVEL WITH RAP MATERIAL BEFORE RE-OPENING TO TRAFFIC.
8. PLACE PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (PCMS) 500 FEET IN ADVANCE OF THE WORK ZONE FOR A PERIOD OF SEVEN DAYS PRIOR TO THE FIRST DAY OF ROADWAY CONSTRUCTION.

MESSAGES SHOULD READ:



AFTER THE INITIAL SEVEN DAYS, THE PCMS SHALL READ (DURING LIGHTED HOURS):



PROJECT INFORMATION SIGN

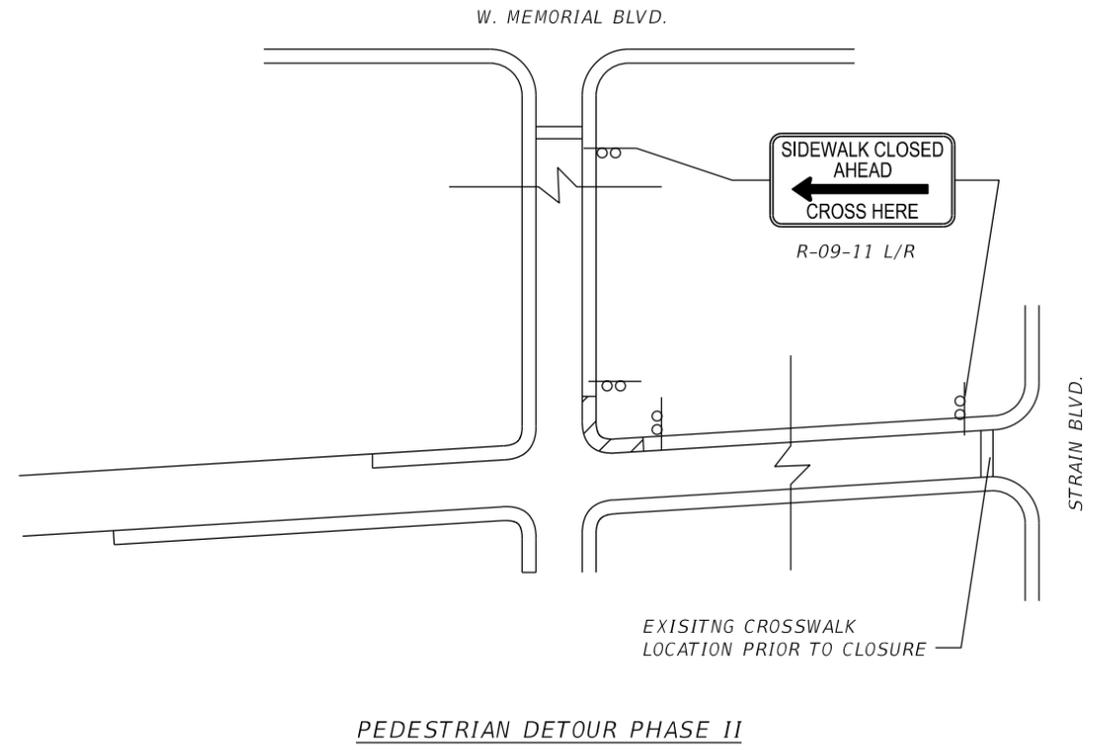
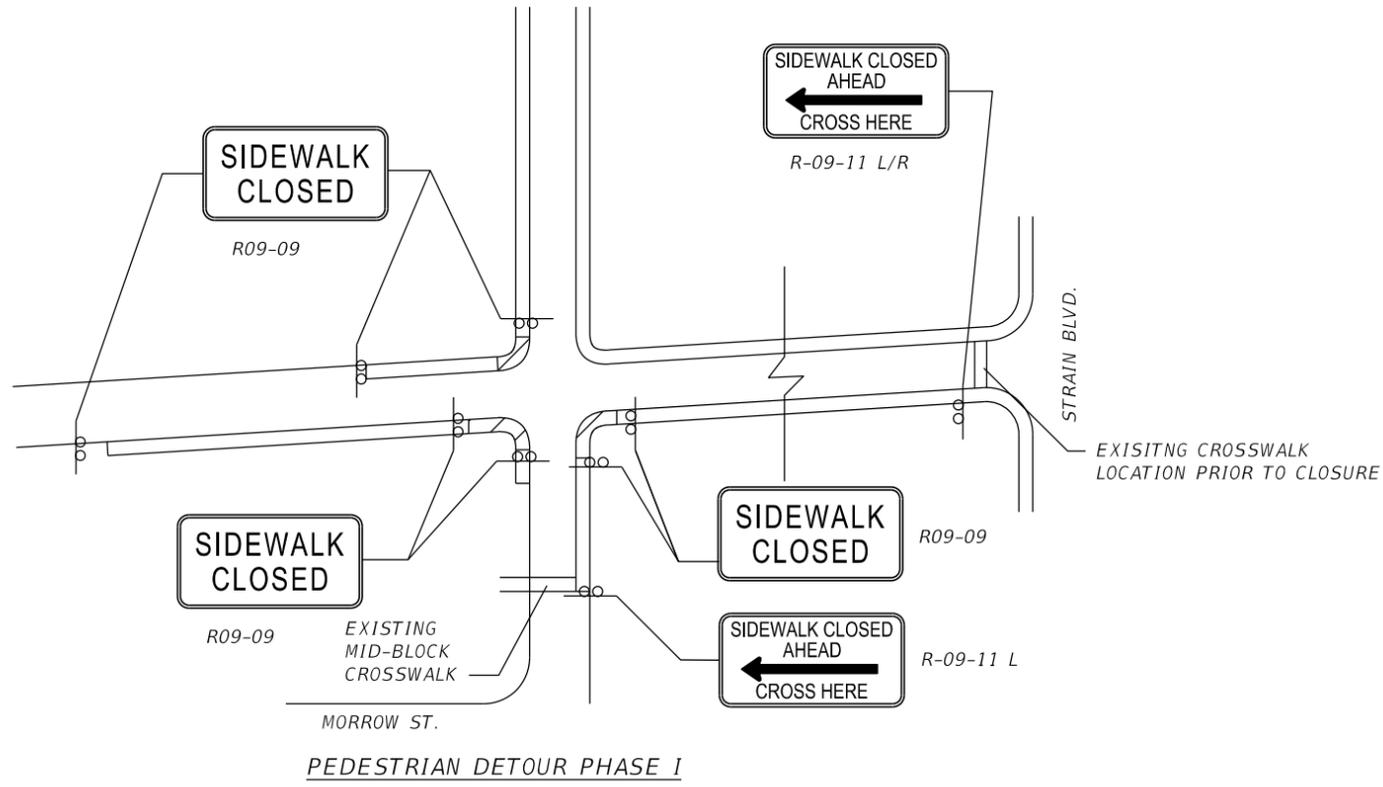
SEE STANDARD INDEX 600, SHEET 6 FOR DETAILS

9. MAINTENANCE OF TRAFFIC SIGN LOCATIONS SHOWN IN INDEXES MAY BE VARIED AS DEEMED NECESSARY BY THE ENGINEER TO AVOID STREETS, DRIVEWAYS, OR OTHER CONFLICTS. MINIMUM SIGNING DISTANCES WILL BE MAINTAINED DURING CONSTRUCTION. EXISTING SIGNING THAT CONFLICTS WITH TCP SIGNING SHALL BE REMOVED OR COVERED DURING CONSTRUCTION. IF REMOVED, THE EXISTING SIGNING WILL BE REPLACED WHEN THE TCP SIGNING IS REMOVED.
10. MAINTENANCE OF TRAFFIC SHALL INCLUDE RESETTING ANY EXISTING SIGN TO REMAIN THAT IS DISTURBED DURING CONSTRUCTION. ALL SIGNS SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET, AND METHOD OF INSTALLATION.
11. DROP-OFF CONDITIONS MUST BE ELIMINATED AND AN ACCEPTABLE GRADE RESTORED AS OUTLINED IN THE FDOT DESIGN STANDARDS, INDEX 600 SERIES, BY THE END OF EACH WORK PERIOD.
12. THE CONTRACTOR SHALL NOT USE LOW PROFILE REFLECTIVE MARKERS.
13. THE CONTRACTOR SHALL, AT THE DISCRETION OF THE ENGINEER, OPEN ANY TEMPORARY LANE CLOSURE CAUSING EXTENDED TRAFFIC CONGESTION (5 MINUTE DELAY) UNTIL TRAFFIC HAS RETURNED TO AN ACCEPTABLE FLOW AS DETERMINED BY THE ENGINEER.
14. CONFLICTING EXISTING PAVEMENT MARKINGS SHALL BE REMOVED UNLESS OTHERWISE NOTED IN THE PLANS. ALL EXISTING PAVEMENT MARKINGS THAT ARE ALTERED OR REMOVED SHALL BE REPLACED UPON COMPLETION OF THE PROJECT. ALL COSTS FOR ALTERATIONS, REMOVAL, AND REPLACEMENT ARE INCIDENTAL TO THE WORK BEING PERFORMED.
15. THE CONTRACTOR SHALL MAINTAIN STREET NAME SIGNS VISIBLE DURING CONSTRUCTION OPERATIONS IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.
16. THE CONTRACTOR SHALL NOT CLOSE ANY TWO CONSECUTIVE SIDE STREETS OR MEDIAN OPENINGS IN ANY GIVEN PHASE.
17. WHEN SIGNALS ARE NOT IN USE, A UNIFORMED TRAFFIC CONTROL OFFICER SHALL BE UTILIZED FOR TRAFFIC CONTROL THROUGH THE SIGNALIZED INTERSECTION.
18. ALL LANES ON US 92 (NEW TAMPA HWY) MUST BE OPEN TO TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE ENGINEER.
19. THE CONTRACTOR SHALL PLACE THE PROJECT INFORMATION SIGN 500 FEET IN ADVANCE OF THE FIRST ADVANCE WARNING SIGN ON EACH MAINLINE APPROACH FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL OBTAIN THE CONTACT INFORMATION PHONE NUMBER FROM THE RESIDENT CONSTRUCTION OFFICE PRIOR TO OR AT THE PROJECT PRECONSTRUCTION CONFERENCE MEETING.
20. THE CONTRACTOR SHALL MAINTAIN DETECTION AT SIGNALIZED INTERSECTIONS AND PROVIDE TEMPORARY VEHICLE DETECTION AS NEEDED.

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REVISIONS			CITY OF LAKE LAND			TRAFFIC CONTROL PLAN GENERAL NOTES	THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.	JORDAN L. CAVIGGIA P.E. LICENSE NO. 68253 JMT, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	SHEET NO.
DATE / TIME	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
			US 92	POLK	429813-1-58-01				



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CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

TRAFFIC CONTROL PLAN DETAILS

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JORDAN L. CAVIGGIA P.E. LICENSE NO. 68253 JMT, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	DATE
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SHEET NO.
34

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SUMMARY OF VERIFIED UTILITIES

V _{vh} #	UTILITY DESCRIPTION (Owner, type)	SIZE	MATERIALS	⌀ and/or Ⓞ			EXISTING GROUND ELEVATION	TOP ELEVATION	COMMENTS
				STATION	OFFSET	LT/RT			
US 92									
SIGNAL FOUNDATION CLEARINGS									
1-1-1	EXPLORATORY - CLEARED TO 10'	N/A	N/A	227+71.65	72.49	RT	154.93	N/A	
1-1-2	CITY OF LAKELAND, WATER LINE	6"	DIP	227+71.62	69.94	RT	154.71	151.31	
1-1-3	EXPLORATORY - CLEARED TO 10'	N/A	N/A	227+73.69	67.39	RT	154.49	N/A	
1-1-4	CITY OF LAKELAND, WATER LINE	6"	DIP	227+77.86	73.83	RT	154.72	151.22	
1-1-5	EXPLORATORY - CLEARED TO 10'	N/A	N/A	227+69.07	76.56	RT	154.62	N/A	
1-1-6	CITY OF LAKELAND, WATER LINE	6"	DIP	227+66.60	68.51	RT	154.83	151.36	
1-2-1	EXPLORATORY - CLEARED TO 10'	N/A	N/A	227+73.63	-42.21	LT	153.98	N/A	
1-2-2	EXPLORATORY - CLEARED TO 10'	N/A	N/A	227+73.93	-37.09	LT	153.86	N/A	
1-2-3	EXPLORATORY - CLEARED TO 10'	N/A	N/A	227+68.31	-41.69	LT	153.96	N/A	
1-2-4	EXPLORATORY - CLEARED TO 10'	N/A	N/A	227+73.50	-47.49	LT	153.76	N/A	
1-2-5	TECO, GAS LINE	2"	STL	227+73.51	-49.42	LT	153.79	151.33	
1-2-6	PRIVATELY OWNED, STREET LIGHTING	1 1/2"	STL	227+73.92	-52.45	LT	153.81	153.08	
1-2-7	EXPLORATORY - CLEARED TO 10'	N/A	N/A	227+79.37	-41.73	LT	153.98	N/A	
1-3-1	EXPLORATORY - CLEARED TO 10'	N/A	N/A	229+42.44	-38.41	LT	153.79	N/A	
1-3-2	CITY OF LAKELAND, WATER LINE	6"	DIP	229+37.82	-37.67	LT	153.62	150.62	Water line pinned on north edge.
1-3-3	EXPLORATORY - CLEARED TO 10'	N/A	N/A	229+38.60	-41.34	LT	153.70	N/A	Cleared to 10' east side of mark, existing mast arm foundation pinned on east edge.
1-3-4	EXPLORATORY - CLEARED TO 10'	N/A	N/A	229+45.35	-42.20	LT	154.21	N/A	
1-3-5	CITY OF LAKELAND, WATER LINE	6"	CI	229+44.37	-33.41	LT	153.61	150.84	Water line pinned on north edge.
1-4-1	EXPLORATORY - CLEARED TO 10'	N/A	N/A	229+16.21	60.40	RT	154.25	N/A	
1-4-2	CITY OF LAKELAND, TRAFFIC SIGNAL	4-2"	PVC	229+15.34	58.33	RT	153.79	151.99	
1-4-3	EXPLORATORY - CLEARED TO 10'	N/A	N/A	229+13.90	56.14	RT	153.43	N/A	
1-4-4	EXPLORATORY - CLEARED TO 10'	N/A	N/A	229+20.92	57.61	RT	154.23	N/A	
1-4-5	EXPLORATORY - CLEARED TO 10'	N/A	N/A	229+17.53	63.09	RT	154.59	N/A	
1-4-6	EXPLORATORY - CLEARED TO 10'	N/A	N/A	229+11.19	63.07	RT	154.14	N/A	
DRAINAGE STRUCTURE CLEARINGS									
1-7	CITY OF LAKELAND, WATER LINE	2 1/2"	STL	217+39.01	-36.21	LT	148.21	145.60	
1-8	FRONTIER, BURIED TELEPHONE	1/2"	DBC	217+36.08	-36.76	LT	148.06	146.50	
SOUTH WABASH AVENUE									
DRAINAGE STRUCTURE CLEARINGS									
1-1	FRONTIER, BURIED TELEPHONE	4"	PVC	49+99.70	23.56	RT	154.87	151.45	
1-2	FRONTIER, BURIED TELEPHONE	4"	PVC	49+99.63	24.15	RT	154.95	151.49	
1-3	CITY OF LAKELAND, WATER LINE	12"	AC	50+31.82	-19.89	LT	154.52	152.34	
1-4	TECO, GAS LINE	4"	STL	50+32.00	-23.10	LT	154.62	153.11	
1-5	TECO, GAS LINE	4"	STL	52+76.30	-18.46	LT	155.04	153.25	
1-6	CITY OF LAKELAND, WATER LINE	7"	AC	52+77.79	-22.81	LT	155.31	150.31	

