

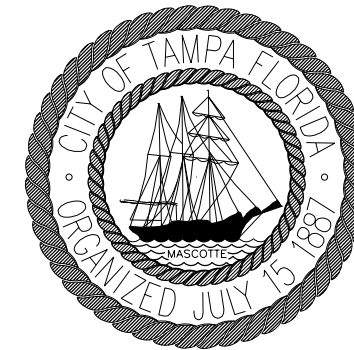
COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS

CITY OF TAMPA  
DEPARTMENT OF TRANSPORTATION  
AND STORMWATER

CONTRACT PLANS

CITY OF TAMPA PROJECT ID (TO BE DETERMINED)  
FDOT FINANCIAL PROJECT ID 443711-1-58-01  
(FEDERAL FUNDS)  
HILLSBOROUGH COUNTY (10000611)  
WEST PLATT STREET AT SOUTH FREMONT AVENUE



INDEX OF ROADWAY PLANS

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31	REPORT OF CORE BORINGS
SQ-1 - SQ-6	SUMMARY OF QUANTITIES
SQ-7 - SQ-8	TABULATION OF QUANTITIES
* UTV-1 - UTV-2	VERIFIED UTILITY LOCATE

\* THESE SHEETS ARE INCLUDED IN THE INDEX OF ROADWAY PLANS ONLY TO INDICATE THAT IT IS PART OF THE ROADWAY PLANS. THEY ARE CONTAINED IN A SEPARATE DOCUMENT.

GOVERNING DESIGN STANDARDS:

Florida Department of Transportation, FY 2021/22 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

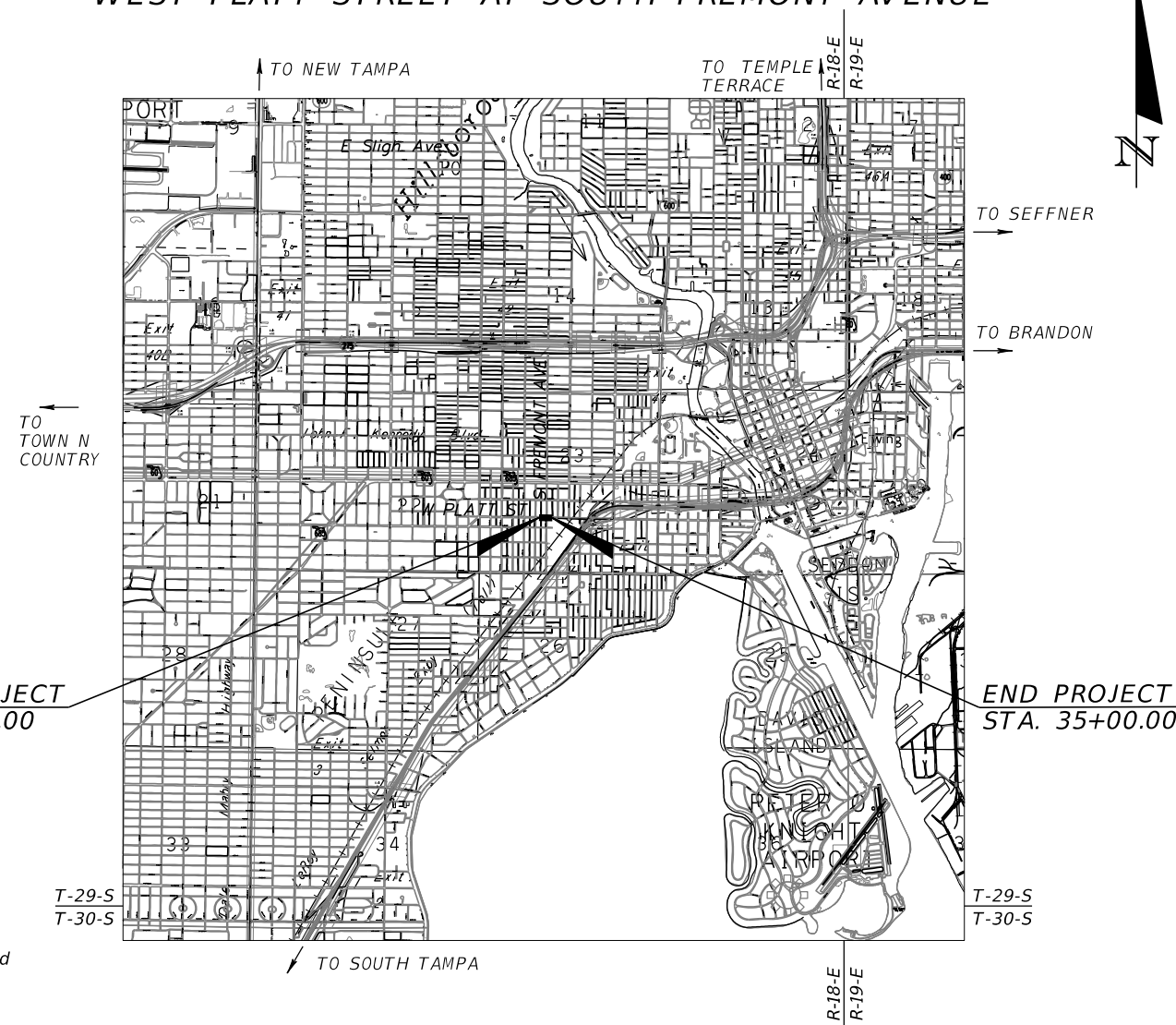
Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

And City of Tampa Stormwater Standards; which can be found at the following web site, Latest Edition: <https://www.tampagov.net/tss-stormwater/info/document-library>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, January 2022 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

And City Of Tampa Technical Standards Guideline For Construction Of Wastewater Facilities, Latest Edition.



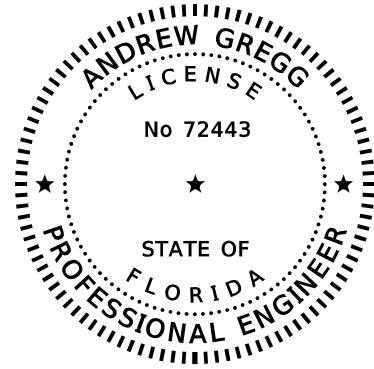
ROADWAY PLANS  
ENGINEER OF RECORD:

ANDREW GREGG, P.E.  
P.E. NO.: 72443  
ELEMENT ENGINEERING GROUP  
1713 E. 9th AVENUE  
TAMPA, FL 33605  
PHONE: 813.386.2101  
VENDOR NO. 56-2565488

CITY PROJECT MANAGER:  
JAE-SANG LEE

FISCAL YEAR	SHEET NO.
22	1

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:

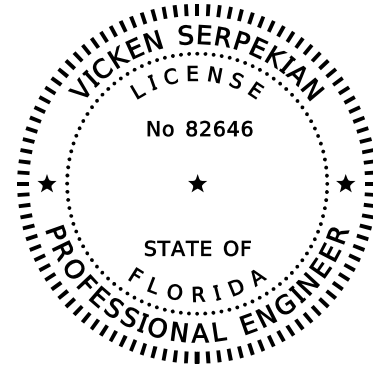
ON THE DATE ADJACENT TO THE SEAL

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ELEMENT ENGINEERING GROUP  
1713 E. 9th AVENUE  
TAMPA, FL 33605  
ANDREW GREGG, P.E. NO. 72443

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
1	KEY SHEET
2	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
4 - 5	TYPICAL SECTON
6 - 7	PROJECT CONTROL
8	GENERAL NOTES
10	ROADWAY PLAN
11 - 13	SPECIAL DETAIL
14 - 18	TEMPORARY TRAFFIC CONTROL PLAN
19	UTILITY ADJUSTMENTS
SQ-1 - SQ-6	SUMMARY OF QUANTITIES



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

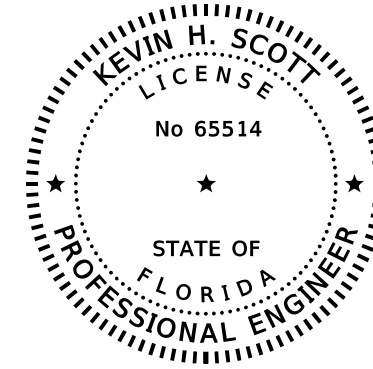
ON THE DATE ADJACENT TO THE SEAL

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ELEMENT ENGINEERING GROUP  
1713 E. 9th AVENUE  
TAMPA, FL 33605  
VICKEN SERPEKIAN, P.E. NO. 82646

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
9	GENERAL NOTES
20	SIGNING AND PAVEMENT MARKING PLAN
21 - 22	SIGNALIZATION PLAN
23 - 24	GUIDE SIGN WORKSHEET
25	SPECIAL SIGN DETAILS
26	SPECIAL DETAILS
27	SPREAD FOOTER DETAILS
28	MAST ARM TABULATION
29	MAST ARM SCHEDULE
30	SPLICING DETAIL
SQ-7 - SQ-8	TABULATION OF QUANTITIES



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.

TIERRA, INC.  
7351 TEMPLE TERRACE HIGHWAY  
TAMPA, FL 33637  
KEVIN H. SCOTT, P.E. NO. 65514

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
31	REPORT OF CORE BORINGS

REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO.  2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						HILLSBOROUGH	443711-1-58-01	

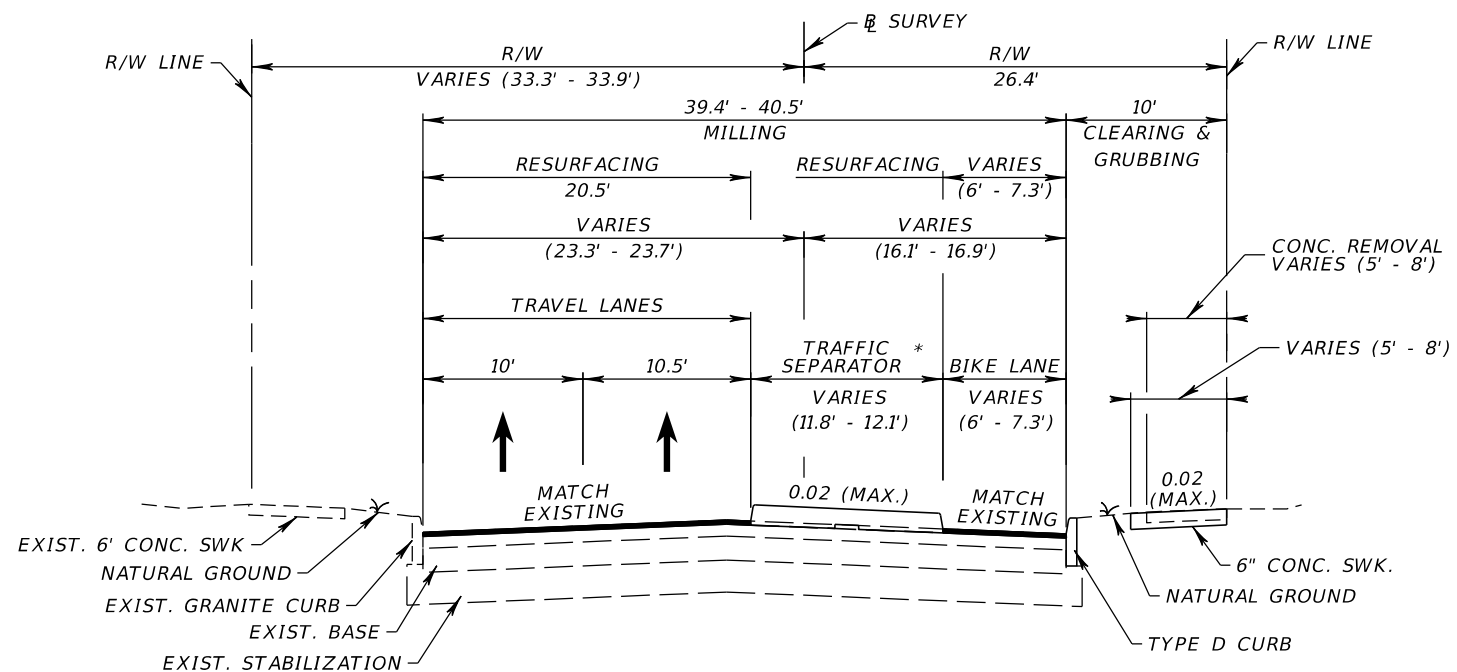
*SIGNATURE SHEET*

PAY ITEMS			
SUMMARY OF ROADWAY			
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL
0101 1	MOBILIZATION	LS	1
0102 1	MAINTENANCE OF TRAFFIC	LS	1
0104 18	INLET PROTECTION SYSTEM	EA	6
0110 1 1	CLEARING & GRUBBING (AC = 0.16)	LS	1
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	229
0285 715	OPTIONAL BASE, BASE GROUP 15	SY	5
0327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	1828
0334 1 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG 76-22	TN	145.5
0425 6	VALVE BOXES, ADJUST	EA	2
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	105
0520 2 4	CONCRETE CURB, TYPE D	LF	277
0520 70	CONCRETE TRAFFIC SEPARATOR, SPECIAL -VARIABLE WIDTH	SY	151
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	441
0527 2	DETECTABLE WARNINGS	SF	208
0570 1 2	PERFORMANCE TURF, SOD	SY	112

PAY ITEMS			
SUMMARY OF SIGNING AND PAVEMENT MARKINGS			
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	3
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	2
700-1-50	SINGLE POST SIGN, RELOCATE	AS	1
700-1-60	SINGLE POST SIGN, REMOVE	AS	2
700-1-74	SINGLE POST SIGN, F&I CUSTOM, 31+ SF	AS	1
700-13-15	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'	EA	2
706-1-3	RAISED PAVEMENT MARKER, TYPE B	EA	61
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS	1
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK	LF	229
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	227
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE	LF	52
711-11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM	0.015
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	4
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF	6
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	198
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	2
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	2
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.108
711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.084
711-16-131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6".10-30 SKIP	GM	0.031
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.078
920-714-100	GREEN COLORED PAVEMENT MARKINGS, BIKE LANE	SF	779

PAY ITEMS			
SUMMARY OF SIGNALIZATION PLAN			
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL
611-1-1	ITSFM SUBSURFACE DOCUMENTATION - PROJECT LENGTH	MI	0.015
611-2-1	ITSFM SUBSURFACE DOCUMENTATION - INTERSECTION	EA	1
630-2-11	CONDUIT (F&I) (OPEN TRENCH)	LF	305
630-2-12	CONDUIT (F&I) (DIRECTIONAL BORE)	LF	200
632-7-1	SIGNAL CABLE (NEW) (F&I)	PI	1
633-1-121	FIBER OPTIC CABLE (F&I) (UNDERGROUND) (2-12 FIBERS)	LF	215
633-2-31	FIBER OPTIC CONNECTION (INSTALL, SPLICE)	EA	4
633-2-32	FIBER OPTIC CONNECTION (INSTALL, TERMINATION)	EA	12
633-3-11	FIBER OPTIC CONNECTION HARDWARE (F&I) (SPLICE ENCLOSURE)	EA	1
633-3-12	FIBER OPTIC CONNECTION HARDWARE (F&I) (SPLICE TRAY)	EA	1
633-3-14	FIBER OPTIC CONNECTION HARDWARE (F&I) (BUFFER TUBE FAN OUT KIT)	EA	1
633-3-16	FIBER OPTIC CONNECTION HARDWARE (F&I) (PATCH PANEL, FIELD TERMINATED)	EA	1
633-3-17	FIBER OPTIC CONNECTION HARDWARE (F&I) CONNECTOR PANEL)	EA	1
635-2-11	PULL & SPLICE BOX (F&I) (13" x 24" COVER SIZE)	EA	16
635-2-12	PULL & SPLICE BOX (F&I) (24" x 36" COVER SIZE)	EA	1
639-1-122	ELECTRICAL POWER SERVICE (F&I) (UG) (PURCHASED BY CONTRACTOR)	AS	1
639-2-1	ELECTRICAL SERVICE WIRE (F&I)	LF	60
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	1
646-1-11	ALUMINUM SIGNALS POLE (F&I) (PEDESTAL)	EA	9
649-21-1	STEEL MAST ARM ASSEMBLY (F&I) (SINGLE ARM) (30')	EA	1
649-21-8	STEEL MAST ARM ASSEMBLY (F&I) (DOUBLE ARM) (50'-40')	EA	1
650-1-14	VEHICLE TRAFFIC SIGNAL (F&I - ALUMINUM) (3 SECTION, 1 WAY)	AS	7
653-1-11	PEDESTRIAN SIGNAL (F&I) (LED COUNTDOWN) (1 WAY)	AS	8
660-4-11	VEHICLE DETECTION SYSTEM - VIDEO (F&I) (CABINET EQUIPMENT)	EA	1
660-4-12	VEHICLE DETECTION SYSTEM - VIDEO (F&I) (ABOVE GROUND EQUIPMENT)	EA	1
665-1-11	PEDESTRIAN DETECTOR (F&I) (STANDARD)	EA	9
670-5-110	TRAFFIC CONTROLLER ASSEMBLY (F&I) (NEMA)	AS	1
684-1-1	MANAGED FIELD ETHERNET SWITCH (LAYER 2) (F&I)	EA	1
685-1-14	UNINTERRUPTIBLE POWER SUPPLY (F&I) (ONLINE / DOUBLE CONVERSION, WITH CABINET)	EA	1
700-3-101	SIGN PANEL, (F&I) (GROUND MOUNT) (UP TO 12 SF)	EA	1
700-3-201	SIGN PANEL, (F&I) (OVERHEAD MOUNT) (UP TO 12 SF)	EA	6
700-5-22	INTERNALLY ILLUMINATED SIGN (F&I) (OVERHEAD MOUNT) (12-18 SF)	EA	3
715-5-32	LUMINAIRE & BRACKET ARM- GALV STEEL, FURNISH & INSTALL NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE	EA	1

REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO.  3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						HILLSBOROUGH	443711-1-58-01	



NOTE:

- 1- REMOVE EXIST. SWK TO THE NEAREST JOINT AND CONST. ADA COMPLIANT CONC. SWK.
- 2- THE TRAFFIC SEPARATOR FROM STA. 33+80.33 TO STA. 34+43.89 SHALL BE ADA COMPLIANT.

\* TRAFFIC SEPARATOR (TYPE IV, OPTION 11) IS  
 FROM STA. 32+63.53 TO STA. 33+04.72  
 FROM STA. 33+11.72 TO STA. 33+19.47  
 FROM STA. 33+55.42 TO STA. 33+66.86  
 FROM STA. 33+80.33 TO STA. 34+43.89

**TRAFFIC DATA**

CURRENT YEAR = 2021 AADT = 18,900  
 ESTIMATED OPENING YEAR = 2022 AADT = 19,920  
 ESTIMATED DESIGN YEAR = 2042 AADT = 40,240  
 K = 9% D = 100% T = 5.0% (24 HOUR)  
 DESIGN SPEED = 35 MPH  
 POSTED SPEED = 35 MPH

**TYPICAL SECTION**

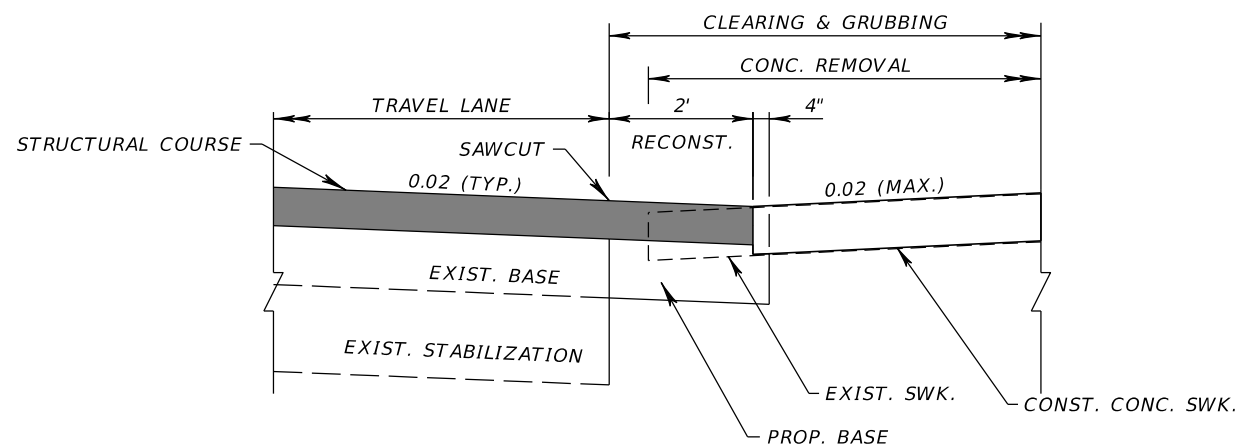
STA. 31+50.00 TO STA. 35+00.00

**MILLING TRAVEL LANE & SIDE STREETS**

MILL EXISTING ASPHALT PAVEMENT (1½" DEPTH)

**RESURFACING TRAVEL LANE & SIDE STREETS**

TYPE SP STRUCTURAL COURSE, PG76-22 (TRAFFIC C) (1½")



**WIDENING / RECONSTRUCTION DETAIL**

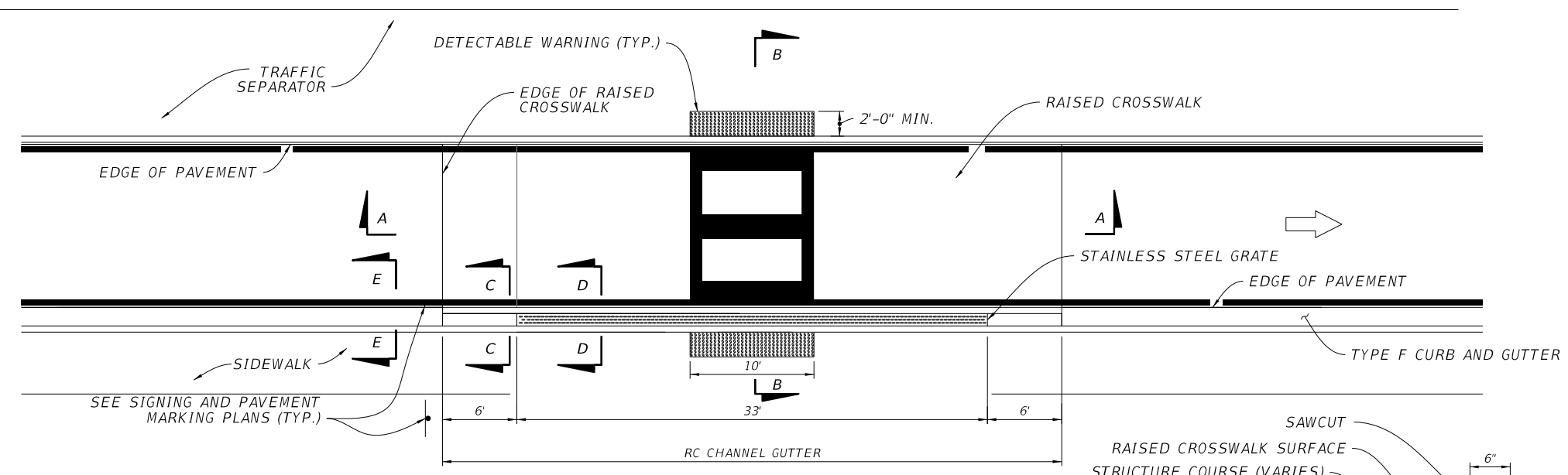
N.T.S.

STA. 33+46.40 TO STA. 33+56.93 (LT.)

