

CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS
LANDSCAPE PLANS

INDEX OF DRAWINGS

SHEET NO.	SHEET DESCRIPTION
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2	SUMMARY OF PAY ITEMS
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5	SUMMARY OF DRAINAGE STRUCTURES
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SQ-1 - SQ-12	SUMMARY OF QUANTITIES

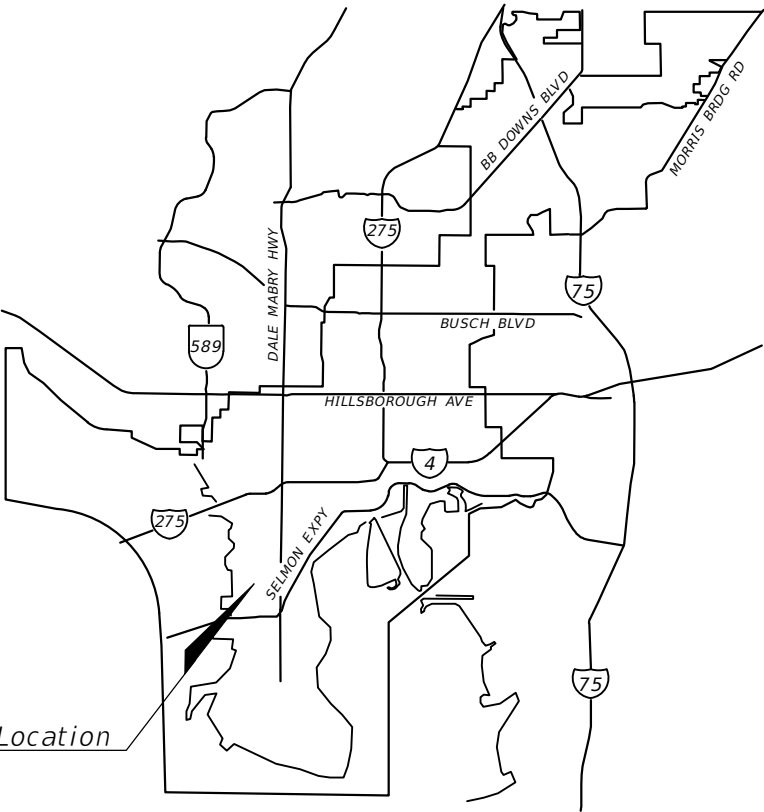
SURVEY CONTROL SHEETS (1 - 21) ARE
CONTAINED IN A SEPARATE DOCUMENT
PREPARED BY THE CITY OF TAMPA

GOVERNING STANDARDS AND SPECIFICATIONS
FLORIDA DEPARTMENT OF TRANSPORTATION FY
2023-24 DESIGN STANDARDS AND REVISED
INDEX DRAWING AS APPENDED HEREIN, AND
FY 2023-24 STANDARD SPECIFICATIONS FOR
ROAD AND BRIDGE CONSTRUCTION, AS
AMENDED BY CONTRACT DOCUMENTS AND THE
CITY OF TAMPA.

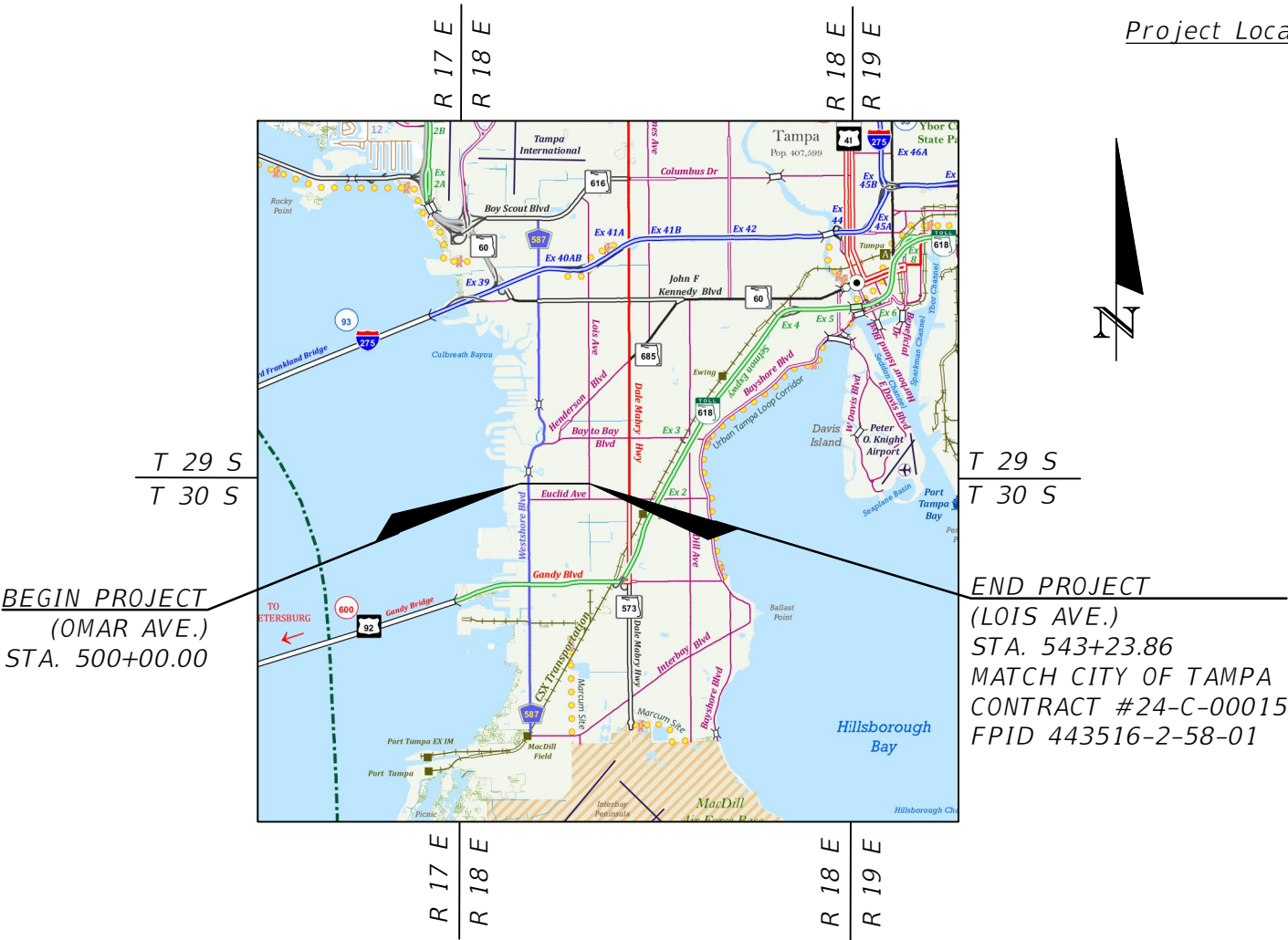
CITY OF TAMPA
MOBILITY DEPARTMENT

CONTRACT PLANS
FINANCIAL PROJECT ID 443516-1-58-01
(FEDERAL FUNDS)
CONTRACT NUMBER 24-C-00015
HILLSBOROUGH COUNTY
EL PRADO BOULEVARD COMPLETE STREETS DESIGN
FROM OMAR AVENUE TO LOIS AVENUE
ROADWAY PLANS

THIS PROJECT TO BE LET TO CONTRACT WITH
FINANCIAL PROJECT ID: 443516-2-58-01



Project Location



BEGIN PROJECT
(OMAR AVE.)
STA. 500+00.00

END PROJECT
(LOIS AVE.)
STA. 543+23.86
MATCH CITY OF TAMPA
CONTRACT #24-C-00015
FPID 443516-2-58-01

ROADWAY PLANS
ENGINEER OF RECORD:

AARON C. MEARES, P.E. NO.: 62955
NATIVE ENGINEERING, PLLC.
18856 N. DALE MABRY HWY.
LUTZ, FL 33548
(813) 536-2539
CONTRACT NO.: 21-D-00016 (1001930)
CERTIFICATE OF AUTHORIZATION NO.: 28759

CITY PROJECT MANAGER:
JORGE UY, P.E.

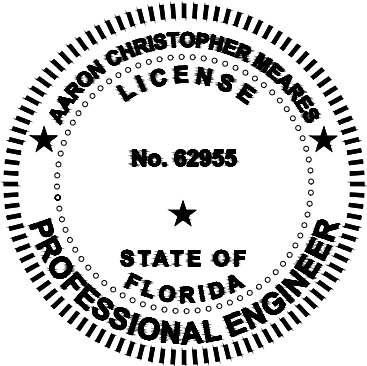
CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
24-C-00015	2024	1

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

THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

Aaron C Meares

Digitally signed by Aaron C Meares
DN: CN=Aaron C Meares,
dnQualifier=A01410C00000180B3C44021000B8B2C,
O=Florida, C=US
Date: 2024.02.14 15:59:55-05'00'



ON THE DATE ADJACENT TO THE SEAL

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THE SIGNATURE MUST BE VERIFIED ON ANY
ELECTRIC COPIES

NATIVE ENGINEERING, PLLC
18856 N DALE MABRY HWY
LUTZ, FL 33548
AARON CHRISTOPHER MEARES, P.E. NO. 62955

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

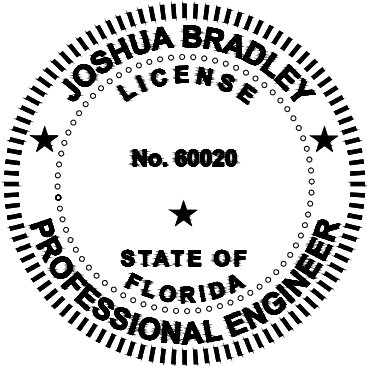
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SQ-1 - SQ-12	SUMMARY OF QUANTITIES

THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

Joshua S Bradley

Digitally signed by Joshua S Bradley
DN: CN=Joshua S Bradley,
dnQualifier=A01410C000001841528E08400020CF6,
O=Florida, C=US
Date: 2024.02.14 16:01:48-05'00'



ON THE DATE ADJACENT TO THE SEAL

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NATIVE ENGINEERING, PLLC
18856 N DALE MABRY HWY
LUTZ, FL 33548
JOSHUA BRADLEY, P.E. NO. 60020

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43	DRAINAGE STRUCTURES
44-45	EROSION CONTROL PLANS
46-47	STORMWATER POLLUTION PREVENTION PLAN

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
-	---	-	---
-	---	-	---
-	---	-	---
-	---	-	---

AARON C. MEARES, P.E.
P.E. LICENSE NUMBER 62955
NATIVE ENGINEERING, PLLC.
18856 N. DALE MABRY HWY.
LUTZ, FL 33548

CITY OF TAMPA
MOBILITY DEPARTMENT

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
OFF-SYS	HILLSBOROUGH	443516-1-58-01

SHEET
NO.

SIGNATURE SHEET

1A

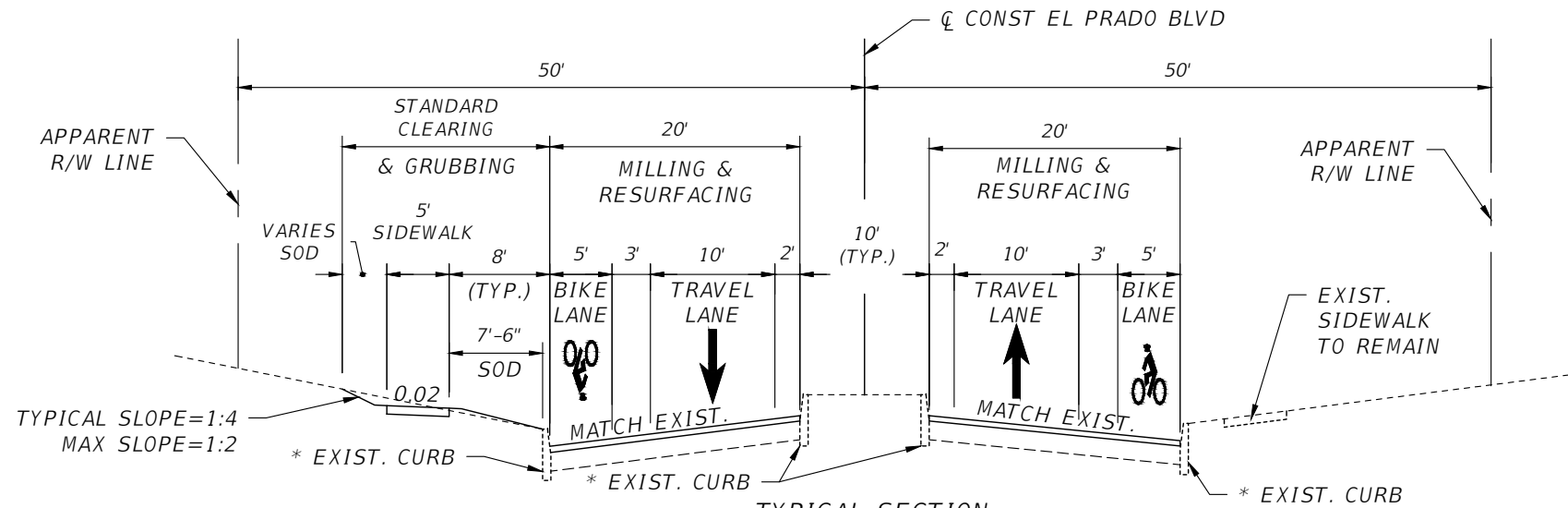
SUMMARY OF PAY ITEMS				
SUMMARY OF ROADWAY				
ITEM NUMBER	ITEM DESCRIPTION	UNIT	443516-1-58-01	
			Participating	Non-Participating
101-1	MOBILIZATION	LS	1	1
102-1	MAINTENANCE OF TRAFFIC	LS	1	1
104-10-3	SEDIMENT BARRIER	LF	1560	
104-18	INLET PROTECTION SYSTEM	EA	19	10
107-1	LITTER REMOVAL	AC		10.34
107-2	MOWING	AC		3.16
110-1-1	CLEARING & GRUBBING	AC	0.47	0.14
110-4-10	REMOVAL OF EXISTING CONCRETE	SY	450	5
120-1	REGULAR EXCAVATION	CY	34.5	134.1
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	CY		90.3
120-6	EMBANKMENT	CY	19.9	5.8
160-4	TYPE B STABILIZATION	SY	127	8
285-701	OPTIONAL BASE, GROUP 1	SY	106	
285-707	OPTIONAL BASE, GROUP 7	SY		8
327-70-1	MILLING EXISTING ASPHALT (1" AVG. DEPTH)	SY		1039
327-70-4	MILLING EXISTING ASPHALT (3" AVG. DEPTH)	SY		22380
334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	5.9	2464.6
337-7-80	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC B, FC-9.5, PG 76-22	TN		1288
425-1-331	INLETS, CURB, TYPE P-3, <10'	EA		1
425-3-43	JUNCTION BOX, DRAINAGE, P-7, PARTIAL	EA		1
425-5-1	MANHOLE, ADJUST, UTILITIES	EA	2	3
425-6	VALVE BOXES, ADJUST	EA	4	
425-11	MODIFY EXISTING DRAINAGE STRUCTURE	EA		1
425-15-51	INLET TOP, REPLACE, CURB INLET	EA		5
425-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF		53
520-1-8	CONCRETE CURB & GUTTER, DROP CURB	LF	224	
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	145	12
520-2-4	CONCRETE CURB, TYPE D	LF	89	684
520-70	CONCRETE TRAFFIC SEPARATOR, SP- VAR WIDTH	SY		177
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	934	
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	374	
526-1-101	PAVERS, ARCHITECTURAL, REMOVE EXISTING AND REINSTALL	SY	79	
527-2	DETECTABLE WARNINGS	SF	294	
542-70	BUMPER GUARDS, CONCRETE	EA		37
570-1-2	PERFORMANCE TURF, SOD	SY	466	
635-2-30	PULL & SPLICE BOX, INSTALL (ADJUST)	EA	1	
1080-21-500	UTILITY FIXTURE, VALVE/METER BOX, ADJUST	EA	2	
SUMMARY OF SIGNING				
ITEM NUMBER	ITEM DESCRIPTION	UNIT	443516-1-58-01	
			Participating	Non-Participating
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF		15
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF		73
635-2-11	PULL & SPLICE BOX, F&I, 13"X24" COVER SIZE	EA		3
654-2-21	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR, COMPLETE SIGN ASSY- SINGLE DIRECTION	AS		2
654-2-22	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR, COMPLETE SIGN ASSEMBLY- BACK TO BACK	AS		1
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, LESS THAN 12 SF	AS		27
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS		2
700-1-60	SINGLE POST SIGN, REMOVE	AS		22
700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA		10
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA		2
700-13-15	RETROREFLECTIVE SIGN STRIP, F&I, 5'	EA		11
704-1-1	TUBULAR MARKER, DURABLE, 36" WHITE POST	EA		28
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA		21
706-1-3	RAISED PAVEMENT MARKER, TYPE B	EA		160
710-12-290	PAINTED PAVEMENT MARKINGS, STANDARD, DURABLE PAINT, YELLOW, ISLAND NOSE	SF		638

REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			<i>SUMMARY OF PAY ITEMS</i>	SHEET NO.		
DATE	DESCRIPTION		DATE		DESCRIPTION						
-	---		-		---		ROAD NO.		COUNTY	FINANCIAL PROJECT ID	2
-	---		-		---		OFF-SYS		HILLSBOROUGH	443516-1-58-01	
-	---		-		---						
-	---		-		---						

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TRAFFIC DATA

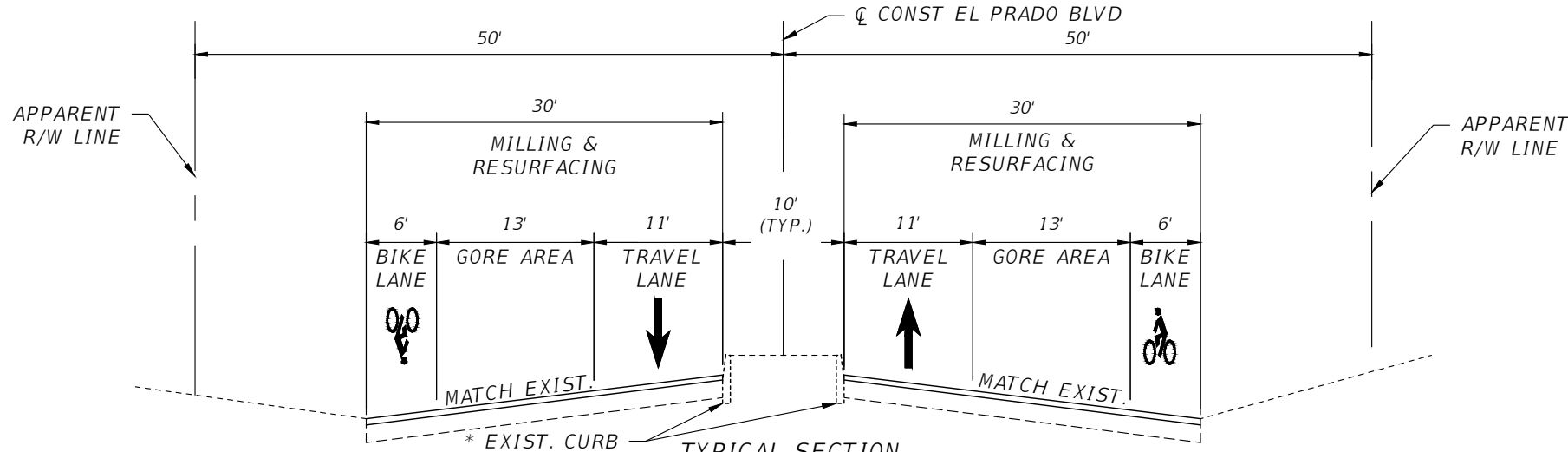
CURRENT YEAR = 2022 AADT = 4176 (EST.)
DESIGN SPEED = 30 MPH

TYPICAL SECTION
EL PRADO BLVD.
FROM S. OMAR AVE. TO S. MANHATTAN AVE.
STA. 500+00 TO 531+00

WIDENING
OPTIONAL BASE GROUP 7
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (2")
FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (PG 76-22)

EXISTING TRAVEL AND BIKE LANES
**MILL EXISTING ASPHALT PAVEMENT (3" DEPTH)
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (2")
FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (PG 76-22)

SIDE STREET MILLING & RESURFACING
MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)
FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (PG 76-22)



TRAFFIC DATA

CURRENT YEAR = 2022 AADT = 8930 (EST.)
DESIGN SPEED = 30 MPH

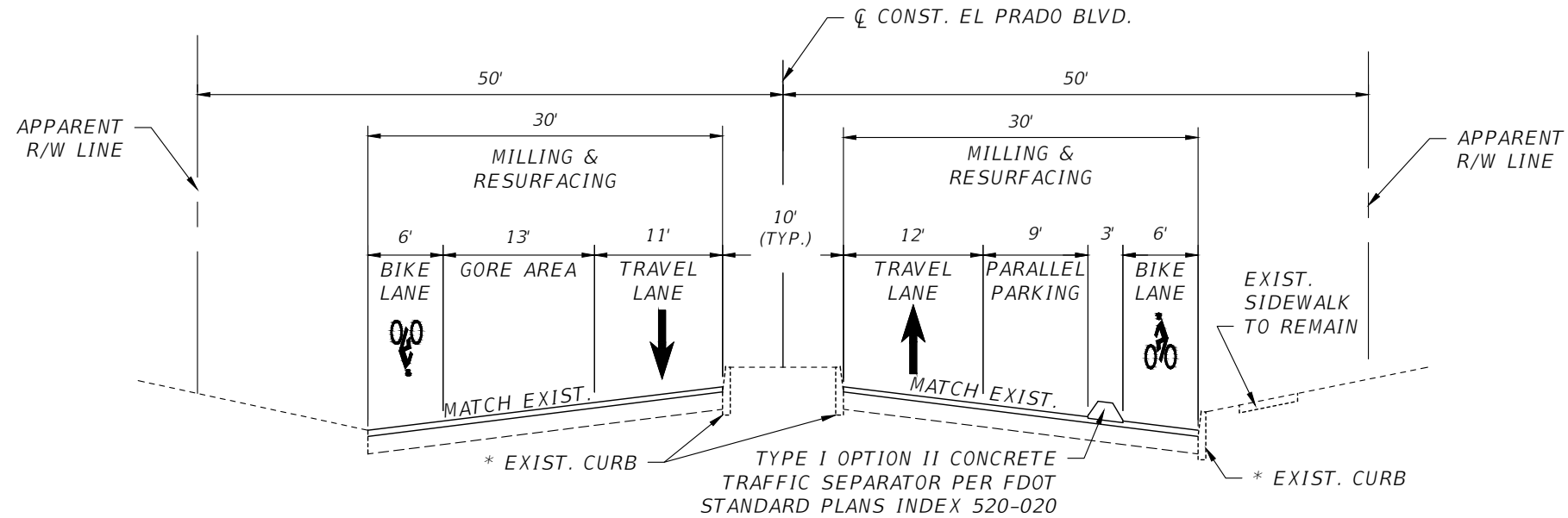
SHARED USE PATH
OPTIONAL BASE GROUP 1
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 1/2")

EXISTING TRAVEL AND BIKE LANES
**MILL EXISTING ASPHALT PAVEMENT (3" DEPTH)
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (2")
FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (PG 76-22)

SIDE STREET MILLING & RESURFACING
MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)
FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (PG 76-22)

- NOTE:
- * EXISTING CURB MAY BE CURB AND GUTTER WITH ASPHALT OVERLAY.
 - ** MILLING DEPTH WILL ENCOUNTER CONCRETE PAVEMENT AND MAY ENCOUNTER CONCRETE GUTTER BELOW ASPHALT LAYER.

REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01	3
-	---	-	---					
-	---	-	---					
-	---	-	---					



TRAFFIC DATA

CURRENT YEAR = 2022 AADT = 8930 (EST.)
DESIGN SPEED = 30 MPH

TYPICAL SECTION
EL PRADO BLVD.
FROM S. HUBERT AVE. TO S. LOIS AVE.
STA. 537+00 TO 543+23.86

EXISTING TRAVEL AND BIKE LANES
**MILL EXISTING ASPHALT PAVEMENT (3" DEPTH)
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (2")
FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (PG 76-22)

SIDE STREET MILLING & RESURFACING
MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)
FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (PG 76-22)

NOTE:

- * EXISTING CURB MAY BE CURB AND GUTTER WITH ASPHALT OVERLAY.
- ** MILLING DEPTH WILL ENCOUNTER CONCRETE PAVEMENT AND MAY ENCOUNTER CONCRETE GUTTER BELOW ASPHALT LAYER.

R E V I S I O N S				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			TYPICAL SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		
-	---	-	---						4

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN & CROSS DRAIN	CURB INLET			MANHOLE	REMARKS
						ROUND	COT TYPE 1	COT TYPE 2	TYPE 9	COT	
						18"	<10	<10	<10	PARTIAL	
P	S-1	503+05.00	LT	REPLACE INLET TOP				1			EXISTING COT TYPE 2 INLET TOP REPLACEMENT
F											
P	S-2	505+28.00	RT	REPLACE INLET TOP			1				EXISTING COT TYPE 1 INLET TOP REPLACEMENT
F											
P	S-3	510+90.00	LT	REPLACE MH COVER						1	REPLACE MH TOP & COVER W/ ROUND GRATE TOP
F											
P	S-4	511+11.27	LT	REPLACE INLET TOP			1				EXISTING COT TYPE 1 INLET TOP REPLACEMENT
F											
P	S-5	511+12.12	RT	NEW TYPE 1 INLET		53	1				REPLACE EXISTING INLET WITH NEW COT TYPE 1 INLET
F											
P	S-6	523+07.00	RT	REPLACE INLET TOP			1				EXISTING COT TYPE 1 INLET TOP REPLACEMENT AND CURB/THROAT REPAIR
F											
P	S-7	523+55.00	RT	REPLACE INLET TOP			1				EXISTING COT TYPE 1 INLET TOP REPLACEMENT
F											
P	S-8	531+30.00	LT	REPLACE MH TOP					1		CONVERT MH TO FDOT TYPE 9 CURB INLET
F											
SUBTOTALS				PLAN QUANTITY:		53	5	1	1	1	
				FINAL QUANTITY:							

R E V I S I O N S				JOSHUA S. BRADLEY, P.E. P.E. LICENSE NUMBER 60020 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.		
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY	FINANCIAL PROJECT ID	5
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GENERAL NOTES

1. CITY OF TAMPA STANDARD DRAWINGS ARE AVAILABLE AT THE CITY HALL ANNEX, 306 E. JACKSON STREET, 6TH FLOOR, EAST WING.

2. CALL SUNSHINE (1-800-432-4770) AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY.

3. WHEN IN CONFLICT, UTILITY POLES, GAS LINES, UNDERGROUND ELECTRIC AND TELEPHONE CABLES WILL BE RELOCATED BY THE RESPECTIVE UTILITY OWNERS AT THEIR OWN EXPENSE AS DIRECTED BY THE ENGINEER.

4. SPECIAL CARE MUST BE TAKEN TO PROTECT WATER LINES DURING CONSTRUCTION. PROVIDE SUPPORTS AS NECESSARY.

5. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

6. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:
(THOMAS YOUNG, P.S.M.)
(P.S.M. NO: 7044)
(ECHO UES, INC.)
(4806 GEORGE ROAD, SUITE 350, TAMPA, FL 33634)
(CERTIFICATE OF AUTHORIZATION: LB 8184)

7. 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 POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

8. BACK OF SIDEWALK FOR 5' SIDEWALK IS TO BE CONSTRUCTED AT EXISTING GRADE UNLESS OTHERWISE NOTED.

9. 6' SIDEWALK ADJACENT TO BACK OF CURB IS TO CONNECT TO BACK OF EXISTING CURB AND MAINTAIN ADA COMPLAINT CROSS SLOPE.

10. CONTRACTOR MAY NEED TO ADJUST MILLING DEPTH TO ACCOUNT FOR POSSIBLE ASPHALT OVERLAY ON TOP OF EXISTING GUTTER WIDTH TO AVOID DAMAGE TO EXISTING CURB AND GUTTER.

11. EXISTING DRAINAGE STRUCTURES WITHIN THE PROPOSED CONSTRUCTION LIMITS ARE TO REMAIN AS-IS UNLESS OTHERWISE NOTED IN THE PLANS.

12. REFER TO CITY OF TAMPA'S TRANSPORTATION TECHNICAL MANUAL FOR PROPOSED DRIVEWAY TYPES.

LIST OF UTILITY AGENCY OWNERS (UAOS)

UTILITY	CONTACT	PHONE
AT& T Trec	Martin Shaw	610-328-6465
Lumen (CENTURYLINK NETWORK RELATIONS)	Relocations@centurylink.com Relocations@Lumen.com	
CITY OF TAMPA SEWER	Richard Rivera	813-274-8957
CITY OF TAMPA WATER	Benjamin Freamon	813-274-3301
FIBERLIGHT LLC.	James Reese at james.reese@fiberlight.com & copy Michael Scolaro at Michael.scolaro@mtc-llc.com	214-205-7750 work 720-334-5577 work & 863-666-4363 cell
FRONTIER COMMUNICATIONS	Randy James	813-892-9692
MCI	James Barra	813-928-9881
SPECTRUM SUNSHINE STATE, LLC	Aaron Sweet	813-927-1716
TAMPA AIRPORT PIPELINE	CALVIN LOCKHART	813-839-0426
TAMPA ELECTRIC COMPANY	Heather Lovett	813-275-3433
TECO PEOPLES GAS	James Hamilton	813-275-3732
UNITI FIBER LLC	Terry Young	251-422-3874

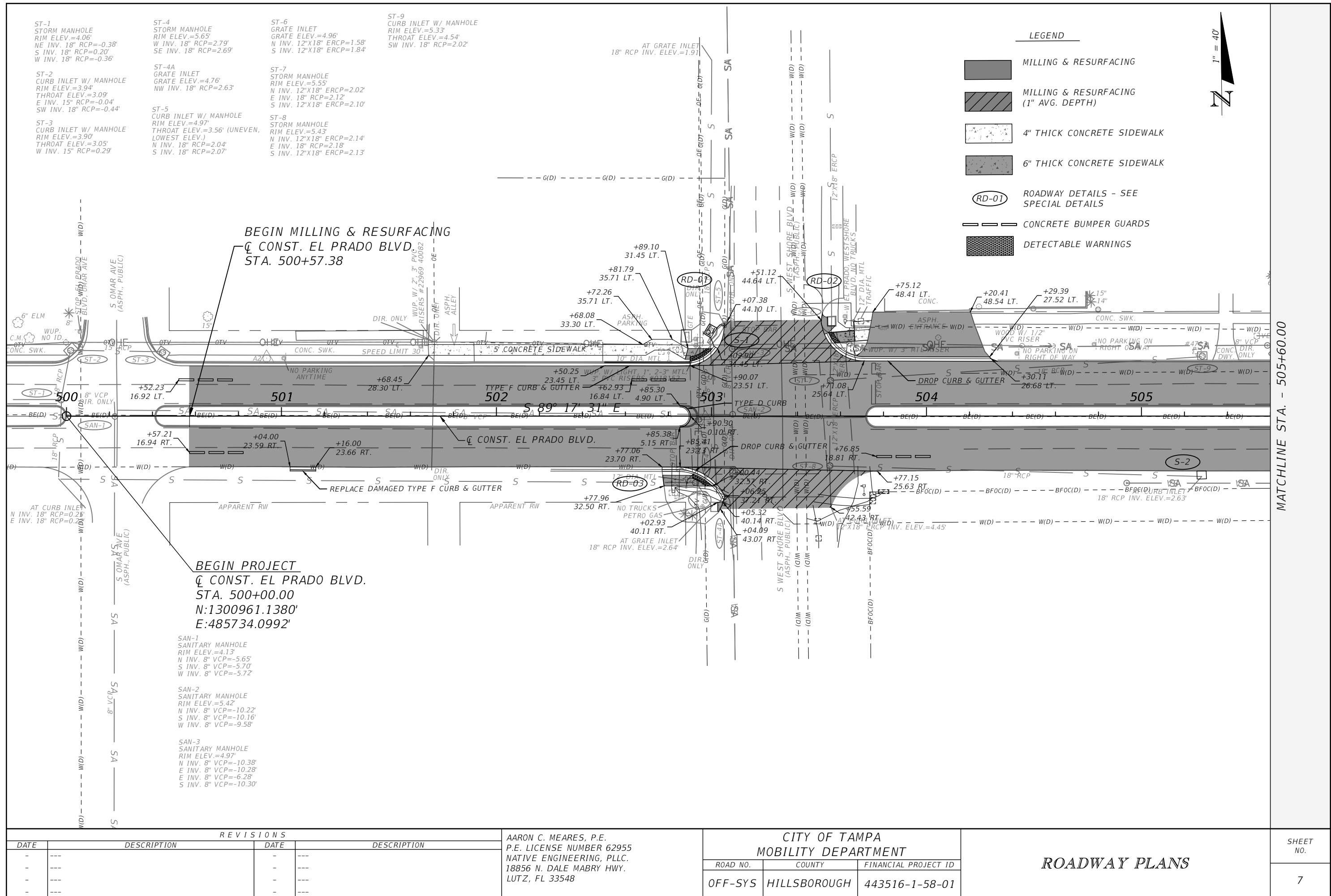
REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			GENERAL NOTES	SHEET NO.		
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY	FINANCIAL PROJECT ID	6
-	---		-		---		OFF-SYS		HILLSBOROUGH	443516-1-58-01	
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Richard Paulin

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ST-11
CURB INLET
THROAT ELEV.=3.83'
S INV. 18" RCP=1.45'
W INV. 24" RCP=1.51'

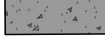
SAN-4
SANITARY MANHOLE
RIM ELEV.=5.41'
E INV. 8" VCP=-5.70'
W INV. 8" VCP=-5.67'