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REVISIONS DATE / TIME BY DESCRIPTION			CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS			SUMMARY OF VERIFIED UTILITIES	THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.	ADAM BERRY PROFESSIONAL SURVEYOR AND MAPPER LS 7117 ECHO UES, INC. 16514 N DALE MABRY HIGHWAY TAMPA, FLORIDA 33618	DATE _____	SHEET NO. 35
			ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
			US 92	POLK	429813-1-58-01					

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
			S-2		S-3		S-4		S-5		S-6																
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL					
0700 1 11	SINGLE POST SIGN, F&I, GROUND MOUNDM, <12 SF	AS	2		5		7		2		2											18		18			
0700 1 50	SINGLE POST SIGN, RELOCATE	AS	1				1		2		1											5		5			
0700 1 60	SINGLE POST SIGN, REMOVE	AS			3		2															5		5			
0705 11 3	DELINEATOR, FLEX, HIGH VISIBILITY, MEDIAN YELLOW/YELLOW	EA					2															2		2			
0710 11 290	PAINTED PAVEMENT MARKINGS, STD, YELLOW, ISLAND NOSE	SF					16															16		16			
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS																				1		1			
*	RETRO-REFLECTIVE PAVEMENT MARKERS																										
*	WHITE/RED	EA					29															343		343			
*	YELLOW/YELLOW	EA					140			20																	
*	PAINT, STD, WHITE, SOLID 6"	GM					0.159		0.418		0.019											0.878		0.878			
*	PAINT, STD, WHITE, SOLID FOR URBAN ISLAND, 8"	GM					0.097															0.107		0.107			
*	PAINT, STD, WHITE, 12", SOLID FOR CROSSWALK	LF	186.3		155.4		827.1		67.8		82.9											1320		1320			
*	PAINT, STD, WHITE, 18", SOLID FOR DIAGONAL	LF			170						42.7											213		213			
*	PAINT, STD, WHITE, 24", SOLID FOR STOP LINE	LF	16.4						126.0		14.1											157		157			
*	PAINT, STD, WHITE, SKIP 6", 10'-30' SKIP	GM					0.037				0.006											0.043		0.043			
*	PAINT, STD, WHITE, DOTTED GUIDE LINE, 6"	GM			0.067				0.006													0.073		0.073			
*	PAINT, STD, WHITE, MESSAGE OR SYMBOL																										
*	R X R CROSSING	EA							2													2		2			
*	ONLY	EA					2															2		2			
*	LEFT ARROW	EA			8		7				4											19		19			
*	RIGHT ARROW	EA					5															5		5			
*	THRU RIGHT AROW	EA					1				3											4		4			
*	PAINT, STD, YELLOW, SOLID 6"	GM			0.308		0.148		0.021		0.182											0.659		0.659			
*	PAINT, STD, YELLOW, 18", SOLID FOR DIAGONAL	LF			227.0		0															227		227			
*	PAINT, STD, YELLOW, SKIP 6", SKIP	GM			0.076				0.049													0.125		0.125			
*	PAINT, STD, YELLOW, DOTTED SKIP 6"	GM			0.022																	0.022		0.022			
0711 11 123	THERMOPLASTIC, STD, WHITE, SOLID, 12" FOR CROSSWALK	LF	186.3		155.4		827.1		67.8		82.9											1320		1320			
0711 11 124	THERMOPLASTIC, STD, WHITE, SOLID, 18"	LF			170.0						42.7											213		213			
0711 11 125	THERMOPLASTIC, STD, WHITE, SOLID, 24"	LF	16.4				171.6		56.0		14.1											258		258			
0711 11 141	THERMOPLASTIC, STD, WHITE, DOTTED SKIP GUIDELINE, 6"	GM			0.067		0.103		0.006													0.176		0.176			
0711 11 160	THERMOPLASTIC, STD, WHITE, MESSAGE																										
	R X R CROSSING	EA							2													4		4			
	ONLY	EA					2																				
0711 11 170	THERMOPLASTIC, STD, WHITE, ARROW																										
	LEFT	EA			8		7				4											28		28			
	RIGHT	EA					5																				
	THRU RIGHT	EA					1				3																
0711 11 224	THERMOPLASTIC, STD, YELLOW, SOLID 18"	LF			227.0				13.0		13.6											254		254			
0711 11 241	THERMOPLASTIC, STD, YELLOW, DOTTED SKIP GUIDELINE, 6"	GM			0.022		0.023															0.046		0.046			
0711 14 125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF					609.2		70.0													679		679			
0711 14 160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE																										
	BIKE LANE SYMBOL	EA					1															1		1			
0711 14 170	THERMOPLASTIC, PREFORMED, WHITE, ARROWS, BIKE THRU	EA					1															1		1			
0711 16 101	THERMOPLASTIC, STD-OTHER SURFACES, WHITE, SOLID, 6"	GM			0.159		0.418		0.019		0.282											0.878		0.878			
0711 16 102	THERMOPLASTIC, STD-OTHER SURFACES, WHITE, SOLID, 8"	GM			0.097						0.010											0.107		0.107			
0711 16 131	THERMOPLASTIC, STD-OTHER SURFACES, WHITE, 6", 10'-30' SKIP	GM					0.037				0.006											0.043		0.043			
0711 16 201	THERMOPLASTIC, STD-OTHER SURFACES, YELLOW, SOLID 6"	GM			0.308		0.148		0.021		0.182											0.659		0.659			
0711 16 231	THERMOPLASTIC, STD-OTHER SURFACES, YELLOW, SKIP 6"	GM			0.076				0.049													0.125		0.125			

* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE). LUMP SUM - ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION; SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

SIGNING AND PAVEMENT MARKING GENERAL NOTES:

- WHERE DOUBLE YELLOW IS CALLED FOR, ALL STOP SIGN CONTROLLED SIDE STREETS SHALL HAVE 100 FEET (100') OF DOUBLE YELLOW AND ALL SIGNAL CONTROLLED SIDE STREETS SHALL HAVE 200 FEET (200') OF DOUBLE YELLOW UNLESS OTHERWISE NOTED IN THE PLANS.
- ALL SIGNS MOUNTED OVER SIDEWALKS SHALL HAVE A VERTICAL CLEARANCE OF EIGHT FEET (8') STANDARD.
- UNLESS OTHERWISE NOTED ON PLAN SHEETS, ALL CROSSWALKS ACROSS MAJOR STREET SHALL BE TEN FEET (10') IN WIDTH AND ALL CROSSWALKS ACROSS SIDE STREET SHALL BE SIX FEET (6') IN WIDTH. MEASUREMENTS SHALL BE FROM INSIDE TO INSIDE OF 12" STRIPES.

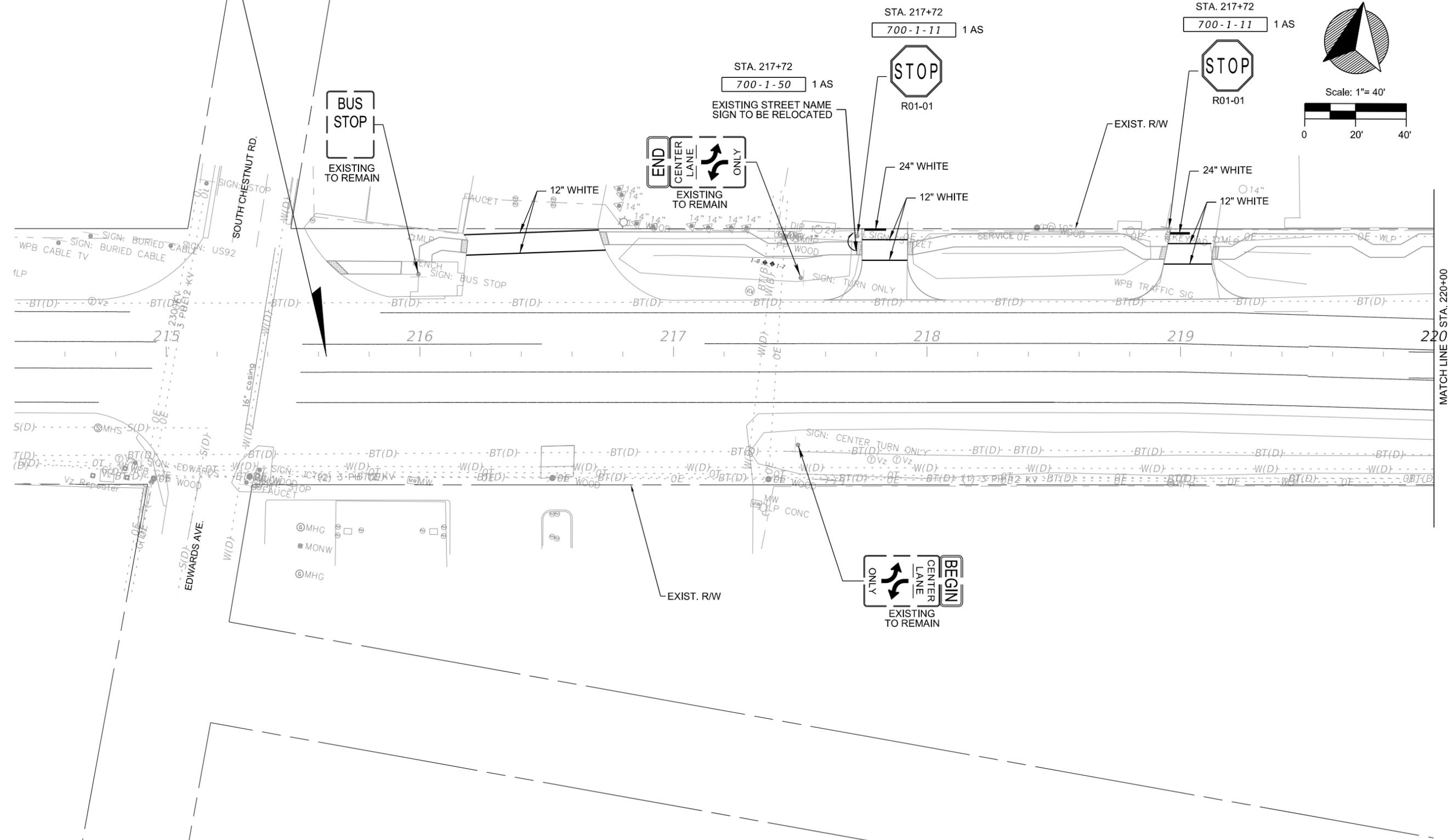
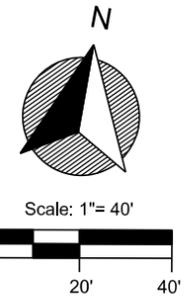
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REVISIONS DATE / TIME BY DESCRIPTION			CITY OF LAKE LAND DEPARTMENT OF PUBLIC WORKS			SIGNING & PAVEMENT MARKING TABULATION OF QUANTITIES & GENERAL NOTES			THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.			SERGIO CARLOS QUEVEDO P.E. LICENSE NO. 63084 JOHNSON, MIRMIRAN & THOMPSON, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830			SHEET NO.
			ROAD NO. COUNTY FINANCIAL PROJECT ID									DATE			S-1
			US 92 POLK 429813-1-58-01												

US 92 (NEW TAMPA HIGHWAY)

