

THIS PROJECT TO BE LET TO CONTRACT  
WITH FINANCIAL PROJECT ID(S):  
439476-4-58-01

COMPONENTS OF CONTRACT PLANS SET  
ROADWAY PLANS  
SIGNING AND PAVEMENT MARKING PLANS  
SIGNAL PLANS

# CITY OF TAMPA MOBILITY DEPARTMENT

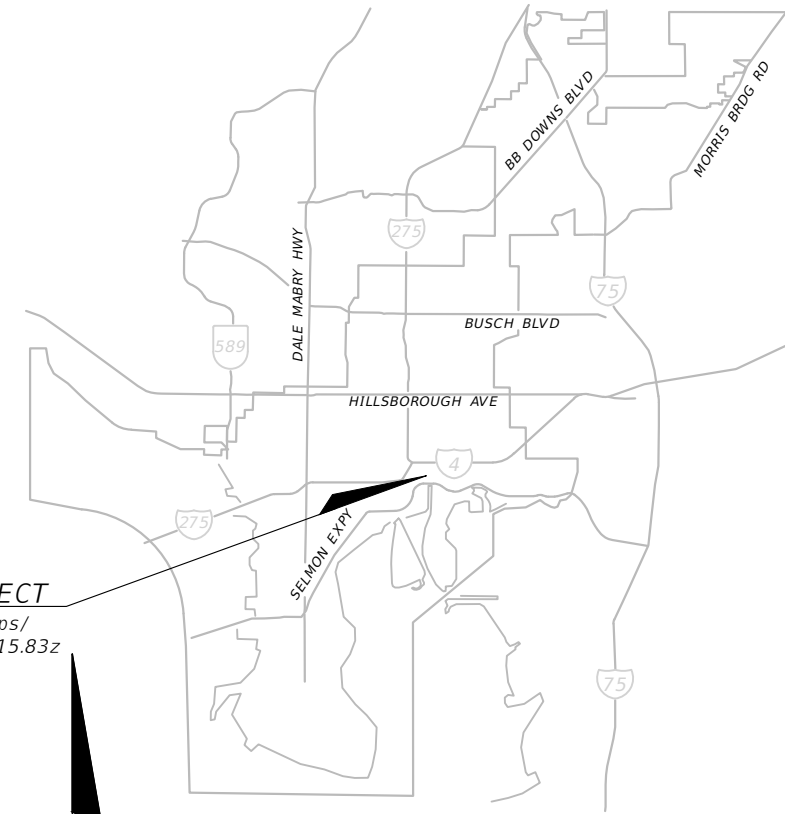
## CONTRACT PLANS

FINANCIAL PROJECT ID 439476-3-58-01  
FINANCIAL PROJECT ID 439476-3-58-02  
(FEDERAL FUNDS)

E/W GREEN SPINE CYCLE TRACK -  
PH. 3B FROM 7TH AVE. TO 13TH AVE.

### INDEX OF ROADWAY PLANS

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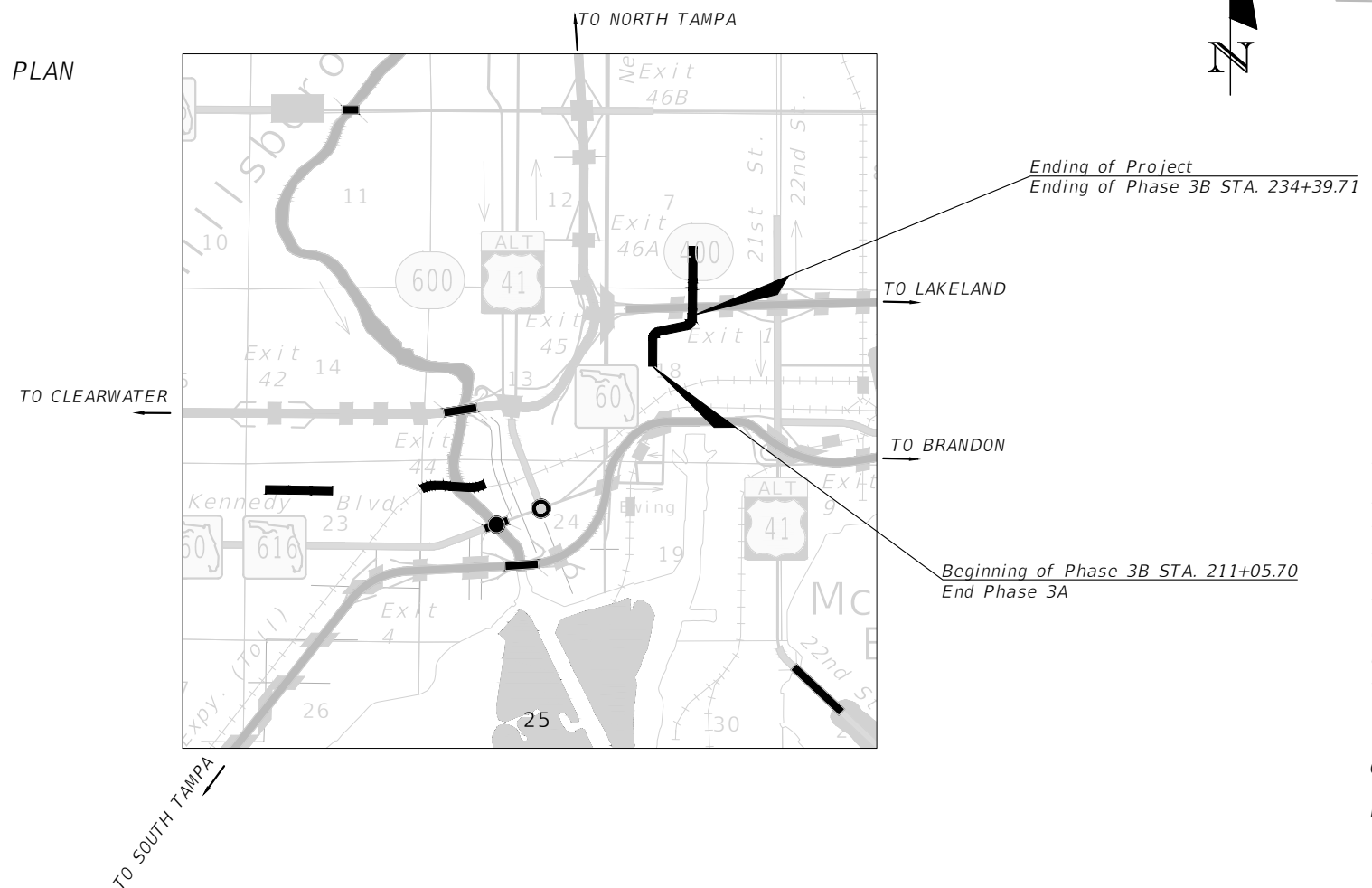


LOCATION OF PROJECT

<https://www.google.com/maps/@27.9642545,-82.4423443,15.83z>



FINAL SUBMITTAL  
FEBRUARY 2023



ENGINEER OF RECORD:  
**FATHY ABDALLA, P.E.**  
P.E. NO.: 63914  
KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN STREET, SUITE 400  
TAMPA, FL, 33602  
(813) 871-5331  
CONTRACT NO.: 21-C-00022  
VENDOR NO.: 59-1677145

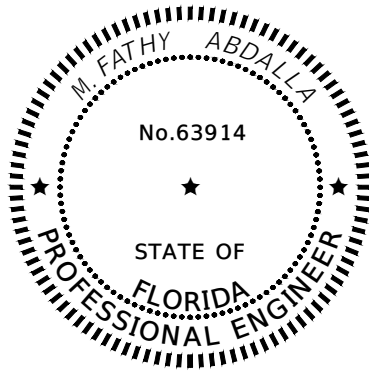
CITY OF TAMPA PROJECT MANAGER:  
**NINA S. MABILLEAU E.I.**

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
21-C-00022	23	1

GOVERNING DESIGN STANDARD:  
FLORIDA DEPARTMENT OF TRANSPORTATION, FY2023-24 DESIGN STANDARDS EBOOK (DSEB) AND APPLICABLE DESIGN STANDARDS REVISIONS (DSRS) AT THE FOLLOWING WEBSITE:  
<https://www.fdot.gov/design/standardplans>

GOVERNING STANDARD SPECIFICATIONS:  
CITY OF TAMPA AND FLORIDA DEPARTMENT OF TRANSPORTATION, FY2023-24 DIVISION II AT THE FOLLOWING WEBSITE:  
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

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



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M. Fathy 2023.08.04  
Abdalla 11:19:36 -04'00'

ON THE DATE ADJACENT TO THE SEAL

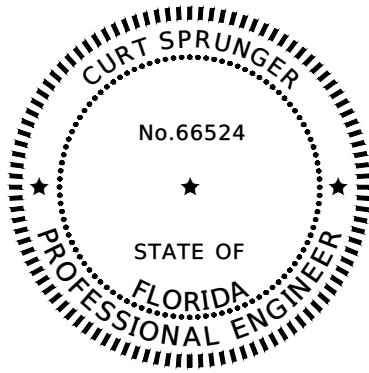
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KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602  
FLORIDA CERTIFICATE OF AUTHORIZATION  
NO. 02317  
FATHY ABDALLA, P.E. NO. 63914

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

PLAN INDEX

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SQ1 -SQ8	SUMMARY OF QUANTITIES SHEETS



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Curtis Sprunger

Curtis Sprunger  
Curtis Sprunger  
040400000118183068A00054274  
KISINGER CAMPO AND ASSOCIATES CORP. CHS  
201.834.1176.9470

ON THE DATE ADJACENT TO THE SEAL

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KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602  
FLORIDA CERTIFICATE OF AUTHORIZATION  
NO. 02317  
CURT SPRUNGER, P.E. NO. 66524

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PLAN INDEX

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
11	DRAINAGE DETAILS
15	EROSION CONTROL PLAN
16-17	STORMWATER POLLUTION PREVENTION PLAN

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.	
						HILLSBOROUGH	21-C-00022	

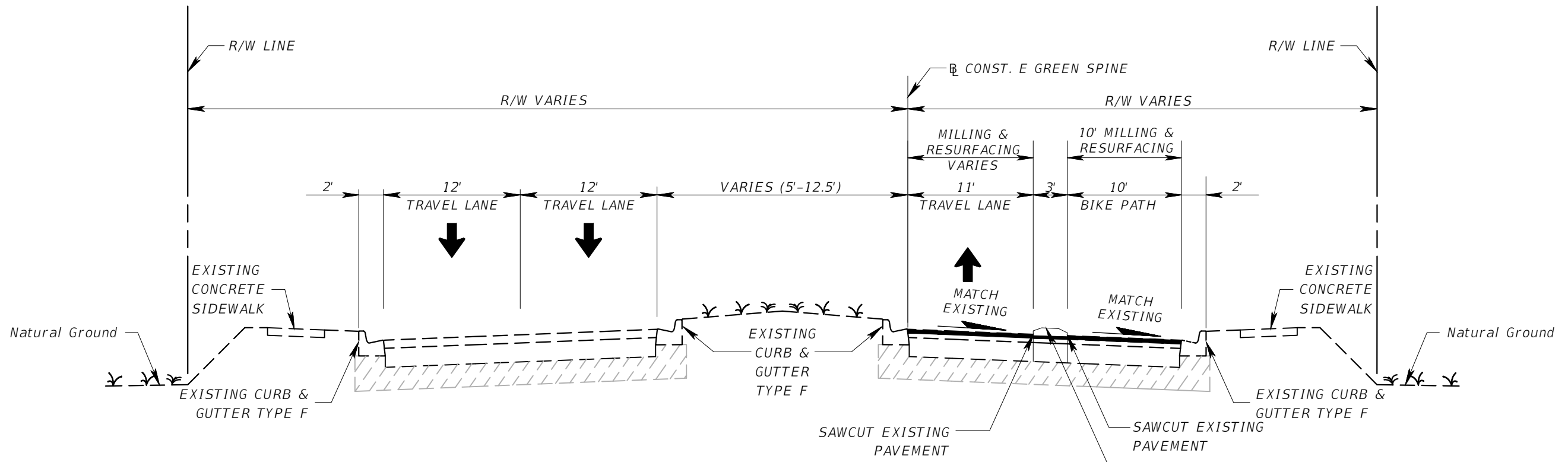
*SIGNATURE SHEET*

## PHASE 3B - NUCCIO PKWY FROM 7TH AVE TO 13TH AVE

FLORIDA DEPARTMENT OF TRANSPORTATION					
SUMMARY OF PAY ITEMS					
LEAD PROJECT: 439476-1-58-01		DISTRICT: D7		COUNTY/SECTION:	
PROJECT: 43947615801		COUNTY: HILLSBOROUGH		COUNTY: HILLSBOROUGH	
PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY		
			439476-3-58-01	439476-3-58-02	Total
101 1	MOBILIZATION	LS	1		1
102 1	MAINTENANCE OF TRAFFIC	LS	1		1
104 18	INLET PROTECTION SYSTEM	EA	10		10
425 5	MANHOLE, ADJUST	EA	4		4
435 100 2	INLET SPECIAL DRAINAGE GRATE	LF	144		144
110 1 1	CLEARING AND GRUBBING	LS	1		1
110 4 10	REMOVAL OF EXISTING CONCRETE	SY	39		39
327 70 6	MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVG DEPTH	SY	6,604		6,604
337 7 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	555		555
520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	258		258
520 2 4	CONCRETE CURB, TYPE D	LF	199		199
520 70	CONCRETE TRAFFIC SEPARATOR, SP- VAR WIDTH	SY	568		568
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	SY	27		27
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	SY	42		42
527 2	DETECTABLE WARNINGS	SF	49		49
570 1 2	PERFORMANCE TURF(SOD)	SY	5		5
9910	ADJUST VALVE BOX (HEIGHT)	EA	2		2
PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY		
			439476-3-58-01	439476-3-58-02	Total
0523 1 3	PATTERNED PAVEMENT, INCLUDING GREEN BIKE LANE	SY	150		150
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	10		10
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	250		250
0632 7 2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	95		95

FLORIDA DEPARTMENT OF TRANSPORTATION					
SUMMARY OF PAY ITEMS					
LEAD PROJECT: 439476-1-58-01		DISTRICT: D7		COUNTY/SECTION:	
PROJECT: 43947615801		COUNTY: HILLSBOROUGH		COUNTY: HILLSBOROUGH	
PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY		
			439476-3-58-01	439476-3-58-02	Total
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	2		2
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	2		2
0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	4		4
0670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1		1
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	5		5
0700 1 18	SINGLE POST SIGN, F&I GROUND MOUNT, IN-STREET FLEXIBLE POST SIGN	AS	8		8
0700 1 50	SINGLE POST SIGN, RELOCATE	AS	1		1
0700 1 60	SINGLE POST SIGN, REMOVE	AS	1		1
0705 11 3	DELINEATOR, FLEXIBLE HIGH VISABILITY MEDIAN	EA	11		11
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1		1
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	480		480
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	63		63
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	101		101
0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.252		0.252
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	2		2
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	23		23
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	32		32
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	340		340
0711 14160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	18		18
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.394		0.394
0711 16102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.032		0.032
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.469		0.469
0711 16231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.303		0.303

REVISIONS					CITY OF TAMPA MOBILITY DEPARTMENT	SUMMARY OF PAY ITEMS - (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
					ROAD NO. COUNTY PROJECT DESIGN NO.		3
					HILLSBOROUGH 21-C-00022		



**TYPICAL SECTION I**  
**PHASE 3B - NUCCIO PKWY. (7TH AVE. TO 13TH AVE.)**  
 STA. 211+05.70 TO 234+39.71

MILL EXISTING ASPHALT PAVEMENT (1.5" AVG. DEPTH)  
 FRICTION COURSE SP-12.5 (TRAFFIC C) (1.5") (PG 76-22)

TRAFFIC DATA	
CURRENT YEAR	= 2019 AADT = 5,400
ESTIMATED OPENING YEAR	= 2025 AADT = 6,000
ESTIMATED DESIGN YEAR	= 2045 AADT = 7,900
K=9% D=100% T=8% (24 HOUR)	
DESIGN HOUR T	= 4%
DESIGN SPEED	= 30 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**TYPICAL SECTION - (1)**

SHEET NO.

4



**GENERAL NOTES**

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHOULD REMAIN UNLESS OTHERWISE NOTED.
3. IF ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, IMMEDIATELY NOTIFY THE ENGINEER IN CONJUNCTION WITH THE CITY SURVEYOR, CLARENCE "LUCKY" WADE (813) 635-3430.
4. PROPOSED CONCRETE SIDEWALK TO BE 4" CONCRETE. SIDEWALK CROSSING DRIVEWAYS TO BE 6" CONCRETE.
5. AREAS DISTURBED OUTSIDE THE PAVEMENT SHALL BE RESTORED TO THEIR ORIGINAL NEW CONDITION. GRASSED AREAS DISTURBED SHALL BE RESTORED WITH PERFORMANCE SOD.
6. MAINTAIN ONE COMPLETE SET OF CONTRACT DOCUMENTS AT THE SITE, THESE DOCUMENTS SHALL INCLUDE BUT NOT BE LIMITED TO CONTRACT DOCUMENTS AND SPECIFICATIONS, AND ANY TECHNICAL OR REFERENCE DOCUMENTS THAT MAY BE RELATIVE. AS THE WORK PROGRESSES RECORD ON ONE SET OF REPRODUCIBLE DRAWINGS ALL CHANGES AND DEVIATIONS FROM THE ORIGINAL PLANS. RECORD THE EXACT LOCATION OF ALL CHANGES IN VERTICAL AND HORIZONTAL ALIGNMENT BY OFFSETS AND TIES TO PERMANENT IMPROVEMENTS SUCH AS STRUCTURES AND CURBS. ALL DEVIATIONS FROM THESE PLANS SHALL BE APPROVED BY THE ENGINEER.
7. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE CITY'S SPECIFICATIONS ARE SUBJECT TO REMOVAL AND REPLACEMENT WITH APPROVED MATERIALS FOR NO ADDITIONAL PAYMENT.
8. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF THE CITY IS SUBJECT TO RE-EXCAVATION, REMOVAL AND REPLACEMENT OF SAME TO BE DONE FOR NO ADDITIONAL PAYMENT.
9. PROVIDE SUFFICIENT PERSONNEL AND EQUIPMENT ON THE JOB AT ALL TIMES DURING CONSTRUCTION TO SATISFY THE SPECIFICATIONS AND COMPLETE WORK.
10. VERIFY ALL QUANTITIES SHOWN ON THE PLANS. IF ANY DISCREPANCIES IN QUANTITIES ARE FOUND, NOTIFY THE PROJECT ENGINEER AND THE CITY.
11. ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS SHALL BE COMPLIED WITH.
12. APPROPRIATE TURBIDITY CONTROL DEVICES (E.G. SILT FENCES, SYNTHETIC BALES) WILL BE UTILIZED DURING ALL PHASES OF INSTALLATION AND GRADING. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT AND NOTICE OF TERMINATION TO THE EPA IN COMPLIANCE WITH THE CITY NPDES PERMIT. CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND MAINTAINING AN EFFECTIVE STORM WATER POLLUTION PREVENTION PLAN.
13. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHOULD VERIFY AND SHOULD BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES AFFECTING HIS WORK. ANYTHING NOT SHOWN ON THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHOULD NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER.
14. CONTACT THE ENGINEER AND CITY IMMEDIATELY CONCERNING ANY CONFLICTS WITH THE CITY'S UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF ANY FACILITIES SHOWN ON THESE DRAWINGS.
15. VERIFY ALL UTILITIES AND PROVIDE AT LEAST 48 HOURS NOTICE TO THE INDIVIDUAL UTILITY AGENCY OWNERS AND CITY PRIOR TO CONSTRUCTION.
16. REPLACE ALL PAVEMENT, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, ETC., WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD RESTORE ALL AREAS AFFECTED BY THE CONSTRUCTION TO ITS ORIGINAL CONDITION, OR BETTER.
17. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
18. ALL FRAMES, COVERS, VALVE BOXES, METER BOXES, FIRE HYDRANTS AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. ALL VALVE PADS SHALL BE POURED IN PLACE. NO PRE-FORMED VALVE PADS ALLOWED.
19. EXISTING UTILITIES NOT BEING RELOCATED, ARE TO REMAIN IN SERVICE.
20. CONTRACTOR SHOULD MAINTAIN ALL VEHICLE DETECTION THROUGHOUT THE ENTIRETY OF THE PROJECT AND UNTIL THE REPLACED DETECTION DEVICES HAVE PASSED INSPECTION
21. CONTRACTOR SHOULD COORDINATE WITH THE ADJACENT RRFB PROJECT BY CITY OF TAMPA FOR IMPLEMENTING A MIDBLOCK CROSSING BY THE ADJACENT PROJECT AT APPROX. STA. 224+50

22. THIS PROJECT IS TO BE CONSTRUCTED COMPLETELY WITHIN TRANSPORTATION RIGHT-OF-WAY.

**CONSTRUCTION NOTES**

1. DO NOT EXCAVATE ANY AREAS THAT CANNOT BE SAFELY REOPENED TO TRAFFIC WITHIN THE SAME WORK PERIOD.
2. USE APPROPRIATE MEASURES TO PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO INLETS, SURFACE DRAINS, LAKES, AND WETLANDS. THE CONTRACTOR SHOULD USE INLET PROTECTION SYSTEMS AND SEDIMENT BARRIERS OR OTHER APPROPRIATE MEASURES TO PREVENT ADVERSE IMPACTS TO EXISTING SURFACE WATER QUALITY.
3. CHECK ALL EROSION AND SILTATION CONTROL DEVICES AFTER EACH RAINFALL AND REPAIR OR REPLACE THEM AS NEEDED..
4. CHECK ALL FUGITIVE DUST GENERATED BY CONSTRUCTION ACTIVITIES IN THE PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
5. ALL UNSUITABLE MATERIAL ENCOUNTERED DURING CONSTRUCTION, AS DETERMINED BY THE CITY CONSTRUCTION INSPECTOR, SHALL BE REMOVED AND REPLACED WITH CLEAN FILL.
6. HISTORIC GRANITE CURBS WILL REMAIN IN PLACE THROUGHOUT THE PROJECT AND IN LOCATIONS WHERE CURB WORK IS ANTICIPATED, GRANITE CURBS WILL BE RE-INSTALLED
7. THIS PROJECT IS TO BE CONSTRUCTED COMPLETELY WITHIN TRANSPORTATION RIGHT-OF-WAY.

**STORMWATER NOTES**

1. PROPOSED SIDEWALK SHALL NOT IMPEDE HISTORICAL DRAINAGE FLOW PATTERNS.
2. SIGNED AND SEALED AS-BUILT DRAWINGS WITH SURVEYED ELEVATION DATA SHALL BE SUBMITTED TO THE CITY OF TAMPA STORMWATER ENGINEERING SECTION (ATTENTION BARBARA GRAVE).
3. ALL PROPOSED PIPE TO BE RCP CLASS II.

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.	
						HILLSBOROUGH	21-C-00022	

*GENERAL NOTES - (1)*

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CURVE DATA TABLE

NUMBER	PC STA.	PI STA.	PT STA.	T	D	Δ	DIRECTION	L	R	PC NORTH.	PC EAST.	PI NORTH.	PI EAST.	PT NORTH.	PT EAST.
C9	207+86.17	208+22.34	208+58.37	36.17	012° 03' 44"	008° 42' 33"	RT	72.202	475.000	1318249.3720	511954.3413	1318285.5417	511954.6148	1318321.2529	511960.3620
C10	208+86.89	209+16.71	209+46.38	29.81	016° 22' 13"	009° 44' 17"	LT	59.486	350.000	1318349.4144	511964.8942	1318378.8503	511969.6315	1318408.6633	511969.3216
C11	219+33.31	221+04.08	222+20.25	170.77	027° 13' 08"	078° 06' 03"	RT	286.936	210.500	1319395.5828	511971.4403	1319566.3475	511972.1596	1319600.8538	512139.4032
C12	230+99.19	232+60.90	233+71.16	161.71	028° 38' 52"	077° 54' 53"	LT	271.974	200.000	1319778.4594	513000.2132	1319811.1359	513158.5879	1319972.8420	513159.7941

BENCHMARKS

<u>Benchmark Name</u>	<u>Sta.</u>	<u>Offset</u>	<u>Side</u>	<u>East</u>	<u>North</u>	<u>Elev.</u>	<u>Description</u>
BM509	207+73.49	34.11	Rt.	511 988.352	1 318 236.436	21.73	Nail & Disc "City of Tampa TS&S Survey Control"
BM510	211+04.51	47.98	Lt.	511 919.966	1 318 566.986	23.69	Nail & Disc "City of Tampa TS&S Survey Control"
BM511	213+00.09	34.74	Rt.	512 003.516	1 318 762.216	25.33	Nail & Disc stamped "City of Tampa Trans. Div. Survey Control"
BM512	215+97.17	47.94	Lt.	511 922.086	1 319 059.648	28.30	Nail & Disc "City of Tampa TS&S Survey Control"
BM513	219+07.09	49.30	Lt.	511 922.027	1 319 369.571	33.79	Nail & Disc "City of Tampa TS&S Survey Control"
BM514	221+07.36	46.64	Lt.	512 008.601	1 319 584.629	40.93	Nail & Disc "City of Tampa TS&S Survey Control"
BM515	225+27.66	30.21	Rt.	512 446.581	1 319 633.383	38.65	Nail & Disc "City of Tampa TS&S Survey Control"
BM516	229+89.72	29.87	Rt.	512 899.034	1 319 727.081	32.37	Nail & Disc "City of Tampa TS&S Survey Control"
BM517	232+58.60	37.60	Rt.	513 159.798	1 319 846.062	32.89	Nail & Disc "City of Tampa TS&S Survey Control"
BM518	234+65.11	25.10	Rt.	513 203.568	1 320 048.336	34.82	Nail & Disc "City of Tampa TS&S Survey Control"
BM519	228+96.62	227.09	Lt.	512 745.832	1 320 008.898	35.10	Nail & Disc "City of Tampa TS&S Survey Control"

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

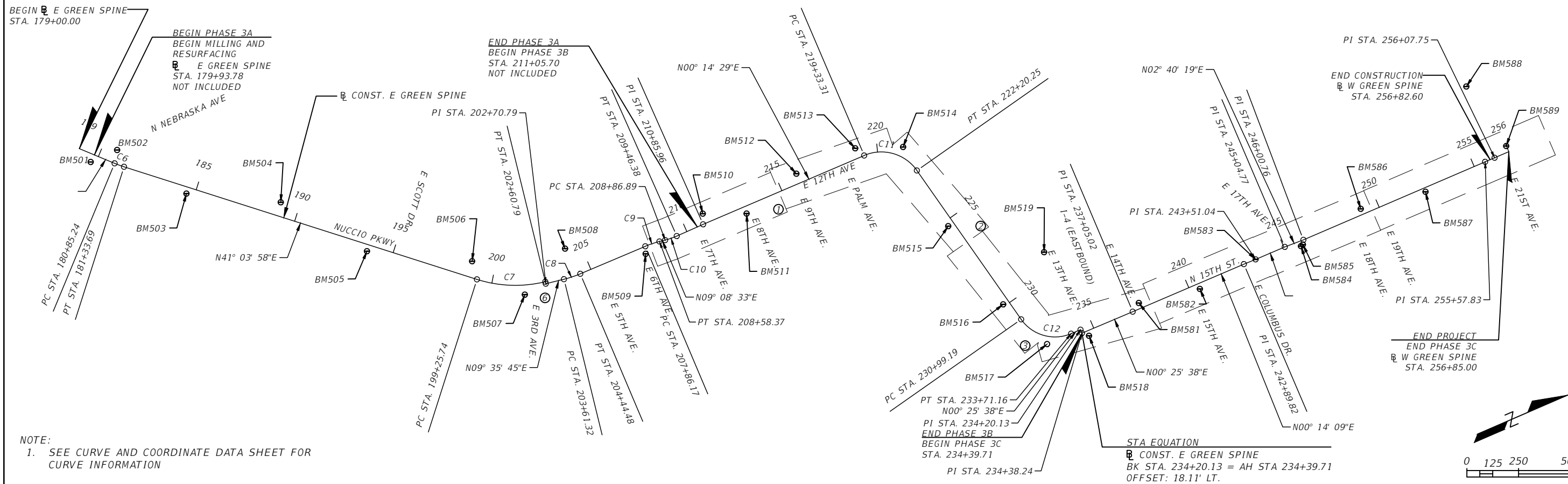
CITY OF TAMPA  
 MOBILITY DEPARTMENT

ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

***CURVE DATA TABLE & BENCHMARKS TABLE***

SHEET NO.

6



NOTE:  
 1. SEE CURVE AND COORDINATE DATA SHEET FOR CURVE INFORMATION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914




CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

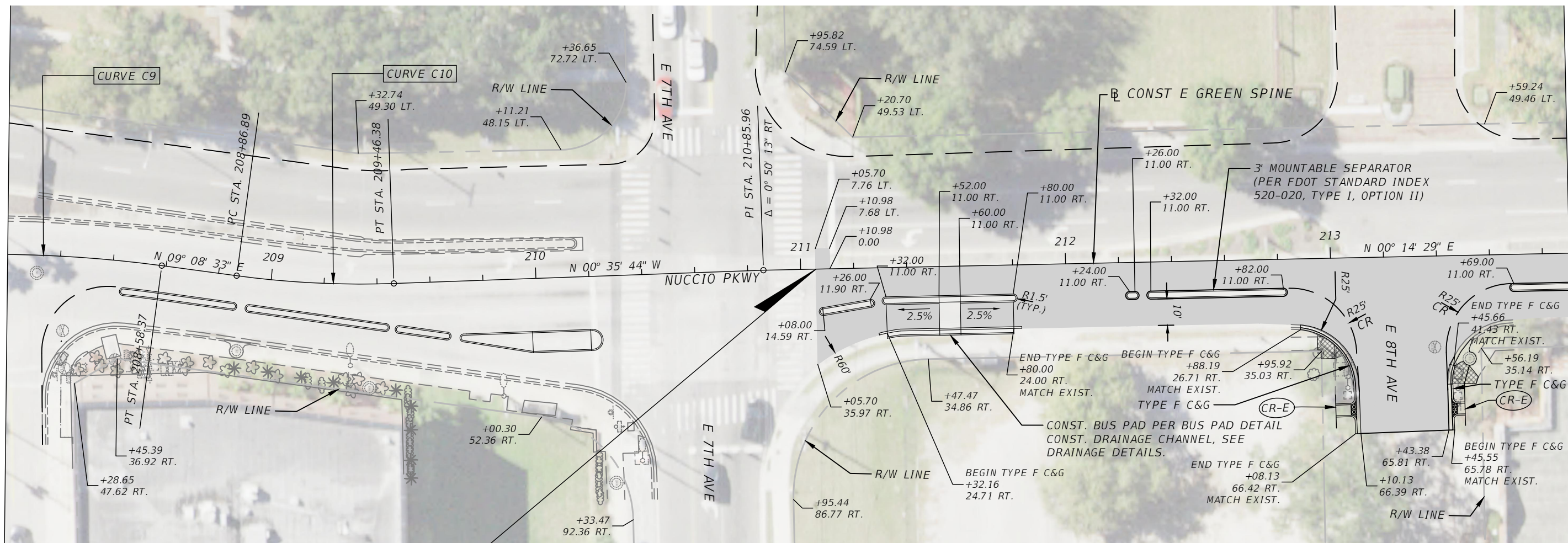
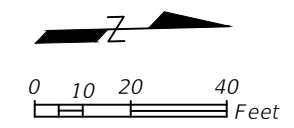
**PROJECT LAYOUT**

SHEET NO.  
7

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LEGEND:

	MILLING AND RESURFACING
	CONCRETE REMOVAL
	DETECTABLE WARNINGS



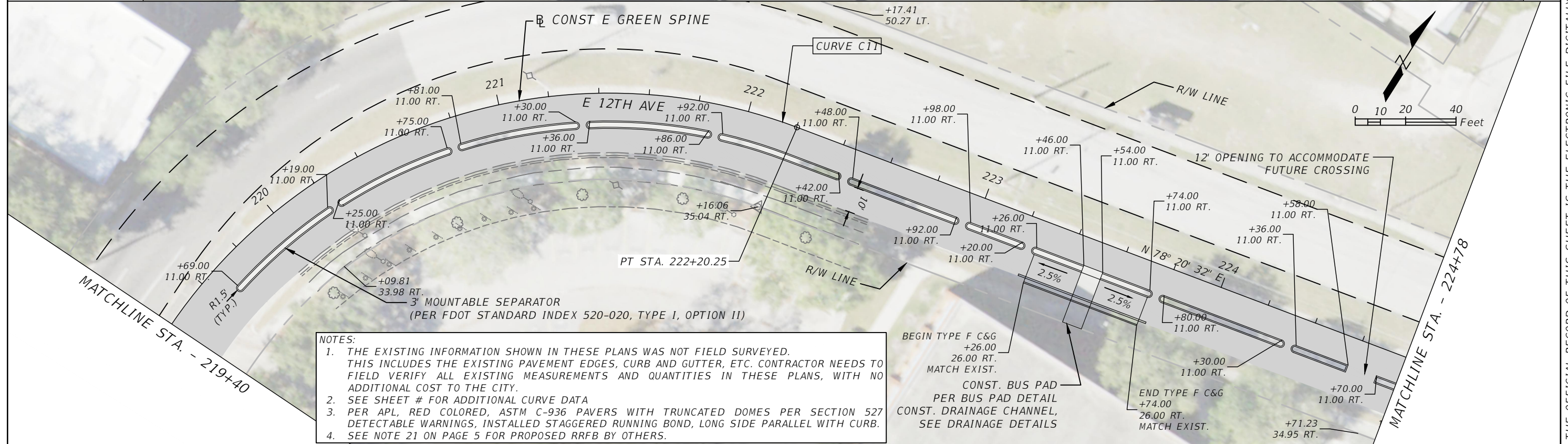
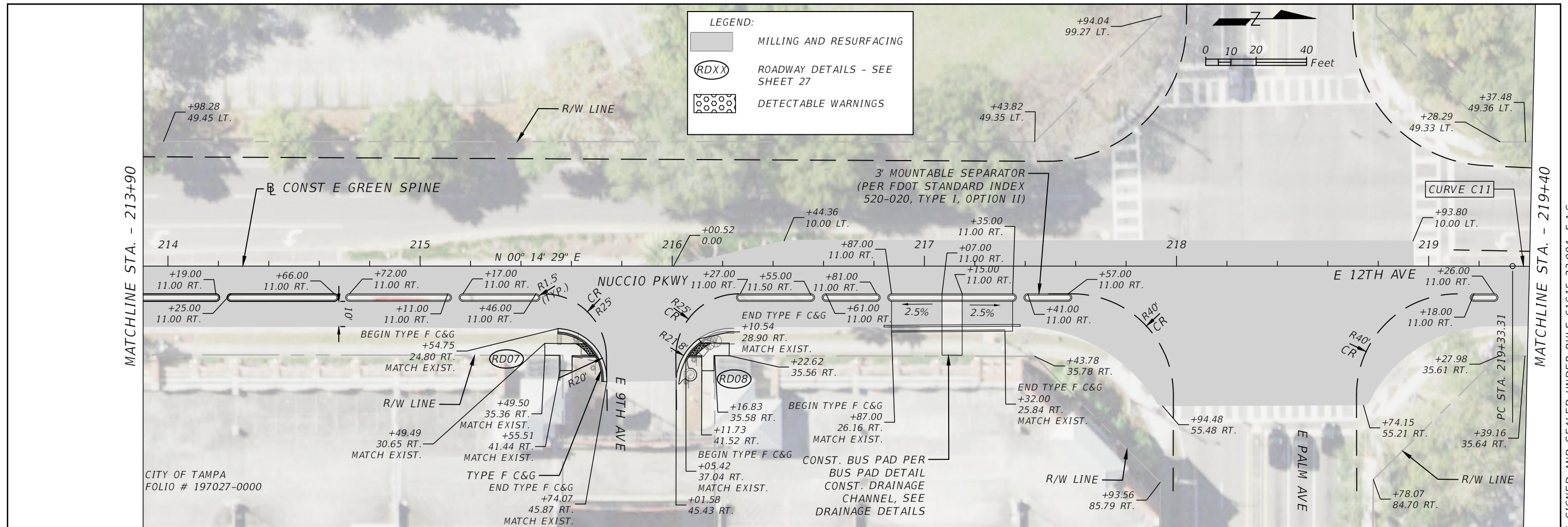
END PHASE 3A  
 MATCH FPID 439475-2-58-01  
 BEGIN PHASE 3B  
 BEGIN MILLING AND RESURFACING  
 CONST. E GREEN SPINE  
 STA. 211+05.70

- NOTES:
1. THE EXISTING INFORMATION SHOWN IN THESE PLANS WAS NOT FIELD SURVEYED. THIS INCLUDES THE EXISTING PAVEMENT EDGES, CURB AND GUTTER, ETC. CONTRACTOR NEEDS TO FIELD VERIFY ALL EXISTING MEASUREMENTS AND QUANTITIES IN THESE PLANS, WITH NO ADDITIONAL COST TO THE CITY.
  2. SEE SHEET # FOR ADDITIONAL CURVE DATA
  3. PER APL, RED COLORED, ASTM C-936 PAVERS WITH TRUNCATED DOMES PER SECTION 527 DETECTABLE WARNINGS, INSTALLED STAGGERED RUNNING BOND, LONG SIDE PARALLEL WITH CURB.

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.	
					HILLSBOROUGH	21-C-00022	<b>ROADWAY PLANS - (1)</b>	

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- NOTES:**
1. THE EXISTING INFORMATION SHOWN IN THESE PLANS WAS NOT FIELD SURVEYED. THIS INCLUDES THE EXISTING PAVEMENT EDGES, CURB AND GUTTER, ETC. CONTRACTOR NEEDS TO FIELD VERIFY ALL EXISTING MEASUREMENTS AND QUANTITIES IN THESE PLANS, WITH NO ADDITIONAL COST TO THE CITY.
  2. SEE SHEET # FOR ADDITIONAL CURVE DATA
  3. PER APL, RED COLORED, ASTM C-936 PAVERS WITH TRUNCATED DOMES PER SECTION 527 DETECTABLE WARNINGS, INSTALLED STAGGERED RUNNING BOND, LONG SIDE PARALLEL WITH CURB.
  4. SEE NOTE 21 ON PAGE 5 FOR PROPOSED RRFB BY OTHERS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

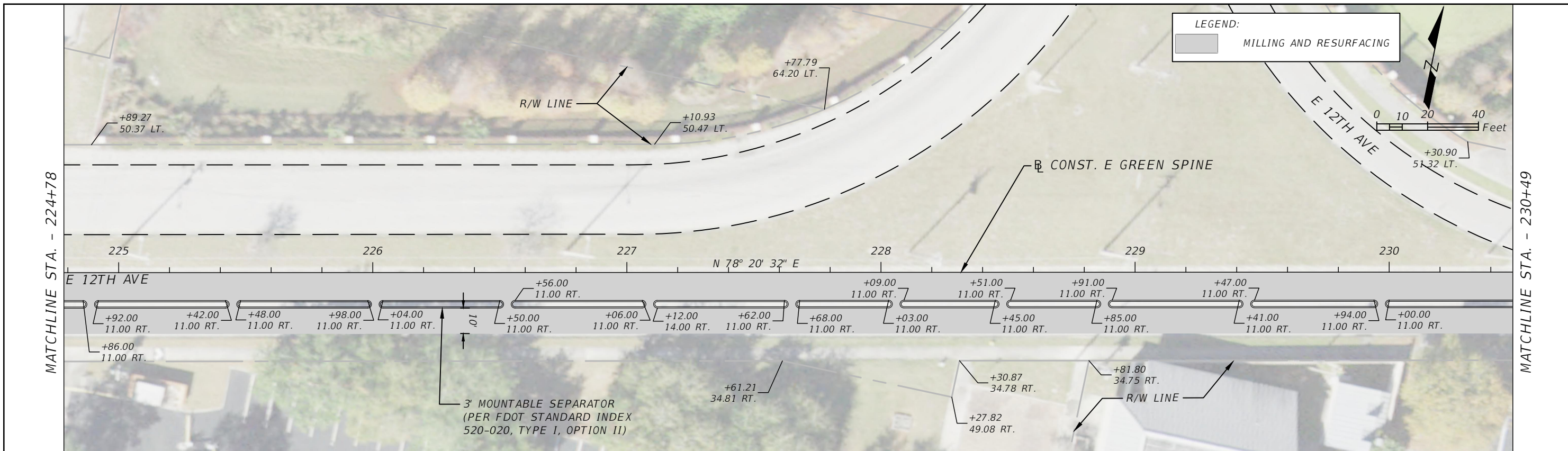
CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**ROADWAY PLANS - (2)**

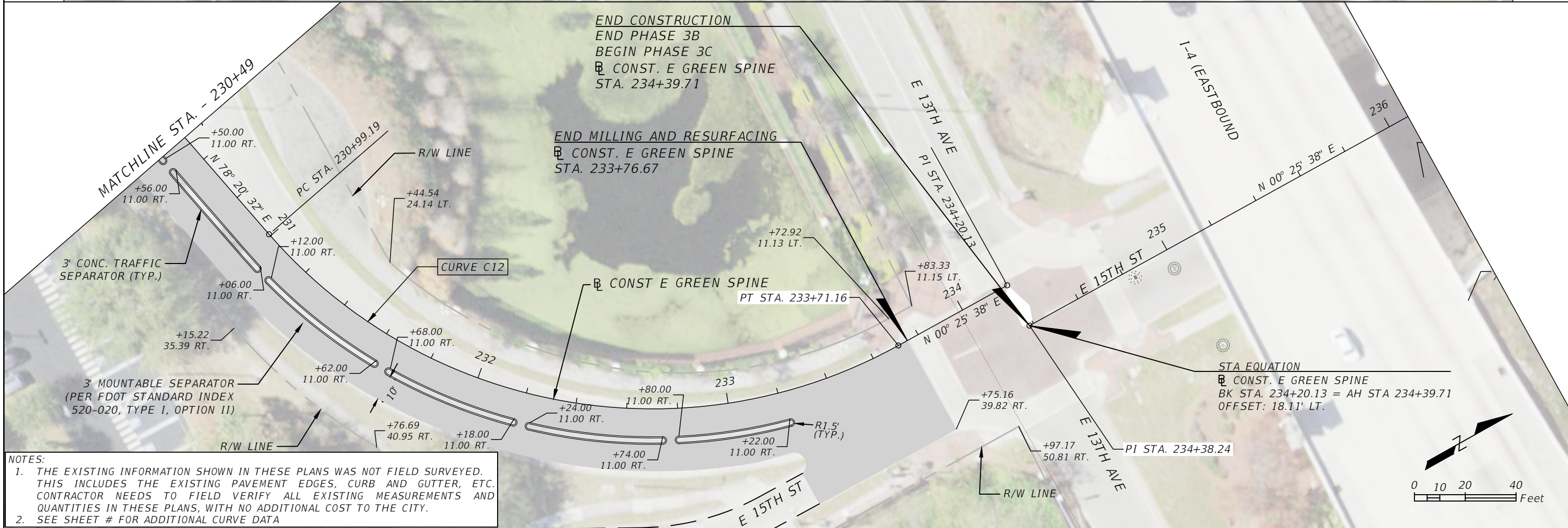
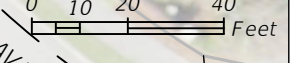
SHEET NO.
9

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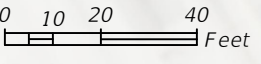
LEGEND:  
 MILLING AND RESURFACING



END CONSTRUCTION  
 END PHASE 3B  
 BEGIN PHASE 3C  
 CONST. E GREEN SPINE  
 STA. 234+39.71

END MILLING AND RESURFACING  
 CONST. E GREEN SPINE  
 STA. 233+76.67

STA EQUATION  
 CONST. E GREEN SPINE  
 BK STA. 234+20.13 = AH STA 234+39.71  
 OFFSET: 18.11' LT.



NOTES:  
 1. THE EXISTING INFORMATION SHOWN IN THESE PLANS WAS NOT FIELD SURVEYED. THIS INCLUDES THE EXISTING PAVEMENT EDGES, CURB AND GUTTER, ETC. CONTRACTOR NEEDS TO FIELD VERIFY ALL EXISTING MEASUREMENTS AND QUANTITIES IN THESE PLANS, WITH NO ADDITIONAL COST TO THE CITY.  
 2. SEE SHEET # FOR ADDITIONAL CURVE DATA

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

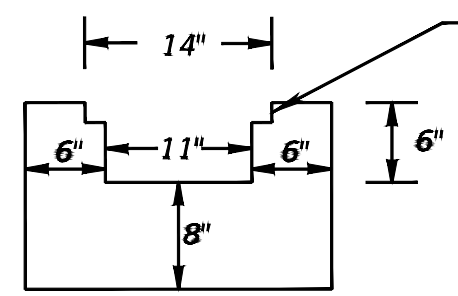
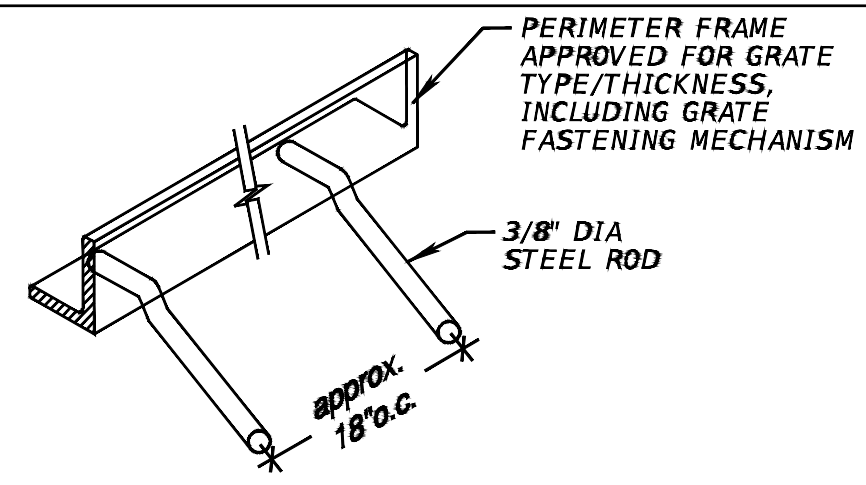
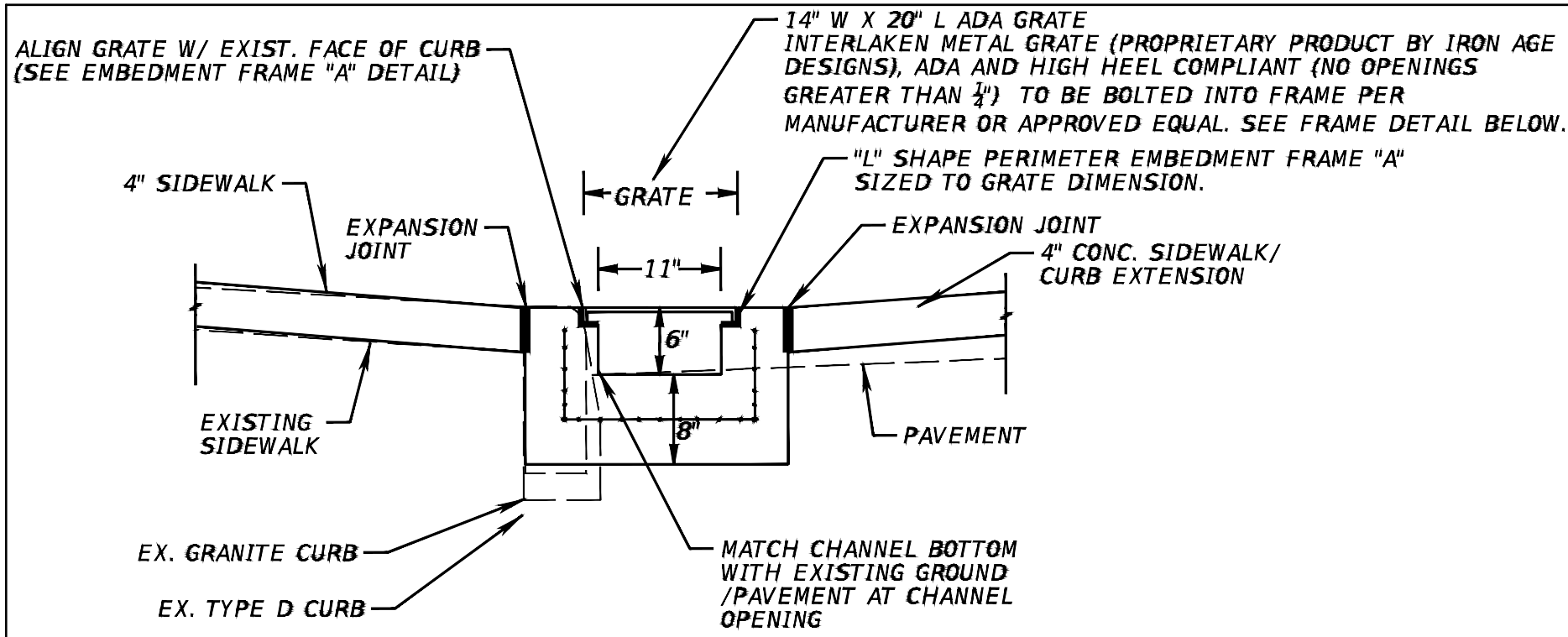
KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

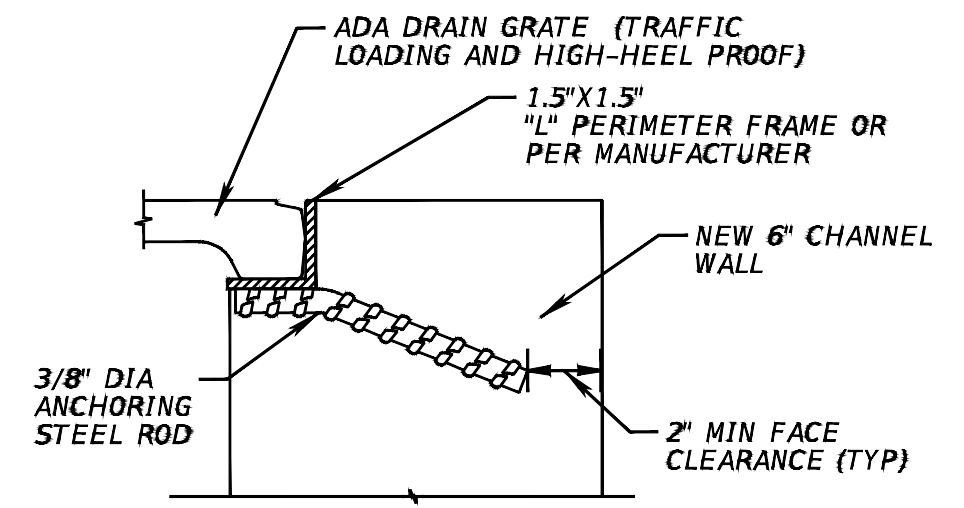
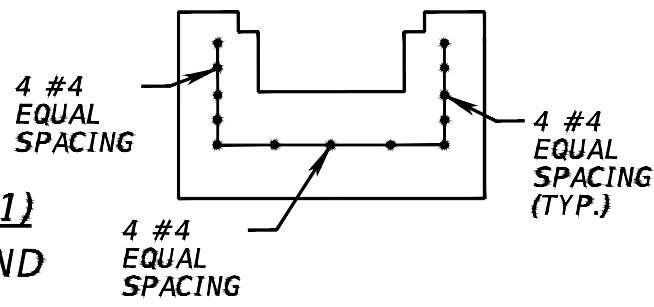
ROADWAY PLANS - ( 3 )

SHEET NO.
10

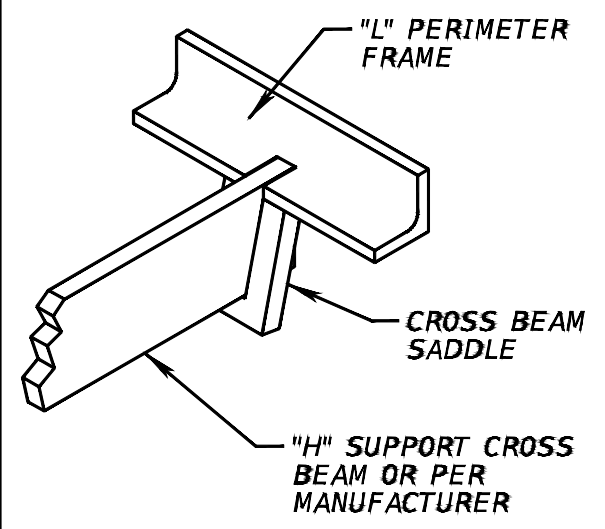
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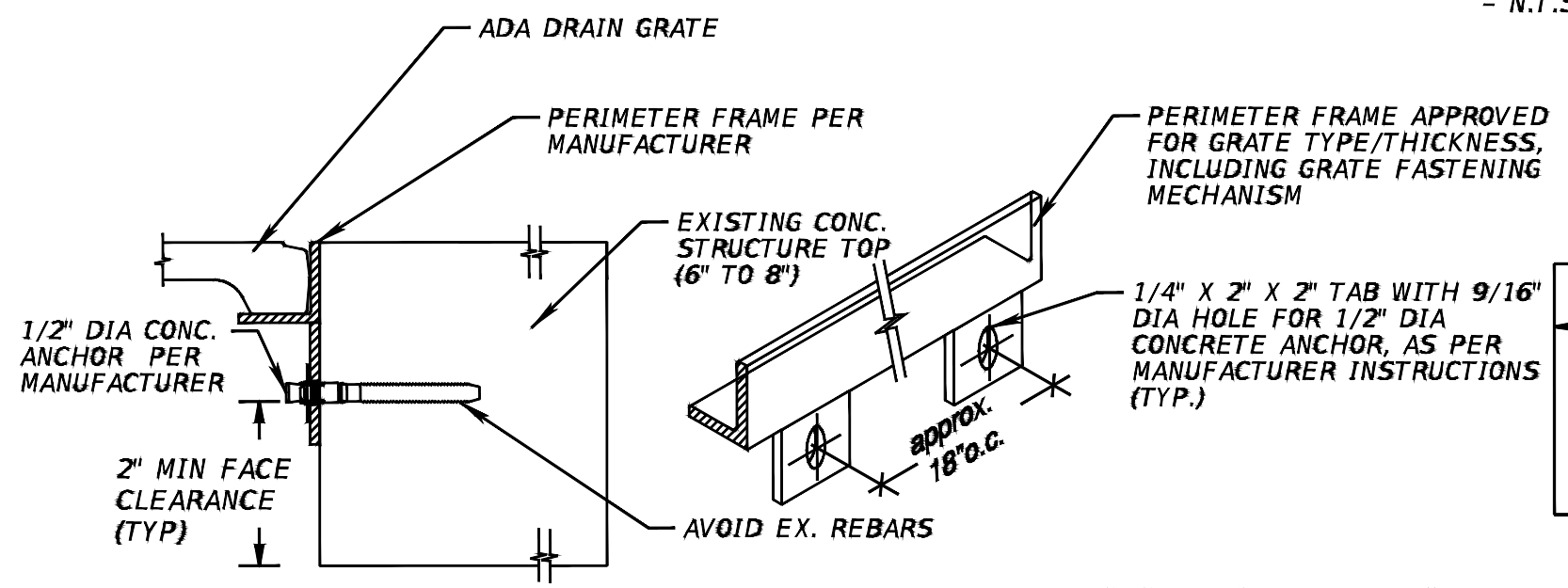
**DRAINAGE CHANNEL DETAIL (1)**  
AT CHANNEL "DAYLIGHTING" END  
- N.T.S. -



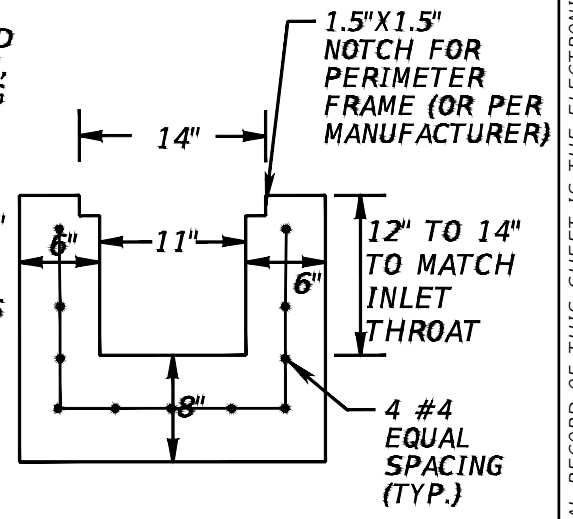
**EMBEDMENT FRAME "A" TO "NEW" CONCRETE**  
- N.T.S. -



**REMOVABLE H-SUPPORT CROSS BEAM**  
- N.T.S. -



**EMBEDMENT FRAME "B" TO "EXISTING" CONCRETE**  
- N.T.S. -



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

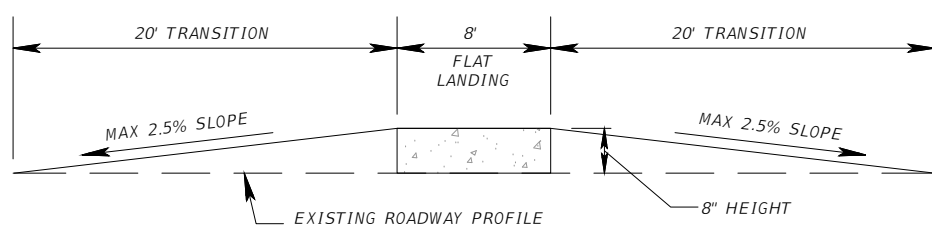
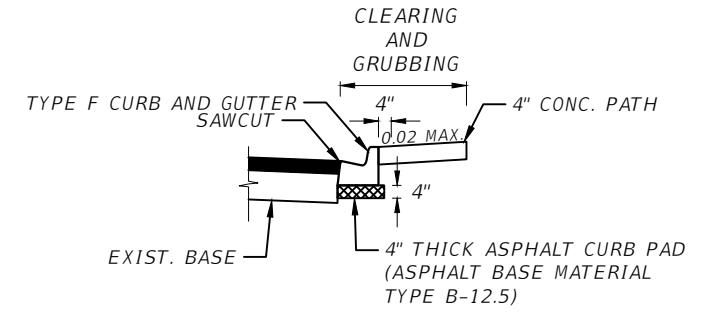
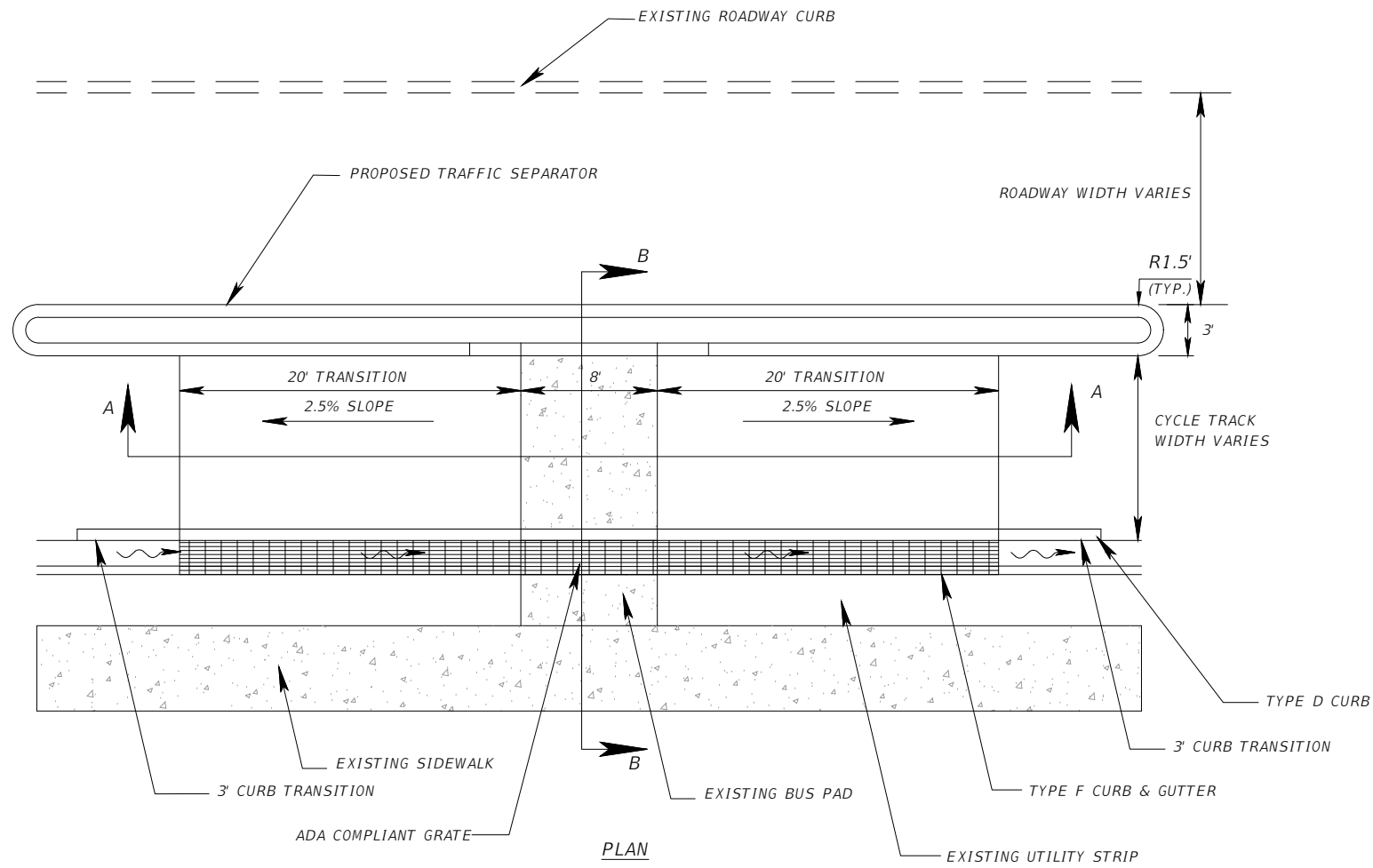
KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602  
ENGINEER OF RECORD:  
CURT SPRUNGER, P.E. NO: 66524

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**DRAINAGE STRUCTURES**

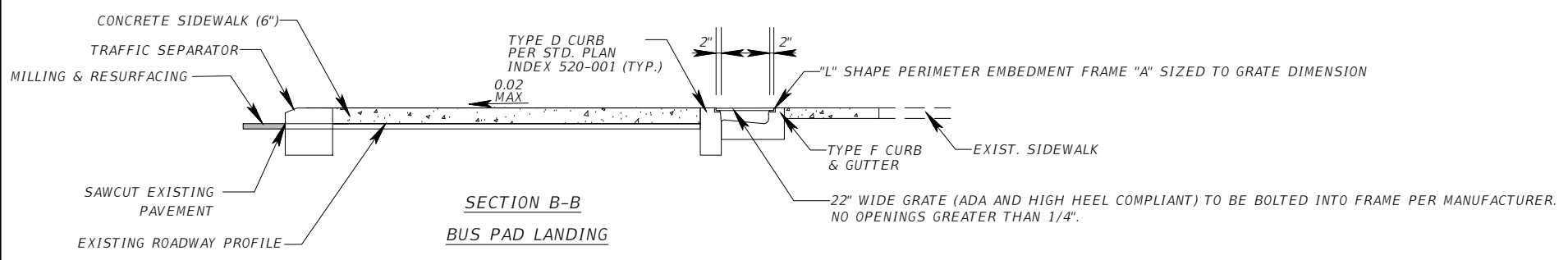
SHEET NO.
11

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BUS Stops	From Sta.	To Sta.	Drainage Channel Length (FT.)
1	211+32.00	211+80.00	48
2	216+87.00	217+32.00	45
3	223+26.00	223+74.00	48

NOTE:  
1. ALL DRAINAGE CHANNELS TO MATCH EXIST. ELEVATIONS UNLESS OTHERWISE NOTED.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602  
ENGINEER OF RECORD:  
FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**SPECIAL DETAILS - (1)**

SHEET NO.
12

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-25.004, F.A.C.





