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Please Email ALL Questions:
[MailTo:ContractAdministration@TampaGov.net](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 - 6	TYPICAL SECTION
7 - 8	PROJECT LAYOUT
9	PROJECT NOTES
10 - 19	ROADWAY PLANS
20 - 21	SPECIAL DETAILS
22	STORMWATER POLLUTION PREVENTION PLAN
23	TEMPORARY TRAFFIC CONTROL PLANS
24 - 33	UTILITY ADJUSTMENTS

**CITY OF TAMPA
DEPARTMENT OF TRANSPORTATION**

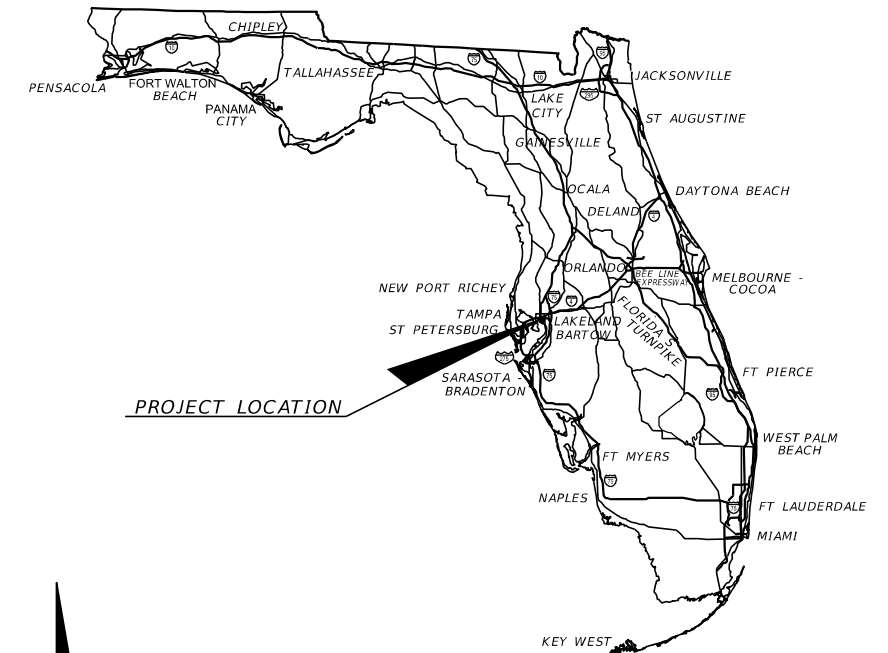
CONTRACT PLANS

CITY OF TAMPA PROJECT ID 1000261

FPN: 432715-1-58-01

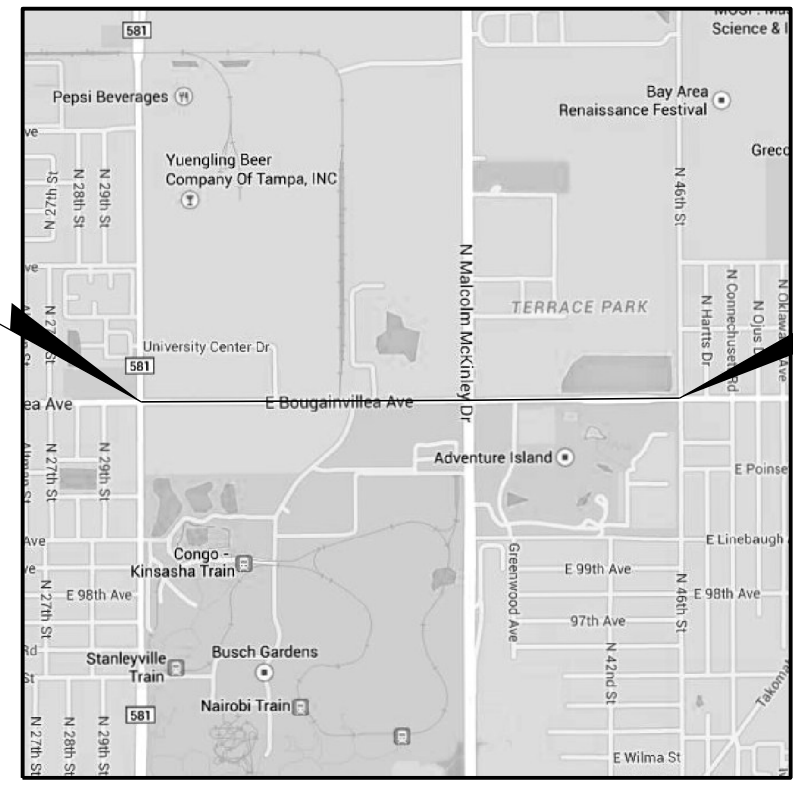
(FEDERAL FUNDS)

**E. BOUGAINVILLEA AVE. FROM N 30TH ST. TO N 46TH ST.
SIDEWALK PROJECT**



BEGIN PROJECT
STA. 10+33.95

END PROJECT
STA. 62+29.88



GOVERNING STANDARDS AND SPECIFICATIONS:
City of Tampa Stormwater Department Standard Details, dated 7/03,
revised 12/04 & 04/07
City of Tampa Water Department Technical Manual, February 2014.
[http://intranetpub.ads.cot/sites/default/files/doc_library/
Tampa_Water_Department_Technical_Manual_0502.pdf](http://intranetpub.ads.cot/sites/default/files/doc_library/Tampa_Water_Department_Technical_Manual_0502.pdf)

Florida Department of Transportation, 2016 Design Standards and
revised Index Drawings as appended herein, and Division II and III
of the January 2016 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
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_Specification
Standard Specifications

PROJECT LENGTH IS BASED ON $\frac{1}{4}$ OF SURVEY

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	5195.93	0.984
BRIDGES	NA	NA
NET LENGTH OF PROJECT	5195.93	0.984
EXCEPTIONS	NA	NA
GROSS LENGTH OF PROJECT	5195.93	0.984

KEY SHEET REVISIONS	
DATE	DESCRIPTION

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

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

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

P.E. NO.: 52935

FISCAL YEAR	SHEET NO.
16	1

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

FINAL PLANS SUBMITTAL - 5/11/16

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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	5439
104-18	INLET PROTECTION SYSTEM	EA	18
110-1-1	CLEARING & GRUBBING	AC	3.62
285-704	OPTIONAL BASE, BASE GROUP 04	SY	199
334-1-11	SUPERPAVE ASPHALTIC CONC, TRAFFIC A	TN	16.4
425-1-529	INLETS, DT BTM., TYPE C, MODIFY	EA	3
425-1-711	INLETS, GUTTER, TYPE V, <10'	EA	3
425-1-713	INLETS, GUTTER, TYPE V, J BTM., <10'	EA	1
SP-8.06.A	TYPE 2 INLET (COT)	EA	1
SP-8.06.B	TYPE 2 INLET (3'-10"x5') (COT)	EA	1
SP-8.06.C	TYPE E GRATE INLET (COT)	EA	1
SP-8.06.D	TYPE E GRATE INLET (COT), PARTIAL, FDOT MANHOLE TOP TYPE 7	EA	1
425-11	MODIFY EXISTING INLET	EA	1
430-175-115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15" S/CD	LF	48
430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD	LF	3
430-963-2	PVC PIPE FOR BACK OF SIDEWALK, NON STANDARD DIAMETER	LF	69
515-1-1	PIPE HANDRAIL - GUIDERAIL, STEEL	LF	27
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	816
520-2-4	CONCRETE CURB, TYPE D	LF	31
520-3	VALLEY GUTTER - CONCRETE	LF	1120
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	5233
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	914
527-2	DETECTABLE WARNINGS	SF	118
570-1-2	PERFORMANCE TURF, SOD	SY	5792
635-2-40	PULL & SPLICE BOX, RELOCATE	EA	1
653-1-40	PEDESTRIAN SIGNAL, RELOCATE	AS	1

SIGNING AND PAVEMENT MARKINGS PAY ITEMS

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
700-1-11	SINGLE POST SIGN, F&I, UP TO 12SF	AS	6
700-1-50	SINGLE POST SIGN, RELOCATE	AS	8
700-1-60	SINGLE POST SIGN, REMOVE	AS	3
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	EA	153
711-11-141	THRMPLSTC, STD., WHITE, 2-4 DOTTED GUIDELINE/6-10 GAP EXTENSION, 6"	GM	0.100
711-11-160	THRMPLSTC, STD., WHITE, MESSAGE OR SYMBOL	EA	3
711-11-170	THRMPLSTC, STD., WHITE, ARROW	EA	6
711-11-224	THRMPLSTC, STD., YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	150
711-14-125	THRMPLSTC, PREFORMED, WHITE SOLID, 24"	LF	151
711-16-101	THRMPLSTC, STD.-OTHER SURFACES, WHITE SOLID, 6"	GM	0.438
711-16-201	THRMPLSTC, STD.-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.500
711-17	THRMPLSTC, REMOVE EXISTING THRMPLSTC PAVEMENT MARKINGS	SF	1731

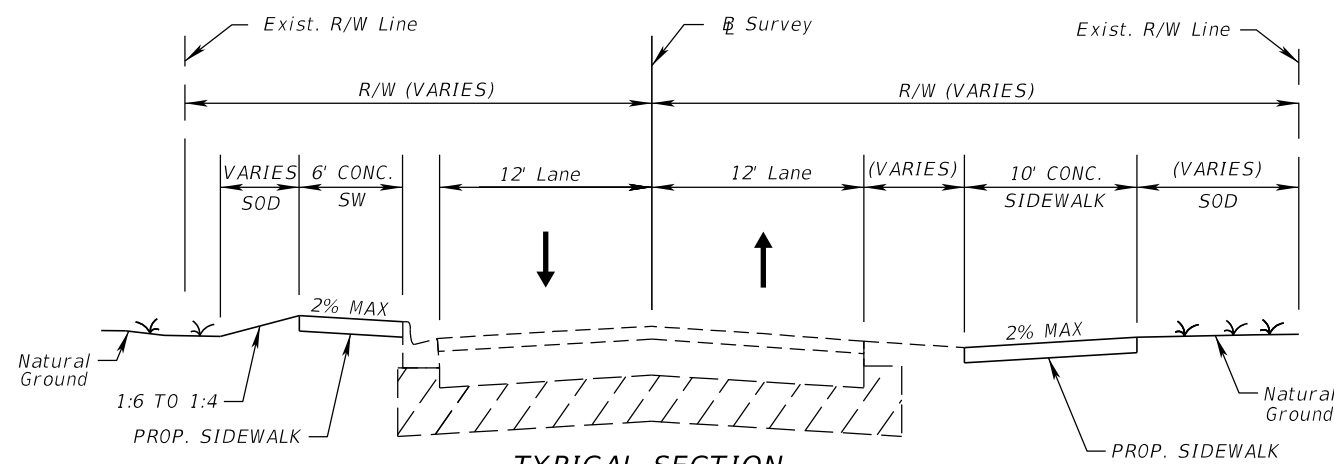
UTILITY PAY ITEMS

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
2103W	FURNISH / INSTALL 6" DIP W/POLYWRAP	LF	20
5200W	REMOVE AND RELOCATE EXISTING FIRE HYDRANT	EA	2
6002W	FURNISH / INSTALL 6" MJ GATE VALVE W/RESTRAINTS	EA	2
8100W	ADJUST WATER METER BOX	EA	1
9910W	ADJUST VALVE BOX TOP (HEIGHT)	EA	7
1055-15	UTILITY FITTINGS, 8" AND LARGER, ADJUST (CLEANOUT)	EA	1

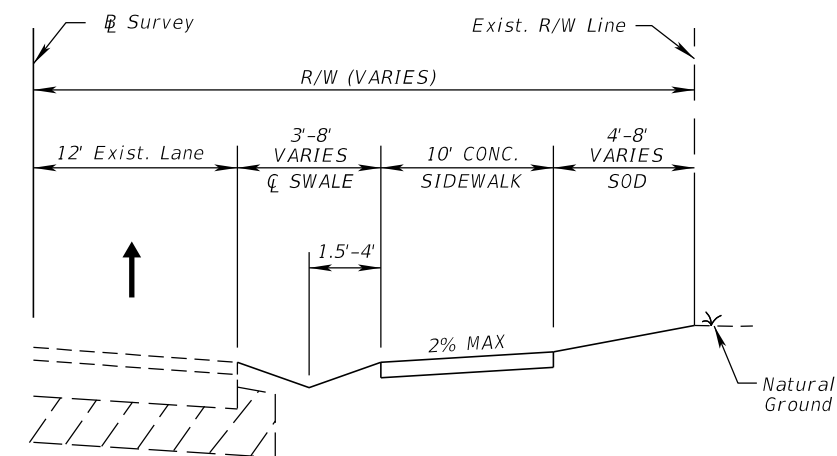
PAY ITEM NOTES:

- 520-3:
4' AND 7' VALLEY GUTTER INCLUDED IN COST OF PAY ITEM.
- 711-17:
REMOVAL OF RETRO-REFLECTIVE PAVEMENT MARKERS IS INCIDENTAL TO THE ASSOCIATED PAVEMENT MARKINGS BEING REMOVED.
- 2103W & 6002W:
PAY ITEMS INCLUDES PIPE FITTINGS AND MECHNICAL JOINT RESTRAINTS.

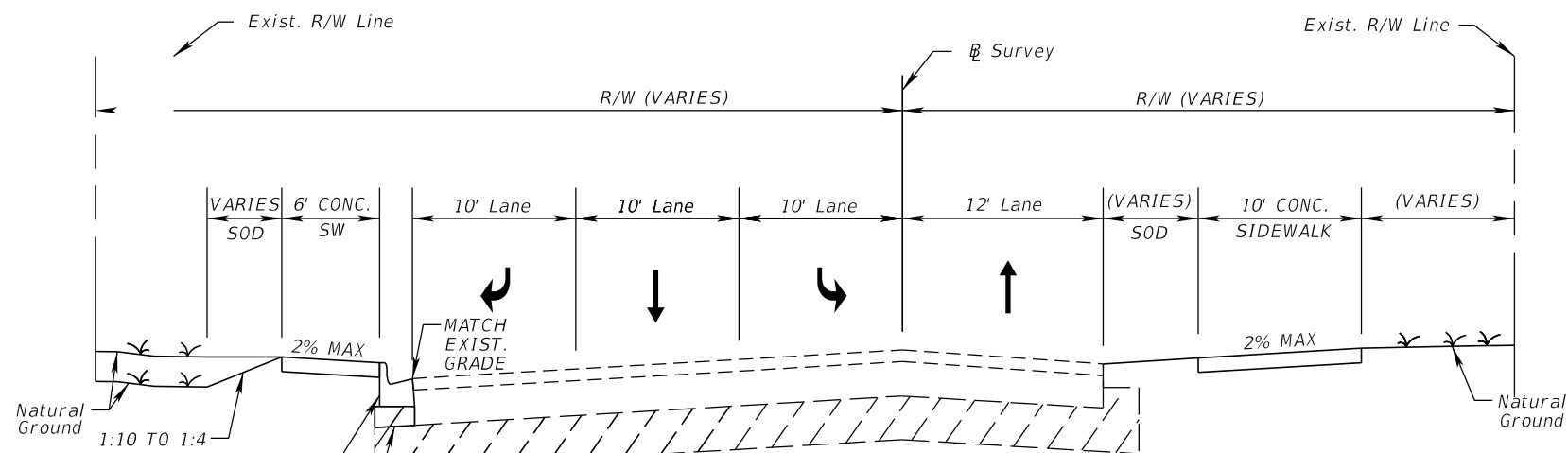
REVISIONS				GREGORY S. TRIM, P.E. P.E. LICENSE NUMBER 52935 SAM SCHWARTZ ENGINEERING 2709 N. ROCKY POINT DR., SUITE 104 TAMPA, FL 33607 CERTIFICATE OF AUTHORIZATION 30268	CITY OF TAMPA TRANSPORTATION DEPARTMENT		SUMMARY OF PAY ITEMS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
					432715-1-58-01	1000261		



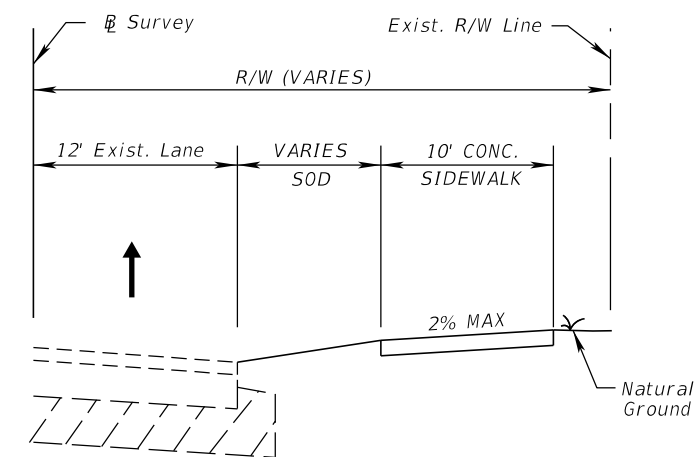
TYPICAL SECTION
E. BOUGAINVILLEA AVENUE
STA. 16+41.21 TO STA. 22+79.58



TYPICAL SECTION
E. BOUGAINVILLEA AVENUE
STA. 19+40.00 TO STA. 23+40.00

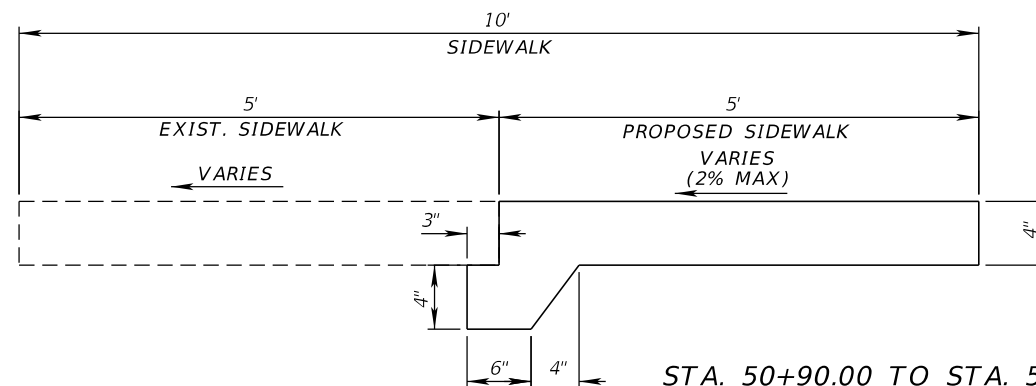


TYPICAL SECTION
E. BOUGAINVILLEA AVENUE
STA. 10+33.95 TO STA. 16+41.21



TYPICAL SECTION
E. BOUGAINVILLEA AVENUE
STA. 23+50.00 TO STA. 24+91.93

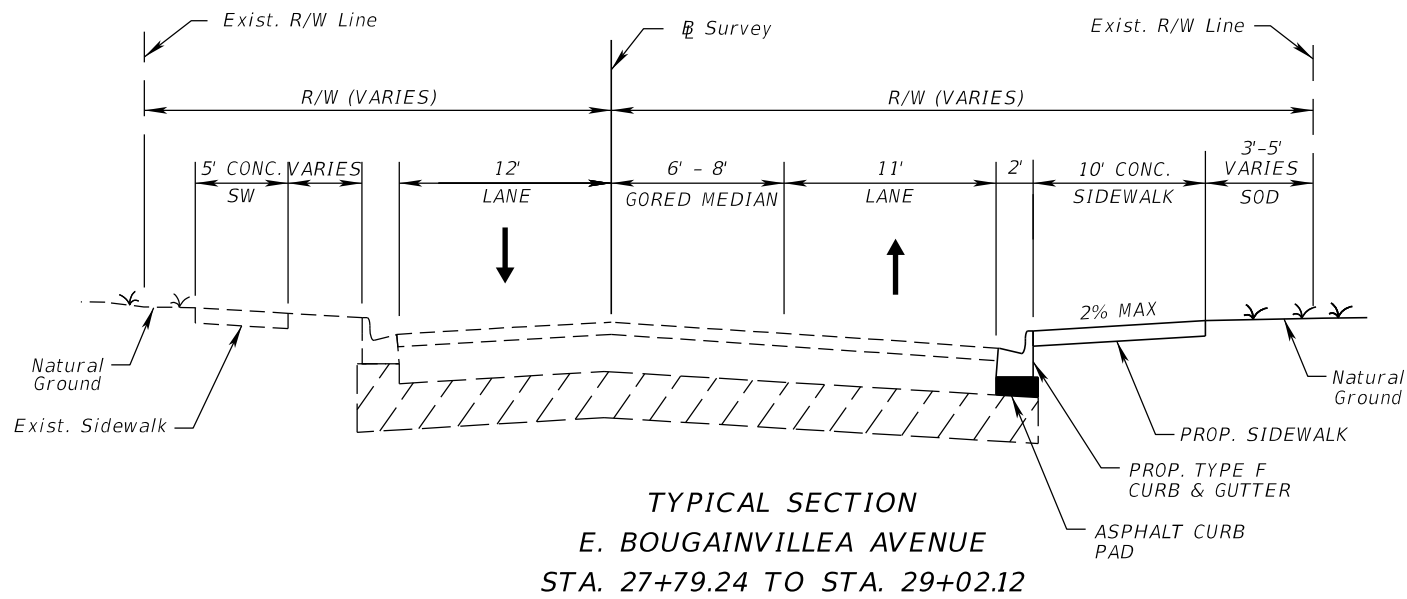
ROADWAY LANE MARKINGS RESTRIPIING
30th STREET TO UNIVERSITY CENTER DRIVE



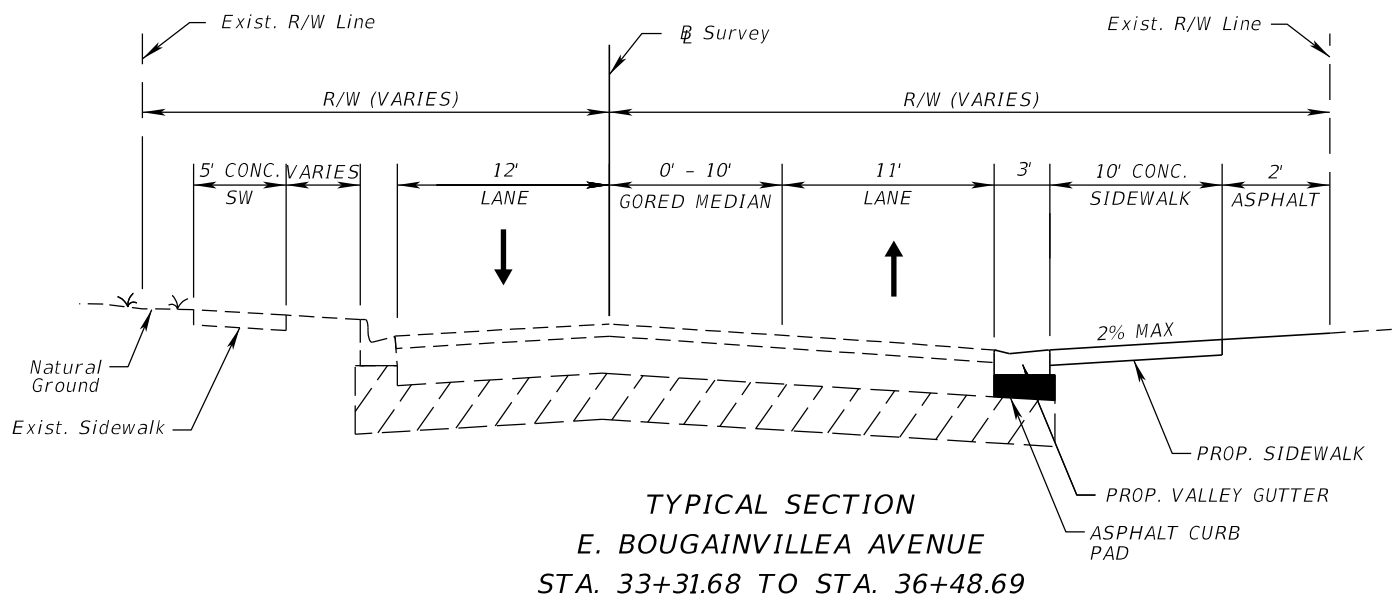
SIDEWALK EXTENSION DETAIL
E. BOUGAINVILLEA AVE.
STA. 42+58.44 TO STA. 43+02.60
STA. 43+82.47 TO STA. 45+28.77
STA. 47+41.45 TO STA. 49+80.00

- STA. 50+90.00 TO STA. 51+75.48
- STA. 52+59.47 TO STA. 54+75.21
- STA. 55+10.00 TO STA. 55+60.00
- STA. 56+80.00 TO STA. 58+50.00
- STA. 59+80.00 TO STA. 60+30.58
- STA. 62+09.11 TO STA. 62+19.26

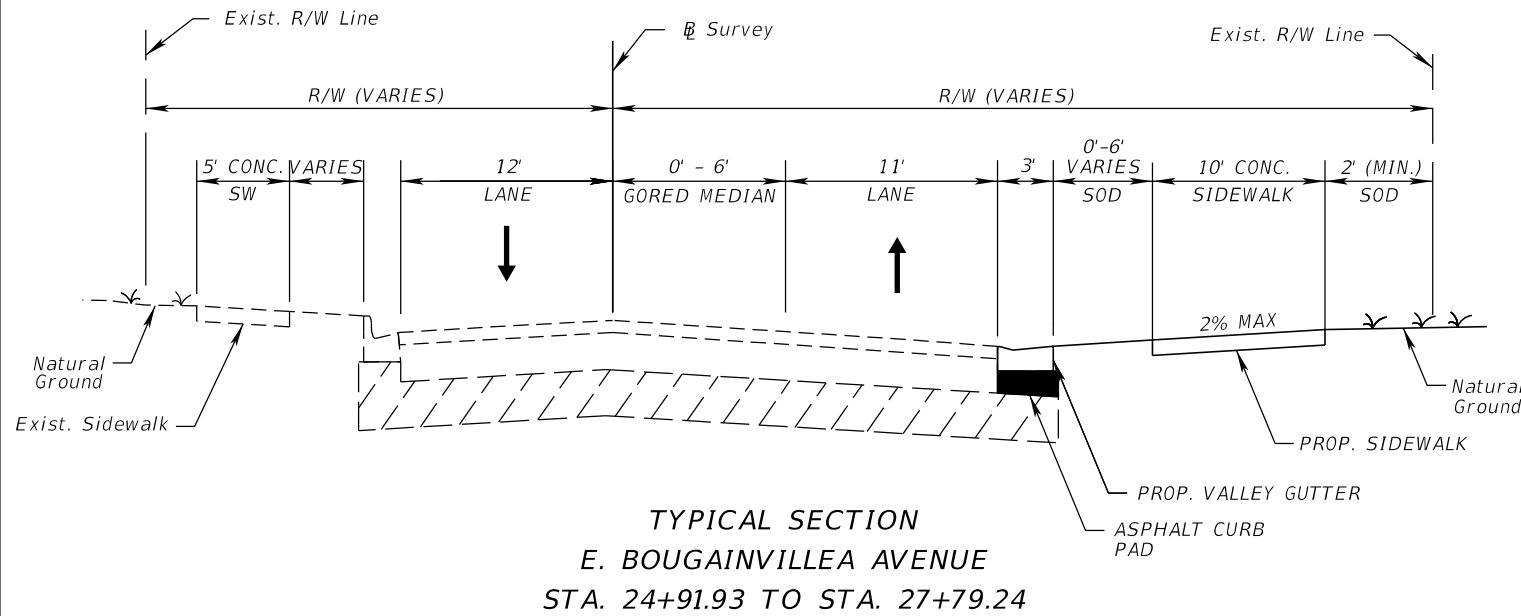
REVISIONS				GREGORY S. TRIM, P.E. P.E. LICENSE NUMBER 52935 SAM SCHWARTZ ENGINEERING 2709 N. ROCKY POINT DR., SUITE 104 TAMPA, FL 33607 CERTIFICATE OF AUTHORIZATION 30268	CITY OF TAMPA TRANSPORTATION DEPARTMENT		SHEET NO.
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					432715-1-58-01	1000261	TYPICAL SECTION (1) 3