BEGIN CONSTRUCTION
STA. 215+63.15

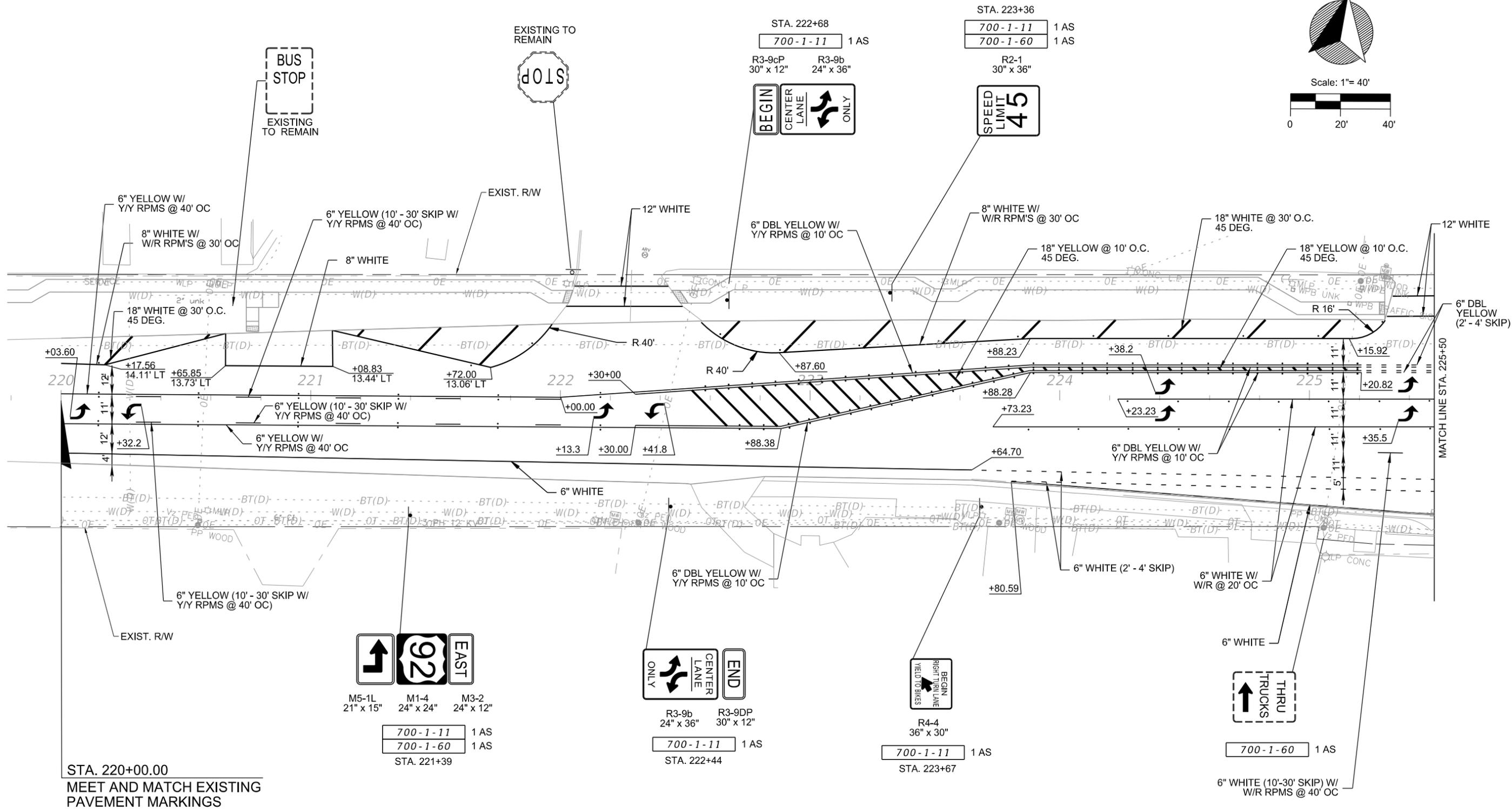
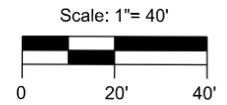


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REVISIONS			CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS			SIGNING AND PAVEMENT MARKING PLAN (1)	THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.	SERGIO CARLOS QUEVEDO P.E. LICENSE NO. 63084 JOHNSON, MIRMIRAN & THOMPSON, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	DATE	SHEET NO.
DATE / TIME	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
			US 92	POLK	429813-1-58-01					

US 92 (NEW TAMPA HIGHWAY)

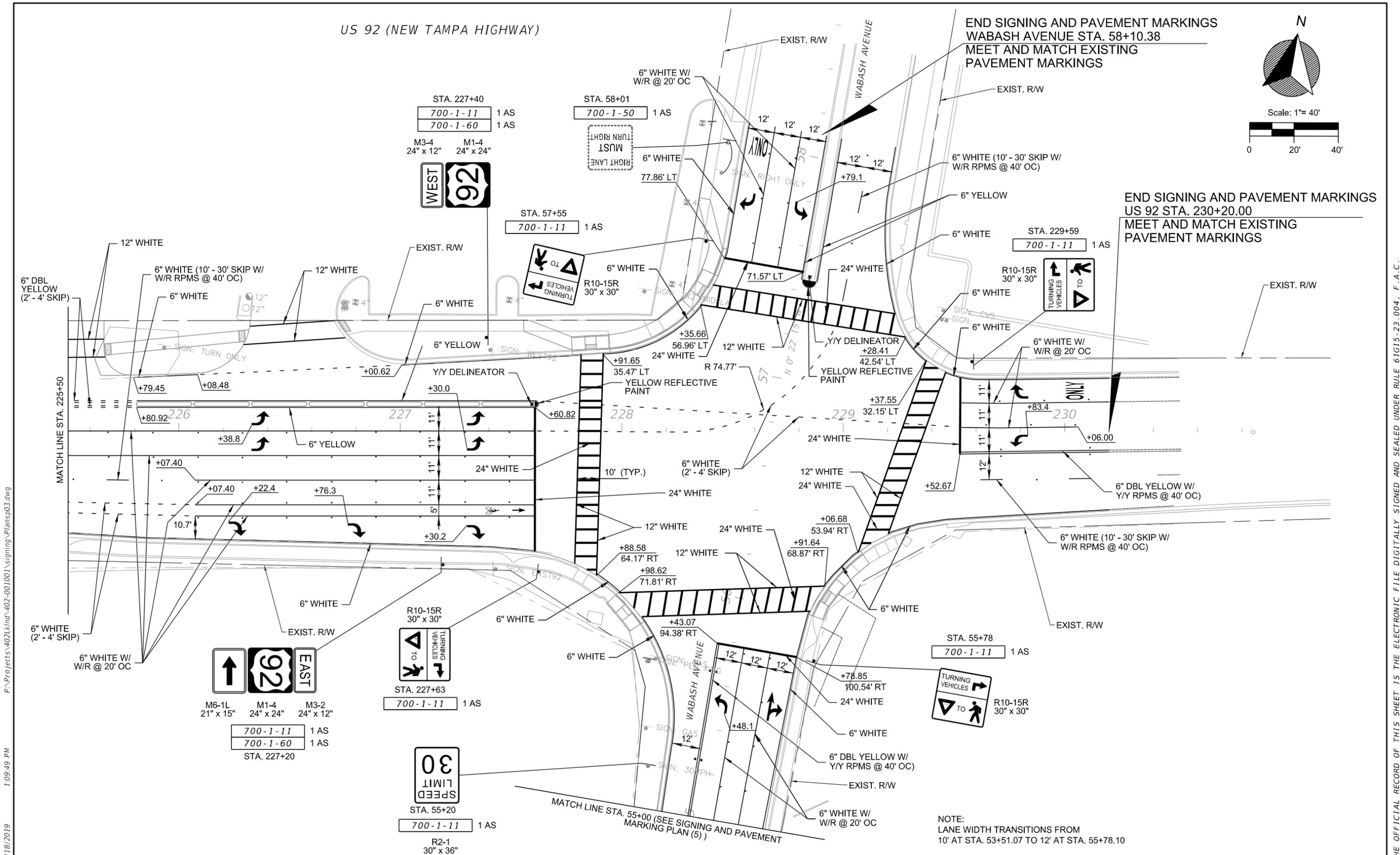
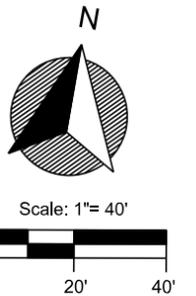


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REVISIONS			CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS			SIGNING AND PAVEMENT MARKING PLAN (2)	THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.	SERGIO CARLOS QUEVEDO P.E. LICENSE NO. 63084 JOHNSON, MIRMIRAN & THOMPSON, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	DATE	SHEET NO.
DATE / TIME	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
			US 92	POLK	429813-1-58-01					

US 92 (NEW TAMPA HIGHWAY)



NOTE:
LANE WIDTH TRANSITIONS FROM
10' AT STA. 53+51.07 TO 12' AT STA. 55+78.10

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REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

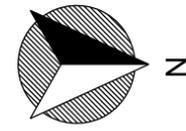
SIGNING AND PAVEMENT MARKING PLAN (3)

THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.

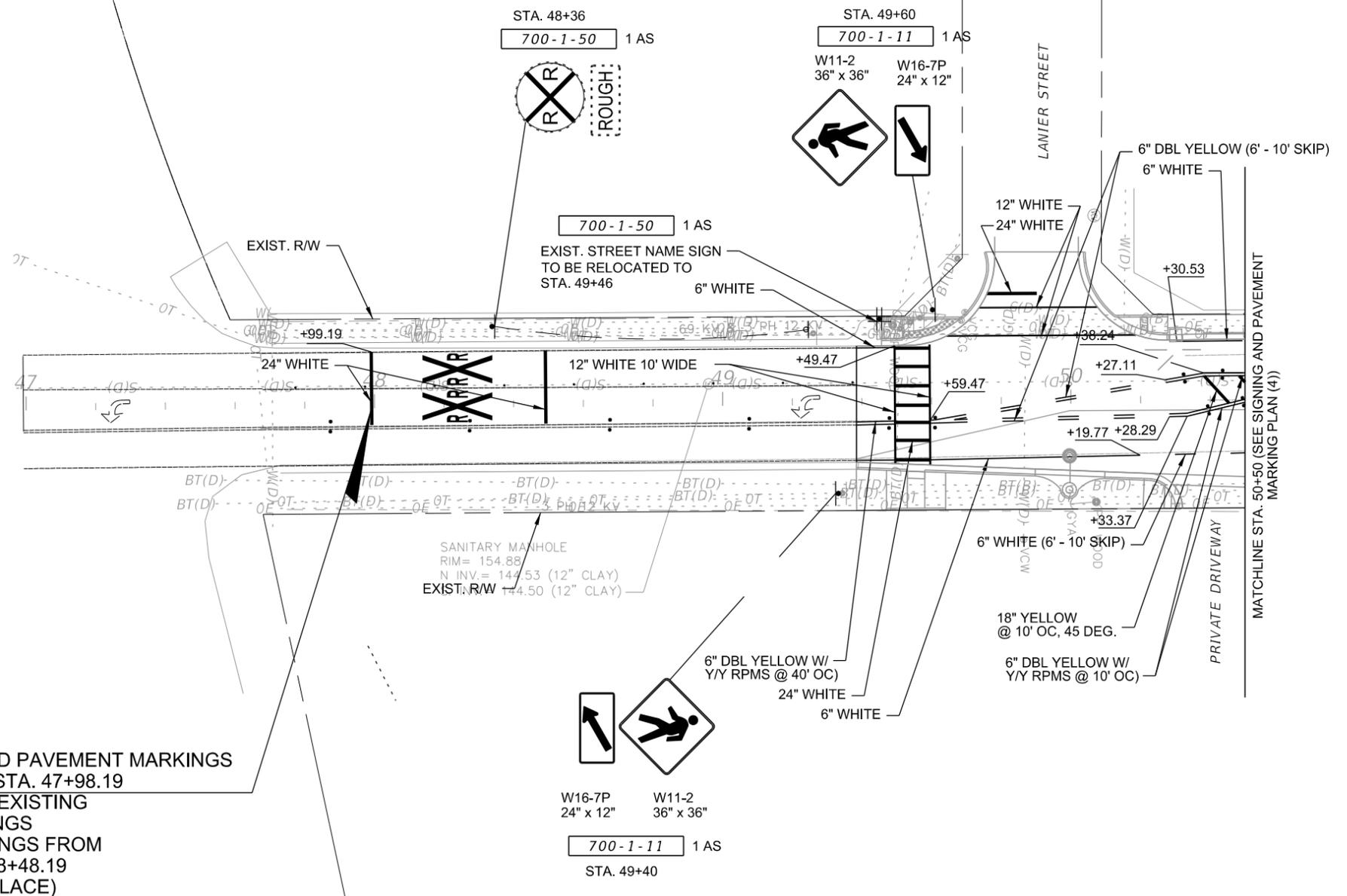
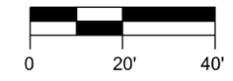
SERGIO CARLOS QUEVEDO
 P.E. LICENSE NO. 63084
 JOHNSON, MIRIRAN & THOMPSON, INC.
 2000 EAST 11TH AVENUE, SUITE 300
 TAMPA, FLORIDA 33605-3830

SHEET NO.
S-4

SOUTH WABASH AVENUE



Scale: 1"= 40'



BEGIN SIGNING AND PAVEMENT MARKINGS
WABASH AVENUE STA. 47+98.19
MEET AND MATCH EXISTING
PAVEMENT MARKINGS
(PAVEMENT MARKINGS FROM
STA. 47+98.19 TO 48+48.19
REFURBISHED IN PLACE)