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

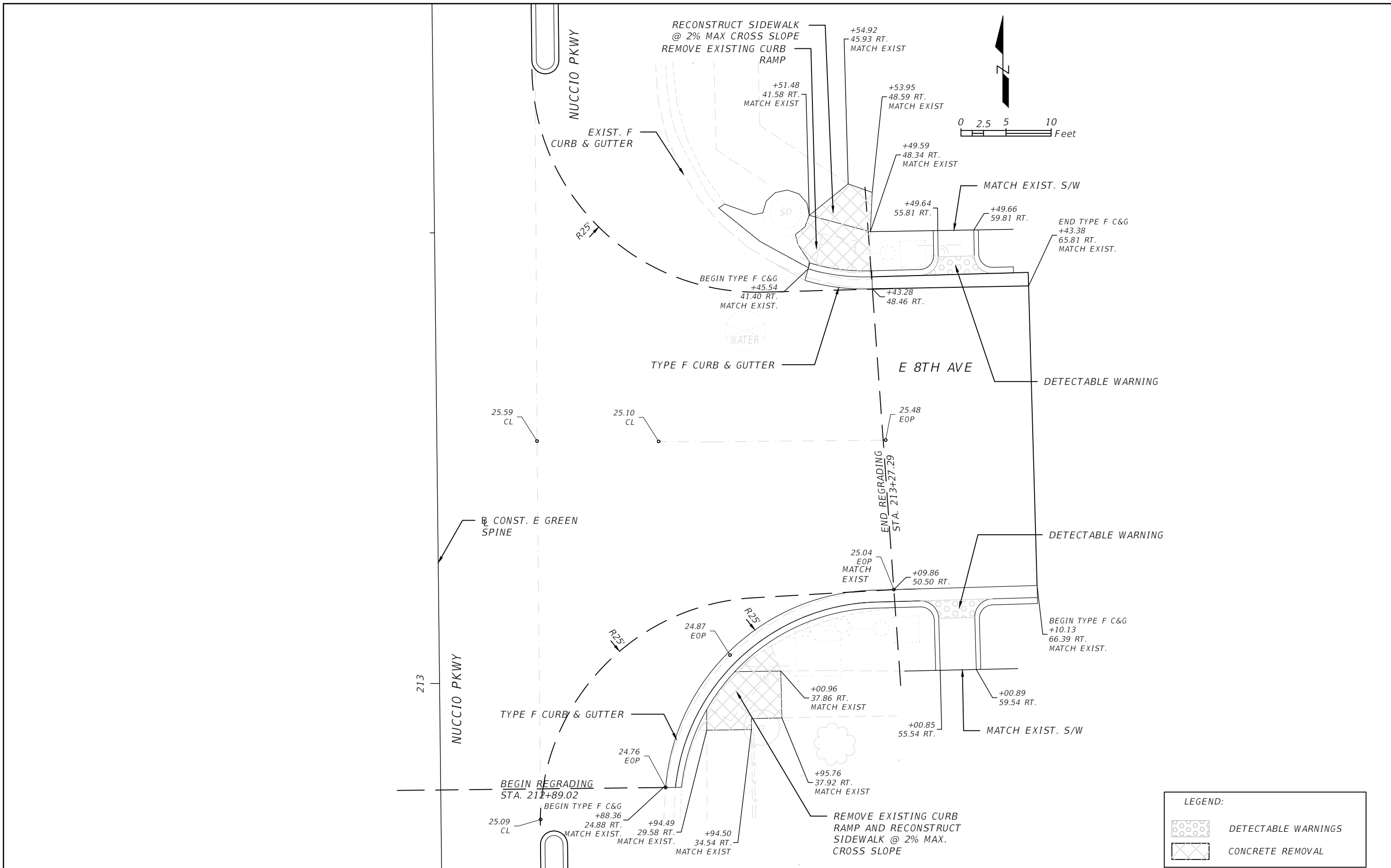
CITY OF TAMPA  
 MOBILITY DEPARTMENT

ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

*SPECIAL DETAILS - (2)*

SHEET NO.  
13

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

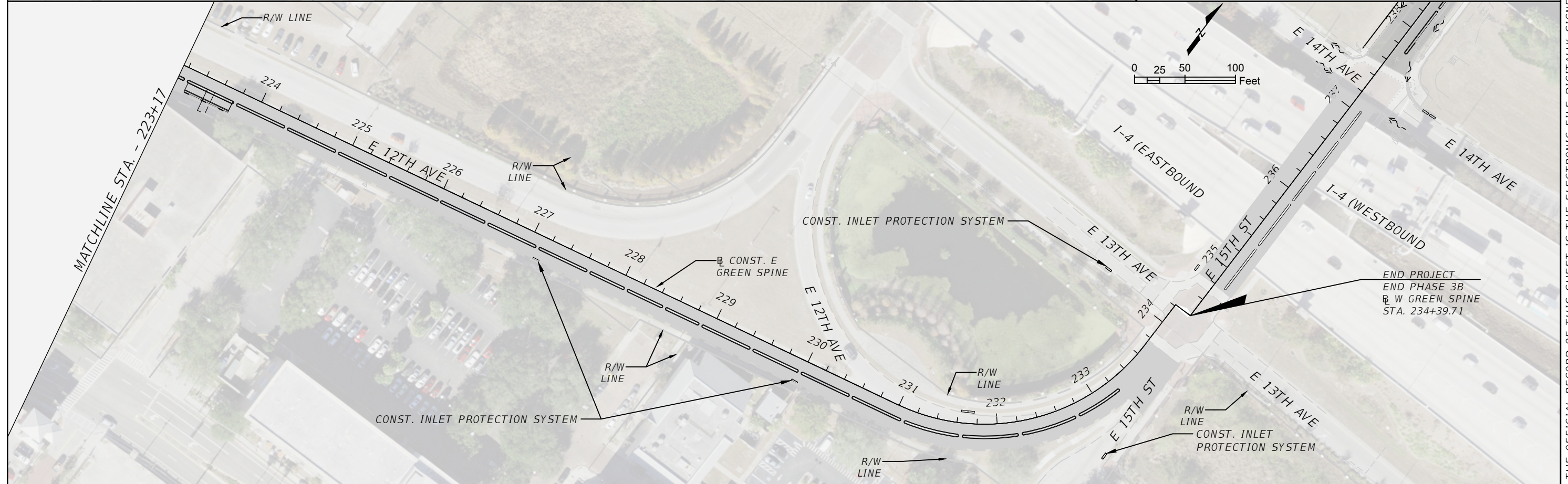
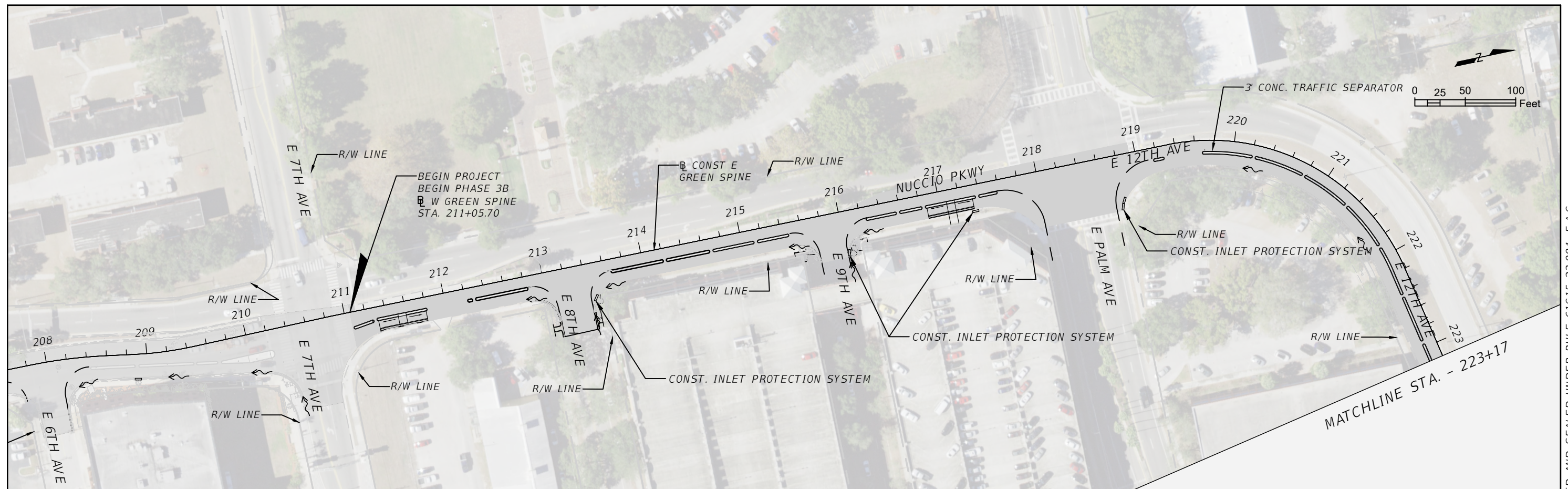
KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**INTERSECTION DETAILS - (1)**

SHEET NO.  
14





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 CURT SPRUNGER, P.E. NO: 66524

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

*EROSION CONTROL PLAN - (1)*

SHEET NO.  
15

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



I. SITE DESCRIPTION

A. CONSTRUCTION ACTIVITY

ACTIVITIES ON THIS PROJECT INCLUDE BUT ARE NOT LIMITED TO CONSTRUCTION OF A BI-DIRECTIONAL CYCLE TRACK ALONG NUCCIO PKWY, INTERSECTION GRADING FROM E 7TH AVENUE TO E 13TH AVENUE.

B. PROJECT LIMITS

THE PROJECT LIMITS ARE ALONG THE SOUTH SIDE OF NUCCIO PKWY FROM E 7TH AVENUE TO E 13TH AVENUE.

C. PROJECT DESCRIPTION

THE CITY WILL CONSTRUCT A NEW BI-DIRECTIONAL CYCLE TRACK WITHIN THE PROJECT LIMITS. EXISTING ROADWAYS WILL BE SHARED WITH THE PROPOSED CYCLE TRACK. THE CYCLE TRACK WILL BE 8 TO 12 FEET WIDE SEPARATED FROM THE ROADWAY BY A TRAFFIC SEPARATOR.

D. MAJOR SOIL DISTURBING ACTIVITIES

CONSTRUCTION OF THE CYCLE TRACK, INTERSECTION GRADING AND STORMSEWER MODIFICATION.

E. TOTAL PROJECT LENGTH: 0.4 MILES

F. SOIL DATA

MAJOR SOIL GROUPS IN THE PROJECT LIMITS INCLUDE:

1. 77.5% URBAN LAND, 0 TO 2 PERCENT SLOPES (56)
2. 11.1% MYAKKA-URBAN LAND COMPLEX (32)
3. 4.9% IMMOKALEE-URBAN LAND COMPLEX (22)
4. 3.4% WATER (99)
5. 3.1% TAVARES-URBAN LAND COMPLEX, 0 TO 5 PERCENT SLOPES (55)

H. DRAINAGE AREA: 4.2 AC

I. RECEIVING WATERS

EXISTING STORMSEWER SYSTEMS (HILLSBOROUGH RIVER AND TAMPA BAY)

J. WETLANDS AREAS

NO WETLAND IMPACTS

II. CONTROLS

ALL CONTROLS SHALL BE CONSISTENT WITH PERFORMANCE STANDARDS FOR EROSION AND SEDIMENT CONTROL AND STORM-WATER TREATMENT SET FORTH IN RULE 62-40.432, F.A.C., THE APPLICABLE STORM-WATER OR ENVIRONMENTAL RESOURCE PERMITTING REQUIREMENTS OF THE DEPARTMENT OR A WATER MANAGEMENT DISTRICT AND THE GUIDELINES CONTAINED IN THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (DEP. 1988) AND ANY SUBSEQUENT AMENDMENTS.

A. SEQUENCE OF MAJOR ACTIVITIES

1. INSTALL INLET PROTECTION AS SHOWN ON THE EROSION AND SEDIMENT (E&S) PLAN AND CONSTRUCTION DRAWING.
2. INSTALL SILT FENCE.
3. STABILIZE, MAINTAIN, AND REPLACE E&S AS DIRECTED BY THE ENGINEER.
4. PERFORM WEEKLY INSPECTION OF E&S AND AFTER EVERY 1/2" RAINFALL.
5. REMOVE ALL SEDIMENTS THAT HAVE MIGRATED OFF SITE AS DIRECTED BY THE ENGINEER.
6. WHEN CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE EROSION PROTECTION DEVICES.

B. EROSION AND SEDIMENT CONTROL CONSTRUCTION ACTIVITIES

THE CONTRACTOR IS REQUIRED TO REVIEW THE SITE SPECIFIC EROSION CONTROL PLAN. THE CONTRACTOR MAY ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS OR SITE CONDITIONS. CONTRACTOR WILL COMPLY WITH E & S PLAN. ANY MODIFICATIONS TO THIS PLAN MUST BE SIGNED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR. THE EROSION CONTROL DEVICES, DETAILS, AND NOTES APPLICABLE TO THESE ACTIVITIES ARE SPECIFIED IN THE PLANS. THE PROJECT ENGINEER IS RESPONSIBLE FOR DETERMINING IF ADDITIONAL CONTROLS ARE THE PROJECT ENGINEER MAY REQUIRE ADDITIONAL CONTROLS TO MEET STANDARDS AND REGULATIONS.

PERFORM DAILY INSPECTION OF EROSION AND SEDIMENT CONTROLS AFTER EVERY 1/2" RAINFALL

REMOVE ALL SEDIMENTS THAT HAVE MIGRATED OFF SITE AS DIRECTED BY THE ENGINEER

C. STABILIZATION PRACTICES

DURING CONSTRUCTION THE CONTRACTOR WILL PROVIDE STABILIZATION FOR AREAS WHICH HAVE BEEN CLEARED AND NOT REWORKED WITHIN FOURTEEN (14) CALENDAR DAYS. THE CONTRACTOR MAY UTILIZE TEMPORARY SEEDING OR TEMPORARY SODDING IN ACCORDANCE WITH SECTION 570 OF THE "FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

- TEMPORARY SODDING
- TEMPORARY GRASSING
- PERMANENT SODDING OR SEEDING
- PRESERVATION OF NATURAL RESOURCES
- BUFFER ZONES

D. STRUCTURAL PRACTICES

- SYNTHETIC BALES (LF)
- ARTIFICIAL COVERINGS/ ROLLED EROSION CONTROL PRODUCTS (SY)
- INLET PROTECTION SYSTEM (EA)
- LITTER REMOVAL AND DISPOSAL (AC)
- MOWING (AC)
- SLOPE DRAINS (TEMPORARY)/ RUNOFF CONTROL STRUCTURES (LF)
- SOIL TRACKING PREVENTION DEVICE (EA)
- SEDIMENT BASINS/CONTAINMENT SYSTEMS (EA)
- SEDIMENT BASIN/ CONTAINMENT SYSTEM CLEANOUT (EA)
- FLOATING TURBIDITY BARRIER (LF)
- STAKED SILT FENCE (LF)
- CHEMICAL TREATMENT - POWDERED (SY)
- CHEMICAL TREATMENT (FLOC LOGS, DRUMS OF PRODUCT) (EA)

E. DESCRIPTION OF STORM WATER MANAGEMENT

WHERE NO PROPOSED STORMWATER SYSTEMS EXIST STORMWATER WILL DISCHARGE INTO EXISTING SYSTEMS AND SWALES. PROPOSED STORMSEWER SHALL BE CONSTRUCTED DURING THE INITIAL PHASE AND BE USED DURING CONSTRUCTION. THE OUTFALL STRUCTURES ARE TO BE PROTECTED WHEN TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS OR PERMANENT STORMWATER MANAGEMENT FACILITIES ARE USED FOR EROSION AND SEDIMENT CONTROL TO PREVENT DOWNSTREAM SEDIMENTATION.

F. SANITARY WASTE

FDOT STANDARD SPEC. FOR ROAD AND BRIDGE CONSTRUCTION" SECTION 7 - 6 "SANITARY PROVISIONS. "THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN A NEAT AND SANITARY CONDITION, SUCH ACCOMMODATION FOR THE USE OF HIS EMPLOYEES AS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE STATE AND LOCAL BOARDS OF HEALTH. COMMIT NO PUBLIC NUISANCE."

G. HAZARDOUS WASTE

THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE CITY IN WRITING IF ANY HAZARDOUS WASTE MATERIAL IS ENCOUNTERED DURING SITE INVESTIGATION OR CONSTRUCTION.

THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR NOTIFYING THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) WITHIN 24 HOURS OF THE DISCOVERY.

ALL HAZARDOUS WASTE MATERIALS, IF ENCOUNTERED, WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND FEDERAL REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

IN CASE OF DISPOSING ANY HAZARDOUS WASTE MATERIAL FOLLOWING LOCAL, STATE, AND FEDERAL REGULATIONS, A COPY OF DISPOSAL MANIFEST HAS TO BE PROVIDED TO THE CITY IN TIMELY FASHION.

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.

NINA MABILLEAU \_\_\_\_\_ DATE  
CITY OF TAMPA TRANSPORTATION AND STORMWATER SERVICES

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

A. WATER QUALITY MONITORING (MIXING ZONES)

THE WATER THAT WILL BE SAMPLED FOR STATE WATER QUALITY STANDARDS FOR CONSTRUCTION ACTIVITIES PROHIBIT A TURBIDITY INCREASE OF GREATER THAN 29 NTU'S ABOVE AMBIENT CONDITIONS AT THE COMPLIANCE LOCATION OF THE MIXING ZONES. TO MAINTAIN THIS STANDARD, TURBIDITY MONITORING SHALL OCCUR DURING ALL IN-WATER CONSTRUCTION ACTIVITIES AT EACH COMPLIANCE AND BACKGROUND STATION. THE FOLLOWING PROCEDURE SHALL BE USED:

**FREQUENCY:** TWICE A DAY, AT LEAST 4 HOURS APART DURING FREQUENCY OF ACTUAL CONSTRUCTION OPERATIONS.

**LOCATIONS:** ALL STATIONS SHALL BE SAMPLED AT 2 FEET ABOVE LOCATIONS THE BOTTOM, AT MID-DEPTH, AND AT THE SURFACE, OR AS DIRECTED BY PERMITTING AGENCIES. IF WATER IS LESS THAN THREE FEET DEEP, ONLY MID-DEPTH SAMPLES ARE REQUIRED.

**BACKGROUND:** 500 FEET UP-CURRENT FROM THE CONSTRUCTION BACKGROUND ACTIVITY AND OUTSIDE OF ANY TURBIDITY PLUME FROM THE CONSTRUCTION ACTIVITY.

**COMPLIANCE:** 300 FEET DOWN CURRENT FROM THE CONSTRUCTION COMPLIANCE ACTIVITY WITHIN ANY VISIBLE TURBIDITY PLUME, OR AS DIRECTED BY PERMITTING AGENCIES.

**METHOD:** ALL SAMPLES SHALL BE COLLECTED WITH A KEMMERER, VAN DORN METHOD, OR SIMILAR SAMPLER WHICH IS DESIGNED TO COLLECT IN SITU WATER SAMPLES.

**REPORTING:** ALL MONITORING DATA SHALL BE SUBMITTED WITHIN ONE REPORTING WEEK OF ANALYSIS WITH DOCUMENTS CONTAINING THE FOLLOWING INFORMATION:

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: CURT SPRUNGER, P.E. NO: 66524	CITY OF TAMPA MOBILITY DEPARTMENT			STORMWATER POLLUTION PREVENTION PLAN (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
						HILLSBOROUGH	21-C-00022		

1. PERMIT NUMBER
2. DATES OF SAMPLING AND ANALYSIS
3. LOCATION OF SAMPLE (I.E., STATION AND WATER COLUMN LOCATION)
4. A STATEMENT DESCRIBING THE METHODS USED IN COLLECTION, HANDLING, STORAGE, AND ANALYSIS OF THE SAMPLES
5. A MAP INDICATING THE SAMPLING LOCATIONS
6. STATEMENT, BY THE INDIVIDUAL RESPONSIBLE FOR IMPLEMENTATION OF THE SAMPLING PROGRAM, CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF DATA.

MONITORING REPORTS SHALL INCLUDE INFORMATION ON THE GENERAL ANTECEDENT WEATHER CONDITIONS.

IF MONITORING REVEALS VIOLATIONS OF THE STATE WATER QUALITY STANDARD FOR TURBIDITY, CONSTRUCTION ACTIVITIES SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TURBIDITY HAS RETURNED TO ACCEPTABLE LEVELS. ANY SUCH OCCURRENCE SHALL ALSO BE IMMEDIATELY REPORTED TO THE REGULATORY AGENCIES. IN THE EVENT THAT STATE WATER QUALITY STANDARDS ARE NOT ATTAINED, THE CONTRACTOR SHALL IMPLEMENT A CONTINGENCY PLAN WHICH COMPLIES WITH THE PROJECT SWFWMD/FDEP ERP AND CITY OF TAMPA NPDES REQUIREMENTS AT NO ADDITIONAL COST TO THE COUNTY. ANY FINES SHALL BE RESPONSIBILITY OF THE CONTRACTORS.

K. APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS

SWFWMD PERMIT EXEMPTION, FILE NUMBER 785609.

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 RAIN FALL. 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)
- UNCONTAMINATED GROUNDWATER FROM DE-WATERING ACTIVITIES

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 EXTEND OF THE CONTAMINATION.

PERMITEE 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.

\_\_\_\_\_  
NINA MABILLEAU, E.I. DATE  
CITY OF TAMPA TRANSPORTATION AND STORMWATER SERVICES

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

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: CURT SPRUNGER, P.E. NO: 66524	CITY OF TAMPA MOBILITY DEPARTMENT			STORMWATER POLLUTION PREVENTION PLAN (2)	SHEET NO.  17
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
					HILLSBOROUGH	21-C-00022			

**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 I OR II 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 CITY OF TAMPA PARKING DIVISION SHALL BE NOTIFIED A MINIMUM OF 7 DAYS IN ADVANCE OF ANY PARKING SPACE CLOSURE. PHONE: (813) 274-8179
9. 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
10. THE UNIVERSITY OF TAMPA SENIOR PROJECT MANAGER FOR DESIGN AND CONSTRUCTION SERVICES SHALL BE CONTACTED FOR CONSTRUCTION COORDINATION OF THE UNIVERSITY OF TAMPA ACCESS POINTS.
11. PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (PCMS) SHALL BE PLACED 500 FT. IN ADVANCE OF THE WORK ZONE FOR A PERIOD OF SEVEN DAYS PRIOR TO THE FIRST DAY OF ROADWAY CONSTRUCTION. MESSAGES SHOULD READ:

MESSAGE 1 NUCCIO PKWY CONST	MESSAGE 2 BEGINS "BEGIN DATE"
MESSAGE 1 E 12TH AVE CONST	MESSAGE 2 BEGINS "BEGIN DATE"
MESSAGE 1 N 15TH ST CONST	MESSAGE 2 BEGINS "BEGIN DATE"

TWO WEEKS PRIOR TO WEEKEND LANE CLOSURES, THE MESSAGE FOR THE PCMS SHALL READ (UNLESS OTHERWISE DIRECTED BY THE ENGINEER):

MESSAGE 1 WEEKEND LANE CLOSURE	MESSAGE 2 FRI PM TO MON AM
---	-------------------------------------

**PHASE I NOTES:**

THE INTENT OF THIS PHASE IS TO CONSTRUCT DRAINAGE, SIGNALIZATION AND ROADSIDE IMPROVEMENTS ALONG NUCCIO PKWY AND E 15TH ST

1. PLACE ADVANCE WARNING TRAFFIC CONTROL DEVICES AS SHOWN IN THE ADVANCED WARNING LAYOUT DETAIL AND AS SHOWN IN STANDARD PLANS FOR ROAD CONSTRUCTION (102 SERIES).
2. USE STANDARD PLANS 102-613, 102-615, 102-660 TO CONSTRUCT THE PROPOSED DRAINAGE, CURB, SIDEWALK, DRIVEWAYS AND SIGNALIZATION. EXCEPT THE PROPOSED CYCLE TRACK SEPARATOR AND BICYCLE SIGNALS TO BE PLACED ON THE SEPARATOR.

**PHASE II NOTES:**

THE INTENT OF THIS PHASE IS TO MILL AND RESURFACE THE ROADWAY AND CONSTRUCT THE CYCLE TRACK SEPARATOR.

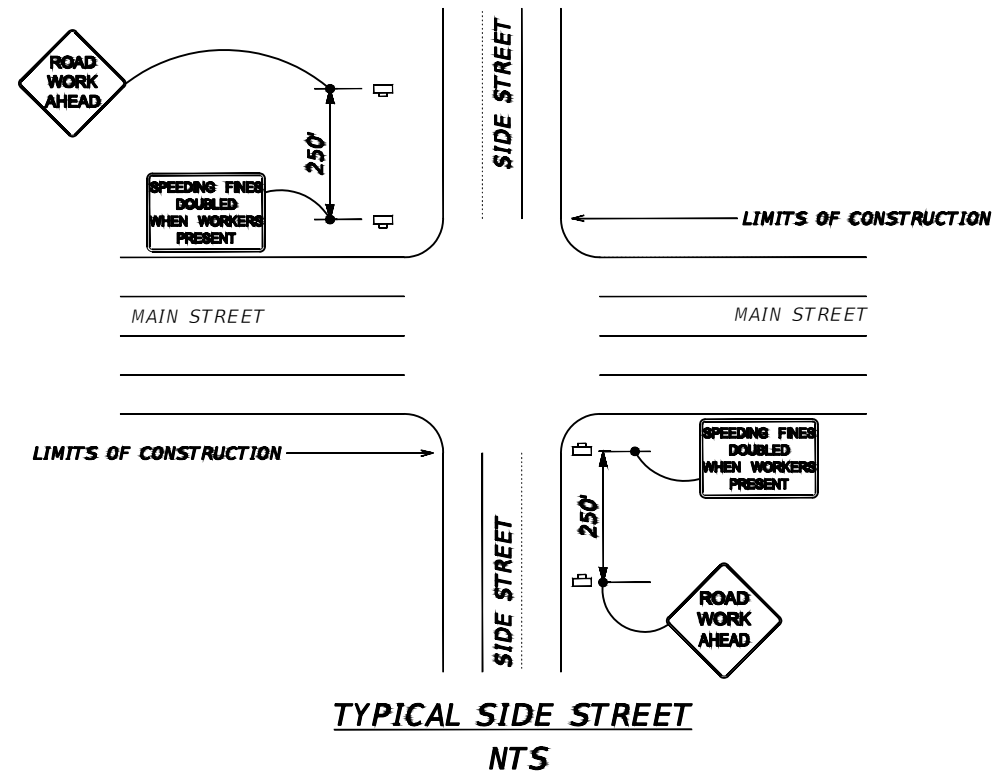
1. USE STANDARD PLANS 102-613, 102-615, 102-620, 102-625 AND 102-628 TO MILL AND RESURFACE THE PAVEMENT BETWEEN THE NORTHERN CURB LINE AND THE NORTHERN EDGE OF THE PROPOSED CYCLE TRACK SEPARATOR. THE PAVING OPERATION SHALL BE PERFORMED PER THE FINAL LANE CONFIGURATION. LEVEL THE JOINTS BETWEEN ALL UNMILLED PAVEMENT AND THE RESURFACED PAVEMENT TO ELIMINATE THE DIFFERENCE IN ELEVATION.
2. PLACE TEMPORARY LANE PAVEMENT MARKINGS IN THE EXISTING CONFIGURATION. PLACE CROSSWALK AND STOP BAR MARKINGS IN THE FINAL CONFIGURATION.  
  
PERFORM THE FOLLOWING WORK IN TWO-BLOCK SEGMENTS AT A TIME:
3. PERMANENTLY CLOSE THE EXISTING OUTSIDE TRAVEL LANE AND ADJACENT PARKING LANE. PLACE TEMPORARY 6" WHITE PAVEMENT MARKINGS ALONG THE NORTHERN EDGE OF THE EXISTING CENTER LANE.
4. USE STANDARD PLANS 102-613, 102-615, 102-620, 102-625 AND 102-628 TO MILL THE PAVEMENT BETWEEN THE SOUTHERN CURB LINE AND THE EDGE OF THE PROPOSED CYCLE TRACK SEPARATOR. LEVEL THE JOINTS BETWEEN ALL UNMILLED PAVEMENT AND THE RESURFACED PAVEMENT TO ELIMINATE THE DIFFERENCE IN ELEVATION.
5. USE STANDARD PLAN 102-613 TO SAWCUT AND REMOVE THE EXISTING PAVEMENT AND ANY BRICK BASE IN THE AREA OF THE CYCLE TRACK SEPARATOR. CONSTRUCT THE PROPOSED SEPARATOR CURB LINE AND PLACE THE PROPOSED BICYCLE SIGNAL HEADS UNTIL THE CYCLE TRACK OPENS.
6. RESURFACE THE MILLED PAVEMENT USING STANDARD PLANS 102-613, 102-615, 102-620 AND 102-625.
7. PLACE TEMPORARY CROSSWALK AND STOPBAR PAVEMENT MARKINGS IN THE FINAL CONFIGURATION.
8. PLACE FINAL PAVEMENT MARKINGS (THERMO).
9. UNCOVER BICYCLE SIGNAL HEADS AND SHIFT BICYCLE TRAFFIC TO CYCLE TRACK.
10. UPON COMPLETION OF ALL OTHER CONSTRUCTION, REMOVE EXISTING PAVEMENT MARKINGS AS CALLED OUT ON PLANS AND INSTALL FINAL PAVEMENT MARKINGS AND SIGNS AND REMOVE TEMPORARY TRAFFIC CONTROL DEVICES.

TWO WEEKS PRIOR TO WEEKDAY LANE CLOSURES, THE MESSAGE FOR THE PCMS SHALL READ (UNLESS OTHERWISE DIRECTED BY THE ENGINEER):

MESSAGE 1 EXPECT LANE CLOSURE
--

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REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			TRAFFIC CONTROL PLAN - (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
						HILLSBOROUGH	21-C-00022		



→ **LANE IDENTIFICATION AND DIRECTION OF TRAFFIC**  
 □ **WORK ZONE SIGN**  
 □ **PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (SEE TTC GENERAL NOTES FOR MORE INFORMATION)**

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

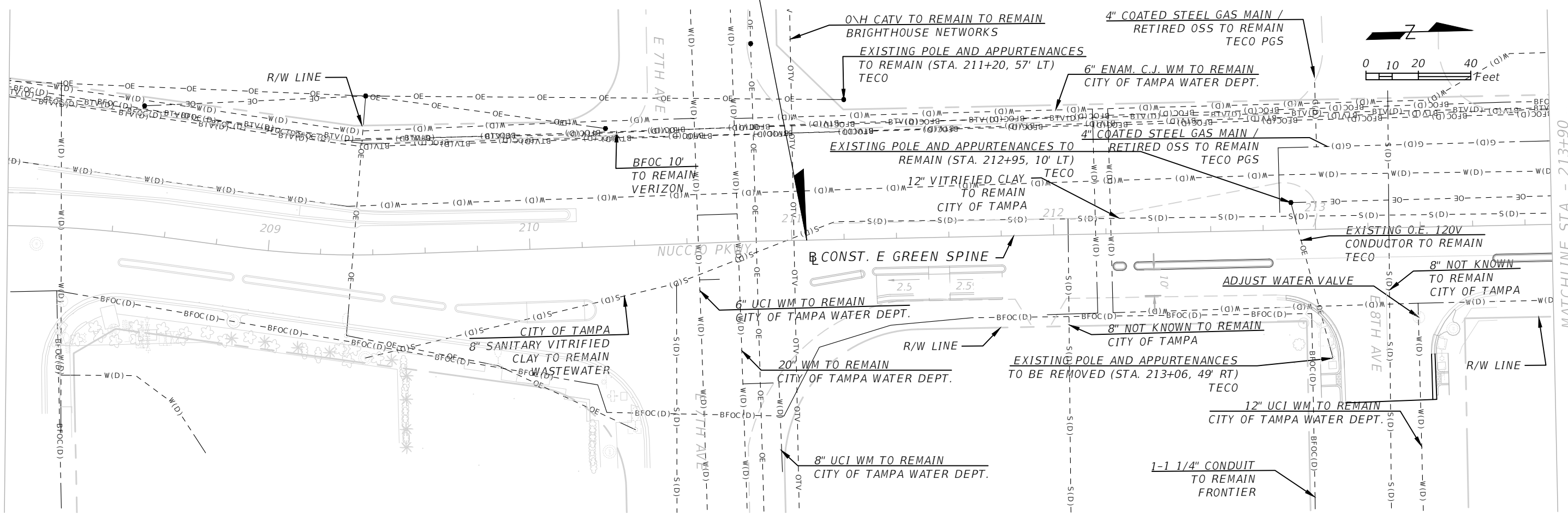
CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**TRAFFIC CONTROL PLAN - (2)**

SHEET NO.
19

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END PHASE 3A  
 MATCH FPID 439475-2-58-01  
 BEGIN PHASE 3B  
 BEGIN MILLING AND RESURFACING  
 E GREEN SPINE  
 STA. 211+05.70



MATCHLINE STA. - 213+90

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

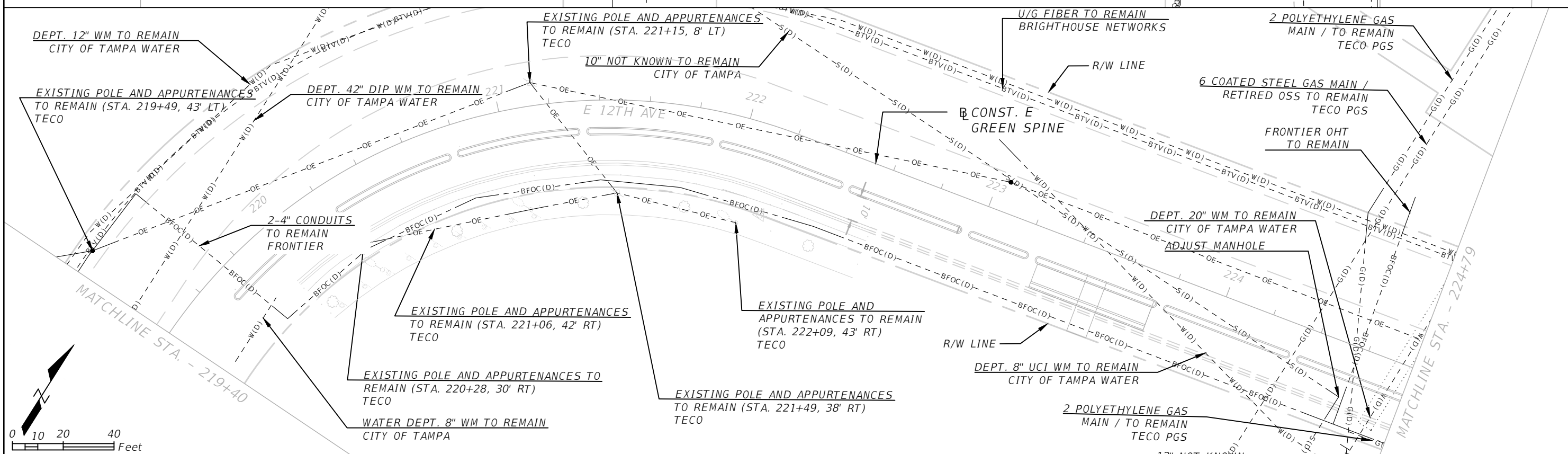
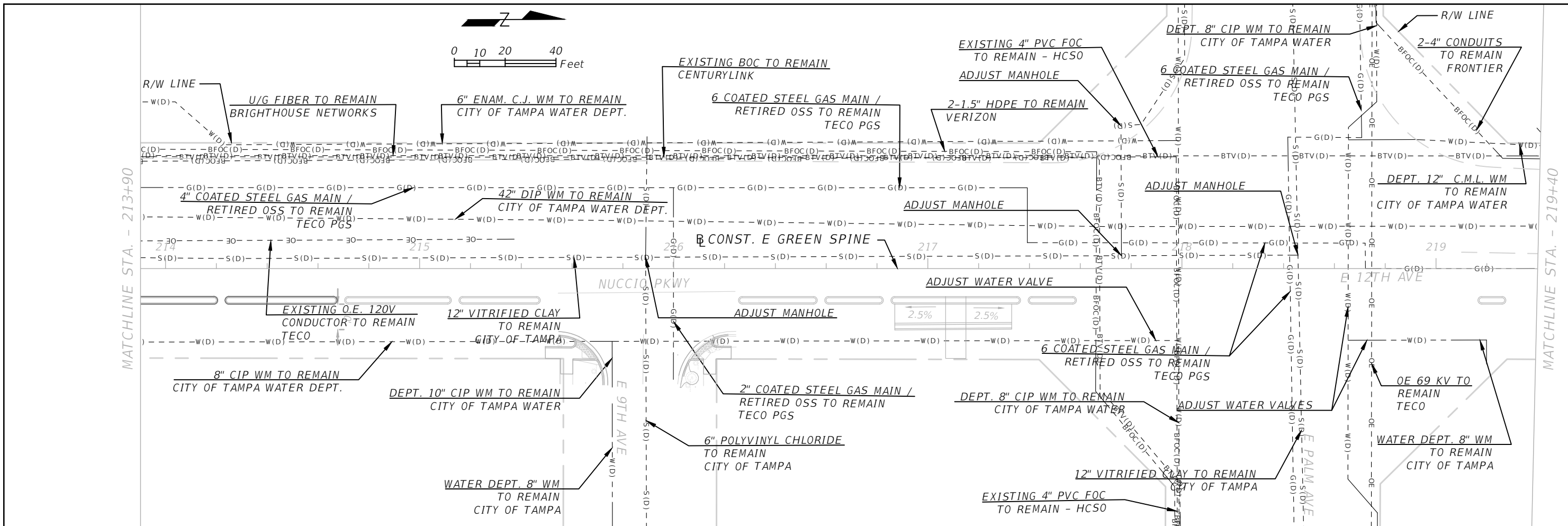
CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

*UTILITY ADJUSTMENT SHEETS -*  
 (1)

SHEET NO.  
 20

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

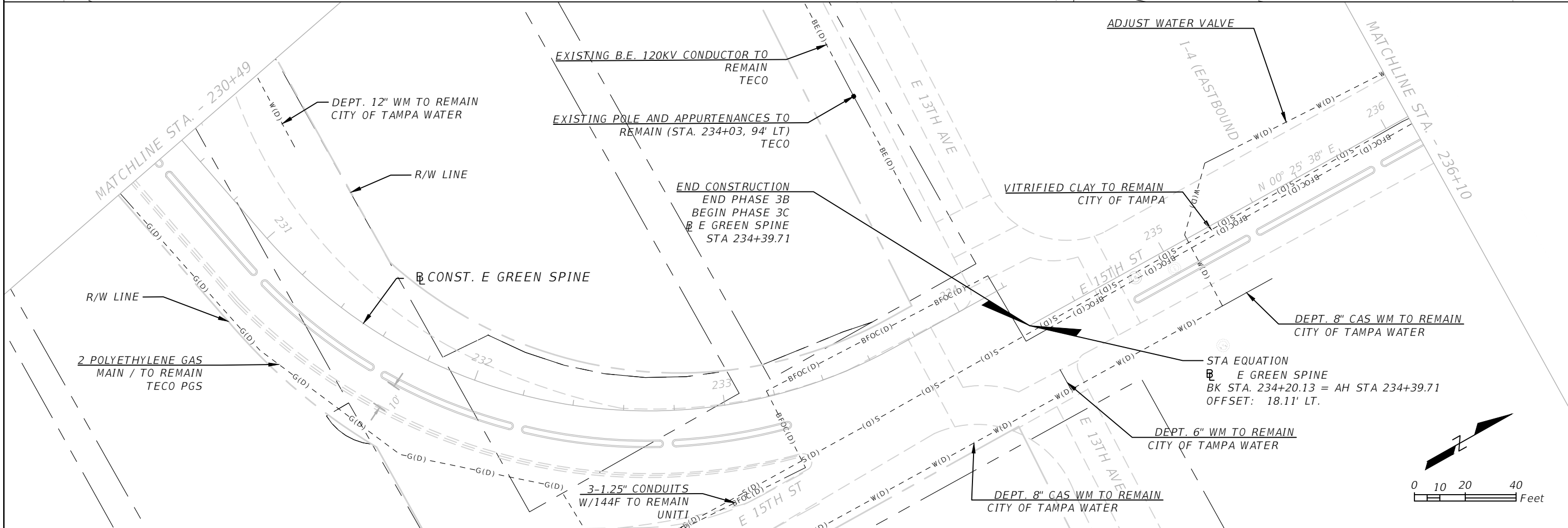
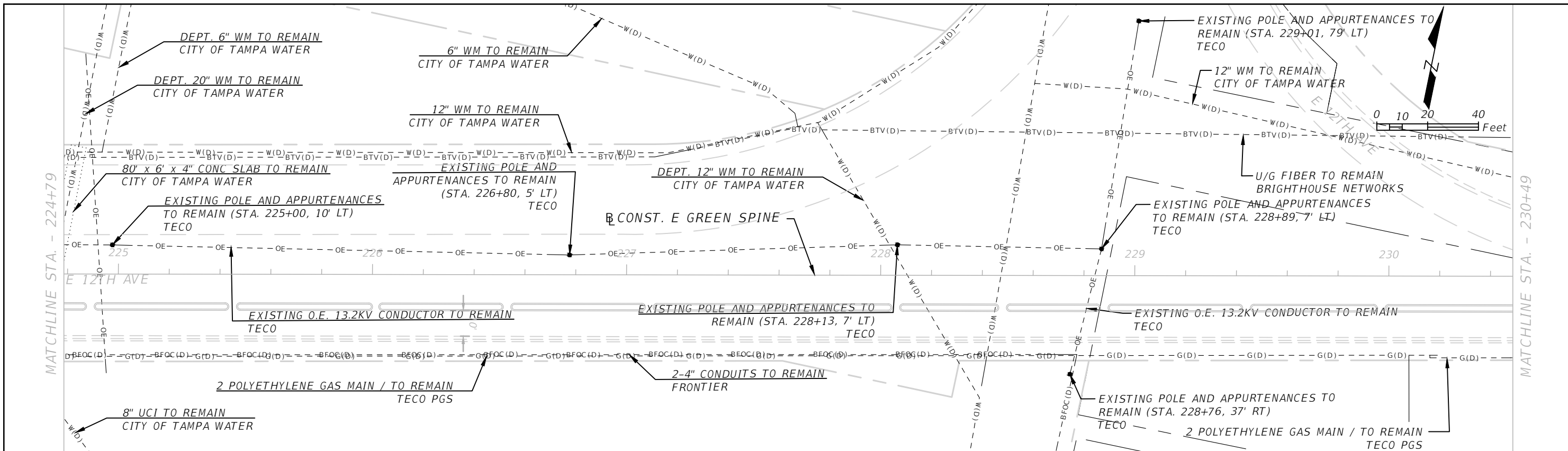
KISINGER CAMPO & ASSOCIATES CORP.  
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CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
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**UTILITY ADJUSTMENT SHEETS -**  
**(2)**

SHEET NO.
21

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REVISIONS			
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CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
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**UTILITY ADJUSTMENT SHEETS -**  
**(3)**

SHEET NO.
22

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			
0102 1	MOBILIZATION OF TRAFFIC	1			
0110 1 1	CLEARING AND GRUBBING	1			

**PAY ITEM NOTES**

- 0526 1A IF THE BRICK PAVERS ARE NOT AVAILABLE FROM THE CITY, THE CONTRACTOR WILL NEED TO PROVIDE A SAMPLE AND HAVE IT APPROVED BY THE CITY BEFORE THEY ARE PURCHASED BY THE CONTRACTOR AND INSTALLED.
- 0527 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).
- 646-1-11 PAINT PEDESTAL, POLE AND BACK OF SIGN ASSEMBLIES BLACK (FEDERAL STANDARD NO. 17038). PAYMENT FOR PAINTING THESE ELEMENTS IS TO BE INCLUDED WITHIN THIS PAY ITEM.
- 700-1-11 PAINT POLE AND BACK OF SIGN ASSEMBLIES BLACK (FEDERAL STANDARD NO. 17038). PAYMENT FOR PAINTING THESE ELEMENTS IS TO BE INCLUDED WITHIN THIS PAY ITEM.
- 700-1-50 PAINT POLE AND BACK OF SIGN ASSEMBLIES BLACK (FEDERAL STANDARD NO. 17038). PAYMENT FOR PAINTING THESE ELEMENTS IS TO BE INCLUDED WITHIN THIS PAY ITEM.

**INDEX OF SUMMARY OF QUANTITIES**

SHEET NO.	SHEET DESCRIPTION
	SUMMARY OF LUMP SUM ITEMS
SQ-2	SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS
	SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES
SQ-3	SUMMARY OF PAVEMENT
SQ-4	SUMMARY OF MISCELLANEOUS DRAINAGE ITEMS
SQ-5,6	SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS
<b>SQ-7</b>	SUMMARY OF SIDEWALK & DETECTABLE WARNINGS
SQ-8	SUMMARY OF UTILITY ADJUSTMENTS
	SUMMARY OF PERFORMANCE TURF

**REVISIONS**

DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
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CITY OF TAMPA  
 MOBILITY DEPARTMENT

ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**SUMMARY OF QUANTITIES**

SHEET NO.

SQ1

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

**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 (AC)	LENGTH (LF)	P	F		
0110 4 10	REMOVAL OF EXIST. CONCRETE				SY			39			
		212+94.49 to 213+00.96	RT.		6					CURB RAMP REMOVAL	
		213+45.54 to 213+54.92	RT.		7					CURB RAMP REMOVAL	
		212+88.39 to 213+10.13	RT.		11					EXIST. TYPE F CURB	
		213+43.38 to 213+45.54	RT.		6					EXIST. TYPE F CURB	
		215+54.75 to 215+75.05	RT.		7					EXIST. TYPE F CURB	
		216+02.01 to 216+10.54	RT.		2					EXIST. TYPE F CURB	

**SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES**

LOCATION		SIDE	ARTIFICIAL COVERINGS		SEDIMENT BARRIER		SOIL TRACKING PREVENTION DEVICE		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.			0104 1		0104 10 3		0104 15		0104 18			
			SY		LF		EA		EA			
P	F		P	F	P	F	P	F	P	F		
213+48.23		RT.							1			
216+02.73		RT.							1			
217+33.78		RT.							1			
218+80.10		RT.							1			
218+77.76		RT.							1			
227+12.86		RT.							1			
229+96.26		RT.							1			
232+81.87		RT.							1			
234+08.86		LT.							1			
231+70.00		LT.							1			
SUB-TOTAL:									10			
TOTAL:									10			

<b>REVISIONS</b>				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<b>SUMMARY OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		SQ2
						HILLSBOROUGH	21-C-00022		

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**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 6	Milling Exist Asph Pavt, 1.5" Avg Depth	211+05.70	to	233+76.67	RT		SY	6604		6604			
0337 7 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	211+05.70	to	233+76.67	RT		TN	555		555		BUS STOPS SLOPED PAVEMENT INCLUDED	

**REVISIONS**

DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA  
 MOBILITY DEPARTMENT

ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**SUMMARY OF QUANTITIES**

SHEET NO.

SQ3

**SUMMARY OF MISCELLANEOUS DRAINAGE ITEMS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA.			P	F	P	F		
435-100-2	INLET SPECIAL DRAINAGE GRATE	211+56.00	RT.	LF	48.0		141			
		217+11.00	RT.	LF	45.0					
		223+50.00	RT.	LF	48.0					

**REVISIONS**

DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA  
 MOBILITY DEPARTMENT

ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**SUMMARY OF QUANTITIES**

SHEET NO.  
 SQ4

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**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		P			F
								TYPE	LENGTH	P	F				
0520 2 4	Concrete Curb & Gutter, Type D	211+29.00	to	211+83.00	RT.	LF	54.0			54.0		199			
		213+01.00	to	213+07.00	RT.	LF	6.0			12.0					
		213+45.55	to	213+50.00	RT.	LF	4.5			8.9					
		215+60.32	to	215+70.09	RT.	LF	9.8			9.8					
		216+05.42	to	216+11.73	RT.	LF	6.3			6.3					
		216+84.00	to	217+38.00	RT.	LF	54.0			54.0					
		223+23.00	to	223+77.00	RT.	LF	54.0			54.0					
0520 1 10	Concrete Curb & Gutter, Type F	211+32.00	to	211+80.00	RT.	LF	48.0			48.0		258			
		212+83.19	to	213+08.13	RT.	LF	25.0			50.0					
		213+45.55	to	213+45.66	RT.	LF	0.1			24.0					
		215+54.75	to	215+74.07	RT.	LF	19.3			31.0					
		216+05.42	to	216+10.54	RT.	LF	5.1			9.0					
		216+87.00	to	217+35.00	RT.	LF	48.0			48.0					
		223+26.00	to	223+74.00	RT.	LF	48.0			48.0					
0520 70	Traffic Separator Concrete - SP-Var. width	211+08.00	to	211+26.00	RT.	SY	7.0			7.0		568.0			
		211+32.00	to	211+80.00	RT.	SY	17.0			17.0					
		212+24.00	to	212+26.00	RT.	SY	1.5			1.5					
		212+32.00	to	212+82.00	RT.	SY	17.5			17.5					
		213+69.00	to	214+19.00	RT.	SY	17.5			17.5					
		214+25.00	to	214+66.00	RT.	SY	14.5			14.5					
		214+72.00	to	215+11.00	RT.	SY	14.0			14.0					
		215+17.00	to	215+46.00	RT.	SY	10.5			10.5					
		216+27.00	to	216+55.00	RT.	SY	10.5			10.5					
		216+61.00	to	216+81.00	RT.	SY	8.0			8.0					
		216+87.00	to	217+35.00	RT.	SY	17.0			17.0					
		217+41.00	to	217+57.00	RT.	SY	6.5			6.5					
		219+18.00	to	219+26.00	RT.	SY	3.5			3.5					
		219+69.00	to	220+19.00	RT.	SY	16.5			16.5					
		220+25.00	to	220+75.00	RT.	SY	16.5			16.5					
		220+81.00	to	221+30.00	RT.	SY	16.5			16.5					
		221+36.00	to	221+86.00	RT.	SY	16.5			16.5					
		221+92.00	to	222+42.00	RT.	SY	17.0			17.0					
222+48.00	to	222+92.00	RT.	SY	16.0			16.0							
222+98.00	to	223+20.00	RT.	SY	8.5			8.5							
223+26.00	to	223+74.00	RT.	SY	17.0			17.0							
223+80.00	to	224+30.00	RT.	SY	17.5			17.5							

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<b>SUMMARY OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
						HILLSBOROUGH	21-C-00022		SQ5

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			SIDE	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.					GROSS LENGTH	DEDUCTIONS		NET LENGTH		P			F
								TYPE	LENGTH	P	F				
0520 70	Traffic Separator Concrete - SP-Var. width	224+36.00	to	224+58.00	RT.	SY	8.0			17.5		568.0			
		224+70.00	to	224+86.00	RT.	SY	6.0			17.5					
		224+92.00	to	225+42.00	RT.	SY	17.5			17.5					
		225+48.00	to	225+98.00	RT.	SY	18.0			18.0					
		226+04.00	to	226+50.00	RT.	SY	16.5			16.5					
		226+56.00	to	227+06.00	RT.	SY	17.5			17.5					
		227+12.00	to	227+62.00	RT.	SY	17.5			17.5					
		227+68.00	to	228+03.00	RT.	SY	12.5			12.5					
		228+09.00	to	228+45.00	RT.	SY	13.0			13.0					
		228+51.00	to	228+85.00	RT.	SY	12.5			12.5					
		228+91.00	to	229+41.00	RT.	SY	17.5			17.5					
		229+47.00	to	229+94.00	RT.	SY	16.5			16.5					
		230+00.00	to	230+50.00	RT.	SY	17.5			17.5					
		230+56.00	to	231+06.00	RT.	SY	18.0			18.0					
		231+12.00	to	231+62.00	RT.	SY	19.0			19.0					
		231+68.00	to	232+18.00	RT.	SY	19.0			19.0					
		232+24.00	to	232+74.00	RT.	SY	19.0			19.0					
		232+80.00	to	233+22.00	RT.	SY	15.5			15.5					

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

<b>REVISIONS</b>				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<b>SUMMARY OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		SQ6
						HILLSBOROUGH	21-C-00022		



**SUMMARY OF SIDEWALK & DETECTABLE WARNINGS**

LOCATION			SIDE	AREA ID	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522	1	0522	2	0527	2		
STA. TO STA.					SY		SY		SF			
					P	F	P	F	P	F		
211+52.00	to	211+60.00	RT.					10.7				
217+07.00	to	217+15.00	RT.					10.7				
223+46.00	to	223+54.00	RT.					10.7				
213+00.84	to	213+07.91	RT.					3.5				
213+45.36	to	213+49.66	RT.					2.2				
215+60.32	to	215+69.61	RT.					3.8				
212+94.50	to	213+00.96	RT.		4.9							
213+51.48	to	213+53.95	RT.		2.4							
215+49.49	to	215+60.32	RT.		8.9							
216+07.45	to	216+22.63	RT.		10.8							
213+00.84	to	213+02.84	RT.						10.3			
213+44.78	to	213+46.78	RT.						10.3			
215+67.61	to	215+69.61	RT.						13.6			
216+07.45	to	216+09.45	RT.						14.8			
SUB-TOTAL :					27.0		42.0		49.0			
TOTAL :					27.0		42.0		49.0			

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<b>REVISIONS</b>				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<b>SUMMARY OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		SQ7
						HILLSBOROUGH	21-C-00022		



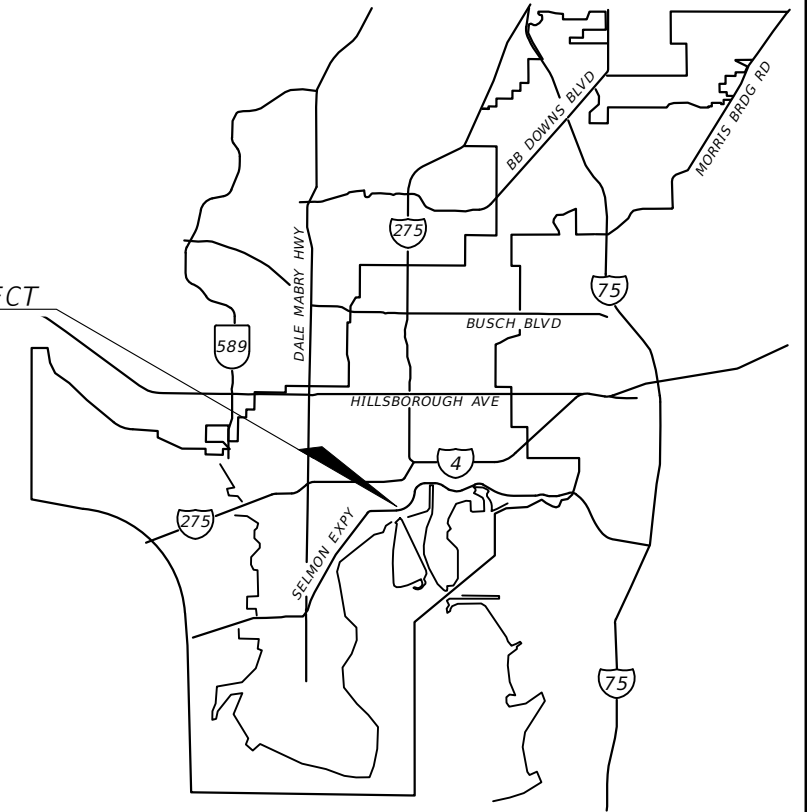
**CITY OF TAMPA  
MOBILITY DEPARTMENT**

**CONTRACT PLANS**

FINANCIAL PROJECT ID 439476-3-58-01  
(FEDERAL FUNDS)

E/W GREEN SPINE CYCLE TRACK -  
PH. 3B FROM 7TH AVE. TO 13TH AVE.