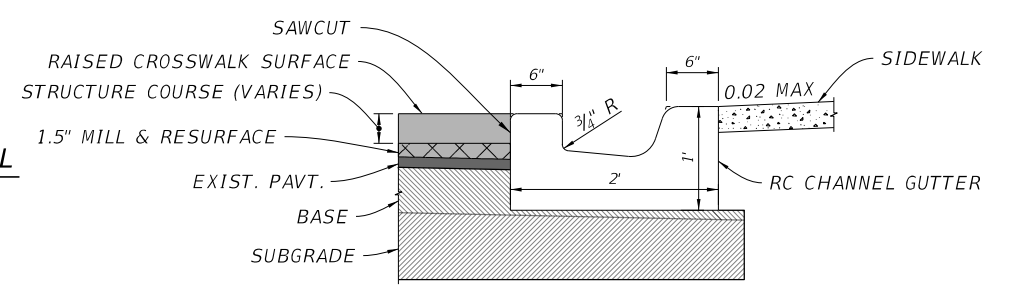
**WIDENING / RECONSTRUCTION**

OPTIONAL BASE GROUP 15 (B-12.5 ONLY) WITH  
 TYPE SP STRUCTURAL COURSE, PG76-22 (TRAFFIC C) (3")

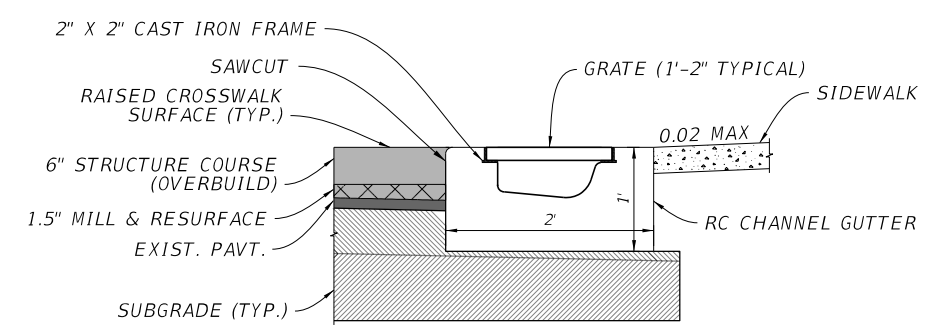
REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO.  4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						HILLSBOROUGH	443711-1-58-01	



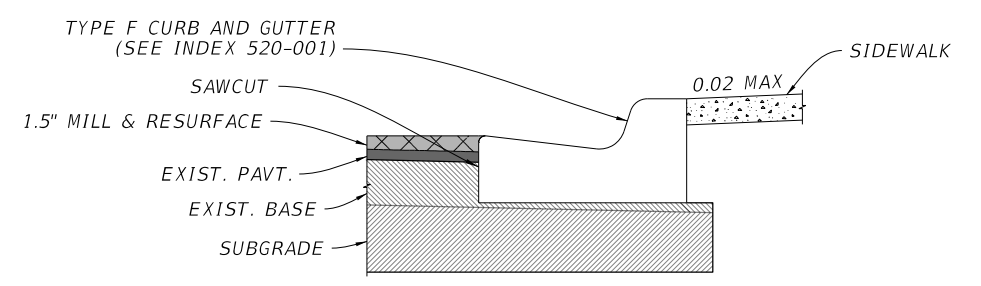
**RAISED CROSSWALK WITH RC CHANNEL GUTTER DETAIL**  
N.T.S.



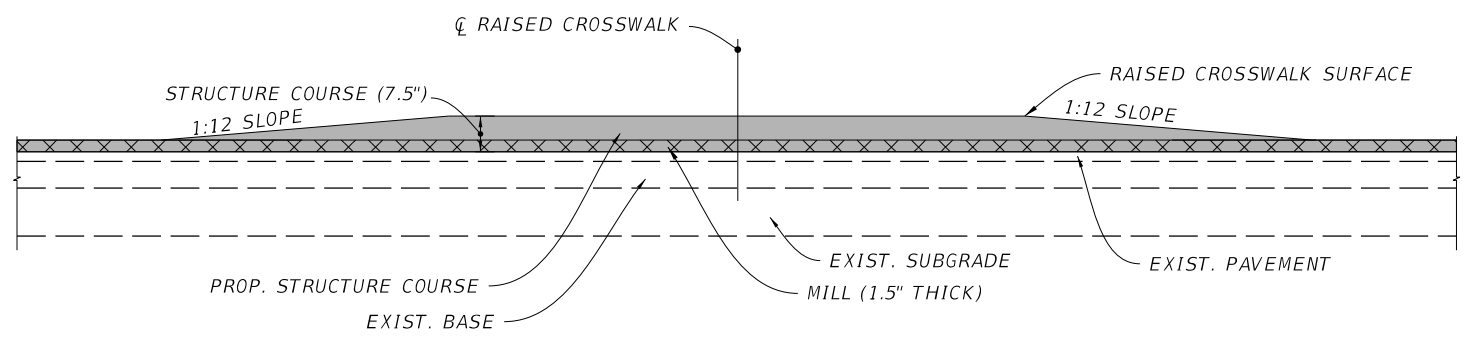
**SECTION C-C**  
N.T.S.



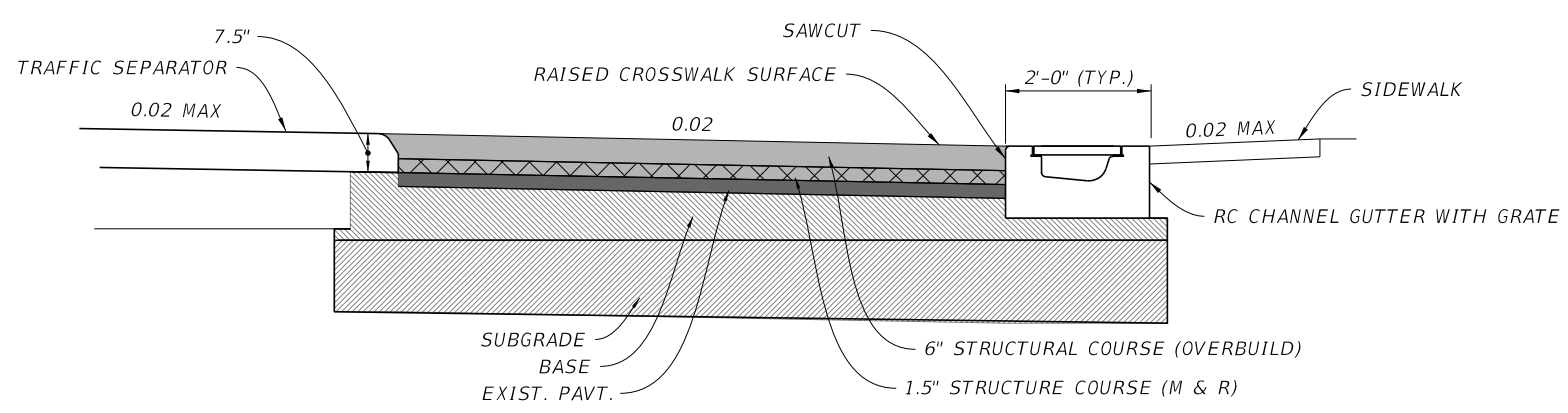
**SECTION D-D**  
N.T.S.



**SECTION E-E**  
N.T.S.



**SECTION A-A**  
N.T.S.

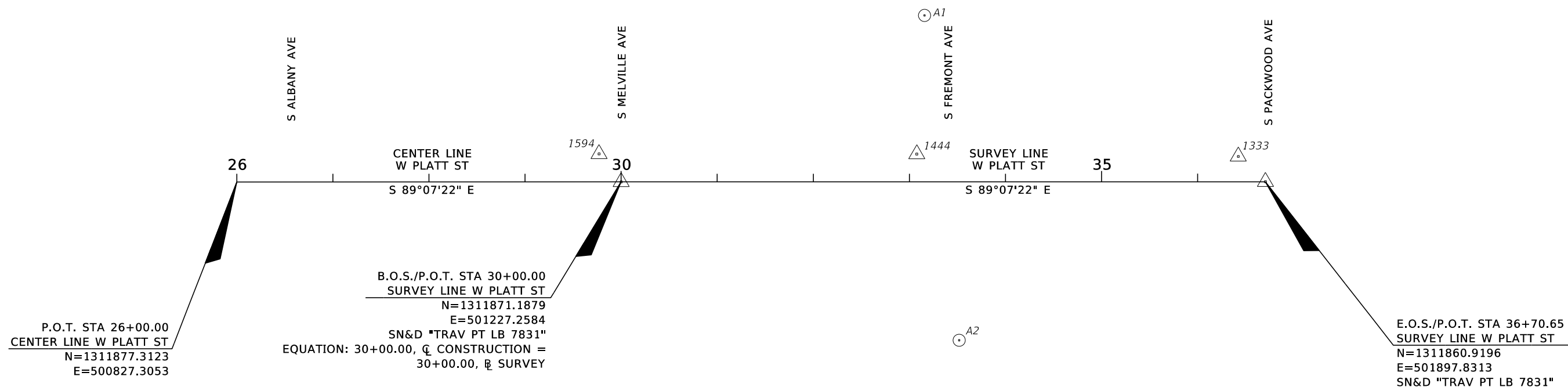


**SECTION B-B**  
N.T.S.

REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			<b>TYPICAL SECTION</b>  SHEET NO. <b>5</b>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						HILLSBOROUGH	443711-1-58-01	

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**PROJECT CONTROL  
SURVEY LINE WEST PLATT STREET  
SECTION 23, TOWNSHIP 29 SOUTH, RANGE 18 EAST  
CITY OF TAMPA, HILLSBOROUGH COUNTY, FLORIDA**



PROJECT CONTROL								
CONTROL POINT	STATION	OFFSET	DESCRIPTION	(Y) NORTHING	(X) EASTING	(Z) ELEVATION	(N) LATITUDE	(W) LONGITUDE
1333	36+42.37	26.37' LT	FOUND NAIL & DISK "COT SURVEY CONTROL"	1311887.7160	501869.9520	17.01'	27°56'30.88834"	82°28'40.43532"
1444	33+07.76	28.93' LT	FOUND NAIL & DISK "COT SURVEY CONTROL"	1311895.3980	501535.4260	17.92'	27°56'30.95145"	82°28'44.16557"
1594	29+76.97	29.08' LT	FOUND NAIL & DISK "COT SURVEY CONTROL"	1311900.6130	501204.6810	19.10'	27°56'30.99024"	82°28'47.85356"
A1	33+15.85	173.17' LT	SET 5/8" IRON ROD & CAP "TRAV PT LB 7831"	1312039.5052	501545.7231	17.77'	27°56'32.37877"	82°28'44.05705"
A2	33+51.82	164.88' RT	SET 5/8" IRON ROD & CAP "TRAV PT LB 7831"	1311700.9380	501576.5083	17.91'	27°56'29.02753"	82°28'43.69902"

**PROJECT CONTROL NOTES**

- THE BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE (0902), 1983 NORTH AMERICAN DATUM, 1990 ADJUSTMENT (NAD83/1990) AS ESTABLISHED FROM CITY OF TAMPA CONTROL STATIONS DESIGNATED "1333", "1444" AND "1594" AS PROVIDED BY THE CITY OF TAMPA.
- ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS ESTABLISHED FROM CITY OF TAMPA BENCHMARKS DESIGNATED "1333", "1444" AND "1594" AS PROVIDED BY THE CITY OF TAMPA.
- PROJECT UNITS: U.S. FEET
- FIELD BOOK REFERENCES: FIELD BOOK EL35.
- LAST DATE OF SURVEY: APRIL 22, 2021
- ELECTRONIC DATABASE: GEOPAK: "JOB001.GPK"
- THIS SHEET IS NOT COMPLETE WITHOUT SHEET 7

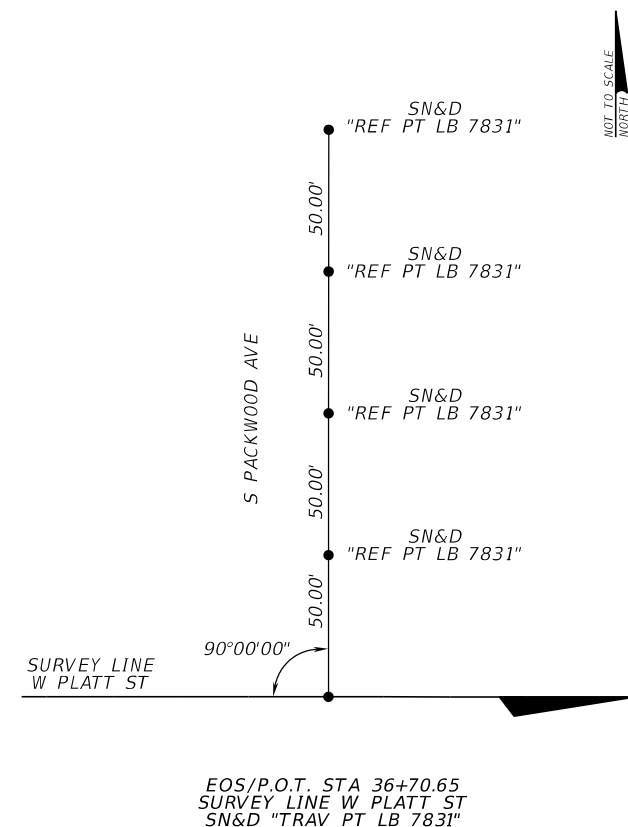
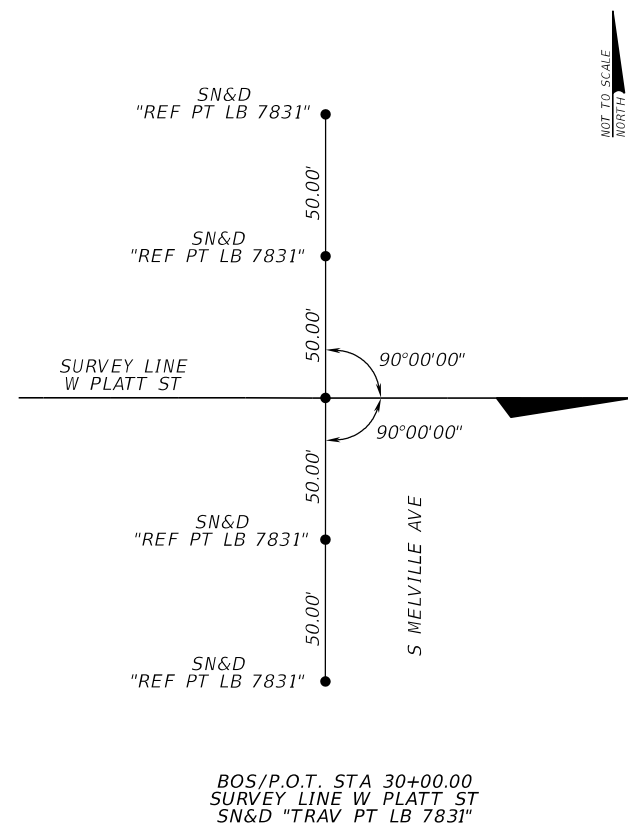
**LEGEND**

- AVE = AVENUE
- B.O.S. = BEGINNING OF SURVEY
- COT = CITY OF TAMPA
- E = EASTING COORDINATE
- E.O.S. = END OF SURVEY
- FN&D = FOUND NAIL & DISK
- LB = LICENSED BUSINESS
- LT = LEFT
- N = NORTHING COORDINATE
- P.O.T. = POINT ON TANGENT
- REF PT = REFERENCE POINT
- RT = RIGHT
- SIRC = SET IRON ROD & CAP
- SN&D = SET NAIL & DISK
- ST = STREET
- STA = STATION
- TRAV PT = TRAVERSE POINT
- △ = NAIL & DISK
- ⊙ = 5/8" IRON ROD AND CAP

SEE SHEET 7 FOR SURVEY LINE REFERENCES

REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO.  6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					HILLSBOROUGH	443711-1-58-01	<b>PROJECT CONTROL</b>	

**PROJECT CONTROL**  
**SURVEY LINE WEST PLATT STREET**  
**SECTION 23, TOWNSHIP 29 SOUTH, RANGE 18 EAST**  
**CITY OF TAMPA, HILLSBOROUGH COUNTY, FLORIDA**



SEE SHEET 6 FOR LEGEND & PROJECT CONTROL NOTES

REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			<b>PROJECT CONTROL</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		7
						HILLSBOROUGH	443711-1-58-01		

GENERAL NOTES  
 =====

1. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:  
 PETER JOHN MATTSON, PSM  
 PSM NO.: # 6290  
 ELEMENT ENGINEERING GROUP  
 1713 E. 9TH AVENUE  
 TAMPA, FL 33605
2. EXISTING GRASSED AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SODDED, NOT SEEDED OR MULCHED.
3. SPECIAL EVENT DAYS FOR THIS PROJECT INCLUDE: NONE
4. ALL GRANITE CURB SHALL BE STOCKPILED AND DELIVERED TO 2700 MARITIME BLVD, TAMPA. CONTACT BRYAN RODGER AT (813) 274-8427, PRIOR TO REMOVAL.
5. STATIC ROLLERS ARE TO BE USED IN LIEU OF VIBRATORY ROLLERS.

REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		8
						HILLSBOROUGH	443711-1-58-01		



PLAN SHEET ABBREVIATIONS

B/B BLUE/BUE  
 ME MATCH EXISTING  
 PFTP PREFORMED THERMOPLASTIC  
 W/R WHITE/RED  
 Y/Y YELLOW/YELLOW

SIGNING AND PAVEMENT MARKING NOTES:

1. PLACE ALL PAVEMENT MARKINGS AS SHOWN IN THE PLANS AND THE APPROPRIATE FDOT STANDARD PLANS INDEX.
2. ALL SIGNS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED IN THE PLANS. RESET ANY EXISTING SIGN TO REMAIN TO CURRENT STANDARDS FOR HEIGHT, OFFSET, AND METHOD OF INSTALLATION, IF IT IS DISTURBED DURING CONSTRUCTION.
3. B/B RPM'S LOCATIONS SHOWN ARE APPROXIMATE. ALL B/B RPM'S SHALL BE PLACED ADJACENT TO EXISTING FIRE HYDRANTS FOLLOWING STANDARD PLANS INDEX 706-001.

SIGNALIZATION GENERAL NOTES:

1. ONE WEEK PRIOR TO THE START OF THE TRAFFIC SIGNAL INSTALLATION, CONTACT:  
  
 A) CITY OF TAMPA TRAFFIC SIGNAL SUPERVISOR  
 MR. DAVID WORLEY  
 3802 EAST 26TH AVENUE  
 TAMPA, FL 33605  
 PHONE: (813) 393-8425  
 E-MAIL: David.Worley@tampagov.net
2. PRIOR TO ALL TRAFFIC SIGNAL CHANGES (I.E. MAINTENANCE OF TRAFFIC CHANGES, NEW SIGNAL INSTALLATIONS, DIFFERENT PAVEMENT CONFIGURATIONS, ETC.), CONTACT THE CITY OF TAMPA TMC (813) 274-7358, AT LEAST 48 HOURS IN ADVANCE FOR IMPLEMENTATION OF APPROPRIATE SIGNAL TIMINGS.
3. SUBMIT SIGNALIZATION BORE LOGS WITH AS-BUILTS.
4. SCHEDULE AN INSPECTION 10 DAYS IN ADVANCE THROUGH THE SIGNAL SHOP SUPERVISOR, DAVID WORLEY.

PAY ITEM NOTES:

1. 630-2-11 / 630-2-12:  
 TWO SEPARATE UNDERGROUND CONDUIT RUNS LOCATED 180 DEGREES APART ARE REQUIRED FOR ALL SIGNAL MAST ARM POLES. THERE SHALL BE A MINIMUM OF TWO RUNS OF TWO INCH CONDUIT BETWEEN THE LAST LOW VOLTAGE (PEDESTRIAN DETECTOR) PULL BOX TO THE LOW VOLTAGE (PEDESTRIAN DETECTOR) PULL BOX LOCATED NEAR THE CONTROLLER CABINET.

ALL CONDUIT RUNS SHOWN ON THE PLANS ARE SCHEMATIC AND FIELD ADJUSTMENTS MAY BE NECESSARY, WITH THE EXCEPTION OF ELECTRICAL POWER SERVICE DUCTS. ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40PVC, UNLESS OTHERWISE SPECIFIED IN THE PLANS. ALL CONDUIT SHALL BE TERMINATED WITH A BELL END AND SPARES ARE TO BE CAPPED AND HAVE TRACK WIRE OR MULE TAPE.

2. 632-7-1:  
 VERIFY COLOR CODES FOR SIGNAL CABLE WITH THE CITY OF TAMPA SIGNAL SHOP BEFORE ORDERING.

DO NOT RUN SIGNAL CABLE POLE TO POLE OR SIGNAL TO SIGNAL (DAISY CHAIN).

ALL FIELD WIRING MUST BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT, LEGIBLE, WEATHER-PROOF TAGS THAT ARE SECURELY ATTACHED TO EACH CABLE. THE TAGGING SYSTEM PROPOSED SHALL BE SUBMITTED FOR APPROVAL WITH THE OTHER EQUIPMENT SUBMITTALS REQUIRED FOR THIS PROJECT.

3. 635-2-11 / 635-2-12:  
 PULL BOXES INSTALLED IN THE SIDEWALK INCLUDE ALL ADDITIONAL CONCRETE REQUIRED TO MAINTAIN SIDEWALK CONNECTIVITY AND MEET ALL ADA REQUIREMENTS. ALL OTHER PULL BOXES INCLUDE CONCRETE MOW PAD APRONS.

SIGNALIZATION PULL BOXES AND COVERS MUST INCLUDE THE RAISED LOGO "TRAFFIC SIGNAL", INTERCONNECT PULL BOXES AND SPLICE BOXES MUST INCLUDE THE RAISED LOGO "CITY OF TAMPA FIBER OPTIC".

4. 639-1-122:  
 CONTACT THE POWER COMPANY PROVIDING THE ELECTRICAL POWER TO DETERMINE IF A SERVICE PROCESSING OR CONNECTION FEE IS REQUIRED. THE COST OF ANY SUCH FEE WILL BE INCLUDED AS PART OF PAYMENT FOR ELECTRICAL POWER SERVICE ASSEMBLY.

THE COST OF THIS ITEM WILL INCLUDE THE COST FOR THE APPROPRIATE METER CAN CONTAINING AN INTERNAL BYPASS SHUNT SWITCH AS REQUIRED BY THE LOCAL POWER COMPANY.

WILL INLCUDE THE COST FOR A 100 AMP, 4 SPACE DISCONNECT.

5. 641-2-12:  
 CONSIDER THE LOCATION OF P-11 SERVICE POLES AS SHOWN IN THE PLANS TO BE APPROXIMATE. HAND DIG THE FIRST FOUR FEET OF SERVICE POLE FOUNDATIONS; ADJUSTMENTS MAY BE REQUIRED BASED ON FIELD CONDITIONS, AS APPROVED BY THE ENGINEER.

6. 646-1-11:  
 ALUMINUM PEDESTALS SHALL BE MOUNTED ON TRANSFORMER BASE AND MUST HAVE AN ALUMINUM DOOR, NOT PLASTIC. THE GROUND ROD CAN BE WITHIN THE PED SIGNAL FOUNDATION, OR WITHIN THE PED SIGNAL PULL BOX WITHIN 10' OF THE PED POLE, IF THESE APPLICATIONS ARE NOT AVAILABLE, THE GROUND ROD MUST BE ACCESSIBLE FOR INSPECTION. (1) ROD PER POLE. INSTALL MORE GROUND RODS IF THE GROUNDING DOES NOT MEET 25 OHM OR LESS, AFTER THE REQUIRED GROUNDING TEST.

7. 649-21-1 / 649-21-8:  
 INCLUDE A SEPARATE CONDUIT FOR LIGHTING TO BE INSTALLED WITHIN MAST ARM POLE.

REQUEST AND OBTAIN APPROVAL FROM THE ENGINEER FOR AVIAN ABATEMENT TO PREVENT NESTING IN THE MAST ARM ASSEMBLY, INCLUDING THE ARM CONNECTION AREA.

8. 660-4-11 / 660-4-12:  
 CONTACT JOHN GASKINS AT 813-351-9973 FOR INFORMATION AND INSTALLATION OF VIDEO DETECTION UNIT FOR OPTIMUM PERFORMANCE.