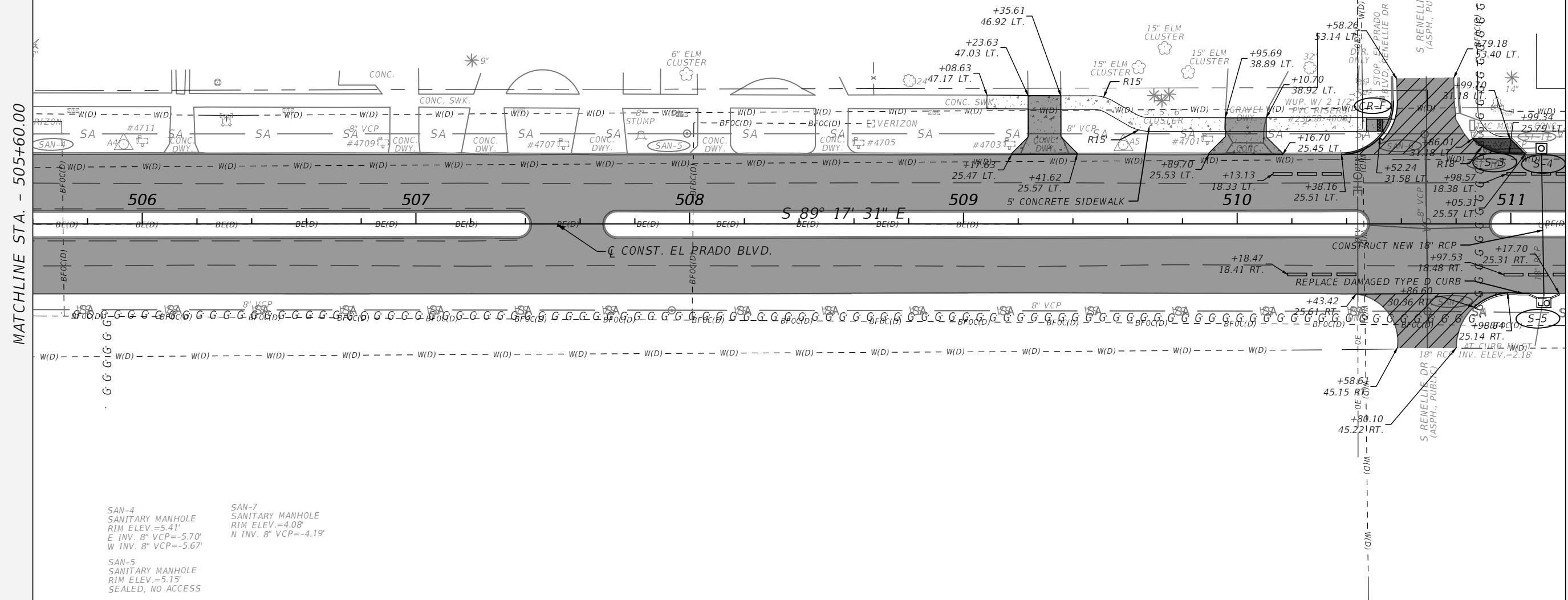
SAN-5
SANITARY MANHOLE
RIM ELEV.=5.15'
SEALED, NO ACCESS

SAN-6
SANITARY MANHOLE
RIM ELEV.=4.12'
E INV. 8" VCP=-4.13'
S INV. 8" VCP=-4.21'
W INV. 8" VCP=-4.21'

SAN-7
SANITARY MANHOLE
RIM ELEV.=4.08'
N INV. 8" VCP=-4.19'

LEGEND

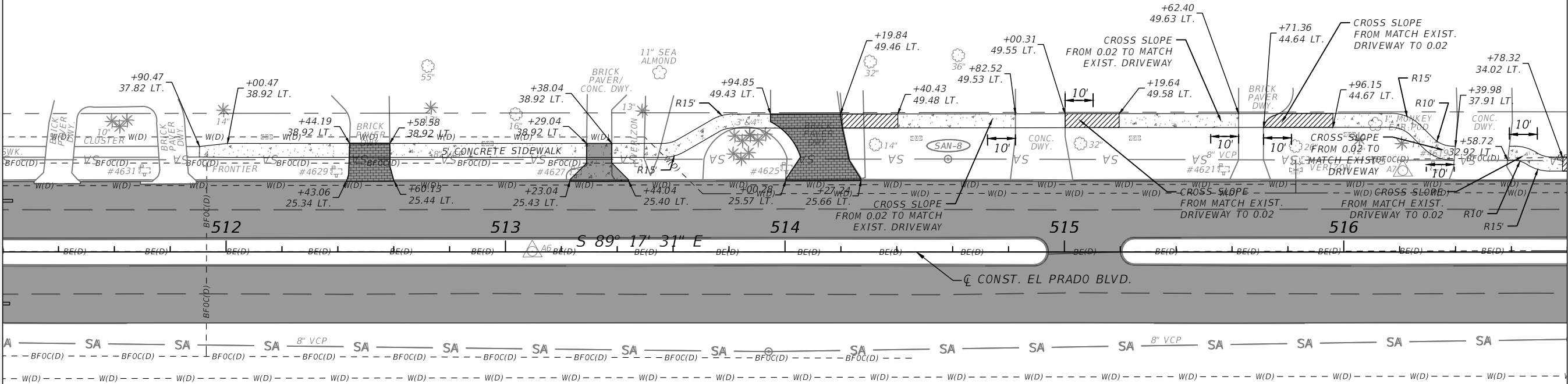
- | | |
|---|--|
|  | MILLING & RESURFACING |
|  | MILLING & RESURFACING
(1" AVG. DEPTH) |
|  | NEW ROADWAY ASPHALT PAVEMENT |
|  | 4" THICK CONCRETE SIDEWALK |
|  | 6" THICK CONCRETE SIDEWALK/DRIVEWAY PAVEMENT |
|  | CONCRETE BUMPER GUARDS |
|  | DETECTABLE WARNINGS |



R E V I S I O N S				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			ROADWAY PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		8
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		
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THE OFFICIAL RECORD OF THIS DRAWING IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

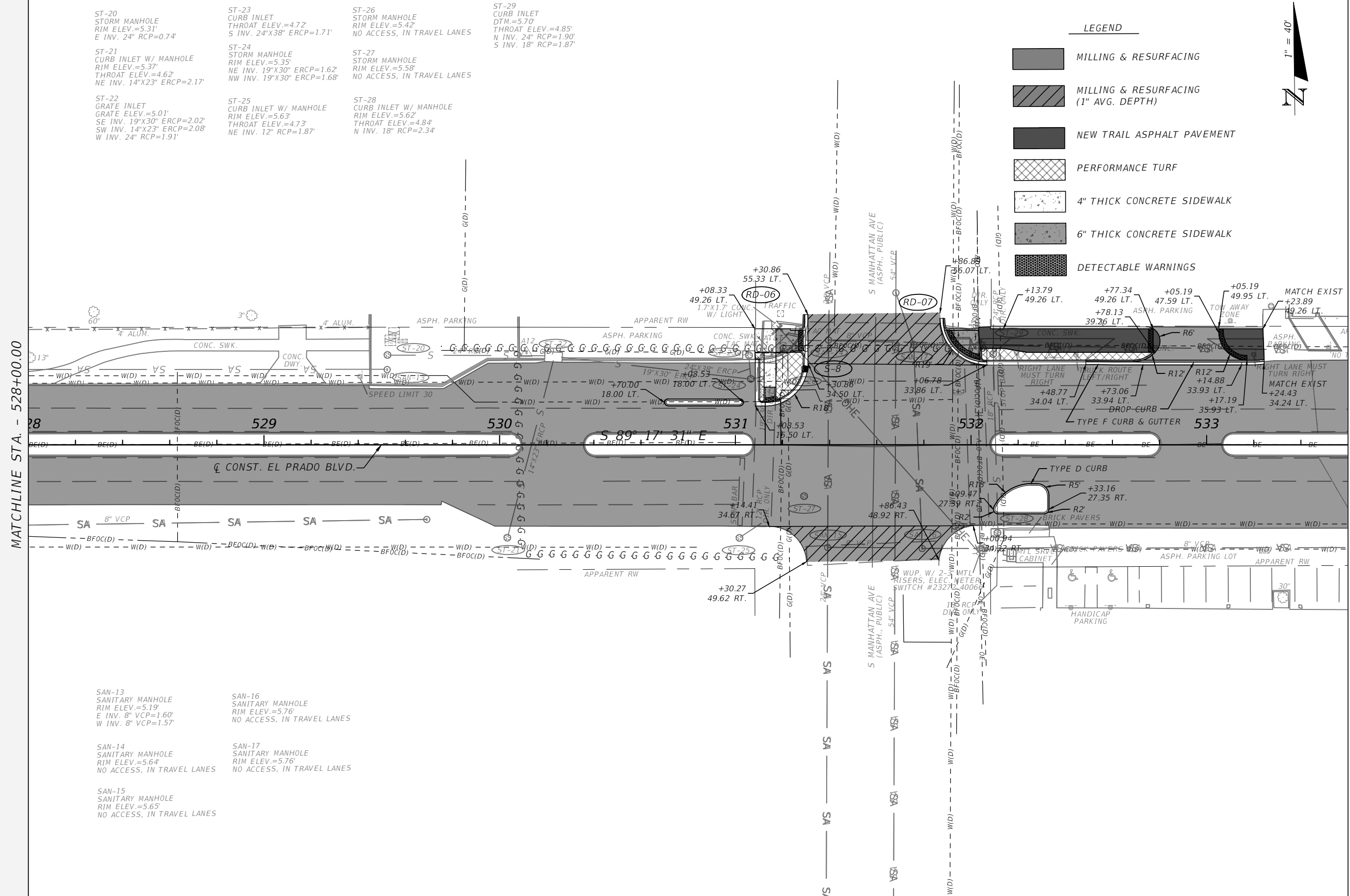
MATCHLINE STA. - 511+20.00



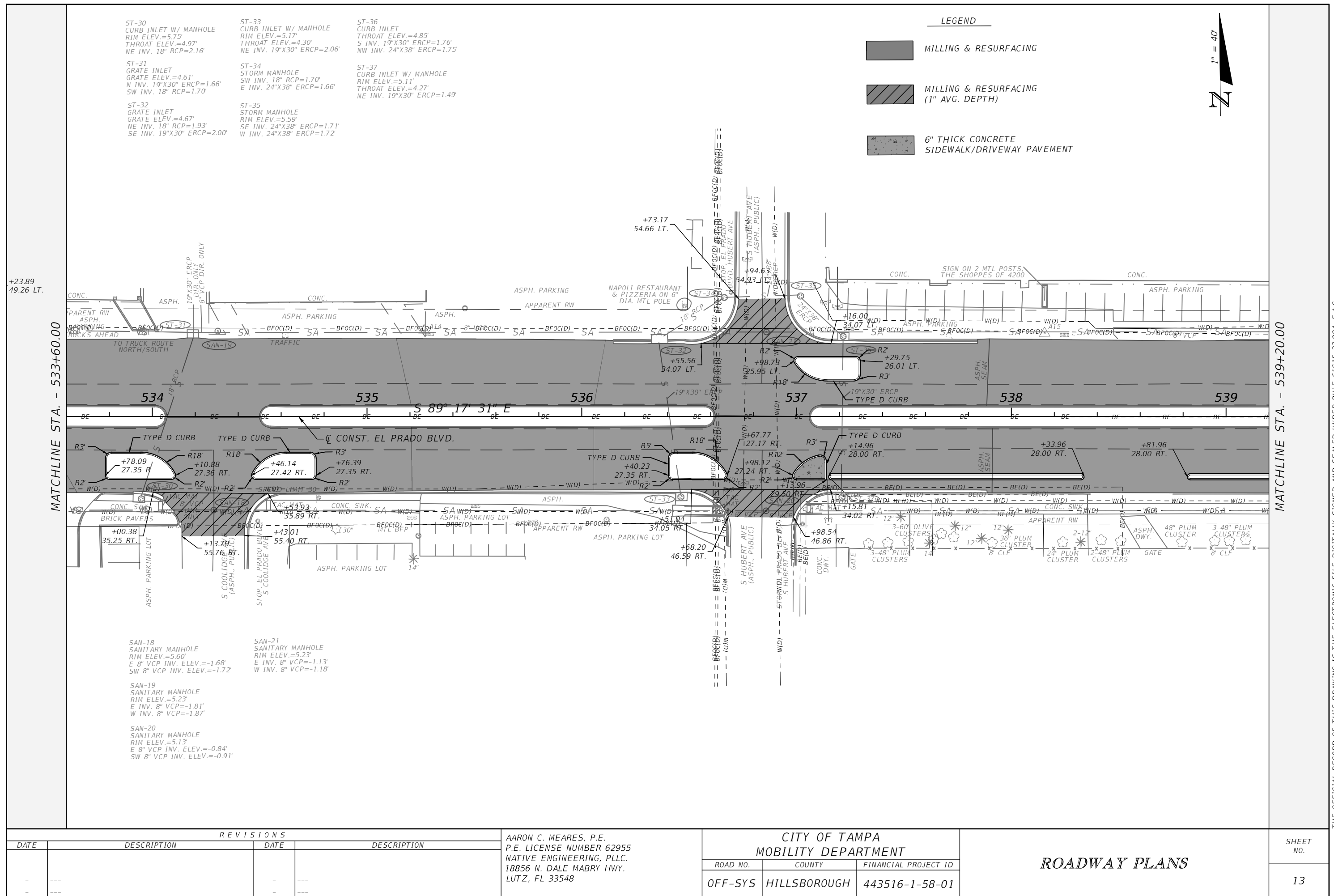
SAN-8
SANITARY MANHOLE
RIM ELEV.=5.42'
E INV. 8" VCP=-3.58'
W INV. 8" VCP=-3.52'

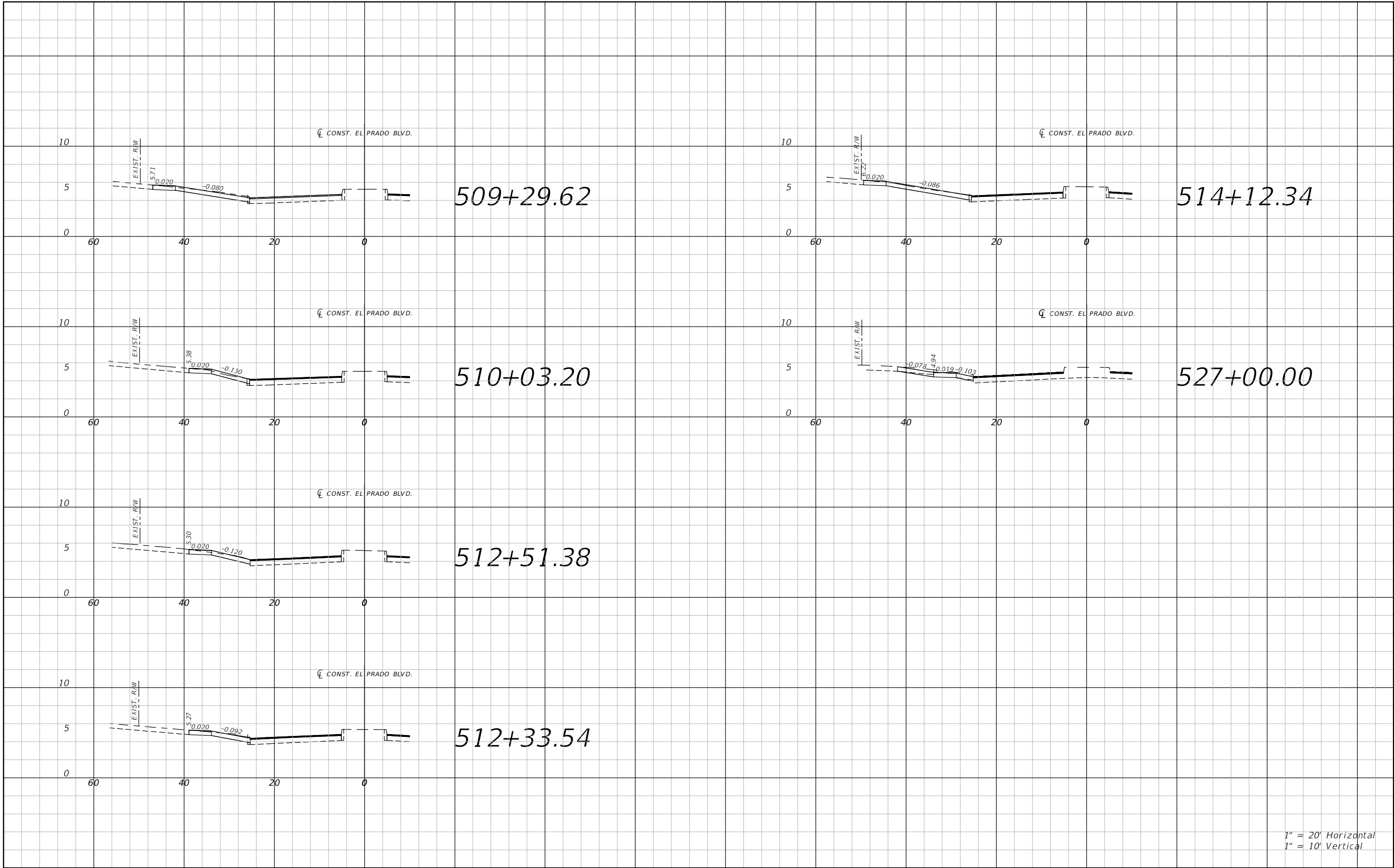
MATCHLINE STA. - 516+80.00

REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			ROADWAY PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		9
-	---	-	---						



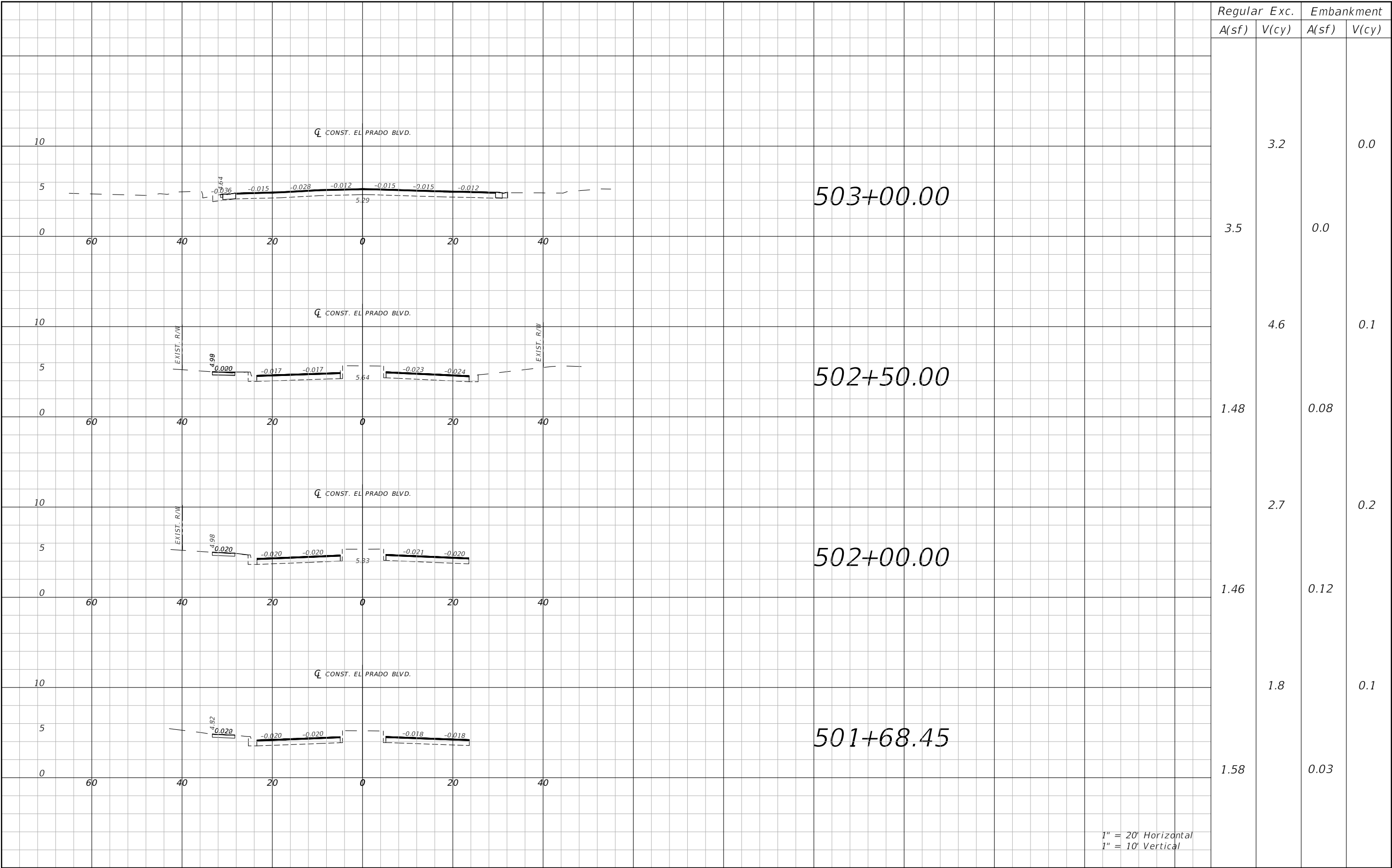
R E V I S I O N S				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			ROADWAY PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		
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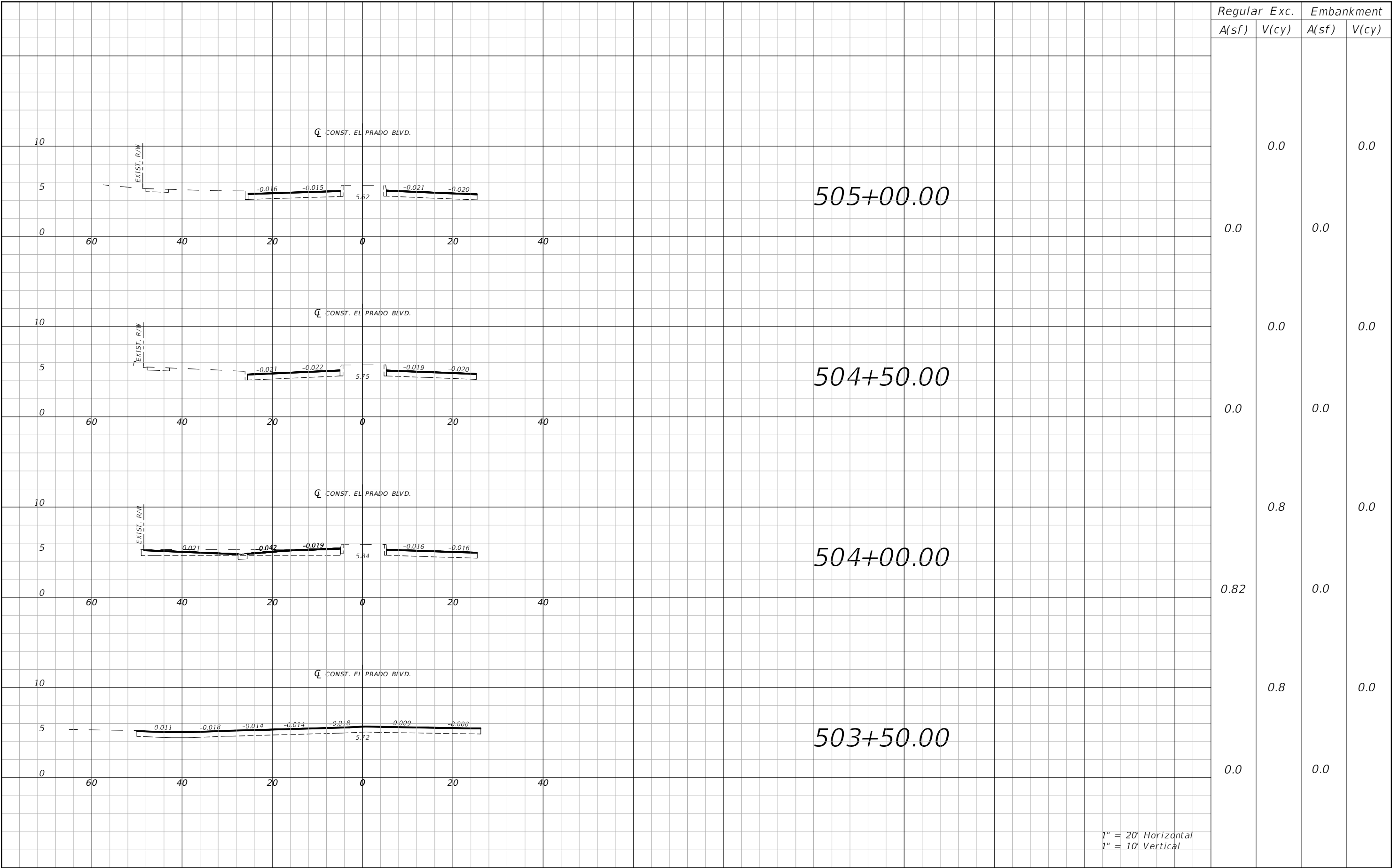
1" = 20' Horizontal
1" = 10' Vertical

REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			<i>DRIVEWAY PROFILES</i>	SHEET NO.	
DATE	DESCRIPTION		DATE		DESCRIPTION					
-	---		-		---		ROAD NO.		COUNTY	FINANCIAL PROJECT ID
-	---		-		---		OFF-SYS		HILLSBOROUGH	443516-1-58-01
-	---		-		---					
-	---		-	---					15	



REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		16
-	---	-	---						

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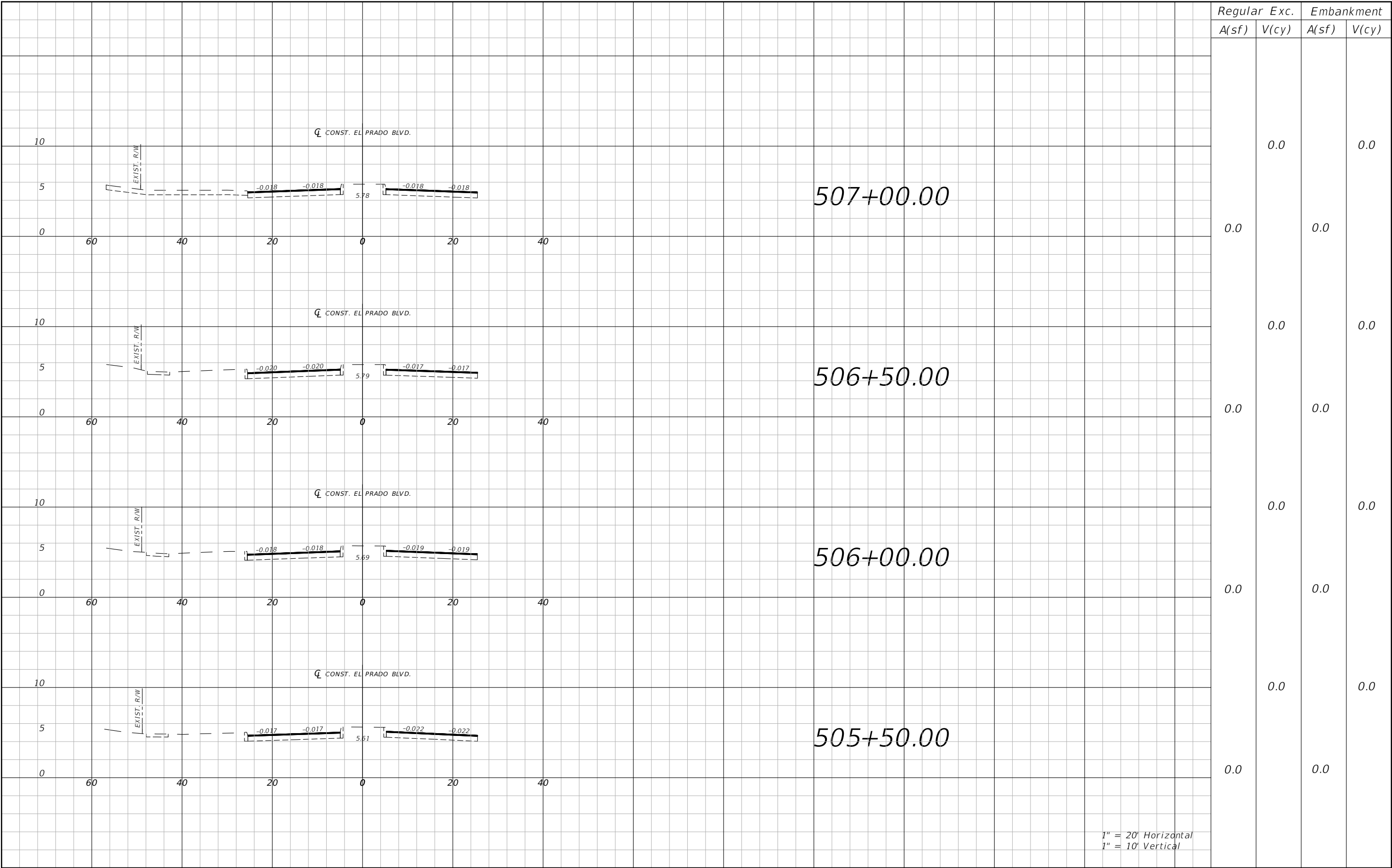


Regular		Exc.	Embankment	
A(sf)	V(cy)		A(sf)	V(cy)

0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.82	0.8	0.0	0.0	0.0
0.0	0.8	0.0	0.0	0.0

1" = 20' Horizontal
1" = 10' Vertical

REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO. 17
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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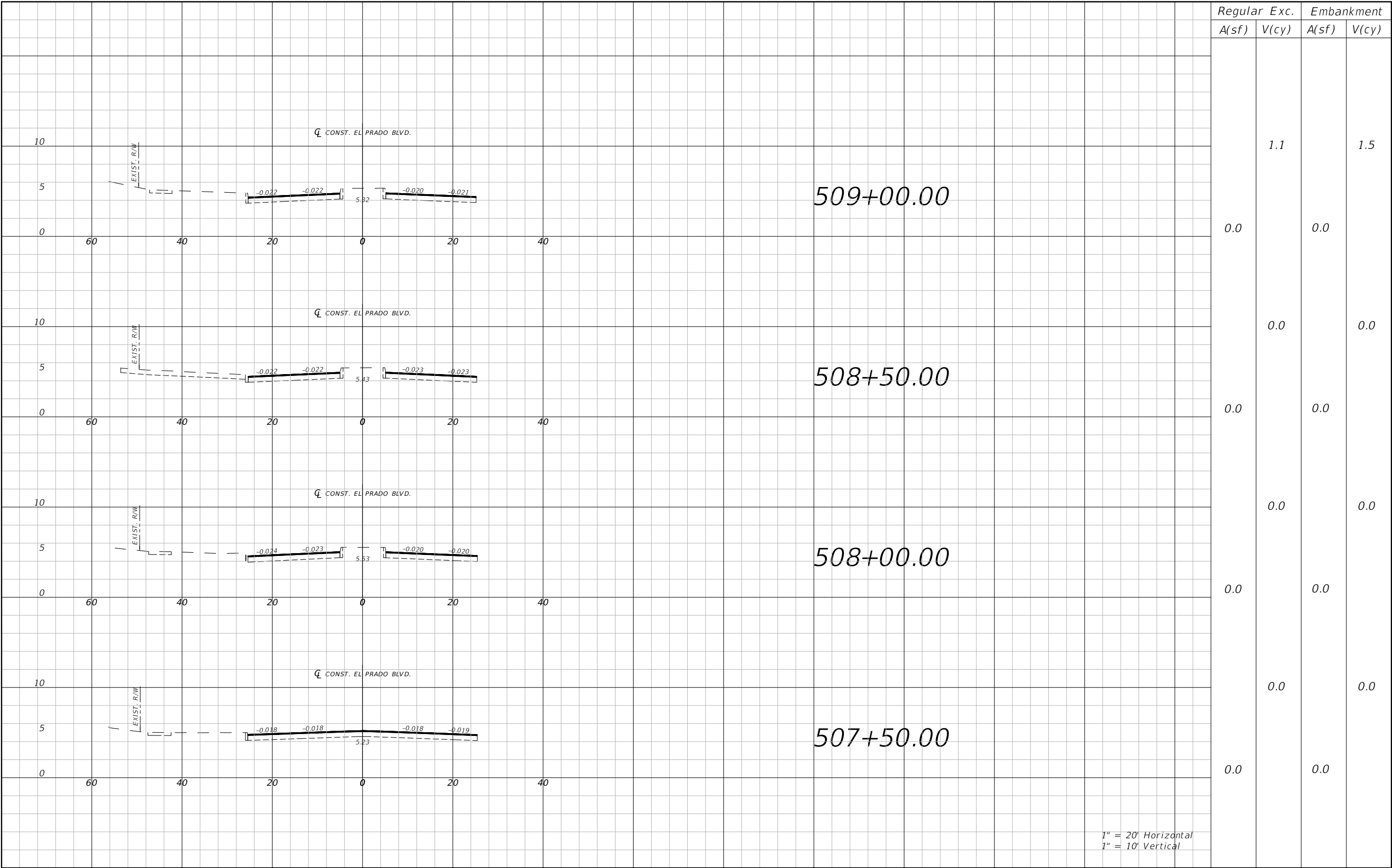


Regular		Exc.	Embankment	
A(sf)	V(cy)		A(sf)	V(cy)