LOCATION OF PROJECT



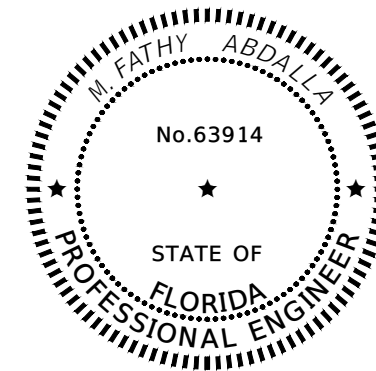
INDEX OF SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	TABULATION OF QUANTITIES
S-3	SIGNING AND PAVEMENT MARKING DETAILS
S-4	GENERAL NOTES
S-5 THRU S-9	SIGNING AND MARKING PLANS

**SIGNING AND PAVEMENT MARKING PLANS**

FINAL SUBMITTAL  
FEBRUARY 2023

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY



ON THE DATE ADJACENT TO THE SEAL

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

KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602

FATHY ABDALLA, P.E. NO. 63914

CITY OF TAMPA PROJECT MANAGER:

NINA S MABILLEAU E.I.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
21-C-00022	2021	S-1

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

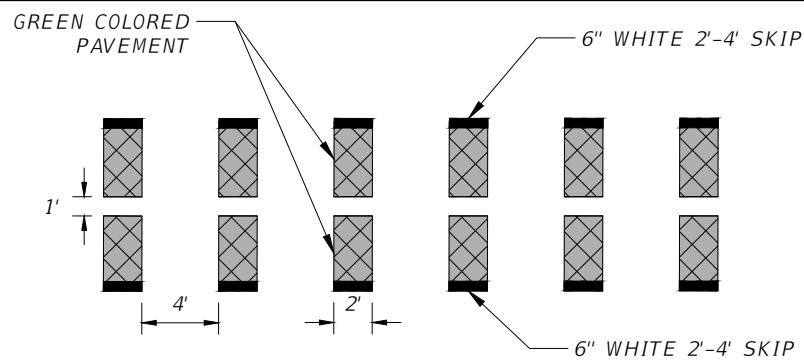
PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL		
			NUCCIO PARKWAY/12th AVE/15th St from 7th AVE to 13th AVE																		
			S-5		S-6		S-7		S-8		S-9						PLAN	FINAL	PLAN	FINAL	
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL					
523-1-3	PATTERNED PAVEMENT, INCLUDING GREEN BIKE LANES	SY	44		84							22						150			
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	1		2							2						5			
700-1-18	SINGLE POST SIGN, F&I GROUND MOUNT, IN-STREET FLEXIBLE POST SIGN	AS	3		4							1						8			
700-1-50	SINGLE POST SIGN, RELOCATE	AS	1															1			
700-1-60	SINGLE POST SIGN, REMOVE	AS										1						1			
705-11-3	DELINEATOR, FLEXIBLE HIGH VISABILITY MEDIAN	EA	5		5							1						11			
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS																			
*	RAISED PAVEMENT MARKER, TYPE B	EA			5							20						25			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.044		0.072		0.087		0.097			0.094						0.394			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM			0.006							0.026						0.032			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	70		410													480			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF										32						32			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	17		405							19						441			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM	0.064		0.113													0.177			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 6-10 SKIP, 6"	GM			0.015													0.015			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	6		10							2						18			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	6		14							3						23			
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.069		0.130		0.087		0.097			0.086						0.469			
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF										32						32			
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SKIP, 6"	GM					0.087		0.097									0.184			
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	18		18							4						40			
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	70		410													480			
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF			30							33						63			
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	17		65							19						101			
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.064		0.128							0.060						0.252			
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA										2						2			
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	6		14							3						23			
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF										32						32			
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF			340													340			
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, SYMBOL (BIKE)	EA	6		10							2						18			
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.044		0.072		0.087		0.097			0.094						0.394			
711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM			0.006							0.026						0.032			
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.069		0.130		0.087		0.097			0.086						0.469			
711-16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6", 10-30 SKIP	GM																			
	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6", 3-9 SKIP	GM	0.025		0.035		0.087		0.097			0.059						0.303			

\* 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.

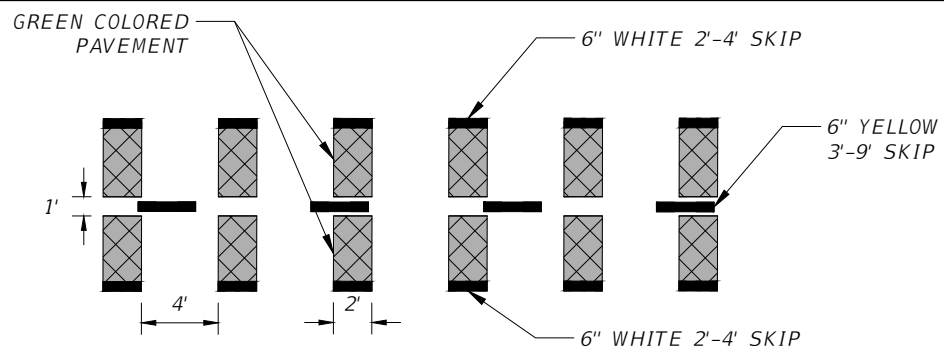
REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  S-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.	
						HILLSBOROUGH	21-C-00022	

TABULATION OF QUANTITIES

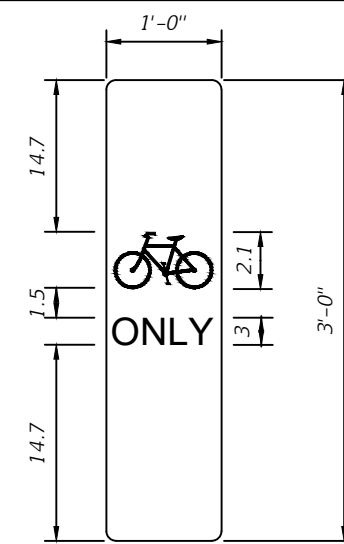
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



TYPICAL INTERSECTION BIKE CROSSING DETAIL  
(PAY ITEM 523-1-3)  
(NTS)



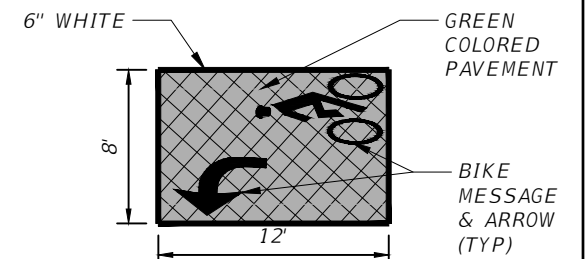
TYPICAL DRIVEWAY BIKE CROSSING DETAIL  
(PAY ITEM 523-1-3)  
(NTS)



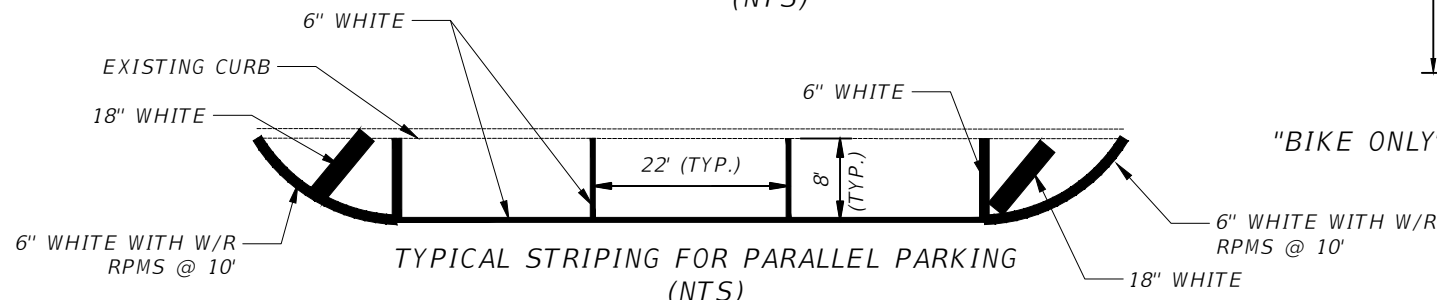
SIGN GM-1  
"BIKE ONLY" SYMBOL SIGN DETAIL  
(NTS)

FABRICATE SPECIAL 12"X36" "BIKE ONLY" SYMBOL SIGN ON REFLECTING SHEETING AND AFFIX IT TO THE REFLECTIVE SHEETING AREA ON THE FACE OF THE FLEXIBLE VERTICAL PANEL. SIGN PANEL SHALL BE WHITE SIGN WITH BLACK LEGEND.

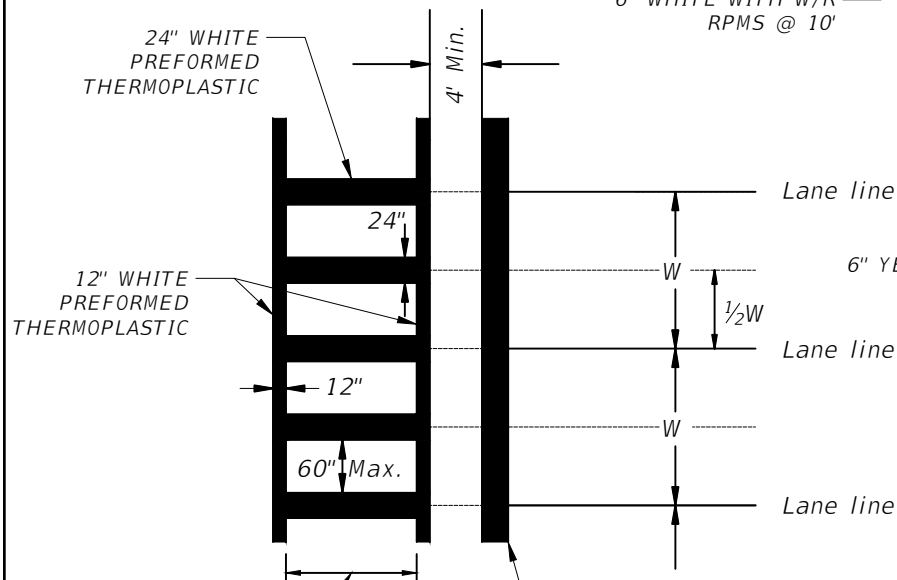
ALL COSTS ASSOCIATED WITH THE FABRICATION AND INSTALLATION OF THIS SIGN AND MOUNTING SHALL BE INCLUDED IN PAY ITEM 700-1-18.



TYPICAL 2-STAGE BIKE BOX DETAIL  
(NTS)

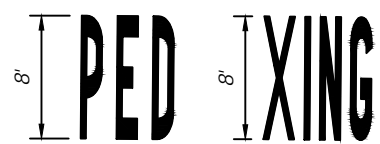


TYPICAL STRIPING FOR PARALLEL PARKING  
(NTS)

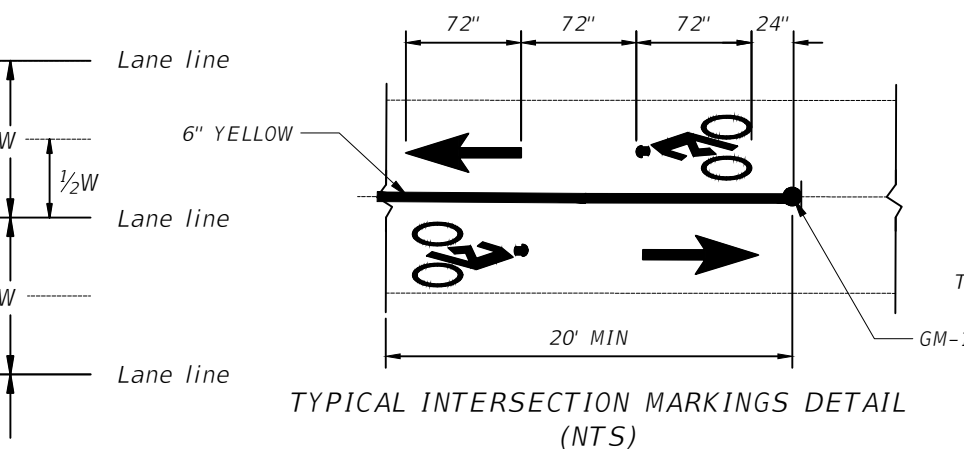


CROSSWALK WIDTH SHALL BE 10' UNLESS OTHERWISE NOTED IN THE PLANS

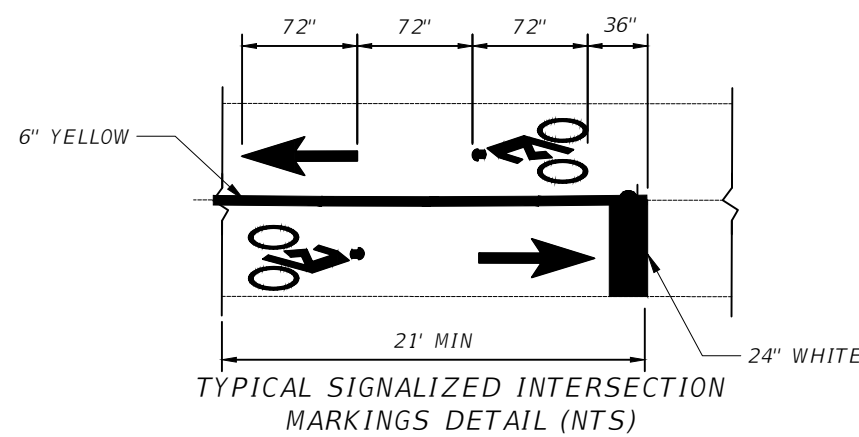
TYPICAL CROSSWALK DETAIL  
(NTS)



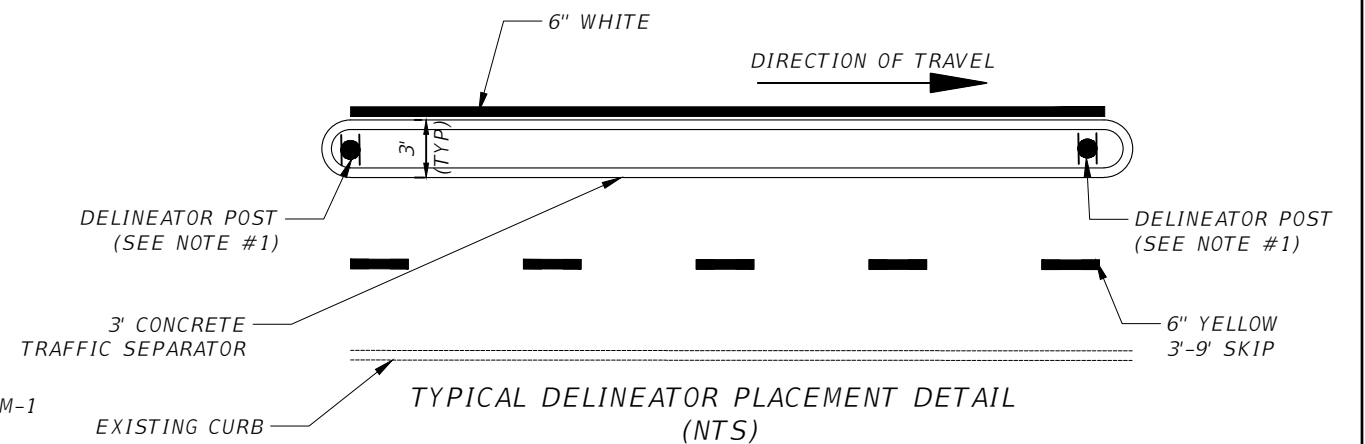
PEDESTRIAN MARKING DETAIL  
(NTS)



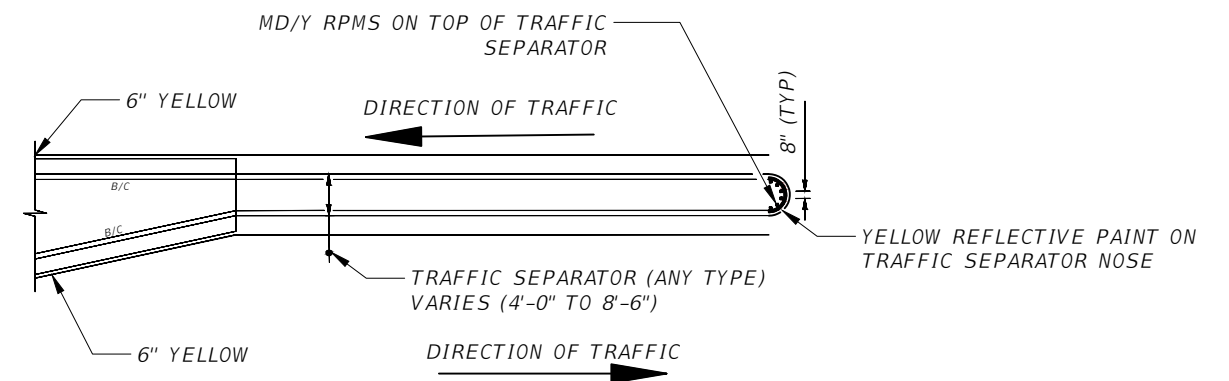
TYPICAL INTERSECTION MARKINGS DETAIL  
(NTS)



TYPICAL SIGNALIZED INTERSECTION MARKINGS DETAIL (NTS)



TYPICAL DELINEATOR PLACEMENT DETAIL  
(NTS)



RPM PLACEMENT AT TRAFFIC SEPARATORS  
DETAIL (NTS)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602  
ENGINEER OF RECORD:  
FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

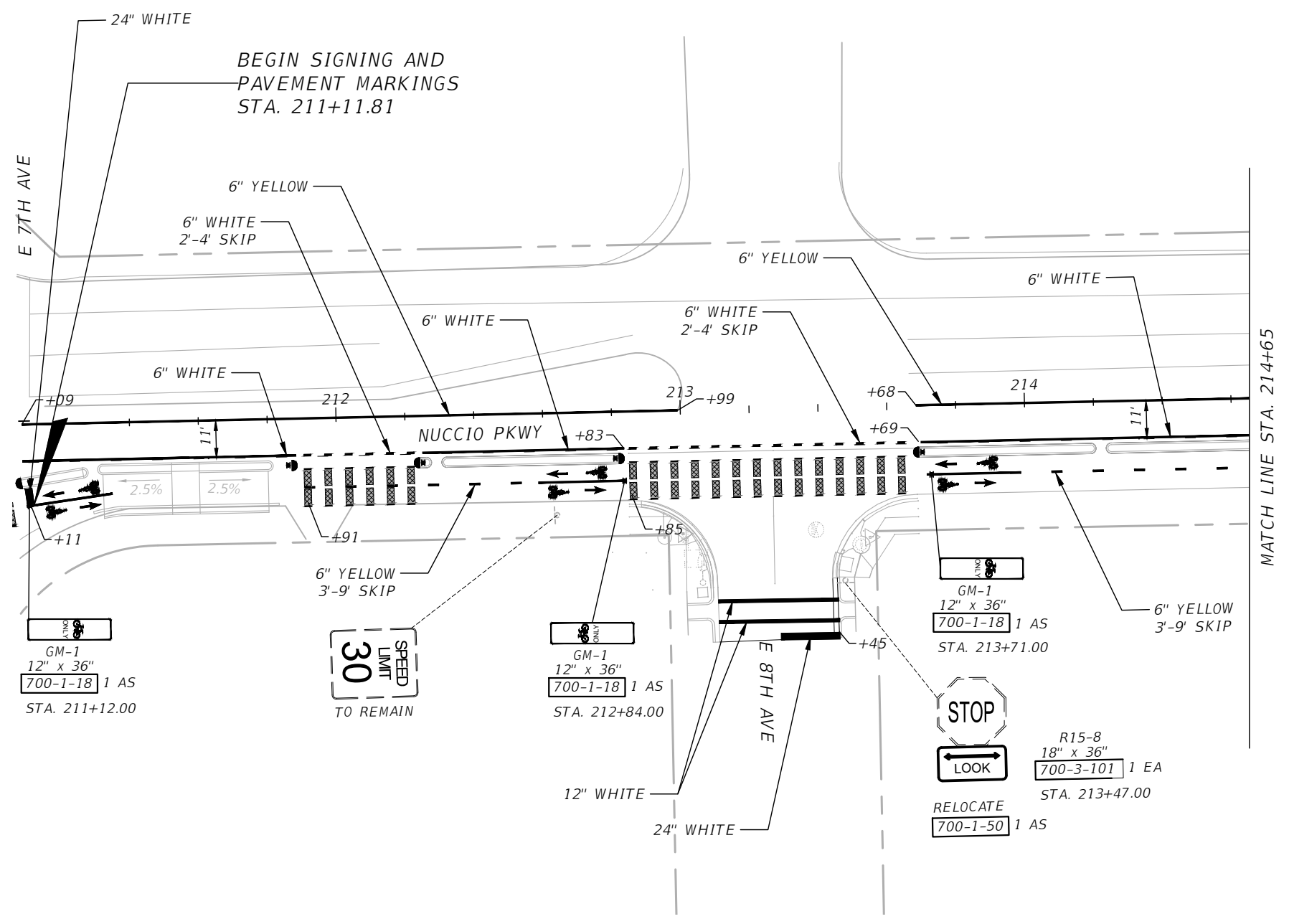
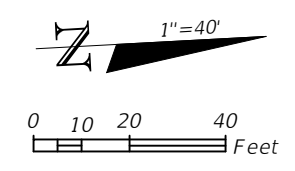
**SIGNING & PAVEMENT MARKING  
DETAILS**

SHEET NO.  
S-3

GENERAL NOTES:

1. USE YELLOW RETRO-REFLECTIVE SHEETING ON BOTH SIDES OF THE DELINEATOR. INSTALL THE POST SO THAT THE TOP IS 4' ABOVE THE GRADE AT THE EDGE OF THE PAVEMENT.
2. ALL PEDESTRIAN/BICYCLE WARNING SHALL BE IN ACCORDANCE WITH THE MUTCD, SECT. 1A-12, COLOR CODE "F"-FLUORESCENT YELLOW-GREEN.
3. PAVEMENT MARKINGS ON ASPHALT PAVEMENT SHALL BE STANDARD THERMOPLASTIC EXCEPT FOR BICYCLE MARKINGS AND SPECIAL EMPHASIS CROSSWALKS. USE PREFORMED THERMOPLASTIC FOR BICYCLE MARKINGS AND SPECIAL EMPHASIS CROSSWALKS.
4. UNLESS OTHERWISE NOTED ON PLAN SHEETS, ALL PROPOSED CROSSWALKS ACROSS MAIN STREETS SHALL BE 10' IN WIDTH AND ALL CROSSWALKS ACROSS SIDE STREETS SHALL BE 6' IN WIDTH. MEASUREMENTS SHALL BE FROM INSIDE TO INSIDE OF 12" STRIPES.
5. PAY ITEM FOOT NOTE 710-90 SHALL INCLUDE ALL PAVEMENT MARKINGS APPLICATIONS NEEDED BEFORE APPLYING THE THERMOPLASTIC APPLICATION.
6. ALL BRICK STREETS AND GRANITE CURBS SHALL BE RETAINED AND PRESERVED IN PLACE.

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.	
					HILLSBOROUGH	21-C-00022	<i>GENERAL NOTES</i>	
							S-4	



NOTE:  
 SEE SHEET S-3 FOR DELINEATOR  
 PLACEMENT DETAIL AND TYPICAL  
 INTERSECTION MARKINGS DETAIL

**705-11-3** 5 EA

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

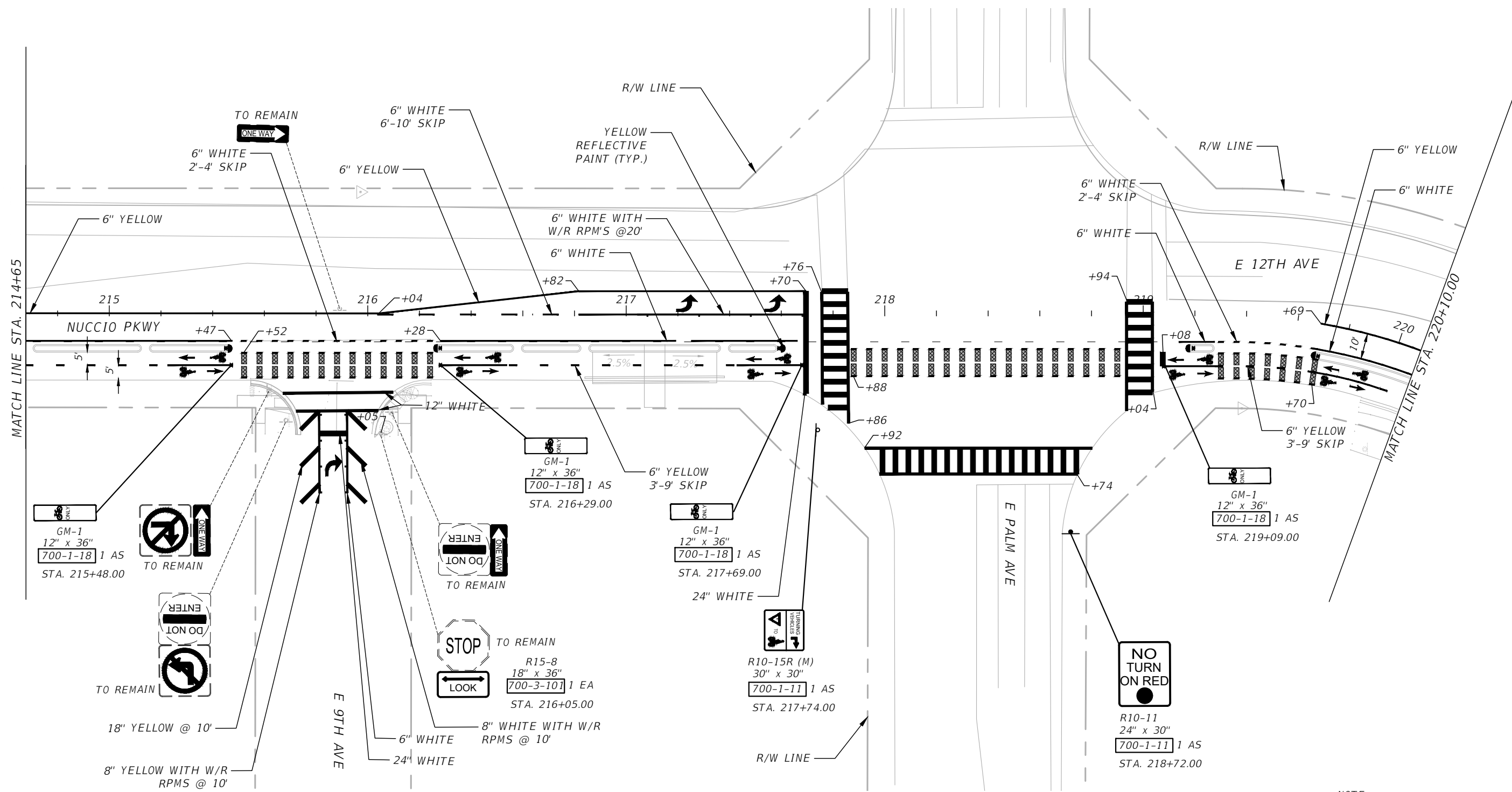
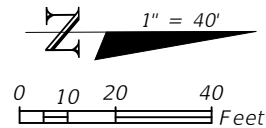
KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**SIGNING AND PAVEMENT  
 MARKING PLAN (1)**

SHEET  
 NO.  
**S-5**

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NOTE:  
SEE SHEET S-3 FOR DELINEATOR  
PLACEMENT DETAIL AND TYPICAL  
INTERSECTION MARKINGS DETAIL

705-11-3 5 EA

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602  
ENGINEER OF RECORD:  
FATHY ABDALLA, P.E. NO: 63914

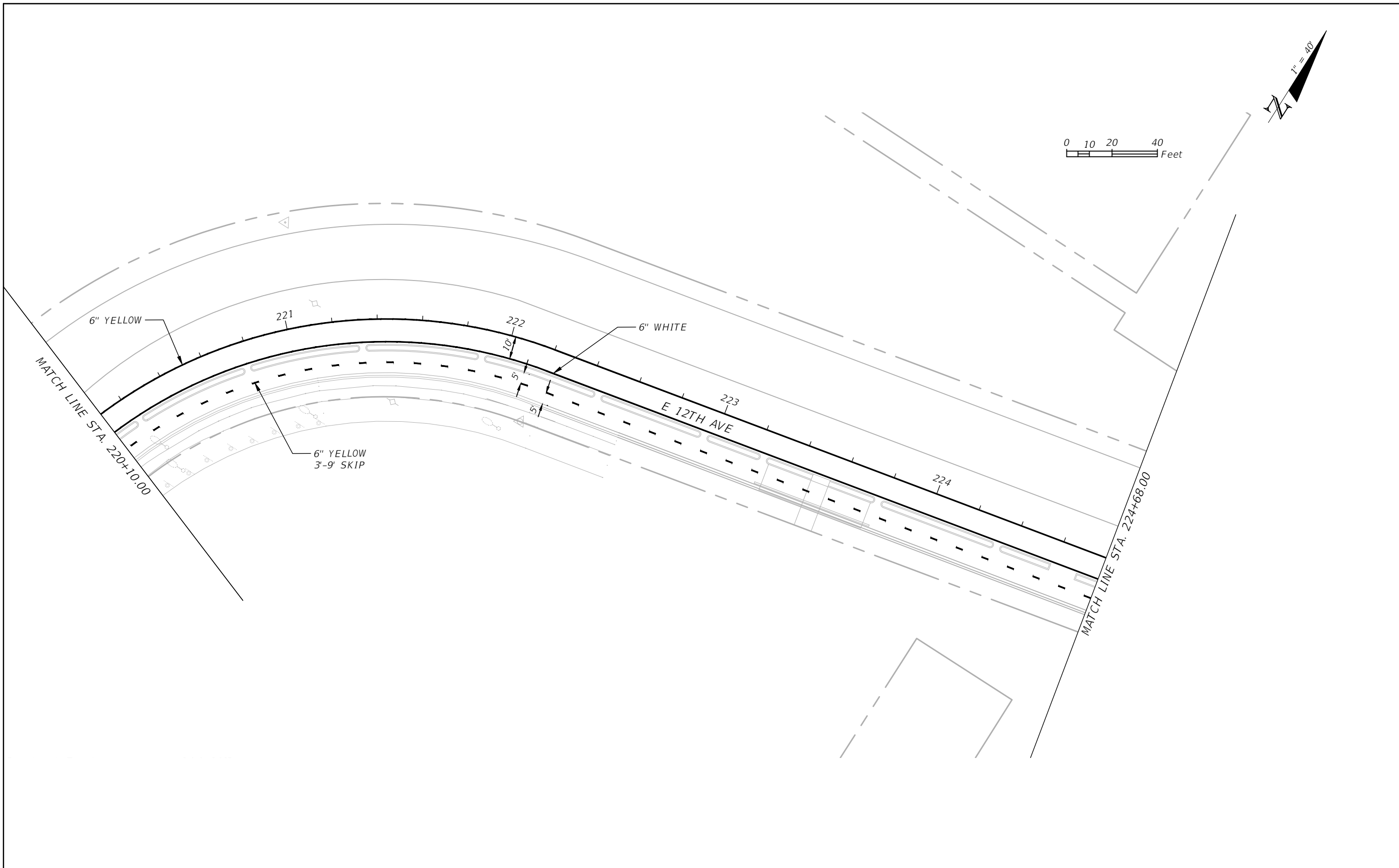
CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**SIGNING AND PAVEMENT  
MARKING PLAN (2)**

SHEET  
NO.  
**S-6**

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





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

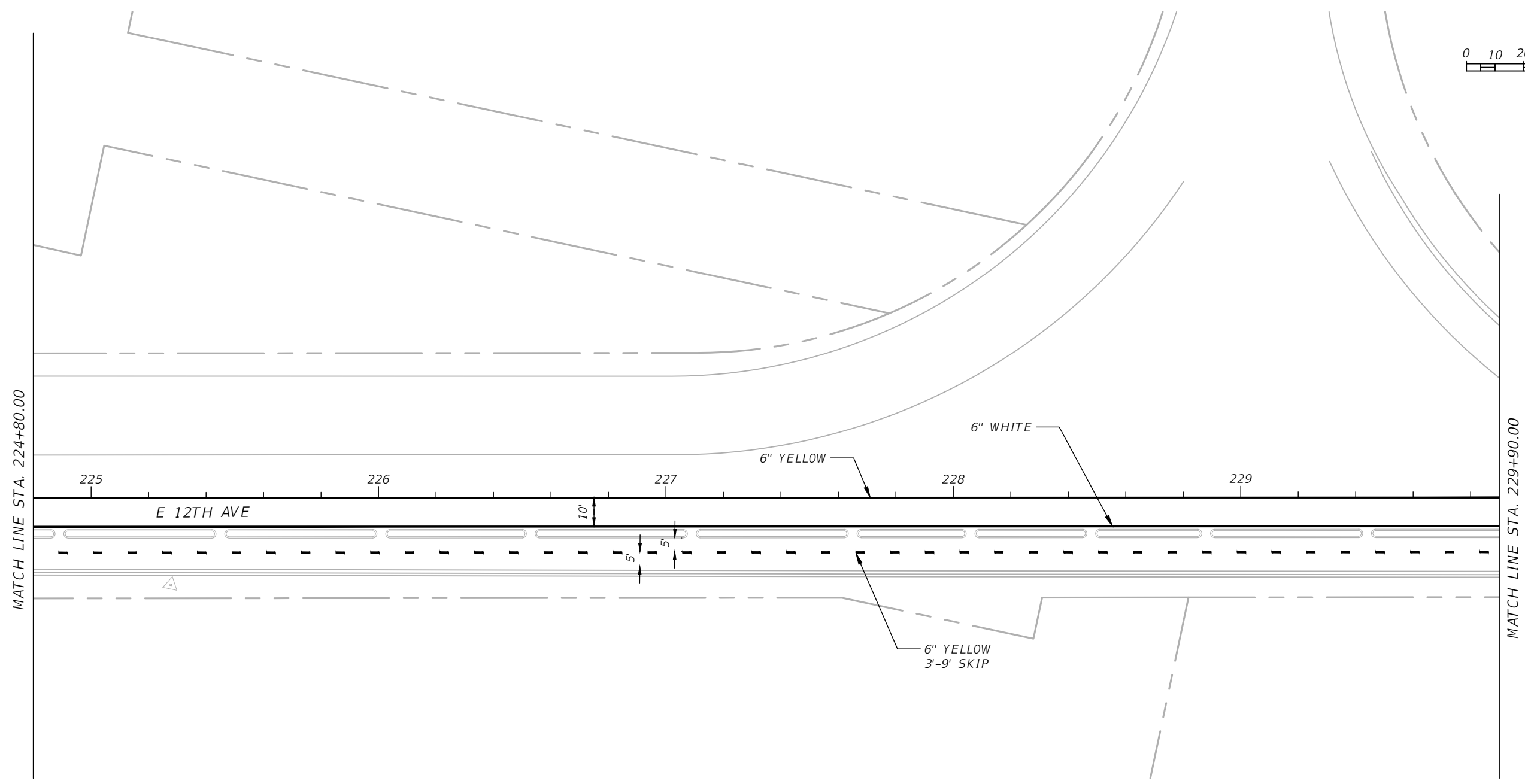
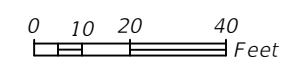
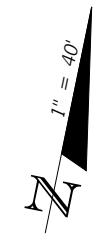
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

***SIGNING AND PAVEMENT  
 MARKING PLAN (3)***

SHEET NO.
S-7

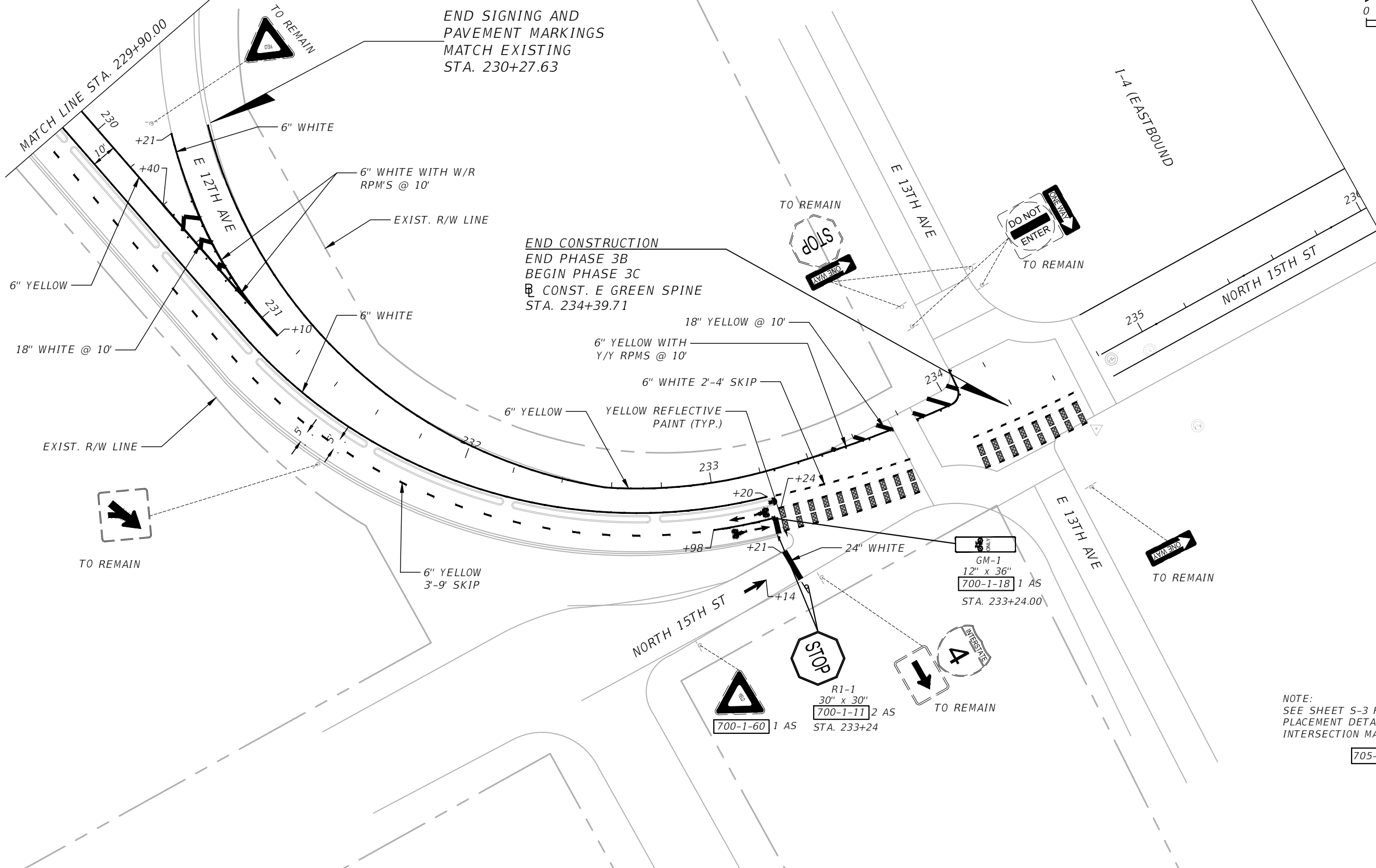
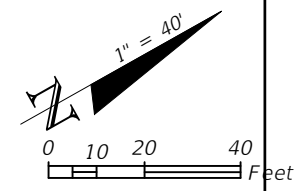


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REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<b>SIGNING AND PAVEMENT MARKING PLAN (4)</b>	SHEET NO.  S-8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
					HILLSBOROUGH	21-C-00022			

Nicholas Russin 2/6/2023 3:56:23 PM

g:\2201706 green spine cycle track-cot\Civil\Autocad-current\DSGNSP01 - CITY - DA work\_Phase3B.dwg



NOTE:  
SEE SHEET S-3 FOR DELINEATOR  
PLACEMENT DETAIL AND TYPICAL  
INTERSECTION MARKINGS DETAIL  
705-11-3 1 EA

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602  
ENGINEER OF RECORD:  
FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**SIGNING AND PAVEMENT  
MARKING PLAN (5)**

SHEET  
NO.  
S-9

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

**CITY OF TAMPA  
MOBILITY DEPARTMENT**

**CONTRACT PLANS**

FINANCIAL PROJECT ID 439476-3-58-01  
(FEDERAL FUNDS)

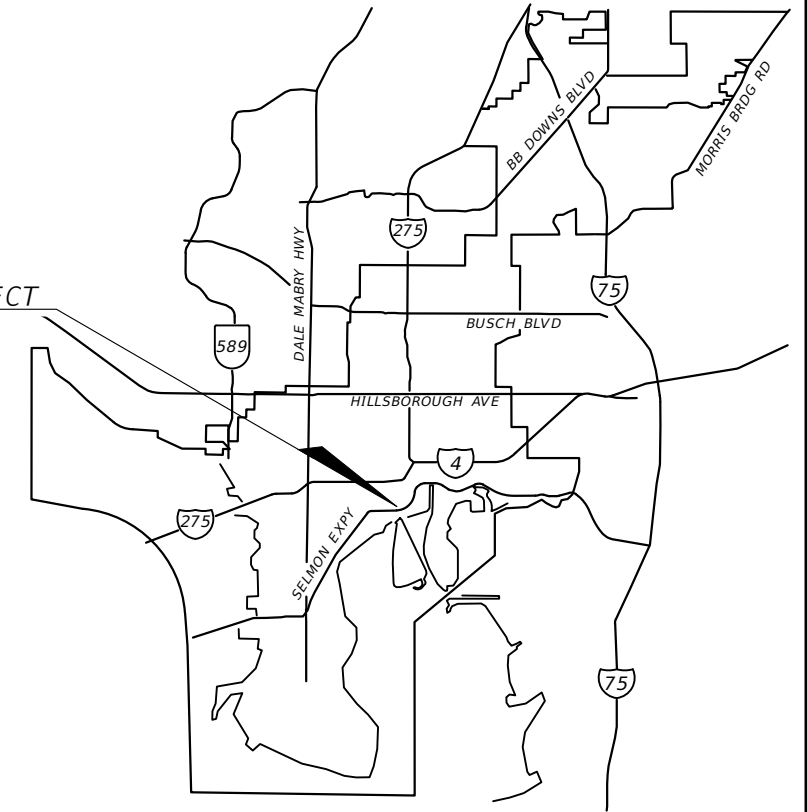
E/W GREEN SPINE CYCLE TRACK -  
PH. 3B FROM 7TH AVE. TO 13TH AVE.

**SIGNALIZATION PLANS**

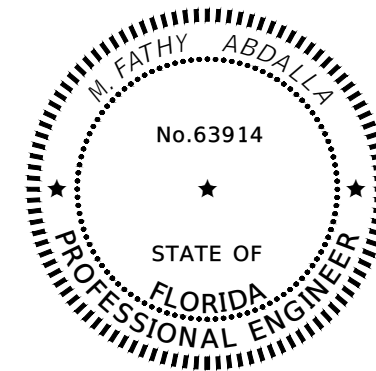
INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	TABULATION OF QUANTITIES
T-3	GENERAL NOTES
T-4	SIGNALIZATION PLAN

LOCATION OF PROJECT



FINAL SUBMITTAL  
FEBRUARY 2023



THIS ITEM HAS BEEN DIGITALLY SIGNED  
AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

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AND THE SIGNATURE MUST BE VERIFIED  
ON ANY ELECTRONIC COPIES.

KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602

FATHY ABDALLA, P.E. NO. 63914

CITY OF TAMPA PROJECT MANAGER:

NINA S. MABILLEAU E.I.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
21-C-00022	23	T-1

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														GRAND TOTAL	
			T-4														PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	10														10	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	250														250	
632-7-2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	95														95	
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	2														2	
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	2														2	
650-1-14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	4														4	
670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1														1	

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

TABULATION OF QUANTITIES

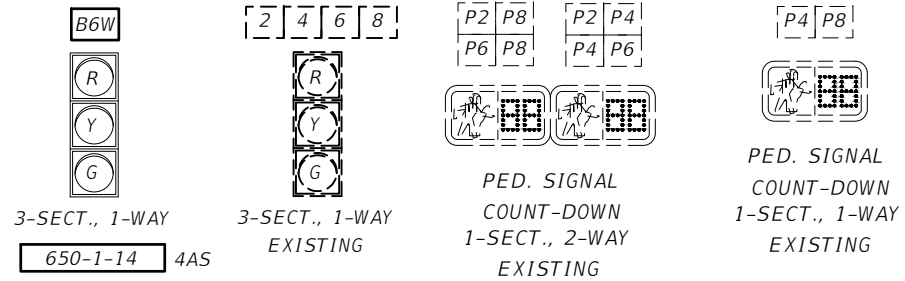
SHEET NO.
T-2

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

GENERAL NOTES:

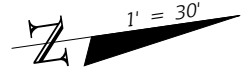
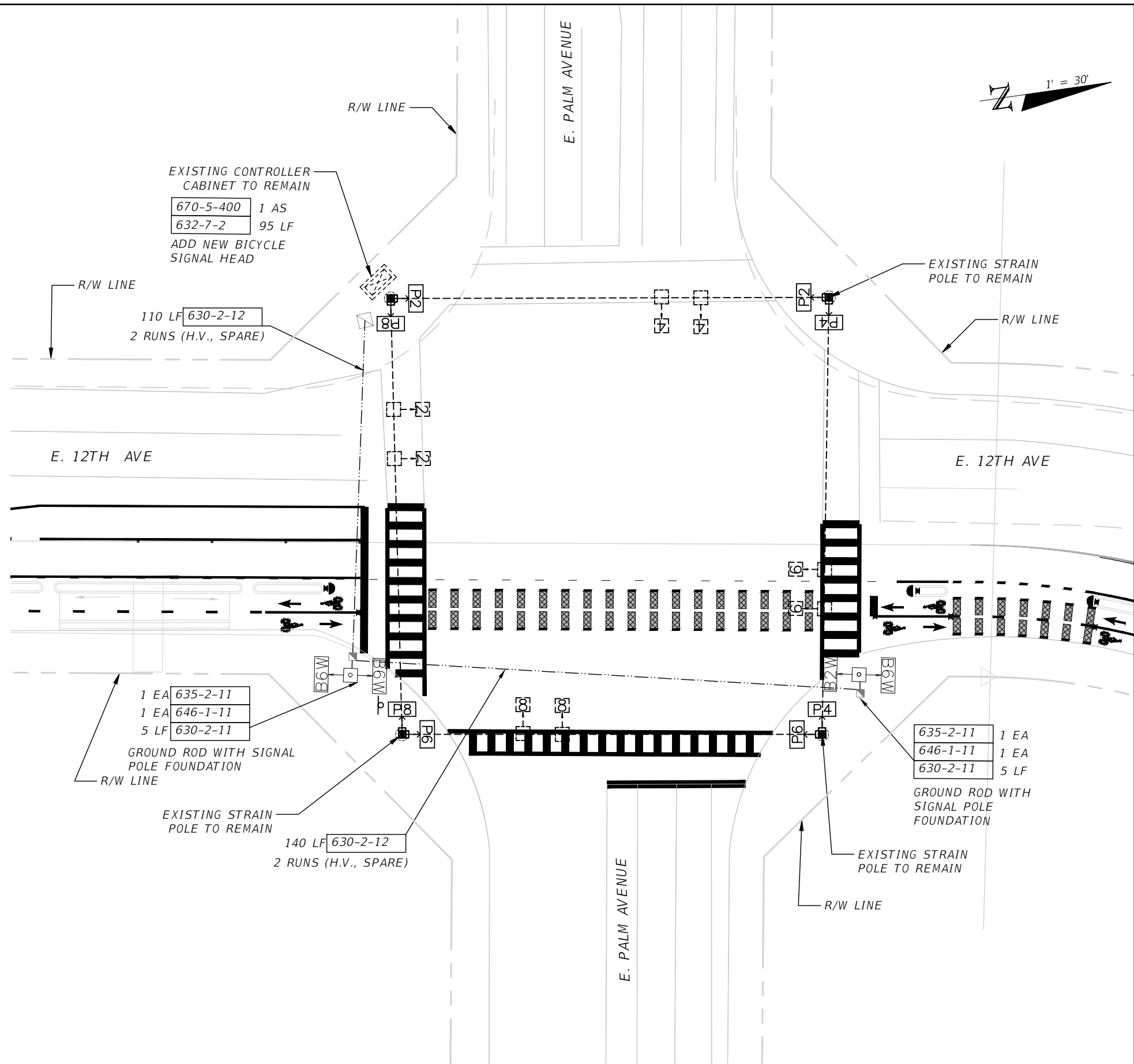
1. ALL RELOCATED PED POLES SHALL BE GROUNDED WITHIN THE FOUNDATION OF THE POLES OR WITHIN THE PULL BOX IF WITHIN 10 FEET FROM THE POLE LOCATION.
2. CONTRACTOR IS RESPONSIBLE TO REPLACE ANY DAMAGE EQUIPMENT DUE TO RELOCATION WITH NO ADDITIONAL COMPENSATION.
3. ALL BICYCLE POLES MUST HAVE A SUPPORT COLLAR WITH ROLL PINS.

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		T-3



**NOTES AND CONTROLLER OPERATIONS:**

1. MAJOR STREET IS E. 12TH AVENUE AND MINOR STREET IS E. PALM AVENUE
2. POSTED SPEED ON 12TH AVENUE IS 30 MPH AND POSTED SPEED ON E. PALM AVENUE IS 35 MPH
3. ALL PED SIGNALS SHALL CONTINUE TO RUN ON RECALL.
4. FLASHING OPERATION SHALL BE:  
 YELLOW FOR MOVEMENTS 2, 6 & B6W  
 RED FOR MOVEMENTS 4 & 8
5. SIGNAL HEAD B6W FOR WESTBOUND BICYCLISTS SHALL BE MOUNTED ON STANDARD ALUMINUM PEDESTRIAN PEDESTAL.



REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  T-4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.	
					HILLSBOROUGH	21-C-00022	<b>SIGNALIZATION PLAN (1)</b> <b>E. PALM AVE &amp; 12TH AVE</b>	

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

COMPONENTS OF CONTRACT PLANS SET  
 ROADWAY PLANS  
 SIGNING AND PAVEMENT MARKING PLANS  
 SIGNAL PLANS  
 LANDSCAPE PLANS

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
4-5	TYPICAL SECTIONS
6	SUMMARY OF DRAINAGE STRUCTURES
7	GENERAL NOTES
8	CURVE DATA TABLE & BENCHMARK TABLE
9	PROJECT LAYOUT
10-12	ROADWAY PLANS
13	DRAINAGE DETAILS
14-16	SPECIAL DETAILS
17-18	INTERSECTION DETAILS
19-20	DRAINAGE STRUCTURES
21	EROSION CONTROL PLAN
22-23	STORMWATER POLLUTION PREVENTION PLAN
24-25	TRAFFIC CONTROL PLAN
26-28	UTILITY ADJUSTMENT SHEETS
SQ1 - SQ10	SUMMARY OF QUANTITIES SHEETS

**CITY OF TAMPA**  
**MOBILITY DEPARTMENT**

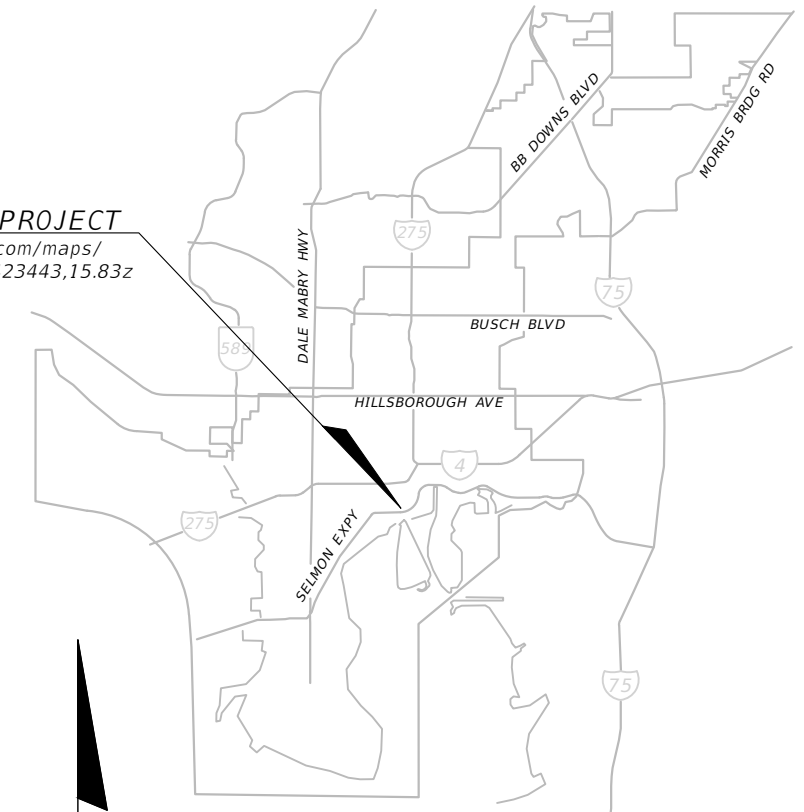
**CONTRACT PLANS**

FINANCIAL PROJECT ID 439476-4-58-01  
 FINANCIAL PROJECT ID 439476-4-58-02  
 (FEDERAL FUNDS)

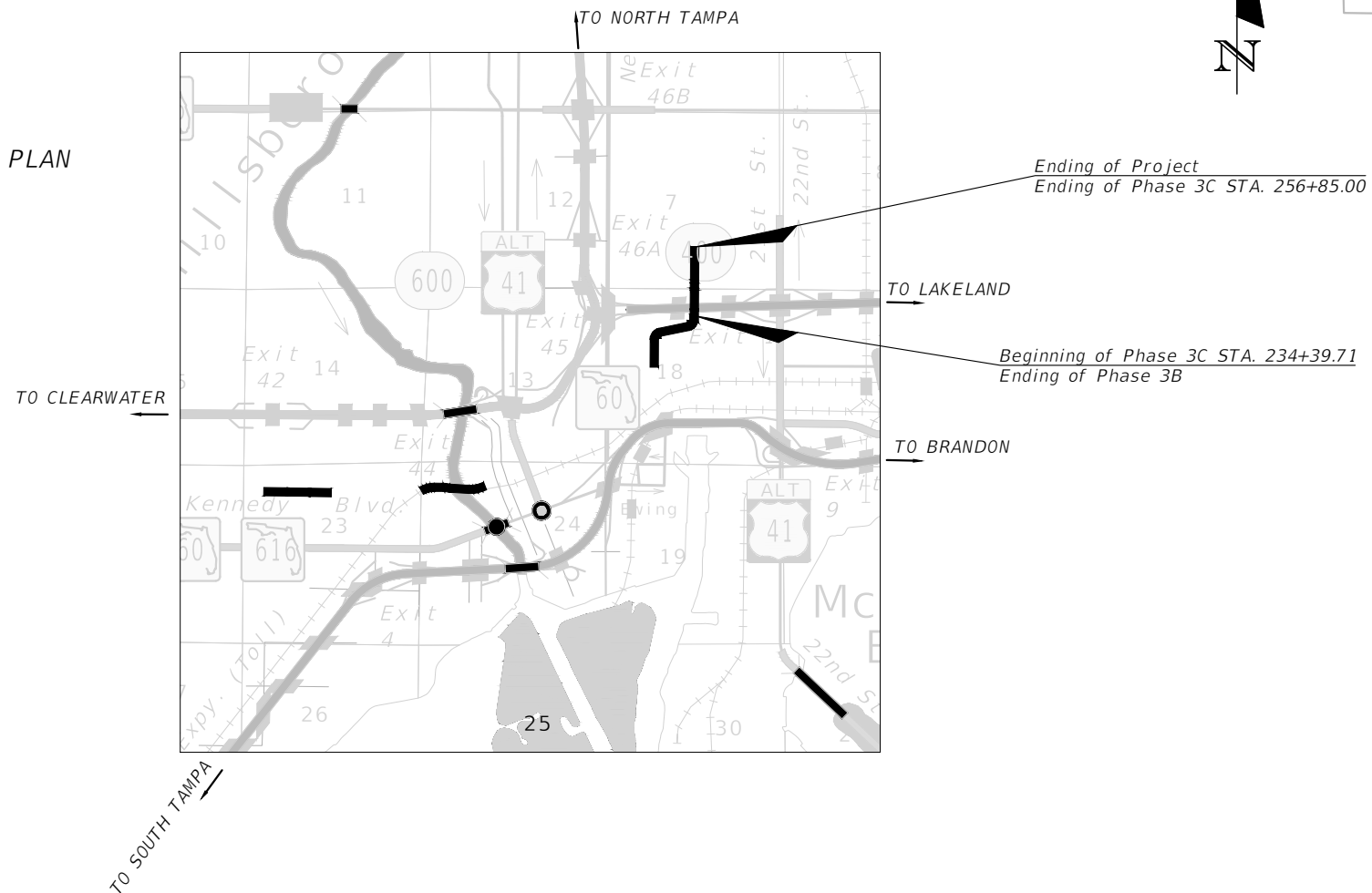
E/W GREEN SPINE CYCLE TRACK -  
 PH. 3C FROM 13TH AVE. TO  
 21ST AVE.

THIS PROJECT TO BE LET TO CONTRACT  
 WITH FINANCIAL PROJECT ID(S):  
 439476-3-58-01

LOCATION OF PROJECT  
<https://www.google.com/maps/@27.9642545,-82.4423443,15.83z>



FINAL SUBMITTAL  
 FEBRUARY 2023



ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E.  
 P.E. NO.: 63914  
 KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN STREET, SUITE 400  
 TAMPA, FL, 33602  
 (813) 871-5331  
 CONTRACT NO.: 21-C-00022  
 VENDOR NO.: 59-1677145

CITY OF TAMPA PROJECT MANAGER:  
 NINA S. MABILLEAU E.I.