9. 665-1-11:  
 PUSH BUTTON WITH TACTILE ARROW SHALL BE PIEZO STYLE LATCHING PUSH BUTTON. INCIDENTAL EQUIPMENT FOR THIS UNIT AND COST WILL BE INCLUDED UNDER THIS PAY ITEM NUMBER. MUST INCLUDE VISUAL INDICATION OF ACTUATION AND SHALL REMAIN ILLUMINATED UNTIL THE PEDESTRIAN WALK INDICATION IS DISPLAYED. MUST INCLUDED ADDITIONAL COST OF LABOR AND NECESSARY EQUIPMENT FOR PROPER LATCHING OPERATION, RACK MOUNTABLE CARD, AND PEDESTRIAN SIGNAL SIGN FTP-68B-06.

THE CONTROL FACE OF THE PUSH BUTTON PEDESTRIAN DETECTORS SHALL BE ARROW SPECIFIC WITH A TACTILE ARROW TO GUIDE THE VISUALLY IMPAIRED PEDESTRIAN TO THE DIRECTION OF THE CROSSWALK. THE LOCATION AND DIRECTION OF THE CONTROL MUST BE ALIGNED WITH THE CROSSWALK. NO ALTERING OF BUTTONS OR UPSIDE DOWN INSTALLATIONS ARE PERMITTED. BUTTON SHALL BE MOUNTED SO THE SPEAKER IS FACING DOWN. THIS TYPE OF BUTTON HAS AN AUDIBLE CHIRP, THE CONTROL FACE OF THE PUSH BUTTON OR THE PUSH BUTTON HOUSING WILL INCLUDE A TACTILE ARROW TO GUIDE THE VISUALLY IMPAIRED PEDESTRIAN TO THE DIRECTION OF THE CROSSWALK. THE LOCATION AND DIRECTION OF THE CONTROL MUST BE ALIGNED WITH THE CROSSWALK.

10. 670-5-110:  
 THIS PAY ITEM SHALL INCLUDE ALL COSTS ASSOCIATED WITH FURNISHING AND INSTALLING A FULLY LOADED T52 TYPE-1, SIZE P-44 CONTROLLER CABINET ASSEMBLY WITH AN EIGHT PHASE BACKPLANE, MINIMUM SIXTEEN LOAD BAY POSITIONS, NO PAINT OUTSIDE, WHITE PAINT INSIDE, GPS CLOCK SYNC, TWO QUAD OUTLETS, ONE DUPLEX GFI, WALL-MOUNT PATCH PANEL (12X SINGLE MODE WITH SC-CONNECTORS), EDGE ETHERNET SWITCH, CONTROLLER COMPATIBLE WITH THE CITY'S CENTRACS TRAFFIC CONTROL SYSTEM AND MMU. NOTIFY THE CITY OF TAMPA SIGNAL SHOP AND FDOT DISTRICT SEVEN TRAFFIC OPERATIONS AT LEAST 48 HOURS IN ADVANCE OF TURNING ON A NEW OR MODIFIED CONTROLLER CABINET ASSEMBLY. CABINET DOOR SHALL OPEN AWAY FROM TRAFFIC, THE TECHNICIAN SLAB SHALL BE A MAXIMUM OF 4" BELOW THE TOP OF THE CONCRETE PAD, THIS MUST INCLUDE ADDITIONAL COST OF LABOR, CONCRETE, AND OTHER MATERIALS FOR CONTROLLER BASE, PAD, STEPS AS ONE UNIT.

11. 685-1-14:  
 THE UNINTERRUPTIBLE POWER SUPPLY (UPS) UNIT SHALL BE HOUSED IN A SEPARATE ENCLOSED CABINET MOUNTED ON A SEPARATE CONCRETE PAD. INSTALL ONE TWO-INCH CONDUIT AND ONE ONE-INCH CONDUIT CONNECTING THE UPS CABINET AND THE TRAFFIC SIGNAL CABINET. INSTALL A NETWORK CABLE THROUGH THE ONE-INCH CONDUIT AND CONNECT FOR REMOTE ACCESS TO THE UPS UNIT. THIS PAY ITEM SHALL INCLUDE THE COST TO FURNISH AND INSTALL THE CABINET TO HOUSE THE UPS ASSEMBLY, THE ADDITIONAL CONCRETE BASE, GROUNDING AND CABLING. COORDINATE WITH CITY OF TAMPA FOR SPECIFICATIONS PRIOR TO ORDERING AND WIRING OF CABINET. THE UPS UNIT SHALL BE OF THE SAME MAKE AND MODEL AS IS CURRENTLY BEING USED BY THE MAINTAINING AGENCY.

12. 700-5-22:  
 ALL INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE EDGE LIT LED TYPE AND SHALL BE LISTED IN THE F.D.O.T.'S APPROVED PRODUCTS LIST. PAY ITEM INCLUDES PROPERLY DESIGNED AND SIZED ADJUSTABLE HANGERS, BRACKETS, CLAMPS AND ALL MISCELLANEOUS HARDWARE NECESSARY TO INSTALL THE SIGNS AS SHOWN IN THE PLANS. ALL INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL HAVE A SEPARATE CABLE FOR EACH SIGN. THE CABLE SHALL BE CONTINUOUS WITH NO SPLICES FROM SIGN TO CONTROLLER CABINET. THE INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL HAVE A SEPARATE BREAKER IN THE CONTROLLER CABINET AND CONNECTED TO THE PHOTOCELL LOCATED INSIDE THE CONTROLLER CABINET.

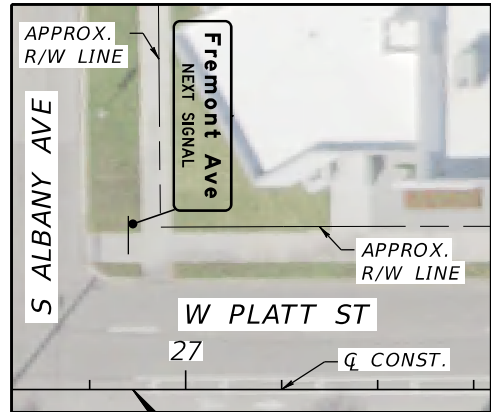
CONTACT ROSS SAMONS WITH DEVELOPMENT AND GROWTH MANAGEMENT TO VERIFY ADDRESS FOR ILLUMINATED STREET NAME SIGNS AT 813-274-7707 AND ROSS.SAMONS@TAMPAGOV.NET.

13. 715-5-32:  
 A BRACKET ONLY CONFIGURATION IS TO BE USED FOR MAST ARM 1.

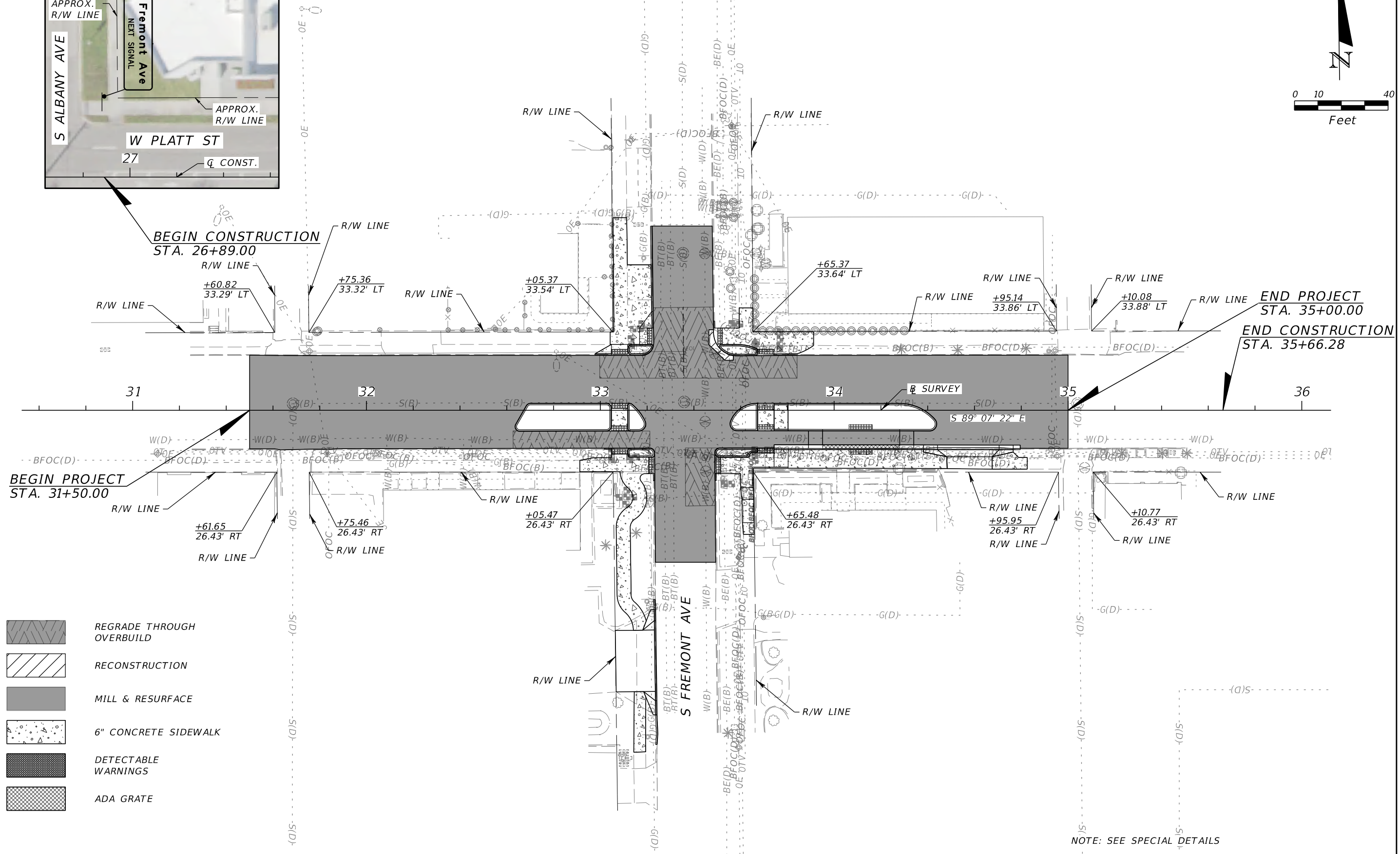
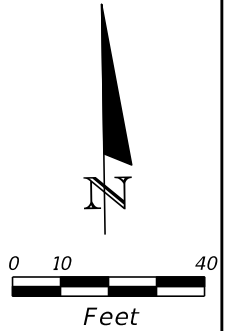
REVISIONS				VICKEN SERPEKIAN, P.E., P.T.O.E. P.E. LICENSE NUMBER 82646 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO.  9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						HILLSBOROUGH	443711-1-58-01	


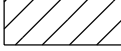

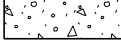


**GENERAL NOTES**

PROPOSED ADVANCE SIGNAL SIGN  
STA 26+89, LT



W PLATT ST



-  REGRADING THROUGH OVERBUILD
-  RECONSTRUCTION
-  MILL & RESURFACE
-  6" CONCRETE SIDEWALK
-  DETECTABLE WARNINGS
-  ADA GRATE

NOTE: SEE SPECIAL DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


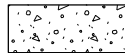
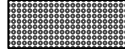
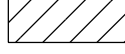

ANDREW GREGG, P.E.  
P.E. LICENSE NUMBER 72443  
ELEMENT ENGINEERING GROUP  
1713 E. 9th AVENUE  
TAMPA, FL 33605

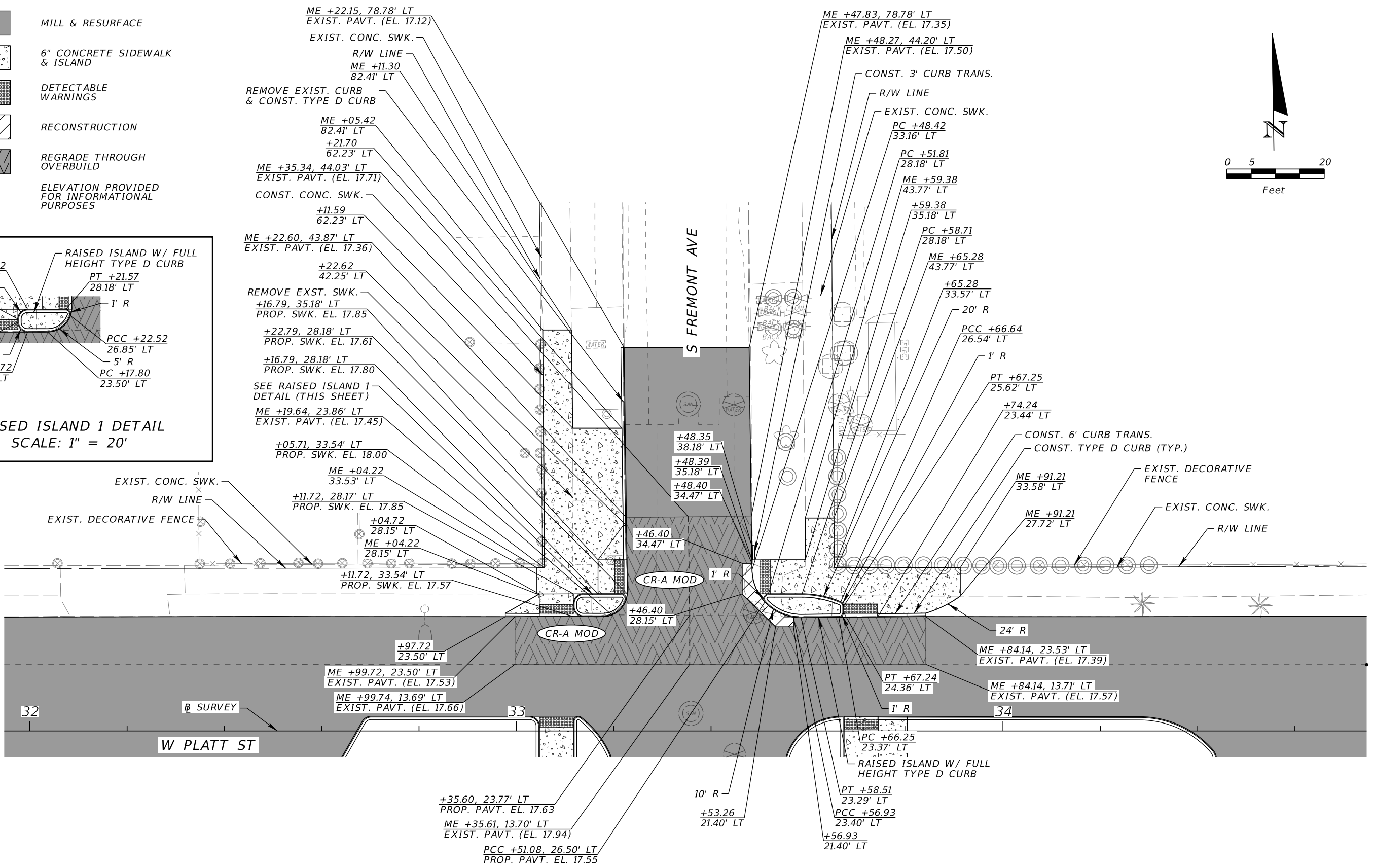
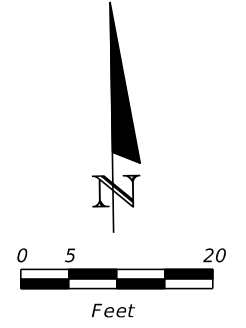
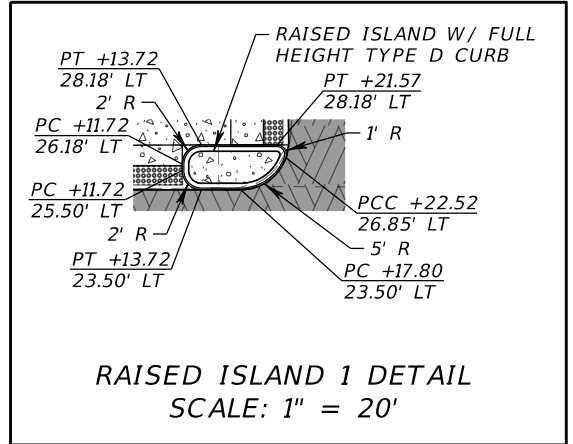
CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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**ROADWAY PLAN**

SHEET NO.  
**10**

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-  MILL & RESURFACE
-  6" CONCRETE SIDEWALK & ISLAND
-  DETECTABLE WARNINGS
-  RECONSTRUCTION
-  REGRADE THROUGH OVERBUILD
- (EL. 0.00) ELEVATION PROVIDED FOR INFORMATIONAL PURPOSES

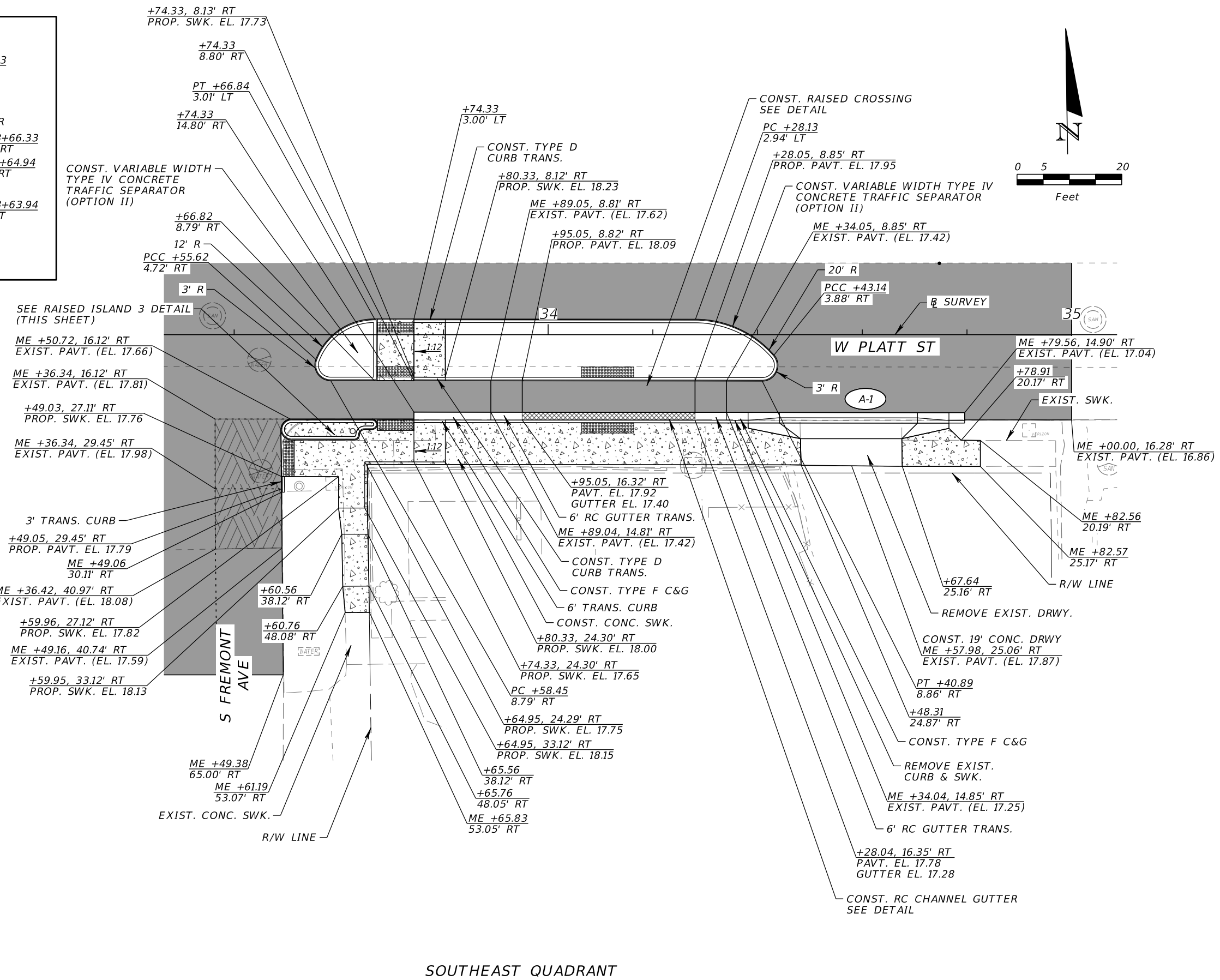
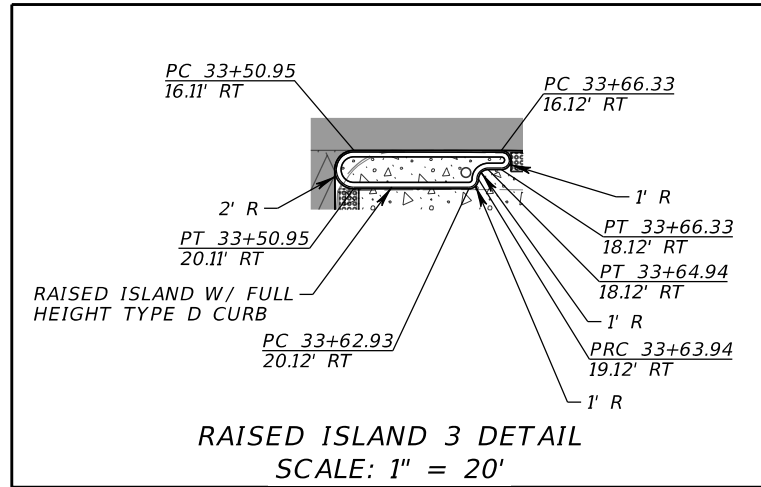





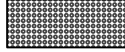

NORTHEAST & NORTHWEST QUADRANTS

REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		<b>SPECIAL DETAIL</b>	SHEET NO.  11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		
					HILLSBOROUGH	443711-1-58-01		

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-  ADA GRATE
-  MILL & RESURFACE
-  6" CONCRETE SIDEWALK & ISLAND
-  DETECTABLE WARNINGS
-  REGRADE THROUGH OVERBUILD
- (EL. 0.00) ELEVATION PROVIDED FOR INFORMATIONAL PURPOSES

REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO.  13
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						HILLSBOROUGH	443711-1-58-01	

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

TEMPORARY TRAFFIC CONTROL GENERAL NOTES:

1. MAINTENANCE OF TRAFFIC MUST BE IN ACCORDANCE WITH CITY OF TAMPA SMART MOBILITY DIVISION STANDARDS. USE THE FOLLOWING INFORMATION IN DEVELOPING A MAINTENANCE OF TRAFFIC PLAN:

- WORK ZONE SPEED LIMIT = 35 MPH ON W PLATT ST AND 25 MPH ON S FREMONT AVE
- MAINTAIN THE EXISTING NUMBER OF LANES WHEN FEASIBLE.
- NO LANE CLOSURE WILL BE ALLOWED BETWEEN THE HOURS OF 8:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM.
- PROVIDE TEMPORARY TRAFFIC CONTROL FOR BICYCLISTS AND PEDESTRIANS WHEN EXISTING BICYCLE AND PEDESTRIAN FACILITIES ARE IMPACTED.
- UTILIZE STANDARD PLAN INDEX 102-600 AND THE APPLICABLE STANDARD PLANS IN THE 102-6"XX" SERIES IN DEVELOPING THE MAINTENANCE OF TRAFFIC PLAN

2. FOR ADVANCE NOTIFICATION, SEVEN (7) DAYS PRIOR TO CONSTRUCTION, PLACE ONE PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) AT THE FOLLOWING LOCATIONS, OR AS DIRECTED BY THE ENGINEER, TO ALERT MOTORISTS TO THE UPCOMING WORK AND CHANGES IN TRAFFIC PATTERNS.