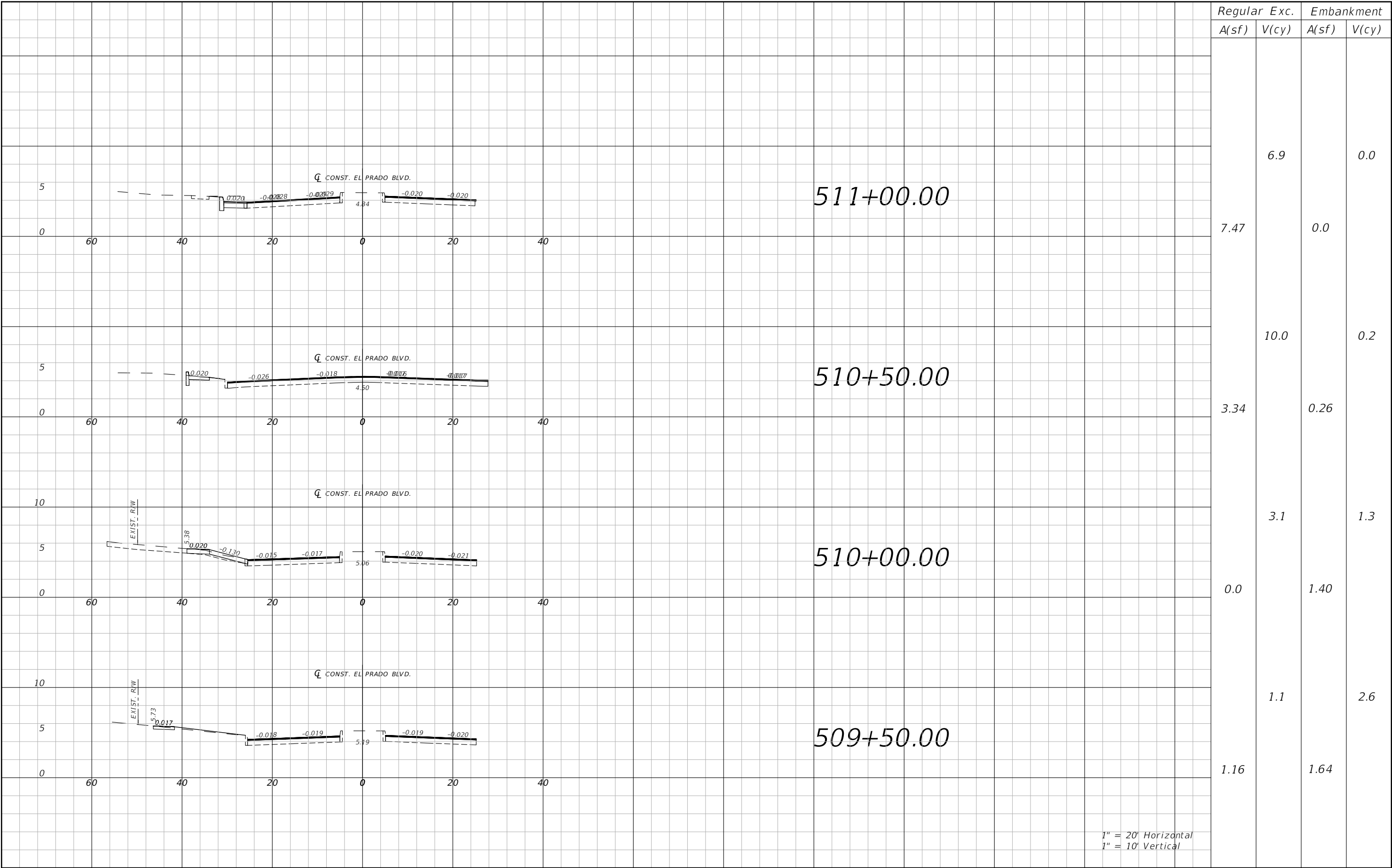
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

1" = 20' Horizontal
1" = 10' Vertical

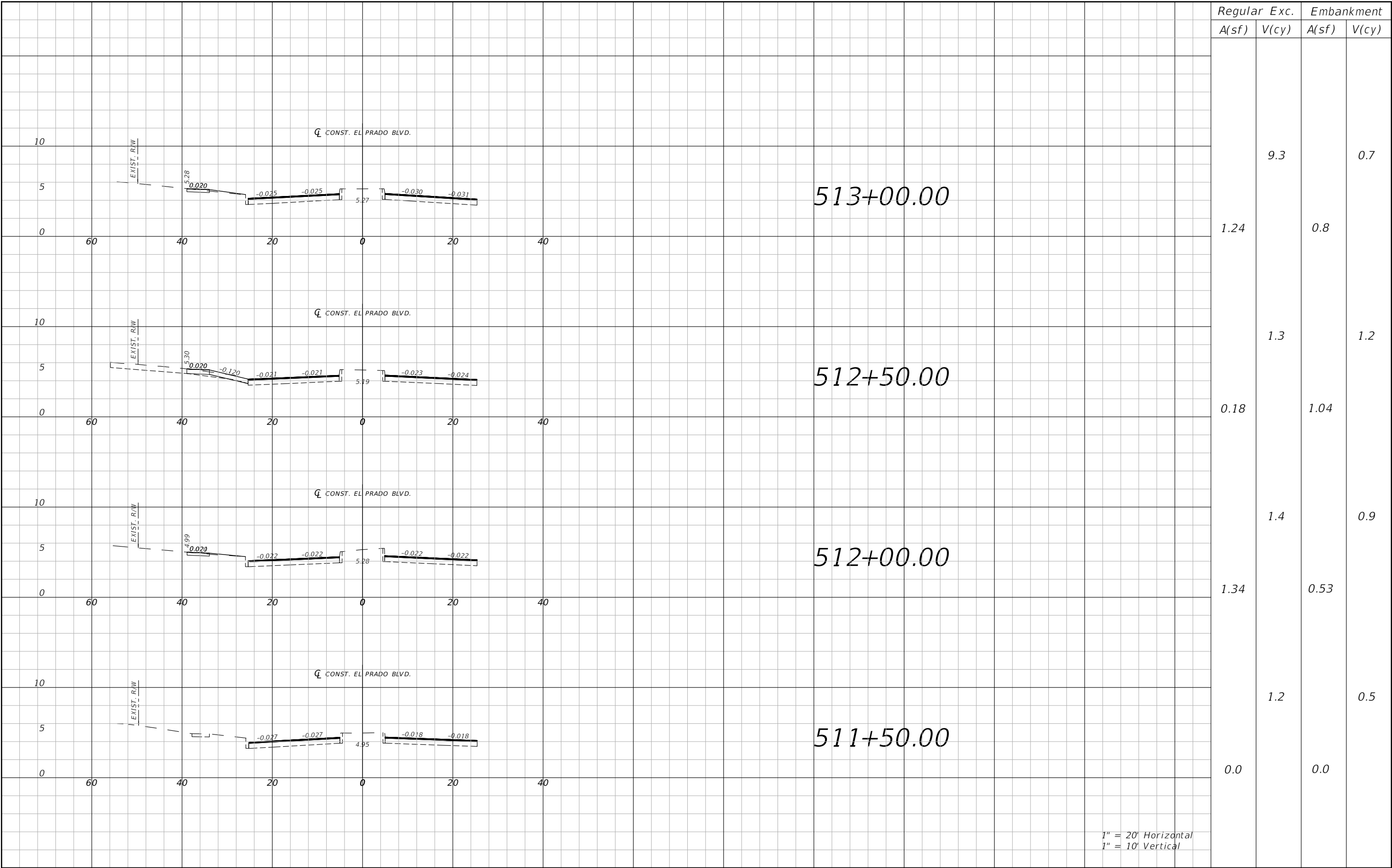
REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---		-	---	OFF-SYS	HILLSBOROUGH	443516-1-58-01		
-	---		-	---					18



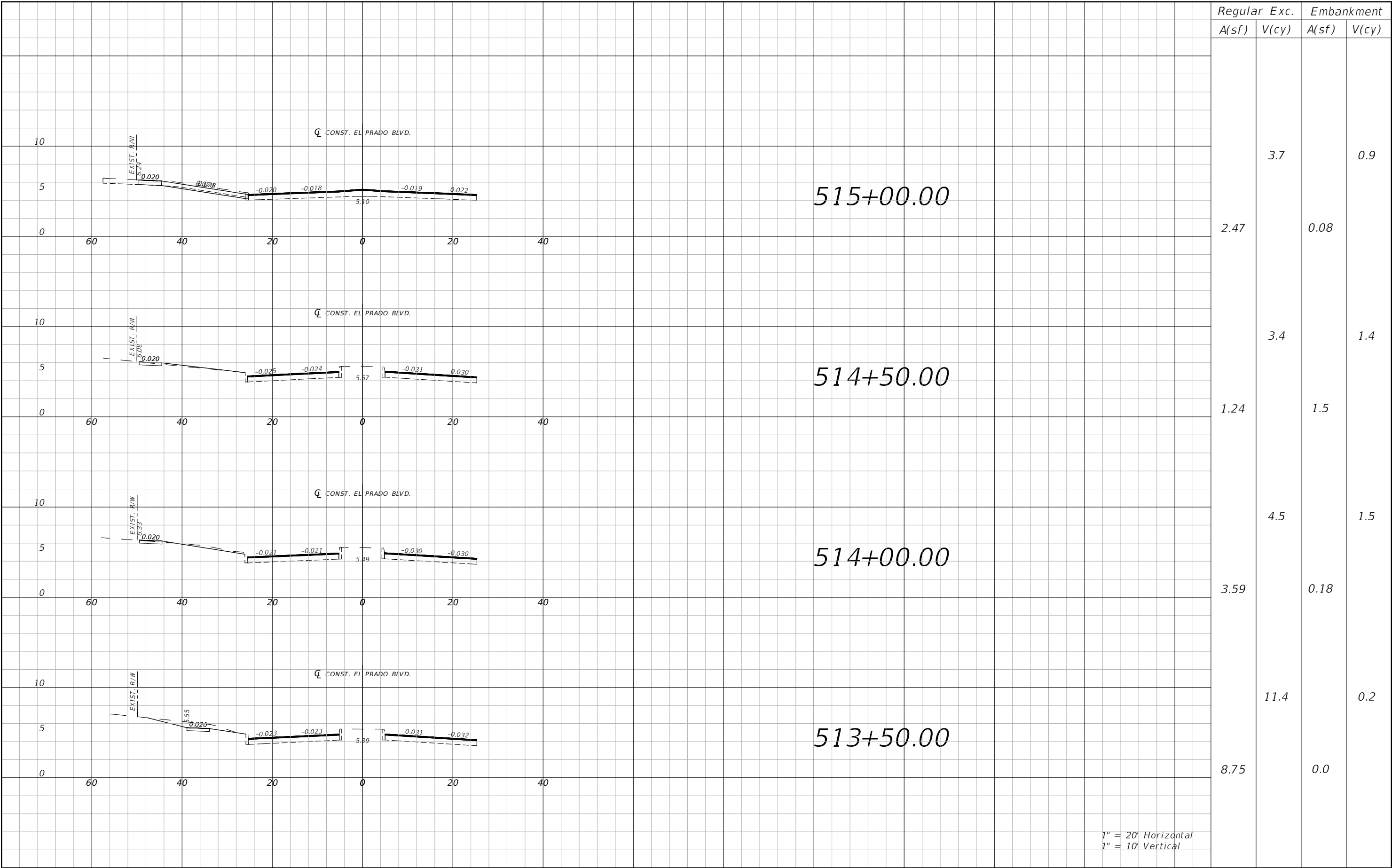
REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		
-	---	-	---						19



R E V I S I O N S				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS	SHEET NO.	
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY	FINANCIAL PROJECT ID
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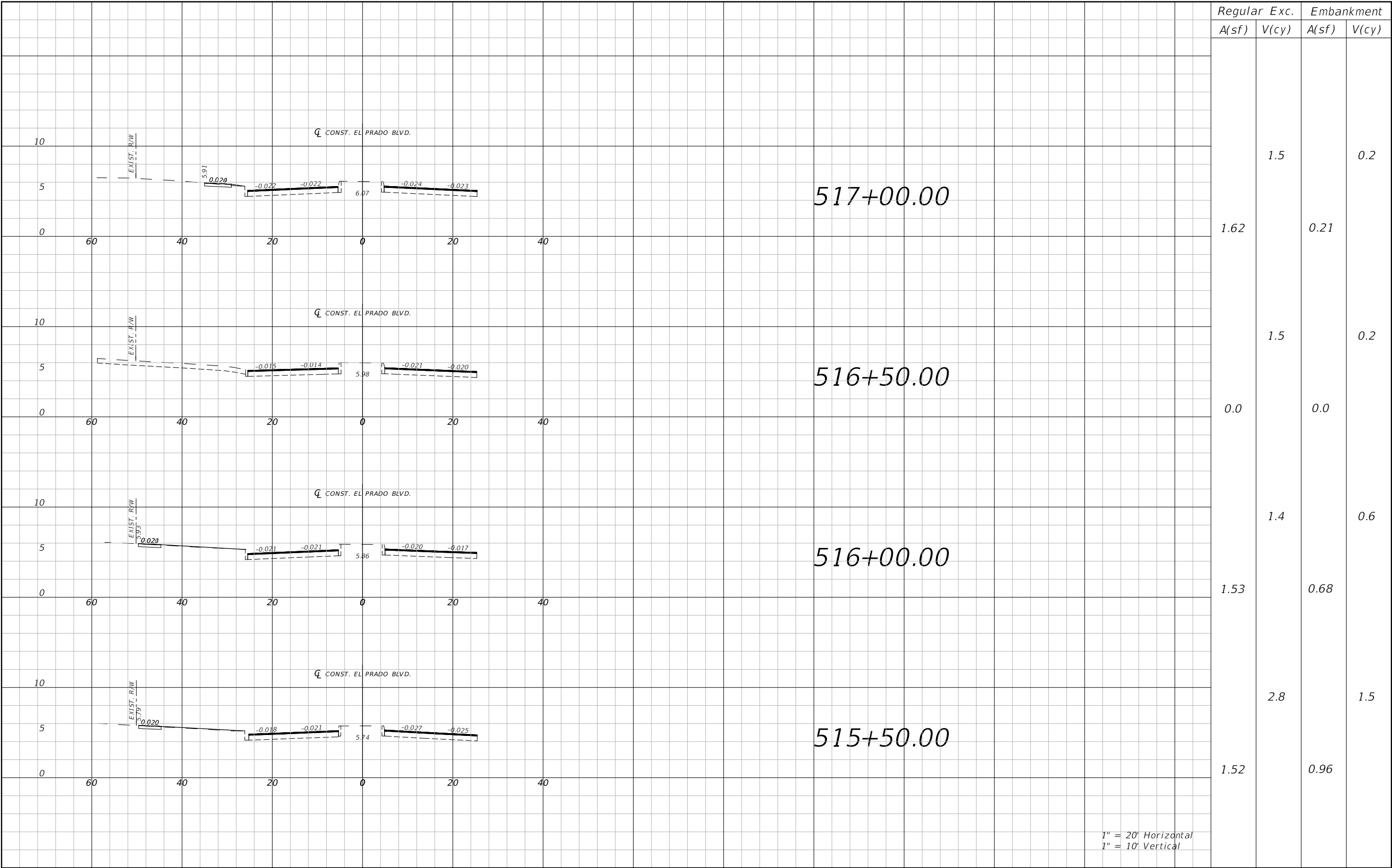


R E V I S I O N S				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS	SHEET NO.	
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY	FINANCIAL PROJECT ID
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1" = 20' Horizontal
1" = 10' Vertical

R E V I S I O N S				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS	SHEET NO.	
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY	FINANCIAL PROJECT ID
-	---		-		---		OFF-SYS		HILLSBOROUGH	443516-1-58-01
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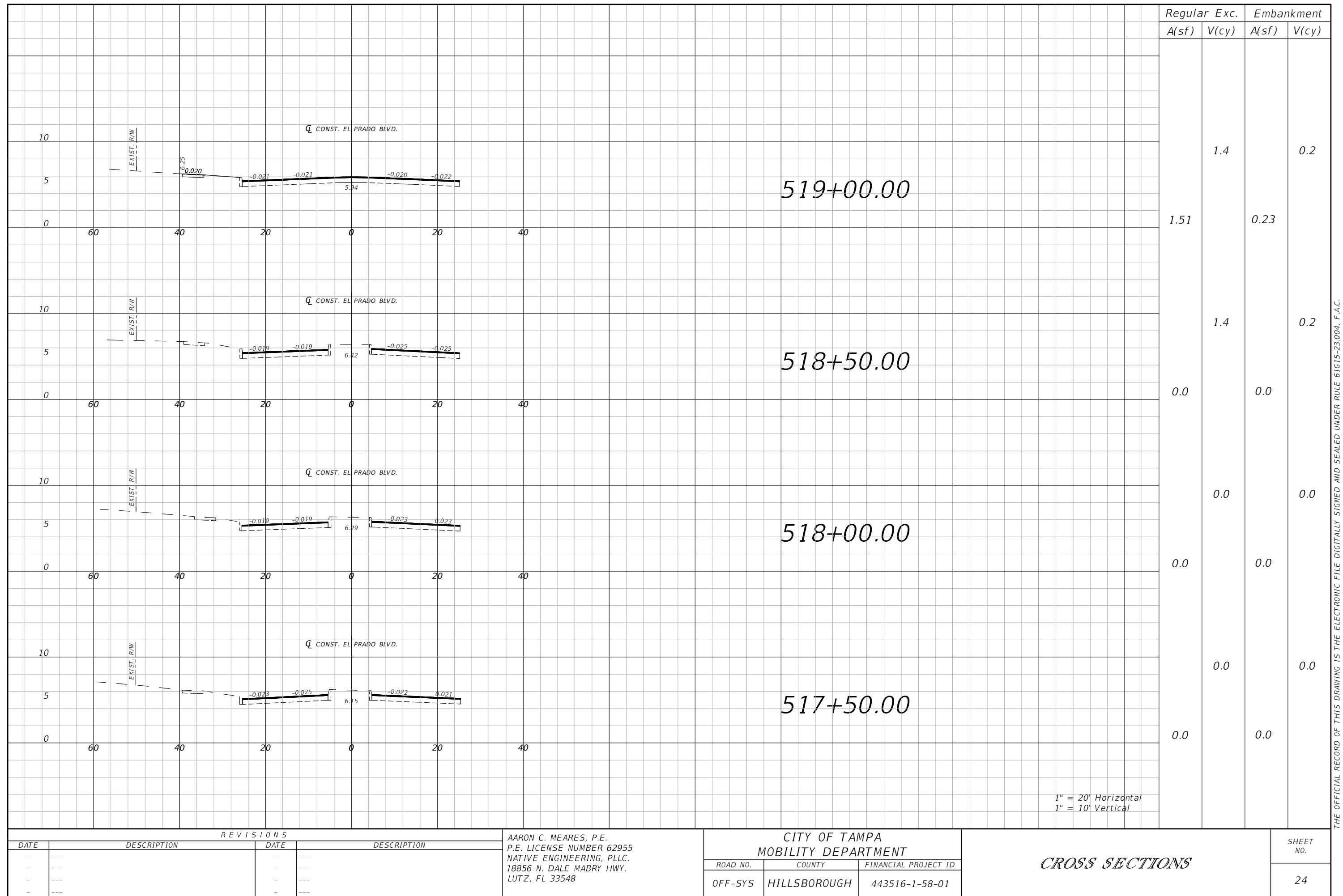


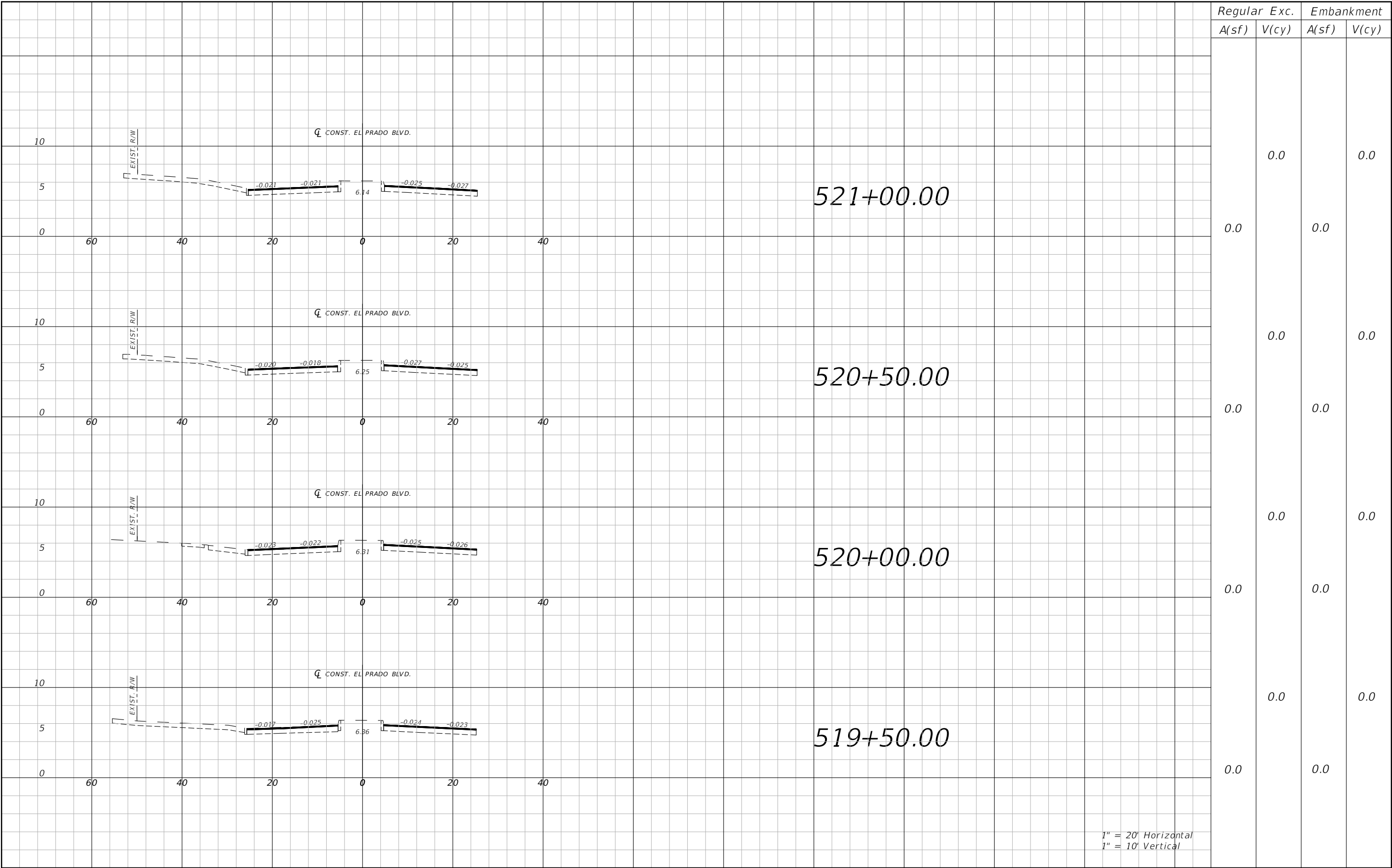
Regular		Exc.	Embankment	
A(sf)	V(cy)		A(sf)	V(cy)

		1.5		0.2
1.62			0.21	
		1.5		0.2
0.0			0.0	
		1.4		0.6
1.53			0.68	
	2.8			1.5
1.52			0.96	

1" = 20' Horizontal
1" = 10' Vertical

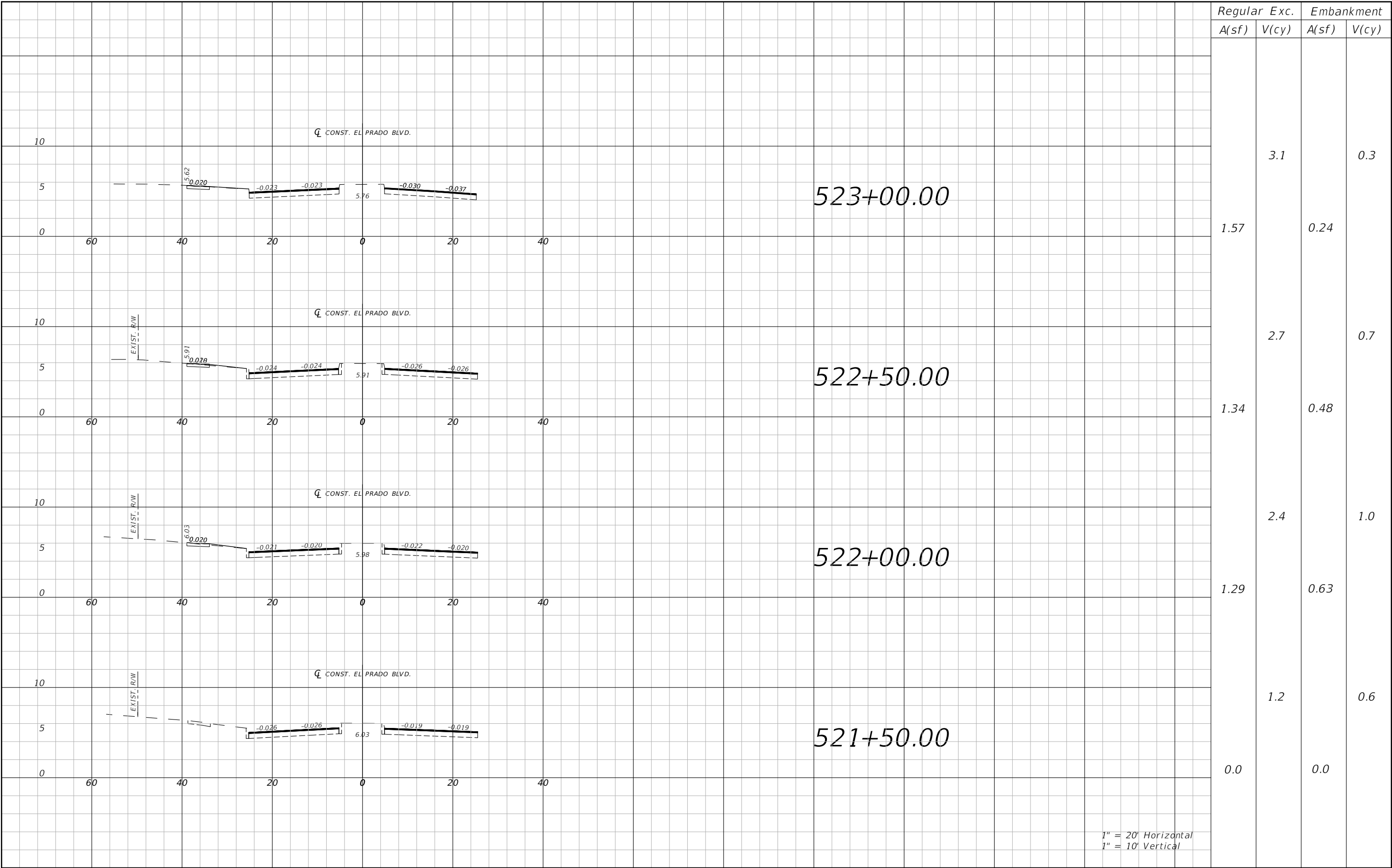
REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO. 23
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
-	---		-		OFF-SYS	HILLSBOROUGH	443516-1-58-01	
-	---		-					





1" = 20' Horizontal
1" = 10' Vertical

REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		
-	---	-	---						25

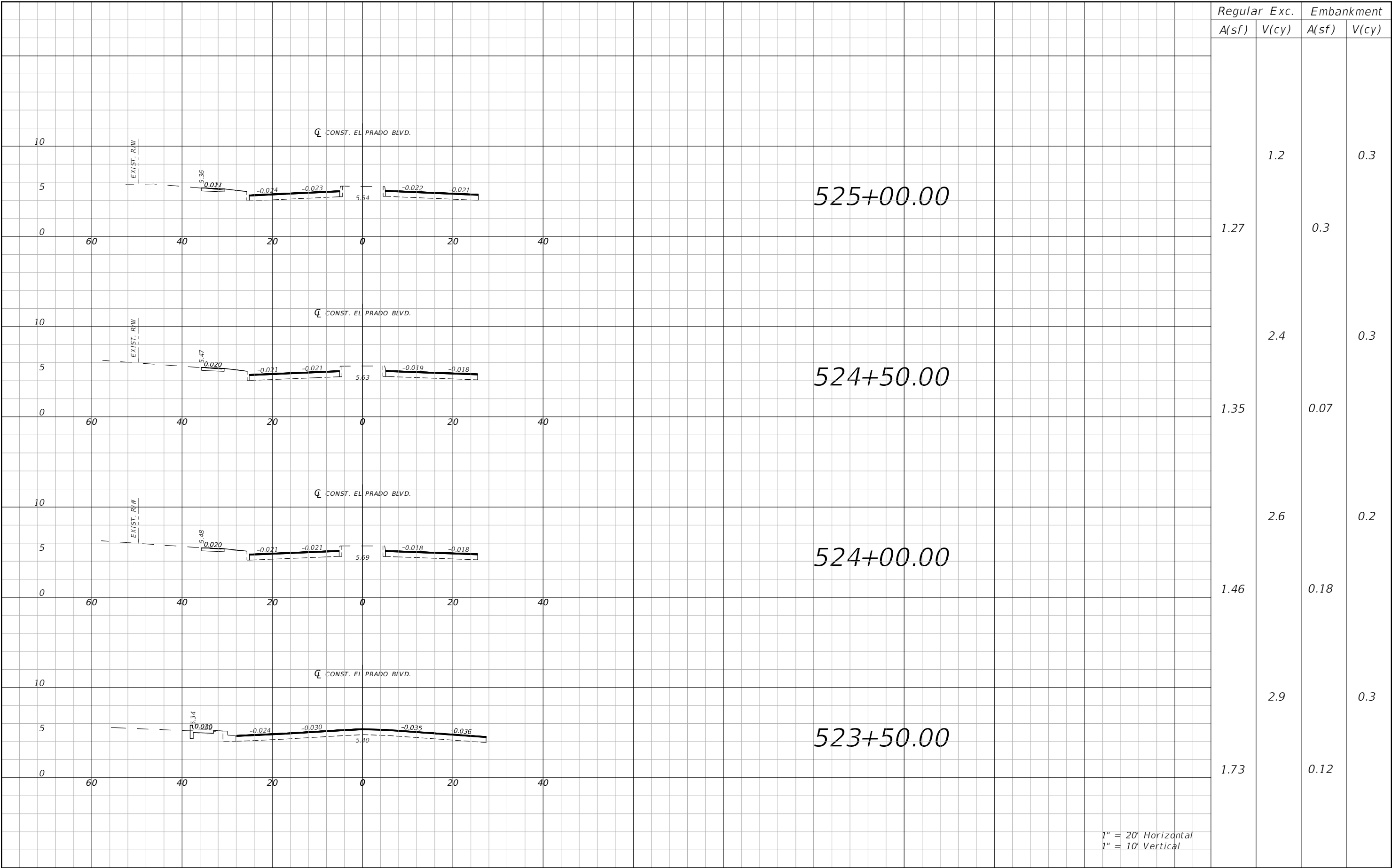


Regular		Exc.	Embankment	
A(sf)	V(cy)		A(sf)	V(cy)

