

ROADWAY PLANS
SIGNING & PAVEMENT MARKING PLANS

CONTRACT PLANS

HILLSBOROUGH COUNTY (10000-300)
CITY OF TAMPA CONTRACT NO.: 1001226
34th STREET N

FROM COLUMBUS DRIVE TO US 92 / E HILLSBOROUGH AVENUE

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

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Florida Department of Transportation, FY 2019/20 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

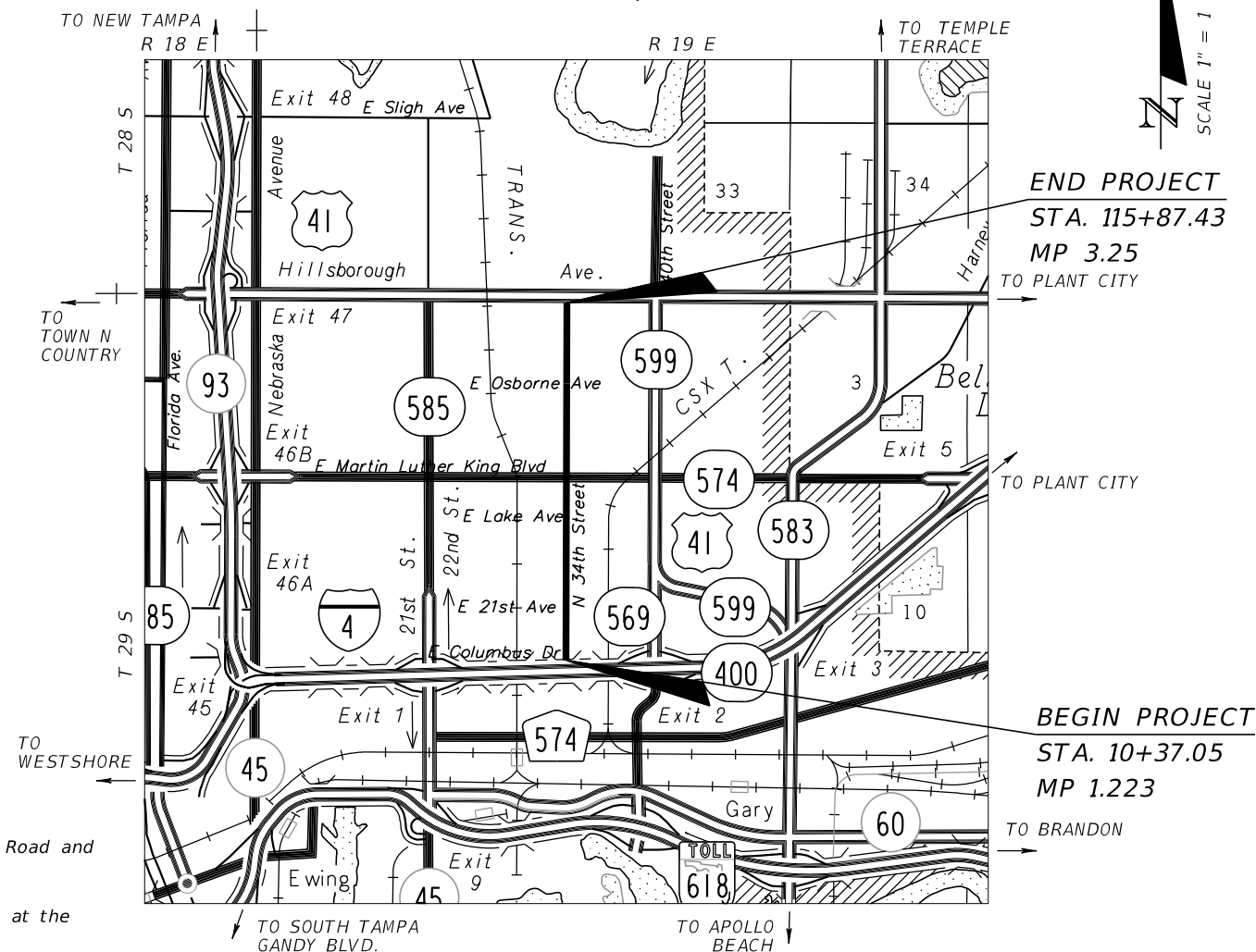
Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

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

Florida Department of Transportation, July 2019 Standard Specifications
for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

And City of Tampa Transportation Stormwater Services (tss)
Technical Specifications, Latest Edition.

