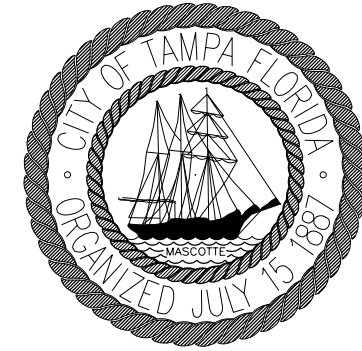


CITY OF TAMPA
DEPARTMENT OF TRANSPORTATION
AND STORMWATER

CONTRACT PLANS

CITY OF TAMPA PROJECT NO. 1000931
FDOT FINANCIAL PROJECT ID 436013-1-58-01
PLANT AVE. (NB - ONE WAY PAIR)
FROM W PLATT ST. TO SR 60/KENNEDY BLVD.



A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
4	TYPICAL SECTIONS
SQ-1 - SQ-6	SUMMARY OF QUANTITIES
5	TABULATION OF QUANTITIES PAVEMENT MARKINGS
6	TABULATION OF QUANTITIES SIGNING
7	TABULATION OF QUANTITIES SIGNALIZATION
8	PROJECT LAYOUT
9	PROJECT NOTES
10 - 12	ROADWAY PLAN
13 - 14	INTERSECTION DETAILS
15 - 16	TEMPORARY TRAFFIC CONTROL PLAN
17	SIGNING AND PAVEMENT MARKINGS PROJECT NOTES
18 - 21	PAVEMENT MARKING PLAN
22 - 24	SIGNING PLAN

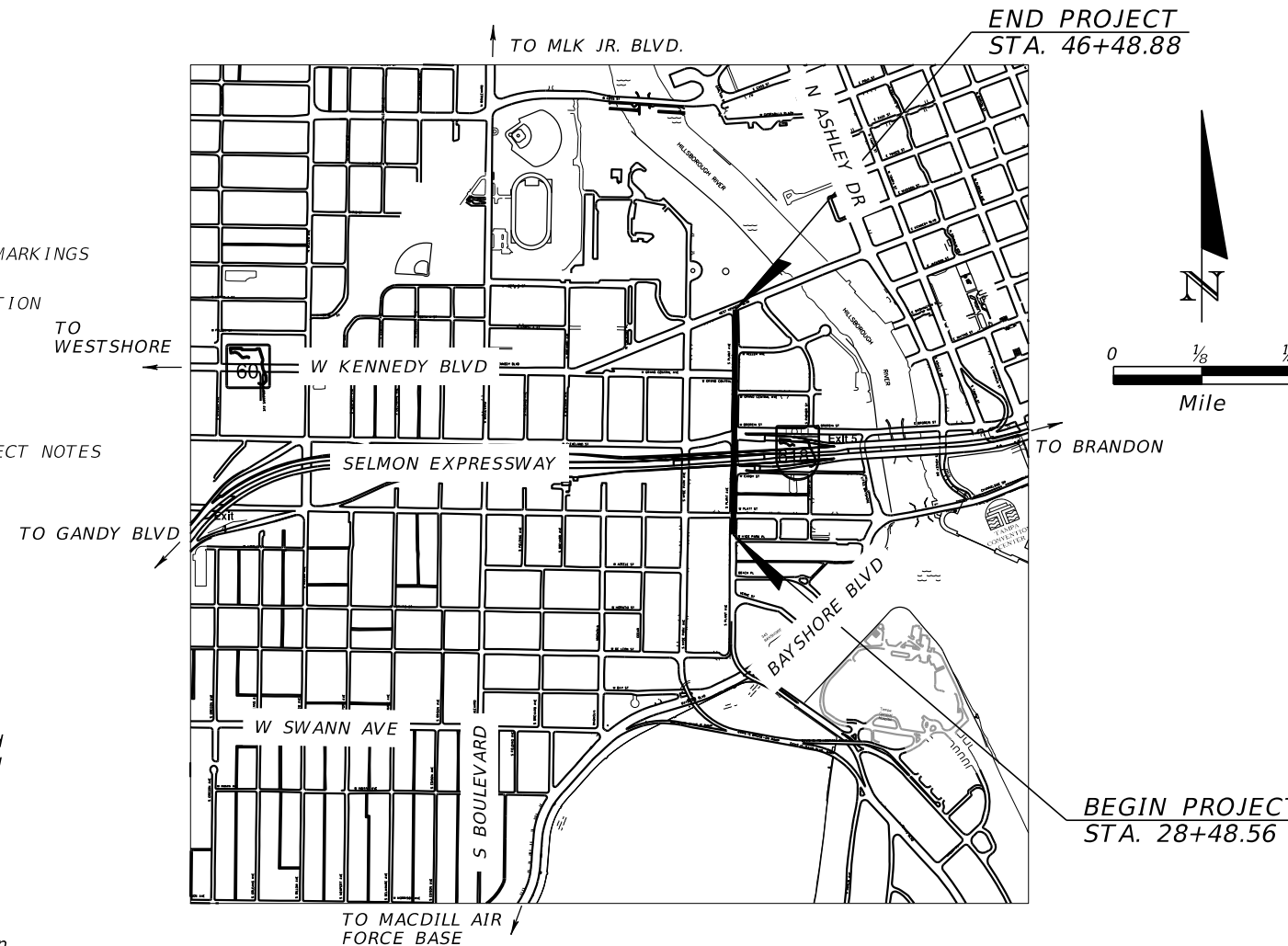
GOVERNING STANDARDS AND SPECIFICATIONS:

Florida Department of Transportation, 2016 Design Standards and revised Index Drawings as appended herein, and Divisions II and III of the Florida Department of Transportation, January 2016 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

For Design Standards click on the "Design Standards" link at the following web site:
<http://www.dot.state.fl.us/rddesign/Design Standards>

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:
<http://www.dot.state.fl.us/specificationsoffice/Standard Specifications>

For the City of Tampa Stormwater Standards, click on the "Stormwater Standard Details" link at the following web site:
<http://www.tampagov.net/stormwater/info/document-library>



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
DEREK M. GIL, P.E.
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605

PLANS PREPARED BY:
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
PHONE: 813.386.2101
TOLL FREE: 888.603.1942
FAX: 813.386.2106

VENDOR NO. 56-2565488
CERTIFICATE OF AUTHORIZATION NUMBER 26921

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

NOTE: THIS PROJECT TO BE LET TO CONTRACT
WITH FINANCIAL PROJECT ID 436013-2-58-01
AND 436013-3-58-01

PROJECT LENGTH IS BASED ON
Q CONST. FOR PLANT AVENUE

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	1800.32	0.341
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	1800.32	0.341
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	1800.32	0.341

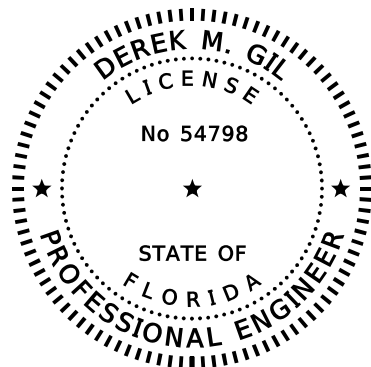
CITY PROJECT MANAGER: NINA MABILLEAU

KEY SHEET REVISIONS	
DATE	DESCRIPTION

ROADWAY PLANS
ENGINEER OF RECORD: DEREK M. GIL

P.E. NO.: 54798

FISCAL YEAR	SHEET NO.
16	1



THIS DOCUMENT HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED.
THE SIGNATURE MUST BE VERIFIED
ON THE ELECTRONIC DOCUMENTS.

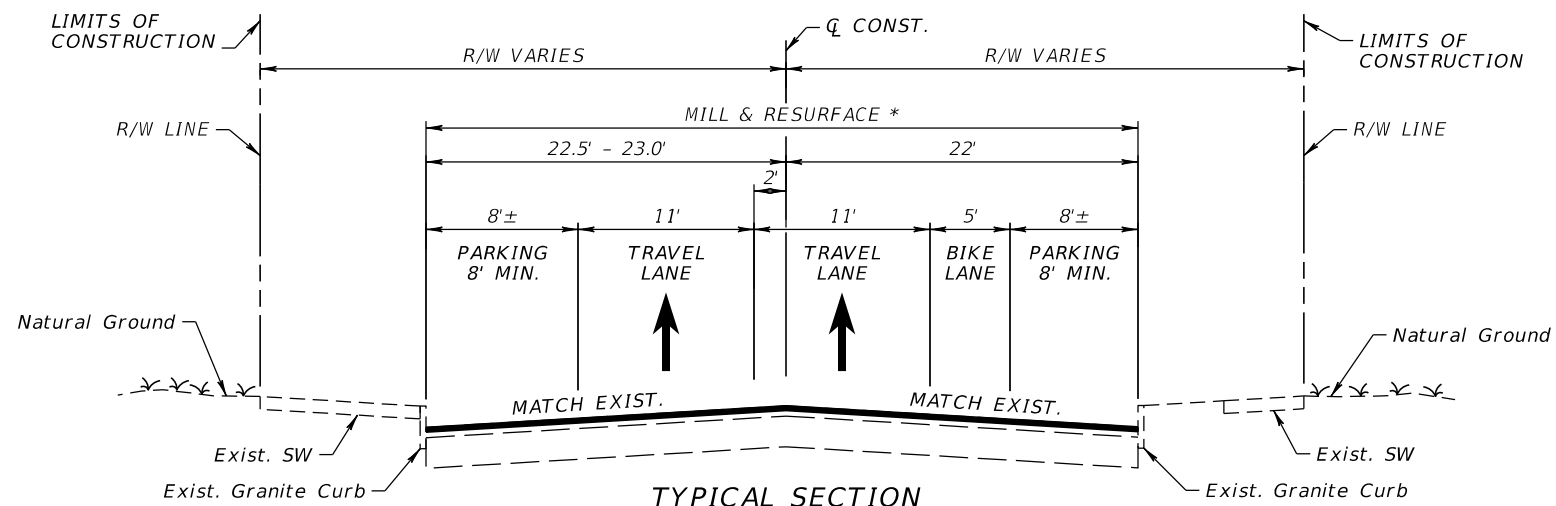
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION 26921
DEREK M. GIL, P.E. NO. 54798

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
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SQ-1 - SQ-6	SUMMARY OF QUANTITIES
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REVISIONS				ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION 26921 DEREK M. GIL, P.E. P.E. LICENSE NUMBER: 54798	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		2
					NA	HILLSBOROUGH	436013-1-58-01		



**TYPICAL SECTION
S. PLANT AVE.
STA. 29+79.49 TO STA. 36+63.72 (EXIST. BRICK)
STA. 36+63.72 TO STA. 36+99.05 (MILL & RESURFACE)
STA. 37+80.94 TO STA. 43+18.00 (MILL & RESURFACE)**

MILLING

MILL EXISTING ASPHALT PAVEMENT (1.5" AVG. DEPTH) *

INTERLAYER

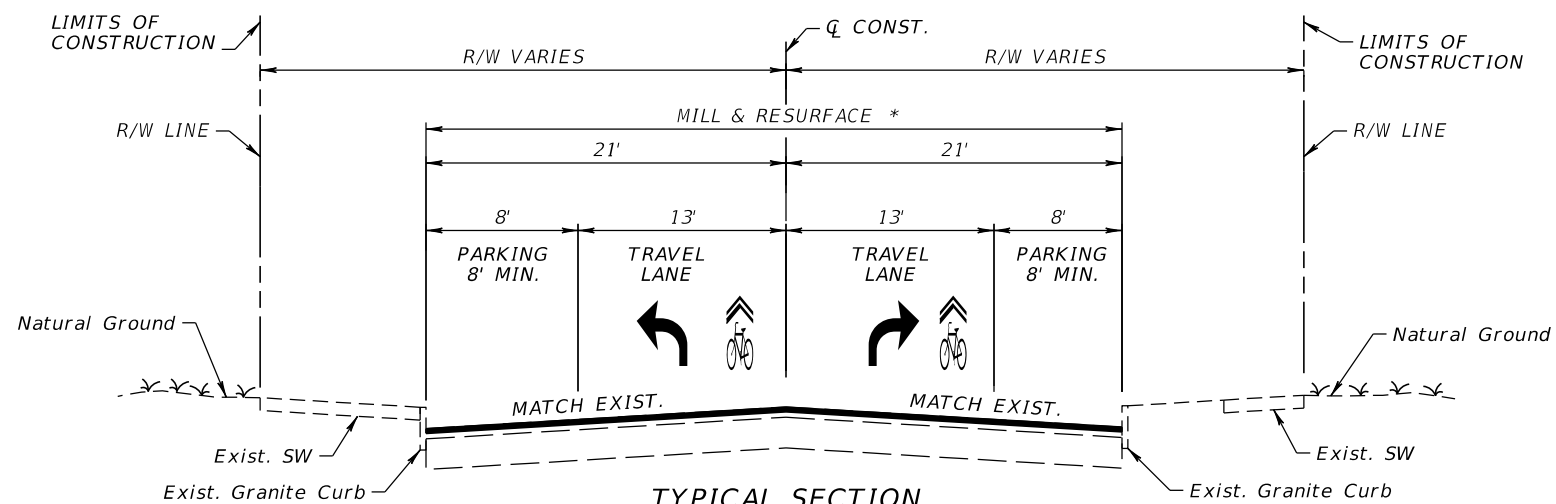
½"X½" OPEN GRID REINFORCEMENT FABRIC WITH TACK COAT

RESURFACING

TYPE SP STRUCTURAL COURSE (TYBE B) (1.5") (PG-76-22) (PMA)
AND FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (PG-76-22) (PMA)

TRAFFIC DATA

CURRENT YEAR = 2014 AADT = 5600
K = 9.0% D = 58.2% T = 7.2% (24 HOUR)
DESIGN SPEED = 30 MPH
POSTED SPEED = 30 MPH



**TYPICAL SECTION
S. PLANT AVE.
STA. 43+18.00 TO STA. 46+36.09 (MILL & RESURFACE)**

MILLING

MILL EXISTING ASPHALT PAVEMENT (1.5" AVG. DEPTH) *

INTERLAYER

½"X½" OPEN GRID REINFORCEMENT FABRIC WITH TACK COAT

RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1.5") (PG-76-22) (PMA)
AND FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (PG-76-22) (PMA)

* NOTE: THERE IS EXIST. BRICK UNDER THE PAVEMENT.
CONTRACTOR SHALL USE CAUTION WHEN MILLING
EXIST. PAVEMENT.