1.57	3.1	0.24	0.3
1.34	2.7	0.48	0.7
1.29	2.4	0.63	1.0
0.0	1.2	0.0	0.6

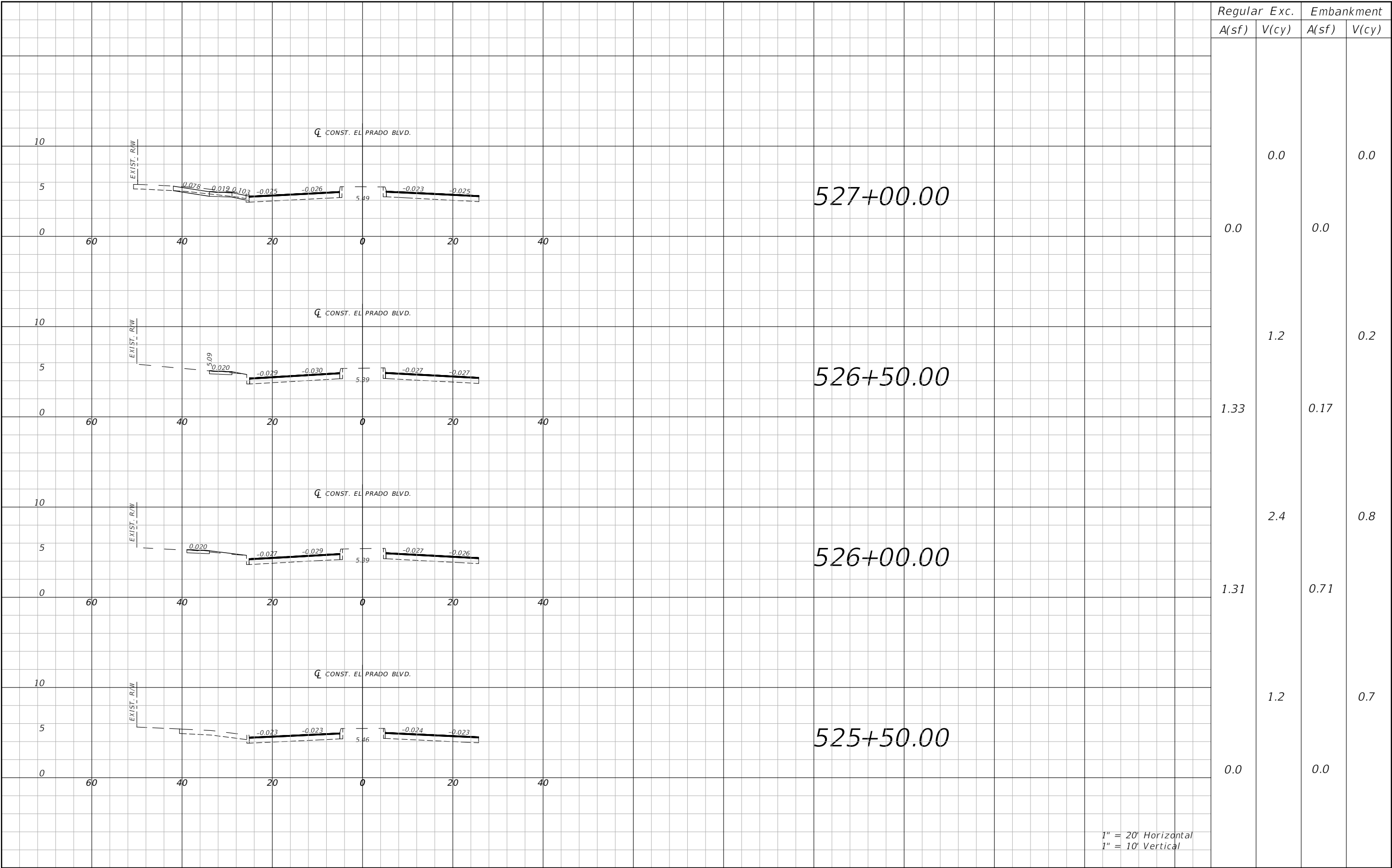
1" = 20' Horizontal
1" = 10' Vertical

REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO. 26
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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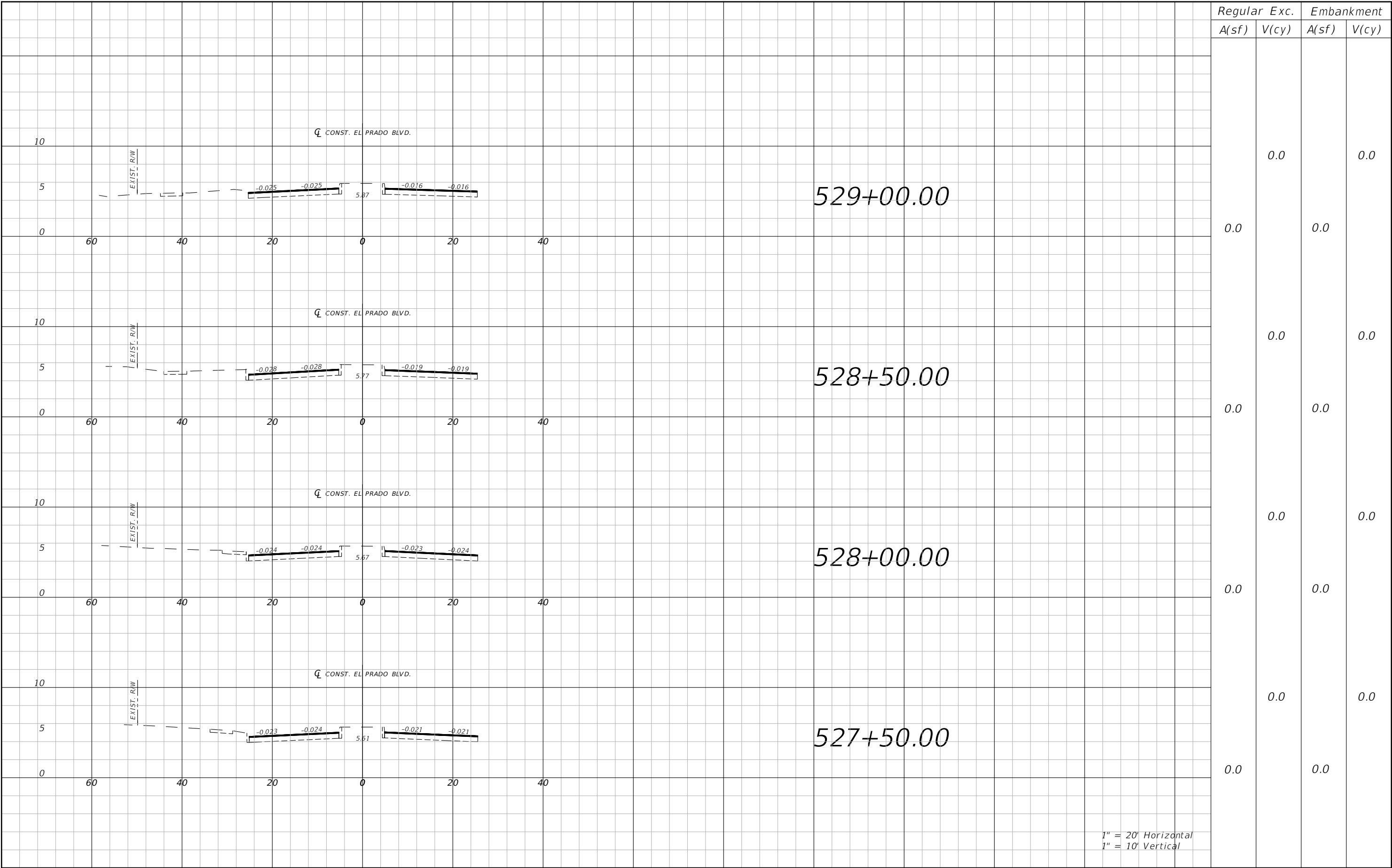
1" = 20' Horizontal
1" = 10' Vertical

R E V I S I O N S				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS	SHEET NO.	
DATE	DESCRIPTION		DATE		DESCRIPTION					
-	---		-		---		ROAD NO.		COUNTY	FINANCIAL PROJECT ID
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-	---		-	---					27	



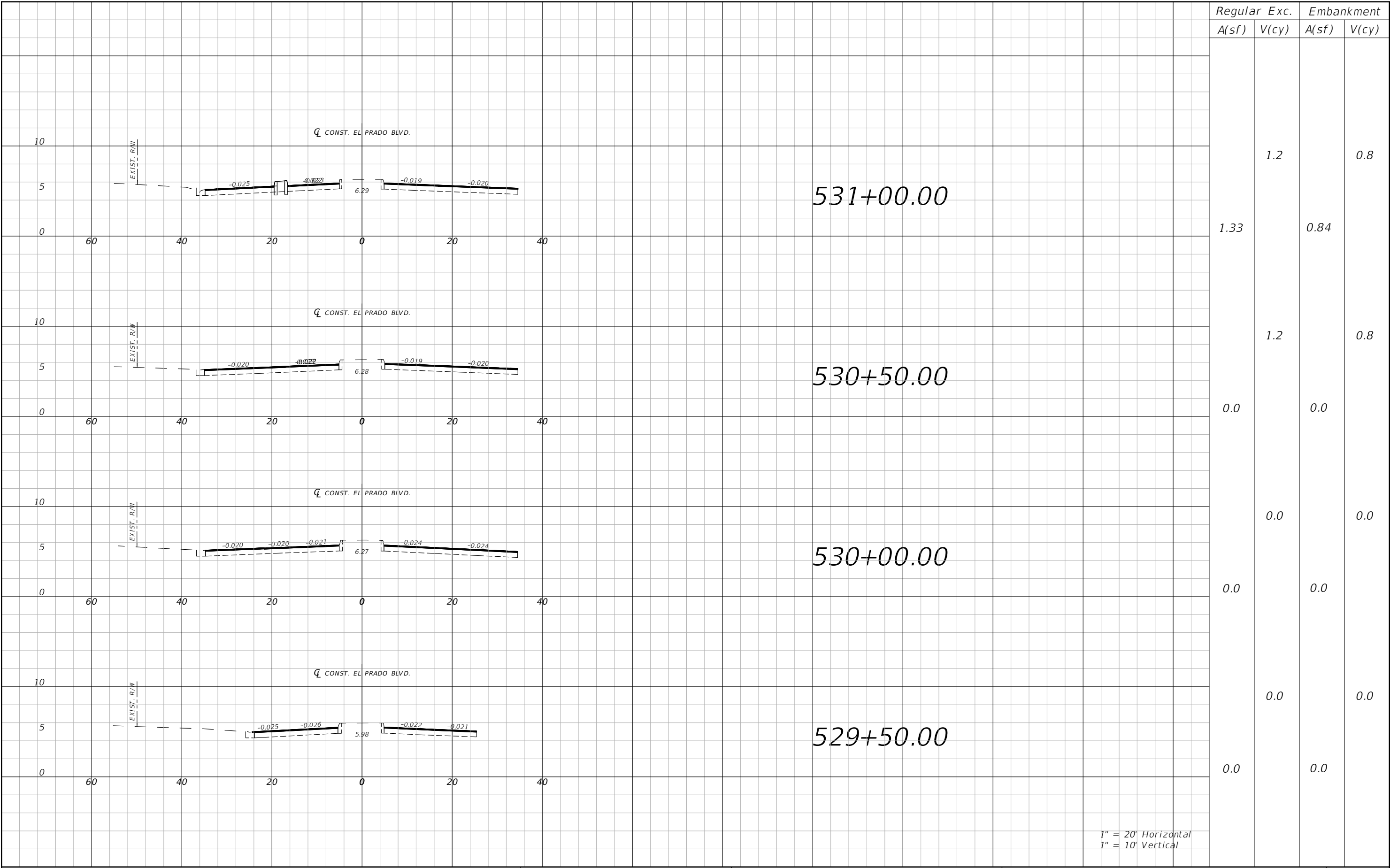
1" = 20' Horizontal
1" = 10' Vertical

R E V I S I O N S				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS	SHEET NO.	
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY	FINANCIAL PROJECT ID
-	---		-		---		OFF-SYS		HILLSBOROUGH	443516-1-58-01
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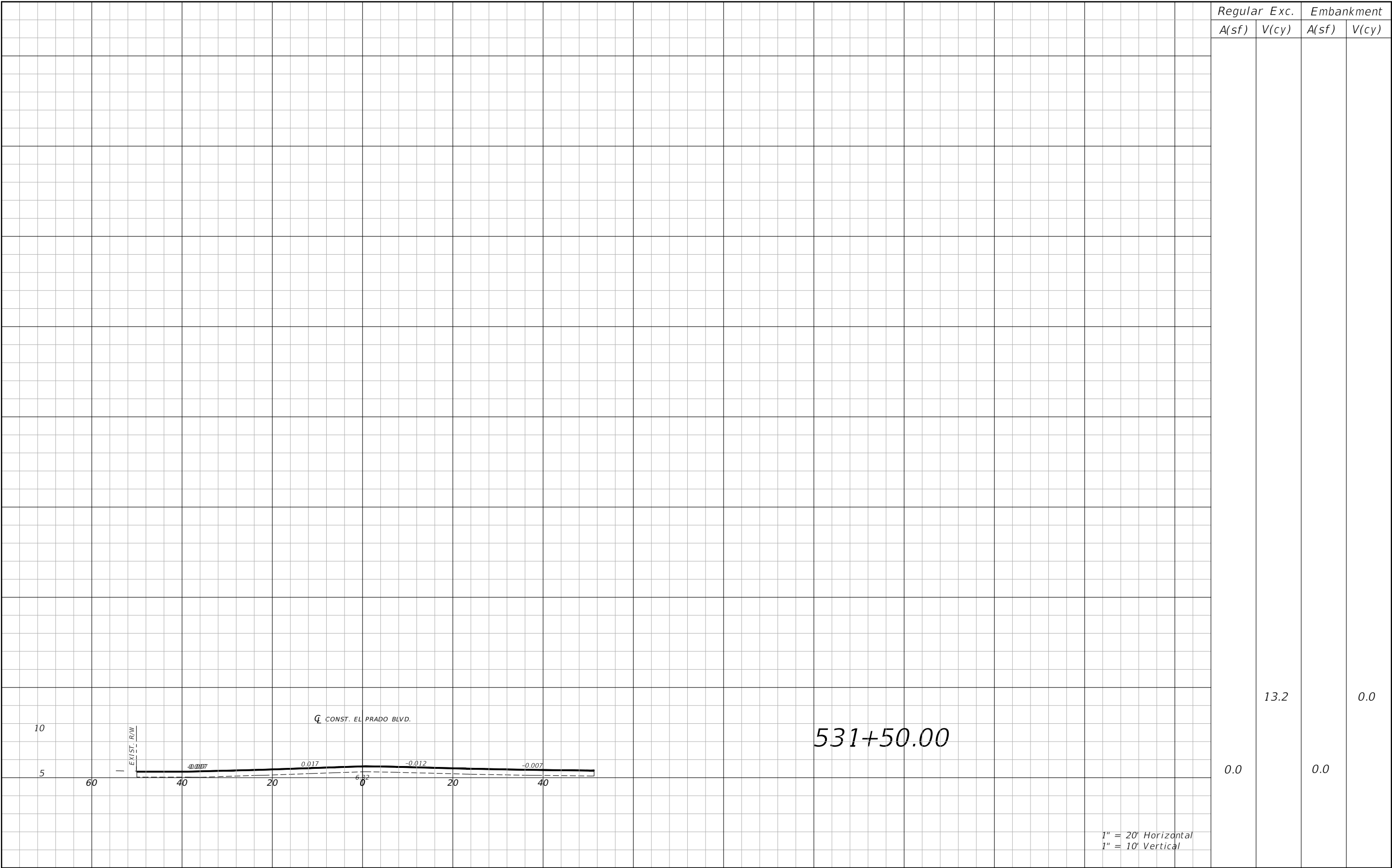


1" = 20' Horizontal
1" = 10' Vertical

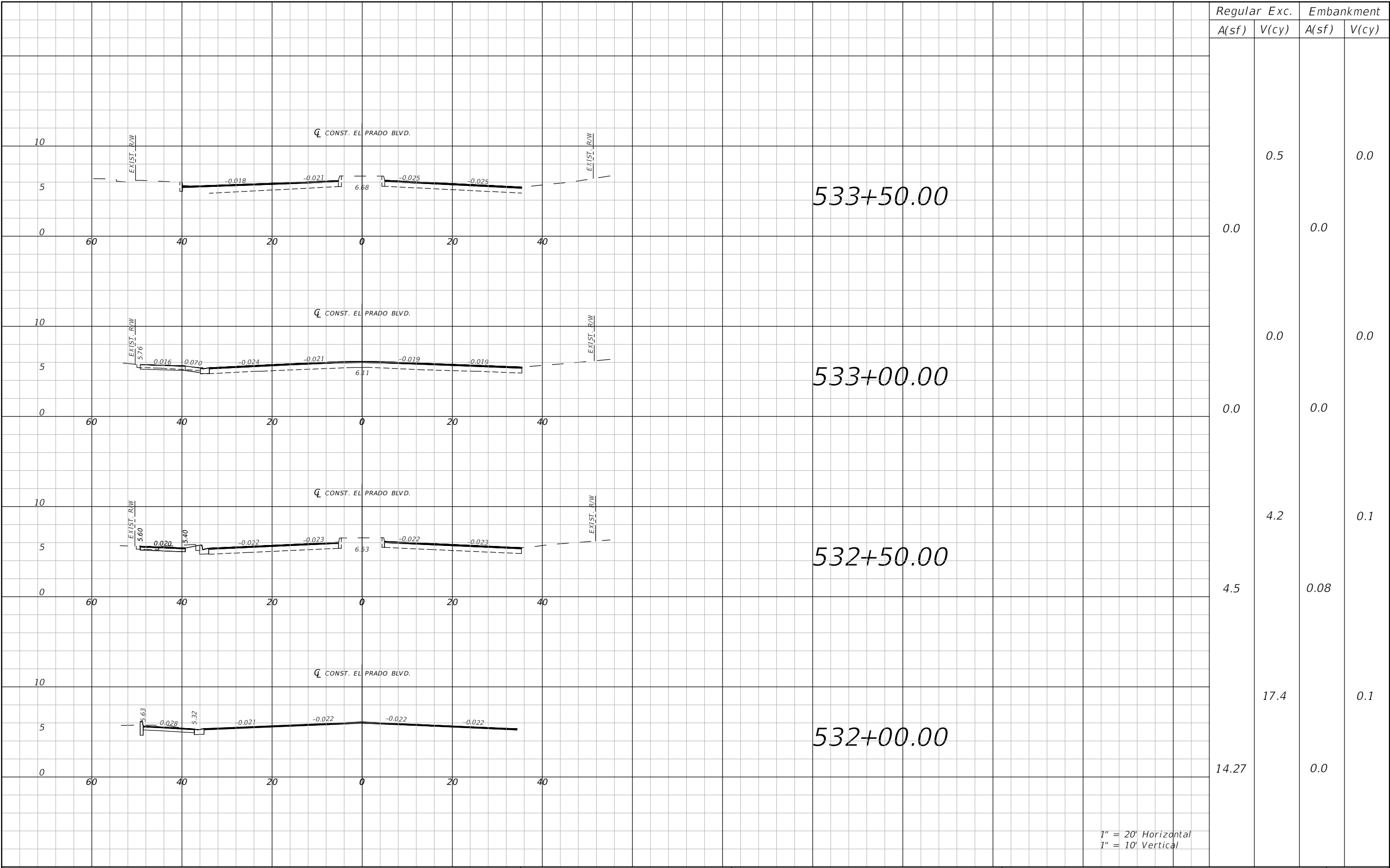
REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		
-	---	-	---						29



REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
-	---	-	---		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		30



REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01			
-	---	-	---					31		

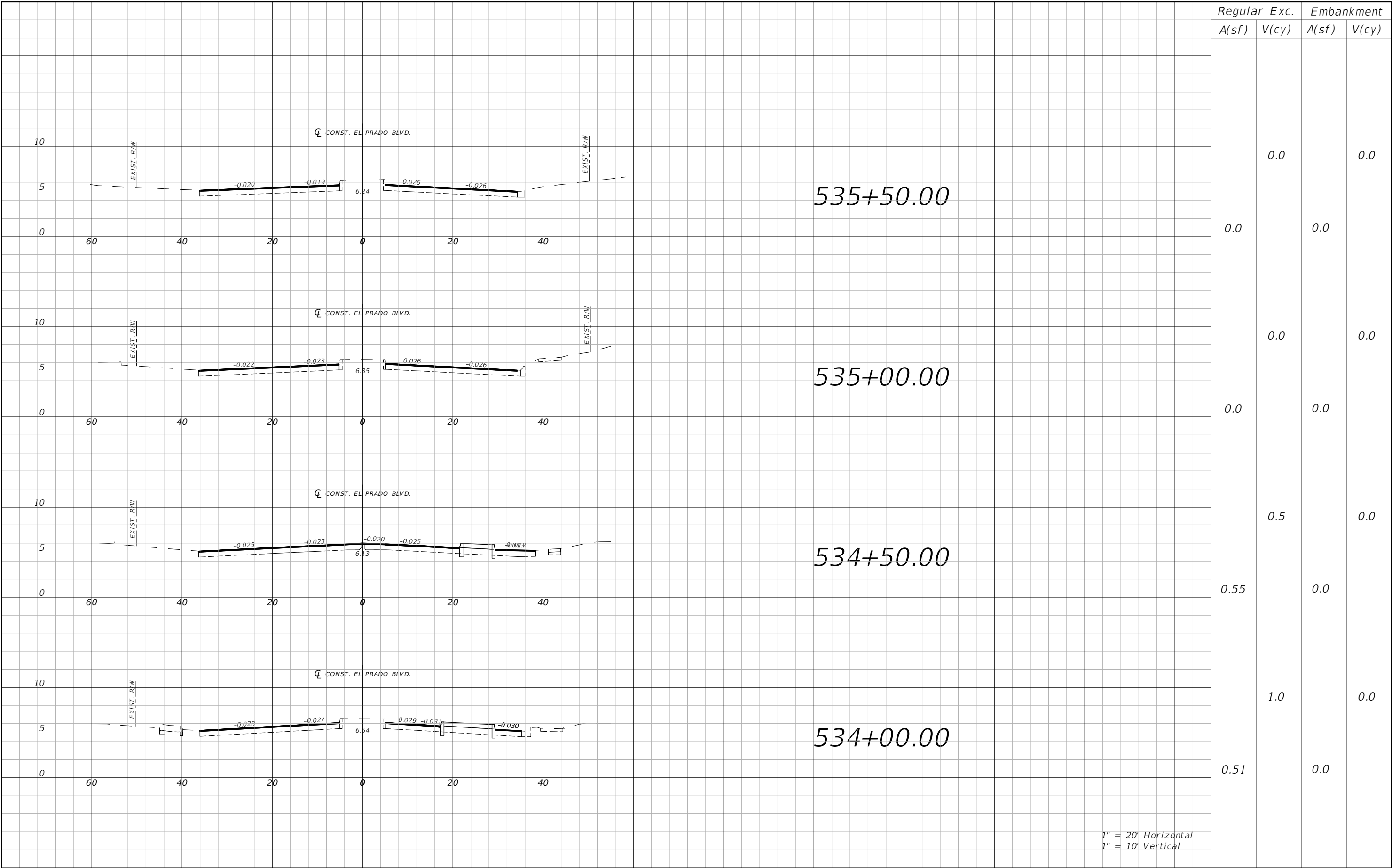


Regular		Exc.	Embankment	
A(sf)	V(cy)		A(sf)	V(cy)

0.0	0.5	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
4.5	4.2	0.08	0.1	0.1
14.27	17.4	0.0	0.1	0.1

1" = 20' Horizontal
1" = 10' Vertical

REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
-	---		-		OFF-SYS	HILLSBOROUGH	443516-1-58-01	
-	---		-					32

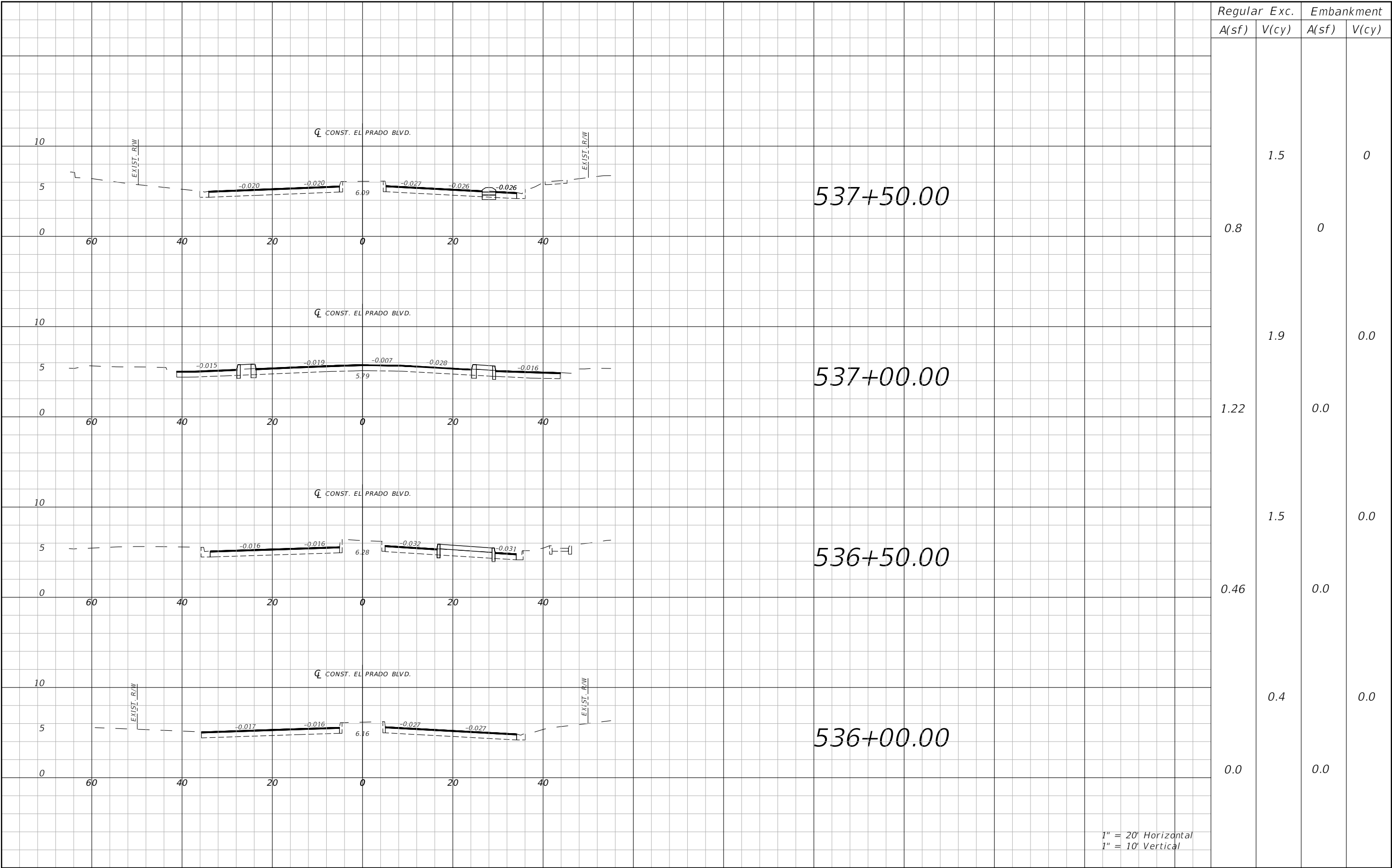


Regular		Exc.	Embankment	
A(sf)	V(cy)		A(sf)	V(cy)

		0.0		0.0
0.0			0.0	
	0.0			0.0
0.0			0.0	
	0.5			0.0
0.55			0.0	
	1.0			0.0
0.51			0.0	

1" = 20' Horizontal
1" = 10' Vertical

REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---		-	---	OFF-SYS	HILLSBOROUGH	443516-1-58-01		
-	---		-	---					33



Regular		Exc.	Embankment	
A(sf)	V(cy)		A(sf)	V(cy)

0.8	1.5	0	0	0
1.22	1.9	0.0	0.0	0.0
0.46	1.5	0.0	0.0	0.0
0.0	0.4	0.0	0.0	0.0

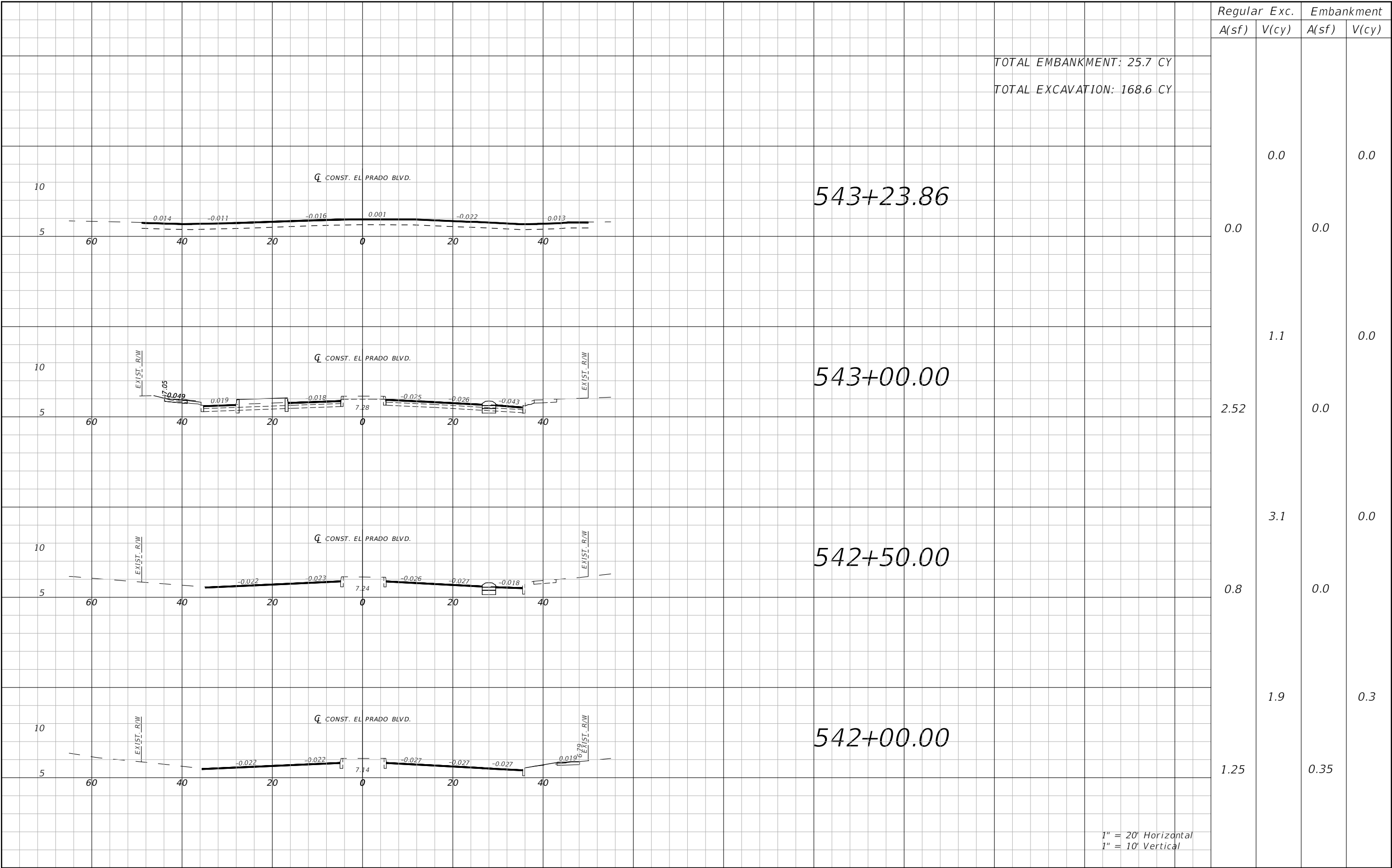
1" = 20' Horizontal
1" = 10' Vertical

REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---		-	---	OFF-SYS	HILLSBOROUGH	443516-1-58-01		
-	---		-	---					34