SOUTHBOUND S FREMONT AVE 900 FEET NORTH OF W PLATT ST  
 NORTHBOUND S FREMONT AVE 900 FEET SOUTH OF W PLATT ST  
 EASTBOUND W PLATT ST 1100 FEET WEST OF S FREMONT AVE

MESSAGE PROVIDED 7 DAYS PRIOR TO CONSTRUCTION SHALL BE (OR AS DIRECTED BY THE ENGINEER):

MESSAGE 1: PLATT ST CONST	MESSAGE 2: BEGINS DATE eg. 11/06 -----
------------------------------------	---

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

MESSAGE 1: PLATT ST CONST	MESSAGE 2: EXPECT DELAYS -----
------------------------------------	---

3. DURING LANE CLOSURES, PLACE AN ADDITIONAL PCMS APPROXIMATELY 500 FEET IN ADVANCE OF LANE CLOSURE:

MESSAGE 1: LANE CLOSURE AHEAD	MESSAGE 2: PREPARE TO STOP -----
--	--

4. PROVIDE A FLAGGER OPERATION AT DRIVEWAYS AND SIDE STREETS TO GUIDE VEHICLES THROUGH TRAFFIC CONTROL DEVICES WHEN GUIDANCE CONTROL CANNOT BE OTHERWISE MAINTAINED, SUCH AS DURING PAVING OPERATIONS.

5. MAINTAIN VEHICULAR ACCESS TO DRIVEWAYS AND SIDE STREETS AT ALL TIMES. PROVIDE MATERIALS TO MAINTAIN THE DRIVEWAYS AS DIRECTED BY THE ENGINEER. NOTIFY ADJACENT PROPERTY OWNERS 48 HOURS IN ADVANCE OF CONSTRUCTION ACTIVITIES THAT RESTRICT ACCESS, DELIVERY, ETC., TO PRIVATE OR COMMERCIAL PROPERTIES.

6. PROVIDE TEMPORARY PAVEMENT MARKINGS INDICATING LANE LINES, STOP BARS, AND PAVEMENT MESSAGES TO COMPLETELY DEFINE TRAFFIC FLOW DURING THE CURING PERIOD FOR THE NEW PAVEMENT. PLACE TEMPORARY MARKINGS IN ACCORDANCE WITH THE FINAL LOCATIONS SHOWN ON THE PLAN SET.

7. SPECIAL WORKING HOURS

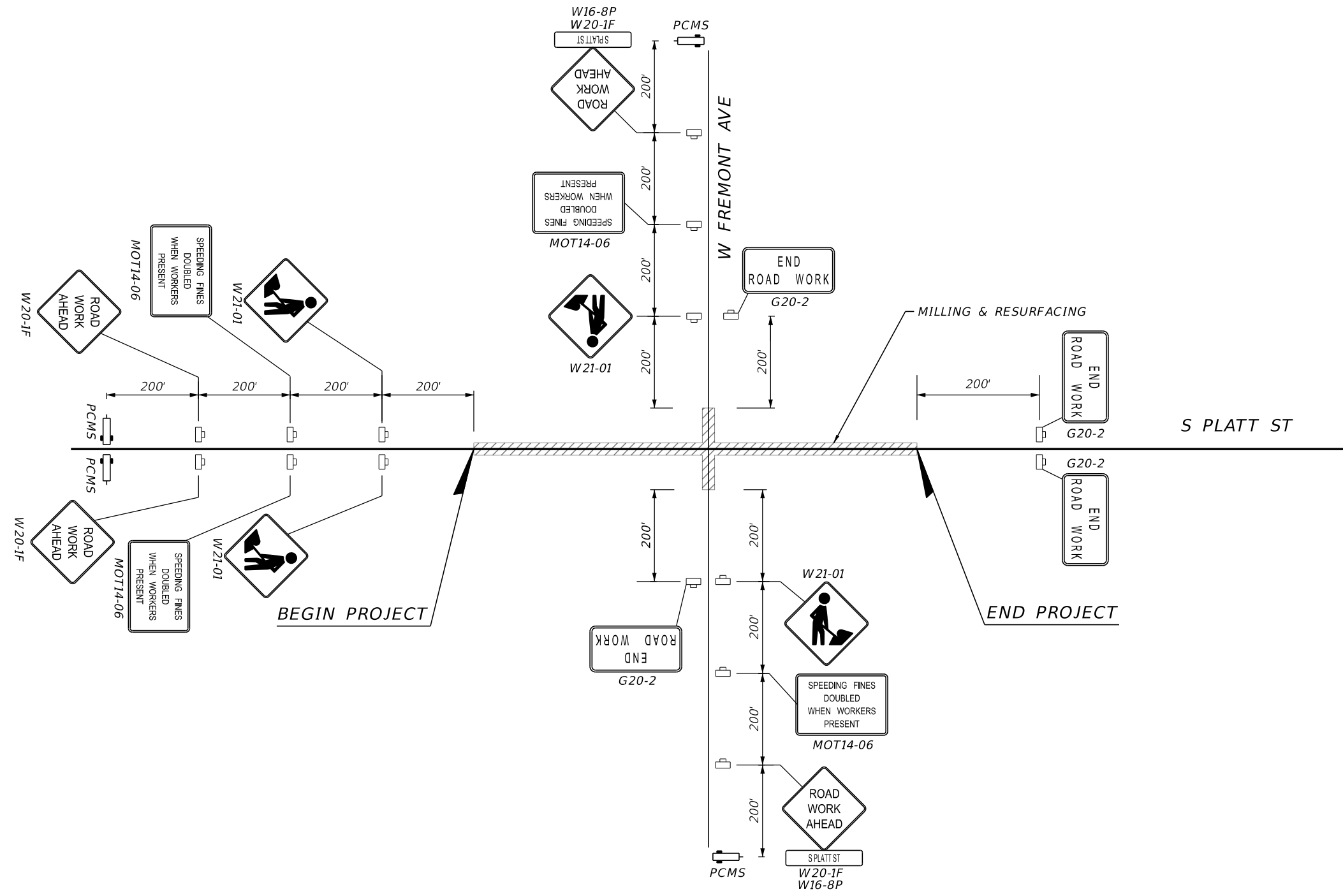
THE STANDARD WORK SITE OPERATION HOURS WITHIN CITY OF TAMPA WILL BE AS FOLLOWS:  
 9:00AM TO 4:00PM OR 9:00PM TO 6:00AM- HIGH VOLUME ROADWAYS (COLLECTOR AND ARTERIAL ROADWAYS) CONGESTED AREAS, AND ANY SIMILAR LOCATIONS.

MONDAY THROUGH FRIDAY, EXCLUDING CITY OBSERVED HOLIDAYS AND WEEKENDS OUTLINED BY THE CITY OF TAMPA. NO WORK WILL PROCEED OUTSIDE THESE HOURS WITHOUT 72 HOURS PRIOR NOTICE (MINIMUM) AND WRITTEN AUTHORIZATION BY THE CITY'S PROJECT MANAGER. HOWEVER, THE CITY RESERVES THE RIGHT TO ESTABLISH WORK HOURS BASED ON TRAFFIC VOLUMES, CONGESTION, OR OTHER SITUATIONS THAT WILL INTERFERE WITH THE NORMAL FLOW OF TRAFFIC.

8. AT THE DISCRETION OF THE ENGINEER, OPEN ANY TEMPORARY LANE CLOSURE CAUSING EXTENDED TRAFFIC CONGESTION (5 MINUTE DELAY) UNTIL TRAFFIC HAS RETURNED TO AN ACCEPTABLE LEVEL AS DETERMINED BY THE ENGINEER.
9. RIGHT OF WAY AND TEMPORARY TRAFFIC CONTROL PERMIT MUST BE OBTAINED FROM THE CITY OF TAMPA FOR THIS PROJECT PRIOR TO STARTING CONSTRUCTION.
10. FURNISH ALL NECESSARY TRAFFIC CONTROL DEVICES, SIGNS AND FLAGMEN, TO ENSURE THE SAFETY OF THE TRAVELING PUBLIC AND TO ALL WORKING PERSONNEL. SUBMIT A TTC PLAN INDICATING ALL FACETS OF TRAFFIC CONTROL FOR THE PROJECT AREA. THE TTC PLAN MUST BE APPROVED IN WRITING BY THE CITY OF TAMPA PRIOR TO COMMENCING ANY WORK. ALL TRAFFIC CONTROL WILL BE IN ACCORDANCE WITH THE FDOT DESIGN STANDARD PLANS AND FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 102, MOST CURRENT EDITIONS. TTC AND ASSOCIATED DEVICES WILL BE CHECKED DAILY AND PERIODICALLY THROUGHOUT THE PROJECT FOR COMPLIANCE; AND WHERE ADJUSTMENTS OR CORRECTIONS ARE NEEDED, PROMPT REVISIONS WILL BE MADE.
11. WORK SHALL BE STAGED IN A MANNER THAT WILL ALLOW FOR THE MILLING AND RESURFACING TO BE COMPLETED AND OPEN TO TRAFFIC BEFORE THE END OF EACH WORK PERIOD.
12. WHENEVER THERE IS A DIFFERENCE IN ELEVATION OF MORE THAN 1.5" BETWEEN ADJACENT TRAVEL LANES, REFER TO THE MILLING & RESURFACING LANE DROP-OFF TREATMENT DETAIL IN FDOT INDEX 102-600.
13. SIDEWALK AND CURB RAMP WORK AT SIGNALIZED INTERSECTIONS SHALL BE CONSTRUCTED SUCH THAT ONLY ONE CORNER OF THE INTERSECTION IS CLOSED AT A TIME.

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REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						HILLSBOROUGH	443711-1-58-01		



ADVANCE WARNING SIGN DIAGRAM

REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
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TRAFFIC CONTROL PHASING PLAN:

PHASE I (ADVANCE NOTIFICATION) (FDOT STANDARD PLANS INDEX 102-600, 102-602)

1. PLACE PCMS AS INDICATED IN TTC GENERAL NOTE 2.

PHASE II (MILLING: W PLATT ST AND S FREMONT AVE)  
(FDOT STANDARD PLANS INDEX 102-600, 102-601, 102-602, 102-613 & 102-661)

1. INSTALL ADVANCE SIGNS AND DEVICES PER PLANS.
2. PLACE TEMPORARY EROSION CONTROL DEVICES.
3. UNDER LANE CLOSURES AND MOVING OPERATIONS, MILL EXISTING PAVEMENT ON W PLATT ST AND S FREMONT AVE.

PHASE III (NORTH SIDE AND SOUTHWEST QUADRANT: CURB, SIDEWALK, SIGNAL, TRAFFIC SEPARATOR, AND RECONSTRUCTION)  
(FDOT STANDARD PLANS INDEX 102-600, 102-601, 102-602, 102-613, 102-615, 102-660 & 102-661)

PHASE III STAGE 1:

1. PLACE TEMPORARY PAVEMENT MARKINGS AND CHANNELIZING DEVICES AS NECESSARY TO SHIFT LANES ON W PLATT ST.
2. CLOSE THE NORTH SIDE OF S FREMONT AVE PER DETAIL.
3. CLEAR AND GRUB S FREMONT AVE AND THE NORTH SIDE OF W PLATT ST.
4. UNDER LANE CLOSURES AND PEDESTRIAN DETOURS, CONSTRUCT UTILITY ADJUSTMENTS, CURB, SIDEWALK, SIGNAL AND ROADWAY RECONSTRUCTION ON THE NORTH SIDE.
5. OPEN THE NORTH SIDE OF S FREMONT AVE TO TRAFFIC.

PHASE III STAGE 2:

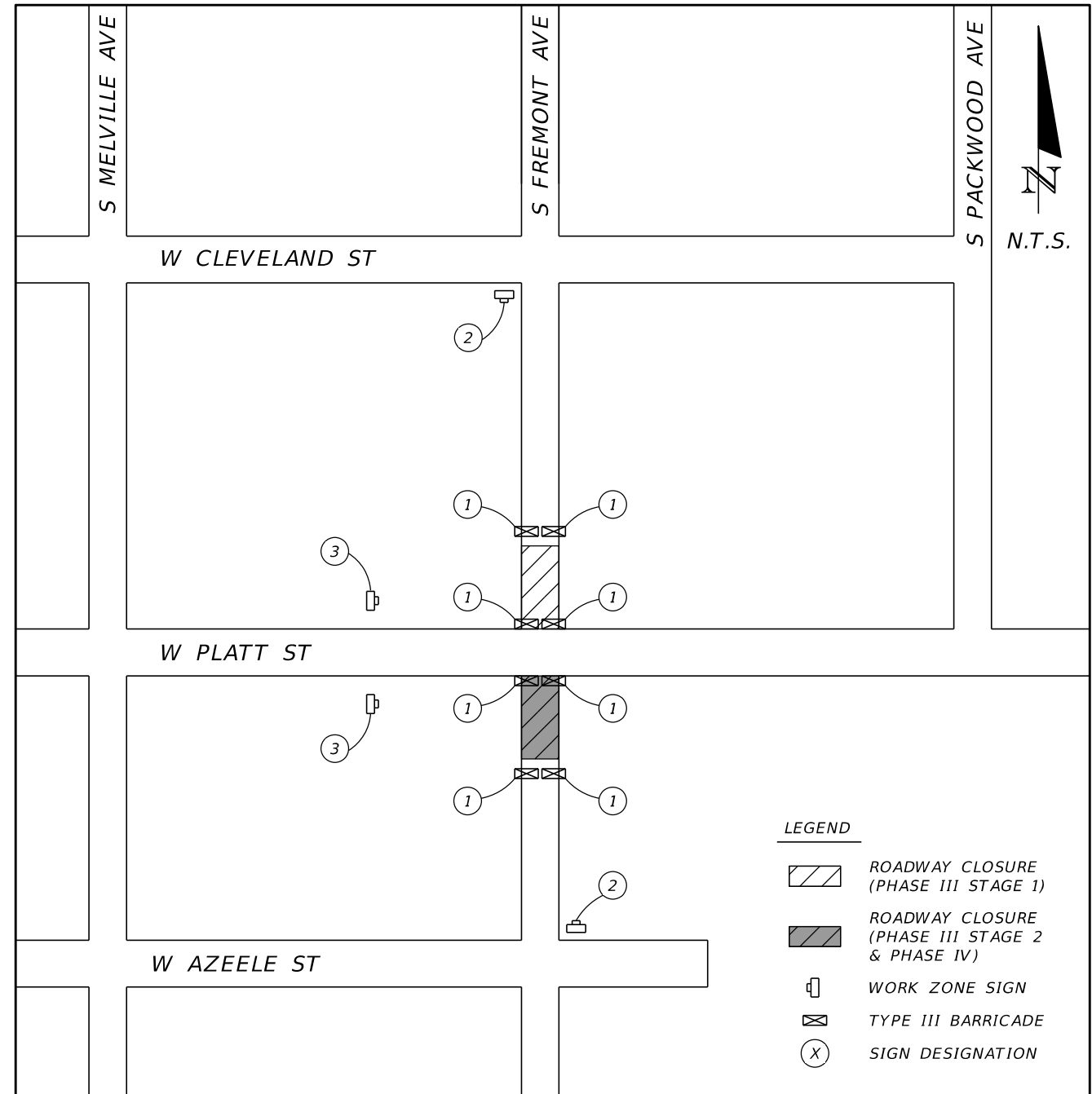
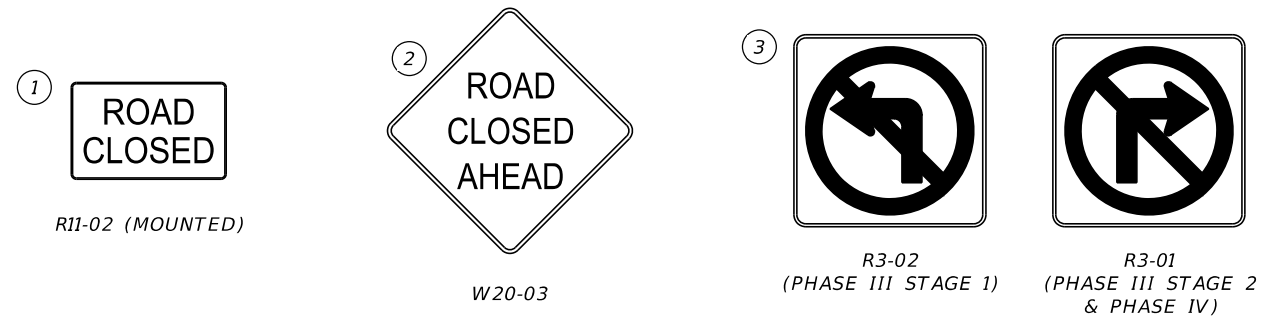
1. REMOVE/INSTALL WORK ZONE SIGNS AND DEVICES.
2. PLACE TEMPORARY PAVEMENT MARKINGS AND CHANNELIZING DEVICES AS NECESSARY TO SHIFT LANES ON W PLATT ST.
3. CLOSE THE SOUTH SIDE OF S FREMONT AVE PER DETAIL.
4. CLEAR AND GRUB THE SOUTHWEST QUADRANT OF W PLATT ST.
5. UNDER LANE CLOSURES AND PEDESTRIAN DETOURS, CONSTRUCT UTILITY ADJUSTMENTS, CURB, SIDEWALK, AND TRAFFIC SEPARATOR ON THE SOUTHWEST QUADRANT.

PHASE IV (SOUTHEAST QUADRANT: CURB, SIDEWALK, SIGNAL, AND TRAFFIC SEPARATOR)  
(FDOT STANDARD PLANS INDEX 102-600, 102-601, 102-602, 102-613, 102-615, 102-660 & 102-661)

1. REMOVE/INSTALL WORK ZONE SIGNS AND DEVICES.
2. PLACE TEMPORARY PAVEMENT MARKINGS AND CHANNELIZING DEVICES AS NECESSARY TO SHIFT LANES ON W PLATT ST.
3. MAINTAIN ROADWAY CLOSURE OF SOUTH SIDE OF S FREMONT AVE.
4. CLEAR AND GRUB THE SOUTHEAST QUADRANT OF W PLATT ST.
5. UNDER LANE CLOSURES, PEDESTRIAN DETOURS AS NECESSARY, CONSTRUCT UTILITY ADJUSTMENTS, CURB, SIDEWALK, AND SIGNAL ON THE SOUTHEAST QUADRANT.
6. UNDER LANE CLOSURES AND BICYCLE TRAFFIC DIVERSION AS NECESSARY, CONSTRUCT TRAFFIC SEPARATOR, AND RAISED CROSSWALK SURFACE.
7. OPEN THE SOUTH SIDE OF S FREMONT AVE TO TRAFFIC.

PHASE V (RESURFACING)  
(FDOT STANDARD PLANS INDEX 102-600, 102-613, 102-615, & 102-660)

1. UNDER LANE CLOSURES AND MOVING OPERATIONS, RESURFACE S PLATT ST AND W FREMONT AVE.
2. RESTRIPE WITH PAINT PER FINAL STRIPING PLAN ON S PLATT ST AND W FREMONT AVE.
3. AFTER 14 DAY CURING PERIOD, UNDER LANE CLOSURES, INSTALL FINAL SIGNING AND PAVEMENT MARKINGS.
4. RESTORE DISTURBED AREAS, AND REMOVE TTCP SIGNAGE AND TEMPORARY EROSION CONTROL DEVICES.

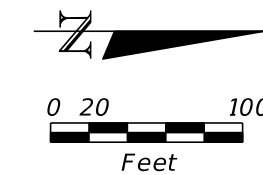
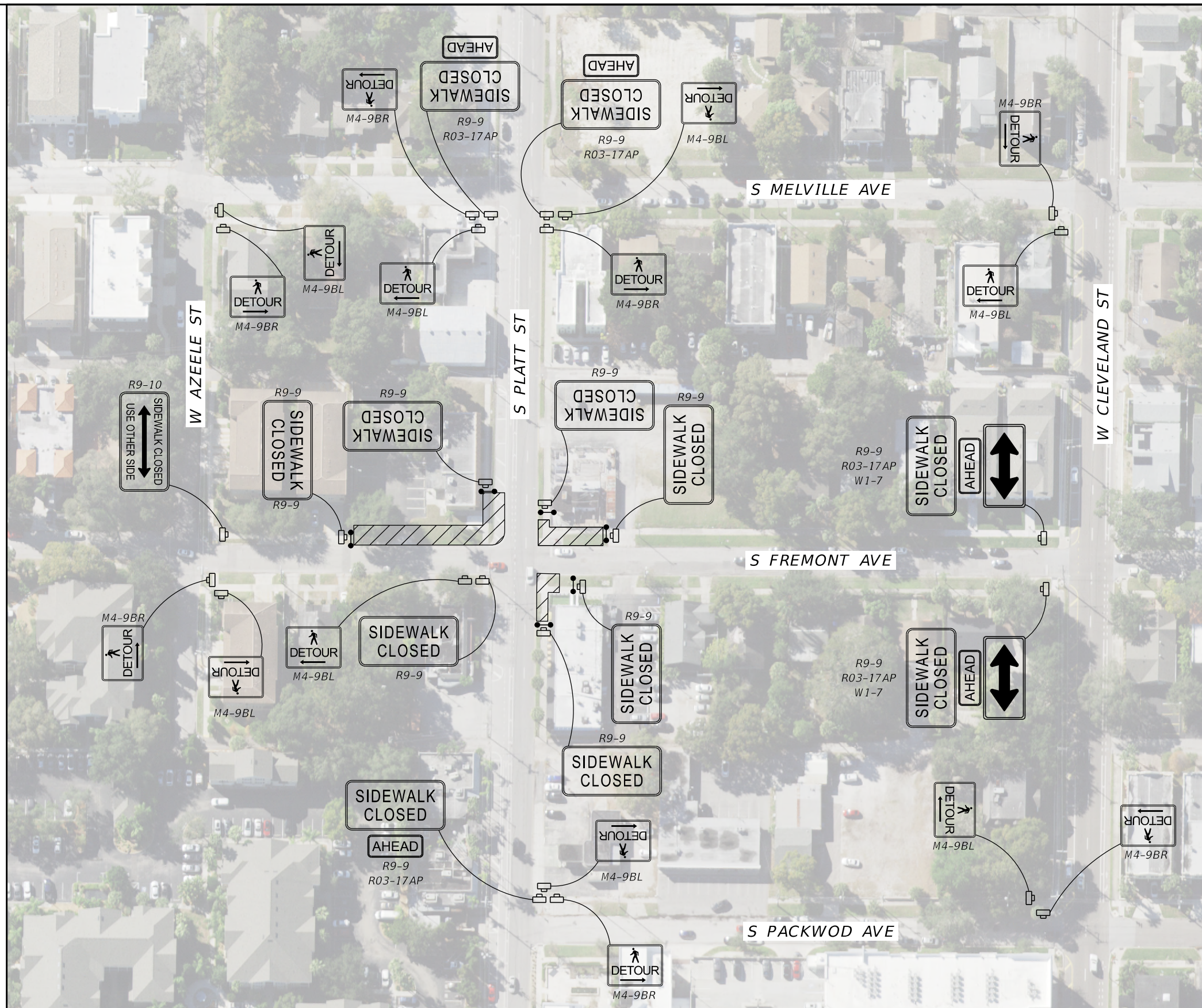


S FREMONT- ROADWAY CLOSURE DETAIL

REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						HILLSBOROUGH	443711-1-58-01		

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**PHASE III - PEDESTRIAN DETOUR PLAN**

- LEGEND**
- WORK ZONE
  - WORK ZONE SIGN
  - PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE (LCD)