REVISIONS				ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION 26921 DEREK M. GIL, P.E. P.E. LICENSE NUMBER: 54798	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					NA	HILLSBOROUGH	436013-1-58-01	TYPICAL SECTIONS
								4

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

SUMMARY OF LUMP SUM ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0101-1	MOBILIZATION	1			

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE I			PHASE II			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL	P	F		
			DAYS	P	P	DAYS	P	P	P	F		
0102 1	MAINTENANCE OF TRAFFIC	LS							1		101 TOTAL CONTRACT DAYS	
0102 60	WORK ZONE SIGN	ED	14	22	308	60	21	1260	1568			
0102 74 1	CHANNELIZING DEVICE (TYPES I,II,DI,VP,DRUM, VEH. LCD)	ED	14	35	630	60	58	3480	4110			
	ADVANCED PCMS	ED	7	20								
0102 74 2	CHANNELIZING DEVICE (TYPE III - 6'')	ED				60	12	720	720			
0102 74 6	CHANNELIZING DEVICE - PEDESTRIAN LCD	ED				60	18	1080	1080			
0102 76	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	14	1	14				14			
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKERS	EA										
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN - TEMPORARY	ED	14	5	105	60	4	240	345			
	ADVANCED PCMS	ED	7	5								
0710 11101	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	GM										
0710 11102	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 8"	GM										
0710 11123	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF										
0710 11124	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF										
0710 11125	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF										
0710 11131	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP 10/30, 6"	GM										
0710 11141	PAINTED PAVT. MARKINGS, STD., WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXT., 6"	GM										
0710 11160	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA										
0710 11170	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROW	EA										
0710 11201	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	GM										
0710 11202	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 8"	GM										
0710 11224	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF										

<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					<p>ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION 26921 DEREK M. GIL, P.E. P.E. LICENSE NUMBER: 54798</p>		<p align="center">CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td align="center">NA</td> <td align="center">HILLSBOROUGH</td> <td align="center">436013-1-58-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	NA	HILLSBOROUGH	436013-1-58-01	<p align="center">SUMMARY OF QUANTITIES</p>		<p align="center">SHEET NO. SQ-1</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																						
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																							
NA	HILLSBOROUGH	436013-1-58-01																							

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SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE III			PHASE IV			TOTAL		GRAND TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL	P	F	P	F		
			DAYS	P	P	DAYS	P	P						
0102 1	MAINTENANCE OF TRAFFIC	LS									1		101 TOTAL CONTRACT DAYS	
0102 60	WORK ZONE SIGN	ED	25	23	575	2	23	46	621		2189			
0102 74 1	CHANNELIZING DEVICE (TYPES I,II,DI,VP,DRUM, VEH. LCD)	ED	25	35	875	2	35	70	945		5055			
	ADVANCED PCMS													
0102 74 2	CHANNELIZING DEVICE (TYPE III - 6'')	ED									720			
0102 74 6	CHANNELIZING DEVICE - PEDESTRIAN LCD	ED									1080			
0102 76	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	25	1	25	2	1	2	27		41			
0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKERS	EA			263				263		263			
0102 99	PORTABLE CHANGEABLE MESSAGE SIGN - TEMPORARY	ED	25	5	125	2	5	10	135		480			
	ADVANCED PCMS													
0710 11101	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	GM			0.513				0.513		0.513			
0710 11102	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 8"	GM			0.238				0.238		0.238			
0710 11123	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF			694				694		694			
0710 11124	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF			724				724		724			
0710 11125	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF			641				641		641			
0710 11131	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP 10/30, 6"	GM			0.159				0.159		0.159			
0710 11141	PAINTED PAVT. MARKINGS, STD., WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXT., 6"	GM			0.252				0.252		0.252			
0710 11160	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA			20				20		20			
0710 11170	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROW	EA			26				26		26			
0710 11201	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	GM			0.088				0.088		0.088			
0710 11202	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 8"	GM			0.095				0.095		0.095			
0710 11224	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF			319				319		319			

SUMMARY OF REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
						AREA (AC)	P	F	P	F		
0110 1 1	CLEARING & GRUBBING	31+16.00 TO 31+44.17	RT.	26368	LS	0.017	1.0		1		0.09 AC	
		37+61.40 TO 37+90.40	LT.	23332		0.005						
		41+20.53 TO 41+45.41	LT.	19528		0.011						
		41+77.40 TO 42+16.84	LT.	19562		0.016						
		42+95.60 TO 43+40.12	RT.	19681		0.023						
		43+05.90 TO 43+28.42	LT.	19639		0.006						
		45+84.66 TO 46+48.88	RT.	26282		0.015						

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REVISIONS																						
DATE	DESCRIPTION	DATE	DESCRIPTION																			

SUMMARY OF QUANTITIES

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

SUMMARY OF UTILITY ADJUSTMENTS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STATION	SIDE	UNIT	QUANTITY		TOTAL		CONSTRUCTION REMARKS
					P	F	P	F	
0425 5 1	Manhole, Adjust, Utility	38+22.00	LT.	EA	1		20		
		39+71.00	LT.		1				
		40+13.00	RT.		1				
		40+19.00	RT.		1				
		40+19.00	LT.		1				
		40+25.00	RT.		1				
		41+40.00	LT.		1				
		41+51.00	LT.		1				
		41+76.00	RT.		1				
		41+77.00	LT.		1				
		42+05.00	RT.		1				
		43+18.00	RT.		1				
		43+22.00	RT.		1				
		43+29.00	RT.		1				
		43+29.00	RT.		1				
		44+65.00	LT.		1				
		44+79.00	RT.		1				
		44+82.00	LT.		1				
44+92.00	LT.		1						
44+98.00	LT.		1						
0425 6	Valve Box, Adjust	31+26.00	RT.	EA	1		15		
		31+35.00	RT.		1				
		31+37.00	RT.		1				
		37+85.00	RT.		1				
		41+19.00	LT.		1				
		41+26.00	LT.		1				
		41+27.00	LT.		1				
		41+28.00	LT.		1				
		41+63.00	LT.		1				
		42+96.00	LT.		1				
		43+38.00	RT.		1				
		44+76.00	LT.		1				
		45+32.00	RT.		1				
46+24.00	RT.		1						
46+26.00	RT.		1						

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REVISIONS																						
DATE	DESCRIPTION	DATE	DESCRIPTION																			
ROAD NO. NA		COUNTY HILLSBOROUGH		FINANCIAL PROJECT ID 436013-1-58-01																		

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SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	UNIT	QUANTITY				TOTAL		CONSTRUCTION REMARKS	
					GROSS LENGTH	DEDUCTIONS		NET LENGTH		P		F
						TYPE	LENGTH	P	F			
0520 2 4	CONCRETE CURB, TYPE D	31+16.00 TO 31+16.00	RT.	LF	18.8			18.8	578			
		31+16.00 TO 31+17.52	RT.		8.8			8.8				
		31+16.00 TO 31+19.00	RT.		4.7			4.7				
		31+17.52 TO 31+20.48	RT.		4.2			4.2				
		31+19.00 TO 31+27.55	RT.		8.6			8.6				
		31+20.48 TO 31+25.82	RT.		5.3			5.3				
		31+27.55 TO 31+29.11	RT.		1.6			1.6				
		31+29.11 TO 31+42.73	RT.		15.9			15.9				
		31+42.73 TO 31+44.17	RT.		3.1			3.1				
		31+44.17 TO 31+44.17	RT.		1.6			1.6				
		37+61.40 TO 37+90.40	LT.		39.3			39.3				
		41+20.53 TO 41+45.41	LT.		68.7			68.7				
		41+77.40 TO 41+77.41	LT.		15.7			15.7				
		41+77.40 TO 41+80.40	LT.		4.7			4.7				
		41+77.41 TO 41+80.41	LT.		4.7			4.7				
		41+80.40 TO 41+91.31	LT.		10.9			10.9				
		41+80.41 TO 41+93.07	LT.		12.7			12.7				
		41+93.07 TO 42+08.38	LT.		17.4			17.4				
		42+08.38 TO 42+16.84	LT.		13.1			13.1				
		42+39.38 TO 42+42.12	LT.		12.4			12.4				
		42+81.03 TO 42+84.08	LT.		12.0			12.0				
		42+95.62 TO 42+99.97	RT.		4.4			4.4				
		42+99.90 TO 42+99.90	RT.		0.2			0.2				
		42+99.90 TO 43+02.90	RT.		4.7			4.7				
		42+99.90 TO 43+02.90	RT.		4.7			4.7				
		42+99.97 TO 43+02.90	RT.		2.9			2.9				
		43+02.90 TO 43+22.30	RT.		19.4			19.4				
		43+05.90 TO 43+16.79	LT.		15.1			15.1				
		43+11.96 TO 43+12.77	LT.		2.2			2.2				
		43+11.96 TO 43+24.18	LT.		14.3			14.3				
		43+12.77 TO 43+16.79	LT.		4.0			4.0				
		43+22.30 TO 43+23.91	RT.		1.7			1.7				
		43+23.91 TO 43+31.20	RT.		9.6			9.6				
		43+24.18 TO 43+25.09	LT.		0.9			0.9				
		43+25.09 TO 43+26.58	LT.		1.9			1.9				
		43+26.58 TO 43+28.37	LT.		6.6			6.6				
		43+30.08 TO 43+39.72	LT.		9.7			9.7				
		43+30.55 TO 43+30.55	RT.		11.7			11.7				
		43+31.20 TO 43+36.69	RT.		9.9			9.9				
		43+32.55 TO 43+36.14	RT.		5.3			5.3				
		43+36.14 TO 43+37.71	RT.		1.6			1.6				
		43+36.69 TO 43+40.12	RT.		15.6			15.6				
		43+37.71 TO 43+40.12	RT.		4.1			4.1				
		45+84.65 TO 46+01.52	RT.		16.9			16.9				
		45+91.63 TO 46+08.52	LT.		30.3			30.3				
		46+01.52 TO 46+01.52	RT.		3.7			3.7				
		46+01.52 TO 46+03.52	RT.		3.1			3.1				
		46+03.52 TO 46+24.34	RT.		20.8			20.8				
		46+16.52 TO 46+23.02	LT.		37.3			37.3				
		46+24.34 TO 46+24.91	RT.		0.6			0.6				

<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					<p>ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION 26921 DEREK M. GIL, P.E. P.E. LICENSE NUMBER: 54798</p>		<p align="center">CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>NA</td> <td>HILLSBOROUGH</td> <td>436013-1-58-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	NA	HILLSBOROUGH	436013-1-58-01	<p align="center">SUMMARY OF QUANTITIES</p>		<p align="center">SHEET NO. SQ-5</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																						
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																							
NA	HILLSBOROUGH	436013-1-58-01																							

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

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	UNIT	QUANTITY				TOTAL		CONSTRUCTION REMARKS	
					GROSS LENGTH	DEDUCTIONS		NET LENGTH		P		F
						TYPE	LENGTH	P	F			
0520 2 4	CONCRETE CURB, TYPE D (CONT'D)	46+24.91 TO 46+26.86	RT.	LF	3.1			3.1				
		46+26.86 TO 46+26.86	RT.		3.7			3.7				
		46+31.46 TO 46+37.65	RT.		6.2			6.2				
		46+37.65 TO 46+47.07	RT.		12.3			12.3				
		46+47.07 TO 46+48.88	RT.		5.4			5.4				

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS

LOCATION STA. TO STA.	SIDE	AREA ID	CONC SIDEWALK 4"		DETECTABLE WARNINGS		CONSTRUCTION REMARKS		
			0522 1	0527 2	0527 2				
			SY		SF				
			P	F	P	F			
31+16.67 TO 31+43.50	RT.	26348	75.6						
37+62.15 TO 37+89.65	LT.	23407	21.5						
41+20.53 TO 41+44.74	LT.	18953	47.0						
41+78.07 TO 42+16.32	LT.	18969	69.3						
42+40.90 TO 42+49.54	LT.	23399	9.9						
42+72.83 TO 42+82.82	LT.	23392	7.4						
42+95.60 TO 43+30.55	RT.	19011	42.8						
43+00.57 TO 43+39.45	RT.	19019	53.2						
43+02.90 TO 43+32.55	RT.	19068	8.8				CHANNEL		
43+06.63 TO 43+28.42	LT.	18993	16.0						
43+16.79 TO 43+28.42	LT.	19003	5.2				CHANNEL		
43+16.79 TO 43+28.42	LT.	19747	2.6						
43+29.42 TO 43+39.75	LT.	18999	8.4						
45+84.66 TO 46+48.26	RT.	26040	66.7				INCLUDES CHANNEL		
46+17.19 TO 46+22.40	LT.	19052	5.4						
31+16.79 TO 31+18.79	RT.	18766			8.0				
31+30.20 TO 31+34.20	RT.	11951			8.0				
37+73.90 TO 37+77.90	LT.	21563			8.0				
41+26.12 TO 41+30.12	LT.	11961			8.0				
41+42.74 TO 41+44.74	LT.	11966			8.0				
41+78.07 TO 41+80.07	LT.	17980			8.0				
42+07.33 TO 42+09.33	LT.	17985			8.0				
42+38.66 TO 42+40.66	LT.	18161			8.0				
42+82.49 TO 42+84.49	LT.	18040			8.0				
43+10.79 TO 43+12.79	LT.	17990			8.0				
43+21.53 TO 43+25.53	LT.	17995			8.0				
43+21.53 TO 43+25.53	RT.	18482			8.0				
43+33.89 TO 43+36.09	RT.	12006			8.0				
46+10.52 TO 46+14.52	RT.	20755			8.0				
SUB-TOTAL:			439.8		112.0				
TOTAL:			440		112				

PAY ITEM NOTE
 0522 1 INCLUDES ALL WORK FOR REGRADING / RESETTNG OF BRICK
 INCLUDES ALL WORK AND MATERIALS FOR OPEN CHANNELS AND GRATING

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	PERFORMANCE TURF (SOD)		CONSTRUCTION REMARKS
			0570 1	2	
			SY		
			P	F	
43+12.50 TO 43+21.03	LT.	19465	3.9		
45+92.30 TO 46+07.85	LT.	19454	10.2		
SUB-TOTAL:			14.1		
TOTAL:			14		

REVISIONS DATE DESCRIPTION DATE DESCRIPTION				ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION 26921 DEREK M. GIL, P.E. P.E. LICENSE NUMBER: 54798	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO. SQ-6
ROAD NO.		COUNTY	FINANCIAL PROJECT ID					
NA		HILLSBOROUGH	436013-1-58-01		SUMMARY OF QUANTITIES			

