The Enclosed Document Is Provided For Your Convenience.

Please Email ALL Questions:

MailTo:ContractAdministration@TampaGov.net

Please Let Us Know If You Plan To Bid

City of Tampa
Contract Administration Department
306 E. Jackson St. #280A4N
Tampa, FL 33602
(813)274-8456

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
SIGNING AND PAVEMENT MARKINGS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SUMMARY OF PAY ITEMS
3 - 4	TYPICAL SECTION
5 - 6	PROJECT LAYOUT
7 - 8	GENERAL NOTES
9 - 17	ROADWAY PLAN
18 - 21	SPECIAL DETAILS
22	DRIVEWAY CROSS SECTIONS
23	STORMWATER POLLUTION PREVENTION PLAN
24 - 32	UTILITY ADJUSTMENTS

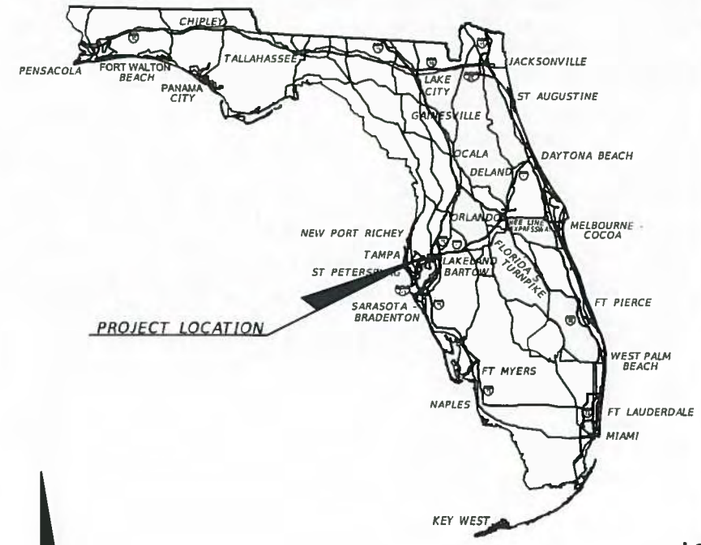
CITY OF TAMPA
DEPARTMENT OF TRANSPORTATION

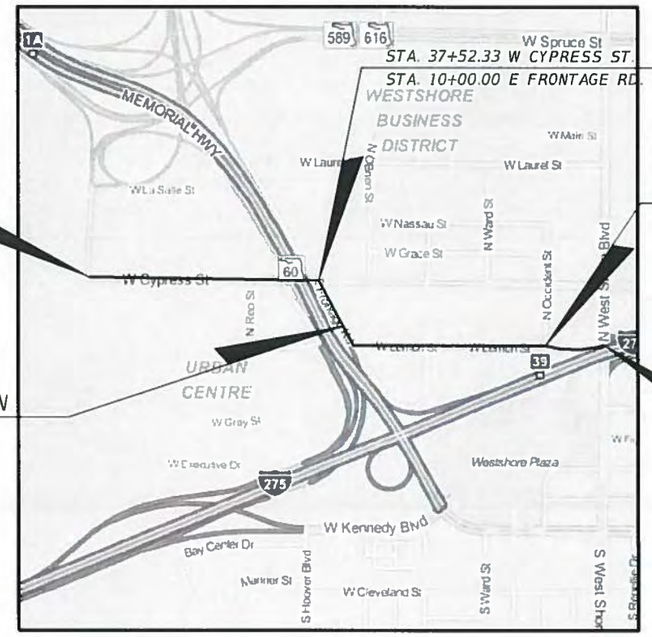
CONTRACT PLANS

CITY OF TAMPA PROJECT ID 1000263
FPN: 432714-1-58-01

(FEDERAL FUNDS)

CYPRESS STREET CORRIDOR FROM U-PATH TO WESTSHORE BLVD.
BIKE LANE/SIDEWALK PROJECT





BEGIN PROJECT
STA. 10+63.08

END EXCEPTION
STA. 10+00.00

BEGIN EXCEPTION
STA. 16+05.50

END PROJECT
STA. 16+15.90

N
NTS

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
GREGORY S. TRIM, P.E.
SAM SCHWARTZ ENGINEERING, D.P.C., PA
2709 N. ROCKY POINT DR., SUITE 104
TAMPA, FL 33607

PLANS PREPARED BY:

SAM SCHWARTZ ENGINEERING , D.P.C., PA
2709 N. ROCKY POINT DR., SUITE 104
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30268
VENDOR NO.: 46-1885050
CONTRACT NO.

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

FINAL PLANS SUBMITTAL - 04/6/15

GOVERNING STANDARDS AND SPECIFICATIONS:
Florida Department of Transportation, 2015 Design Standards and revised Index Drawings as appended herein, and January 2015 Division II and III Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

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

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

PROJECT LENGTH IS BASED ON ℄ OF SURVEY

LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	3,910.65	0.741
BRIDGES	NA	NA
NET LENGTH OF PROJECT	3,910.65	0.741
EXCEPTIONS	2,353.80	0.445
GROSS LENGTH OF PROJECT	6,264.45	1.186

GEC PROJECT MANAGER: CHRIS MEARES, P.E.
CITY OF TAMPA PROJECT MANAGER: NINA S. MABILLEAU

KEY SHEET REVISIONS

DATE	DESCRIPTION

GREGORY S. TRIM
CERTIFICATE
P.E. NO. 52935
STATE OF FLORIDA
REGISTERED ENGINEER

ROADWAY PLANS
ENGINEER OF RECORD: GREGORY S. TRIM, P.E.

FISCAL YEAR	SHEET NO.
15	1

ROADWAY PAY ITEMS

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-10-3	SEDIMENT BARRIER	LF	2534
104-11	FLOATING TURBIDITY BARRIER	LF	20
104-18	INLET PROTECTION SYSTEM	EA	16
110-1-1	CLEARING AND GRUBBING	AC	0.750
110-4	REMOVAL OF EXISTING CONC. PAVEMENT	SY	9
120-1	REGULAR EXCAVATION	CY	86
120-6	EMBANKMENT	CY	27
285-701	OPTIONAL BASE GROUP 01	SY	41
334-1-11	SUPERPAVE ASPHALTIC CONC. TRAFFIC A	TN	3.4
339-1	MISCELLANEOUS ASPHALT PAVEMENT	TN	3.08
400-0-11	CONCRETE CLASS NS, GRAVITY WALL	CY	17.0
	TYPE T GRATE INLET (CITY OF TAMPA)	EA	1
430-175-115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15" S/CD	LF	8
515-1-1	PIPE HANDRAIL - GUIDERAIL, STEEL	LF	70
515-2-211	PEDESTRIAN/BICYCLE RAILING, STEEL 42", TYPE 1	LF	131
520-2-4	CONC. CURB, TYPE D	LF	33
520-3	VALLEY GUTTER CONC.	LF	101
522-1	CONC. SIDEWALK, 4" THICK	SY	2779
522-2	CONC. SIDEWALK, 6" THICK	SY	251
523-1	PATTERNED PAVEMENT, VEHICULAR AREAS	SY	54
524-1-29	CONC. DITCH PAVEMENT, 4" REINF.	SY	20
527-2	DETECTABLE WARNINGS	SF	231
570-1-2	PERFORMANCE TURF, SOD	SY	2548

SIGNING & PAVT. MARKING PAY ITEMS

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
653-400	PEDESTRIAN SIGNAL, RELOCATE	AS	1
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	30
700-1-50	SINGLE POST SIGN, RELOCATE	AS	10
700-3-101	SIGN PANEL, F&I GROUND MOUNT, UP TO 12SF	EA	2
706-3	RETRO-REFLECTIVE PAVEMENT MARKER	EA	30
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	147
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF	130
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE (BIKE, SHARROW)	EA	32
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROWS	EA	3
711-16-211	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	NM	0.231

UTILITY PAY ITEMS

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
425-5-1	MANHOLE, ADJUST, UTILITIES	EA	9
425-6	VALVE BOXES, ADJUST	EA	5
1060-25	UTILITY STRUCTURE, ABOVE GROUND, ADJUST & MODIFY	EA	10
1644-800-08	FIRE HYDRANT, RELOCATE, 6"	EA	2

PAY ITEM NOTES:

1. 101-1:
   INCLUDES THE COST TO PREPARE PRECONSTRUCTION VIDEO OF ALL SURFACE FEATURES WITHIN THE CONSTRUCTION'S ZONE OF INFLUENCE.
2. 102-1:
   INCLUDES THE COST TO MAINTAIN PEDESTRIAN TRAFFIC IN ACCORDANCE WITH FDOT INDEX 600.
3. 110-1-1:
   INCLUDES THE COST OF THE RELOCATION OF TREES, TREE & ROOT TRIMMING
4. 400-0-11:
   THE CONTRACTOR SHALL PROTECT THE EXISTING ADJACENT SLOPES DURING CONSTRUCTION OF THE GRAVITY WALL BY MEANS AND METHODS OF HIS OWN. ALL COSTS FOR THE PROTECTION OF SLOPES SHALL BE INCLUDED IN THE BID PRICE OF THE GRAVITY WALL.
5. 425-5-1 & 425-6:
   MANHOLE AND VALVE BOX ADJUSTMENTS ARE TO BE PERFORMED BY THE CONTRACTOR WITH MATERIALS TO BE FURNISHED BY THE APPROPRIATE UTILITY. THE CONTRACTOR SHALL ARRANGE FOR DELIVERY/RECEIPT OF MATERIALS. THE COST FOR OBTAINING MATERIALS AND THE ADJUSTMENT WORK SHALL BE INCLUDED IN THE PAY ITEM.
6. 522-2:
   SHALL INCLUDE THE COST OF ANY EXCAVATION NEEDED FOR DRIVEWAY CONSTRUCTION.

SUMMARY OF GRAVITY WALL & STEEL HANDRAIL

LOCATION STA. TO STA.	SIDE	CLASS NS CONCRETE CY P	CLASS NS CONCRETE CY F	STEEL HANDRAIL LF P	STEEL HANDRAIL LF F	REMARKS	FIELD BOOK REFERENCE
13+51.70 TO 14+02.46 (CYPRESS)	RT	5		51		PED/BIKE RAIL	
13+75.40 TO 14+28.05 (E. FRONTAGE)	LT	6		53		PED GUIDERAIL	
* 15+25.26 TO 15+77.20 (E. FRONTAGE)	LT	7		52		PED/BIKE RAIL	
15+77.56 TO 16+01.20 (E. FRONTAGE)	LT	-		28		PED/BIKE RAIL	
15+87.61 TO 16+00.82 (E. FRONTAGE)	LT	-		17		PED GUIDERAIL	

NOTE: VOLUME OF THICKEN SIDEWALK PAID FOR NON-STRUCTURAL CONCRETE GRAVITY WALL.

GREGORY S. TRIM CERTIFICATE PE0052935 STATE OF FLORIDA REGISTERED ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

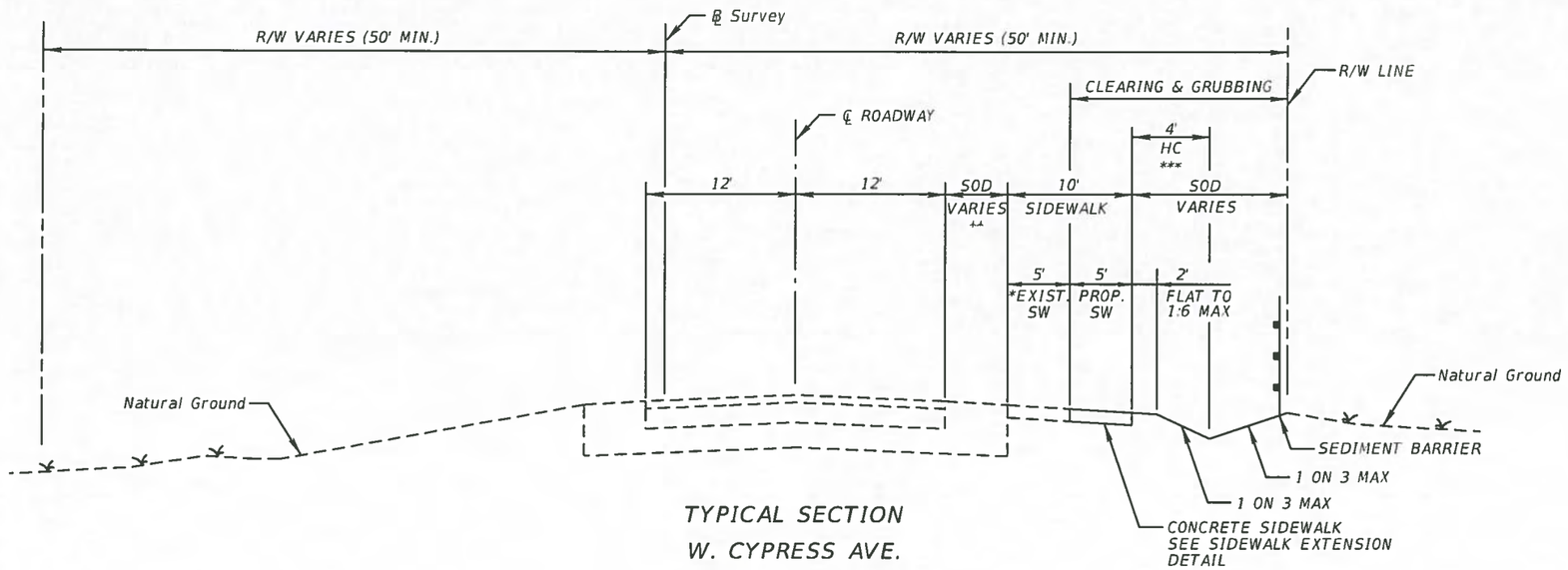
GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR. SUITE 1[illegible]
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30[illegible]

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANCIAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

SUMMARY OF PAY ITEMS

SHEET NO. 2

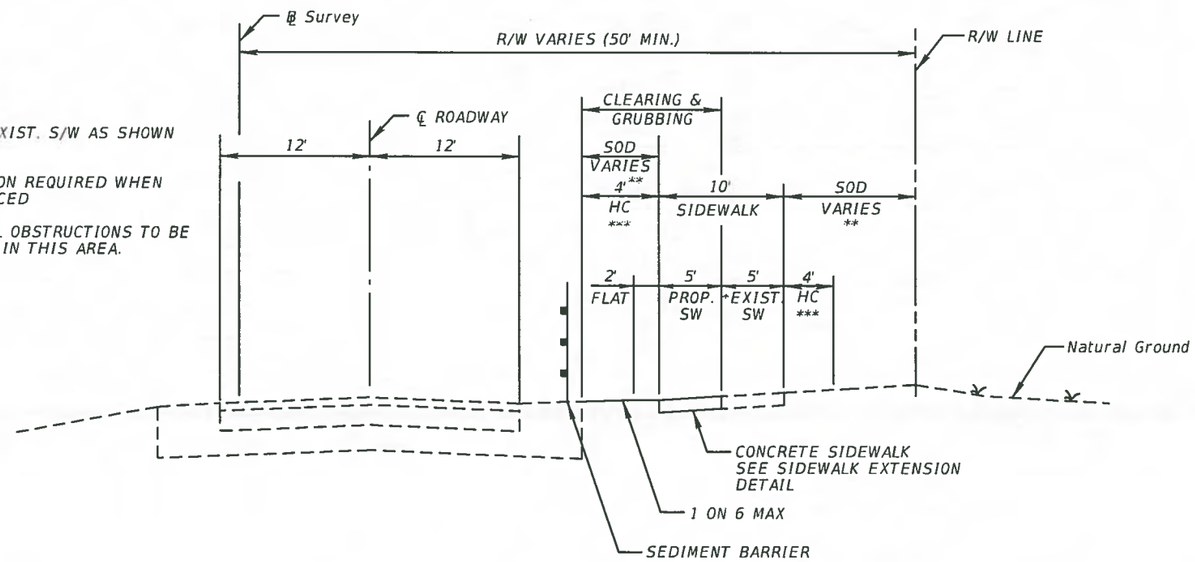


TYPICAL SECTION
W. CYPRESS AVE.
STA. 10+63.08 TO STA. 17+15.00

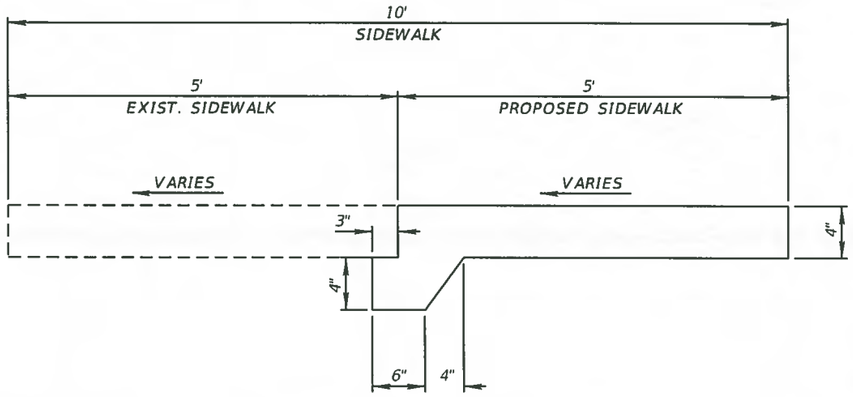
NOTE: * - REPLACE EXIST. S/W AS SHOWN ON PLANS

** - RESTORATION REQUIRED WHEN S/W REPLACED

*** - NO LATERAL OBSTRUCTIONS TO BE INSTALLED IN THIS AREA.



TYPICAL SECTION
W. CYPRESS AVE.
STA. 17+15.00 TO STA. 23+00.00



SIDEWALK EXTENSION DETAIL
W. CYPRESS AVE.
STA. 10+63.08 TO STA. 37+52.33

* ℄ Survey Sta. 37+52.33 W. Cypress St. = ℄ Survey Sta. 10+00.00 E. Frontage Rd.

GREGORY S. TRIM CERTIFICATE PE0052935 STATE OF FLORIDA REGISTERED ENGINEER 5/19/15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR. SUITE 104
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30208

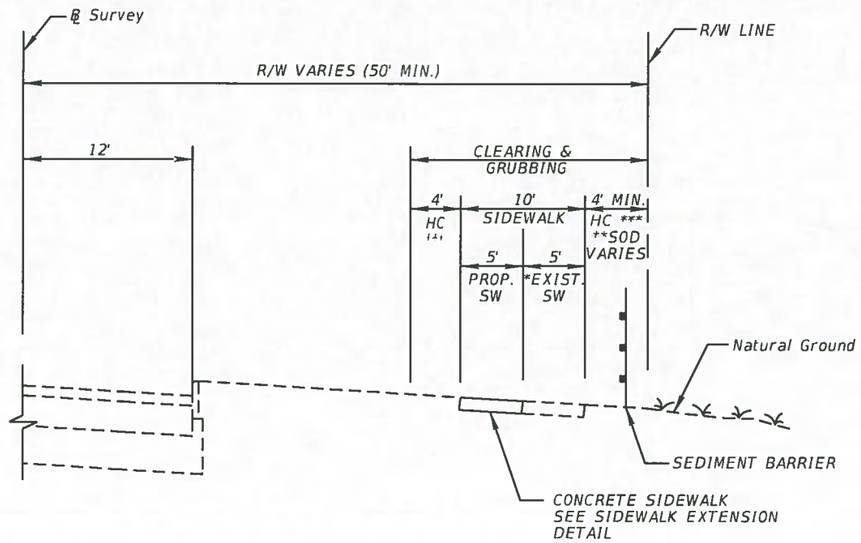
CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

TYPICAL SECTION (1)

SHEET NO. 3

aepperson 4/24/2015 4:14:54 PM Y:\13-05-1891 RFP 13 D 000027 4 Walk Bike Projs Design Cypress St Corr\43271410

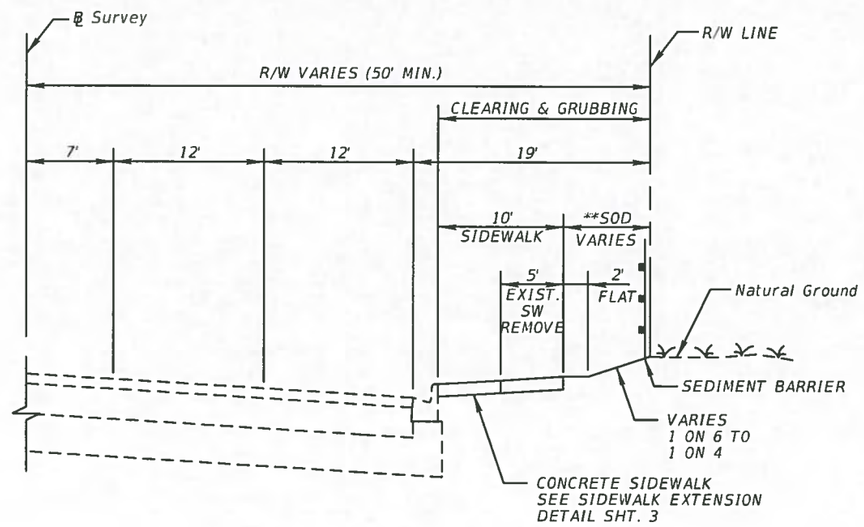


NOTE: * - REPLACE EXIST. S/W AS SHOWN ON PLANS

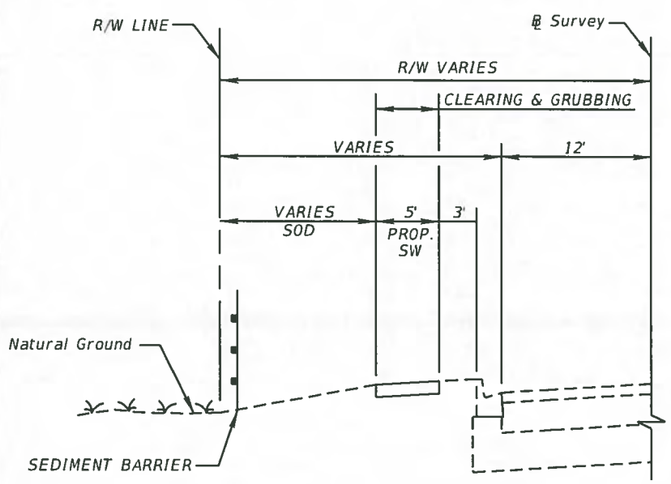
** - RESTORATION REQUIRED WHEN S/W REPLACED

