

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

CITY OF TAMPA
MOBILITY DEPARTMENT

INDEX OF ROADWAY PLANS

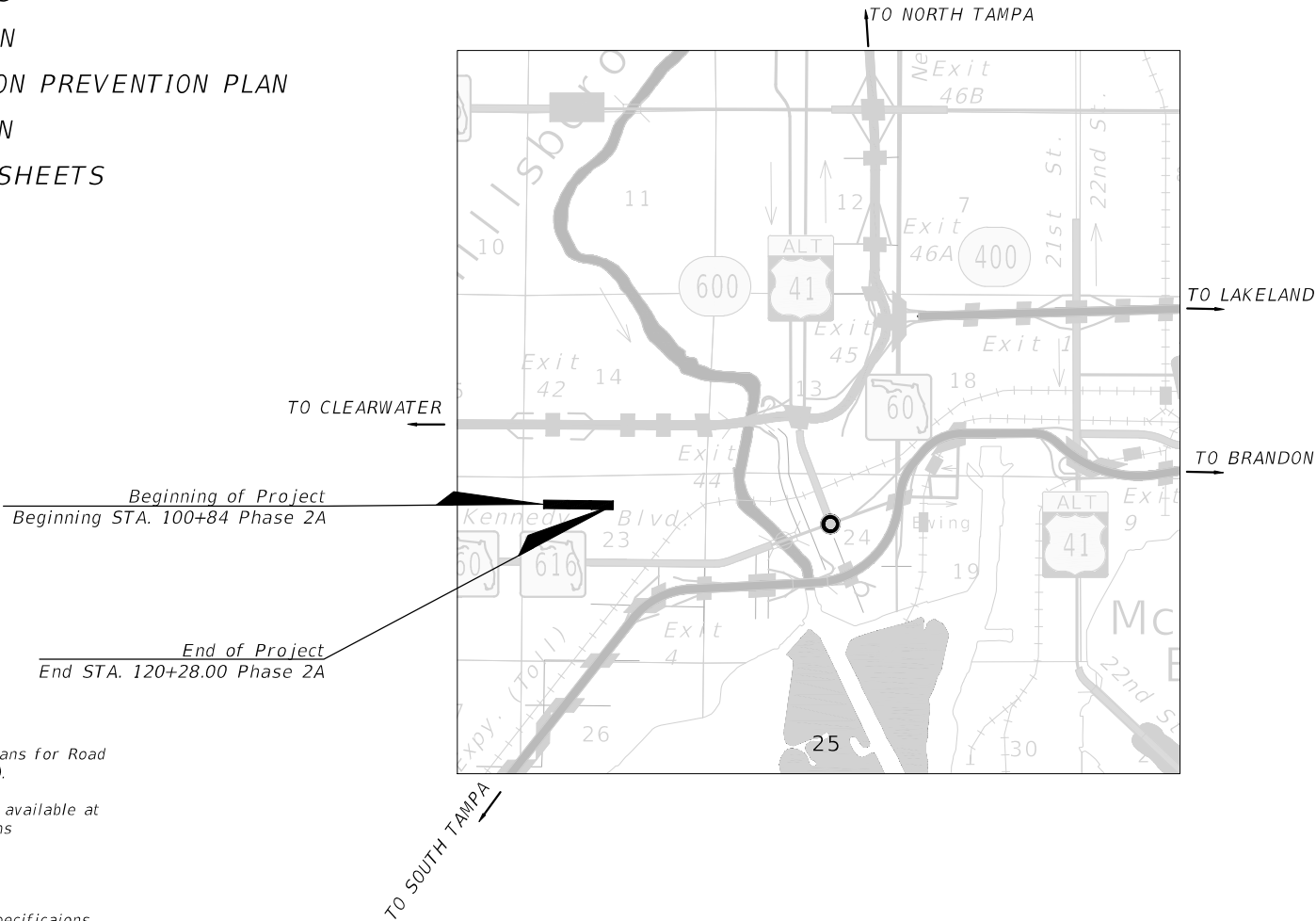
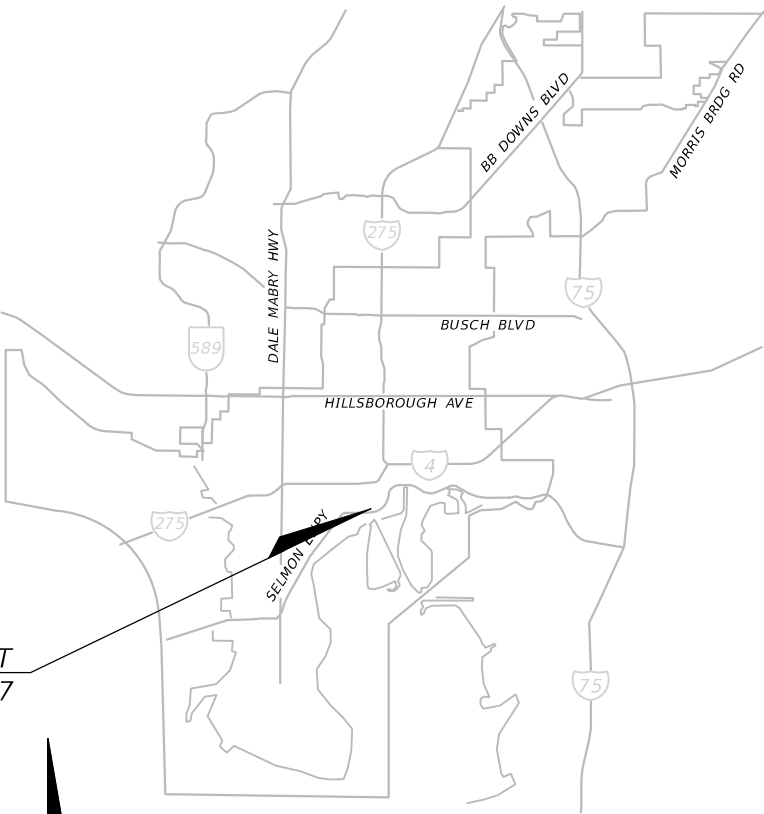
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ROADWAY PLANS

FINANCIAL PROJECT ID: 439476-5-58-01
(FEDERAL FUNDS)
FINANCIAL PROJECT ID: 439476-5-58-02
(LOCAL FUNDS)

E/W GREEN SPINE CYCLE TRACK -
PHASE 2A - CASS ST. FROM HOWARD AVE TO ROME AVE

LOCATION OF PROJECT
<https://goo.gl/maps/HAVuordP71B2HHj37>



ROADWAY PLANS
ENGINEER OF RECORD:

M. FATHY ABDALLA, P.E.
P.E. NO.: 63914
COMPANY NAME: KISINGER CAMPO & ASSOCIATES CORP
201 N FRANKLIN RD, SUITE 400
TAMPA, FL, 33602
(813) 871-5331
CONTRACT NO.: 17-D-00022
VENDOR NO.: 59-1677145

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

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
24-C-00002	25	1

GOVERNING STANDARD PLANS:
Florida Department of Transportation, FY2024-25 Standard Plans for Road
and Bridge Construction and applicable Interim Revisions (IRs).

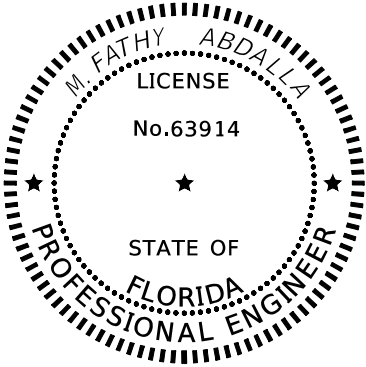
Standard Plans for Road Construction and associated IRs are available at
the following website: <http://www.fdot.gov/design/standardplans>

APPLICABLE IRs: IR700-010-1

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, FY2024-25 Standard Specificaions
for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

City of Tampa Department of Public Works Transportation Technical Manual,
Revised 2008 Edition

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



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

M. Fathy Abdalla 2025.03.10 15:54:54-04'00'

ON THE DATE ADJACENT TO THE SEAL

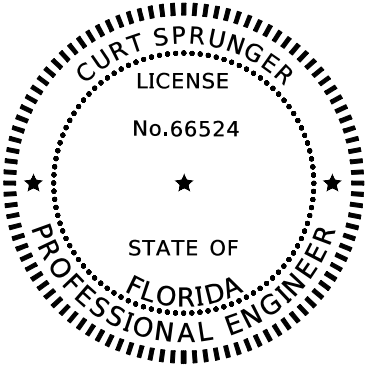
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KISINGER CAMPO & ASSOCIATES CORP.
201 N FRANKLIN ST, SUITE 400,
TAMPA, FL 33602

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.

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1	KEY SHEET
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6	GENERAL NOTES
7	PROJECT LAYOUT
8-9	ROADWAY PLANS
10-12	SPECIAL DETAILS
13-14	INTERSECTION DETAILS
21-22	TRAFFIC CONTROL PLAN
23-25	UTILITY ADJUSTMENT SHEETS



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Curtis Sprunger 2025.03.10 15:49:20-04'00'

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

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.

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
5	SUMMARY OF DRAINAGE STRUCTURES
15-17	DRAINAGE STRUCTURES
18	EROSION CONTROL PLAN
19-20	STORMWATER POLLUTION PREVENTION PLAN

R E V I S I O N S				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.	
					CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022	
				ENGINEER OF RECORD: FATHY ABDALLA, P.E. P.E. NO: 63914				2