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

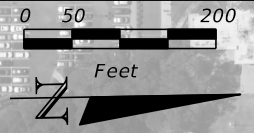
TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL		
			18		19		20		21										
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
0710 90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																	
*	REFLECTIVE PAVEMENT MARKERS	EA	14		93		88		68								263		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	GM	0.025		0.198		0.142		0.148								0.513		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 8"	GM	0.013		0.048		0.078		0.112								0.251		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF			151		357		216								724		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF					55		13								68		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP 10/30, 6"	GM			0.046		0.061		0.052								0.159		
*	PAINTED PAVEMENT MARKINGS, STD., WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXT., 6"	GM	0.010		0.077		0.124		0.041								0.252		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROW	EA			9		3		6								18		
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	GM			0.064		0.014		0.010								0.088		
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 8"	GM			0.031		0.034		0.017								0.082		
*	PAINTED PAVEMENT MARKINGS, STD., YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	46		88		118		67								319		
*	PAINTED PAVEMENT MARKINGS, STD., BLUE, SOLID, 6"	LF							196								196		
0711 11124	THERMOPLASTIC, WHITE, SOLID FOR DIAGONALS AND CHEVRONS, 18"	LF			151		357		216								724		724
0711 11125	THERMOPLASTIC, WHITE, SOLID FOR STOP BARS, 24"	LF					55		13								68		68
0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDE LINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.010		0.077		0.124		0.041								0.252		0.252
0711 11160	THERMOPLASTIC, MESSAGE OR SYMBOL	EA															8		8
	THERMOPLASTIC, MESSAGE OR SYMBOL, ONLY	EA							4										
	THERMOPLASTIC, MESSAGE OR SYMBOL, HANDICAP SYMBOL - 5'	EA							4										
0711 11170	THERMOPLASTIC, ARROWS	EA															18		18
	THERMOPLASTIC, ARROWS, THRU	EA			3		1												
	THERMOPLASTIC, ARROWS, RIGHT	EA			4				3										
	THERMOPLASTIC, ARROWS, LEFT	EA			1		1		3										
	THERMOPLASTIC, ARROWS, LEFT THRU	EA			1		1												
0711 11224	THERMOPLASTIC, YELLOW, SOLID FOR DIAGONALS AND CHEVRONS, 18"	LF	46		88		118		67								319		319
0711 11421	THERMOPLASTIC, BLUE, SOLID, 6"	LF							196								196		196
0711 14123	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 12"	LF			157		210		327								694		694
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF			128		192		253								573		573
0711 14160	THERMOPLASTIC, PREFORMED, MESSAGE	EA															12		12
	THERMOPLASTIC, PREFORMED, MESSAGE, BIKE SYMBOL	EA			3		4		1										
	THERMOPLASTIC, PREFORMED, MESSAGE, SHARROW	EA							4										
0711 14170	THERMOPLASTIC, PREFORMED, ARROWS (BIKE THRU ARROW)	EA			3		4		1								8		8
0711 16101	THERMOPLASTIC, STD - OTHER SURFACES, WHITE, SOLID, 6"	GM	0.025		0.198		0.142		0.148								0.513		0.513
0711 16102	THERMOPLASTIC, STD - OTHER SURFACES, WHITE, SOLID, 8"	GM			0.048		0.078		0.112								0.238		0.238
0711 16131	THERMOPLASTIC, STD - OTHER SURFACES, WHITE, SKIP/DOTTED, 6"	GM			0.046		0.061		0.052								0.159		0.159
0711 16201	THERMOPLASTIC, STD - OTHER SURFACES, YELLOW, SOLID, 6"	GM			0.064		0.014		0.010								0.088		0.088
0711 16202	THERMOPLASTIC, STD - OTHER SURFACES, YELLOW, SOLID, 8"	GM	0.013		0.031		0.034		0.017								0.095		0.095
0711 17	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS	SF	136		1380		787		154								2457		2457

NOTE (*) 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.

REVISIONS				ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION 26921 DEREK M. GIL, P.E. P.E. LICENSE NUMBER: 54798	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TABULATION OF QUANTITIES PAVEMENT MARKINGS	SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					NA	HILLSBOROUGH	436013-1-58-01		

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CURVE AND COORDINATE DATA TABLE

CURVE /PI NO	ALIGNMENT	PC			PI			PT			Δ	D	T	L	R	BACK BEARING	AHEAD BEARING	e	DESIGN SPEED
		STATION	NORTHING	EASTING	STATION	NORTHING	EASTING	STATION	NORTHING	EASTING									
	PLANT																		
	Q CONST.																		
20					27+00.00	1,311,372.8322	506,740.4059												
21					43+97.97	1,313,070.6003	506,766.4596								N 0° 52' 45" E	N 1° 14' 08" W			
22					46+96.21	1,313,368.7719	506,760.0292								N 1° 14' 08" W				

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION			ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION 26921 DEREK M. GIL, P.E. P.E. LICENSE NUMBER: 54798			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			<p align="center">PROJECT LAYOUT</p>			SHEET NO. <p align="center">8</p>
REVISIONS																			
DATE	DESCRIPTION																		
		ROAD NO. <p align="center">NA</p>	COUNTY <p align="center">HILLSBOROUGH</p>	FINANCIAL PROJECT ID <p align="center">436013-1-58-01</p>															

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PROJECT NOTES

1. THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT PEDESTRIAN AND BICYCLE IMPROVEMENTS ALONG PLANT AVE. BETWEEN PLATT ST. AND KENNEDY BLVD. THE IMPROVEMENTS WILL INCLUDE PEDESTRIAN RAMP BULB OUTS, BIKE LANES, AND HIGH EMPHASIS PAVEMENT MARKINGS. RETROREFLECTIVE BACKPLATES SHALL BE INSTALLED AT ALL SIGNALIZED INTERSECTIONS. SKIP MARKINGS AND AN OVERHEAD LANE USE SIGN SHALL BE CONSTRUCTED FOR THE OFF-RAMP FROM THE SELMON EXPRESSWAY ONTO CLEVELAND ST./ BROREIN ST. LIMITED SURVEY HAS BEEN PERFORMED IN PREPARATION TO THESE PLANS. EXIST. R/W LINES SHOWN ARE PROVIDED BY THE CITY OF TAMPA SURVEY DEPARTMENT. ALL FEATURES SHOWN ARE APPROXIMATE AND MUST BE FIELD VERIFIED AT TIME OF CONSTRUCTION.
2. CITY OF TAMPA STANDARD DRAWINGS ARE AVAILABLE AT THE CITY MUNICIPAL OFFICE BUILDING, 306 E. JACKSON STREET, 5TH FLOOR, NORTH WING.
3. BENCHMARK ELEVATIONS SHOWN ON THE PLANS DEPICT THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
4. ANY U.S.C. & G.S. MONUMENT WITHIN LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND:
DIRECTOR, NATIONAL GEODETIC SURVEY
1315 EAST WEST HIGHWAY
SILVER SPRING, MARYLAND 20910-2382
PHONE: (301) 713-3242
5. STATIONS AND OFFSETS FOR INLETS AND MANHOLES REFER TO THE CENTERPOINT OF THE STRUCTURE. CURB INLETS SHALL BE POSITIONED LONGITUDINALLY ACCORDING TO STATIONING GIVEN AND Laterally according to the appropriate standard, unless noted otherwise. CURB INLET TOP AND THROAT ELEVATIONS SHALL BE BASED ON THE EDGE-OF-PAVEMENT ELEVATION (GIVEN OR CALCULATED) AND THE APPROPRIATE STANDARD. INLET THROAT ELEVATIONS TO BE DETERMINED BY THE CONTRACTOR FROM THE EDGE-OF-PAVEMENT ELEVATION.
6. ALL CURB RADII, P.I., P.C., AND P.T. REFER TO THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
7. ALL RCP'S SHALL BE CONSTRUCTED WITHOUT LIFT-HOLES AND SHALL BE CLASS III UNLESS NOTED OTHERWISE IN THE PLANS.
8. EXISTING SIDEWALK WITHIN THE ROADWAY R/W SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.
9. EXISTING DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.
10. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO REMAIN UNLESS OTHERWISE SHOWN IN THE PLANS.
11. ALL TREES LOCATED WITHIN THE LIMITS OF CONSTRUCTION ARE TO REMAIN UNLESS OTHERWISE INDICATED IN THE PLANS.
12. THE COST OF SAW-CUTTING SHALL BE INCIDENTAL TO THE WORK BEING PERFORMED.
13. ALL SIDEWALK RAMPS SHALL BE BUILT PER THE LATEST FDOT STANDARD INDEX AND COMPLY WITH AMERICANS WITH DISABILITIES ACT (ADA) AT THE TIME OF BID. ALL SIDEWALK RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT COMPLY TO THE LATEST FDOT STANDARD INDEX.
14. ALL EXISTING SIDEWALK AND CURB TO BE REMOVED SHALL BE REMOVED TO THE NEAREST JOINT AND REPLACED AS NOTED IN THE PLANS.
15. ALL PROPOSED SIDEWALK AND CURB SHALL MATCH EXISTING ELEVATIONS UNLESS OTHERWISE NOTED. LOCATIONS WITH ELEVATION LABELS SHOWING "+/-" ARE INTENDED TO SHOW THE APPROXIMATE EXISTING ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THERE IS A SIGNIFICANT DIFFERENCE IN PLAN VERSUS FIELD ELEVATIONS.
16. CLEARING & GRUBBING IS NEEDED ONLY AT LOCATIONS OF PROPOSED PEDESTRIAN BULB-OUTS.
17. EXISTING GRASSED AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SODDED, NOT SEEDED OR MULCHED.
18. THE VOLTAGE OF THE OVERHEAD ELECTRIC LINES IS SHOWN IN THE ROADWAY PLANS.

19. ALL REMOVED BRICKS AND GRANITE CURB SHALL BE STOCKPILED AND DELIVERED TO A LOCATION OF THE CITY'S CHOOSING. CONTACT Henry Fain (813-622-1976) (Henry.Fain@tampagov.net) (3802 E. 26th Avenue |Tampa, FL, 33605) OR Ghoonesh Ramdial (813-622-1951) (Ghoonesh.Ramdial@tampagov.net) (3802 E. 26th Avenue |Tampa FL, 33605) FOR LOCATION.

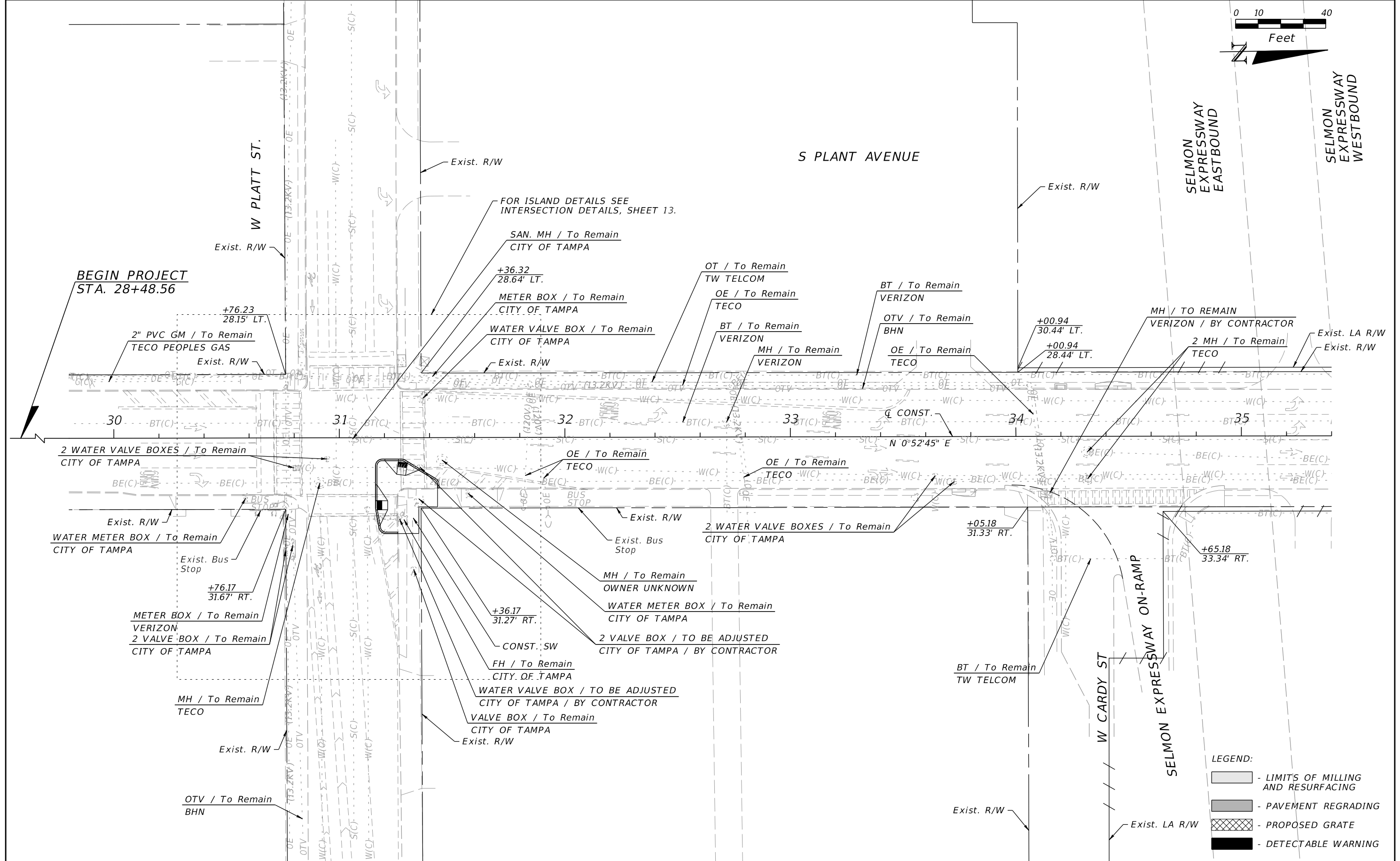
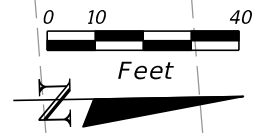
UTILITY ADJUSTMENT NOTES

1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh and Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS / ELEVATIONS APPLY ONLY AT THE POINT SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
2. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF THE EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF THE PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT.
3. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED. EXISTING UTILITY MANHOLES OR VALVE COVERS NOTED "TO BE ADJUSTED" SHALL BE ADJUSTED IN ELEVATION AND/OR CROSS SLOPE AS NECESSARY TO CONFORM TO THE FINISHED GRADE USING ADJUSTING RINGS. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY OWNERS FOR DELIVERY OF THE ADJUSTMENT RINGS. UTILITY WORK SHOWN IN THE PLANS TO BE ADJUSTED OR REMOVED "BY OTHERS" ARE THE RESPONSIBILITY OF THE UTILITY OWNER.
4. CITY OF TAMPA DOES NOT CERTIFY THE LOCATION OR EXISTENCE OF ANY UNDERGROUND UTILITIES, NOR AS TO THE SOIL OR GROUND CONDITIONS, AND ASSUMES NO LIABILITY FOR SUCH. THE CONTRACTOR MUST VERIFY ALL EXISTING UNDERGROUND UTILITIES AS TO THEIR LOCATION AND ELEVATION PRIOR TO COMMENCEMENT OF WORK.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OF THE COORDINATION OF CONSTRUCTION SCHEDULING BETWEEN THE CONTRACTOR & ALL UTILITY AGENCIES. NOTE: THIS INCLUDES MEETING WITH UTILITY AGENCIES PRIOR TO THE PRE-CONSTRUCTION CONFERENCE TO ADJUST THEIR SCHEDULES TO COINCIDE WITH THE CONTRACTORS CONSTRUCTION SCHEDULE. (REFERENCE CONTRACT DOCUMENTS.)