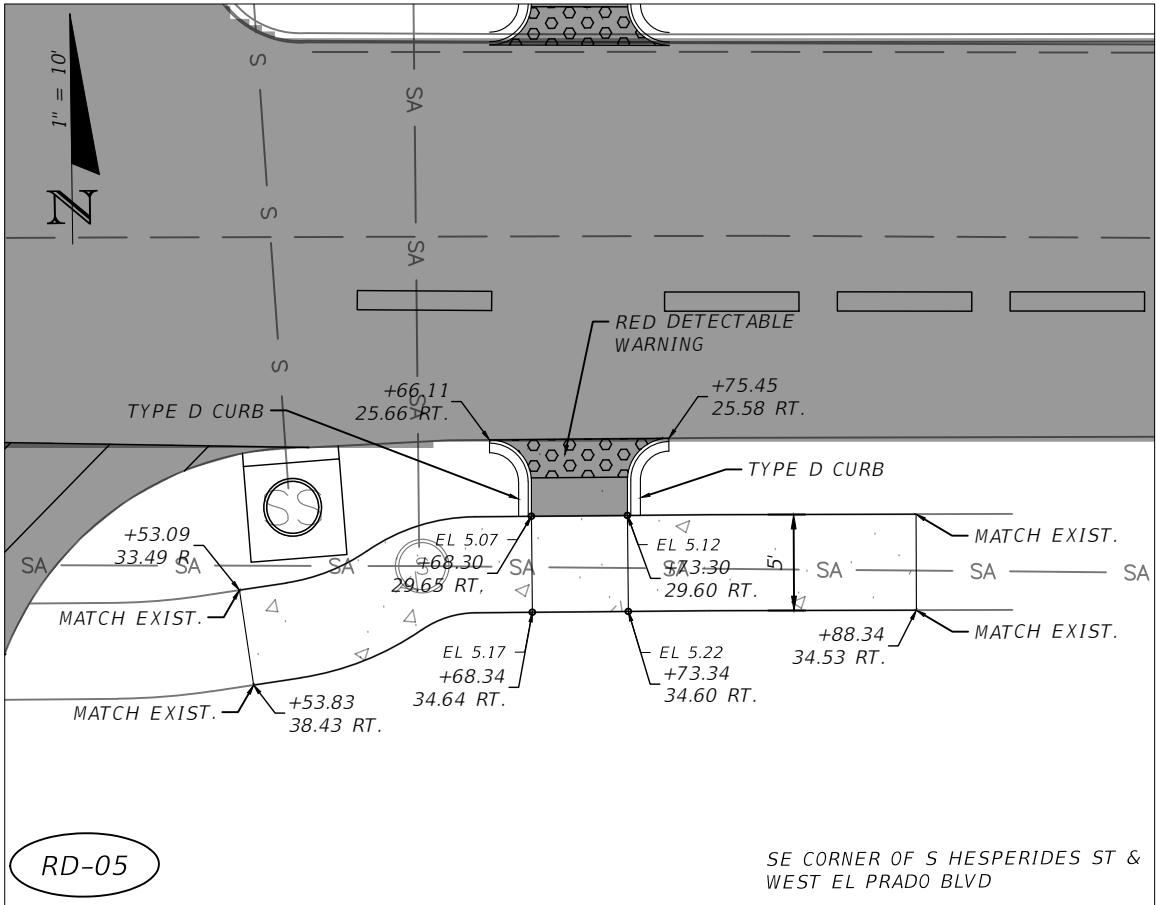
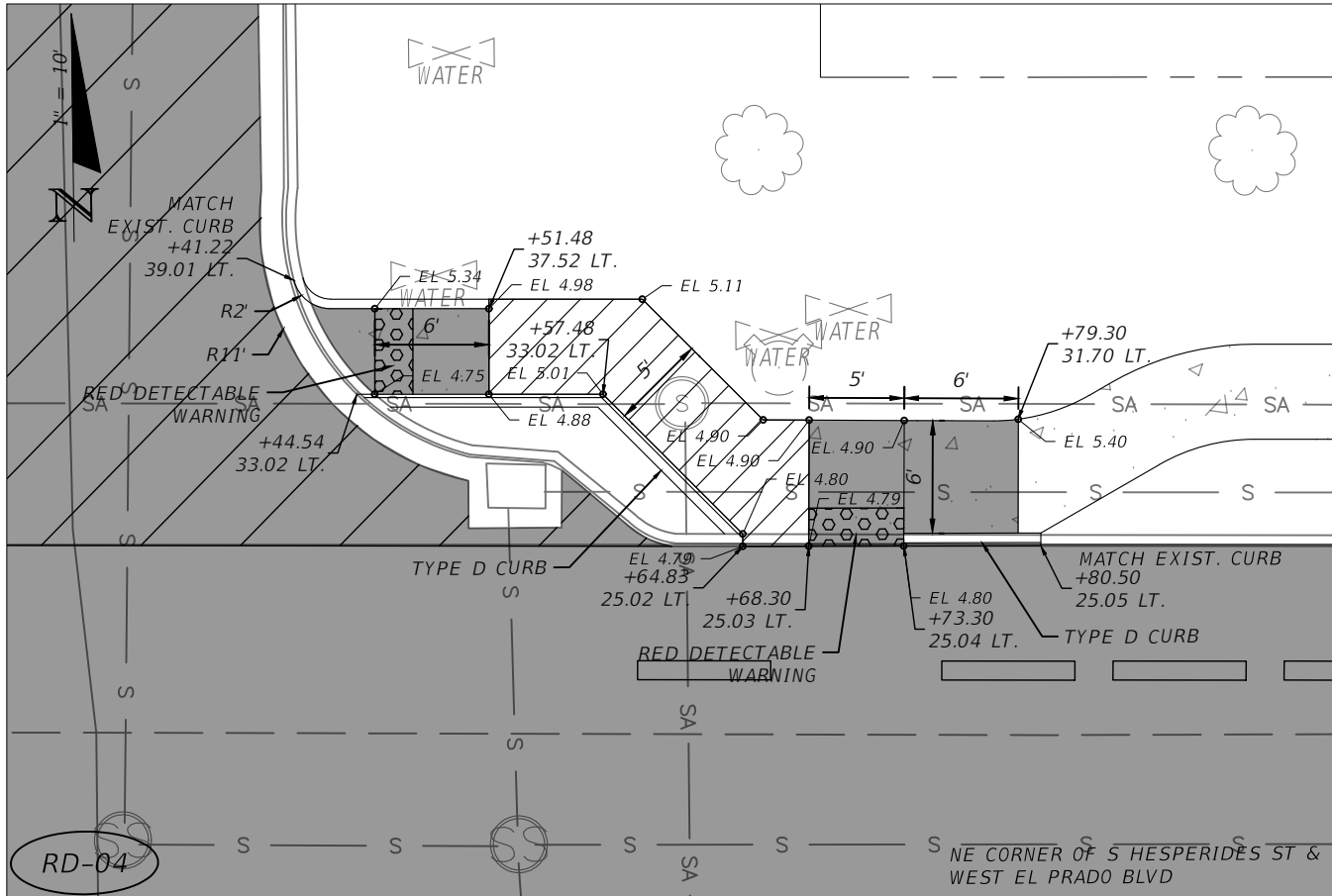
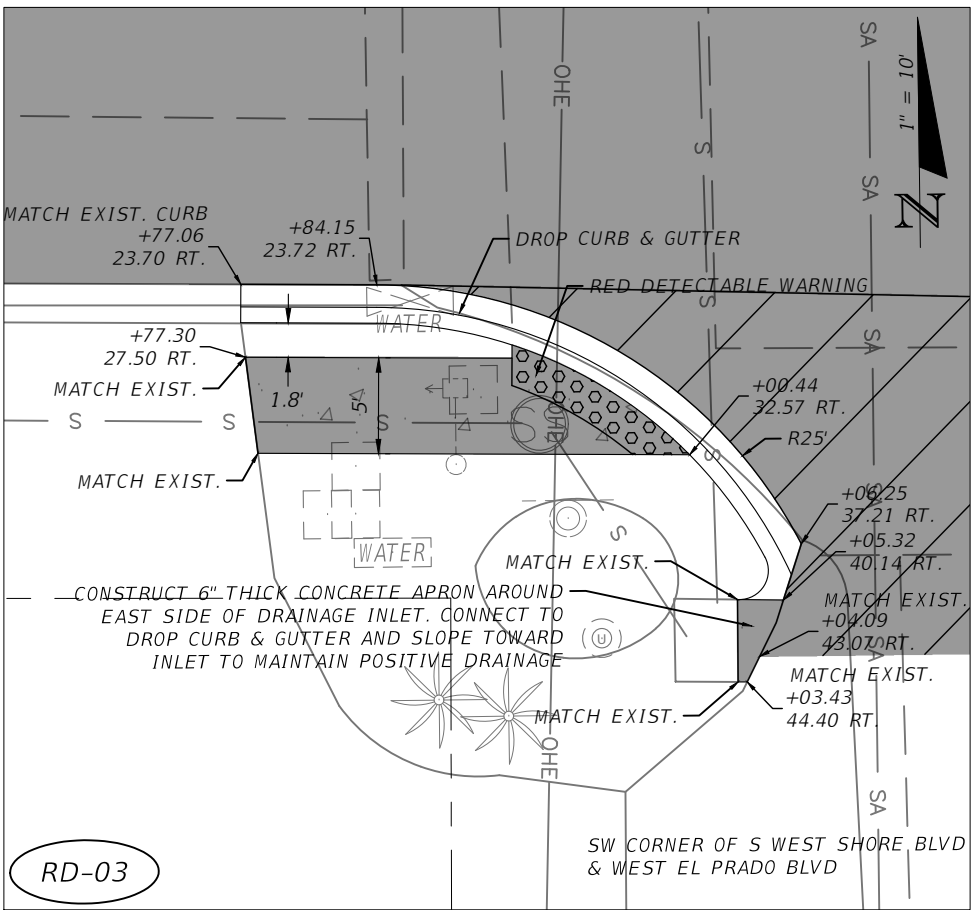
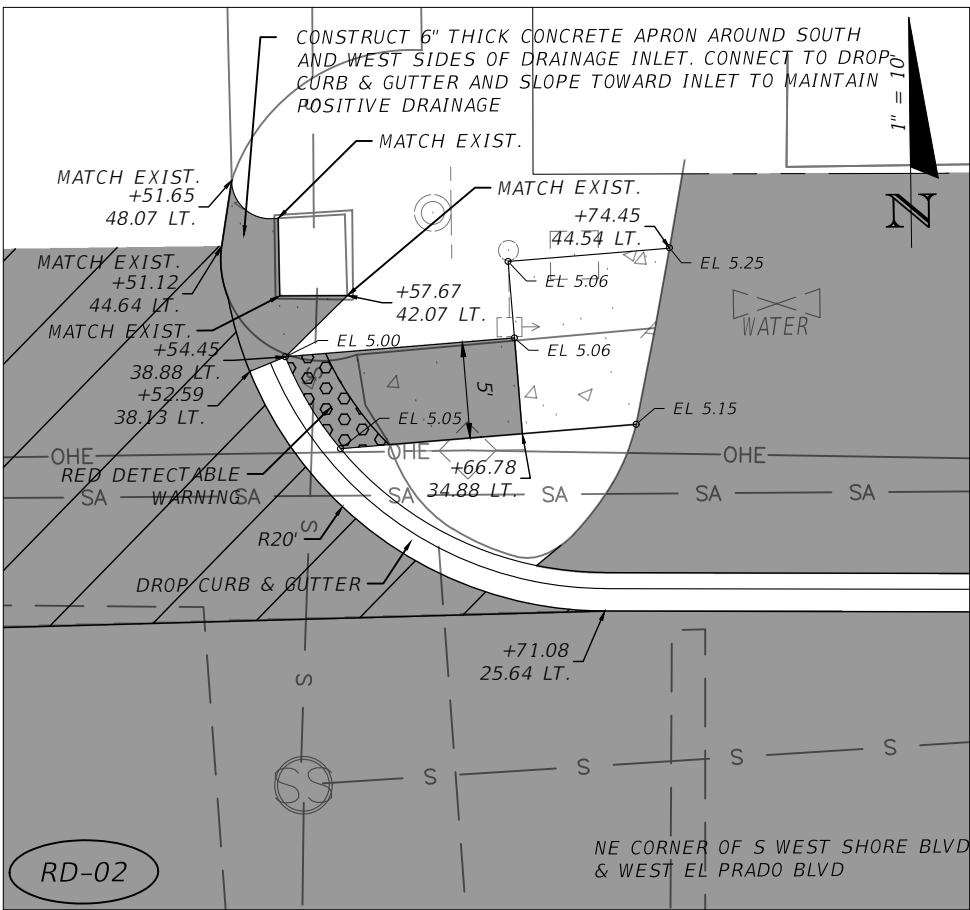
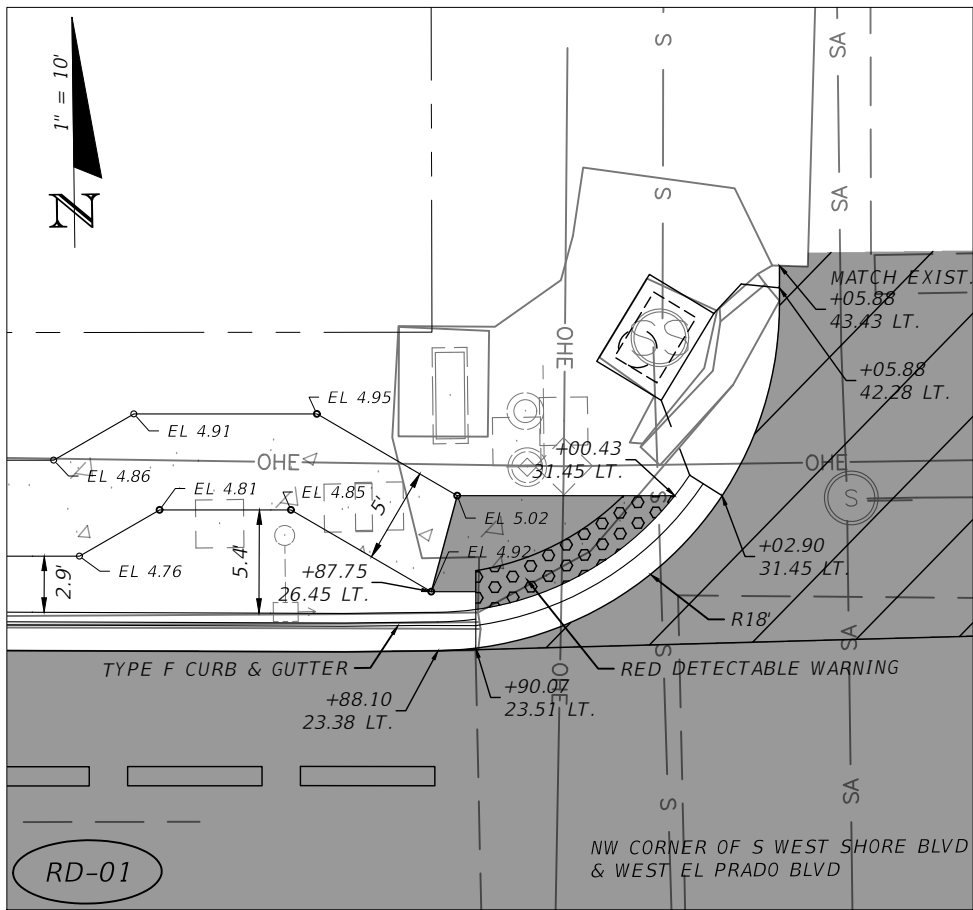
												Regular	Exc.	Embankment	
												A(sf)	V(cy)	A(sf)	V(cy)
												3.3	4.2	0.05	0.4
												0.0	3.1	0.0	0.0
												0.8	0.7	0.0	0.0
												0.0	0.7	0.0	0.0

1" = 20' Horizontal
1" = 10' Vertical

REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			<i>CROSS SECTIONS</i>	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---		-		OFF-SYS	HILLSBOROUGH	443516-1-58-01		36



R E V I S I O N S				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			CROSS SECTIONS	SHEET NO.	
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY	FINANCIAL PROJECT ID
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-	---		-		---					
-	---		-		---					
-	---		-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01	37	



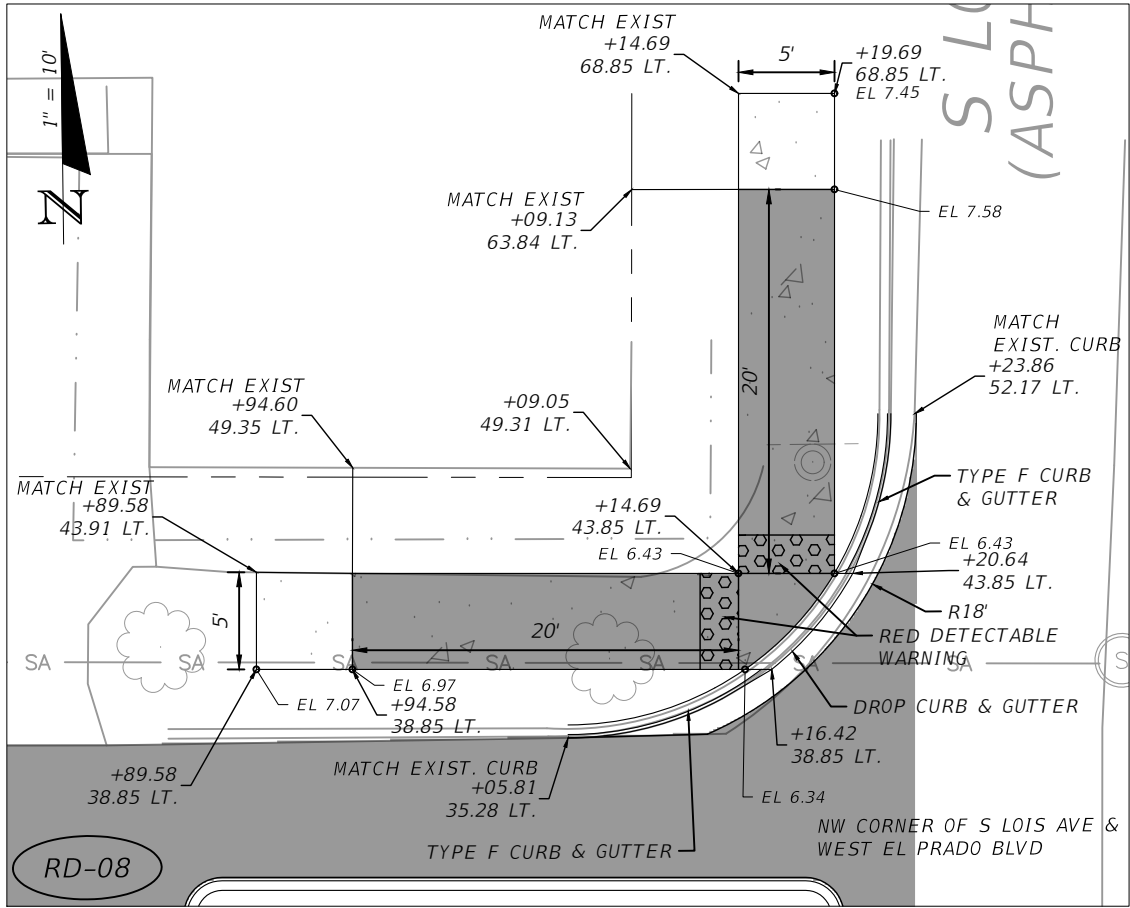
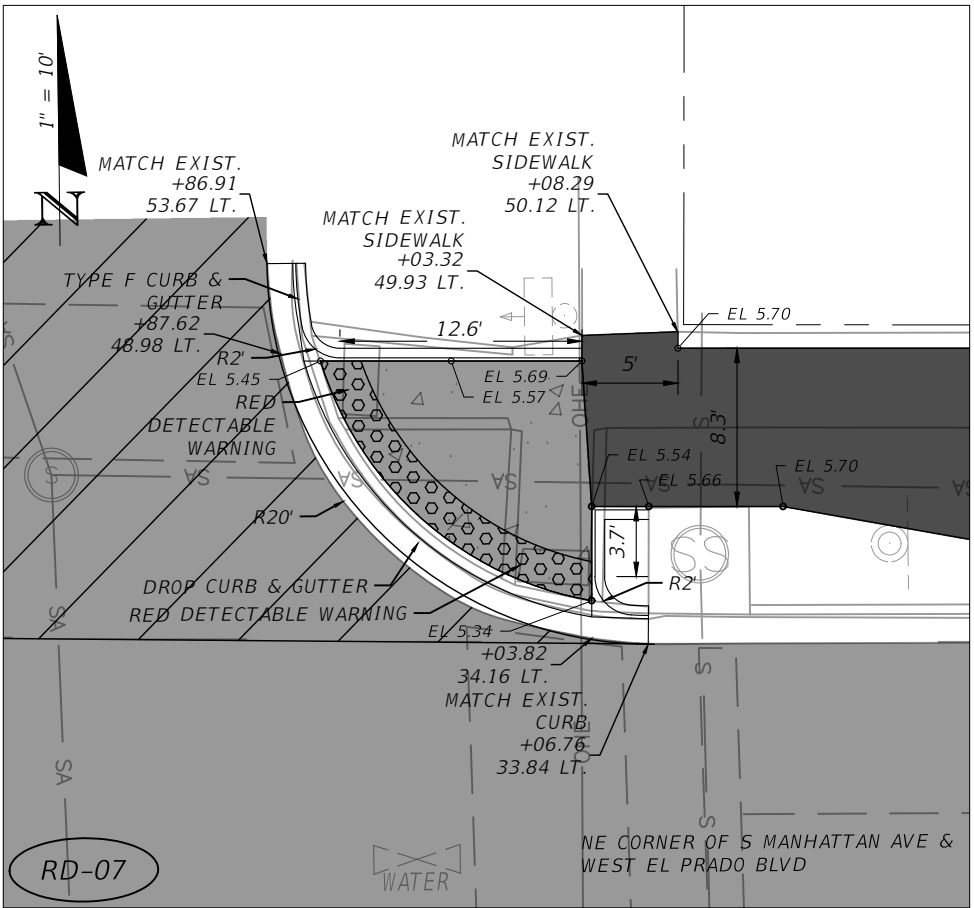
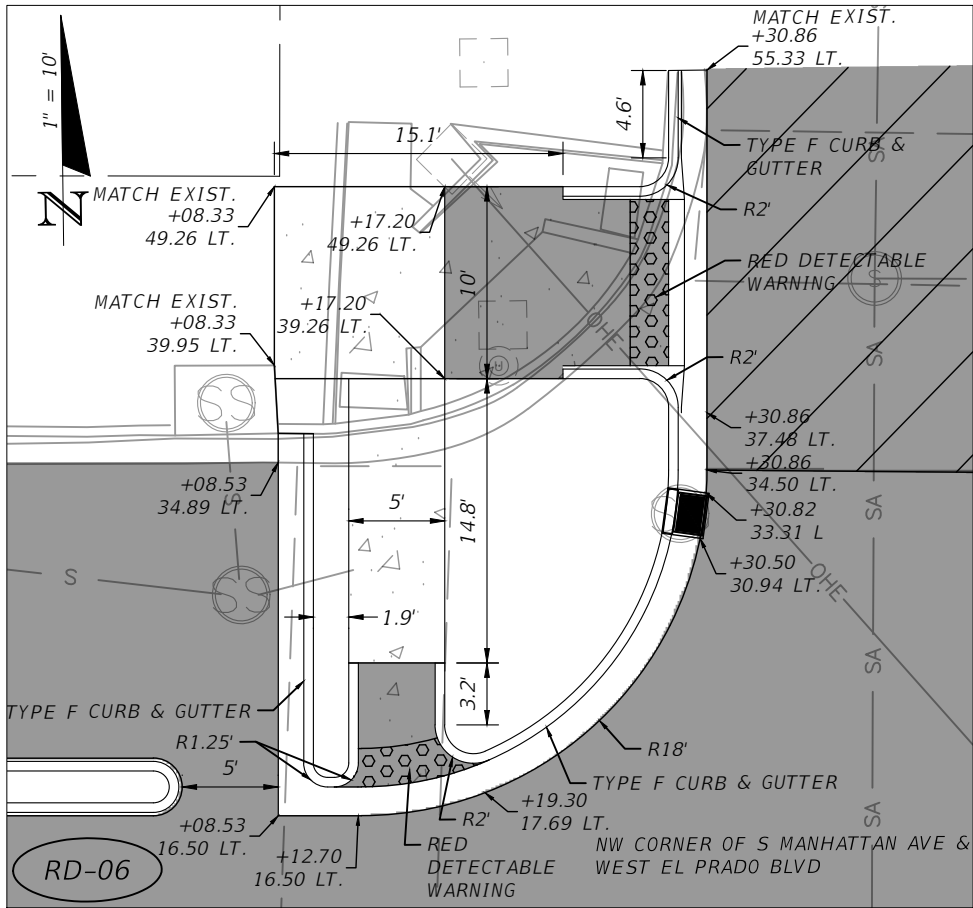
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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-	-	-	-

AARON C. MEARES, P.E.
P.E. LICENSE NUMBER 62955
NATIVE ENGINEERING, PLLC.
18856 N. DALE MABRY HWY.
LUTZ, FL 33548

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
OFF-SYS	HILLSBOROUGH	443516-1-58-01

SPECIAL DETAILS	SHEET NO.
	38

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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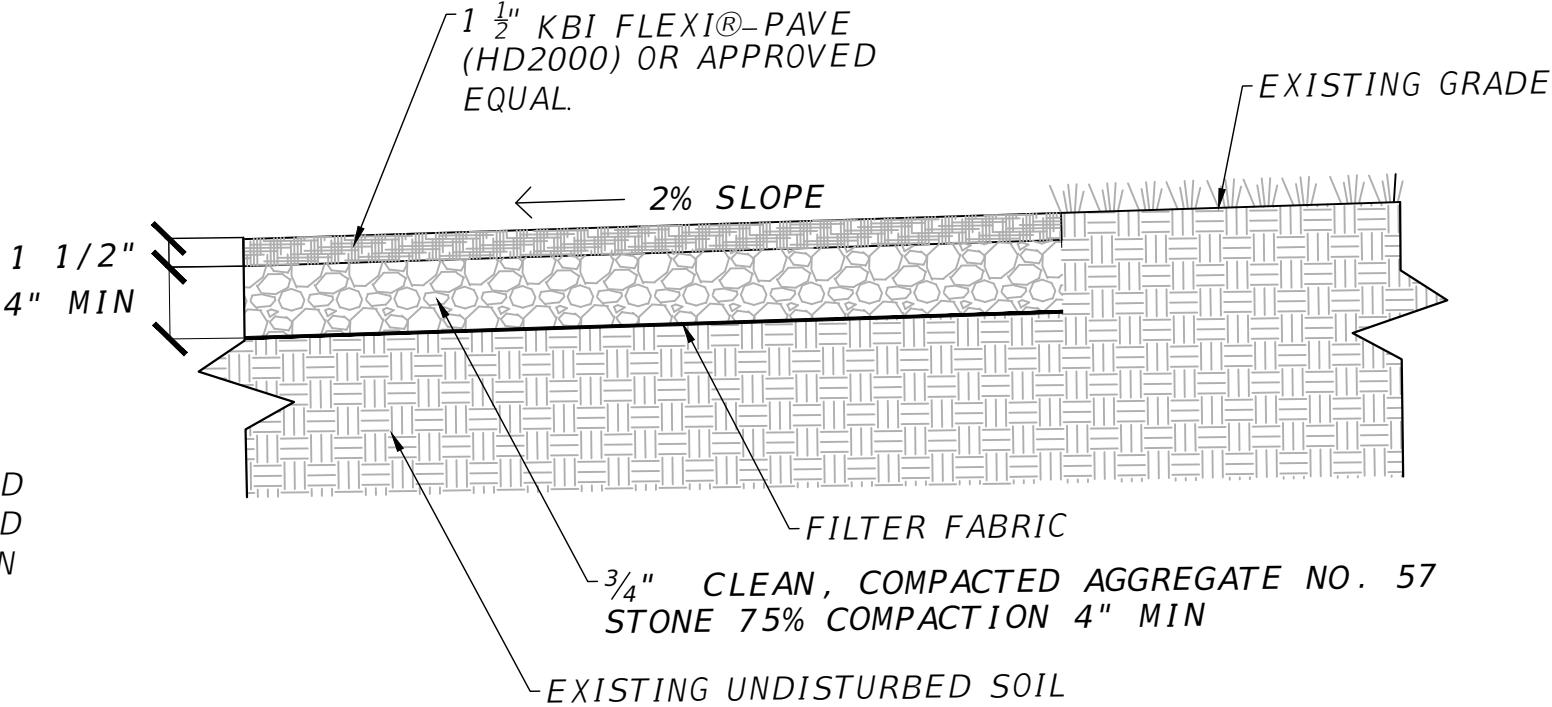
AARON C. MEARES, P.E.
P.E. LICENSE NUMBER 62955
NATIVE ENGINEERING, PLLC.
18856 N. DALE MABRY HWY.
LUTZ, FL 33548

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
OFF-SYS	HILLSBOROUGH	443516-1-58-01

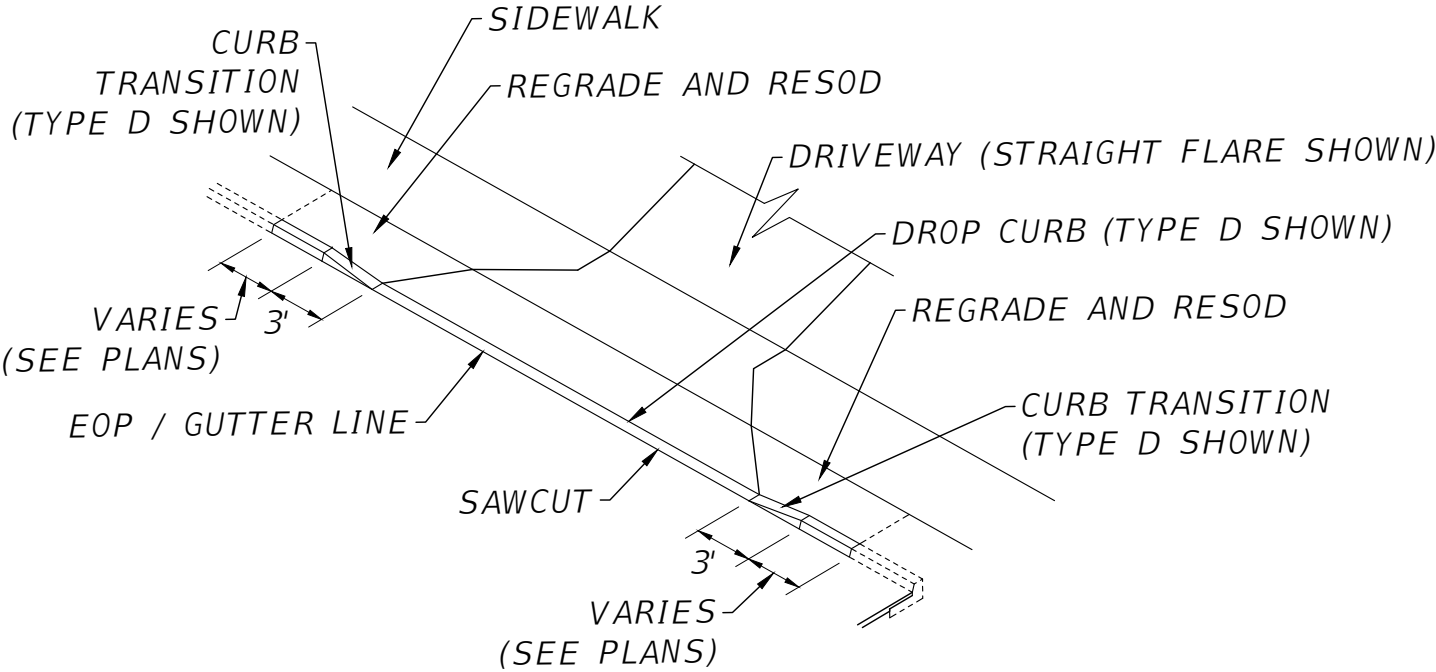
SPECIAL DETAILS	
39	

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

NOTE: FILTER FABRIC TO BE PLACED UNDER BASE ONLY (NOT SIDES), AND HAVE PERMEABILITY GREATER THAN THE SOIL BELOW IT.

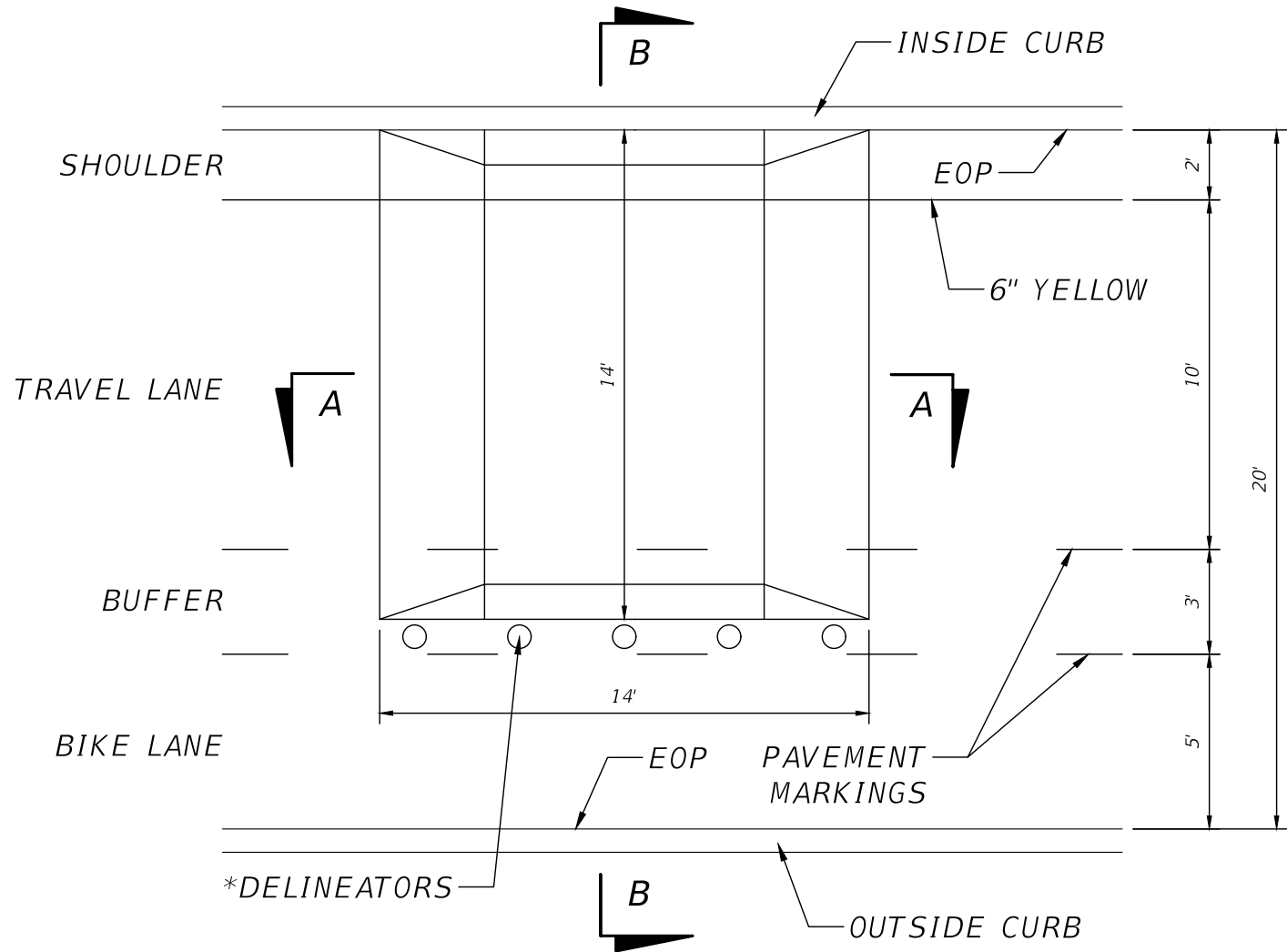


FLEXI-PAVE DETAIL (SEE PLANS FOR LOCATIONS)



DRIVEWAY DETAIL WITH UTILITY STRIP

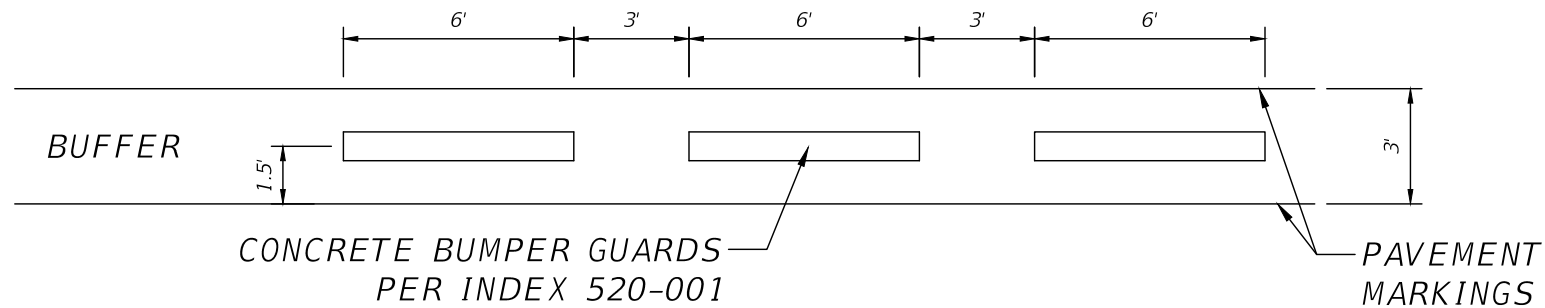
REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SPECIAL DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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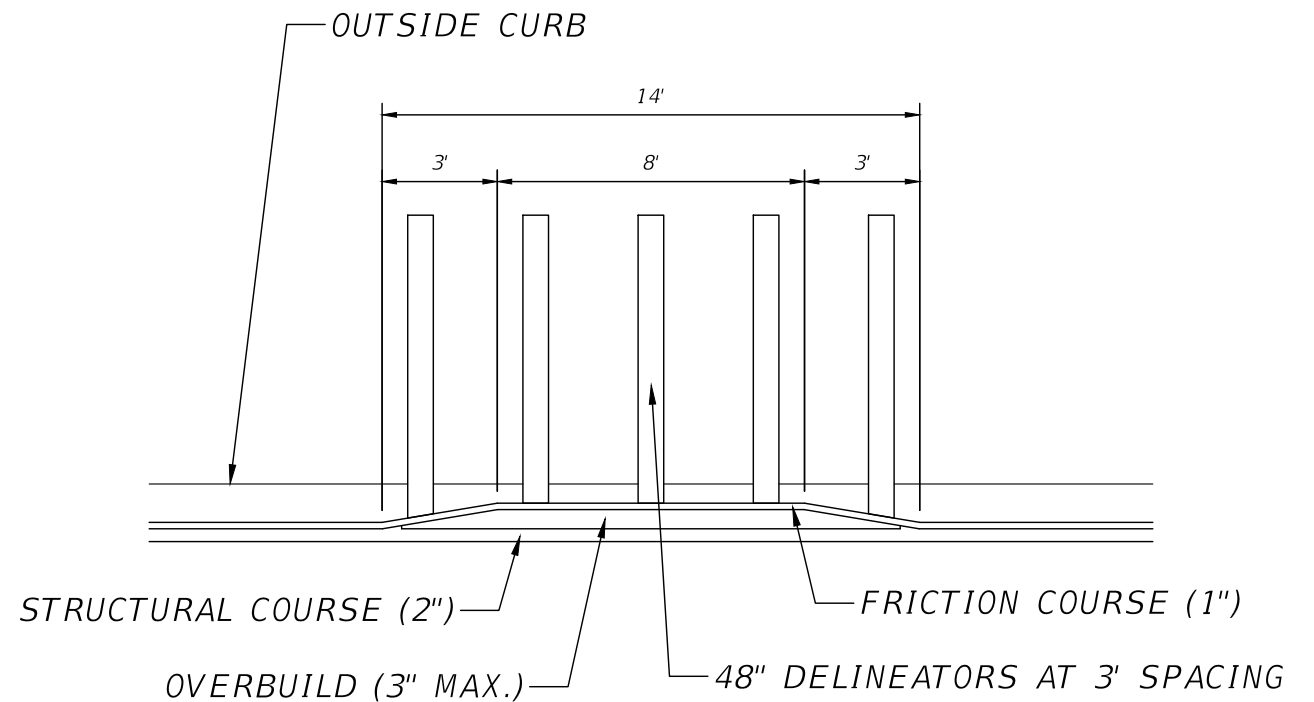
SPEED TABLE DETAIL
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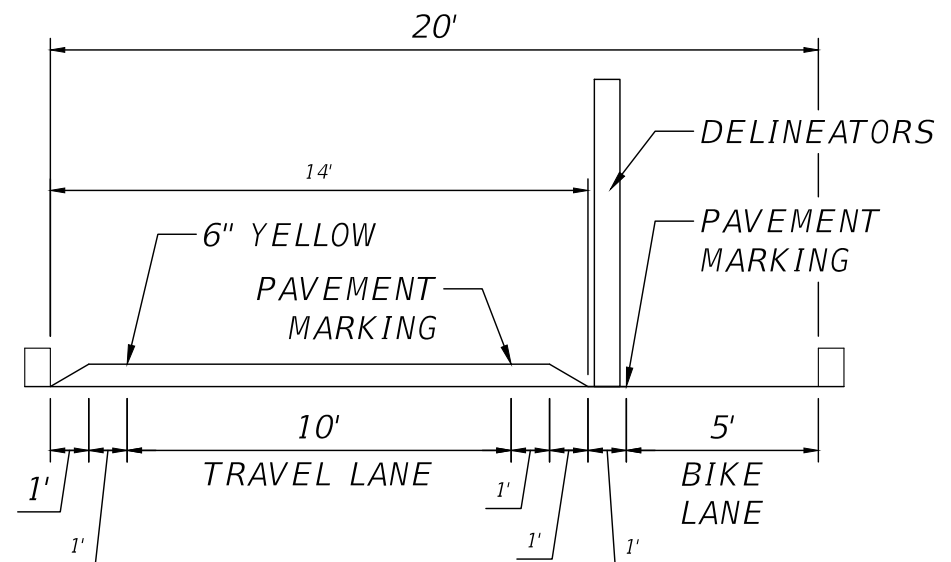
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FROM SPEED TABLE BEGINNING
AT STA 542+89.15



BUMPER GUARDS DETAIL
N.T.S.