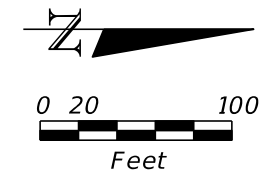
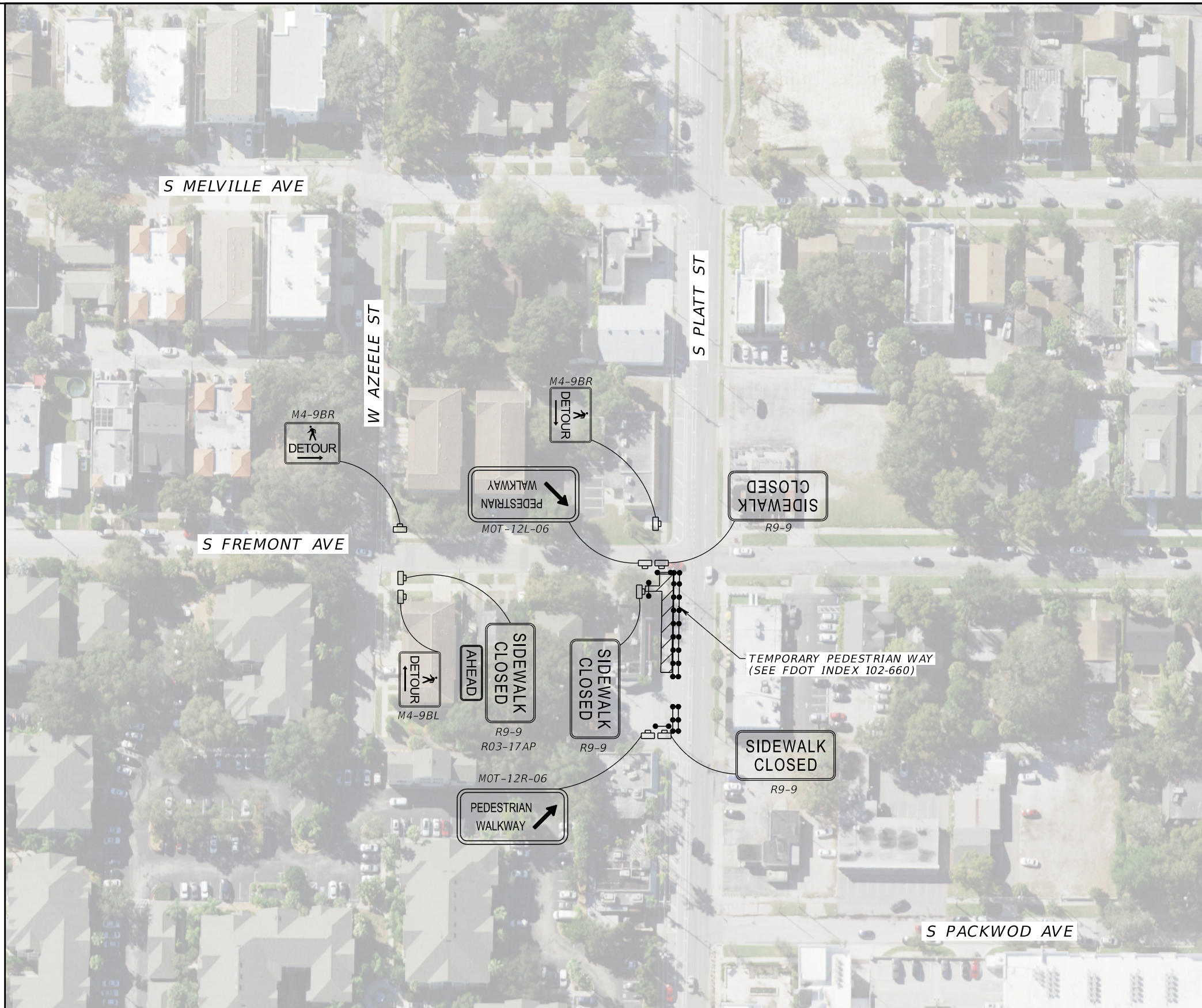
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDREW GREGG, P.E.  
 P.E. LICENSE NUMBER 72443  
 ELEMENT ENGINEERING GROUP  
 1713 E. 9th AVENUE  
 TAMPA, FL 33605




CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	HILLSBOROUGH	443711-1-58-01

**TEMPORARY TRAFFIC CONTROL PLAN**

SHEET NO.  
17

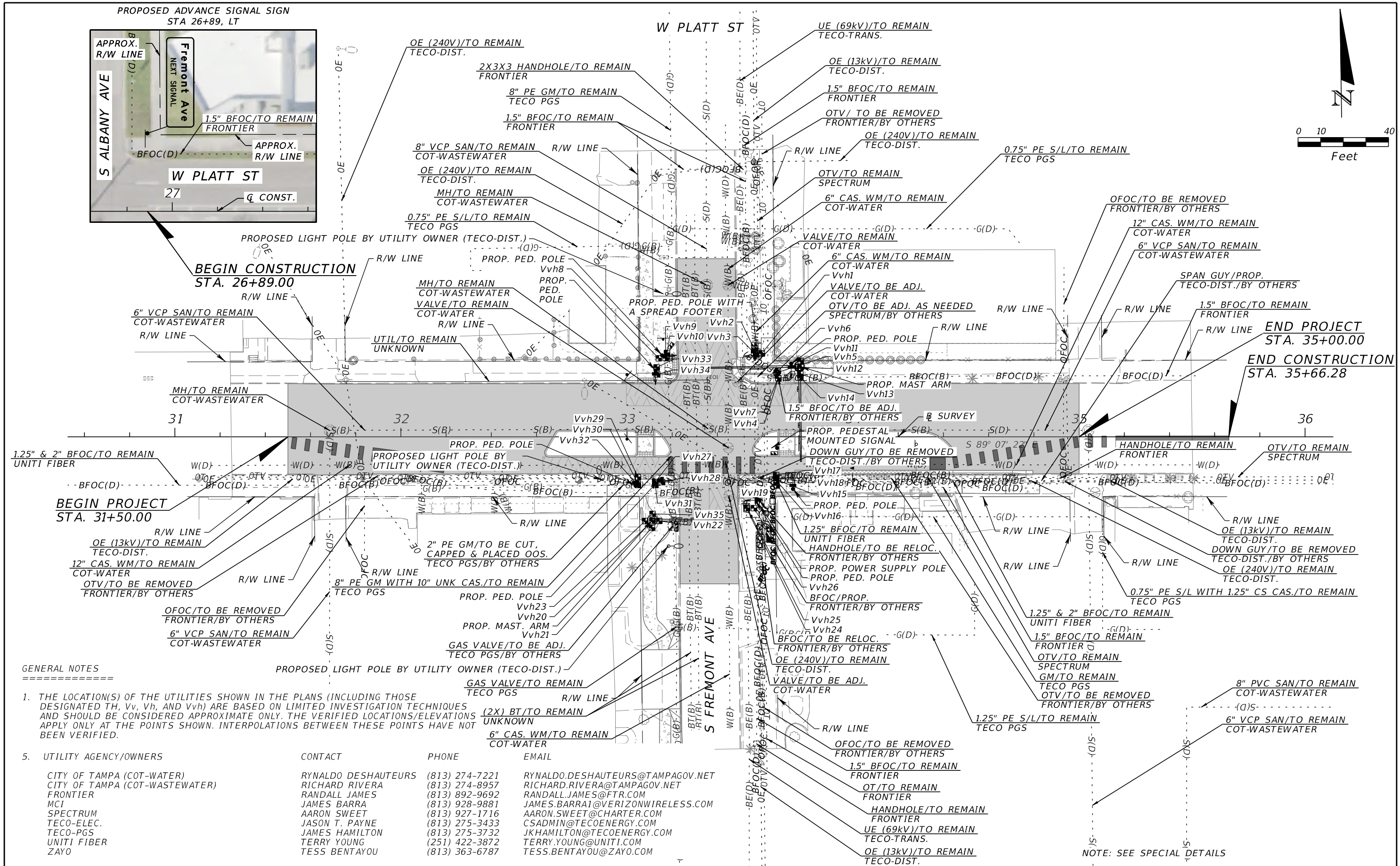
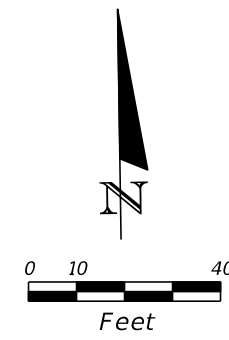
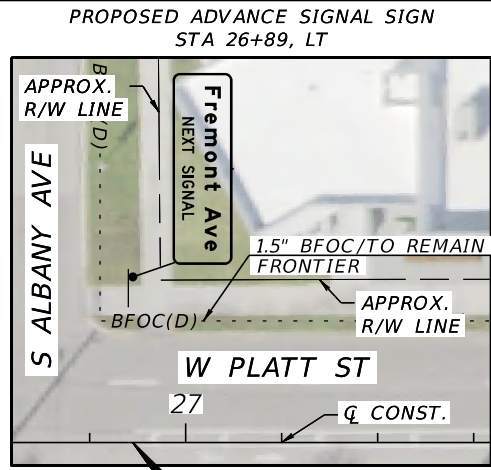


**LEGEND**

-  WORK ZONE
-  WORK ZONE SIGN
-  PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE (LCD)

**PHASE IV - PEDESTRIAN DETOUR PLAN**

REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		<b>TEMPORARY TRAFFIC CONTROL PLAN</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		FINANCIAL PROJECT ID
					HILLSBOROUGH	443711-1-58-01		



**GENERAL NOTES**

1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED TH, Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
5. UTILITY AGENCY/OWNERS

UTILITY AGENCY/OWNERS	CONTACT	PHONE	EMAIL
CITY OF TAMPA (COT-WATER)	RYNALDO DESHAUTEURS	(813) 274-7221	RYNALDO.DESHAUTEURS@TAMPAGOV.NET
CITY OF TAMPA (COT-WASTEWATER)	RICHARD RIVERA	(813) 274-8957	RICHARD.RIVERA@TAMPAGOV.NET
FRONTIER	RANDALL JAMES	(813) 892-9692	RANDALL.JAMES@FTR.COM
MCI	JAMES BARRA	(813) 928-9881	JAMES.BARRA1@VERIZONWIRELESS.COM
SPECTRUM	AARON SWEET	(813) 927-1716	AARON.SWEET@CHARTER.COM
TECO-ELEC.	JASON T. PAYNE	(813) 275-3433	CSADMIN@TECOENERGY.COM
TECO-PGS	JAMES HAMILTON	(813) 275-3732	JKHAMILTON@TECOENERGY.COM
UNITI FIBER	TERRY YOUNG	(251) 422-3872	TERRY.YOUNG@UNITI.COM
ZAYO	TESS BENTAYOU	(813) 363-6787	TESS.BENTAYOU@ZAYO.COM

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

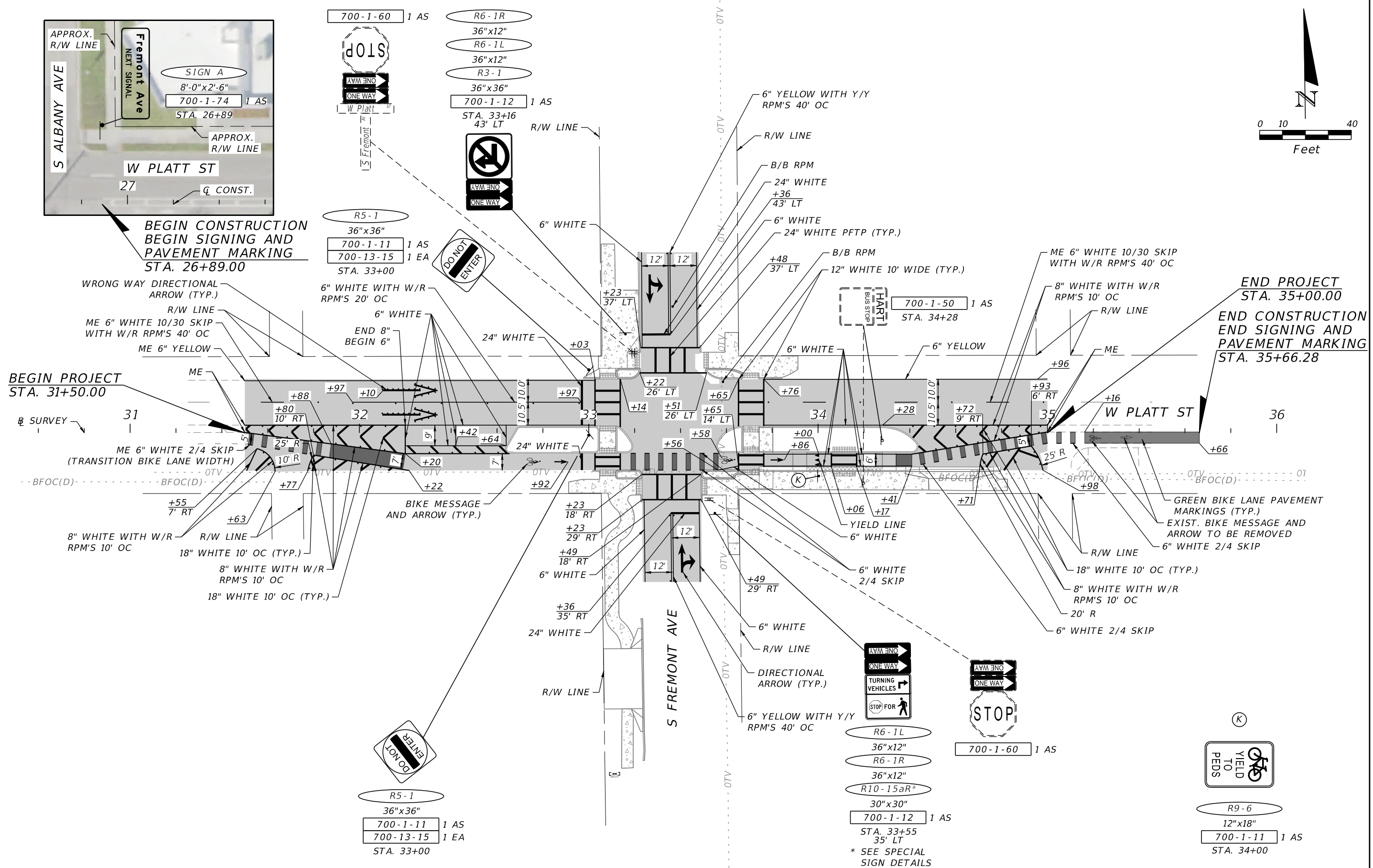
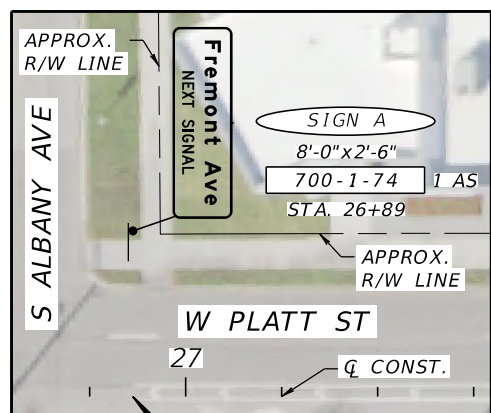
ANDREW GREGG, P.E.  
 P.E. LICENSE NUMBER 72443  
 ELEMENT ENGINEERING GROUP  
 1713 E. 9th AVENUE  
 TAMPA, FL 33605

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	HILLSBOROUGH	443711-1-58-01

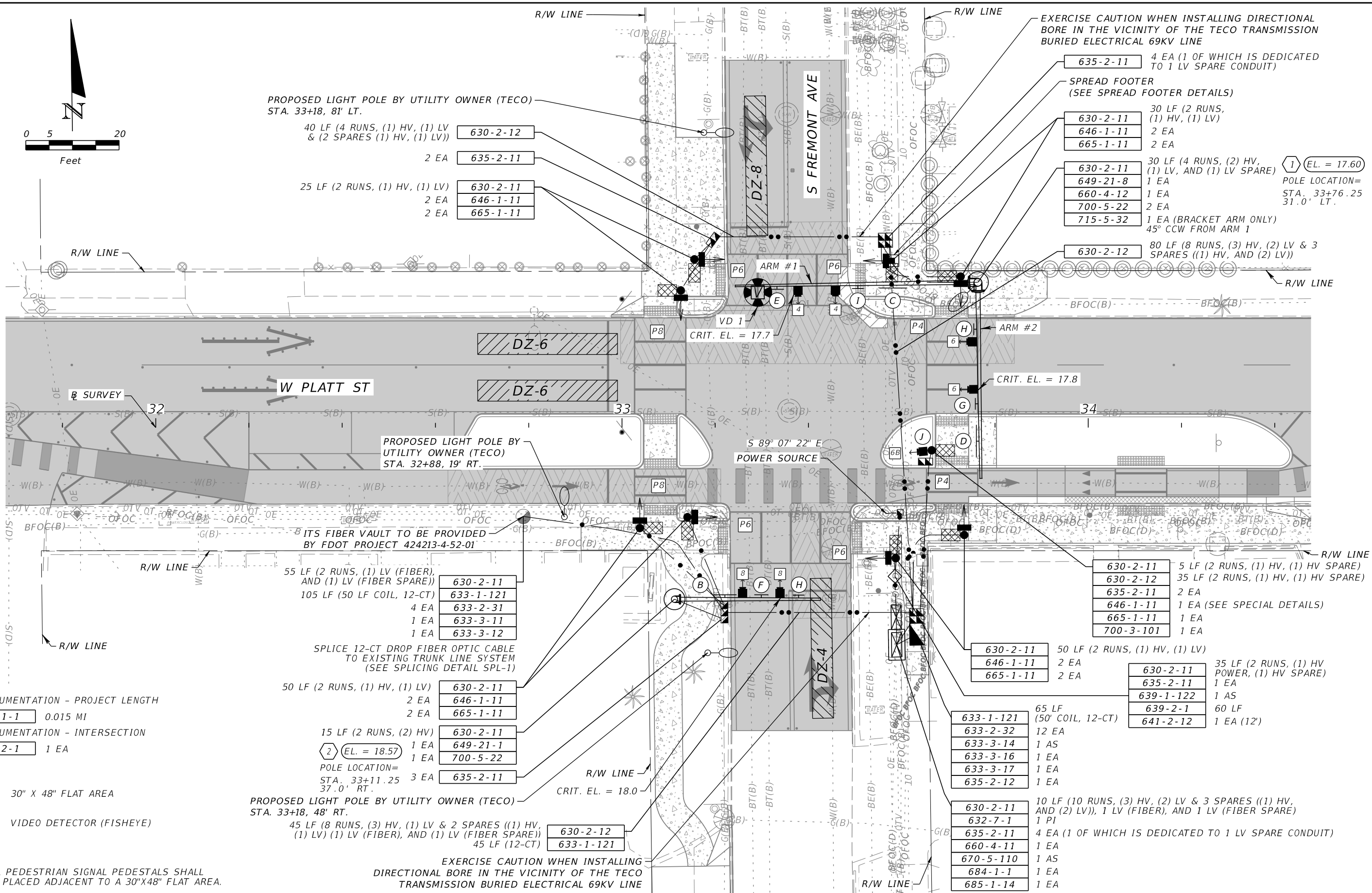
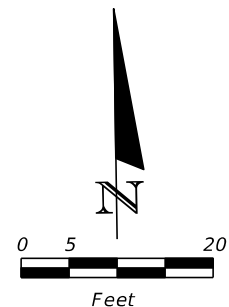
**UTILITY ADJUSTMENTS**

SHEET NO.  
**19**

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REVISIONS				VICKEN SERPEKIAN, P.E., P.T.O.E. P.E. LICENSE NUMBER 82646 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		<b>SIGNING AND PAVEMENT MARKING PLAN</b>	SHEET NO. 20
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		
					FINANCIAL PROJECT ID			
					HILLSBOROUGH	443711-1-58-01		



PROPOSED LIGHT POLE BY UTILITY OWNER (TECO)  
STA. 33+18, 81' LT.

- 40 LF (4 RUNS, (1) HV, (1) LV & (2) SPARES (1) HV, (1) LV)) 2 EA 630-2-12
- 2 EA 635-2-11
- 25 LF (2 RUNS, (1) HV, (1) LV) 2 EA 630-2-11
- 2 EA 646-1-11
- 2 EA 665-1-11

EXERCISE CAUTION WHEN INSTALLING DIRECTIONAL BORE IN THE VICINITY OF THE TECO TRANSMISSION BURIED ELECTRICAL 69KV LINE

- 635-2-11 4 EA (1 OF WHICH IS DEDICATED TO 1 LV SPARE CONDUIT)
- SPREAD FOOTER (SEE SPREAD FOOTER DETAILS)
- 630-2-11 30 LF (2 RUNS, (1) HV, (1) LV)
- 646-1-11 2 EA
- 665-1-11 2 EA
- 630-2-11 30 LF (4 RUNS, (2) HV, (1) LV, AND (1) LV SPARE) 1 EA
- 649-21-8 1 EA
- 660-4-12 2 EA
- 700-5-22 1 EA (BRACKET ARM ONLY)
- 715-5-32 45° CCW FROM ARM 1

1 EL. = 17.60  
POLE LOCATION = STA. 33+76.25 31.0' LT.

PROPOSED LIGHT POLE BY UTILITY OWNER (TECO)  
STA. 32+88, 19' RT.

- 55 LF (2 RUNS, (1) LV (FIBER), AND (1) LV (FIBER SPARE)) 630-2-11
- 105 LF (50 LF COIL, 12-CT) 633-1-121
- 4 EA 633-2-31
- 1 EA 633-3-11
- 1 EA 633-3-12

- 50 LF (2 RUNS, (1) HV, (1) LV) 2 EA 630-2-11
- 2 EA 646-1-11
- 2 EA 665-1-11

- 15 LF (2 RUNS, (2) HV) 630-2-11
- 1 EA 649-21-1
- 1 EA 700-5-22

PROPOSED LIGHT POLE BY UTILITY OWNER (TECO)  
STA. 33+18, 48' RT.

- 45 LF (8 RUNS, (3) HV, (1) LV & 2 SPARES ((1) HV, (1) LV) (1) LV (FIBER), AND (1) LV (FIBER SPARE)) 630-2-12
- 45 LF (12-CT) 633-1-121

- 630-2-11 5 LF (2 RUNS, (1) HV, (1) HV SPARE)
- 630-2-12 35 LF (2 RUNS, (1) HV, (1) HV SPARE)
- 635-2-11 2 EA
- 646-1-11 1 EA (SEE SPECIAL DETAILS)
- 665-1-11 1 EA
- 700-3-101 1 EA

- 630-2-11 50 LF (2 RUNS, (1) HV, (1) LV)
- 646-1-11 2 EA
- 665-1-11 2 EA
- 630-2-11 35 LF (2 RUNS, (1) HV POWER, (1) HV SPARE)
- 635-2-11 1 EA
- 639-1-122 1 AS
- 639-2-1 60 LF
- 641-2-12 1 EA (12')

- 633-1-121 65 LF (50' COIL, 12-CT)
- 633-2-32 12 EA
- 633-3-14 1 AS
- 633-3-16 1 EA
- 633-3-17 1 EA
- 635-2-12 1 EA

- 630-2-11 10 LF (10 RUNS, (3) HV, (2) LV & 3 SPARES ((1) HV, AND (2) LV)), 1 LV (FIBER), AND 1 LV (FIBER SPARE)
- 632-7-1 1 PI
- 635-2-11 4 EA (1 OF WHICH IS DEDICATED TO 1 LV SPARE CONDUIT)
- 660-4-11 1 EA
- 670-5-110 1 AS
- 684-1-1 1 EA
- 685-1-14 1 EA

ITS DOCUMENTATION - PROJECT LENGTH  
611-1-1 0.015 MI

ITS DOCUMENTATION - INTERSECTION  
611-2-1 1 EA

LEGEND:  
30" X 48" FLAT AREA  
VIDEO DETECTOR (FISHEYE)

NOTES:  
- ALL PEDESTRIAN SIGNAL PEDESTALS SHALL BE PLACED ADJACENT TO A 30"X48" FLAT AREA.