PHASE 2A - CASS ST. FROM HOWARD AVE TO ROME AVE

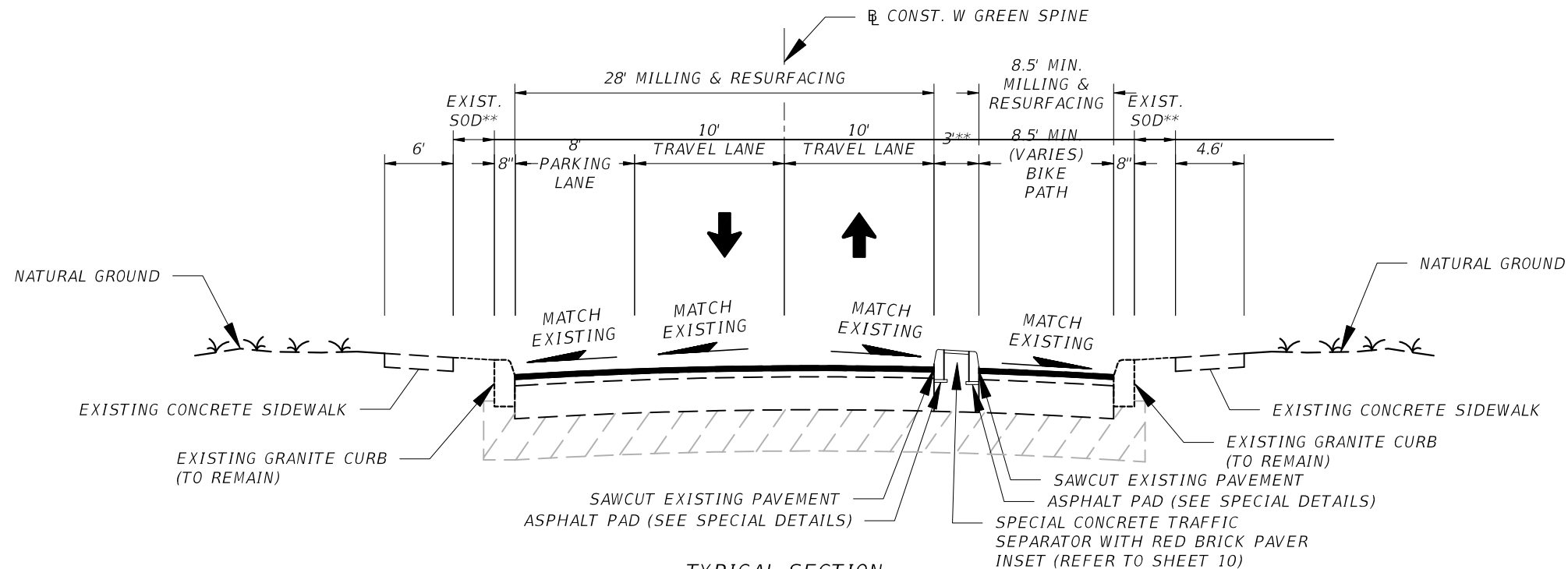
SUMMARY OF PAY ITEMS					
LEAD PROJECT:	439476-5-58-01		DISTRICT: D7		COUNTY/SECTION:
PROJECT:	43947655801		COUNTY: HILLSBOROUGH		
SUMMARY OF ROADWAY					
PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY		
			439476-5-58-01	439476-5-58-02	TOTAL
101 1	MOBILIZATION (@15 % OF PROJECT SUB-TOTAL)	LS	1		1
102 1	MAINTENANCE OF TRAFFIC (@15 % OF PROJECT SUB-TOTAL)	LS	1		1
104 10 3	SEDIMENT BARRIER	LF	213		213
104 18	INLET PROTECTION SYSTEM	EA	10		10
110 4 10	REMOVAL OF EXISTING CONCRETE	SY	105		105
120 6	EMBANKMENT	CY	50		50
285 701	OPTIONAL BASE,BASE GROUP 01	SY	194		194
327 70 6	MILLING EXIST ASPH PAVT, 1.5" AVG DEPTH	SY	8564		8564
337 7 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	706		706
COT-T	INLETS, DITCH BOTTOM, TYPE T <10'	EA	2		2
COT-E	INLETS, DITCH BOTTOM, TYPE E <10'	EA	1		1
425 2 71	MANHOLES, J-7, <10	EA	1		1
EX-425 5	MANHOLE, ADJUST	EA		3	3
430 175 112	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 12"S/CD	LF	4		4
430 175 118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	237		237
430 175 124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	50		50
COT-003	CITY INLET TYPE P-3	EA	2		2
520 2 4	CONCRETE CURB, TYPE D	LF	1990		1990
520 7 1	GRANITE CURB, FURNISH & INSTALL	LF	11		11
520 7 2	GRANITE CURB, RESET	LF	202		202
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	SY	44		44
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	SY	74		74
EX-526 1A	RED BRICK PAVERS, FURNISH AND INSTALL	SY		94	94
EX-526 1B	RED BRICK PAVERS, INSTALL	SY		94	94
527 2	DETECTABLE WARNINGS	SF	98		98
570 1 2	PERFORMANCE TURF, SOD	SY	76		76
999 25	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS	1		1
EX-9910	ADJUST VALVE BOX (HEIGHT)	EA		4	4

PAY ITEM NOTES:
110-4-10 REMOVAL OF EXISTING CONCRETE - DOES NOT INCLUDE GRANITE CURB.
520-7-4 GRANITE CURB, RESET - INCLUDES COST OF LABOR AND MATERIALS REQUIRED FOR RESETTING THE CURB.
527-2 DETECTABLE WARNINGS - ALL DETECTABLE WARNINGS ARE TO BE RED PER CITY OF TAMPA STANDARDS.

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602	CITY OF TAMPA MOBILITY DEPARTMENT			<i>SUMMARY OF PAY ITEMS</i>	SHEET NO.	
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY	PROJ. ID. / CONTRACT NO.
				ENGINEER OF RECORD: FATHY ABDALLA, P.E. P.E. NO: 63914		CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022	3	

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SUMMARY OF PAY ITEMS					
LEAD PROJECT	439476-5-58-01	DISTRICT: D7	COUNTY/SECTION:		
PROJECT	43947655801	COUNTY: HILLSBOROUGH			
SUMMARY OF SIGNING & PAVEMENT MARKINGS, SIGNALIZATION					
PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY		
			439476-5-58-01	439476-5-58-02	TOTAL
654 2 28	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL-SOLAR, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	AS	2		2
700 1 111	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, LESS THAN 12 SF	AS	6		6
700 1 18	SINGLE POST SIGN, F&I GROUND MOUNT, IN-STREET FLEXIBLE POST SIGN	AS	6		6
700 1 500	SINGLE COLUMN GROUND SIGN ASSEMBLY, RELOCATE	AS	1		2
700 1 600	SINGLE COLUMN GROUND SIGN ASSEMBLY, REMOVE	AS	7		7
705 11 3	DELINEATOR, FLEX HIGH VISIBILITY MED	EA	38		38
706 1 3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	EA	174		176
710 11290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	141		99
710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1		1
711 11 123	THERMOPLASTIC, STD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	258		443
711 11 124	THERMOPLASTIC, STD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	437		439
711 11 125	THERMOPLASTIC, STD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	95		118
711 11 141	THERMOPLASTIC, STD, WHITE, 2-4 DOTTED GUIDELINE/6-10 GAP EXTENSION, 6"	GM	0.579		0.447
711 14 125	THERMOPLASTIC, PREFORM, WHITE, SOLID,24" FOR CROSSWALK	LF	136		300
711 14 160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	12		12
711 14 170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	12		12
711 16 101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	GM	0.468		0.523
711 16 102	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 8"	GM	0.043		0.043
711 16 201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	GM	0.741		0.355
711 16 231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	GM	0.300		0.514
714 10	GREEN-COLORED PAVEMENT MARKINGS, BIKE LANE	SF	2064		



TYPICAL SECTION
 PHASE 2A - CASS ST. (HOWARD AVE. TO ROME AVE.)
 CONST. W GREEN SPINE
 STA. 100+83.67 TO 120+28.00

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

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 6,100
 ESTIMATED OPENING YEAR = 2025 AADT = 6,800
 ESTIMATED DESIGN YEAR = 2045 AADT = 8,900
 K=9% D=50% T=5% (24 HOUR)
 DESIGN HOUR T = 2.5%
 DESIGN SPEED = 30 MPH

NOTES:

1. REFER TO ADDITIONAL CONSTRUCTION DOCUMENTS.

*EXISTING CURB TYPE VARIES AND CURB MAY NOT BE PRESENT ON ALL ROADS.

**SEE SPECIAL DETAILS (3) FOR LIMITS OF SOD

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.	
				ENGINEER OF RECORD: FATHY ABDALLA, P.E. P.E. NO: 63914	CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022	4

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN & CROSS DRAIN			CURB INLET	DITCH BOTTOM INLET		MANHOLE	REMARKS
						ROUND			COT TYPE 3	COT TYPE T	COT TYPE E	J - 7	
						12"	18"	24"	<10	<10	<10	<10	
P	S-101	112+97.00	LT	INLET, PIPE	1		108		1				W/ 2' SUMP
F													
P	S-101A	114+06.00	LT	MH, PIPE	1			50				1	W/ J-BOTTOM, 5' DIA. AND 2' SUMP
F													
P	S-102	114+69.00	LT	INLET, PIPE	1		68		1				W/ 2' SUMP
F													
P	S-102B	11+48.00	RT	PIPE, INLET, PIPE	1	4	32			1			W/ CONC. JACKET
F													
P	S-102C	11+48.00	LT	INLET, PIPE	1		29			1			
F													
P	S-103	12+27.00	LT	INLET							1		W/ 2' SUMP
F													
SUBTOTALS				PLAN QUANTITY:		4	237	50	2	2	1	1	
				FINAL QUANTITY:									

R E V I S I O N S				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: CURT SPRUNGER ,P.E. P.E. NO: 66524	CITY OF TAMPA MOBILITY DEPARTMENT			SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY
							CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-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 ARE TO 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 ARE TO BE 4" CONCRETE. SIDEWALK CROSSING DRIVEWAYS ARE TO BE 6" CONCRETE. ADA RAMPS AT CORNERS, CLOSE TO OR WITHIN TURN RADII, ARE TO BE 6" THICK.
5. RESTORE ANY AREA DISTURBED OUTSIDE THE PAVEMENT TO ITS ORIGINAL CONDITION AT NO ADDITIONAL PAYMENT. RESTORE DISTURBED GRASSED AREAS WITH PERFORMANCE SOD.
6. MAINTAIN ONE COMPLETE SET OF CONTRACT DOCUMENTS AT THE SITE, THESE DOCUMENTS INCLUDE BUT ARE NOT 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 MUST 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. COMPLY WITH ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS.
12. UTILIZE APPROPRIATE TURBIDITY CONTROL DEVICES (E.G. SILT FENCES, SYNTHETIC BALES) 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 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 MUST VERIFY AND 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 WILL 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. 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. ADJUST ALL FRAMES, COVERS, VALVE BOXES, METER BOXES, FIRE HYDRANTS AND MANHOLES TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. POUR ALL VALVE PADS IN PLACE. NO PRE-FORMED VALVE PADS ALLOWED.
19. EXISTING UTILITIES NOT BEING RELOCATED ARE TO REMAIN IN SERVICE.
20. MAINTAIN ALL VEHICLE DETECTION THROUGHOUT THE ENTIRETY OF THE PROJECT AND UNTIL THE REPLACED DETECTION DEVICES HAVE PASSED INSPECTION

21. UTILITY AGENCY OWNERS:

UTILITY	CONTACT	TELEPHONE NUMBER
CHARTER COMMUNICATIONS	MICHAEL DECROIX	(727) 329-2951
CROWN CASTLE NG	FIBER DIG TEAM	(800) 654-3110
FRONTIER COMMUNICATIONS	TONI CANNON	(813) 875-1014
MCI	INVESTIGATIONS TEAM	(800) 624-9675 EXT. 2
TECO PEOPLES GAS - TAMPA	JOAN DOMNING	(813) 275-3783
TAMPA ELECTRIC COMPANY	KIM BAILEY	(813) 275-3427
TAMPA WATER DEPARTMENT	WATER MAPS AND AS-BUILDS INC	(813) 274-7109
TAMPA WATER DEPARTMENT (SEWER)	JACK FERRAS	(813) 274-8095
VERIZON WIRELESS	NICK WLEKLINSKI	(813) 955-5893

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. 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. REMOVE AND REPLACE ALL UNSUITABLE MATERIAL ENCOUNTERED DURING CONSTRUCTION, AS DETERMINED BY THE CITY CONSTRUCTION INSPECTOR, WITH CLEAN FILL.