SECTION A-A
N.T.S.

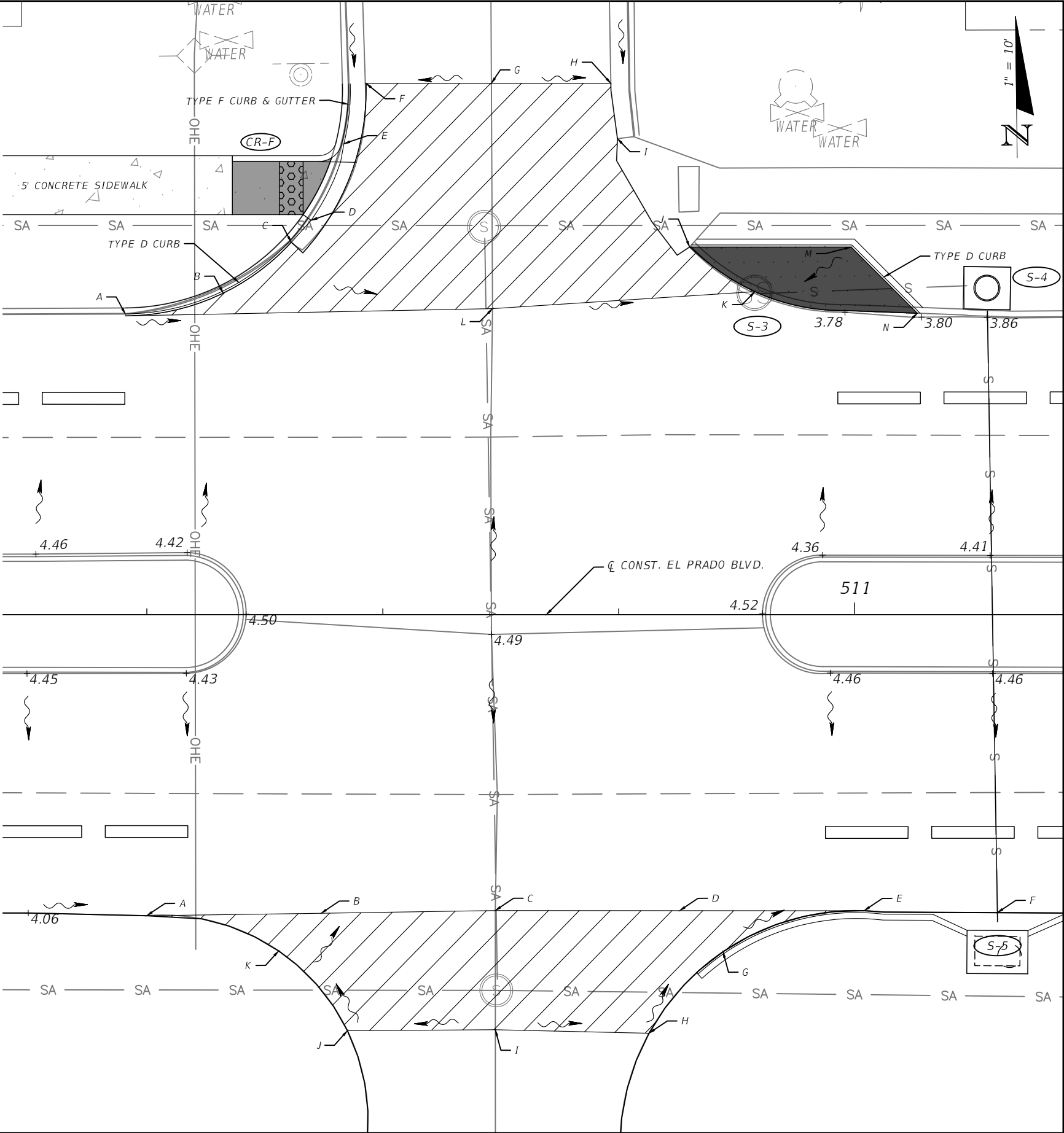


SECTION B-B
N.T.S.

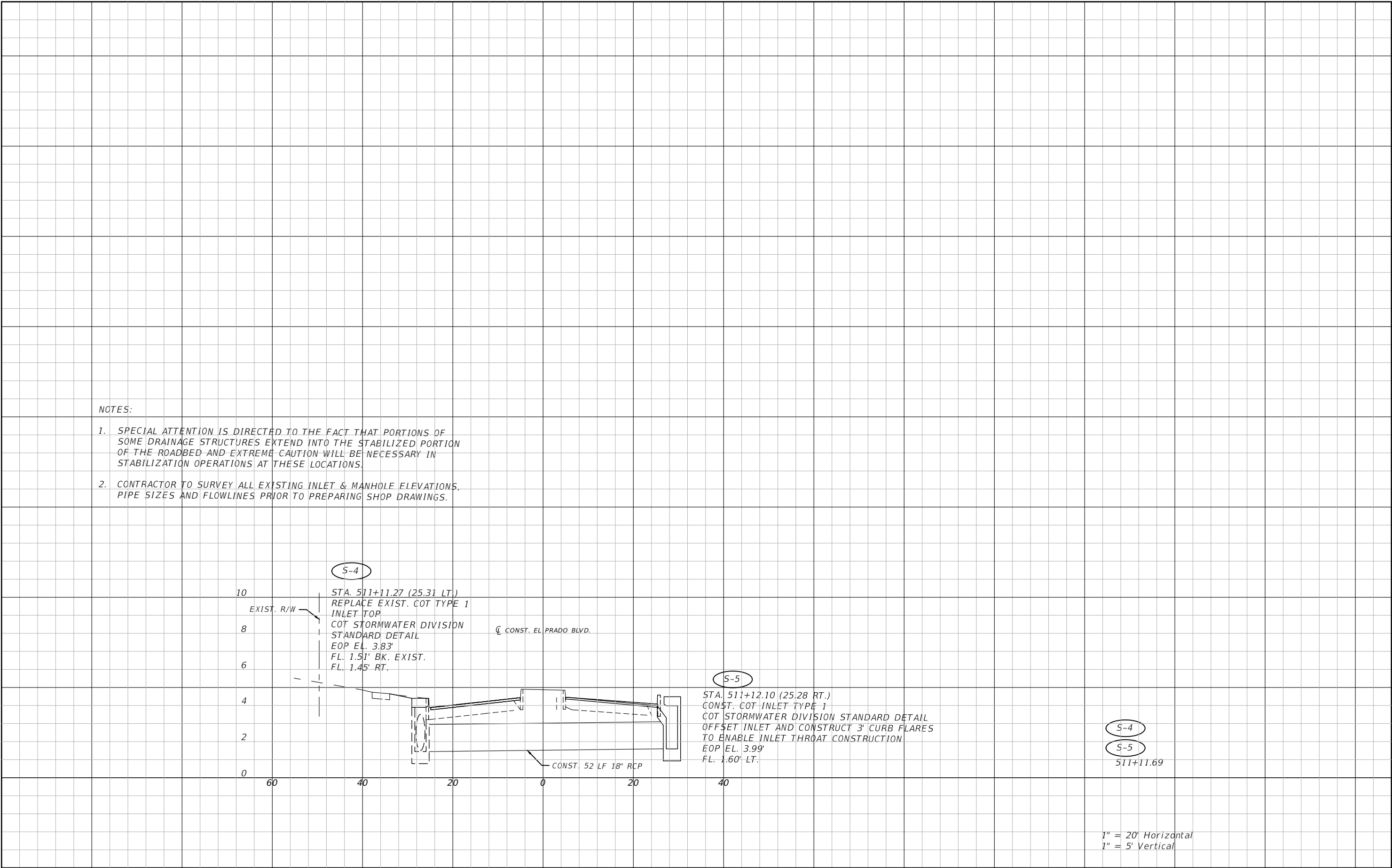
REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SPECIAL DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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RENELLIE DR. PAVEMENT GRADING (NORTH SIDE)					
POINT	STA.	OFFSET LT.	EXIST. EL	PROPOSED EL.	ASPHALT THICKNESS (IN.)
A	510+38.16	25.51	3.91	3.91	3.00
B	510+46.47	27.27	3.95	3.88	3.07
C	510+52.24	31.58	3.77	3.85	3.12
D	510+53.93	33.45	3.80	3.87	3.04
E	510+56.70	39.94	3.94	3.94	3.00
F	510+58.58	45.06	4.14	4.14	3.00
G	510+69.20	45.06	4.22	4.22	3.00
H	510+79.33	45.06	3.99	3.99	3.00
I	510+79.89	40.37	3.96	3.96	3.00
J	510+86.01	31.18	3.68	3.68	3.00
K	510+91.55	27.40	3.79	3.65	2.86
L	510+69.30	25.95	3.83	3.77	2.94
M	510+99.70	31.18	4.44	4.44	3.00
N	511+05.31	25.57	3.80	3.80	3.00

RENELLIE DR. PAVEMENT GRADING (SOUTH SIDE)					
POINT	STA.	OFFSET RT.	EXIST. EL	PROPOSED EL.	ASPHALT THICKNESS (IN.)
A	510+39.89	25.54	3.98	4.04	3.06
B	510+54.76	25.33	4.09	4.03	2.94
C	510+69.54	25.10	4.02	4.02	3.00
D	510+85.17	25.10	4.11	4.01	2.90
E	511+00.80	25.11	4.04	4.00	2.96
F	511+12.10	25.28	4.06	3.99	2.93
G	510+88.84	28.59	4.07	4.07	3.00
H	510+82.57	35.50	4.13	4.13	3.00
I	510+69.54	35.21	4.21	4.21	3.00
J	510+57.00	35.29	4.11	4.11	3.00
K	510+51.17	28.52	4.05	4.05	3.00



REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			INTERSECTION DETAIL	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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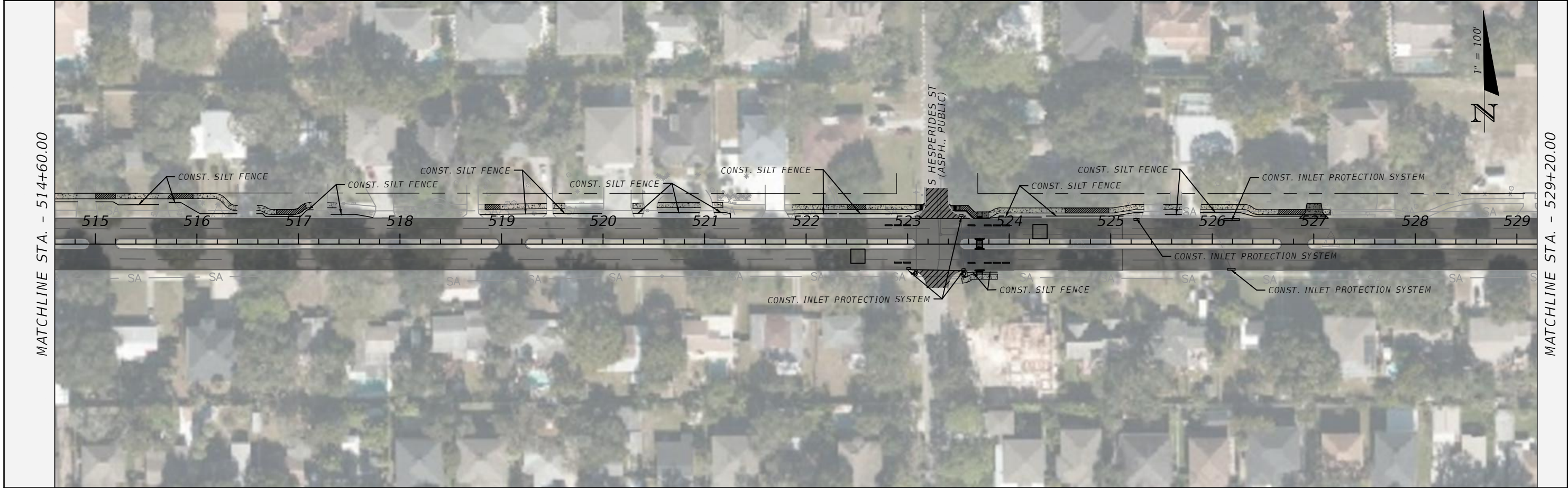
NOTES:

- 1. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS.
- 2. CONTRACTOR TO SURVEY ALL EXISTING INLET & MANHOLE ELEVATIONS, PIPE SIZES AND FLOWLINES PRIOR TO PREPARING SHOP DRAWINGS.

REVISIONS				JOSHUA S. BRADLEY, P.E. P.E. LICENSE NUMBER 60020 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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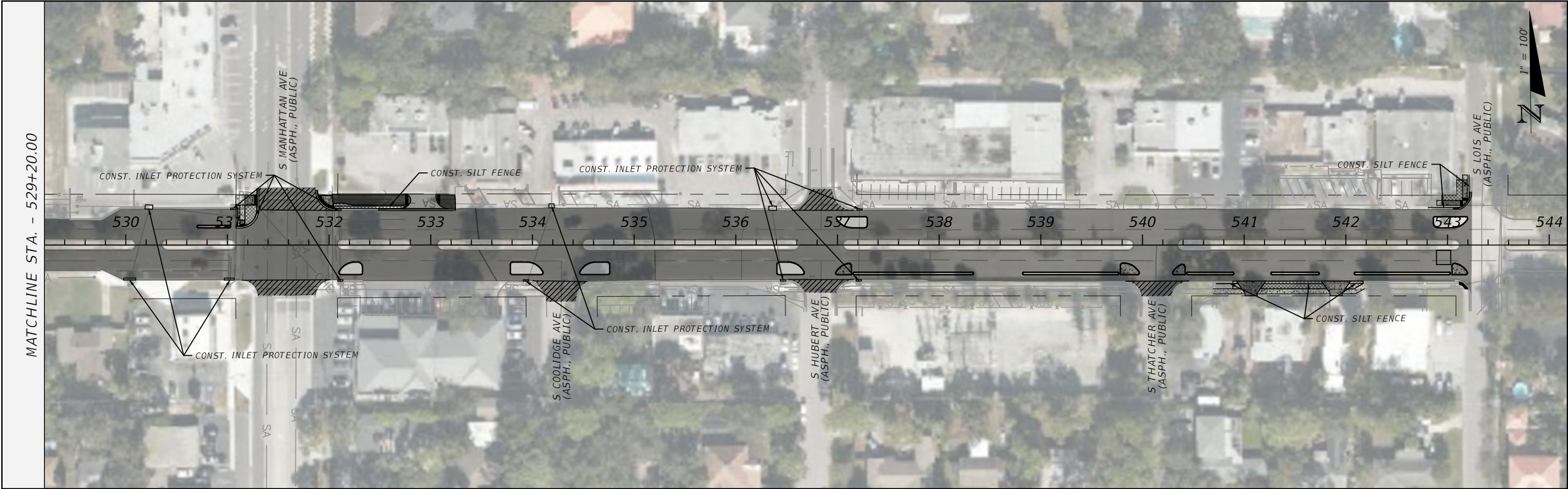


MATCHLINE STA. - 514+60.00



MATCHLINE STA. - 529+20.00

REVISIONS				JOSHUA S. BRADLEY, P.E. P.E. LICENSE NUMBER 60020 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			<i>EROSION CONTROL PLANS</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		44
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R E V I S I O N S				JOSHUA S. BRADLEY, P.E. P.E. LICENSE NUMBER 60020 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			EROSION CONTROL PLANS	SHEET NO.	
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY	PROJECT DESIGN NO.
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K. APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS

SWFWMD PERMIT EXEMPTION, FILE NUMBER: 871972

III. MAINTENANCE

A. ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTION AND MAINTENANCE OF ALL PERMANENT AND TEMPORARY EROSION CONTROL DEVICES THROUGHOUT ALL CONSTRUCTION PHASES OF THE PROJECT.

B. INSPECTION

THE CITY INSPECTOR SHALL BE RESPONSIBLE FOR COMPLETING THE D.E.I. NPDES / SWPPP CONSTRUCTION INSPECTION REPORT AFTER ANY ½” RAINFALL OR WEEKLY, IF NO RAIN EVENT OCCURRED. IT IS THE CONTRACTOR’S RESPONSIBILITY TO MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL. THE CITY INSPECTOR SHALL ALSO COMPLETE THE CITY OF TAMPA D.E.I. NPDES COMPLIANCE CHECKLIST FOR CONSTRUCTION SITES.

C. NON–STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON–STORM WATER DISCHARGES MAY OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

- PAVEMENT WASH WATERS (WHERE NO SPILL OR LEAKS OF VEHICLE AND HAZARDOUS MATERIALS HAVE OCCURRED)

ALL NON–STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE OR AS DIRECTED BY THE ENGINEER. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, DEATERING SHOULD CEASE IMMEDIATELY AND THE ENGINEER WILL BE CONTACTED.

D. MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL HANDLING PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF:

1. THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON–SITE DURING THE CONSTRUCTION PROJECT.

- STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB ON SITE.
- ALL MATERIALS STORED ON SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR ORIGINAL MANUFACTURER’S LABELED CONTAINERS UNDER A ROOF OR OTHER CONTAINED ENCLOSURE.
- SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED BEFORE DISPOSING OF THE CONTAINER. MANUFACTURERS’ RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.
- THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON–SITE.

2. THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

- PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RE–SEALABLE.
- SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL OPENED CONTAINERS. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE KEPT ON–SITE ON THE CONSTRUCTION OFFICE TRAILER.
- IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS OR LOCAL STATE RECOMMENDED METHODS OF PROPER DISPOSAL SHALL BE FOLLOWED.
- THE CONTRACTOR MUST IDENTIFY A DESIGNATED FUEL TANK STORAGE AREA, AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS, AND WETLANDS, WITH SECONDARY CONTAINMENT (SPILL COLLECTION).

3. CONCRETE TRUCKS

- CONTRACTOR SHALL DESIGNATE AN AREA AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS, AND WETLANDS FOR DISCHARGE OF SURPLUS CONCRETE OR DRUM WASH WATER AND SHALL INSTALL A CONTAINMENT BERM AROUND THIS AREA TO PREVENT RUNOFF TO THE REMAINDER OF THE SITE.
- HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR UPON COMPLETION OF THE PROJECT.
- DISPOSAL OF CONCRETE SLURRY DIRECTLY INTO PUBLIC DRAINAGE SYSTEMS IS A VIOLATION OF THE “ILLICIT DISCHARGE” PROVISION.

4. SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIALS MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.

- MANUFACTURERS’ RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION CLEANUP SUPPLIES.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

- SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
- THE SPILL PREVENTION PLAN WILL BE PREPARED BY THE CONTRACTOR AND KEPT IN THE CONSTRUCTION OFFICE TRAILER AND WILL INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE ARE OTHERS. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED. ALL SPILLS AND RESPONSES WILL BE REPORTED TO THE APPROPRIATE AGENCY.
- THE SITE SUPERINTENDENT WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON SITE.
- USE AND CHARACTERISTICS OF FUEL OR CHEMICAL STORAGE TANK ON SITE SHALL COMPLY WITH ALL RELATED FEDERAL, STATE, AND LOCAL REGULATIONS. STORAGE TANKS MUST BE LOCATED AS FAR AS POSSIBLE FROM ANY DRAINAGE STRUCTURES, DITCHES, AND/OR SURFACE WATERS. IN ADDITION, THE CONTRACTOR MUST PROVIDE A SECONDARY CONTAINMENT WITH A LINER CHEMICALLY RESISTANT TO THE FUEL OR CHEMICAL STORED ON SITE. THE SECONDARY CONTAINMENT MUST BE SIZED TO CONTAIN MINIMUM OF ONE AND A HALF TIME THE TOTAL CAPACITY OF STORAGE TANK BEING USED. CONTRACTOR HAS TO PROVIDE A DAILY INSPECTION LOG FOR THE SECONDARY CONTAINMENT WITH INDICATION OF DATE, INSPECTORS NAME AND INSPECTION REPORT. FURTHERMORE, ANY CONTAMINATION HAS TO BE IMMEDIATELY CONTAINED AND THE COUNTY INSPECTOR MUST BE NOTIFIED OF THE NATURE AND EXTENT OF THE CONTAMINATION.

PERMITTEE CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

LARA BOUCK, P.E.

DATE

CITY OF TAMPA MOBILITY DEPARTMENT

CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

GENERAL CONTRACTOR NAME & TITLE

DATE

COMPANY NAME

COMPANY STREET ADDRESS

CITY, STATE, ZIP CODE

				JOSHUA S. BRADLEY, P.E. P.E. LICENSE NUMBER 60020 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			<i>STORMWATER POLLUTION PREVENTION PLAN</i>	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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-	---		-						47

TEMPORARY TRAFFIC CONTROL PLAN NOTES

1. THE SUPERVISOR OR FOREMAN CONTROLLING THE WORK ON THE PROJECT MUST HAVE A WORK ZONE TRAFFIC CONTROL SAFETY CERTIFICATION OR TRAFFIC SUPERVISOR CERTIFICATION FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION. THE CERTIFIED SUPERVISOR SHALL BE ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
2. ALL EXISTING WARNING, GUIDE, AND REGULATORY SIGNS SHALL BE MAINTAINED AT ALL TIMES. SIGNS SHALL BE RELOCATED, REMOVED, OR COVERED FOR EACH TRAFFIC PATTERN PHASE, AS APPROVED BY THE ENGINEER.
3. ALL LANE TAPERS AND MAINTAINED LANE LINES ADJACENT TO CONSTRUCTION AREAS SHALL BE DELINEATED WITH TYPE 1 OR 2 BARRICADES, VERTICAL PANELS, TEMPORARY DRUMS OR TEMPORARY LOW PROFILE BARRIER AS APPROVED BY THE ENGINEER.
4. THE EXISTING SPEED LIMIT SHALL BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE NOTED IN THE PLANS.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 7 DAYS IN ADVANCE OF ANY LANE CLOSURES.
6. AT THE DISCRETION OF THE THE ENGINEER, ANY TEMPORARY LANE CLOSURE CAUSING EXTENDED TRAFFIC CONGESTION (5 MINUTE DELAY) SHALL BE OPENED UNTIL TRAFFIC HAS RETURNED TO AN ACCEPTABLE FLOW AS DETERMINED BY THE ENGINEER.
7. PROVIDE A TEMPORARY TRAFFIC CONTROL PLAN, PREPARED BY A FDOT ADVANCED TRAFFIC CONTROL CERTIFIED PROFESSIONAL.
8. THE HILLSBOROUGH AREA REGIONAL TRANSIT AUTHORITY (HART) PROJECT MANAGER SHALL BE NOTIFIED A MINIMUM OF 7 DAYS IN ADVANCE OF PERFORMING ANY LANE CLOSURE OR DETOUR AS WELL AS ANY WORK AFFECTING HART BUS STOPS.
PHONE: (813) 384-6438
EMAIL: RODRIGUEZD@GOHART.ORG
9. WHEN CONSTRUCTING FULL DEPTH PAVEMENT, MAINTAIN AN ACTIVE WORK ZONE AROUND DROP OFF HAZARDS UNTIL STRUCTURAL COURSE IS PLACED, OR USE TRAFFIC WALL AT NO ADDITIONAL COST.
10. ACCESS TO RESIDENCES AND BUSINESSES SHALL REMAIN AT ALL TIMES THROUGHOUT CONSTRUCTION. ANY NECESSARY BUSINESS SIGNAGE SHALL BE INSTALLED PRIOR TO CONSTRUCTION. AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
11. ALL WORK TO BE LIMITED TO WEEKDAYS AND DAYLIGHT ONLY. WORK IS PROHIBIT DURING CITY OBSERVED HOLIDAYS AND SPECIAL EVENTS. COORDINATE WITH THE CITY OF TAMPA OFFICE OF SPECIAL EVENTS FOR DATES AND TIMES OF HOLIDAYS AND SPECIAL EVENTS. CONTACT THE OFFICE OF SPECIAL EVENTS (813) 274-7723 FOR A LIST OF SPECIAL EVENTS (GASPARILLA PARADES & RUNS, MACDILL AIRFEST, ETC)
12. MONDAY – FRIDAY WORK HOURS ARE RESTRICTED TO OFF-PEAK HOURS (9AM – 4PM)
13. PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (PCMS) SHALL BE PLACED 500 FT. IN ADVANCE OF THE WORK ZONE, INCLUDING ON INTERSECTING SIDE STREETS.
SUGGESTED MESSAGES (UNLESS OTHERWISE DIRECTED BY THE ENGINEER):

A. FOR A PERIOD OF SEVEN DAYS PRIOR TO THE FIRST DAY OF ROADWAY CONSTRUCTION:

MESSAGE 1	MESSAGE 2
ROADWORK EL PRADO BLVD	BEGINS "BEGIN DATE"

SIGNS AND TRAFFIC CONTROL DEVICES PER THE APPLICABLE STANDARD PLANS INDEX 102-600 SERIES SHALL BE USED FOR THE TYPE OF WORK BEING PERFORMED.

PHASE I NOTES:

THE INTENT OF THIS PHASE IS TO CONSTRUCT NEW CURB, ROAD WIDENING, DRAINAGE STRUCTURE IMPROVEMENTS, SIDEWALK, SIGNALIZATION AND ROADSIDE IMPROVEMENTS ALONG EL PRADO BLVD. FROM OMAR AVENUE TO MANHATTAN AVENUE.

1. PLACE ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES PER THE APPLICABLE STANDARD PLANS INDEX 102-600 SERIES USED FOR THE TYPE OF WORK BEING PERFORMED.
2. INSTALL TEMPORARY EROSION CONTROL DEVICES THROUGHOUT THE PROJECT LIMITS.
3. USE STANDARD PLAN INDEX 102-601, 102-602, 102-613, 102-615, AND 102-660 TO CONSTRUCT THE PROPOSED DRAINAGE, CURB, SIDEWALK, DRIVEWAYS AND SIGNALIZATION.

PHASE II NOTES:

THE INTENT OF THIS PHASE IS TO MILL AND RESURFACE EL PRADO BOULEVARD FROM OMAR AVENUE TO LOIS AVENUE.

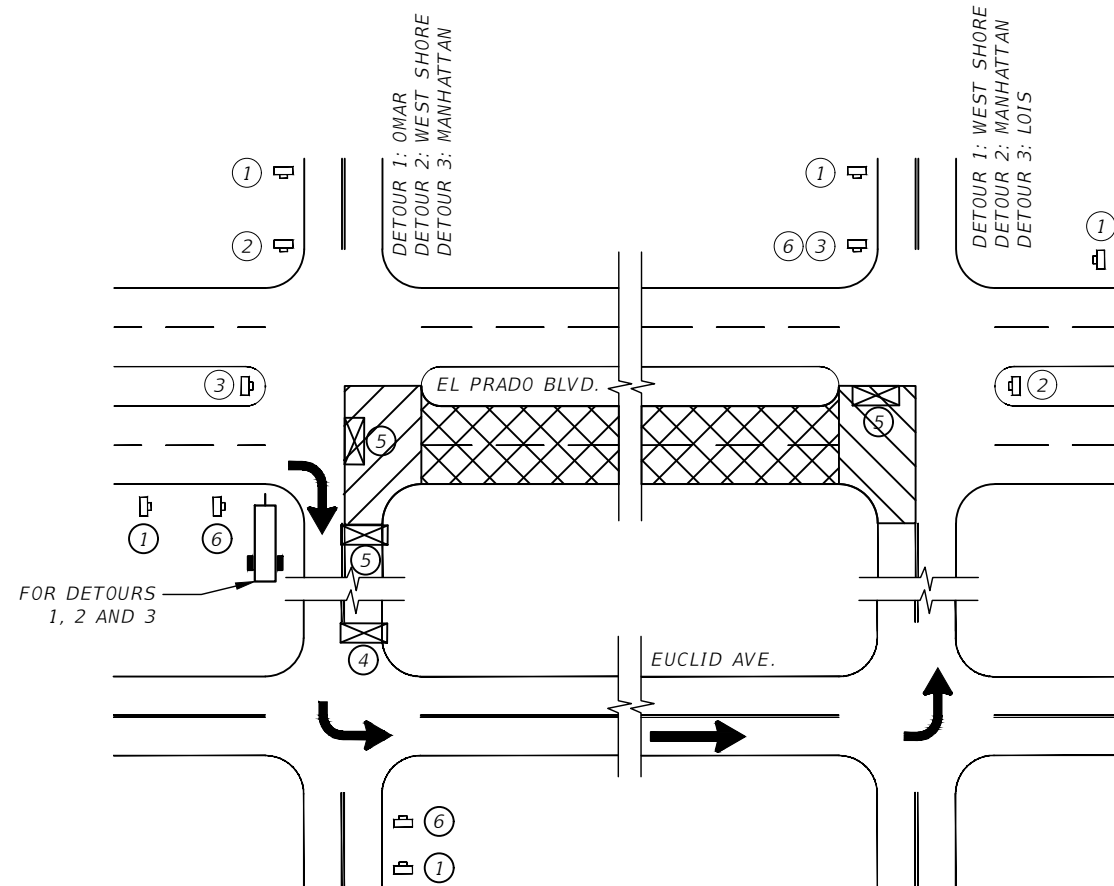
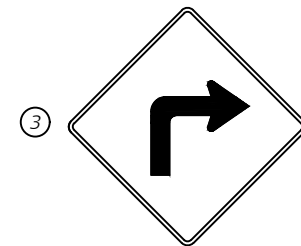
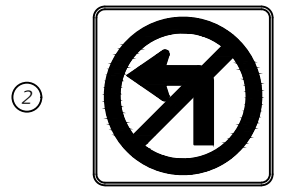
1. USE STANDARD PLANS INDICES 102-613 OR THE TYPICAL MILLING SIGNAGE DETAILS AND 102-604 AND 102-615 TO MILL AND RESURFACE EL PRADO FROM OMAR TO MANHATTAN, RESURFACING WITH STRUCTURAL COURSE ONLY. THE MILLING AND RESURFACING OPERATION SHALL OCCUR IN ONE-BLOCK SEGMENTS PER THE TYPICAL MILLING SIGNAGE DETAILS, OR AS APPROVED BY THE ENGINEER. THE PAVING OPERATION SHALL BE PERFORMED PER THE FINAL LANE CONFIGURATION. LEVEL THE JOINTS BETWEEN ALL UNMILLED PAVEMENT AND THE RESURFACED PAVEMENT TO ELIMINATE THE DIFFERENCE IN ELEVATION.
2. USE STANDARD PLANS INDICES 102-613 AND 102-615 OR THE TYPICAL MILLING SIGNAGE DETAILS TO MILL AND RESURFACE EL PRADO FROM MANHATTAN TO LOIS, RESURFACING WITH STRUCTURAL COURSE ONLY. THE MILLING AND RESURFACING OPERATION SHALL OCCUR IN ONE-BLOCK SEGMENTS PER THE TYPICAL MILLING DETAIL. THE PAVING OPERATION SHALL BE PERFORMED PER THE FINAL LANE CONFIGURATION. LEVEL THE JOINTS BETWEEN ALL UNMILLED PAVEMENT AND THE RESURFACED PAVEMENT TO ELIMINATE THE DIFFERENCE IN ELEVATION.
3. UPON COMPLETION OF EACH MILLING AND RESURFACING OPERATION, PLACE TEMPORARY PAVEMENT MARKINGS IN THE FINAL CONFIGURATION, EXCEPT WITHIN THE COMMERCIAL CORRIDOR SEGMENT BETWEEN MANHATTAN AVENUE & LOIS AVENUE, WHERE ALL FINAL PARKING STALL STRIPING SHALL BE DELAYED UNTIL CURBING AND LANDSCAPE ISLAND CONSTRUCTION TAKES PLACE. PLACE CROSSWALK AND STOP BAR MARKINGS IN THE FINAL CONFIGURATION.