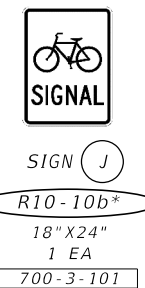
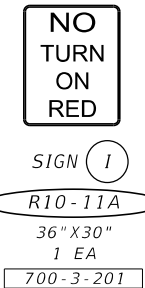
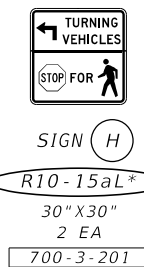
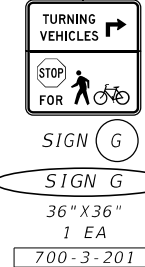
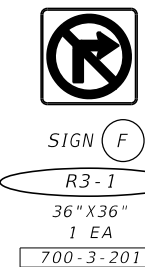
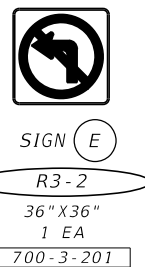
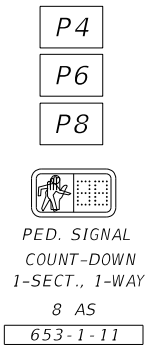
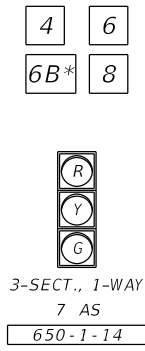
EXERCISE CAUTION WHEN INSTALLING DIRECTIONAL BORE IN THE VICINITY OF THE TECO TRANSMISSION BURIED ELECTRICAL 69KV LINE

REVISIONS				VICKEN SERPEKIAN, P.E., P.T.O.E. P.E. LICENSE NUMBER 82646 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		SHEET NO. 21
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	
					HILLSBOROUGH	443711-1-58-01	

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

**CONTROLLER OPERATION NOTES:**

1. MAJOR STREET IS W PLATT ST: MOVEMENT 6, AND 6B. MINOR STREET IS S FREMONT AVE: MOVEMENTS 4 AND 8.
2. THE POSTED SPEED LIMIT ALONG W PLATT ST IS 35 MPH AND 25 MPH ALONG S FREMONT AVE.
3. TOP OF CONTROLLER CABINET FOUNDATION TO MATCH OR BE PLACED HIGHER THAN THE ELEVATION OF THE NEAREST CROWN OF ROAD.
4. SIGNAL SHALL OPERATE WITH SPECIAL SIGNAL OPERATING PLAN AS SHOWN.
5. EACH PHASE/MOVEMENT SHALL BE WIRED FROM THE SIGNAL DISPLAY TO THE CONTROLLER AS A SEPARATE PHASE/MOVEMENT.
6. DURING FLASH MODE OPERATION, MOVEMENT 6 SHALL FLASH YELLOW AND MOVEMENTS 4 AND 8 SHALL FLASH RED.
7. DETECTION ZONES FOR MOVEMENTS 4, 6, AND 8 ARE 6' X 50' PLACED 2' AHEAD OF PROPOSED STOP BAR LOCATION.
8. HIGH VOLTAGE (HV) RUNS INCLUDE: POWER, SIGNALS, PEDESTRIAN SIGNALS, INTERNALLY ILLUMINATED SIGNS, AND SPARE CONDUITS.  
LOW VOLTAGE (LV) RUNS INCLUDE: PEDESTRIAN DETECTORS, SIGNAL COMMUNICATION, VIDEO VEHICLE DETECTION, AND SPARE CONDUITS.
9. A LEADING PEDESTRIAN INTERVAL (LPI) OF 3.0 SECONDS SHALL BE IMPLEMENTED FOR BICYCLE MOVEMENT (6B), AND ALL PEDESTRIAN MOVEMENTS UPON DETECTION ONLY, PRIOR TO BEGINNING OF THE ASSOCIATED MOVEMENT'S GREEN TIME.



\* SEE SPECIAL SIGN DETAILS

**SIGNAL HEAD DETAILS**  
\* INCLUDES LOUVERED VISORS FOR BIKE LANE VISIBILITY ONLY

**OVERHEAD SIGN DETAILS**



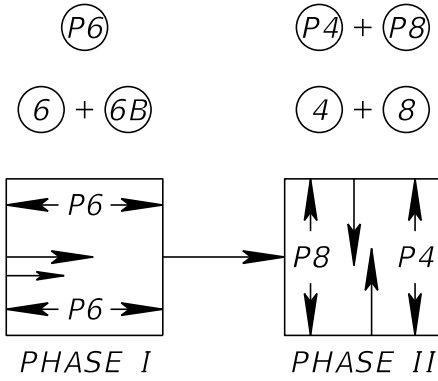
**INTERNALLY ILLUMINATED SIGNS**  
SEE GUIDE SIGN WORKSHEET FOR DETAILS

CONTROLLER TIMINGS								
TIMING FUNCTION								
MOVEMENT NUMBER	1	2	3	4	5	6	7	8
DIRECTION				NB		EB		SB
MINIMUM GREEN				5		10		5
EXTENSION				3.0		3.0		3.0
MAXIMUM GREEN 1				15		45		15
MAXIMUM GREEN 2				-		-		-
YELLOW CLEARANCE				3.4		4.0		3.4
ALL RED				2.0		2.0		2.0
PEDESTRIAN WALK				7		7		7
PED. CLEARANCE				9		5		9
RECALL				-		MIN		-

VIDEO DETECTION (FISHEYE)	
VIDEO DETECTOR	DETECTION ZONE
VD 1	DZ - 4
	DZ - 6
	DZ - 8

TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY THE ENGINEER.

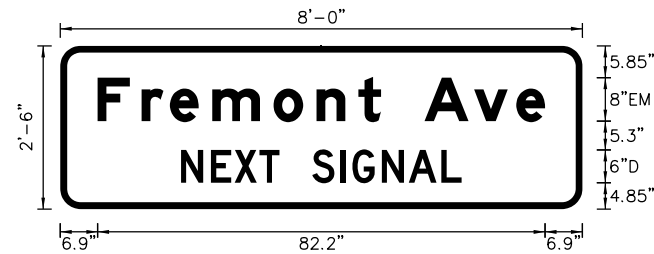
**SPECIAL SIGNAL OPERATING PLAN**



REVISIONS				VICKEN SERPEKIAN, P.E., P.T.O.E. P.E. LICENSE NUMBER 82646 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO.  22
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						HILLSBOROUGH	443711-1-58-01	

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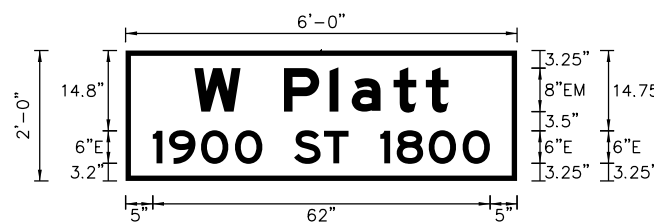
SIGN NAME	SIGN A	QTY	SIGN NUMBER	STATION(S)	
PANEL	BORDER			none	
WIDTH	8'-0"	WIDTH	1.25"		
HEIGHT	2'-6"	RADII	3.75"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY		F	r	e	m	o	n	t		A	v	e	L							
SPACE	6.9	8.1	5.2	7.8	11.3	7.9	7.7	4.2	8	9.1	7.8	5.3	6.9	82.2						
COPY		N	E	X	T		S	I	G	N	A	L	L							
SPACE	22.2	5.5	4.3	4.6	3.7	6	5.1	2.3	5.4	5	6	3.7	22.2	51.6						
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

SIGN NAME	SIGN C	QTY	SIGN NUMBER	STATION(S)	
PANEL	BORDER			none	
WIDTH	6'-0"	WIDTH	1"		
HEIGHT	2'-0"	RADII	0"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY		W	P	I	a	t	t	L												
SPACE	12.6	8.5	8	8.4	4.1	7.7	5.9	4.2	12.6	46.7										
COPY		1	9	0	0		L													
SPACE	5	3	5.9	6.2	5	46.9	20.2													
COPY		S	T		L															
SPACE	31	5.5	4.5	31	10															
COPY		1	8	0	0		L													
SPACE	46.9	3	5.9	6.2	5	5	20.2													
COPY																				
SPACE																				
COPY																				
SPACE																				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

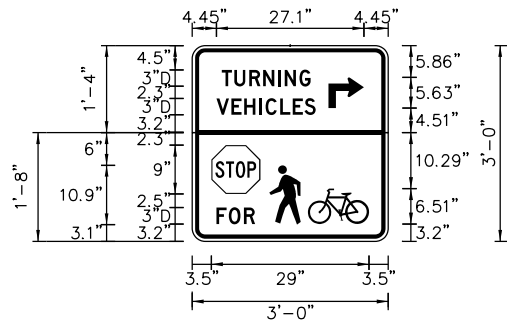
VICKEN SERPEKIAN, P.E., P.T.O.E.  
P.E. LICENSE NUMBER 82646  
ELEMENT ENGINEERING GROUP  
1713 E. 9th AVENUE  
TAMPA, FL 33605

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	HILLSBOROUGH	443711-1-58-01

**GUIDE SIGN WORKSHEET**

SHEET NO.  
23

SIGN NAME	SIGN G	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				none
WIDTH	3'-0"	WIDTH	0.75"		
HEIGHT	1'-4"	RADII	1.88"		
LEGEND	Black	COLOR	Black		
COLOR	FL.Yellow	Green			
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR90R1	0	25	4.5	5.6	6.5
STOP Shield	0	3.5	8.7	9	9
Pedestrian	0	14.2	3.1	5.8	10.9
Bicycle	0	21.2	3.2	11.3	6.5
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE	AVERAGE LENGTH	



BORDER  
R=1.88"  
TH=0.75"  
IN=0.5"

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

SIGN NAME	SIGN G	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE	AVERAGE LENGTH	

THIS SPACE IS  
INTENTIONALLY  
LEFT BLANK

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY SPACE	T	U	R	N	I	N	G	L	
	5.4	7.7	10.5	13	15.8	17	19.7	16.3	
COPY SPACE	V	E	H	I	C	L	E	S	L
	4.5	7.2	9.6	12.3	13.5	16.2	18.5	20.6	18.2
COPY SPACE	F	O	R	L					
	4.5	6.7	9.5	7.1					
COPY SPACE									
COPY SPACE									
COPY SPACE									
COPY SPACE									

COPY SPACE								
COPY SPACE								
COPY SPACE								
COPY SPACE								
COPY SPACE								
COPY SPACE								
COPY SPACE								
COPY SPACE								

SIGN NAME	SIGN G	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE	AVERAGE LENGTH	

THIS SPACE IS  
INTENTIONALLY  
LEFT BLANK

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

SIGN NAME	SIGN G	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE	AVERAGE LENGTH	

THIS SPACE IS  
INTENTIONALLY  
LEFT BLANK

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY SPACE							
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

VICKEN SERPEKIAN, P.E., P.T.O.E.  
P.E. LICENSE NUMBER 82646  
ELEMENT ENGINEERING GROUP  
1713 E. 9th AVENUE  
TAMPA, FL 33605

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	HILLSBOROUGH	443711-1-58-01

GUIDE SIGN WORKSHEET

SHEET NO.

24





R10-15aR

TURNING VEHICLES STOP FOR PEDESTRIANS



R10-15aL

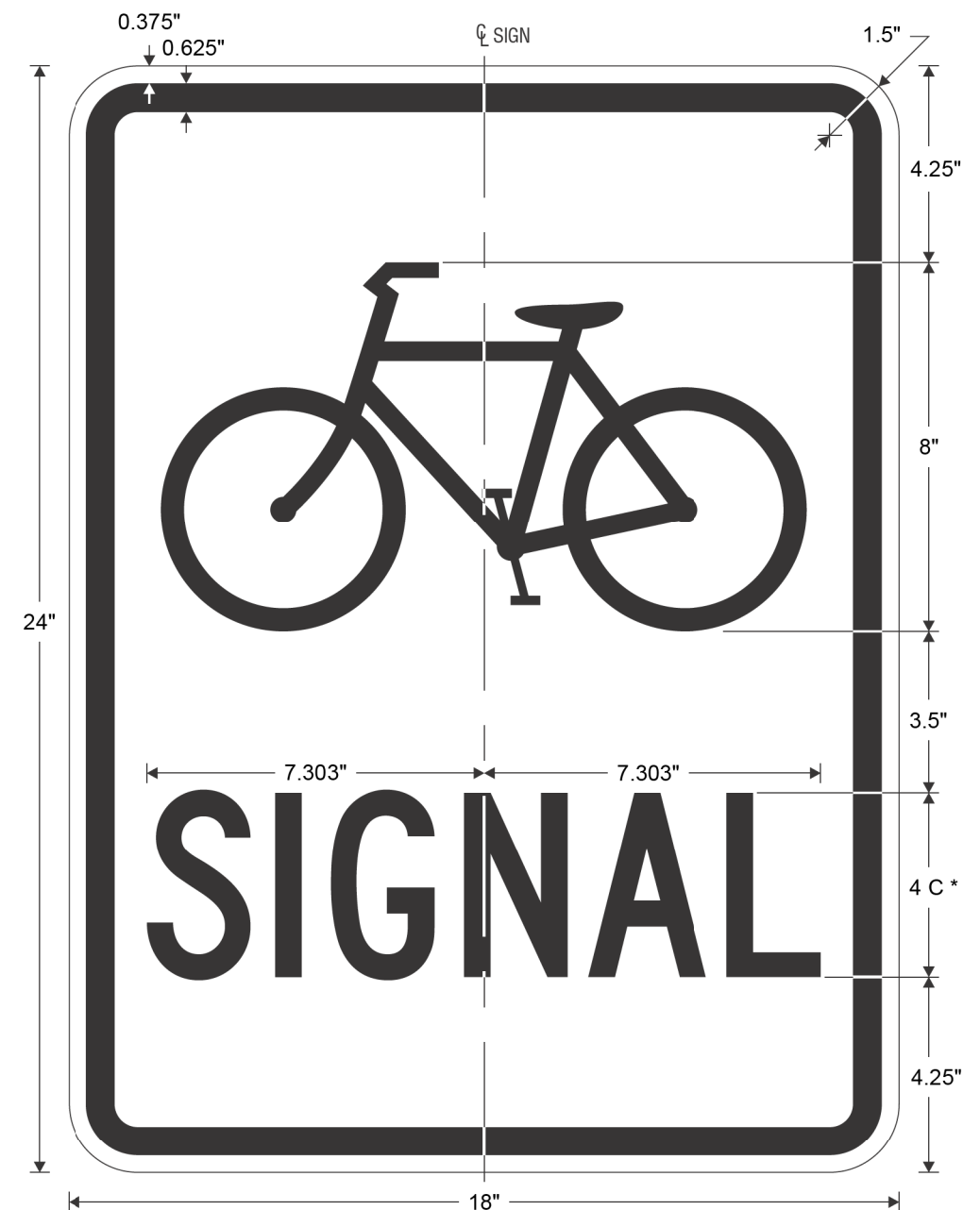
\* Reduce character spacing 20%.

UPPER SECTION

COLORS: LEGEND, BORDER — BLACK  
 BACKGROUND — FLUORESCENT YELLOW-GREEN (RETROREFLECTIVE)

LOWER SECTION

COLORS: LEGEND, BORDER — BLACK  
 STOP SYMBOL — RED (RETROREFLECTIVE)  
 BACKGROUND — WHITE (RETROREFLECTIVE)



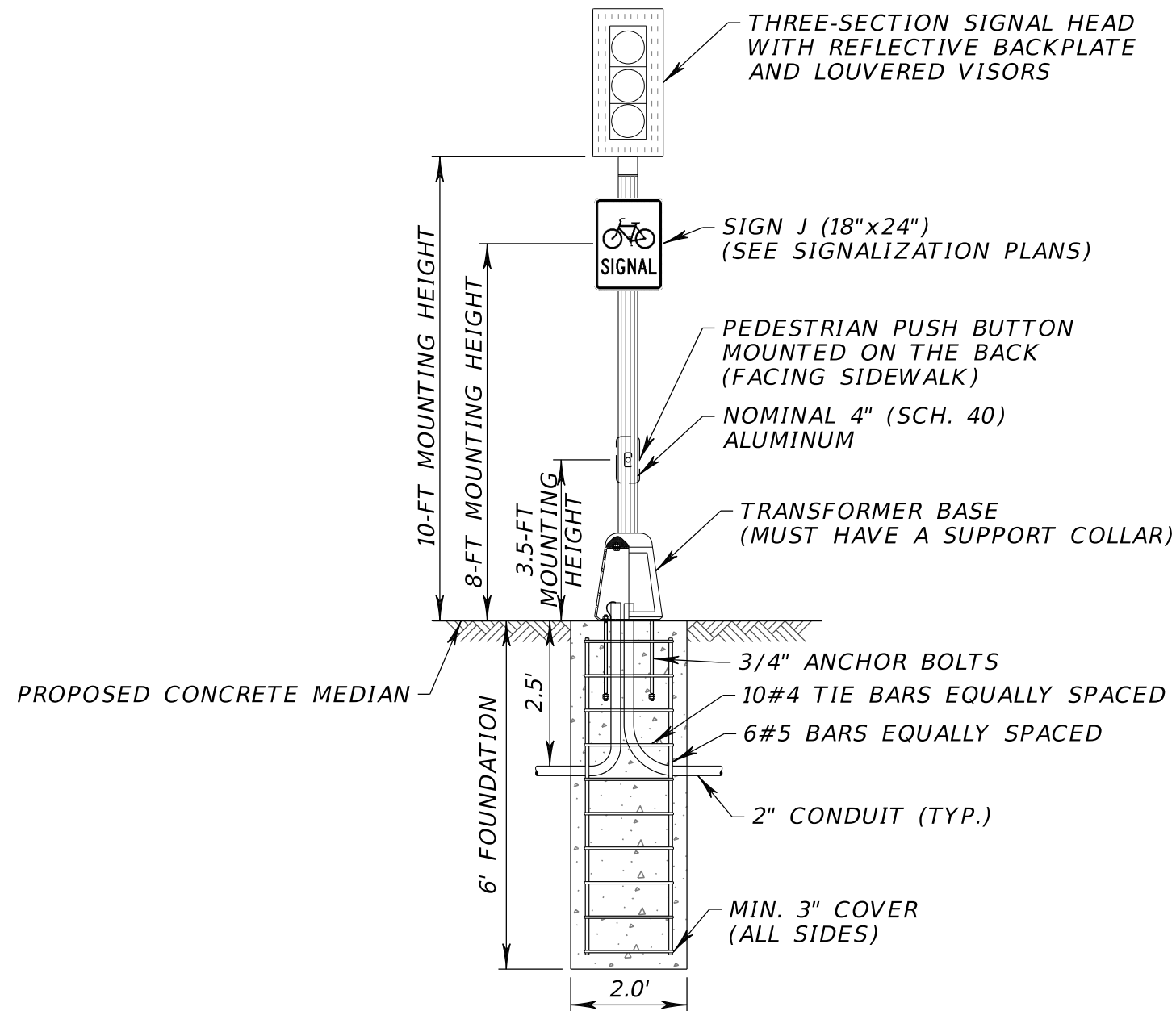
R10-10b

Bicycle SIGNAL

\* Reduce character spacing 20%.

COLORS: LEGEND, BORDER — BLACK  
 BACKGROUND — WHITE (RETROREFLECTIVE)

REVISIONS				VICKEN SERPEKIAN, P.E., P.T.O.E. P.E. LICENSE NUMBER 82646 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		SHEET NO.  25
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	
					HILLSBOROUGH	443711-1-58-01	SPECIAL SIGN DETAILS



**ALUMINUM PEDESTAL  
MOUNTED BICYCLE  
SIGNAL HEAD**  
NTS

REVISIONS				VICKEN SERPEKIAN, P.E., P.T.O.E. P.E. LICENSE NUMBER 82646 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO.  26
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						HILLSBOROUGH	443711-1-58-01	

# GENERAL NOTES - SPREAD FOOTER

## DESIGN METHODS:

LOAD RESISTANCE FACTOR DESIGN.

## CONCRETE:

CLASS	MINIMUM 28-DAY COMPRESSIVE STRENGTH	LOCATION
IV	f'c = 5500 PSI	PEDESTRIAN SIGNAL SPREAD FOOTING

## REINFORCING STEEL:

REINFORCEMENT CAN BE EITHER DEFORMED BAR REINFORCEMENT OR WELDED WIRE FABRIC. BAR REINFORCEMENT SHALL BE ASTM A615, GRADE 60. DEFORMED WELDED WIRE FABRIC SHALL BE ASTM 1064, GRADE 75 (PER SDG 1.4.1.B).

## CONCRETE COVER:

CONCRETE COVER SHOWN IN THE PLANS DOES NOT INCLUDE REINFORCEMENT PLACEMENT AND FABRICATION TOLERANCE UNLESS SHOWN AS "MINIMUM COVER". SEE FDOT SPECIFICATION 415 FOR ALLOWABLE REINFORCEMENT PLACEMENT TOLERANCES.

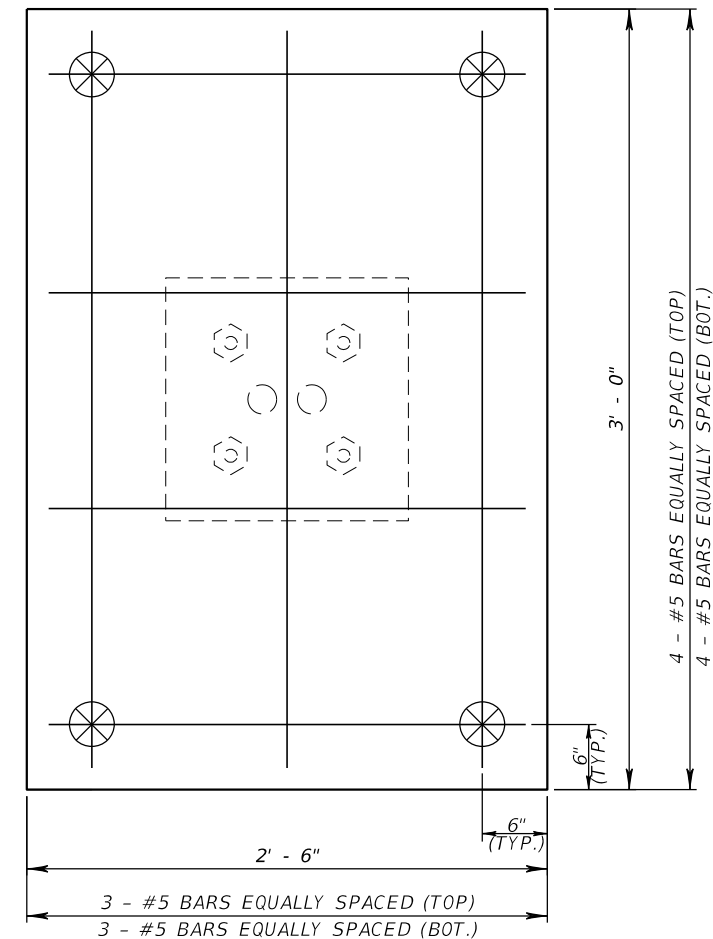
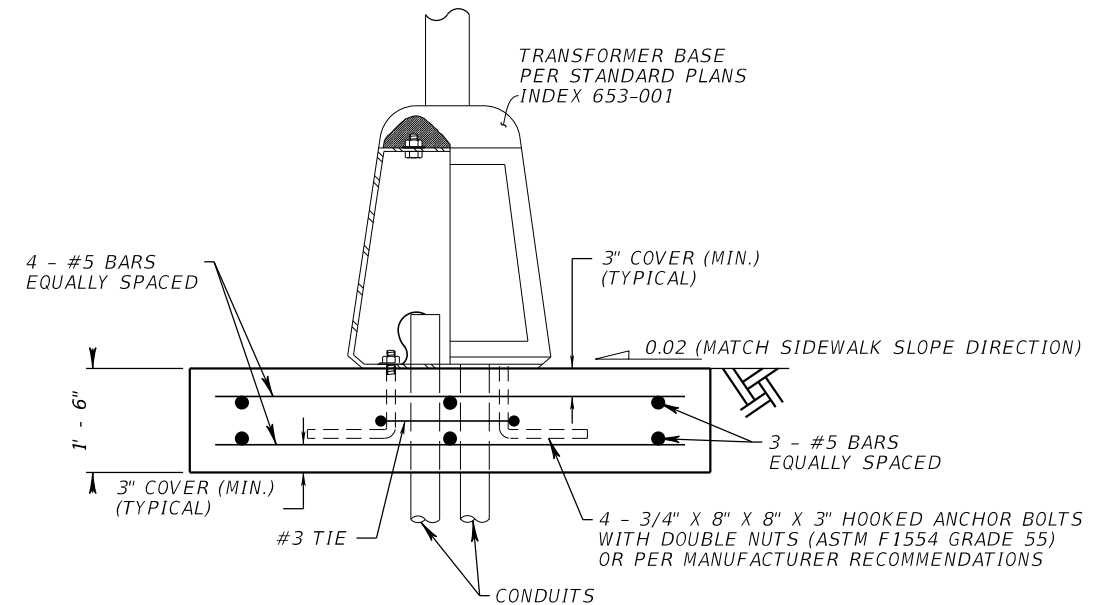
## PEDESTRIAN SIGNAL POLE NOTES:

1. THE COST OF THE FOOTING INCLUDING INCIDENTAL WORK IS INCLUDED IN THE PAY ITEM NUMBER FOR MULTI-POST SIGN UNLESS NOTED OTHERWISE.
2. SOIL BELOW FOOTING TO HAVE A MINIMUM BEARING CAPACITY OF 2.5 kip/sq ft.
3. PEDESTRIAN SIGNAL DESIGN LOADS NOT TO EXCEED:

MAX. MOMENT = 0.94 KIP-FT  
 AXIAL = 0.25 KIP  
 MAX. SHEAR = 0.17 KIP

## PRECAST OPTION FOOTING NOTES:

1. SURFACE FINISH: THE EXPOSED PART OF THE PEDESTAL SHALL HAVE A CLASS 3 BROOM FINISH.
2. HANDLING: PRECAST CONCRETE FOOTINGS MUST BE MAINTAINED IN A FLAT POSITION. THEY MUST BE PICKED UP FROM TWO (2) POINTS LOCATED AT EACH END.
3. STORAGE AND TRANSPORTATION: ALL PRECAST CONCRETE FOOTINGS MUST BE STORED ON ADEQUATE DUNNAGE. THE PRECAST CONCRETE FOOTING MUST BE SUPPORTED NO CLOSER THAN 6 INCHES AND NO FURTHER THAN 18 INCHES FROM THE END.
4. MARKING: EACH PRECAST CONCRETE FOOTING SHALL BE MARKED SHOWING CASTING DATE AND IDENTIFICATION LETTERS AND NUMBERS.
5. WHEN WELDED WIRE FABRIC IS USED, THE AREA MUST BE AT LEAST EQUAL TO THE AREA OF THE REINFORCEMENT SHOWN IN THE DRAWING.