CONTAMINATION NOTES (SOIL AND WATER)

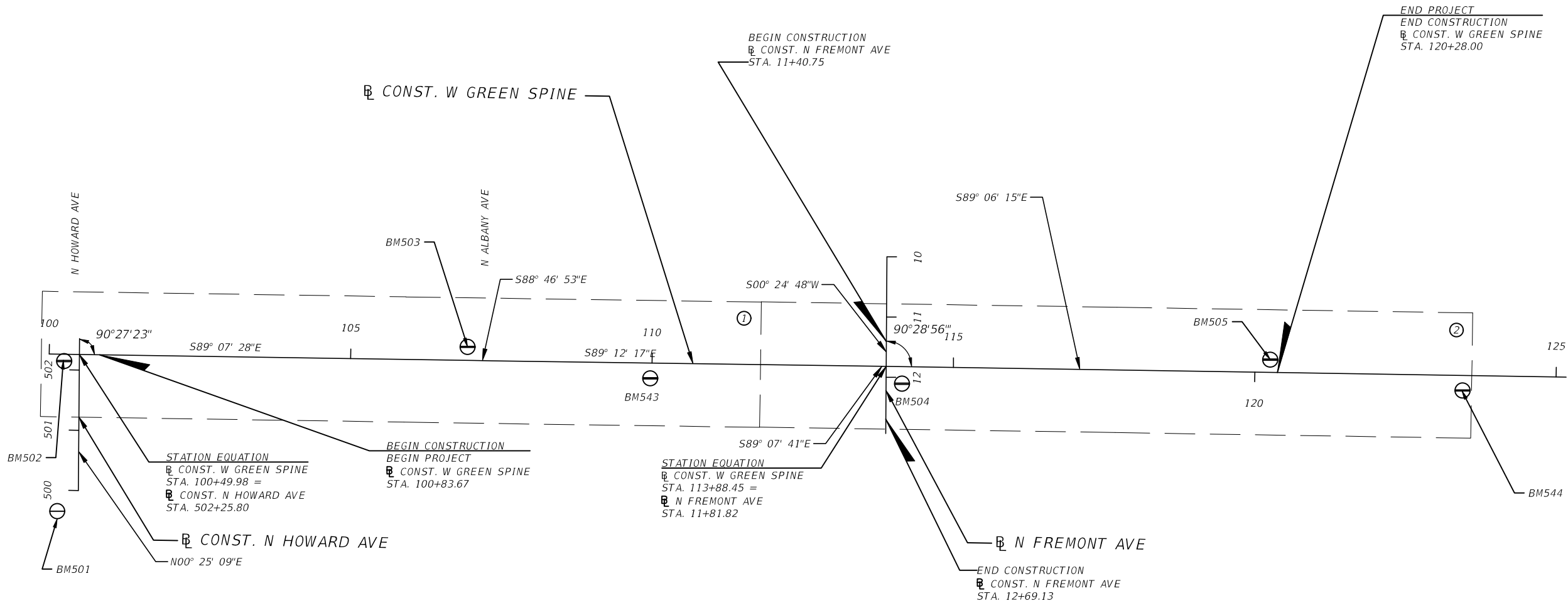
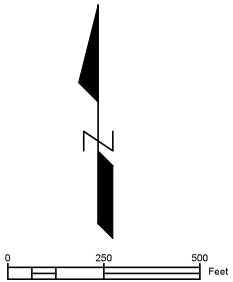
BASED ON THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S CONTAMINATION LOCATOR MAP, THE FOLLOWING DOCUMENTED CONTAMINATIONS MAY POTENTIALLY ADVERSELY IMPACT THE PROJECT:

1. STEVE'S RADIATORS LOCATED AT 1702 W. CASS STREET - FOLIO NO. 181298.0000 (FDEP FACILITY ID. #9102162 - ACTIVE PETROLEUM CLEANUP).
2. FLORIDA NATIONAL GUARD FMS #4 LOCATED AT 522 N HOWARD AVE. - (FDEP SITE ID. 34700 - SQG).

STORMWATER NOTES

1. PROPOSED SIDEWALK MUST NOT IMPEDE HISTORICAL DRAINAGE FLOW PATTERNS.
2. SUBMIT SIGNED AND SEALED AS-BUILT DRAWINGS WITH SURVEYED ELEVATION DATA TO THE CONSTRUCTION ENGINEER & INSPECTION TEAM.

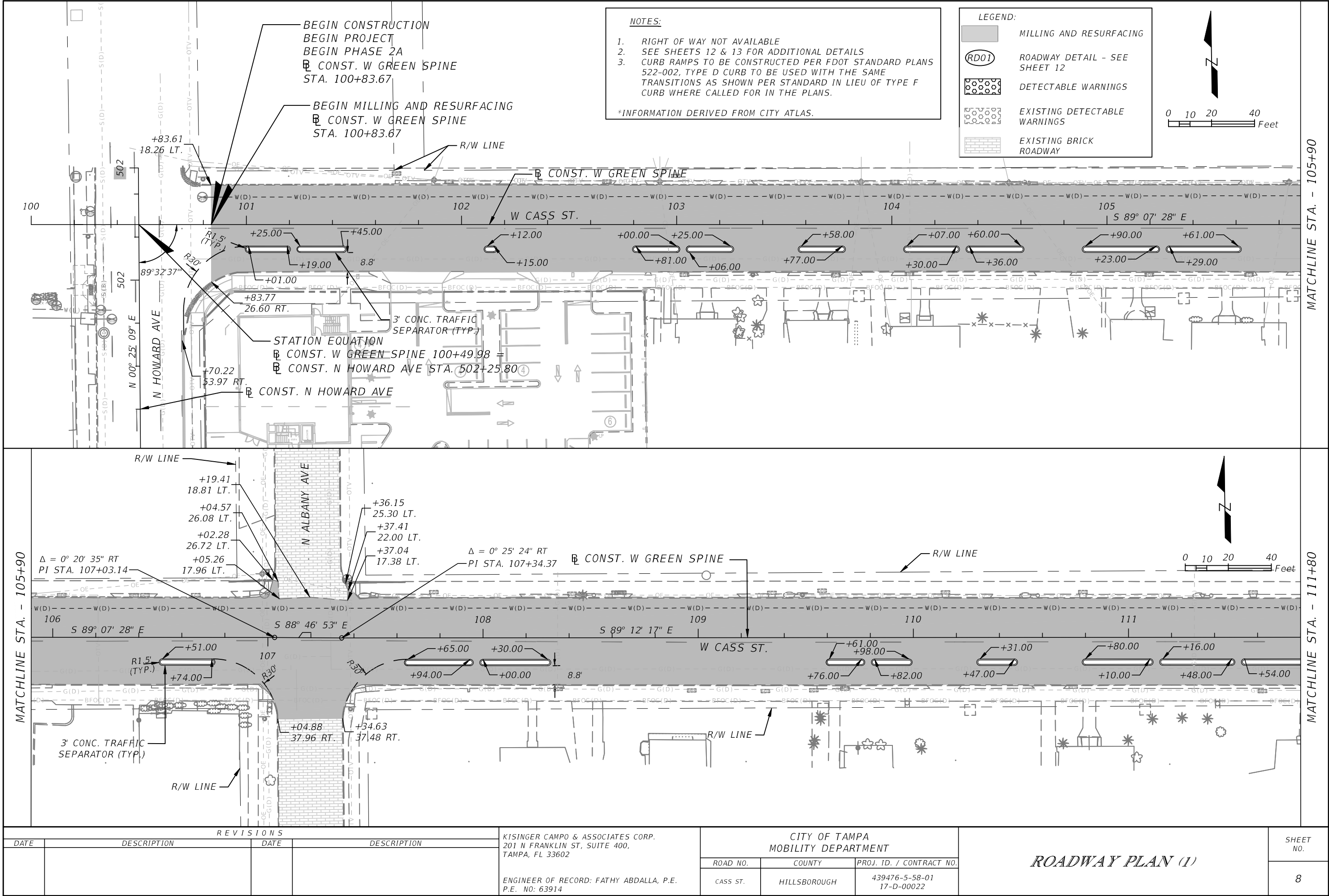
R E V I S I O N S				CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
				ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.	GENERAL NOTES
				CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022	

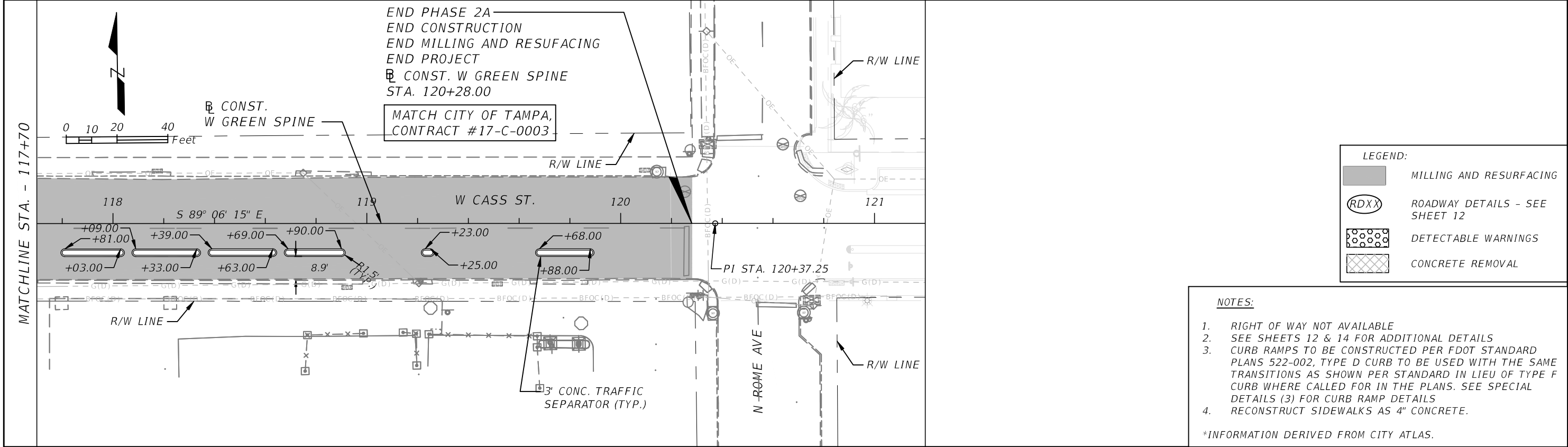
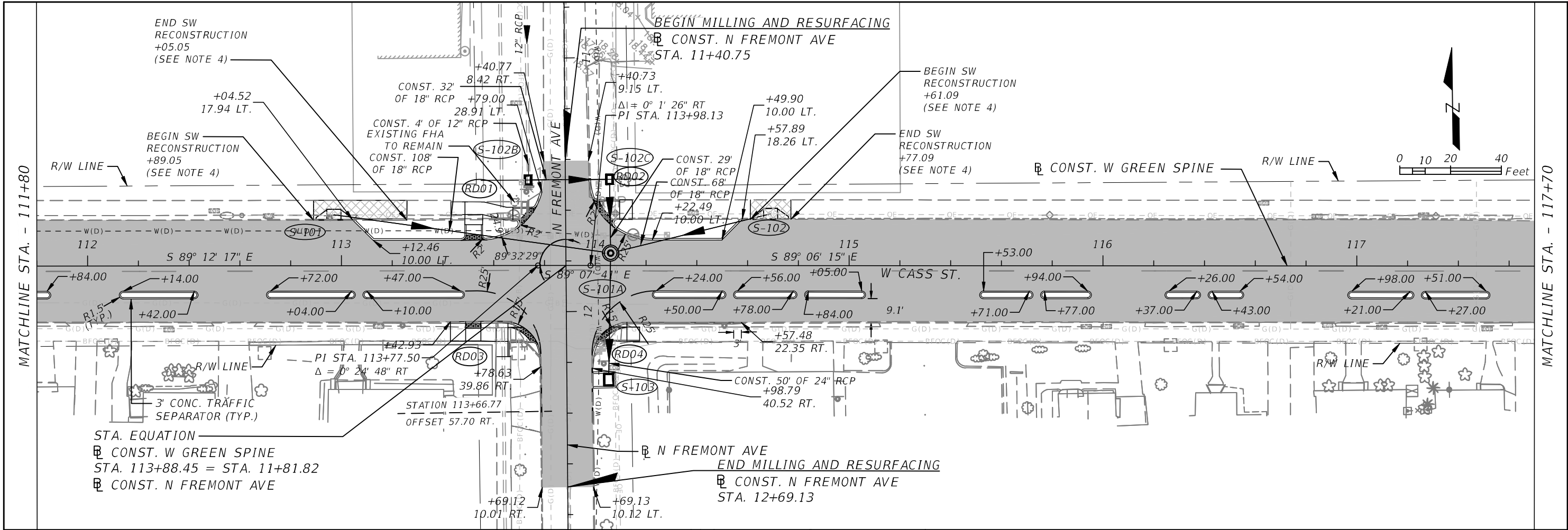