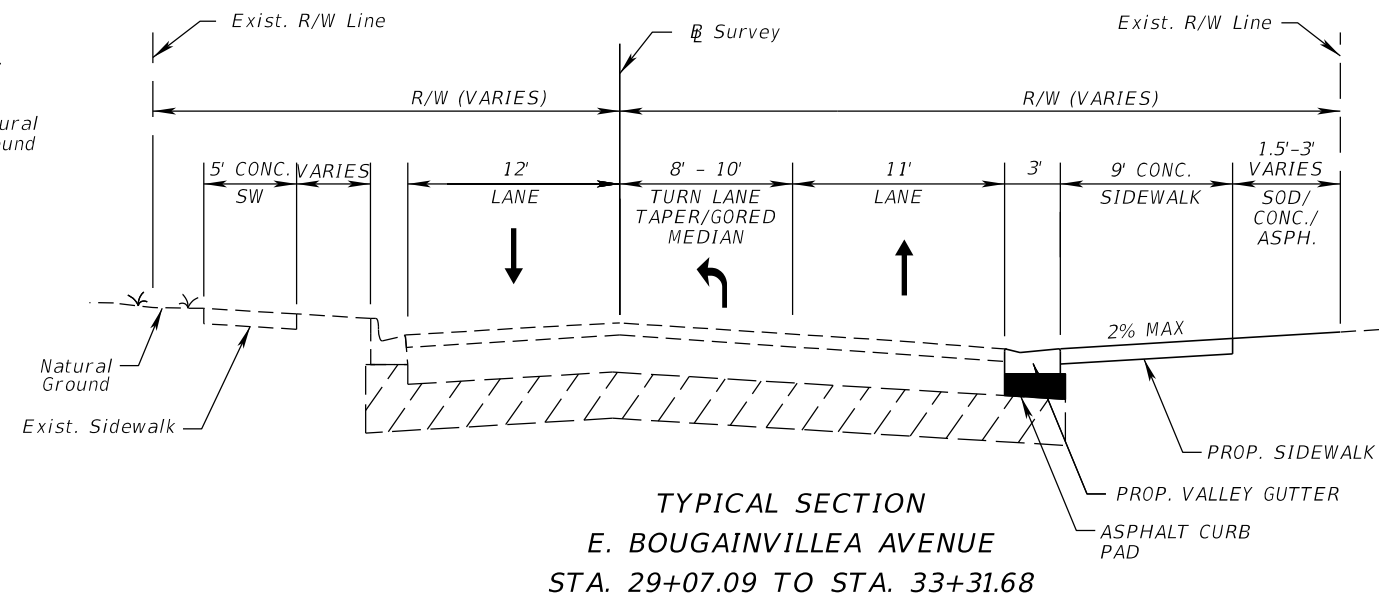
**TYPICAL SECTION
E. BOUGAINVILLEA AVENUE
STA. 27+79.24 TO STA. 29+02.12**



**TYPICAL SECTION
E. BOUGAINVILLEA AVENUE
STA. 33+31.68 TO STA. 36+48.69**

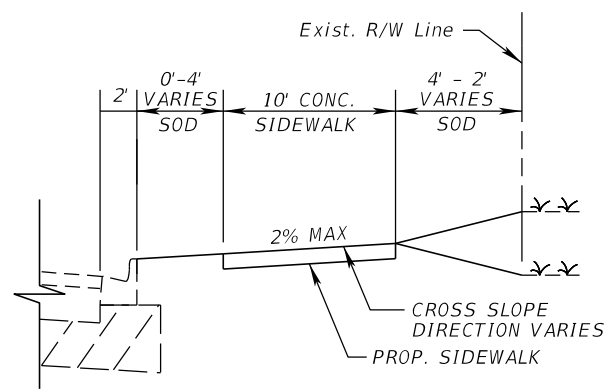


**TYPICAL SECTION
E. BOUGAINVILLEA AVENUE
STA. 24+91.93 TO STA. 27+79.24**

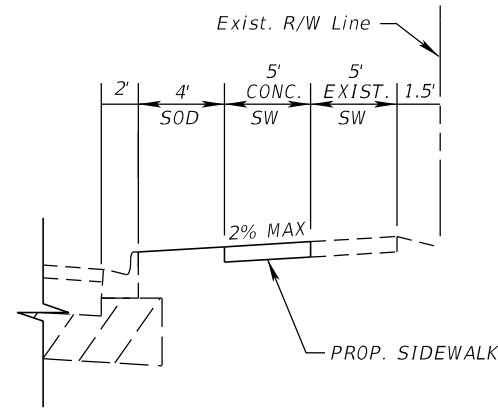


**TYPICAL SECTION
E. BOUGAINVILLEA AVENUE
STA. 29+07.09 TO STA. 33+31.68**

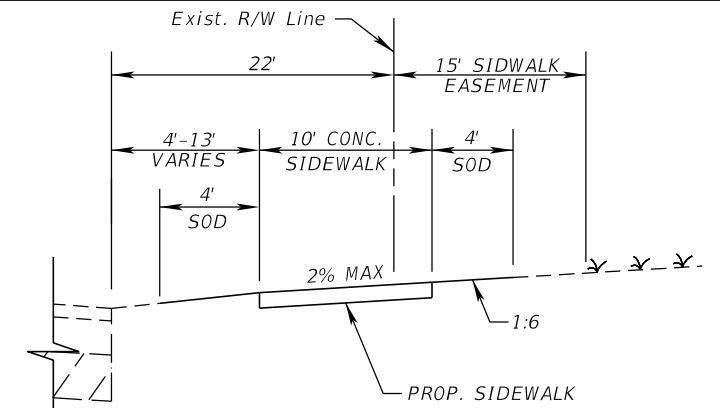
REVISIONS				GREGORY S. TRIM, P.E. P.E. LICENSE NUMBER 52935 SAM SCHWARTZ ENGINEERING 2709 N. ROCKY POINT DR., SUITE 104 TAMPA, FL 33607 CERTIFICATE OF AUTHORIZATION 30268	CITY OF TAMPA TRANSPORTATION DEPARTMENT		TYPICAL SECTION (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
					432715-1-58-01	1000261		



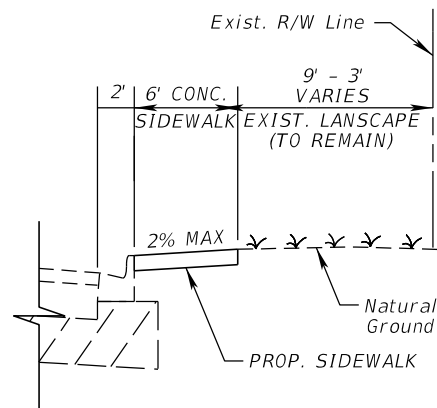
TYPICAL SECTION
E. BOUGAINVILLE AVENUE
STA. 43+02.60 TO STA. 43+82.47



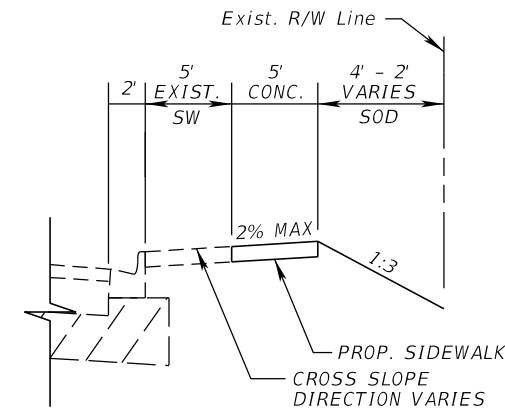
TYPICAL SECTION
E. BOUGAINVILLE AVENUE
STA. 43+82.47 TO STA. 45+28.77



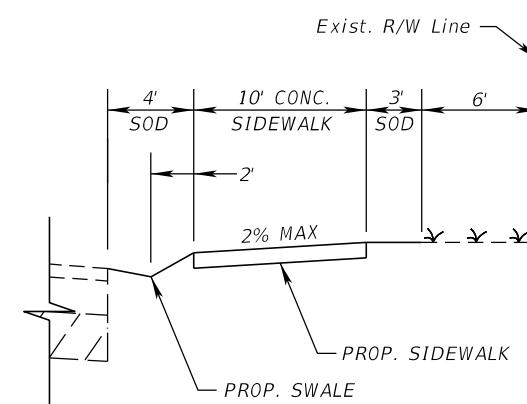
TYPICAL SECTION
E. BOUGAINVILLE AVENUE
STA. 51+75.48 TO STA. 52+59.47



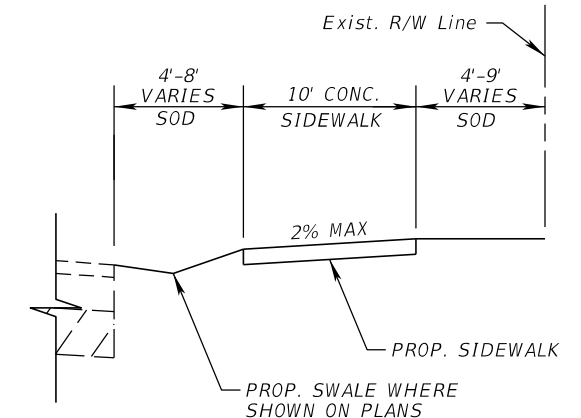
TYPICAL SECTION
E. BOUGAINVILLE AVENUE
STA. 40+68.53 TO STA. 41+39.81



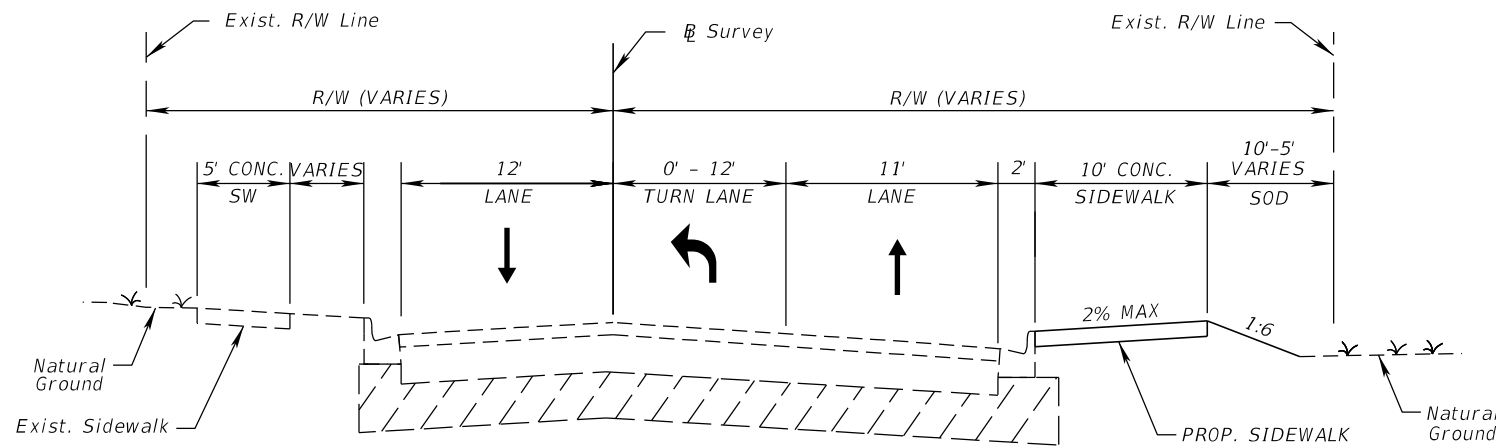
TYPICAL SECTION
E. BOUGAINVILLE AVENUE
STA. 42+58.44 TO STA. 43+02.60



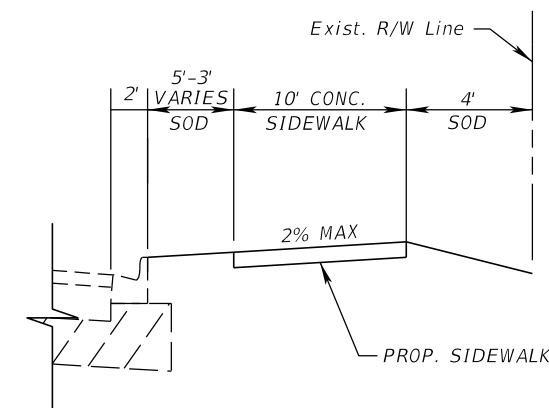
TYPICAL SECTION
E. BOUGAINVILLE AVENUE
STA. 49+80.00 TO STA. 50+15.40



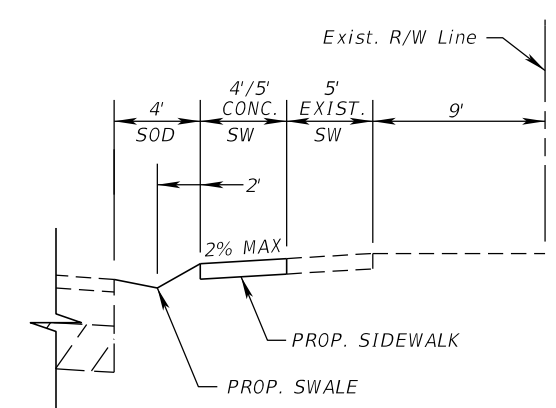
TYPICAL SECTION
E. BOUGAINVILLE AVENUE
STA. 50+65.25 TO STA. 50+90.00



TYPICAL SECTION
E. BOUGAINVILLE AVENUE
STA. 36+48.69 TO STA. 40+43.50



TYPICAL SECTION
E. BOUGAINVILLE AVENUE
STA. 45+28.77 TO STA. 46+23.30
STA. 46+79.00 TO STA. 47+08.53



TYPICAL SECTION
E. BOUGAINVILLE AVENUE
STA. 47+41.45 TO STA. 49+80.00
STA. 50+90.00 TO STA. 51+75.48

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

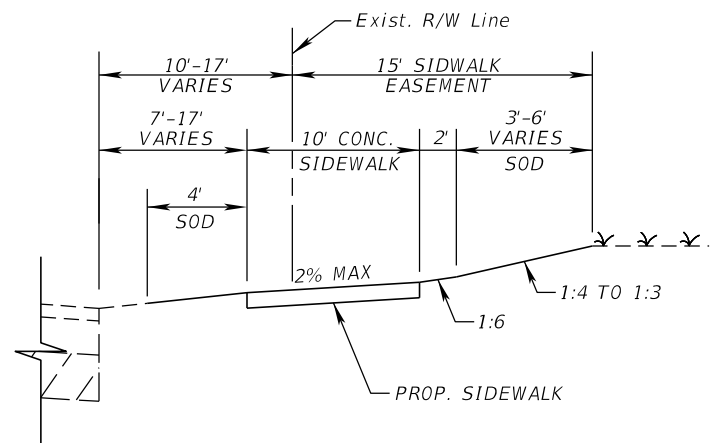
CITY OF TAMPA
TRANSPORTATION DEPARTMENT

FINANCIAL PROJECT ID	CITY PROJECT ID
432715-1-58-01	1000261

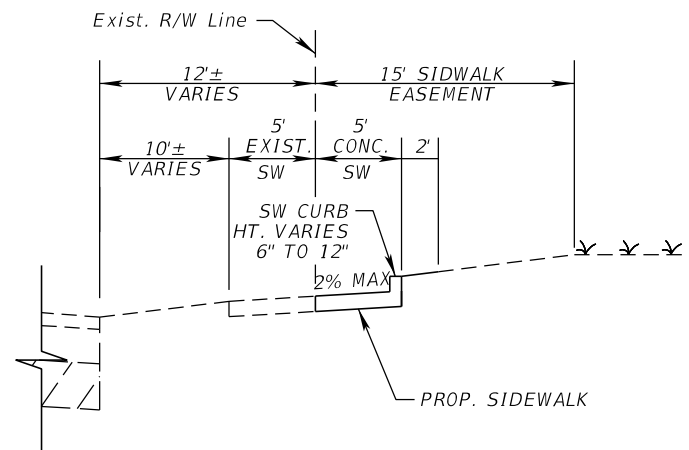
TYPICAL SECTION (3)

SHEET NO.

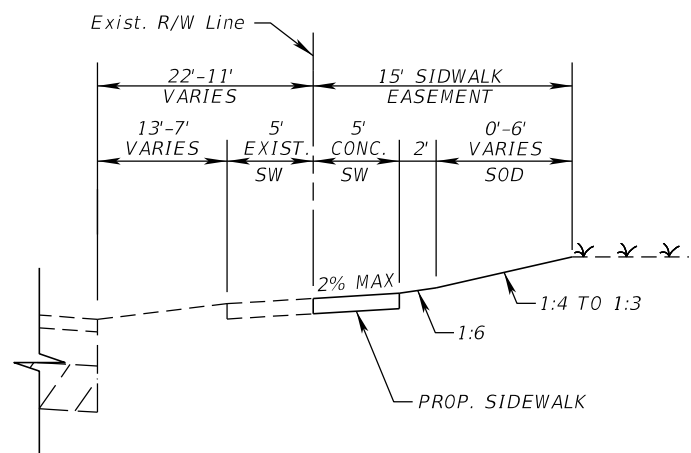
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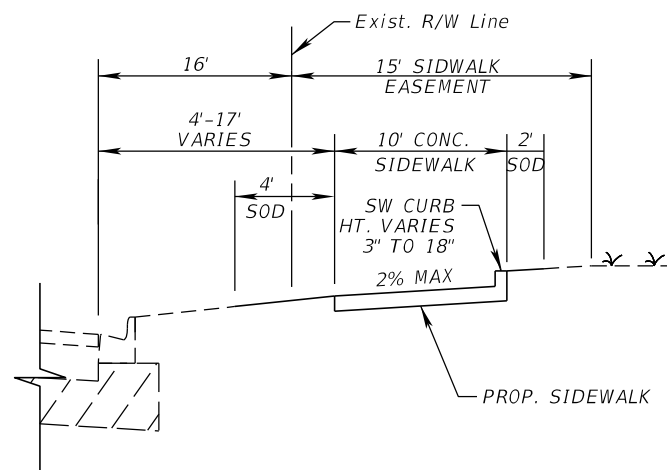
TYPICAL SECTION
E. BOUGAINVILLEA AVENUE
STA. 55+60.00 TO STA. 56+80.00
STA. 58+50.00 TO STA. 59+50.00



TYPICAL SECTION
E. BOUGAINVILLEA AVENUE
STA. 56+80.00 TO STA. 57+80.00
STA. 59+80.00 TO STA. 60+30.58

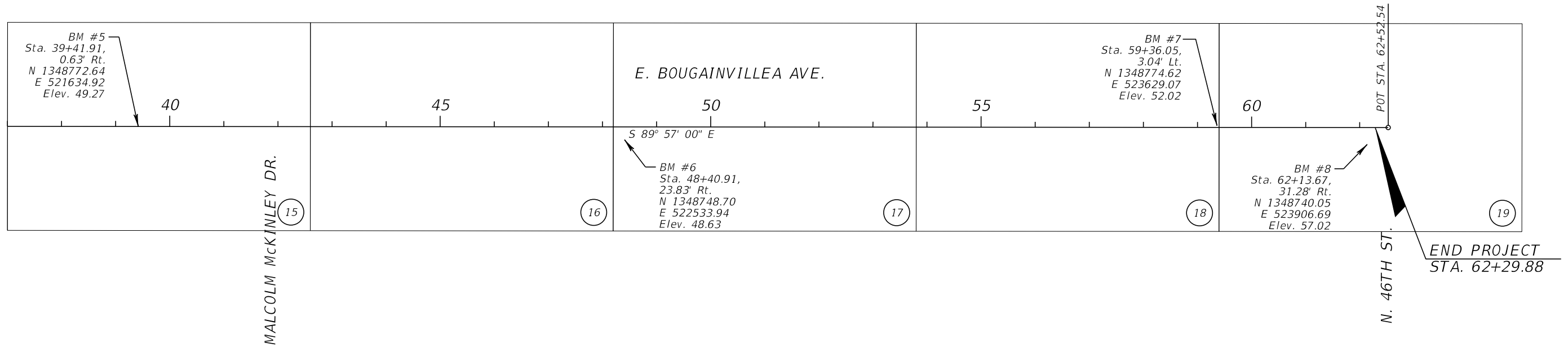
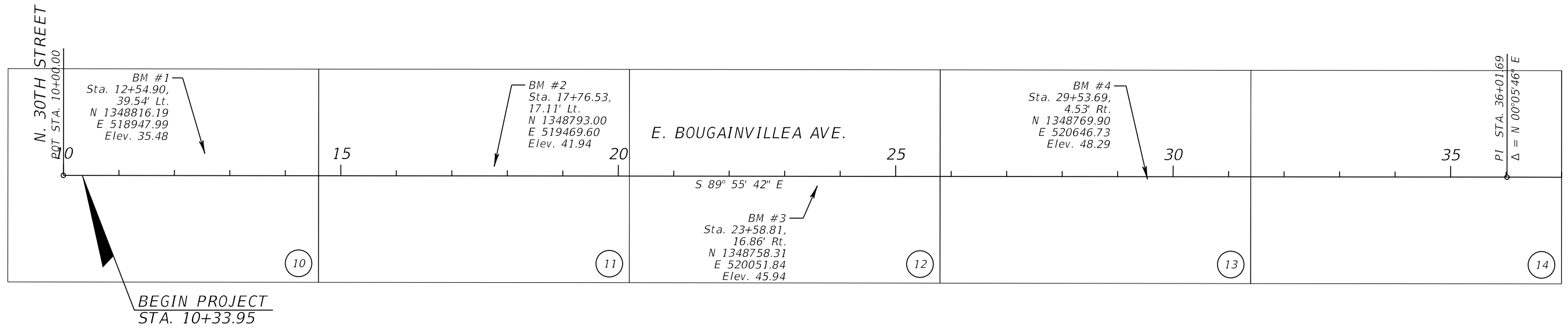


TYPICAL SECTION
E. BOUGAINVILLEA AVENUE
STA. 52+11.34 TO STA. 55+60.00
STA. 58+00.00 TO STA. 58+50.00
STA. 59+80.00 TO STA. 60+30.58



TYPICAL SECTION
E. BOUGAINVILLEA AVENUE
STA. 59+50.00 TO STA. 59+80.00
STA. 60+30.58 TO STA. 62+15.60

REVISIONS				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		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID	
					432715-1-58-01	1000261	TYPICAL SECTION (4) 6



REVISIONS				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		PROJECT LAYOUT (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
					432715-1-58-01	1000261		

CURVE DATA

CURVE NO.	LINE	P.C. STATION	P.I. STATION	P.T. STATION	Δ	D	T	L	R	e	DESIGN SPEED
C1	CL Sidewalk	100+04.087	100+28.619	100+52.286	29.2 Rt.	60.6	24.532	48.20	105.00		
C2	CL Sidewalk	101+42.343	101+46.760	101+51.172	5.6 Rt.	63.7	4.418	8.83	100.00		
C3	CL Sidewalk	101+70.776	101+75.438	101+80.092	5.9 Rt.	63.7	4.661	9.32	100.00		
C4	CL Sidewalk	102+02.098	102+08.918	102+15.717	8.7 Lt.	63.7	6.820	13.62	100.00		
C5	CL Sidewalk	103+53.895	103+67.008	103+79.972	16.6 Lt.	63.7	13.113	26.08	100.00		
C6	CL Sidewalk	103+79.972	104+06.657	104+32.127	33.2 Rt.	63.7	26.685	52.15	100.00		
C7	CL Sidewalk	104+32.127	104+45.239	104+58.204	16.6 Lt.	63.7	13.113	26.08	100.00		
C8	CL Sidewalk	104+96.356	105+05.767	105+15.151	8.3 Lt.	43.9	9.411	18.80	145.00		
C9	CL Sidewalk	105+21.541	105+30.952	105+40.336	8.3 Rt.	43.9	9.411	18.80	145.00		
C10	CL Sidewalk	106+12.337	106+20.637	106+28.933	3.6 Lt.	21.6	8.300	16.60	295.00		
C11	CL Sidewalk	106+38.518	106+45.652	106+52.784	3.1 Rt.	21.6	7.134	14.27	295.00		
C12	CL Sidewalk	107+89.473	108+00.728	108+11.888	14.3 Rt.	63.7	11.255	22.42	100.00		
C13	CL Sidewalk	108+11.888	108+23.081	108+34.181	14.2 Lt.	63.7	11.193	22.29	100.00		
C14	CL Sidewalk	110+34.797	110+43.728	110+52.611	11.3 Lt.	63.7	8.931	17.81	100.00		
C15	CL Sidewalk	110+52.611	110+61.461	110+70.265	11.2 Rt.	63.7	8.850	17.65	100.00		
C16	CL Sidewalk	111+41.305	111+46.038	111+50.767	3.9 Lt.	41.1	4.733	9.46	155.00		
C17	CL Sidewalk	111+61.645	111+66.072	111+70.497	3.9 Rt.	43.9	4.427	8.85	145.00		
C18	CL Sidewalk	112+05.867	112+13.867	112+21.851	7 Rt.	43.9	8.000	15.98	145.00		
C19	CL Sidewalk	112+44.825	112+52.613	112+60.386	6.8 Lt.	43.9	7.788	15.56	145.00		
C20	CL Sidewalk	114+08.726	114+18.703	114+28.615	12.7 Lt.	63.7	9.977	19.89	100.00		
C21	CL Sidewalk	114+29.141	114+39.035	114+48.866	12.6 Rt.	63.7	9.895	19.73	100.00		
C22	CL Sidewalk	114+50.190	114+59.954	114+69.657	12.4 Rt.	63.7	9.764	19.47	100.00		
C23	CL Sidewalk	114+81.750	114+91.450	115+01.090	12.3 Lt.	63.7	9.700	19.34	100.00		
C24	CL Sidewalk	116+93.517	116+99.614	117+05.696	7.8 Lt.	63.7	6.097	12.18	100.00		
C25	CL Sidewalk	117+21.299	117+28.361	117+35.399	9 Rt.	63.7	7.062	14.10	100.00		
C26	CL Sidewalk	130+78.567	130+86.538	130+94.387	19.2 Rt.	121.2	7.970	15.82	52.52		
C27	CL Sidewalk	132+21.584	132+30.552	132+39.349	21.5 Rt.	120.9	8.968	17.77	52.65		
C28	CL Sidewalk	132+39.349	132+55.735	132+71.431	31.9 Rt.	99.5	16.386	32.08	63.95		
C29	CL Sidewalk	133+43.488	133+46.313	133+49.136	3.6 Lt.	63.7	2.825	5.65	100.00		
C30	CL Sidewalk	134+96.666	135+01.408	135+06.144	6 Lt.	63.7	4.743	9.48	100.00		
C31	CL Sidewalk	135+17.508	135+22.450	135+27.383	6.3 Rt.	63.7	4.942	9.88	100.00		
C32	CL Sidewalk	136+62.965	136+68.992	136+75.004	7.7 Lt.	63.7	6.027	12.04	100.00		
C33	CL Sidewalk	136+97.594	137+03.234	137+08.862	7.2 Rt.	63.7	5.640	11.27	100.00		
C34	CL Sidewalk	141+58.010	141+68.465	141+78.845	13.3 Rt.	63.7	10.455	20.83	100.00		
C35	CL Sidewalk	142+08.996	142+19.237	142+29.407	13.0 Lt.	63.7	10.241	20.41	100.00		
C36	CL Sidewalk	150+23.844	150+53.060	150+81.886	18.0 Lt.	31.1	29.216	58.04	205.00		
C37	CL Sidewalk	150+88.367	151+02.378	151+16.208	17.7 Rt.	63.7	14.011	27.84	100.00		
C38	CL Sidewalk	151+75.635	151+80.304	151+84.688	38.4 Rt.	424.4	4.669	9.05	15.00		
C39	CL Sidewalk	151+84.688	151+89.042	151+93.352	15.7 Rt.	181.5	4.354	8.66	35.08		

REVISIONS				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		PROJECT LAYOUT (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		8
					432715-1-58-01	1000261		

PROJECT NOTES

1. THE COORDINATES AND DISTANCES SHOWN HEREON ARE GRID COORDINATES AND ARE BASED ON THE FLORIDA WEST ZONE TRANSVERSE MERCATOR STATE PLAN COORDINATE SYSTEM NAD83 (1990 ADJUSTMENT), DERIVED FROM CITY OF TAMPA CONTROL MONUMENTS AS SHOWN ON THE CONTROL BASELINE SURVEY FOR EAST BOUGAINVILLEA AVE., PROVIDED BY THE CITY OF TAMPA. THE BEARING BASIS IS THE WEST BOUNDARY OF THE SOUTHWEST ¼ OF SECTION 16, TOWNSHIP 28 SOUTH, RANGE 19 EAST, BEARING N 00°05'38" E.
2. ELEVATIONS SHOWN HEREON ARE DERIVED FROM CITY OF TAMPA BENCHMARKS AS SHOWN ON THE CONTROL BASELINE SURVEY FOR EAST BOUGAINVILLEA AVE., PROVIDED BY THE CITY OF TAMPA DATED 4/22/2014, REPORTED TO BE NAVD88 DATUM.
3. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
4. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH, UNLESS OTHERWISE SHOWN IN THE PLANS.
5. 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.
6. 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.
7. TREES WITHIN THE LIMITS OF THIS PROJECT THAT ARE TO REMAIN SHALL BE TRIMMED. 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.