*** - NO LATERAL OBSTRUCTIONS TO BE INSTALLED IN THIS AREA.

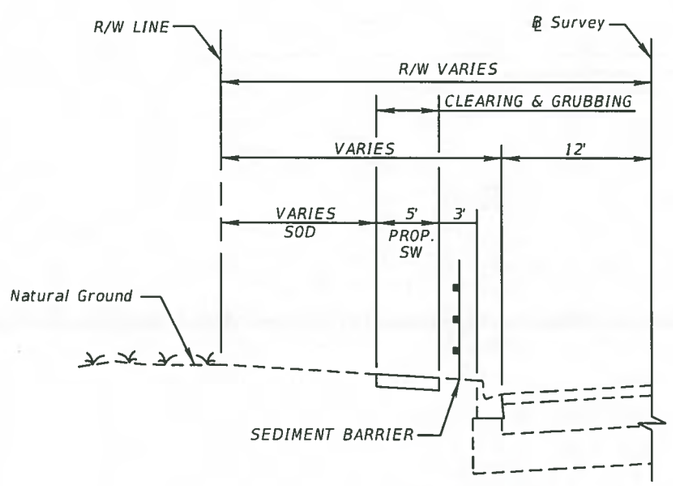
TYPICAL SECTION
W. CYPRESS AVE. *
STA. 23+00.00 TO STA. 29+50.00



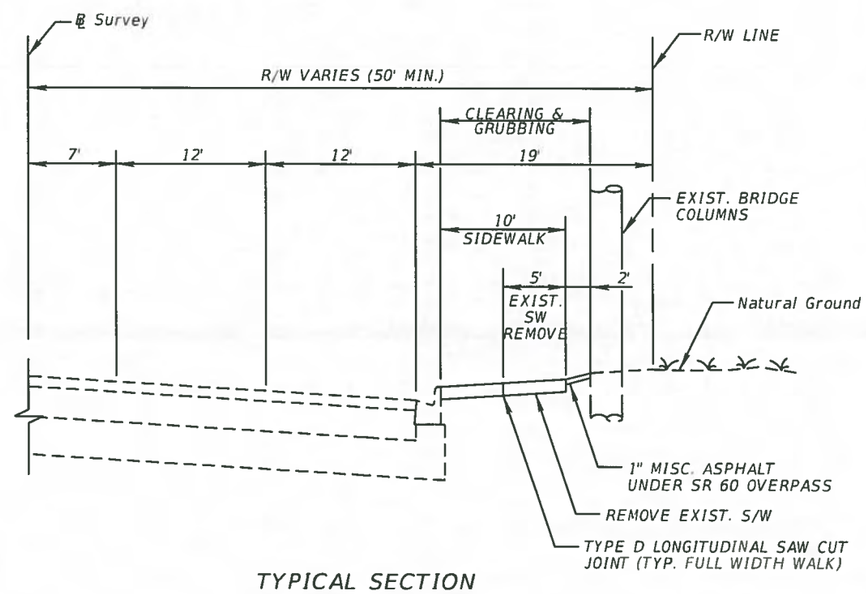
TYPICAL SECTION
W. CYPRESS AVE. *
STA. 29+50.00 TO STA. 33+50.00



TYPICAL SECTION
E. FRONTAGE RD. *
STA. 12+05.70 TO STA. 15+92.36



TYPICAL SECTION
E. FRONTAGE RD. *
STA. 10+00.00 TO STA. 12+05.70



TYPICAL SECTION
W. CYPRESS AVE. *
STA. 33+50.00 TO STA. 37+52.33

* ℄ Survey Sta. 37+52.33 W. Cypress St. = ℄ Survey Sta. 10+00.00 E. Frontage Rd.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR., STE. 101
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 00000

STATE OF FLORIDA REGISTERED ENGINEER GREGORY S. TRIM PE0052935 4/9/15

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

TYPICAL SECTION (2)

SHEET NO. 4

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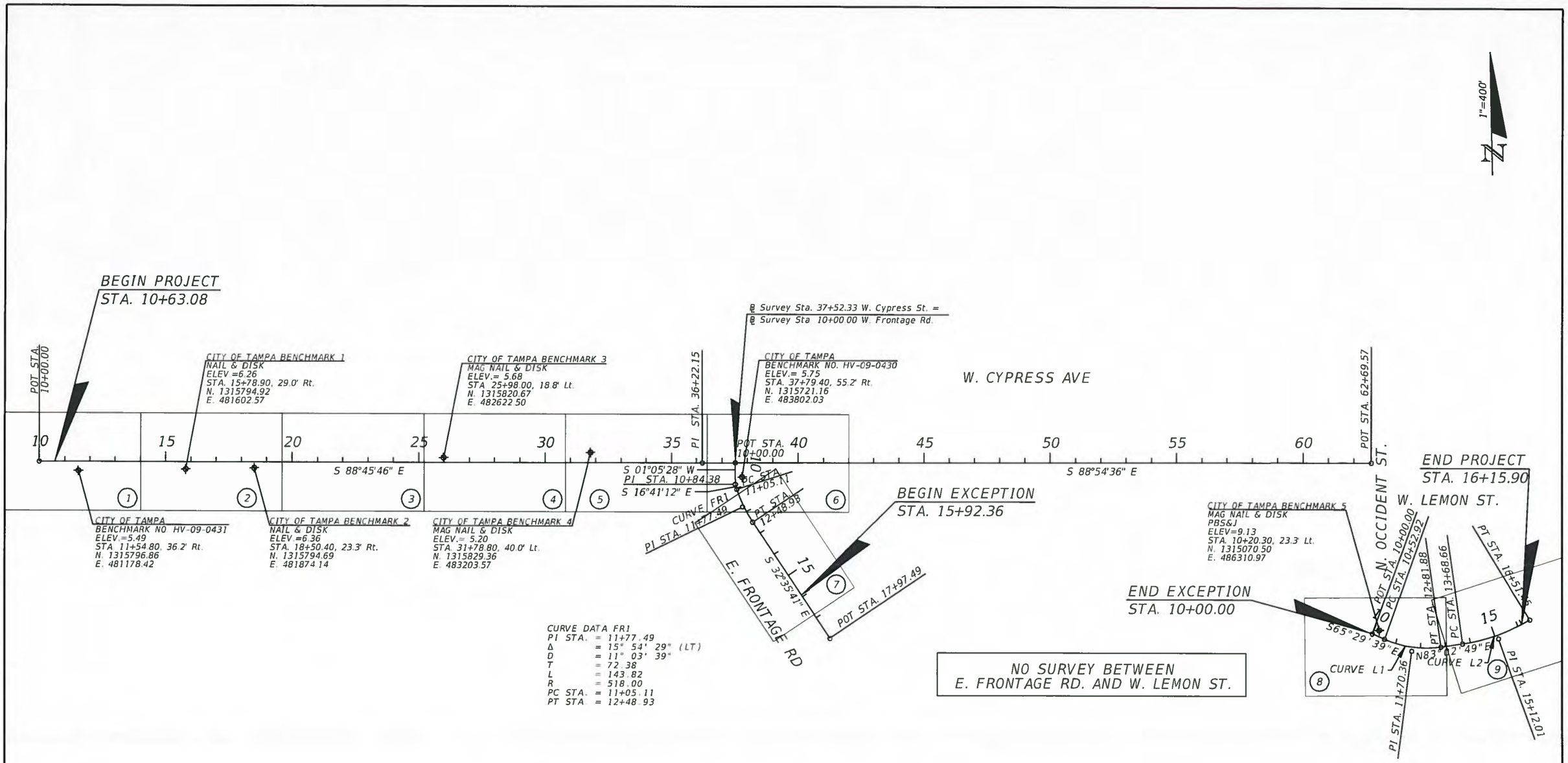


CURVE DATA FR1
PI STA. = 11+77.49
Δ = 15° 54' 29" (LT)
D = 11° 03' 39"
T = 72.38
L = 143.82
R = 518.00
PC STA. = 11+05.11
PT STA. = 12+48.93

NO SURVEY BETWEEN
E. FRONTAGE RD. AND W. LEMON ST.

CURVE DATA L1
PI STA. = 11+70.36
Δ = 31° 27' 32" (LT)
D = 13° 44' 24"
T = 117.44
L = 228.96
R = 417.00
PC STA. = 10+52.92
PT STA. = 12+81.88

CURVE DATA L2
PI STA. = 15+12.01
Δ = 23° 08' 48" (LT)
D = 8° 11' 06"
T = 143.35
L = 282.79
R = 700.00
PC STA. = 13+68.66
PT STA. = 16+51.45

GREGORY S. TRIM
CERTIFICATE
PE0052935
STATE OF FLORIDA
REGISTERED ENGINEER
5/19/15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR., SUITE 100
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30268

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

PROJECT LAYOUT (1)

SHEET NO. 5

aepperson 4/24/2015 4:14:56 PM Y:\13-05-1891 RFP 13 D 000027 4 Walk Bike Projs Design Cypress St Corr\432714100

CURVE DATA

CURVE NO.	LINE	P.C. STATION	P.I. STATION	P.T. STATION	Δ	D	T	L	R	e	DESIGN SPEED
TR1	TRCL	106+80.39	106+87.79	106+95.11	15° 20' 5.05"	104° 10' 26.92"	7.4044	14.7203	55.0000		
TR2	TRCL	106+95.35	107+08.40	107+21.32	14° 10' 22.85"	54° 34' 2.67"	13.0533	25.9734	105.0000		
TR3	TRCL	110+32.43	110+39.37	110+46.28	8° 21' 18.26"	60° 18' 40.85"	6.9389	13.8532	95.0000		
TR4	TRCL	110+46.28	110+54.26	110+62.20	8° 41' 10.58"	54° 34' 2.67"	7.9745	15.9184	105.0000		
TR5	TRCL	112+06.07	112+19.78	112+33.35	14° 53' 11.95"	54° 34' 2.67"	13.7179	27.2812	105.0000		
TR6	TRCL	112+33.35	112+59.12	112+83.69	30° 21' 36.36"	60° 18' 40.85"	25.7754	50.3390	95.0000		
TR7	TRCL	112+83.69	112+97.95	113+12.04	15° 28' 24.40"	54° 34' 2.67"	14.2651	28.3566	105.0000		
TR8	TRCL	114+83.72	114+97.34	115+10.79	15° 56' 39.54"	58° 53' 22.90"	13.6255	27.0749	97.2934		
TR9	TRCL	115+10.79	115+25.02	115+38.81	24° 42' 3.96"	88° 8' 50.47"	14.2324	28.0225	65.0000		
TR10	TRCL	115+71.26	115+79.23	115+87.16	9° 35' 7.51"	60° 18' 40.85"	7.9652	15.8932	95.0000		
TR11	TRCL	115+99.20	116+12.30	116+25.23	15° 42' 12.02"	60° 18' 40.85"	13.1007	26.0371	95.0000		
TR12	TRCL	116+25.23	116+43.08	116+60.59	19° 17' 34.24"	54° 34' 2.67"	17.8469	35.3560	105.0000		
TR13	TRCL	116+82.45	117+01.00	117+19.34	14° 34' 42.07"	39° 30' 51.59"	18.5471	36.8938	145.0000		
TR14	TRCL	117+64.03	117+95.11	118+24.46	32° 58' 21.66"	54° 34' 2.67"	31.0752	60.4256	105.0000		
TR15	TRCL	118+24.46	118+34.73	118+44.77	21° 9' 34.88"	104° 10' 26.92"	10.2729	20.3118	55.0000		
TR16	TRCL	119+64.06	119+73.25	119+82.39	9° 59' 60.00"	54° 34' 2.67"	9.1863	18.3260	105.0000		
TR17	TRCL	119+92.94	120+01.70	120+10.40	10° 31' 48.55"	60° 18' 40.85"	8.7545	17.4597	95.0000		
TR18	TRCL	123+87.58	123+95.87	124+04.12	9° 58' 27.55"	60° 18' 40.85"	8.2900	16.5380	95.0000		
TR19	TRCL	124+04.12	124+13.33	124+22.49	10° 1' 27.97"	54° 34' 2.67"	9.2089	18.3707	105.0000		

GREGORY S. TRIM
CERTIFICATE
PE0052935
STATE OF FLORIDA
REGISTERED ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER PE0052935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR., SUITE 104
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30358

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

PROJECT LAYOUT (2)

SHEET NO. 6

GENERAL NOTES

1. BEARINGS SHOWN HEREON AS (M) ARE BASED ON THE FLORIDA STATE PLAN COORDINATE SYSTEM, TRANSVERSE MERCATOR, WEST ZONE NAD 83/90 AND CONTROLLER BY NATIONAL GEODETIC SURVEY STATIONS Q-18 AND V-261.
2. ELEVATIONS ARE IN FEET AND BASED ON NAVD 88 DATUM. REFERENCE BENCHMARKS ARE CITY OF TAMPA BENCHMARKS HV-09 0431 (EL 5.485), HV-09 0430 (EL 5.747) AND HV-02 0022 (EL 8.407).
3. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
4. 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 FDOT DISTRICT 7 LOCATION SURVEYOR, ALEX W. PARNES (813) 975-6781.
5. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH, UNLESS OTHERWISE SHOWN IN THE PLANS.
6. ALL TREES PROPOSED TO BE TRIMMED, ROOT PRUNED, OR REMOVED, SHALL BE COORDINATED WITH THE CITY URBAN FORESTRY COORDINATOR, ROBERT IRVING, AT RobertIrving@tampagov.net OR AT 813-274-3100. A TREE REMOVAL PERMIT, ISSUED BY THE CITY NATURAL RESOURCES DEPARTMENT, IS REQUIRED FOR THE REMOVAL OF ALL TREES FIVE INCHES OR MORE IN DIAMETER OR THE TRIMMING OR ROOT PRUNING OF GRAND TREES. TREE REMOVAL SHALL COMPLY WITH THE CITY OF TAMPA TREE ORDINANCE.
7. ROOT PRUNING TO 8" DEPTH SHALL BE REQUIRED WHEN SUBSURFACE CONSTRUCTION IS PROPOSED WITHIN 10' OF EXISTING PROTECTED TREE SPECIES OR 6' WITHIN EXISTING PALM TREES. REFER TO CITY OF TAMPA LAND DEVELOPMENT CODE, CHAPTER 13, TREE AND LANDSCAPE CODE TECHNICAL MANUAL.
8. COORDINATE WITH THE CITY PARKS DEPARTMENT FOR THE RELOCATION OF EXISTING WOOD FENCE.
9. TREES WITHIN THE LIMITS OF THIS PROJECT THAT ARE TO REMAIN SHALL BE TRIMMED TO CONFORM TO SECTION 110, INDEX 546, AND APPLICABLE ADA REQUIREMENTS. CONTRACTOR SHALL CONSULT THE ENGINEER PRIOR TO REMOVAL OF ANY TREE OR ORNAMENTAL/DECORATIVE SHRUB WITH A TRUNK DIAMETER EXCEEDING 4 INCHES. COST TO BE INCLUDED IN STANDARD CLEARING AND GRUBBING.
10. ACCESS TO AND FROM ALL BUS STOP BOARDING AND LANDING AREAS SHALL BE MAINTAINED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE BUS STOP LOCATIONS AND ACCESS WITH THE MANAGING AGENCY, 14 DAYS PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT INTERFERE WITH NORMAL BUS OPERATIONS.
11. NO CONSTRUCTION STAGING OR STOCKPILING SHALL TAKE PLACE IN CYPRESS POINT PARK PROPERTY NOR INTERFERE WITH PARK ACCESS OR PARK ACTIVITIES.
12. SIDEWALK CURB RAMPS SHALL CONFORM TO THE SPECIAL DETAILS PROVIDED AND INDEX 304.

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL NOT EXCAVATE ANY AREAS THAT CANNOT BE SAFELY REOPENED TO TRAFFIC WITHIN THE SAME WORK PERIOD.
2. TEMPORARY SHORING MAY BE REQUIRED TO CONSTRUCT SOME SEGMENTS OF GRAVITY WALL. ALL ASSOCIATED COSTS SHALL BE INCLUDED WITH THE COST OF THE GRAVITY WALL.
3. THE CONTRACTOR SHALL USE APPROPRIATE MEASURES TO PREVENT ERIOSION AND TRANSPORT OF SEDIMENT MATERIAL TO INLETS, SURFACE DRAINS, LAKES AND WETLANDS. THE CONTRACTOR SHALL USE INLET PROTECTION SYSTEMS AND SEDIMENT BARRIERS OR OTHER APPROPRIATE MEASURES TO PREVENT ADVERSE IMPACTS TO EXISTING SURFACE WATER QUALITY.
4. THE CONTRACTOR SHALL CHECK ALL EROSION AND SILTATION CONTROL DEVICES AFTER EACH RAINFALL AND REPAIR OR REPLACE THEM AS NEEDED.
5. THE CONTRACTOR SHALL CONTROL ALL FUGITIVE DUST GENERATED BY CONSTRUCTION ACTIVITIES ON THE PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
6. THE LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AS SHOWN AND IT'S THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATIONS OF THE UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION.
7. ALL UNSUITABLE MATERIAL ENCOUNTERED DURING CONSTRUCTION, AS DETERMINED BY THE CITY CONSTRUCTION INSPECTOR, SHALL BE REMOVED AND REPLACED WITH CLEAN FILL.

STORMWATER NOTES:

1. PROPOSED SIDEWALK SHALL NOT IMPEDE HISTORICAL DRAINAGE FLOW PATTERN FROM PRIVATE PARCELS.
2. ONLY CITY OF TAMPA TYPE STRUCTURES SHALL BE PROPOSED WITHIN CITY OF TAMPA R.O.W. WITH MINIMUM 15" RCP SIZE OR EQUIVALENT. MINIMUM 1 FT COVER IS REQUIRED OVER STORM PIPES.
3. SIGNED/SEALED AS-BUILTS WITH SURVEYED ELEVATION DATA SHALL BE SUBMITTED TO CITY OF TAMPA STORMWATER ENGINEERING SECTION (ATTENTION BARBARA GRAVE).

TREE REMOVAL

TREE REMOVAL/REPLACEMENT TABLE			
TREES RETAINED DIAMETER (INCHES)	# OF TREES	MULTIPLIER FOR	TOTAL CREDITS
5" TO 7"	0	0	0
8" TO 12"	0	1	0
13" TO 19"	0	2	0
20" TO 29"	0	4	0
30" OR MORE	0	10	0
ALL PALMS	0	1	0
TOTAL	0		0
TREES REMOVED DIAMETER (INCHES)	# OF TREES	MULTIPLIER FOR	TOTAL DEBITS
5" TO 7"	1	0	0
8" TO 12"	1	1	1
13" TO 19"	3	2	6
20" TO 29"	*1	4	4
30" OR MORE	0	INCH FOR INCH	0
ALL PALMS	14	1	14
TOTAL	20		25
% REMOVED	N/A		
SEPARATE REQUIREMENTS. DON'T SUBTRACT ABOVE CREDITS. CREDIT TREES CAN ONLY BE USED TO OFFSET PLANTING REQUIREMENTS IF THEY MEET PLANTING STANDARDS.			
VUA TREE REQUIREMENTS	LF/SF	TREES REQ'D	VUA TREES
LINEAR FT. VUA ADJ. STREET FRONTAGE	0	1 PER 40 LF	0
TOTAL SQUARE FOOTAGE OF VUA	0	1 PER 1500 SF	0
VEHICLE USE AREA GREENSPACE	0	20% OF VUA	0
USE TREE REQUIREMENTS			
INSERT PROPOSED USE HERE NONE MUST PLACE "0" IF NO USE TREES REQ'D	0	1 PER 1500 SF	0
TOTAL 2" TREES REQUIRED			25

*NOTE: THE 27" HAZARDOUS/DYING OAK ON SHEET 10 IS NOT INCLUDED IN THE TREE DEBITS.

GREGORY S. TRIM CERTIFICATE PE0052935 STATE OF FLORIDA REGISTERED ENGINEER 4/24/15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR. SUITE 104
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30268

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

GENERAL NOTES (1)

SHEET NO. 7

TEMPORARY TRAFFIC CONTROL PLAN NOTES

1. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH THE LATEST EDITION OF THE FDOT DESIGN STANDARD INDEX 600 SERIES. TRAFFIC CONTROL PROCEDURES SHALL ALSO BE IN COMPLIANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION. ANY DEVIATION FROM THE STANDARDS WILL NEED TO BE SIGNED & SEALED BY A PROFESSIONAL ENGINEER AND SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO CONSTRUCTION COMMENCEMENT.

2. THE CITY REQUIRES THAT THE SUPERVISOR OR FOREMAN CONTROLLING THE WORK FOR THE CONTRACTOR ON THE PROJECT HAVE A WORK ZONE TRAFFIC CONTROL SAFETY CERTIFICATION OR TRAFFIC SUPERVISOR CERTIFICATION FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION. THE CERTIFIED SUPERVISOR SHALL BE ON THE PROJECT SITE AT ALL TIMES WHILE WORK IS BEING CONDUCTED.

3. ALL EXISTING WARNING, GUIDE, AND REGULATORY SIGNS SHALL BE MAINTAINED AT ALL TIMES. SIGNS SHALL BE RELOCATED, REMOVED, OR COVERED FOR EACH TRAFFIC PATTERN PHASE, AS APPROVED BY THE ENGINEER.

4. THE CONTRACTOR SHALL MAINTAIN STREET NAME SIGNS VISIBLE DURING CONSTRUCTION OPERATIONS IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.

5. TRAVEL LANES SHALL BE NO LESS THAN 10' IN WIDTH THROUGHOUT ALL PHASES OF CONSTRUCTION.

6. ALL LANE TAPERS AND MAINTAINED LANE LINES ADJACENT TO CONSTRUCTION AREAS SHALL BE DELINEATED WITH TYPE 1 OR 2 BARRICADES, VERTICAL PANELS, TEMPORARY DRUMS OR TEMPORARY LOW PROFILE BARRIER AS APPROVED BY THE ENGINEER.

7. THE EXACT LOCATION OF ALL SIGNS AND BARRICADES SHALL BE DETERMINED IN THE FIELD AND APPROVED BY THE ENGINEER TO MEET THE STANDARDS (INCLUDING INDEX 546), SPECIFICATIONS, AND AS NEEDED TO MEET MINIMUM SIGHT DISTANCES AS DESCRIBED IN AASHTO "POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS" AND THE CONTRACT DOCUMENTS.

8. THE CONTRACTOR SHALL NOTIFY ALL EMERGENCY AND RESCUE AGENCIES LOCATED IN THE PROJECT VICINITY IN WRITING 14 DAYS IN ADVANCE OF ANY LANE CLOSURES OR RESTRICTIONS, AND AGAIN 24 HOURS IN ADVANCE OF SAID LANE CLOSURE.