BENCHMARKS

BENCHMARK NAME	STATION	OFFSETS	SIDE	EAST	NORTH	ELEVATION
BM501	100+17.39	260.74	RT	500 203.963	1 314 533.089	20.06
BM502	100+25.11	11.35	RT	500 215.496	1 314 782.332	20.86
BM503	106+93.75	2.39	LT	500 884.573	1 314 805.848	19.56
BM543	109+97.56	25.27	RT	501 187.656	1 314 753.732	19.58
BM504	114+15.21	28.38	RT	501 605.174	1 314 744.771	18.11
BM505	120+25.37	21.11	LT	502 216.028	1 314 784.721	19.07
BM544	123+45.20	25.04	RT	502 535.094	1 314 733.490	19.38

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			<i>PROJECT LAYOUT</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.		7
					CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022		





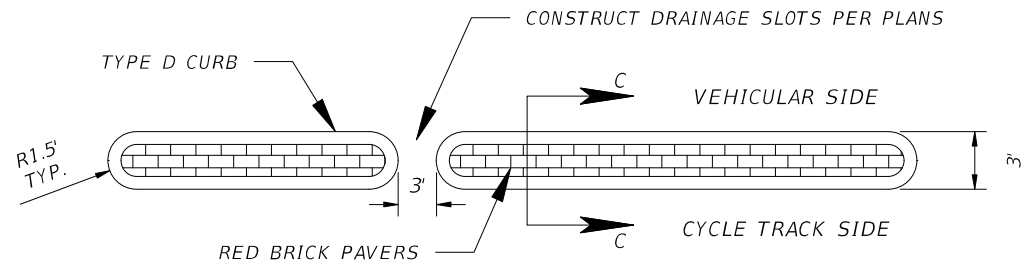
LEGEND:

	MILLING AND RESURFACING
	ROADWAY DETAILS - SEE SHEET 12
	DETECTABLE WARNINGS
	CONCRETE REMOVAL

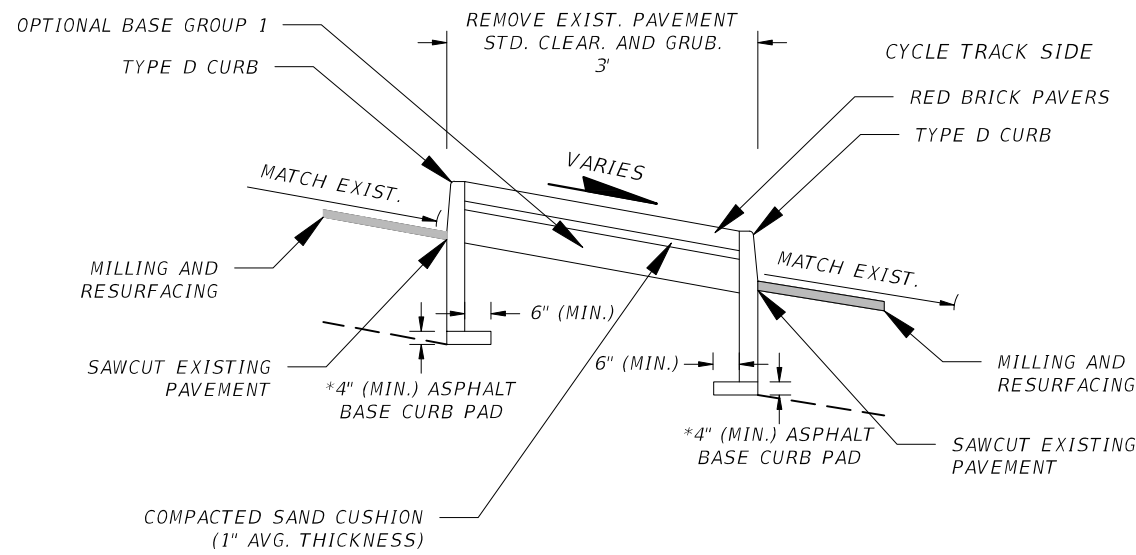
- NOTES:
- RIGHT OF WAY NOT AVAILABLE
 - SEE SHEETS 12 & 14 FOR ADDITIONAL DETAILS
 - CURB RAMPS TO BE CONSTRUCTED PER FDOT STANDARD PLANS 522-002, TYPE D CURB TO BE USED WITH THE SAME TRANSITIONS AS SHOWN PER STANDARD IN LIEU OF TYPE F CURB WHERE CALLED FOR IN THE PLANS. SEE SPECIAL DETAILS (3) FOR CURB RAMP DETAILS
 - RECONSTRUCT SIDEWALKS AS 4" CONCRETE.
- *INFORMATION DERIVED FROM CITY ATLAS.

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			ROADWAY PLAN (2)	SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.		
					CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022		

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PLAN VIEW



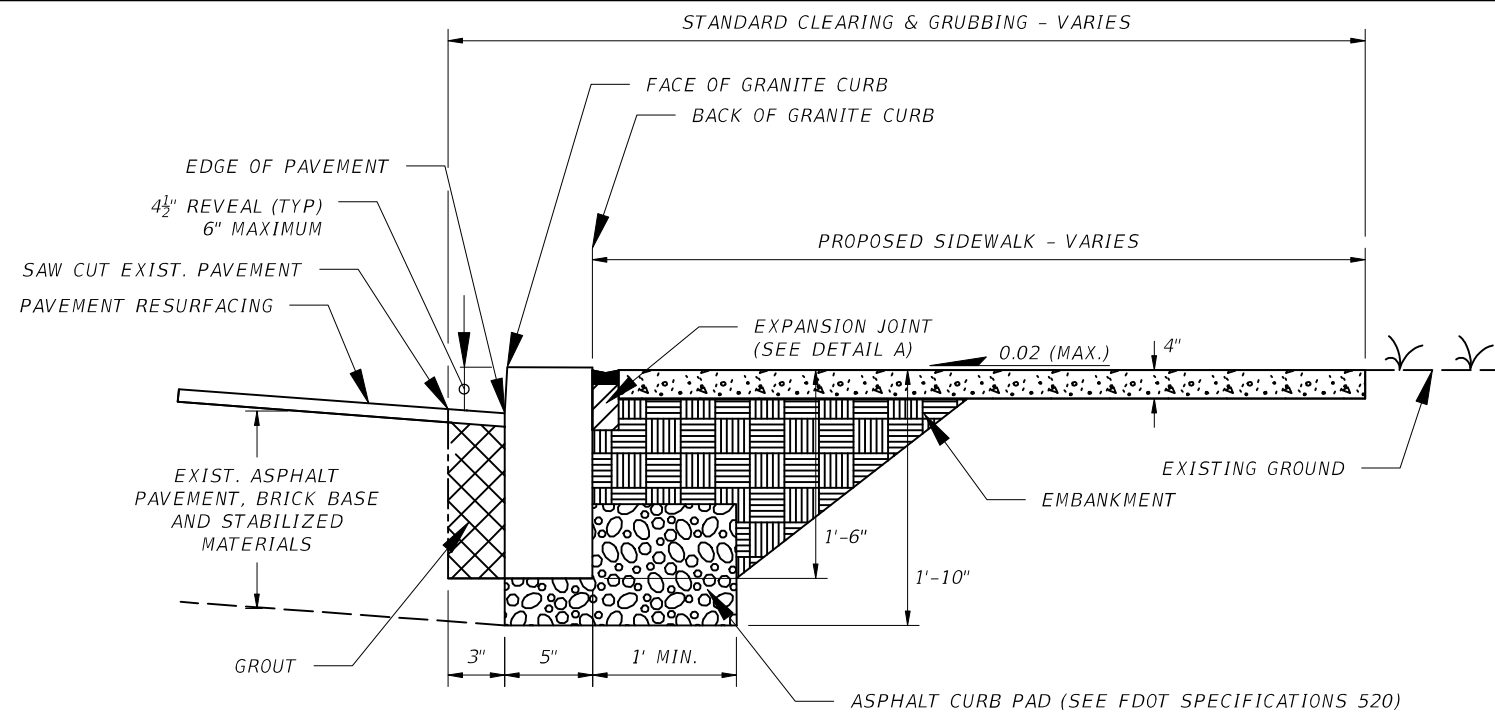
SECTION C-C

TYPICAL TRAFFIC DETAIL
N.T.S.

NOTE:

*4" CURB PAD IS TO BE PLACED IN TWO
2" LIFTS.

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.	
				ENGINEER OF RECORD: FATHY ABDALLA, P.E. P.E. NO: 63914	CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022	10

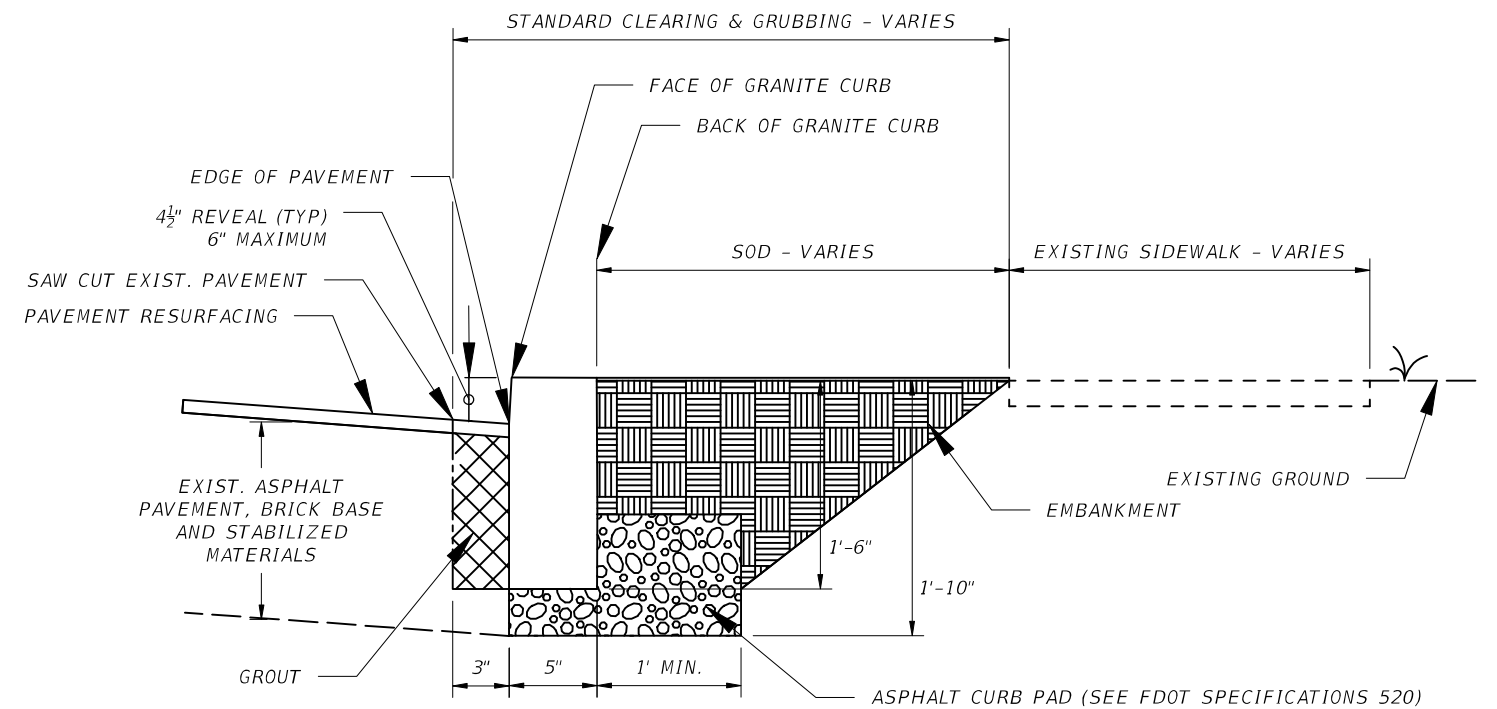
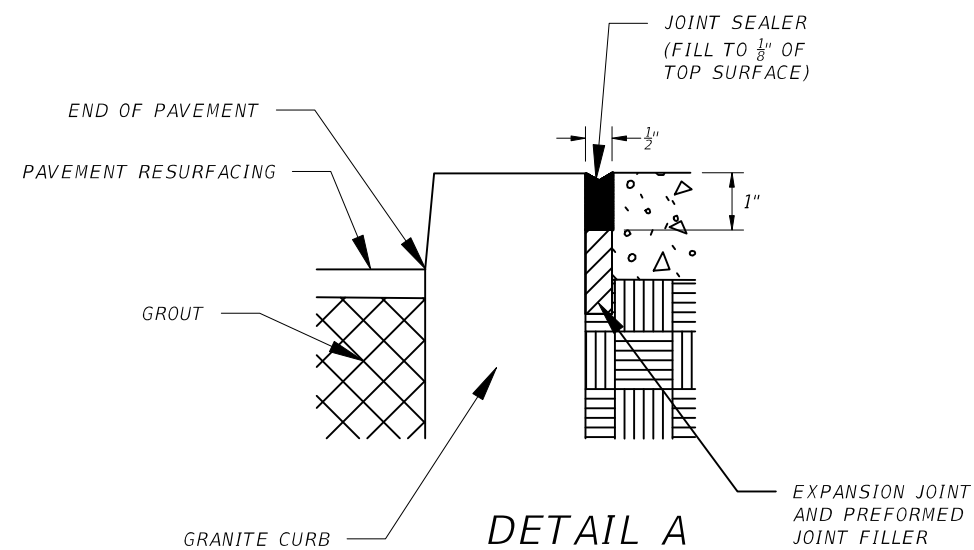