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

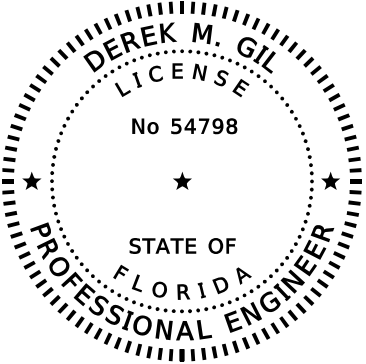


ROADWAY PLANS
ENGINEER OF RECORD:

DEREK M. GIL, P.E.
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ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
PHONE: 813.386.2101
VENDOR NO. 56-2565488
CERTIFICATE OF AUTHORIZATION No. 26921

<i>FISCAL YEAR</i>	<i>SHEET NO.</i>
<i>19</i>	<i>1</i>

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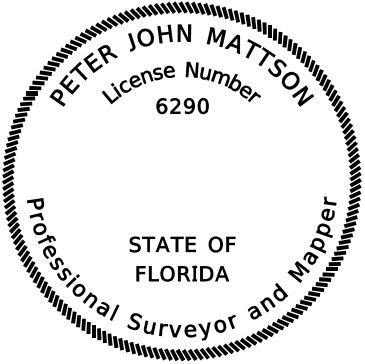
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ELEMENT ENGINEERING GROUP
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CERTIFICATE OF AUTHORIZATION 26921
DEREK M. GIL P.E., NO. 54798

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

ROADWAY PLANS

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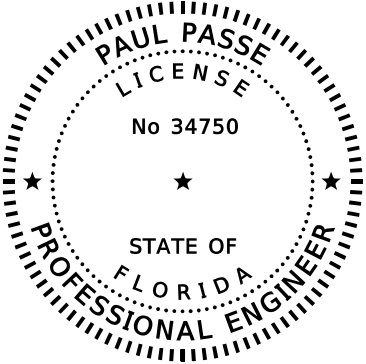
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ELEMENT ENGINEERING GROUP
1713 E. 9TH AVENUE
TAMPA, FL 33605
LICENSE BUSINESS NO: LB7831
PETER JOHN MATTSON, PMS NO. 6290

THE ABOVE NAMED PROFESSIONAL SURVEYOR AND MAPPER SHALL BE RESPONSIBLE
FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17.062, F.A.C.

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
CTL-1 - CTL-2	PROJECT CONTROL



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PROFESSIONAL SERVICE INDUSTRIES, INC.
5801 BENJAMIN CENTER DR., SUITE 112
TAMPA, FL 33634
CERTIFICATE OF AUTHORIZATION 3684
PAUL D. PASSE, P.E. No. 34750

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

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
GR-1	ROADWAY SOILS SURVEY

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		2

PAY ITEMS

SUMMARY OF ROADWAY

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	FA PARTICIPATING	NON PARTICIPATING	TOTAL
0101 1	MOBILIZATION	LS	1		1
0102 1	MAINTENANCE OF TRAFFIC	LS	1		1
0104 10 3	SEDIMENT BARRIER	LF	897		897
0104 18	INLET PROTECTION SYSTEM	EA	23		23
0110 1 1	CLEARING & GRUBBING	AC	3.85		3.85
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	4034		4034
0110 7 1	MAILBOX, F&I SINGLE	EA	5		5
0120 1	REGULAR EXCAVATION	CY	3748.0		3748.0
0120 6	EMBANKMENT	CY	1674.0		1674.0
0160 4	TYPE B STABILIZATION	SY	9609		9609
0285706	OPTIONAL BASE, BASE GROUP 06	SY	831		831
0285707	OPTIONAL BASE, BASE GROUP 07	SY	6671		6671
0327 70 1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	SY	16648		16648
0334 1 52	SUPERPAVE ASPH CONC, TRAFFIC B, PG76-22	TN	1457.6		1457.6
0337 7 80	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC B, FC-9.5, PG 76-22	TN	1281.2		1281.2
0425 2 61	MANHOLES, P-8, <10'	EA	5		5
0425 2 63	MANHOLES, P-8, PARTIAL	EA	2		2
0425 2 91	MANHOLES, J-8, <10'	EA	3		3
0425 2 93	MANHOLES, J-8, PARTIAL	EA	1		1
0425 5	MANHOLE, ADJUST	EA	7		7
0425 5 1	MANHOLE, ADJUST, UTILITIES	EA	18		18
0425 6	VALVE BOXES, ADJUST	EA	27		27
0430175118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	737		737
0430175124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	12		12
0430175130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	8		8
0430175136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	8		8
0430830	PIPE FILLING AND PLUGGING- PLACE OUT OF SERVICE	CY	15.3		15.3
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	7237		7237
0520 1 12	CONCRETE CURB & GUTTER, TYPE F WITH SPECIAL GUTTER PROFILE	LF	430		430
0520 2 4	CONCRETE CURB, TYPE D	LF	372		372
0520 2 8	CONCRETE CURB, TYPE RA	LF	594		594
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	1478		1478
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	2553		2553
0526 1 1	PAVERS, ARCHITECTURAL, ROADWAY	SY	1231		1231
0527 2	DETECTABLE WARNINGS	SF	737		737
0550 10228	FENCING, TYPE B, 5.1-6.0, RESET EXISTING	LF	153		153
0570 1 2	PERFORMANCE TURF, SOD	SY	4232		4232
425-9-4	INLET, CURB, TYPE BV-1, < 10' (CITY OF TAMPA)	EA	13		13
425-9-2A	INLET, CURB, TYPE BR-1, < 10' (CITY OF TAMPA)	EA	4		4
425-9-2A	INLET, CURB, TYPE BR-1 MOD, WITH J BOTTOM (CITY OF TAMPA)	EA	2		2