PHASE III NOTES:

THE INTENT OF THIS PHASE IS TO CONSTRUCT NEW CURB, TRAFFIC SEPARATORS, ROAD WIDENING, SIDEWALK, DRIVEWAYS AND SIGNALIZATION ALONG EL PRADO BLVD. FROM MANHATTAN AVENUE TO LOIS AVENUE AND COMPLETE FINAL RESURFACING OF PROPOSED FRICTION COURSE ALONG EL PRADO BLVD. FROM OMAR AVENUE TO LOIS AVENUE.

1. USE STANDARD PLAN INDEX 102-601, 102-602, 102-613, 102-615, AND 102-660 TO SAWCUT AND REMOVE THE EXISTING PAVEMENT AND BASE WITHIN THE PROPOSED TERMINAL ISLANDS AND CONSTRUCT THE PROPOSED CURB, TRAFFIC SEPARATORS, PAVEMENT, SIDEWALK, DRIVEWAYS AND SIGNALIZATION.
2. PLACE TEMPORARY PAVEMENT MARKINGS IN THE FINAL CONFIGURATION FOR ALL REMAINING STRIPING.
3. INSTALL ADVANCE WARNING SIGNS PER THE TYPICAL MILLING SIGNAGE DETAILS AND PLACE FINAL LAYER OF FRICTION COURSE ALONG EL PRADO FROM OMAR TO LOIS.
4. USE STANDARD PLANS 102-613, 102-614, AND 102-615 TO PLACE FINAL PAVEMENT MARKINGS (THERMO) AND SIGNS AND REMOVE TEMPORARY TRAFFIC CONTROL DEVICES.

R E V I S I O N S				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			TRAFFIC CONTROL PLAN	SHEET NO.	
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.			COUNTY
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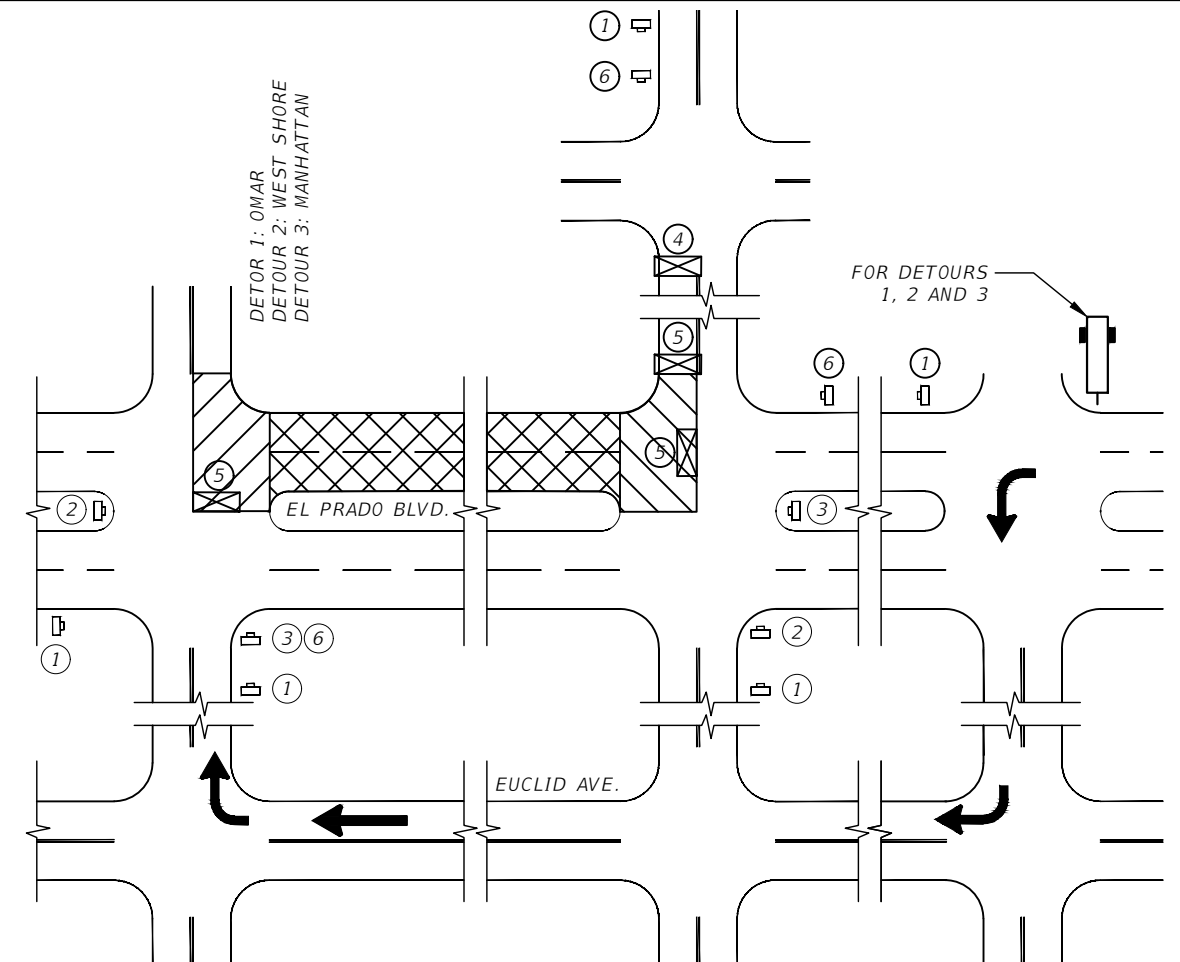


*DETOUR 1: SEGMENT OMAR - WEST SHORE
S ON OMAR, E ON EUCLID TO WEST SHORE, N ON WEST SHORE*

*DETOUR 2: SEGMENT WEST SHORE - MANHATTAN
S ON WEST SHORE, E ON EUCLID TO MANHATTAN, N ON MANHATTAN*

*DETOUR 3: SEGMENT MANHATTAN - LOIS
S ON MANHATTAN TO EUCLID, E ON EUCLID TO LOIS, N ON LOIS*

DETOUR 1		DETOUR 2		DETOUR 3	
MESSAGE 1	MESSAGE 2	MESSAGE 1	MESSAGE 2	MESSAGE 1	MESSAGE 2
EL PRADO CLOSED @ OMAR	GO OMAR EUCILD W SHORE	EL PRADO CLOSED @ W SHORE	GO WSHORE EUCILD MANHATAN	EL PRADO CLOSED @ MANHTN	GO MNHTN EUCILD LOIS



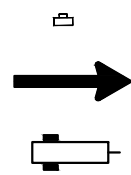
DETOUR 1: SEGMENT OMAR - WEST SHORE
S ON MANHATTAN TO EUCLID, W ON EUCLID TO OMAR, N ON OMAR

DETOUR 2: SEGMENT WEST SHORE - MANHATTAN
S ON LOIS TO EUCLID, W ON EUCLID TO WEST SHORE, N ON WEST SHORE

DETOUR 3: SEGMENT LOIS - MANHATTAN
S ON DALE MABRY , W ON EUCLID TO MANHATTAN, N ON MANHATTAN

DETOUR 1		DETOUR 2		DETOUR 3	
MESSAGE 1	MESSAGE 2	MESSAGE 1	MESSAGE 2	MESSAGE 1	MESSAGE 2
EL PRADO CLOSED @ OMAR	GO MNHTN EUCLID OMAR	EL PRADO CLOSED @ W SHORE	GO LOIS EUCLID W SHORE	EL PRADO CLOSED @ LOIS	GO DMBRY EUCLID MANHATAN

TYPE III BARRICADES
(2 PER LANE DURING FULL
ROAD/LANE CLOSURE, 1 PER LANE
DURING PARTIAL LANE CLOSURE)



PORTABLE CHANGEABLE
(VARIABLE) MESSAGE SIGN



WORK ZONE - DETOURS 2, & 3

R E V I S I O N S			
DATE	DESCRIPTION	DATE	DESCRIPTION
-	---	-	---
-	---	-	---
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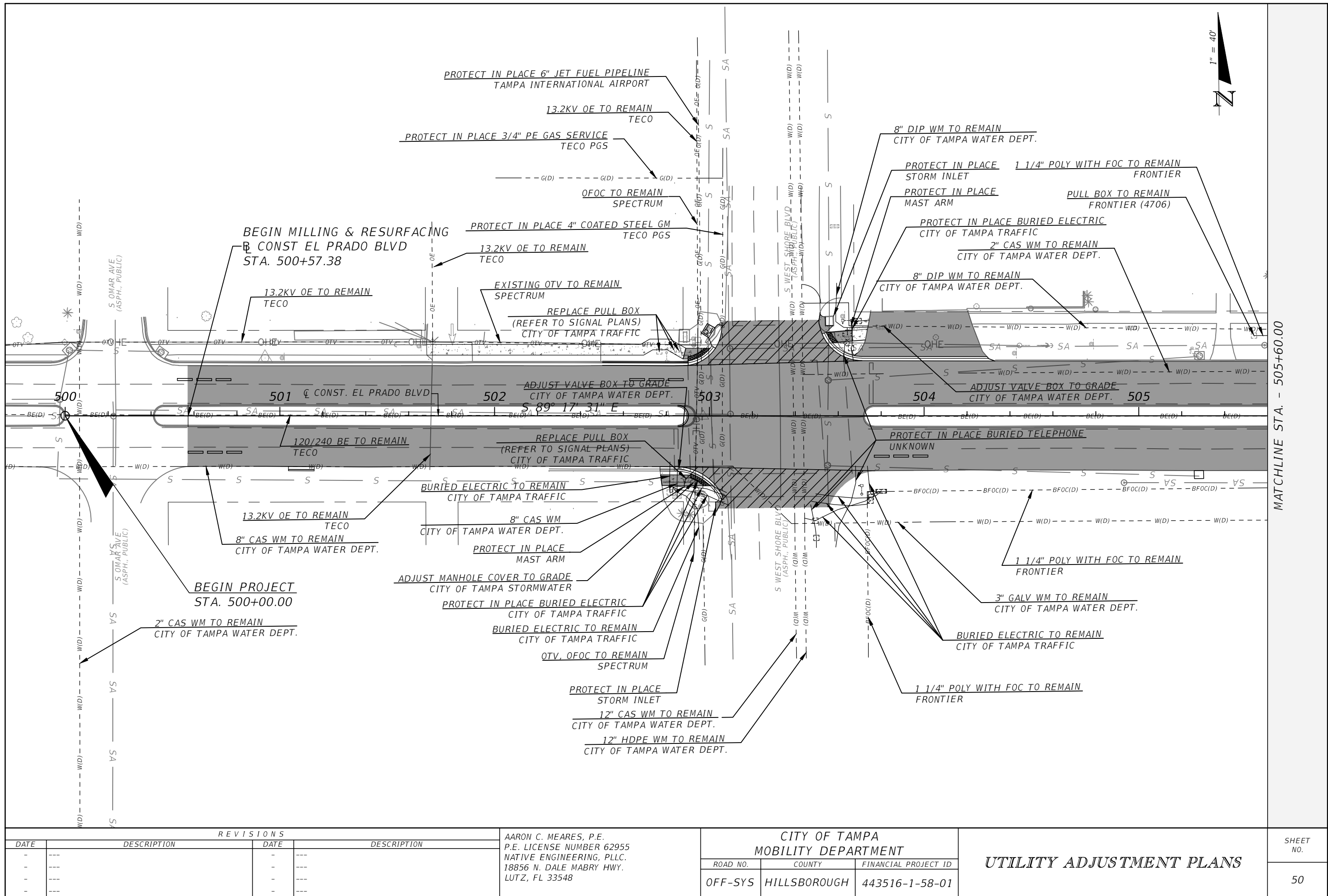
AARON C. MEARES, P.E.
P.E. LICENSE NUMBER 62955
NATIVE ENGINEERING, PLLC.
18856 N. DALE MABRY HWY.
LUTZ, FL 33548

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
OFF-SYS	HILLSBOROUGH	443516-1-58-01

TRAFFIC CONTROL PLAN

SHEET
NO.

49



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

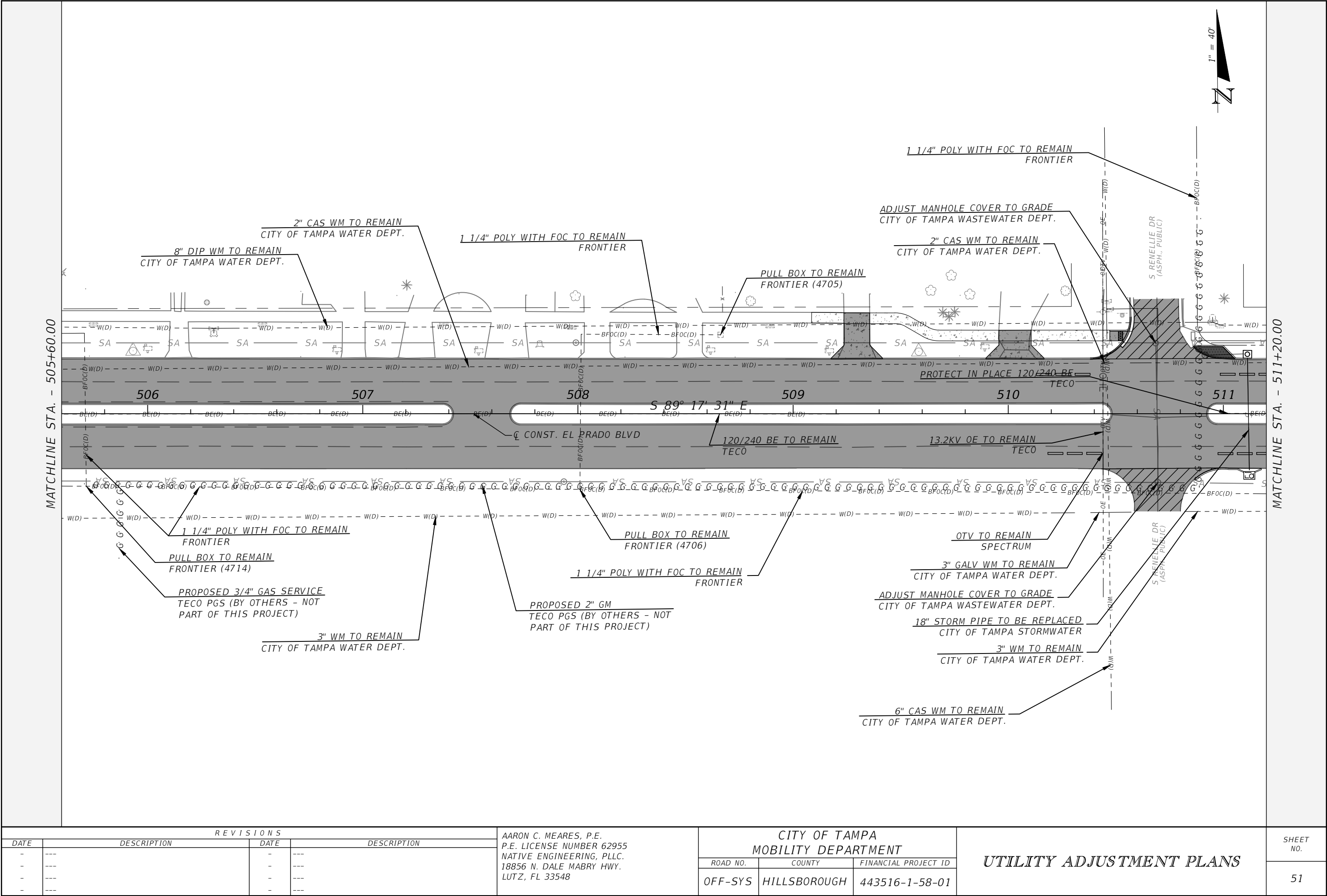
AARON C. MEARES, P.E.
P.E. LICENSE NUMBER 62955
NATIVE ENGINEERING, PLLC.
18856 N. DALE MABRY HWY.
LUTZ, FL 33548

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
OFF-SYS	HILLSBOROUGH	443516-1-58-01

UTILITY ADJUSTMENT PLANS	
50	

SHEET NO.
50

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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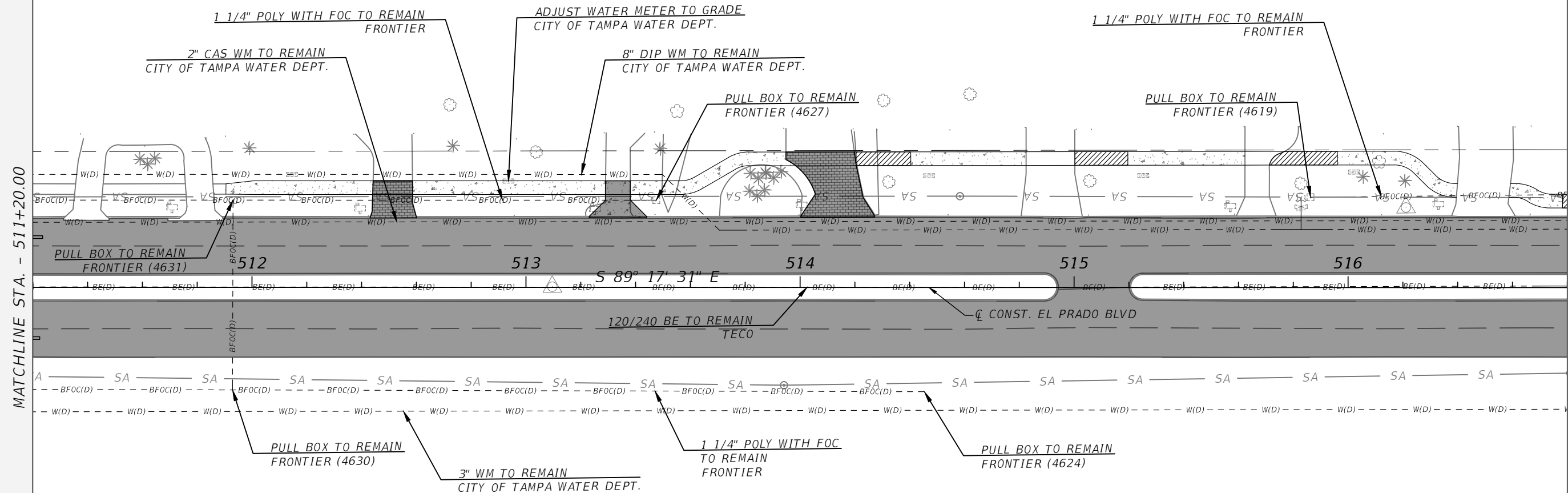
AARON C. MEARES, P.E.
P.E. LICENSE NUMBER 62955
NATIVE ENGINEERING, PLLC.
18856 N. DALE MABRY HWY.
LUTZ, FL 33548

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
OFF-SYS	HILLSBOROUGH	443516-1-58-01

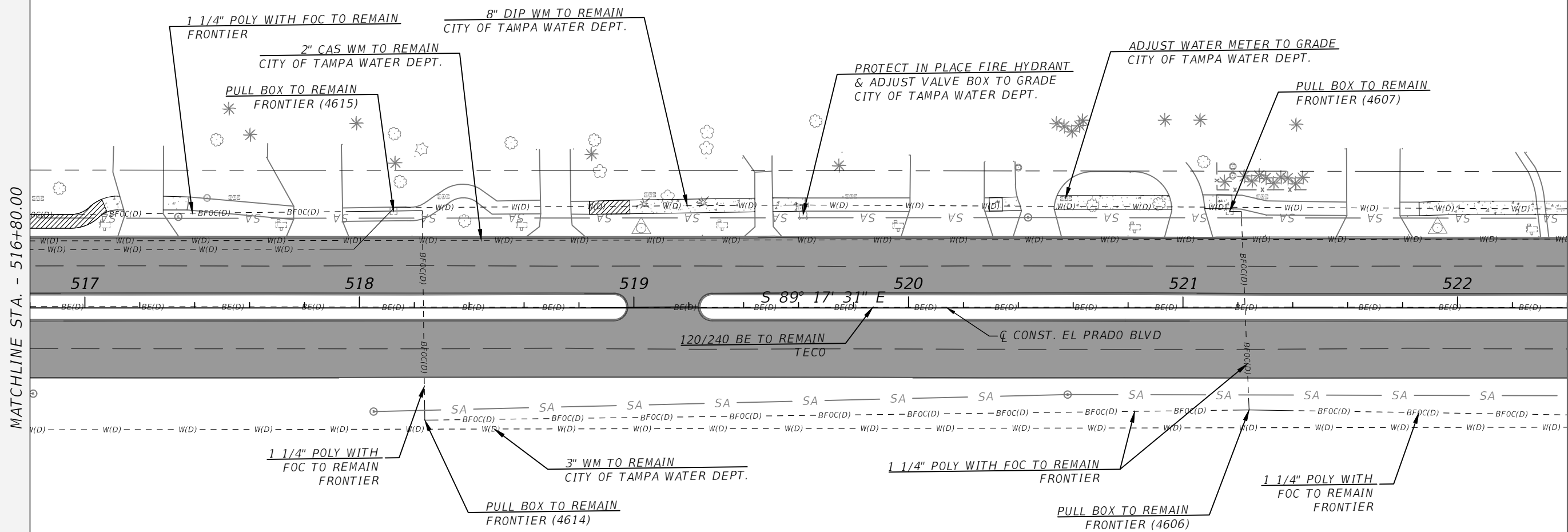
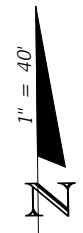
UTILITY ADJUSTMENT PLANS	
51	

SHEET NO.
51

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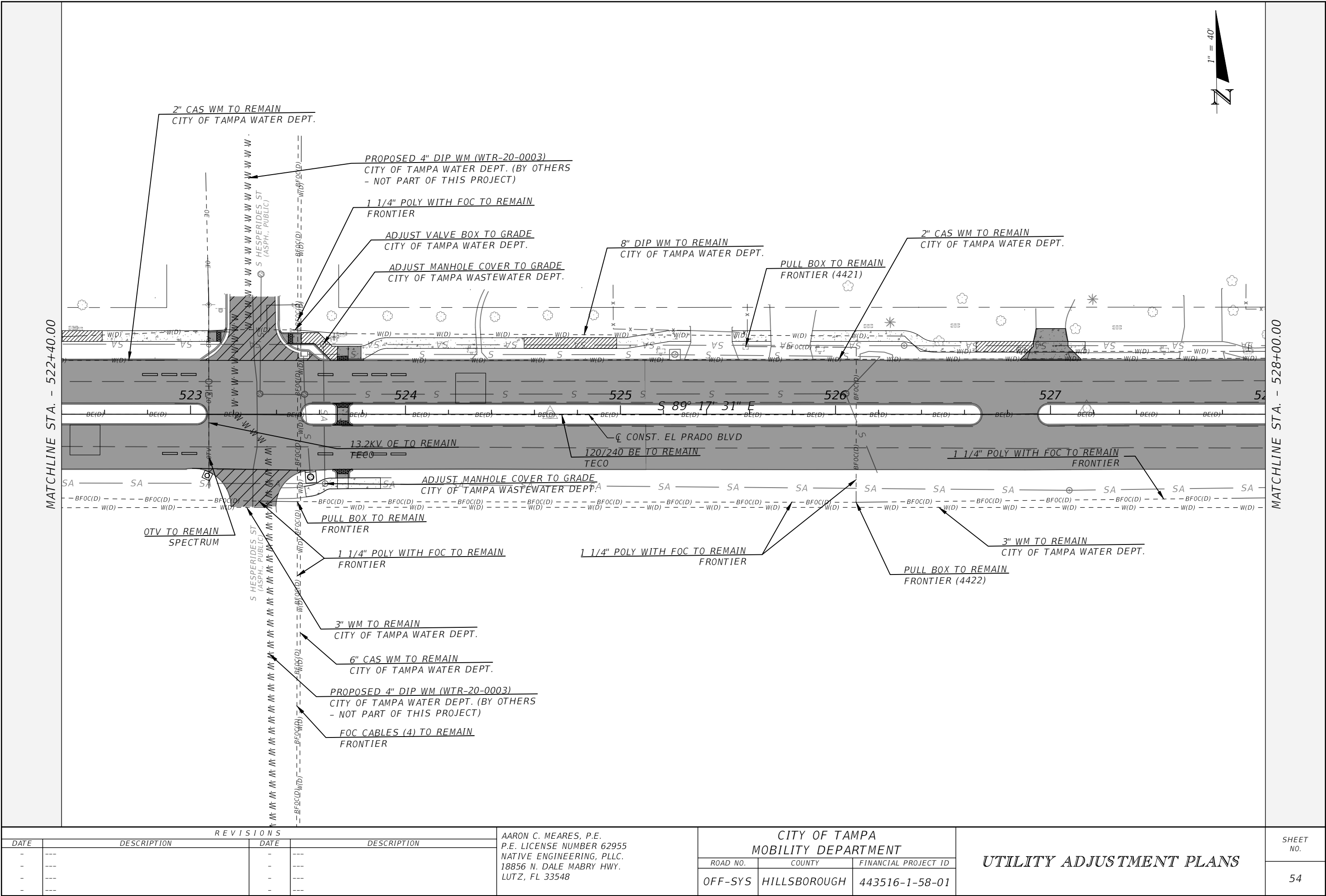


MATCHLINE STA. - 516+80.00

MATCHLINE STA. - 522+40.00

REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			UTILITY ADJUSTMENT PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	-	-	-		OFF-SYS	HILLSBOROUGH	443516-1-58-01		
-	-	-	-						53

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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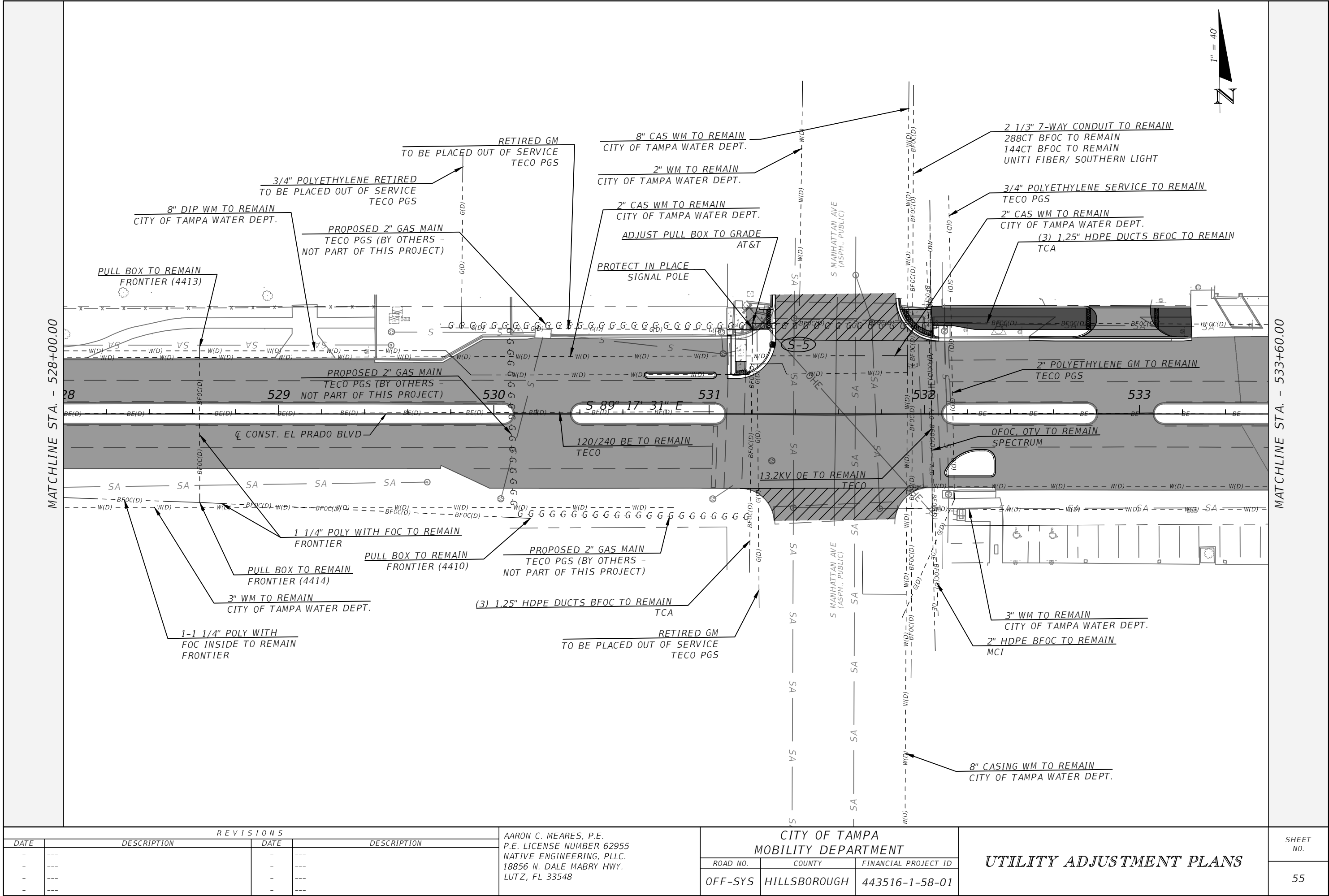
AARON C. MEARES, P.E.
P.E. LICENSE NUMBER 62955
NATIVE ENGINEERING, PLLC.
18856 N. DALE MABRY HWY.
LUTZ, FL 33548

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
OFF-SYS	HILLSBOROUGH	443516-1-58-01

UTILITY ADJUSTMENT PLANS

SHEET NO.
54

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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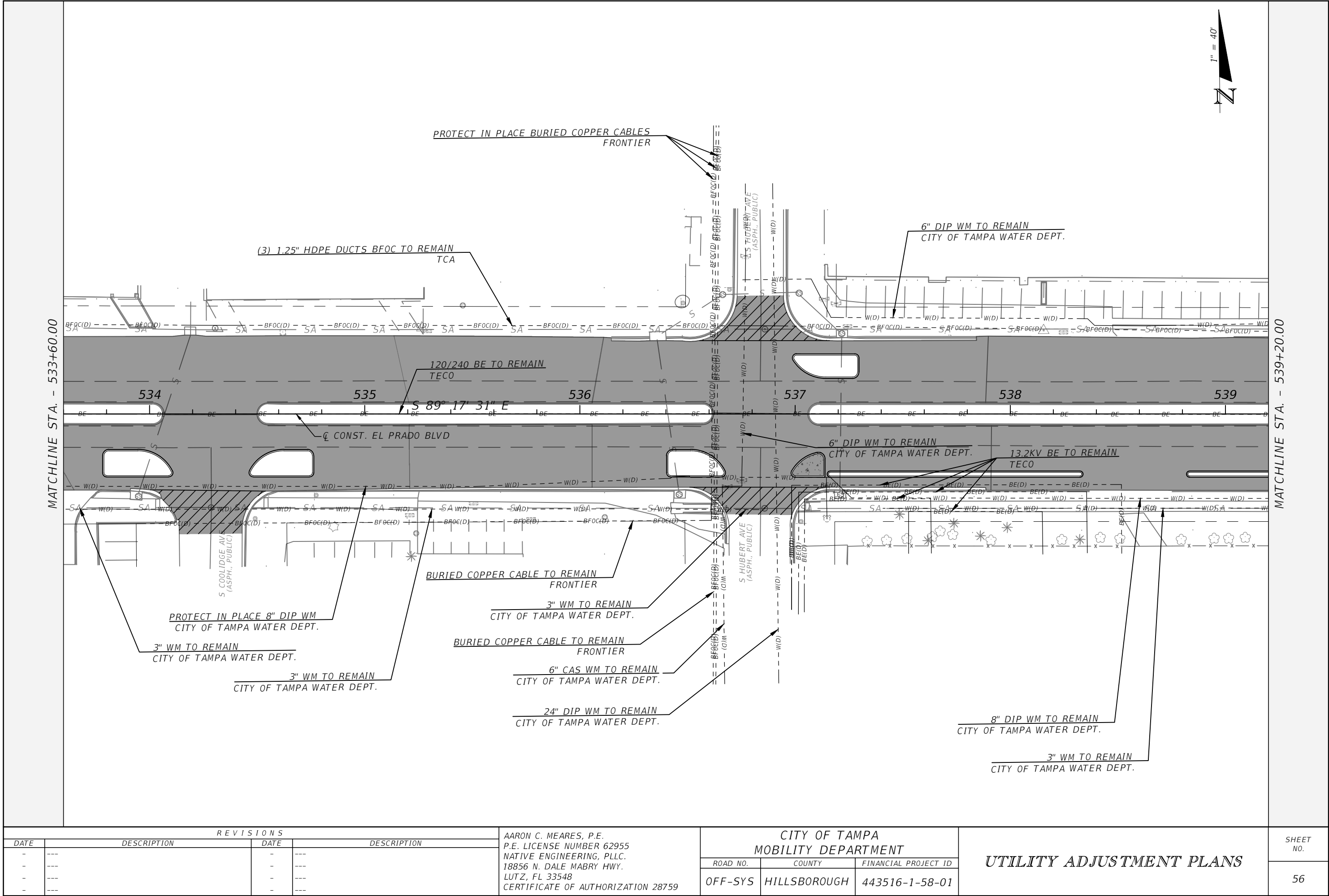
AARON C. MEARES, P.E.
P.E. LICENSE NUMBER 62955
NATIVE ENGINEERING, PLLC.
18856 N. DALE MABRY HWY.
LUTZ, FL 33548