NOTES:

1. REFER TO SHEETS 8 & 9 (ROADWAY PLANS) FOR EXISTING AND PROPOSED SIDEWALK GEOMETRY
2. REFER TO SHEETS 13 & 14 (INTERSECTION DETAILS) FOR THE RESETTING OF THE GRANITE CURB.

RESETTING GRANITE CURB WITH PROPOSED SIDEWALK (N.T.S.)

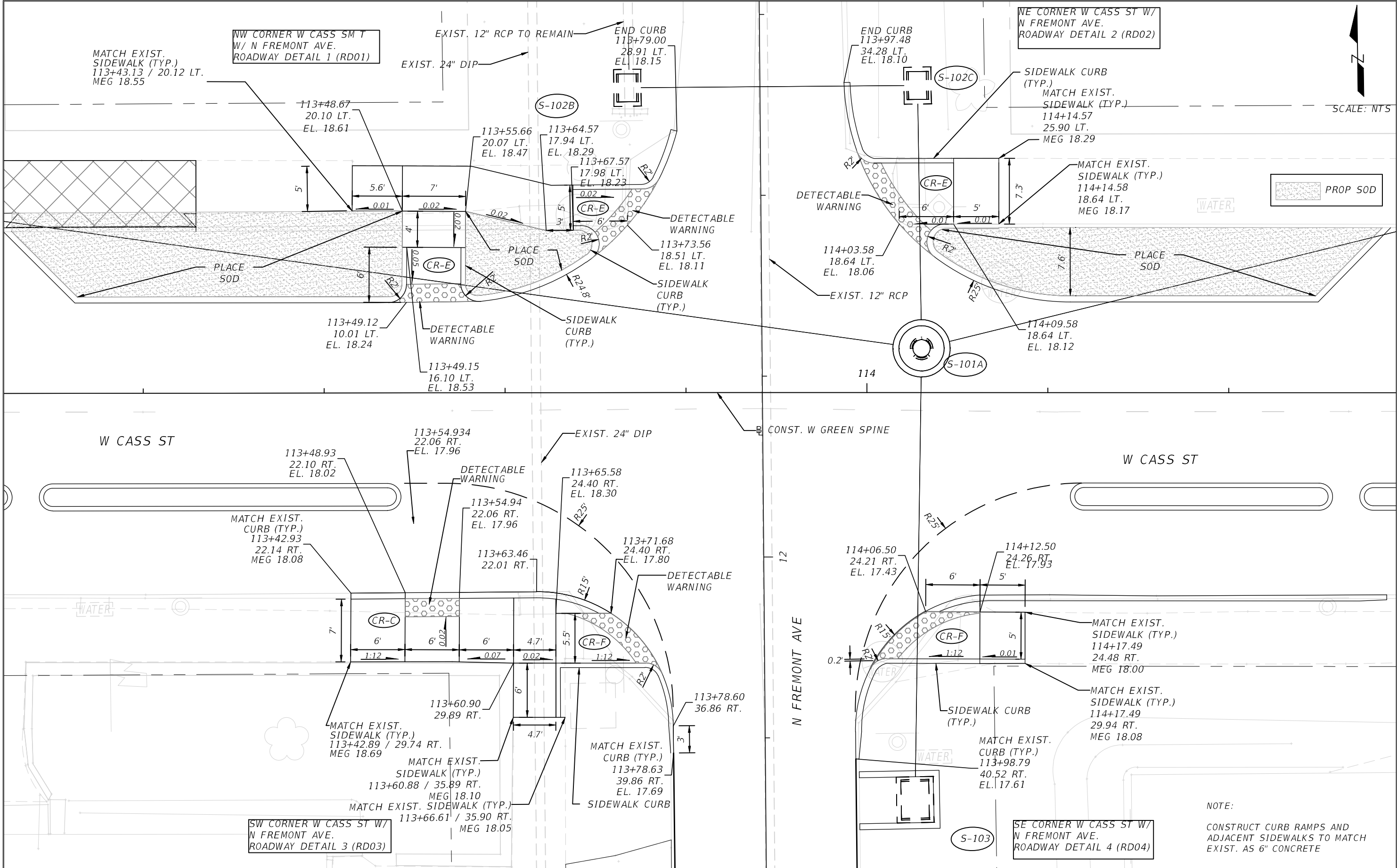
CONST. W GREEN SPINE
STA. 112+89.05 TO STA. 113+05.05, LT.



RESETTING GRANITE CURB WITH EXISTING SIDEWALK (N.T.S.)

CONST. W GREEN SPINE

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.	
				ENGINEER OF RECORD: FATHY ABDALLA, P.E. P.E. NO: 63914	CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022	11

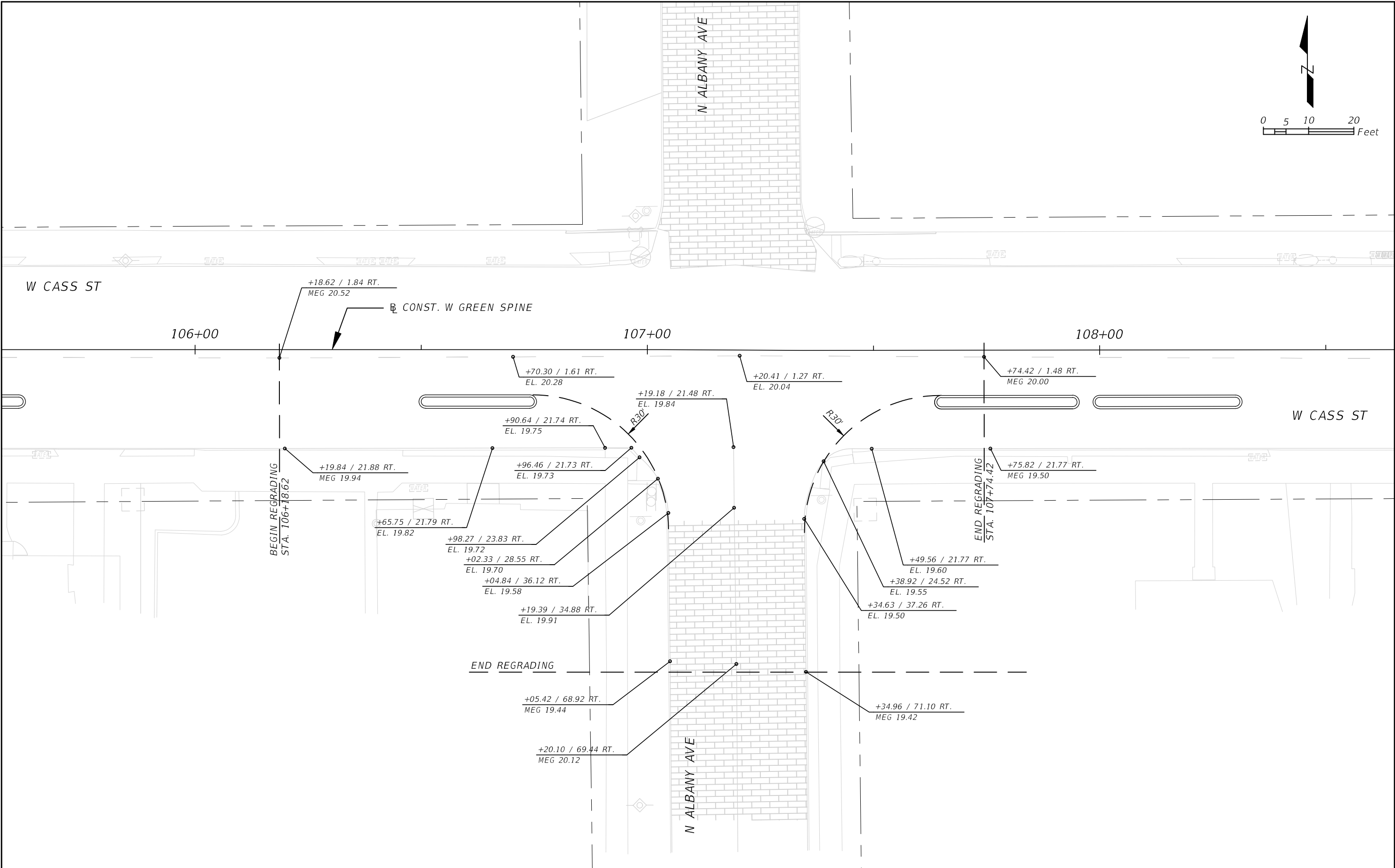


REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO. 12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.	
					CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022	