9. THE CONTRACTOR SHALL PROVIDE A DEDICATED CREW FOR THE INSTALLATION, MAINTENANCE AND REMOVAL OF THE TRAFFIC CONTROL DEVICES (I.E. BARRICADES, SIGNS, ARROW BOARDS, ETC.). THIS CREW SHALL CONSIST OF AT LEAST THREE MEMBERS OF THE CONTRACTOR'S WORK FORCE WHO'S SOLE RESPONSIBILITY WILL BE THE MAINTENANCE OF TRAFFIC CONTROL. THE CONTRACTOR SHALL FURNISH A WORK VEHICLE TO AID IN MAINTIANING THE TRAFFIC CONTROL DEVICES.

10. THE EXISTING SPEED LIMIT SHALL BE MAINTAINED AT ALL TIMES.

11. THE CONTRACTOR SHALL MAINTAIN DRAINAGE THROUGHOUT ALL PHASES OF CONSTRUCTION. ALL COSTS REQUIRED TO MAINTAIN DRAINAGE SHALL BE INCLUDED IN PAY ITEM 102-1.

12. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN RELOCATING SIGNS FOR TCP PURPOSES. ANY SIGNS DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

13. THE CONTRACTOR SHALL ENSURE CONTINUOUS OPERATION OF THE EXISTING HIGHWAY LIGHTING SYSTEM. COST SHALL BE INCLUDED IN 102-1.

14. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 7 DAYS IN ADVANCE OF ANY DETOURS.

TEMPORARY TRAFFIC CONTROL PLAN PHASE NOTES

PHASE 1: INCLUDES THE CONSTRUCTION OF CONCRETE SIDEWALK AND CONCRETE CURB RAMPS ALONG CYPRESS STREET, EAST FRONTAGE ROAD, AND LEMON STREET.

1. MAINTAIN PEDESTRIAN ACCESS PER INDEX 660.

2. REMOVE EXISTING TREES IDENTIFIED IN THE PLANS FOR REMOVAL. CLEAR AND GRUB ALL CONFLICTING LANDSCAPING AND CAP AND PLUG CONFLICTING IRRIGATION. ROOT PRUNE EXISTING TREES AS REQUIRED.

3. CONSTRUCT GRAVITY WALL, CONCRETE SIDEWALK, AND SIDEWALK CURB RAMPS UTILIZING INDICES 601 THRU 603 and 605.

4. CONSTRUCT DECORATIVE CROSSWALK PATTERNED PAVEMENT UTILIZING INDEX 604.

5. SIDEWALKS SHALL BE RE-OPENED TO PEDESTRIANS IMMEDIATELY UPON THE COMPLETION OF SIDEWALK AND CURB RAMP CONSTRUCTION.

PHASE 2: INCLUDES THE INSTALLATION OF SIGNING AND PAVEMENT MARKINGS.

1. UPON COMPLETION OF ALL OTHER CONSTRUCTION, INSTALL FINAL PAVEMENT MARKINGS AND SIGNS AND REMOVE TEMPORARY TRAFFIC CONTROL DEVICES.

GREGORY S. TRIM
CERTIFICATE
PE0052935
STATE OF FLORIDA
REGISTERED ENGINEER
5/19/15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR., SUITE 1
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 8666

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

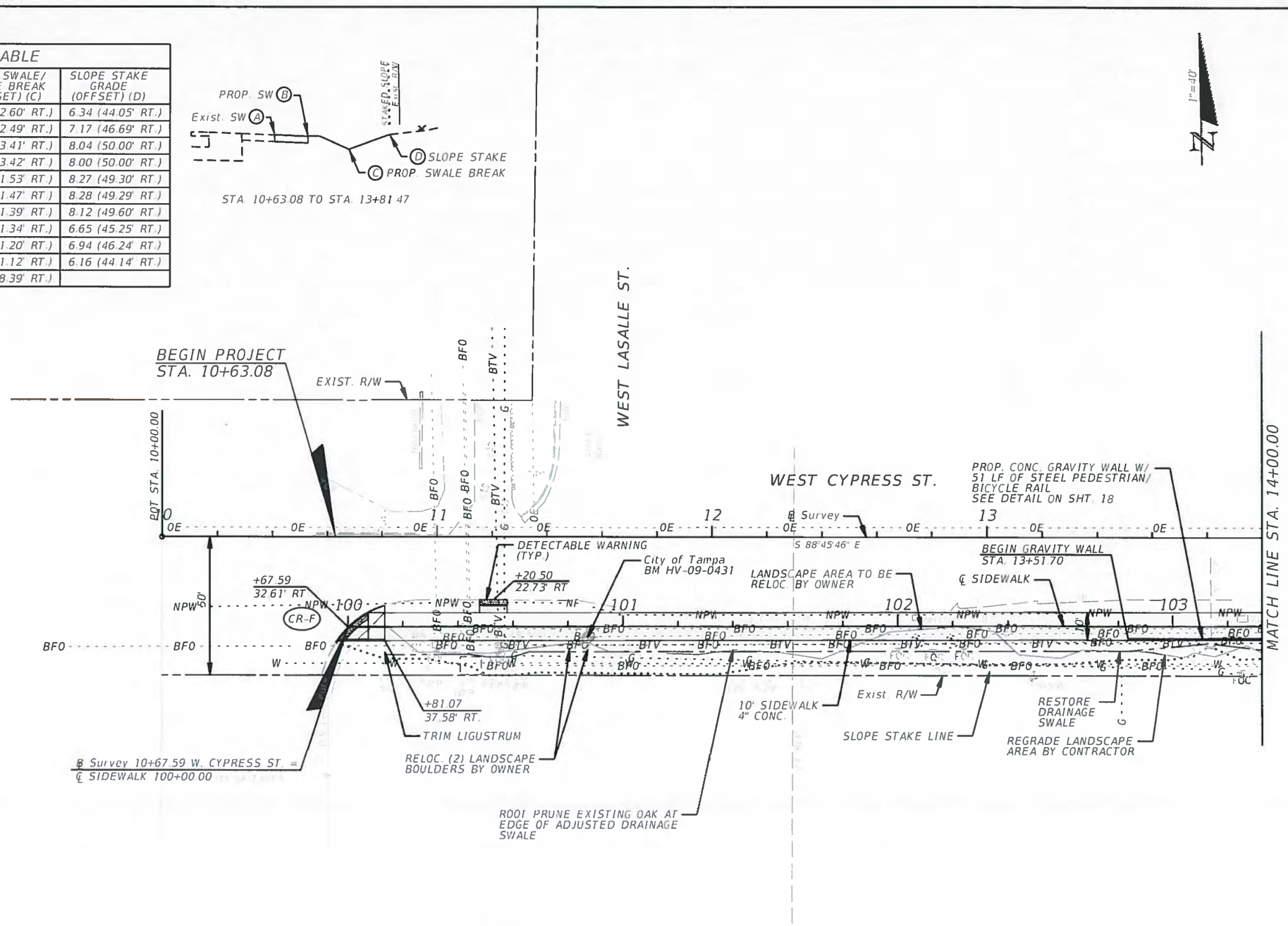
GENERAL NOTES (2)

SHEET NO. 8

SIDEWALK GRADE TABLE

℄ Survey STA	Exist. SW GRADE (A)	PROP. EDGE/ SHLDR (B)	PROP. SWALE/ GRADE BREAK (OFFSET) (C)	SLOPE STAKE GRADE (OFFSET) (D)
10+81.13	6.20	6.10	5.90 (42.60' RT.)	6.34 (44.05' RT.)
11+11.62	6.05	5.95	5.75 (42.49' RT.)	7.17 (46.69' RT.)
11+18.58	6.02	5.92	5.73 (43.41' RT.)	8.04 (50.00' RT.)
11+27.58	6.00	5.90	5.70 (43.42' RT.)	8.00 (50.00' RT.)
11+33.57	6.00	5.90	5.68 (41.53' RT.)	8.27 (49.30' RT.)
11+62.13	5.95	5.85	5.60 (41.47' RT.)	8.28 (49.29' RT.)
12+01.67	5.90	5.80	5.50 (41.39' RT.)	8.12 (49.60' RT.)
12+31.66	5.87	5.77	5.43 (41.34' RT.)	6.65 (45.25' RT.)
13+01.19	5.82	5.72	5.26 (41.20' RT.)	6.94 (46.24' RT.)
13+51.15	5.91	5.81	5.14 (41.12' RT.)	6.16 (44.14' RT.)
13+81.47	5.86	5.76	4.33 (38.39' RT.)	

STA. 10+63.08 TO STA. 13+81.47



LEGEND

- PROPOSED CONCRETE SIDEWALK
- EXISTING SIDEWALK TO BE REMOVED

GREGORY S. TRIM CERTIFICATE PE0052935 STATE OF FLORIDA REGISTERED ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR., SUITE 100
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30266

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

WEST CYPRESS ST.
ROADWAY PLAN (1)

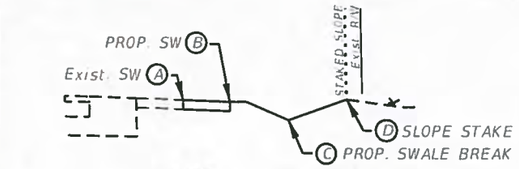
SHEET NO. 9

Jepperson 4/24/2015 4:15:16 PM Y:\13-05 1891 RFP 13 D 000027 4 Walk Bike Projs Design Cypress St Corr\43271-410

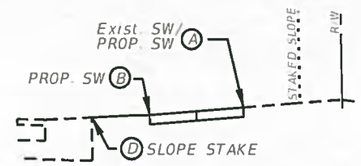
SIDEWALK GRADE TABLE

℄ Survey STA	Exist. SW GRADE (A)	PROP. EDGE/ SHLDR (B)	PROP. SWALE/ GRADE BREAK (OFFSET) (C)	SLOPE STAKE GRADE (OFFSET) (D)
14+02.53	5.90	5.80	5.47 (40.89' RT.)	6.15 (43.55' RT.)
14+52.52	6.02	5.92	5.55 (40.81' RT.)	6.33 (43.11' RT.)
15+02.80	6.17	6.07	5.64 (40.67' RT.)	8.25 (48.44' RT.)
15+52.23	6.00	6.10	5.72 (40.53' RT.)	7.88 (46.96' RT.)
16+02.59	6.25	6.15	5.81 (40.39' RT.)	7.37 (45.10' RT.)
16+52.27	6.25	6.15	5.89 (40.25' RT.)	7.12 (43.91' RT.)
16+84.88	6.14 (P, LT)	6.04 (RT)	5.94 (40.16' RT.)	6.61 (42.78' RT.)
17+60.83	6.56 (P, RT)	6.46 (LT)		6.14 (24.58' RT.)
17+75.60	6.85 (P, RT)	6.65 (LT)		5.93 (25.04' RT.)
17+88.56	6.88 (P, RT)	6.68 (LT)		5.87 (25.55' RT.)
18+13.67	6.72	6.62		6.15 (27.26' RT.)
18+55.13	6.43	6.33		6.33 (28.00' RT.)
19+10.09	6.46 (P, RT)	6.26 (LT)		5.24 (23.75' RT.)
19+50.76	6.45 (P, RT)	6.25 (LT)		5.54 (25.54' RT.)

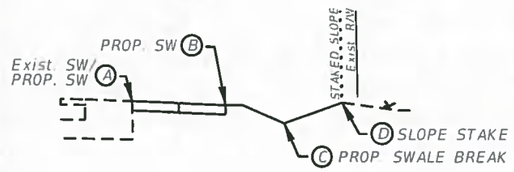
P - PROPOSED SIDEWALK FULL WIDTH (10')



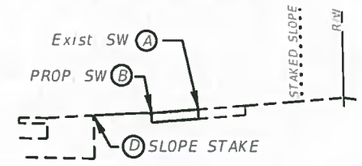
STA. 14+02.53 TO STA. 16+52.27



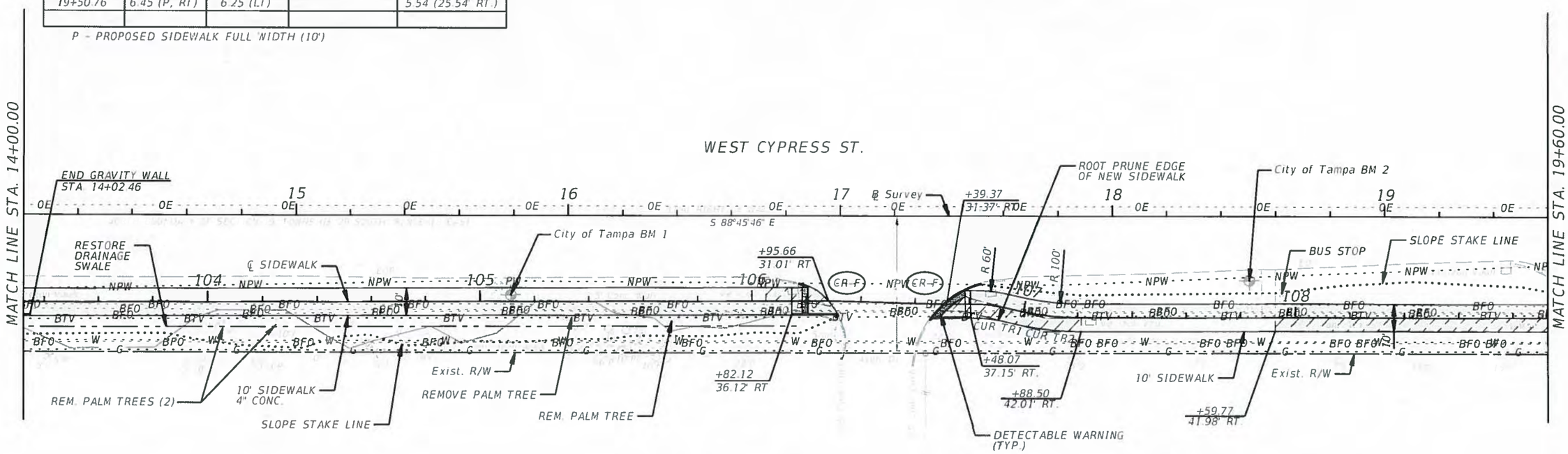
STATIONS 17+60.83, 17+75.60, 17+88.56, 19+10.09, AND 19+50.76



STA. 16+84.88



STA. 18+13.67 AND STA. 18+55.13



LEGEND

- PROPOSED CONCRETE SIDEWALK
- EXISTING SIDEWALK TO BE REMOVED

GREGORY S. TRIM
CERTIFICATE
PE0052935
STATE OF FLORIDA
REGISTERED ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DRIVE
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 0020

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANCIAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

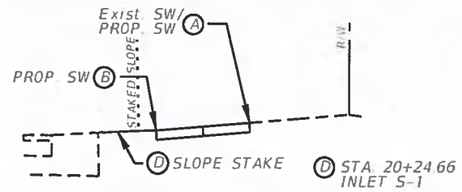
WEST CYPRESS ST. ROADWAY PLAN (2)

SHEET NO. 10

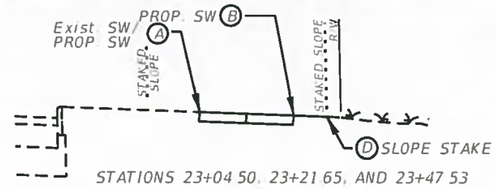
SIDEWALK GRADE TABLE

℄ Survey STA.	Exist. SW GRADE (A)	PROP. EDGE/ SHLDR (B)	PROP. SWALE GRADE BREAK (OFFSET) (C)	SLOPE STAKE GRADE (OFFSET) (D)
19+60.17	6.43 (P, RT)	6.23 (LT)		5.80 (27.22' RT.)
20+09.83	6.08 (P, RT)	6.00 (LT)		5.66 (29.23' RT.)
20+24.66	5.98 (P, RT)	5.78 (LT)	GB 5.45 (29.35' RT.)	3.86 (21.80' RT.)
20+55.00	5.70	5.62		5.32 (29.54' RT.)
20+99.65	5.81 (P, RT)	5.71 (LT)		5.37 (29.79' RT.)
21+55.26	5.80 (P, RT)	5.60 (LT)		4.66 (28.35' RT.)
22+06.00	4.90 (P, RT)	4.80 (LT)		4.45 (31.92' RT.)
22+60.00	4.50 (P, RT)	4.45 (LT)		4.39 (26.00' RT.)
22+85.00	4.54 (P, RT)	4.44 (LT)		4.30 (26.00' RT.)
23+04.50	5.00 (P, LT)	4.80 (RT)		4.63 (45.00' RT.)
23+21.65	4.70 (P, LT)	4.50 (RT)		4.20 (43.30' RT.)
23+47.53	4.65 (P, RT)	4.80 (LT)		4.38 (46.50' RT.)
23+97.00	4.75 (P, RT)	4.65 (LT)		
25+11.70	4.89 (RT)	4.93 (LT)		4.57 (32.26' RT.)

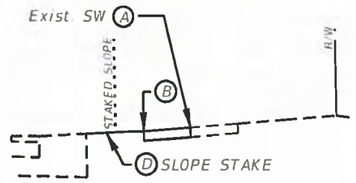
P - PROPOSED SIDEWALK FULL WITH (10')



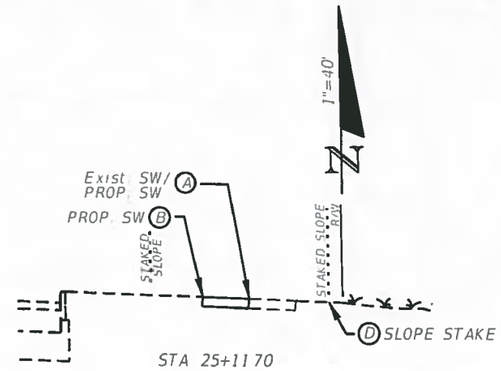
STATIONS 19+60.17, 20+09.83, 20+24.66, 20+99.65, 21+55.26, 22+06.00, 22+60.00, AND 23+97.00



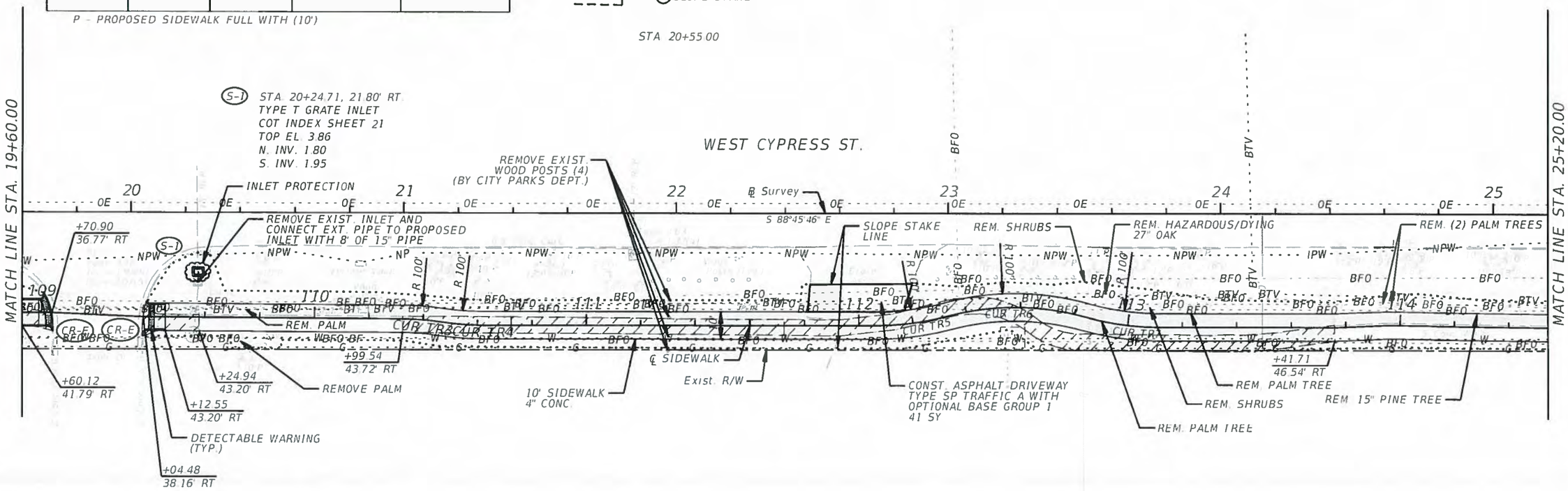
STATIONS 23+04.50, 23+21.65, AND 23+47.53



STA. 20+55.00



STA. 25+11.70



LEGEND

- PROPOSED CONCRETE SIDEWALK
- EXISTING SIDEWALK TO BE REMOVED

GREGORY S. TRIM
CERTIFICATE
PE0052935
STATE OF FLORIDA
REGISTERED ENGINEER
5/19/15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER PE0052935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR., SUITE 104
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30268

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

WEST CYPRESS ST. ROADWAY PLAN (3)

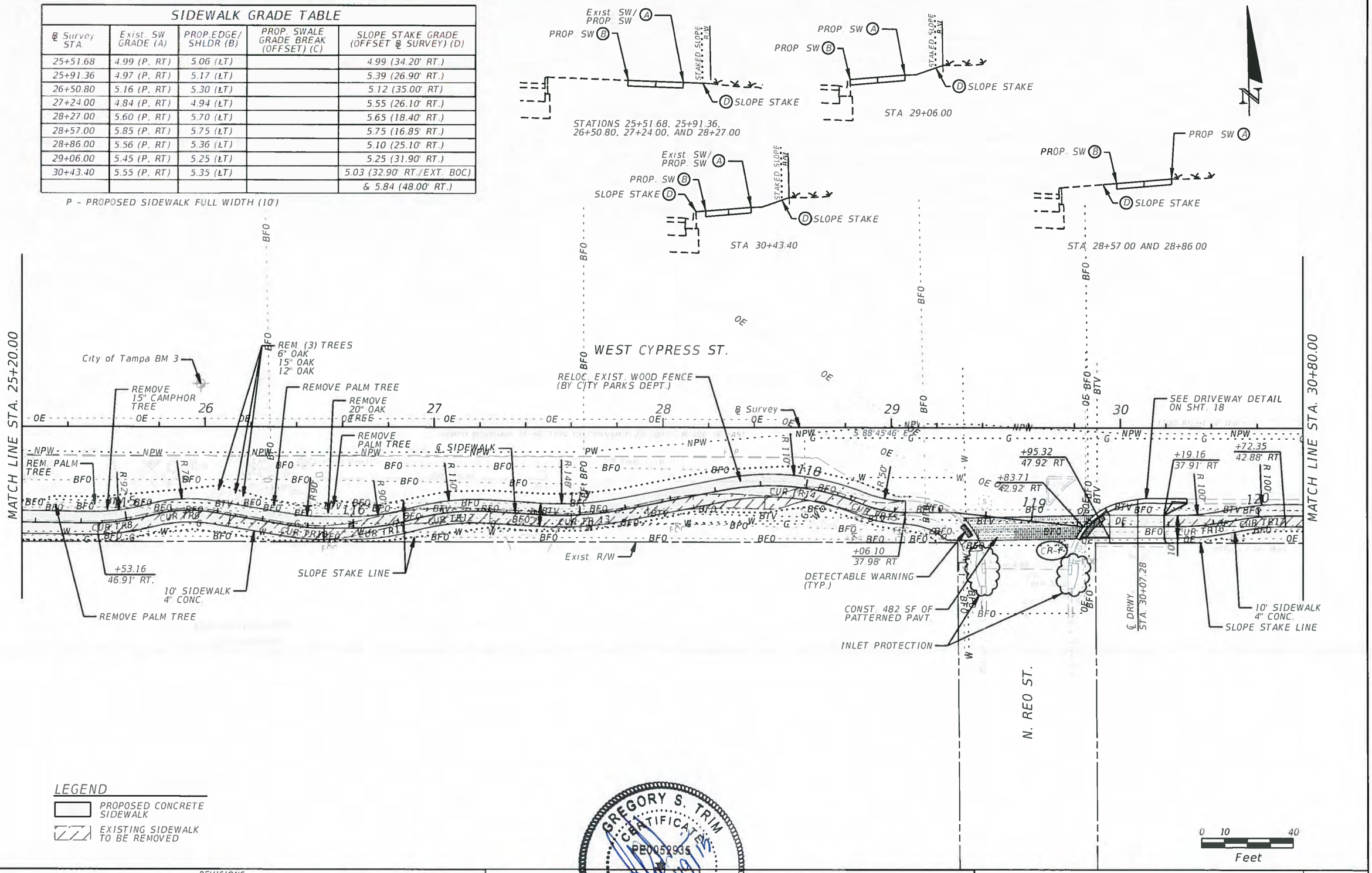
SHEET NO. 11

Jepperson 4/24/2015 4:15:38 PM Y:\13-05-1891 RFP 13 D 000027 4 Walk Bike Projs Design Cypress St Corr\432714-1-10

SIDEWALK GRADE TABLE

℄ Survey STA.	Exist. SW GRADE (A)	PROP. EDGE/ SHLDR (B)	PROP. SWALE GRADE BREAK (OFFSET) (C)	SLOPE STAKE GRADE (OFFSET ℄ SURVEY) (D)
25+51.68	4.99 (P, RT)	5.06 (LT)		4.99 (34.20' RT.)
25+91.36	4.97 (P, RT)	5.17 (LT)		5.39 (26.90' RT.)
26+50.80	5.16 (P, RT)	5.30 (LT)		5.12 (35.00' RT)
27+24.00	4.84 (P, RT)	4.94 (LT)		5.55 (26.10' RT.)
28+27.00	5.60 (P, RT)	5.70 (LT)		5.65 (18.40' RT.)
28+57.00	5.85 (P, RT)	5.75 (LT)		5.75 (16.85' RT.)
28+86.00	5.56 (P, RT)	5.36 (LT)		5.10 (25.10' RT.)
29+06.00	5.45 (P, RT)	5.25 (LT)		5.25 (31.90' RT.)
30+43.40	5.55 (P, RT)	5.35 (LT)		5.03 (32.90' RT./EXT. BOC)
				& 5.84 (48.00' RT.)