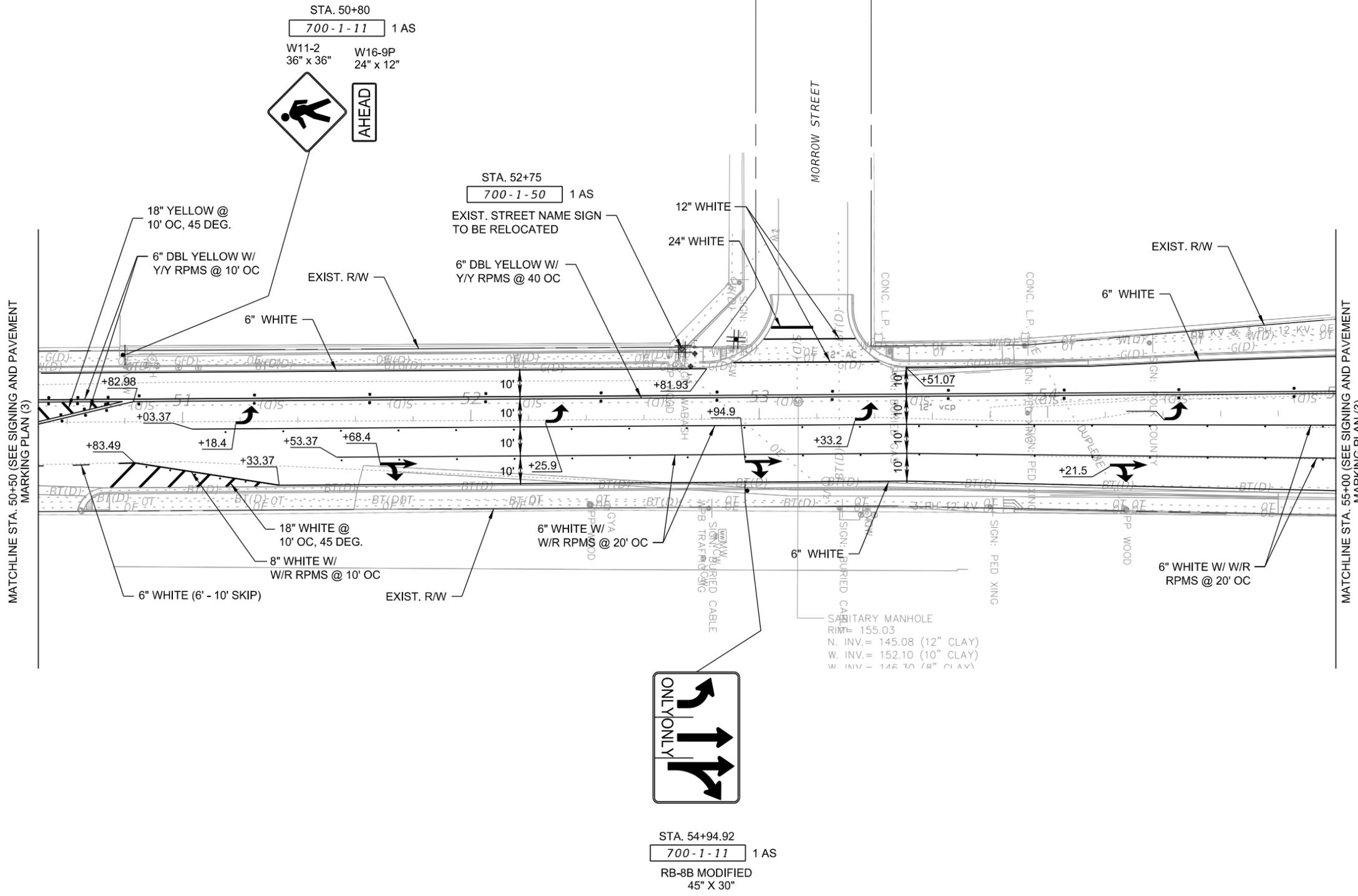
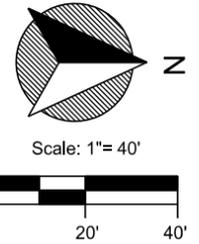
MATCHLINE STA. 50+50 (SEE SIGNING AND PAVEMENT MARKING PLAN (4))

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REVISIONS			CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS			SIGNING AND PAVEMENT MARKING PLAN (4)	THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.	SERGIO CARLOS QUEVEDO P.E. LICENSE NO. 63084 JOHNSON, MIRMIRAN & THOMPSON, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	DATE	SHEET NO.
DATE / TIME	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
			US 92	POLK	429813-1-58-01					

SOUTH WABASH AVENUE



NOTE:
LANE WIDTH TRANSITIONS FROM
10' AT STA. 53+51.07 TO 12' AT STA. 55+78.10

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REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

SIGNING AND PAVEMENT MARKING PLAN (5)

THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.

SERGIO CARLOS QUEVEDO
P.E. LICENSE NO. 63084
JOHNSON, MIRIRAN & THOMPSON, INC.
2000 EAST 11TH AVENUE, SUITE 300
TAMPA, FLORIDA 33605-3830

DATE	SHEET NO.
	S-6

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														THIS		PLAN	FINAL
			T-3		T-5		PLAN		FINAL		PLAN		FINAL		PLAN		FINAL			
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	399															399		
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	315															315		
0632 7 1	SIGNAL CABLE, NEW OR RECONSTRUCTED INTERSECTION, F&I	PI	1															1		
0634 4 153	SPAN WIRE ASSEMBLY, F&I, TWO POINT, BOX	PI	1															1		
0634 5 1	FIBERGLASS INSULATOR, FURNISH & INSTALL	LF	72															72		
0635 2 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	17															17		
0639 1 122	ELECT POWER SERV, F&I, UG, METER PURCHASED BY CONTR	AS	1															1		
0639 1 620	ELECT POWER SERV, REMOVE, UG	AS	1															1		
0639 2 1	ELECT SERVICE WIRE, FURNISH & INSTALL	LF	18															18		
0639 2 6	ELECT SERVICE WIRE, REMOVE	LF	10															10		
0641 2 12	PRESTRESSED CONC POLE, F&I, TYPE P-11, SERV POLE	EA	1															1		
0641 2 60	PRESTRESSED CONC POLE, COMPLETE POLE REMOVAL PED/SERV POLE	EA	1															1		
0646 1 11	ALUMINUM SIGNAL POLE, PEDESTAL	EA	8															8		
0646 1 60	ALUMINUM SIGNAL POLE, REMOVE	EA	1															1		
0649 1 13	STEEL STRAIN POLE, F&I, TYPE PSVI	EA	4															4		
0649 26 5	MAST ARM, REMOVE DEEP/COMP FOUNDATION, BOLT ON ATTACHMENT	EA	4															4		
0650 1 14	TRAFFIC SIGNAL, F&I, ALUM, 3 SECTION, 1 WAY	AS				10												10		
0650 1 16	TRAFFIC SIGNAL, F&I, ALUM, 4 SECTION, 1 WAY	AS				3												3		
0653 1 11	PEDESTRIAN SIGNAL, F&I, LED COUNTDOWN, 1 WAY	AS				8												8		
0660 4 11	VEHICLE DETECTION SYSTEM-VIDEO, F&I, CABINET EQUIPMENT	EA	1															1		
0660 4 12	VEHICLE DETECTION SYSTEM-VIDEO, F&I, ABOVE GROUND EQUIPMENT	EA	4															4		
0665 1 11	PEDESTRIAN DETECTOR, F&I, STANDARD	EA	8															8		
0670 5 120	TRAFFIC CONTROLLER ASSEMBLY, F&I, 170	AS	1															1		
0670 5 600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER W/CABINET	AS	1															1		
0682 1 113	ITS CCTV CAMERA, F&I, DOME PTZ ENCL - PRESSURIZED, 1P, HD	EA	1															1		
0685 1 13	UNINTERRUPTIBLE POWER SUPPLY, F&I, LINE INTERACTIVE W/	EA	1															1		
0700 5 22	INTERNALLY ILLUMINATED SIGN, F&I, OH MOUNT, 12-18 SF	EA				4												4		
0700 11 391	ELECTRONIC DISPLAY SIGN, F&I, OH MOUNT AC POWERED, BLANK OUT SIGN, UP TO 12 SF	AS				1												1		

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<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>DATE / TIME</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			REVISIONS			DATE / TIME	BY	DESCRIPTION				<p align="center">CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS</p> <table border="1"> <tr> <td>ROAD NO.</td> <td>COUNTY</td> <td>FINANCIAL PROJECT ID</td> </tr> <tr> <td>US 92</td> <td>POLK</td> <td>429813-1-58-01</td> </tr> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	US 92	POLK	429813-1-58-01	<p>SIGNALIZATION TABULATION OF QUANTITIES</p>		<p>THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.</p>	<table border="1"> <tr> <td> SERGIO CARLOS QUEVEDO P.E. LICENSE NO. 63084 JOHNSON, MIRMIRAN & THOMPSON, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830 </td> <td>DATE</td> </tr> </table>	SERGIO CARLOS QUEVEDO P.E. LICENSE NO. 63084 JOHNSON, MIRMIRAN & THOMPSON, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	DATE	<table border="1"> <tr> <td>SHEET NO.</td> </tr> <tr> <td>T-1</td> </tr> </table>	SHEET NO.	T-1
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DATE / TIME	BY	DESCRIPTION																											
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US 92	POLK	429813-1-58-01																											
SERGIO CARLOS QUEVEDO P.E. LICENSE NO. 63084 JOHNSON, MIRMIRAN & THOMPSON, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	DATE																												
SHEET NO.																													
T-1																													

SIGNALIZATION GENERAL NOTES:

1. WHERE MAST ARM, STRAIN POLES, OR ANY OTHER SIGNAL EQUIPMENT REQUIRING FOUNDATIONS ARE PROPOSED WITHIN 4 FEET OF ANY UNDERGROUND UTILITY, THE UTILITY SHALL BE LOCATED AND PROTECTED AND THE INITIAL 5 FEET OF THE SHAFT INSTALLATION SHALL BE HAND DUG.
2. FOR REMOVED SIGNAL EQUIPMENT CLAIMED BY MAINTAINING AGENCY, CONTACT , CITY OF LAKE LAND TRAFFIC OPERATIONS (863) 834-3490.
3. MAINTAINING AGENCY: CITY OF LAKE LAND
4. PAVEMENT MARKINGS ARE SHOWN FOR REFERENCE PURPOSES ONLY. FOR PAVEMENT MARKING DESIGN INFORMATION, SEE PAVEMENT MARKING SHEETS.
5. CITY OF LAKE LAND ELECTRIC TO ASSIST CONTRACTOR IN PERFORMING ALL NECESSARY WORK UNDER THEIR POWER LINES, SUCH AS THE INSTALLATION OF SPAN WIRE, SIGNAL CABLE, FIBERGLASS INSULATORS AND SIGNAL POLES. CONTRACTOR TO NOTIFY THE POWER COMPANY AT LEAST THREE (3) FULL BUSINESS DAYS PRIOR TO INSTALLATION OF THIS EQUIPMENT
6. AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE TRAFFIC SIGNAL INSTALLATION, CONTACT THE TRAFFIC SIGNAL INSPECTOR/LIAISON:

GRAYSON O'CAIN, PH: 863-519-4110
FLORIDA DEPARTMENT OF TRANSPORTATION
BARTOW OPERATIONS CENTER
2730 S.R. 60 WEST
BARTOW, FL 33830
7. AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE TRAFFIC SIGNAL INSTALLATION, CONTACT THE CITY OF LAKE LAND TRAFFIC OPERATIONS AT (863) 834-3491.
8. CONTACT BOB SMITH (863 834-6891) WITH THE CITY OF LAKE LAND ELECTRIC A MINIMUM OF TWO (2) FULL BUSINESS DAYS PRIOR TO REMOVAL AND/OR INSTALLATION OF FIBER/INTERCONNECT.
9. WHEN CONSTRUCTION IS COMPLETE, IN ADDITION TO THE REQUIREMENT OF STANDARD SPECIFICATION 9-8.1(H), PROVIDE A SET OF "AS-BUILT" PLANS TO:

CITY OF LAKE LAND TRAFFIC OPERATIONS
MR. ANGELO RAO, P.E., MANAGER OF TRAFFIC OPERATIONS
MR. RICK GRUBE, TRAFFIC SYSTEMS SUPERVISOR
834 E. ROSE STREET
LAKE LAND, FL 33801
10. WHEN CONSTRUCTION IS COMPLETE, PROVIDE A SET OF "AS-BUILT" PLANS IN ELECTRONIC FORMAT (PDF) TO:

FDOT TRAFFIC OPERATIONS
RENJAN JOSEPH, P.E., TRAFFIC SIGNAL SYSTEMS MANAGER
801 N. BROADWAY AVE.
BARTOW, FL 33830-1249
EMAIL: RENJAN.JOSEPH@DOT.STATE.FL.US
PHONE: 863-519-2746
11. 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 POINTS HAVE NOT BEEN VERIFIED.
12. 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 BEGINNING CONSTRUCTION ON THE JOB SITE.