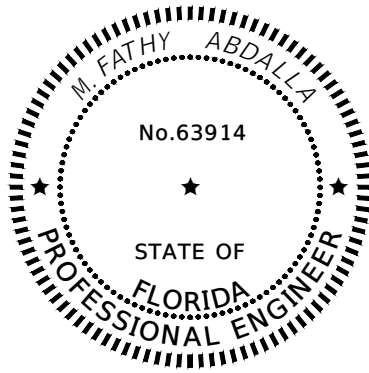
CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
21-C-00022	23	1

GOVERNING DESIGN STANDARD:  
 FLORIDA DEPARTMENT OF TRANSPORTATION, FY2023-24 DESIGN STANDARDS EBOOK (DSEB) AND APPLICABLE DESIGN STANDARDS REVISIONS (DSRS) AT THE FOLLOWING WEBSITE:  
<https://www.fdot.gov/design/standardplans>

GOVERNING STANDARD SPECIFICATIONS:  
 CITY OF TAMPA AND FLORIDA DEPARTMENT OF TRANSPORTATION, FY2023-24 DIVISION II AT THE FOLLOWING WEBSITE:  
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

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M. Fathy 2023.08.04  
Abdalla 11:19:36 -04'00'

ON THE DATE ADJACENT TO THE SEAL

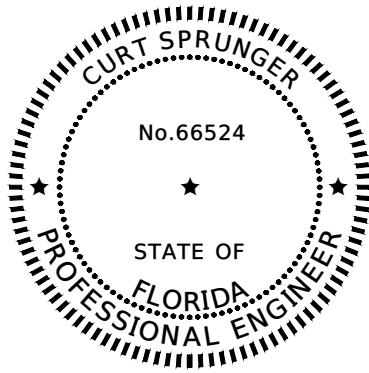
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KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602  
FLORIDA CERTIFICATE OF AUTHORIZATION  
NO. 02317  
FATHY ABDALLA, P.E. NO. 63914

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

PLAN INDEX

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
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17-18	INTERSECTION DETAILS
24-25	TRAFFIC CONTROL PLAN
26-28	UTILITY ADJUSTMENT SHEETS
SQ1 -SQ10	SUMMARY OF QUANTITIES SHEETS



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

Curtis Sprunger

Curtis Sprunger  
CPE-Curtis Sprunger  
#02317/01/15/00000183183068BA0054274  
KISINGER CAMPO AND ASSOCIATES CORP. - CUS  
2023/08/11 17:28:40

ON THE DATE ADJACENT TO THE SEAL

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KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602  
FLORIDA CERTIFICATE OF AUTHORIZATION  
NO. 02317  
CURT SPRUNGER, P.E. NO. 66524

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

PLAN INDEX

SHEET NO.	SHEET DESCRIPTION
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6	SUMMARY OF DRAINAGE STRUCTURES
13	DRAINAGE DETAILS
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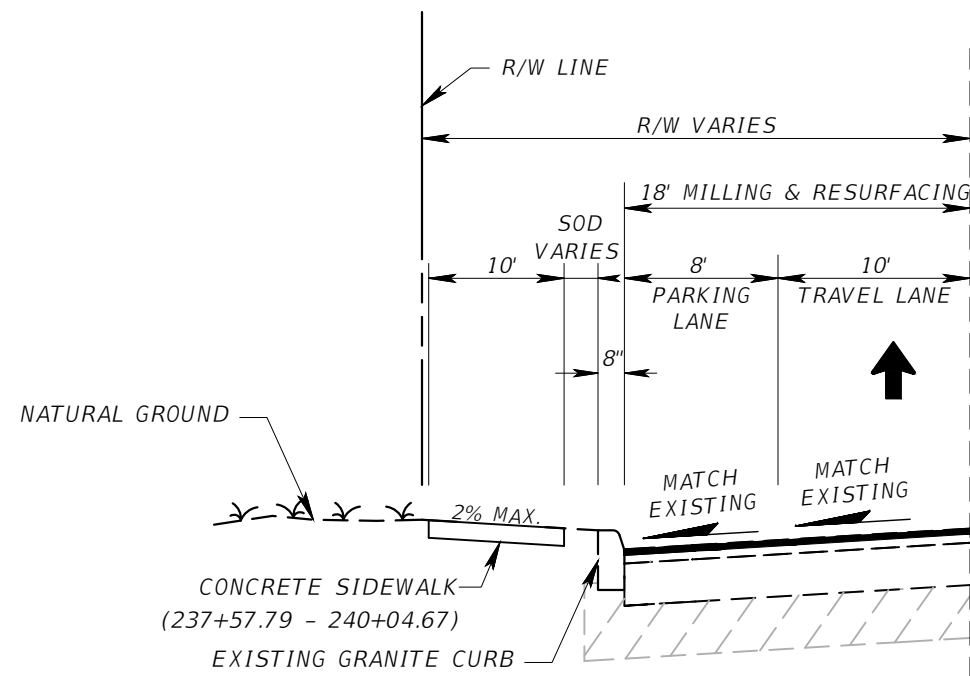
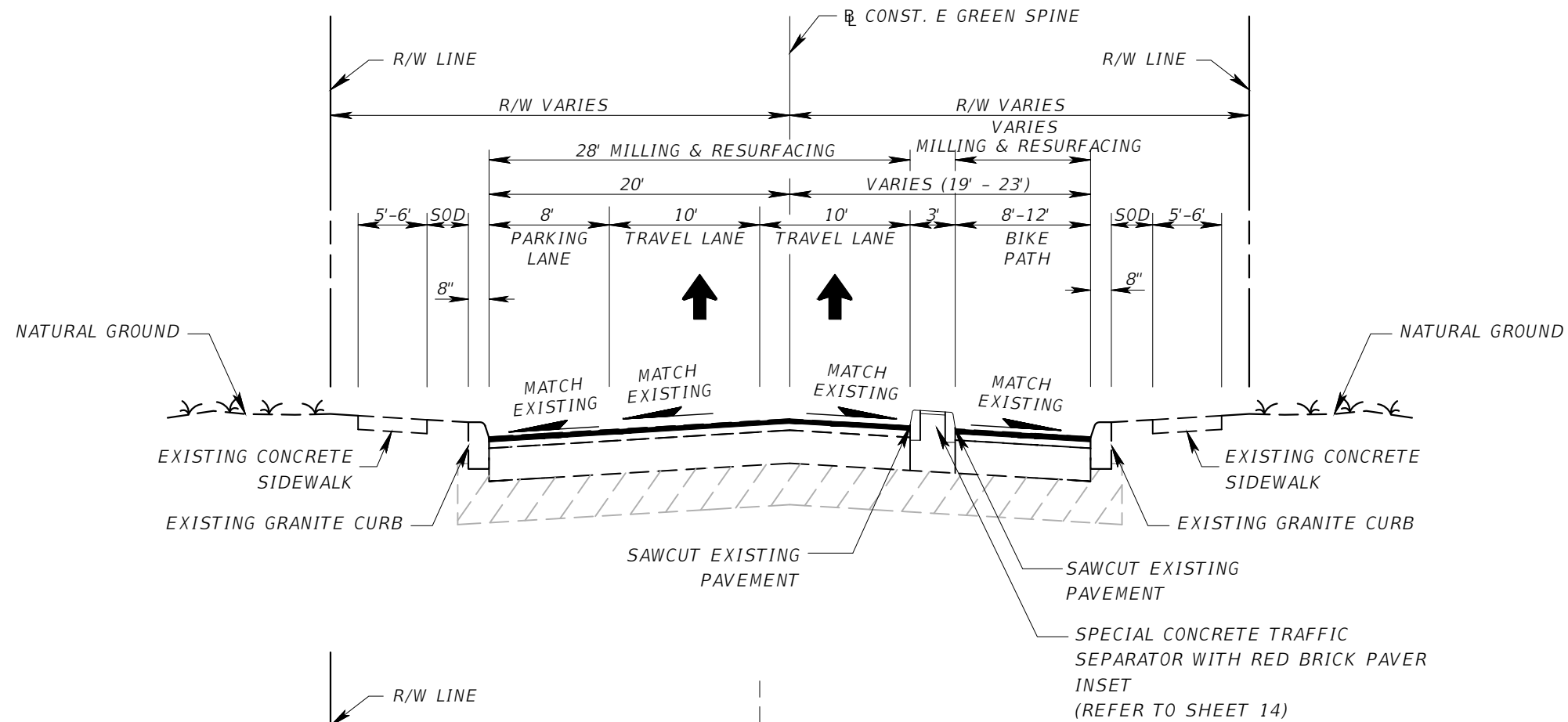
REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.	
					HILLSBOROUGH	21-C-00022		

*SIGNATURE SHEET*

PHASE 3C - 15TH FROM 13TH AVE TO 21ST AVE

FLORIDA DEPARTMENT OF TRANSPORTATION SUMMARY OF PAY ITEMS						FLORIDA DEPARTMENT OF TRANSPORTATION SUMMARY OF PAY ITEMS					
LEAD PROJECT: 439476-1-58-01		DISTRICT: D7		COUNTY/SECTION:		LEAD PROJECT: 439476-1-58-01		DISTRICT: D7		COUNTY/SECTION:	
PROJECT: 43947615801		COUNTY: HILLSBOROUGH		COUNTY: HILLSBOROUGH		PROJECT: 43947615801		COUNTY: HILLSBOROUGH		COUNTY: HILLSBOROUGH	
PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY			PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY		
			439476-4-58-01	439476-4-58-02	Total				439476-4-58-01	439476-4-58-02	Total
101 1	MOBILIZATION	LS	0.15		0.15	0646 1 40	ALUMINUM SIGNALS POLE, RELOCATE	EA	4		4
102 1	MAINTENANCE OF TRAFFIC	LS	1.00		1.00	0646 1 60	ALUMINUM SIGNALS POLE, REMOVE	EA	1		1
104 10 3	SEDIMENT BARRIER	LF	175		175	0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	4		4
104 18	INLET PROTECTION SYSTEM	EA	13		13	0654 2 22	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE SIGN ASSEMBLY- BACK TO BACK	AS	2		2
110 1 1	CLEARING AND GRUBBING	LS	1		1	0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	2		2
110 4 10	REMOVAL OF EXISTING CONC	SY	985		985	0670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	2		2
120 6	EMBANKMENT	CY	419		419	0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	10		10
327 70 6	MILLING EXIST ASPH PAVT, 1.5" AVG DEPTH	SY	9,288		9,288	0700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	1		1
337 7 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	768		768	0700 1 18	SINGLE POST SIGN, F&I GROUND MOUNT, IN-STREET FLEXIBLE POST SIGN	AS	8		8
425 2 043	MANHOLE TYPE 7, PARTIAL	EA	3		3	0700 1 50	SINGLE POST SIGN, RELOCATE	AS	6		6
EX-425 5	MANHOLE, ADJUST	EA		8	8	0700 1 60	SINGLE POST SIGN, REMOVE	AS	8		8
EX-435 100 2	INLET SPECIAL DRAINAGE GRATE	LF		181	181	0705 11 3	DELINEATOR, FLEXIBLE HIGH VISABILITY MEDIAN	EA	15		15
430 175 115	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD	LF	102		102	0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1		1
430 175 118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	63		63	0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	752		752
520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	325		325	0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	307		307
520 2 4	CONCRETE CURB, TYPE D	LF	2,410		2,410	0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	294		294
520 7 1	GRANITE CURB, FURNISH & INSTALL	LF	193		193	0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.255		0.255
520 7 2	GRANITE CURB, RESET	LF	235		235	0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	3		3
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	SY	340		340	0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	21		21
522 3	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	SY	1,696		1,696	0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	468		468
EX-526 1A	RED BRICK PAVERS, FURNISH AND INSTALL	SY		115	115	0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	670		670
EX-526 1B	RED BRICK PAVERS, INSTALL	SY		115	115	0711 14160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	17		17
EX-527 2	DETECTABLE WARNINGS	SF		357	357	0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.662		0.662
570 1 2	PERFORMANCE TURF, SOD	SY	432		432	0711 16102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.115		0.115
COT-002	CITY INLET TYPE 2	EA	2		2	0711 16131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	0.343		0.343
COT-003	CITY INLET TYPE 3	EA	3		3	0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.194		0.194
EX-9910	ADJUST VALVE BOX (HEIGHT)	EA		15	15	0711 16202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM	0.003		0.003
						0711 16231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.122		0.122
PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY			PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY		
			439476-4-58-01	439476-4-58-02	Total				439476-4-58-01	439476-4-58-02	Total
0523 1 3	PATTERNED PAVEMENT, INCLUDING GREEN BIKE LANE	SY	128		128	EX-0520 2 4	CONCRETE CURB, TYPE D	LF		160	160
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	150		150	EX-0580 1 1	LANDSCAPE COMPLETE- SMALL PLANTS	LS		1	1
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	191		191	EX-0580 1 2	LANDSCAPE COMPLETE- LARGE PLANTS	LS		1	1
0632 7 2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	900		900	EX-COT-101	PAVERS, ARCHITECTURAL, SIDEWALK	SY		87	87
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	7		7	EX-COT-103	SPECIAL FURNISHINGS	LS		1	1
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	4		4	EX-COT-102	PRE-EMERGENT HERBICIDE	SY		142	142

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<i>SUMMARY OF PAY ITEMS - (1)</i>	SHEET NO.  3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
						HILLSBOROUGH	21-C-00022		



TYPICAL SECTION IV  
 PHASE 3C - 15TH ST. (13TH AVE. TO 17TH AVE.)  
 STA. 234+39.71 TO 245+41.00

MILL EXISTING ASPHALT PAVEMENT 1.5" AVG. DEPTH)  
 FRICTION COURSE SP-12.5 (TRAFFIC C) (1.5") (PG 76-22)  
 N.T.S.

TRAFFIC DATA	
CURRENT YEAR	= 2019 AADT = 4,700
ESTIMATED OPENING YEAR	= 2025 AADT = 5,200
ESTIMATED DESIGN YEAR	= 2045 AADT = 6,900
K=19% D=100% T=8% (24 HOUR)	
DESIGN HOUR T	= 4%
DESIGN SPEED	= 30 MPH

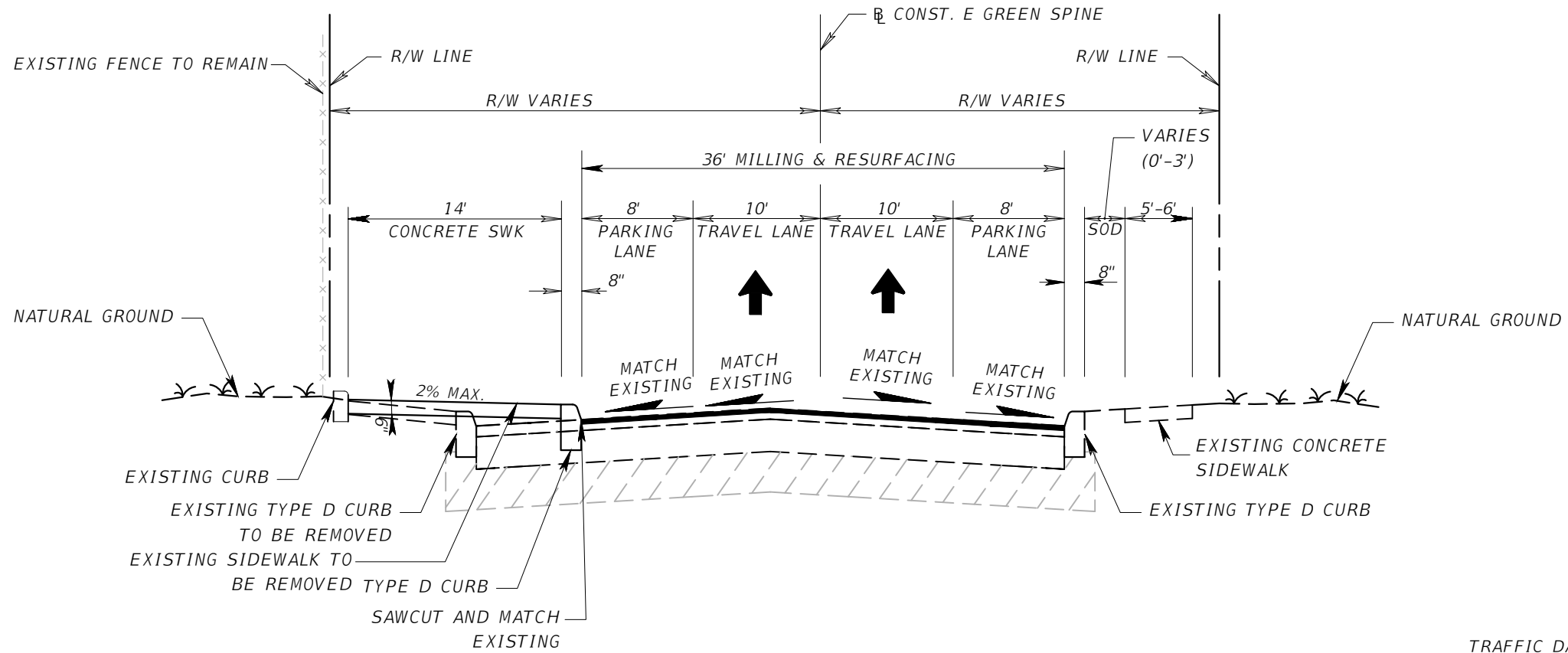
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

TYPICAL SECTION - (1)

SHEET NO.  
4



**TYPICAL SECTION V**  
 PHASE 3C - 15TH ST. (17TH AVE. TO 21ST AVE.)  
 STA. 245+41.00 TO 256+82.60

MILL EXISTING ASPHALT PAVEMENT 1.5" AVG. DEPTH)  
 FRICTION COURSE SP-12.5 (TRAFFIC C) (1.5") (PG 76-22)

N.T.S

TRAFFIC DATA	
CURRENT YEAR	= 2019 AADT = 4,700
ESTIMATED OPENING YEAR	= 2025 AADT = 5,200
ESTIMATED DESIGN YEAR	= 2045 AADT = 6,900
K=9% D=100% T=8% (24 HOUR)	
DESIGN HOUR T	= 4%
DESIGN SPEED	= 30 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**TYPICAL SECTION - (2)**

SHEET NO.  
5

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN & CROSS DRAIN		CURB INLET		MANHOLE	REMARKS
						ROUND		COT TYPE 2	COT TYPE 3	TYPE 7	
						15"	18"	<10'	<10'	PARTIAL	
P	S-105A	243+90.00	LT	INLET, PIPE	1		46			1	
F											
P	S-105B	243+41.30	RT	INLET, PIPE	1		17			1	
F											
P	S-105C	243+41.13	LT	PARTIAL MH						1	
F											
P	S-105D	243+40.33	RT	PARTIAL MH						1	
F											
P	S-106	245+50.00	LT	INLET, PIPE	1	6				1	
F											
P	S-107	245+58.38	LT	PARTIAL MH						1	
F											
P	S-108	246+12.00	LT	INLET, PIPE	1	50		1			
F											
P	S-109	246+80.00	RT	INLET, PIPE	1	46		1			
F											
<b>SUBTOTALS</b>				PLAN QUANTITY:		102	63	2	3	3	
				FINAL QUANTITY:							

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: CURT SPRUNGER, P.E. NO: 66524	CITY OF TAMPA MOBILITY DEPARTMENT			<b>SUMMARY OF DRAINAGE STRUCTURES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		6
						HILLSBOROUGH	21-C-00022		

**GENERAL NOTES**

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHOULD REMAIN UNLESS OTHERWISE NOTED.
3. IF ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, IMMEDIATELY NOTIFY THE ENGINEER IN CONJUNCTION WITH THE CITY SURVEYOR, CLARENCE "LUCKY" WADE (813) 635-3430.
4. PROPOSED CONCRETE SIDEWALK TO BE 4" CONCRETE. SIDEWALK CROSSING DRIVEWAYS TO BE 6" CONCRETE.
5. AREAS DISTURBED OUTSIDE THE PAVEMENT SHALL BE RESTORED TO THEIR ORIGINAL NEW CONDITION. GRASSED AREAS DISTURBED SHALL BE RESTORED WITH PERFORMANCE SOD.
6. MAINTAIN ONE COMPLETE SET OF CONTRACT DOCUMENTS AT THE SITE, THESE DOCUMENTS SHALL INCLUDE BUT NOT BE LIMITED TO CONTRACT DOCUMENTS AND SPECIFICATIONS, AND ANY TECHNICAL OR REFERENCE DOCUMENTS THAT MAY BE RELATIVE. AS THE WORK PROGRESSES RECORD ON ONE SET OF REPRODUCIBLE DRAWINGS ALL CHANGES AND DEVIATIONS FROM THE ORIGINAL PLANS. RECORD THE EXACT LOCATION OF ALL CHANGES IN VERTICAL AND HORIZONTAL ALIGNMENT BY OFFSETS AND TIES TO PERMANENT IMPROVEMENTS SUCH AS STRUCTURES AND CURBS. ALL DEVIATIONS FROM THESE PLANS SHALL BE APPROVED BY THE ENGINEER.
7. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE CITY'S SPECIFICATIONS ARE SUBJECT TO REMOVAL AND REPLACEMENT WITH APPROVED MATERIALS FOR NO ADDITIONAL PAYMENT.
8. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF THE CITY IS SUBJECT TO RE-EXCAVATION, REMOVAL AND REPLACEMENT OF SAME TO BE DONE FOR NO ADDITIONAL PAYMENT.
9. PROVIDE SUFFICIENT PERSONNEL AND EQUIPMENT ON THE JOB AT ALL TIMES DURING CONSTRUCTION TO SATISFY THE SPECIFICATIONS AND COMPLETE WORK.
10. VERIFY ALL QUANTITIES SHOWN ON THE PLANS. IF ANY DISCREPANCIES IN QUANTITIES ARE FOUND, NOTIFY THE PROJECT ENGINEER AND THE CITY.
11. ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS SHALL BE COMPLIED WITH.
12. APPROPRIATE TURBIDITY CONTROL DEVICES (E.G. SILT FENCES, SYNTHETIC BALES) WILL BE UTILIZED DURING ALL PHASES OF INSTALLATION AND GRADING. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT AND NOTICE OF TERMINATION TO THE EPA IN COMPLIANCE WITH THE CITY NPDES PERMIT. CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND MAINTAINING AN EFFECTIVE STORM WATER POLLUTION PREVENTION PLAN.
13. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHOULD VERIFY AND SHOULD BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES AFFECTING HIS WORK. ANYTHING NOT SHOWN ON THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHOULD NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER.
14. CONTACT THE ENGINEER AND CITY IMMEDIATELY CONCERNING ANY CONFLICTS WITH THE CITY'S UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF ANY FACILITIES SHOWN ON THESE DRAWINGS.
15. VERIFY ALL UTILITIES AND PROVIDE AT LEAST 48 HOURS NOTICE TO THE INDIVIDUAL UTILITY AGENCY OWNERS AND CITY PRIOR TO CONSTRUCTION.
16. REPLACE ALL PAVEMENT, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, ETC., WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD RESTORE ALL AREAS AFFECTED BY THE CONSTRUCTION TO ITS ORIGINAL CONDITION, OR BETTER.
17. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
18. ALL FRAMES, COVERS, VALVE BOXES, METER BOXES, FIRE HYDRANTS AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. ALL VALVE PADS SHALL BE POURED IN PLACE. NO PRE-FORMED VALVE PADS ALLOWED.
19. EXISTING UTILITIES NOT BEING RELOCATED, ARE TO REMAIN IN SERVICE.
20. CONTRACTOR SHOULD MAINTAIN ALL VEHICLE DETECTION THROUGHOUT THE ENTIRETY OF THE PROJECT AND UNTIL THE REPLACED DETECTION DEVICES HAVE PASSED INSPECTION
21. THIS PROJECT IS TO BE CONSTRUCTED COMPLETELY WITHIN THE TRANSPORTATION RIGHT-OF-WAYS. THE CONTRACTOR SHOULD NOT ENCROACH OR UTILIZE ANY OF THE CUSCADEN PARK PROPERTY ON THE 2900 BLOCK OF N. 15TH STREET FOR CONSTRUCTION, STAGING, STOCKPILING OR ANY OTHER PURPOSE.

22. HISTORIC GRANITE CURBS WILL REMAIN IN PLACE THROUGHOUT THE PROJECT AND IN LOCATIONS WHERE CURB WORK IS ANTICIPATED, GRANITE CURBS WILL BE RE-INSTALLED AS NECESSARY.

**CONSTRUCTION NOTES**

1. DO NOT EXCAVATE ANY AREAS THAT CANNOT BE SAFELY REOPENED TO TRAFFIC WITHIN THE SAME WORK PERIOD.
2. USE APPROPRIATE MEASURES TO PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO INLETS, SURFACE DRAINS, LAKES, AND WETLANDS. THE CONTRACTOR SHOULD USE INLET PROTECTION SYSTEMS AND SEDIMENT BARRIERS OR OTHER APPROPRIATE MEASURES TO PREVENT ADVERSE IMPACTS TO EXISTING SURFACE WATER QUALITY.
3. CHECK ALL EROSION AND SILTATION CONTROL DEVICES AFTER EACH RAINFALL AND REPAIR OR REPLACE THEM AS NEEDED..
4. CHECK ALL FUGITIVE DUST GENERATED BY CONSTRUCTION ACTIVITIES IN THE PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
5. ALL UNSUITABLE MATERIAL ENCOUNTERED DURING CONSTRUCTION, AS DETERMINED BY THE CITY CONSTRUCTION INSPECTOR, SHALL BE REMOVED AND REPLACED WITH CLEAN FILL.

**CONTAMINATION NOTES**

BASED ON THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S CONTAMINATION LOCATOR MAP, THE FOLLOWING CONTAMINATED SITE MAY POTENTIALLY ADVERSELY IMPACT THE PROJECT:

1. FORMER SOUTHERN HYDRAULIC SERVICES LOCATED AT 1502 E. COLUMBUS DR - FOLIO NO. 187517.0000 (FACILITY ID #9100548 - ACTIVE PETROLEUM CLEANUP). NOTE THAT STRUCTURES S-105B, S105-D AND THEIR ASSOCIATED PIPES ARE LOCATED IN THIS AREA.

IF THE REVIEW OF THE WORK IN THIS AREAS IS DETERMINED TO HAVE AN IMPACT ON THE PROJECT BY THE ENGINEER, IMPACTED CONTAMINATED SOIL AND GROUNDWATER SHALL BE REMOVED FOR DISPOSAL BY THE CONTRACTOR AND PAID USING A PERCENTAGE OF THE REMEDIATION LINE ITEM.

NOTE THAT STRUCTURE S-105B AND ITS ASSOCIATED PIPE IS LOCATED IN THE AREA

**STORMWATER NOTES**

1. PROPOSED SIDEWALK SHALL NOT IMPEDE HISTORICAL DRAINAGE FLOW PATTERNS.
2. SIGNED AND SEALED AS-BUILT DRAWINGS WITH SURVEYED ELEVATION DATA SHALL BE SUBMITTED TO THE CITY OF TAMPA STORMWATER ENGINEERING SECTION (ATTENTION BARBARA GRAVE).
3. ALL PROPOSED PIPE TO BE RCP CLASS II.

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  7
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.	
						HILLSBOROUGH	21-C-00022	

*GENERAL NOTES - (1)*

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

CURVE DATA TABLE

NUMBER	PC STA.	PI STA.	PT STA.	T	D	Δ	DIRECTION	L	R	PC NORTH.	PC EAST.	PI NORTH.	PI EAST.	PT NORTH.	PT EAST.
C9	207+86.17	208+22.34	208+58.37	36.17	012° 03' 44"	008° 42' 33"	RT	72.202	475.000	1318249.3720	511954.3413	1318285.5417	511954.6148	1318321.2529	511960.3620
C10	208+86.89	209+16.71	209+46.38	29.81	016° 22' 13"	009° 44' 17"	LT	59.486	350.000	1318349.4144	511964.8942	1318378.8503	511969.6315	1318408.6633	511969.3216
C11	219+33.72	221+04.42	222+20.38	170.70	027° 17' 01"	078° 12' 42"	RT	286.660	210.000	1319395.9873	511971.4420	1319566.6834	511972.1610	1319600.8525	512139.4038
C12	230+98.52	232+60.40	233+70.69	161.88	028° 38' 52"	077° 58' 19"	LT	272.173	200.000	1319776.6329	512999.7736	1319809.0360	513158.3730	1319970.9059	513159.7320

BENCHMARKS

<u>Benchmark Name</u>	<u>Sta.</u>	<u>Offset</u>	<u>Side</u>	<u>East</u>	<u>North</u>	<u>Elev.</u>	<u>Description</u>
BM509	207+73.49	34.11	Rt.	511 988.352	1 318 236.436	21.73	Nail & Disc "City of Tampa TS&S Survey Control"
BM510	211+04.51	47.98	Lt.	511 919.966	1 318 566.986	23.69	Nail & Disc "City of Tampa TS&S Survey Control"
BM511	213+00.09	34.74	Rt.	512 003.516	1 318 762.216	25.33	Nail & Disc stamped "City of Tampa Trans. Div. Survey Control"
BM512	215+97.17	47.94	Lt.	511 922.086	1 319 059.648	28.30	Nail & Disc "City of Tampa TS&S Survey Control"
BM513	219+07.09	49.30	Lt.	511 922.027	1 319 369.571	33.79	Nail & Disc "City of Tampa TS&S Survey Control"
BM514	221+07.43	46.50	Lt.	512 008.601	1 319 584.629	40.93	Nail & Disc "City of Tampa TS&S Survey Control"
BM515	225+27.85	29.62	Rt.	512 446.581	1 319 633.383	38.65	Nail & Disc "City of Tampa TS&S Survey Control"
BM516	229+89.90	28.38	Rt.	512 899.034	1 319 727.081	32.37	Nail & Disc "City of Tampa TS&S Survey Control"
BM517	232+59.59	36.71	Rt.	513 159.798	1 319 846.062	32.89	Nail & Disc "City of Tampa TS&S Survey Control"
BM518	234+66.58	25.10	Rt.	513 203.568	1 320 048.336	34.82	Nail & Disc "City of Tampa TS&S Survey Control"
BM519	228+96.21	278.40	Lt.	512 745.832	1 320 008.898	35.10	Nail & Disc "City of Tampa TS&S Survey Control"
BM581	237+50.20	26.72	Lt.	513 153.720	1 320 332.250	40.40	Mag Nail & Disc "City of Tampa TS&S Survey Control"
BM582	240+48.59	26.68	Rt.	513 208.351	1 320 630.416	43.13	Mag Nail & Disc "City of Tampa TS&S Survey Control"
BM583	243+55.58	23.33	Lt.	513 160.794	1 320 937.584	44.82	Mag Nail & Disc "City of Tampa TS&S Survey Control"
BM584	245+80.86	24.41	Rt.	513 212.580	1 321 161.561	45.69	Mag Nail & Disc "City of Tampa TS&S Survey Control"
BM585	245+91.77	20.49	Rt.	513 209.172	1 321 172.641	45.64	Mag Nail & Disc "City of Tampa TS&S Survey Control"
BM586	249+16.62	28.20	Lt.	513 161.730	1 321 498.495	45.70	Mag Nail & Disc "City of Tampa TS&S Survey Control"
BM587	252+36.96	19.66	Rt.	513 210.336	1 321 818.724	46.35	Mag Nail & Disc "City of Tampa TS&S Survey Control"
BM588	256+19.06	370.27	Lt.	513 161.964	1 322 264.938	46.68	Mag Nail & Disc "City of Tampa TS&S Survey Control"
BM589	256+83.02	29.87	Lt.	512 821.338	1 322 202.183	44.25	Mag Nail & Disc "City of Tampa TS&S Survey Control"

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

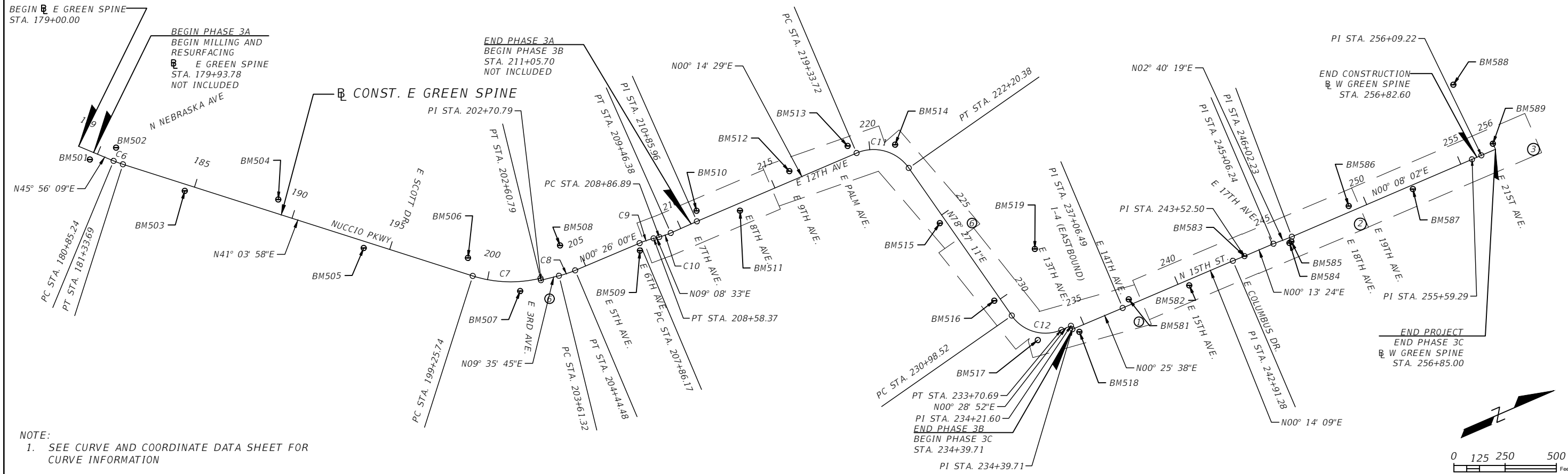
CITY OF TAMPA  
 MOBILITY DEPARTMENT

ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**CURVE DATA TABLE &  
 BENCHMARKS TABLE**

SHEET NO.

8



NOTE:  
 1. SEE CURVE AND COORDINATE DATA SHEET FOR CURVE INFORMATION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

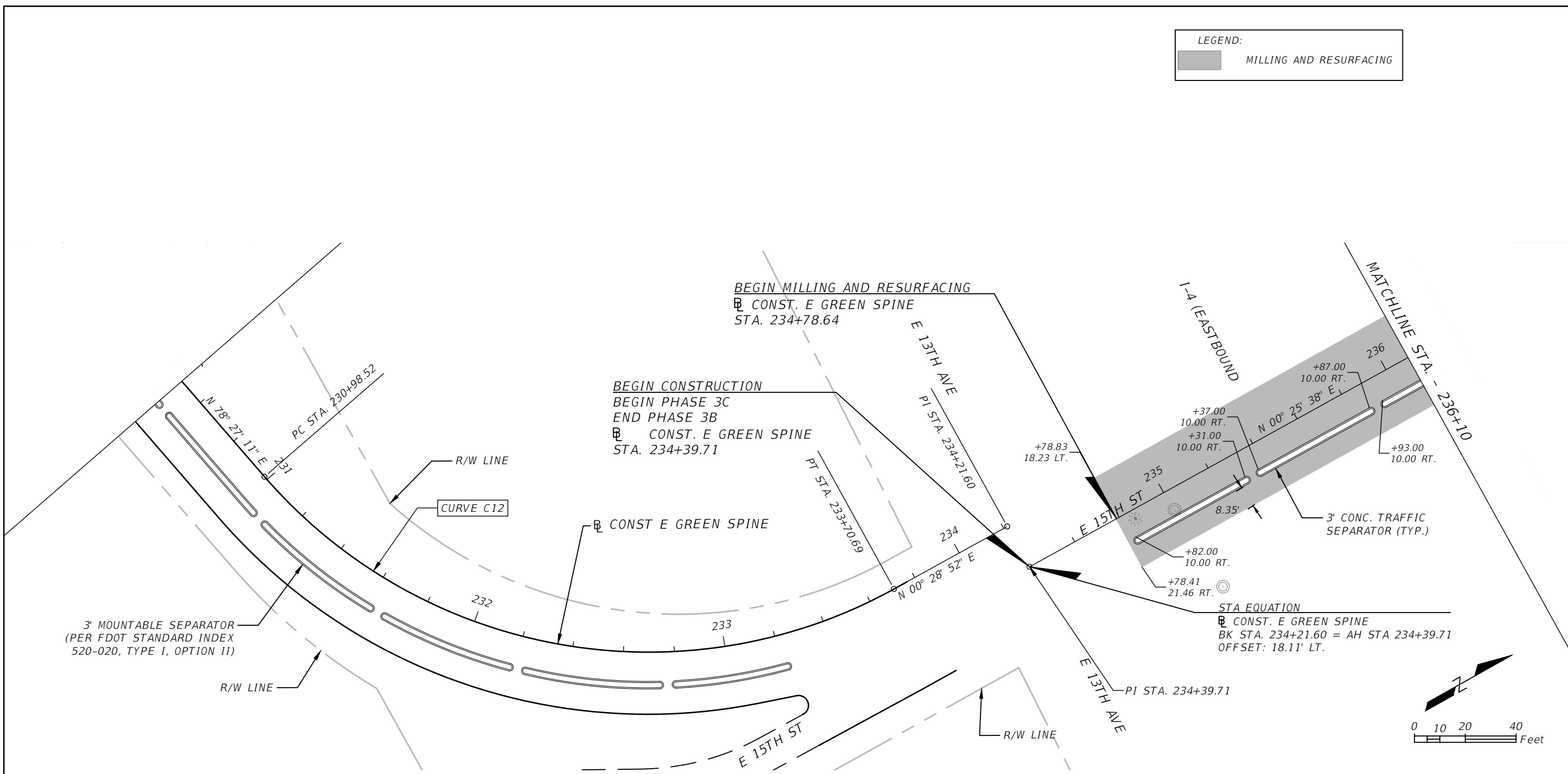
**PROJECT LAYOUT**

SHEET NO.
9

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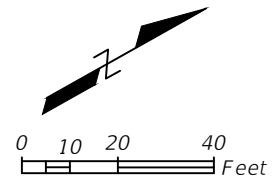


**LEGEND:**  
 **MILLING AND RESURFACING**



3' MOUNTABLE SEPARATOR  
 (PER FDOT STANDARD INDEX  
 520-020, TYPE I, OPTION II)

**STA EQUATION**  
 ▣ CONST. E GREEN SPINE  
 BK STA. 234+21.60 = AH STA 234+39.71  
 OFFSET: 18.11' LT.



**NOTES:**  
 1. SEE SHEET 8 FOR  
 ADDITIONAL CURVE DATA

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

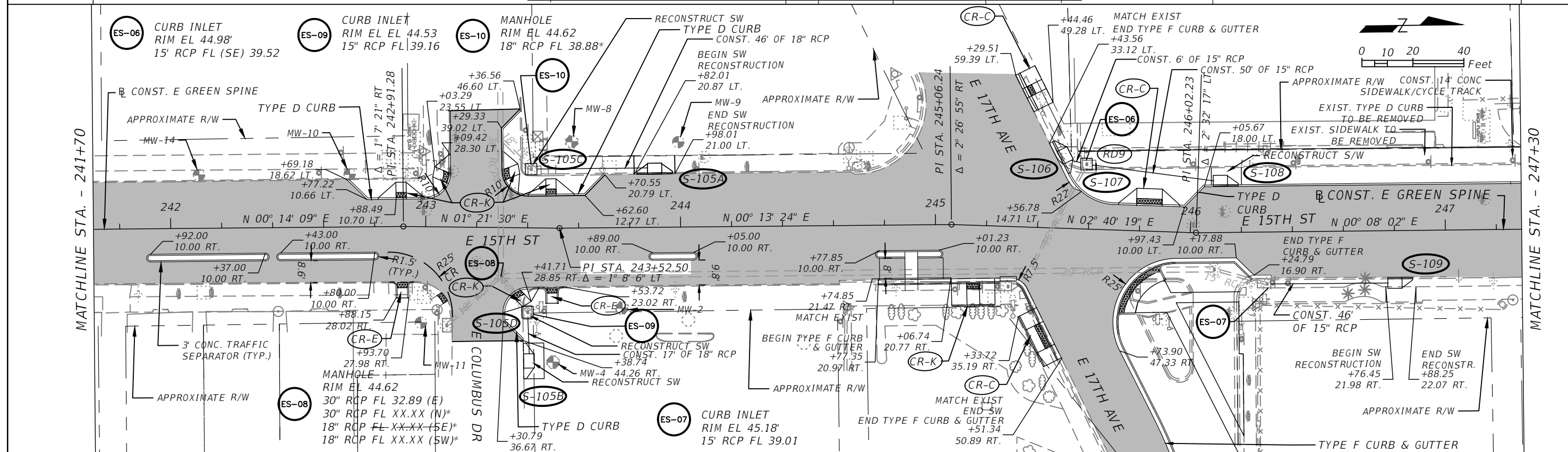
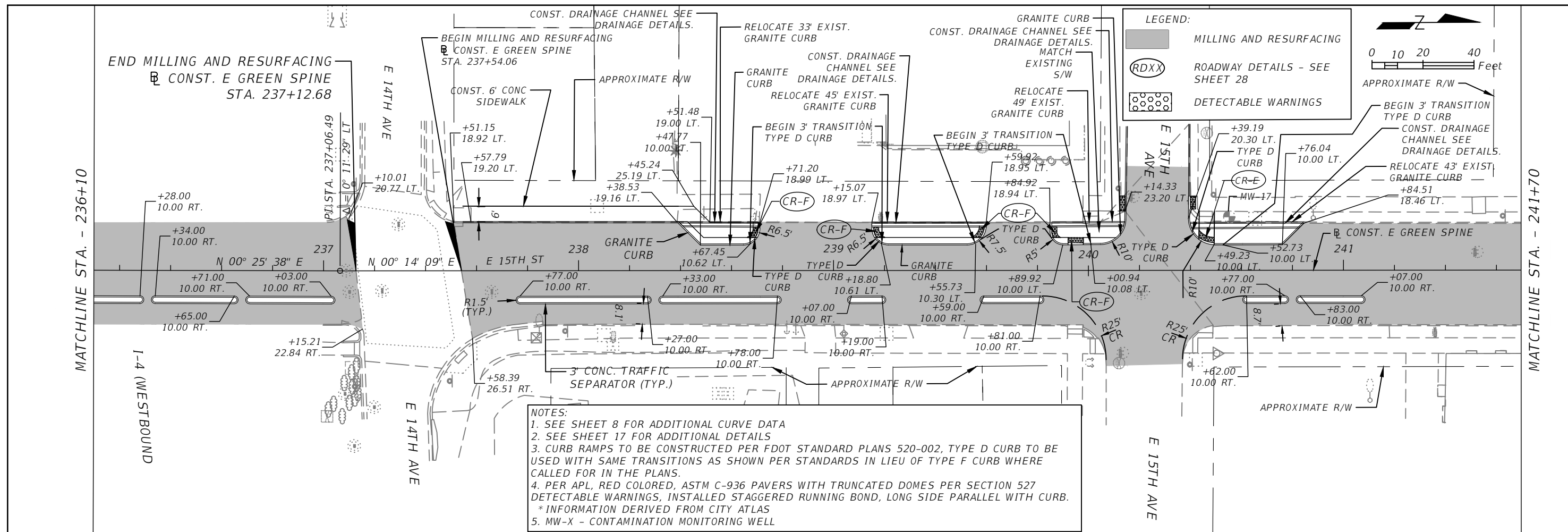
KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**ROADWAY PLANS - (1)**

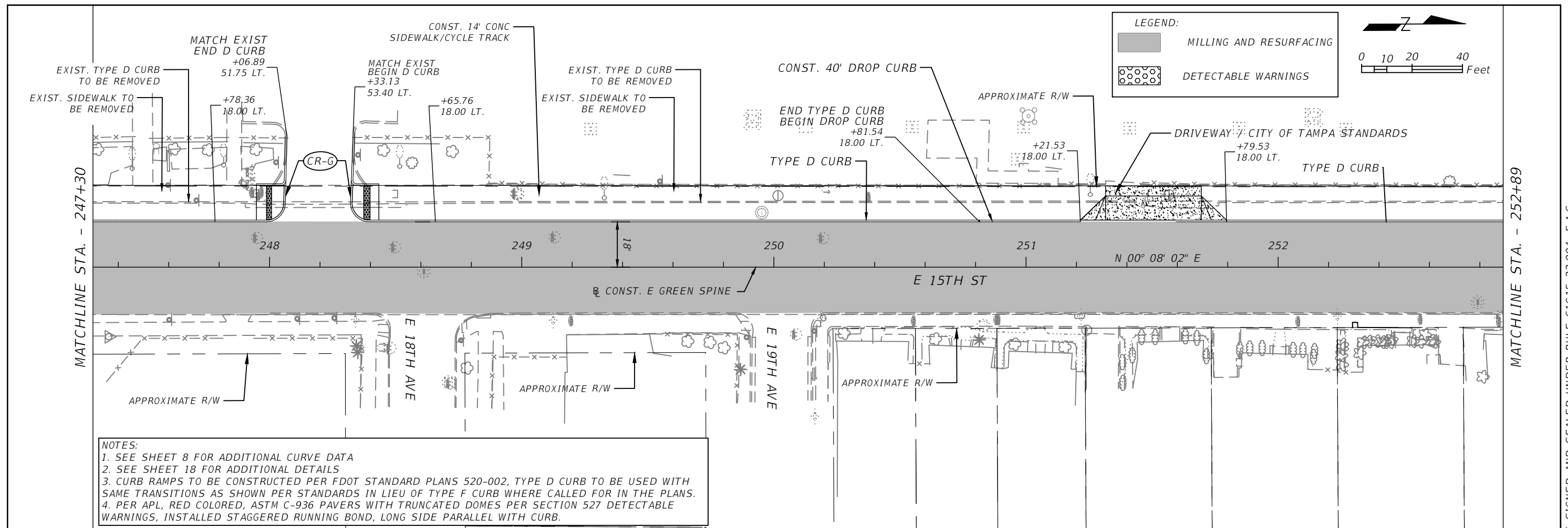
SHEET  
NO.  
  
10

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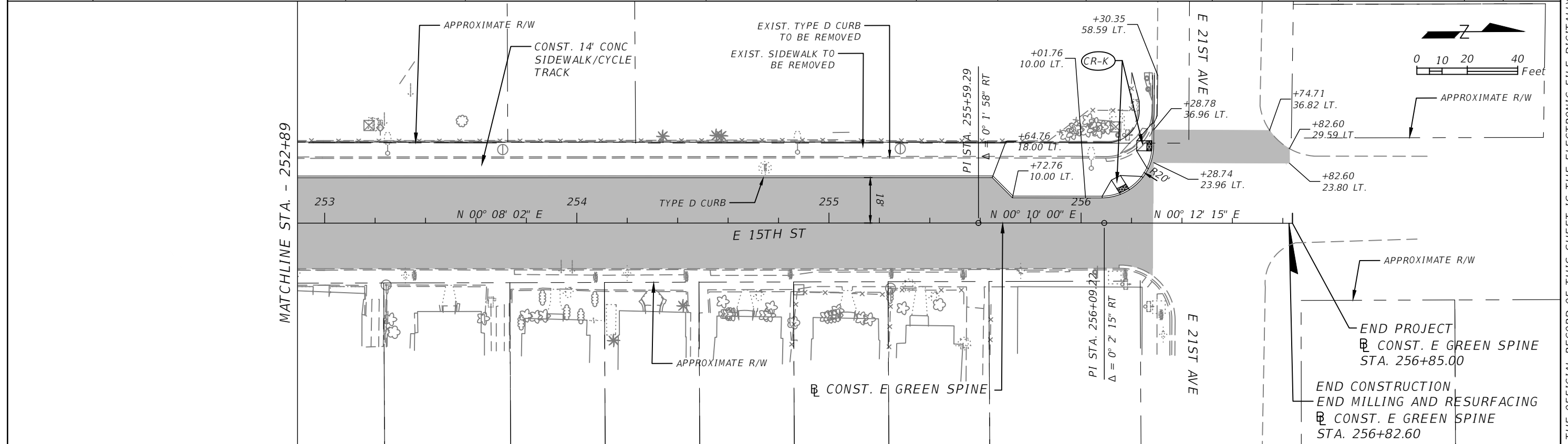


REVISIONS		DESCRIPTION	DATE
DATE	DESCRIPTION		

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

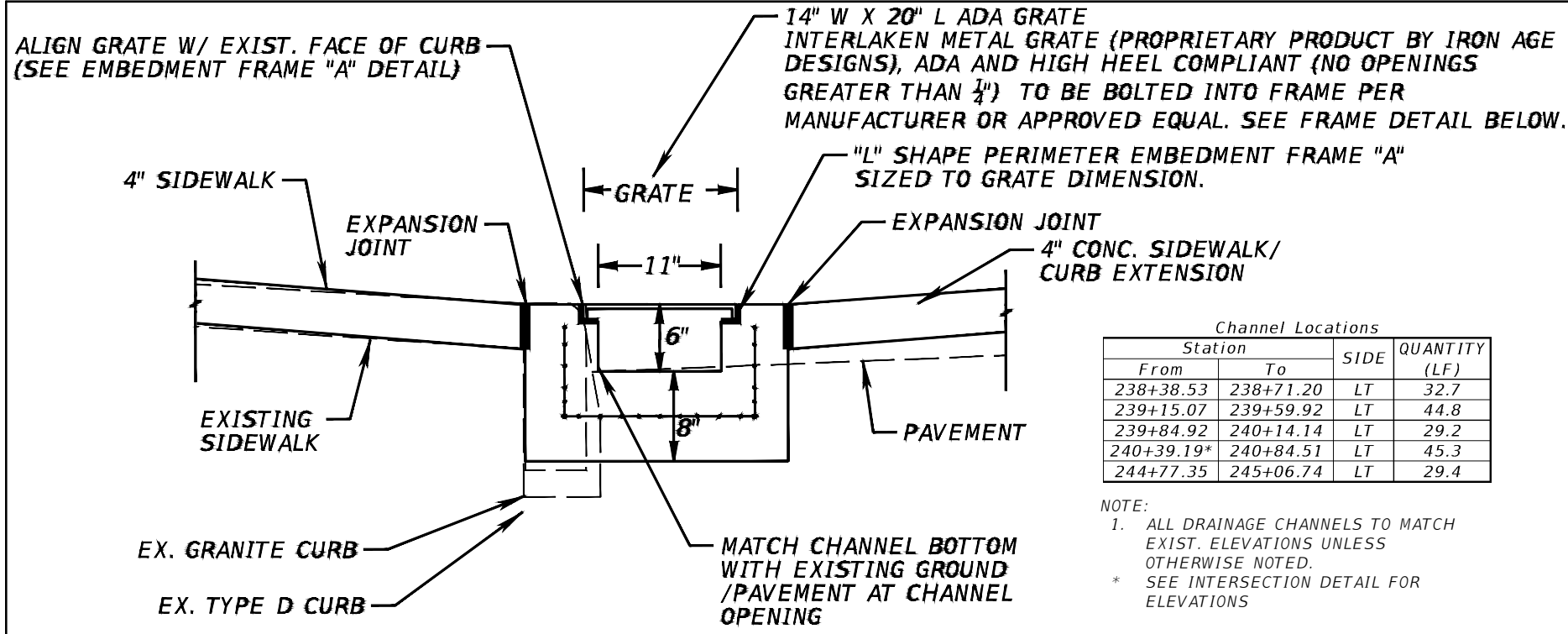


**NOTES:**  
 1. SEE SHEET 8 FOR ADDITIONAL CURVE DATA  
 2. SEE SHEET 18 FOR ADDITIONAL DETAILS  
 3. CURB RAMPS TO BE CONSTRUCTED PER FDOT STANDARD PLANS 520-002, TYPE D CURB TO BE USED WITH SAME TRANSITIONS AS SHOWN PER STANDARDS IN LIEU OF TYPE F CURB WHERE CALLED FOR IN THE PLANS.  
 4. PER APL, RED COLORED, ASTM C-936 PAVERS WITH TRUNCATED DOMES PER SECTION 527 DETECTABLE WARNINGS, INSTALLED STAGGERED RUNNING BOND, LONG SIDE PARALLEL WITH CURB.



REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			ROADWAY PLANS - (3)	SHEET NO. 12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
					HILLSBOROUGH	21-C-00022			

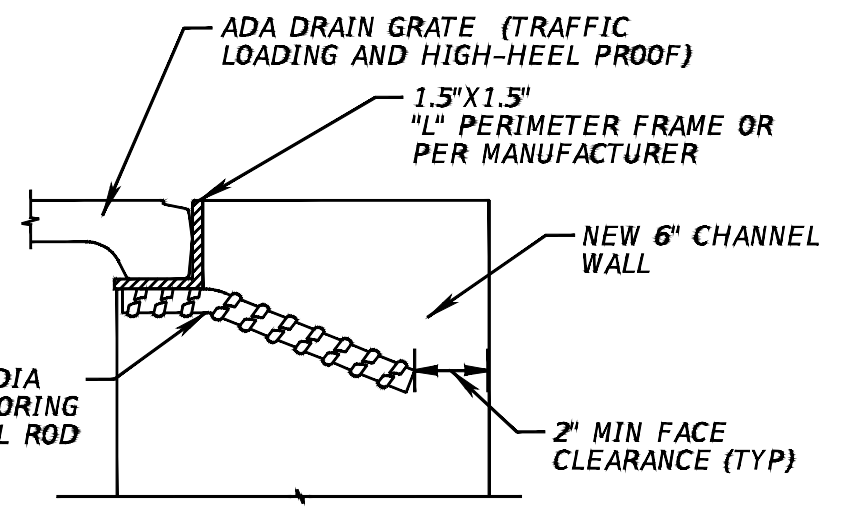
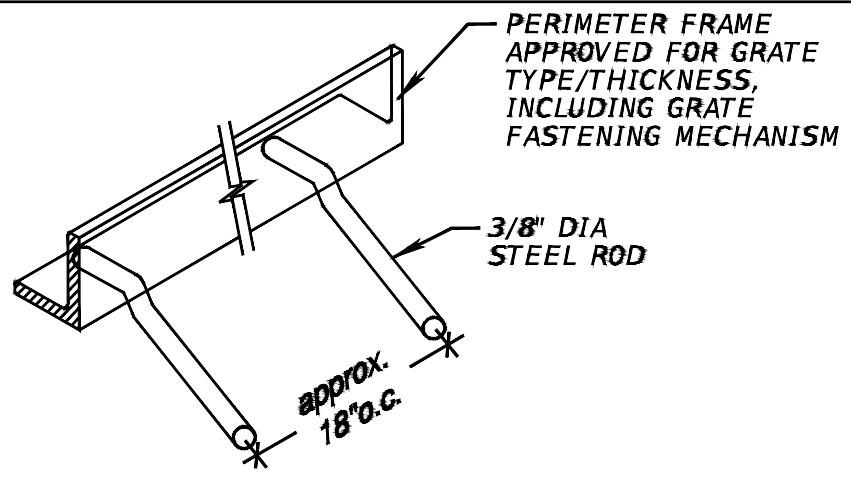
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



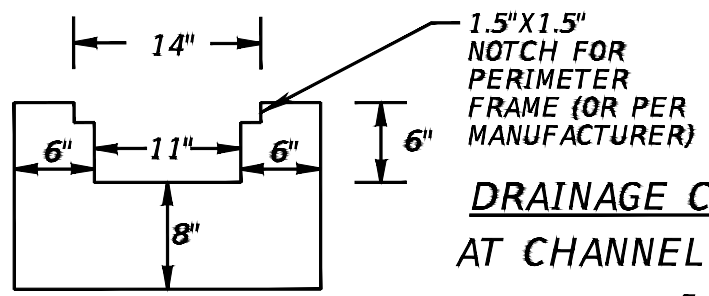
Channel Locations

Station		SIDE	QUANTITY (LF)
From	To		
238+38.53	238+71.20	LT	32.7
239+15.07	239+59.92	LT	44.8
239+84.92	240+14.14	LT	29.2
240+39.19*	240+84.51	LT	45.3
244+77.35	245+06.74	LT	29.4

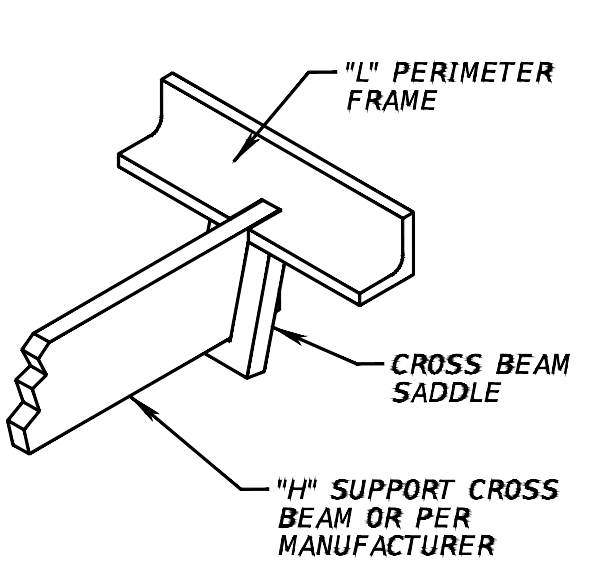
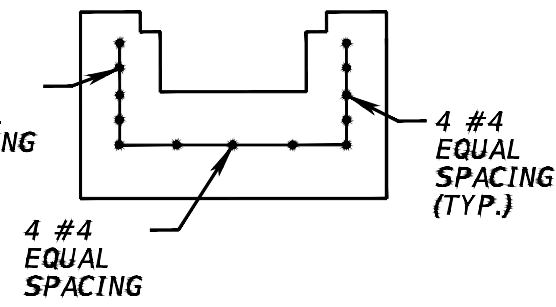
NOTE:  
 1. ALL DRAINAGE CHANNELS TO MATCH EXIST. ELEVATIONS UNLESS OTHERWISE NOTED.  
 \* SEE INTERSECTION DETAIL FOR ELEVATIONS



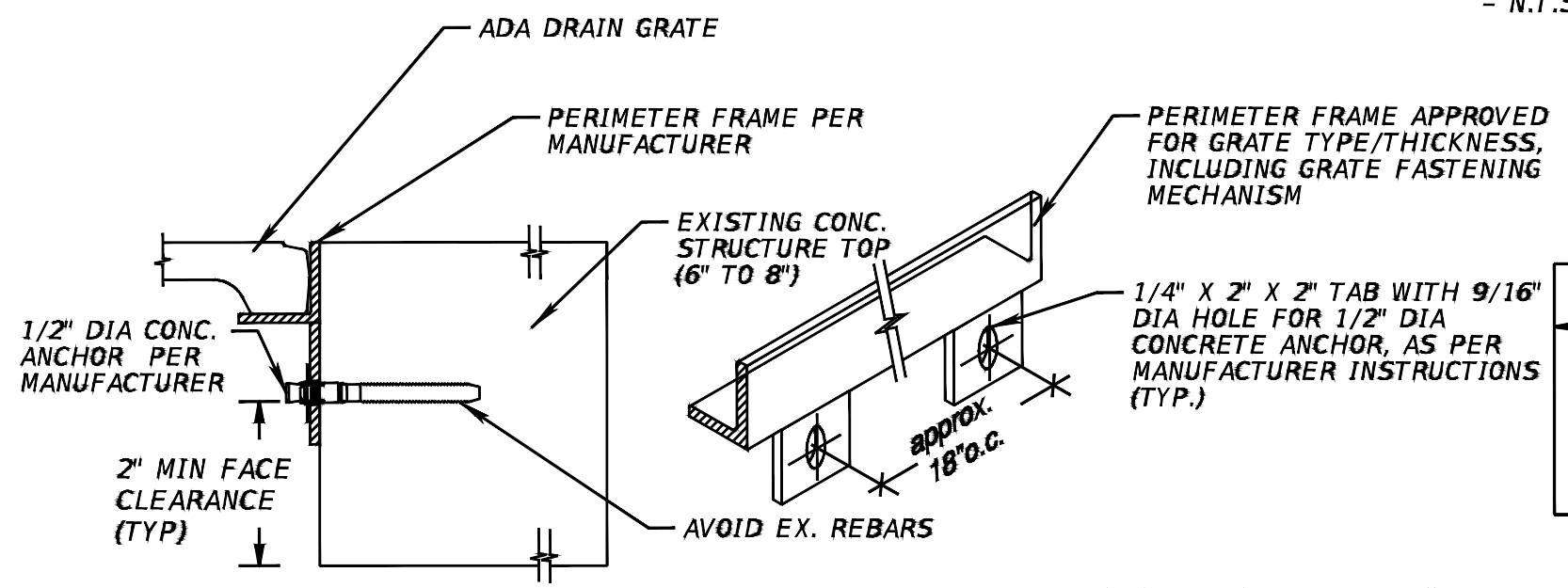
**EMBEDMENT FRAME "A" TO "NEW" CONCRETE**  
 - N.T.S. -



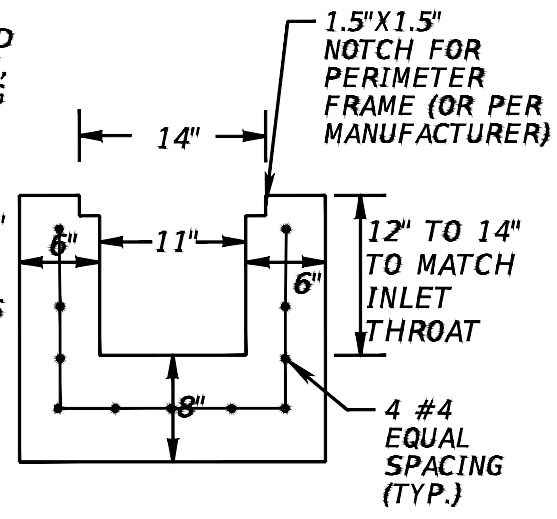
**DRAINAGE CHANNEL DETAIL (1)**  
 AT CHANNEL "DAYLIGHTING" END  
 - N.T.S. -



**REMOVABLE H-SUPPORT CROSS BEAM**  
 - N.T.S. -



**EMBEDMENT FRAME "B" TO "EXISTING" CONCRETE**  
 - N.T.S. -



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

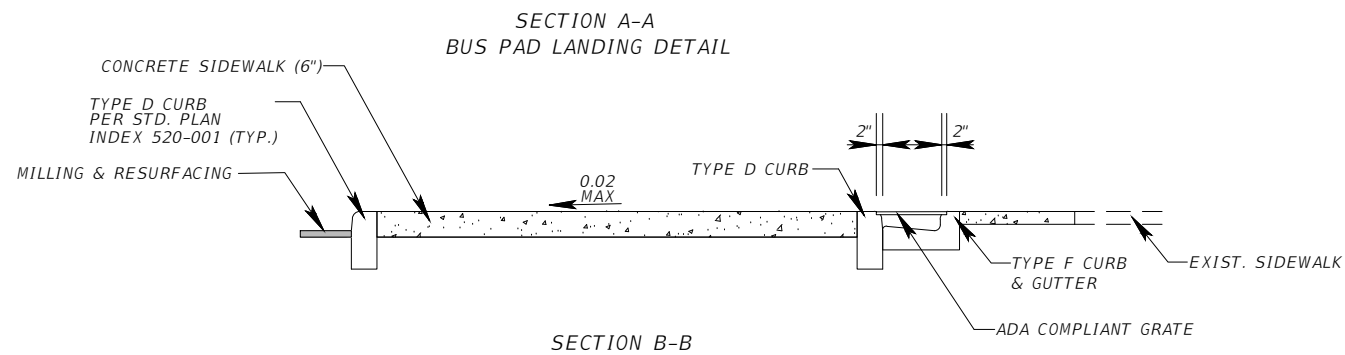
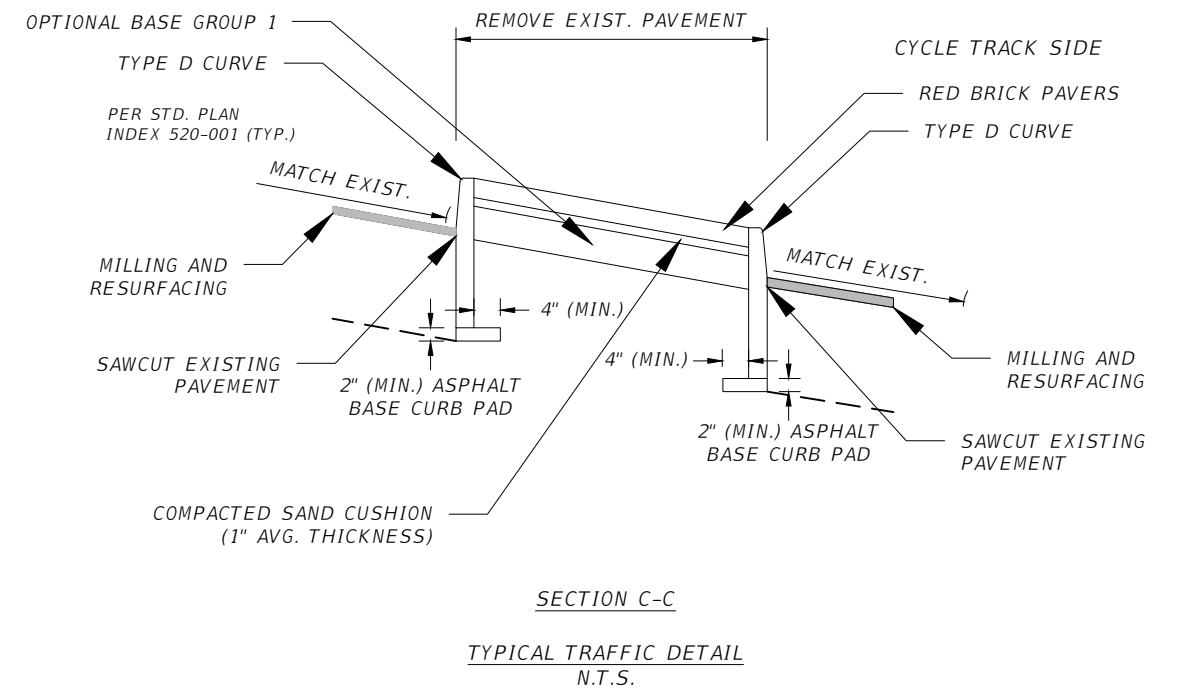
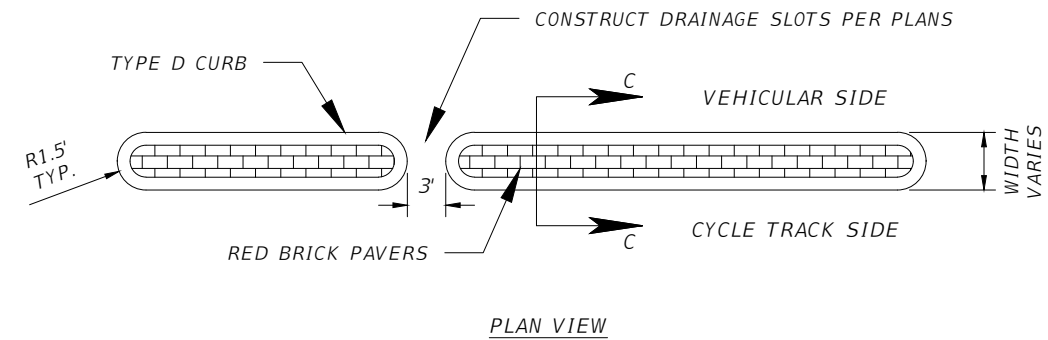
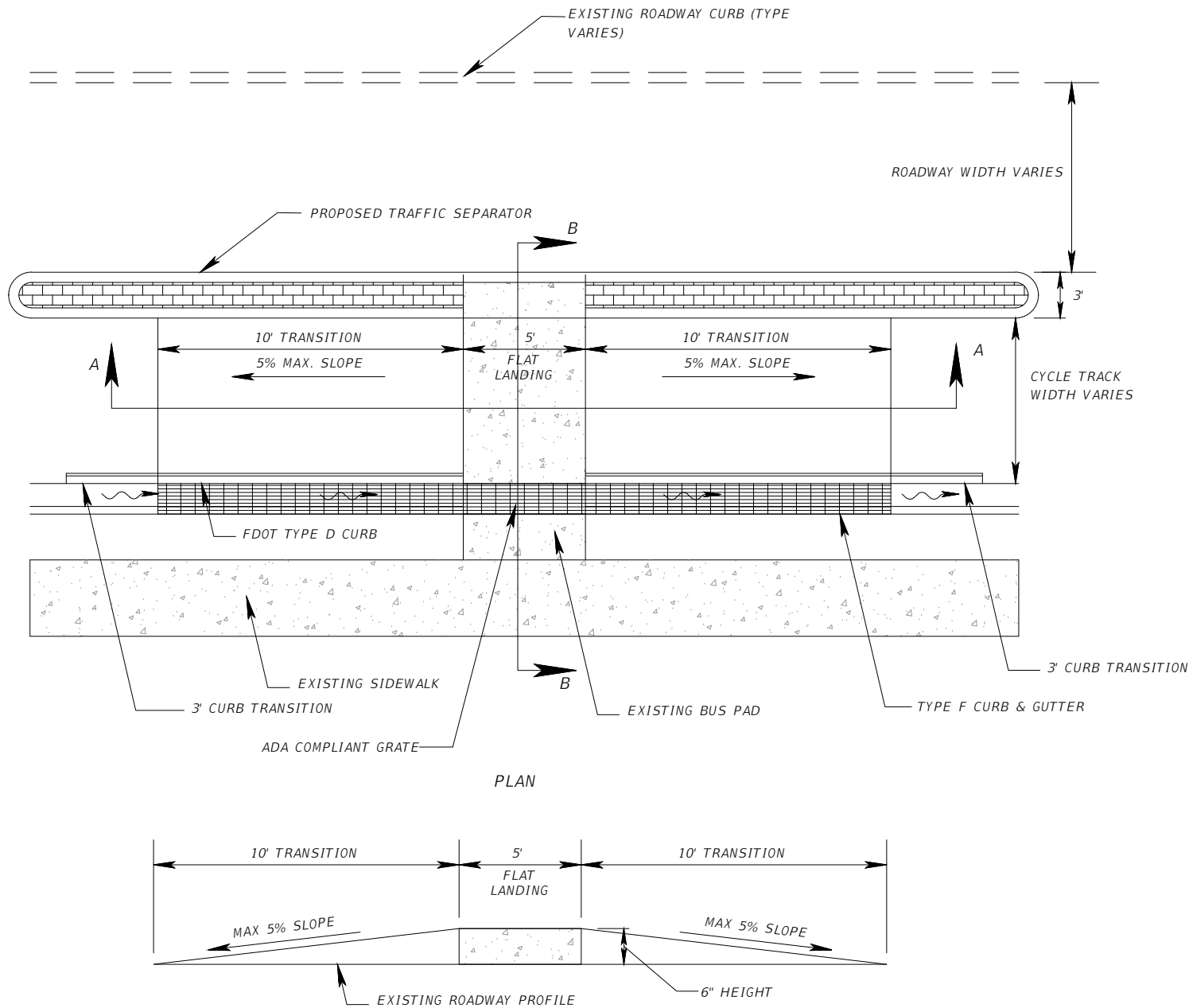
KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 CURT SPRUNGER, P.E. NO: 66524

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**DRAINAGE STRUCTURES**

SHEET NO.
13

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

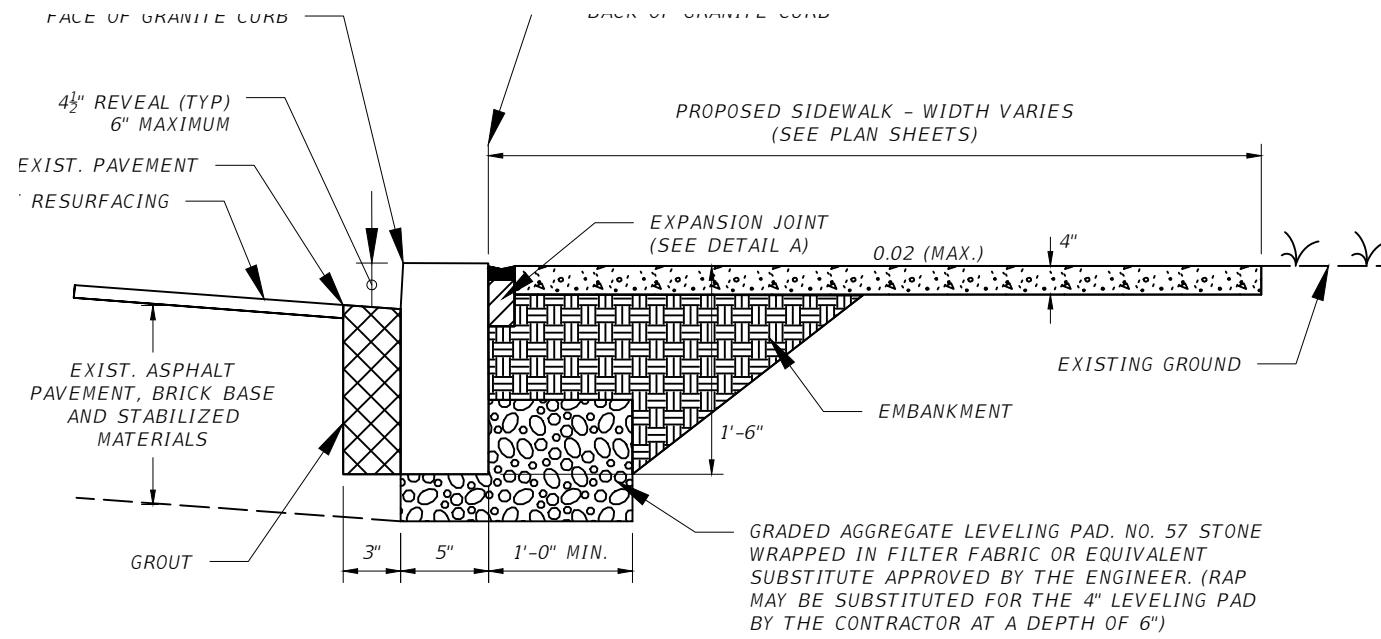
KISINGER CAMPO & ASSOCIATES CORP.  
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 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 CURT SPRUNGER, P.E. NO: 66524

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

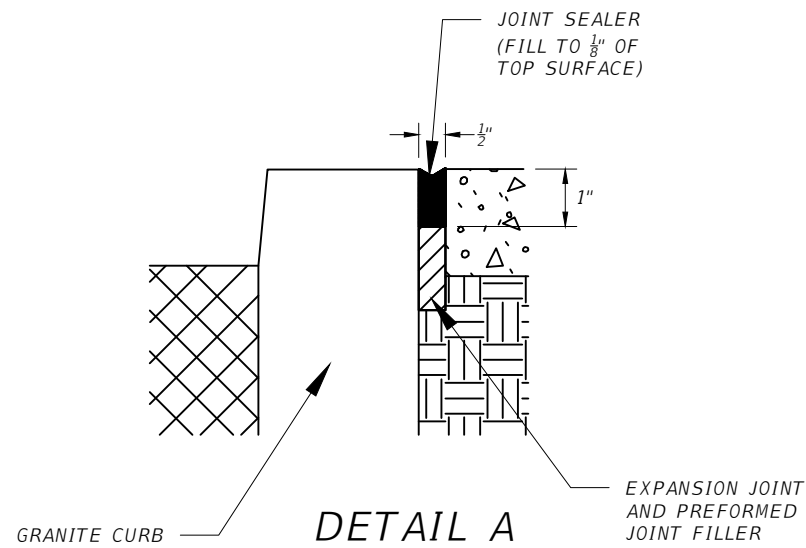
**SPECIAL DETAILS - (1)**

SHEET NO.  
14

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**RESETTING GRANITE CURB**



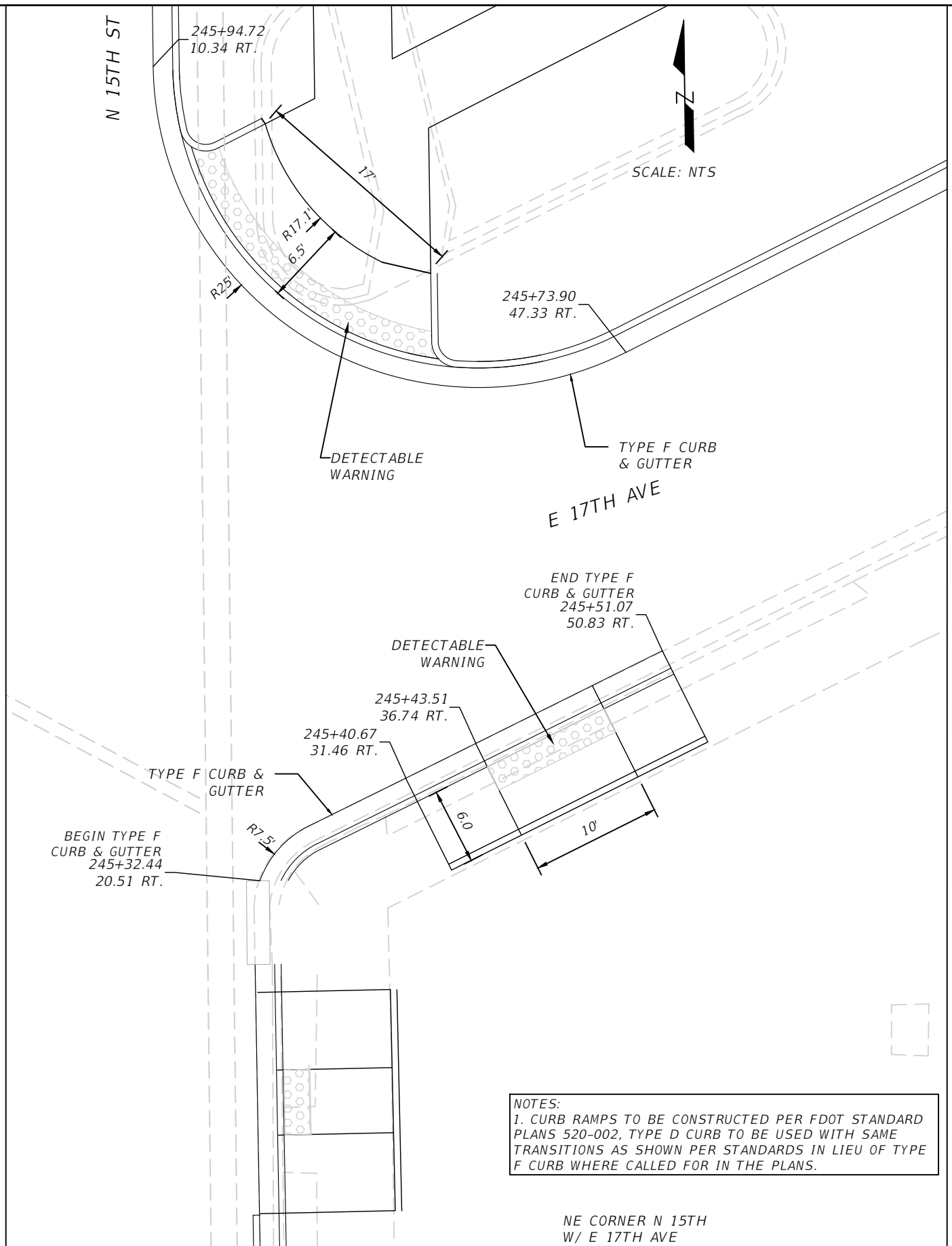
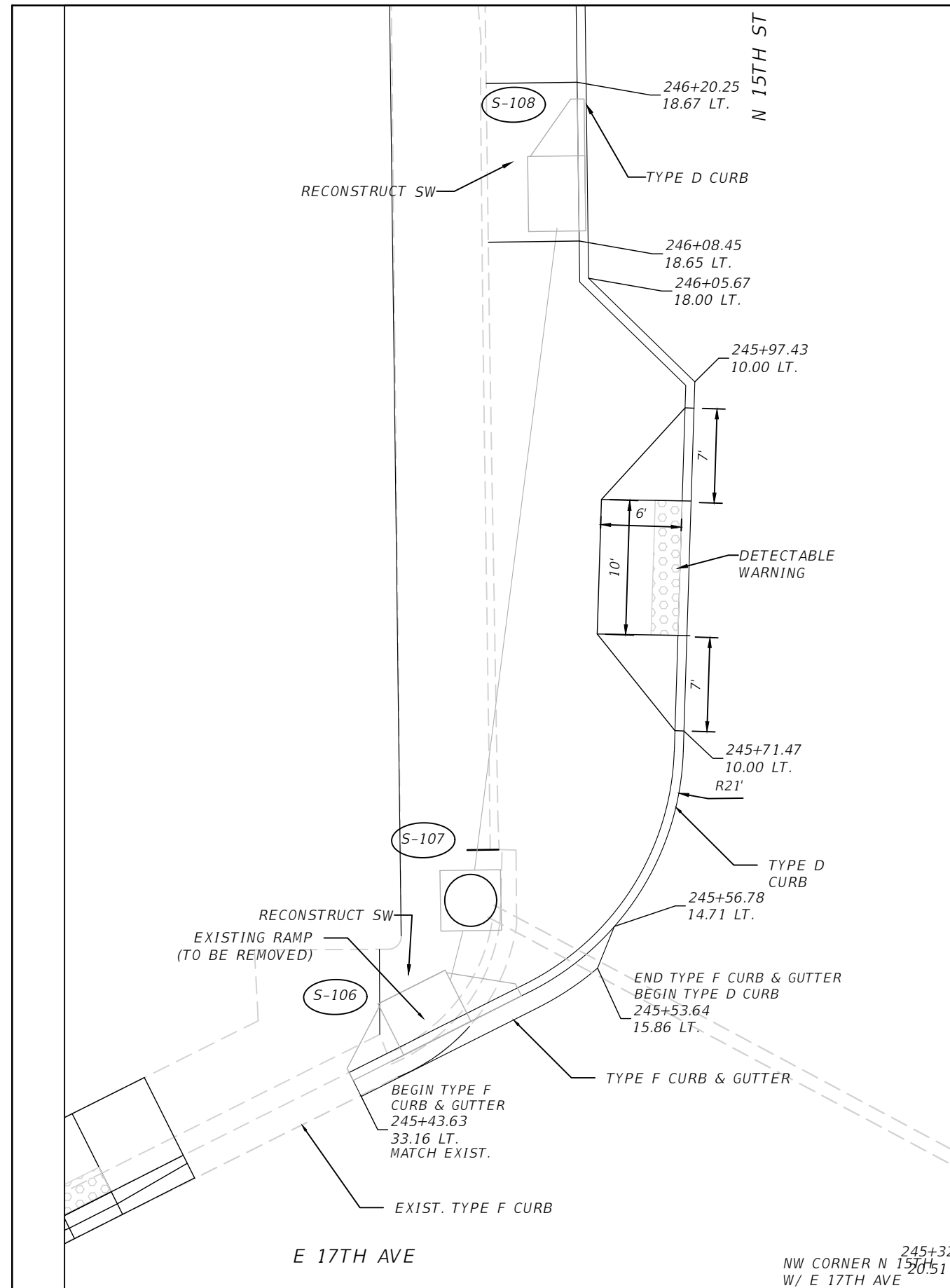
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**SPECIAL DETAILS - (2)**

SHEET NO.  
15



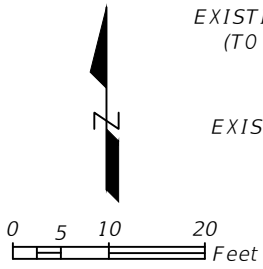
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
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 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**SPECIAL DETAILS - (3)**  
 SHEET NO.  
 16

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



EXISTING SIDEWALK  
(TO BE REMOVED)

EXISTING TYPE D CURB  
(TO BE REMOVED)

RECONSTRUCT SW

S-108

CR-K

ES-06

S-106

CR-C

END REGRADING  
STA. 245+10.98

N 15TH ST

N 15TH ST

ES-07

END TYPE F C&G  
+24.79

RECONSTRUCT SW

+20.14  
79.84 RT.  
MATCH EXIST.

BEGIN TYPE F  
C&G  
+16.27  
173.33 RT.

R232'

E 17TH AVE  
END REGRADING  
STA. 246+02.21

+05.67  
18.00 LT.

+08.45  
18.67 LT.

+20.25  
18.67 LT.

+44.94  
EOP

+48.15  
18.00 LT.  
45.03  
EOP

+56.78  
14.71 LT.

+71.47  
10.00 LT.

+78.47  
16.67 LT.

+88.47  
16.67 LT.

+92.64  
22.82 RT.

+95.47  
10.00 LT.

+99.08  
10.00 LT.

+44.94  
EOP

+44.76  
EOP

+44.70  
EOP

+44.87  
EOP

+44.76  
EOP

+44.46  
49.28 LT.

+36.86  
63.36 LT.

+29.33  
59.71 LT.

+37.13  
45.32 LT.

+43.61  
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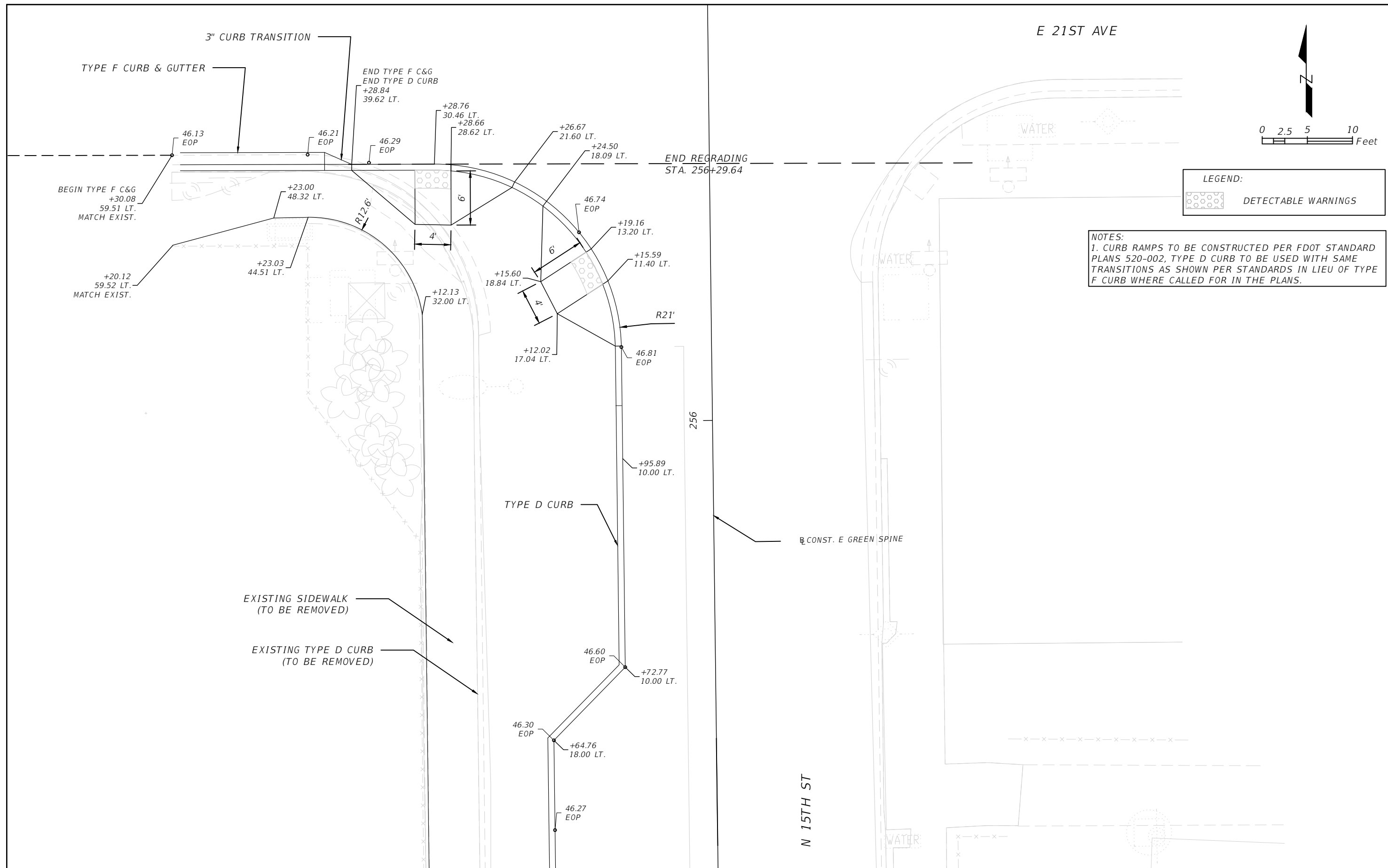
+92.85  
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10.00 RT.

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EOP





LEGEND:

 DETECTABLE WARNINGS

NOTES:  
 1. CURB RAMPS TO BE CONSTRUCTED PER FDOT STANDARD PLANS 520-002, TYPE D CURB TO BE USED WITH SAME TRANSITIONS AS SHOWN PER STANDARDS IN LIEU OF TYPE F CURB WHERE CALLED FOR IN THE PLANS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

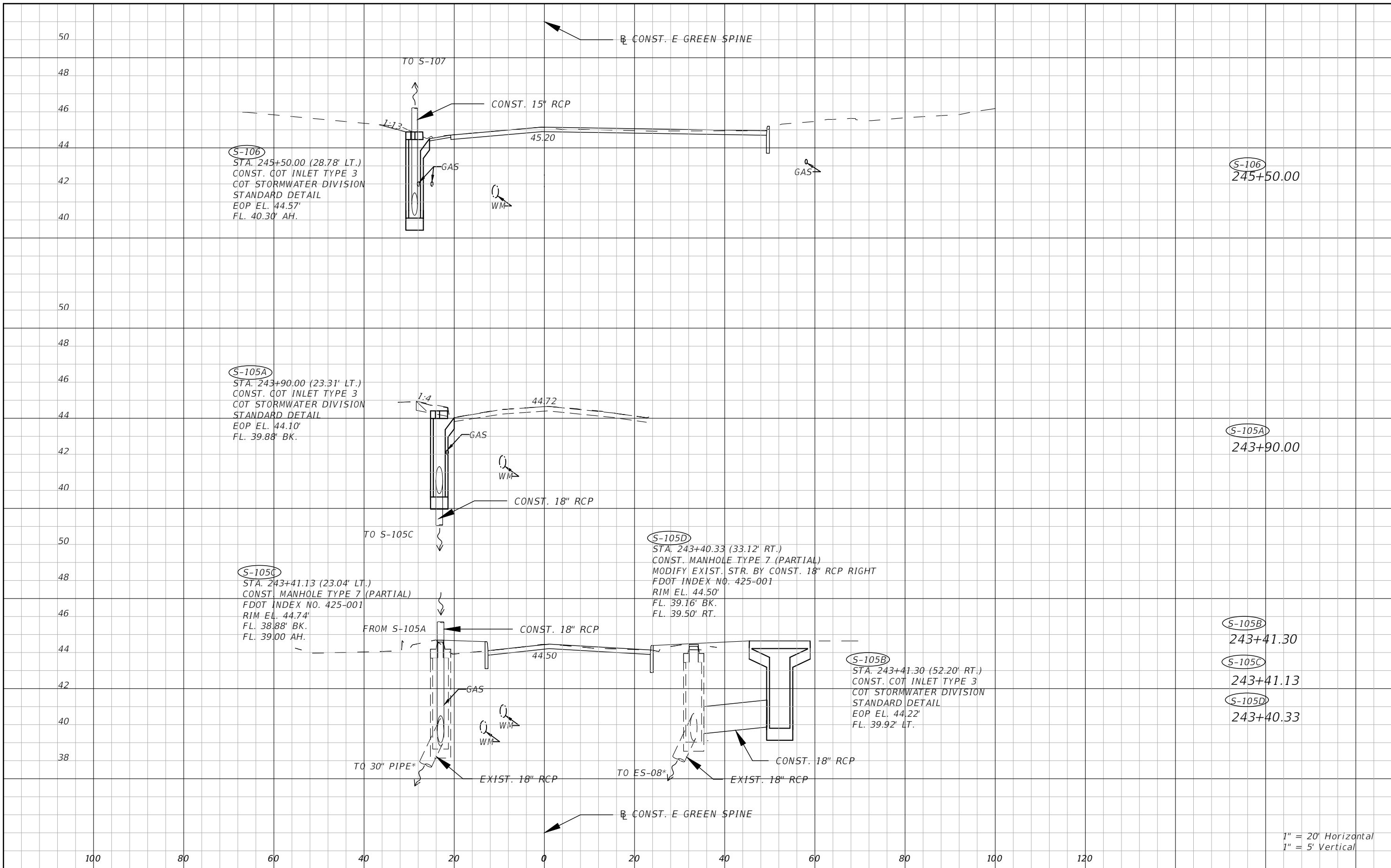
KISINGER CAMPO & ASSOCIATES CORP.  
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 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**INTERSECTION DETAILS - (2)**

SHEET NO.  
18

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



1" = 20' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

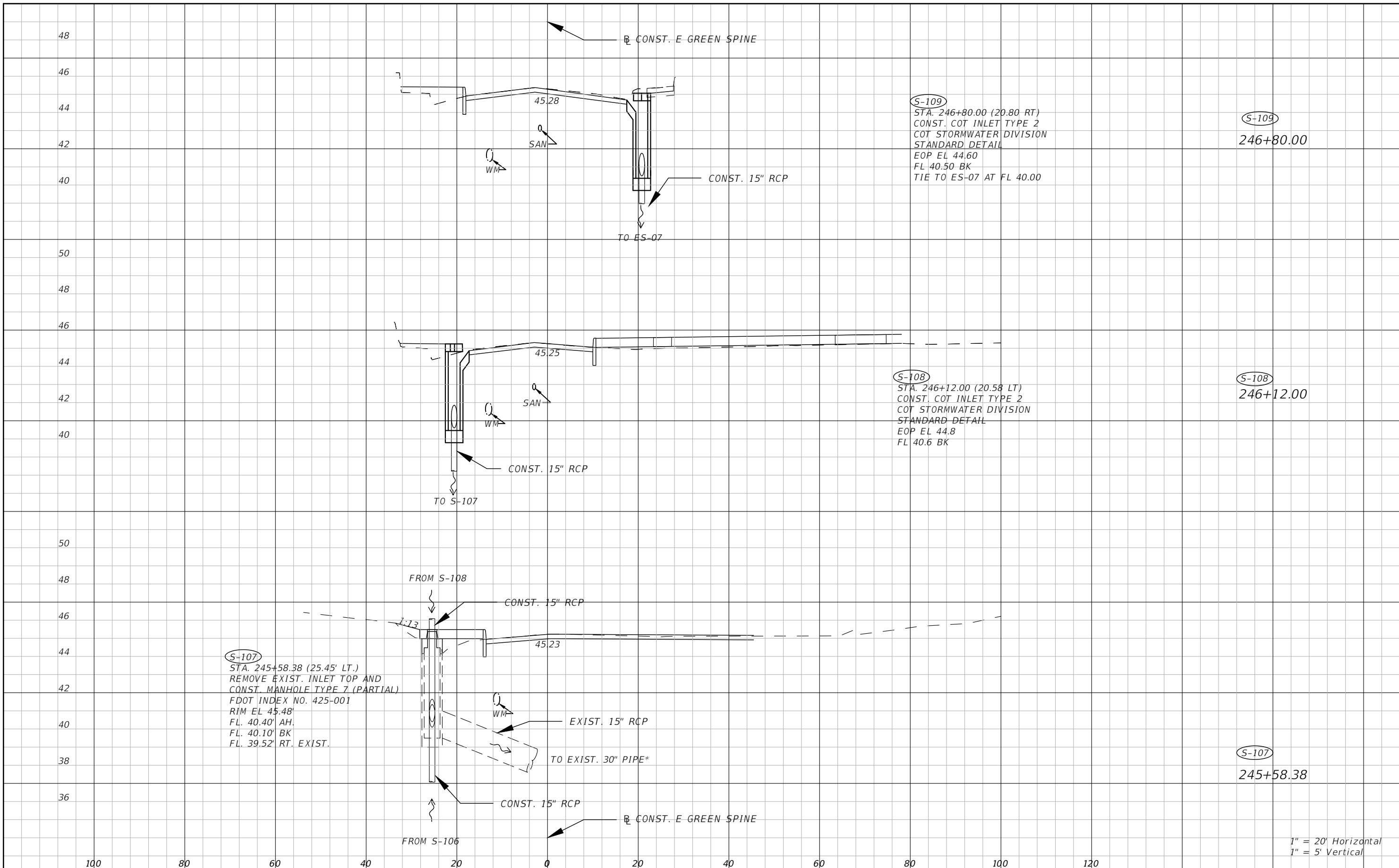
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 CURT SPRUNGER, P.E. NO: 66524

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**DRAINAGE STRUCTURES - (1)**

SHEET NO.  
19

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**S-107**  
 STA. 245+58.38 (25.45' LT.)  
 REMOVE EXIST. INLET TOP AND  
 CONST. MANHOLE TYPE 7 (PARTIAL)  
 FDOT INDEX NO. 425-001  
 RIM EL 45.48'  
 FL. 40.40' AH.  
 FL. 40.10' BK  
 FL. 39.52' RT. EXIST.

**S-109**  
 STA. 246+80.00 (20.80 RT)  
 CONST. COT INLET TYPE 2  
 COT STORMWATER DIVISION  
 STANDARD DETAIL  
 EOP EL 44.60  
 FL 40.50 BK  
 TIE TO ES-07 AT FL 40.00

**S-108**  
 STA. 246+12.00 (20.58 LT)  
 CONST. COT INLET TYPE 2  
 COT STORMWATER DIVISION  
 STANDARD DETAIL  
 EOP EL 44.8  
 FL 40.6 BK

**S-109**  
 246+80.00

**S-108**  
 246+12.00

**S-107**  
 245+58.38

1" = 20' Horizontal  
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
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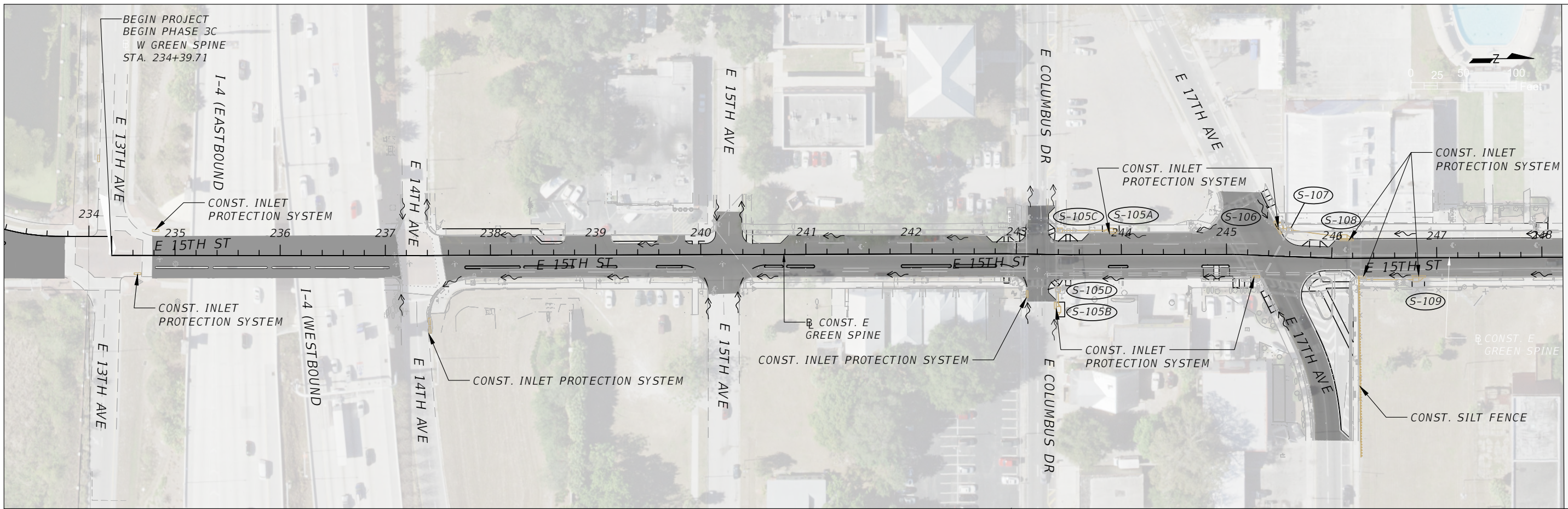
CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**DRAINAGE STRUCTURES -**  
**( 2 )**

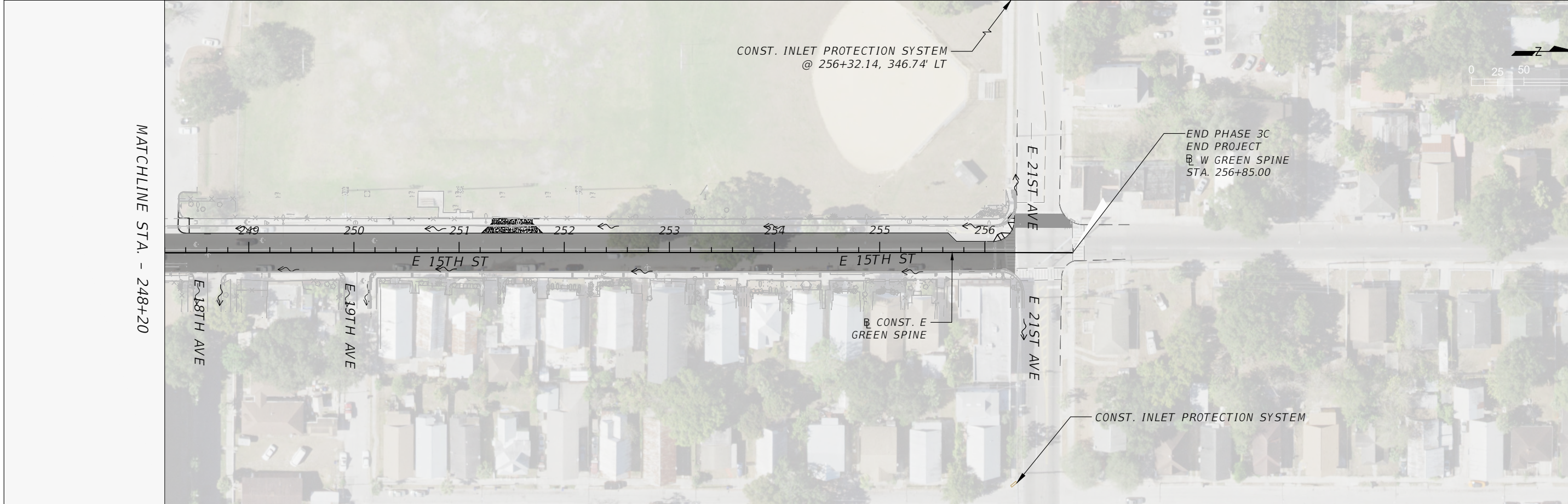
SHEET NO.
20

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MATCHLINE STA. - 248+20



MATCHLINE STA. - 248+20

REVISIONS			
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 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
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 CURT SPRUNGER, P.E. NO: 66524

CITY OF TAMPA  
 MOBILITY DEPARTMENT

ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

***EROSION CONTROL PLAN - (1)***

SHEET NO.  
21

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



I. SITE DESCRIPTION

A. CONSTRUCTION ACTIVITY

ACTIVITIES ON THIS PROJECT INCLUDE BUT ARE NOT LIMITED TO CONSTRUCTION OF A BI-DIRECTIONAL CYCLE TRACK ALONG NUCCIO PKWY, INTERSECTION GRADING FROM E 7TH AVENUE TO E 21ST AVENUE.

B. PROJECT LIMITS

THE PROJECT LIMITS ARE ALONG NUCCIO PKWY FROM E 13TH AVENUE TO E 21ST AVENUE.

C. PROJECT DESCRIPTION

THE CITY WILL CONSTRUCT A NEW BI-DIRECTIONAL CYCLE TRACK WITHIN THE PROJECT LIMITS. EXISTING ROADWAYS WILL BE SHARED WITH THE PROPOSED CYCLE TRACK. THE CYCLE TRACK WILL BE 8 TO 12 FEET WIDE SEPARATED FROM THE ROADWAY BY A TRAFFIC SEPARATOR.

D. MAJOR SOIL DISTURBING ACTIVITIES

CONSTRUCTION OF THE CYCLE TRACK, INTERSECTION GRADING AND STORMSEWER MODIFICATION.

E. TOTAL PROJECT LENGTH: 0.4 MILES

F. SOIL DATA

MAJOR SOIL GROUPS IN THE PROJECT LIMITS INCLUDE:

1. 77.5% URBAN LAND, 0 TO 2 PERCENT SLOPES (56)
2. 11.1% MYAKKA-URBAN LAND COMPLEX (32)
3. 4.9% IMMOKALEE-URBAN LAND COMPLEX (22)
4. 3.4% WATER (99)
5. 3.1% TAVARES-URBAN LAND COMPLEX, 0 TO 5 PERCENT SLOPES (55)

H. DRAINAGE AREA: 4.2 AC

I. RECEIVING WATERS

EXISTING STORMSEWER SYSTEMS (HILLSBOROUGH RIVER AND TAMPA BAY)

J. WETLANDS AREAS

NO WETLAND IMPACTS

II. CONTROLS

ALL CONTROLS SHALL BE CONSISTENT WITH PERFORMANCE STANDARDS FOR EROSION AND SEDIMENT CONTROL AND STORM-WATER TREATMENT SET FORTH IN RULE 62-40.432, F.A.C., THE APPLICABLE STORM-WATER OR ENVIRONMENTAL RESOURCE PERMITTING REQUIREMENTS OF THE DEPARTMENT OR A WATER MANAGEMENT DISTRICT AND THE GUIDELINES CONTAINED IN THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (DEP. 1988) AND ANY SUBSEQUENT AMENDMENTS.

A. SEQUENCE OF MAJOR ACTIVITIES

1. INSTALL INLET PROTECTION AS SHOWN ON THE EROSION AND SEDIMENT (E&S) PLAN AND CONSTRUCTION DRAWING.
2. INSTALL SILT FENCE.
3. STABILIZE, MAINTAIN, AND REPLACE E&S AS DIRECTED BY THE ENGINEER.
4. PERFORM WEEKLY INSPECTION OF E&S AND AFTER EVERY 1/2" RAINFALL.
5. REMOVE ALL SEDIMENTS THAT HAVE MIGRATED OFF SITE AS DIRECTED BY THE ENGINEER.
6. WHEN CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE EROSION PROTECTION DEVICES.

B. EROSION AND SEDIMENT CONTROL CONSTRUCTION ACTIVITIES

THE CONTRACTOR IS REQUIRED TO REVIEW THE SITE SPECIFIC EROSION CONTROL PLAN. THE CONTRACTOR MAY ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS OR SITE CONDITIONS. CONTRACTOR WILL COMPLY WITH E & S PLAN. ANY MODIFICATIONS TO THIS PLAN MUST BE SIGNED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR. THE EROSION CONTROL DEVICES, DETAILS, AND NOTES APPLICABLE TO THESE ACTIVITIES ARE SPECIFIED IN THE PLANS. THE PROJECT ENGINEER IS RESPONSIBLE FOR DETERMINING IF ADDITIONAL CONTROLS ARE THE PROJECT ENGINEER MAY REQUIRE ADDITIONAL CONTROLS TO MEET STANDARDS AND REGULATIONS.

PERFORM DAILY INSPECTION OF EROSION AND SEDIMENT CONTROLS AFTER EVERY 1/2" RAINFALL

REMOVE ALL SEDIMENTS THAT HAVE MIGRATED OFF SITE AS DIRECTED BY THE ENGINEER

C. STABILIZATION PRACTICES

DURING CONSTRUCTION THE CONTRACTOR WILL PROVIDE STABILIZATION FOR AREAS WHICH HAVE BEEN CLEARED AND NOT REWORKED WITHIN FOURTEEN (14) CALENDAR DAYS. THE CONTRACTOR MAY UTILIZE TEMPORARY SEEDING OR TEMPORARY SODDING IN ACCORDANCE WITH SECTION 570 OF THE "FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

- TEMPORARY SODDING
- TEMPORARY GRASSING
- PERMANENT SODDING OR SEEDING
- PRESERVATION OF NATURAL RESOURCES
- BUFFER ZONES

D. STRUCTURAL PRACTICES

- SYNTHETIC BALES (LF)
- ARTIFICIAL COVERINGS/ ROLLED EROSION CONTROL PRODUCTS (SY)
- INLET PROTECTION SYSTEM (EA)
- LITTER REMOVAL AND DISPOSAL (AC)
- MOWING (AC)
- SLOPE DRAINS (TEMPORARY)/ RUNOFF CONTROL STRUCTURES (LF)
- SOIL TRACKING PREVENTION DEVICE (EA)
- SEDIMENT BASINS/CONTAINMENT SYSTEMS (EA)
- SEDIMENT BASIN/ CONTAINMENT SYSTEM CLEANOUT (EA)
- FLOATING TURBIDITY BARRIER (LF)
- STAKED SILT FENCE (LF)
- CHEMICAL TREATMENT - POWDERED (SY)
- CHEMICAL TREATMENT (FLOC LOGS, DRUMS OF PRODUCT) (EA)

E. DESCRIPTION OF STORM WATER MANAGEMENT

WHERE NO PROPOSED STORMWATER SYSTEMS EXIST STORMWATER WILL DISCHARGE INTO EXISTING SYSTEMS AND SWALES. PROPOSED STORMSEWER SHALL BE CONSTRUCTED DURING THE INITIAL PHASE AND BE USED DURING CONSTRUCTION. THE OUTFALL STRUCTURES ARE TO BE PROTECTED WHEN TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS OR PERMANENT STORMWATER MANAGEMENT FACILITIES ARE USED FOR EROSION AND SEDIMENT CONTROL TO PREVENT DOWNSTREAM SEDIMENTATION.

F. SANITARY WASTE

FDOT STANDARD SPEC. FOR ROAD AND BRIDGE CONSTRUCTION" SECTION 7 - 6 "SANITARY PROVISIONS. "THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN A NEAT AND SANITARY CONDITION, SUCH ACCOMMODATION FOR THE USE OF HIS EMPLOYEES AS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE STATE AND LOCAL BOARDS OF HEALTH. COMMIT NO PUBLIC NUISANCE."

G. HAZARDOUS WASTE

THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE CITY IN WRITING IF ANY HAZARDOUS WASTE MATERIAL IS ENCOUNTERED DURING SITE INVESTIGATION OR CONSTRUCTION.

THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR NOTIFYING THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) WITHIN 24 HOURS OF THE DISCOVERY.

ALL HAZARDOUS WASTE MATERIALS, IF ENCOUNTERED, WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND FEDERAL REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

IN CASE OF DISPOSING ANY HAZARDOUS WASTE MATERIAL FOLLOWING LOCAL, STATE, AND FEDERAL REGULATIONS, A COPY OF DISPOSAL MANIFEST HAS TO BE PROVIDED TO THE CITY IN TIMELY FASHION.

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.

NINA MABILLEAU DATE  
CITY OF TAMPA TRANSPORTATION AND STORMWATER SERVICES

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

A. WATER QUALITY MONITORING (MIXING ZONES)

THE WATER THAT WILL BE SAMPLED FOR STATE WATER QUALITY STANDARDS FOR CONSTRUCTION ACTIVITIES PROHIBIT A TURBIDITY INCREASE OF GREATER THAN 29 NTU'S ABOVE AMBIENT CONDITIONS AT THE COMPLIANCE LOCATION OF THE MIXING ZONES. TO MAINTAIN THIS STANDARD, TURBIDITY MONITORING SHALL OCCUR DURING ALL IN-WATER CONSTRUCTION ACTIVITIES AT EACH COMPLIANCE AND BACKGROUND STATION. THE FOLLOWING PROCEDURE SHALL BE USED:

FREQUENCY: TWICE A DAY, AT LEAST 4 HOURS APART DURING FREQUENCY OF ACTUAL CONSTRUCTION OPERATIONS.

LOCATIONS: ALL STATIONS SHALL BE SAMPLED AT 2 FEET ABOVE LOCATIONS THE BOTTOM, AT MID-DEPTH, AND AT THE SURFACE, OR AS DIRECTED BY PERMITTING AGENCIES. IF WATER IS LESS THAN THREE FEET DEEP, ONLY MID-DEPTH SAMPLES ARE REQUIRED.

BACKGROUND: 500 FEET UP-CURRENT FROM THE CONSTRUCTION BACKGROUND ACTIVITY AND OUTSIDE OF ANY TURBIDITY PLUME FROM THE CONSTRUCTION ACTIVITY.

COMPLIANCE: 300 FEET DOWN CURRENT FROM THE CONSTRUCTION COMPLIANCE ACTIVITY WITHIN ANY VISIBLE TURBIDITY PLUME, OR AS DIRECTED BY PERMITTING AGENCIES.

METHOD: ALL SAMPLES SHALL BE COLLECTED WITH A KEMMERER, VAN DORN METHOD, OR SIMILAR SAMPLER WHICH IS DESIGNED TO COLLECT IN SITU WATER SAMPLES.

REPORTING: ALL MONITORING DATA SHALL BE SUBMITTED WITHIN ONE REPORTING WEEK OF ANALYSIS WITH DOCUMENTS CONTAINING THE FOLLOWING INFORMATION:

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: CURT SPRUNGER, P.E. NO: 66524	CITY OF TAMPA MOBILITY DEPARTMENT			STORMWATER POLLUTION PREVENTION PLAN (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
						HILLSBOROUGH	21-C-00022		

1. PERMIT NUMBER
2. DATES OF SAMPLING AND ANALYSIS
3. LOCATION OF SAMPLE (I.E., STATION AND WATER COLUMN LOCATION)
4. A STATEMENT DESCRIBING THE METHODS USED IN COLLECTION, HANDLING, STORAGE, AND ANALYSIS OF THE SAMPLES
5. A MAP INDICATING THE SAMPLING LOCATIONS
6. STATEMENT, BY THE INDIVIDUAL RESPONSIBLE FOR IMPLEMENTATION OF THE SAMPLING PROGRAM, CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF DATA.

MONITORING REPORTS SHALL INCLUDE INFORMATION ON THE GENERAL ANTECEDENT WEATHER CONDITIONS.

IF MONITORING REVEALS VIOLATIONS OF THE STATE WATER QUALITY STANDARD FOR TURBIDITY, CONSTRUCTION ACTIVITIES SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TURBIDITY HAS RETURNED TO ACCEPTABLE LEVELS. ANY SUCH OCCURRENCE SHALL ALSO BE IMMEDIATELY REPORTED TO THE REGULATORY AGENCIES. IN THE EVENT THAT STATE WATER QUALITY STANDARDS ARE NOT ATTAINED, THE CONTRACTOR SHALL IMPLEMENT A CONTINGENCY PLAN WHICH COMPLIES WITH THE PROJECT SWFWMD/FDEP ERP AND CITY OF TAMPA NPDES REQUIREMENTS AT NO ADDITIONAL COST TO THE COUNTY. ANY FINES SHALL BE RESPONSIBILITY OF THE CONTRACTORS.

K. APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS

SWFWMD PERMIT EXEMPTION, FILE NUMBER 785609.

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 RAIN FALL. 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)
- UNCONTAMINATED GROUNDWATER FROM DE-WATERING ACTIVITIES

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 EXTEND OF THE CONTAMINATION.

PERMITEE 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.

\_\_\_\_\_  
NINA MABILLEAU, E.I. DATE  
CITY OF TAMPA TRANSPORTATION AND STORMWATER SERVICES

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

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: CURT SPRUNGER, P.E. NO: 66524	CITY OF TAMPA MOBILITY DEPARTMENT			STORMWATER POLLUTION PREVENTION PLAN (2)	SHEET NO.  23
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
					HILLSBOROUGH	21-C-00022			

**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 I OR II 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 CITY OF TAMPA PARKING DIVISION SHALL BE NOTIFIED A MINIMUM OF 7 DAYS IN ADVANCE OF ANY PARKING SPACE CLOSURE. PHONE: (813) 274-8179
9. 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
10. THE UNIVERSITY OF TAMPA SENIOR PROJECT MANAGER FOR DESIGN AND CONSTRUCTION SERVICES SHALL BE CONTACTED FOR CONSTRUCTION COORDINATION OF THE UNIVERSITY OF TAMPA ACCESS POINTS.
11. PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (PCMS) SHALL BE PLACED 500 FT. IN ADVANCE OF THE WORK ZONE FOR A PERIOD OF SEVEN DAYS PRIOR TO THE FIRST DAY OF ROADWAY CONSTRUCTION. MESSAGES SHOULD READ:

MESSAGE 1	MESSAGE 2
NUCCIO PKWY CONST	BEGINS "BEGIN DATE"
MESSAGE 1	MESSAGE 2
E 12TH AVE CONST	BEGINS "BEGIN DATE"
MESSAGE 1	MESSAGE 2
N 15TH ST CONST	BEGINS "BEGIN DATE"

TWO WEEKS PRIOR TO WEEKEND LANE CLOSURES, THE MESSAGE FOR THE PCMS SHALL READ (UNLESS OTHERWISE DIRECTED BY THE ENGINEER):

MESSAGE 1	MESSAGE 2
WEEKEND LANE CLOSURE	FRI PM TO MON AM

**PHASE I NOTES:**

THE INTENT OF THIS PHASE IS TO CONSTRUCT DRAINAGE, SIGNALIZATION AND ROADSIDE IMPROVEMENTS ALONG N 15TH ST.

1. PLACE ADVANCE WARNING TRAFFIC CONTROL DEVICES AS SHOWN IN THE ADVANCED WARNING LAYOUT DETAIL AND AS SHOWN IN STANDARD PLANS FOR ROAD CONSTRUCTION (102 SERIES).
2. USE STANDARD PLANS 102-613, 102-615, 102-660 TO CONSTRUCT THE PROPOSED DRAINAGE, CURB, SIDEWALK, DRIVEWAYS AND SIGNALIZATION. EXCEPT THE PROPOSED CYCLE TRACK SEPARATOR AND BICYCLE SIGNALS TO BE PLACED ON THE SEPARATOR.