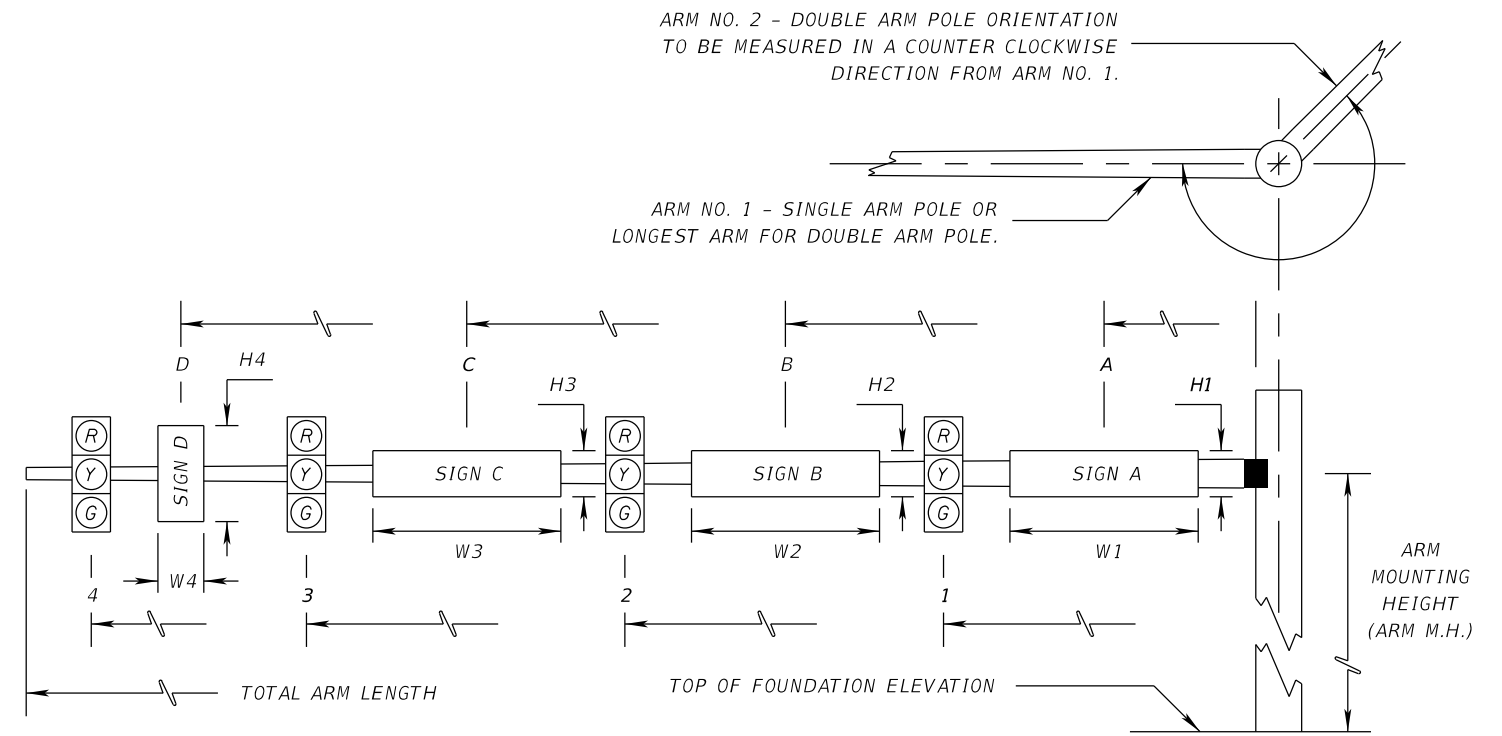
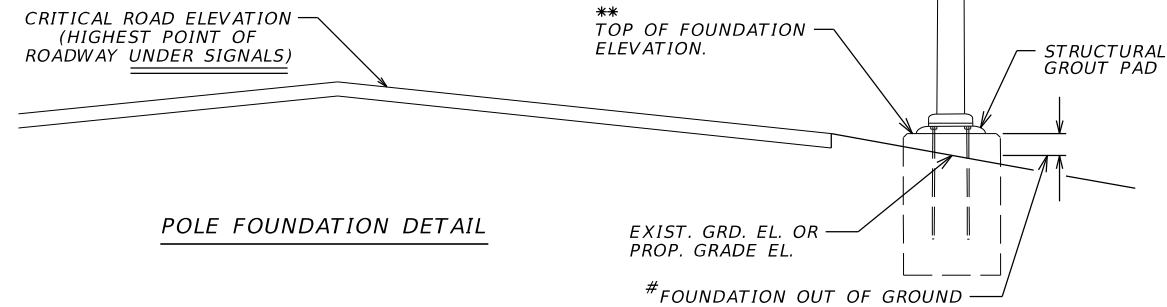
**PEDESTRIAN SIGNAL SPREAD FOOTING**

LONGITUDINAL  
 TRANSVERSE  
 ⊗ DENOTES PICK UP POINTS FOR PRECAST FOOTING OPTION

REVISIONS				VICKEN SERPEKIAN, P.E., P.T.O.E. P.E. LICENSE NUMBER 82646 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO.  27
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						HILLSBOROUGH	443711-1-58-01	

SPECIAL NOTES:

- A. EACH POLE AND MAST ARM SHALL BE IDENTIFIED WITH A PERMANENT ONE INCH (1") HIGH ENGRAVED OR IMPRESSED MARK WHICH BEARS THE POLE IDENTIFICATION NUMBER SHOWN ON THE PLANS. COORDINATE WITH THE CITY OF TAMPA TRAFFIC SIGNAL SUPERVISOR FOR IDENTIFICATION NUMBER AND LOCATION.
- B. ANCHOR BOLT COVERS (ORNAMENTAL, NON-ORNAMENTAL, AND/OR PAINTED) SHALL BE GALVANIZED STEEL OR CAST ALUMINUM AND SHALL BE SECURED BY A MINIMUM OF TWO (2) THREADED FASTENERS. THE BOLT COVERS SHALL BE OF SUFFICIENT SIZE SO THAT THERE IS NO GAP BETWEEN ITSELF AND THE POLE SHAFT.
- C. FIELD VERIFY ALL ELEVATIONS LISTED HEREIN.
- D. RETROREFLECTIVE BACKPLATES REQUIRED FOR ALL SIGNALS HEADS.



\* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

STRUCT. ID. NO.	POLE ID. NO.	SHEET NO.	LOCATION BY STA.	CRITICAL ROAD EL.	# FOUNDATION OUT OF GROUND	TOP OF FOUNDATION ELEVATION	RDWY ARM NO.	SIGNAL DATA														SIGN / LUMINAIRE DATA									FISHEYE VIDEO DETECTION UNIT DISTANCE FROM POLE					
								SIGNAL V/H	BACK PLATES Y/N	PED. SIGNAL Y/N	DISTANCE FROM POLE Q												TOTAL ARM LENGTH	ARM M.H.	L BETWEEN DUAL ARMS 90/270	DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN										
											1	*	2	*	3	*	4	*	5	*	6	*				A	H1	W1	B	H2		W2	C	H2	W2	
	1	21	33+76.25, 31.0' LT.	17.7	0.0'	17.60	1	V	Y	N	28.5'	3	36.5'	3						50.0'	20.0'	90°	16.0'	2.0'	6.0'	23.5'	3.0'	2.5'	41.0'	3.0'	3.0'	45.0'				
				17.8			2	V	Y	N	10.5'	3	21.0'	3						40.0'	20.0'		8.0'	2.5'	2.5'	24.0'	3.0'	3.0'	32.0'	2.0'	7.0'					
	2	21	33+11.25, 37.0' RT.	18.0	0.5'	18.57	1	V	Y	N	13.5'	3	21.5'	3						30.0'	19.5'		9.5'	2.0'	6.0'	17.5'	3.0'	3.0'	25.5'	2.5'	2.5'					

REVISIONS				VICKEN SERPEKIAN, P.E., P.T.O.E. P.E. LICENSE NUMBER 82646 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		<b>MAST ARM TABULATION</b>	SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		FINANCIAL PROJECT ID	28
						HILLSBOROUGH		443711-1-58-01	

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

**STANDARD MAST ARM ASSEMBLIES DATA TABLE**

STRUCTURE ID NUMBERS	ASSEMBLY NUMBERS	FIRST ARM			SECOND ARM			UF (deg)	LL (deg)	POLE				SPECIAL DRILLED SHAFT					
		ARM TYPE	(1) FAA (ft.)	(1) FBA (in.)	ARM TYPE	(1) FAA (ft.)	(1) FBA (in.)			(2) POLE TYPE	(3) UAA (ft.)	UB (ft.)	(4) UCA (in.)	DA (ft.)	DB (ft.)	RA	RB	RC	RD (in.)
	1	A50/D	-	-	A40/D	-	-	90	45	P3/D/L	25	20	16.5	14	5	11	18	10	6
	2	A30/S	-	-	-	-	-	-	-	P1/S	22.5	19.5	12.9	13.5	5	11	18	10	8

STRUCTURE ID NUMBERS	ASSEMBLY NUMBERS	LUMINAIRE AND CONNECTION											
		LA (ft.)	LB (ft.)	LC (in.)	LD (in.)	LE	LF (ft.)	LG (in.)	LH (in.)	LJ (in.)	LK (in.)	LL (deg)	UG (ft.)
	1	25	6	2.375	0.125	0.5	3.56	0.5	0.75	0.25	0.25	0	23.5
	2	-	-	-	-	-	-	-	-	-	-	-	-

NOTES :

- If an entry appears in column FAA, a shorter arm is required. This is obtained by removing length from the arm tip and the arm length shortened from FA to FAA. SAA Similar.
- Pole type designation containing "/L" does not necessarily indicate the requirement of a luminaire on the pole, rather used for the structural analysis.
- If an entry appears in column UAA, a shorter pole is required. This is obtained by removing length from the pole tip and the pole height shortened from UA to UAA.
- Work this sheet with the Signal Designer's "Mast Arm Tabulation". See "Mast Arm Tabulation" for special instructions that include non-standard Handhole location, paint color, terminal compartment requirement, and pedestrian features.
- Work with Standard Plans Index 649-030 and 649-031.
- Design Wind Speed = 150 mph

FOUNDATION NOTES :

- Design based on Borings taken sealed by Kevin H. Scott, P.E., Tierra, Inc.
- Assumptions and Values used in design:

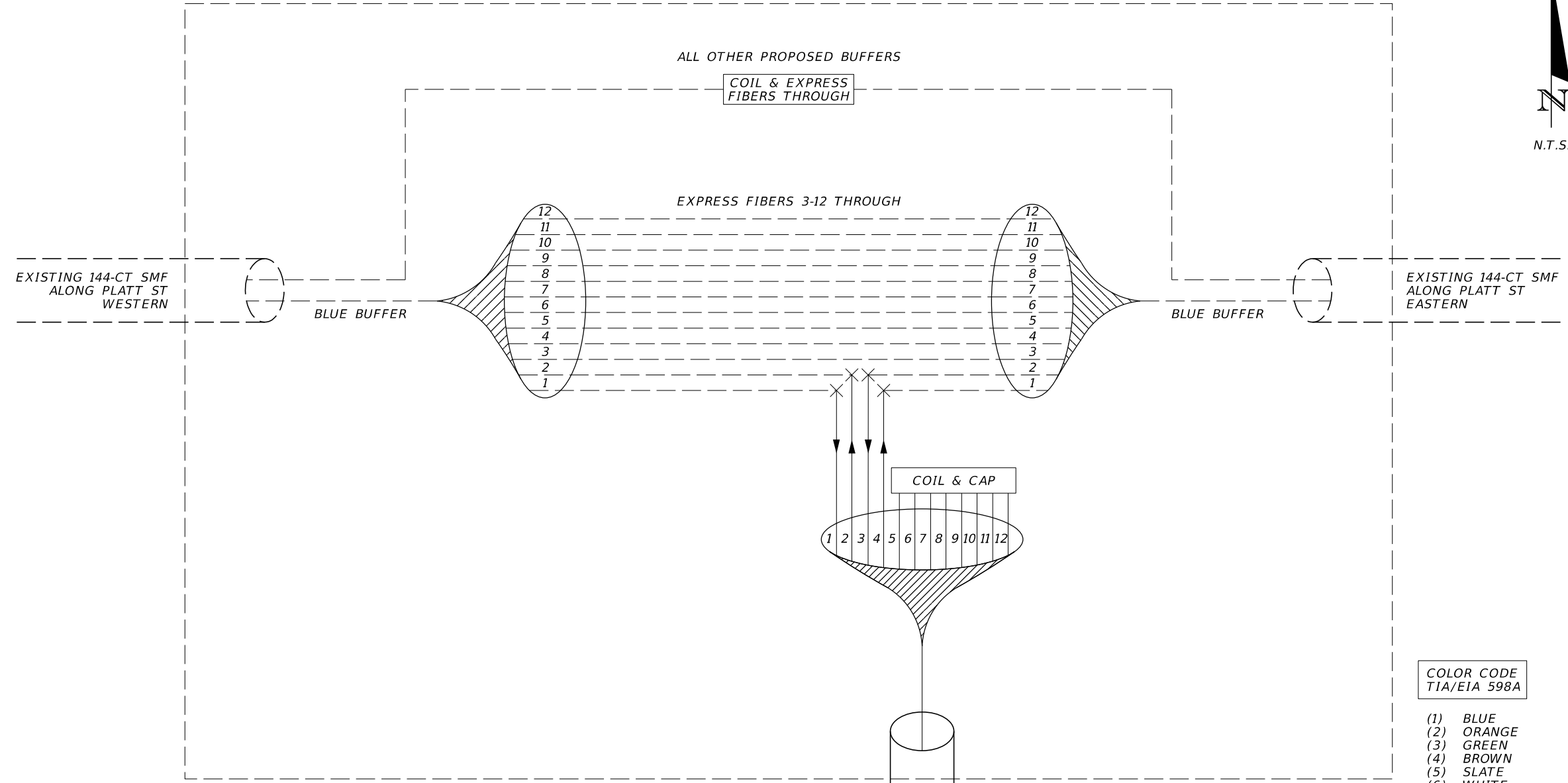
SOIL PARAMETERS:

STRUCTURE	SOIL TYPE	EFFECTIVE UNIT WEIGHT	FRICTION ANGLE	N-VALUE
MAST ARM 1	SAND	50	30	5
MAST ARM 2	SAND	50	29	5

REVISIONS				VICKEN SERPEKIAN, P.E., P.T.O.E. P.E. LICENSE NUMBER 82646 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						HILLSBOROUGH	443711-1-58-01	
							29	

EXIST SPLICE VAULT  
AT SOUTHWEST CORNER OF PLATT ST AND FREMONT AVE

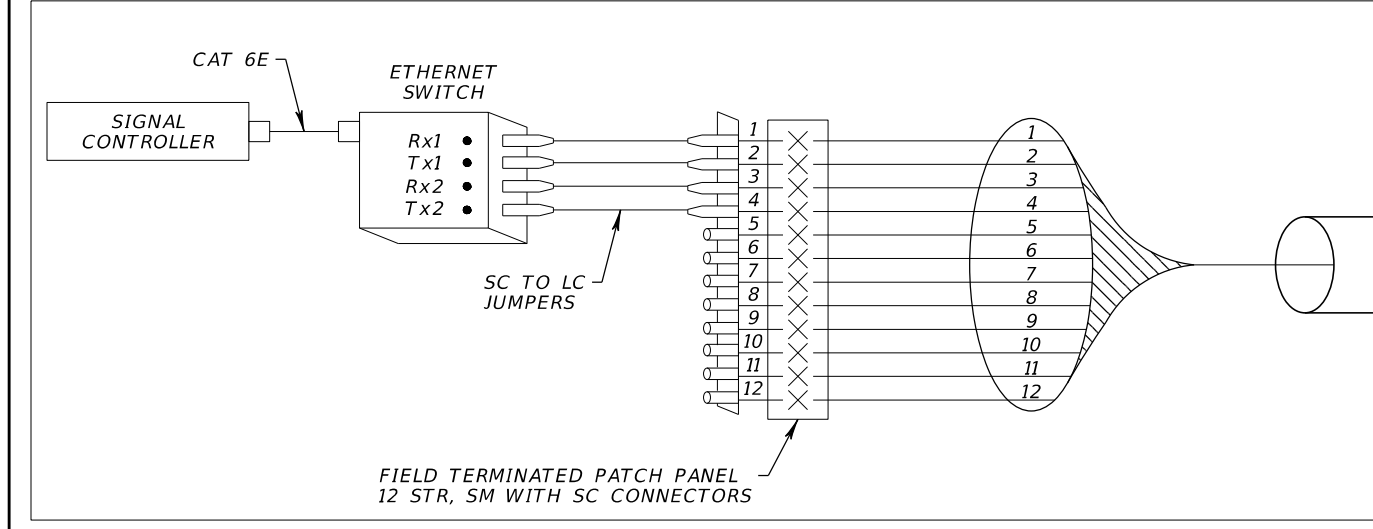
SPL-1



COLOR CODE  
TIA/EIA 598A

- (1) BLUE
- (2) ORANGE
- (3) GREEN
- (4) BROWN
- (5) SLATE
- (6) WHITE
- (7) RED
- (8) BLACK
- (9) YELLOW
- (10) VIOLET
- (11) ROSE
- (12) AQUA

PROPOSED CONTROLLER CABINET  
AT SOUTHEAST CORNER OF PLATT ST AND FREMONT AVE

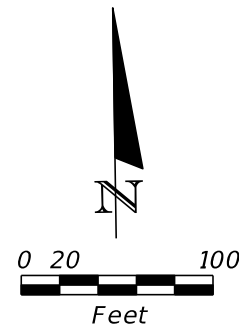
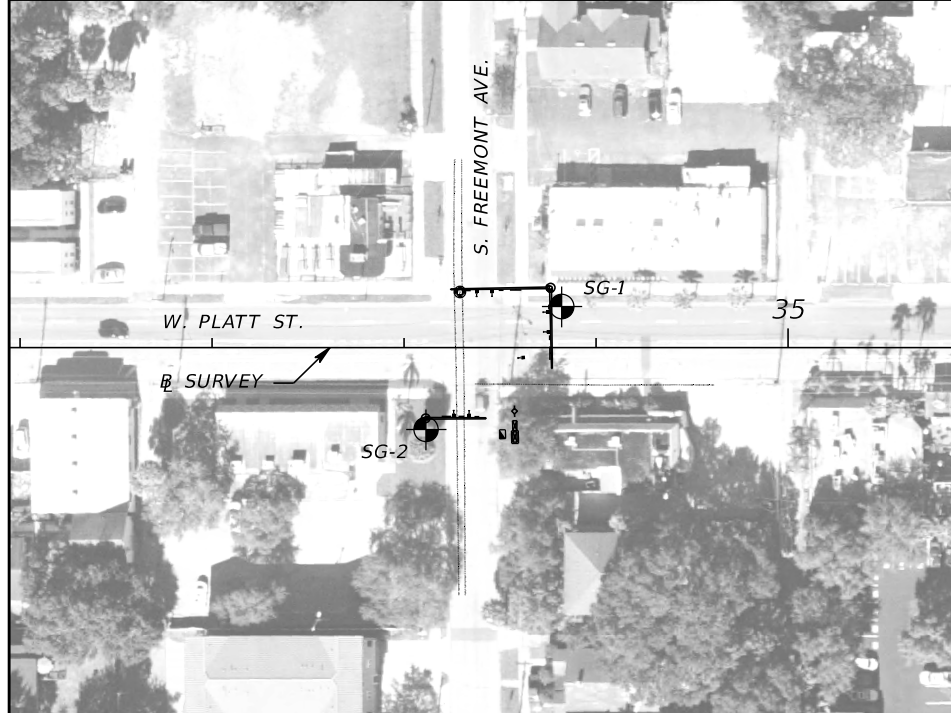


LEGEND

- (SPL-X) SPLICE DETAIL NUMBER
- EXISTING FIBER STRAND
- PROPOSED FIBER STRAND
- × FUSION SPLICE
- SMF SINGLE-MODE FIBER

REVISIONS				VICKEN SERPEKIAN, P.E., P.T.O.E. P.E. LICENSE NUMBER 82646 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO.  30
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					HILLSBOROUGH	443711-1-58-01	<b>SPLICING DETAIL</b>	

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



**LEGEND**

- PALE BROWN TO LIGHT BROWN TO LIGHT GRAY SAND TO SAND WITH SILT (SP/SP-SM)
- GRAY-BROWN CLAYEY SAND (SC)
- WEATHERED LIMESTONE
- PAVEMENT AND BASE MATERIAL
- SP** UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D 2487) GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW.
- N** NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12 INCHES OF PENETRATION (UNLESS OTHERWISE NOTED).
- 50/4** NUMBER OF BLOWS FOR 4 INCHES OF PENETRATION
- HA** HAND AUGERED TO VERIFY UTILITY CLEARANCE
- WH** SPLIT-SPOON SAMPLER ADVANCED UNDER WEIGHT OF ROD AND HAMMER
- NAVD 88** NORTH AMERICAN VERTICAL DATUM OF 1988
- APPROXIMATE SPT BORING LOCATION
- LOSS OF CIRCULATION OF DRILLING FLUID (%)
- CASING
- GROUNDWATER LEVEL ENCOUNTERED DURING FIELD EXPLORATIONS