PAY ITEM NOTES:

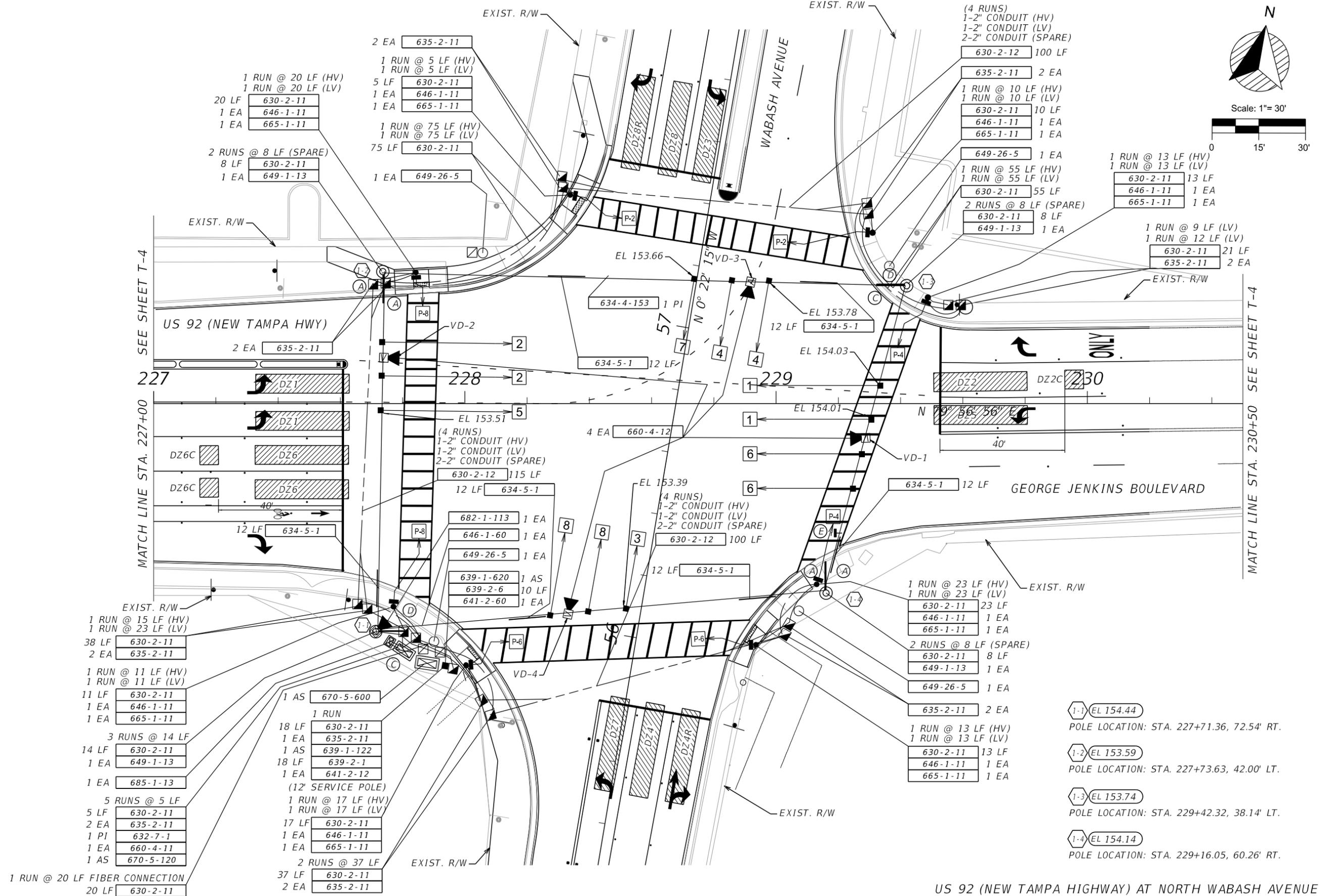
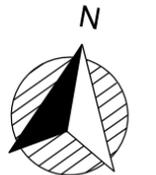
- 632-7-1:
VERIFY THE COLOR CODE OF SIGNAL CABLE WITH THE MAINTAINING AGENCY PRIOR TO WIRING INTERSECTION.
- 635-2-11:
PULL BOXES ARE TO BE PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, PULL BOXES SHALL BE PLACED A MINIMUM OF 7' FROM THE EDGE OF PAVEMENT.
USE POLYMER CONCRETE CONSTRUCTION PULL BOXES WITH POLYMER CONCRETE COVERS.
- 639-1-122:
ELECTRICAL SERVICE DISCONNECT IS 100 AMP, COMPRISING OF A SIX (6) CIRCUIT DISCONNECT BOX WITH THREE CIRCUIT BREAKERS - ONE 40 AMP / 120 VOLT FOR CONTROLLER CABINET, ONE 15 AMP / 120 VOLT FOR INTERNALLY ILLUMINATED STREET NAME SIGNS AND ONE 15 AMP / 120 VOLT FOR FUTURE USE.
USE ALUMINUM RIGID ABOVEGROUND CONDUIT FOR ELECTRICAL POWER SERVICE.
CONTACT THE COMPANY PROVIDING ELECTRICAL POWER SERVICE TO DETERMINE IF A SERVICE PROCESSING FEE OR CONNECTION FEE IS REQUIRED. THE COST OF ANY SUCH FEE SHALL BE INCLUDED AS PART OF PAYMENT FOR ELECTRICAL POWER SERVICE ASSEMBLY.
- 646-1-11:
USE LOCKING COLLARS WHEN MOUNTING ALUMINUM PEDESTRIAN POLES TO PEDESTRIAN PEDESTAL BASES.
USE BREAKAWAY ALUMINUM SQUARE BASE ASSEMBLIES WITH ALUMINUM DOORS FOR PEDESTRIAN PEDESTALS.
- 649-1-13:
USE TWO 2" CONDUITS (EXCEPT FOR THE POLE LOCATED ADJACENT TO THE CONTROLLER CABINET WHICH SHALL HAVE THREE 2" CONDUITS) STUBBED OUT THROUGH STEEL POLE AND TEMPORARILY SEAL.
- 650-1-14 AND 650-1-16:
USE LOUVERED ALUMINUM SIGNAL HEAD BACK PLATES WITH A 2" YELLOW REFLECTORIZED (TYPE III REFLECTIVITY) OUTER EDGE BORDER.
USE RED, YELLOW, GREEN, AND WHITE THHN #14 COPPER WIRES FROM DISCONNECT TO SIGNAL HEAD. PLACE A PERMANENT MARKING ON THE WIRE DESIGNATING THE PHASE USED.
ALL SIGNAL INDICATIONS MUST BE 15-YEAR LED.
- 653-1-11:
PEDESTRIAN SIGNAL HEADS TO BE 16" INTERNATIONAL SYMBOL, LED COUNTDOWN TYPE.
- 660-4-11, 660-4-12:
VIDEO DETECTION CAMERAS AND DETECTOR UNIT SHALL BE ITERIS SPANSMART OR EQUAL AND MUST BE COMPATIBLE WITH THE CITY OF LAKE LAND'S COMMUNICATION SYSTEM.
- 665-1-11:
USE PEDESTRIAN BUTTON SIGNAL SIGN FTP-68B-06. STREET NAME SHALL BE IN ACCORDANCE WITH THE STREET NAMES SHOWN ON THE SIGNALIZATION PLAN SHEETS.
USE TWO TONE TYPE PUSHBUTTONS WITH VISUAL INDICATION AND NON-LATCHING MOMENTARY.
USE POLARA PUSHBUTTONS OR EQUAL WITH THE CITY OF LAKE LAND LOGO ETCHED ON THEM.
- 670-5-120:
BASE OF CONTROLLER SHALL BE THE SAME ELEVATION AS THE CENTER OF ROADWAY OR GREATER.
USE AN ECONOLITE 170 COBALT CONTROLLER WITH A 333 CABINET. ALL CONTROLLER EQUIPMENT TO BE COMPATIBLE WITH THE CITY OF LAKE LAND'S CENTRACS ADVANCE TRAFFIC MANAGEMENT SYSTEM. CONTACT MAINTAINING AGENCY PRIOR TO ORDERING CONTROLLER ASSEMBLY TO CONFIRM EQUIPMENT COMPATIBILITY. CONNECT CONTROLLER TO THE CITY OF LAKE LAND'S ATMS SYSTEM.
CONTROLLER MMU (MALFUNCTION MANAGEMENT UNIT) TO BE COMPATIBLE WITH FOUR SECTION HEAD OPERATION/LOGIC.
- 682-1-113
CCTV HARDWARE AND SOFTWARE SHALL BE COMPATIBLE WITH THE CITY OF LAKE LAND'S EXITING CCTV CAMERA SYSTEM. THE CONTRACTOR SHALL CONTACT THE CITY PRIOR TO ORDERING THE CCTV CAMERA TO CONFIRM COMPATIBILITY.
- 685-1-13:
INCLUDE AN UNINTERRUPTIBLE POWER SUPPLY UNIT (UPS). UPS UNIT SHALL BE HOUSED IN A SEPARATE CABINET MOUNTED ON A SEPARATE FOUNDATION ADJACENT TO THE CONTROLLER CABINET. COST OF FOUNDATION AND CABINET SHALL BE INCLUDED WITH THE UPS UNIT. INSTALL UPS UNIT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. UPS EQUIPMENT TO BE COMPATIBLE WITH MAINTAINING AGENCY EXISTING SYSTEM.
- 700-5-22:
ALL INTERNALLY ILLUMINATED STREET NAME SIGNS TO BE MOUNTED FREE SWINGING ON POLE BRACKET ARM ATTACHED TO POLE AND SHALL BE DOUBLE SIDED.
USE LED INTERNALLY ILLUMINATED STREET NAME SIGNS.
CONNECT INTERNALLY ILLUMINATED STREET NAME SIGN CONDUCTORS TO PHOTOELECTRIC CELL LOCATED OUTSIDE THE ELECTRICAL SERVICE DISCONNECT BOX AND PHOTOELECTRIC CELL CONDUCTORS TO DEDICATED 15 AMP./120 VOLT CIRCUIT BREAKER LOCATED INSIDE THE ELECTRICAL SERVICE DISCONNECT BOX.
INSTALL PHOTOELECTRIC CELL FOR INTERNALLY ILLUMINATED STREET NAME SIGNS ON TRAFFIC SIGNAL ELECTRICAL SERVICE DISCONNECT.

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REVISIONS			CITY OF LAKE LAND DEPARTMENT OF PUBLIC WORKS			SIGNALIZATION GENERAL NOTES & PAY ITEM NOTES	THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.	SERGIO CARLOS QUEVEDO P.E. LICENSE NO. 63084 JOHNSON, MIRMIRAN & THOMPSON, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	DATE	SHEET NO.
DATE / TIME	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
			US 92	POLK	429813-1-58-01					

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US 92 (NEW TAMPA HIGHWAY) AT NORTH WABASH AVENUE

REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

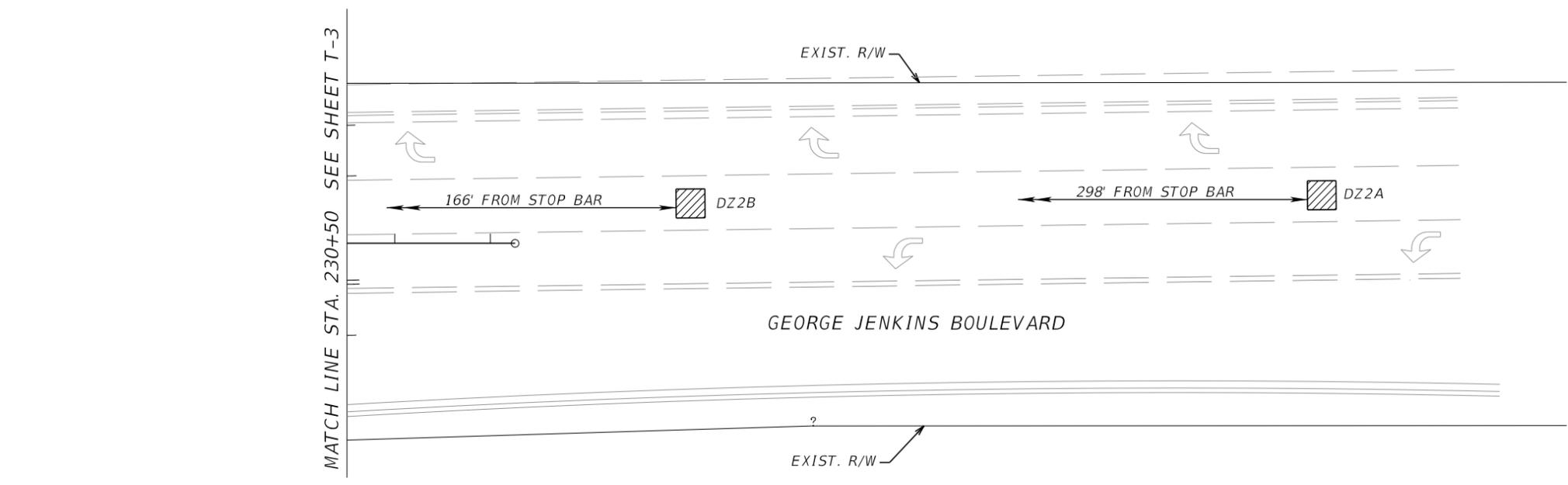
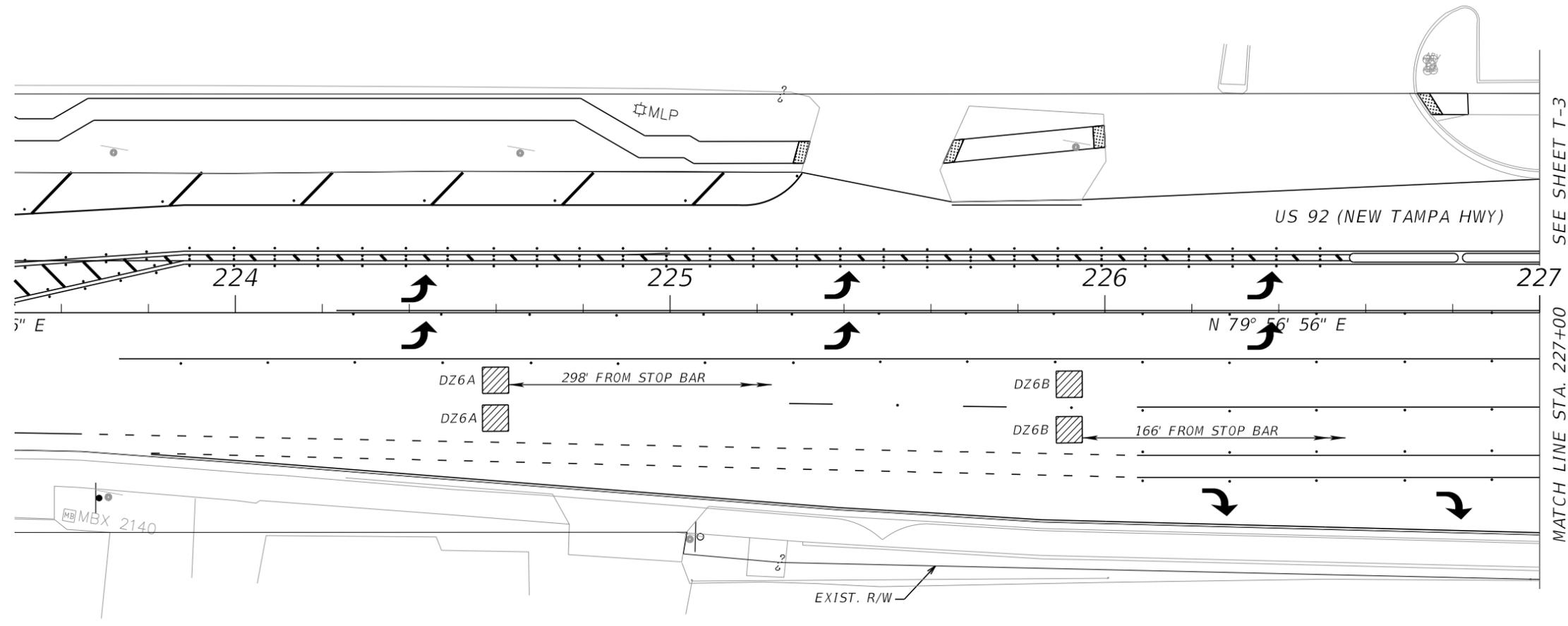
SIGNALIZATION PLAN (1)