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL USE APPROPRIATE MEASURES TO PREVENT EROSION 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.
2. THE CONTRACTOR SHALL CHECK ALL EROSION AND SILTATION CONTROL DEVICES AFTER EACH RAINFALL AND REPAIR OR REPLACE THEM AS NEEDED.
3. THE CONTRACTOR SHALL CONTROL ALL FUGITIVE DUST GENERATED BY CONSTRUCTION ACTIVITIES ON THE PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
4. ALL UNSUITABLE MATERIAL ENCOUNTERED DURING CONSTRUCTION, AS DETERMINED BY THE CITY CONSTRUCTION INSPECTOR, SHALL BE REMOVED AND REPLACED WITH CLEAN FILL.
5. FOR LOCATIONS WHERE NEW CURB WILL BE CONSTRUCTED ADJACENT TO AN EXISTING ROAD OR DRIVEWAY AN ASPHALT CURB PAD SHALL BE CONSTRUCTED UNDER THE PROPOSED CURB. THE ASPHALT CURB PAD SHALL HAVE A MINIMUM THICKNESS OF 4" AND EXTEND A MINIMUM OF 4" BEHIND THE BACK OF CURB.
6. THE CONTRACTOR SHALL CONTACT THE PROPERTY OWNER 96 HOURS PRIOR TO CLEARING AND GRUBBING EXISTING SPRINKLER SYSTEMS, SIGNS OR LANDSCAPING TO BE REMOVED WITHIN THE PROJECT LIMITS.
7. NON-STRUCTURAL (NS) CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI.

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 UNLESS CALLED FOR OTHERWISE ON THE PLANS. 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).

TRAFFIC SIGNAL NOTES:

1. ANY TRAFFIC SIGNAL EQUIPMENT RELOCATION WILL BE PREFORMED BY CITY FORCES, CONTACT VIK BHIDE (813) 274-8066. WHEN THE INITIAL PAVEMENT MARKINGS ARE COMPLETE.
2. DAMAGED LOOPS AND FEEDERS WILL BE REPLACED AS PART OF THIS PROJECT. BEFORE THE LOOPS ARE CUT, NOTIFY TRAFFIC OPERATIONS, ED ABBOT AT (813) 622-1967, (813) 274-1974 OR (813) 274-1969 SO THAT HE CAN ORGANIZE REPLACEMENT.
3. UNDERGROUND SIGNAL CABLE, FIBER OPTIC LINES AND CONDUIT EXIST AT SIGNALIZED INTERSECTIONS. ALL SIGNS WITHIN 50' OF A SIGNALIZED INTERSECTION MUST BE MARKED IN WHITE PRIOR TO CONTACTING SUNSHINE AND INSTALLATION.

TREE REMOVAL

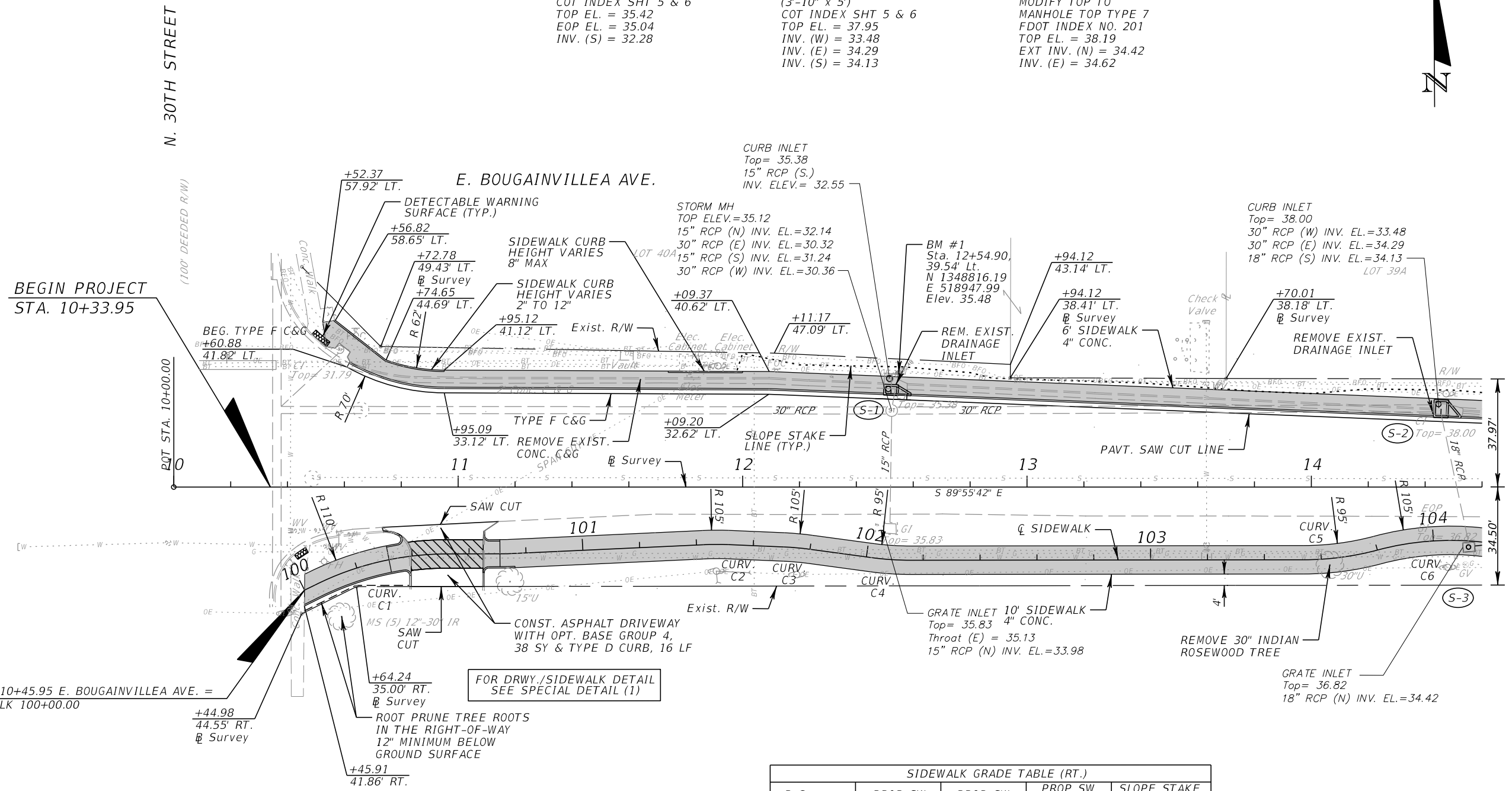
TREE REMOVAL/REPLACEMENT TABLE			
TREES RETAINED DIAMETER (INCHES)	# OF TREES	MULTIPLIER FOR	TOTAL CREDITS
5" TO 7"	0	0	0
8" TO 12"	0	1	0
13" TO 19"	0	2	0
20" TO 29"	0	4	0
30" OR MORE	0	10	0
ALL PALMS	0	1	0
TOTAL	0		0
TREES REMOVED DIAMETER (INCHES)	# OF TREES	MULTIPLIER FOR	TOTAL DEBITS
5" TO 7"	1	0	0
8" TO 12"	0	1	0
13" TO 19"	0	2	0
20" TO 29"	8	4	32
30" OR MORE	0	INCH FOR INCH	0
ALL PALMS	0	1	0
TOTAL	9		32
% 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 <u>NONE</u> MUST PLACE "0" IF NO USE TREES REQ'D	0	1 PER 1500 SF	0
TOTAL 2" TREES REQUIRED			32

REVISIONS				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		PROJECT NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
					432715-1-58-01	1000261		

(S-1) STA. 12+53.62, 30.82' LT.
 COT TYPE 2 INLET
 COT INDEX SHT 5 & 6
 TOP EL. = 35.42
 EOP EL. = 35.04
 INV. (S) = 32.28

(S-2) STA. 14+47.48, 22.93' LT.
 COT TYPE 2 INLET,
 (3'-10" x 5')
 COT INDEX SHT 5 & 6
 TOP EL. = 37.95
 INV. (W) = 33.48
 INV. (E) = 34.29
 INV. (S) = 34.13

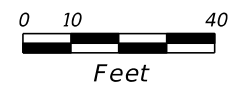
(S-3) STA. 14+55.30, 21.07' RT.
 EXIST. COT TYPE E INLET,
 MODIFY TOP TO
 MANHOLE TOP TYPE 7
 FDOT INDEX NO. 201
 TOP EL. = 38.19
 EXT INV. (N) = 34.42
 INV. (E) = 34.62



Survey 10+45.95 E. BOUGAINVILLE AVE. =
 SIDEWALK 100+00.00

FOR DRWY./SIDEWALK DETAIL
 SEE SPECIAL DETAIL (1)

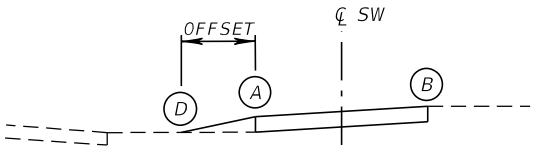
Survey Sta.	PROP SW GRADE (A)	PROP SW GRADE (B)	PROP SW CURB GRADE (C)	SLOPE STAKE GRADE (D) (OFFSET)
11+11.30, RT.	34.04	34.22	34.72	—
11+17.20, RT.	34.55	34.75	35.10	—
11+20.00, RT.	34.76	34.95	—	—
11+60.00, RT.	34.90	35.10	—	34.50 (2')
12+00.00, RT.	35.20	35.40	—	35.12 (0.5')
12+51.90, RT.	35.88	36.08	—	—
12+80.00, RT.	36.13	36.33	—	36.06 (0.5')
13+20.00, RT.	36.55	36.75	—	36.48 (0.5')
13+60.00, RT.	37.25	37.45	—	36.91 (2')
14+00.00, RT.	38.00	38.20	—	37.55 (3')
14+40.00, RT.	37.90	38.10	—	37.62 (4', EOP)
14+60.00, RT.	38.10	38.30	—	37.90 (4', EOP)



LEGEND

PROPOSED 4" CONCRETE SIDEWALK

PROPOSED 6" CONCRETE SIDEWALK

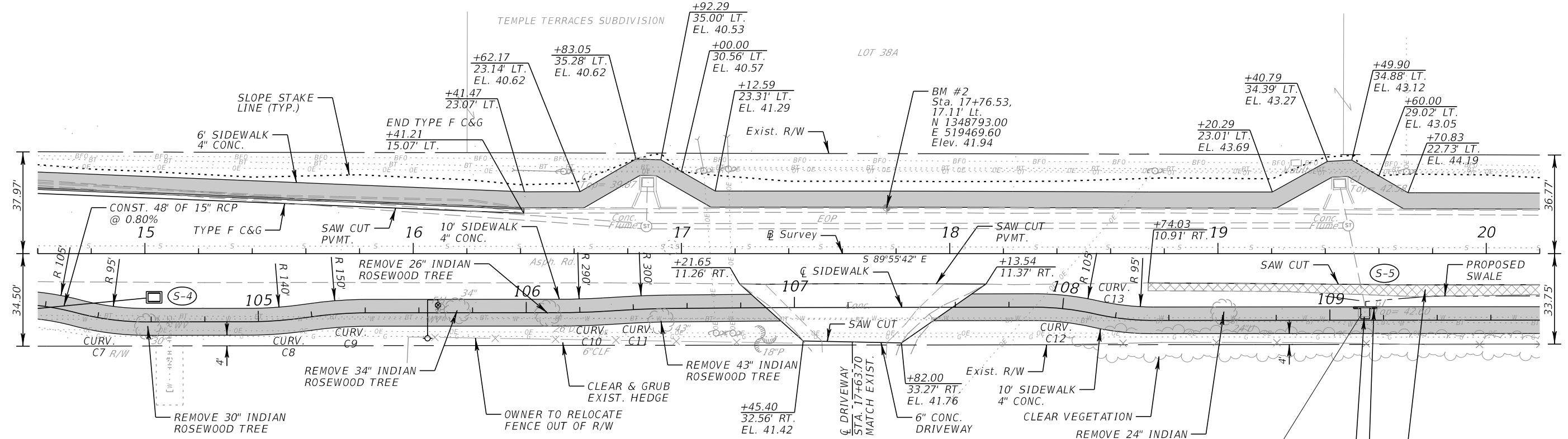


REVISIONS				GREGORY S. TRIM, P.E. P.E. LICENSE NUMBER 52935 SAM SCHWARTZ ENGINEERING 2709 N. ROCKY POINT DR., SUITE 104 TAMPA, FL 33607 CERTIFICATE OF AUTHORIZATION 30268	CITY OF TAMPA TRANSPORTATION DEPARTMENT		E. BOUGAINVILLE AVE ROADWAY PLAN (1)	SHEET NO. 10
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
					432715-1-58-01	1000261		

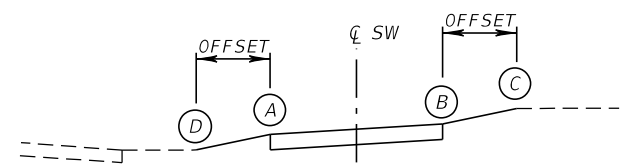
- (S-4) STA. 15+03.40, 16.28' RT.
COT TYPE E GRATE INLET
W/ STEEL GRATE
COT INDEX SHT 21
TOP EL. = 38.00
INV. (W) = 35.00
- (S-5) STA. 19+55.09, 21.52' RT.
FDOT DITCH BOTTOM
INLET TYPE C MOD.
FRONT OF SIDEWALK DRAINAGE
FDOT INDEX NO. 282
TOP EL. = 43.85
THROAT INV. = 42.85
INV. (N) = 39.80



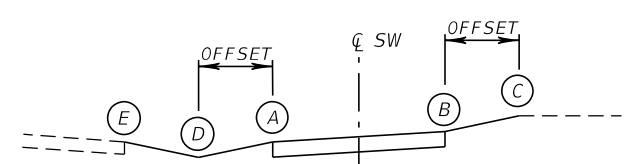
E. BOUGAINVILLEA AVE.



SIDEWALK GRADE TABLE (RT.)					
Survey Sta.	PROP SW GRADE (A)	PROP SW GRADE (B)	SLOPE STAKE GRADE (C) (OFFSET)	SLOPE STAKE/ SWALE GRADE (D) (OFFSET)	EXIST. PVMT GRADE (E)
14+60.00, RT.	38.10	38.30	38.45 (7')	37.90 (4', EOP)	-
15+03.40, RT.	38.40	38.60	39.00 (3')	38.00 (2.5', INLET)	38.37
15+20.00, RT.	39.00	39.20	39.30 (1.5')	38.76 (1.5')	-
15+60.00, RT.	39.50	39.70	39.80 (1.5')	39.07 (3')	-
16+00.00, RT.	39.65	39.85	39.88 (3')	39.50 (6', EOP)	-
16+40.00, RT.	40.25	40.45	39.92 (4')	40.02 (6', EOP)	-
16+80.00, RT.	40.75	40.95	40.13 (5')	40.53 (5', EOP)	-
17+20.00, RT.	41.00	41.20	-	40.88 (4', EOP)	-
17+60.00, RT.	41.41	41.58	41.71 (8', DRWY)	41.32 (4', EOP)	-
18+14.00, RT.	42.20	42.40	-	41.96 (4', EOP)	-
18+40.00, RT.	42.60	42.80	-	42.26 (4', EOP)	-
18+80.00, RT.	43.00	43.20	42.72 (3')	42.81 (9', EOP)	-
19+20.00, RT.	43.40	43.60	43.79 (3')	43.13 (9', EOP)	-
19+40.00, RT.	43.45	43.65	44.20 (4')	43.00 (4', SWALE)	43.34
19+55.09, RT.	43.85	44.05	44.26 (4')	42.85 (1', THROAT)	43.50
20+00.00, RT.	44.30	44.50	44.67 (4')	43.63 (4', SWALE)	43.96

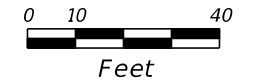


SIDEWALK GRADE TABLE STA. 14+60 TO STA. 19+20



SIDEWALK GRADE TABLE STA. 19+40 TO STA. 23+40

GRATE INLET
Top = 42.60
15" RCP (N) INV. EL. = 39.80
REMOVE EXIST. DRAINAGE INLET
CONST. 9 LF OF STEEL PIPE GUIDERAIL
REMOVE SHOULDER REPLACE WITH SOD



- LEGEND**
- PROPOSED 4" CONCRETE SIDEWALK
 - EXISTING SHOULDER TO BE REMOVED

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	
FINANCIAL PROJECT ID	CITY PROJECT ID
432715-1-58-01	1000261

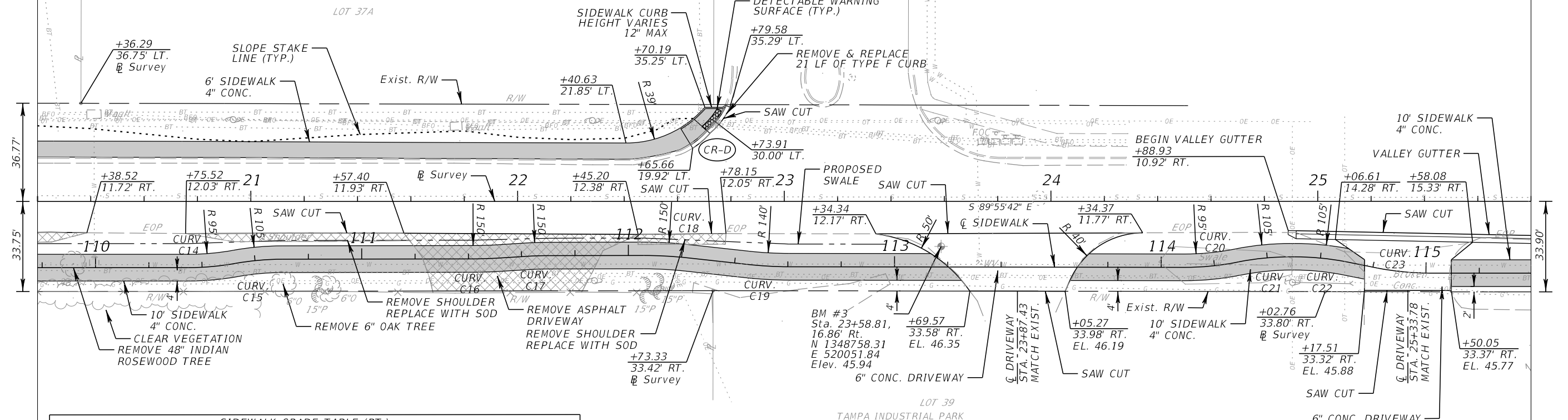
**E. BOUGAINVILLEA AVE
ROADWAY PLAN (2)**

SHEET NO.
11

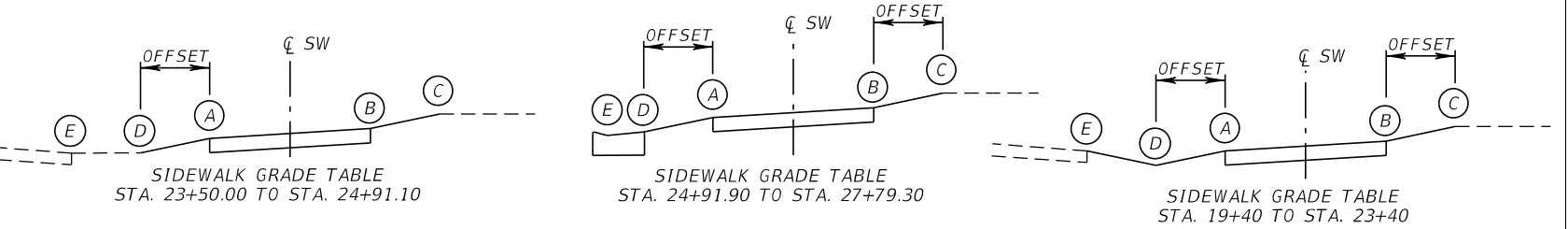


UNIVERSITY CENTER DR.

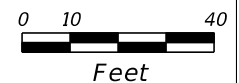
E. BOUGAINVILLEA AVE.



Survey Sta.	PROP SW GRADE (A)	PROP SW GRADE (B)	SLOPE STAKE GRADE (C) (OFFSET)	SLOPE STAKE/ SWALE GRADE (D) (OFFSET)	EXIST. PVMT GRADE (E)
20+40.00, RT.	44.80	45.00	-	44.13 (4', SWALE)	44.26
20+76.70, RT.	44.70	44.90	44.98 (4')	44.30 (4', SWALE)	44.61
21+01.70, RT.	44.90	45.10	45.30 (6')	44.57 (2', SWALE)	44.83
21+26.20, RT.	45.10	45.30	45.80 (6')	44.77 (2', SWALE)	45.06
21+47.30, RT.	45.30	45.50	46.10 (7')	44.97 (2', SWALE)	45.24
21+82.80, RT.	45.60	45.80	46.40 (7')	45.27 (2', SWALE)	45.58
22+12.00, RT.	45.80	46.00	46.70 (8')	45.55 (1.5', SWALE)	45.80
22+47.40, RT.	46.00	46.20	46.70 (3')	45.75 (1.5', SWALE)	45.94
23+01.70, RT.	46.10	46.30	46.44 (4')	45.85 (4', SWALE)	45.98
23+40.00, RT.	46.00	46.12	46.12 (0')	45.60 (3.5' SWALE)	45.90
23+56.40, RT.	45.95	46.15	46.30 (4')	45.89 (7.5', EOP)	-
23+86.90, RT.	45.95	46.05	46.20 (4', DRWY)	45.87 (7.5', EOP)	-
24+13.90, RT.	45.89	46.09	46.20 (4')	45.80 (7.5', EOP)	-
24+50.00, RT.	45.85	45.95	46.00 (4')	45.71 (7.5', EOP)	-



Survey Sta.	PROP SW GRADE (A)	PROP SW GRADE (B)	SLOPE STAKE GRADE (C) (OFFSET)	GUTTER EDGE GRADE (D)	GUTTER FLOW GRADE (E)
24+91.90, RT.	45.64	45.74	45.76 (3')	45.63	45.53
25+31.60, RT.	45.70	45.90	45.96 (2.5', DRWY)	45.52	45.42
25+49.80, RT.	45.60	45.75	45.77 (2')	45.46	45.36
25+79.00, RT.	45.23	45.23	45.24 (3')	45.22	45.12



LEGEND

- PROPOSED 4" CONCRETE SIDEWALK
- EXISTING SHOULDER TO BE REMOVED

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	
FINANCIAL PROJECT ID	CITY PROJECT ID
432715-1-58-01	1000261

**E. BOUGAINVILLEA AVE
ROADWAY PLANS (3)**

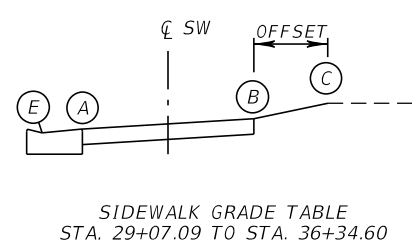
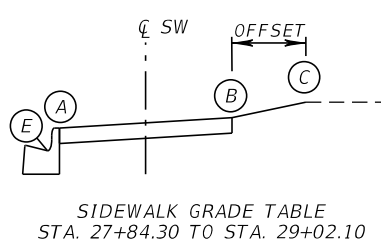
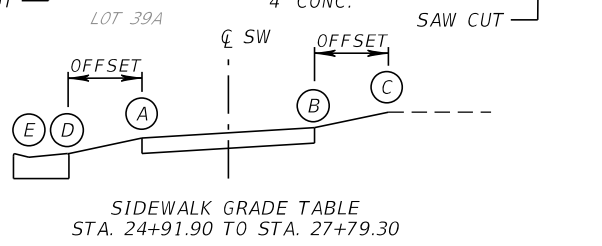
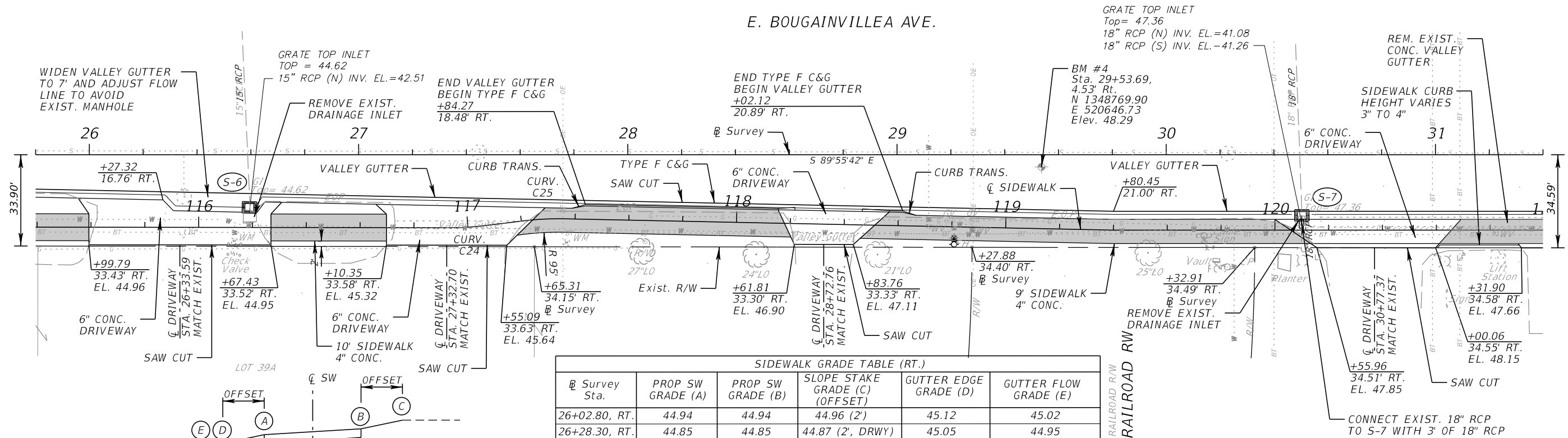
SHEET NO.
12