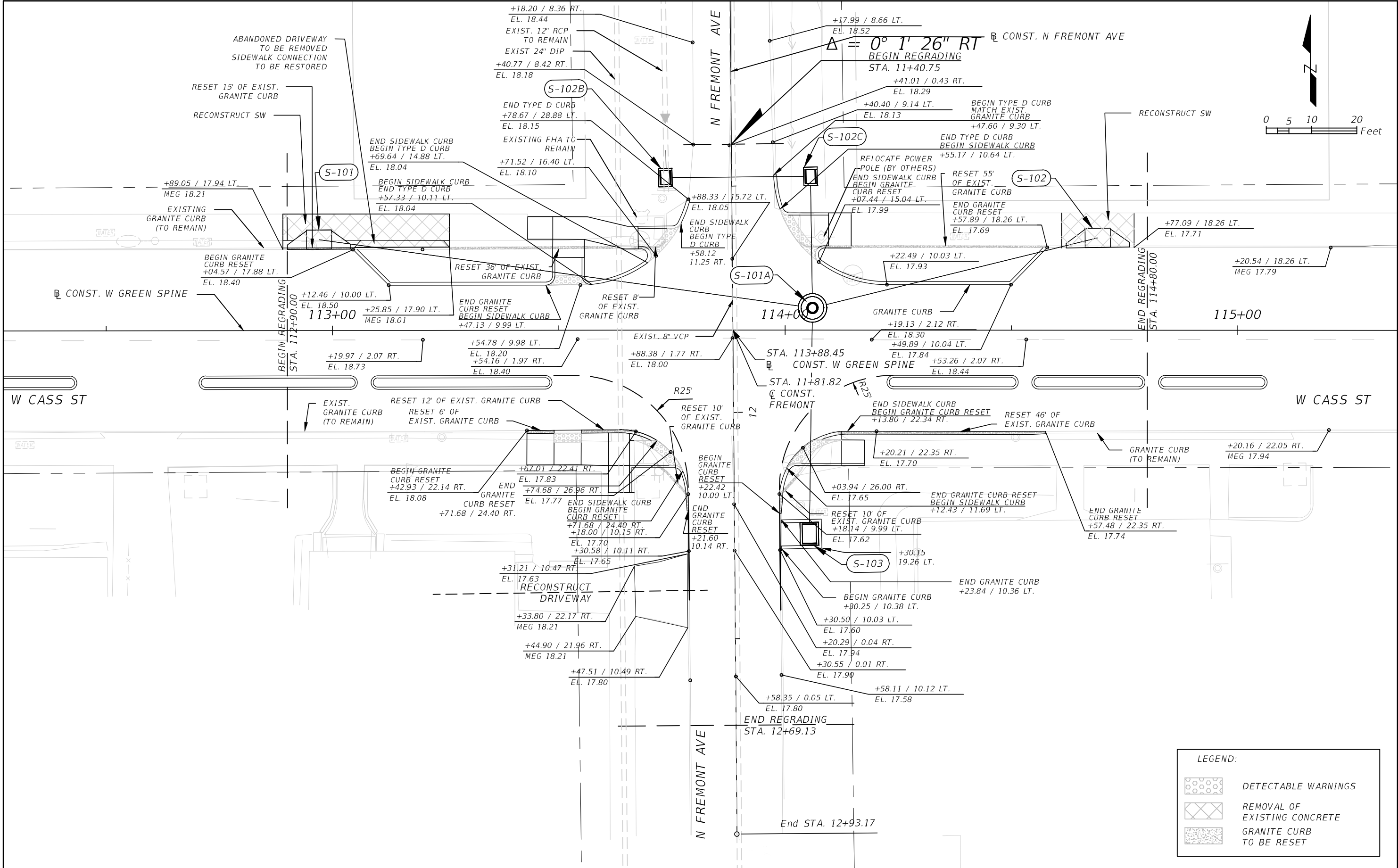
SPECIAL DETAILS (3)

NOTE:
CONSTRUCT CURB RAMPS AND
ADJACENT SIDEWALKS TO MATCH
EXIST. AS 6" CONCRETE

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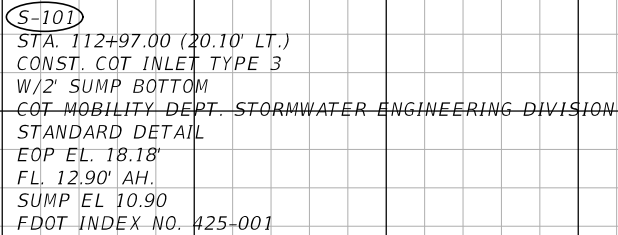
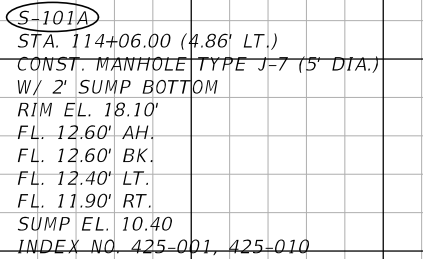


REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: FATHY ABDALLA, P.E. P.E. NO: 63914	CITY OF TAMPA MOBILITY DEPARTMENT			INTERSECTION DETAILS (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.		
					CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022		13



REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602	CITY OF TAMPA MOBILITY DEPARTMENT			INTERSECTION DETAILS (2)	SHEET NO. 14
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.		
				ENGINEER OF RECORD: FATHY ABDALLA, P.E. P.E. NO: 63914	CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022		

1. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS.
2. CONTRACTOR TO SURVEY ALL EXISTING INLET & MANHOLE ELEVATIONS, PIPE SIZES AND FLOWLINES PRIOR TO PREPARING SHOP DRAWINGS.
3. ALL INFORMATION DENOTED WITH AN ASTERISK (*) HAVE BEEN OBTAINED THROUGH THE CITY ATLAS AND REQUIRES VERIFICATION.
4. ALL PIPES TO BE RCP CLASS II EXCEPT 12" IS CLASS IV



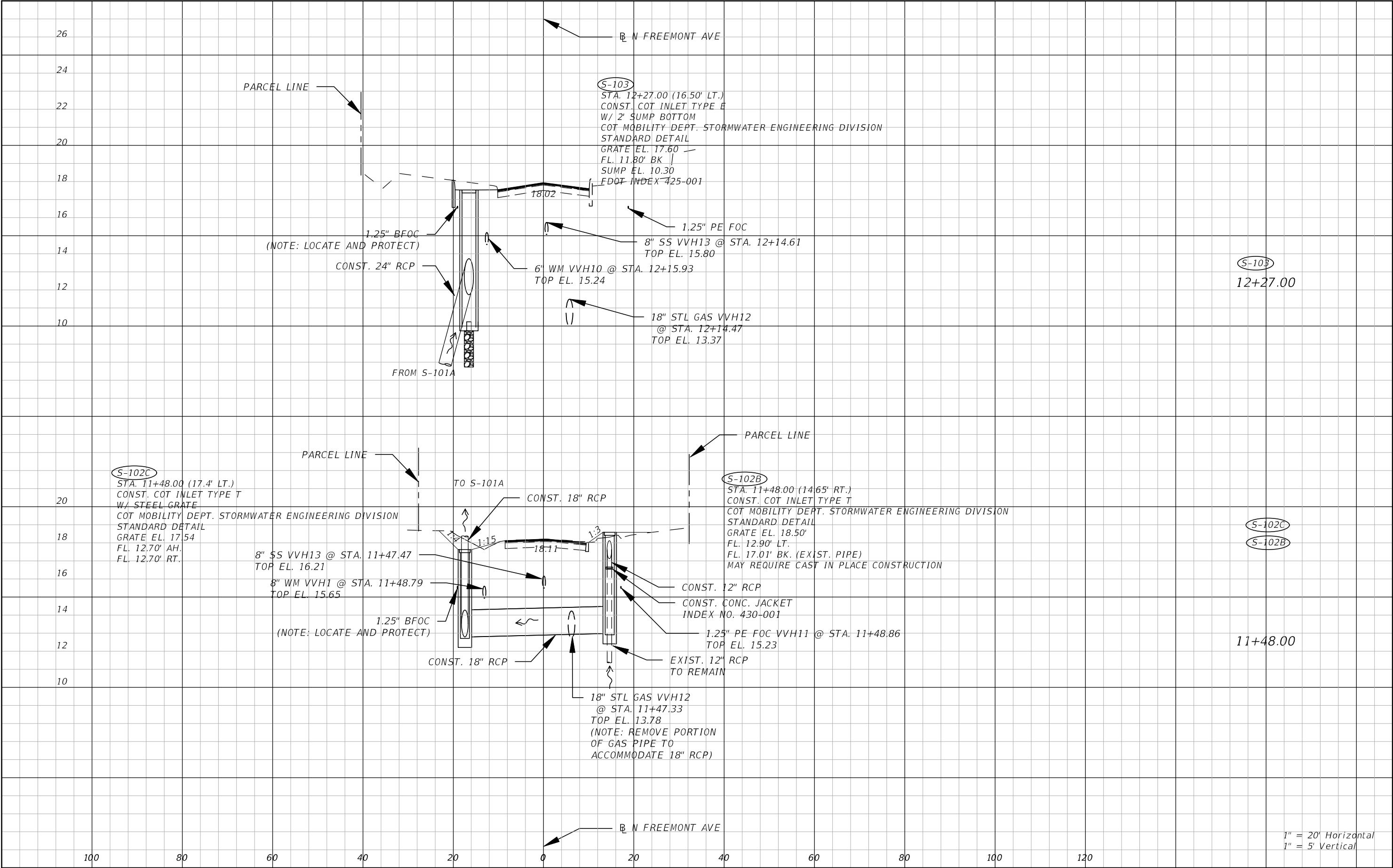
S-101A

114+06.00

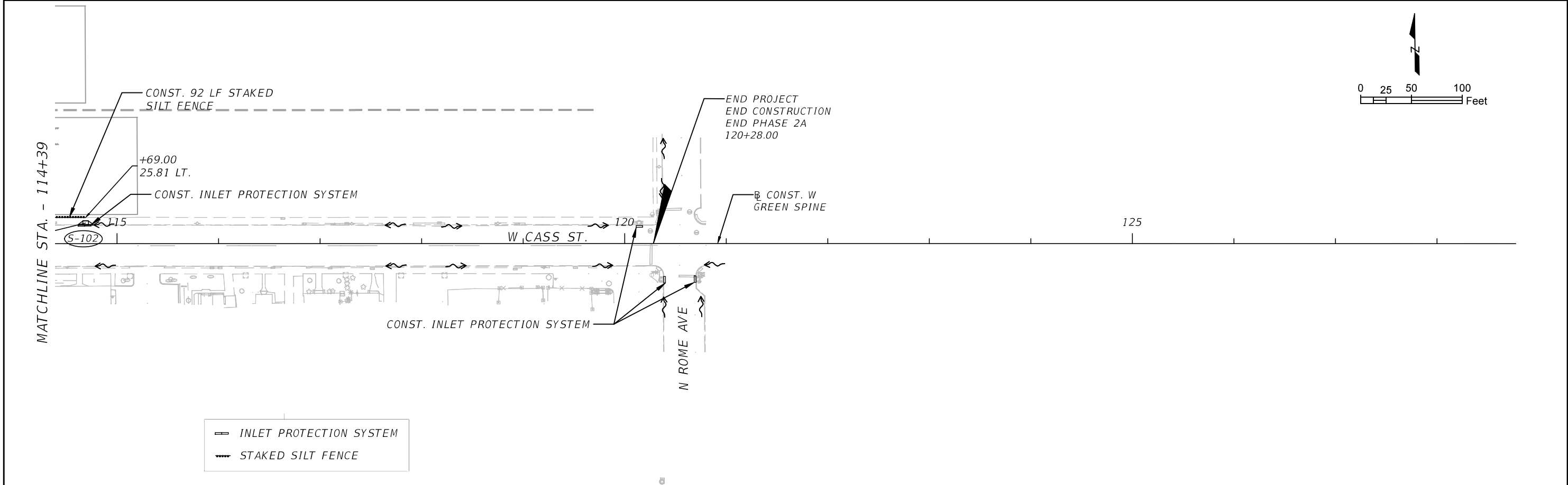
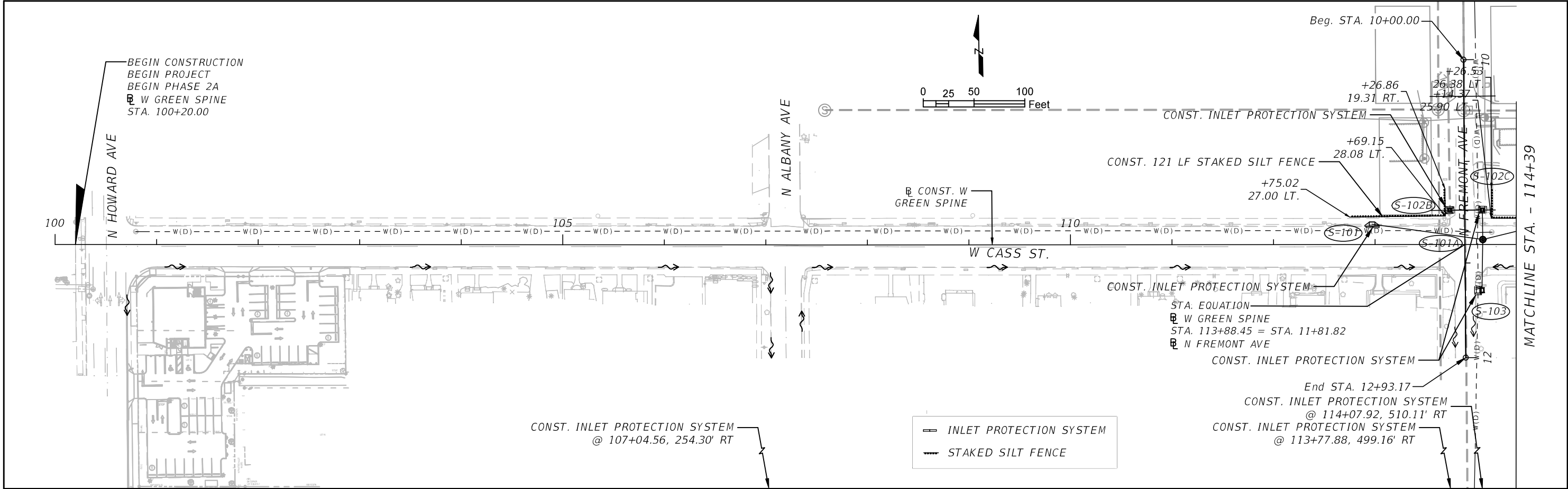
S-101