UTILITY OWNERS:

BRIGHT HOUSE NETWORKS (BHN) RANDY LYLE 813-684-6100, EXT. 32143 4145 S FALKENBURG RD RIVERVIEW, FL 33578	LEVEL 3 COMMUNICATIONS, LLC. (LEVEL3) NETWORK RELATIONS 877-366-8344, EXT. 2 1025 ELDORADO BLVD. BROOMFIELD, CO 80021
CITY OF TAMPA SEWER JACK FERRAS 813-274-8095 306 E. JACKSON ST. TAMPA, FL 33602	TAMPA ELECTRIC COMPANY (TECO) & TECO FIBER OPTIC RONNIE ALEXANDER 813-275-3037 P.O. BOX 111 TAMPA, FL 33601
CITY OF TAMPA TRANSPORTATION VIK Bhide 813-274-8105 1104 E. TWIGGS SUITE 200 TAMPA, FL 33602	TECO PEOPLES GAS - TAMPA LUIS CASTELLANO 813-275-3743 1400 CHANNELSIDE DR. TAMPA, FL 33605
CITY OF TAMPA WATER JANICE DAVIS 813-274-7096 306 E. JACKSON ST. MC:400-A5E TAMPA, FL 33602	TW TELECOM - TAMPA JAMES MCVEIGH 813-316-7763 3030 N ROCKY POINT DR W, STE 850 TAMPA, FL 33607
FIBERLIGHT, LLC. TIM GREEN 813-877-7183 4023 N. ARMENIA AVE. SUITE 200 TAMPA, FL 33602	VERIZON FLORIDA, INC. (VERIZON) DAVID WYNNS 813-627-8343 7701 E. TELECOM PKWY TEMPLE TERRACE, FL 33637
MCI VERIZON FLORIDA, INC 972-729-6322 1909 US HIGHWAY 301 N BLDG D TAMPA, FL 33619	XO COMMUNICATIONS (XO) JEFF SBROCCO 813-301-4047 5904-A HAMPTON OAKS PARKWAY TAMPA, FL 33610

REVISIONS				ELEMNT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION 26921 DEREK M. GIL, P.E. P.E. LICENSE NUMBER: 54798	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			PROJECT NOTES	SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					NA	HILLSBOROUGH	436013-1-58-01		



REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

ELEMENT ENGINEERING GROUP
 1713 E. 9th AVENUE
 TAMPA, FL 33605
 CERTIFICATE OF AUTHORIZATION 26921
 DEREK M. GIL, P.E.
 P.E. LICENSE NUMBER: 54798

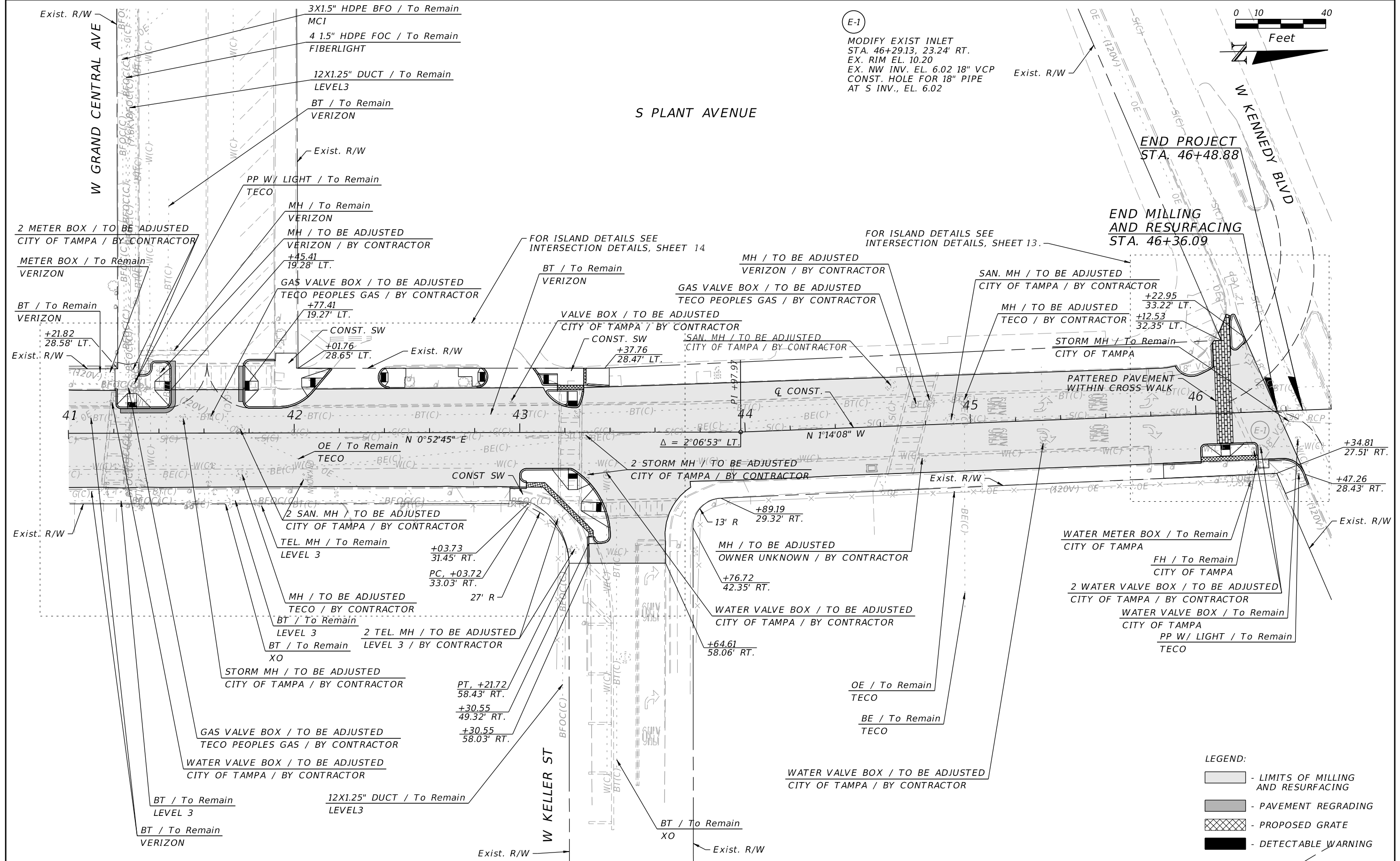
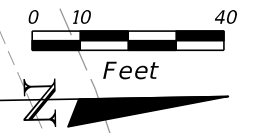
CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NA	HILLSBOROUGH	436013-1-58-01

ROADWAY PLAN

SHEET NO.
10

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(E-1)
 MODIFY EXIST INLET
 STA. 46+29.13, 23.24' RT.
 EX. RIM EL. 10.20
 EX. NW INV. EL. 6.02 18" VCP
 CONST. HOLE FOR 18" PIPE
 AT S INV., EL. 6.02



END PROJECT
 STA. 46+48.88

END MILLING
 AND RESURFACING
 STA. 46+36.09

- LEGEND:
- LIMITS OF MILLING AND RESURFACING
 - PAVEMENT REGRADE
 - PROPOSED GRATE
 - DETECTABLE WARNING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