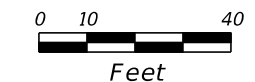
(S-6) STA. 26+59.43, 19.54' RT.
 FDOT GUTTER INLET TYPE V (<10")
 W/ STEEL GRATE
 FDOT INDEX NO. 221
 TOP EL. = 44.76
 INV. (N) = 42.51

(S-7) STA. 30+50.38, 22.50' RT.
 FDOT GUTTER INLET TYPE V (<10")
 W/ STEEL GRATE
 FDOT INDEX NO. 221
 TOP EL. = 47.26
 INV. (N) = 41.08
 INV. (S) = 41.26

E. BOUGAINVILLEA AVE.



SIDEWALK GRADE TABLE (RT.)					
Survey Sta.	PROP SW GRADE (A)	PROP SW GRADE (B)	SLOPE STAKE GRADE (C) (OFFSET)	GUTTER EDGE GRADE (D)	GUTTER FLOW GRADE (E)
26+02.80, RT.	44.94	44.94	44.96 (2')	45.12	45.02
26+28.30, RT.	44.85	44.85	44.87 (2', DRWY)	45.05	44.95
26+59.60, RT.	44.76	44.90	44.94 (2')	44.76	44.66
26+85.10, RT.	45.10	45.20	45.24 (2')	45.06	44.96
27+39.90, RT.	45.50	45.50	45.50 (2', DRWY)	45.59	45.49
27+79.30, RT.	45.88	45.98	45.82 (5')	45.88	45.78
28+06.70, RT.	46.63	46.73	46.35 (4')	-	46.13
28+47.70, RT.	47.13	47.33	47.42 (4')	-	46.63
28+73.00, RT.	47.08	47.21	46.96 (2.5', DRWY)	-	46.92
29+02.10, RT.	47.74	47.84	47.66 (3')	-	47.24
29+60.00, RT.	47.88	47.98	47.59 (2')	-	47.78
29+94.00, RT.	47.99	48.09	47.78 (2')	-	47.89
30+27.50, RT.	47.92	48.12	47.90 (2')	-	47.82
30+50.40, RT.	47.36	47.56	47.90 (2')	-	47.26
30+80.00, RT.	47.71	47.89	48.02 (2', DRWY)	-	47.61
31+20.00, RT.	47.55	47.75	48.00 (SW CURB)	-	47.45



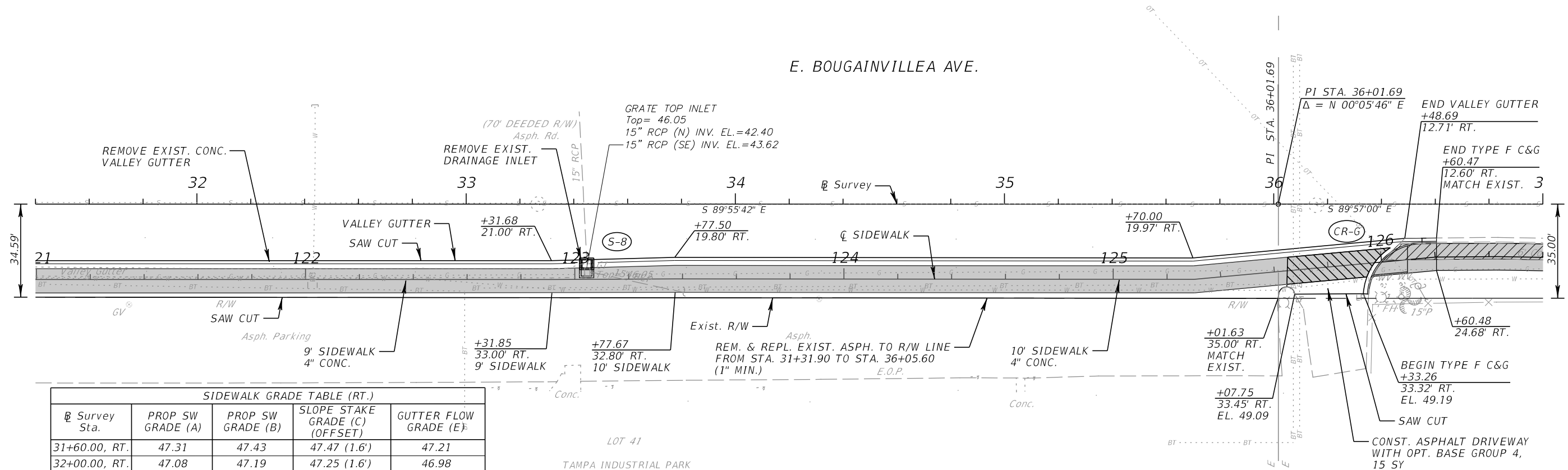
LEGEND
 [Shaded Box] PROPOSED 4" CONCRETE SIDEWALK

REVISIONS				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		E. BOUGAINVILLEA AVE ROADWAY PLAN (4)	SHEET NO. 13
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
					432715-1-58-01	1000261		

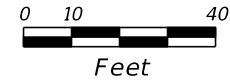
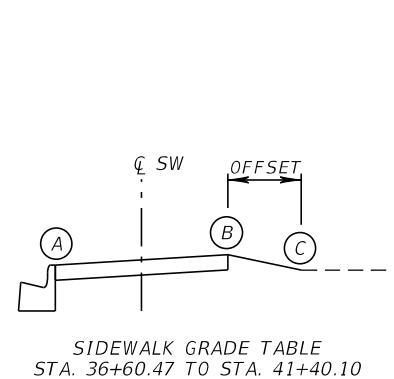
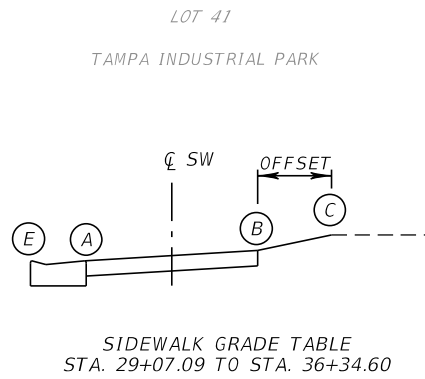
S-8 STA. 33+44.76, 22.20' RT.
 FDOT GUTTER INLET TYPE V W/ J BTM. (4'X6')
 W/ STEEL GRATE
 FDOT INDEX NO. 200 & 221
 TOP EL. = 46.14
 INV. (N) = 42.40
 INV. (SE) = 43.62



E. BOUGAINVILLEA AVE.



SIDEWALK GRADE TABLE (RT.)				
Survey Sta.	PROP SW GRADE (A)	PROP SW GRADE (B)	SLOPE STAKE GRADE (C) (OFFSET)	GUTTER FLOW GRADE (E)
31+60.00, RT.	47.31	47.43	47.47 (1.6')	47.21
32+00.00, RT.	47.08	47.19	47.25 (1.6')	46.98
32+40.00, RT.	46.91	47.06	47.09 (1.6')	46.81
32+80.00, RT.	46.73	46.83	46.85 (1.7')	46.63
33+20.00, RT.	46.46	46.66	46.66 (1.7')	46.36
33+44.70, RT.	46.14	46.24	46.27 (1.8')	46.14
33+80.00, RT.	46.61	46.81	46.84 (2')	46.51
34+20.00, RT.	47.10	47.20	47.22 (2')	47.00
34+60.00, RT.	47.48	47.60	47.64 (2')	47.38
35+00.00, RT.	47.90	48.04	48.08 (2')	47.80
35+40.00, RT.	48.29	48.32	48.34 (2')	48.19
35+70.00, RT.	48.49	48.57	48.62 (2')	48.39
35+80.00, RT.	48.61	48.66	48.72 (2.9')	48.51
36+00.00, RT.	48.89	48.92	48.94 (4.7')	48.79
36+20.00, RT.	49.13	49.13	49.13 (5', DRWY)	49.03
36+60.47, RT.	50.29	50.49	49.81 (4')	-
36+80.00, RT.	50.70	50.90	50.28 (4')	-



- LEGEND**
- PROPOSED 4" CONCRETE SIDEWALK
 - PROPOSED 6" CONCRETE SIDEWALK
 - EXISTING SIDEWALK TO BE REMOVED

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

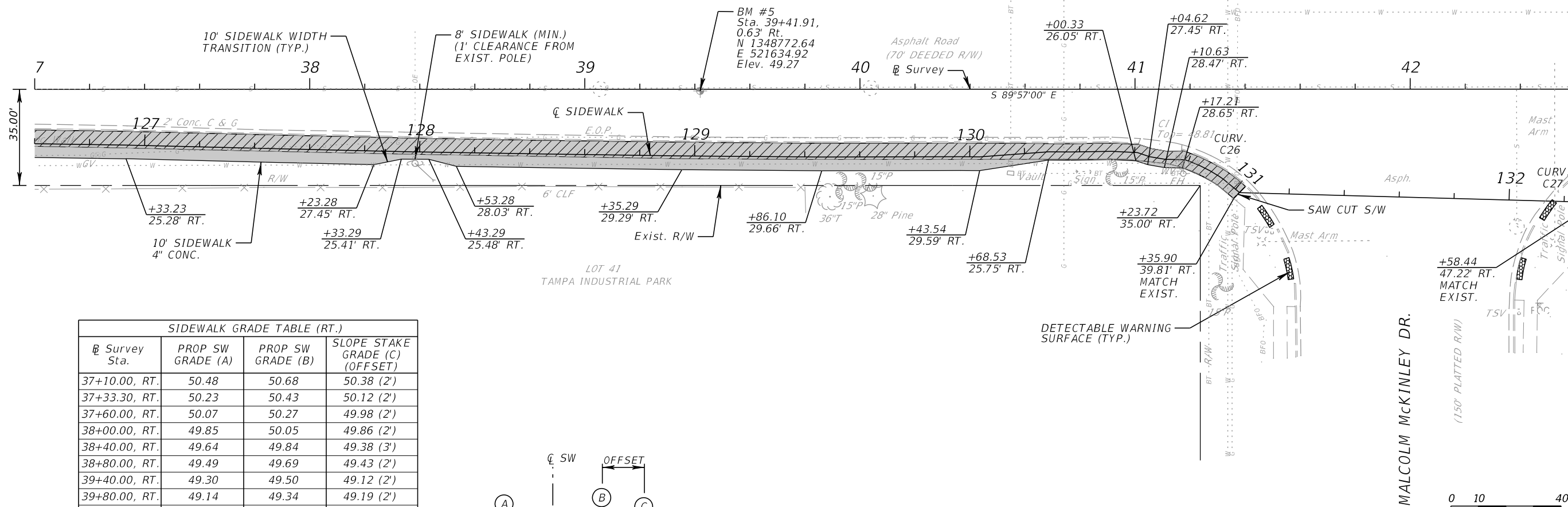
CITY OF TAMPA TRANSPORTATION DEPARTMENT	
FINANCIAL PROJECT ID	CITY PROJECT ID
432715-1-58-01	1000261

**E. BOUGAINVILLEA AVE
 ROADWAY PLAN (5)**

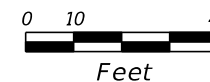
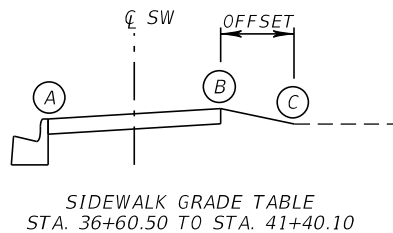
SHEET NO.
14



E. BOUGAINVILLE AVE.



SIDEWALK GRADE TABLE (RT.)			
Survey Sta.	PROP SW GRADE (A)	PROP SW GRADE (B)	SLOPE STAKE GRADE (C) (OFFSET)
37+10.00, RT.	50.48	50.68	50.38 (2')
37+33.30, RT.	50.23	50.43	50.12 (2')
37+60.00, RT.	50.07	50.27	49.98 (2')
38+00.00, RT.	49.85	50.05	49.86 (2')
38+40.00, RT.	49.64	49.84	49.38 (3')
38+80.00, RT.	49.49	49.69	49.43 (2')
39+40.00, RT.	49.30	49.50	49.12 (2')
39+80.00, RT.	49.14	49.34	49.19 (2')
40+20.00, RT.	49.01	49.21	49.06 (2')
40+43.50, RT.	48.96	49.12	-
40+68.50, RT.	48.98	49.10	49.19 (1')
40+91.60, RT.	48.95	49.08	-
41+40.10, RT.	48.63	48.68	-



LEGEND

- PROPOSED 4" CONCRETE SIDEWALK
- EXISTING SIDEWALK TO BE REMOVED

REVISIONS				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		E. BOUGAINVILLE AVE ROADWAY PLAN (6)	SHEET NO. 15
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
					432715-1-58-01	1000261		

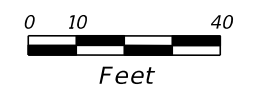
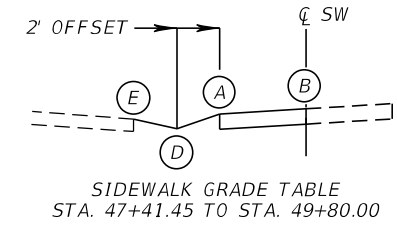
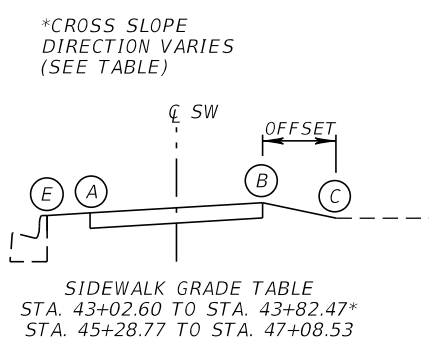
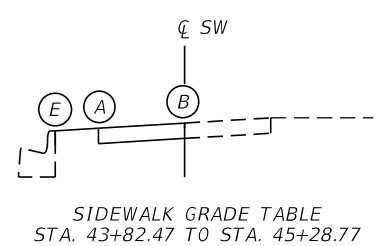
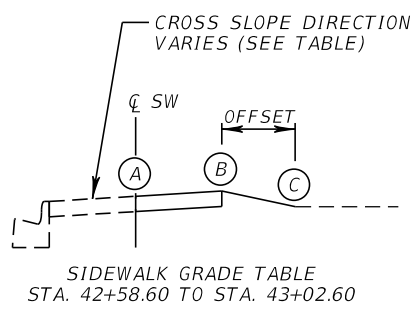
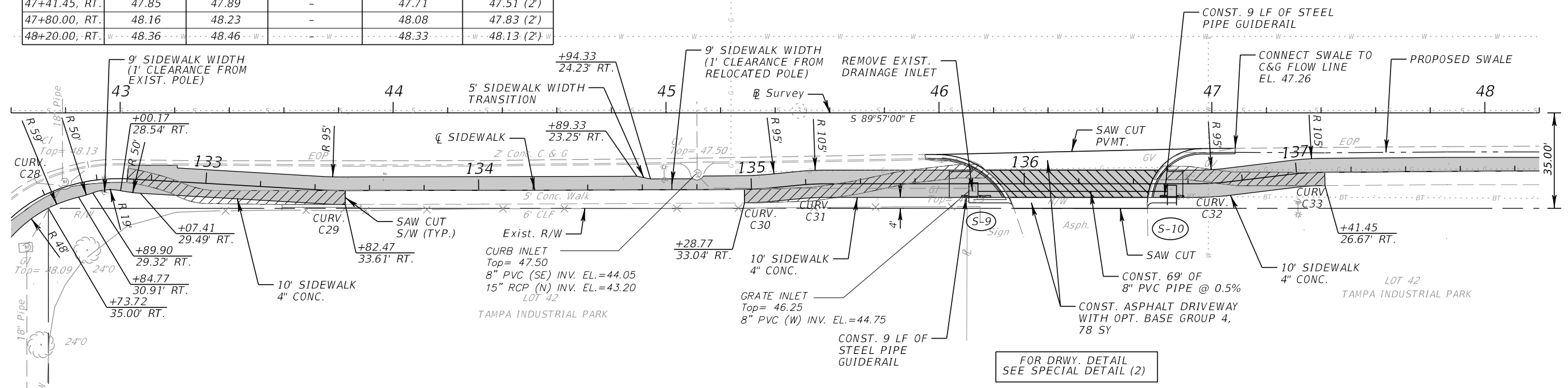
SIDEWALK GRADE TABLE (RT.)					
Survey Sta.	PROP SW GRADE (A)	PROP SW GRADE (B)	SLOPE STAKE GRADE (C) (OFFSET)	EXIST. PVMT/CURB GRADE (E)	SWALE GRADE (D) (OFFSET)
42+58.60, RT.	48.11	48.18	47.61 (2.4')	-	-
42+68.10, RT.	48.12	48.20	47.11 (5.5')	48.00	-
43+02.60, RT.	48.28	48.22	47.11 (5.5')	48.28	-
43+20.00, RT.	48.16	47.96	47.65 (2')	48.16	-
43+60.00, RT.	47.98	48.08	-	47.96	-
43+82.47, RT.	47.89	47.92	-	47.87	-
44+00.00, RT.	47.82	47.83	-	47.80	-
44+20.00, RT.	47.75	47.76	-	47.72	-
44+60.00, RT.	47.60	47.60	-	47.58	-
45+00.00, RT.	47.50	47.51	-	47.47	-
45+28.77, RT.	47.49	47.51	-	47.47	-
45+60.00, RT.	47.52	47.32	47.19 (4')	47.62	-
45+80.00, RT.	47.63	47.43	47.14 (4')	47.73	-
46+03.80, RT.	47.70	47.50	46.77 (3')	47.76	-
46+12.70, RT.	47.12	47.22	46.42 (1', THROAT)	-	-
46+50.00, RT.	47.33	47.29	47.27 (4', DRWY)	47.38	-
46+85.40, RT.	47.20	47.20	46.40 (1', THROAT)	-	-
46+89.40, RT.	47.50	47.50	47.67 (0.5')	47.66	-
47+00.00, RT.	47.60	47.50	47.42 (4')	47.71	-
47+08.53, RT.	47.62	47.57	47.50 (5')	47.76	47.26 (5')
47+20.00, RT.	47.64	47.74	47.62 (6')	47.50	47.35 (4')
47+41.45, RT.	47.85	47.89	-	47.71	47.51 (2')
47+80.00, RT.	48.16	48.23	-	48.08	47.83 (2')
48+20.00, RT.	48.36	48.46	-	48.33	48.13 (2')

(S-9) STA. 46+12.65, 28.79' RT.
 FDOT DITCH BOTTOM
 INLET TYPE C MOD. (2'x4')
 FDOT INDEX 282
 TOP EL. = 47.22
 THROAT EL. = 46.30
 INV. (E) = 45.10
 INV. (W) = 44.90

(S-10) STA. 46+85.39, 28.79' RT.
 FDOT DITCH BOTTOM
 INLET TYPE C MOD.
 FDOT INDEX 282
 TOP EL. = 47.20
 THROAT EL. = 46.28
 INV. (E) = 45.10
 INV. (W) = 45.45



E. BOUGAINVILLEA AVE.



LEGEND

	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED 6" CONCRETE SIDEWALK
	EXISTING SIDEWALK TO BE REMOVED

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	
FINANCIAL PROJECT ID	CITY PROJECT ID
432715-1-58-01	1000261

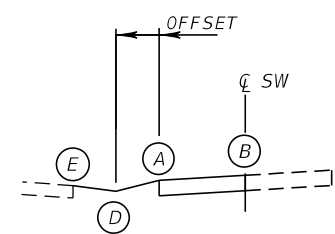
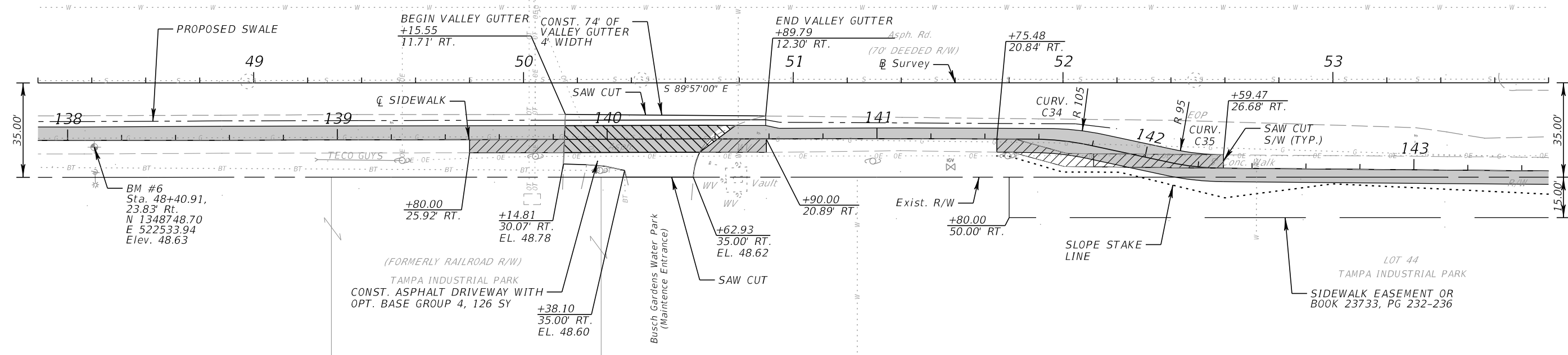
**E. BOUGAINVILLEA AVE
 ROADWAY PLAN (7)**

SHEET NO.
16

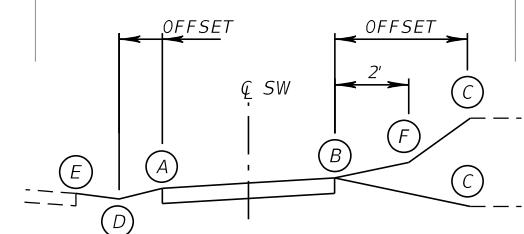
SIDEWALK GRADE TABLE (RT.)						
Survey Sta.	PROP SW GRADE (A)	PROP SW GRADE (B)	SLOPE STAKE GRADE (C) (OFFSET)	EXIST. PVMT GRADE (E)	2 BREAK PT. GRADE (F)	SWALE/FL. GRADE (D) (OFFSET)
48+40.00, RT.	48.45	48.55	-	48.43	-	48.23 (2')
49+00.00, RT.	48.65	48.72	-	48.60	-	48.40 (2')
49+40.00, RT.	48.88	48.96	-	48.76	-	48.53 (2')
49+80.00, RT.	48.83	48.86	-	48.83	-	48.63 (2')
50+00.00, RT.	48.87	48.84	-	48.89	-	48.66 (2')
50+15.00, RT.	48.84	48.94	48.78 (4')	48.94	-	48.74 (2')
50+50.00, RT.	48.86	48.96	48.58 (9', DRWY)	48.98	-	47.78 (2')
50+82.30, RT.	49.00	48.80	48.66 (3.5')	49.10	-	48.91 (2')
50+89.79, RT.	49.15	48.95	49.15 (3')	49.17	-	48.95 (2')
51+00.00, RT.	49.06	49.14	-	49.16	-	49.00 (2')
51+20.00, RT.	49.15	49.20	-	49.15	-	49.05 (2')
51+40.00, RT.	49.24	49.27	-	49.14	-	49.10 (2')
51+60.00, RT.	49.24	49.28	-	49.19	-	49.15 (2')
51+80.00, RT.	49.24	49.36	-	49.23	-	49.20 (2')
51+93.78, RT.	49.27	49.32	-	49.27	-	49.23 (2')
52+20.00, RT.	49.33	49.44	-	49.35	-	49.30 (3')
52+60.00, RT.	49.68	49.75	50.05 (6')	49.50	-	-
53+00.00, RT.	49.87	49.98	50.06 (1')	49.64	-	-
53+40.00, RT.	49.96	50.06	50.41 (2')	49.69	-	-
53+80.00, RT.	50.29	50.36	51.09 (4')	49.96	50.69	-



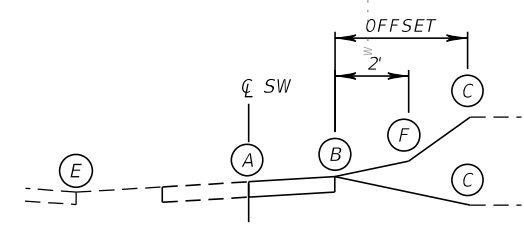
E. BOUGAINVILLEA AVE.