112+97.00

DRAINAGE STRUCTURES (1)



REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602	CITY OF TAMPA MOBILITY DEPARTMENT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.	
				ENGINEER OF RECORD: CURT SPRUNGER ,P.E. P.E. NO: 66524	CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022	17



REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602 ENGINEER OF RECORD: CURT SPRUNGER ,P.E. P.E. NO: 66524	CITY OF TAMPA MOBILITY DEPARTMENT			<i>EROSION CONTROL PLAN</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.		18
					CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-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.

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.

CURT SPRUNGER, P.E.
KISINGER CAMPO AND ASSOCIATES CORP. STORMWATER SERVICES

DATE

R E V I S I O N S				CITY OF TAMPA MOBILITY DEPARTMENT	STORMWATER POLLUTION PREVENTION PLAN (2)			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
				ENGINEER OF RECORD: CURT SPRUNGER ,P.E. P.E. NO: 66524	ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.	20
					CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022	

Nicholas Lamoureux 6/14/2024 12:21:43 PM

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

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 MUST BE ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
2. MAINTAIN ALL EXISTING WARNING, GUIDE, AND REGULATORY SIGNS AT ALL TIMES. RELOCATE, REMOVE, OR COVER SIGNS FOR EACH TRAFFIC PATTERN PHASE, AS APPROVED BY THE ENGINEER.
3. DELINEATE ALL LANE TAPERS AND MAINTAINED LANE LINES ADJACENT TO CONSTRUCTION AREAS WITH TYPE 1 OR 2 BARRICADES, VERTICAL PANELS, TEMPORARY DRUMS OR TEMPORARY LOW PROFILE BARRIER AS APPROVED BY THE ENGINEER.
4. MAINTAIN THE EXISTING SPEED LIMIT OF 30 MPH AT ALL TIMES, UNLESS OTHERWISE NOTED IN THE PLANS.
5. NOTIFY THE ENGINEER A MINIMUM OF 7 DAYS IN ADVANCE OF ANY LANE CLOSURES.
6. AT THE DISCRETION OF THE THE ENGINEER, OPEN ANY TEMPORARY LANE CLOSURE CAUSING EXTENDED TRAFFIC CONGESTION (5 MINUTE DELAY) UNTIL TRAFFIC HAS RETURNED TO AN ACCEPTABLE FLOW AS DETERMINED BY THE ENGINEER.
7. PROVIDE A TEMPORARY TRAFFIC CONTROL PLAN, PREPARED BY A FDOT ADVANCED TRAFFIC CONTROL CERTIFIED PROFESSIONAL.
8. NOTIFY THE CITY OF TAMPA PARKING DIVISION A MINIMUM OF 7 DAYS IN ADVANCE OF ANY PARKING SPACE CLOSURE.
PHONE: (813) 274-8179
9. NOTIFY THE HILLSBOROUGH AREA REGIONAL TRANSIT AUTHORITY (HART) PROJECT MANAGER 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. CONTACT THE UNIVERSITY OF TAMPA SENIOR PROJECT MANAGER FOR DESIGN AND CONSTRUCTION SERVICES FOR CONSTRUCTION COORDINATION OF THE UNIVERSITY OF TAMPA ACCESS POINTS.
11. WHEN CONSTRUCTING FULL DEPTH PAVEMENT, MAINTAIN AN ACTIVE WORK ZONE AROUND DROP OFF HAZARDS UNTIL STRUCTURAL COURSE IS PLACED, OR USE TRAFFIC WALL AT NO ADDITIONAL COST.
12. PLACE PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (PCMS) 500 FT. IN ADVANCE OF THE WORK ZONE FOR A PERIOD OF FOURTEEN DAYS PRIOR TO THE FIRST DAY OF ROADWAY CONSTRUCTION. MESSAGES WILL READ:

MESSAGE 1	MESSAGE 2
ROAD WORK CASS ST.	BEGINS "BEGIN DATE"

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

MESSAGE 1
EXPECT LANE CLOSURE

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

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

DURING LANE CLOSURE THE PCMS MESSAGE MUST READ (UNLESS OTHERWISE DIRECTED BY THE ENGINEER):

MESSAGE 1	MESSAGE 2
CASS STREET CLOSED	DATE TO DATE

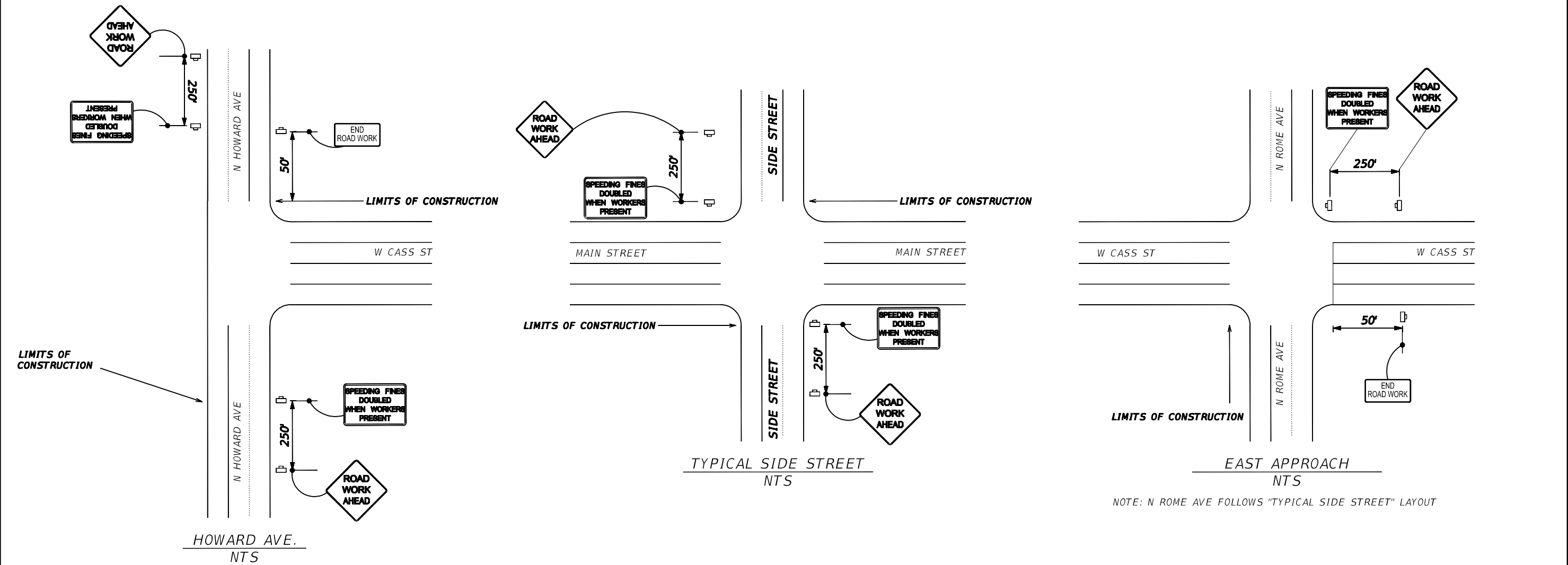
PHASE I NOTES:

- THE INTENT OF THIS PHASE IS TO CONSTRUCT WIDENING, DRAINAGE, SIGNALIZATION AND ROADSIDE IMPROVEMENTS ALONG CASS ST.
1. PLACE ADVANCE WARNING TRAFFIC CONTROL DEVICES AS SHOWN IN THE ADVANCED WARNING LAYOUT DETAIL AND USE STANDARD PLANS INDEX 102-600.
2. USE STANDARD PLANS 102-613, 102-615, 102-660 TO CONSTRUCT THE PROPOSED DRAINAGE, CURB, SIDEWALK, DRIVEWAYS AND REFLECTIVE RAPID FLASHING BEACONS.

PHASE II NOTES:

- THE INTENT OF THIS PHASE IS TO MILL AND RESURFACE THE ROADWAY, CONSTRUCT THE CYCLE TRACK SEPARATOR AND PLACE FINAL SIGNING AND PAVEMENT MARKINGS.
1. MILL AND RESURFACE THE EXISTING PAVEMENT USING STANDARD PLANS 102-613 AND 102-615.
2. PLACE FINAL PAVEMENT MARKINGS FOR THE 10' TRAVEL LANES, ALONG WITH THE ON-STREET PARKING LOCATED ON THE NORTH SIDE OF THE ROADWAY, PER THE SIGNING AND PAVEMENT MARKING PLANS. PLACE FINAL CROSSWALK AND STOP BAR MARKINGS.
- PERFORM THE FOLLOWING WORK IN TWO-BLOCK SEGMENTS AT A TIME:
3. PERMANENTLY CLOSE THE SOUTHSIDE OF THE EXISTING ROADWAY ALONG THE NORTHERN EDGE OF THE CYCLE TRACK SEPARATORS.
4. USE STANDARD PLAN 102-602 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 THE BRICK PAVER INSET.
5. PLACE FINAL CYCLE TRACK PAVEMENT MARKINGS.
6. UPON COMPLETION OF ALL OTHER CONSTRUCTION ACTIVITIES PLACE FINAL SIGNS AND REMOVE TEMPORARY TRAFFIC CONTROL DEVICES.