**PHASE II NOTES:**

THE INTENT OF THIS PHASE IS TO MILL AND RESURFACE THE ROADWAY AND CONSTRUCT THE CYCLE TRACK SEPARATOR.

1. USE STANDARD PLANS 102-613, 102-615, 102-620, 102-625 AND 102-628 TO MILL AND RESURFACE THE PAVEMENT BETWEEN THE NORTHERN CURB LINE AND THE NORTHERN EDGE OF THE PROPOSED CYCLE TRACK SEPARATOR. 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. PLACE TEMPORARY LANE PAVEMENT MARKINGS IN THE EXISTING CONFIGURATION. PLACE CROSSWALK AND STOP BAR MARKINGS IN THE FINAL CONFIGURATION.

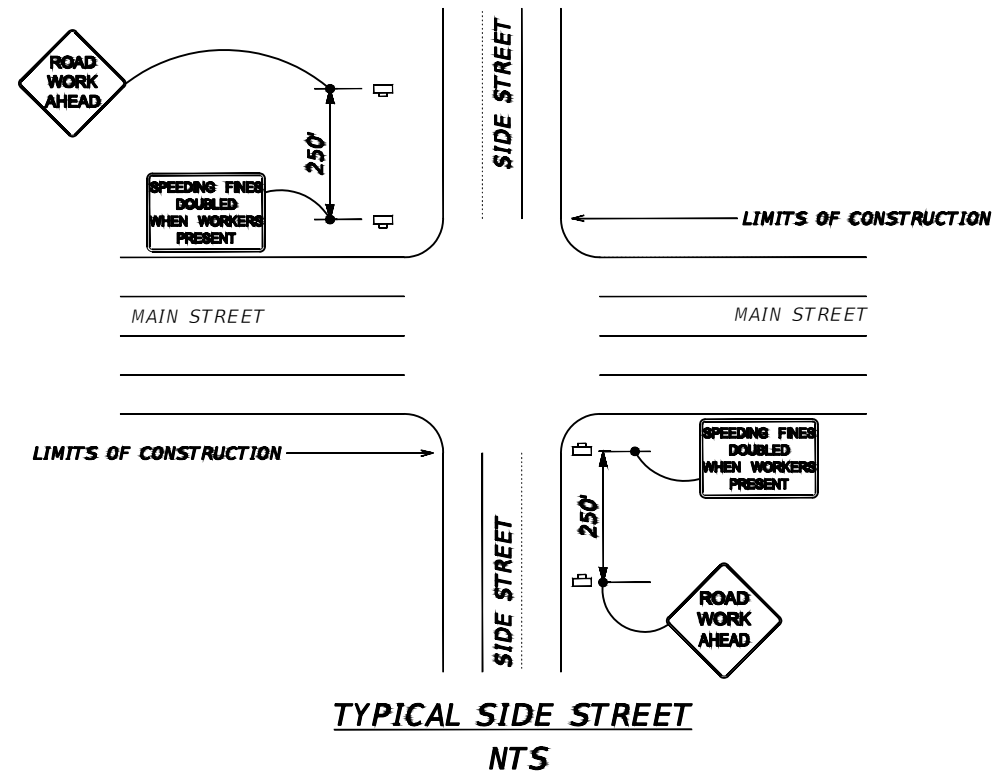
PERFORM THE FOLLOWING WORK IN TWO-BLOCK SEGMENTS AT A TIME:

3. PERMANENTLY CLOSE THE EXISTING OUTSIDE TRAVEL LANE AND ADJACENT PARKING LANE. PLACE TEMPORARY 6" WHITE PAVEMENT MARKINGS ALONG THE NORTHERN EDGE OF THE EXISTING CENTER LANE.
4. USE STANDARD PLANS 102-613, 102-615, 102-620, 102-625 AND 102-628 TO MILL THE PAVEMENT BETWEEN THE SOUTHERN CURB LINE AND THE EDGE OF THE PROPOSED CYCLE TRACK SEPARATOR. LEVEL THE JOINTS BETWEEN ALL UNMILLED PAVEMENT AND THE RESURFACED PAVEMENT TO ELIMINATE THE DIFFERENCE IN ELEVATION.
5. USE STANDARD PLAN 102-613 TO SAW CUT AND REMOVE THE EXISTING PAVEMENT AND ANY BRICK BASE IN THE AREA OF THE CYCLE TRACK SEPARATOR. CONSTRUCT THE PROPOSED SEPARATOR CURB LINE AND PLACE THE PROPOSED BICYCLE SIGNAL HEADS UNTIL THE CYCLE TRACK OPENS.
6. RESURFACE THE MILLED PAVEMENT USING STANDARD PLANS 102-613, 102-615, 102-620 AND 102-625.
7. PLACE TEMPORARY CROSSWALK AND STOP BAR PAVEMENT MARKINGS IN THE FINAL CONFIGURATION.
8. PLACE FINAL PAVEMENT MARKINGS (THERMO).
9. UNCOVER BICYCLE SIGNAL HEADS AND SHIFT BICYCLE TRAFFIC TO CYCLE TRACK.
10. UPON COMPLETION OF ALL OTHER CONSTRUCTION, REMOVE EXISTING PAVEMENT MARKINGS AS CALLED OUT ON PLANS AND INSTALL FINAL PAVEMENT MARKINGS AND SIGNS AND REMOVE TEMPORARY TRAFFIC CONTROL DEVICES.

TWO WEEKS PRIOR TO WEEKDAY LANE CLOSURES, THE MESSAGE FOR THE PCMS SHALL READ (UNLESS OTHERWISE DIRECTED BY THE ENGINEER):

MESSAGE 1
EXPECT LANE CLOSURE

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			TRAFFIC CONTROL PLAN - (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
						HILLSBOROUGH	21-C-00022		



**LANE IDENTIFICATION AND DIRECTION OF TRAFFIC**  
**WORK ZONE SIGN**  
**PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (SEE TTC GENERAL NOTES FOR MORE INFORMATION)**

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

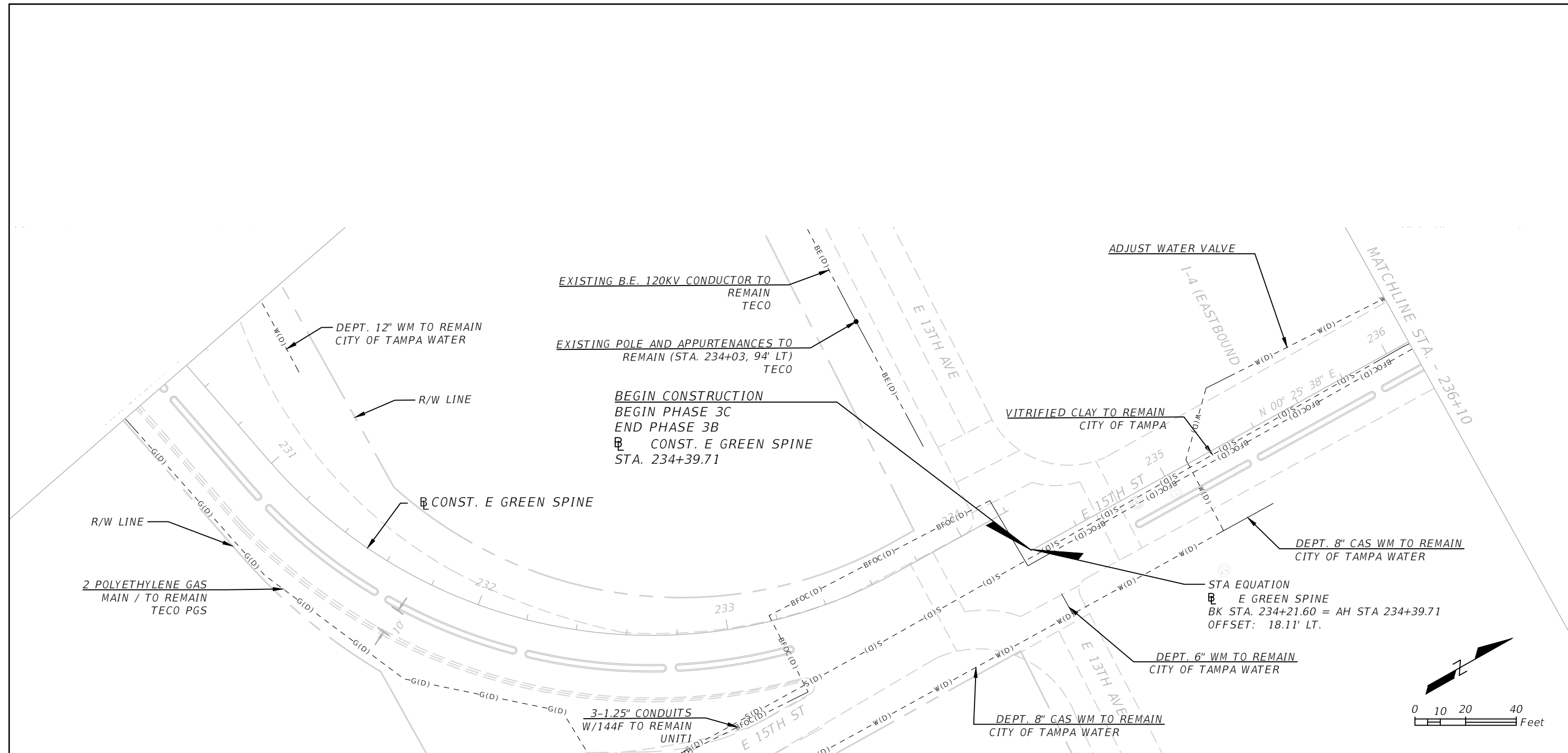
CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

*TRAFFIC CONTROL PLAN - (2)*

SHEET NO.
25

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

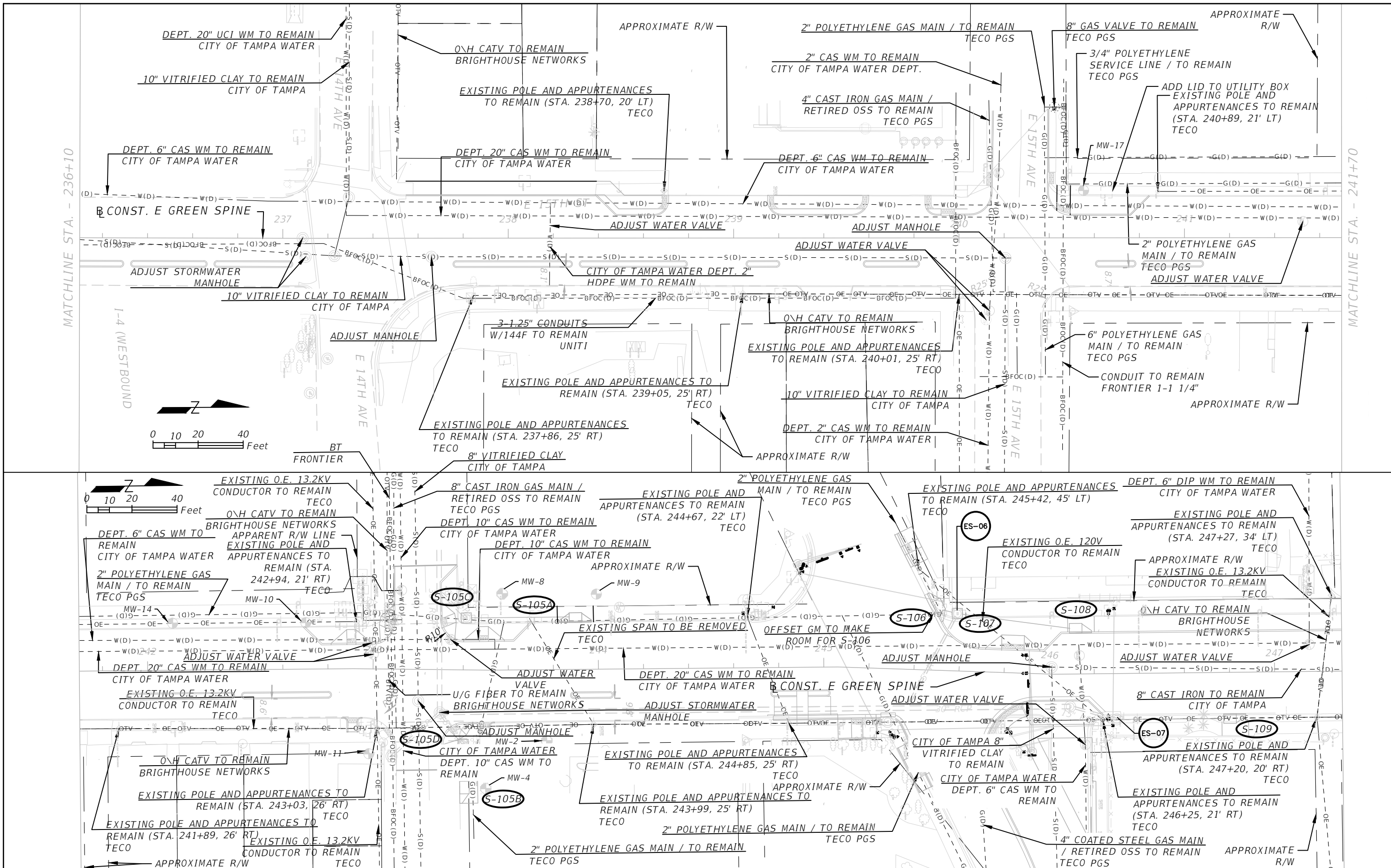
KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**UTILITY ADJUSTMENT SHEETS -**  
**(1)**

SHEET NO.
26

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



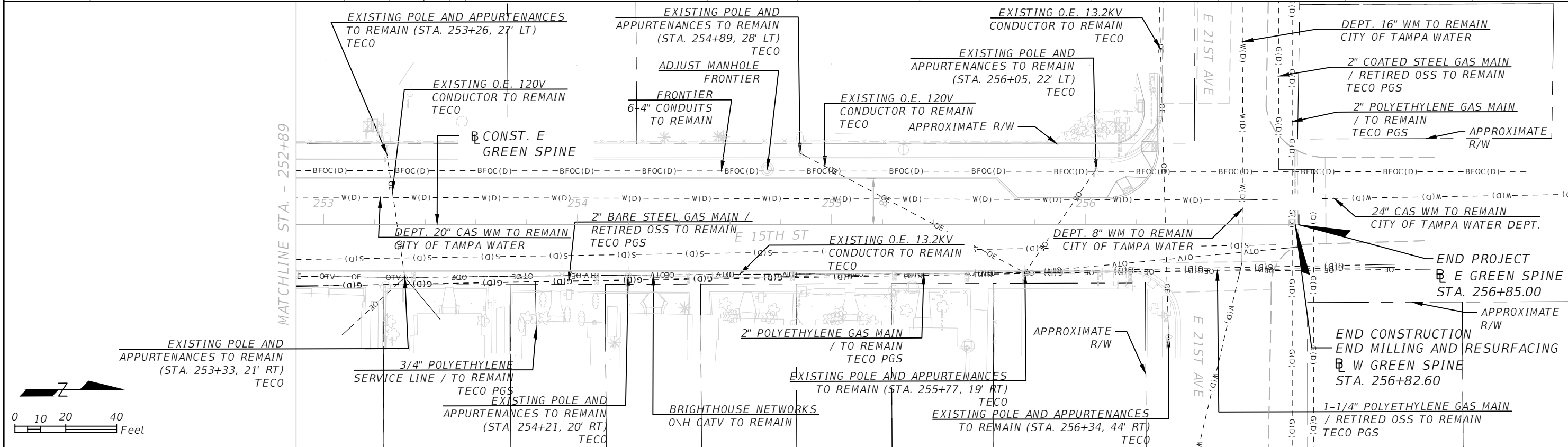
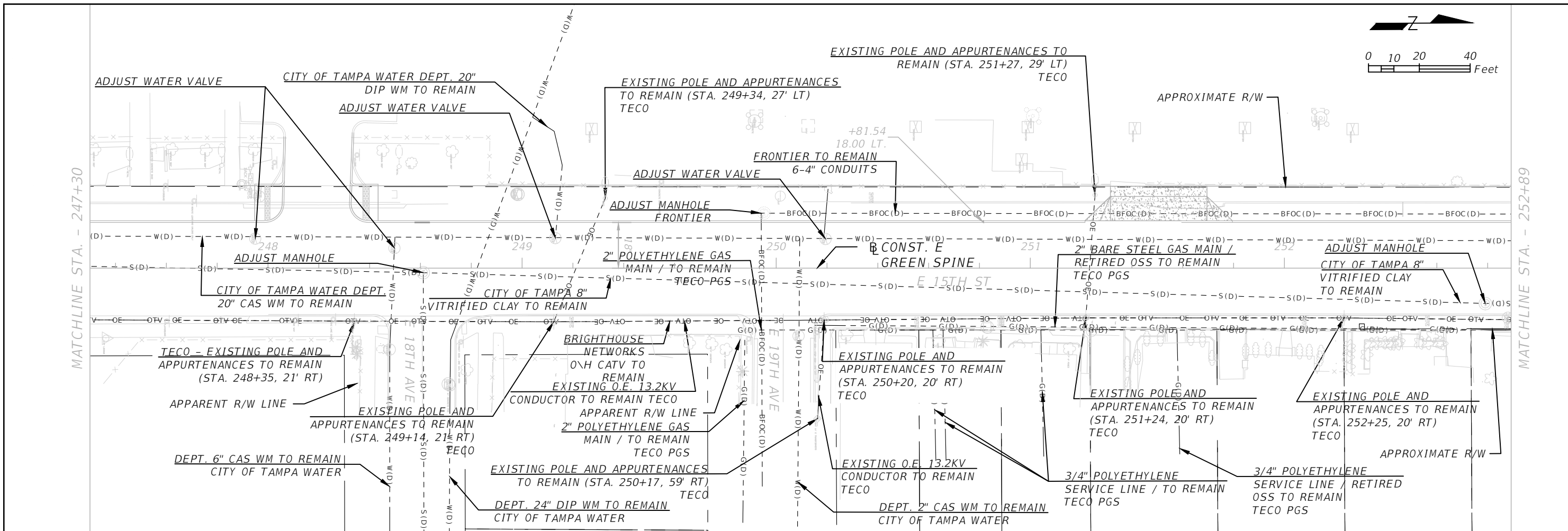
REVISIONS	
DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**UTILITY ADJUSTMENT SHEETS -**  
**(2)**  
 SHEET NO. 27

THE OFFICIAL RECORD OF THIS DRAWING IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-25.004, F.A.C.



REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			UTILITY ADJUSTMENT SHEETS - (3)	SHEET NO. 28
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
					HILLSBOROUGH	21-C-00022			

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			
0102 1	MOBILIZATION OF TRAFFIC	1			
0110 1 1	CLEARING AND GRUBBING	1			

**INDEX OF SUMMARY OF QUANTITIES**

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

PAY ITEM NOTES

0526 1A  
 CONTACT THE CITY OF TAMPA TRANSPORTATION DEPARTMENT TO COORDINATE USE OF BRICK PAVERS AVAILABLE WITHIN THE CITY'S STOCKYARD. IF THERE ARE NO AVAILABLE BRICK PAVERS FROM THE CITY'S STOCKYARD COMPLETE THE FOLLOWING PRIOR TO PURCHASING NEW BRICK PAVERS:  
 - OBTAIN SAMPLES OF BRICK PAVERS  
 - PROVIDE SAMPLES OF BRICK PAVERS TO THE CITY OF TAMPA TRANSPORTATION DEPARTMENT FOR THEIR APPROVAL AS PART OF THE SHOP DRAWING REVIEW PROCESS CONTRACT 19-C-00019 GREEN SPINE CYCLE TRACK - FDOT LAP (PG. SP-46) AFTER THE CITY OF TAMPA TRANSPORTATION DEPARTMENT APPROVES THE BRICK PAVER SAMPLES, PROCEED WITH PURCHASE OF NEW PAVERS.

0527 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).

520-7- 4  
 GRANITE CURB, RESET - INCLUDES COST OF LABOR AND MATERIALS REQUIRED FOR RESETTING THE CURB.

646-1-11  
 PAINT PEDESTAL, POLE AND BACK OF SIGN ASSEMBLIES BLACK (FEDERAL STANDARD NO. 17038). PAYMENT FOR PAINTING THESE ELEMENTS IS TO BE INCLUDED WITHIN THIS PAY ITEM.

700-1-50  
 PAINT POLE AND BACK OF SIGN ASSEMBLIES BLACK (FEDERAL STANDARD NO. 17038). PAYMENT FOR PAINTING THESE ELEMENTS IS TO BE INCLUDED WITHIN THIS PAY ITEM.

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  SQ1
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.	
						HILLSBOROUGH	21-C-00022	

**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 EROSION AND SEDIMENT CONTROL DEVICES**

LOCATION			SIDE	ARTIFICIAL COVERINGS		SEDIMENT BARRIER		SOIL TRACKING PREVENTION DEVICE		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.				0104 1		0104 10 3		0104 15		0104 18			
				SY		LF		EA		EA			
P	F	P		F	P	F	P	F	P	F			
246+25.51	to	246+27.01	RT.			175.0							
234+64.39			LT.							1			
234+81.90			RT.							1			
237+42.09			LT.							1			
243+10.88			RT.							1			
243+37.86			RT.							1			
243+91.99			LT.							1			
245+29.18			RT.							1			
245+46.53			LT.							1			
246+14.46			LT.							1			
246+28.74			RT.							1			
246+82.82			RT.							1			
256+27.17			RT.							1			
256+32.14			LT.							1			
<b>SUB-TOTAL :</b>						175.0				13			
<b>TOTAL :</b>						175.0				13			

<b>REVISIONS</b>				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<b>SUMMARY OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		SQ2
						HILLSBOROUGH	21-C-00022		

**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 (AC)	LENGTH (LF)	P	F		
0110 4 10	REMOVAL OF EXIST. CONCRETE				SY			985.0			
		237+51.15 to 238+71.20	LT.		9					EXIST. CURB REMOVAL	
		239+15.07 to 239+59.92	LT.		3					EXIST. CURB REMOVAL	
		239+84.92 to 240+14.33	LT.		5					EXIST. CURB REMOVAL	
		240+39.19 to 241+84.51	LT.		6					EXIST. CURB REMOVAL	
		242+69.18 to 243+09.42	LT.		3					EXIST. CURB REMOVAL	
		243+36.56 to 243+70.55	LT.		4					EXIST. CURB REMOVAL	
		243+38.74 to 243+53.72	LT.		3					EXIST. CURB REMOVAL	
		244+77.35 to 245+51.07	RT.		20					EXIST. CURB REMOVAL	
		245+45.31 to 256+28.35	LT.		762					EXIST. SIDEWALK REMOVAL	
		245+45.31 to 256+28.35	LT.		83					EXIST. CURB REMOVAL	
		245+77.33 to 246+01.90	RT.		80					EXIST. ISLAND	
		246+17.90 to 246+25.90	RT.		7					CURB RAMP REMOVAL	

**SUMMARY OF EARTHWORK**

PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0120 6	EMBANKMENT	419.0			
	TOTAL	419.0			

NOTE: EARTHWORK HAS BEEN CALCULATED USING THE METHOD OF AVERAGE END AREA BASE OPTION.

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<b>SUMMARY OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		SQ3
						HILLSBOROUGH	21-C-00022		

**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 6	Milling Exist Asph Pavt, 1.5" Avg Depth	234+78.64	to	237+12.52	LT./RT.		SY	868.0		9,288.0			
		237+54.18	to	256+28.47	LT./RT.		SY	8,420.0					
0337 7 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	234+78.64	to	237+12.52	LT./RT.		TN	72.0		768.0		BUS STOP SLOPED PAVEMENT INCLUDED	
		237+54.18	to	256+28.47	LT./RT.		TN	696.0					
0526 1A	Red Brick Pavers, Furnish and Install	234+82.00	to	235+31.00	RT.		SY	11.3		115.0			
		235+37.00	to	235+87.00	RT.		SY	11.5					
		235+93.00	to	236+28.00	RT.		SY	8.5					
		236+34.00	to	236+65.00	RT.		SY	7.5					
		236+71.00	to	237+03.00	RT.		SY	7.5					
		237+77.00	to	238+27.00	RT.		SY	11.5					
		238+33.00	to	238+78.00	RT.		SY	10.5					
		239+07.00	to	239+19.00	RT.		SY	3.5					
		239+59.00	to	239+81.00	RT.		SY	5.3					
		240+62.00	to	240+77.00	RT.		SY	3.7					
		240+83.00	to	241+07.00	RT.		SY	5.8					
		241+92.00	to	242+37.00	RT.		SY	10.4					
		242+43.00	to	242+80.00	RT.		SY	8.4					
		243+89.00	to	244+05.00	RT.		SY	4.0					
		244+77.85	to	245+01.23	RT.		SY	5.6					

<b>REVISIONS</b>				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<b>SUMMARY OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		SQ4
						HILLSBOROUGH	21-C-00022		

**SUMMARY OF MISCELLANEOUS DRAINAGE ITEMS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA.			P	F	P	F		
435-100-2	INLET SPECIAL DRAINAGE GRATE	238+60.00	RT.	LF	32.7		181.4			
435-100-2	INLET SPECIAL DRAINAGE GRATE	239+40.00	LT.	LF	44.8					
435-100-2	INLET SPECIAL DRAINAGE GRATE	240+00.00	LT.	LF	29.2					
435-100-2	INLET SPECIAL DRAINAGE GRATE	240+60.00	LT.	LF	45.3					
435-100-2	INLET SPECIAL DRAINAGE GRATE	244+90.35	RT.	LF	29.4					

**REVISIONS**

DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA  
 MOBILITY DEPARTMENT

ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**SUMMARY OF QUANTITIES**

SHEET NO.

SQ5



**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		P			F
								TYPE	LENGTH	P	F				
0520 1 10	Concrete Curb & Gutter, Type F	244+77.35	to	245+51.34	RT.	LF	74.0			95.0		325.0			
		246+16.27	to	246+24.79	RT.	LF	8.5			230.0					
0520 2 4	Concrete Curb & Gutter, Type D	234+80.00	to	235+87.00	RT.	LF	108.0			108.0		2410.0			
		235+37.00	to	235+87.00	RT.	LF	110.0			110.0					
		235+93.00	to	236+28.00	RT.	LF	80.0			80.0					
		236+34.00	to	236+65.00	RT.	LF	72.0			72.0					
		236+71.00	to	237+03.00	RT.	LF	74.0			74.0					
		237+77.00	to	238+27.00	RT.	LF	110.0			110.0					
		238+33.00	to	238+78.00	RT.	LF	100.0			100.0					
		238+67.45	to	238+71.20	LT.	LF	3.7			11.0					
		239+07.00	to	239+19.00	RT.	LF	34.0			34.0					
		239+15.07	to	239+18.80	LT.	LF	3.7			10.0					
		239+55.73	to	239+59.92	LT.	LF	4.2			11.0					
		239+59.00	to	239+81.00	RT.	LF	54.0			54.0					
		239+84.92	to	240+00.94	RT.	LF	16.0			23.0					
		240+39.19	to	240+52.73	LT.	LF	13.6			32.0					
		240+62.00	to	240+77.00	RT.	LF	40.0			40.0					
		240+83.00	to	241+07.00	RT.	LF	58.0			58.0					
		241+92.00	to	242+37.00	RT.	LF	100.0			100.0					
		242+43.00	to	242+80.00	RT.	LF	84.0			84.0					
242+69.18	to	243+09.42	LT.	LF	58.0			58.0							
243+36.56	to	243+70.55	LT.	LF	77.0			77.0							
243+38.74	to	243+53.72	RT.	LF	15.0			44.0							
243+89.00	to	244+05.00	RT.	LF	42.0			42.0							
244+74.85	to	245+06.74	RT.	LF	32.0			32.0							
244+77.85	to	245+01.23	RT.	LF	57.0			57.0							
245+56.78	to	248+06.89	LT.	LF	251.0			251.0							
248+33.13	to	251+21.53	LT.	LF	289.0			289.0							
251+79.53	to	256+27.78	LT.	LF	449.0			449.0							

<b>REVISIONS</b>				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<b>SUMMARY OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		SQ6
						HILLSBOROUGH	21-C-00022		

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			SIDE	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.					GROSS LENGTH	DEDUCTIONS		NET LENGTH		P			F
			to					TYPE	LENGTH	P	F				
0520 7 1	Granite Curb, Furnish and Install	237+57.79	to	238+67.45	LT.	LF	110.0			110.0		193.0			
		239+18.80	to	239+55.73	LT.	LF	37.0			37.0					
		240+00.94	to	240+14.33	LT.	LF	14.0			14.0					
		240+52.73	to	240+84.51	LT.	LF	32.0			32.0					
0520 7 2	Granite Curb, Reset	237+57.79	to	238+38.53	LT.	LF	81.0			81.0		235.0			
		238+38.53	to	238+71.20	LT.	LF	33.0			33.0					
		239+15.07	to	239+59.92	LT.	LF	45.0			45.0					
		239+84.92	to	240+14.33	LT.	LF	30.0			30.0					
		240+39.19	to	240+84.51	LT.	LF	46.0			46.0					

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

<b>REVISIONS</b>				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<b>SUMMARY OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		SQ7
						HILLSBOROUGH	21-C-00022		

**SUMMARY OF SIDEWALK & PAVERS, ARCHITECTURAL, ROADWAY**

LOCATION			SIDE	AREA ID	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522	1	0522	2	0527	2		
STA. TO STA.					SY		SY		SF			
					P	F	P	F	P	F		
237+57.79	to	238+71.20	LT.		79.0							
239+15.07	to	239+59.92	LT.		20.0							
239+84.92	to	240+14.33	LT.		9.0							
240+42.23	to	240+49.23	LT.		9.0							
242+69.18	to	243+09.42	LT.		31.0							
242+88.15	to	242+93.70	LT.		4.0							
243+29.33	to	243+70.50	LT.		43.0							
243+38.74	to	243+52.42	LT.		33.0							
245+79.49	to	246+19.96	LT.		61.0							
245+06.74	to	245+23.86	LT.		16.0							
245+33.72	to	243+51.34	LT.		20.0							
245+29.51	to	245+44.46	LT.		15.0							
245+79.49	to	245+79.49	LT.				15.0					
245+45.07	to	248+06.89	LT.				421.45					
248+33.13	to	256+30.35	LT.				1,259.0					
238+71.00			LT.					8.3				
239+15.30			LT.					9.3				
239+59.80			LT.					9.6				
239+85.00			LT.					9.0				
239+90.50			LT.					12.0				
240+14.00			LT.					11.7				
240+39+50			LT.					10.5				
240+49.00			LT.					13.2				
242+91.00			LT.					8.0				
242+91.00			RT.					8.3				
243+07.00			RT.					8.0				
243+07.00			LT.					8.0				
243+29.50			RT.					8.3				
243+53.00			LT.					8.0				
243+53.00			LT.					10.0				
243+28.50			RT.					20.0				
243+51.00			RT.					8.0				
<b>SUB-TOTAL:</b>					340.0		1,696.0		187.1			
<b>TOTAL:</b>					340.0		1,696.0		357.0			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**SUMMARY OF QUANTITIES**

SHEET NO.  
5Q8

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

**SUMMARY OF SIDEWALK & PAVERS, ARCHITECTURAL, ROADWAY**

LOCATION			SIDE	AREA ID	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522	1	0522	2	0527	2		
STA. TO STA.					SY		SY		SF			
					P	F	P	F	P	F		
245+10.00			RT.						8.0			
245+43.00			RT.						20.0			
245+80.00			RT.						48.3			
245+85.00			LT.						27.3			
245+36.00			LT.						34.3			
248+00.00			LT.						8.0			
248+40.00			LT.						8.0			
256+17.00			LT.						8.0			
256+27.00			LT.						8.0			
				SUB-TOTAL:					170.0			
				TOTAL:					357.0			

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

<b>REVISIONS</b>				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<b>SUMMARY OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		5Q9
						HILLSBOROUGH	21-C-00022		

SUMMARY OF UTILITY ADJUSTMENTS										
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA.			P	F	P	F		
425-5	MANHOLE, ADJUST	137+08.79	BL	EA	1		8			
425-5	MANHOLE, ADJUST	137+10.00	RT	EA	1					
425-5	MANHOLE, ADJUST	240+20.56	RT	EA	1					
425-5	MANHOLE, ADJUST	243+20.42	RT	EA	1					
425-5	MANHOLE, ADJUST	243+29.70	RT	EA	1					
425-5	MANHOLE, ADJUST	246+01.26	LT	EA	1					
425-5	MANHOLE, ADJUST	248+61.11	RT	EA	1					
425-5	MANHOLE, ADJUST	252+79.32	RT	EA	1					
9910	ADJUST VALVE BOX (HEIGHT)	PROJECT LIMITS	LT./RT.	EA	15		15			

SUMMARY OF PERFORMANCE TURF												
LOCATION			SIDE	AREA ID	LENGTH (LF)	WIDTH (LF)	PERFORMANCE TURF (SOD)		PLASTIC EROSION MAT		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.							0570	1	2	0571		
			SY			SY						
			P	F	P	F	P	F				
238+38.53	to	238+71.20	LT.				9.0					
239+16.70	to	239+57.74	LT.				11.0					
239+86.22	to	239+91.97	LT.				2.0					
239+97.97	to	240+10.79	LT.				3.0					
246+18.16	to	246+23.51	RT.				407.0					
SUB-TOTAL:							432.0					
TOTAL:							432.0					

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<i>SUMMARY OF QUANTITIES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
						HILLSBOROUGH	21-C-00022		SQ10

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

**CITY OF TAMPA  
MOBILITY DEPARTMENT**

**CONTRACT PLANS**

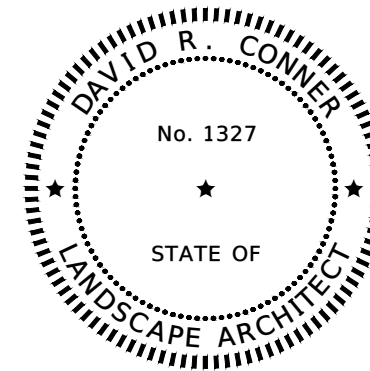
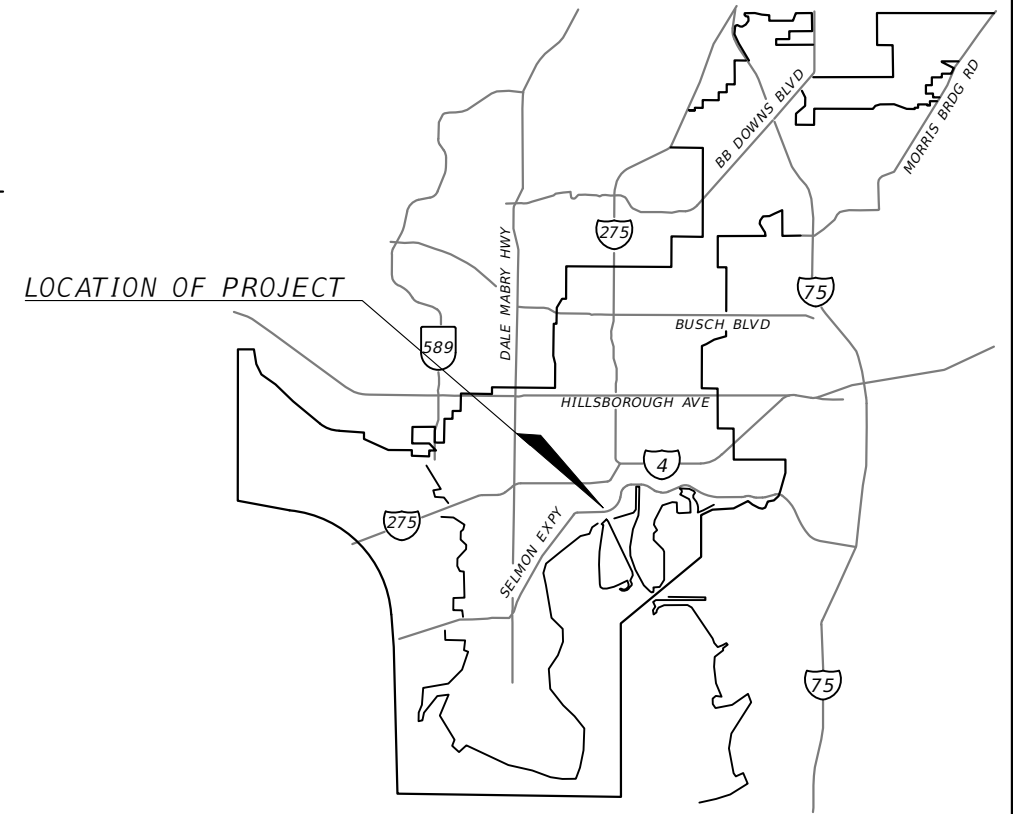
FINANCIAL PROJECT ID 439476-4-58-02

**INDEX OF LANDSCAPE PLANS**

<i>SHEET NO.</i>	<i>SHEET DESCRIPTION</i>
LD-1	KEY SHEET
LD-2	SUMMARY OF PAY ITEMS
LD-3	TABULATION OF QUANTITIES AND PLANT SCHEDULE
LD-4	TECHNICAL MAINTENANCE PLAN
LD-5	PROJECT LAYOUT
LD-6	GENERAL NOTES
LD-7 TO LD-8	HARDSCAPE PLANS
LD-9 TO LD-12	HARDSCAPE DETAILS
LD-13 TO LD-14	PLANTING PLANS
LD-15 TO LD-18	PLANTING DETAILS

E/W GREEN SPINE CYCLE TRACK -  
PH. 3C FROM 13TH AVE. TO 21ST. AVE.

**LANDSCAPING PLANS**



THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY:

**David R Conner** Date: 2023.02.07  
09:53:10-05'00'

ON THE DATE ADJACENT TO THE SEAL

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

FINAL SUBMITTAL  
February 2023

LANDSCAPE PLANS  
LANDSCAPE ARCHITECT OF RECORD:  
DAVID CONNER  
R.L.A. NO.: 1327  
DAVID CONNER + ASSOCIATES  
100 EAST MADISON STREET, STE 200  
TAMPA, FL, 33602  
813-258-1997  
CONTRACT NO.: 21-C-00022  
VENDOR NO.: 59-3421586  
CERTIFICATE OF AUTHORIZATION NO.: LC0000319

CITY OF TAMPA PROJECT MANAGER:  
NINA S. MABILLEAU E.I.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
21-C-00022	23	LD-1

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15TH ST FROM 13TH AVE TO 21ST AVE

PAY ITEM NO.	DESCRIPTION	UNIT	FINAL
520-2-4	CONCRETE CURB, TYPE D	LF	160
580-1-1	LANDSCAPE COMPLETE (SMALL PLANTS)	LS	1
580-1-2	LANDSCAPE COMPLETE (LARGE PLANTS)	LS	1
COT-101	PAVERS, ARCHITECTURAL, SIDEWALK	SY	87
COT-102	PRE-EMERGENT HERBICIDE	SY	142
COT-103	FURNISHINGS	LS	1

PERFORMANCE TURF IS INCLUDED AND PAID FOR IN THE ROADWAY PLANS PAY ITEMS.

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REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  LD-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO	
					HILLSBOROUGH	21-C-00022	<b>SUMMARY OF PAY ITEMS</b>	



**LANDSCAPE TABULATION OF QUANTITIES / PLANT SCHEDULE**

15TH ST FROM 13TH AVE TO 21ST AVE

PAY ITEM NO.	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MAXIMUM MAINTAINED SIZE	SPACING	REMARKS	UNIT	SHEET NUMBER				TOTAL THIS SHEET		GRAND TOTAL					
									LD-7 / LD-13		LD-8 / LD-14		PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
									PLAN	FINAL	PLAN	FINAL								
520-2-4		CONCRETE CURB, TYPE D						LF	144		16			160		160				
580-1-1		LANDSCAPE COMPLETE (SMALL PLANTS)						LS						1		1				
	ZAM PUM	ZAMIA PUMILA	COONTIE	3 GALLON	18" Ht.	36 O.C.		EA	138		17			155						
580-1-2		LANDSCAPE COMPLETE (LARGE PLANTS)						LS						1		1				
	SAB PAL	SABAL PALMETTO	SABAL PALM	B&B			14' CT. HT.; MAINTAIN A MIN 8' VERTICAL CLEARANCE OVER SIDEWALKS; REGENERATED ROOT	EA	3		2			5						
	QUE CAT	QUERCUS VIRGINIANA 'CATHEDRAL'	CATHERDAL LIVE OAK	B&B			6 CAL; 20' HT X 10' SP; RPG TREES WITH SPREADING CHARACTER AND MINIMAL INTERAL GROWTH. NO TIP PRUNING. NO OPEN WOUNDS. 7' CLEAR TRUNK	EA	3					3						
		PREPARED SOIL LAYER						SY	126		16			142						
		BIO BARRIER						LF	68					68						
COT-101		PAVERS, ARCHITECTURAL, SIDEWALK						SY	69		18			87		87				
COT-102		PRE-EMERGENT HERBICIDE						SY	126		16			142		142				
COT-103		FURNISHINGS						LS						1		1				
		BENCH							1		1			2						
		BICYCLE RACK							2					2						
		BIKE MAINTENANCE STATION							1					1						
		LITTER RECEPTACLE							1		1			2						
		PASPALUM NOTATUM 'ARGENTINE'	BAHAI GRASS	SOD			PERFORMANCE TURF IS PROVIDED ON THE LANDSCAPE PLANS FOR REFERENCE. PERFORMANCE TURF QUANTITIES ARE INCLUDED IN THE ROADWAY PLANS PAY ITEMS.													

**PAY ITEM NOTES:**

**SUMMARY OF PAY ITEMS**

520-2-4, CONCRETE CURB, TYPE D  
CONCRETE CURB SHALL BE MODIFIED PER HARDSCAPE DETAIL SHEET LD-9

580-1-1, LANDSCAPE COMPLETE, SMALL PLANTS INCLUDES:

1. PREPARATION OF PLANTING BEDS INCLUDING EXCAVATION OF EXISTING SOIL OR TURF AS DESCRIBED IN THE PLANS AND SPECIAL DETAILS.
2. COLLECTION AND APPROVAL OF PROPOSED PLANTS BY ENGINEER PRIOR TO DELIVERY TO THE PROJECT SITE.
3. DELIVERY AND HOLDING OF PLANTS IN PREPARATION OF INSTALLATION.
4. INSTALLATION OF PLANTS INCLUDING EXCAVATION OF SOILS FOR PLANTING, INCORPORATION OF SOIL AMENDMENTS, FERTILIZATION, PLACEMENT AND BACKFILLING OF SOIL, PLACEMENT OF MULCH AND ANY OTHER REQUIREMENTS COMMON TO THE WORK OR AS DESCRIBED IN THE SPECIFICATIONS.
5. 90 DAY ESTABLISHMENT WATERING AND MAINTENANCE PER PLANT ESTABLISHMENT PLAN.

580-1-2, LANDSCAPE COMPLETE, LARGE PLANTS INCLUDES:

1. COLLECTION AND APPROVAL OF PROPOSED PLANTS BY ENGINEER PRIOR TO DELIVERY TO THE PROJECT SITE.
2. DELIVERY AND HOLDING OF PLANTS IN PREPARATION OF INSTALLATION
3. INSTALLATION AND STAKING OF PLANTS AS CITY OF TAMPA STANDARDS OR AS DESCRIBED IN THE SPECIAL DETAILS
4. ORGANIC MULCH APPLIED AROUND THE BASE OF CANOPY TREES AND SHRUBS AS

INDICATED ON PLANS LD-13 AND LD-14

5. SABLE PALM - CHARACTER PALMS (SPC)
  - a. CHARACTER PALMS WILL BE SELECTED AND TAGGED BY THE ENGINEER PRIOR TO DELIVERY TO SITE.
6. PREPARED SOIL LAYER
  - a. PREPARED SOIL LAYER SHALL BE A FINISH SOIL LAYER
  - b. THE DEPTH OF THE FINISH SOIL SHALL BE PER PLANTING DETAILS NOTED IN LD-15 TO LD-18. THE AREA (CY) OF SOIL INCLUDE THE AVERAGE DEPTH OF SOIL AS DETERMINED BY THE HEIGHTS OF PLANTING AREAS.
7. BIO BARRIER
  - a. TYPAR: 24"
  - b. REFER TO HARDSCAPE DETAIL ON LD-10 FOR INSTALLATION
8. 90 DAY ESTABLISHMENT WATERING AND MAINTENANCE PER PLANT ESTABLISHMENT PLAN.

COT-101, PAVERS, ARCHITECTURAL SIDEWALK

1. CONTACT THE CITY OF TAMPA TRANSPORTATION DEPARTMENT TO COORDINATE USE OF BRICK PAVERS AVAILABLE WITHIN THE CITY'S STOCKYARD. IF THERE ARE NO AVAILABLE BRICK PAVERS FROM THE CITY'S STOCKYARD, COMPLETE THE FOLLOWING PRIOR TO PURCHASING NEW BRICK PAVERS:
  - 1.1. OBTAIN SAMPLES OF BRICK PAVERS
  - 1.2. PROVIDE SAMPLES OF BRICK PAVERS TO THE CITY OF TAMPA TRANSPORTATION DEPARTMENT FOR THEIR APPROVAL AS PART OF THE SHOP DRAWING REVIEW PROCESS CONTRACT 21-C-00022 GREEN SPINE CYCLE TRACK - FDOT LAP (PG. SP-46)

- 1.3. AFTER THE CITY OF TAMPA TRANSPORTATION DEPARTMENT APPROVES THE BRICK PAVER SAMPLES, PROCEED WITH PURCHASE OF NEW PAVERS.

COT-102. PRE-EMERGENT HERBICIDE

1. PRE-EMERGENT HERBICIDE: RONSTAR G. HERBICIDE, 50LB BAG
2. APPLY PRIOR TO MULCHING
3. APPLY AT TREE RING OF EACH TREE
4. APPLY AT RATES RECOMMENDED BY THE MANUFACTURER WITH THE AREAS OF NEW PLANTING BEDS

COT-103, FURNISHINGS

1. BENCH: VICTOR STANLEY; CLASSIC SERIES; MODEL NO. CR-138; 6'; COLOR: BLACK; INTERMEDIATE ARMRESTS (CENTER)
2. BIKE RACK: FAIR WEATHER SITE FURNISHINGS; MODEL NO. B-1500 (SURFACE MOUNT), COLOR: BLACK
3. BIKE MAINTENANCE STATION WITH AIR PUMP: THE PARK CATALOG: ITEM NO.: 509-2001-134; COLOR: BLACK
4. LITTER RECEPTACLE: VICTOR STANLEY; IRONSITES COLLECTION; MODEL NO. SD-42; 36 GALLON; COLOR: BLACK - POWDERCOAT

REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			TABULATION OF QUANTITIES AND PLANT SCHEDULE	SHEET NO.  LD-3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
						HILLSBOROUGH	21-C-00022		

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**PLANT ESTABLISHMENT PERIOD - 90 DAYS**

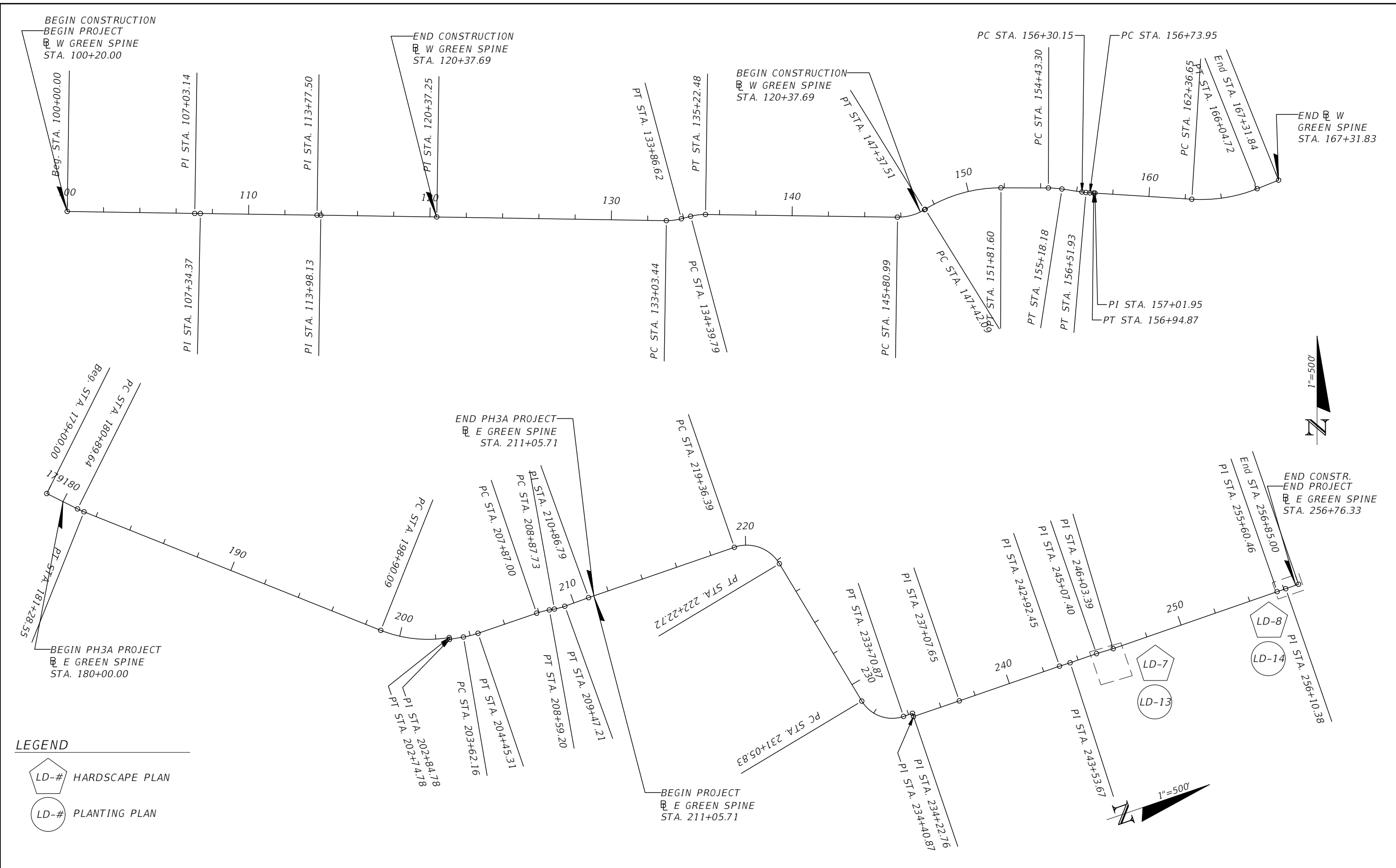
<b>OPERATION</b>		90 DAY ESTABLISHMENT PERIOD TO BE PROVIDED BY CONTRACTOR AS PART OF PAY ITEMS 580-1-1 AND 580-1-2.			CITY OF TAMPA COMMITMENT ON YEARLY CYCLE											
<b>WEEK</b>	1 2 3 4	5 6 7 8	9 - 12		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
<b>WATERING # DAYS</b>	7 7 7 7	4 4 4 4	2													
	WATERING BY TRUCK MUST BE PERFORMED EACH WEEK OF THE 90 DAY ESTABLISHMENT PERIOD AT THE FREQUENCY INDICATED (SEE CHART FOR WATER APPLICATION RATES). SATURATE TREE WELL COMPLETELY.				CITY SHALL WATER ONCE A WEEK OR AS NEEDED AFTER 180 DAY CONTRACTED MAINTENANCE PERIOD (DURING DROUGHT PERIODS) USING A CITY WATER TRUCK.											
<b>WEEDING/LITTER PICK UP</b>	1 TIME EACH WEEK	1 TIME EACH 2 WEEK PERIOD	1 TIME EACH 2 WEEK PERIOD		WEEDING EVERY 14 DAYS AS INDICATED USING AN APPROVED HERBICIDE SUCHS AS "ROUND UP" (GLYPHOSATE) OR EQUAL APPLIED AT THE RATE OF 1 1/2 OZ. PER GALLON AND APPLIED BY LICENSED APPLICATOR OR UNDER THE SUPERVISION OF LICENSED APPLICATOR. LITTER PICK UP MUST BE PERFORMED PRIOR TO APPLICATON OF HERBICIDE.											
	CONTRACTOR SHALL WEED AND PICK UP LITTER IN ALL PLANTING BEDS AND INDIVIDUAL TREE WELLS ONCE IN EACH FOUR WEEK PERIOD BEFORE THE END OF THE 90 DAY ESTABLISHMENT PERIOD.															
<b>PRUNING</b>	AS NEEDED TO MECHANICALLY REMOVE DAMAGED BRANCHES. CONTRACTOR SHALL MAINTAIN STATE OF FLORIDA #1 FORM TO ATTAIN FINAL ACCEPTANCE.				PRUNING SHALL BE ACCOMPLISHED USING CHAIN SAWS, HAND SAWS, AND/OR LOPPING SHEARS. SHRUBS SHALL BE PRUNED YEARLY TO A HEIGHT APPROPRIATE TO SPECIES, USE AND LOCATION.											
<b>FERTILIZING</b>	TREES, PALMS, SHRUBS AND GROUND COVERS SHALL BE FERTILIZED WHEN PLANTED PER DETAIL & SPECIFICATIONS.				TREES, PLAMS AND GROWDCOVERS MUST BE FERTILIZED ANNUALLY PER MANUFACTURER'S SPECIFICATIONS.											
<b>MOWING</b>	EVERY 14 DAYS LEAVING 3" IN HEIGHT.				EVERY 14 DAYS LEAVING 3" HEIGHT.											
<b>EDGING</b>	EVERY 14 DAYS BY MECHNICAL MEANS.				EVERY 14 DAYS BY MECHNICAL MEANS.											
<b>MULCHING</b>	MULCH SHALL BE APPLIED IMMEDIATELY AFTER WATERING OF EACH PLAN. SEE PLANTING PLANS AND SPECIFICATIONS FOR MULCH TYPES/DEPTH TO BE USED.				RESTORE 3" LAYER MULCH ONCE A YEAR. SEE PLANTING PLANS FOR MULCH TYPES TO BE USED.											

<b>WATER APPLICATION RATES</b>	
(FOR NON-IRRIGATED AREAS)	
TREES AND PALMS	SATURATE TO 3' DEPTH. FLOOD TREE
TURF	REFER TO ROADWAY SPECIFICATIONS
SMALL PLANTS	WATER EACH PLANT BY HAND. PROVIDE 2 GALLONS WATER PER PLANT
<b>NOTE:</b>	
CONTRACTOR IS RESPONSIBLE FOR WATER SOURCE AS PART OF PAY ITEM.	

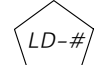

<b>FERTILIZER APPLICATION RATES</b>	
TREES AND PALMS	FERTILIZER PER DETAILS AND MANF. SPECIFICATIONS SHALL BE APPLIED AT TIME OF PLANTING AND ONCE ANNUALLY.
GROUNDCOVERS / GRASSES	FERTILIZER PER DETAILS AND MANF. SPECIFICATIONS SHALL BE APPLIED AT TIME OF PLANTING AND ONCE ANNUALLY.

REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			<b>PLANT ESTABLISHMENT PERIOD</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO		LD-4
						HILLSBOROUGH	21-C-00022		

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**LEGEND**

	LD-#	HARDSCAPE PLAN
	LD-#	PLANTING PLAN

REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			PROJECT LAYOUT	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO		LD-5

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LANDSCAPING

1. THE BASELINE SHOWN IN THE PLANS IS FOR INFORMATION PURPOSE ONLY. THE BASELINE IS REFERENCED FROM PROJECT NO. 439476-1-58-01.
2. PERFORMANCE TURF INDICATED ON SHEETS LD-13 TO BE INCLUDED IN CIVIL PAY ITEM FOR PERFORMANCE SOD.
3. INSTALL SMALL PLANT ROOTBALLS A MINIMUM OF 2 FEET FROM UNDERGROUND UTILITIES.
4. DO NOT INSTALL LANDSCAPE MATERIALS THAT BLOCK TRAFFIC CONTROL SIGNS OR DEPARTMENT'S INFORMATIONAL OR LOGO SIGNS. ALL LANDSCAPE AREAS SHALL BE MAINTAINED TO PRESERVE VISIBILITY OF TRAFFIC CONTROL DEVICES AND SIGNS. RESET SIGNS DISTURBED DURING CONSTRUCTION TO CURRENT STANDARDS FOR HEIGHT, OFFSET, AND METHOD OF INSTALLATION AT THE CONTRACTOR'S EXPENSE.
5. SCHEDULE ALL ON-SITE PLANT DELIVERIES TO OCCUR ON MONDAY THROUGH FRIDAY ONLY UNLESS APPROVED BY THE ENGINEER IN ADVANCE. ENSURE THAT PLANT MATERIAL IS DELIVERED UNDAMAGED FROM TRANSPORTATION OR DIGGING OPERATIONS. THE ENGINEER MAY REJECT MATERIAL THAT HAS BEEN DAMAGED OR RENDERED UNACCEPTABLE DUE TO RELOCATION OR TRANSPORTATION FROM THE POINT OF ORIGIN. REPLACE DAMAGED PLANT MATERIAL AT NO ADDITIONAL EXPENSE TO THE DEPARTMENT.
6. "WATER IN" TREES AND PALMS LEAVING NO AIR POCKETS. FILL ANY AIR POCKETS WITH SOIL AND KEEP GRADE WITHIN TREE RING EVEN AND SMOOTH, MAINTAIN EROSION FREE TREE RINGS AND REPAIR AS NECESSARY PER PLANING DETAILS. WATER SOURCE AND APPLICATION OF WATER FOR THE SUCCESSFUL TRANSPLANT, ESTABLISHMENT, AND SURVIVAL OF PLANTS IS THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE CITY.
7. DURING PLANTING, APPLY A SLOW/CONTROLLED RELEASE 8-2-12+4 MG PALM FERTILIZER THAT INCLUDES IRON, MANGANESE AND BORON AS MINOR ELEMENTS, DISTRIBUTE THE FERTILIZER EVENLY OVER THE TOP OF THE PLANTING HOLE WITHIN THE SOIL RING AT A RATE SPECIFIED IN THE MANUFACTURER'S RECOMMENDED LABEL DIRECTIONS.
8. TRIMMING OF PALMS WILL BE LIMITED TO DEAD/BROWN FRONDS AND ANY LOOSELY ATTACHED DANGLING FRONDS, FRUITS, AND PETIOLES OR SPATHES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
9. MULCH MATERIAL SHALL EITHER INORGANIC (SHELL ROCK) OR ORGANIC (SHREDDED HARDWOOD) MULCH AS INDICATED ON THE PLANS AND PLACED THROUGHOUT ALL NEW PLANTING BEDS. MULCH SHALL COVER ALL EXPOSED SOIL WITHIN BEDS TO COMPRESSED DEPTH OF 3". DO NOT PLACE MULCH AGAINST TRUNK OF PLANTS OR TREES. DO NOT MULCH PERFORMANCE TURF.
10. THE ESTABLISHMENT PERIOD SHALL BE 90 DAYS FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION OF THE TOTAL PROJECT.
11. ALL LANDSCAPE MATERIAL SHALL BE INSTALLED AND MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE FDOT STANDARDS INDEX 580 AS WELL AS ALL OTHER APPLICABLE CITY OF TAMPA STANDARDS. APPLY THE MORE STRINGENT STANDARDS WHERE CONFLICT OCCURS.
12. PROCEDURE (TOPIC NO, 850-000-015-1 OF 01/01/2014), "ALL CONTRACTORS AND/OR PERMITTEE'S WHO CONTRACT THE APPLICATION OF FERTILIZER SHALL ENSURE THEY ARE LICENSED COMMERCIAL APPLICATORS WHO HAVE BEEN TRAINED THROUGH THE GREEN INDUSTRY BMP PROGRAM, AND HAVE OBTAINED A LIMITED CERTIFICATION FOR URBAN LANDSCAPE COMMERCIAL FERTILIZER APPLICATION UNDER SECTION 482.1562,F.S. WITH A CURRENT COPY OF THE LICENSE ON FILE.