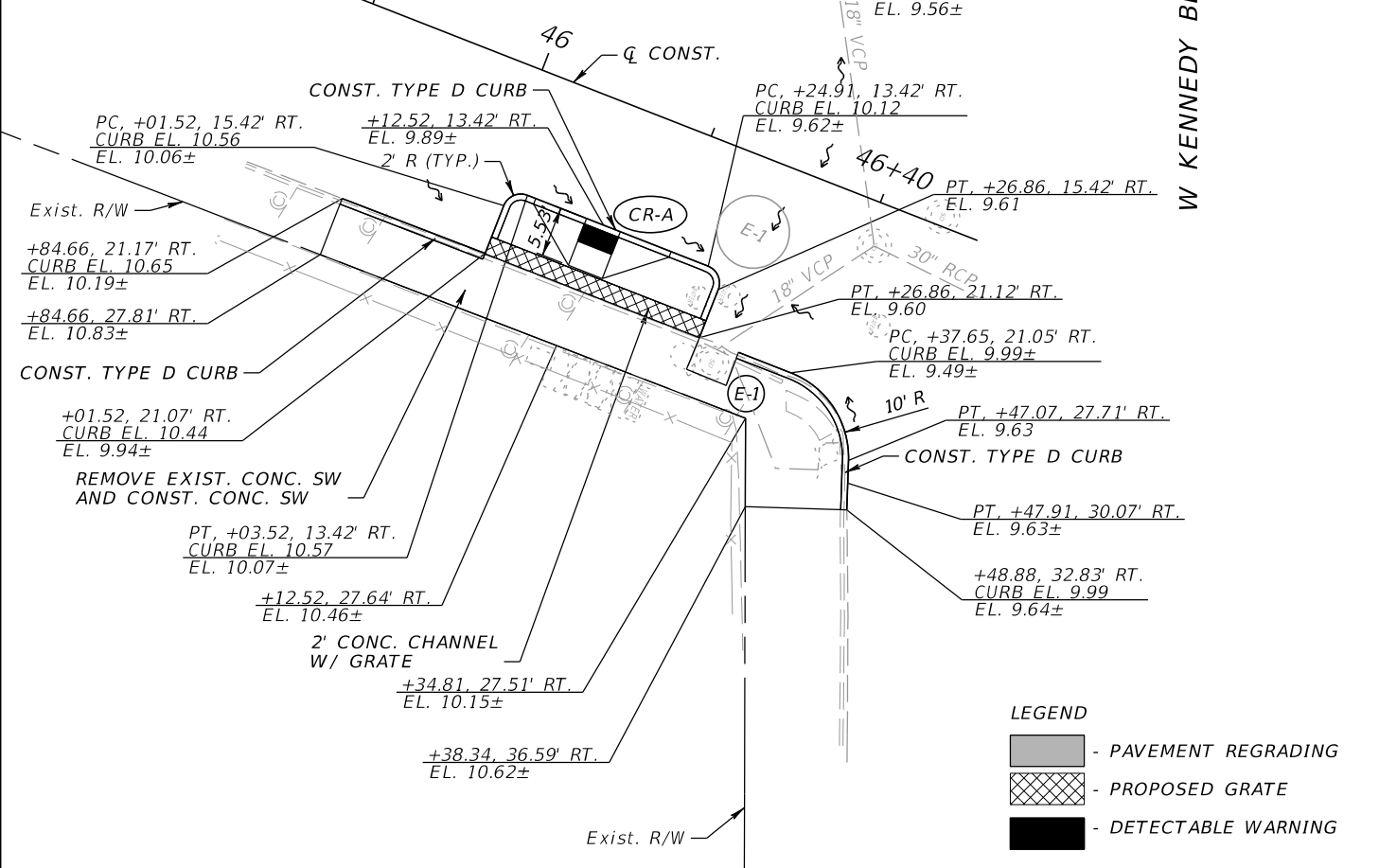
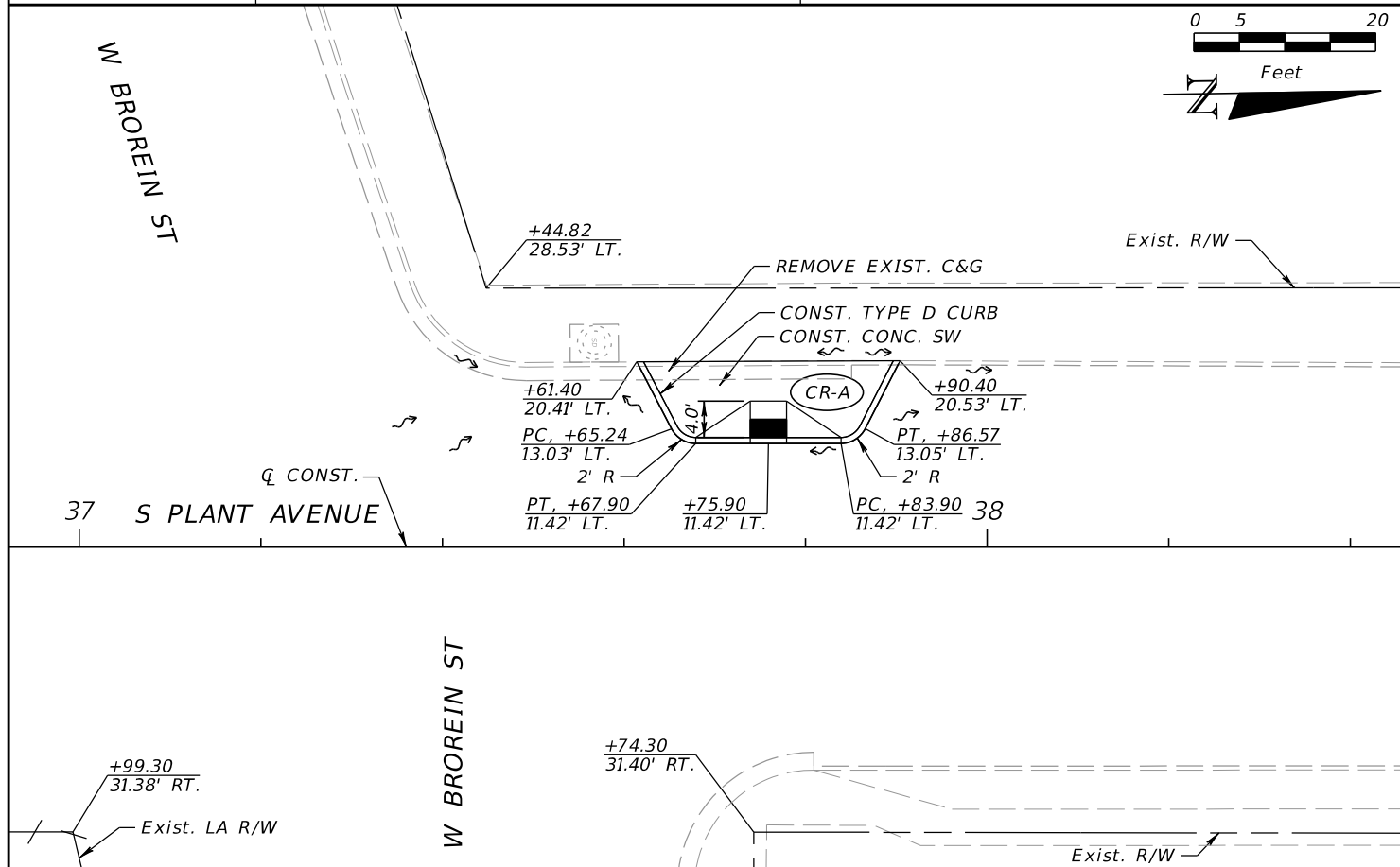
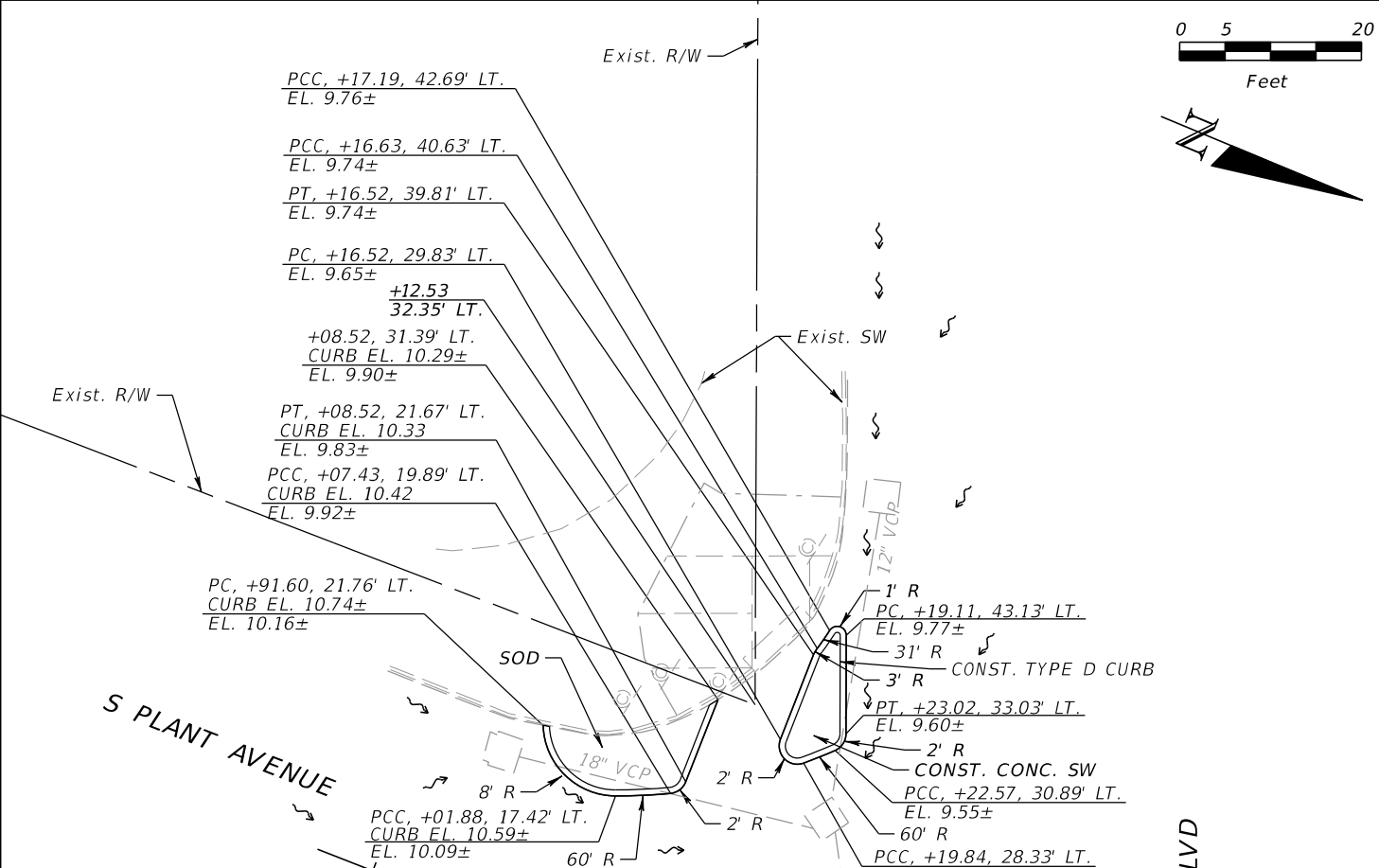
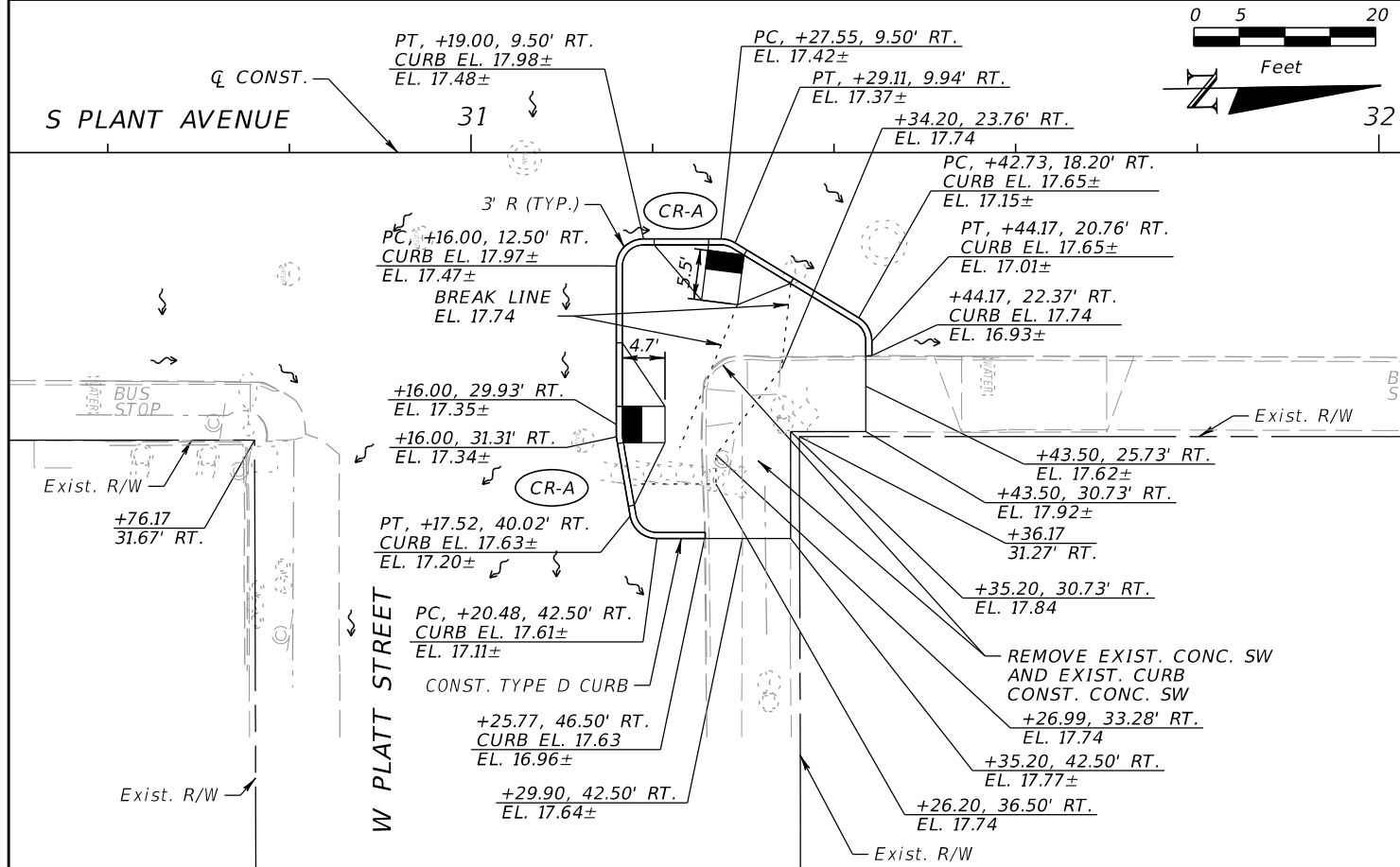
ELEMENT ENGINEERING GROUP
 1713 E. 9th AVENUE
 TAMPA, FL 33605
 CERTIFICATE OF AUTHORIZATION 26921
 DEREK M. GIL, P.E.
 P.E. LICENSE NUMBER: 54798

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NA	HILLSBOROUGH	436013-1-58-01

ROADWAY PLAN

SHEET NO.
12

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- LEGEND**
- PAVEMENT REGRADING
 - PROPOSED GRATE
 - DETECTABLE WARNING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

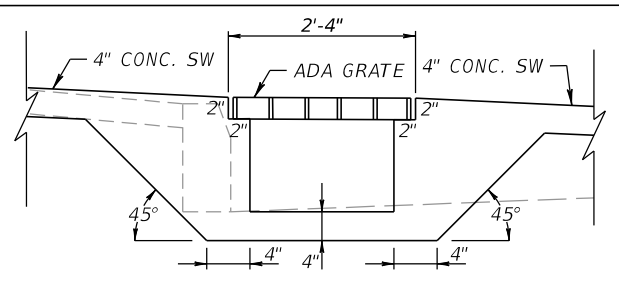
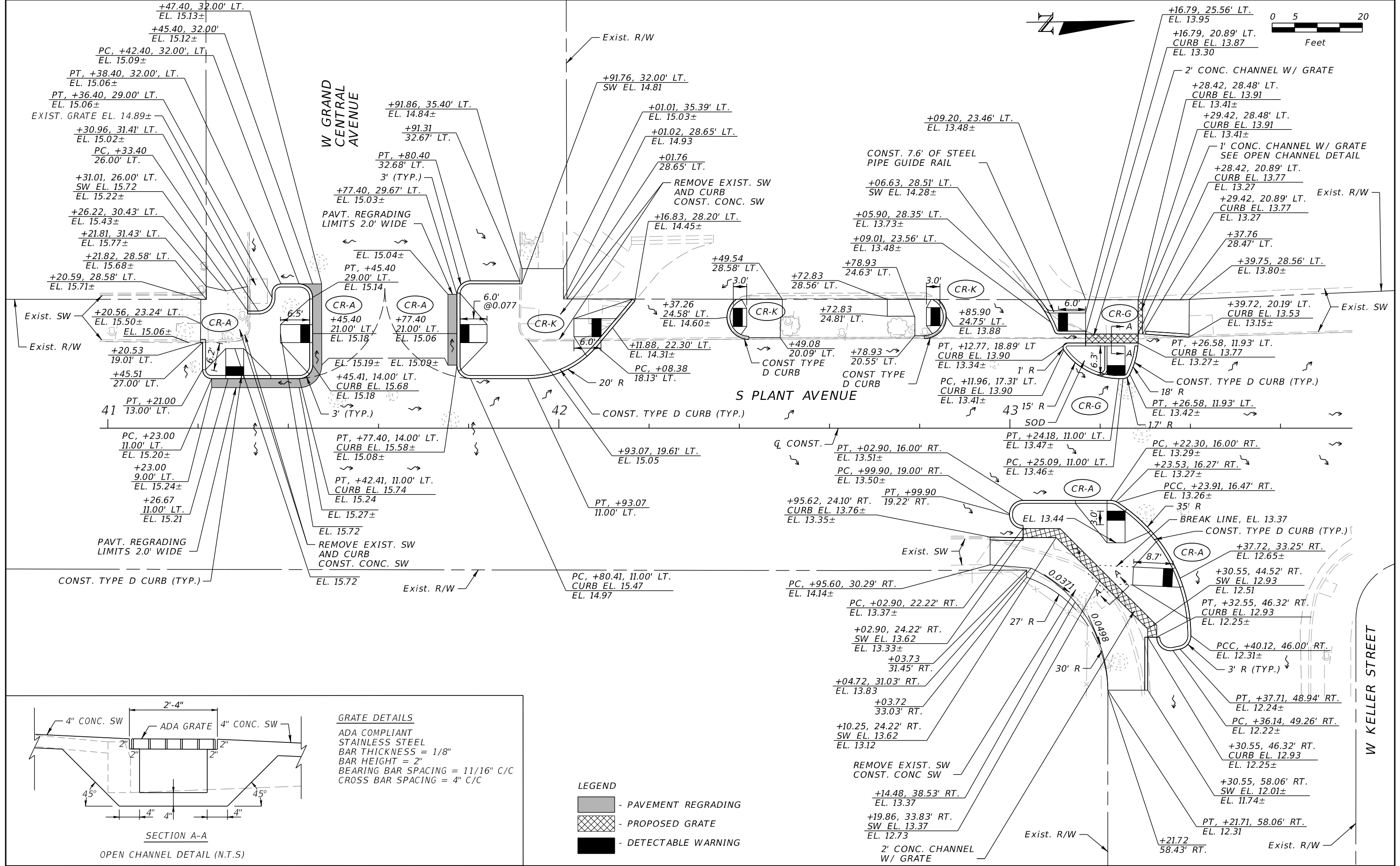
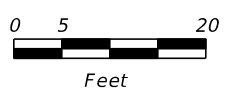
ELEMENT ENGINEERING GROUP
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 DEREK M. GIL, P.E.
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CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NA	HILLSBOROUGH	436013-1-58-01

INTERSECTION DETAILS

SHEET NO.
13

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GRATE DETAILS
 ADA COMPLIANT
 STAINLESS STEEL
 BAR THICKNESS = 1/8"
 BAR HEIGHT = 2"
 BEARING BAR SPACING = 11/16" C/C
 CROSS BAR SPACING = 4" C/C

- LEGEND**
- PAVEMENT REGRAIDING
 - PROPOSED GRATE
 - DETECTABLE WARNING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ELEMENT ENGINEERING GROUP
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CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
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INTERSECTION DETAILS

SHEET NO.
14

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TEMPORARY TRAFFIC CONTROL PROJECT NOTES

1. THE EXISTING POSTED SPEED (30 MPH) WILL BE MAINTAINED DURING CONSTRUCTION.
2. THE EXACT LOCATION OF ALL SIGNS AND BARRICADES SHALL BE DETERMINED IN THE FIELD AND APPROVED BY THE ENGINEER TO ENSURE MINIMUM SIGHT DISTANCES ARE MET.
3. SEVEN DAYS PRIOR TO CONSTRUCTION, PLACE ONE PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) AT EACH OF THE FOLLOWING LOCATIONS (OR AS DIRECTED BY THE ENGINEER) TO ALERT MOTORISTS OF THE UPCOMING WORK AND CHANGE IN TRAFFIC PATTERNS:

NORTHBOUND PLANT AVENUE AT WEST VERNE STREET,
 EASTBOUND PLATT STREET WEST OF SOUTH CEDAR AVENUE,
 WESTBOUND BROREIN STREET EAST OF PARKER STREET, AND
 EASTBOUND KENNEDY BOULEVARD (SR 60) BETWEEN SOUTH FIELDING AVENUE & NORTH BREVARD STREET.