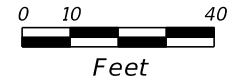
SIDEWALK GRADE TABLE
STA. 47+41.45 TO STA. 49+80.00
STA. 50+90.00 TO STA. 51+75.48



SIDEWALK GRADE TABLE
STA. 49+80.00 TO STA. 50+90.00
STA. 51+75.48 TO STA. 52+59.47



SIDEWALK GRADE TABLE
STA. 52+59.47 TO STA. 54+75.21



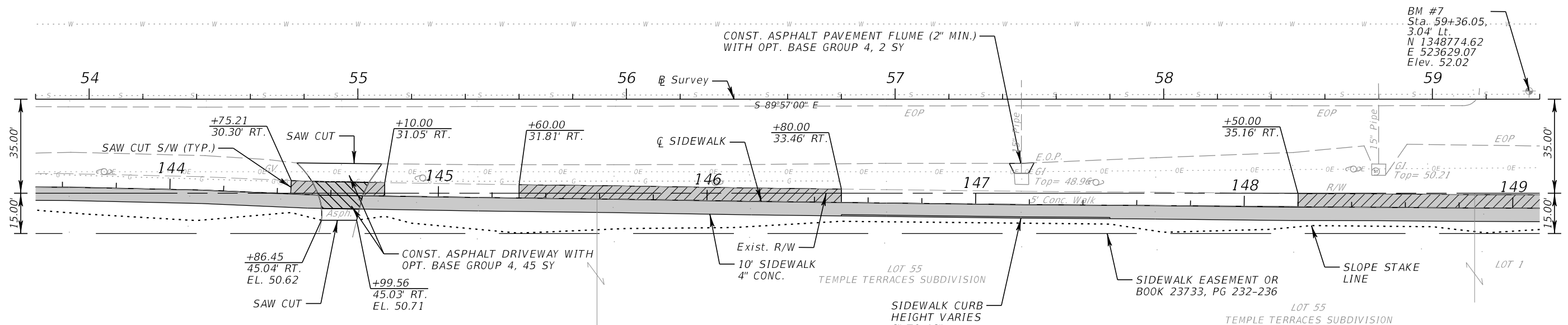
- LEGEND**
- PROPOSED 4" CONCRETE SIDEWALK
 - PROPOSED 6" CONCRETE SIDEWALK
 - EXISTING SIDEWALK TO BE REMOVED

REVISIONS				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		E. BOUGAINVILLEA AVE ROADWAY PLAN (8)	SHEET NO. 17
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
					432715-1-58-01	1000261		

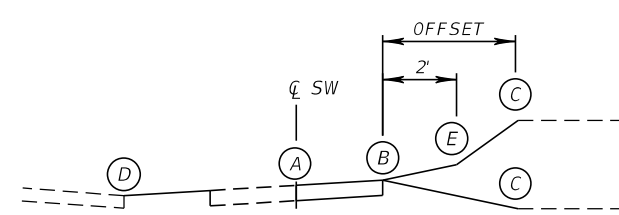
SIDEWALK GRADE TABLE (RT.)					
Survey Sta.	PROP SW GRADE (A)	PROP SW GRADE (B)	SLOPE STAKE/ SW CURB GRADE (C) (OFFSET)	EXIST. PVMT GRADE (D)	2 BREAK PT. GRADE (E)
54+00.00, RT.	50.46	50.51	51.80 (5')	50.04	50.84
54+40.00, RT.	50.76	50.86	52.65 (7')	50.11	51.19
54+75.00, RT.	50.32	50.52	50.86 (2')	50.18	-
54+93.50, RT.	50.29	50.49	50.68 (3.5', DRWY)	50.29	-
55+10.00, RT.	50.32	50.45	50.88 (3')	50.19	-
55+20.00, RT.	50.51	50.59	51.93 (5')	50.16	50.92
55+60.00, RT.	50.63	50.83	53.23 (8')	50.09	51.16
56+00.00, RT.	50.34	50.54	52.16 (6')	50.03	50.87
56+40.00, RT.	49.82	50.02	51.05 (5')	49.71	50.35
56+80.00, RT.	49.75	49.95	50.50 (CURB)	49.52	-
57+00.00, RT.	49.85	49.95	50.50 (CURB)	49.45	-
57+40.00, RT.	49.71	49.79	50.75 (CURB)	49.46	-
57+80.00, RT.	49.87	49.96	50.70 (CURB)	49.59	-
58+00.00, RT.	50.03	50.13	51.44 (5')	49.69	50.46
58+40.00, RT.	50.81	50.91	51.50 (3.5')	50.17	-
58+80.00, RT.	51.54	51.74	51.80 (2')	50.74	-
59+00.00, RT.	52.17	52.27	52.31 (2')	50.96	-
59+20.00, RT.	52.50	52.70	53.91 (6')	51.30	53.03
59+40.00, RT.	52.82	53.02	53.58 (3')	51.61	53.35



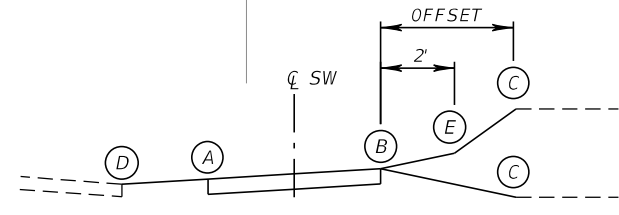
E. BOUGAINVILLEA AVE.



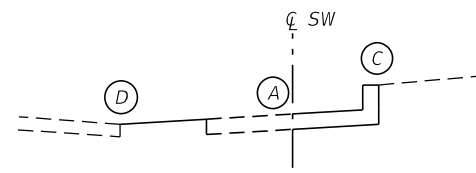
BM #7
Sta. 59+36.05,
3.04' Lt.
N 1348774.62
E 523629.07
Elev. 52.02



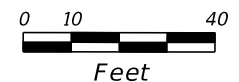
SIDEWALK GRADE TABLE
STA. 52+11.30 TO STA. 54+75.20
STA. 55+10.00 TO STA. 55+60.00
STA. 58+00.00 TO STA. 58+50.00



SIDEWALK GRADE TABLE
STA. 54+75.21 TO STA. 55+10.00
STA. 55+60.00 TO STA. 56+80.00
STA. 58+50.00 TO STA. 59+40.00



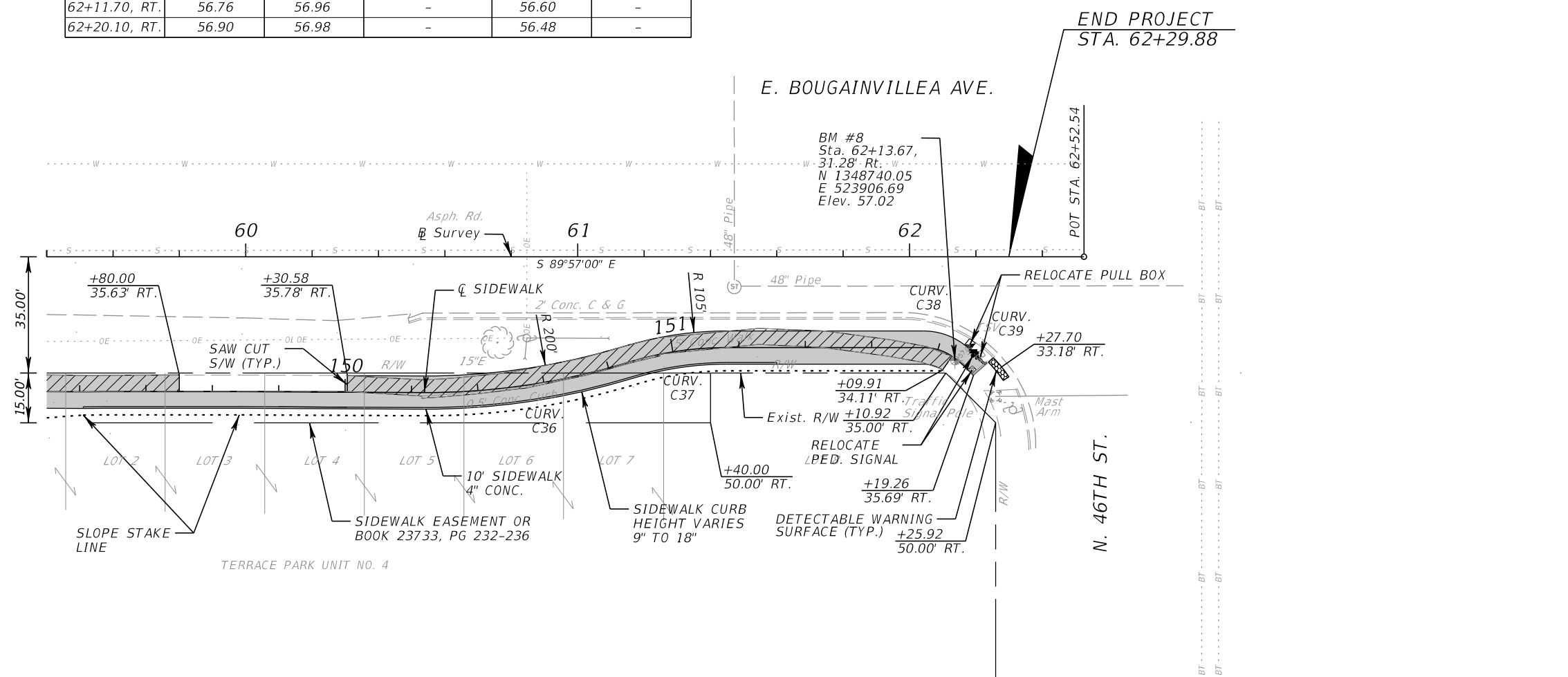
SIDEWALK GRADE TABLE
STA. 56+80 TO STA. 57+80.00



- LEGEND**
- PROPOSED 4" CONCRETE SIDEWALK
 - PROPOSED 6" CONCRETE SIDEWALK
 - EXISTING SIDEWALK TO BE REMOVED

REVISIONS				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		E. BOUGAINVILLEA AVE ROADWAY PLAN (9)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
						432715-1-58-01		1000261

SIDEWALK GRADE TABLE (RT.)					
Survey Sta.	PROP SW GRADE (A)	PROP SW GRADE (B)	SLOPE STAKE/ SW CURB GRADE (C) (OFFSET)	EXIST. PVMT GRADE (D)	2 BREAK PT. GRADE (E)
59+40.00, RT.	52.82	53.02	53.58 (3')	51.61	53.35
59+50.00, RT.	52.98	53.17	53.84 (CURB)	51.75	-
59+60.00, RT.	53.69	53.88	54.88 (CURB)	51.93	-
59+80.00, RT.	54.06	54.26	55.00 (CURB)	52.25	54.59
60+00.00, RT.	54.55	54.63	55.36 (CURB)	52.57	54.97
60+10.00, RT.	54.88	54.98	55.70 (CURB)	52.73	-
60+20.00, RT.	55.20	55.30	56.10 (CURB)	52.88	-
60+50.00, RT.	56.79	56.99	57.66 (CURB)	53.37	-
60+80.00, RT.	58.05	58.15	59.76 (CURB)	54.27	-
61+00.00, RT.	57.80	58.00	59.50 (CURB)	54.75	-
61+20.00, RT.	56.77	56.97	58.20 (CURB)	55.12	-
61+40.00, RT.	56.36	56.56	57.25 (CURB)	55.42	-
61+60.00, RT.	56.35	56.55	56.70 (CURB)	55.69	-
61+80.00, RT.	56.52	56.72	-	55.97	-
62+00.00, RT.	56.67	56.87	-	56.32	-
62+11.70, RT.	56.76	56.96	-	56.60	-
62+20.10, RT.	56.90	56.98	-	56.48	-



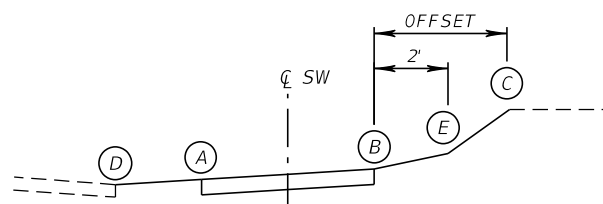
END PROJECT
STA. 62+29.88

E. BOUGAINVILLEA AVE.

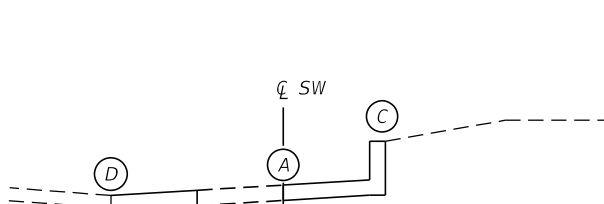
BM #8
Sta. 62+13.67,
31.28' Rt. - W
N 1348740.05
E 523906.69
Elev. 57.02

POT STA. 62+52.54

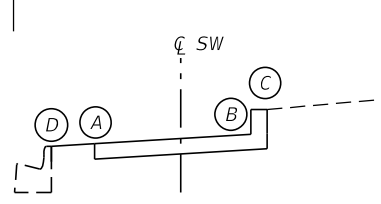
TERRACE PARK UNIT NO. 4



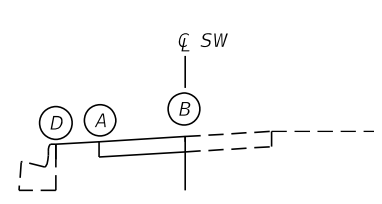
SIDEWALK GRADE TABLE
STA. 58+50.00 TO STA. 59+40.00



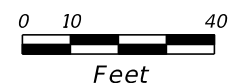
SIDEWALK GRADE TABLE
STA. 59+80.00 TO STA. 60+30.58



SIDEWALK GRADE TABLE
STA. 59+50.00 TO STA. 59+80.00
STA. 60+30.58 TO STA. 62+12.70



SIDEWALK GRADE TABLE
STA. 62+12.70 TO STA. 62+23.30



LEGEND

- PROPOSED 4" CONCRETE SIDEWALK
- EXISTING SIDEWALK TO BE REMOVED

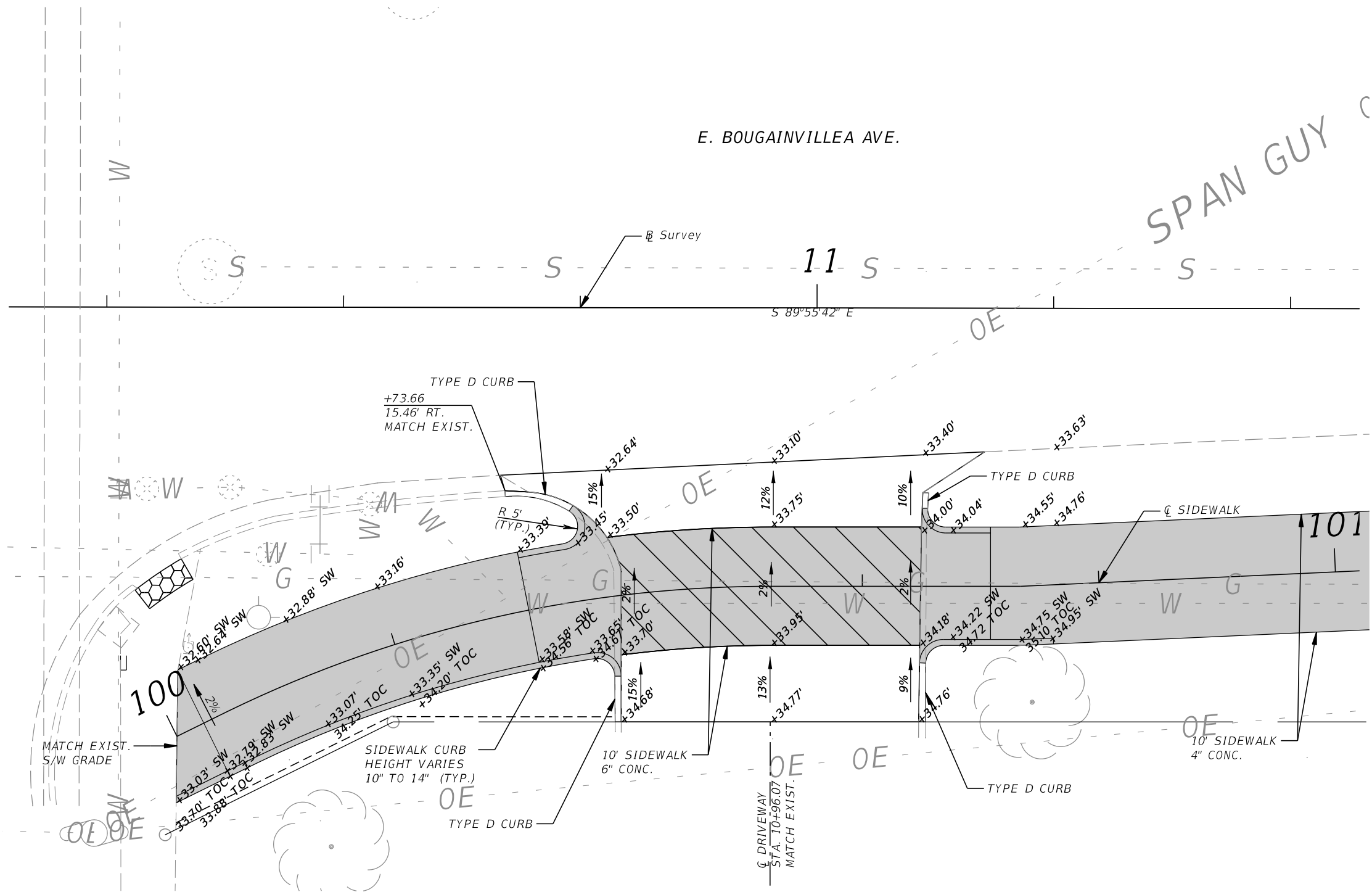
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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	
FINANCIAL PROJECT ID	CITY PROJECT ID
432715-1-58-01	1000261

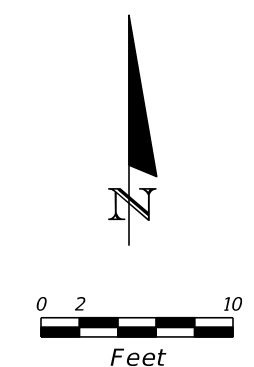
E. BOUGAINVILLEA AVE
ROADWAY PLAN (10)

SHEET NO.
19



E. BOUGAINVILLEA AVE.

SPAN GUY C



DRIVEWAY DETAIL
STA. 10+96.07

LEGEND

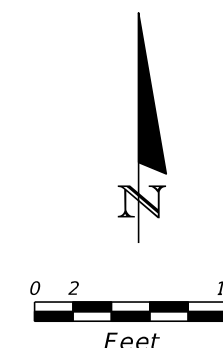
- PROPOSED 4" CONCRETE SIDEWALK
- PROPOSED 6" CONCRETE SIDEWALK

REVISIONS				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		SPECIAL DETAILS (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		20
					432715-1-58-01	1000261		

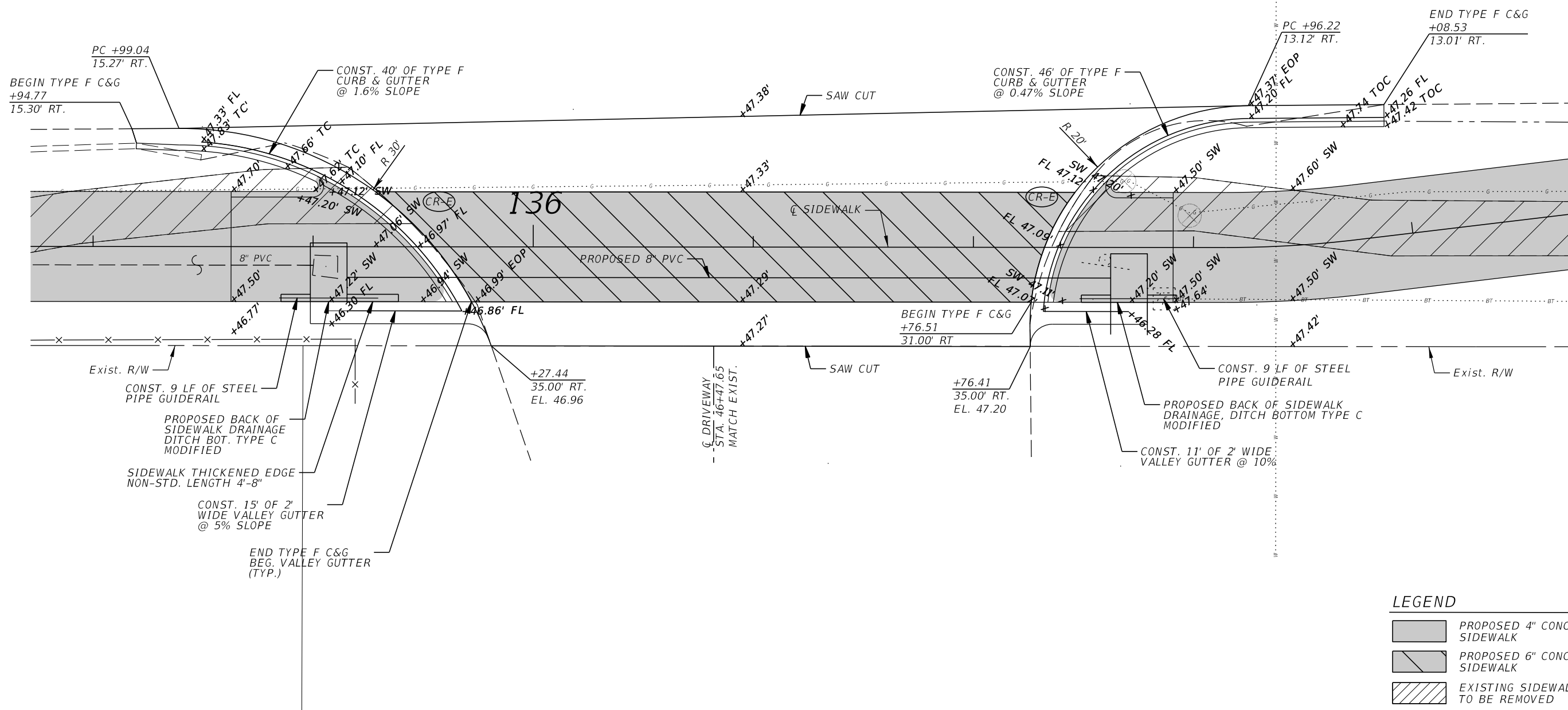
E. BOUGAINVILLE AVE.

46

47



Survey
S 89°57'00" E



LEGEND

	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED 6" CONCRETE SIDEWALK
	EXISTING SIDEWALK TO BE REMOVED

REVISIONS				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		SHEET NO. 21
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID	
					432715-1-58-01	1000261	

SPECIAL DETAIL (2)

STORMWATER POLLUTION PREVENTION PLAN

<h2 style="margin: 0;">OWNER'S REQUIREMENTS</h2>	<h3 style="margin: 0;">CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS</h3>	<h3 style="margin: 0;">EROSION AND SEDIMENT CONTROLS STABILIZATION PRACTICES</h3>	<p>PETROLEUM PRODUCTS</p> <p>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 ACCORING TO THE MANUFACTURER'S RECOMMENDATIONS.</p> <p>FERTILIZERS</p> <p>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, STORAGE 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.</p>									
<p style="text-align: center;">SITE DESCRIPTION</p> <p>PROJECT NAME AND LOCATION: BOUGAINVILLEA AVE. FROM 30th ST. TO 46th ST. - SIDEWALK PROJECT</p> <p>OWNER NAME AND ADDRESS: CITY OF TAMPA 306 E. JACKSON STREET TAMPA, FL 33602</p> <p>DESCRIPTION:</p> <p>THIS PROJECT WILL CONSIST OF:</p> <p>WIDENING OF EXISTING SIDEWALK INTO 10' SIDEWALK AND CONSTRUCTION OF 5'-6' SIDEWALK</p> <p>SOIL DISTURBING ACTIVITIES WILL INCLUDE:</p> <p>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 AND CURB AND GUTTER.</p> <p>DESIGN AREA DISCHARGE:</p> <ol style="list-style-type: none"> PRE-CONSTRUCTION IMPERVIOUS 0.32 AC (SIDEWALK) DURING CONSTRUCTION VARIES POST-CONSTRUCTION IMPERVIOUS 1.07 AC (SIDEWALK) <p>SOILS: ARENTS, NEARLY LEVEL. MYAKKA - URBAN LAND COMPLEX.</p> <p>BASINGER, HOLOPAW AND SAMSULA SOILS, DEPRESSIONAL.</p> <p>SITE MAPS:</p> <p>* SEE ATTACHED CONSTRUCTION PLANS</p> <p>GRADES, AREAS OF SOILS, DISTURBANCE, LOCATION OF SURFACE WATERS, WETLANDS, PROTECTED AREAS, MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS AND STORM WATER DISCHARGE POINTS.</p> <p>* SEE ATTACHED CONSTRUCTION PLANS FOR LOCATION OF TEMPORARY STABILIZATION PRACTICES, AND TURBIDITY BARRIERS</p> <p>SITE AREA:</p> <ol style="list-style-type: none"> TOTAL AREA OF SITE = 4.12 ACRES TOTAL AREA TO BE DISTURBED = 2.54 ACRES +/- TOTAL IMPERVIOUS AREA = 1.35 ACRES (POST-CONSTR.) <p>NAME OF RECEIVING WATERS: TAMPA BAY</p>	<p>IN AN EFFORT TO ENSURE COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS REGARDING EROSION AND TURBIDITY CONTROLS, THE FOLLOWING PERMITS HAVE BEEN OBTAINED.</p> <p>EPC PERMIT (WETLANDS) N/A</p> <hr/> <p>EPC PERMIT (FORCEMAIN) N/A</p> <hr/> <p>S.W.F.W.M.D. E.R.P. PERMIT EXEMPTION REQUEST</p> <p>IT'S THE CONTRACTOR'S RESPONSABILITY TO SECURE THE PROPER NPDES PERMIT(S) PRIOR TO STARTING CONSTRUCTION ACTIVITIES.</p> <p>EPC PERMIT REQUIREMENTS:</p> <ol style="list-style-type: none"> NO IMPACT TO THE VEGETATIVE COMPONENT OF THE EXISTING WETLAND MITIGATION PONDS IS PERMITTED. ALL EFFORTS MUST BE TAKEN TO PREVENT ANY EROSION OR TURBID WATER FROM BEING DISCHARGED 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. 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. 	<p>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.</p> <p>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.</p>										
	<h3 style="margin: 0;">GENERAL</h3>	<p>OTHER CONTROLS</p> <p>WASTE MATERIALS</p> <p>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.</p> <p>HAZARDOUS WASTE</p> <p>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.</p> <p>SANITARY WASTE</p> <p>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.</p> <p>OFFSITE VEHICLE TRACKING</p> <p>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 SWEEPED 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 TARPULIN.</p>	<h3 style="margin: 0;">SPILL CONTROL PRACTICES</h3>									
	<h3 style="margin: 0;">SEQUENCE OF MAJOR ACTIVITIES:</h3>	<p>INVENTORY FOR POLLUTION PREVENTION PLAN</p> <p>THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ON SITE DURING CONSTRUCTION:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CONCRETE</td> <td style="width: 33%;">TAR</td> <td style="width: 33%;">FERTILIZERS</td> </tr> <tr> <td>ASPHALT</td> <td>DETERGENTS</td> <td>PETROLEUM BASED PRODUCTS</td> </tr> <tr> <td></td> <td></td> <td>CLEANING SOLVENTS</td> </tr> </table>	CONCRETE	TAR	FERTILIZERS	ASPHALT	DETERGENTS	PETROLEUM BASED PRODUCTS			CLEANING SOLVENTS	<p>THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:</p> <p>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 INFORMATION AND CLEANUP SUPPLIES.</p> <p>MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ABSORBENT (I.E. KITTY LITTER OR EQUAL), SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.</p> <p>ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.</p> <p>THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.</p> <p>SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL.</p> <p>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.</p>
CONCRETE	TAR	FERTILIZERS										
ASPHALT	DETERGENTS	PETROLEUM BASED PRODUCTS										
		CLEANING SOLVENTS										
	<h3 style="margin: 0;">EROSION CONTROL MEASURES</h3>	<p>THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <ol style="list-style-type: none"> INSTALL STABILIZED CONSTRUCTION ENTRANCE, IF NECESSARY. INSTALL SILT FENCES & SYNTHETIC BALES, AS REQUIRED. CLEAR AND GRUB. STOCK PILE TOP SOIL IF REQUIRED. PERFORM PRELIMINARY GRADING ON SITE, AS REQUIRED. STABILIZE DENUDED AREAS AND STOCKPILES AS SOON AS PRACTICABLE. ADJUST UTILITIES AND INSTALL STORM SEWER. </td> <td style="width: 50%; vertical-align: top;"> <ol style="list-style-type: none"> COMPLETE EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF SUBGRADE, BASE, CURB, SIDEWALK, AND DRIVEWAYS. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD. COMPLETE FINAL PAVING AND BRICKWORK. REMOVE ACCUMULATED SEDIMENT. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY EROSION CONTROL DEVICES AND SOD AS REQUIRED. </td> </tr> </table> <p>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.</p> <p>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.</p>	<ol style="list-style-type: none"> INSTALL STABILIZED CONSTRUCTION ENTRANCE, IF NECESSARY. INSTALL SILT FENCES & SYNTHETIC BALES, AS REQUIRED. CLEAR AND GRUB. STOCK PILE TOP SOIL IF REQUIRED. PERFORM PRELIMINARY GRADING ON SITE, AS REQUIRED. STABILIZE DENUDED AREAS AND STOCKPILES AS SOON AS PRACTICABLE. ADJUST UTILITIES AND INSTALL STORM SEWER. 	<ol style="list-style-type: none"> COMPLETE EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF SUBGRADE, BASE, CURB, SIDEWALK, AND DRIVEWAYS. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD. COMPLETE FINAL PAVING AND BRICKWORK. REMOVE ACCUMULATED SEDIMENT. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY EROSION CONTROL DEVICES AND SOD AS REQUIRED. 	<p>THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.</p> <p>* 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.</p> <p>* ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.</p> <p>* BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.</p> <p>* 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.</p> <p>* TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.</p>							
<ol style="list-style-type: none"> INSTALL STABILIZED CONSTRUCTION ENTRANCE, IF NECESSARY. INSTALL SILT FENCES & SYNTHETIC BALES, AS REQUIRED. CLEAR AND GRUB. STOCK PILE TOP SOIL IF REQUIRED. PERFORM PRELIMINARY GRADING ON SITE, AS REQUIRED. STABILIZE DENUDED AREAS AND STOCKPILES AS SOON AS PRACTICABLE. ADJUST UTILITIES AND INSTALL STORM SEWER. 	<ol style="list-style-type: none"> COMPLETE EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF SUBGRADE, BASE, CURB, SIDEWALK, AND DRIVEWAYS. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD. COMPLETE FINAL PAVING AND BRICKWORK. REMOVE ACCUMULATED SEDIMENT. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY EROSION CONTROL DEVICES AND SOD AS REQUIRED. 											
	<h3 style="margin: 0;">CONTRACTOR'S CERTIFICATION</h3>	<p>SPILL PREVENTION</p> <p>MATERIAL MANAGEMENT PRACTICES</p> <p>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.</p> <p>* AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.</p> <p>* 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.</p> <p>* PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.</p> <p>* SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.</p> <p>* MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.</p> <p>* THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.</p>	<h3 style="margin: 0;">CONTRACTOR'S CERTIFICATION</h3>									
	<p>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.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; vertical-align: middle;">SIGNATURE</td> <td style="width: 50%; text-align: center; vertical-align: middle;">BUSINESS NAME AND ADDRESS OF CONTRACTOR</td> </tr> <tr> <td style="height: 40px;"></td> <td></td> </tr> </table>	SIGNATURE	BUSINESS NAME AND ADDRESS OF CONTRACTOR								
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REVISIONS				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		<h2 style="margin: 0;">STORMWATER POLLUTION PREVENTION PLAN</h2>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		22
					432715-1-58-01	1000261		

TEMPORARY TRAFFIC CONTROL PLAN NOTES

1. 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.
2. ALL EXISTING WARNING, GUIDE, AND REGULATORY SIGNS SHALL BE MAINTAINED AT ALL TIMES. SIGNS SHALL BE RELOCATED, REMOVED, OR COVERED FOR EACH TRAFFIC PATTERN PHASE, AS APPROVED BY THE ENGINEER.
3. ALL LANE TAPERS AND MAINTAINED LANE LINES ADJACENT TO CONSTRUCTION AREAS SHALL BE DELINEATED WITH TYPE 1 OR 2 BARRICADES, VERTICAL PANELS, TEMPORARY DRUMS OR TEMPORARY LOW PROFILE BARRIER AS APPROVED BY THE ENGINEER.
4. THE EXISTING SPEED LIMIT SHALL BE MAINTAINED AT ALL TIMES.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 7 DAYS IN ADVANCE OF ANY LANE CLOSURES.