P - PROPOSED SIDEWALK FULL WIDTH (10')



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52936
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR., SUITE 1
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 8288

GREGORY S. TRIM CERTIFICATE NO. PE0052936 STATE OF FLORIDA REGISTERED ENGINEER

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

WEST CYPRESS ST. ROADWAY PLAN (4)

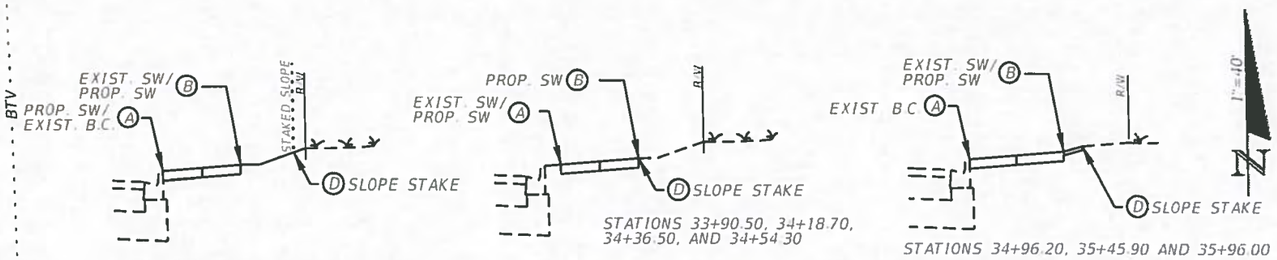
SHEET NO. 12

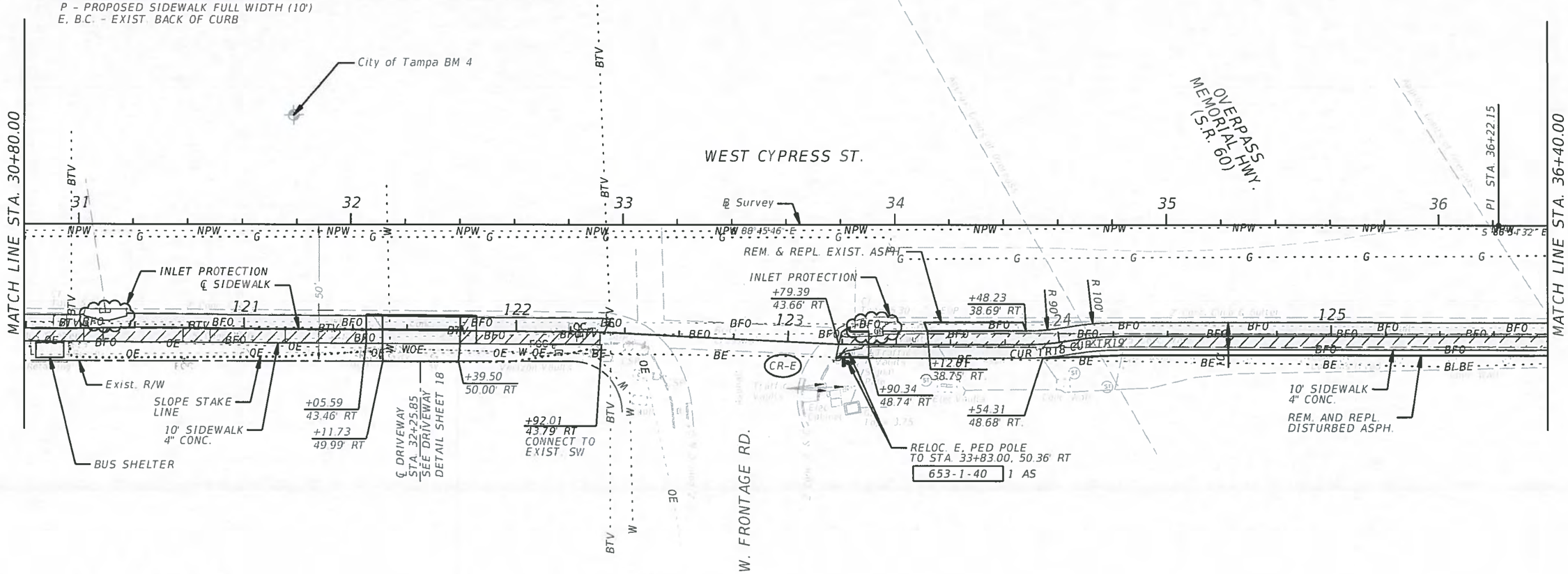
Jepperson 4/24/2015 4:15:49 PM Y:\13-05-1891 RFP 13 D 000027 4 Walk Bike Projs Design Cypress St Cor\432714-1-

SIDEWALK GRADE TABLE

℄ Survey STA	E, SW/B.C. GRADE (A)	PROP. EDGE/ SHLDR (B)	PROP. SWALE GRADE BREAK (OFFSET) (C)	SLOPE STAKE GRADE (OFFSET ℄ Survey) (D)
30+90.00	5.00 (E, B.C.)	5.20 (RT)		5.20 (43' RT/BUS PAD)
31+11.00	5.01 (E, Inlet Top)	5.16 (RT)		5.80 (48.90' RT.)
31+38.00	4.91 (E, B.C.)	5.11 (RT)		5.72 (48.70' RT.)
31+76.00	4.93 (E, B.C.)	5.13 (RT)		5.66 (48.50' RT.)
32+59.00	5.11 (E, B.C.)	5.33 (RT)		6.38 (49.00' RT.)
32+91.00	5.14 (E, B.C.)	5.29 (RT)		5.29 (43.90' RT.)
33+90.50	5.26 (P, LT)	5.38 (RT)		5.38 (48.85' RT.)
34+18.70	5.56 (P, LT)	5.76 (RT)		5.76 (48.75' RT.)
34+36.50	5.62 (P, LT)	5.82 (RT)		5.82 (48.71' RT.)
34+54.30	5.68 (P, LT)	5.88 (RT)		5.88 (48.67' RT.)
34+96.20	5.44 (E, B.C.)	5.64 (RT)		5.93 (47.70' RT.)
35+45.90	5.64 (E, B.C.)	5.84 (RT)		5.97 (47.70' RT.)
35+96.00	5.76 (E, B.C.)	5.96 (RT)		6.19 (47.70' RT.)

P - PROPOSED SIDEWALK FULL WIDTH (10')
E, B.C. - EXIST. BACK OF CURB





LEGEND

- PROPOSED CONCRETE SIDEWALK
- EXISTING SIDEWALK TO BE REMOVED

GREGORY S. TRIM
CERTIFICATE
PE0052935
STATE OF FLORIDA
REGISTERED ENGINEER
5/19/15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52936
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR., SUITE 104
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30268

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

WEST CYPRESS ST.
ROADWAY PLAN (5)

SHEET NO. 13

SIDEWALK GRADE TABLE

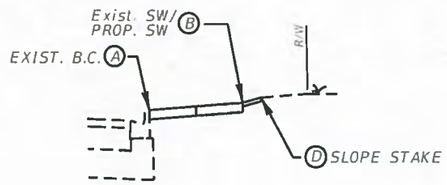
℄ Survey STA	Exist. SW/B.C. GRADE (A)	PROP. EDGE/ SHLDR (B)	PROP. SWALE GRADE BREAK (OFFSET) (C)	SLOPE STAKE GRADE (OFFSET) (D)
36+45.60	5.84 (E. B.C.)	6.04 (RT)		6.21 (47.70' RT.)
36+93.10	5.91 (E. B.C.)	6.11 (RT)		6.11 (46.10' RT.)
37+04.00	5.92 (E. B.C.)	5.98 (RT)		5.98 (45.80' RT.)

E. B.C. - EXIST. BACK OF CURB

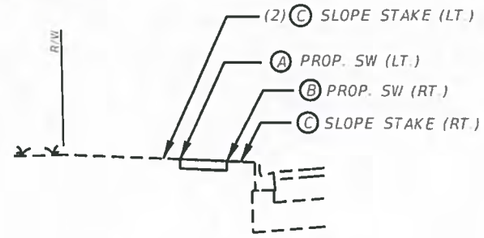
SIDEWALK GRADE TABLE

℄ Survey STA	PROP. SW GRADE LEFT (A)	PROP. SW GRADE RIGHT (B)	SLOPE STAKE GRADE (OFFSET SW EDGE) (C)
10+56.70	6.35 (E. Gr.)	6.25	5.80 (2.70' RT.)
10+73.30	6.16	6.06 (E. Gr.)	6.36 (1.20' LT.)
11+06.80	6.35 (E. Gr.)	6.25	6.14 (0.70' RT.)

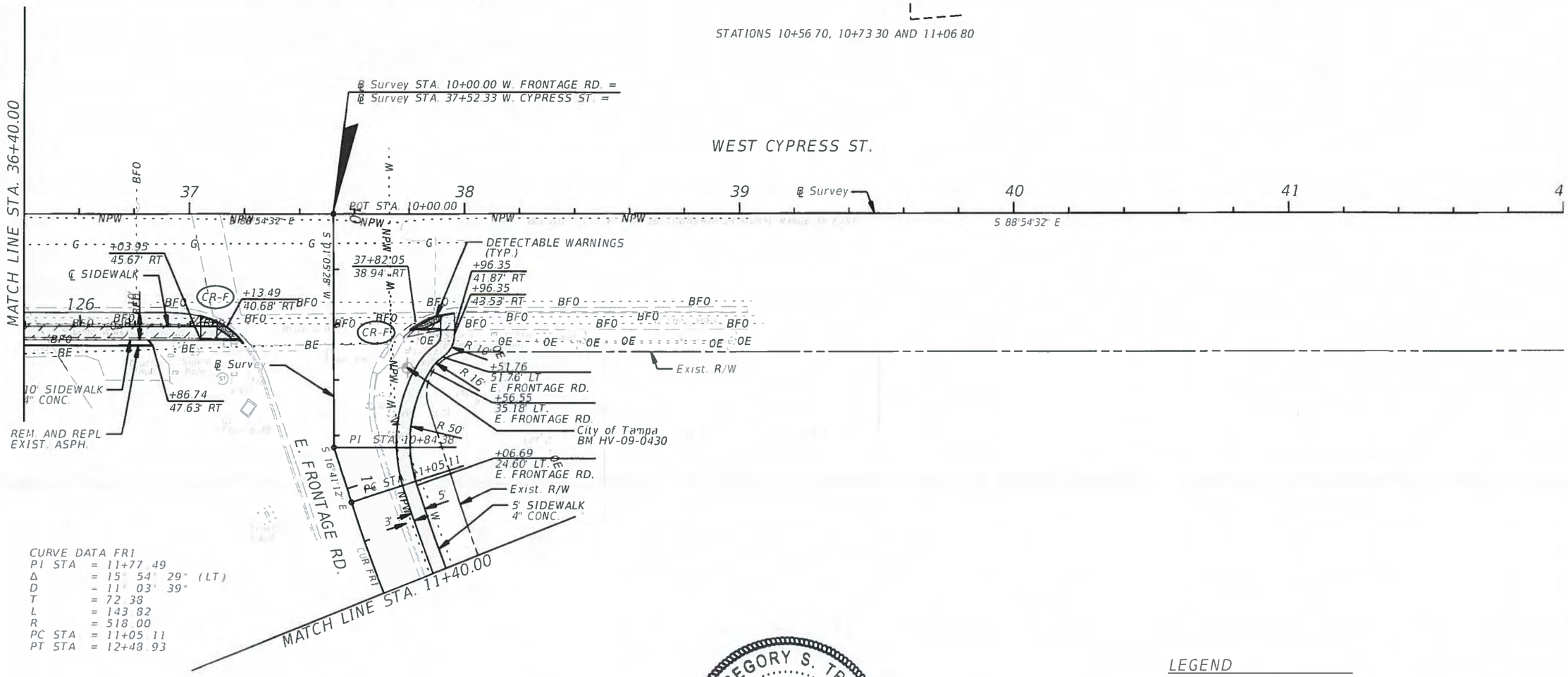
E. Gr. - EXIST. GRADE



STATIONS 36+45.60, 36+93.10 AND 37+04.00



STATIONS 10+56.70, 10+73.30 AND 11+06.80



CURVE DATA FR1
PI STA = 11+77.49
Δ = 15° 54' 29" (LT)
D = 11° 03' 39"
T = 72.38
L = 143.82
R = 518.00
PC STA = 11+05.11
PT STA = 12+48.93

LEGEND

- PROPOSED CONCRETE SIDEWALK
- EXISTING SIDEWALK TO BE REMOVED

GREGORY S. TRIM CERTIFICATE PE0052935 STATE OF FLORIDA REGISTERED ENGINEER 5/19/15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR. SUITE 105
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30268

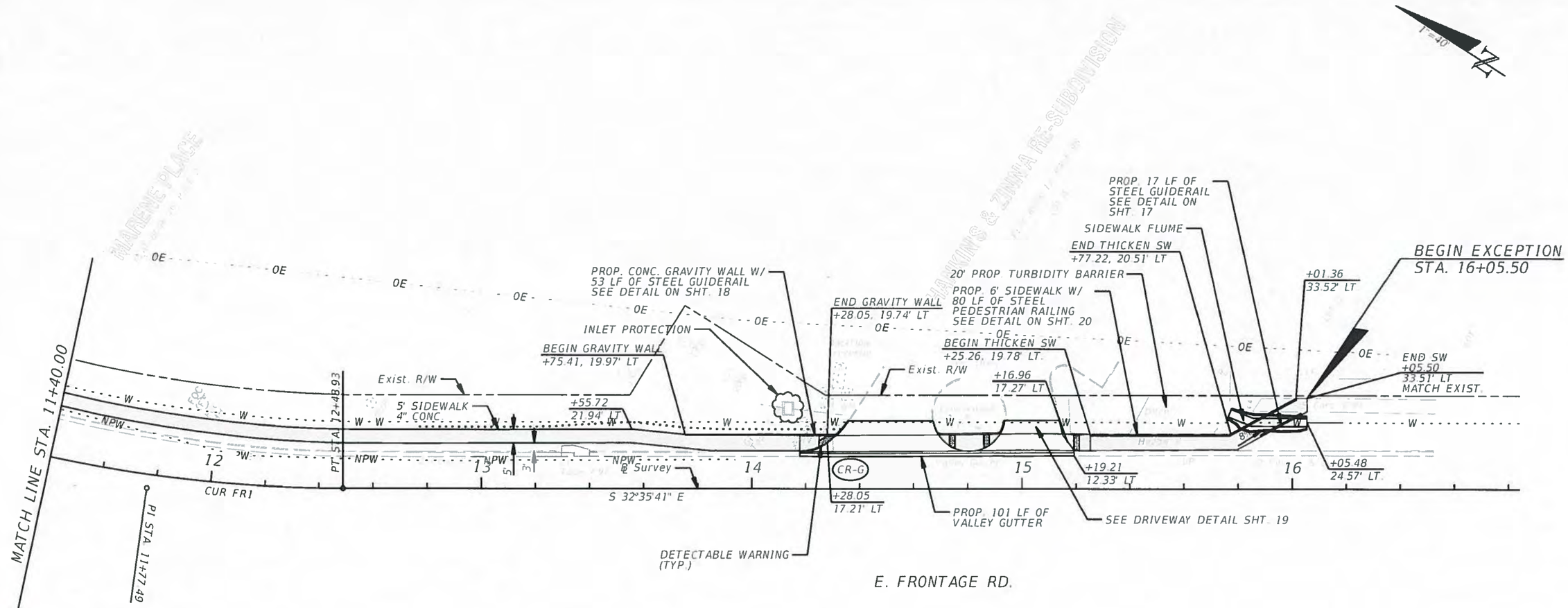
CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

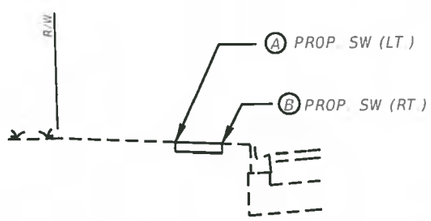
WEST CYPRESS ST.
ROADWAY PLAN (6)

SHEET NO. 14

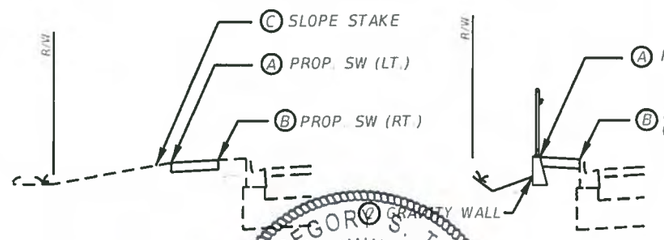
Jeppe'son 4/24/2015 4:16:10 PM Y:\13-05-1891 RFP 13 D 000027 4 Walk Bike Projs Design Cypress St Corr\432714-1-10



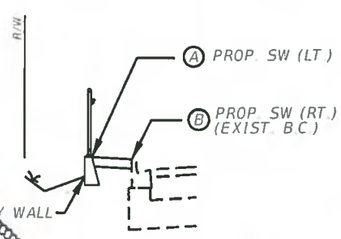
CURVE DATA FR1
PI STA. = 11+77.49
Δ = 15° 54' 29" (LT)
D = 11° 03' 39"
T = 72.38
L = 143.82
R = 518.00
PC STA. = 11+05.11
PT STA. = 12+48.93



STATIONS 11+55.50 AND 12+05.70



STATIONS 12+48.00, 12+[illegible].00, 13+00.00,
13+33.90, AND 13+55.40



STA. 13+75.40 AND 13+87.60

LEGEND

- PROPOSED CONCRETE SIDEWALK
- EXISTING SIDEWALK TO BE REMOVED

SIDEWALK GRADE TABLE

℄ Survey STA.	PROP. SW GRADE LEFT (A)	PROP. SW GRADE RIGHT (B)	SLOPE STAKE GRADE (OFFSET SW EDGE) (C)
11+55.50	6.64 (E. Gr.)	6.54 (E. Gr.)	
12+05.70	6.90 (E. Gr.)	6.86 (E. Gr.)	
12+48.00	7.04 (E. Gr.)	7.14 (E. Gr.)	
12+77.00	7.27	7.37 (E. Gr.)	7.20 (0.30' LT.)
13+00.80	7.45	7.55 (E. Gr.)	7.38 (0.30' LT.)
13+33.90	7.87	7.97 (E. Gr.)	7.36 (1.60' LT.)
13+55.40	7.70	7.80 (E. Gr.)	7.16 (1.80' LT.)
13+75.40	8.38	8.28 (E. Gr.)	7.50 (GRAVITY WALL)
13+87.60	8.48	8.36 (E. B.C.)	7.06 (GRAVITY WALL)

E. Gr. - EXIST. GRADE
E. B.C. - EXIST. BACK OF CURB

GREGORY S. TRIM
CERTIFICATE
E55052945
STATE OF FLORIDA
REGISTERED ENGINEER
5/19/15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 55052
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR. SUITE 104
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30268