13. THE EXISTING SIDEWALKS SHALL REMAIN AVAILABLE FOR SAFE USE THROUGHOUT THE PROJECT WITH ONLY PERIODIC CLOSURES AS APPROVED BY ENGINEER.

ROOT REGENERATED PALM REQUIREMENTS

1. ALL SABAL PALMS SHALL BE ROOT REGENERATED AND MEET THE FOLLOWING CRITERIA.
  - a. PALMS SHALL HAVE BEEN DUG AND REPLANTED IN CONTAINERS LOCATED WITHIN A NURSERY SPECIALIZING IN REGENERATED ROOT PALM TREE PRODUCTION.
  - b. PALM TREES SHALL HAVE BEEN PLANTED IN CONTAINERS AND HELD IN A NURSERY ENVIRONMENT FOR A MINIMUM OF 6 MONTHS. PRIOR TO DELIVERY TO THE PROJECT, ROOTBALL SHALL BE CONTAINED IN A STRETCH WRAP OR EQUIVALENT, FORMING A SOLID DURABLE ROOTBALL.
  - c. PRIOR TO DELIVERY TO THE PROJECT, PALMS ROOTS SHALL DEMONSTRATE SIGNIFICANT VISIBLE NEW REGENERATED ROOTS AT THE PERIMETER OF THE ROOT BALL.
  - d. PALM TREES SHALL DEMONSTRATE NEW GROWTH IN THE CANOPY INCLUDING FULLY EXTENDED AND OPEN FRONDS.
  - e. ALL PALM TREE LOADS SHALL BE TARPED TO PREVENT WIND DAMAGE DURING DELIVERY.
  - f. ALL PALM TREES SHALL BE INJECTED WITH 'TREE SAVER' (OXYTETRACYCLINE HYDROCHLORIDE 39% ACTIVE INGREDIENTS), A MINIMUM OF 1X PRIOR TO TRANSPLANTING, AND 1X - 90 DAYS AFTER TRANSPLANTING. PROVIDE RECEIPTS TO ENGINEER.

SITE GRADING




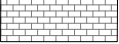


1. AFTER ALL UTILITIES HAVE BEEN LOCATED, STAKE OUT THE SITE IMPROVEMENTS FOR FIELD INSPECTION BY THE ENGINEER.
2. TWO WEEKS PRIOR TO COMMENCEMENT OF GRADING WORK, APPLY ON-SELECTIVE HERBICIDE THROUGHOUT THE LIMITS OF GRADING WORK.
3. SHAPE SOILS TO FORM LANDSCAPE AREAS INDICATED.
4. USE IMPORTED SOIL SIMILAR IN COMPOSITION AND PERFORMANCE (ESPECIALLY RELATIVE TO DRAINAGE/PERCOLATION) TO THE IN-SITU MATERIAL AND MEET THE REQUIREMENTS OF SPECIFICATION SECTION 162-1.1 - FINISHED SOIL LAYER.
5. PROPERLY DISPOSE OF ANY EXCESS SOIL.
6. EXISTING TOPOGRAPHIC SURVEY INFORMATION INDICATED ON THESE PLANS WAS PREPARED BY OTHERS UNDER A PREVIOUS CONTRACT AND IS PROVIDED FOR REFERENCE ONLY ON THIS PROJECT.
7. CONFIRM EXISTING ELEVATIONS ON SITE PRIOR TO BEGINNING ANY EXCAVATION OR GRADING WORK. ANY DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY THE ENGINEER IN ADVANCE.

UTILITY

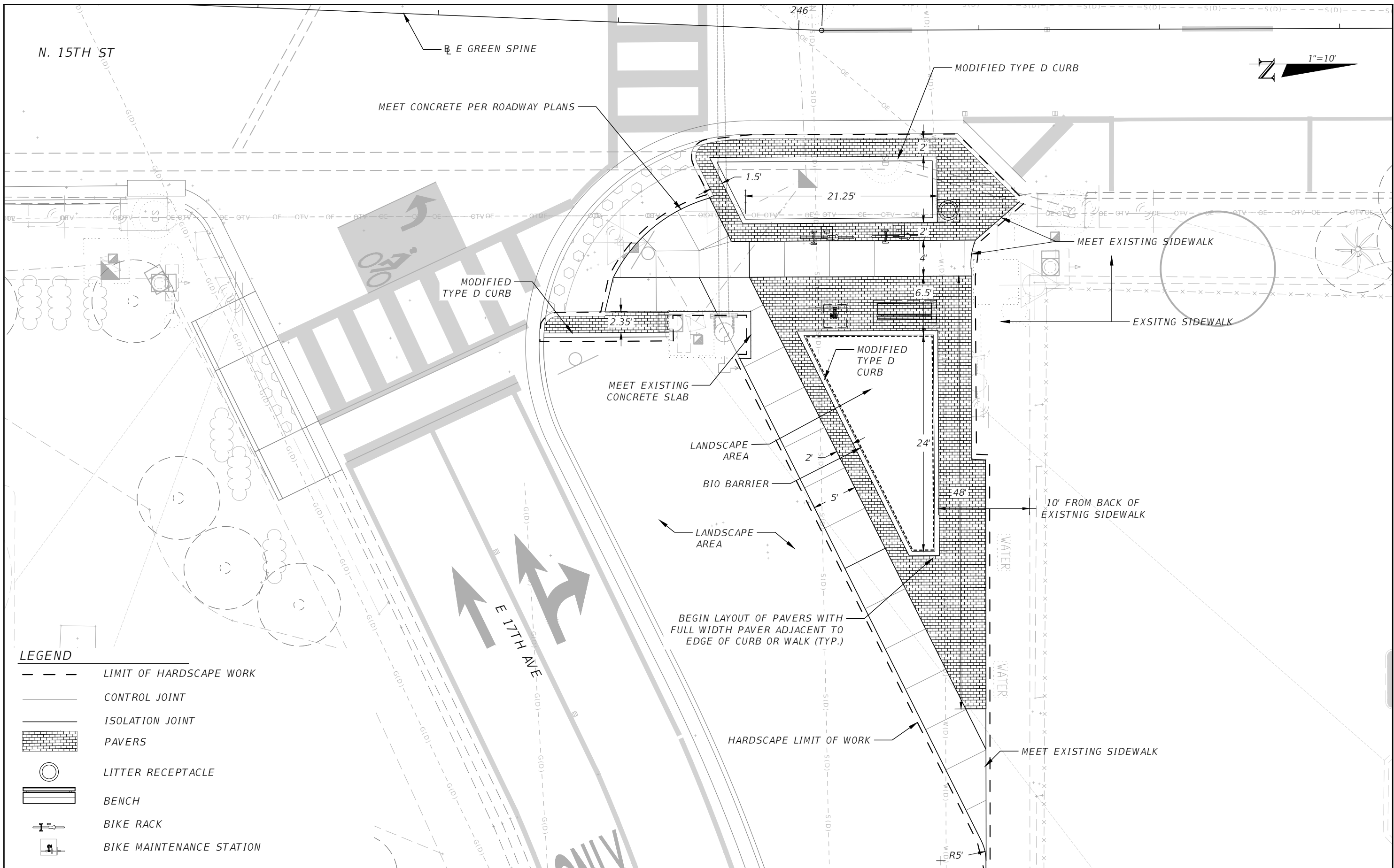
1. IN THE EVENT A DIRECT UTILITIES CONFLICT DOES ARISE, THE PROPOSED PLANTING CAN BE MOVED WITH PRIOR APPROVAL OF THE ENGINEER.
2. USE EXTREME CAUTION WHEN EXCAVATING, INSTALLING, BACKFILLING AND COMPACTING AROUND EXISTING UTILITIES.

DESIGN SPEEDS		
SEGMENT	DESIGN SPEED	POSTED SPEED
PHASE 3C (13TH AVE. TO 17TH AVE.)	30 MPH	25 MPH

LEGEND

-  EXISTING TREE
-  CONTROL JOINT
-  ISOLATION JOINT
-  PAVERS
-  LITTER RECEPTACLE
-  BENCH

REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  LD-6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO	
					HILLSBOROUGH	21-C-00022	<b>GENERAL NOTES</b>	



**LEGEND**

	LIMIT OF HARDSCAPE WORK
	CONTROL JOINT
	ISOLATION JOINT
	PAVERS
	LITTER RECEPTACLE
	BENCH
	BIKE RACK
	BIKE MAINTENANCE STATION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID R. CONNER, RLA  
 LA0001327  
 DAVID CONNER + ASSOCIATES  
 100 E. MADISON ST, SUITE 200  
 TAMPA, FL 33602  
 CERT. OF AUTHORIZATION LC0000319

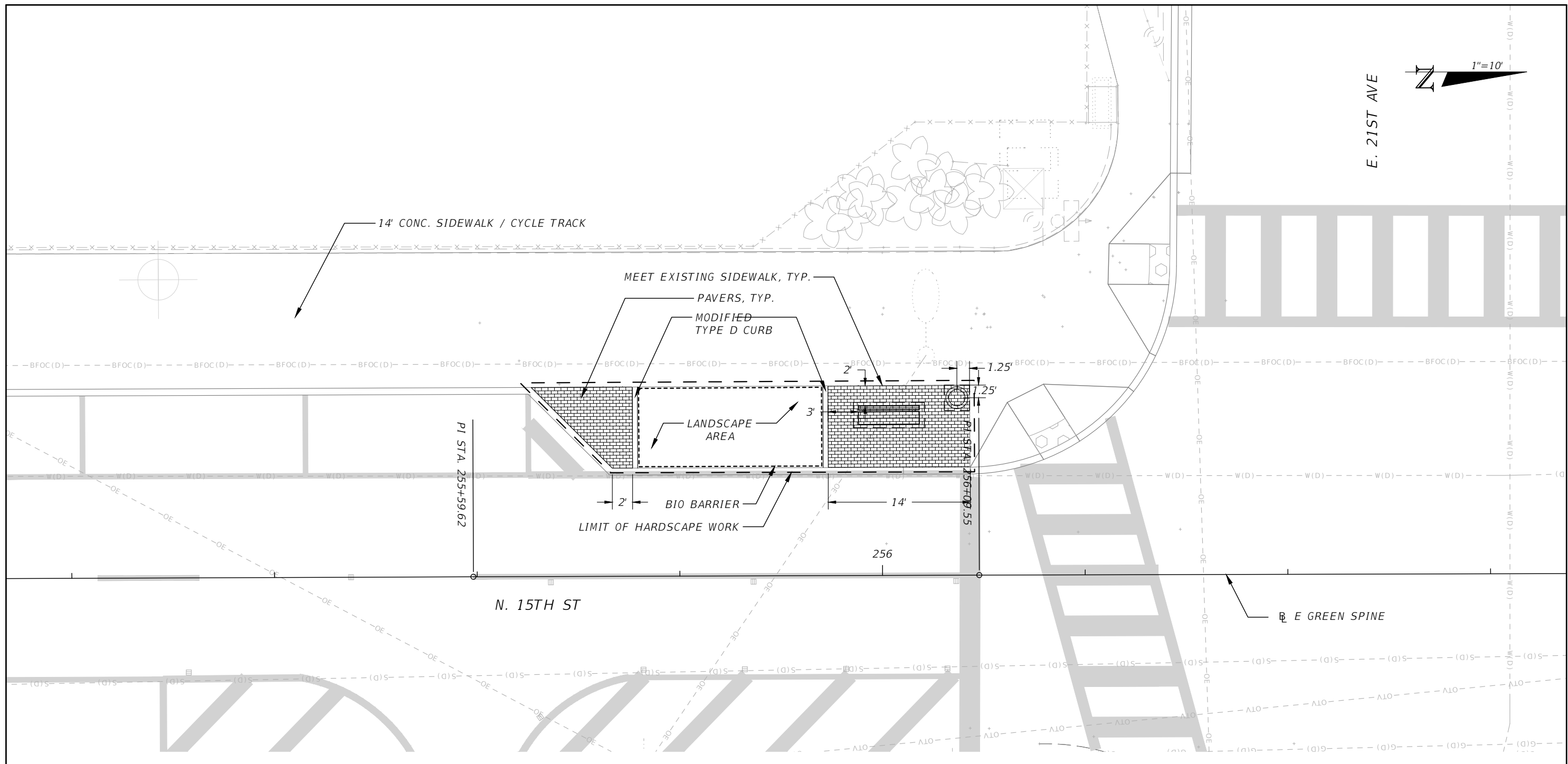
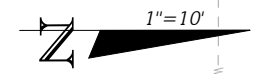
CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO
	HILLSBOROUGH	21-C-00022

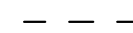


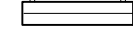
**HARDSCAPE PLANS (1)**

SHEET NO.
LD-7

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E. 21ST AVE



- LEGEND**
-  LIMIT OF HARDSCAPE WORK
  -  PAVERS
  -  LITTER RECEPTACLE
  -  BENCH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID R. CONNER, RLA  
 LA0001327  
 DAVID CONNER + ASSOCIATES  
 100 E. MADISON ST, SUITE 200  
 TAMPA, FL 33602  
 CERT. OF AUTHORIZATION LC0000319

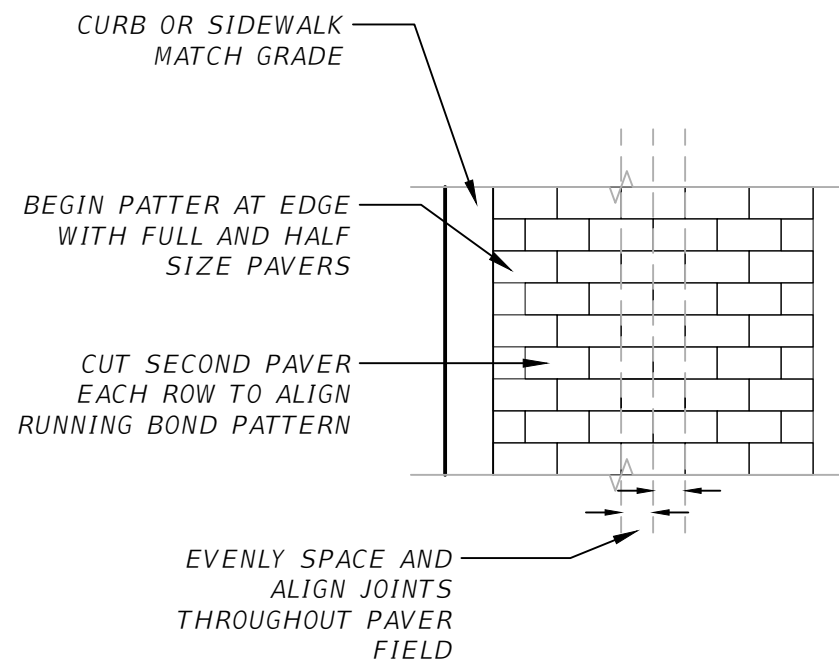
CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO
	HILLSBOROUGH	21-C-00022

**HARDSCAPE PLANS (2)**

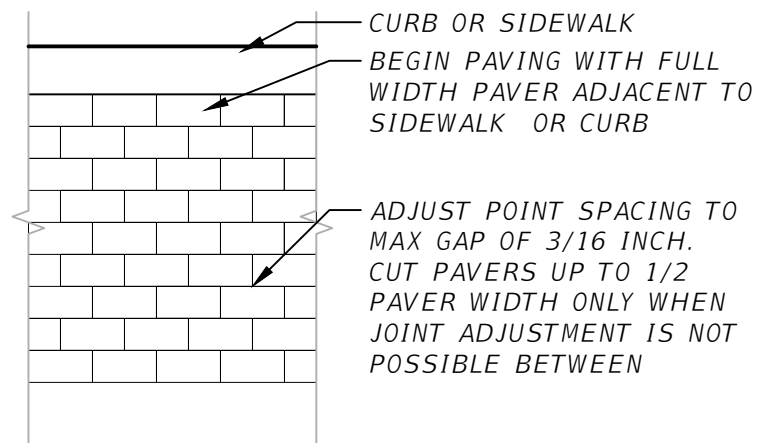
LD-8

SHEET NO.  
LD-8

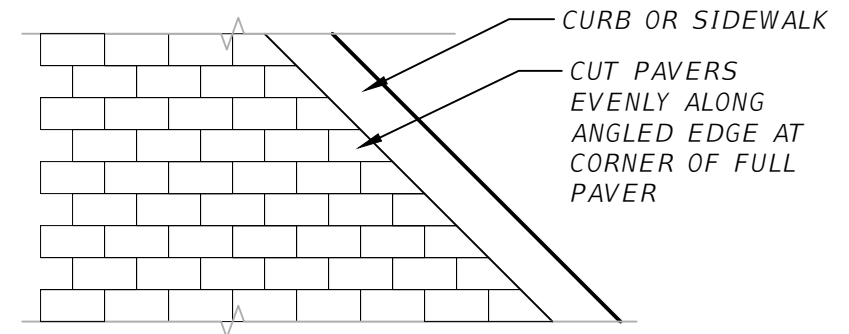
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PERPENDICULAR TO CURB OR SIDEWALK



PARALLEL TO CURB OR SIDEWALK



PAVING AT MISALIGNED EDGE

1

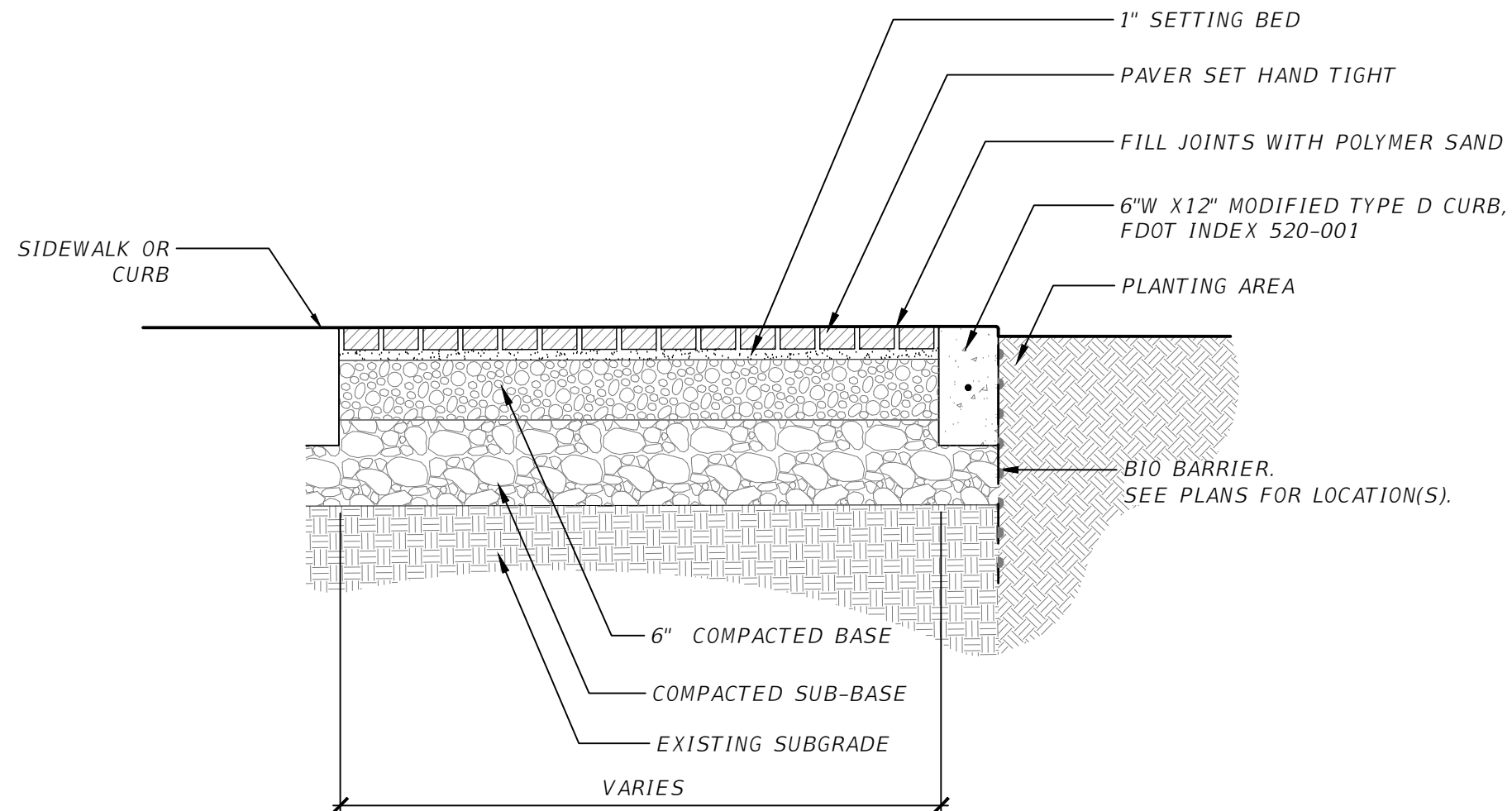
UNIT PAVING PATTERN - RUNNING BOND

1/2" = 1'-0"

DCA-GR-29

REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  LD-9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO	
					HILLSBOROUGH	21-C-00022	<b>HARDSCAPE DETAILS (1)</b>	





NOTE: BRICK BLOCK MAY BE AVAILABLE THROUGH CITY OF TAMPA STOCKPILE. CONTACT COT-CONSTRUCTION REPRESENTATIVE.

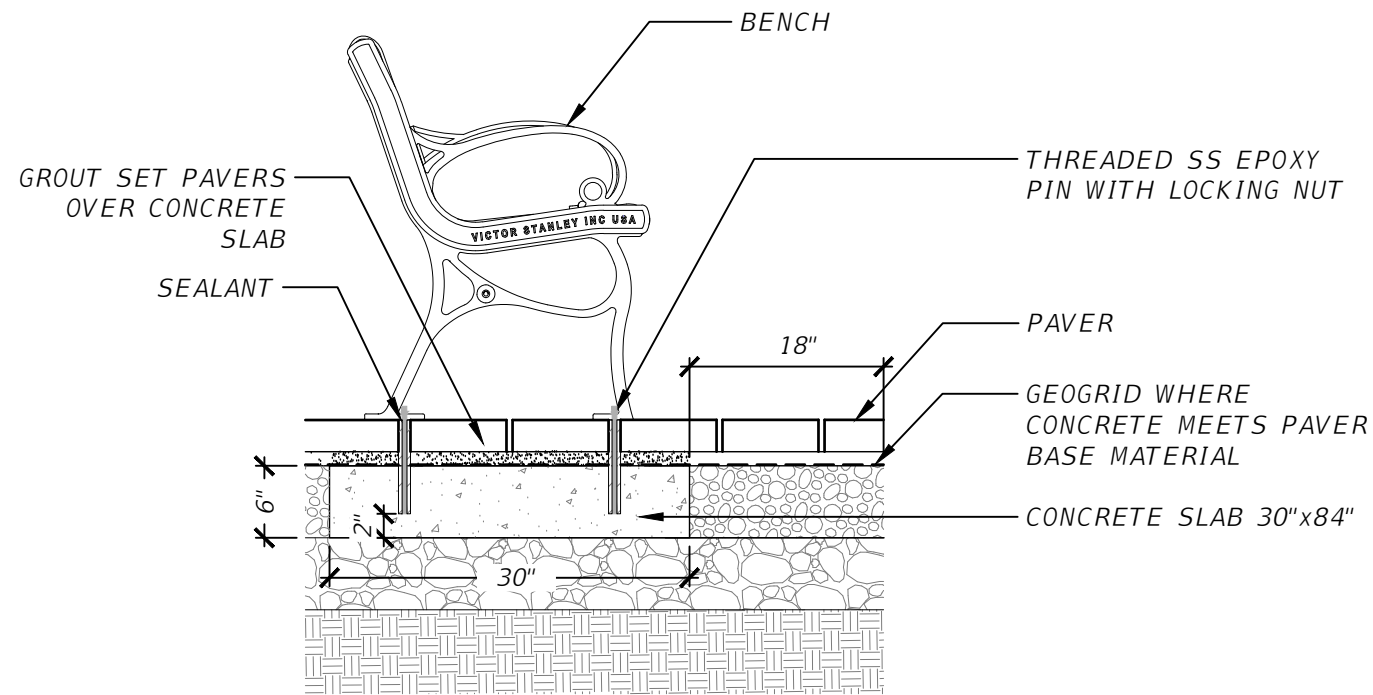
**TYPICAL UNIT PAVER SECTION**

1

3/4" = 1'-0"

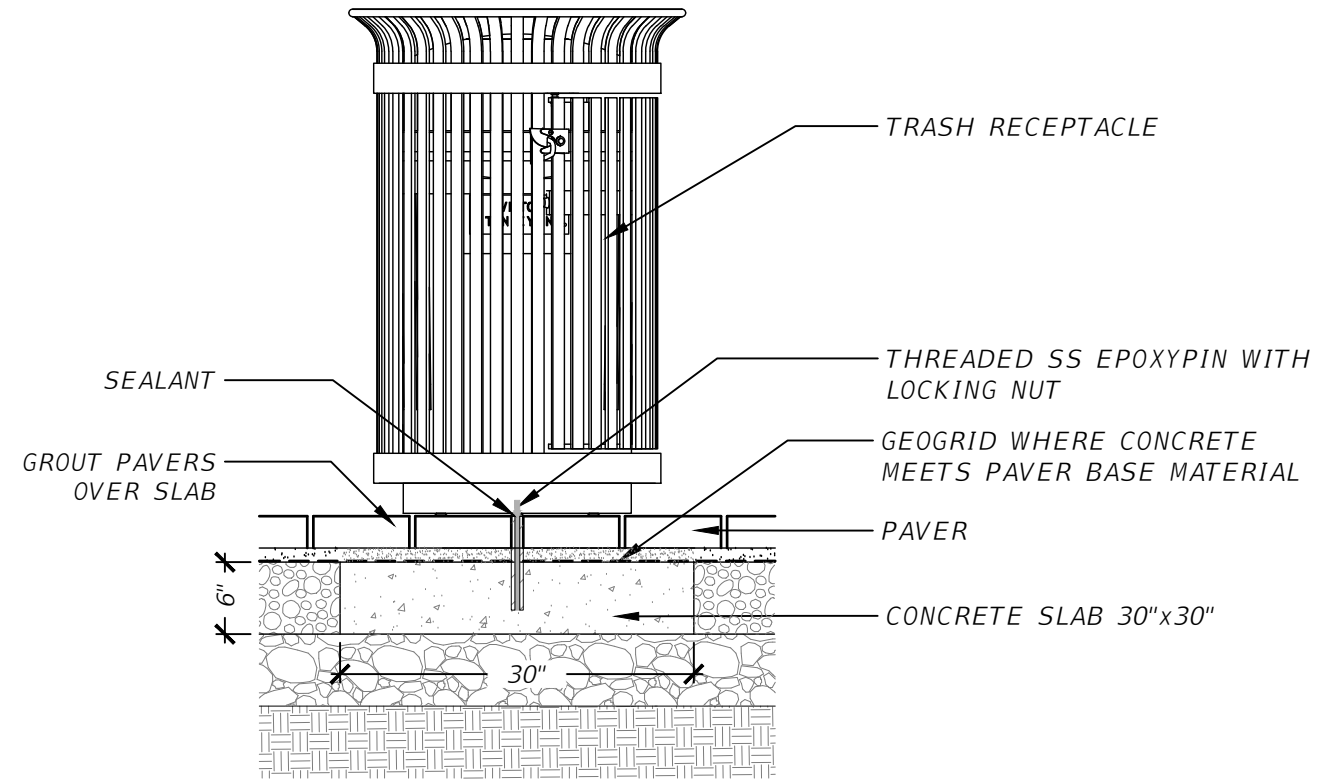
DCA-GR-24

REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  LD-10
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO	
					HILLSBOROUGH	21-C-00022	<b>HARDSCAPE DETAILS (2)</b>	



**1** BENCH MOUNTING DETAIL  
3/4" = 1'-0"

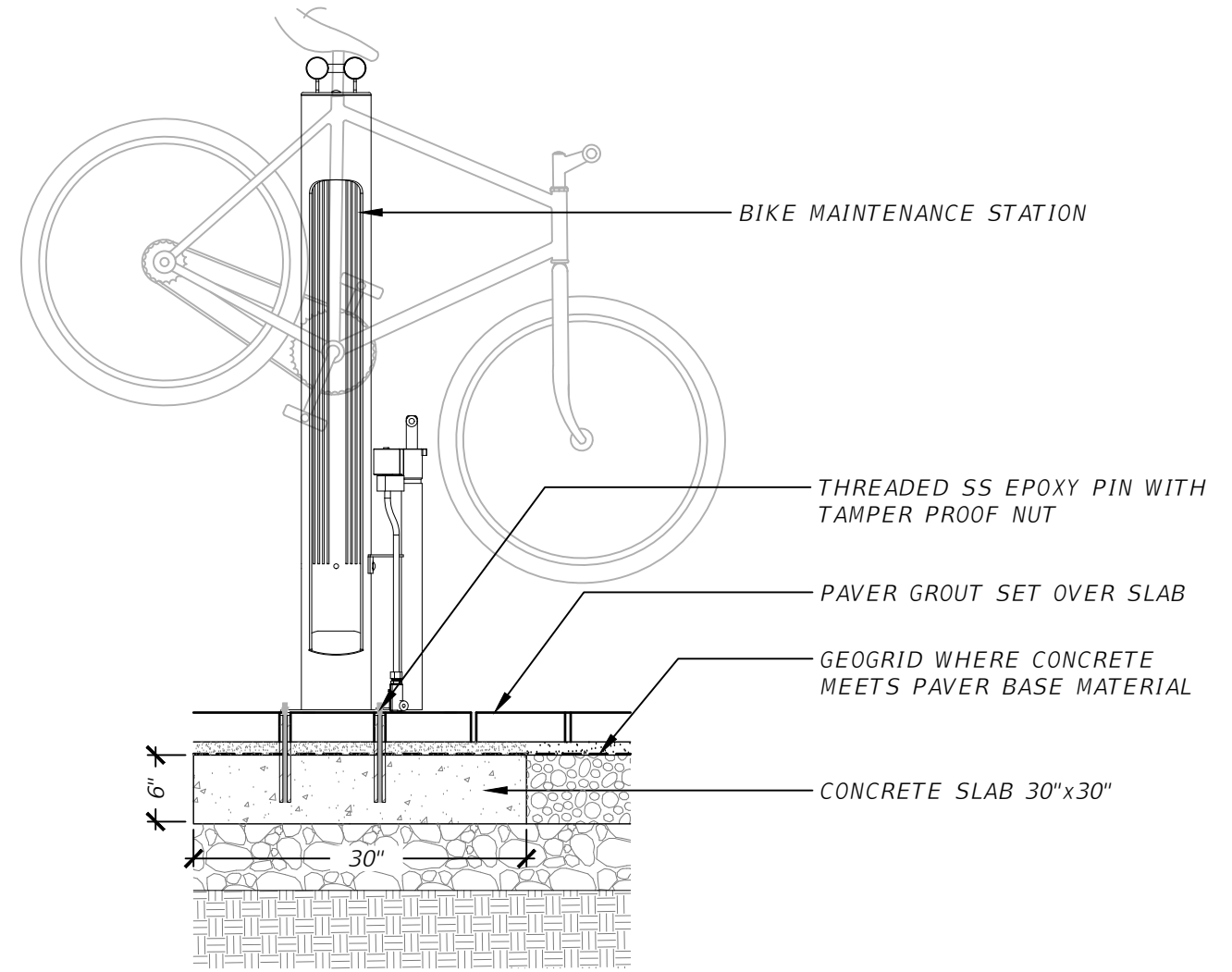
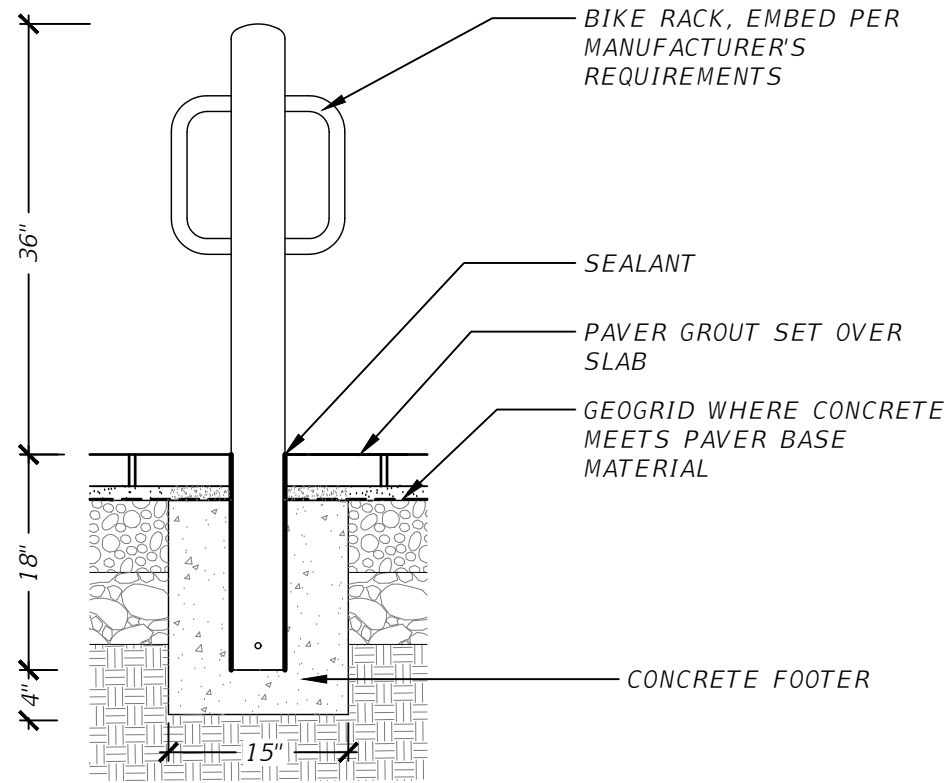
DCA-GR-32



**2** TRASH RECEPTACLE MOUNTING DETAIL  
3/4" = 1'-0"

DCA-GR-31

REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  LD-11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO	
					HILLSBOROUGH	21-C-00022	<b>HARDSCAPE DETAILS (3)</b>	



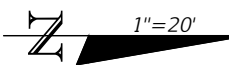
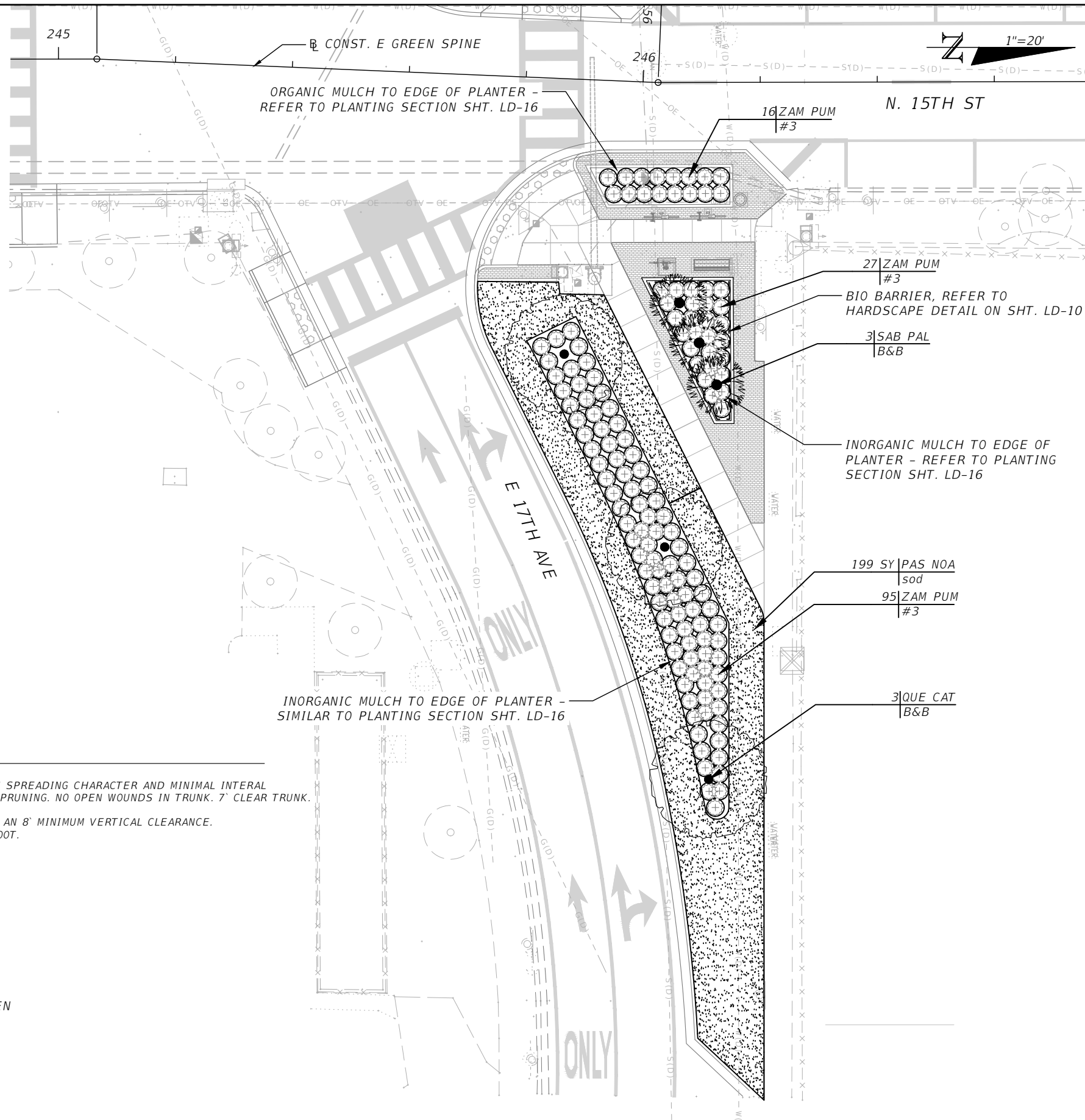
**1** BIKE RACK MOUNTING DETAIL  
3/4" = 1'-0"

DCA-GR-34

**2** BIKE MAINTENANCE STATION MOUNTING DETAIL  
3/4" = 1'-0"

DCA-GR-33

REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			<b>HARDSCAPE DETAILS (4)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO		LD-12
						HILLSBOROUGH	21-C-00022		



**PLANT SCHEDULE**

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	REMARKS
QUE CAT	3	QUERCUS VIRGINIANA 'CATHEDRAL' CATHEDRAL LIVE OAK	B&B	6" CAL.	20' HT X 10' SP	RPG TREES WITH SPREADING CHARACTER AND MINIMAL INTERNAL GROWTH. NO TIP PRUNING. NO OPEN WOUNDS IN TRUNK. 7' CLEAR TRUNK.
SAB PAL	3	SABAL PALMETTO SABAL PALM	B&B		14' CT	14' CT, MAINTAIN AN 8' MINIMUM VERTICAL CLEARANCE. REGENERATED ROOT.
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	REMARKS	
ZAM PUM	138	ZAMIA PUMILA COONTIE	#3	15" HT X 15" SP	36" O.C.	
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	SPACING	REMARKS
PAS NOA	199 SY	PASPALUM NOTATUM 'ARGENTINE' ARGENTINE BAHIAGRASS	SOD			

**NOTES:**

1. APPLY PRE-EMERGENT HERBICIDE TO ALL PLANT BEDS PRIOR TO APPLYING MULCH.
2. TREES TO COUNT TOWARDS TREE REPLACEMENT REQUIREMENTS FOR TREES REMOVED FOR E/W GREEN SPINECYCLE TRACK PHASE 3A - NUCCIO PARKWAY FROM NORTH NEBRASKA AVE TO 7TH AVE.

REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  LD-13
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO	
					HILLSBOROUGH	21-C-00022	<b>PLANTING PLANS (1)</b>	

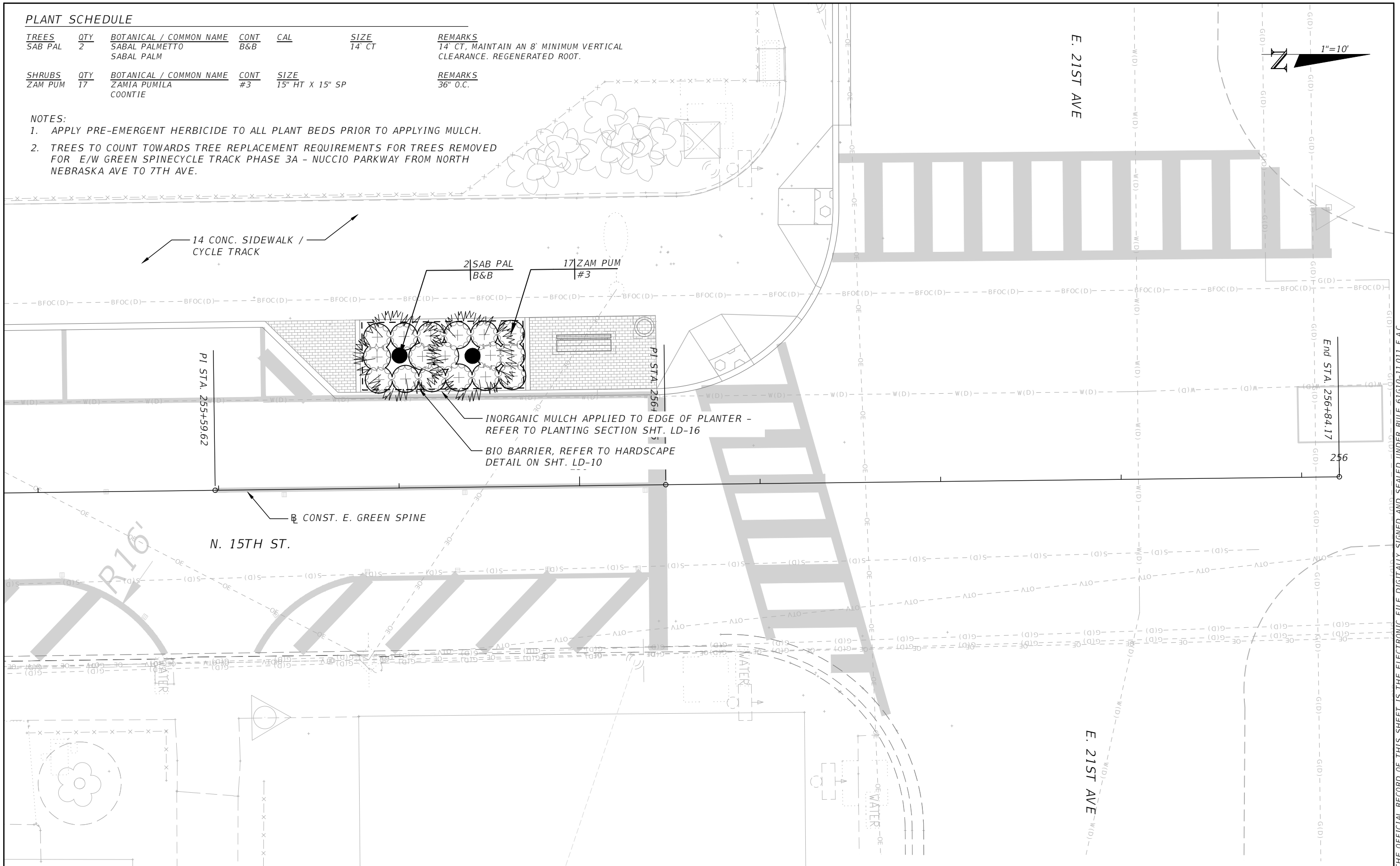
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011 F.A.C.

**PLANT SCHEDULE**

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	REMARKS
SAB PAL	2	SABAL PALMETTO SABAL PALM	B&B		14" CT	14" CT, MAINTAIN AN 8" MINIMUM VERTICAL CLEARANCE. REGENERATED ROOT.
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	REMARKS	
ZAM PUM	17	ZAMIA PUMILA COONTIE	#3	15" HT X 15" SP	36" O.C.	

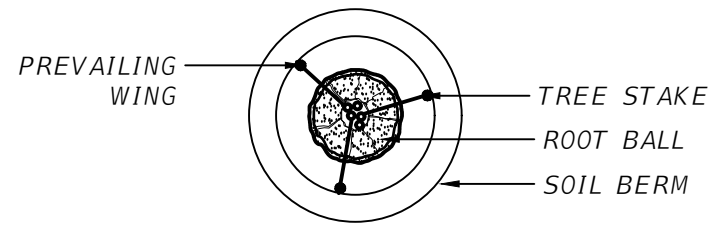
**NOTES:**

1. APPLY PRE-EMERGENT HERBICIDE TO ALL PLANT BEDS PRIOR TO APPLYING MULCH.
2. TREES TO COUNT TOWARDS TREE REPLACEMENT REQUIREMENTS FOR TREES REMOVED FOR E/W GREEN SPINE/CYCLE TRACK PHASE 3A - NUCCIO PARKWAY FROM NORTH NEBRASKA AVE TO 7TH AVE.

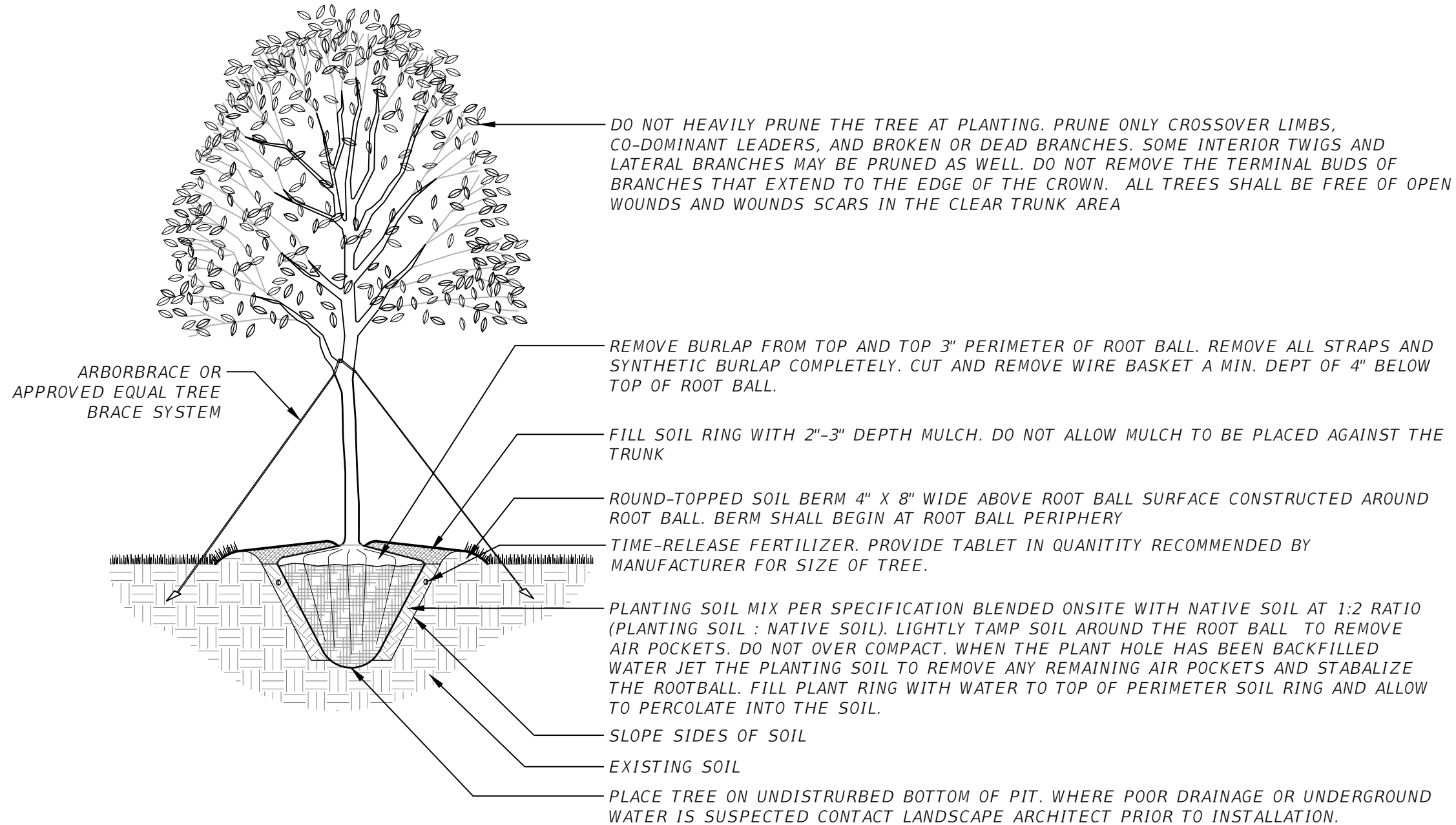


THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011 F.A.C.

REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			<b>PLANTING PLANS (2)</b>  LD-14
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.	
						HILLSBOROUGH	21-C-00022	



STAKING PLAN



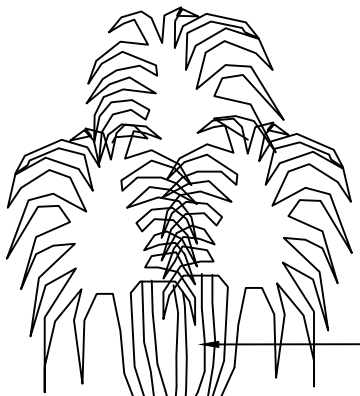
NOTES:  
 1) PULL MULCH AWAY FROM TRUNK OF TREE. NO MORE THAN 1" OF MULCH ON TOP OF ROOT BALL.  
 2) APPLY PRE-EMERGENT HERMICIDE TO ALL PLANTING BEDS PRIOR TO APPLYING MULCH.

**1** LARGE TREE PLANTING  
 1/4" = 1'-0"

DCA-GR-09

REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  LD-15
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO	
					HILLSBOROUGH	21-C-00022	<b>PLANTING DETAILS (1)</b>	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011 F.A.C.



PALM TREE

ADJUST TREE OR PALM BRACING TO ALLOW FOR SHRUBS TO BE EVENLY SPACED. IF TREES OR PALMS ARE PLACED BEFORE SHRUBS, REMOVE BRACING DURING SHRUB INSTALLATION AND RESET TO ADJUST TO SHRUB LAYOUT.

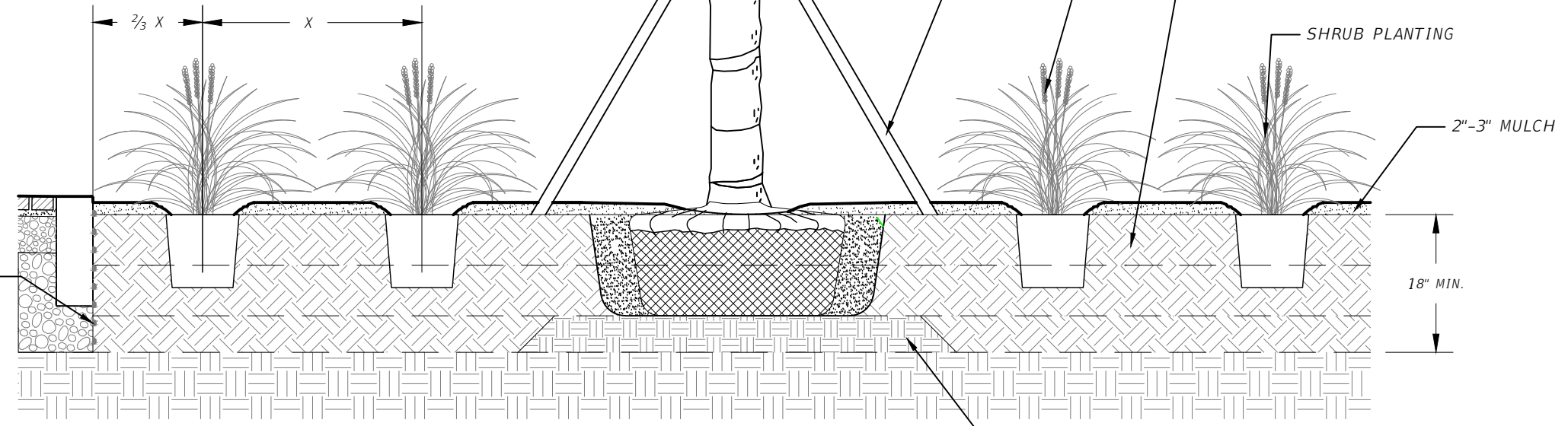
PLACE SHRUB PLANTING AROUND TREES OR PALMS SUCH THAT ROWS OF SHRUBS ARE CONTINUOUS. DO NOT PLACE SHRUB PLANTING IN TREE OR PALM ROOT BALL. ADJUST SHRUB PLANTING SO THAT FINAL PLACEMENT OF SHRUBS IS ORGANIZED AND ORDERLY SO THAT THE SHRUBS FILL IN TOGETHER IN A CONSISTENT MANNER.

FILL DIRT. 18" MIN. PLACE IN 6" LIFTS. COMPACT EACH LIFT TO REMOVE AIR POCKETS AND PROVIDE FIRM SOIL FOR PLANTING. ENSURE THERE IS NOT CONSTRUCTION DEBRIS BENEATH FILL DIRT. DO NOT OVER COMPACT TO PREVENT DRAINAGE TO NATIVE SOIL

PLACE SHRUB ROWS ALONG PERIMETER OF BED OR PAVING AREA IN STRAIGHT, EVENLY SPACED LINES. SET SHRUBS 2/3 SPACING DIMENSION FROM EDGE OF BED.



BIO BARRIER (SEE PLAN FOR LOCATION)



NOTE: APPLY PRE-EMERGENT HERBICIDE TO ALL PLANTING BEDS PRIOR TO APPLYING MULCH.

SET TREES AND PALMS ON FIRM SOIL TO PREVENT SETTLEMENT.

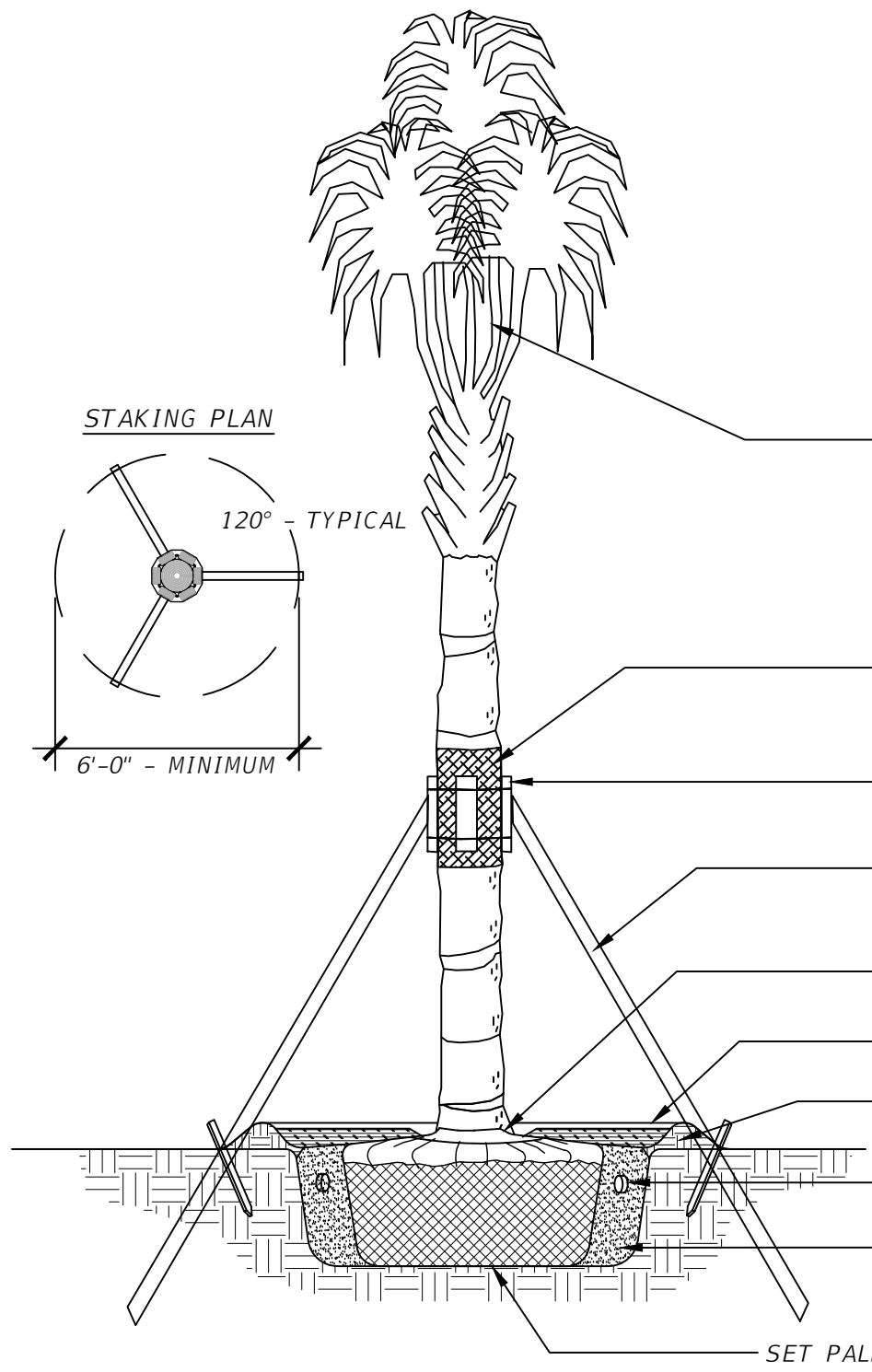
**1** AT GRADE PLANTING AREA SECTION  
1/2" = 1'-0"

DCA-GR-30

REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  LD-16
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.	
					HILLSBOROUGH	21-C-00022	<b>PLANTING DETAILS (2)</b>	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011 F.A.C.





**CROWN AND TRUNK**  
 PALM FRONDS SHALL BE TIED UP UNTIL AFTER PLANTING. TIES SHALL BE REMOVED AFTER PLANTING AS DIRECTED IN THE FIELD AND AGREED UPON BETWEEN THE OWNER, LANDSCAPE ARCHITECT AND LANDSCAPE CONTRACTOR SUCH THAT THE PALM IS FULLY ACCLIMATED TO THE PROJECT SITE.

REMOVE ALL DEAD OR BROKEN FRONDS. NEVER CUT BUD. ALL TRUNKS SHALL BE PROTECTED DURING TRANSPORT FROM DAMAGE. DAMAGED PALMS WILL BE REJECTED.

TIE FRONDS DURING TRANSPORT. REMOVE ALL TIES AFTER INSTALLATION.