MESSAGE PROVIDED SHALL BE (OR AS DIRECTED BY THE ENGINEER):

MESSAGE 1:

PLANT
AVENUE
CONST

 MESSAGE 2:

CONST
BEGINS
XXXXXXXX

 (DAY OF WEEK)

FOR DURATION OF CONSTRUCTION, MESSAGE PROVIDED SHALL BE (OR AS DIRECTED BY THE ENGINEER):

MESSAGE 1:

PLANT
AVENUE
CONST

 MESSAGE 2:

SEEK
ALTRNATE
ROUTE

AS AN INTEGRAL PART OF ANY LANE CLOSURE, PLACE A PCMS APPROXIMATELY 250 FEET IN ADVANCE OF THE LANE CLOSURE.

DISPLAY PROVIDED SHALL BE (OR AS DIRECTED BY THE ENGINEER):

MESSAGE 1:

LANE
CLOSED
AHEAD

 MESSAGE 2:

MERGE
LEFT

 (OR RIGHT AS APPROPRIATE)

DURING LANE CLOSURE, PCMS SHALL NOT BE PLACED MORE THAN 24 HOURS IN ADVANCE OF THE LANE CLOSURE AND SHALL BE REMOVED WITHIN 24 HOURS OF REOPENING THE ROAD.

4. THE CONTRACTOR SHALL NOTIFY:

THE ENGINEER A MINIMUM OF 7 DAYS PRIOR TO A LANE CLOSURE.

MR. BRIAN GENTRY, PE, CITY OF TAMPA R/W COORDINATOR, AT (813)274-8009,
 14 DAYS PRIOR TO A LANE CLOSURE.

SADE TOLBERT (SCHOOL BOARD OF HILLSBOROUGH COUNTY-TRANSPORTATION/BUS GARAGE) AT (813) 982-5524,
 ONE WEEK PRIOR TO A LANE CLOSURE.

GREGORY BRACKIN OR RALPH LAVADO (HART LINE) AT (813) 623-5835,
 ONE WEEK PRIOR TO A LANE CLOSURE.

THE CITY, FDOT AND LOCAL EMERGENCY AGENCIES (POLICE AND FIRE),
 24 HOURS PRIOR TO A LANE CLOSURES.

VIK BHIDE, CITY OF TAMPA TRAFFIC DESIGN ENGINEER, AT (813) 274-8105,
 A MINIMUM OF 7 DAYS IN ADVANCE OF A LANE CLOSURE TO COORDINATE TRAFFIC SIGNAL TIMING ADJUSTMENTS.

5. SINGLE LANE CLOSURE RESTRICTIONS:

SINGLE LANE CLOSURES ON PLANT AVENUE WILL NOT BE ALLOWED BETWEEN 7:00 AM AND 9:00 AM OR BETWEEN 3:30 PM AND 7:00 PM.

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.

6. THE CONTRACTOR IS TO MAINTAIN AND KEEP STREET NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION OPERATIONS TO FACILITATE EMERGENCY VEHICLE TRAFFIC.

7. TEMPORARY THROUGH TRAVEL LANES SHALL BE A MINIMUM OF 10 FEET IN WIDTH. AUXILIARY LANES SHALL BE A MINIMUM OF 10 FEET IN WIDTH.

8. THE ACCESS TO AND FROM ALL BUS STOP BOARDING AND LANDING AREAS SHALL BE MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE BUS STOP LOCATIONS AND ACCESS WITH THE MAINTAINING AGENCY, 14 DAYS PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT INTERFERE WITH NORMAL BUS OPERATIONS.

9. PLACE A PROJECT INFORMATION SIGN, AS DETAILED IN INDEX NO. 600, APPROXIMATELY 500 FEET IN ADVANCE OF BEGIN CONSTRUCTION FOR NB TRAFFIC ON PLANT AVE.

10. ADVANCE SIGNAGE FOR THE PROJECT SHALL CONSTITUTE THE FOLLOWING SIGNS AT THE FOLLOWING LOCATIONS:

ROAD WORK 500' (W20-1A) FOR NORTHBOUND TRAFFIC ON BOTH SIDES OF PLANT AVENUE SOUTH OF VERNE STREET.

ROAD WORK AHEAD (W20-1F) SIGNS PLACED:

FOR NORTHBOUND TRAFFIC ON BOTH SIDES OF PLANT AVENUE NORTH OF BEACH STREET,
 FOR WESTBOUND TRAFFIC ON WEST VERNE STREET,
 FOR WESTBOUND TRAFFIC ON WEST BEACH STREET,
 FOR WESTBOUND TRAFFIC ON HYDE PARK PLACE,
 FOR EASTBOUND TRAFFIC ON WEST PLATT STREET WEST OF PLANT AVENUE,
 FOR WESTBOUND TRAFFIC ON THE WESTBOUND OFF RAMP FROM THE SELMON EXPRESSWAY EAST OF PLANT AVENUE,
 FOR WESTBOUND TRAFFIC ON WEST BROREIN STREET EAST OF PLANT AVENUE,
 FOR WESTBOUND TRAFFIC ON GRAND CENTRAL BOULEVARD EAST OF PLANT AVENUE,
 FOR EASTBOUND TRAFFIC ON GRAND CENTRAL BOULEVARD WEST OF PLANT AVENUE, AND
 FOR WESTBOUND TRAFFIC ON KELLER STREET EAST OF PLANT AVENUE.

SPEEDING FINES DOUBLED WHEN WORKS PRESENT (MOT 14-06) SIGNS PLACED:

FOR NORTHBOUND TRAFFIC ON BOTH LEFT AND RIGHT SIDE PLANT AVENUE NORTH OF VERNE STREET

END ROAD WORK (G20-2) SIGNS PLACED:

FOR EASTBOUND TRAFFIC ON WEST PLATT STREET EAST OF PLANT AVENUE,
 FOR WESTBOUND TRAFFIC ON WEST BROREIN STREET WEST OF PLANT AVENUE,
 FOR EASTBOUND TRAFFIC ON GRAND CENTRAL BOULEVARD EAST OF PLANT AVENUE,
 FOR WESTBOUND TRAFFIC ON GRAND CENTRAL BOULEVARD WEST OF PLANT AVENUE,
 FOR EASTBOUND TRAFFIC ON KELLER STREET EAST OF PLANT AVENUE,
 FOR EASTBOUND TRAFFIC ON KENNEDY BOULEVARD (SR 60) EAST OF PLANT AVENUE, AND
 FOR WESTBOUND TRAFFIC ON KENNEDY BOULEVARD (SR 60) WEST OF PLANT AVENUE.

11. NOTIFY UNIVERSITY OF TAMPA, ST. JOHNS EPISCOPAL SCHOOL, GORRIE ELEMENTARY SCHOOL, WOODROW WILSON MIDDLE SCHOOL, WILSON JUNIOR HIGH SCHOOL, PRIMROSE SCHOOL OF SOUTH TAMPA, RAMPOLLO K-8 MAGNET SCHOOL, TAMPA PREPARATORY SCHOOL, AND BLAKE HIGH SCHOOL, A MINIMUM OF 14 DAYS IN ADVANCE OF PREFORMING ANY LANE CLOSURES. DO NOT RESTRICT ANY ACCESS POINT TO THE SCHOOLS DURING ANY SCHEDULED EVENT.

REVISIONS				ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION 26921 DEREK M. GIL, P.E. P.E. LICENSE NUMBER: 54798	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO. 15
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					NA	HILLSBOROUGH	436013-1-58-01		

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TEMPORARY TRAFFIC CONTROL PHASING NOTES

PHASE I

PLACE ADVANCE NOTIFICATION PCMS SIGNS SEVEN (7) DAYS IN ADVANCE. PLACE ADVANCE SIGNAGE.

UNDER LANE CLOSURES AS NECESSARY, USING INDICES 612, 613, 616, 619, & 660, REMOVE EXISTING PAVEMENT MARKINGS, AND RESTRIPE PROPOSED LANE CONFIGURATION, USING TEMPORARY PAINT, FROM SOUTH OF WEST PLATT STREET TO THE SOUTH APPROACH TO WEST BROREIN STREET. DO NOT STRIPE FOR PROPOSED BIKE LINE.

PHASE II

USING LANE SHIFTS AS NECESSARY, CONSTRUCT PEDESTRIAN BULB-OUTS ON PLANT AVENUE UTILIZING INDICES 612, 613, 616, 619, & 660.

PHASE III

MILL & RESURFACE PLANT AVENUE AND APPLY TEMPORARY PAVEMENT MARKINGS UTILIZING ALLOWABLE LANE CLOSURES AND STANDARD INDEXES 612, 613, 616, & 619.

PHASE IV

APPLY FINAL PAVEMENT MARKINGS AFTER 14 DAY CURING PERIOD UTILIZING ALLOWABLE LANE CLOSURES AND STANDARD INDEXES 612, 613, 616, & 619.

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					NA	HILLSBOROUGH	436013-1-58-01		

SIGNING & PAVEMENT MARKING PROJECT NOTES

1. EXISTING SINGLE-POST AND MULTI-POST SIGNS WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.
2. THE ADDITIONAL WIDTH OUTSIDE OF THE TRAVEL LANES TO THE CURB SHALL BE VARYING WIDTH PARKING AT LOCATIONS SHOWN IN THE PLANS.
3. ALL EXISTING PAVEMENT MARKINGS ON BRICK STREETS THAT ARE TO BE REMOVED SHALL BE WATER BLASTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPAIRING ANY BRICKS DAMAGED AS A RESULT OF WATER BLASTING.
4. ANY VEGETATION INTERFERING WITH THE VISIBILITY OF THE EXISTING AND/OR PROPOSED SIGNS SHALL BE TRIMMED UNTIL FULL VISIBILITY IS RESTORED.
5. ALL PROPOSED PEDESTRIAN CROSS WALK SIGNAGE AND AUXILIARIES, SHALL HAVE A RETRO-REFLECTIVE FLUORESCENT YELLOW-GREEN BACKGROUND WITH A BLACK LEGEND AND BORDER.
6. ALL BICYCLE LANE ARROWS AND PAVEMENT MESSAGES SHALL BE PREFORMED THERMOPLASTIC. ALL SPECIAL EMPHASIS CROSSWALK MARKINGS SHALL BE PREFORMED MARKING MATERIALS.

SIGNALIZATION PAY ITEM NOTES

1. 650-1-70:
RELOCATE SIGNAL HEAD TO THE CENTER OF THE PROPOSED LANE ASSIGNMENT. SEE FIGURE 1 FOR DETAILS.

PAY ITEM INCLUDES FURNISHING AND INSTALLING AN ADJUSTABLE HANGER ASSEMBLY WITH THE TRI-STUD ASSEMBLY AS DETAILED IN INDEX NO. 17727.