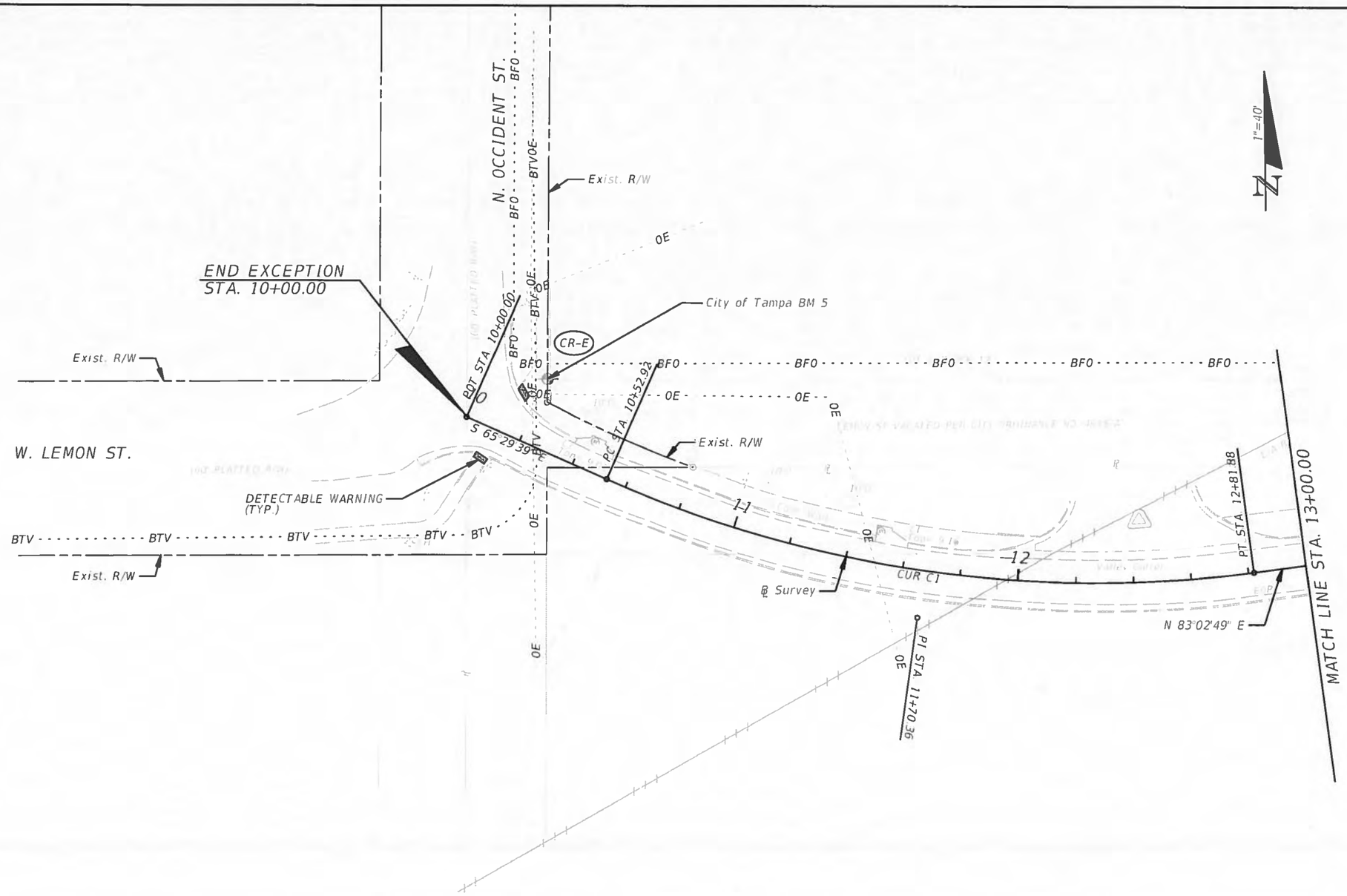
CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

E. FRONTAGE RD. ROADWAY PLAN (7)

SHEET NO. 15

Jepperson 4/24/2015 4:43:07 PM Y:\13-05-1891 RFP 13 D 000027 4 Walk Bike Projs Design Cypress St Corr\13271-110



CURVE DATA L1
PI STA = 11+70.36
Δ = 31° 27' 32" (LT)
D = 13° 44' 24"
T = 117.44
L = 228.96
R = 417.00
PC STA = 10+52.92
PT STA = 12+81.88

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR. SUITE
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION

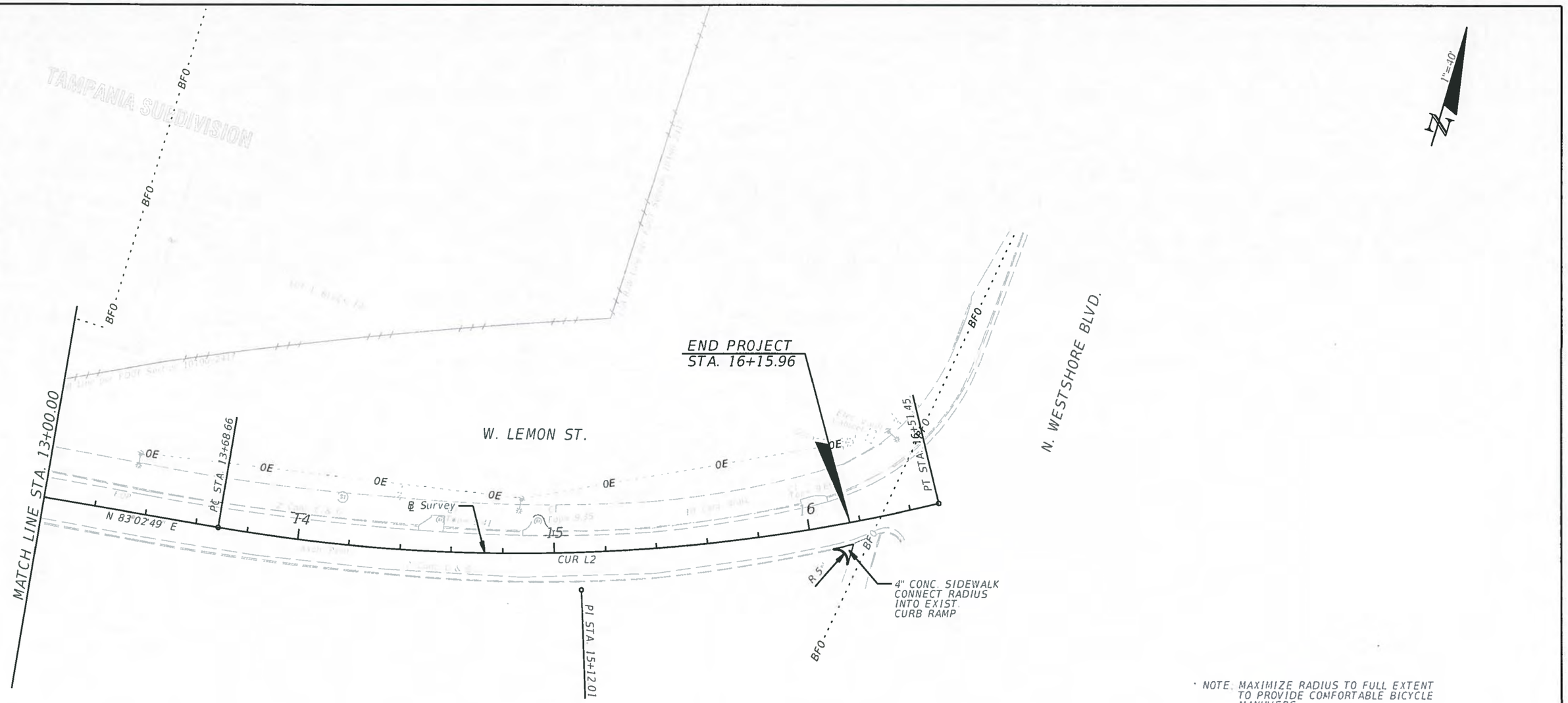
GREGORY S. TRIM CERTIFICATE PE0052935 STATE OF FLORIDA REGISTERED ENGINEER

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

W. LEMON ST.
ROADWAY PLAN (8)

SHEET NO. 16



NOTE: MAXIMIZE RADIUS TO FULL EXTENT TO PROVIDE COMFORTABLE BICYCLE MANUVERS

CURVE DATA L2
PI STA = 15+12.01
Δ = 23°
D = 8
T =
L =
R = 700.00
PC STA = 13+68
PT STA = 16+51

GREGORY S. TRIM
CERTIFICATE
STATE OF FLORIDA
REGISTERED ENGINEER
5/19/15

0 10 40
Feet

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

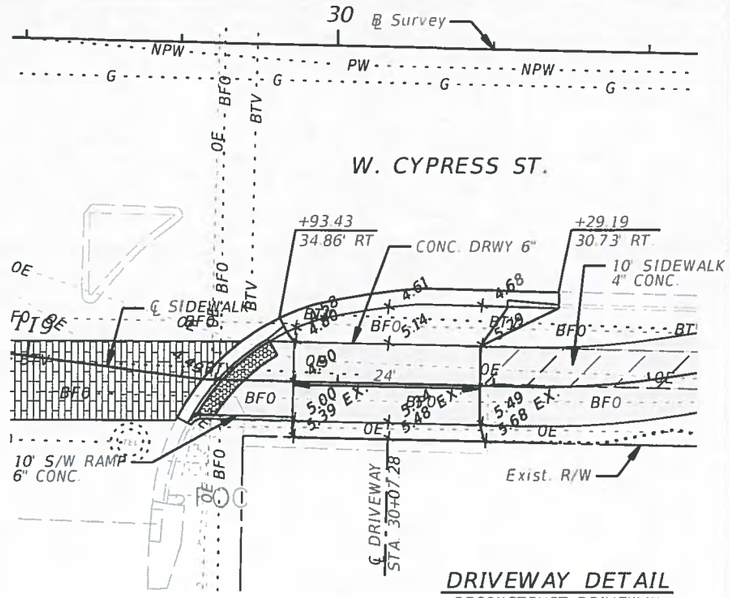
GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR., SUITE 100
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 0026

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

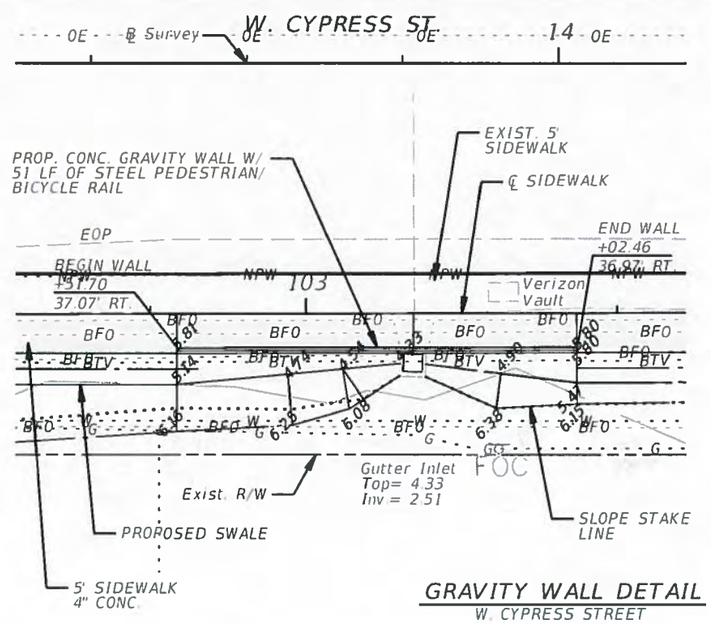
W. LEMON ST.
ROADWAY PLAN (9)

SHEET NO. 17



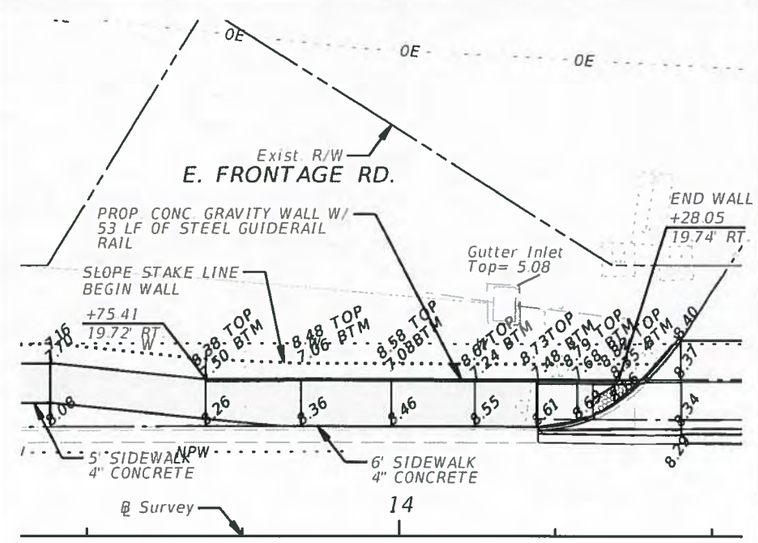
DRIVEWAY DETAIL

RECONSTRUCT DRIVEWAY
WITH 6" CONCRETE



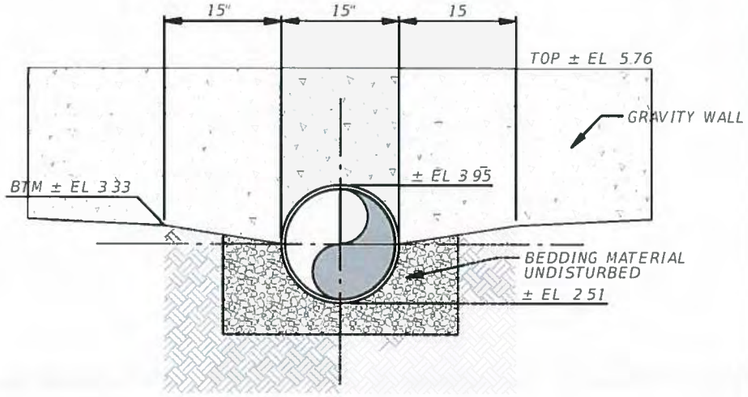
GRAVITY WALL DETAIL

W. CYPRESS STREET
PLAN VIEW (1:20)
STA. 13+80 +/-



GRAVITY WALL DETAIL

E. FRONTAGE ROAD
PLAN VIEW (1:20)
STA. 14+00 +/-

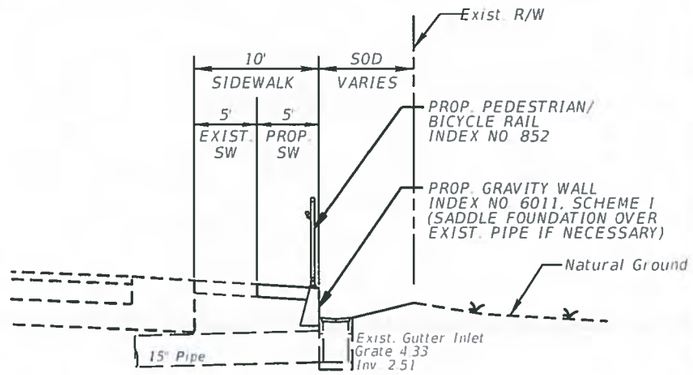


NOTES:

1. WRAP ENTIRE LENGTH OF PIPE TO BE EXPOSED WITH 6 MIL POLYETHYLENE PLASTIC SHEETING.

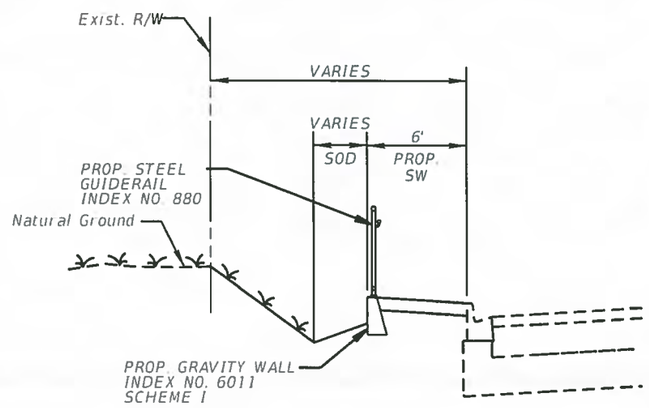
CONCRETE ARCH ENCASEMENT

(N.T.S.)



GRAVITY WALL DETAIL

W. CYPRESS STREET
TYPICAL SECTION (N.T.S.)
STA. 13+80 +/-



GRAVITY WALL DETAIL

E. FRONTAGE ROAD
TYPICAL SECTION (N.T.S.)
STA. 14+00 +/-

GREGORY S. TRIM
CERTIFICATE
PE0052935
STATE OF FLORIDA
REGISTERED ENGINEER

DRIVEWAY AND GRAVITY WALL SPECIAL DETAILS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

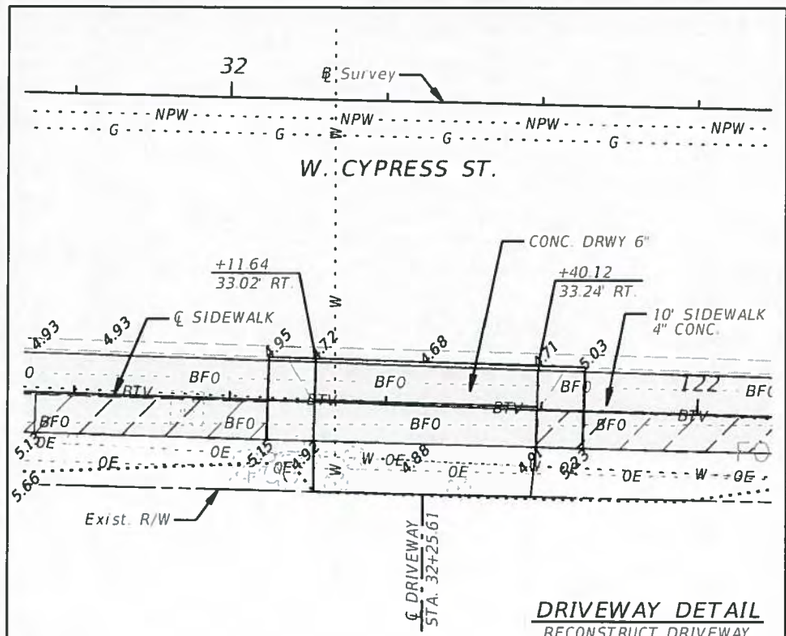
GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER [illegible]
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DRIVE, SUITE 104
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION [illegible]

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

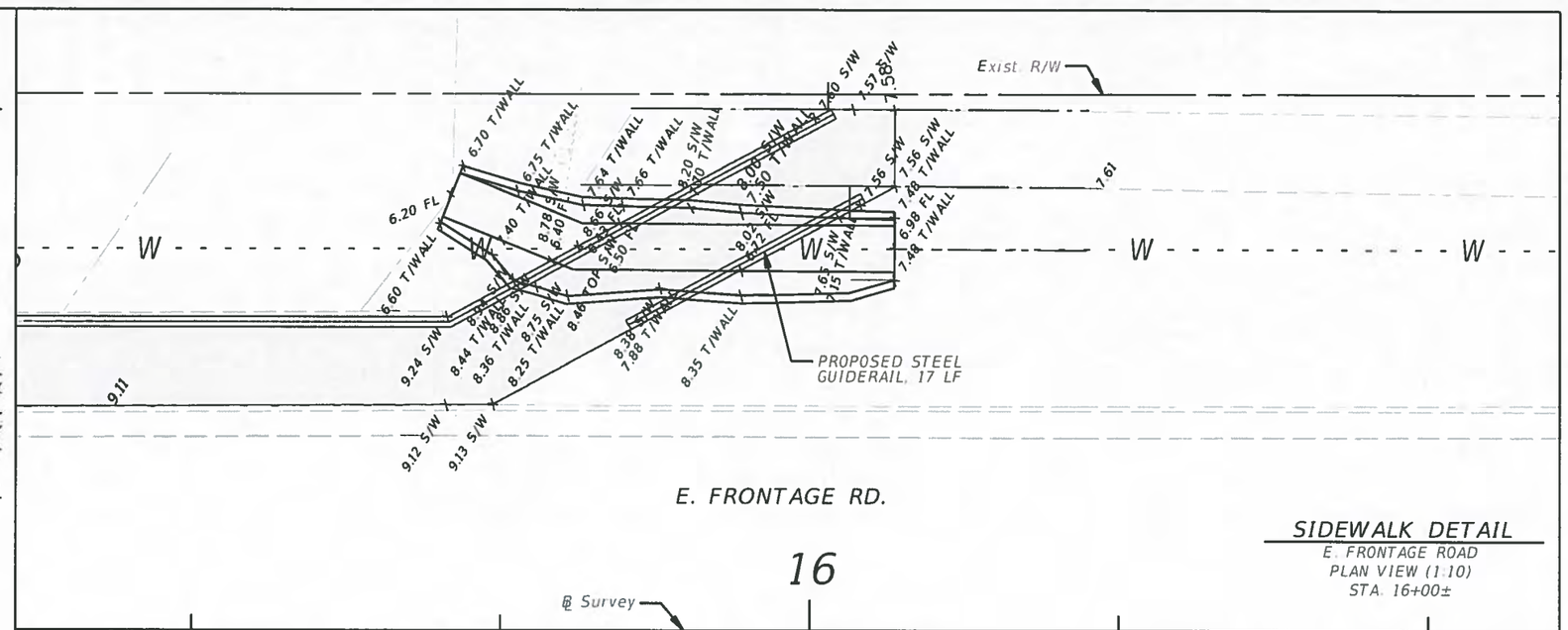
SPECIAL DETAILS (1)