THREE (3) LAYERS OF BURLAP LOOSELY WRAPPED AROUND PALM TO ALLOW AIRFLOW TO TRUNK.

SIX (6) 2" X 4" X 12" P.T. WOOD BATTENS WITH TWO (2) STEEL BANDS TO SECURE BATTENS. PAINT DARK BROWN.

THREE (3) 2" X 4" P.T. WOOD BRACES TOE NAIL TO BATTENS. DRIVE BRACES INTO UNDISTURBED EARTH. PAINT DARK BROWN.

SET TOP OF ROOT BALL 2" ABOVE FINISH GRADE.

2"-3" MULCH, DO NOT PLACE MULCH AGAINST TRUNK OF PALM

6" SOIL BERM

TIME-RELEASE FERTILIZER. PROVIDE TABLET IN QUANTITY RECOMMENDED BY MANUFACTURER FOR SIZE OF TREE.

12" PLANTING SOIL AROUND PERIMETER OF ROOT BALL.  
 PLANT BACKFILL: 1 PART PLANTING SOIL, 4 PARTS NATIVE SOIL

SET PALM ROOT BALL ON STABLE NATIVE SOIL TO PREVENT SETTLING.

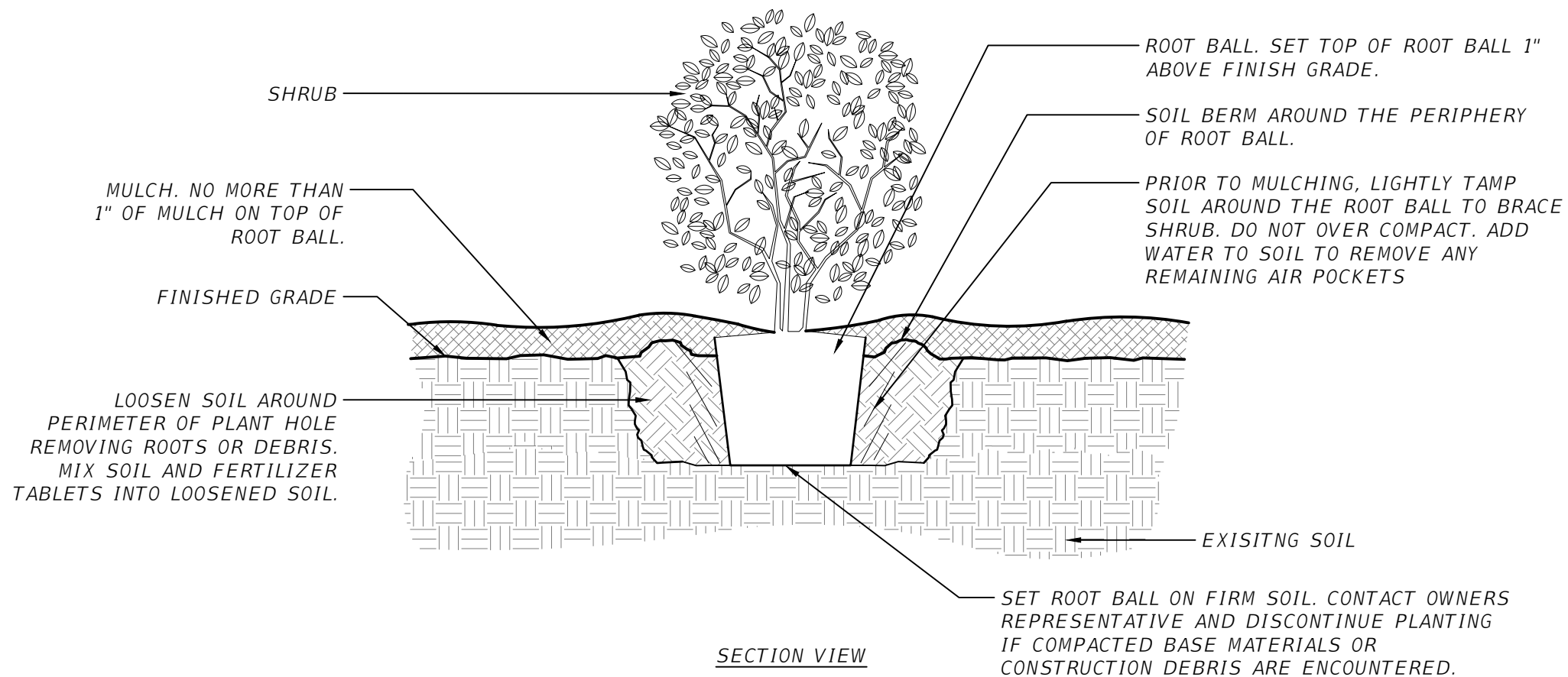
NOTE: APPLY PRE-EMERGENT HERBICIDE PRIOR TO APPLYING MULCH

**1 PALM STAKING**  
 1/2" = 1'-0"

003293-25

REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  LD-17
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO	
					HILLSBOROUGH	21-C-00022	<b>PLANTING DETAILS (3)</b>	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011 F.A.C.



NOTE: APPLY PRE-EMERGENT HERBICIDE PRIOR TO APPLYING MULCH

1

SHRUB - MODIFIED SOIL

3/4" = 1'-0"

DCA-GR-06

REVISIONS				DAVID R. CONNER, RLA LA0001327 DAVID CONNER + ASSOCIATES 100 E. MADISON ST, SUITE 200 TAMPA, FL 33602 CERT. OF AUTHORIZATION LC0000319	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  LD-18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO	
					HILLSBOROUGH	21-C-00022	<i>PLANTING DETAILS (4)</i>	

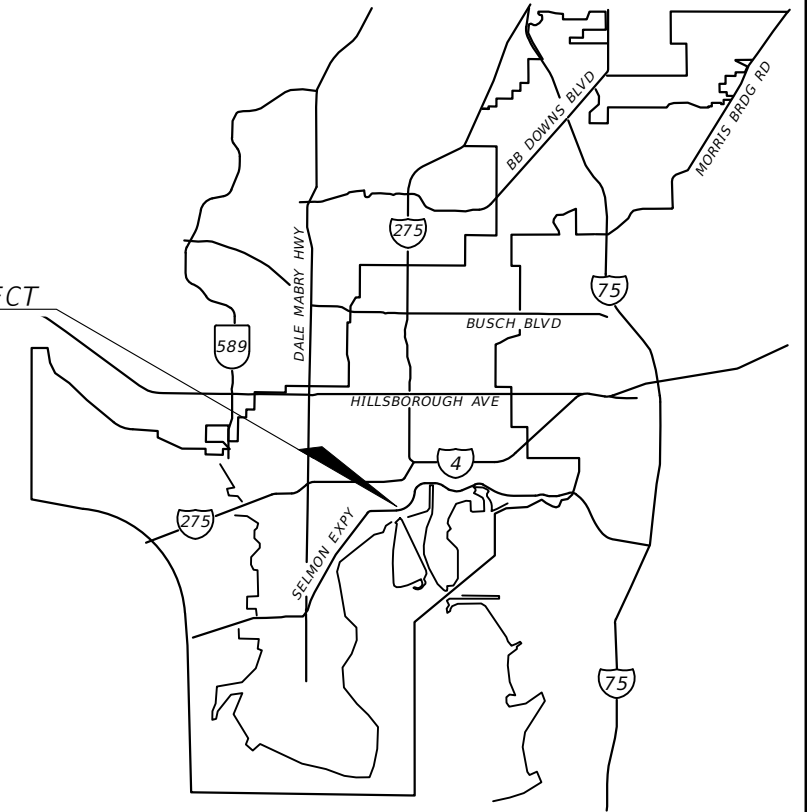
**CITY OF TAMPA  
MOBILITY DEPARTMENT**

**CONTRACT PLANS**

FINANCIAL PROJECT ID 439476-4-58-01  
(FEDERAL FUNDS)

E/W GREEN SPINE CYCLE TRACK -  
PH. 3C FROM 13TH AVE. TO 21ST AVE.

LOCATION OF PROJECT



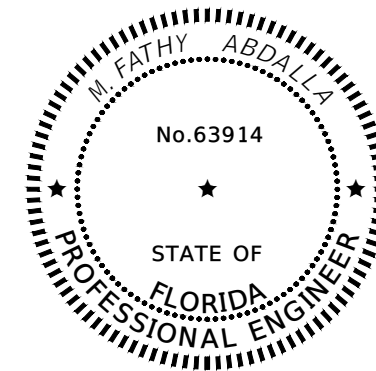
INDEX OF SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	TABULATION OF QUANTITIES
S-3	SIGNING AND PAVEMENT MARKING DETAILS
S-4	GENERAL NOTES
S-5 THRU S-9	SIGNING AND MARKING PLANS

**SIGNING AND PAVEMENT MARKING PLANS**

FINAL SUBMITTAL  
FEBRUARY 2023

THIS ITEM HAS BEEN DIGITALLY SIGNED  
AND SEALED BY



ON THE DATE ADJACENT TO THE SEAL

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

KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602  
FATHY ABDALLA, P.E. NO. 63914

CITY OF TAMPA PROJECT MANAGER:

NINA S. MABILLEAU E.I.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
21-C-00022	23	S-1

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

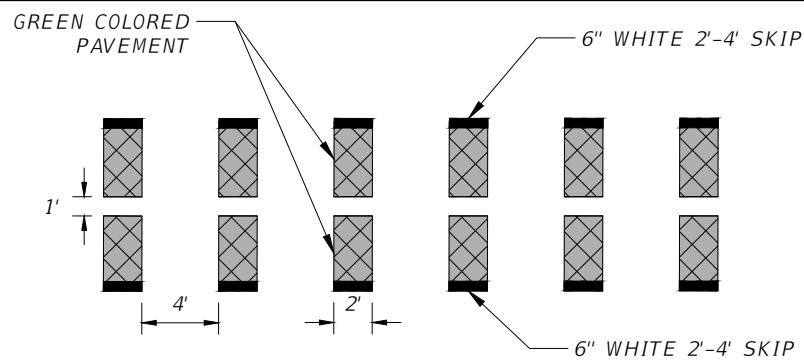
PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			15TH STREET FROM 13TH AVE TO 21ST STREET																	
			S-5		S-6		S-7		S-8		S-9									
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
523-1-3	PATTERNED PAVEMENT, INCLUDING GREEN BIKE LANES	SY			70		58										128			
654-2-21	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE SIGN ASSEMBLY- SINGLE DIRECTION	AS			2												2			
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	1		6		2		1								10			
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS					1										1			
700-1-18	SINGLE POST SIGN, F&I GROUND MOUNT, IN-STREET FLEXIBLE POST SIGN	AS	1		4		3										8			
700-1-50	SINGLE POST SIGN, RELOCATE	AS					4		2								6			
700-1-60	SINGLE POST SIGN, REMOVE	AS			2		5		1								8			
705-11-3	DELINEATOR, FLEXIBLE HIGH VISABILITY MEDIAN	EA	1		9		5										15			
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS																		
*	RAISED PAVEMENT MARKER, TYPE B	EA	2		8		30		50								90			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM			0.123		0.185		0.227		0.127						0.662			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	GM			0.003		0.003		0.069		0.040						0.115			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF			68		510				174						752			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF					9		182		116						307			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	4		119		617		38		188						966			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	0.023		0.106		0.045				0.061						0.235			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM			0.151		0.104										0.255			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	2		8		10										20			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	2		8		11										21			
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.028		0.049		0.077		0.032		0.008						0.194			
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	138		288		42										468			
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SKIP, 6"	GM	0.018		0.059		0.045										0.122			
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	4		25		15										44			
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF			68		510				174						752			
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF					9		182		116						307			
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	4		119		107		38		28						294			
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM			0.151		0.104										0.255			
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA					3										3			
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	2		8		11										21			
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	138		288		42										468			
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF					510				160						670			
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, SYMBOL (BIKE)	EA	2		8		7										17			
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM			0.123		0.185		0.227		0.127						0.662			
711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM			0.003		0.003		0.069		0.040						0.115			
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM	0.023		0.106		0.045		0.108		0.061						0.343			
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.028		0.049		0.077		0.032		0.008						0.194			
711-16-202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM					0.003										0.003			
711-16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6", 3-9 SKIP	GM	0.018		0.059		0.045										0.122			

\* 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.

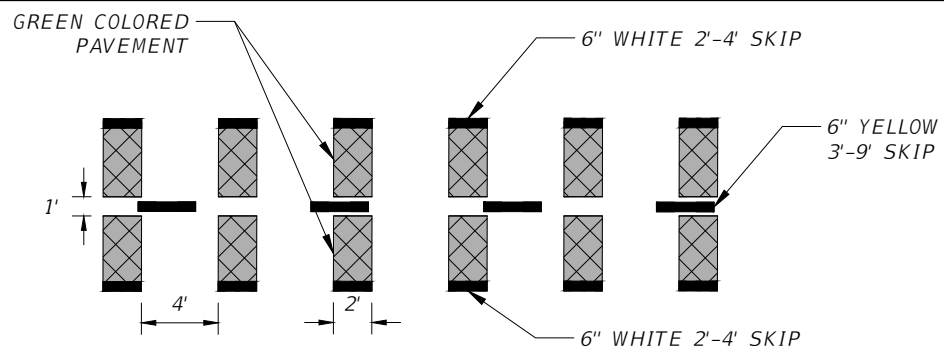
REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.  5-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.	
						HILLSBOROUGH	21-C-00022	

TABULATION OF QUANTITIES

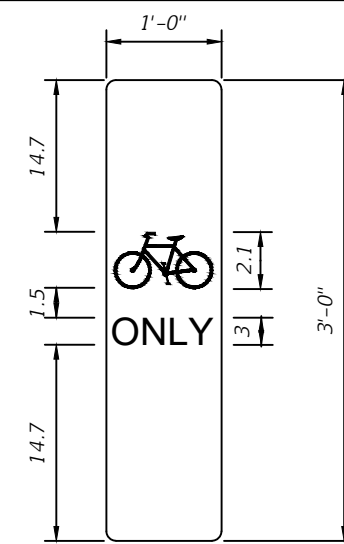
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TYPICAL INTERSECTION BIKE CROSSING DETAIL  
(PAY ITEM 523-1-3)  
(NTS)



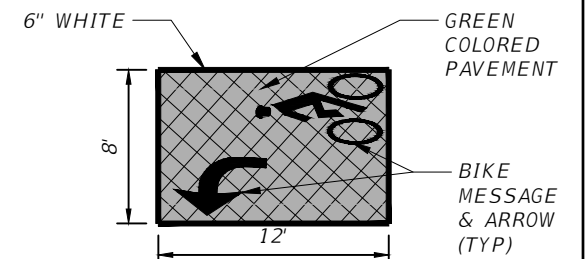
TYPICAL DRIVEWAY BIKE CROSSING DETAIL  
(PAY ITEM 523-1-3)  
(NTS)



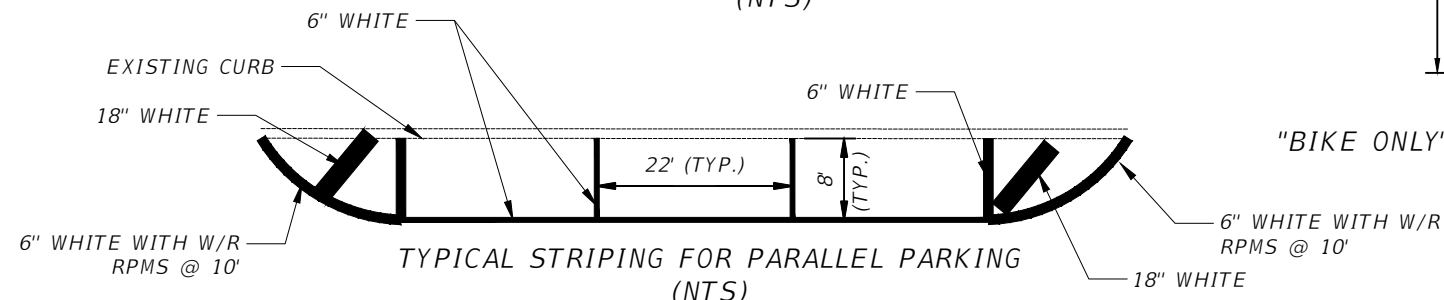
SIGN GM-1  
"BIKE ONLY" SYMBOL SIGN DETAIL  
(NTS)

FABRICATE SPECIAL 12"X36" "BIKE ONLY" SYMBOL SIGN ON REFLECTING SHEETING AND AFFIX IT TO THE REFLECTIVE SHEETING AREA ON THE FACE OF THE FLEXIBLE VERTICAL PANEL. SIGN PANEL SHALL BE WHITE SIGN WITH BLACK LEGEND.

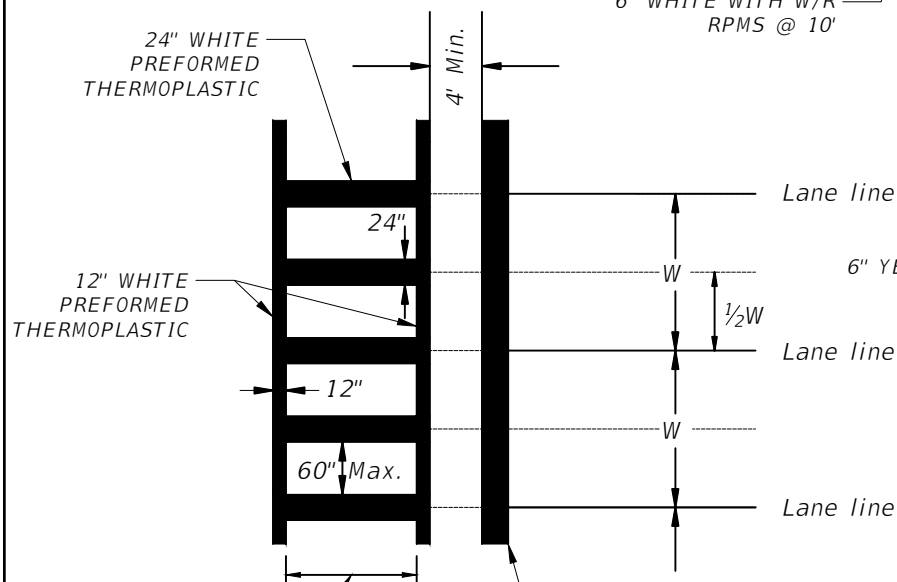
ALL COSTS ASSOCIATED WITH THE FABRICATION AND INSTALLATION OF THIS SIGN AND MOUNTING SHALL BE INCLUDED IN PAY ITEM 700-1-18.



TYPICAL 2-STAGE BIKE BOX DETAIL  
(NTS)

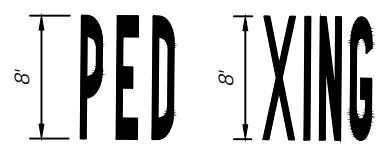


TYPICAL STRIPING FOR PARALLEL PARKING  
(NTS)

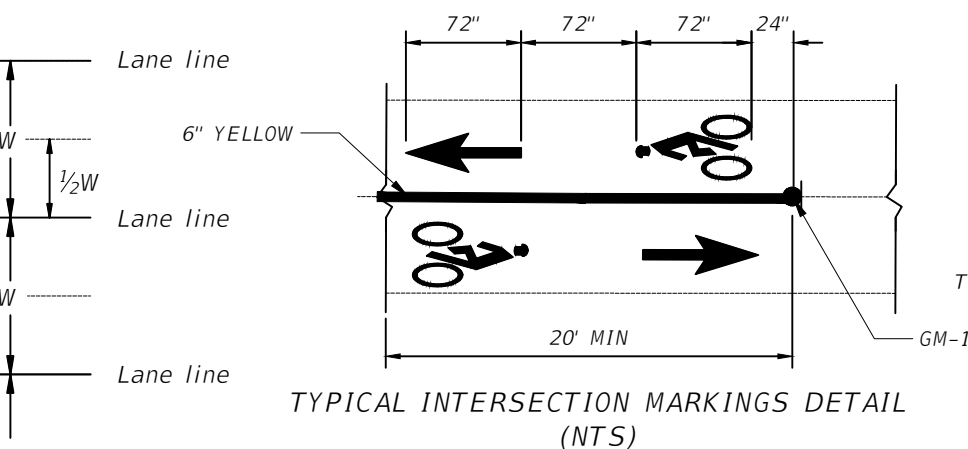


CROSSWALK WIDTH SHALL BE 10' UNLESS OTHERWISE NOTED IN THE PLANS

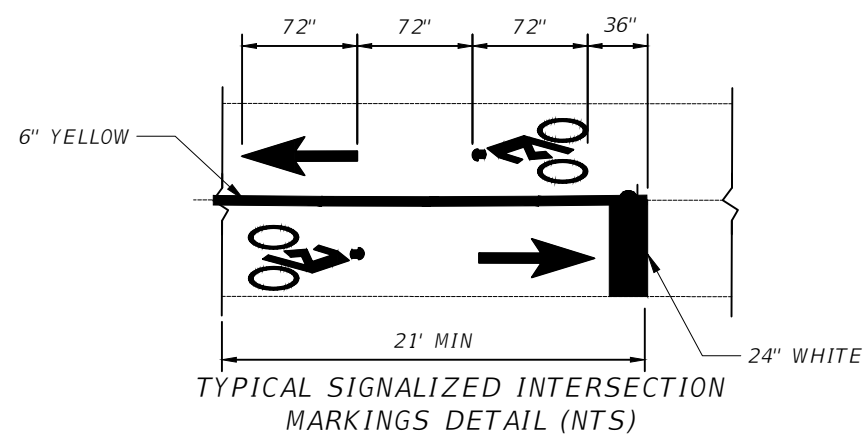
TYPICAL CROSSWALK DETAIL  
(NTS)



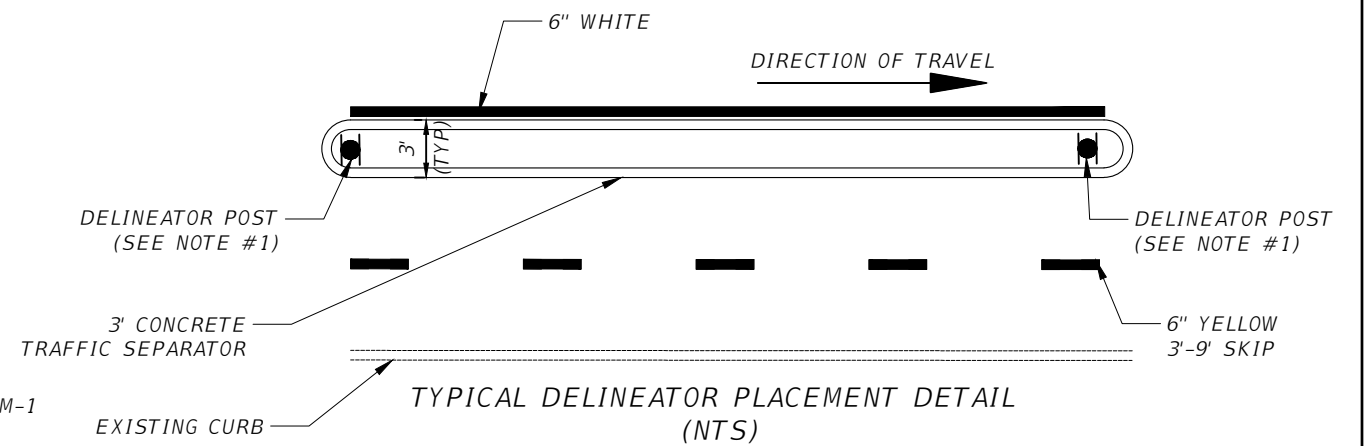
PEDESTRIAN MARKING DETAIL  
(NTS)



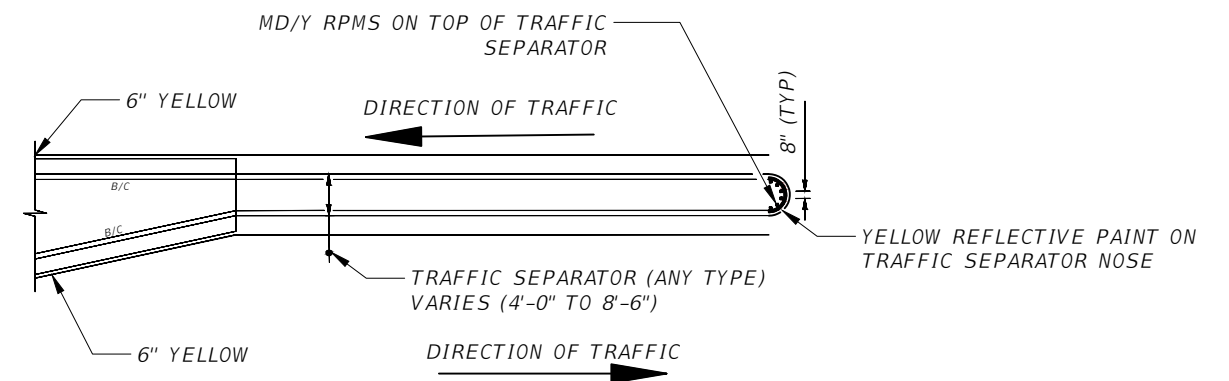
TYPICAL INTERSECTION MARKINGS DETAIL  
(NTS)



TYPICAL SIGNALIZED INTERSECTION MARKINGS DETAIL (NTS)



TYPICAL DELINEATOR PLACEMENT DETAIL  
(NTS)



RPM PLACEMENT AT TRAFFIC SEPARATORS  
DETAIL (NTS)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602  
ENGINEER OF RECORD:  
FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

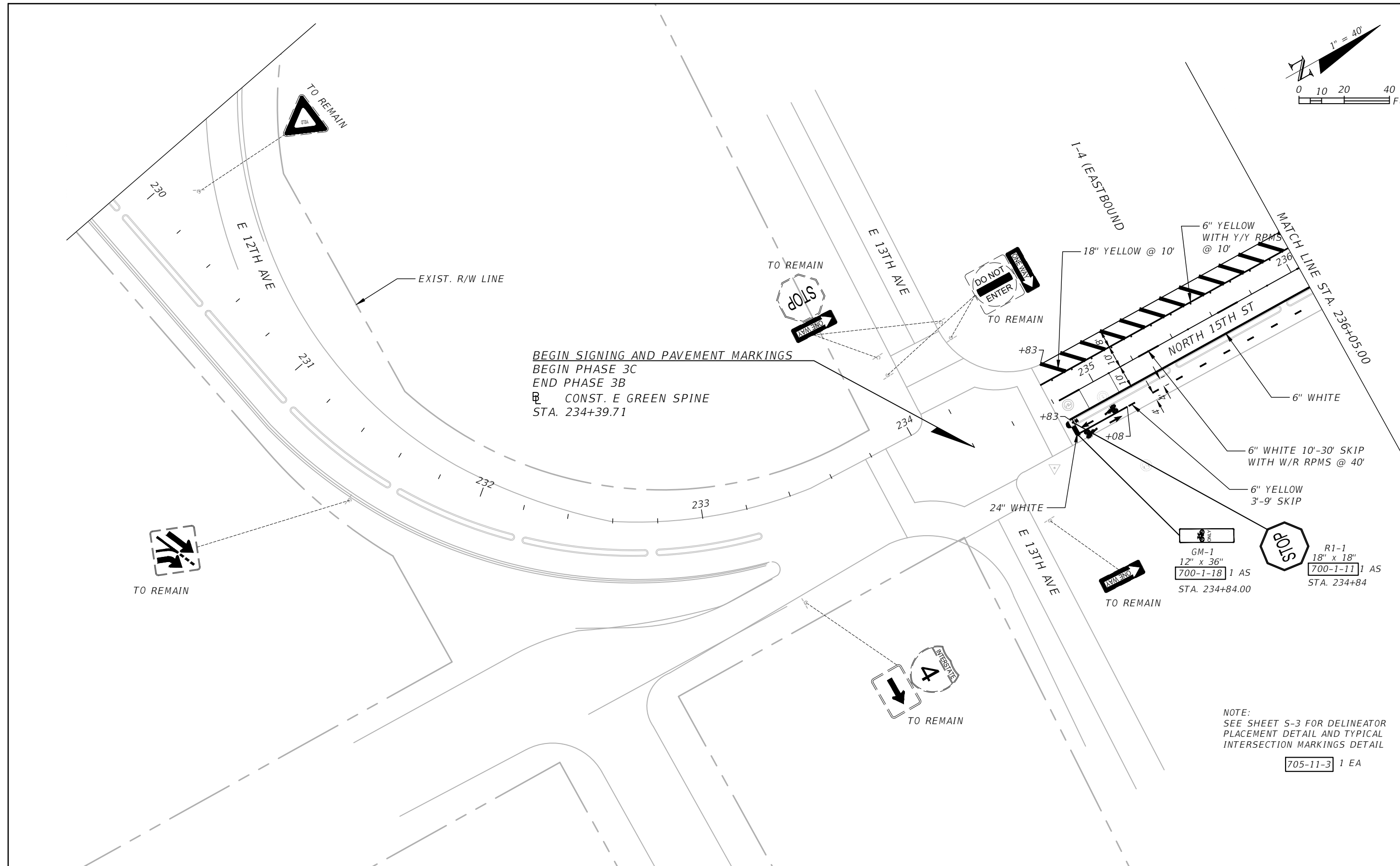
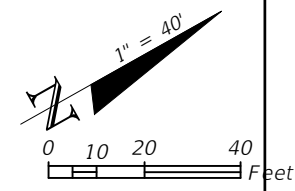
**SIGNING & PAVEMENT MARKING  
DETAILS**

SHEET  
NO.  
S-3

GENERAL NOTES:

1. USE YELLOW RETRO-REFLECTIVE SHEETING ON BOTH SIDES OF THE DELINEATOR. INSTALL THE POST SO THAT THE TOP IS 4' ABOVE THE GRADE AT THE EDGE OF THE PAVEMENT.
2. ALL PEDESTRIAN/BICYCLE WARNING SHALL BE IN ACCORDANCE WITH THE MUTCD, SECT. 1A-12, COLOR CODE "F"-FLUORESCENT YELLOW-GREEN.
3. PAVEMENT MARKINGS ON ASPHALT PAVEMENT SHALL BE STANDARD THERMOPLASTIC EXCEPT FOR BICYCLE MARKINGS AND SPECIAL EMPHASIS CROSSWALKS. USE PREFORMED THERMOPLASTIC FOR BICYCLE MARKINGS AND SPECIAL EMPHASIS CROSSWALKS.
4. UNLESS OTHERWISE NOTED ON PLAN SHEETS, ALL PROPOSED CROSSWALKS ACROSS MAIN STREETS SHALL BE 10' IN WIDTH AND ALL CROSSWALKS ACROSS SIDE STREETS SHALL BE 6' IN WIDTH. MEASUREMENTS SHALL BE FROM INSIDE TO INSIDE OF 12" STRIPES.
5. PAY ITEM FOOT NOTE 710-90 SHALL INCLUDE ALL PAVEMENT MARKINGS APPLICATIONS NEEDED BEFORE APPLYING THE THERMOPLASTIC APPLICATION.
6. ALL BRICK STREETS AND GRANITE CURBS SHALL BE RETAINED AND PRESERVED IN PLACE.

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<i>GENERAL NOTES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		S-4
						HILLSBOROUGH	21-C-00022		



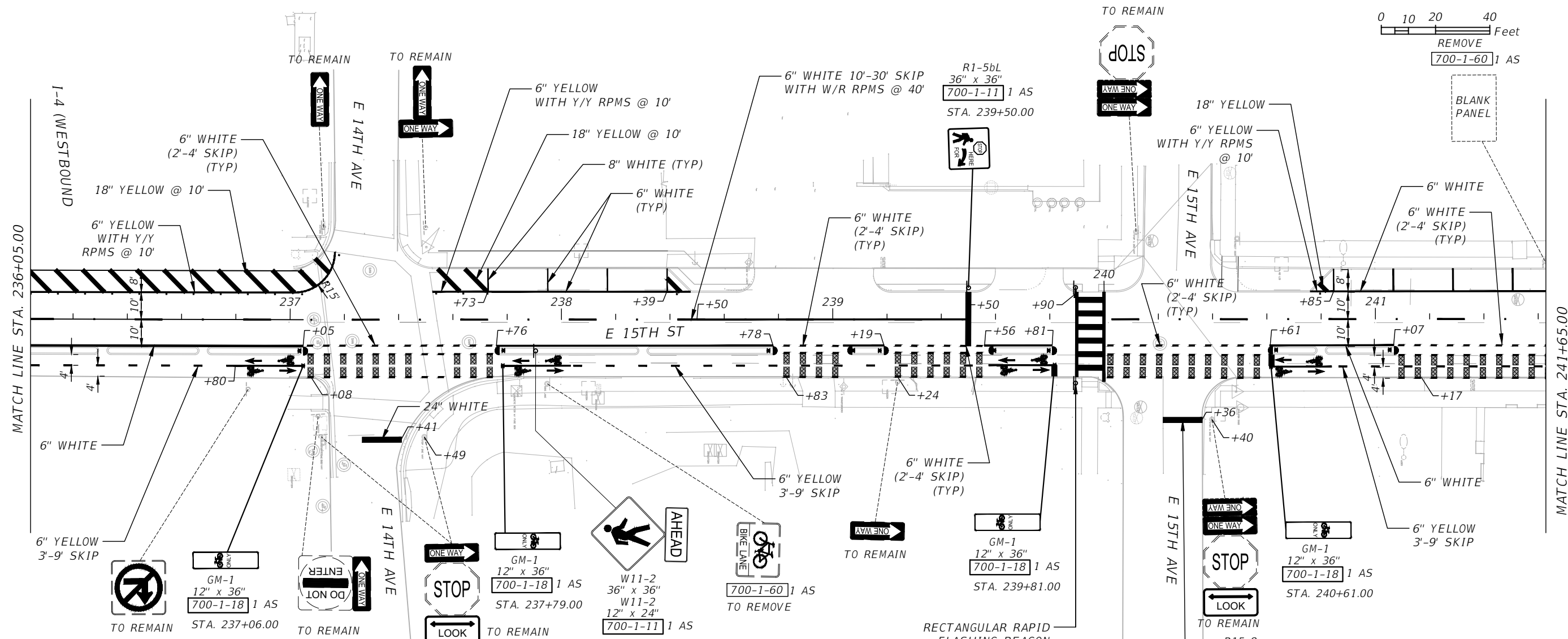
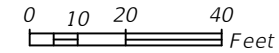
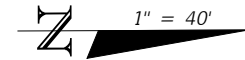
BEGIN SIGNING AND PAVEMENT MARKINGS  
 BEGIN PHASE 3C  
 END PHASE 3B  
 CONST. E GREEN SPINE  
 STA. 234+39.71

NOTE:  
 SEE SHEET S-3 FOR DELINEATOR  
 PLACEMENT DETAIL AND TYPICAL  
 INTERSECTION MARKINGS DETAIL

705-11-3 1 EA

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

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<b>SIGNING AND PAVEMENT          MARKING PLAN (1)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
						HILLSBOROUGH	21-C-00022		



**SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON**

**NOTES:**

- SEE FDOT STANDARD PLANS INDEX 654-001 FOR RRFB DETAILS
- EACH RRFB SHALL BE A SELF-CONTAINED SYSTEM, INCLUDING A SOLAR POWER SUPPLY AND A DIGITAL RADIO COMMUNICATION SYSTEM. THE FLASHING TIME SHALL BE SET AT 20 SECONDS.
- REVERSE W 16-7P AND TACTILE ARROW PUSH BUTTON AS NEEDED FOR OPPOSITE SIDE.
- REVERSE R10-25 AS NEEDED FOR OPPOSITE SIDE.

W11-15  
36" X 36"

W16-7P  
24" X 12"

R10-25  
9" X 12"

NOTE:  
SEE SHEET S-3 FOR DELINEATOR  
PLACEMENT DETAIL AND TYPICAL  
INTERSECTION MARKINGS DETAIL

705-11-3 9 EA

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602  
ENGINEER OF RECORD:  
FATHY ABDALLA, P.E. NO: 63914

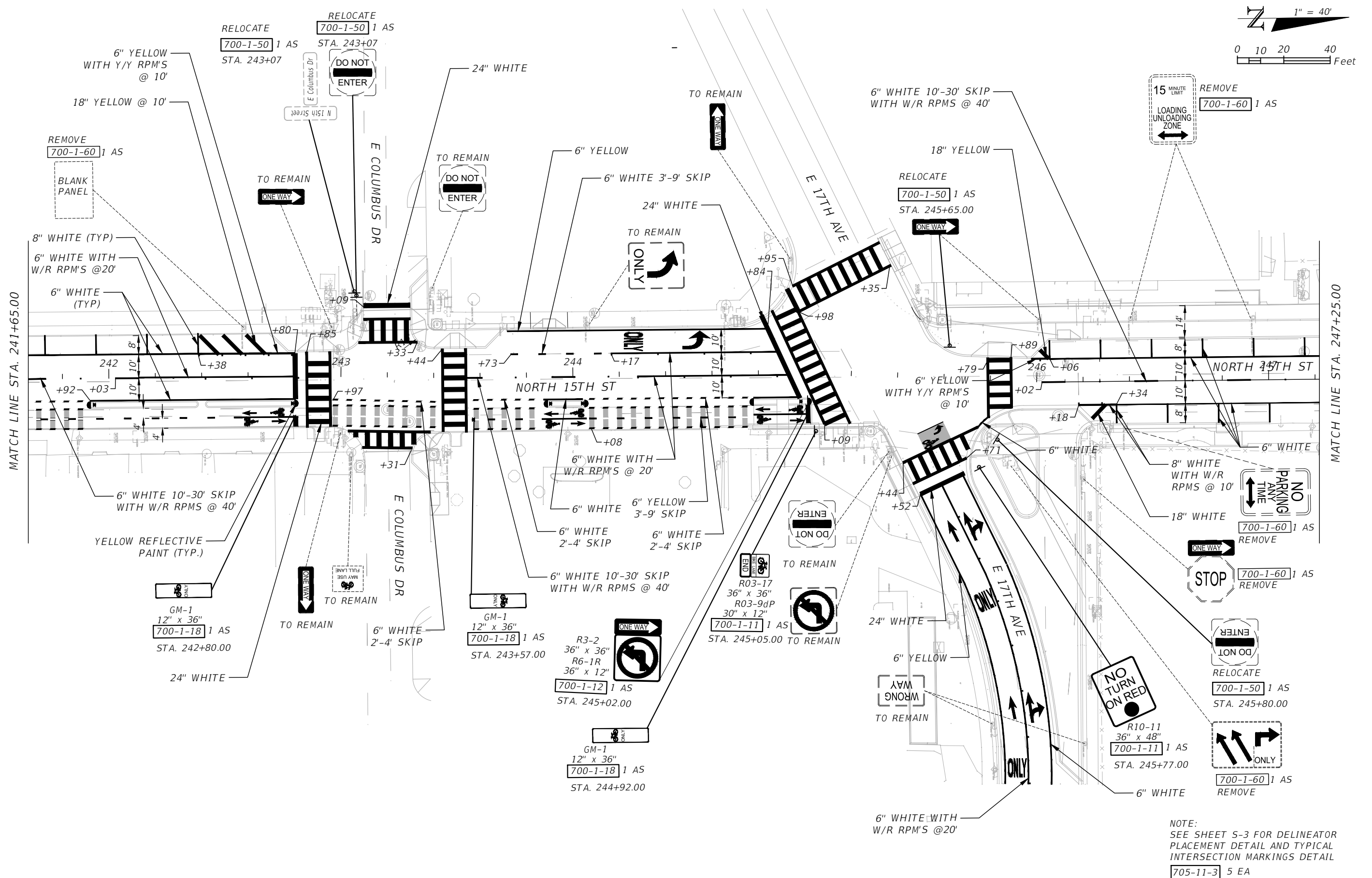
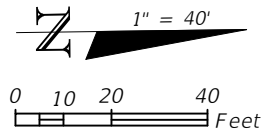
CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**SIGNING AND PAVEMENT  
MARKING PLAN (2)**

SHEET NO.  
S-6

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





NOTE:  
SEE SHEET S-3 FOR DELINEATOR  
PLACEMENT DETAIL AND TYPICAL  
INTERSECTION MARKINGS DETAIL  
705-11-3 5 EA

REVISIONS	
DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602  
ENGINEER OF RECORD:  
FATHY ABDALLA, P.E. NO: 63914

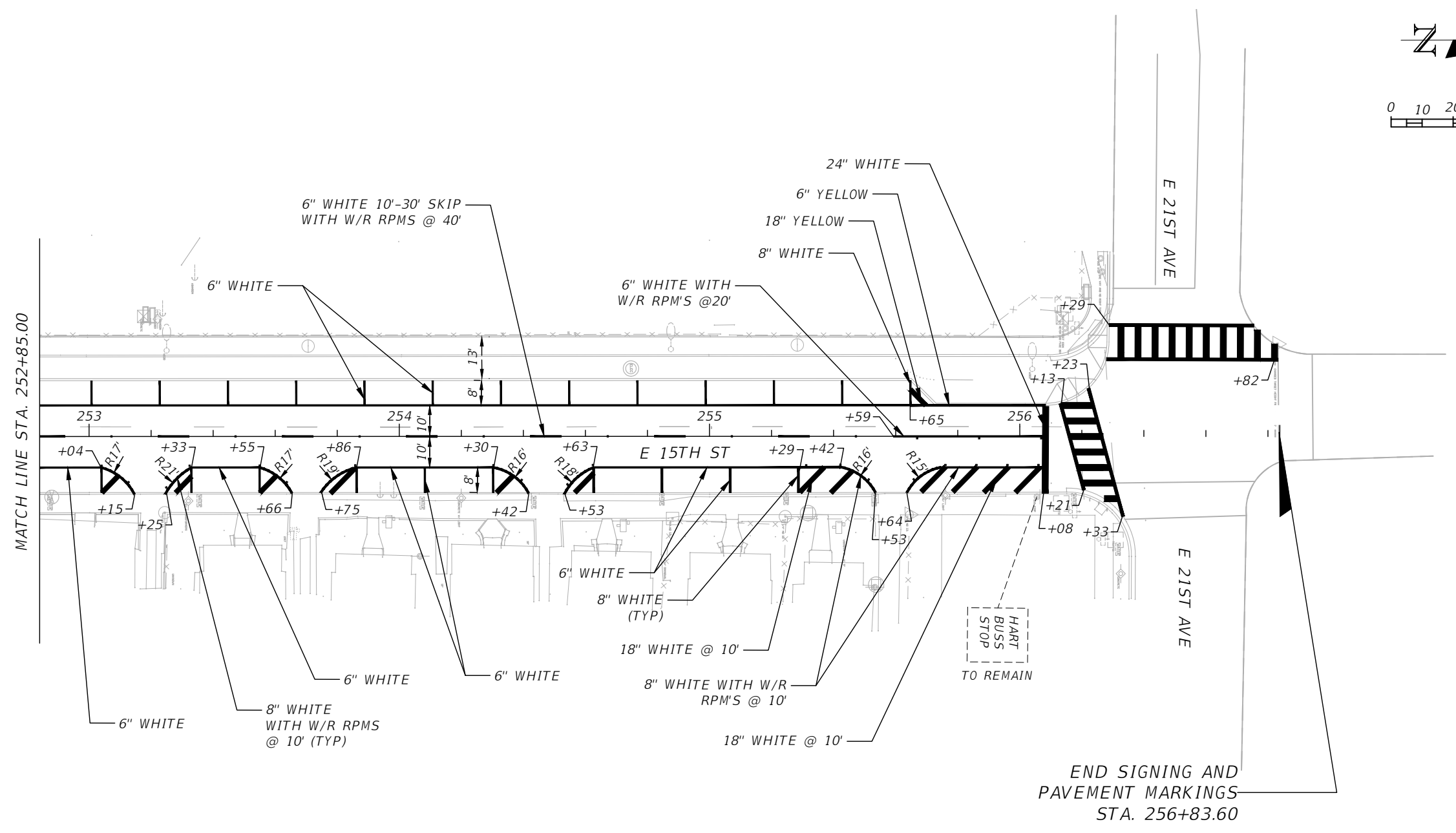
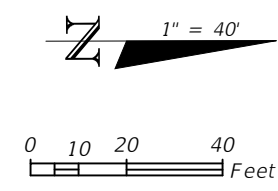
CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**SIGNING AND PAVEMENT  
MARKING PLAN (3)**

SHEET  
NO.  
S-7

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**SIGNING AND PAVEMENT  
 MARKING PLAN (5)**

SHEET NO.  
 S-9

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# CITY OF TAMPA MOBILITY DEPARTMENT

## CONTRACT PLANS

FINANCIAL PROJECT ID 439476-4-58-01  
(FEDERAL FUNDS)

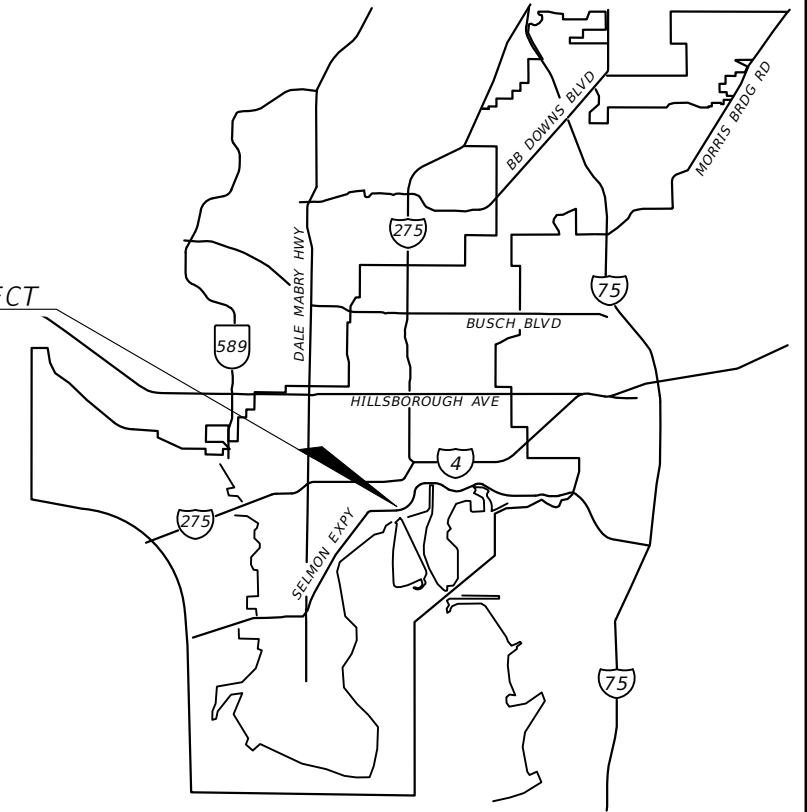
2. E/W GREEN SPINE CYCLE TRACK -  
PH. 3C FROM 13TH AVE. TO 21ST AVE.

## SIGNALIZATION PLANS

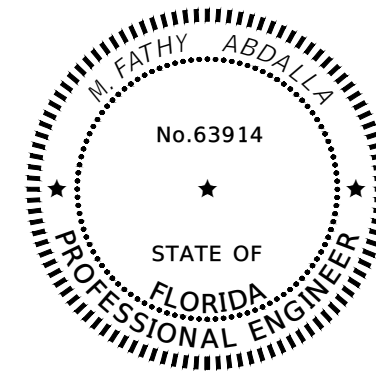
### INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	TABULATION OF QUANTITIES
T-3	GENERAL NOTES
T-4 THRU T-5	SIGNALIZATION PLANS

LOCATION OF PROJECT



FINAL SUBMITTAL  
FEBRUARY 2023



THIS ITEM HAS BEEN DIGITALLY SIGNED  
AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE  
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KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602

FATHY ABDALLA, P.E. NO. 63914

CITY OF TAMPA PROJECT MANAGER:

NINA S. MABILLEAU E.I.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
21-C-00022	23	T-1

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														GRAND TOTAL	
			T-4		T-5												PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	15		135												150	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	155		36												191	
632-7-2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	135		765												900	
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	3		4												7	
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	2		2												4	
646-1-40	ALUMINUM SIGNALS POLE, RELOCATE	EA			4												4	
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	EA			1												1	
650-1-14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	4														4	
653-1-1	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS			2												2	
670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1		1												2	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
 201 N FRANKLIN ST, SUITE 400,  
 TAMPA, FL 33602  
 ENGINEER OF RECORD:  
 FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

**TABULATION OF QUANTITIES**

SHEET NO.  
T-2

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

GENERAL NOTES:

1. ALL RELOCATED PED POLES SHALL BE GROUNDED WITHIN THE FOUNDATION OF THE POLES OR WITHIN THE PULL BOX IF WITHIN 10 FEET FROM THE POLE LOCATION.
2. CONTRACTOR IS RESPONSIBLE TO REPLACE ANY DAMAGE EQUIPMENT DUE TO RELOCATION WITH NO ADDITIONAL COMPENSATION.
3. ALL BICYCLE POLES MUST HAVE A SUPPORT COLLAR WITH ROLL PINS.

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<i>GENERAL NOTES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		T-3
						HILLSBOROUGH	21-C-00022		

B6W



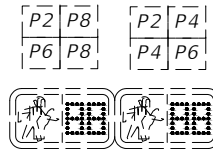
3-SECT., 1-WAY  
8 INCHES

650-1-14 4AS

6 8



3-SECT., 1-WAY  
EXISTING

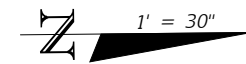


PED. SIGNAL  
COUNT-DOWN  
1-SECT., 2-WAY  
EXISTING

P4 P8

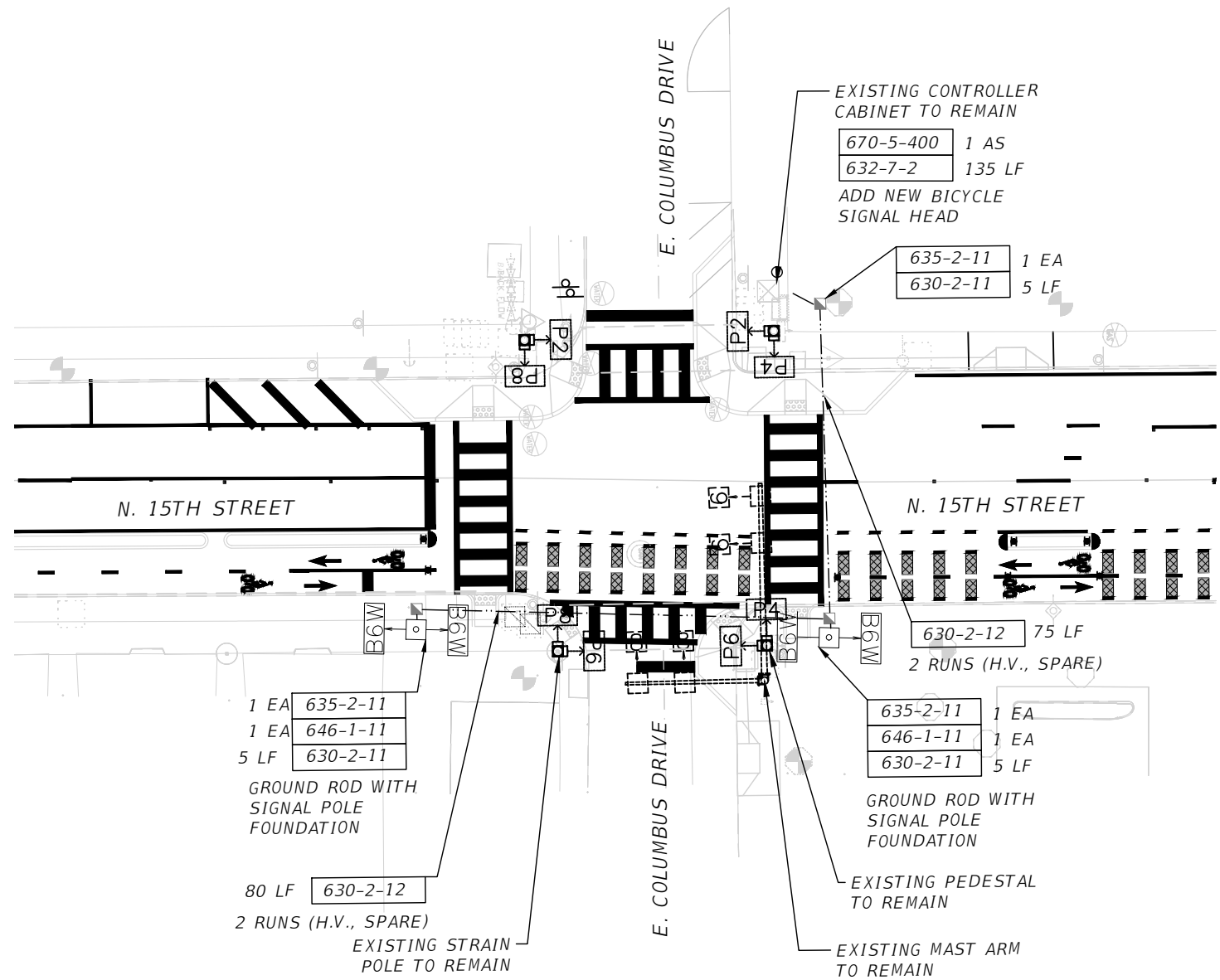


PED. SIGNAL  
COUNT-DOWN  
1-SECT., 1-WAY  
EXISTING



**NOTES AND CONTROLLER OPERATIONS:**

1. MAJOR STREET IS N. 15TH STREET AND MINOR STREET IS E. COLUMBUS DRIVE.
2. POSTED SPEED ON BOTH ROADWAYS IS 30 MPH.
3. ALL PED SIGNALS SHALL CONTINUE TO RUN ON RECALL.
4. FLASHING OPERATION SHALL BE:  
YELLOW FOR MOVEMENTS 2, 6 & B6W  
RED FOR MOVEMENTS 4 & 8
5. SIGNAL HEAD B6W FOR WESTBOUND BICYCLISTS SHALL BE MOUNTED ON STANDARD ALUMINUM PEDESTRIAN PEDESTAL.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KISINGER CAMPO & ASSOCIATES CORP.  
201 N FRANKLIN ST, SUITE 400,  
TAMPA, FL 33602  
ENGINEER OF RECORD:  
FATHY ABDALLA, P.E. NO: 63914

CITY OF TAMPA  
MOBILITY DEPARTMENT

ROAD NO.	COUNTY	PROJECT DESIGN NO.
	HILLSBOROUGH	21-C-00022

*SIGNALIZATION PLAN (1)*  
*E. COLUMBUS DR. & N. 15TH ST*

SHEET NO.  
T-4



6 8



3-SECT., 1-WAY  
EXISTING

P2 P4 P6 P8

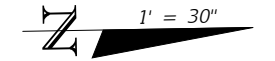


PED. SIGNAL  
COUNT-DOWN  
1-SECT., 1-WAY  
EXISTING

P6 P8

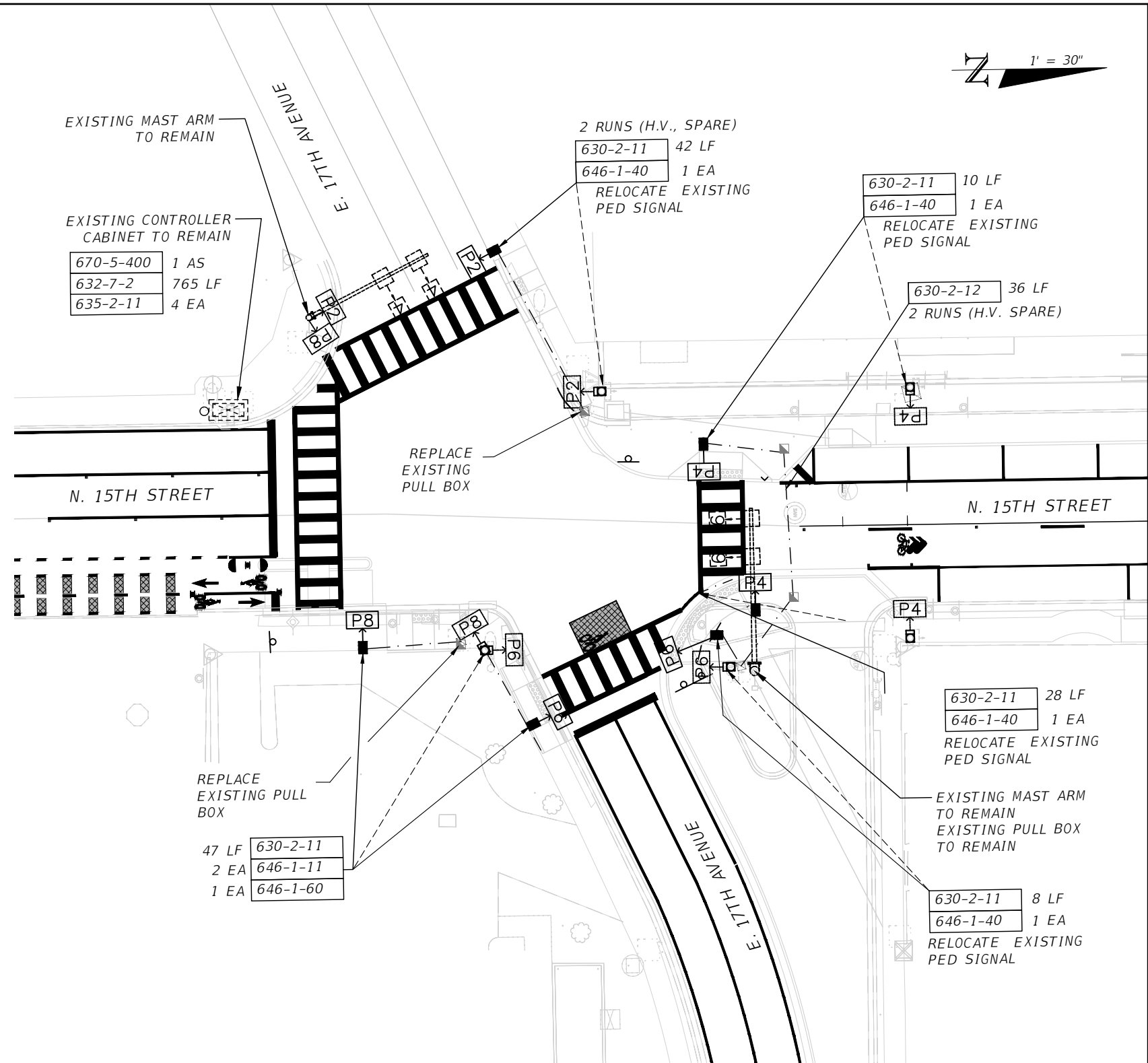


PED. SIGNAL  
COUNT-DOWN  
1-SECT., 1-WAY  
EXISTING  
653-1-1 2 AS



**NOTES AND CONTROLLER OPERATIONS:**

1. MAJOR STREET IS N. 15TH STREET AND MINOR STREET IS E. 17TH AVENUE.
2. POSTED SPEED ON ALL ROADWAYS IS 30 MPH.
3. ALL PED SIGNALS SHALL CONTINUE TO RUN ON RECALL.
4. FLASHING OPERATION SHALL BE:  
YELLOW FOR MOVEMENTS 2, 6  
RED FOR MOVEMENTS 4 & 8



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REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			SIGNALIZATION PLAN (2) E. 17TH AVENUE & N. 15TH ST	SHEET NO.  T-5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJECT DESIGN NO.		
						HILLSBOROUGH	21-C-00022		