TEMPORARY TRAFFIC CONTROL PLAN PHASE NOTES

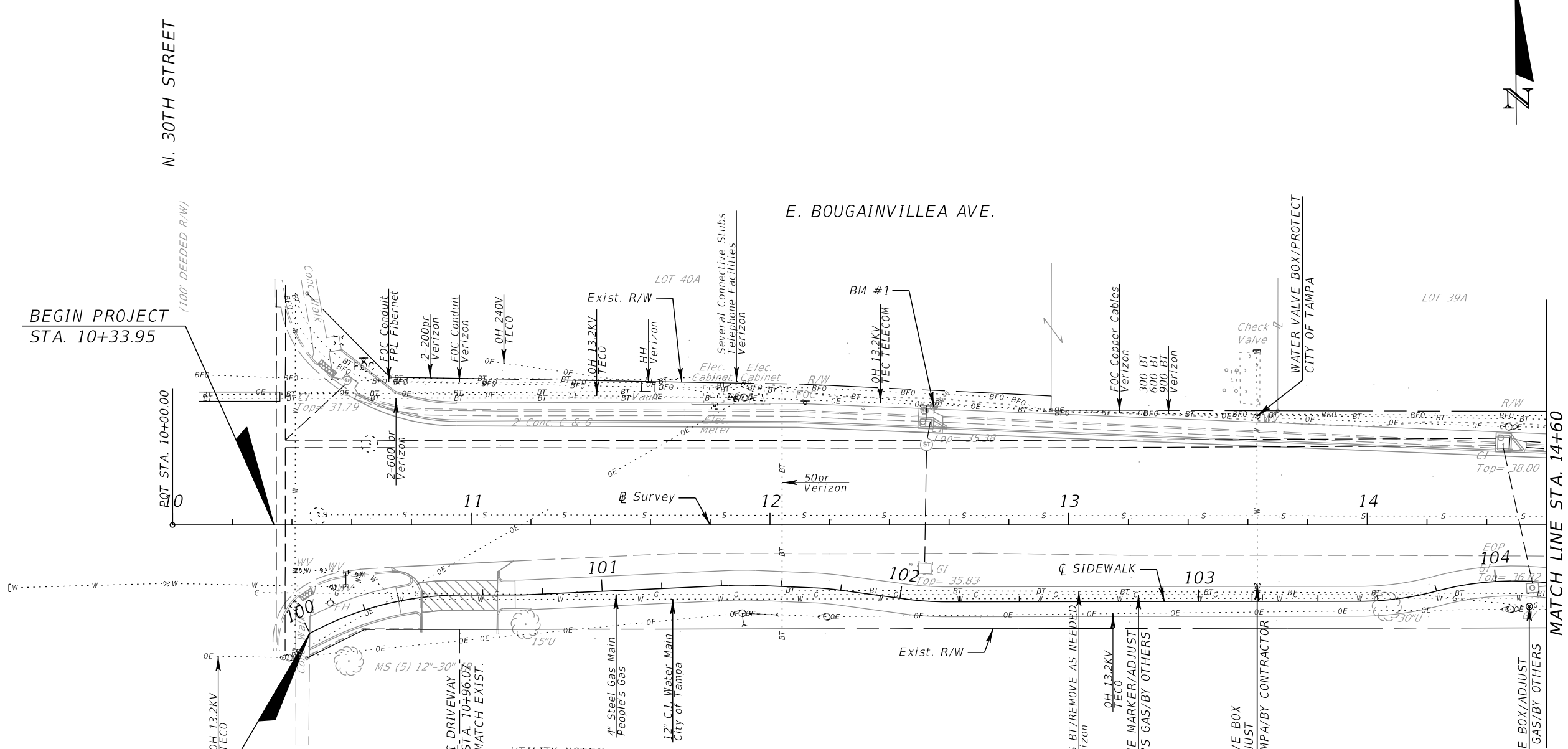
PHASE I: INCLUDES THE CONSTRUCTION OF UNDERGROUND UTILITIES, CONCRETE SIDEWALK AND CONCRETE CURB RAMPS ALONG BOUGAINVILLEA AVE.

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 UNDERGROUND UTILITIES, CONCRETE CURB & GUTTER, CONCRETE VALLEY GUTTER, SIDEWALK, CURB RAMPS UTILIZING INDICES 600 THRU 603, 605, AND 613.
4. SIDEWALKS SHALL BE RE-OPENED TO PEDESTRIANS IMMEDIATELY UPON THE COMPLETION AND COMPLETE CURING OF SIDEWALK AND CURB RAMP CONSTRUCTION.

PHASE II: THE INSTALLATION OF SIGNING AND PAVEMENT MARKINGS.

1. UPON COMPLETION OF ALL OTHER CONSTRUCTION, REMOVE EXISTING PAVEMENT MARKINGS AS CALLED OUT ON PLANS AND INSTALL FINAL PAVEMENT MARKINGS AND SIGNS AND REMOVE TEMPORARY TRAFFIC CONTROL DEVICES.

REVISIONS				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		TRAFFIC CONTROL PLAN GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		23
					432715-1-58-01	1000261		



BEGIN PROJECT
STA. 10+33.95

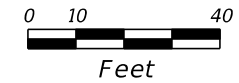
MATCH LINE STA. 14+60

Survey 10+45.95 E. BOUGAINVILLEA AVE. =
SIDEWALK 100+00.00

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

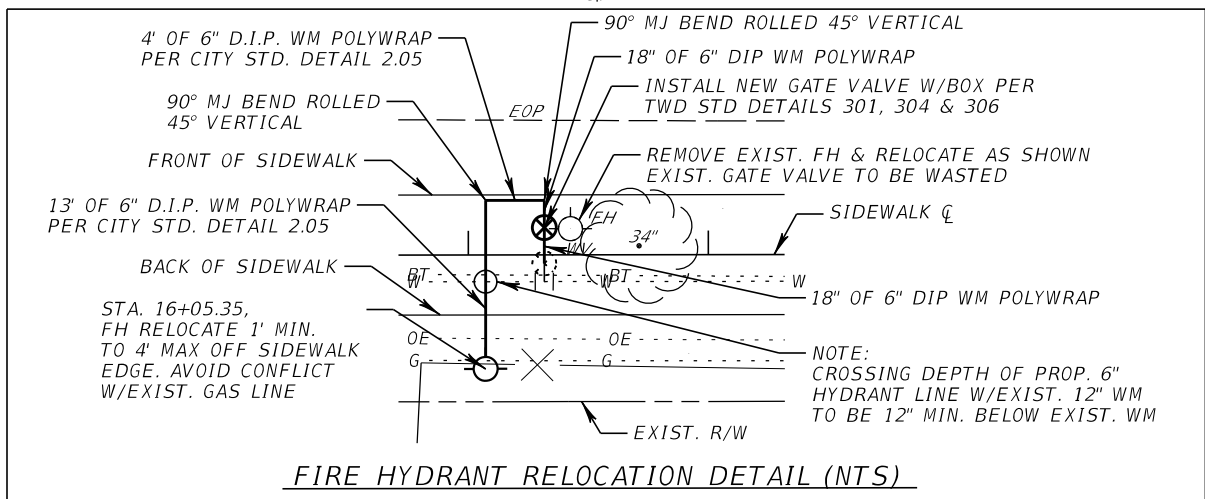
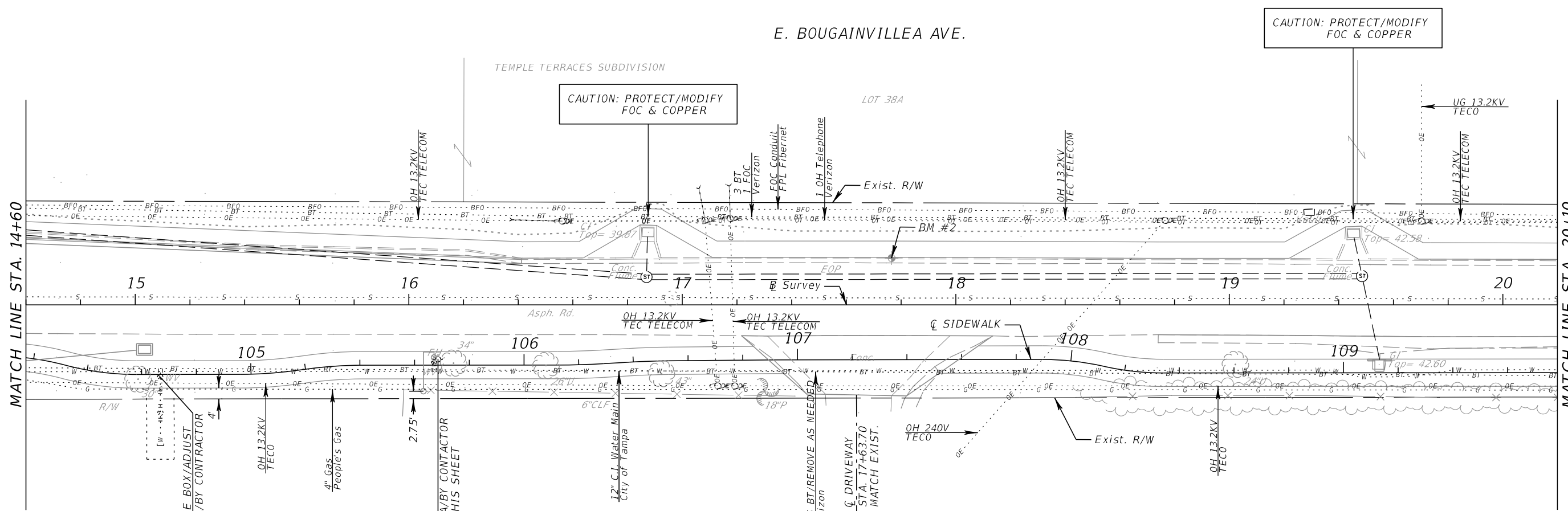
UTILITY/AGENCY OWNERS: COMPANY	CONTACT	TELEPHONE NUMBERS	RESPONSE
FPL Fibernet LLC	Mr. Danny Haskett	(305) 552-2931	INVOLVED
Tampa Electric Company	Mr. Jason Cooper	(813) 275-3037	INVOLVED
Transmission Distribution	Mr. Rondy Moore	(813) 635-1752	
	Mr. John Wheeler	(813) 309-9253	
City of Tampa Water Department	Mr. Andre Bien-Aime	(813) 274-8593	INVOLVED
Fiberlight LLC	Mr. Chris Pancione	(954) 596-2559	NO RESPONSE
City of Tampa Sewer Department	Mr. Jack Ferras	(813) 274-8095	INVOLVED
City of Tampa Transportation Department			
ATT Communications	Mr. Michael Gamboa	(813) 888-8300	INVOLVED
XO Communications	Mr. Jeff Sbrocco	(813) 301-4047	NOT INVOLVED
TW Telecom - Tampa	Mr. James McVeigh	(813) 316-7763	NO RESPONSE
TECO-Peoples Gas-County	Mr. Luis Castellano	(813) 275-3743	INVOLVED
TECO-Peoples Gas-City	Mr. Ted Felegy	(813) 275-3762	INVOLVED
Verizon Florida, Inc.	Mr. David Wynns	(813) 627-8343	
	Mr. Michael Little	(813) 978-2161	INVOLVED
Level 3 Communications LLC	Networks Relations	(877) 366-8344 x2	NOT INVOLVED
Bright House Networks	Mr. Don Pullen	(813) 684-6100 x34097	NOT INVOLVED



REVISIONS				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		UTILITY ADJUSTMENTS (1)	SHEET NO. 24
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
					432715-1-58-01	1000261		



E. BOUGAINVILLEA AVE.



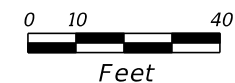
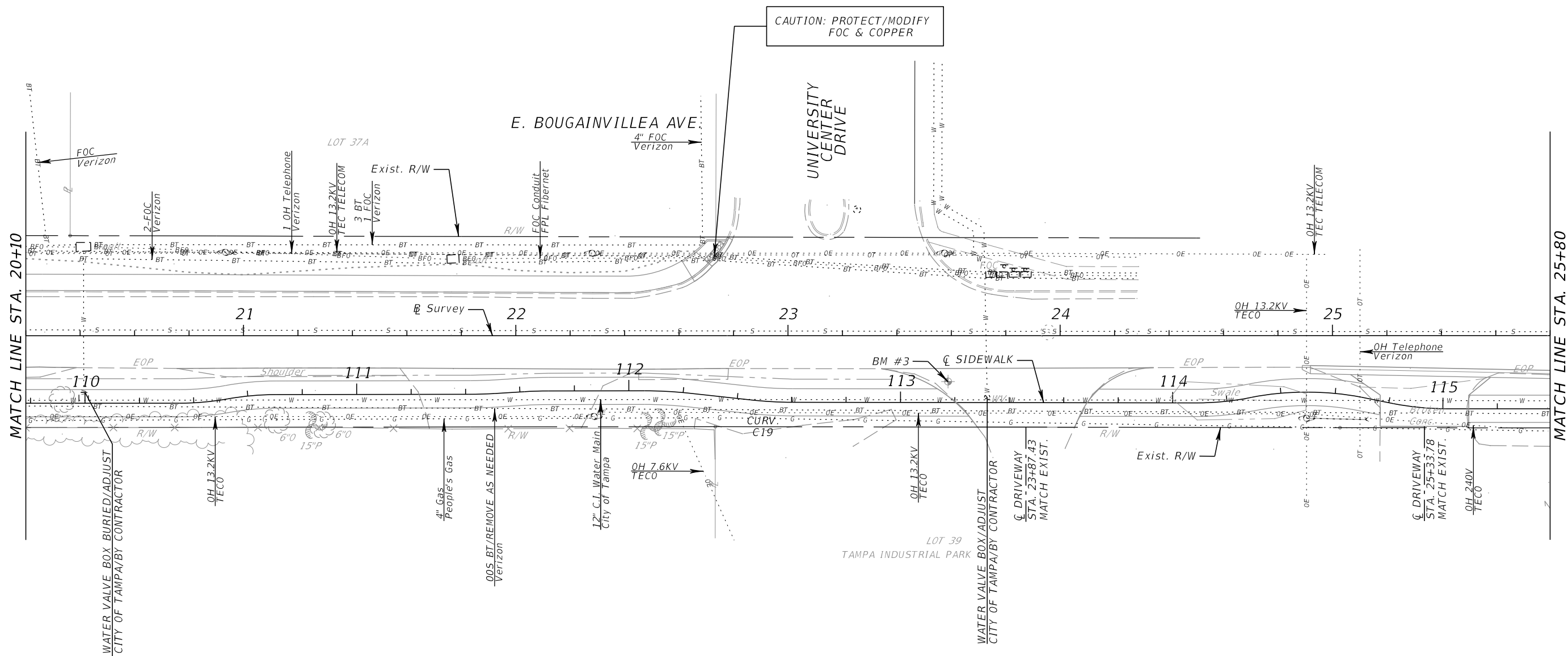
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DATE	DESCRIPTION	DATE	DESCRIPTION

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

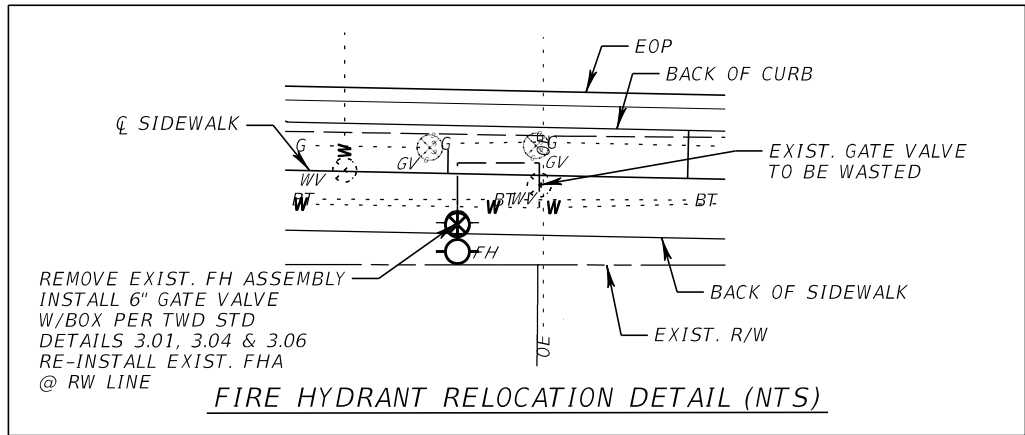
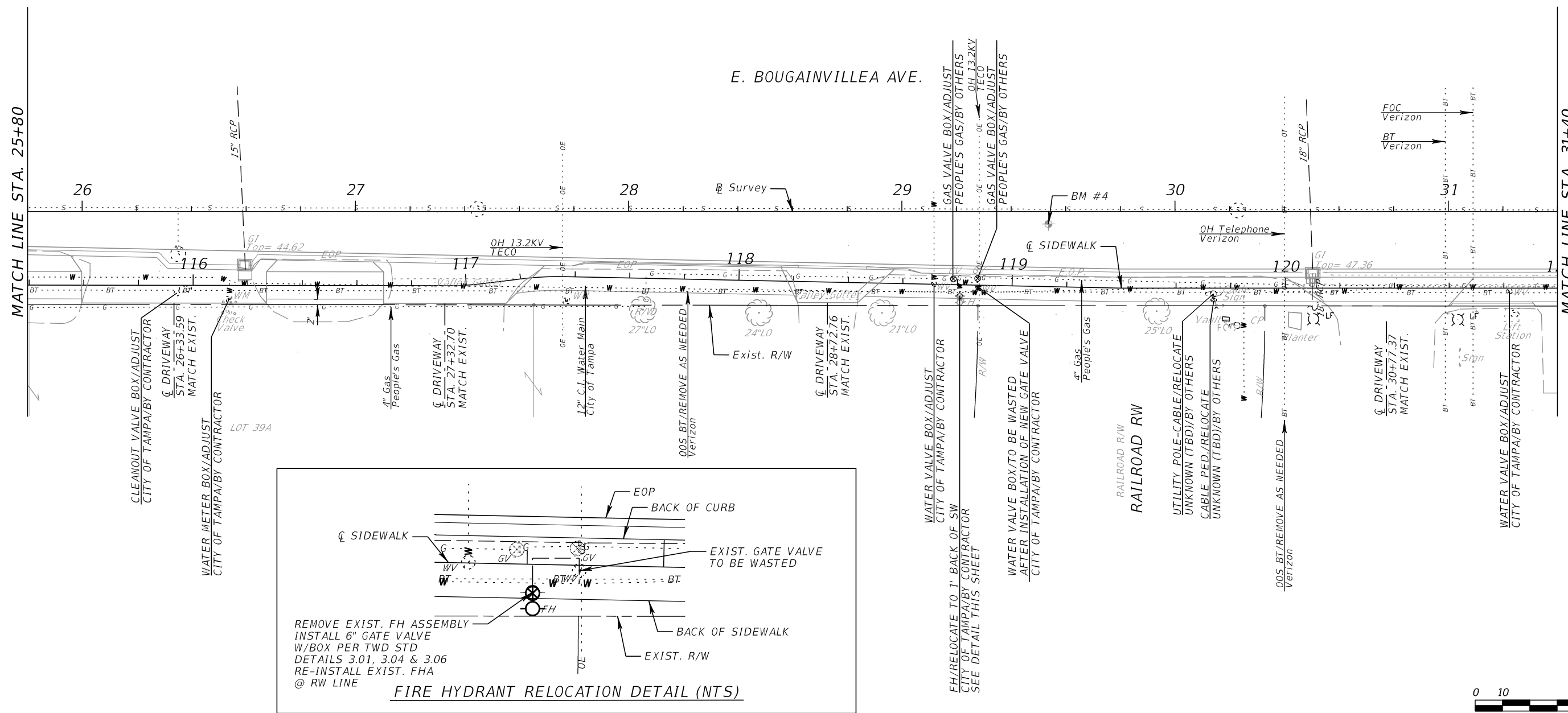
CITY OF TAMPA TRANSPORTATION DEPARTMENT	
FINANCIAL PROJECT ID	CITY PROJECT ID
432715-1-58-01	1000261

UTILITY ADJUSTMENTS (2)

SHEET NO.
25



REVISIONS				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		UTILITY ADJUSTMENTS (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
					432715-1-58-01	1000261		



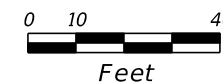
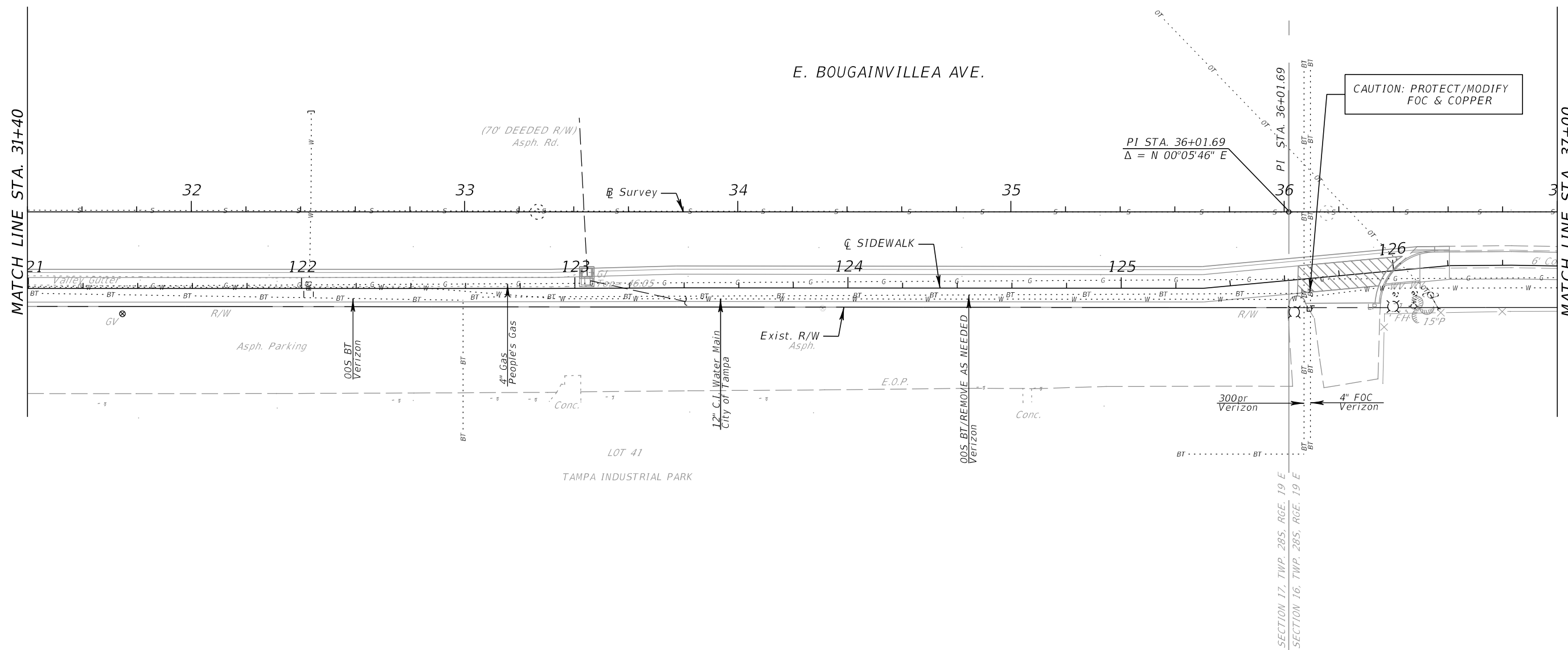
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