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SERGIO CARLOS QUEVEDO
 P.E. LICENSE NO. 63084
 JOHNSON, MIRMIRAN & THOMPSON, INC.
 2000 EAST 11TH AVENUE, SUITE 300
 TAMPA, FLORIDA 33605-3830

SHEET NO.
T-3

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US 92 (NEW TAMPA HIGHWAY) AT NORTH WABASH AVENUE

REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

SIGNALIZATION PLAN (2)

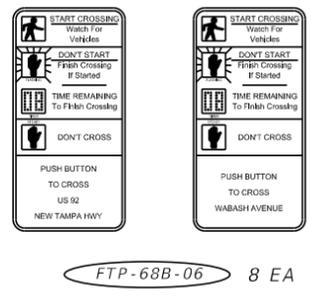
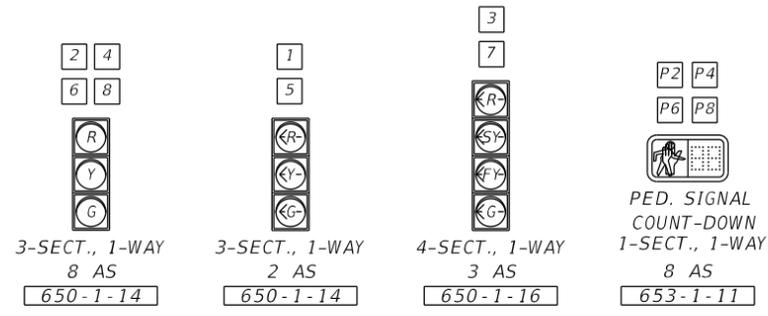
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 2000 EAST 11TH AVENUE, SUITE 300
 TAMPA, FLORIDA 33605-3830

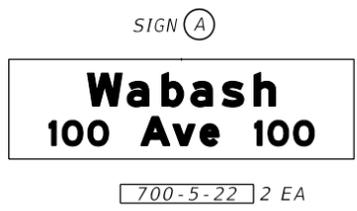
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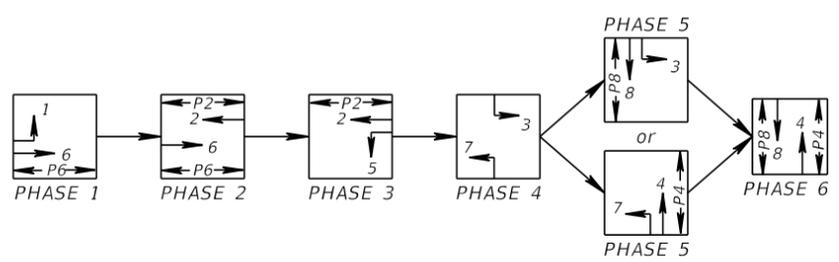


INTERNALLY ILLUMINATED STREET NAME SIGNS TO BE MOUNTED FREE SWINGING ON POLE BRACKET ARM ATTACHED TO POLE AND SHALL BE DOUBLE SIDED.



- NOTES:
- MAJOR STREET IS US 92 (NEW TAMPA HIGHWAY), PHASE 2 (MOVEMENTS 2 AND 6); MINOR STREET IS WABASH AVENUE, PHASE 6 (MOVEMENTS 4 AND 8).
 - SPECIAL SIGNAL OPERATING PLAN WITH THE FOLLOWING:
 - AT LEAST THREE (3) WEEKS PRIOR TO TIMING IMPLEMENTATION AND PROGRAMMING OF THE CONTROLLER, REQUEST UPDATED SIGNAL TIMINGS (BASIC CONTROLLER AS WELL AS COORDINATION) FROM FDOT ARTERIAL MANAGEMENT SYSTEM ENGINEER (863-519-2746). PROVIDE FDOT WITH ALL "AS-BUILT" INFORMATION NECESSARY TO DEVELOP THE BASIC SIGNAL TIMING PARAMETERS. PROGRAM THE CONTROLLER AS PER THE TIMINGS PROVIDED BY FDOT.
 - CONCURRENT ACTUATED PEDESTRIANS FOR MOVEMENTS 2 (P2), 4 (P4), 6 (P6), AND 8 (P8).
 - WHEN SIGNAL IS IN FLASHING MODE, MOVEMENTS 2 AND 6 SHALL FLASH YELLOW. ALL OTHER VEHICLE MOVEMENTS SHALL FLASH RED.
 - POSTED SPEED LIMIT IS: 45 MPH ON US 92 (NEW TAMPA HIGHWAY), AND 45 MPH ON WABASH AVENUE NORTH OF US 92, AND 35 MPH ON WABASH AVENUE SOUTH OF US 92.

SPECIAL S.O.P.



CONTROLLER TIMINGS								
TIMING FUNCTION								
MOVEMENT NUMBER	1	2	3	4	5	6	7	8
DIRECTION	EBL	WB	SBL	NB	WBL	EB	NBL	SB
TURN TYPE								
MINIMUM GREEN								
EXTENSION								
YELLOW CLEARANCE	4.8	4.8	4.8	4.0	4.8	4.8	4.0	4.8
ALL RED	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
MAXIMUM GREEN 1								
MAXIMUM GREEN 2								
MAX LIMIT								
ADJUST BY								
PEDESTRIAN WALK		7		7		7		7
PED. CLEARANCE		26		27		26		28
DETECTOR MEMORY								
DET CROSS SWITCH								
DUAL ENTRY								
RECALL								

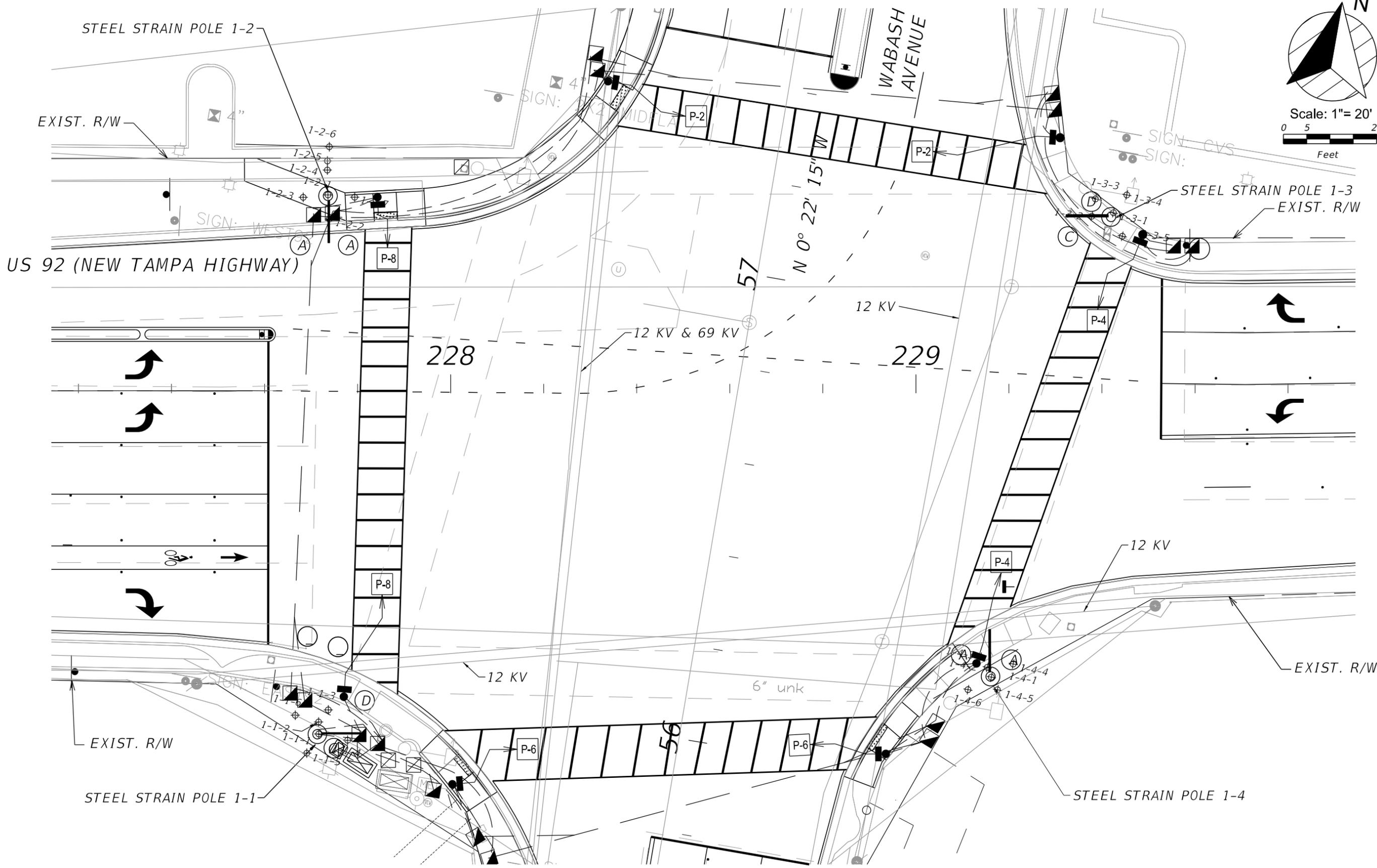
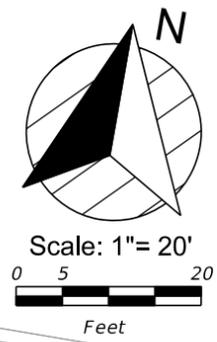
VIDEO DETECTION CHART			
RADAR DETECTOR	DETECTOR ZONE	MOVEMENT	DELAY (SEC.)
VD-1	DZ1	1	-
	DZ6	6	-
VD-2	DZ5	5	-
	DZ2	2	-
VD-3	DZ7	7	3
	DZ4	4	-
	DZ4R	4	8
VD-4	DZ3	3	-
	DZ8	8	-
	DZ8R	8	8

US 92 (NEW TAMPA HIGHWAY) AT NORTH WABASH AVENUE

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REVISIONS			CITY OF LAKELAND			SIGNALIZATION DETAILS	THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.	SERGIO CARLOS QUEVEDO P.E. LICENSE NO. 63084 JOHNSON, MIRMIRAN & THOMPSON, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	DATE	SHEET NO.
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			US 92	POLK	429813-1-58-01					

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REVISIONS		
DATE / TIME	BY	DESCRIPTION

CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
US 92	POLK	429813-1-58-01

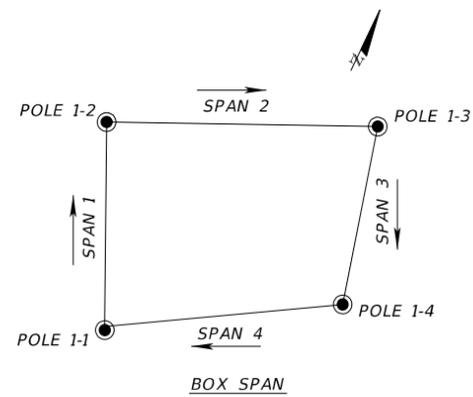
INTERSECTION CONDUIT & PEDESTRIAN DETAIL

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SERGIO CARLOS QUEVEDO _____ DATE
 P.E. LICENSE NO. 63084
 JOHNSON, MIRMIRAN & THOMPSON, INC.
 2000 EAST 11TH AVENUE, SUITE 300
 TAMPA, FLORIDA 33605-3830

SHEET NO.
T-6

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CRITICAL ELEVATION DIFFERENTIAL IS THE DIFFERENCE IN ELEVATION FROM THE POLE LOCATION TO THE HIGHEST POINT OF THE ROADWAY THAT THE SPAN(S) CROSSES. A POSITIVE ELEVATION DIFFERENTIAL INDICATES THAT THE POLE LOCATION IS LOWER THAN THE ROADWAY.

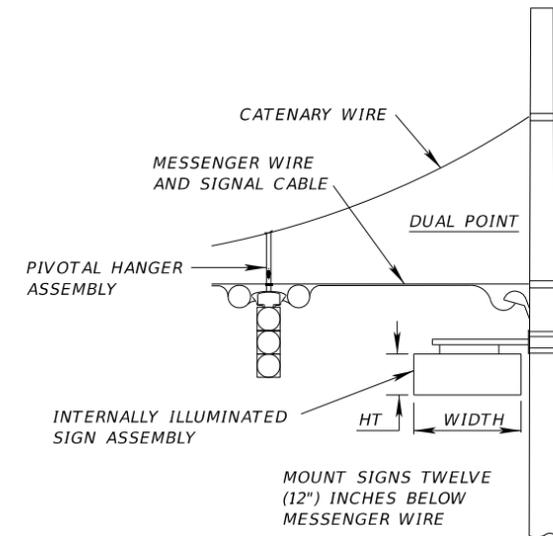
SIGNAL HEAD AND SIGN LOCATIONS SHOWN ON THIS SHEET REFLECT FUTURE REQUIREMENTS. SEE APPROPRIATE PLAN SHEET FOR INITIAL SIGNAL HEAD AND SIGN CONFIGURATION AND LOCATION.