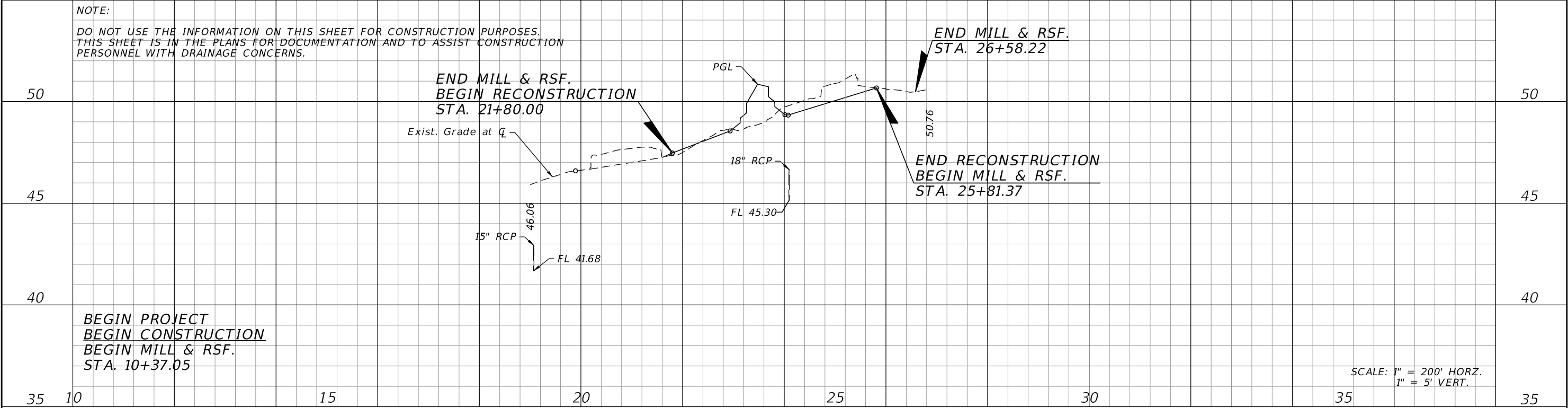
REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			<i>SUMMARY OF PAY ITEMS</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		3