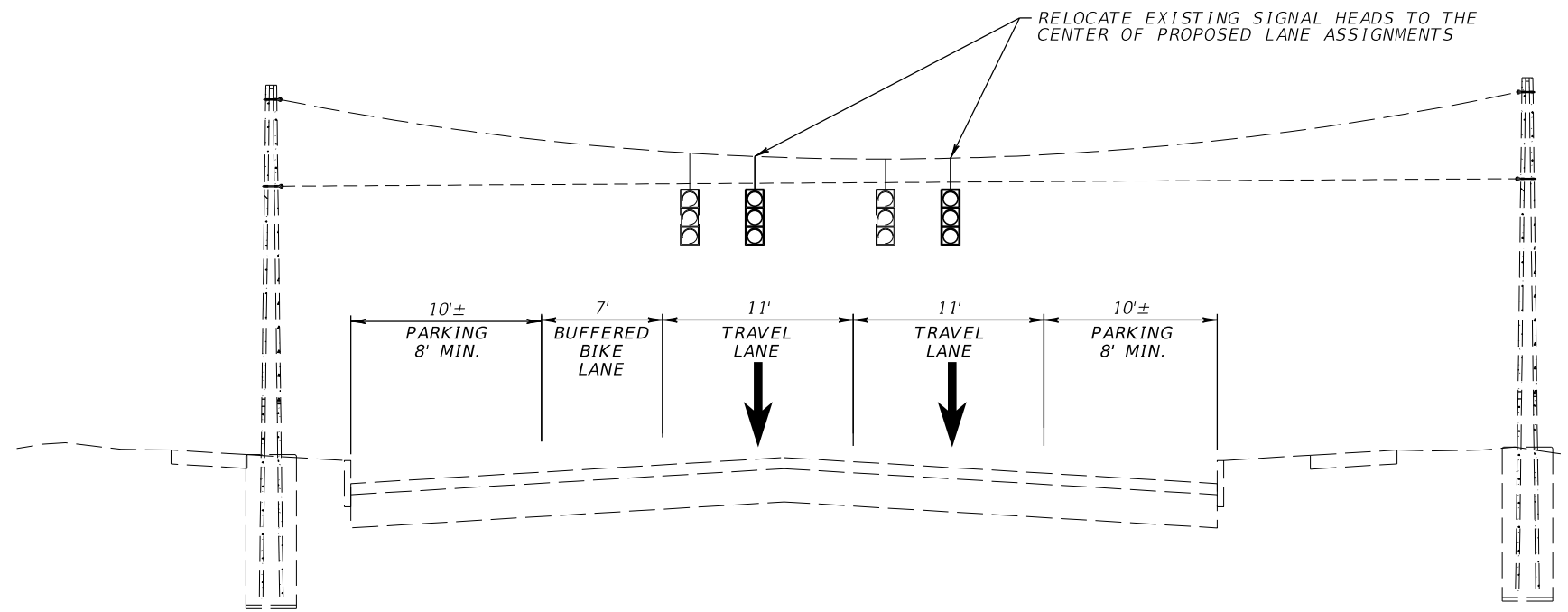
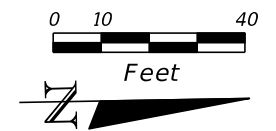
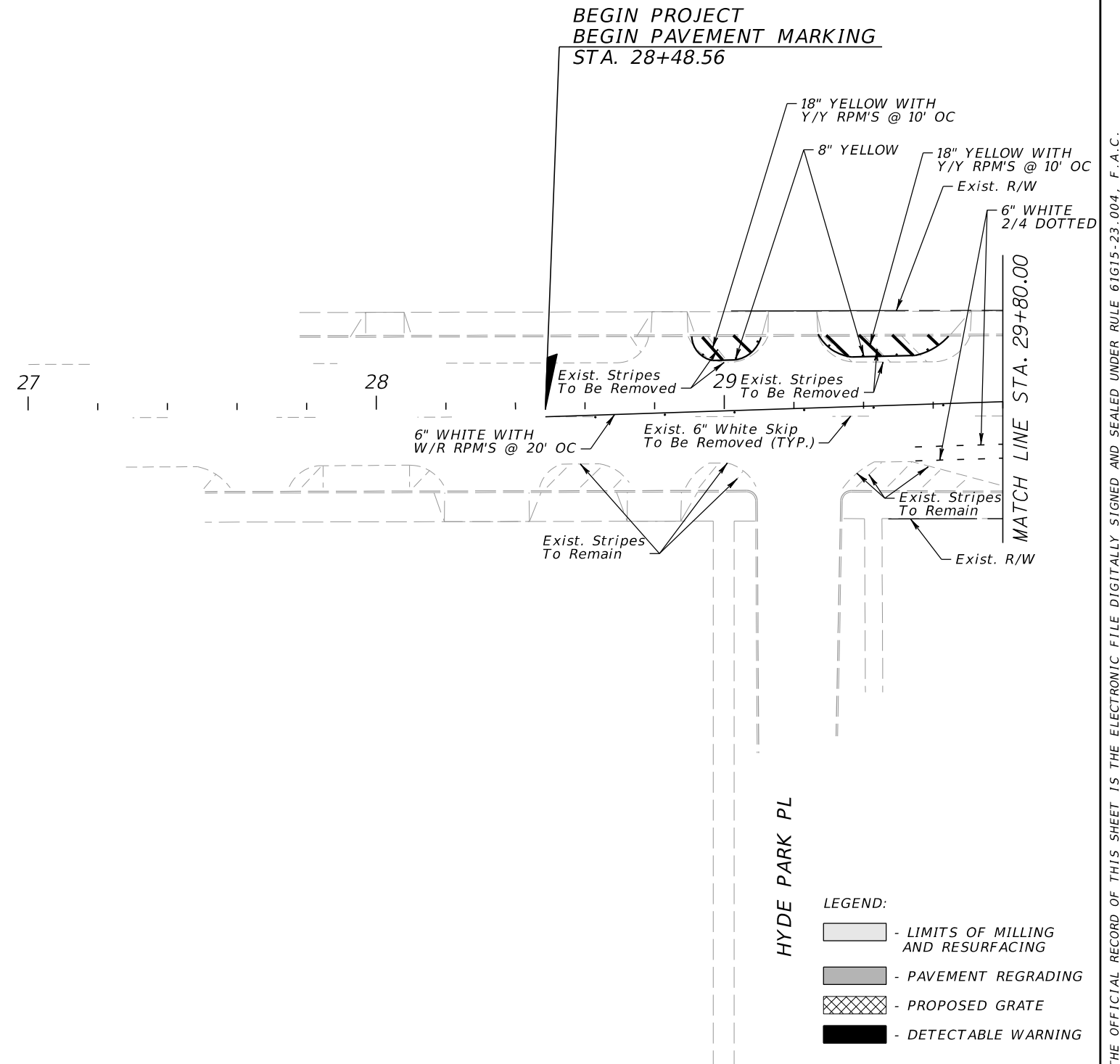


FIGURE 1: PROPOSED LOCATION OF SIGNAL HEADS

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		17
					NA	HILLSBOROUGH	436013-1-58-01		



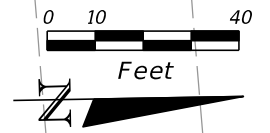
S PLANT AVENUE



- LEGEND:
- LIMITS OF MILLING AND RESURFACING
 - PAVEMENT REGRADING
 - PROPOSED GRATE
 - DETECTABLE WARNING

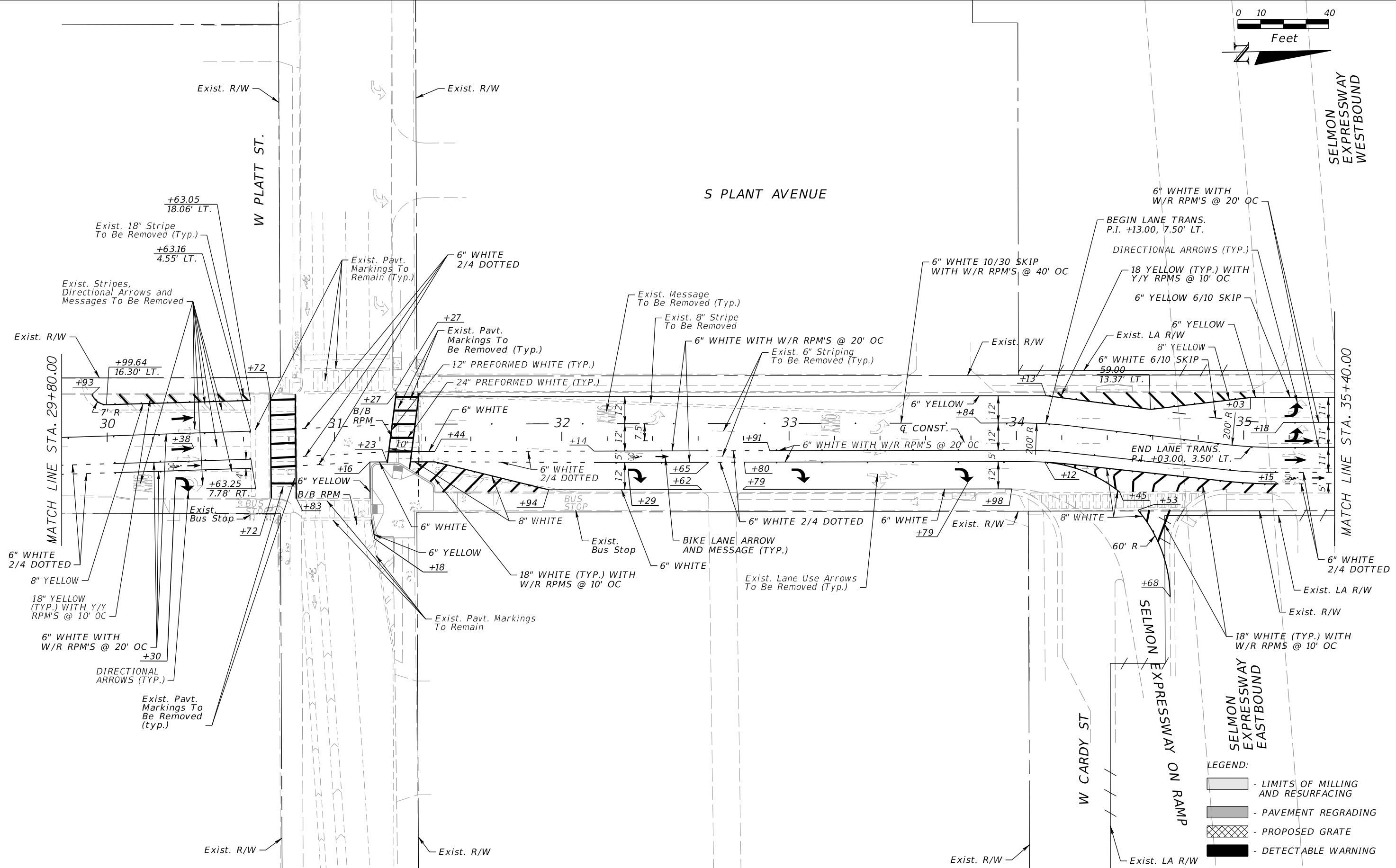
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		18
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SELMON EXPRESSWAY WESTBOUND

S PLANT AVENUE



- LEGEND:
- LIMITS OF MILLING AND RESURFACING
 - PAVEMENT REGRADE
 - PROPOSED GRATE
 - DETECTABLE WARNING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

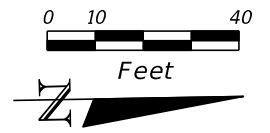
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PAVEMENT MARKING PLAN

SHEET NO.
19

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S PLANT AVENUE

W BROREIN ST

SELMON EXPRESSWAY WESTBOUND

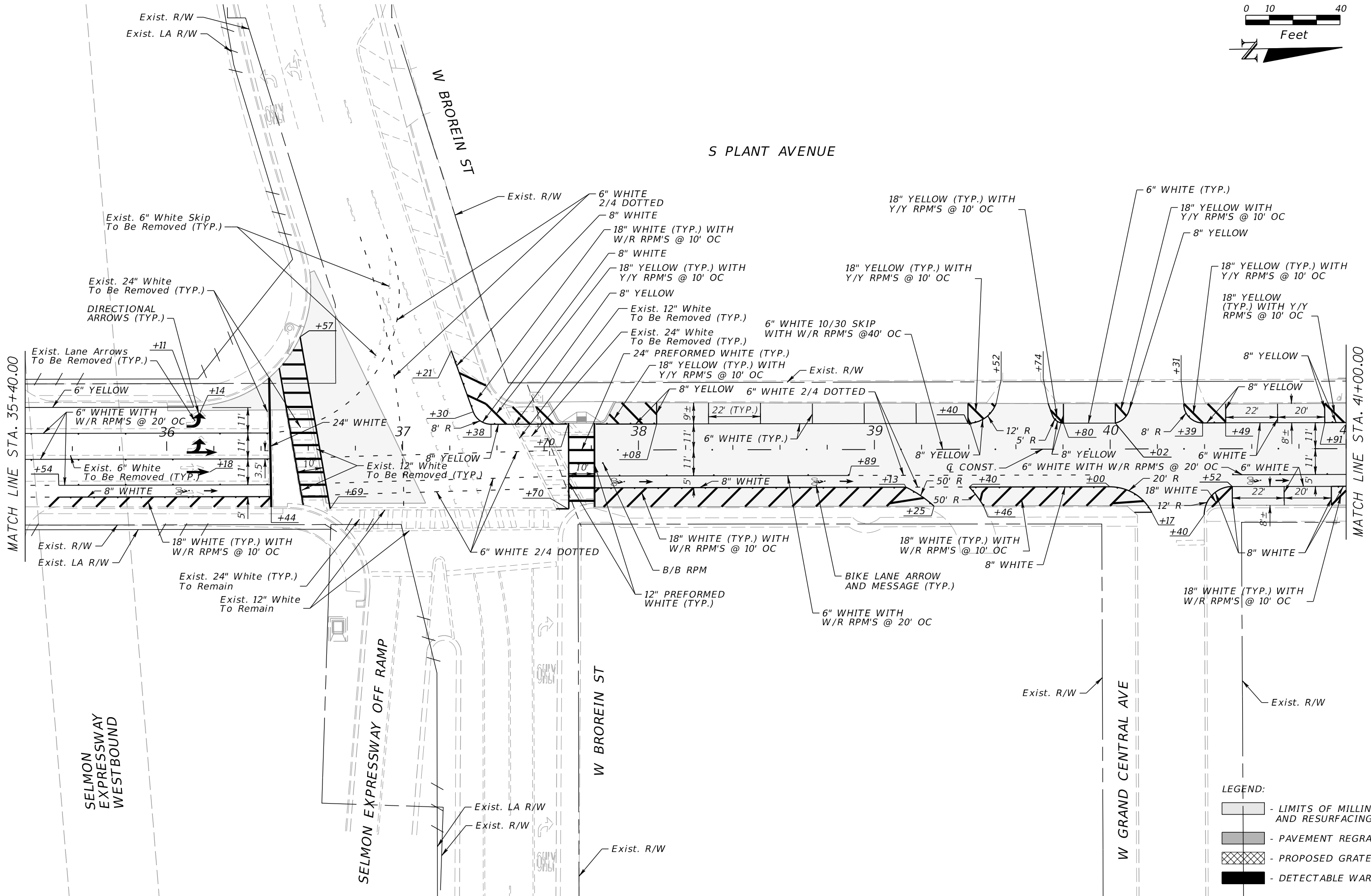
SELMON EXPRESSWAY OFF RAMP

W BROREIN ST

W GRAND CENTRAL AVE

MATCH LINE STA. 35+40.00

MATCH LINE STA. 41+00.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

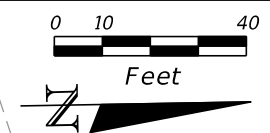
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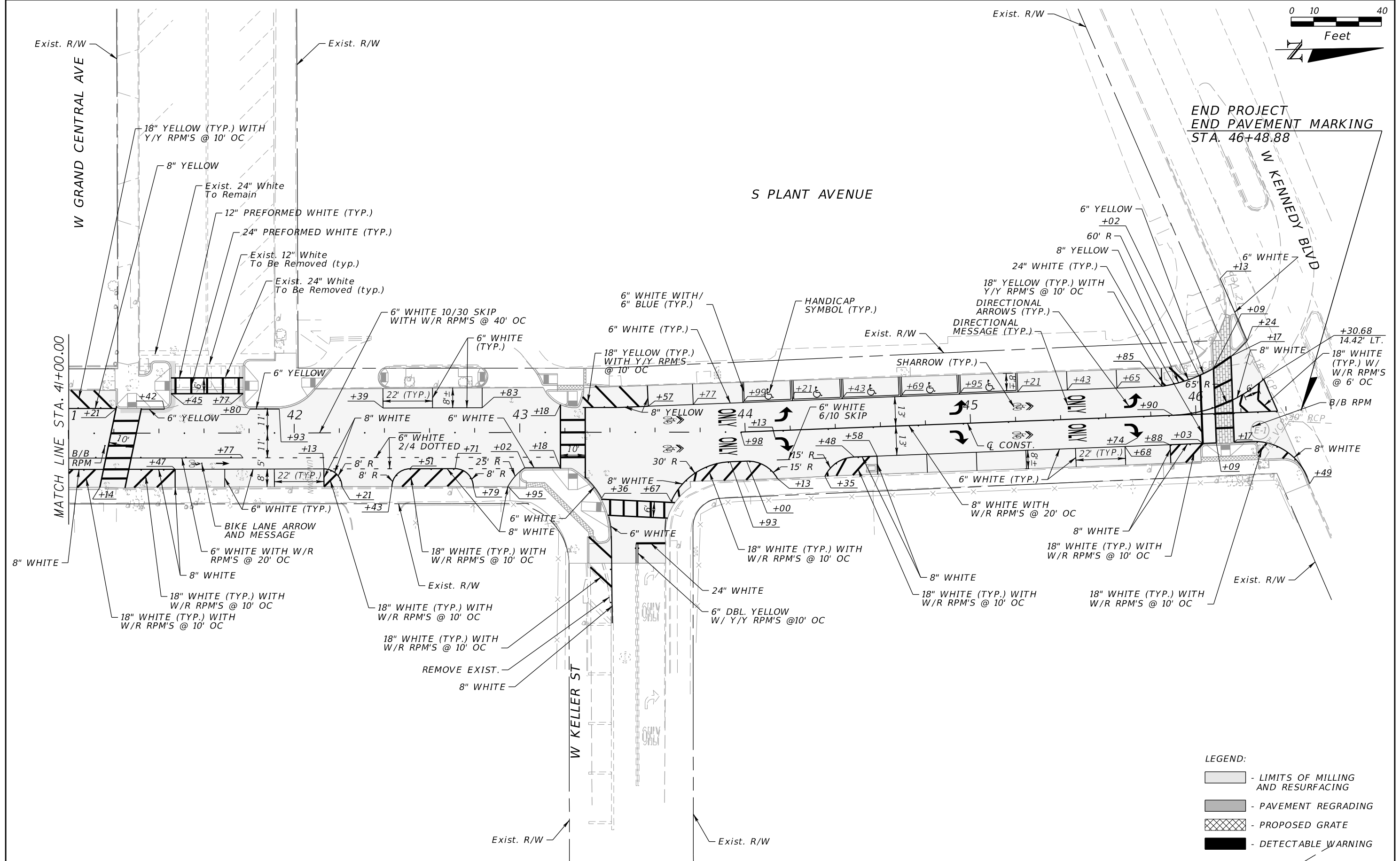
PAVEMENT MARKING PLAN