SIGNS SHALL BE MOUNTED WITH A VERTICAL CLEARANCE HEIGHT OF 17.5'.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL ELEVATIONS LISTED HEREIN.

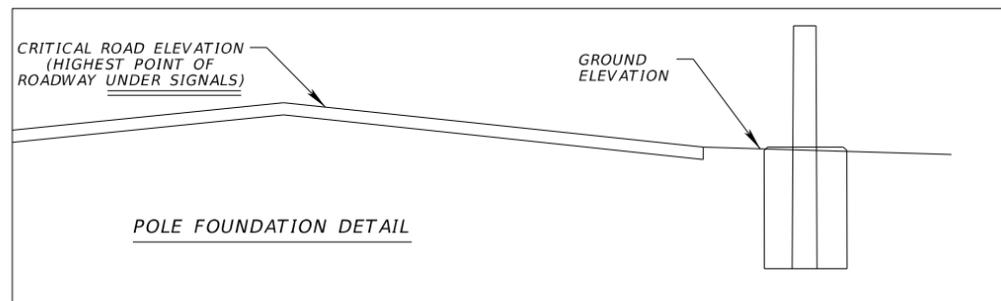
INFORMATION BELOW IS FOR DESIGN PURPOSES ONLY. FIELD ADJUSTMENTS MAY BE REQUIRED.

BACKPLATES REQUIRED FOR ALL SIGNALS HEADS.



CONCRETE STRAIN POLES

LOC. NO.	SHEET NO.	P O L E	LOCATION BY STA.	CRIT. ROAD ELEV.	GROUND ELEVATION	S P A N	SPAN LENGTH	BACK-PLATES (Y/N)	SIGNAL DATA DISTANCE FROM POLE/NUMBER OF SECTIONS																SIGN DATA DISTANCE FROM POLE(*)/HEIGHT & WIDTH (* Enter Pole No. as indicated above if attached to pole)															
									DIST.		SEC.		DIST.		SEC.		DIST.		SEC.		DIST.		SEC.		DIST.	HT.	WIDTH	DIST.	HT.	WIDTH	DIST.	HT.	WIDTH							
									1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2										1	2	3	4	5	6	7
BOX SPAN PLAN	---	T-3	1-1	227+71.36, 72.54' RT	153.51	154.44	1	114.6	Y	1 70.4	4	2 81.4	3	3 92.1	3	4	5	6	1 1-1	2'	7'	2	3	4	5	6	7	8	9	10	11	12								
			1-2	227+73.63, 42.00' LT	153.66	153.59	2	168.7	Y	1 100.1	4	2 112.2	3	3 124.1	3	4	5	6	1 1-2	2'	7'	2	3	4	5	6	7	8	9	10	11	12								
			1-3	229+42.32, 38.14' LT	154.01	153.74	3	100.4	Y	1 33.6	3	2 44.7	3	3 56.1	3	4 67.5	3	5	6	1 1-3	2'	7'	2	3	4	5	6	7	8	9	10	11	12							
			1-4	229+16.05, 60.26' RT	153.39	154.14	4	145.2	Y	1 64.5	4	2 76.7	3	3 88.9	3	4	5	6	1 1-4	2'	7'	2	3	4	5	6	7	8	9	10	11	12								
BOX SPAN FUTURE LOADING	---	T-3	1-1	227+71.36, 72.54' RT	153.51	154.44	1	114.6	Y	1 70.4	4	2 81.4	3	3 92.1	3	4 103.1	3	5	6	1 1-1	2'	7'	2	75.9	3'	2.5'	3	4	5	6	7	8	9	10	11	12				
			1-2	227+73.63, 42.00' LT	153.66	153.59	2	168.7	Y	1 100.1	4	2 112.2	3	3 124.1	3	4 135.1	3	5	6	1 1-2	2'	7'	2	96.5	3'	2.5'	3	4	5	6	7	8	9	10	11	12				
			1-3	229+42.32, 38.14' LT	154.01	153.74	3	100.4	Y	1 33.6	4	2 44.7	3	3 56.1	3	4 67.5	3	5 78.5	3	6	1 1-3	2'	7'	2	39.1	3'	2.5'	3	81.5	2.0'	2.0'	4	5	6	7	8	9	10	11	12
			1-4	229+16.05, 60.26' RT	153.39	154.14	4	145.2	Y	1 64.5	4	2 76.7	3	3 88.9	3	4 99.9	3	5	6	1 1-4	2'	7'	2	60.5	3'	2.5'	3	4	5	6	7	8	9	10	11	12				



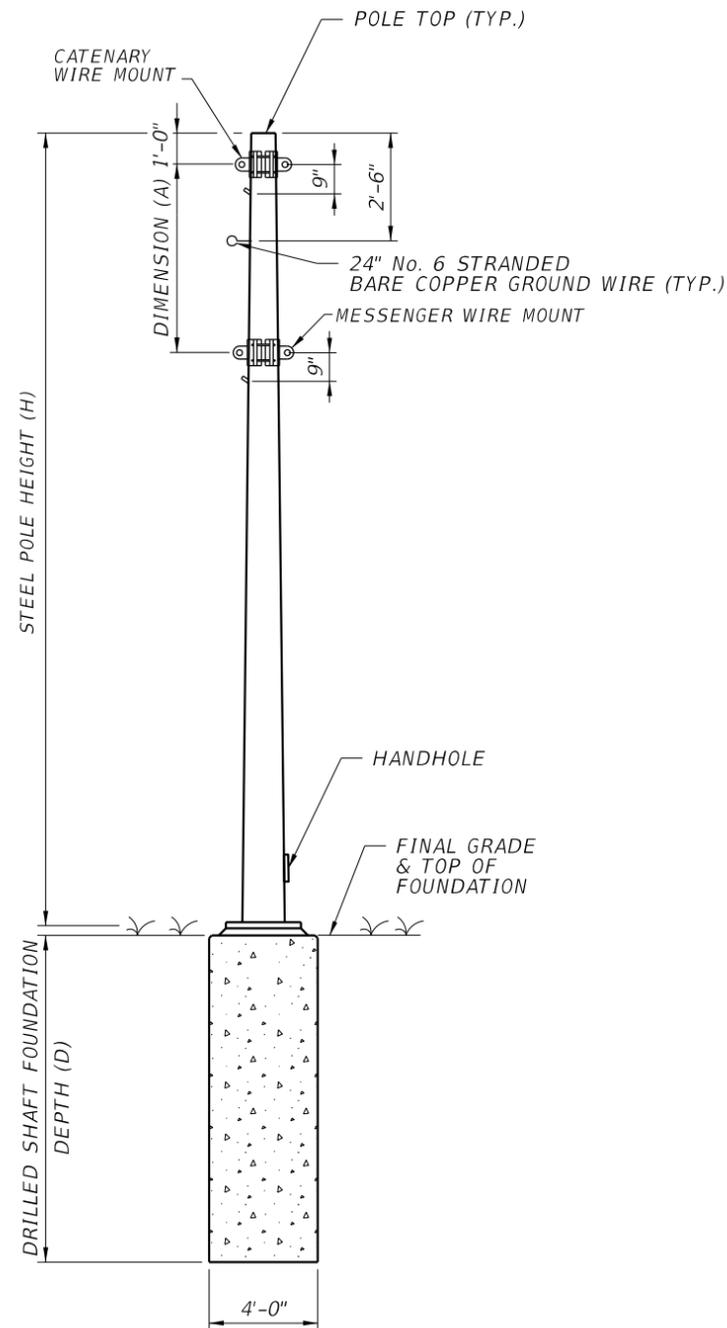
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REVISIONS			CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS			CONCRETE STRAIN POLE TABULATION SHEET	THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.	SERGIO CARLOS QUEVEDO P.E. LICENSE NO. 63084 JOHNSON, MIRMIRAN & THOMPSON, INC. 2000 EAST 11TH AVENUE, SUITE 300 TAMPA, FLORIDA 33605-3830	DATE	SHEET NO.
DATE / TIME	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
			US 92	POLK	429813-1-58-01					

STRAIN POLE SCHEDULE

ID NO.	SHEET NO.	POLE LOCATION		GROUND ELEVATION (FT.)	CRITICAL ROAD ELEVATION (FT.)	POLE TYPE	FOUNDATION DEPTH (D) (FT.)	POLE HEIGHT (H) (FT.)	DIM. (A) (FT.)	PAY ITEM NUMBER	FOUNDATION DESIGN ASSUMPTIONS	
		STATION	OFFSET								INTERNAL ANGLE OF FRICTION (DEG.)	EFFECTIVE UNIT WEIGHT (PCF)
1-1	T-3	227+71.36	72.54 RT.	154.44	153.51	PS-VI	16.00	34.00	10.26	649-1-13	29	59.6
1-2	T-3	227+73.63	42.00 LT.	153.59	153.66	PS-VI	16.00	34.00	10.26	649-1-13	29	59.6
1-3	T-3	229+42.32	38.14 LT.	153.74	154.01	PS-VI	16.00	34.00	10.26	649-1-13	29	59.6
1-4	T-3	229+16.05	60.26 RT.	154.14	153.39	PS-VI	16.00	34.00	10.26	649-1-13	29	59.6



STEEL STRAIN POLE SECTION

STEEL POLE DIMENSIONS
TYPES PS-IV THROUGH PS-X
(SEE INDEX 649-010 FOR POLE DETAILS)

SCHEDULE NOTES:

1. FOR STEEL STRAIN POLES AND FOUNDATIONS, WORK WITH INDEX 649-010.

STRAIN POLE NOTES:

- FOR THE PROPOSED STRAIN POLES SHOWN ON SHEET T-3, CATENARY AND MESSENGER CABLE DIAMETER SHALL BE 7/16" AND UTILITY GRADE, 7-WIRE STRANDS MANUFACTURED IN ACCORDANCE WITH ASTM A475. ALL WIRES SHALL HAVE A CLASS A ZINC COATING.
- REFER TO SECTION 649 OF THE FDOT SPECIFICATIONS FOR FOUNDATION CONSTRUCTION INFORMATION. ADDITIONALLY, SEE SECTION 634 FOR SPAN WIRE ASSEMBLY INFORMATION.
- FOR SIGN BRACKET ATTACHED TO POLE SEE SHEET T-9 AND SHEET T-10.
- 2-1/2" GALVANIZED PIPE NIPPLE 1'-9" FROM TOP OF POLE AND 9" BELOW MESSENGER WIRE CONNECTION.
- DISCONNECT BOXES TO BE USED WITHOUT JONES PLUGS, TERMINAL BAR ONLY.

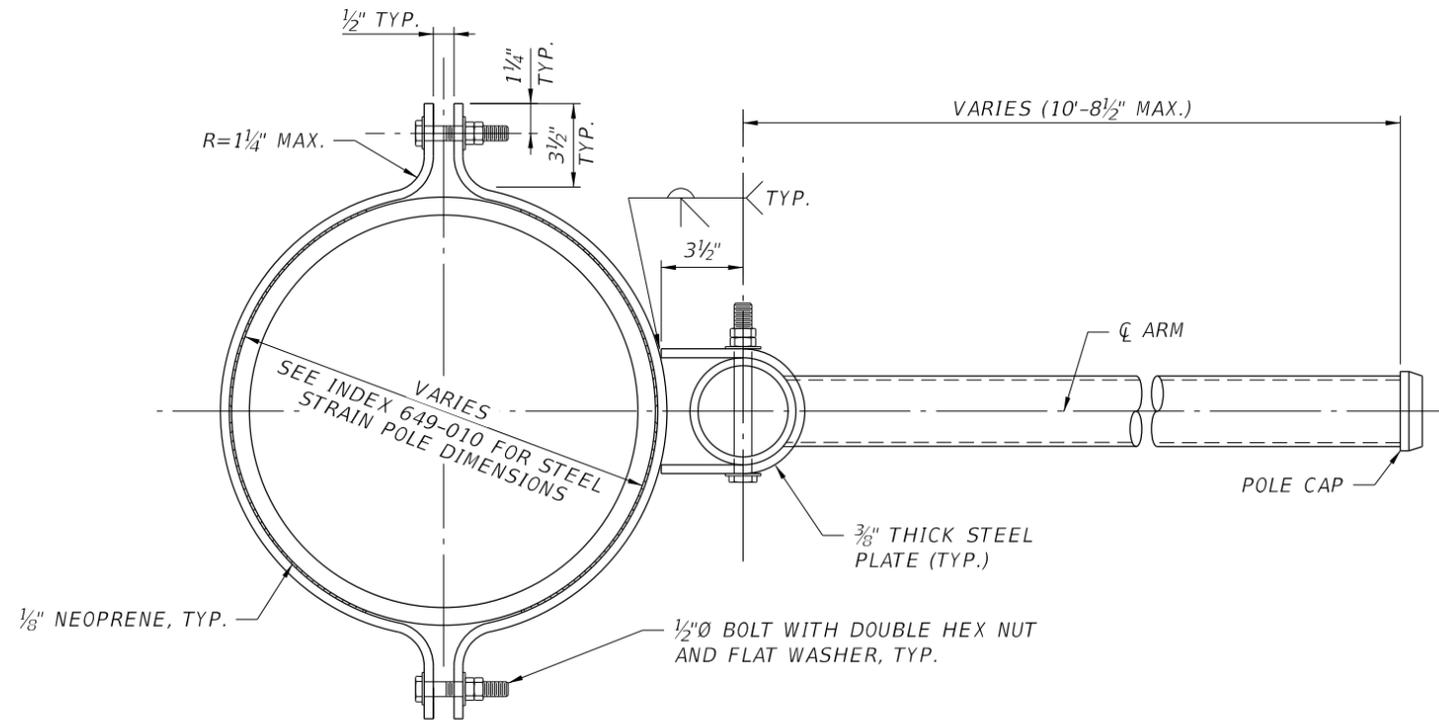
DESIGN NOTES:

1. FOR THE PROPOSED STRAIN POLES SHOWN ON SHEET T-3, DESIGN OF THE STRAIN POLES, CABLES, AND FOUNDATIONS ARE BASED ON 140 MPH. THIS IS IN ACCORDANCE WITH THE FDOT STRUCTURES MANUAL.