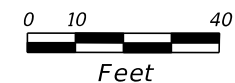
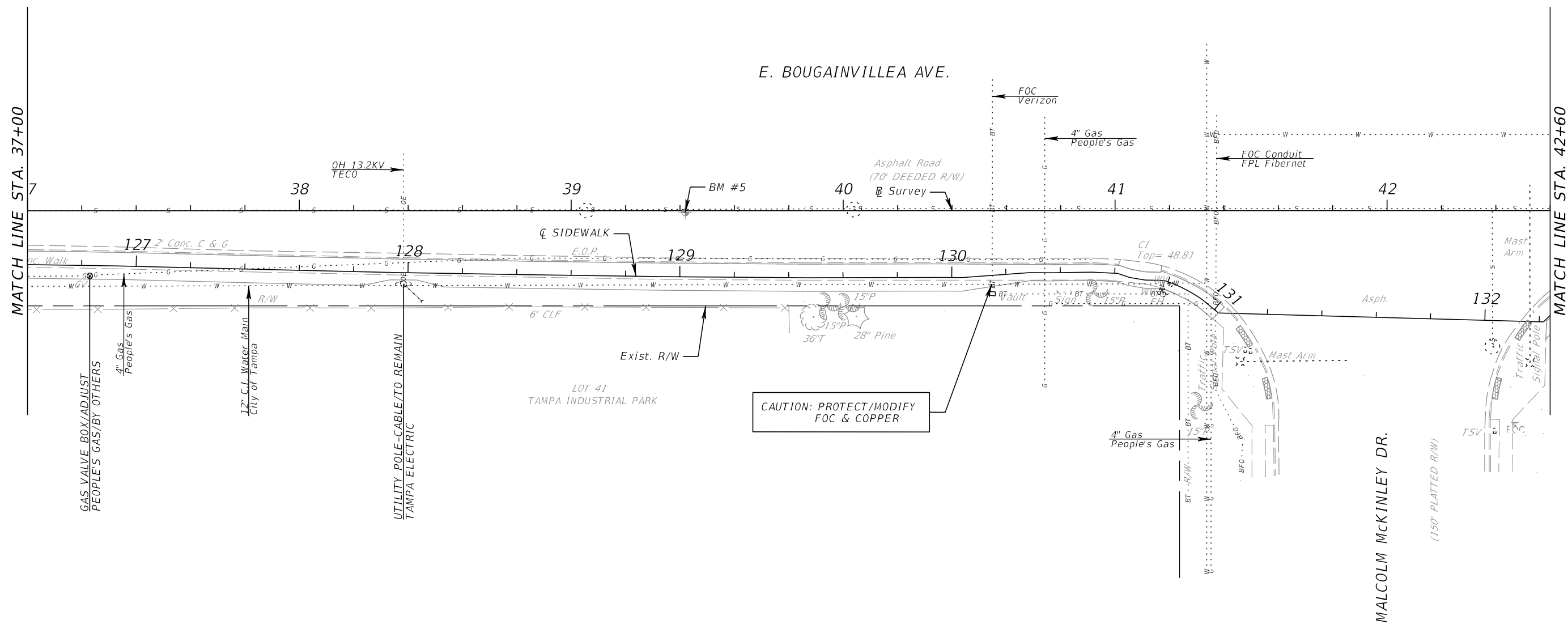
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FINANCIAL PROJECT ID	CITY PROJECT ID
432715-1-58-01	1000261

UTILITY ADJUSTMENTS (4)

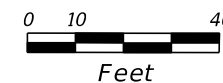
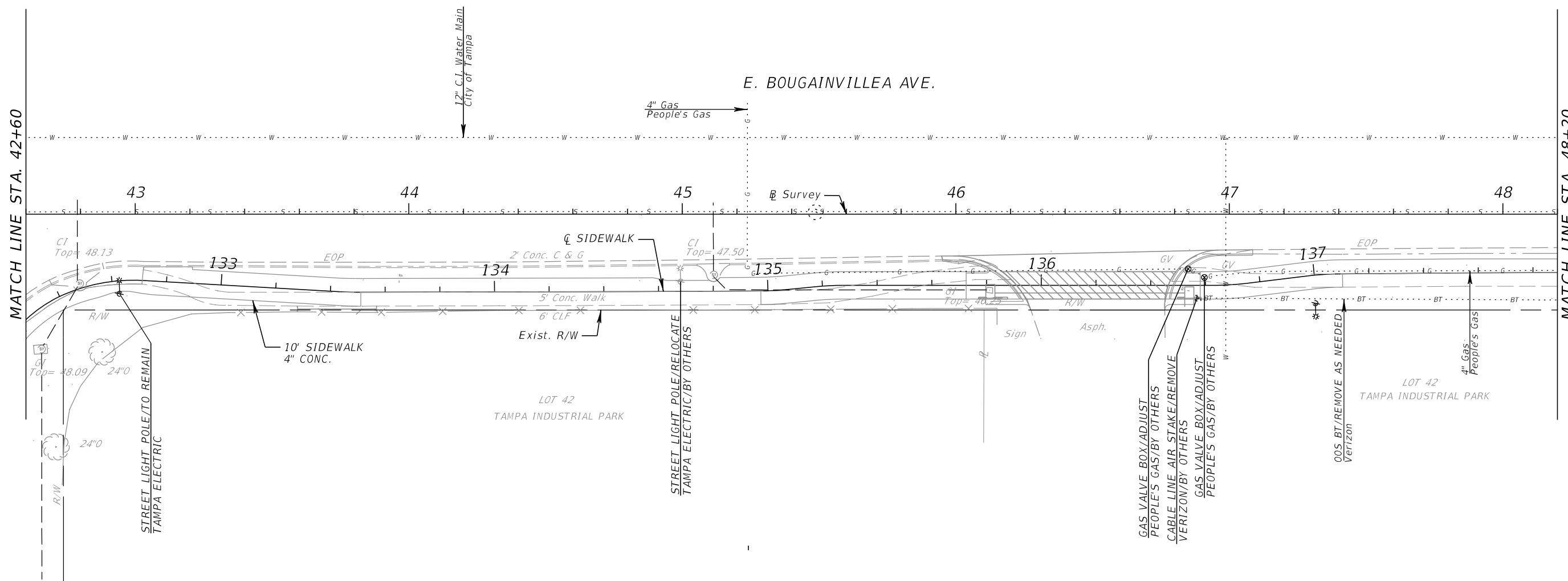
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REVISIONS				GREGORY S. TRIM, P.E. P.E. LICENSE NUMBER 52935 SAM SCHWARTZ ENGINEERING 2709 N. ROCKY POINT DR., SUITE 104 TAMPA, FL 33607 CERTIFICATE OF AUTHORIZATION 30268	CITY OF TAMPA TRANSPORTATION DEPARTMENT		UTILITY ADJUSTMENTS (5)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
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REVISIONS				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		UTILITY ADJUSTMENTS (6)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
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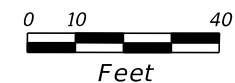
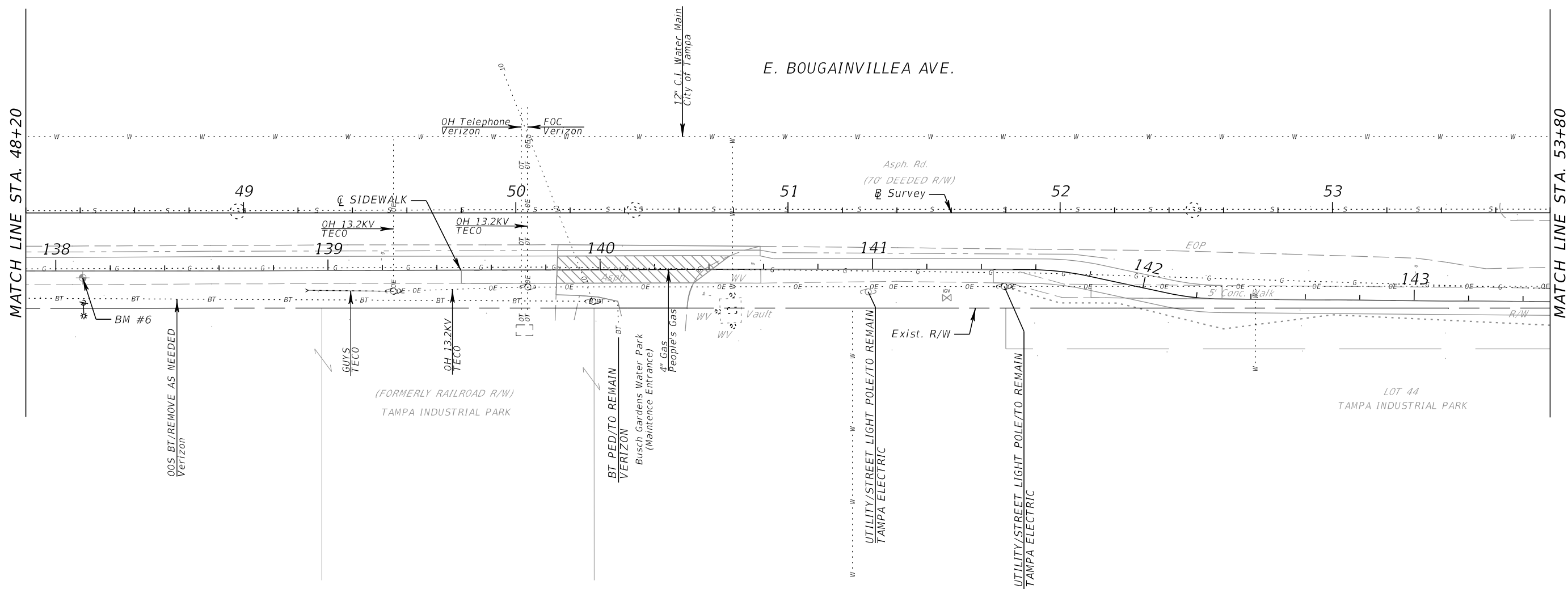
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

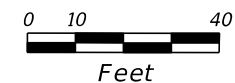
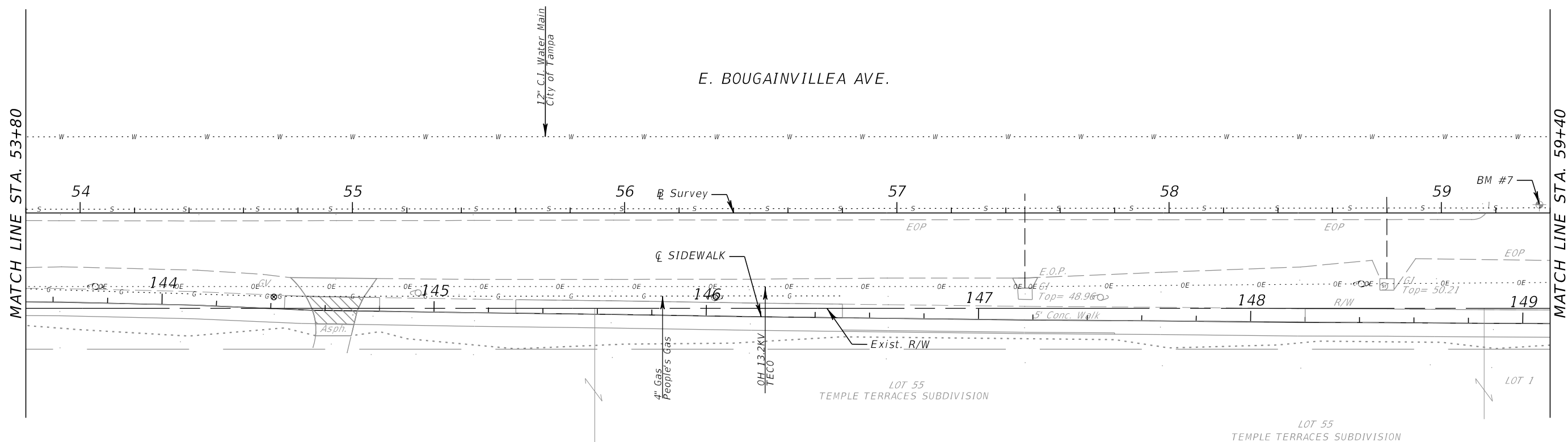
CITY OF TAMPA TRANSPORTATION DEPARTMENT	
FINANCIAL PROJECT ID	CITY PROJECT ID
432715-1-58-01	1000261

UTILITY ADJUSTMENTS (7)

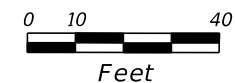
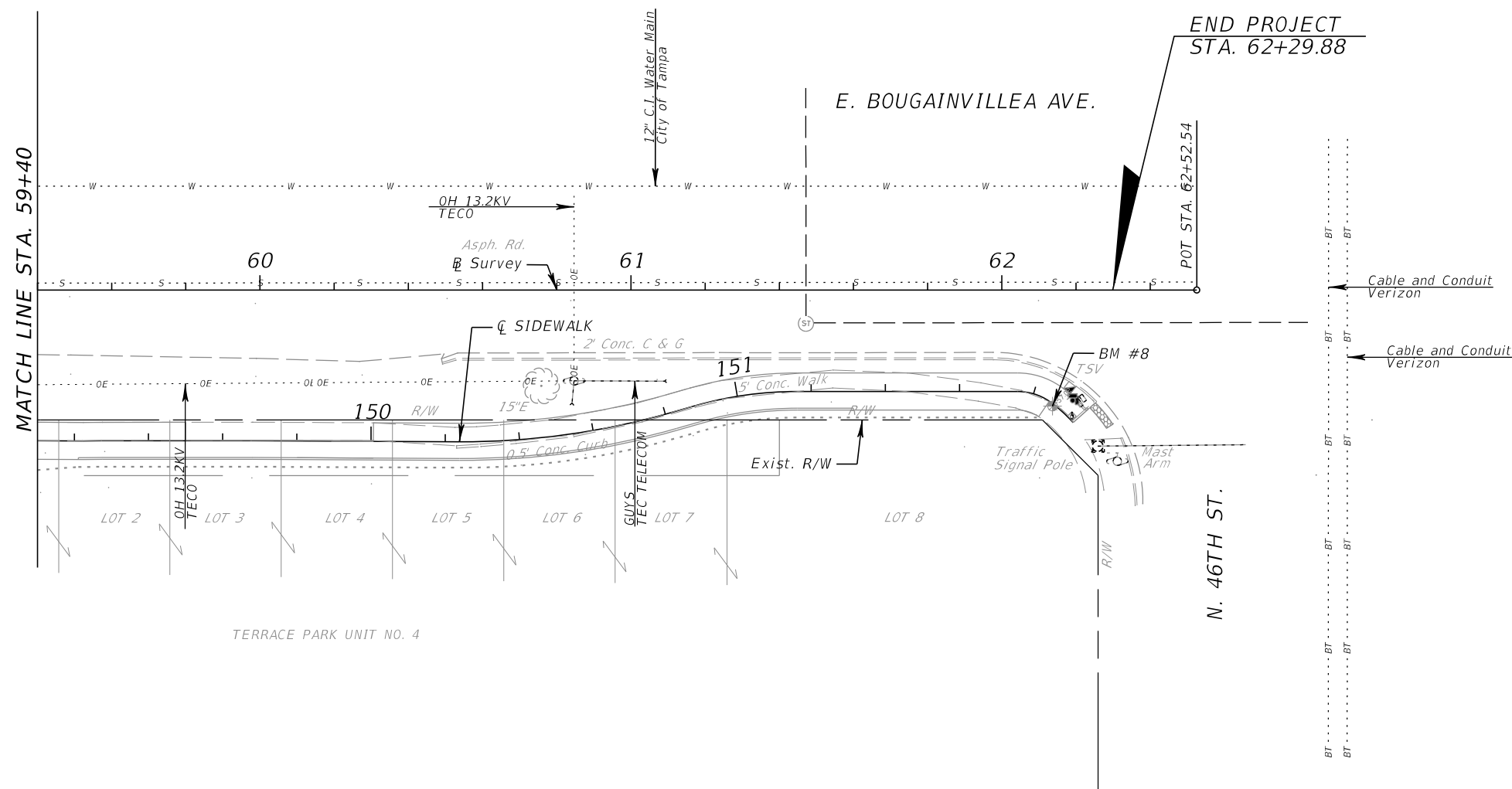
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REVISIONS				GREGORY S. TRIM, P.E. P.E. LICENSE NUMBER 52935 SAM SCHWARTZ ENGINEERING 2709 N. ROCKY POINT DR., SUITE 104 TAMPA, FL 33607 CERTIFICATE OF AUTHORIZATION 30268	CITY OF TAMPA TRANSPORTATION DEPARTMENT		UTILITY ADJUSTMENTS (8)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		31
					432715-1-58-01	1000261		



REVISIONS				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		UTILITY ADJUSTMENTS (9)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		32
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REVISIONS				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		<i>UTILITY ADJUSTMENTS (10)</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		33
					432715-1-58-01	1000261		

*CITY OF TAMPA
DEPARTMENT OF TRANSPORTATION*

CONTRACT PLANS

CITY OF TAMPA PROJECT ID 1000261
FPN: 432715-1-58-01
(FEDERAL FUNDS)

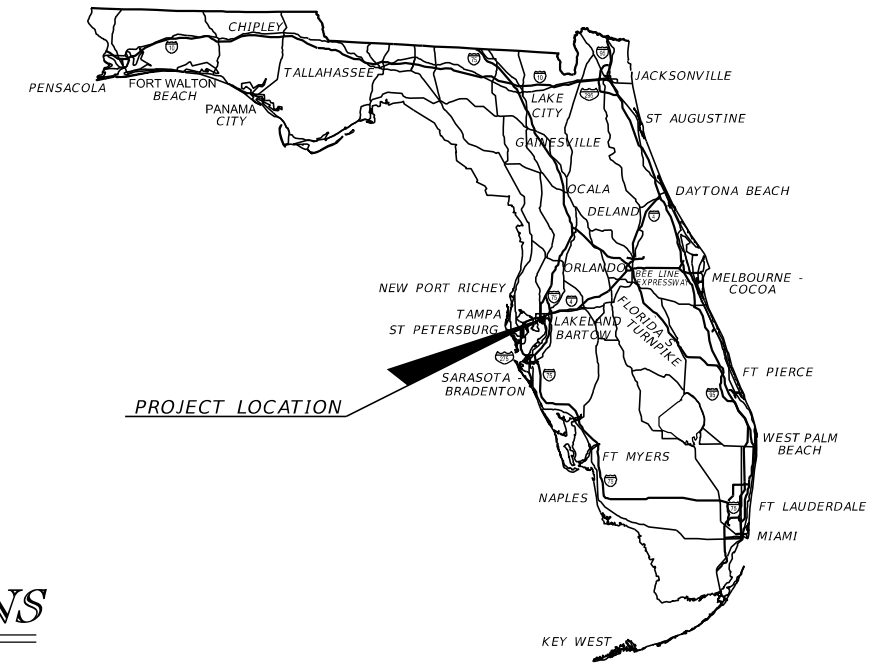
E. BOUGAINVILLEA AVE. FROM N 30TH ST. TO N 46TH ST.
BIKE LANE / SIDEWALK PROJECT

SIGNING AND PAVEMENT MARKING PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	TABULATION OF QUANTITIES
S-3	GENERAL NOTES
S-4 TO S-13	PLANS



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

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

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

P.E. NO.: 52935

FISCAL YEAR	SHEET NO.
16	S-1

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

FINAL PLANS SUBMITTAL - 5/11/16

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL	
			S-4		S-5		S-6		S-7		S-8		S-9		S-10		S-11		S-12		S-13		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	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			1		2								1	2						6	6			
700-1-50	Single Post Sign, F&I Ground Mount, Remove	AS	1		1				1						2	2					1		8	8		
700-1-60	Single Post Sign, F&I Ground Mount, Remove	AS													1	2						3	3			
706-3	Reflective Pavement Markers	EA																								
	Bi-Dir., Yellow					12		100		16												128	128			
	Bi-Dir., White/Red		12					5		8												25	25			
711-11-141	THRMPLSTC, Standard, White, Skip (6/10) 6"	GM	0.050		0.040			0.010														0.100	0.100			
711-11-160	THRMPLSTC, Standard, White, Message (ONLY)	EA	3																			3	3			
711-11-170	THRMPLSTC, Standard, White, Arrow	LF																								
	(Left)							1		2												3	3			
	(Right)		3																			3	3			
711-11-224	THRMPLSTC, Standard, Yellow, Solid, 18" (Chevron)	LF				2		148														150	150			
711-14-125	THRMPLSTC, Preformed, White, Solid, 24" (Crosswalk)	LF	127											24								151	151			
711-16-101	THRMPLSTC, Std - Other Surfaces, White, Solid, 6"	GM	0.130		0.030		0.020	0.128		0.130												0.438	0.438			
711-16-201	THRMPLSTC, Std - Other Surfaces, Yellow, Solid, 6"	GM					0.060	0.380		0.060												0.500	0.500			
711-17	THRMPLSTC, Remove Existing, THRMPLSTC Pavement Markings	SF	193			91		1211		236												1731	1731			

<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					<p>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</p>		<p align="center">CITY OF TAMPA TRANSPORTATION DEPARTMENT</p> <table border="1"> <thead> <tr> <th>FINANCIAL PROJECT ID</th> <th>CITY PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>432715-1-58-01</td> <td>1000261</td> </tr> </tbody> </table>		FINANCIAL PROJECT ID	CITY PROJECT ID	432715-1-58-01	1000261	<p align="center">TABULATION OF QUANTITIES</p>		<p>SHEET NO. S-2</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																			
FINANCIAL PROJECT ID	CITY PROJECT ID																					
432715-1-58-01	1000261																					

SIGNING AND PAVEMENT MARKING NOTES

1. ANY EXISTING MULTI-POST AND OVERHEAD SIGNS WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.
2. ALL SINGLE COLUMN SIGNS WITHIN THE LIMITS OF CLEARING AND GRUBBING SHALL BE REMOVED UNLESS OTHERWISE NOTED IN THE PLANS. PAYMENT SHALL BE REFLECTED IN THE PAY ITEM NO. 110-1-1 IN THE SUMMARY OF ROADWAY PAY ITEMS.
3. THE SIGN AND PAVEMENT MARKING LOCATIONS ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER.
4. IF REMOVAL OF EXISTING MARKINGS IS REQUIRED, IT SHALL BE DONE BY HYDRO-BLASTING IF APPROVED BY THE ENGINEER.

REVISIONS				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		<i>GENERAL NOTES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANICAL PROJECT ID	CITY PROJECT ID		S-3
					432715-1-58-01	1000261		

N. 30TH STREET

E. BOUGAINVILLEA AVE.

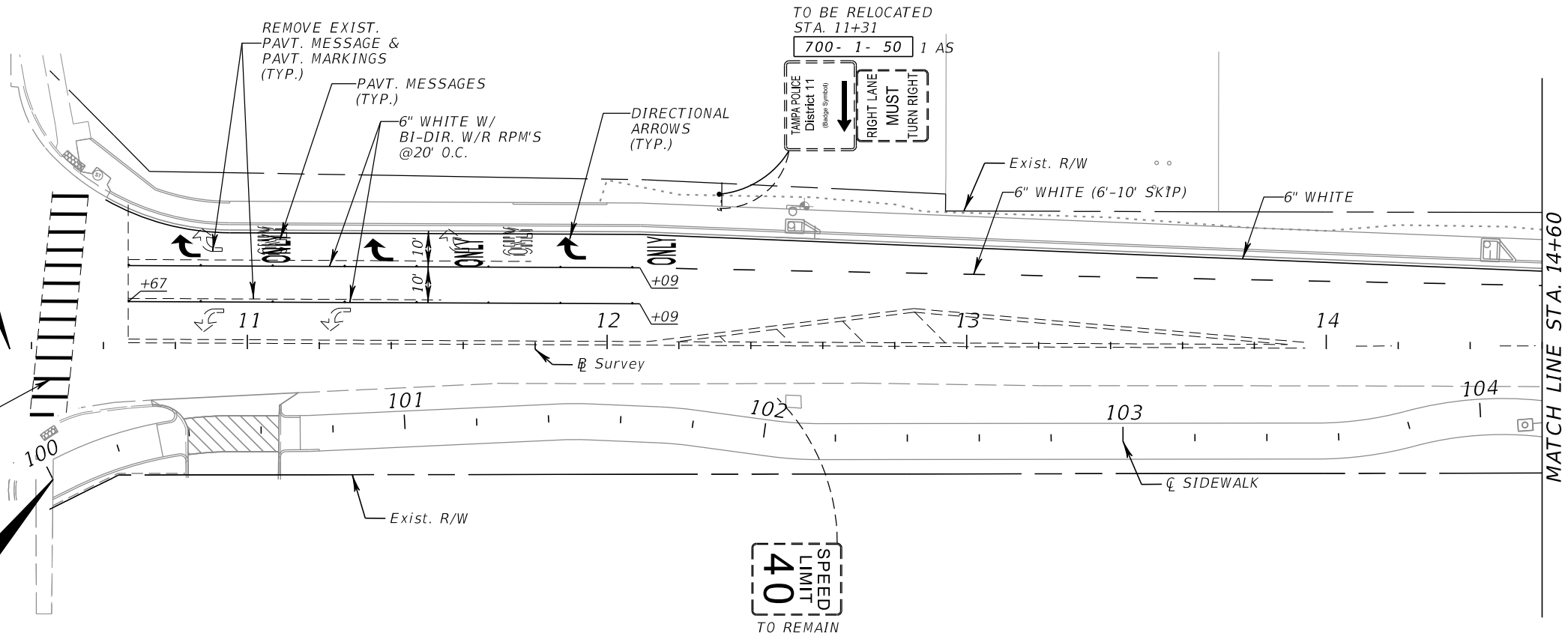


BEGIN PROJECT
STA. 10+33.95

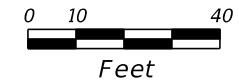
ROT STA. 10+00.00

PREFORMED 24" WHITE

Survey 10+45.95
E. BOUGAINVILLEA AVE. =
SIDEWALK 100+00.00



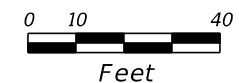
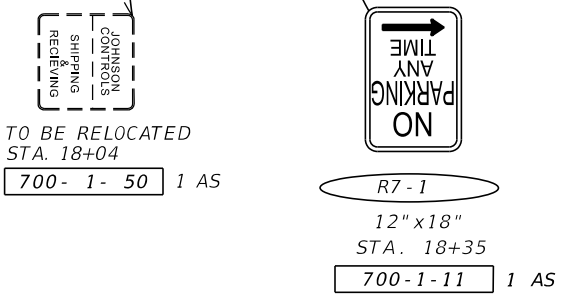
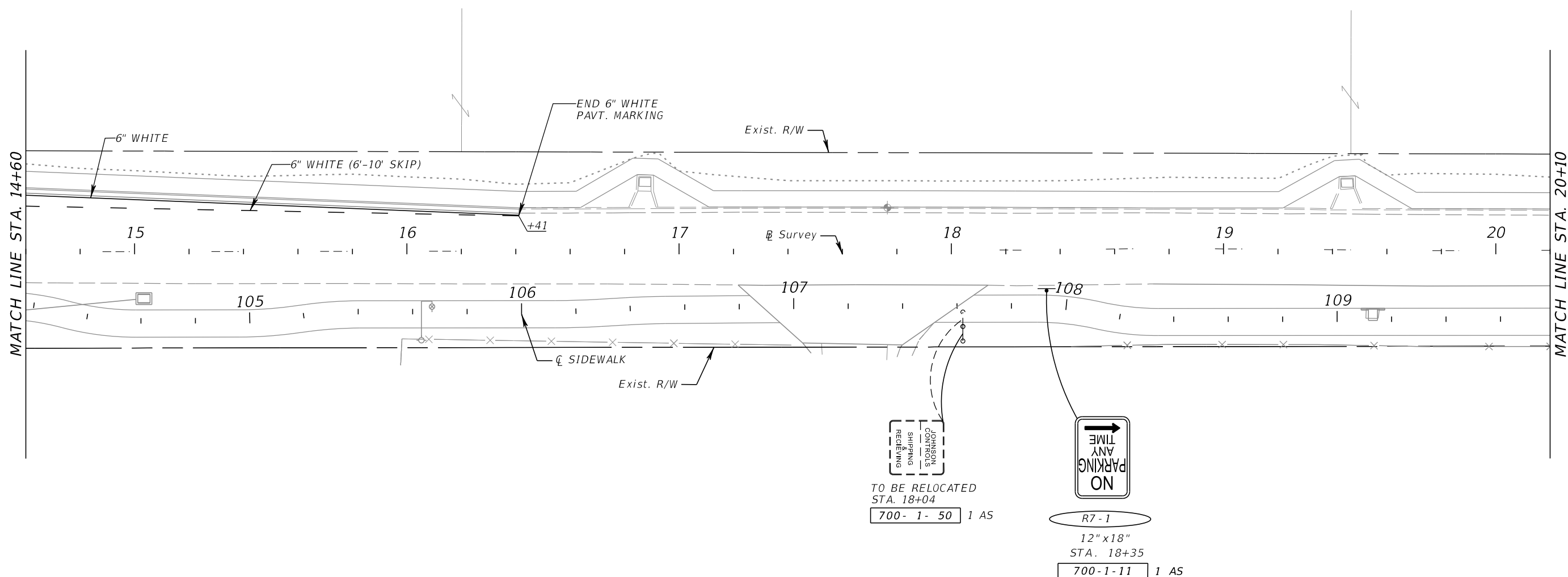
MATCH LINE STA. 14+60