SHEET NO.
20

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END PROJECT
END PAVEMENT MARKING
STA. 46+48.88



- LEGEND:
- LIMITS OF MILLING AND RESURFACING
 - PAVEMENT REGRADING
 - PROPOSED GRATE
 - DETECTABLE WARNING

REVISIONS			
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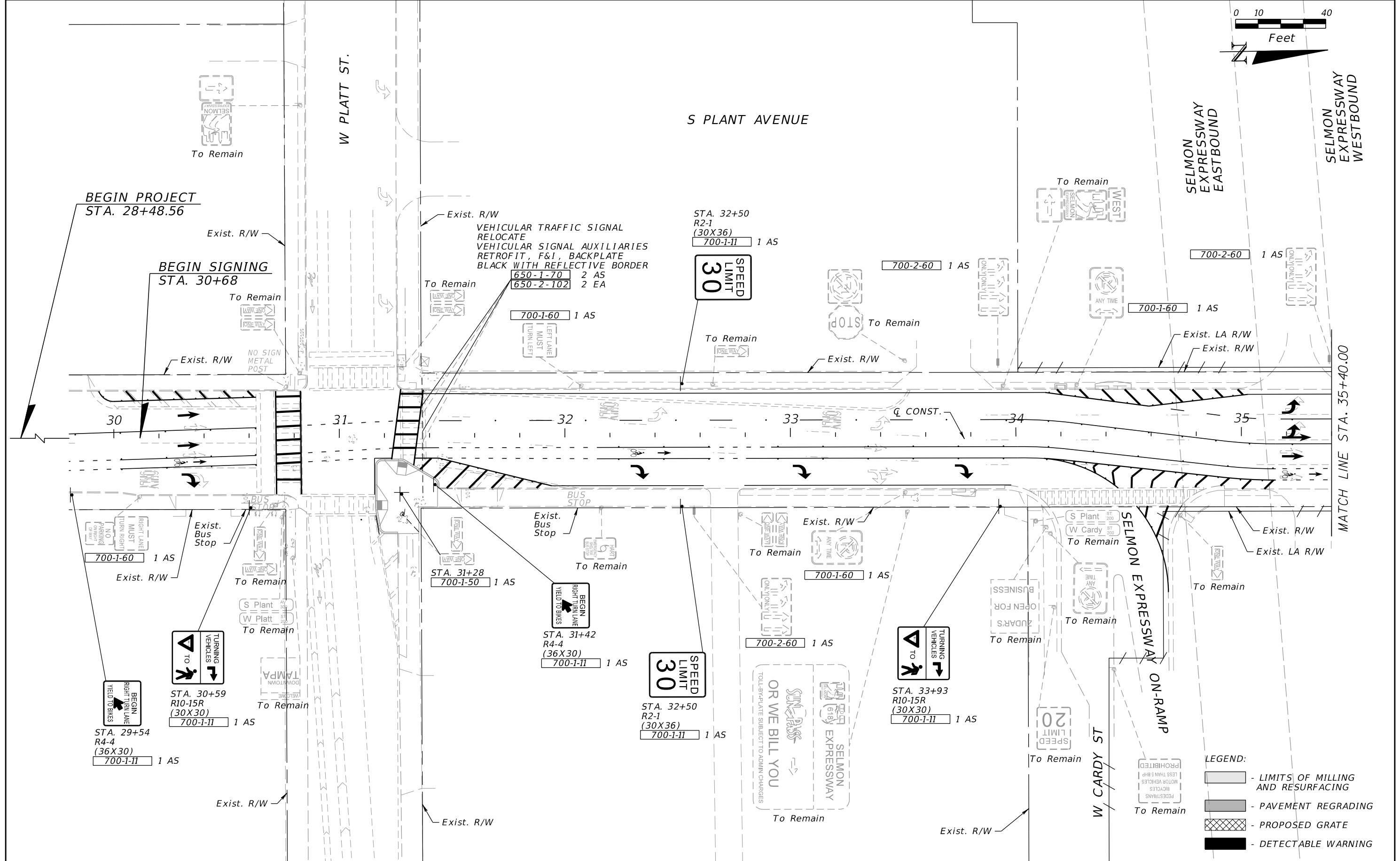
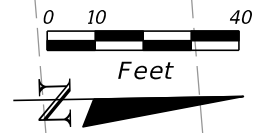
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PAVEMENT MARKING PLAN

SHEET NO.
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- LEGEND:**
- LIMITS OF MILLING AND RESURFACING
 - PAVEMENT REGRADING
 - PROPOSED GRATE
 - DETECTABLE WARNING

REVISIONS	
DATE	DESCRIPTION

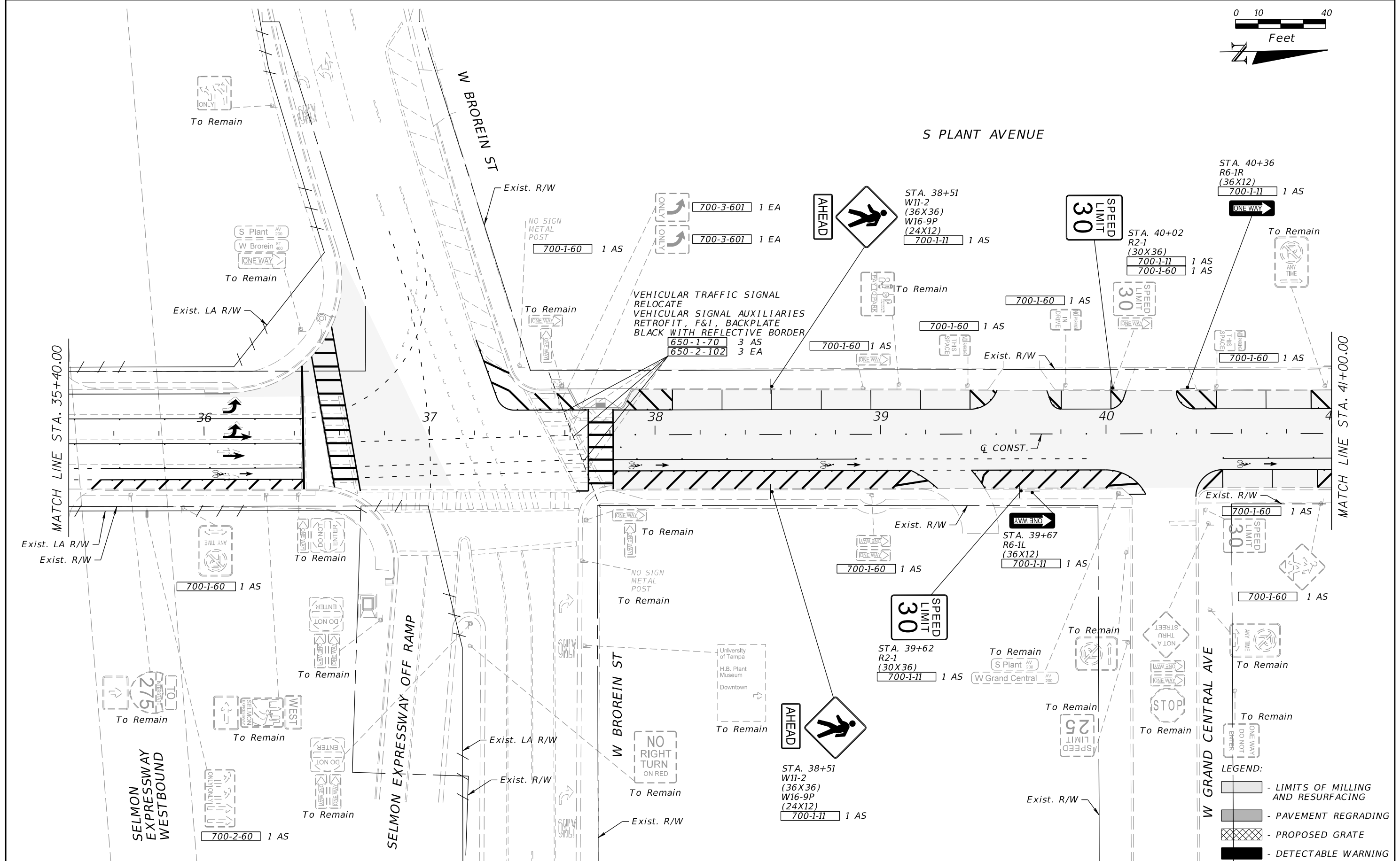
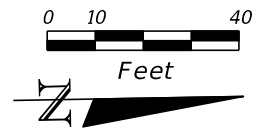
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SIGNING PLAN

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VEHICULAR TRAFFIC SIGNAL
RELOCATE
VEHICULAR SIGNAL AUXILIARIES
RETROFIT, F&I, BACKPLATE
BLACK WITH REFLECTIVE BORDER
650-1-70 3 AS
650-2-102 3 EA

- LEGEND:
- LIMITS OF MILLING AND RESURFACING
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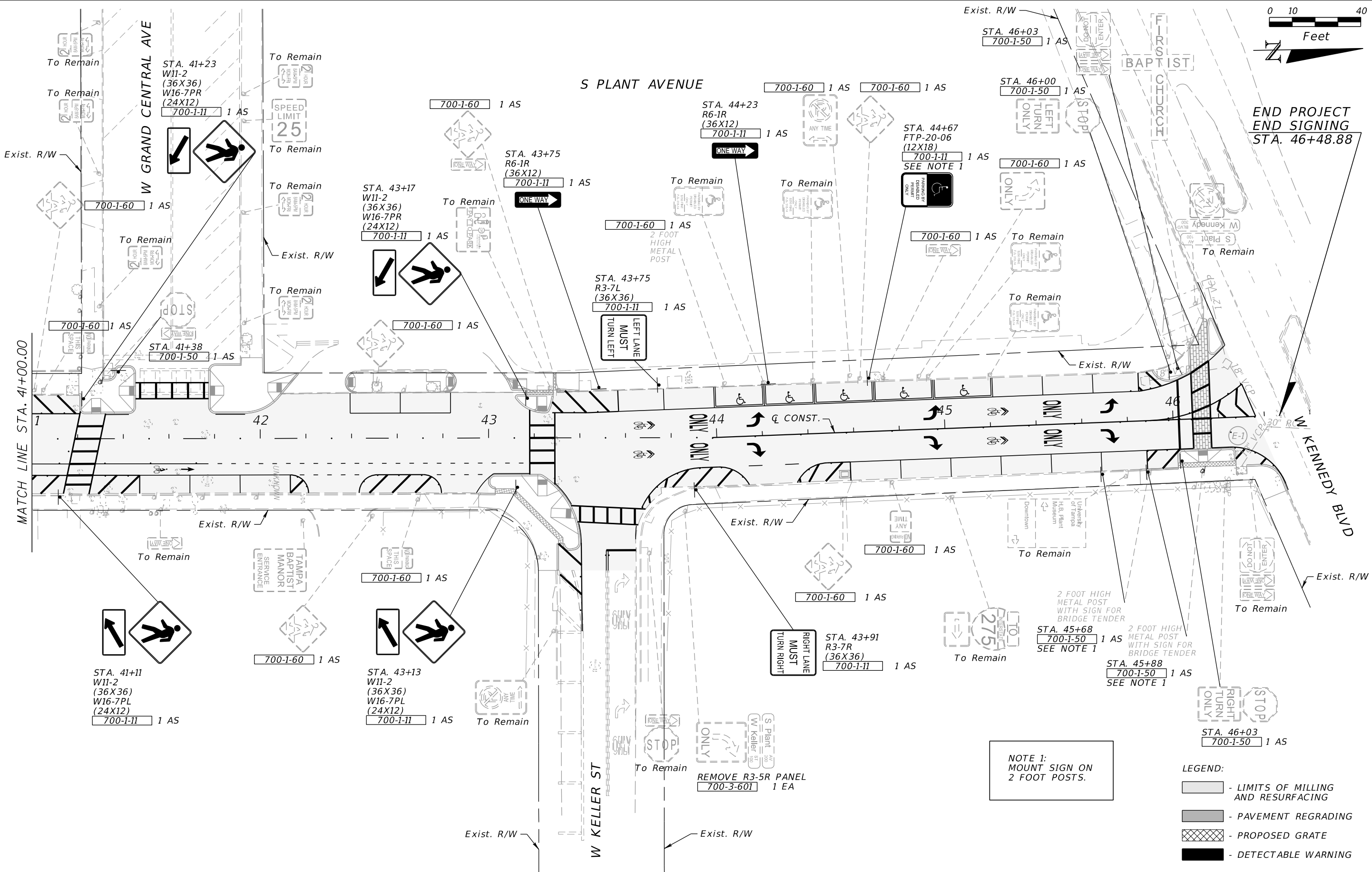
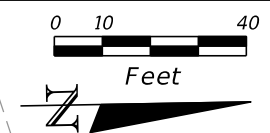
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SIGNING PLAN

SHEET NO.
23

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NOTE 1:
MOUNT SIGN ON
2 FOOT POSTS.

- LEGEND:
- LIMITS OF MILLING AND RESURFACING
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 - PROPOSED GRATE
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REVISIONS			
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SIGNING PLAN

SHEET NO.
24

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