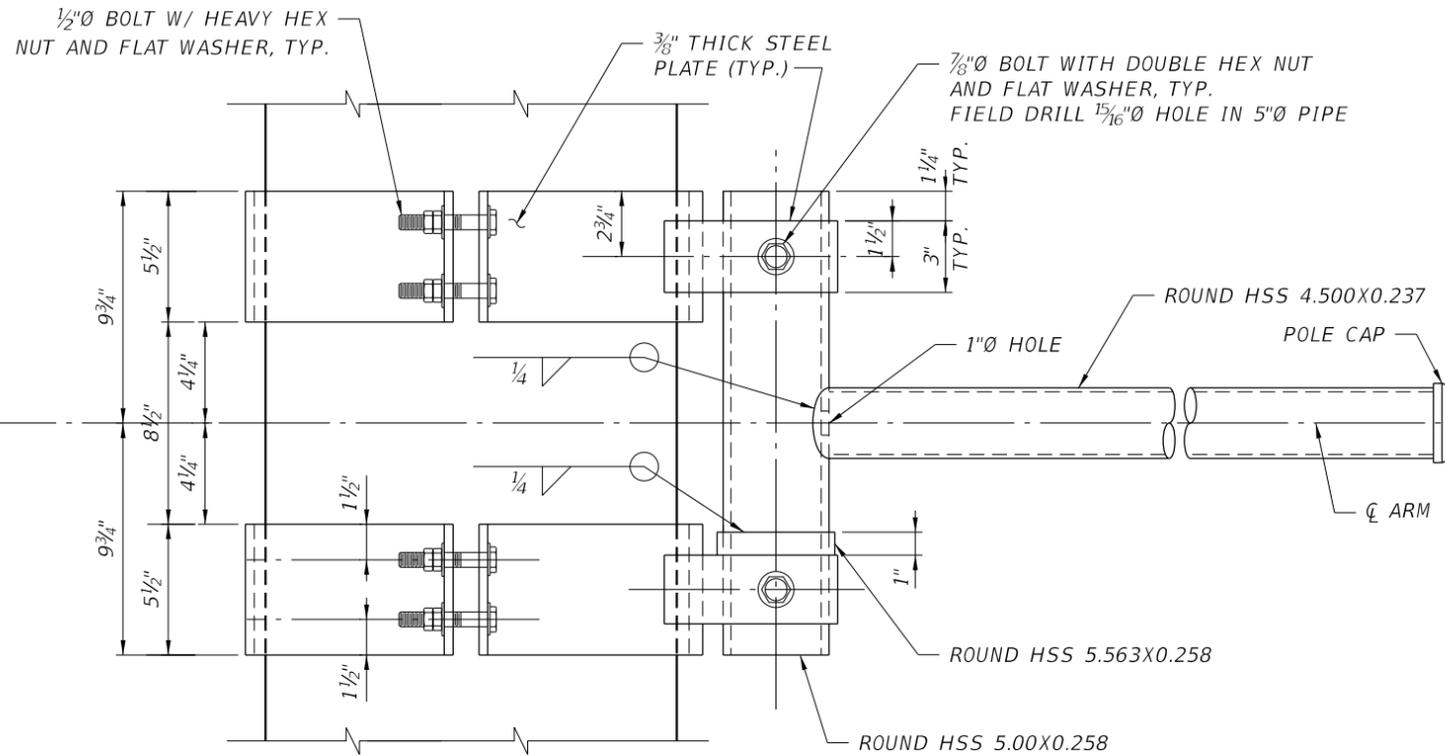
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<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE / TIME</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			DATE / TIME	BY	DESCRIPTION				<p align="center">CITY OF LAKELAND DEPARTMENT OF PUBLIC WORKS</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>US 92</td> <td>POLK</td> <td>429813-1-58-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	US 92	POLK	429813-1-58-01	<p align="center">STRAIN POLE SCHEDULE</p>		<p>THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION. PLANS MUST BE STAMPED "APPROVED FOR CONSTRUCTION" AND MUST BE SIGNED AND SEALED TO BE CONSIDERED FINAL. ALL PLANS NOT STAMPED, SIGNED, AND SEALED ARE PRELIMINARY, AND ARE NOT FOR CONSTRUCTION.</p>		<p>FREDERICK F. BRAERMAN, P.E. DATE</p> <p>P.E. LICENSE NO. 71026</p> <p>JOHNSON, MIRMIRAN & THOMPSON, INC.</p> <p>2000 EAST 11TH AVENUE, SUITE 300</p> <p>TAMPA, FLORIDA 33605-3830</p>		<p align="center">SHEET NO.</p> <p align="center">T-9</p>
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US 92	POLK	429813-1-58-01																						



**PLAN VIEW
STEEL STRAIN POLE**



**ELEVATION VIEW
STEEL STRAIN POLE**

NOTES:

1. THE CONTRACTOR SHALL VERIFY THE POLE AND DIMENSIONS REQUIRED FOR INSTALLATION OF THE SIGN BRACKET ARM AND MOUNTING ANGLE BEFORE MANUFACTURING SIGN BRACKET ARM.
2. WORK THIS SHEET WITH SIGN BRACKET ARM - SIGN PANEL DETAILS SHEET FOR ADDITIONAL INSTALLATION DETAILS.
3. DESIGN WIND SPEED = 140 MPH
DESIGN LOADS FROM THE CENTER OF THE VERTICAL PIPE ARE AS FOLLOWS:
HORIZONTAL MOMENT = 9727 FT LBS VERTICAL MOMENT = 2160 FT LBS
HORIZONTAL SHEAR = 909 LBS VERTICAL SHEAR = 226 LBS
4. THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE SIGN BRACKET ARM DESIGN AT NO ADDITIONAL COST TO THE DEPARTMENT. THE CONTRACTOR'S ALTERNATIVE SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE FDOT PLANS PREPARATION MANUAL AND AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS.
5. IF AN ALTERNATE DESIGN IS PROPOSED THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.
6. ALL STRUCTURAL STEEL EXCEPT FOR STRUCTURAL TUBING SHALL CONFORM TO ASTM A572 GRADE 50. STRUCTURAL TUBING SHALL CONFORM TO ASTM A53 GRADE B. ALL BRACKET PLATES SHALL BE HOT BENT.
7. ALL BOLTS SHALL BE HIGH STRENGTH A325 BOLTS AND SHALL RECEIVE ELECTRODEPOSITED COATING IN ACCORDANCE WITH ASTM B633.
8. THE COMPLETE SIGN BRACKET ARM ASSEMBLY SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123.
9. WELDING: ALL WELDING SHALL BE IN ACCORDANCE WITH AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE (STEEL), ANSI/AWS D1.1 (CURRENT EDITION). REQUIRED WELD MATERIAL IS E70XX. NONDESTRUCTIVE TESTING IS NOT REQUIRED.
10. FIELD WELDING SHALL NOT BE PERMITTED.
11. CAMBER OF SIGN BRACKET ARM = 1/4" (BASED ON MAXIMUM ARM LENGTH)

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SIGN BRACKET ARM (1 OF 2)

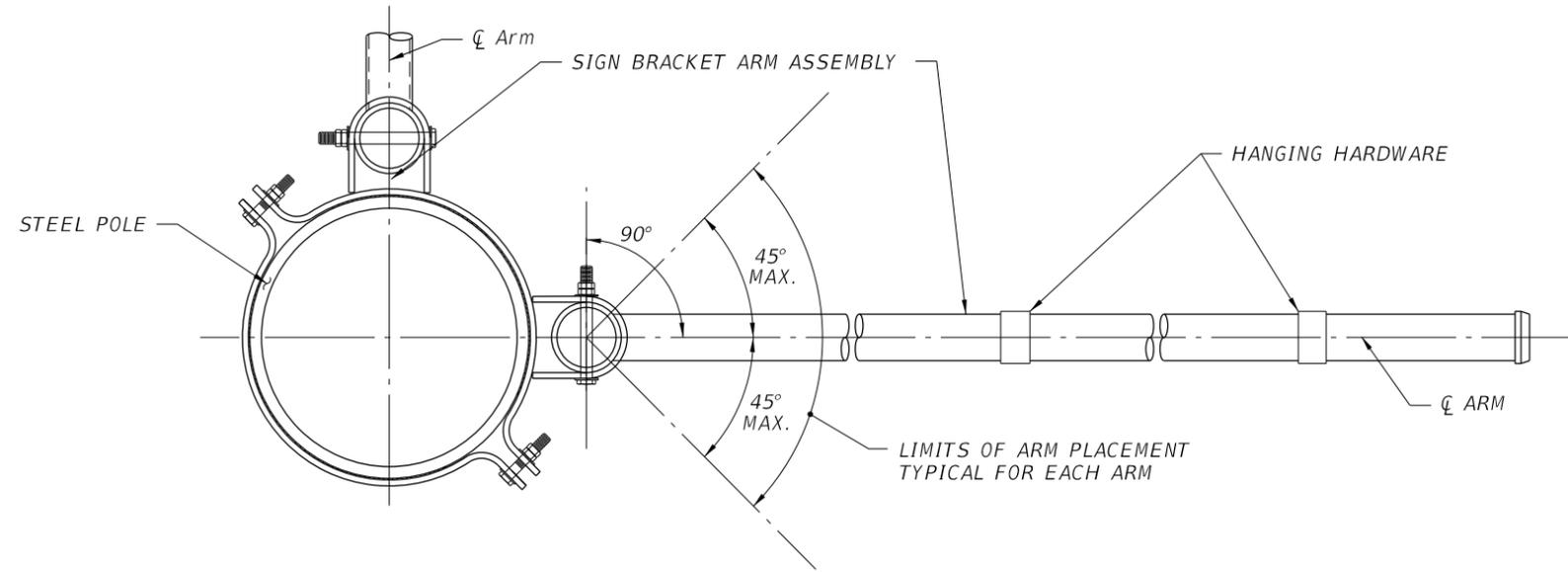
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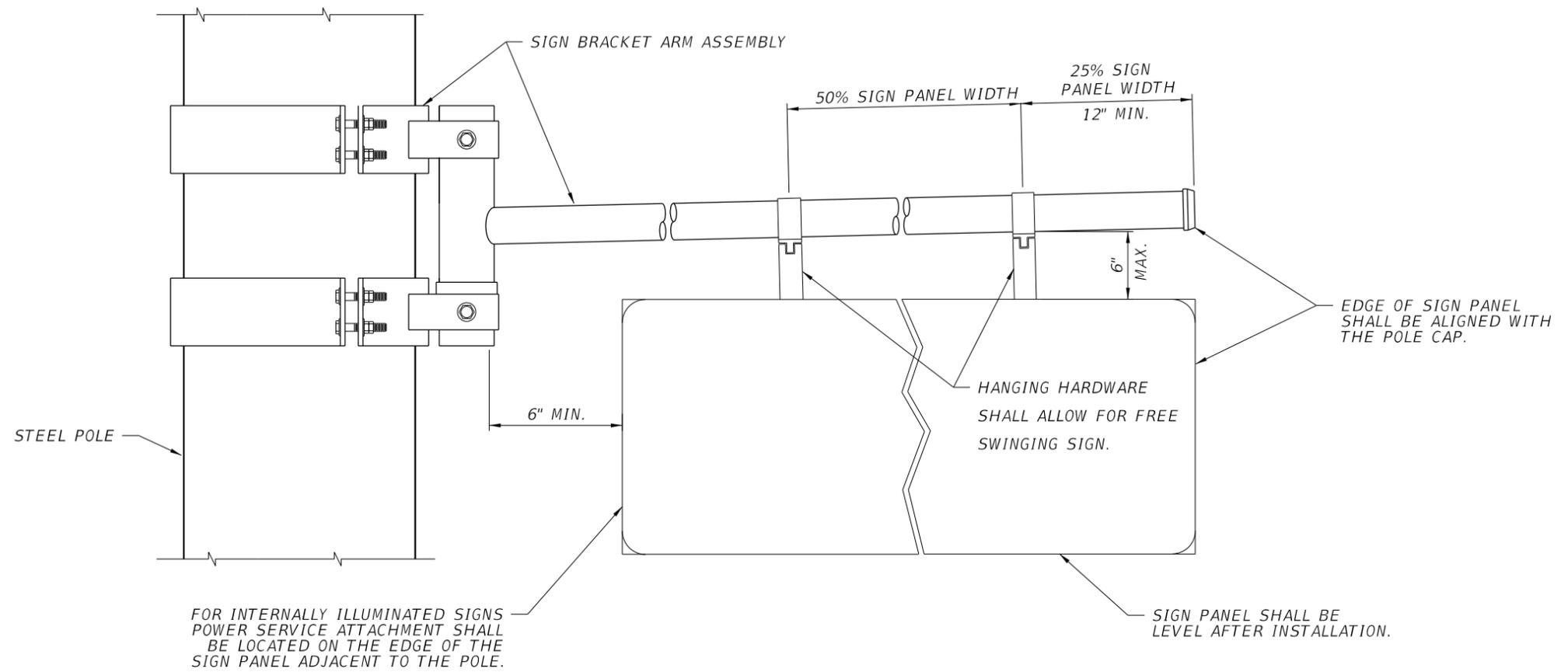
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T-10

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PLAN VIEW
STEEL STRAIN POLE



ELEVATION VIEW
STEEL STRAIN POLE

REVISIONS		
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SIGN BRACKET ARM (2 OF 2)

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SHEET NO.
T-11

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