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
OFF-SYS	HILLSBOROUGH	443516-1-58-01

UTILITY ADJUSTMENT PLANS	
55	

SHEET NO.
55

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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-	---	-	---

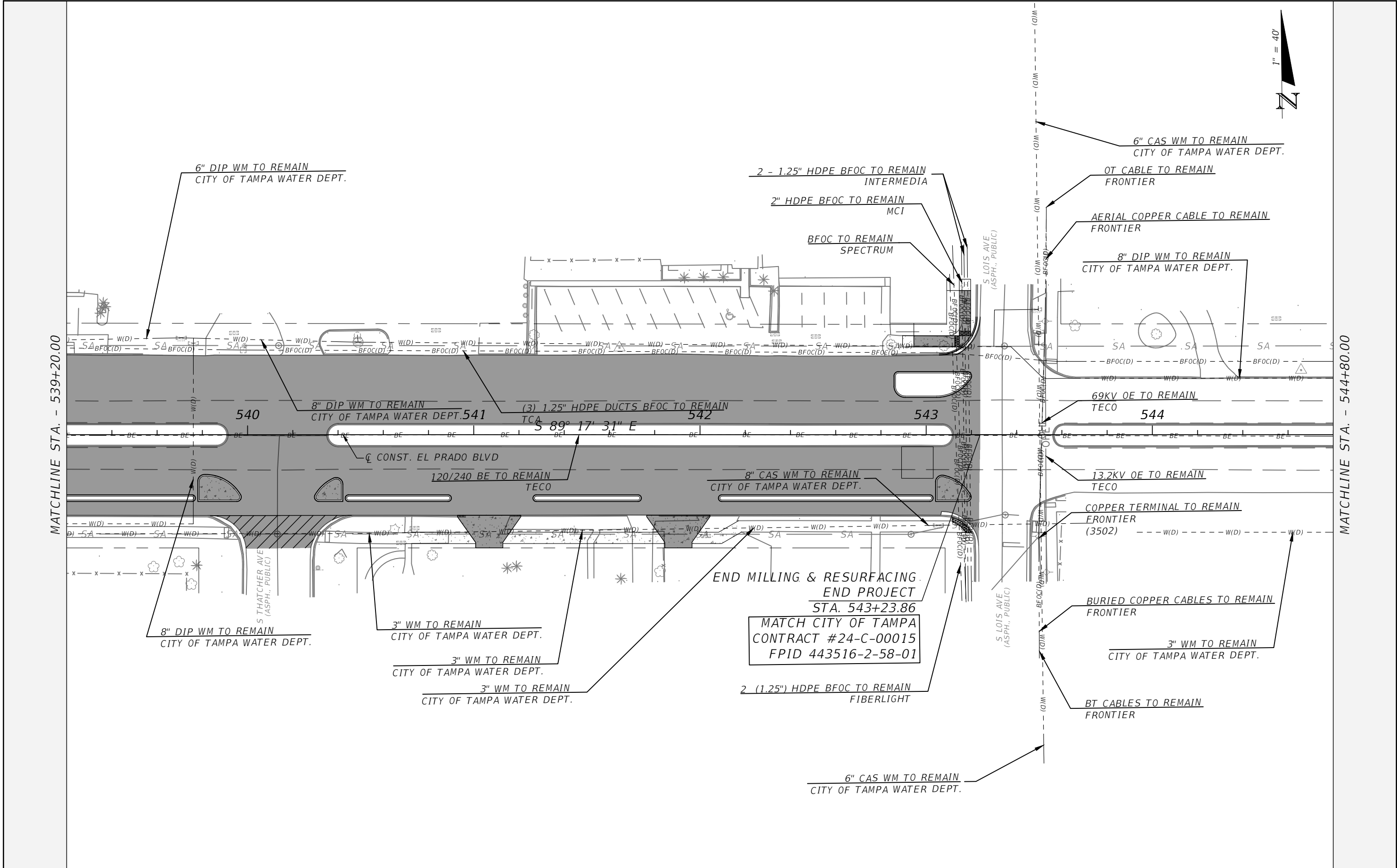
AARON C. MEARES, P.E.
P.E. LICENSE NUMBER 62955
NATIVE ENGINEERING, PLLC.
18856 N. DALE MABRY HWY.
LUTZ, FL 33548
CERTIFICATE OF AUTHORIZATION 28759

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
OFF-SYS	HILLSBOROUGH	443516-1-58-01

UTILITY ADJUSTMENT PLANS	
56	

SHEET NO.
56

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REVISIONS				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548 CERTIFICATE OF AUTHORIZATION 28759	CITY OF TAMPA MOBILITY DEPARTMENT			UTILITY ADJUSTMENT PLANS	SHEET NO. 57
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	-	-	-		OFF-SYS	HILLSBOROUGH	443516-1-58-01		
-	-	-	-						

SUMMARY OF LUMP SUM ITEMS					
PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0101 1	MOBILIZATION	1			
0102 1	MOBILIZATION OF TRAFFIC	1			

PAY ITEM NOTES

0102-1

INCLUDES ALL ITEMS ASSOCIATED WITH THE TEMPORARY TRAFFIC CONTROL PLAN.

0110-1-1

INCLUDES THE COST OF REMOVING AN UNDETERMINED AMOUNT OF ASPHALT OVERLAY IN AREAS WHERE CURB AND GUTTER HAS BEEN OVERLAID WITH ASPHALT.

0120-2-2

INCLUDES THE FOLLOWING:
A. EXCAVATE AND REPLACE SOIL IN ALL LANDSCAPE ISLANDS TO A DEPTH OF EIGHTEEN INCHES (18”) OR TO A DEPTH REQUIRED TO REMOVE ANY DEBRIS, ROCK, ASPHALT, CONCRETE, ROADWAY BASE OR OTHER OBSTURCTIONS.
B. REMOVE FROM SITE AND DISPOSE OF SOIL AND OTHER MATERIALS IN A LAWFUL MANNER.
C. PROVIDE REPLACEMENT SOIL THAT CONSISTS OF 50% SIEVED IMPORTED TOPSOIL, 25% COURSE SAND, AND 25% BLENDED SOIL. BLENDED SOIL WILL CONSIST OF: 1/3 MUSHROOM COMPOST OR PEAT, 1/3 COMERCIALLY PROCESSED COW MANURE AND 1/3 COMPOSTED BARK.
D. TEST SOIL FOR PH, AND ORGANIC CONTENT. ENSURE PH IS WITHIN A RANGE OF 6.0-7.5 AND ORGANIC CONTENT IS WITHIN A MINIMUM RANGE OF 3%-5%.
E. PRIOR TO DELIVERY TO SITE, SUBMIT SOIL SAMPLE AND SOIL TEST ANALYSIS FOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT AND PROJECT ADMINSTRATOR.

334-1-12 & 337-7-80

INCLUDES THE COST OF RESTORING THE OPENING HEIGHT AND WIDTH OF ALL CURB INLETS BY RESHAPING THE RESURFACE PAVEMENT TO REESTABLISH EXISTING CONDITIONS.

425-1-331

INCLUDES THE COST OF CITY OF TAMPA TYPE 1 & TYPE 2 INLETS.

425-15-51

INCLUDES THE COST OF CITY OF TAMPA TYPE 1 & TYPE 2 INLET TOP REPLACEMENT.

520-1-8

INCLUDES THE COST OF DROP CURB.

522-1

INCLUDES THE COST OF FLEXI-PAVE SIDEWALK PAVEMENT AT LOCATIONS SHOWN IN THE PLANS. TOTAL AREA OF FLEXI-PAVE IS 120.5 SY.

522-2

INCLUDES THE COST OF RELOCATING EXISTING MAILBOXES THAT MAY BE IN CONFLICT WITH PROPOSED RECONSTRUCTED DRIVEWAYS.

522-2

INCLUDES THE COST OF ALL 6" SIDEWALK CURBING WITHIN SIDEWALK CURB RAMPS.

526-1-101

INCLUDES THE COST OF REGRADING DRIVEWAY PRIOR TO REINSTALLING PAVERS TO ESTABLISH SLOPES AS SHOWN IN THE PLANS.

527-2

ALL DETECTABLE WARNINGS ARE TO BE THE STANDARD ADA 'PLASTIC' MAT TRUNCATED DOMES (RED COLORED) ON CONCRETE ADA RAMPS. SUBMIT SAMPLE OF DETECTABLE WARNING MATERIAL WITH SHOP DRAWING TO THE CITY FOR APPROVAL PRIOR TO INSTALLATION.

INDEX OF SUMMARY OF QUANTITIES		
SHEET NO.	SHEET DESCRIPTION	
SQ-1	SUMMARY OF LUMP SUM ITEMS	
SQ-2,3	SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES	
SQ-4	SUMMARY OF LITTER REMOVAL AND MOWING	
SQ-5	SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS	
SQ-6	SUMMARY OF PAVEMENT AND SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS	
SQ-7	SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS	
SQ-8,9,10	SUMMARY OF SIDEWALK & DETECTABLE WARNINGS	
SQ-11	SUMMARY OF PERFORMANCE TURF	
SQ-12	SUMMARY OF MISCELLANEOUS ITEMS	

				AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		
-	---	-	---						
-	---	-	---						
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SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES													
LOCATION			SIDE	ARTIFICIAL COVERINGS		SEDIMENT BARRIER		SOIL TRACKING PREVENTION DEVICE		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
				0104 1		0104 10 3		0104 15		0104 18			
STA. TO STA.				SY		LF		EA		EA			
				P	F	P	F	P	F	P	F		
501+68.45	to	502+87.75	LT.			119.3							
502+77.19	to	502+91.18	RT.			14.1							
509+03.26	to	509+23.63	LT.			20.4							
509+35.73	to	509+92.67	LT.			59.1							
510+13.69	to	510+53.24	LT.			40.4							
511+89.39	to	512+43.25	LT.			55.4							
512+59.51	to	513+28.27	LT.			68.6							
513+40.39	to	514+04.84	LT.			68.5							
514+19.84	to	514+82.52	LT.			62.7							
515+00.33	to	515+62.39	LT.			62.9							
515+72.40	to	516+39.25	LT.			69.8							
516+58.80	to	517+14.49	LT.			59.6							
517+31.95	to	517+73.42	LT.			41.8							
518+78.79	to	519+44.11	LT.			65.3							
519+50.79	to	519+98.67	LT.			47.9							
520+29.45	to	520+39.62	LT.			10.2							
520+54.45	to	520+94.74	LT.			40.3							
521+09.31	to	521+25.44	LT.			20.3							
521+81.40	to	522+29.85	LT.			48.5							
522+32.80	to	523+14.13	LT.			82.1							
523+58.33	to	523+67.62	RT.			9.3							
523+73.98	to	523+88.23	RT.			14.3							
523+80.32	to	524+31.69	LT.			51.4							
524+36.42	to	525+31.81	LT.			95.7							
525+53.64	to	525+69.64	LT.			16.0							
525+88.29	to	526+87.90	LT.			100.1							
532+04.49	to	532+76.07	LT.			71.6							
540+72.52	to	540+94.11	RT.			21.6							
541+19.50	to	541+77.77	RT.			58.3							
542+03.14	to	542+16.39	RT.			13.3							
542+81.18	to	543+11.11	LT.			29.9							
543+21.19	to	543+21.19	LT.			21.7							
SUB-TOTAL :						1,560.4							
TOTAL :						1,560.4							

DATE	DESCRIPTION	DATE	DESCRIPTION	AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF QUANTITIES	SHEET NO.
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		5Q2
-	---	-	---						

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES													
LOCATION			SIDE	ARTIFICIAL COVERINGS		SEDIMENT BARRIER		SOIL TRACKING PREVENTION DEVICE		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
				0104 1		0104 10 3		0104 15		0104 18			
STA. TO STA.				SY		LF		EA		EA			
				P	F	P	F	P	F	P	F		
500+42.81			LT.							1			
500+43.10			RT.							1			
503+01.74			LT.							1			
503+02.94			RT.							1			
503+54.11			LT.							1			
503+63.96			RT.							1			
505+28.06			RT.							1			
505+28.52			LT.							1			
511+11.17			LT.							1			
511+12.20			RT.							1			
523+00.80			RT.							1			
523+52.95			LT.							1			
523+55.05			RT.							1			
525+25.17			LT.							1			
526+18.85			RT.							1			
526+19.90			LT.							1			
530+03.87			RT.							1			
530+22.73			LT.							1			
531+02.43			RT.							1			
531+05.76			LT.							1			
531+29.18			LT.							1			
532+09.62			LT.							1			
532+11.19			RT.							1			
533+93.78			RT.							1			
534+18.90			LT.							1			
536+35.56			LT.							1			
536+46.48			RT.							1			
537+21.15			RT.							1			
537+21.77			LT.							1			
SUB-TOTAL :										29			
TOTAL :										29			

DATE		DESCRIPTION		AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF QUANTITIES	SHEET NO.
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		
-	---	-	---						

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SUMMARY OF LITTER REMOVAL AND MOWING																				
CONST . PHASE	LOCATION			SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL						MOWING						DESIGN NOTES	CONSTRUCTION REMARKS
							0107 1						0107 2							
	STA. TO STA.						L	W	CYCLES	AREA		L	W	CYCLES	AREA					
										AC/ CYCLE	TOTAL (AC)				AC/ CYCLE	TOTAL (AC)				
	501+68.29	to	503+05.88	LT.	180	30	137.6	15.0	6	0.047	0.282		137.6	8.0	6	0.025	0.150			
	503+51.66	to	510+56.58	LT.	180	30	704.9	25.0	6	0.405	2.430		704.9	8.0	6	0.129	0.774			
	510+81.75	to	523+16.38	LT.	180	30	1,234.6	25.0	6	0.709	4.254		1,234.6	8.0	6	0.227	1.362			
	523+41.33	to	531+28.83	LT.	180	30	787.5	25.0	6	0.452	2.712		787.5	8.0	6	0.145	0.870			
	531+88.91	to	533+24.43	LT.	180	30	135.5	15.0	6	0.047	0.282									
	540+69.67	to	542+18.24	RT.	180	30	148.6	15.0	6	0.051	0.306									
	542+84.00	to	543+22.10	LT.	180	30	38.1	15.0	6	0.013	0.078									
SUB-TOTAL :											10.34						3.156			
TOTAL :											10.34						3.16			

DATE	DESCRIPTION		DATE	DESCRIPTION	AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF QUANTITIES	SHEET NO.
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---		-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		SQ4
-	---		-	---						

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				AREA (SF)	LENGTH (LF)	P	F		
0110 4 10	REMOVAL OF EXIST. CONCRETE				SY			454.6			
		510+86.01 to 511+05.53	LT.		1.6		21			EXIST. TYPE D CURB	
		540+92.82 to 540+96.36	RT.		0.3		4			EXIST. TYPE D CURB	
		541+16.04 to 541+20.82	RT.		0.4		5			EXIST. TYPE D CURB	
		541+81.93 to 541+98.42	RT.		1.2		16			EXIST. TYPE D CURB	
		501+04.00 to 501+16.00	RT.		2.7		12			EXIST. TYPE F CURB & GUTTER	
		531+08.53 to 531+30.86	LT.		7.3		33			EXIST. TYPE F CURB & GUTTER	
		531+86.91 to 532+06.78	LT.		6.4		29			EXIST. TYPE F CURB & GUTTER	
		533+14.88 to 533+22.88	LT.		1.8		8			EXIST. TYPE F CURB & GUTTER	
		543+05.81 to 543+23.95	LT.		6.2		28			EXIST. TYPE F CURB & GUTTER	
		502+50.26 to 502+90.19	LT.		8.9		40			EXIST. DROP CURB	
		502+77.02 to 502+85.58	RT.		2.0		9			EXIST. DROP CURB	
		532+48.77 to 533+14.88	LT.		14.7		66			EXIST. DROP CURB	
		503+58.18 to 503+73.69	LT.		8.9		16			5' WIDE SIDEWALK	
		509+08.63 to 509+24.43	LT.		8.3		15			5' WIDE SIDEWALK	
		520+29.54 to 520+34.22	LT.		2.6		5			5' WIDE SIDEWALK	
		521+12.17 to 521+17.92	LT.		3.2		6			5' WIDE SIDEWALK	
		523+53.09 to 523+88.34	RT.		22.2		36			5' WIDE SIDEWALK	
		532+04.51 to 532+60.95	LT.		31.1		56			5' WIDE SIDEWALK	
		533+00.37 to 533+24.09	LT.		13.3		24			5' WIDE SIDEWALK	
		541+14.92 to 541+70.35	RT.		30.6		55			5' WIDE SIDEWALK	
		541+79.39 to 541+99.80	RT.		11.1		20			5' WIDE SIDEWALK	
		542+94.58 to 543+15.89	LT.		24.4		44			5' WIDE SIDEWALK	
		509+20.92 to 509+38.51	LT.		29.9	269				EXIST. DRIVEWAY	
		509+95.93 to 510+12.82	LT.		5.8	52				EXIST. DRIVEWAY	
		512+43.06 to 512+60.09	LT.		22.6	203				EXIST. BRICK PAVER DRIVEWAY	
		513+21.81 to 513+39.07	LT.		16.4	148				EXIST. DRIVEWAY	
		514+00.29 to 514+27.24	LT.		55	495				EXIST. BRICK PAVER DRIVEWAY	
		526+89.29 to 527+10.68	LT.		26	234				EXIST. DRIVEWAY	
		532+48.77 to 533+14.88	LT.		53.7	483				EXIST. DRIVEWAY	
		541+98.62 to 542+31.56	RT.		36.0	324				EXIST. DRIVEWAY	

DATE	DESCRIPTION	DATE	DESCRIPTION	AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF QUANTITIES	SHEET NO.
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		SQ5
-	---	-	---						

SUMMARY OF PAVEMENT													
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION			SIDE	AREA ID	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.						P	F	P	F		
0327 70 1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	502+85.41	to	540+46.62	RT & LT		SY	1,038.8		1,038.8			
0327 70 4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	500+57.38	to	543+23.86	RT & LT		SY	22,380.3		22,380.3			
0334 1 12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	500+57.38	to	543+23.86	RT & LT		TN	2,461.8		2,464.6			
		522+43.90	to	522+57.90	RT		TN	0.94				SPEED TABLE	
		524+23.30	to	524+37.30	LT		TN	0.94				SPEED TABLE	
		542+89.15	to	543+03.15	RT		TN	0.94				SPEED TABLE	
0334 1 12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B (SHARED USE PATH)	532+03.32	to	532+80.29	LT		TN	4.5		5.9			
		533+05.19	to	533+24.43	LT		TN	1.4					
0337 7 80	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-9.5, PG 76-22 (ROADWAY)	500+57.38	to	543+23.86	RT & LT		TN	1,288.0		1,288.0			

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS															
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION			SIDE	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
							GROSS LENGTH	DEDUCTIONS		NET LENGTH					
		STA.	TO	STA.				TYPE	LENGTH	P	F	P			F
0520 2 4	CONCRETE CURB & GUTTER, TYPE D	510+38.16	to	510+52.24	LT.	LF	14.1			15.7		773.1			
		510+86.01	to	511+05.31	LT.	LF	19.3			21.6					
		510+86.60	to	511+16.12	RT.	LF	29.5			26.7					
		523+44.54	to	523+64.83	LT.	LF	20.3			24.0					
		523+66.11	to	523+68.30	RT.	LF	2.2			5.2					
		523+66.12	to	523+62.13	RT./LT.	LF	0.0			12.8					
		523+73.30	to	523+80.50	LT.	LF	7.2			7.2					
		523+73.30	to	523+75.45	RT.	LF	2.2			5.2					
		523+75.47	to	523+75.47	RT./LT.	LF	0.0			12.8					
		532+09.47	to	532+33.16	RT.	LF	23.7			62.9					
		532+73.06	to	532+78.13	LT.	LF	5.1			6.2					
		533+78.09	to	534+10.88	RT.	LF	32.8			82.0					
		534+46.14	to	534+76.39	RT.	LF	30.3			76.9					
		536+40.23	to	536+67.77	RT.	LF	27.5			71.5					
		536+98.12	to	537+13.96	RT.	LF	15.8			46.1					
		536+98.73	to	537+29.75	LT.	LF	31.0			76.3					
		539+77.96	to	539+97.24	RT.	LF	19.3			53.3					
		540+29.52	to	540+42.14	RT.	LF	12.6			38.4					
		542+85.80	to	543+20.19	LT.	LF	34.4			82.2					
		543+04.14	to	543+19.97	RT.	LF	15.8			46.1					

DATE	DESCRIPTION	DATE	DESCRIPTION	AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF QUANTITIES	SHEET NO.
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		
-	---	-	---						SQ6

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS															
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION			SIDE	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.					GROSS LENGTH	DEDUCTIONS		NET LENGTH					
								TYPE	LENGTH	P	F	P			F
0520 1 8	CONCRETE CURB & GUTTER, DROP CURB	502+77.06	to	503+06.25	RT.	LF	29.2			34.3		224.4			
		502+90.07	to	503+02.90	LT.	LF	12.8			14.4					
		503+52.59	to	504+30.11	LT.	LF	77.5			81.3					
		531+12.70	to	531+19.30	LT.	LF	6.6			6.6					
		531+30.86	to	531+30.86	LT.	LF	0.0			8.7					
		531+87.62	to	532+03.82	LT.	LF	16.2			21.1					
		532+73.06	to	533+24.43	LT.	LF	51.4			51.4					
		543+16.42	to	543+20.64	LT.	LF	4.2			6.6					
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	501+04.00	to	501+16.00	RT.	LF	12.0			12.0		156.5			
		502+50.25	to	502+90.07	LT.	LF	39.8			39.8					
		531+08.53	to	531+08.53	LT.	LF	0.0			18.4					
		531+08.53	to	531+12.70	LT.	LF	4.2			4.2					
		531+19.30	to	531+30.50	LT.	LF	11.2			18.1					
		531+30.82	to	531+30.86	LT.	LF	0.0			4.2					
		531+30.86	to	531+30.86	LT.	LF	0.0			7.6					
		531+86.91	to	531+87.62	LT.	LF	0.7			4.8					
		532+03.82	to	532+06.76	LT.	LF	2.9			3.0					
		532+48.77	to	532+73.06	LT.	LF	24.3			24.3					
		543+05.81	to	543+16.42	LT.	LF	10.6			11.4					
		543+19.69	to	543+23.86	LT.	LF	3.2			8.7					
0520 70	TRAFFIC SEPARATOR - SP-VAR. WIDTH	530+70.00	to	531+03.53	LT.	SY	11.0			11.0		176.6			
		537+14.96	to	538+33.96	RT.	SY	39.4			39.4					
		538+81.96	to	539+76.96	RT.	SY	31.4			31.4					
		540+43.14	to	540+90.14	RT.	SY	15.4			15.4					
		541+26.14	to	541+74.14	RT.	SY	48.0			48.0					
		542+08.14	to	543+03.14	RT.	SY	31.4			31.4					

DATE		DESCRIPTION		AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF QUANTITIES	SHEET NO.
-	---	-	---		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ7
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		
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SUMMARY OF SIDEWALK & DETECTABLE WARNINGS																
LOCATION			SIDE	AREA ID	CONC SIDEWALK 4"		FLEXI -PAVE		CONC SIDEWALK 6"		PAVERS, ARCHITECTURAL, REMOVE EXISTING AND REINSTALL		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1		0522 1		0522 2		0526 1 101		0527 2			
STA. TO STA.					SY		SY		SY		SY		SF			
					P	F			P	F	P	F	P	F		
501+68.45	to	502+89.10	LT.		67.7											
503+66.78	to	503+74.45	LT.		7.2											
509+08.63	to	509+23.63	LT.		8.4											
509+35.61	to	509+95.69	LT.		43.0											
510+10.70	to	510+47.24	LT.		20.3											
511+90.47	to	512+44.19	LT.		29.2											
512+58.58	to	513+29.04	LT.		39.2											
513+38.04	to	513+94.85	LT.		33.4											
514+40.43	to	514+82.82	LT.		34.8											
515+19.64	to	515+62.40	LT.		34.5											
515+96.14	to	516+39.98	LT.		38.8											
516+58.72	to	516+78.32	LT.		30.3											
517+06.14	to	517+14.14	LT.		3.6											
517+28.56	to	517+37.95	LT.		4.9											
518+98.48	to	519+44.09	LT.		33.3											
519+50.53	to	519+62.49	LT.		6.4											
520+29.54	to	520+41.16	LT.		6.5											
520+53.14	to	520+95.97	LT.		23.4											
521+07.26	to	521+17.92	LT.		5.9											
521+86.06	to	522+40.34	LT.		67.7											
522+58.88	to	523+08.13	LT.		27.7											
523+53.09	to	523+88.34	RT.		22.2											
523+79.30	to	524+55.20	LT.		42.9											
524+98.21	to	525+32.72	LT.		19.3											
525+51.90	to	525+70.02	LT.		10.0											
525+88.48	to	526+65.49	LT.		57.8											
527+08.18	to	527+16.18	LT.		4.0											
531+08.33	to	531+17.20	LT.		9.9											
531+12.20	to	531+17.20	LT.		8.2											
540+69.67	to	541+00.84	RT.		16.6											
541+12.84	to	541+84.47	RT.		38.2											
541+96.47	to	542+18.35	RT.		11.8											
542+89.58	to	542+94.60	LT.		2.8											
543+14.69	to	543+19.69	LT.		2.8											

DATE	DESCRIPTION		DATE	DESCRIPTION		CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF QUANTITIES	SHEET NO.
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---		-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		SQ8
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THE OFFICIAL RECORD OF THIS DRAWING IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS																
LOCATION			SIDE	AREA ID	CONC SIDEWALK 4"		FLEXI-PAVE		CONC SIDEWALK 6"		PAVERS, ARCHITECTURAL, REMOVE EXISTING AND REINSTALL		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1		0522 1		0522 2		0526 1 101		0527 2			
STA. TO STA.					SY		SY		SY		SY		SF			
					P	F	P	F	P	F	P	F	P	F		
514+19.84	to	514+40.44	LT.				11.2									
515+00.31	to	515+19.65	LT.				10.7									
515+72.40	to	515+96.15	LT.				13.2									
516+78.32	to	517+07.73	LT.				17.3									
518+83.80	to	518+98.56	LT.				8.0									
522+40.34	to	522+58.88	LT.				10.3									
523+51.48	to	523+68.32	LT.				11.5									
524+55.20	to	524+98.21	LT.				23.9									
526+65.49	to	526+92.12	LT.				14.4									
502+77.30	to	503+00.44	RT.						11.0							
502+87.75	to	503+00.43	LT.						5.3							
503+02.93	to	503+05.32	RT.						0.7							
503+51.12	to	503+57.67	LT.						3.0							
503+54.45	to	503+66.78	LT.						6.1							
509+17.63	to	509+41.62	LT.						33.1							
509+89.70	to	510+16.70	LT.						26.9							
510+47.24	to	510+55.65	LT.						3.7							
513+23.04	to	513+44.04	LT.						44.4							
523+08.13	to	523+16.11	LT.						3.6							
523+42.14	to	523+51.48	LT.						3.9							
523+66.11	to	523+75.45	RT.						2.4							
523+66.12	to	523+75.47	RT./LT.						6.0							
523+68.30	to	523+79.30	LT.						7.6							
526+86.12	to	527+14.18	LT.						30.2							
531+08.33	to	531+28.86	LT.						22.0							
531+11.45	to	531+19.51	LT.						3.1							
531+17.20	to	531+28.86	LT.						12.1							
531+89.70	to	532+03.82	LT.						13.4							
536+98.12	to	537+13.96	RT.						12.6							
539+77.96	to	539+97.24	RT.						16.7							
540+29.52	to	540+42.14	RT.						8.7							
540+92.82	to	541+20.82	RT.						30.6							
541+76.44	to	542+04.44	RT.						30.6							
542+94.58	to	543+19.69	LT.						24.0							
543+04.14	to	543+19.97	RT.						12.6							

DATE	DESCRIPTION	DATE	DESCRIPTION	AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF QUANTITIES	SHEET NO.
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		SQ9
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SUMMARY OF SIDEWALK & DETECTABLE WARNINGS																
LOCATION			SIDE	AREA ID	CONC SIDEWALK 4"		FLEXI -PAVE		CONC SIDEWALK 6"		PAVERS , ARCHITECTURAL , REMOVE EXISTING AND REINSTALL		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1		0522 1		0522 2		0526 1 101		0527 2			
STA. TO STA.					SY		SY		SY		SY		SF			
					P	F	P	F	P	F	P	F	P	F		
512+43.06	to	512+60.13	LT.							22.6						
513+94.85	to	514+27.24	LT.							56.2						
502+90.07	to	503+00.43	LT.									21.0				
502+91.27	to	503+00.43	RT.									18.3				
503+54.70	to	503+60.05	LT.									11.4				
510+51.24	to	510+53.24	LT.									9.0				
523+12.13	to	523+14.13	LT.									9.0				
523+45.48	to	523+47.48	LT.									9.0				
523+66.11	to	523+75.45	RT.									12.0				
523+66.12	to	523+75.47	RT.									12.0				
523+66.13	to	523+75.47	LT.									12.0				
523+68.32	to	523+73.32	LT.									9.0				
531+11.45	to	531+19.51	LT.									10.3				
531+27.41	to	531+29.41	LT.									17.3				
531+89.88	to	531+94.80	LT.									11.3				
531+89.70	to	532+03.82	LT.									36.5				
532+75.34	to	532+77.34	LT.									20.0				
533+05.19	to	533+17.19	LT.									37.0				
543+11.55	to	543+20.15	RT.									19.0				
543+12.69	to	543+14.69	LT.									10.0				
543+14.69	to	543+19.69	LT.									10.0				
SUB-TOTAL :					812.7		120.5		374.3		78.8		294.1			
TOTAL :					812.7		120.5		374.3		78.8		294.1			

				CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF QUANTITIES	SHEET NO.
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ10
				OFF-SYS	HILLSBOROUGH	443516-1-58-01		

SUMMARY OF PERFORMANCE TURF													
LOCATION			SIDE	AREA ID	LENGTH (LF)	WIDTH (LF)	PERFORMANCE TURF (SOD)		PLASTIC EROSION MAT		DESIGN NOTES	CONSTRUCTION REMARKS	
							0570	1 2	0571	1 11			
STA. TO STA.							SY		SY				
							P	F	P	F			
501+68.45	to	502+90.07	LT.				41.6						
502+77.08	to	503+05.84	RT.				7.3						
503+57.42	to	503+72.72	LT.				12.9						
509+08.64	to	509+23.63	LT.				3.3						
509+35.62	to	509+95.69	LT.				13.8						
510+10.70	to	510+47.24	LT.				10.1						
510+86.01	to	511+05.31	LT.				4.2						
511+90.41	to	512+44.19	LT.				11.9						
512+58.53	to	513+29.04	LT.				15.7						
513+38.04	to	514+04.85	LT.				15.5						
514+19.85	to	514+82.53	LT.				13.9						
515+00.32	to	515+62.39	LT.				13.8						
515+72.39	to	516+39.98	LT.				16.1						
516+58.72	to	517+14.14	LT.				12.8						
517+28.56	to	517+37.95	LT.				2.1						
518+83.88	to	519+44.09	LT.				13.4						
519+50.63	to	519+62.49	LT.				2.7						
520+27.51	to	520+41.16	LT.				3.0						
520+53.10	to	520+95.97	LT.				9.5						
521+07.26	to	521+17.92	LT.				2.2						
521+86.16	to	523+08.13	LT.				29.0						
523+44.54	to	523+62.16	LT.				5.9						
523+79.30	to	525+32.72	LT.				29.8						
525+51.98	to	525+70.02	LT.				4.0						
525+88.48	to	526+92.12	LT.				23.2						
527+08.18	to	527+16.18	LT.				1.6						
531+08.37	to	531+12.20	LT.				4.8						
531+17.20	to	531+28.86	LT.				20.7						
532+04.49	to	532+77.21	LT.				28.6						
540+88.81	to	540+97.66	RT.				5.2						
541+15.98	to	541+81.32	RT.				50.5						
541+99.57	to	542+17.09	RT.				10.0						
542+89.58	to	543+14.58	LT.				5.6						
542+94.58	to	543+14.69	LT.				21.3						
SUB-TOTAL :							466.0						
TOTAL :							466.0						

DATE	DESCRIPTION	DATE	DESCRIPTION	AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF QUANTITIES	SHEET NO.
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
-	---	-	---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		SQ11
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SUMMARY OF MISCELLANEOUS ITEMS										
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA.			P	F	P	F		
425-5	MANHOLE, ADJUST	PROJECT LIMITS	LT./RT.	EA	5		5			
425-6	ADJUST VALVE BOX (HEIGHT)	PROJECT LIMITS	LT./RT.	EA	4		4			
635-2-30	PULL & SPLICE BOX, INSTALL (ADJUST)	PROJECT LIMITS	LT./RT.	EA	1		1			
1080-21-500	UTILITY FIXTURE, VALVE/METER BOX, ADJUST	PROJECT LIMITS	LT./RT.	EA	2		2			

DATE		DESCRIPTION		AARON C. MEARES, P.E. P.E. LICENSE NUMBER 62955 NATIVE ENGINEERING, PLLC. 18856 N. DALE MABRY HWY. LUTZ, FL 33548	CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF QUANTITIES	SHEET NO.
-	---	-	---		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ12
	---		---		OFF-SYS	HILLSBOROUGH	443516-1-58-01		
	---		---						