SHEET NO. 18



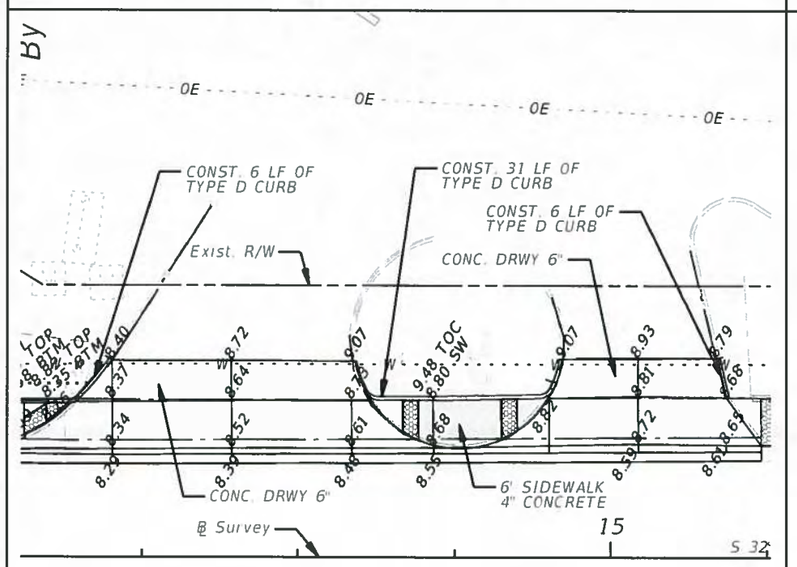
DRIVEWAY DETAIL

RECONSTRUCT DRIVEWAY
WITH 6" CONCRETE



SIDEWALK DETAIL

E. FRONTAGE ROAD
PLAN VIEW (1:10)
STA. 16+00±



DRIVEWAY DETAIL

E. FRONTAGE ROAD
PLAN VIEW (1:20)
STA. 14+50 & 15+10

GREGORY S. TRIM
CERTIFICATE
PE0052935
STATE OF FLORIDA
REGISTERED ENGINEER
5/19/13

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

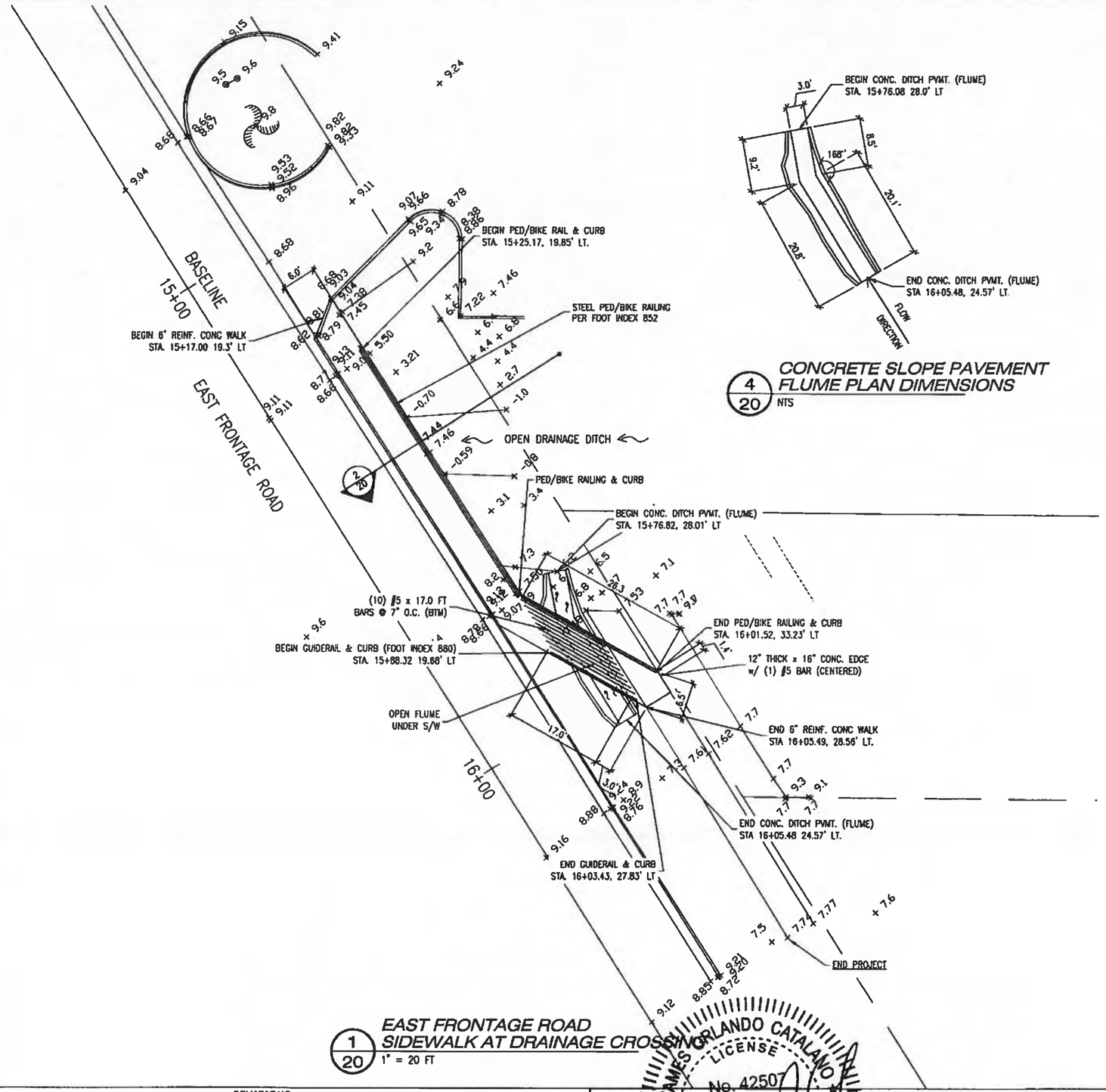
GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR. SUITE 101
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30268

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

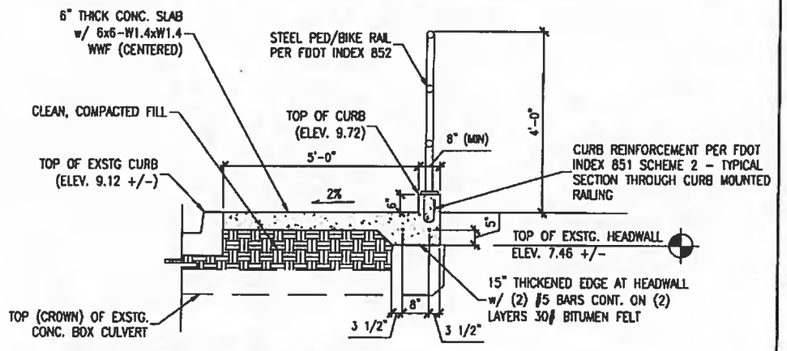
SPECIAL DETAILS (2)

SHEET NO. 19



1/20 EAST FRONTAGE ROAD SIDEWALK AT DRAINAGE CROSSING
1" = 20 FT

4/20 CONCRETE SLOPE PAVEMENT FLUME PLAN DIMENSIONS
NTS



NOTE: SEE ROADWAY PLAN FOR EXISTING AND PROPOSED SIDEWALK ELEVATIONS. ALL CONNECTIONS TO EXISTING WALKS, CURBS, DRIVES, ETC. SHALL MEET FLUSH.

2/20 SIDEWALK CROSS SECTION
NTS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES CATALANO, PE
P.E. LICENSE NUMBER 42507
CATALANO ENGINEERING, INC.
120 S. EDISON AVE.
TAMPA, FL 33606
CERTIFICATE OF AUTHORIZATION 6888

JAMES ORLANDO CATALANO
LICENSE
No. 42507
STATE OF FLORIDA
PROFESSIONAL ENGINEER

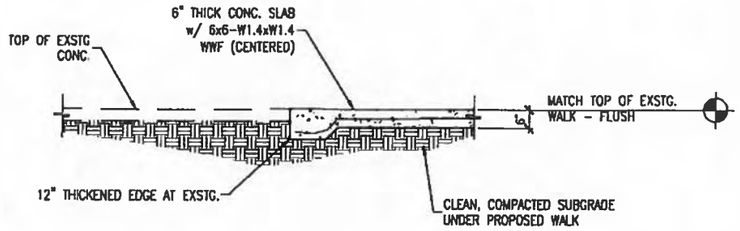
CITY OF TAMPA
TRANSPORTATION DEPARTMENT

PROJECT	CITY PROJECT ID
432714-1-58-01	1000263

SPECIAL DETAILS (3)

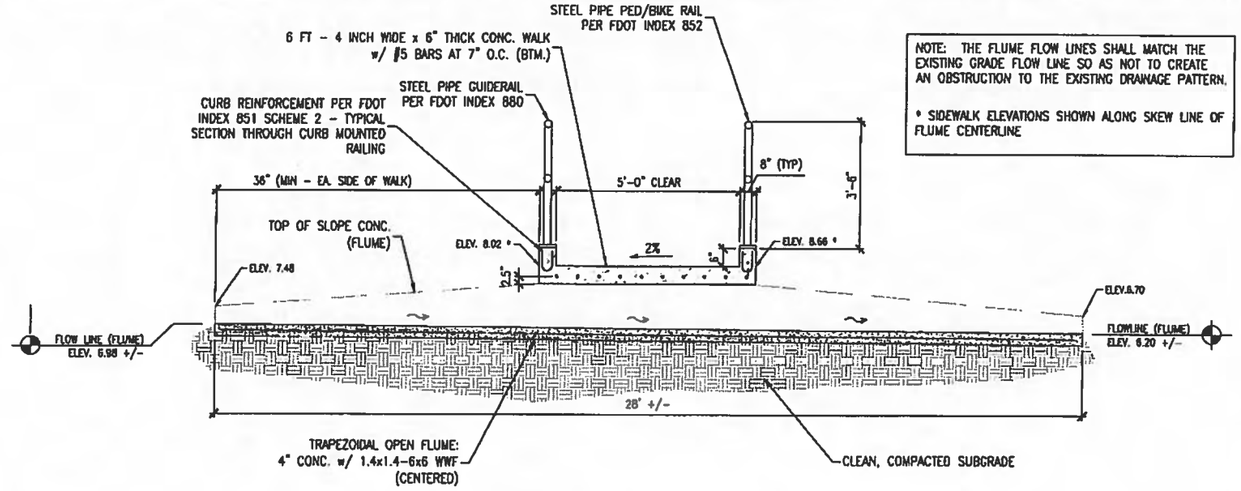
SHEET NO. 20

JCATALANO 10/13/2014 10:23:05 P:\PROJECTS\2013\13-009.01\CTRPESS\XREF



2/21 CONNECTION TO EXISTING WALK DETAIL

NTS



NOTE: THE FLUME FLOW LINES SHALL MATCH THE EXISTING GRADE FLOW LINE SO AS NOT TO CREATE AN OBSTRUCTION TO THE EXISTING DRAINAGE PATTERN.

* SIDEWALK ELEVATIONS SHOWN ALONG SKEW LINE OF FLUME CENTERLINE

1/21 SIDEWALK CROSS SECTION

NTS

GENERAL NOTES

1. THE STRUCTURAL DRAWINGS COMPLY WITH THE FOLLOWING CODES AND STANDARDS:

   -FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS
   -AMERICAN ASSOCIATION OF STATE TRANSPORTATION OFFICIALS (AASHTO) LFRD BRIDGE DESIGN

SPECIFICATIONS

2. REFER TO ROADWAY / PLAN DRAWINGS FOR OTHER PERTINENT INFORMATION RELATED TO STRUCTURAL WORK.
3. CONTRACTOR SHALL NOTIFY THE ENGINEER IN CASE OF CONFLICT WITHIN THE CONTRACT DRAWINGS OR BETWEEN THE STRUCTURAL DRAWINGS & THOSE OF THE ROADWAY/PLAN DRAWINGS.
4. VERIFY DETAILS AND DIMENSIONS AS IT RELATES TO INFORMATION GIVEN ON STRUCTURAL DRAWINGS.
5. VERIFY DIMENSIONS AND CONDITIONS RELATING TO SITE INCLUDING EXISTING UTILITIES AND SERVICES PRIOR TO START OF CONSTRUCTION.

CHANGES AND MODIFICATIONS

1. CONFORM TO INFORMATION/REQUIREMENTS GIVEN IN THE CONTRACT DRAWINGS AND TO CHANGES APPROVED IN WRITING BY THE ENGINEER.
2. SUBMIT WRITTEN REQUEST TO THE ENGINEER FOR APPROVAL OF ANY PROPOSED CHANGE TO THE REQUIREMENTS OF THE CONTRACT DRAWINGS.
3. SPLICING, CUTTING NOTCHING AND OTHER ALTERATIONS TO STRUCTURAL MEMBERS ARE NOT PERMITTED WITHOUT WRITTEN AUTHORIZATION OF THE STRUCTURAL ENGINEERS.
4. ANY UNAUTHORIZED DEVIATION FROM THE CONTRACT DRAWINGS, AND CORRECTION THEREOF, IS THE RESPONSIBILITY OF THE CONTRACTOR.

DESIGN DATA

1. SOIL BEARING CAPACITY = 2,500 PSF (ASSUMED)
2. GUARD/HANDRAIL LOADING = AASHTO SECTION 13.8.2 DESIGN LIVE LOADS

CAST-IN-PLACE CONCRETE

1. CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION 2015 STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 350 CEMENT CONCRETE PAVEMENT
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL CONCRETE FORM WORK, BRACING AND SHORING.

FOUNDATIONS

1. DO NOT BEGIN CONSTRUCTION ABOVE GRADE UNTIL THE CONDITION AND CONFIGURATION OF THE SUB-GRADE HAS BEEN VERIFIED AND THE GEO-TECHNICAL REPORT HAS BEEN REVIEWED BY THE STRUCTURAL ENGINEER.
2. NOTIFY ENGINEER OF ANY UNUSUAL SITE SUBSURFACE CONDITION WHICH IS IN VARIANCE WITH KNOWN CONDITIONS, SUCH AS DIFFERENT SOILS ENCOUNTERED, SEEPAGE OR PRESENCE OF WATER, OR WHEN THERE IS A QUESTION OF BEARING CAPACITY.
3. SEE GEO-TECHNICAL REPORT ON FILE FOR SITE PREPARATION, EXCAVATION, SUB GRADE FILL AND COMPACTION. REMOVE ALL VEGETATION AND ORGANIC SOILS FROM SUBGRADE.
4. SUB-GRADE SHALL BE WELL DRAINED AND OF UNIFORM BEARING STRENGTH.
5. SUB-GRADE SHALL BE MOIST DURING CONCRETE PLACEMENT.
6. CONTRACTOR SHALL ENSURE THAT CONCRETE CONSTRUCTION CONFORMS TO ACI 301 (CURRENT), SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, ACI 302 (CURRENT), GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION, AND ACI 318 (CURRENT), BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AS MODIFIED BELOW.
7. CONCRETE SUPPLIER SHALL PROVIDE A MIX RESULTING IN MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS, ($f'c$ = 3,000 PSI) AS MEASURED BY TESTING CYLINDRICAL SPECIMENS PER ASTM C-39 (U.N.O.).
8. CONTRACTOR SHALL NOT USE ADDITIVES CONTAINING CHLORIDES, FLUORIDES, AND NITRATES.
9. CONTRACTOR SHALL ENSURE THAT CONCRETE COVER TO REBAR IN THE SLAB IS IN ACCORDANCE WITH ACI 318.
12. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. IF THERE IS A DIFFERENCE BETWEEN DIMENSIONS SHOWN ON THESE DRAWINGS AND THE PLAN DRAWINGS, THE LATTER SHALL CONTROL. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD (EOR) ANY CONFLICTS OR DEVIATIONS.
13. SAW-CUTTING SHALL BE IN ACCORDANCE WITH ACI 302. SAW-CUTTING SHALL TAKE PLACE AS SOON AS THE CONCRETE SURFACE IS FIRM ENOUGH NOT TO BE TORN OR DAMAGED BY THE CUTTING BLADE.
14. PROVIDE 1/2" THICK x 4" WIDE BITUMINOUS EXPANSION JOINT MATERIAL (U.N.O.) AT ALL SURFACES WHERE NEW WALKS ABUT EXISTING SLABS OR STRUCTURES.
15. PROVIDE BROOM FINISH FOR EXTERIOR SLABS/WALKS AS PER CITY OF TAMPA GUIDELINES.

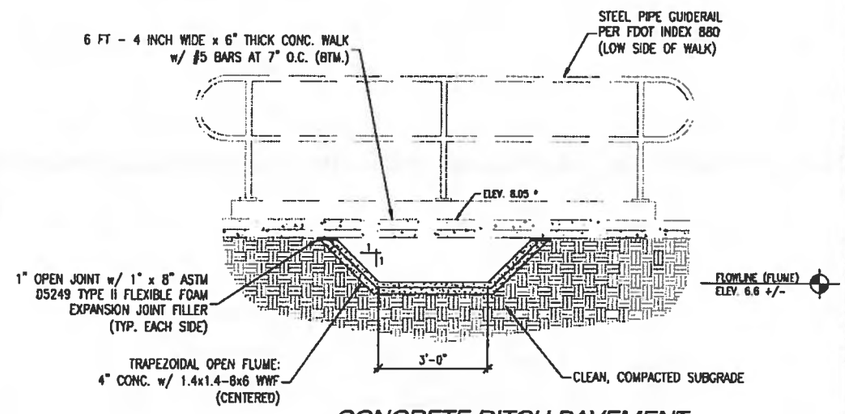
SHOP DRAWING REVIEW:

1. SHOP DRAWING CHECK:

   THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH TWO SETS OF SHOP DRAWINGS A MINIMUM OF THREE WEEKS PRIOR TO FABRICATION. THE REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS ONLY FOR GENERAL COMPLIANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. THE REVIEW DOES NOT GUARANTEE IN ANY WAY THAT THE SHOP DRAWINGS ARE CORRECT NOR DOES IT INFER THAT THEY SUPERSEDE THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL REVIEW AND APPROVE THE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ENGINEER.

ADJACENT WORK:

1. THE WORK DESCRIBED HEREIN PERTAINS TO THE CONSTRUCTION OF A REINFORCED CONCRETE WALK ADJACENT TO AND OVER AN EXISTING REINFORCED CONCRETE BOX CULVERT AND HEADWALL. THEREFORE, IT IS DESIGNED TO ACCOMMODATE DIFFERENTIAL SETTLEMENTS AND GRADE CHANGES THAT MAY NOT BE APPLICABLE TO OTHER ADJACENT CONCRETE WORK, SIDEWALKS, ETC.



3/21 CONCRETE DITCH PAVEMENT FLUME CROSS SECTION

NTS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAMES CATALANO, PE
P.E. LICENSE NUMBER 42507
CATALANO ENGINEERING INC.
120 S. EDISON AVE.
TAMPA, FL 33606
CERTIFICATE OF AUTHORIZATION 8278

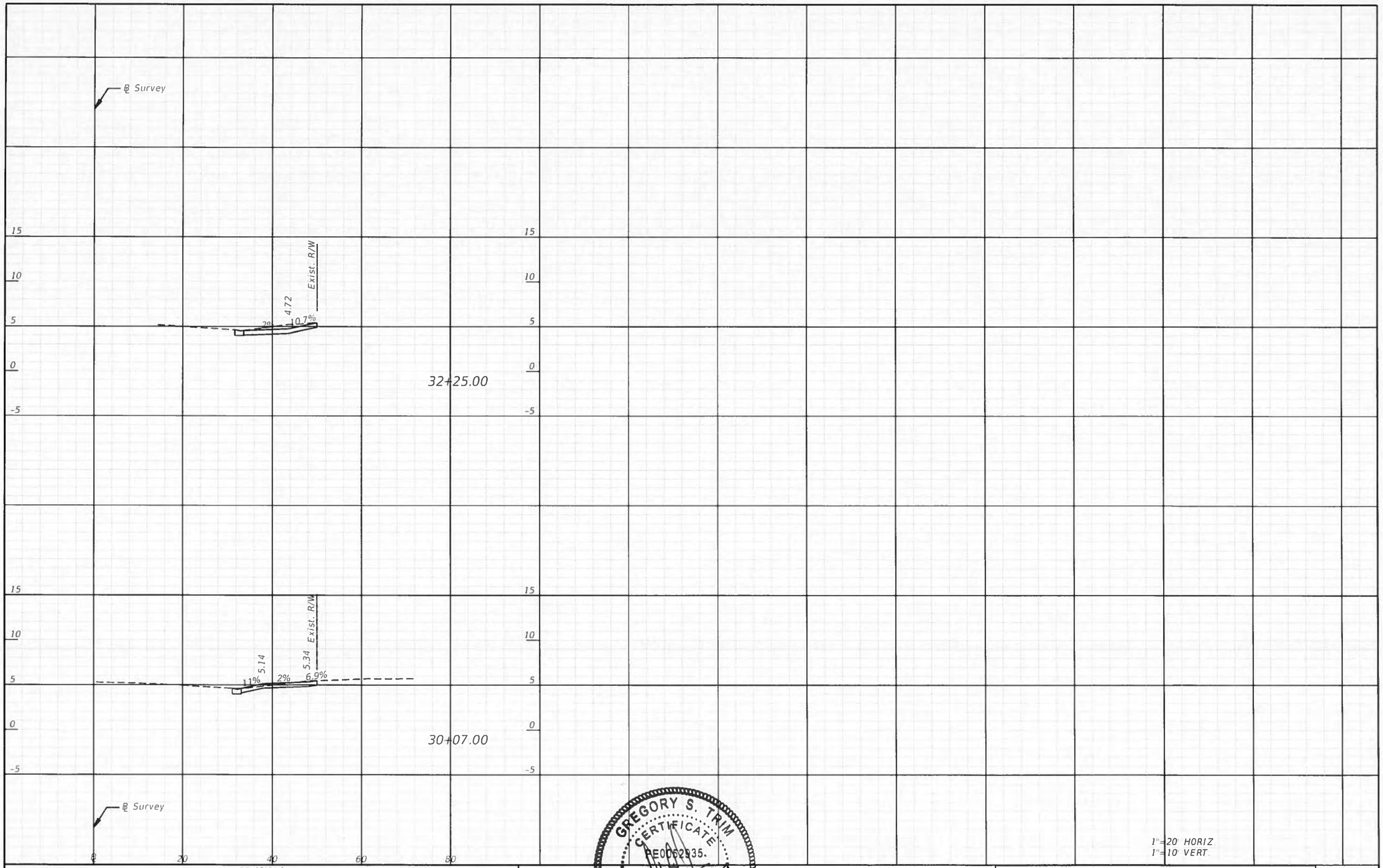
JAMES CATALANO LICENSE No. 42507 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/6/15

CITY OF TAMPA TRANSPORTATION DEPARTMENT	
PROJECT	CITY PROJECT ID
432714-1-58-01	1000263

SPECIAL DETAILS (4)

SHEET NO. 21

JCATALANO 10/13/2014 10:23:05 P:\PROJECTS\2013\13-009.01\CTRPESS\XREF



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR., SUITE 104
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30261

GREGORY S. TRIM CERTIFICATE PE0052935 STATE OF FLORIDA REGISTERED ENGINEER 4/19/15

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANCIAL PROJECT ID	CITY PROJECT ID
432714-58-01	1000263

DRIVEWAY CROSS SECTIONS

SHEET NO. 22

STORMWATER POLLUTION PREVENTION PLAN

OWNER'S REQUIREMENTS

SITE DESCRIPTION

PROJECT NAME AND LOCATION — W. CYPRESS TO E. FRONTAGE RD. & W. LEMON ST.