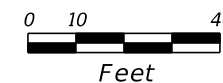
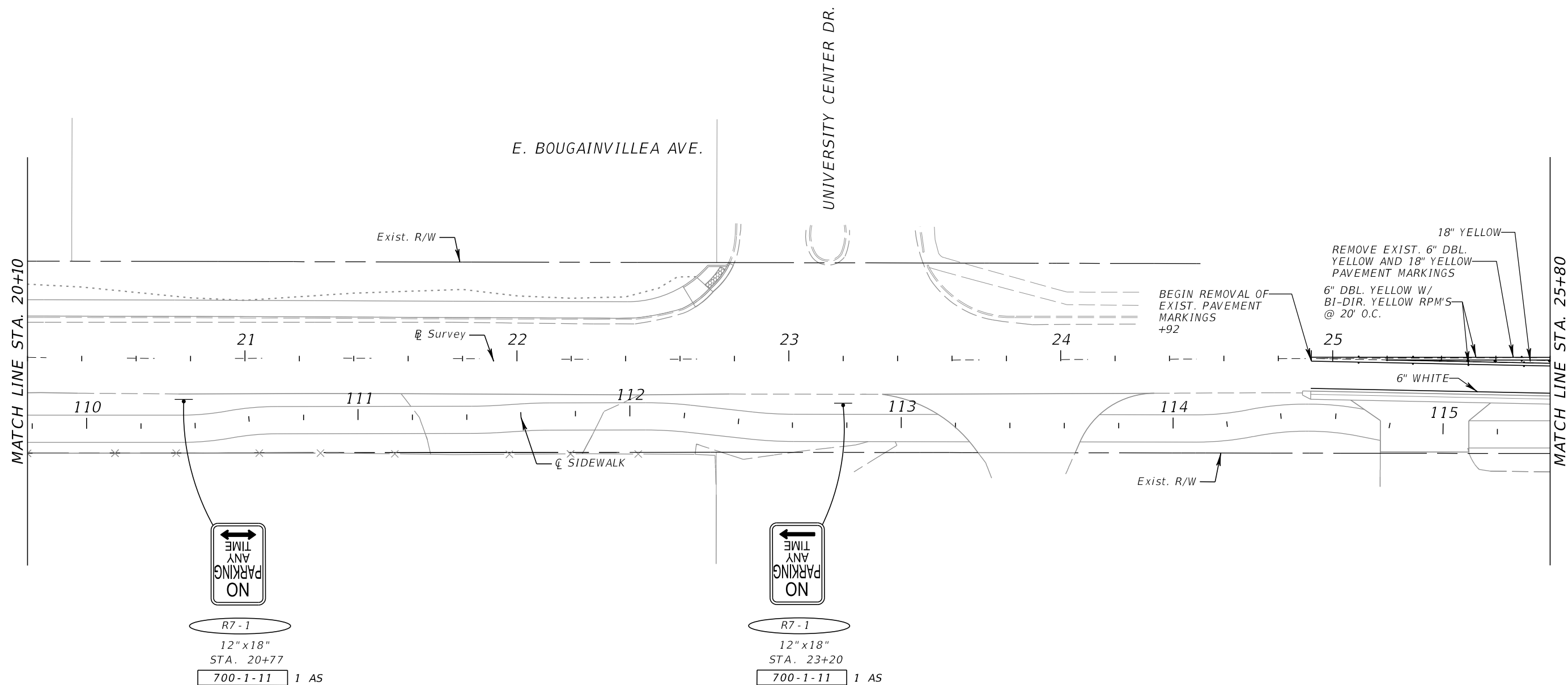
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DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
					432715-1-58-01	1000261		



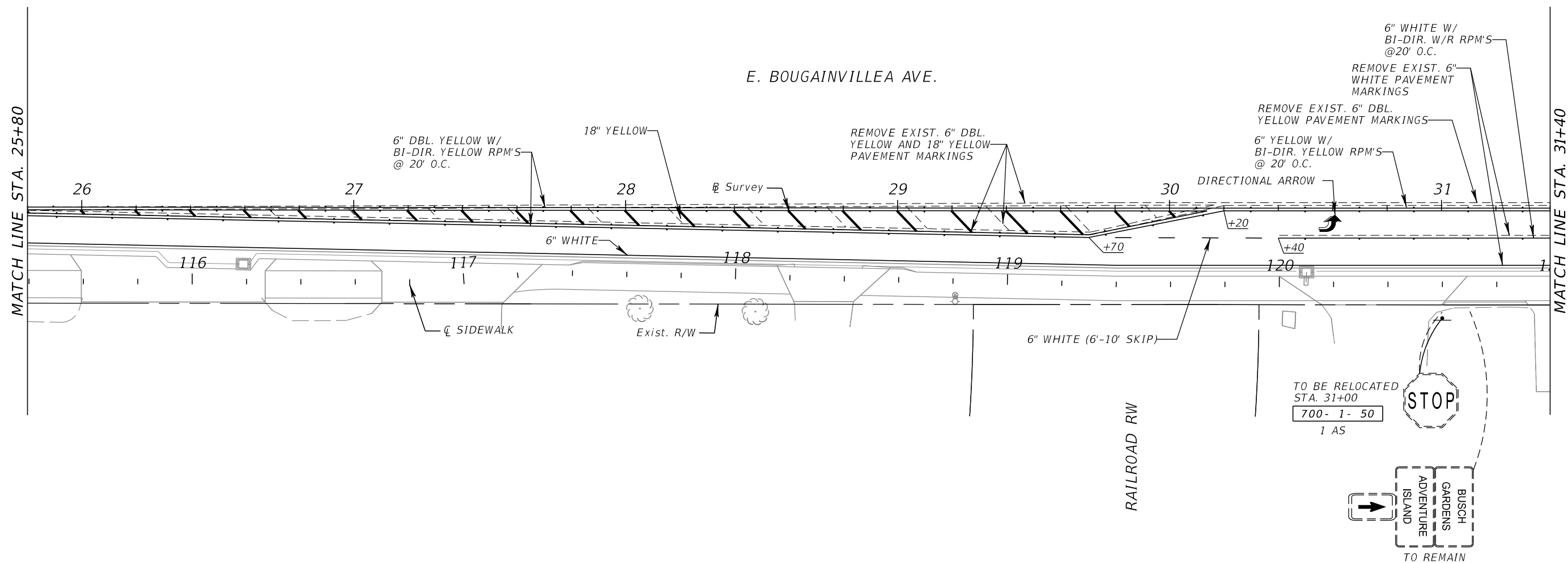
E. BOUGAINVILLEA AVE.



REVISIONS				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		SIGNING AND PAVEMENT MARKING PLANS (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		S-5
					432715-1-58-01	1000261		



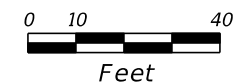
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DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		S-6
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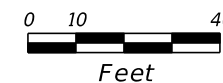
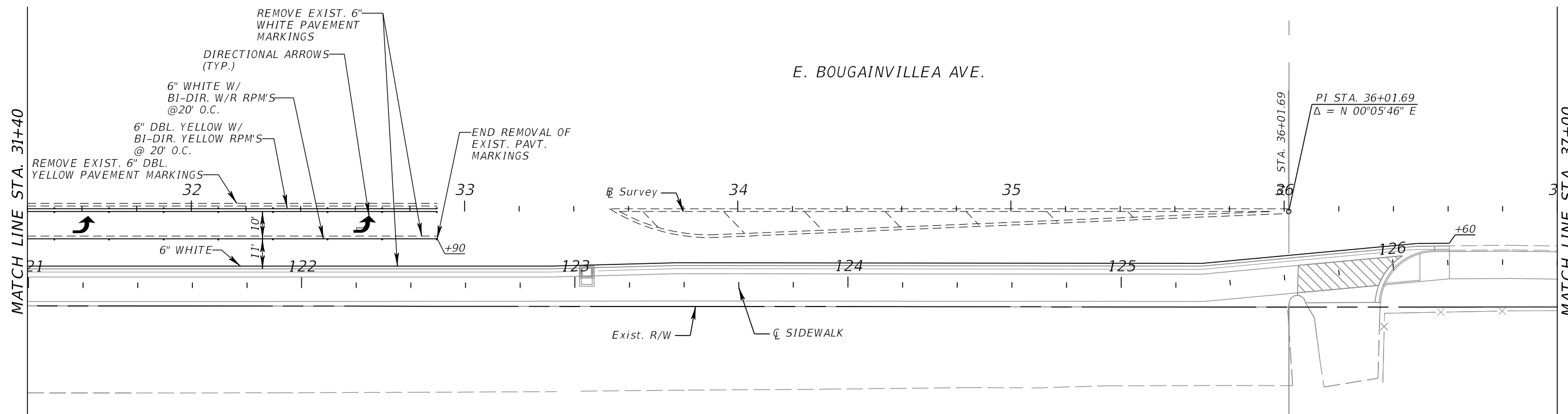
TO BE RELOCATED
STA. 31+00
700-1-50
1 AS



BUSCH
GARDENS
ADVENTURE
ISLAND
TO REMAIN



REVISIONS				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		SIGNING AND PAVEMENT MARKING PLANS (4)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		
						432715-1-58-01		1000261



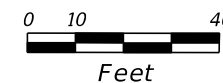
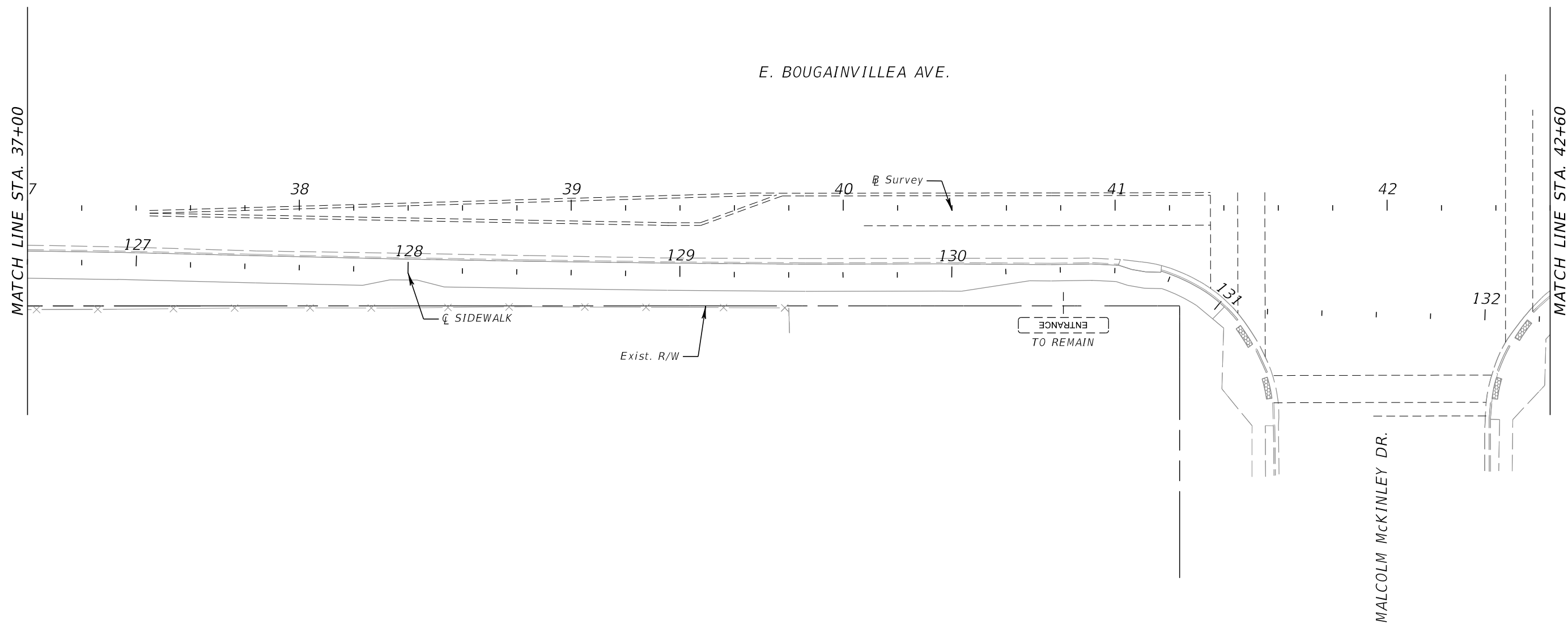
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DATE	DESCRIPTION	DATE	DESCRIPTION

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

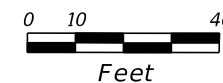
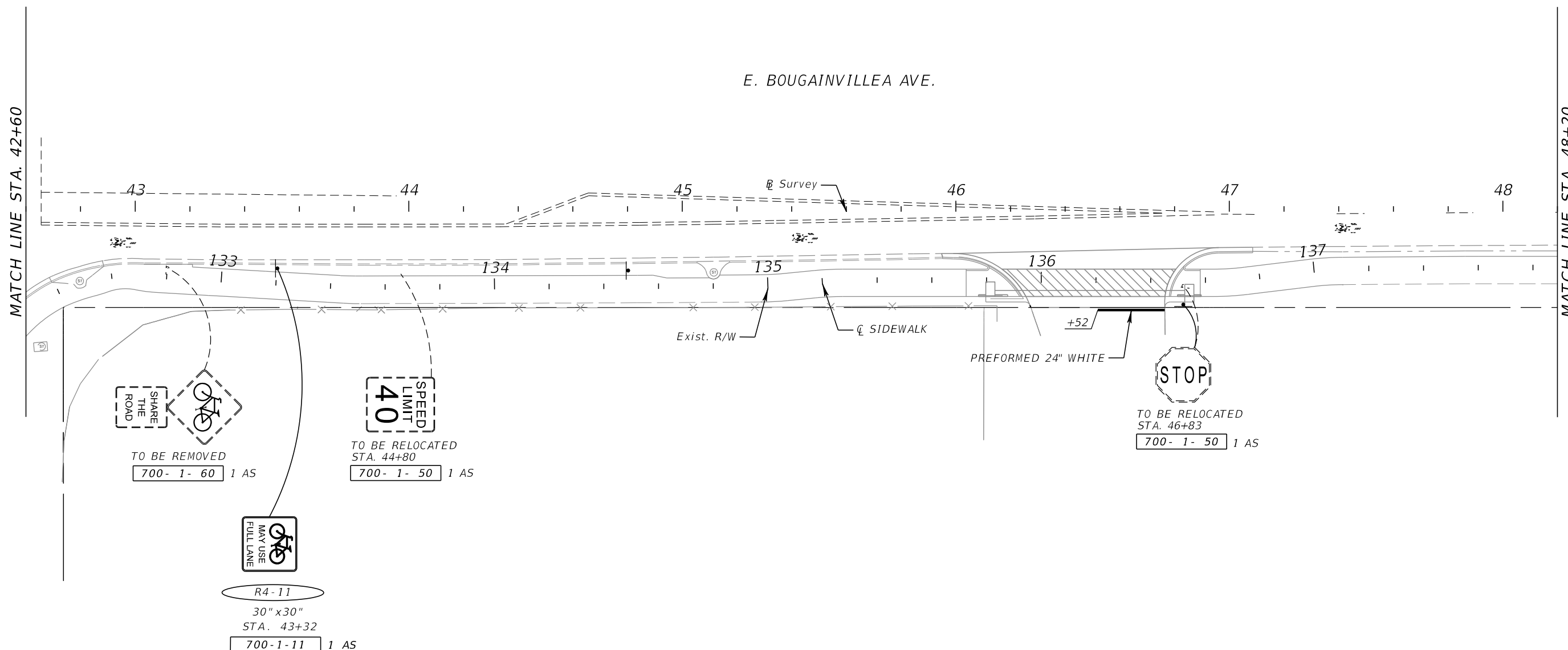
CITY OF TAMPA TRANSPORTATION DEPARTMENT	
FINANCIAL PROJECT ID	CITY PROJECT ID
432715-1-58-01	1000261

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

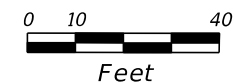
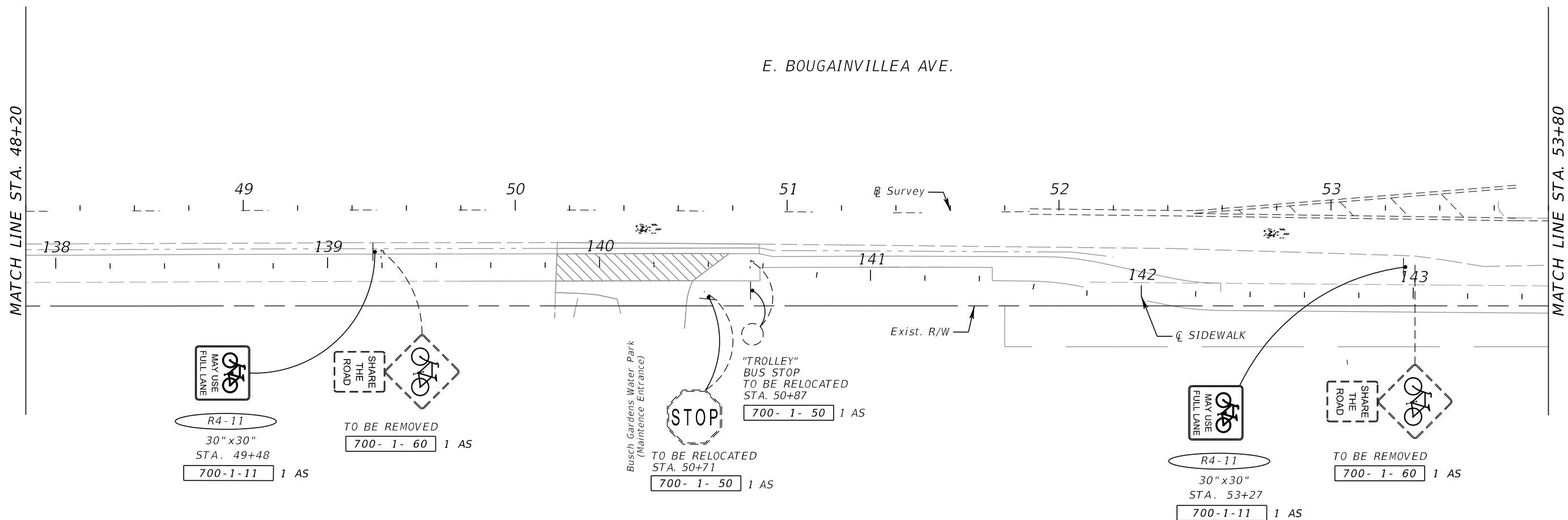
SHEET
NO.
S-8



REVISIONS				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		SIGNING AND PAVEMENT MARKING PLANS (6)	SHEET NO. S-9
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANICAL PROJECT ID	CITY PROJECT ID		
				432715-1-58-01	1000261			



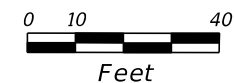
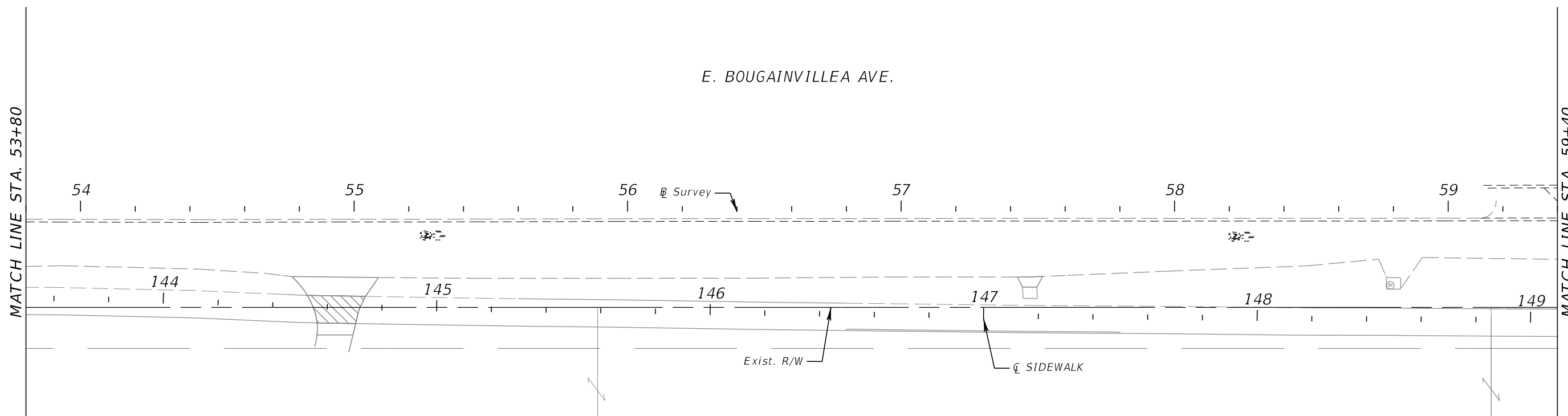
REVISIONS				GREGORY S. TRIM, P.E. P.E. LICENSE NUMBER 52935 SAM SCHWARTZ ENGINEERING 2709 N. ROCKY POINT DR., SUITE 104 TAMPA, FL 33607 CERTIFICATE OF AUTHORIZATION 30268	CITY OF TAMPA TRANSPORTATION DEPARTMENT		SIGNING AND PAVEMENT MARKING PLANS (7)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		S-10
					432715-1-58-01	1000261		



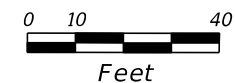
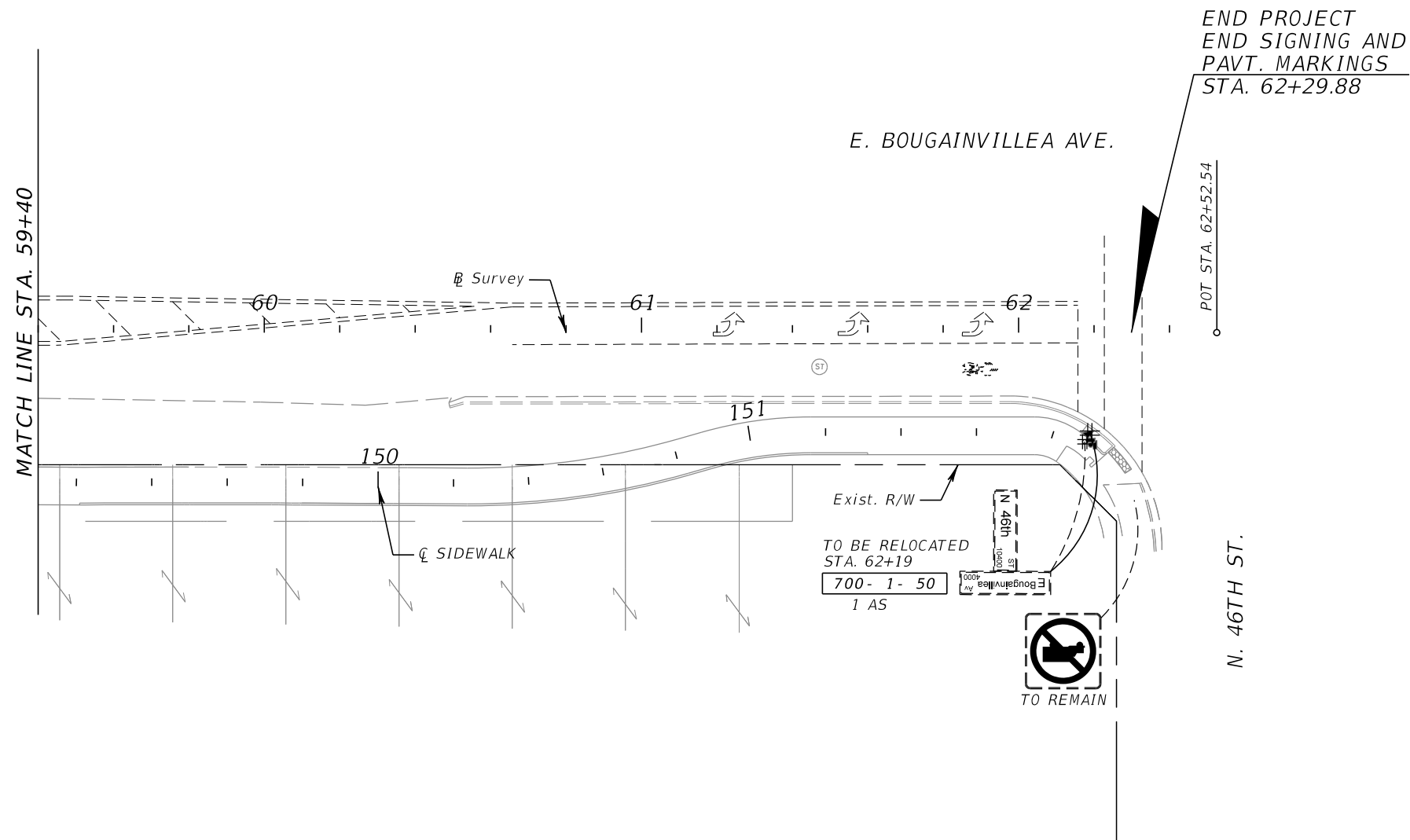
REVISIONS				GREGORY S. TRIM, P.E. P.E. LICENSE NUMBER 52935 SAM SCHWARTZ ENGINEERING 2709 N. ROCKY POINT DR., SUITE 104 TAMPA, FL 33607 CERTIFICATE OF AUTHORIZATION 30268	CITY OF TAMPA TRANSPORTATION DEPARTMENT		SIGNING AND PAVEMENT MARKING PLANS (8)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		S-11
					432715-1-58-01	1000261		



E. BOUGAINVILLEA AVE.



REVISIONS				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		SIGNING AND PAVEMENT MARKING PLANS (9)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANCIAL PROJECT ID	CITY PROJECT ID		S-12
					432715-1-58-01	1000261		



REVISIONS				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		SIGNING AND PAVEMENT MARKING PLANS (10)	SHEET NO. S-13
DATE	DESCRIPTION	DATE	DESCRIPTION		FINANICAL PROJECT ID	CITY PROJECT ID		
					432715-1-58-01	1000261		