R E V I S I O N S				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602	CITY OF TAMPA MOBILITY DEPARTMENT			TRAFFIC CONTROL PLAN (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.		21
					CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022		
				ENGINEER OF RECORD: FATHY ABDALLA, P.E. P.E. NO: 63914					



→

LANE IDENTIFICATION AND DIRECTION OF TRAFFIC

□

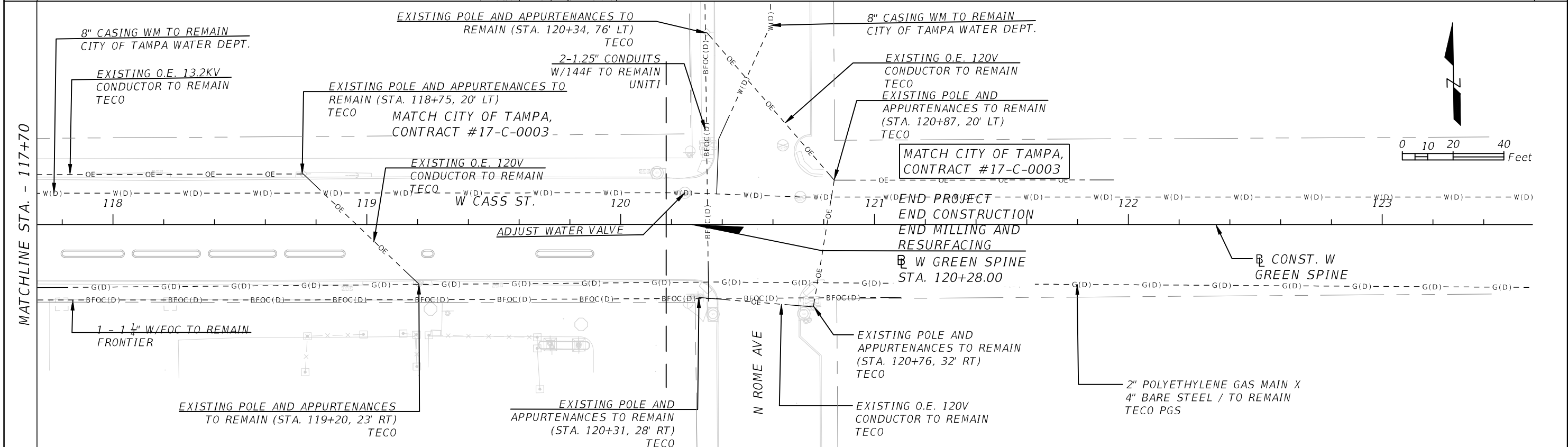
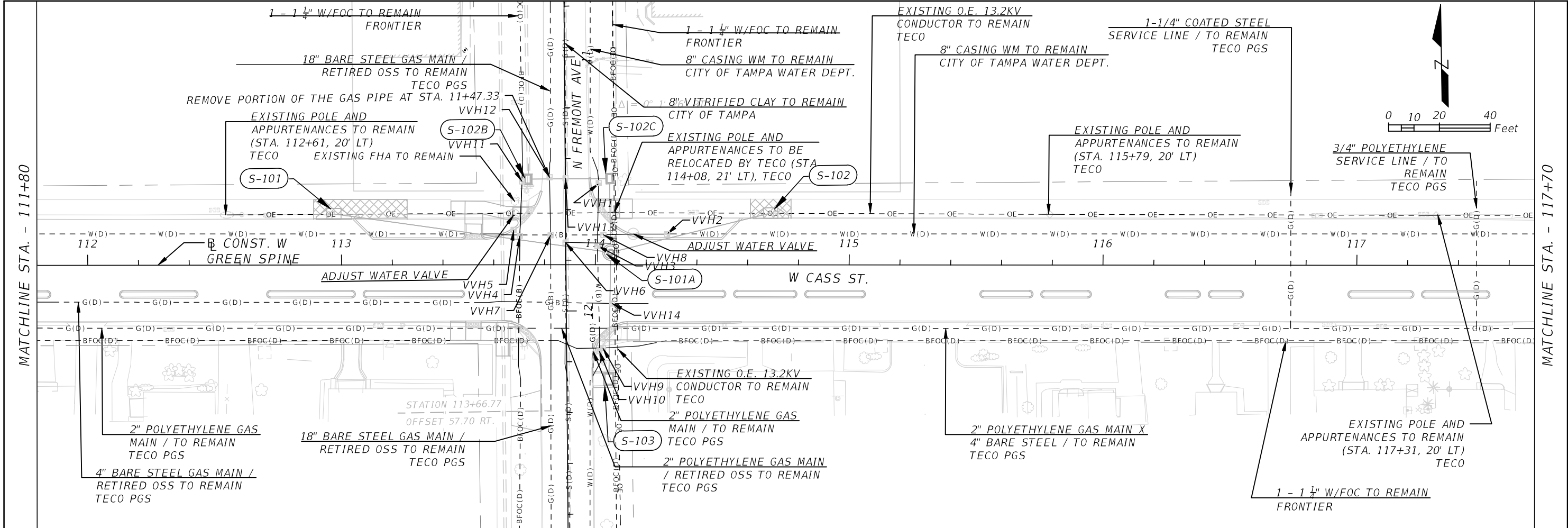
WORK ZONE SIGN

□

PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (SEE TTC GENERAL NOTES FOR MORE INFORMATION)

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602	CITY OF TAMPA MOBILITY DEPARTMENT			TRAFFIC CONTROL PLAN (2)	SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.		
				ENGINEER OF RECORD: FATHY ABDALLA, P.E. P.E. NO: 63914	CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022		

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	CITY OF TAMPA MOBILITY DEPARTMENT			UTILITY ADJUSTMENT SHEET (2)	SHEET NO. 24
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.		
				ENGINEER OF RECORD: FATHY ABDALLA, P.E. P.E. NO: 63914	CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022		

SUBSURFACE UTILITY EXCAVATION - VACUUM TEST HOLE REPORT								
Vvh No.	TEST HOLE DATE	UTILITY DESCRIPTION		UTILITY LOCATION INFORMATION		HUB ELEVATION	UTILITY COVER	TOP OF UTILITY ELEVATION
		UTILITY OWNER	SIZE - MATERIAL - TYPE	NORTHING	EASTING			
1	9/3/2019	CITY OF TAMPA	6" CIP WATER	1314806.50	501592.23	17.76'	2.11'	15.65'
2	9/3/2019	CITY OF TAMPA	8" CIP WATER	1314785.03	501618.84	17.97'	1.93'	16.04'
3	9/3/2019	CITY OF TAMPA	6" CIP WATER	1314780.87	501591.32	17.84'	2.28'	15.56'
4	9/3/2019	FRONTIER	1.25" PE FOC	1314785.17	501560.82	18.02'	5.29'	12.73'
5	9/4/2019	CITY OF TAMPA	6"X8" TEE WATER	1314787.61	501558.43	17.93'	1.85'	16.08'
6	9/4/2019	CITY OF TAMPA	8" CLAY SS	1314782.36	501578.78	17.98'	1.58'	16.40'
7	9/4/2019	TECO PEOPLE'S GAS	18" STL GAS	1314785.26	501572.95	17.98'	4.07'	13.91'
8	9/4/2019	CITY OF TAMPA	8" CIP WATER	1314785.13	501593.74	17.84'	2.30'	15.54'
9	9/4/2019	FRONTIER	1.25" PE FOC	1314740.56	501592.91	17.96'	1.40'	16.56'
10	9/4/2019	CITY OF TAMPA	6" CIP WATER	1314739.36	501591.45	17.92'	2.68'	15.24'
11	9/5/2019	FRONTIER	1.25" PE FOC	1314806.64	501561.98	18.31'	3.08'	15.23'
12	9/5/2019	TECO PEOPLE'S GAS	18" STL GAS	1314808.09	501572.91	18.18'	4.40'	13.78'
13	9/5/2019	CITY OF TAMPA	8" CLAY SS	1314807.61	501579.14	18.33'	2.12'	16.21'
14	9/5/2019	TECO PEOPLE'S GAS	4" STL GAS	1314758.06	501596.75	17.80'	2.26'	15.54'
15	9/5/2019	CITY OF TAMPA	6" CIP WATER	1314877.94	506594.21	11.22'	4.73'	6.49'
16	9/5/2019	UNKNOWN	4" PVC MULTI DUCT BT	1314889.03	506586.05	11.33'	4.69'	6.64'
17	9/6/2019	CITY OF TAMPA	6" CIP WATER	1317890.42	511831.94	24.46'	4.73'	19.73'
18	9/6/2019	CITY OF TAMPA	6" CIP WATER	1317616.03	511782.55	22.51'	4.22'	18.29'
19	9/6/2019	TECO PEOPLE'S GAS	4" STL GAS	1317529.68	511759.93	21.76'	2.66'	19.10'
20	9/6/2019	TECO PEOPLE'S GAS	8" HDPE GAS	1317472.83	511733.11	21.97'	3.54'	18.43'
21	9/6/2019	TECO PEOPLE'S GAS	12" STL GAS	1317487.62	511819.39	21.63'	4.09'	17.54'
22	9/6/2019	TECO PEOPLE'S GAS	4" PE GAS	1317502.19	511829.37	21.59'	3.15'	18.44'
23	9/9/2019	N/A	N.F.V. SIZE AND MATERIAL	1317467.54	511806.24	N/A		
24	9/9/2019	TECO PEOPLE'S GAS	12" STL GAS	1317488.13	511740.48	21.93'	3.68'	18.25'
25	9/9/2019	CITY OF TAMPA	1.50" STL WATER	1314890.30	506595.87	11.16'	0.90'	10.26'

NOTES:

- (1) UNITS: ALL MEASUREMENTS ARE IN THE U.S. SURVEY FOOT
- (2) HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 ADJUSTMENT of 2011. (NAD83/2011)
- (3) PROJECTION: FLORIDA STATE PLANE COORDINATE SYSTEM WEST ZONE (FL83W)
- (4) VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- (5) NO UTILITIES FOUND (N.U.F.): "N.U.F." INDICATES THAT NO UTILITY WAS LOCATED BY GPR AND AN EXPLORATORY UTILITY INVESTIGATION WAS PERFORMED WITH VACUUM EXCAVATION TO FIVE FEET BELOW EXISTING GROUND AND BY AIR LANCE TO TEN FEET BELOW EXISTING GROUND UNLESS OTHERWISE NOTED.
- (6) NOT FIELD VERIFIED (N.F.V.): "N.F.V." INDICATES THAT A UTILITY SIZE, MATERIAL, TYPE OR COMBINATION THEREOF, WAS UNABLE TO BE VISUALLY VERIFIED DUE TO FIELD CONDITIONS EXISTING AT THE TIME OF THE UTILITY INVESTIGATION. SUCH FIELD CONDITIONS MAY INCLUDE, BUT NOT LIMITED TO: SOIL OR SURFACE MATERIAL WHICH REQUIRE OTHER THAN NON-INVASIVE EXCAVATION TECHNIQUES, EXISTING GROUND WATER, CAVE-INS, MAINTENANCE OF TRAFFIC (M.O.T.) REQUIRED AREAS, OR OTHER HAZARDOUS CONDITIONS.
- (7) VVH 23 HAS ELEC. DEPTH OF 16' WITH THE RD7100.

ABBREVIATIONS					
℅	BASELINE	FM	FORCE MAIN - SANITARY	PVC	POLYVINYL CHLORIDE PIPE
BE	BURIED ELECTRIC	HDPE	HIGH DENSITY POLYETHYLENE	RD	RADIO DETECTION
BT	BURIED TELEPHONE	ITS	INTELLIGENT TRANSPORTATION SYSTEM	SS	SANITARY SEWER
CATV	CABLE TELEVISION	N/A	NOT APPLICABLE	STL	STEEL
CIP	CAST IRON PIPE	NFV	NOT FIELD VERIFIED	SL	STREET LIGHT
DB	DIRECT BURIED	No./NO.	NUMBER	TS	TRAFFIC SIGNAL
DIP	DUCTILE IRON PIPE	NUF	NO UTILITY FOUND	UNK	UNKNOWN
FOC	FIBER OPTIC CABLE	PE	POLYETHYLENE PIPE	Vvh	VERIFIED VERTICAL ELEVATION & HORIZONTAL LOCATION
FPID	FLORIDA PROJECT IDENTIFICATION NUMBER				

REVISIONS				KISINGER CAMPO & ASSOCIATES CORP. 201 N FRANKLIN ST, SUITE 400, TAMPA, FL 33602	CITY OF TAMPA MOBILITY DEPARTMENT			UTILITY ADJUSTMENT SHEET (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	PROJ. ID. / CONTRACT NO.		
				ENGINEER OF RECORD: FATHY ABDALLA, P.E. P.E. NO: 63914	CASS ST.	HILLSBOROUGH	439476-5-58-01 17-D-00022		25