OWNER NAME AND ADDRESS — CITY OF TAMPA
306 E. JACKSON STREET
TAMPA, FL 33602

DESCRIPTION

THIS PROJECT WILL CONSIST OF

WIDENING OF EXISTING SIDEWALK INTO 10' SIDEWALK AND CONSTRUCTION OF 5'-6' SIDEWALK

SOIL DISTURBING ACTIVITIES WILL INCLUDE

INSTALLING SILT FENCING AND OTHER EROSION AND SEDIMENT CONTROLS, CLEARING AND GRUBBING, STORM SEWER IMPROVEMENTS, MODIFICATIONS, & UTILITY ADJUSTMENTS, EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF SIDEWALK

DESIGN AREA DISCHARGE

1. PRE-CONSTRUCTION IMPERVIOUS 0.32 AC (SIDEWALK)
2. DURING CONSTRUCTION VARIES
3. POST-CONSTRUCTION IMPERVIOUS 0.61 AC (SIDEWALK)

SOILS
MYAKKA FINE SAND, FREQUENTLY FLOODED & 0 TO 2% SLOPES
TAVARES - URBAN LAND COMPLEX, 0-5% SLOPES

SITE MAPS

- SEE ATTACHED CONSTRUCTION PLANS

GRADES, AREAS OF SOILS, DISTURBANCE, LOCATION OF SURFACE WATERS, WETLANDS, PROTECTED AREAS, MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS AND STORM WATER DISCHARGE POINTS

- SEE ATTACHED CONSTRUCTION PLANS FOR LOCATION OF TEMPORARY STABILIZATION PRACTICES AND TURBIDITY BARRIERS

SITE AREA

1. TOTAL AREA OF SITE = 0.98 ACRES
2. TOTAL AREA TO BE DISTURBED = 0.66 ACRES +-
3. TOTAL IMPERVIOUS AREA = 0.61 ACRES (POST CONSTR.)

NAME OF RECEIVING WATERS

TAMPA BAY

CONTRACTOR'S REQUIREMENTS

CONTROLS

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES (BMPS) TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN OFF. THE CONSTRUCTION PLANS HAVE BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS AS PER PLAN AS WELL AS ENSURING THE THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL STATE AND LOCAL LAWS. REFER TO "CONTRACTORS REQUIREMENTS" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED

STORM WATER MANAGEMENT
STORM WATER DRAINAGE WILL BE PROVIDED BY STORM SEWER, INLETS AND CATCH BASINS FOR THE DEVELOPED AREAS. AREAS WHICH ARE NOT DEVELOPED BUT WILL BE REGRADED SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE. WHEN CONSTRUCTION IS COMPLETE, WHERE PRACTICAL, WHEN UPSLOPE AREAS ARE STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED AND THE AREA WILL BE SODDED

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

IN AN EFFORT TO ENSURE COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS REGARDING EROSION AND TURBIDITY CONTROLS, THE FOLLOWING PERMITS HAVE BEEN OBTAINED

EPC PERMIT (WETLANDS)	N/A
EPC PERMIT (FORCEMAIN)	N/A
S.W.F.W.M.D. E.R.P. PERMIT	EXEMPTION REQUEST

IT'S THE CONTRACTOR'S RESPONSABILITY TO SECURE THE PROPER NPDES PERMIT(S) PRIOR TO STARTING CONSTRUCTION ACTIVITIES.

EPC PERMIT REQUIREMENTS

1. NO IMPACT TO THE VEGETATIVE COMPONENT OF THE EXISTING WETLAND MITIGATION PONDS IS PERMITTED.
2. ALL EFFORTS MUST BE TAKEN TO PREVENT ANY EROSION OR TURBID WATER FROM BEING DISCHARED INTO WETLANDS AND/OR WATERS OF THE COUNTY. TURBID DISCHARGES THAT EXCEED 50 JTU'S (JACKSON TURBIDITY UNITS) OR 29 NTU'S (NEPHELOMETRIC TURBIDITY UNITS) ABOVE BACKGROUND LEVELS ARE A VIOLATION PURSUANT TO CHAPTER 1-5, WATER QUALITY RULE. SYNTHETIC BALES, SILT SCREENS, FLOATING TURBIDITY BARRIERS OR OTHER EPC APPROVED METHODS OF EROSION CONTROL MAY BE REQUIRED. EROSION CONTROLS MUST REMAIN IN PLACE UNTIL ALL LOOSE SOILS HAVE BEEN STABILIZED.
3. THIS APPROVAL APPLIES ONLY TO THE DEVELOPMENT ACTIVITY AS SUBMITTED AND DOES NOT PROVIDE APPROVAL TO ANY OTHER ASPECT OF THE EPC REVIEW PROCESS. IN ADDITION, THIS APPROVAL DOES NOT IMPLY EXEMPTION FROM OBTAINING ALL PROPER PERMITS FROM OTHER GOVERNMENT AGENCIES.

GENERAL

THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTORS REQUIREMENT OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS PENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION. THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM, PRIOR TO PLACING THE SYSTEM INTO OPERATION.

SEQUENCE OF MAJOR ACTIVITIES:

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE, IF NECESSARY
2. INSTALL SILT FENCES, SYNTHETIC BALES, FLOATING AND/OR STAKED TURBIDITY BARRIERS, AS REQUIRED
3. CLEAR AND GRUB
4. STOCK PILE TOP SOIL IF REQUIRED.
5. PERFORM PRELIMINARY GRADING ON SITE, AS REQUIRED
6. STABILIZE DENUDED AREAS AND STOCKPILES AS SOON AS PRACTICABLE
7. ADJUST UTILITIES AND INSTALL STORM SEWER
8. COMPLETE EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF SUBGRADE, BASE, CURB, SIDEWALK AND DRIVEWAYS
9. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD.
10. COMPLETE FINAL PAVING AND BRICKWORK
11. REMOVE ACCUMULATED SEDIMENT
12. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY EROSION CONTROL DEVICES AND SOD AS REQUIRED

EROSION CONTROL MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES, SYNTHETIC BALES, ROCK BAGS, STAKED AND FLOATING TURBIDITY CONTROL DEVICES, SOIL TRACKING PREVENTION DEVICE WILL BE CONSTRUCTED PRIOR TO CLEARING AND GRUBBING, UTILITIES OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED THE ACCUMULATED SEDIMENT WILL BE REMOVED AND THE AREA STABILIZED IN ACCORDANCE WITH THE SEDIMENT AND EROSION CONTROL PLAN.

IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN IN THE CONSTRUCTION PLANS AND SPECIFICATIONS. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.

EROSION AND SEDIMENT CONTROLS STABILIZATION PRACTICES

STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION FACILITY.

INLET PROTECTION: INLETS AND CATCH BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.

OTHER CONTROLS

WASTE MATERIALS

ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT. THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES BY THE SITE SUPERINTENDENT. THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

OFFSITE VEHICLE TRACKING

IF NECESSARY, A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ON SITE DURING CONSTRUCTION

CONCRETE	TAR	FERTILIZERS
ASPHALT	DETERGENTS	PETROLEUM BASED PRODUCTS
		CLEANING SOLVENTS

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

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

- AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB
- ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
- PRODUCTS WILL BE KEPT IN THE ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL
- SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER
- WHENEVER POSSIBLE, UNUSED PRODUCTS WILL BE RECOMMENDED FOR PROPER USE AND DISPOSAL WILL BE ARRANGED
- THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. ST. ORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAG OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

SPILL CONTROL PRACTICES

THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURERS RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE PROPER SPILL CLEAN UP SUPPLIES

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA. ON SITE EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO: BROOMS, DUST PANS, RAKES, SHOVELS, LIQUID ABSORBENT (E.G. KITTY LITTER OR EQUAL), SAND, SAND BAGS, PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE

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

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY REGARDLESS OF THE SIZE OF THE SPILL

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILLS IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED

THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:

- ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.25 INCHES OR GREATER
- ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT
- BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE
- SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND
- TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGE ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIES AS PART OF THIS CERTIFICATION.

SIGNATURE	BUSINESS NAME AND ADDRESS OF CONTRACTOR

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 62933
SAM SCHWARTZ ENGINEERING, FLORIDA
2709 N. ROCKY POINT DRIVE, 100
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30268

GREGORY S. TRIM CERTIFICATE NO. 62933 STATE OF FLORIDA REGISTERED ENGINEER

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANCIAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

STORMWATER POLLUTION PREVENTION PLAN (1)

SHEET NO. 23

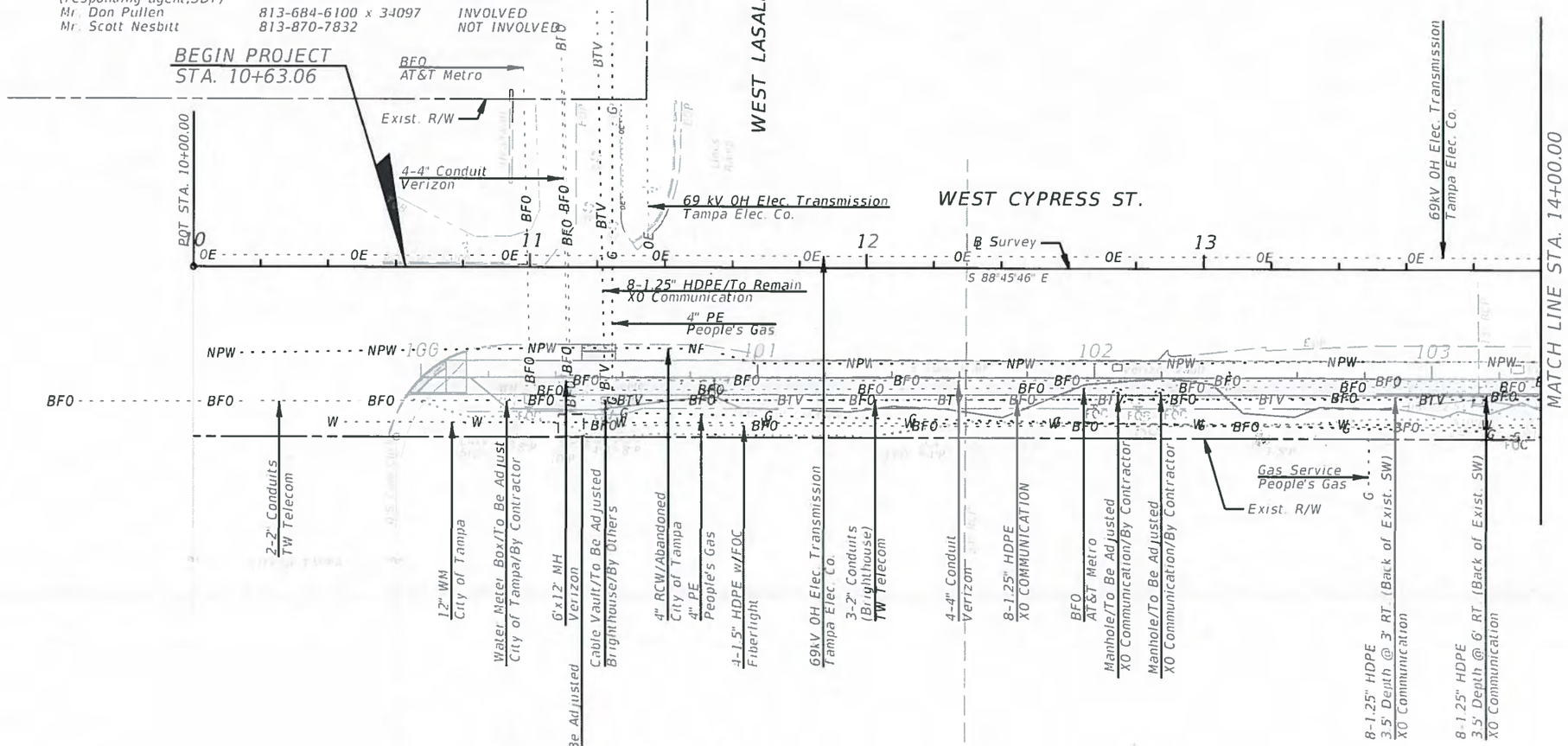
UTILITY NOTES

1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY.

2. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.

3. UTILITY/AGENCY OWNERS

COMPANY	CONTACT	TELEPHONE NUMBERS	RESPONSE
FPL Fibernet LLC	Mr. Danny Haskett	305-552-2931	INVOLVED
Tampa Electric Company	Mr. Jason Cooper	813-275-3037	INVOLVED
City of Tampa Water Department	Ms. Janice Davis	813-274-7096	INVOLVED
	Ferraro Jacobs	813-274-8676	
City of Tampa Sewer Department	Mr. Jack Ferras	813-274-8095	INVOLVED
City of Tampa Transportation Dept.	Mr. Mike Scanlon	813-274-8105	INVOLVED
	Mr. Mike Honeycutt	813-274-8633	
XO Communications	Mr. Jeff Sbrocco	813-301-4047	INVOLVED
TW Telecom - Tampa	Mr. James McVeigh	813-316-7763	INVOLVED
TECO-Peoples Gas-Tampa	Mr. Luis Castellano	813-275-3743	INVOLVED
Verizon Florida, Inc.	Mr. David Wynns	813-627-8343	INVOLVED
Level 3 Communications LLC	Networks Relations	877-366-8344 ext 2	INVOLVED
Fiberlight LLC	Mr. Tim Green	813-877-7491	INVOLVED
ATT/T	Ms. Nancy Spence	770-918-5424	NOT INVOLVED
ATT/METRO	Mr. Michael Gamboa (responding agent,SDT)	813-888-8300	INVOLVED
Bright House Networks	Mr. Don Pullen	813-684-6100 x 34097	INVOLVED
Hillsborough County Aviation - TIA	Mr. Scott Nesbitt	813-870-7832	NOT INVOLVED



GREGORY S. TRIM
CERTIFICATE
PE0052935
STATE OF FLORIDA
REGISTERED ENGINEER
5/1/15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

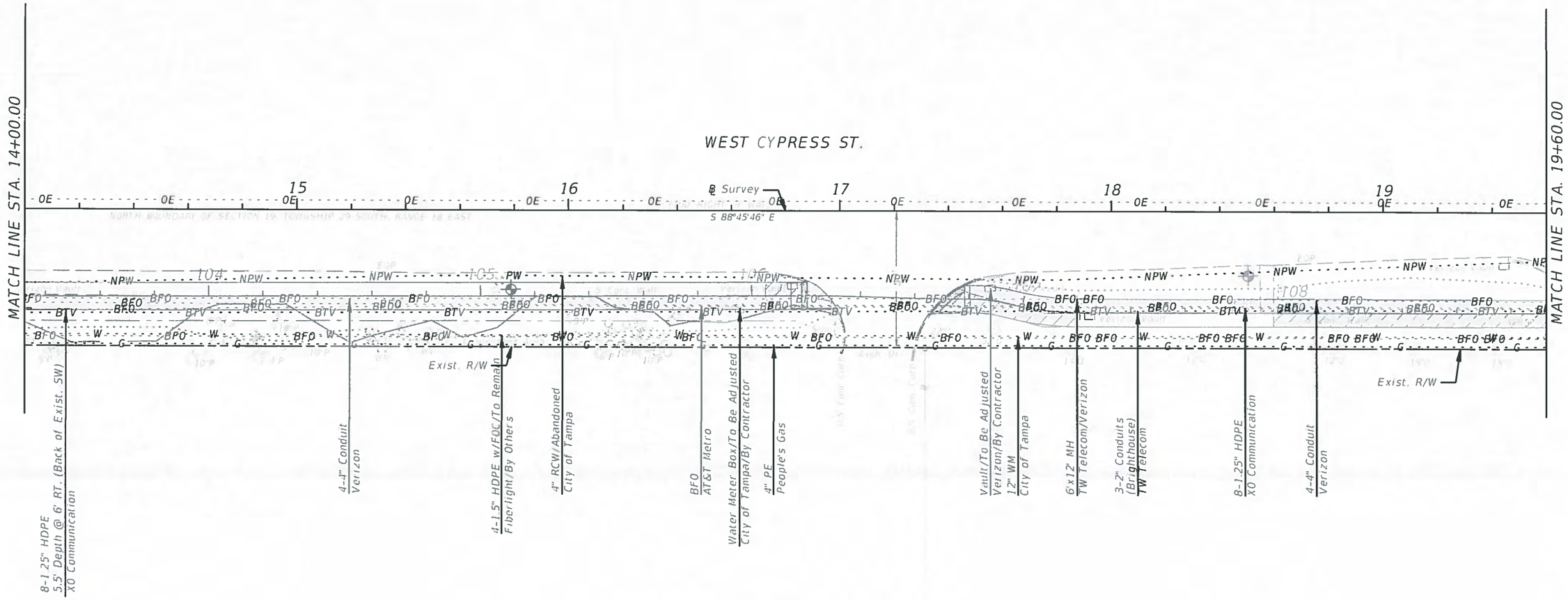
GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR., STE. 104
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30266

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

WEST CYPRESS ST. UTILITY ADJUSTMENTS (1)

SHEET NO. 24



GREGORY S. TRIM
CERTIFICATE
PE0052935
FLORIDA
REGISTERED ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

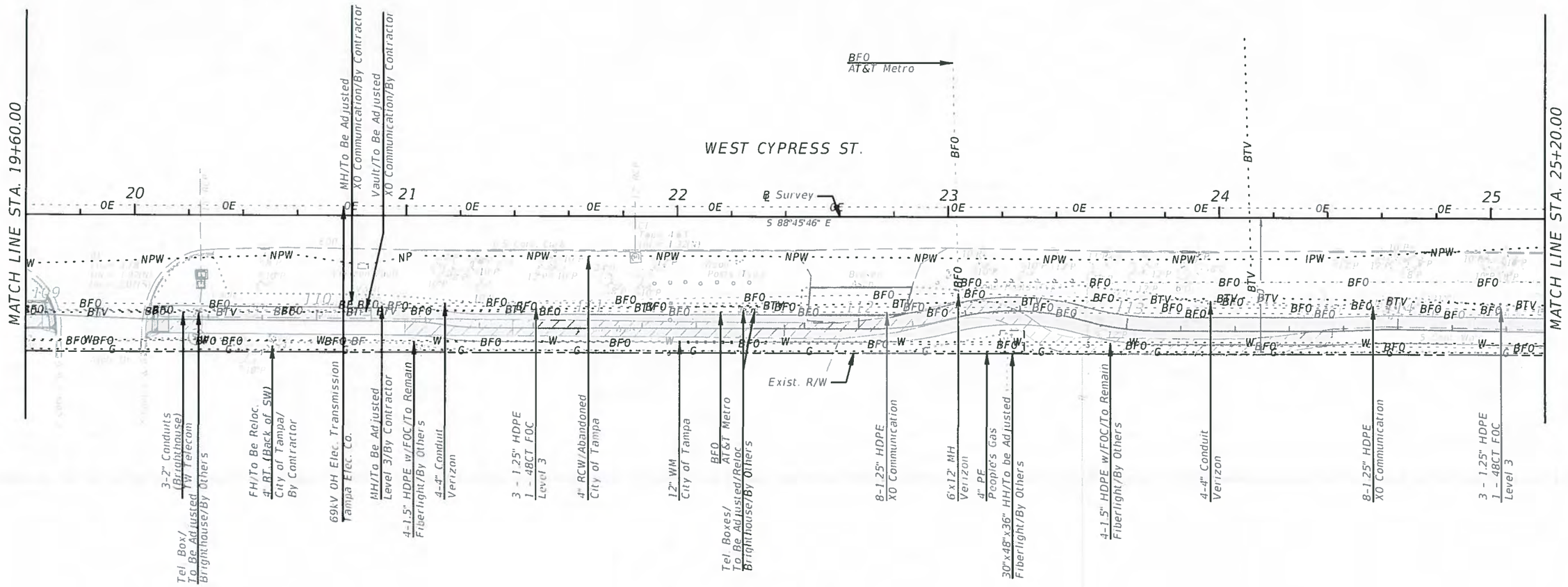
GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR. SUITE 104
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30788

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

WEST CYPRESS ST.
UTILITY ADJUSTMENTS (2)

SHEET NO. 25



GREGORY S. TRIM
CERTIFICATE
PE0052935
STATE OF FLORIDA
REGISTERED ENGINEER
4/24/15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DRIVE, SUITE 150
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 8268

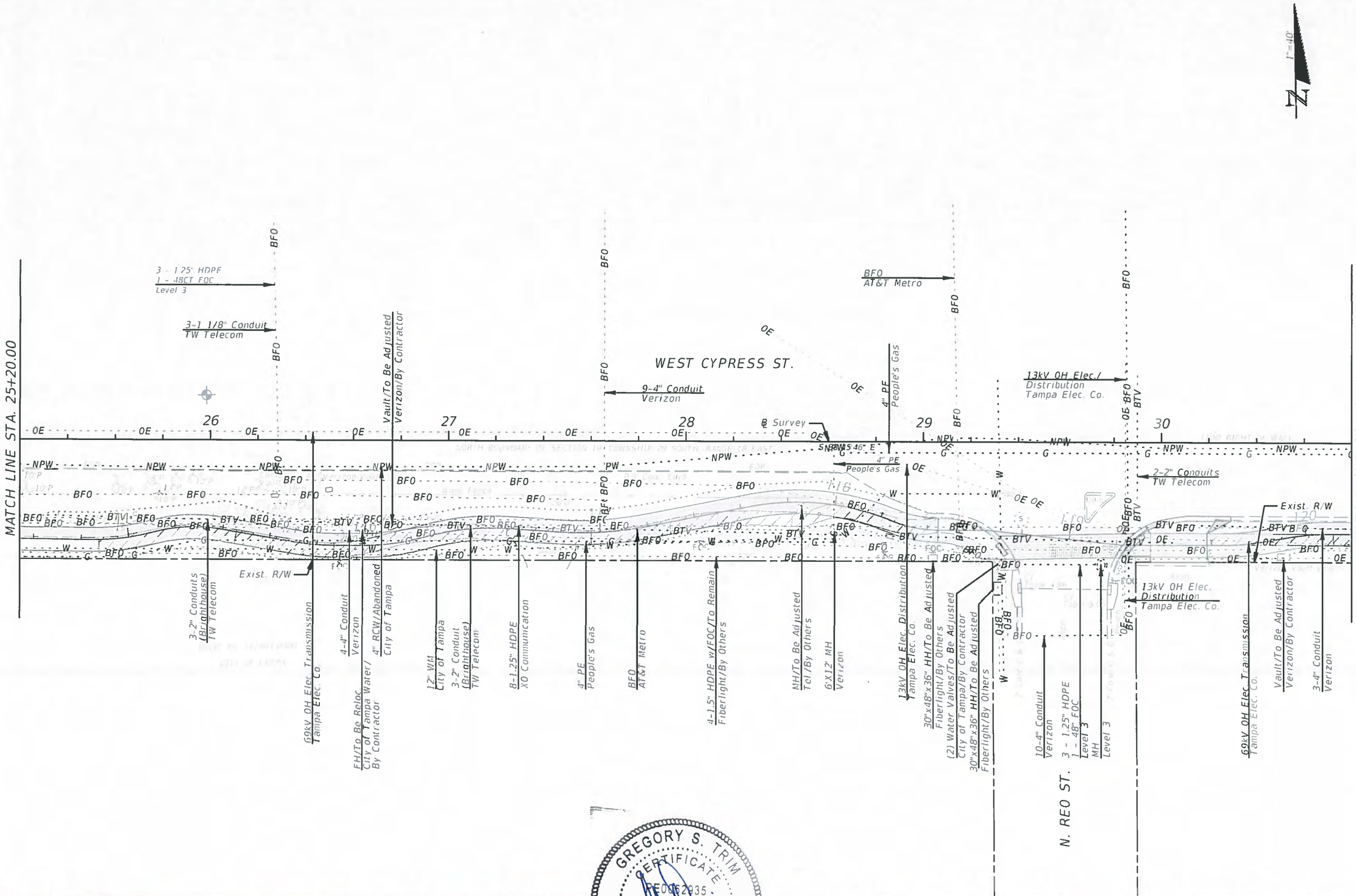
CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