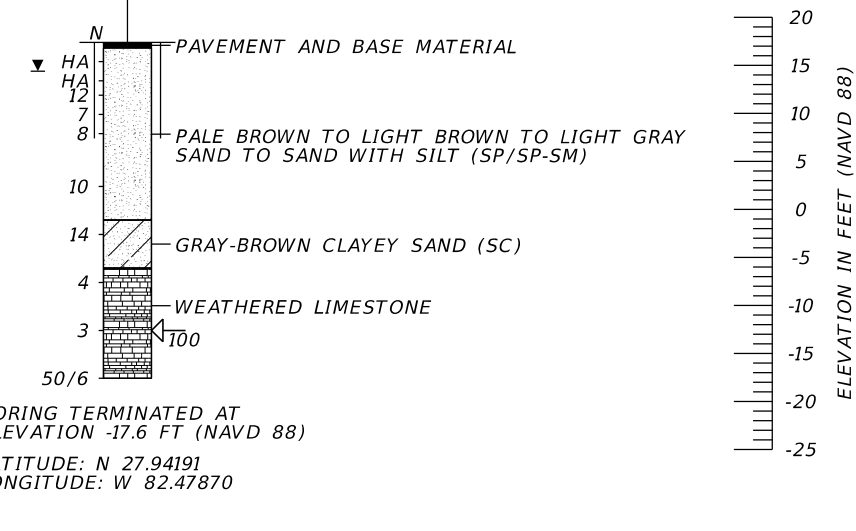
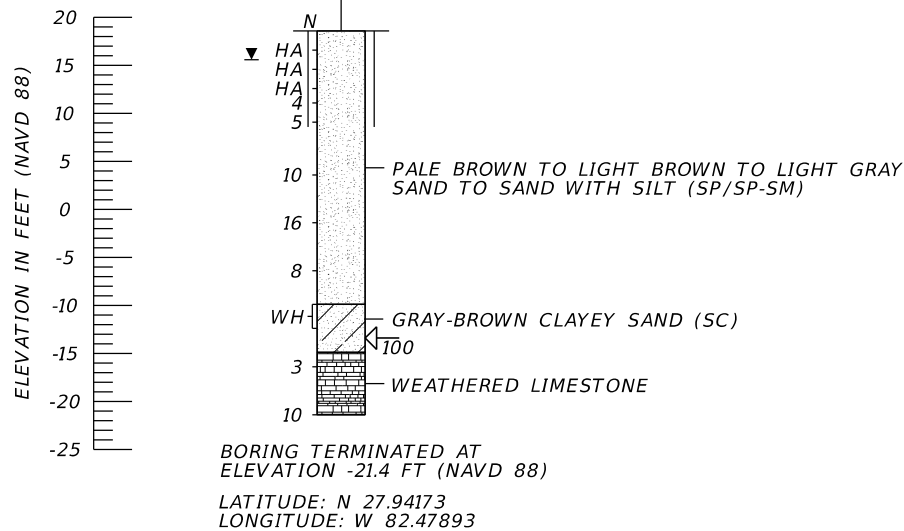
**NOTES:**

1. THE BORINGS WERE LOCATED IN THE FIELD USING A HAND-HELD GARMIN NON SURVEY GRADE GLOBAL POSITIONING SYSTEM (GPS) DEVICE WITH A REPORTED ACCURACY OF ± 10 FEET. THE LOCATIONS AND ELEVATIONS WERE DETERMINED USING THE GPS COORDINATES OBTAINED IN THE FIELD IN CONJUNCTION WITH THE PROJECT DESIGN FILES AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE
2. CONCRETE VOLUME OVERRUNS MAY OCCUR DURING THE SHAFT INSTALLATION PROCESS DUE TO POROUS NATURE OF THE WEATHERED LIMESTONE ENCOUNTERED.
3. TEMPORARY CASING METHODS FOR SHAFT INSTALLATION BEYOND WHAT IS REQUIRED IN THE FDOT SPECIFICATIONS MAY BE REQUIRED IN ORDER TO PREVENT THE COLLAPSE OF SANDY SOILS AND/OR GROUNDWATER INTRUSION DURING SHAFT CONSTRUCTION
4. BASED ON A REVIEW OF THE "POTENTIOMETRIC SURFACE OF THE UPPER FLORIDAN AQUIFER" MAPS PUBLISHED BY THE USGS; THE POTENTIOMETRIC SURFACE ELEVATION OF THE UPPER FLORIDAN AQUIFER IN THE PROJECT VICINITY RANGES FROM APPROXIMATELY +10 TO +20 FEET, NGVD 29. ARTESIAN FLOW CONDITIONS WERE NOT ENCOUNTERED WITHIN THE BORINGS PERFORMED AT THE TIME OF OUR FIELD ACTIVITIES; HOWEVER, THE CONTRACTOR SHOULD BE PREPARED TO ADDRESS ARTESIAN LEVELS UP TO A HEAD OF +20 FEET, NGVD 29

**BORING LOCATION PLAN**

BOR # SG-2  
 STA. 33+11  
 REF. B SURVEY  
 OFF. 43' RT.  
 ELEV. 18.6  
 DATE 11/11/2021  
 DRILLER J. SHAW  
 HAMMER AUTOMATIC  
 RIG D-25

BOR # SG-1  
 STA. 33+82  
 REF. B SURVEY  
 OFF. 21' LT.  
 ELEV. 17.4  
 DATE 11/11/2021  
 DRILLER J. SHAW  
 HAMMER AUTOMATIC  
 RIG D-25



	SAFETY HAMMER	AUTOMATIC HAMMER
GRANULAR MATERIALS-RELATIVE DENSITY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 to 10	3 to 8
MEDIUM DENSE	10 to 30	8 to 24
DENSE	30 to 50	24 to 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 to 4	1 to 3
FIRM	4 to 8	3 to 6
STIFF	8 to 15	6 to 12
VERY STIFF	15 to 30	12 to 24
HARD	GREATER THAN 30	GREATER THAN 24

REVISIONS				KEVIN H. SCOTT, P.E. P.E. LICENSE NUMBER 65514 TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637	CITY OF TAMPA SMART MOBILITY DIVISION			SHEET NO.  31
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					N/A	HILLSBOROUGH	443711-1-58-01	

**SUMMARY OF LUMP SUM ITEMS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0101 1	MOBILIZATION	1			
0102 1	MAINTENANCE OF TRAFFIC	1			

**PAY ITEM NOTES**

- 101-1      PAY ITEM INCLUDES THE COST OF COORDINATION AND STAKING OF THE APPROXIMATE LOCATION OF THE PROPOSED TECO LIGHT POLES WHICH WILL BE CONSTRUCTED BY TECO DISTRIBUTION.
- 110-1-1      COST OF ALL EXCAVATION AND EMBANKMENT REQUIRED FOR PROPOSED WORK IS TO BE INCLUDED IN THE COST OF CLEARING & GRUBBING.
- 334-1-53      REGRADING THROUGH OVERBUILD IS INCIDENTAL TO THE COST OF SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG 76-22.
- 520-1-10      ALL COSTS RELATED TO CONSTRUCTING RC CHANNEL GUTTER AND STAINLESS STEEL GRATE IS TO BE INCLUDED IN THE COST OF TYPE F CURB AND GUTTER.

**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 SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS
SQ-3	SUMMARY OF PAVEMENT SUMMARY OF UTILITY ADJUSTMENTS
SQ-4	SUMMARY OF CURB & GUTTER AND TRAFFIC SEPARATORS
SQ-5	SUMMARY OF SIDEWALK & DETECTABLE WARNINGS
SQ-6	SUMMARY OF PERFORMANCE TURF
SQ-7	TABULATION OF SIGNING AND PAVEMENT MARKING QUANTITIES
SQ-8	TABULATION OF SIGNALIZATION QUANTITIES

REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO.  SQ-1
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						HILLSBOROUGH	443711-1-58-01	



**SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES**

LOCATION  STA. TO STA.	SIDE	AREA ID	INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
			0104 18			
			P	F		
			1		NW QUADRANT OF W PLATT ST & S PACKWOOD AVE	
			1		SW QUADRANT OF W PLATT ST & S PACKWOOD AVE	
			1		SE QUADRANT OF W CLEVELAND ST & S FREMONT AVE	
			1		SW QUADRANT OF W CLEVELAND ST & S FREMONT AVE	
			1		NE QUADRANT OF W AZEELE ST & S FREMONT AVE	
			1		NW QUADRANT OF W AZEELE ST & S FREMONT AVE	
SUB-TOTAL :			6			
TOTAL :			6			

**SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	LENGTH	WIDTH	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.						AREA (AC)	P	F	P	F		
0110 1 1	CLEARING & GRUBBING						LS		1.00		1		0.16 AC	
		32+63.77 to 33+19.19	LT/RT	127768				0.014						
		32+91.20 to 33+24.60	RT	128949				0.047						
		32+92.72 to 33+22.88	LT	128746				0.022						
		33+46.40 to 33+95.39	LT	128850				0.014						
		33+48.95 to 34+82.57	RT	128705				0.041						
		33+55.62 to 34+43.14	LT/RT	126340				0.022						
							SY				229			
0110 4 10	REMOVAL OF EXISTING CONCRETE	32+91.24 to 33+23.17	RT	127434					17.3				SWK	
		32+97.72 to 33+22.88	LT	127518					5.5				CURB	
		33+01.72 to 33+22.94	RT	127541					1.6				CURB	
		33+04.22 to 33+22.26	LT	127461					46.0				SWK	
		33+11.49 to 33+22.15	LT	127472					15.1				BIKE PAD	
		33+15.46 to 33+23.74	RT	127585					35.8				DRWY	
		33+22.62 to 33+23.22	RT	127548					0.2				CURB	
		33+22.66 to 33+24.29	RT	127602					2.8				CURB	
		33+46.80 to 33+55.00	LT	127452					7.0				SWK	
		33+48.29 to 33+49.02	LT	127476					0.3				CURB	
		33+48.97 to 33+49.63	RT	127575					0.3				CURB	
		33+48.97 to 33+70.54	RT	127315					27.9				SWK	
		33+49.45 to 34+79.56	RT	127561					7.0				CURB	
		33+54.35 to 33+91.21	LT	127443					34.9				SWK	
		33+54.35 to 33+84.14	LT	127481					1.3				CURB	
		34+48.11 to 34+67.64	RT	128240					18.0				DRWY	
		34+67.56 to 34+82.57	RT	127426					8.3				SWK	

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

ANDREW GREGG, P.E.  
P.E. LICENSE NUMBER 72443  
ELEMENT ENGINEERING GROUP  
1713 E. 9th AVENUE  
TAMPA, FL 33605

CITY OF TAMPA  
DEPARTMENT OF TRANSPORTATION  
AND STORMWATER

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	HILLSBOROUGH	443711-1-58-01

**SUMMARY OF QUANTITIES**

SHEET NO.  
**SQ-2**

**SUMMARY OF PAVEMENT**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
285715	OPTIONAL BASE, BASE GROUP 15	33+46.40 to 33+56.98		LT	125379			SY	5.1		5			
0327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	31+50.00 to 35+00.00		LT/RT	117255			SY	1827.5		1828			
0334 1 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG 76-22	31+50.00 to 32+79.11		LT/RT	117207			TN	45.69		145.5			
		32+78.50 to 35+00.00		LT/RT	117137				87.99					
		33+46.40 to 33+56.93		LT	114466				0.75				RECONST.	
		33+89.04 to 33+95.05		RT	114475				0.99				RAMP	
		33+95.05 to 34+28.05		RT	114488				9.07				RAISED CROSSING	
		34+28.05 to 34+34.05		RT	114482				0.99				RAMP	

**SUMMARY OF UTILITY ADJUSTMENTS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STATION			P	F	P	F		
0425 6	VALVE BOXES, ADJUST	33+45.07	RT	EA	1.0		2		WATER	
		33+48.84	LT	EA	1.0				WATER	

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER ROAD NO. COUNTY FINANCIAL PROJECT ID HILLSBOROUGH 443711-1-58-01	SHEET NO. SQ-3
REVISIONS																		
DATE	DESCRIPTION	DATE	DESCRIPTION															

**SUMMARY OF QUANTITIES**

**SUMMARY OF CURB & GUTTER AND TRAFFIC SEPARATORS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
						GROSS LENGTH	DEDUCTIONS		NET LENGTH		P			F
							TYPE	LENGTH	P	F				
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	33+74.33 to 33+89.04	RT		LF	14.7			14.7		105			
		33+89.04 to 33+95.05	RT			6.0			6.0			RC CHANNEL TRANS CURB		
		33+95.05 to 34+28.04	RT			33.0			33.0			RC CHANNEL GUTTER		
		34+28.04 to 34+34.04	RT			6.0			6.0			RC CHANNEL TRANS CURB		
		34+34.04 to 34+79.56	RT			45.6			45.6					
0520 2 4	CONCRETE CURB, TYPE D	32+97.72 to 33+04.72	LT		LF	7.0			7.0		277			
		33+01.72 to 33+04.72	RT			3.0			3.0					
		33+11.89 to 33+22.40	LT			25.9			25.9					
		33+11.89 to 33+23.04	RT			27.6			27.6					
		33+21.98 to 33+22.54	LT			43.6			43.6					
		33+23.13 to 33+23.13	RT			3.0			3.0					
		33+23.20 to 33+24.43	RT			62.0			62.0					
		33+48.52 to 33+48.56	LT			3.0			3.0					
		33+49.12 to 33+67.16	RT			40.3			40.3					
		33+49.20 to 33+49.23	RT			3.0			3.0					
		33+51.05 to 33+67.08	LT			36.4			36.4					
		33+74.24 to 33+84.14	LT			9.9			9.9					
		33+74.33 to 33+80.33	RT			6.0			6.0					
33+74.33 to 33+80.34	LT			6.0			6.0							
0520 70	CONCRETE TRAFFIC SEPARATOR, SPECIAL - VARIABLE WIDTH	32+63.77 to 33+04.72	LT/RT	122944	SY	51.5			51.5		151	TYPE IV CONC.		
		33+11.72 to 33+19.20	LT/RT	122956		7.5			7.5			TYPE IV CONC.		
		33+55.62 to 33+67.34	LT/RT	122971		12.6			12.6			TYPE IV CONC.		
		33+80.33 to 34+43.14	LT/RT	123001		78.9			78.9			TYPE IV CONC.		

<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	<p align="center">CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td> </td> <td>HILLSBOROUGH</td> <td>443711-1-58-01</td> </tr> </tbody> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		HILLSBOROUGH	443711-1-58-01	<p align="center"><b>SUMMARY OF QUANTITIES</b></p>	SHEET NO.  SQ-4
DATE	DESCRIPTION	DATE	DESCRIPTION																		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																			
	HILLSBOROUGH	443711-1-58-01																			

**SUMMARY OF SIDEWALK & DETECTABLE WARNINGS**

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 2		0527 2			
					SY		SF			
P	F	P	F							
32+91.24 to 33+20.72	RT	119173			72.6					
32+97.72 to 33+22.80	LT	120712			81.6					
33+02.72 to 33+12.72	LT/RT	119917			9.4					
33+06.37 to 33+23.63	RT	118845			55.4				DRWY	
33+12.39 to 33+21.88	LT	120197			3.1				RAISED ISLAND	
33+12.39 to 33+22.54	RT	118656			2.9				RAISED ISLAND	
33+14.30 to 33+19.48	RT	118813			14.3					
33+48.39 to 33+91.21	LT	120624			44.9					
33+48.95 to 34+48.31	RT	120580			99.6					
33+50.95 to 33+66.33	RT	120510			4.3				RAISED ISLAND	
33+51.57 to 33+66.58	LT	118310			4.7				RAISED ISLAND	
33+67.32 to 33+80.33	LT/RT	122121			16.1					
34+38.19 to 34+76.56	RT	118878			21.7				DRWY	
34+67.56 to 34+82.57	RT	119206			9.9					
33+04.72 to 33+11.72	RT	13085					14.0			
33+04.72 to 33+11.72	LT	13068					14.0			
33+04.72 to 33+11.72	RT	14989					14.0			
33+04.72 to 33+11.72	LT	12987					14.0			
33+20.18 to 33+22.18	LT	12984					14.0			
33+20.72 to 33+22.72	RT	13080					14.0			
33+49.45 to 33+51.46	RT	12992					14.0			
33+50.15 to 33+52.15	LT	13360					14.0			
33+67.24 to 33+74.24	LT	13126					14.0			
33+67.33 to 33+74.33	RT	13152					14.0			
33+67.33 to 33+74.33	LT	13128					14.0			
33+67.33 to 33+74.33	RT	13148					14.0			
34+06.32 to 34+16.32	RT	13394					20.0			
34+06.33 to 34+16.33	RT	13396					20.0			
SUB-TOTAL :					440.5		208.0			
TOTAL :					441		208			

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

REVISIONS				ANDREW GREGG, P.E. P.E. LICENSE NUMBER 72443 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			<b>SUMMARY OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-5
						HILLSBOROUGH	443711-1-58-01		

**SUMMARY OF PERFORMANCE TURF**

LOCATION  STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS
					0570	1 2		
					SY			
					P	F		
32+91.20 to 33+04.72	RT	119517			4.3			
32+92.72 to 33+04.72	LT	121234			2.2			
33+04.12 to 33+14.13	RT	121685			19.9			
33+06.75 to 33+14.50	RT	121514			11.7			
33+08.28 to 33+13.85	RT	121674			2.0			
33+11.30 to 33+21.70	LT	119452			12.3			
33+12.79 to 33+22.78	RT	121804			17.5			
33+17.01 to 33+22.72	RT	121793			2.2			
33+19.34 to 33+23.93	RT	119502			9.0			
33+48.88 to 33+59.39	LT	121763			6.6			
33+49.59 to 33+61.19	RT	123055			20.1			
33+84.14 to 33+95.39	LT	119421			2.2			
34+76.56 to 34+82.56	RT	119403			1.9			
SUB-TOTAL:					111.9			
TOTAL:					112			

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-6
						HILLSBOROUGH	443711-1-58-01		

TABULATION OF SIGNING AND PAVEMENT MARKING QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			20														PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	3														3		3	
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	2														2		2	
700-1-50	SINGLE POST SIGN, RELOCATE	AS	1														1		1	
700-1-60	SINGLE POST SIGN, REMOVE	AS	2														2		2	
700-1-74	SINGLE POST SIGN, F&I CUSTOM, 31+ SF	AS	1														1		1	
700-13-15	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'	EA	2														2		2	
706-1-3	RAISED PAVEMENT MARKER, TYPE B	EA															61		61	
	(B/B)	EA	2																	
	(W/R)	EA	51																	
	(Y/Y)	EA	8																	
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS															1		1	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.108																	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 8"	GM	0.084																	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK, 12"	LF	229																	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONALS AND CHEVRONS, 18"	LF	227																	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE, 24"	LF	52																	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, (10/30) SKIP, 6"	GM	0.031																	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM	0.015																	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	4																	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, YIELD LINE	LF	6																	
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.078																	
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK	LF	229														229		229	
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	227														227		227	
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE	LF	52														52		52	
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM	0.015														0.015		0.015	
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA															4		4	
	(LEFT/THRU)	EA	1																	
	(RIGHT/THRU)	EA	1																	
	(WRONG WAY)	EA	2																	
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF	6														6		6	
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	198														198		198	
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	2														2		2	
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	2														2		2	
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.108														0.108		0.108	
711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.084														0.084		0.084	
711-16-131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP	GM	0.031														0.031		0.031	
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.078														0.078		0.078	
920-714-100	GREEN COLORED PAVEMENT MARKINGS, BIKE LANE	SF	779														779		779	

\* 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 REQUIRE

REVISIONS				VICKEN SERPEKIAN, P.E., P.T.O.E. P.E. LICENSE NUMBER 82646 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TABULATION OF QUANTITIES	SHEET NO. SQ-7
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						HILLSBOROUGH	443711-1-58-01		

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TABULATION OF SIGNALIZATION QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET		GRAND TOTAL	
			21		22																	
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
611-1-1	ITSFM SUBSURFACE DOCUMENTATION - PROJECT LENGTH	MI	0.015															0.015	0.015			
611-2-1	ITSFM SUBSURFACE DOCUMENTATION - INTERSECTION	EA	1															1	1			
630-2-11	CONDUIT (F&I) (OPEN TRENCH)	LF	305															305	305			
630-2-12	CONDUIT (F&I) (DIRECTIONAL BORE)	LF	200															200	200			
632-7-1	SIGNAL CABLE (NEW) (F&I)	PI	1															1	1			
633-1-121	FIBER OPTIC CABLE (F&I) (UNDERGROUND) (2-12 FIBERS)	LF	215															215	215			
633-2-31	FIBER OPTIC CONNECTION (INSTALL, SPLICE)	EA	4															4	4			
633-2-32	FIBER OPTIC CONNECTION (INSTALL, TERMINATION)	EA	12															12	12			
633-3-11	FIBER OPTIC CONNECTION HARDWARE (F&I) (SPLICE ENCLOSURE)	EA	1															1	1			
633-3-12	FIBER OPTIC CONNECTION HARDWARE (F&I) (SPLICE TRAY)	EA	1															1	1			
633-3-14	FIBER OPTIC CONNECTION HARDWARE (F&I) (BUFFER TUBE FAN OUT KIT)	EA	1															1	1			
633-3-16	FIBER OPTIC CONNECTION HARDWARE (F&I) (PATCH PANEL, FIELD TERMINATED)	EA	1															1	1			
633-3-17	FIBER OPTIC CONNECTION HARDWARE (F&I) CONNECTOR PANEL	EA	1															1	1			
635-2-11	PULL & SPLICE BOX (F&I) (13" x 24" COVER SIZE)	EA	16															16	16			
635-2-12	PULL & SPLICE BOX (F&I) (24" X 36" COVER SIZE)	EA	1															1	1			
639-1-122	ELECTRICAL POWER SERVICE (F&I) (UG) (PURCHASED BY CONTRACTOR)	AS	1															1	1			
639-2-1	ELECTRICAL SERVICE WIRE (F&I)	LF	60															60	60			
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 SERVICE POLE	EA	1															1	1			
646-1-11	ALUMINUM SIGNALS POLE (F&I) (PEDESTAL)	EA	9															9	9			
649-21-1	STEEL MAST ARM ASSEMBLY (F&I) (SINGLE ARM) (30')	EA	1															1	1			
649-21-8	STEEL MAST ARM ASSEMBLY (F&I) (DOUBLE ARM) (50'-40')	EA	1															1	1			
650-1-14	VEHICLE TRAFFIC SIGNAL (F&I - ALUMINUM) (3 SECTION, 1 WAY)	AS			7													7	7			
653-1-11	PEDESTRIAN SIGNAL (F&I) (LED COUNTDOWN) (1 WAY)	AS			8													8	8			
660-4-11	VEHICLE DETECTION SYSTEM - VIDEO (F&I) (CABINET EQUIPMENT)	EA	1															1	1			
660-4-12	VEHICLE DETECTION SYSTEM - VIDEO (F&I) (ABOVE GROUND EQUIPMENT)	EA	1															1	1			
665-1-11	PEDESTRIAN DETECTOR (F&I) (STANDARD)	EA	9															9	9			
670-5-110	TRAFFIC CONTROLLER ASSEMBLY (F&I) (NEMA)	AS	1															1	1			
684-1-1	MANAGED FIELD ETHERNET SWITCH (LAYER 2) (F&I)	EA	1															1	1			
685-1-14	UNINTERRUPTIBLE POWER SUPPLY (F&I) (ONLINE / DOUBLE CONVERSION, WITH CABINET)	EA	1															1	1			
700-3-101	SIGN PANEL, (F&I) (GROUND MOUNT) (UP TO 12 SF)	EA			1													1	1			
700-3-201	SIGN PANEL, (F&I) (OVERHEAD MOUNT) (UP TO 12 SF)	EA			6													6	6			
700-5-22	INTERNALLY ILLUMINATED SIGN (F&I) (OVERHEAD MOUNT) (12-18 SF)	EA	3															3	3			
715-5-32	LUMINAIRE & BRACKET ARM- GALV STEEL, FURNISH & INSTALL NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE	EA	1															1	1			

REVISIONS				VICKEN SERPEKIAN, P.E., P.T.O.E. P.E. LICENSE NUMBER 82646 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TABULATION OF QUANTITIES	SHEET NO. SQ-8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						HILLSBOROUGH	443711-1-58-01		

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