WEST CYPRESS ST. UTILITY ADJUSTMENTS (3)

SHEET NO. 26

gepperson 4/24/2015 4:17:56 PM Y:\13-05-1891 RFP 13 D 000027 4 Walk Bike Projs Design Cypress St Corr\432714-1-10



GREGORY S. TRIM
CERTIFICATE
PE0052935
STATE OF FLORIDA
REGISTERED ENGINEER
8/19/15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR. SUITE 104
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30268

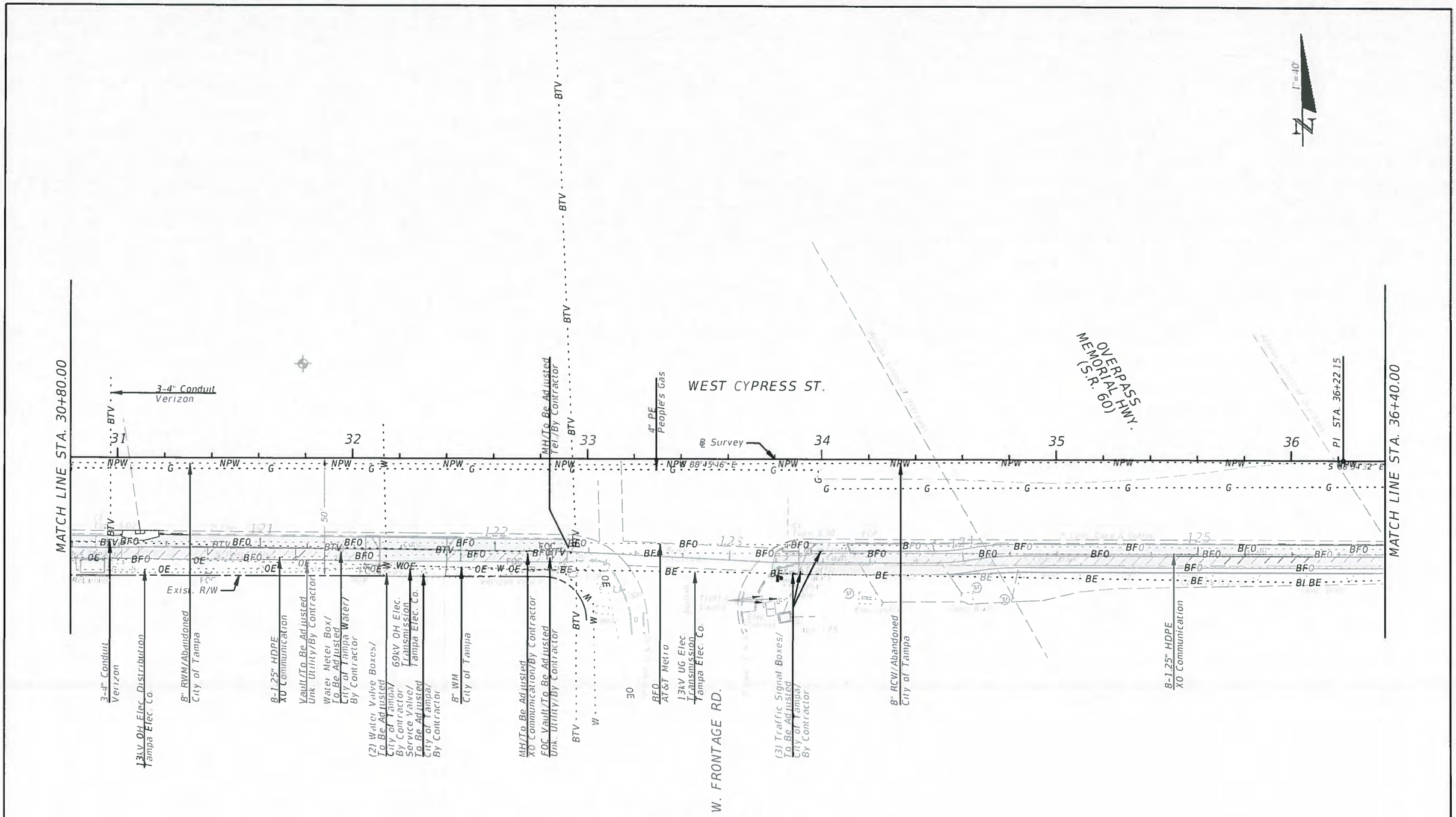
CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

WEST CYPRESS ST.
UTILITY ADJUSTMENTS (4)

SHEET NO. 27

Jepperson 4/24/2015 4:18:06 PM Y:\13 05 1891 RFP 13 D 000027 4 Walk Bike Projs Design Cypress St Corr\43271410



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 53935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR. SUITE 102
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 16262

GREGORY S. TRIM
CERTIFICATE
PE0052935
STATE OF FLORIDA
REGISTERED ENGINEER
4/21/15

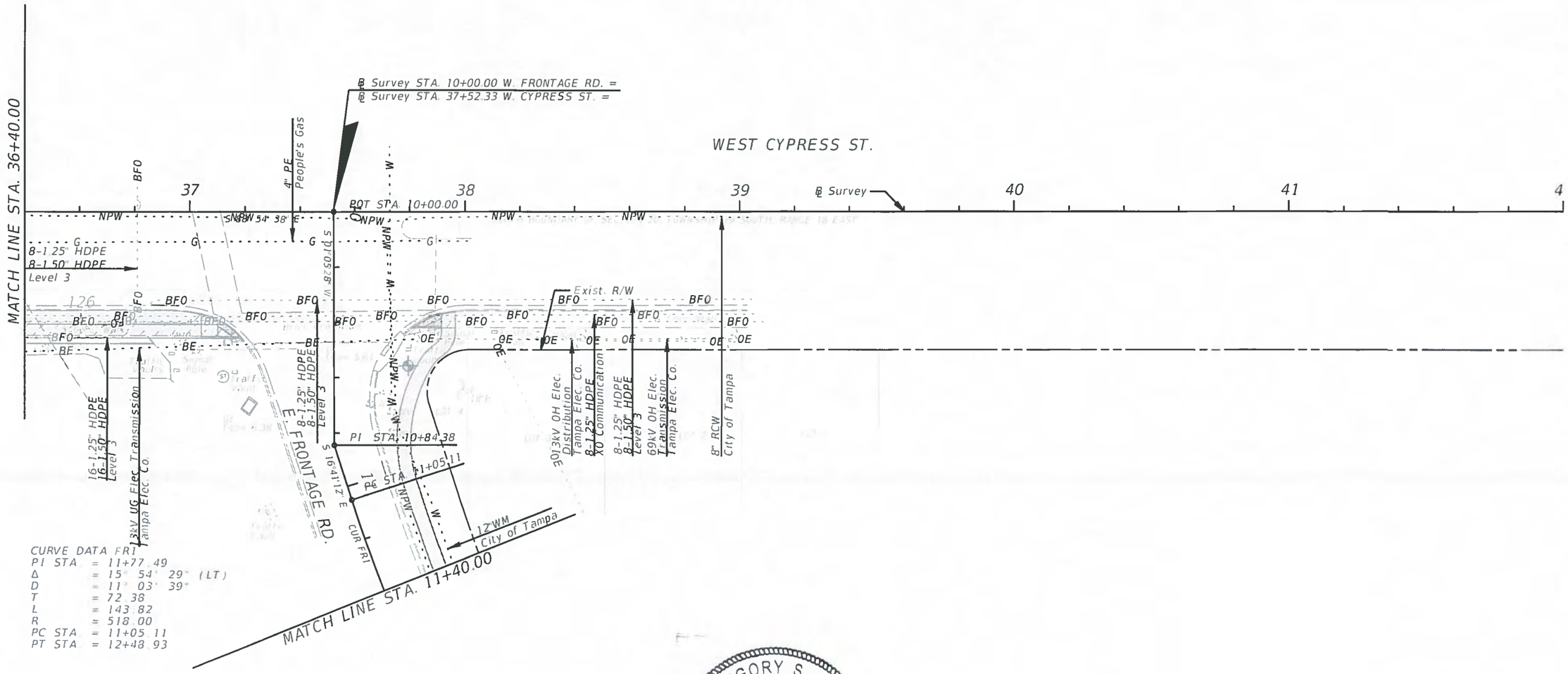
CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

WEST CYPRESS ST. UTILITY ADJUSTMENTS (5)

SHEET NO. 28

aepperson 4-21-2015 4:18:15 PM Y:\13-05 1891 RFP 13 D 000027 4 Walk Bike Projs Design Cypress St Corr\432714-1-58-01



GREGORY S. TRIM
CERTIFICATE
PE0052338
STATE OF FLORIDA
REGISTERED PROFESSIONAL ENGINEER
5/19/15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

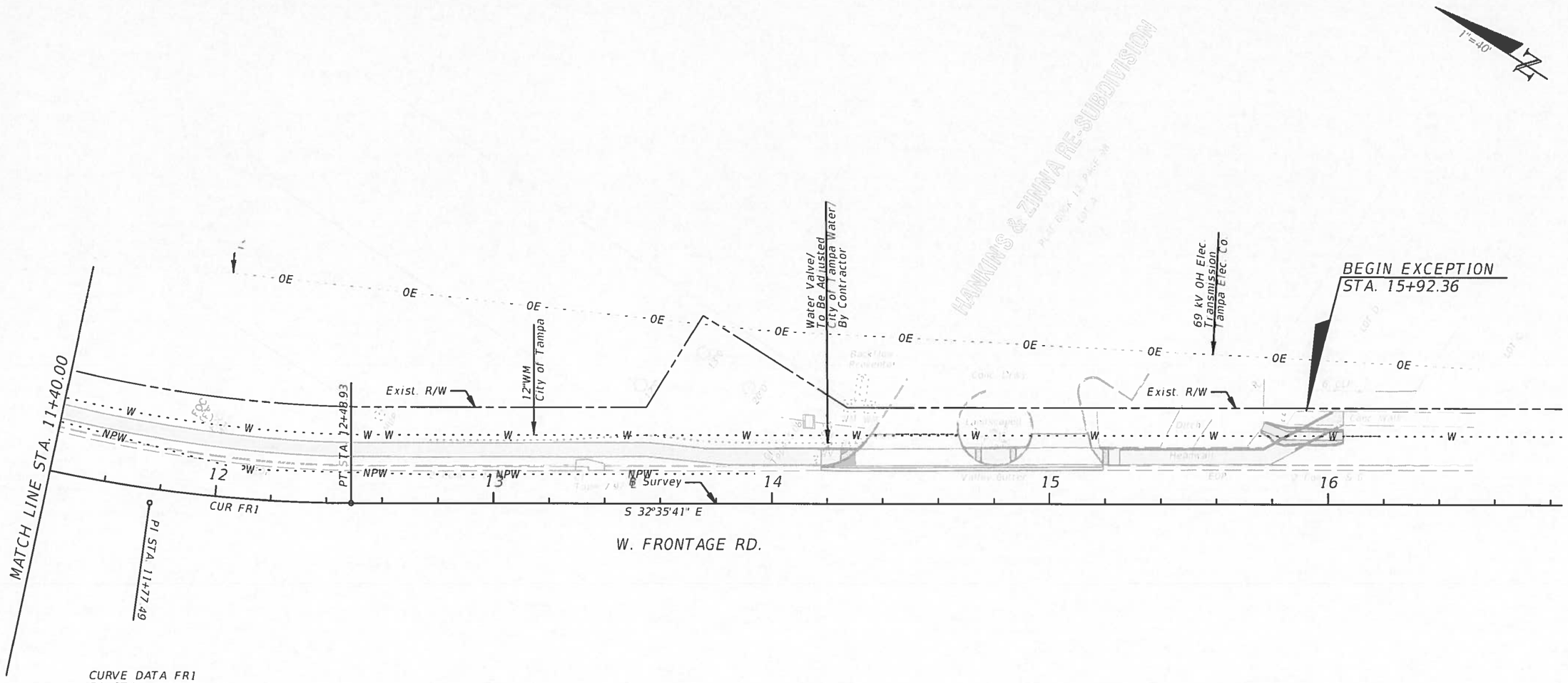
GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR., SUITE 100
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30268

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

WEST CYPRESS ST.
UTILITY ADJUSTMENTS (6)

SHEET NO. 29



CURVE DATA FR1
PI STA = 11+77.49
Δ = 15° 54' 29" (LT)
D = 11° 03' 39"
T = 72.38
L = 143.82
R = 518.00
PC STA = 11+05.11
PT STA = 12+48.93

0 10 40
Feet

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 72935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR. SUITE 100
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30048

GREGORY S. TRIM
CERTIFICATE
NO. 72935
STATE OF
FLORIDA
REGISTERED ENGINEER

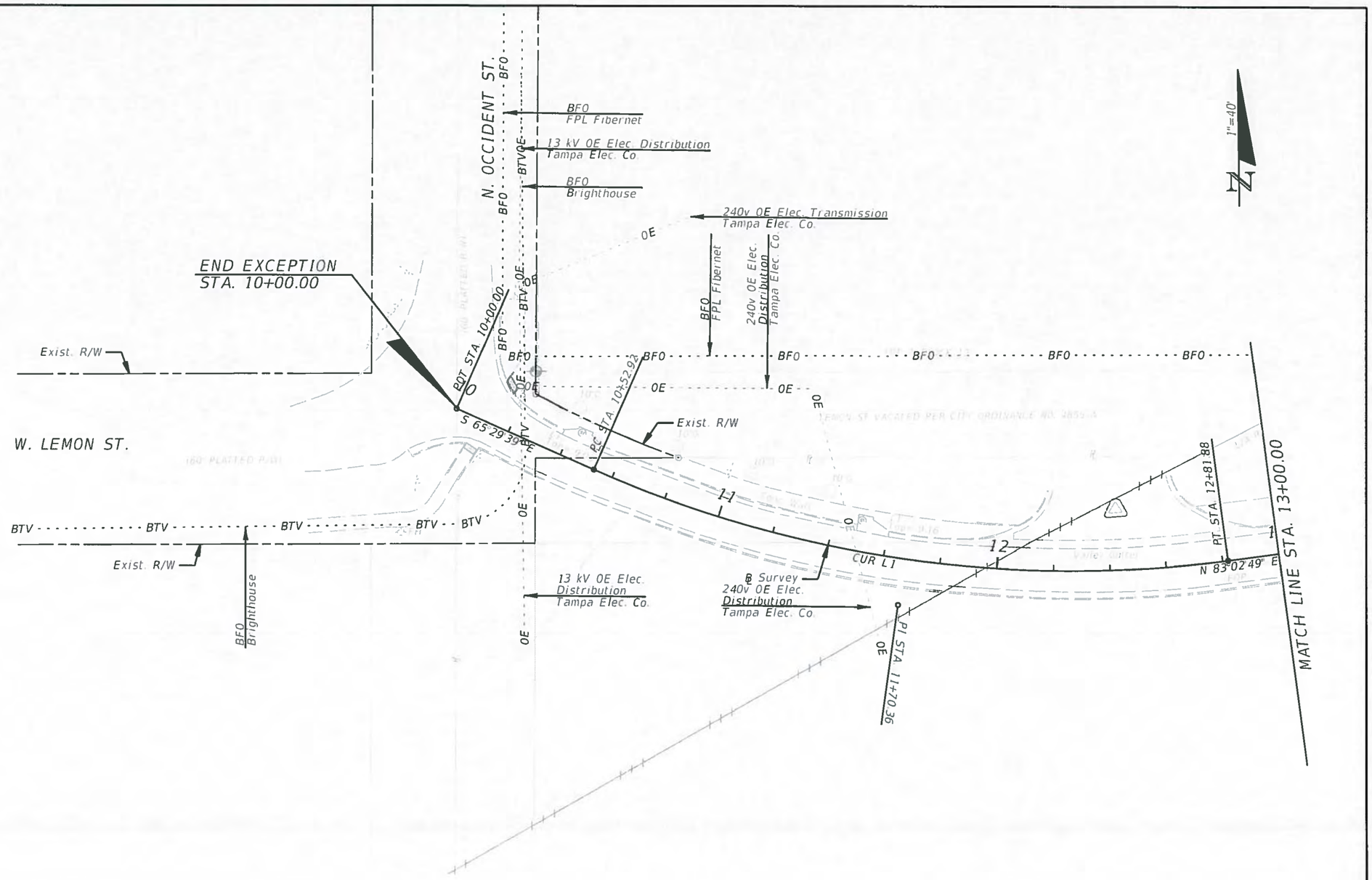
CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

W. FRONTAGE RD.
UTILITY ADJUSTMENTS (7)

SHEET NO.
30

Jepperson 4/24/2015 4:18:35 PM Y:\13 05 1891 RFP 13 D 000027 4 Walk Bike Projs Design Cypress St Corr\43271-410



CURVE DATA L1
PI STA = 11+70.36
Δ = 31° 27' 32" (LT)
D = 13° 44' 24"
T = 117.44
L = 228.96
R = 417.00
PC STA = 10+52.92
PT STA = 12+81.88

GREGORY S. TRIM
CERTIFICATE
PE0052935
STATE OF FLORIDA
REGISTERED ENGINEER
4/19/15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

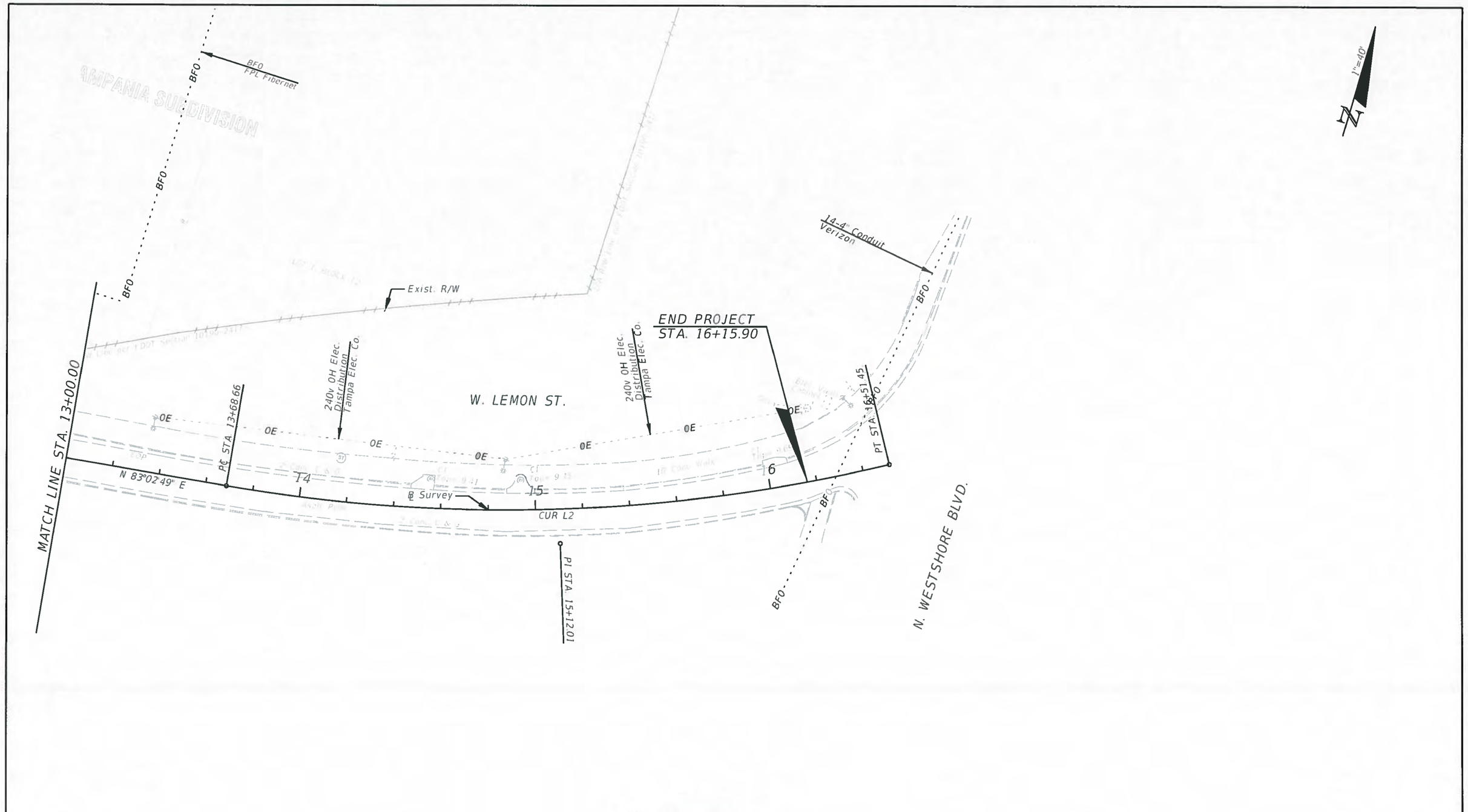
GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING, FLORIDA
2709 N. ROCKY POINT DR. SUITE 109
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 10268

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

W. LEMON ST.
UTILITY ADJUSTMENTS (8)

SHEET NO. 31



CURVE DATA L2
PI STA = 15+12
Δ = 23
D = 8
T = 1
L = 1
R = 700.00
PC STA 13+68
PT STA 16+51

GREGORY S. TRIM
CERTIFICATE
PE0
STATE OF
FLORIDA
REGISTERED ENGINEER
5/14/15

0 10 40
Feet

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GREGORY S. TRIM, P.E.
P.E. LICENSE NUMBER 52935
SAM SCHWARTZ ENGINEERING
2709 N. ROCKY POINT DR. SUITE 104
TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION 30268

CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANICAL PROJECT ID	CITY PROJECT ID
432714-1-58-01	1000263

W. LEMON ST.
UTILITY ADJUSTMENTS (9)

SHEET NO. 32