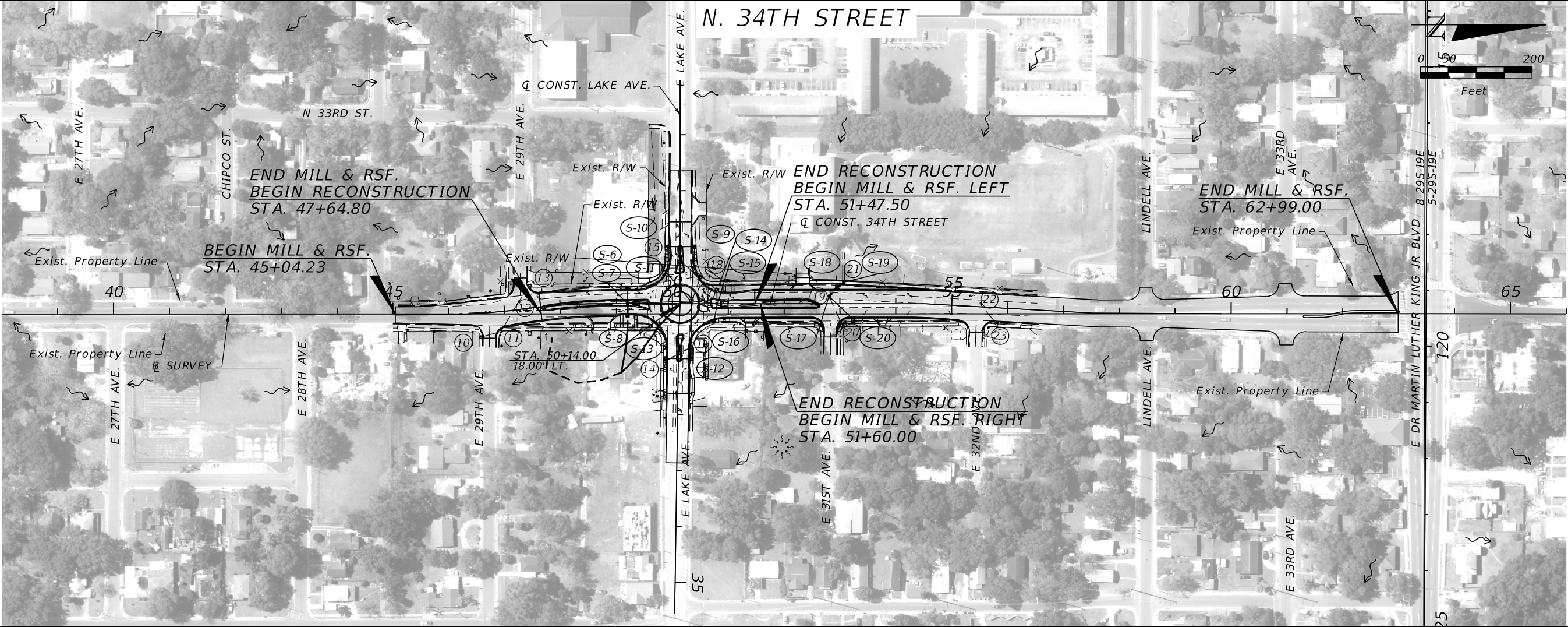
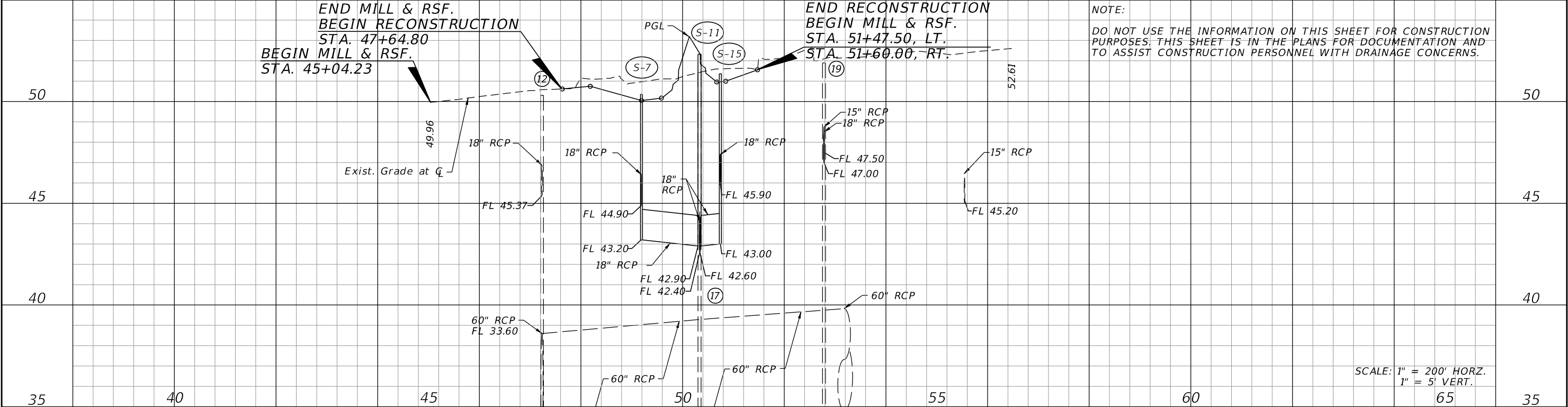
PAY ITEMS					
SUMMARY OF SIGNING AND PAVEMENT MARKINGS AND SIGNALIZATION					
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	FA PARTICIPATING	NON PARTICIPATING	TOTAL
0632 7 6	SIGNAL CABLE, REMOVE- INTERSECTION	PI	4		4
0632 7 7	SIGNAL CABLE, REMOVE- OUTSIDE OF INTERSECTION	LF	2500		2500
0641 2 60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA	1		1
0641 2 80	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- POLE 30' AND GREATER	EA	4		4
0646 1 60	ALUMINUM SIGNALS POLE, REMOVE	EA	3		3
0650 1 70	TRAFFIC SIGNAL, RELOCATE- INCLUDES REMOVAL AND REINSTALLATION	AS	2		2
0670 5600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	2		2
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	159	76	235
0700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS		2	2
0700 1 50	SINGLE POST SIGN, RELOCATE	AS	1	31	32
0700 1 60	SINGLE POST SIGN, REMOVE	AS	67	43	110
0700 3 501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA	1	10	11
0700 3 601	SIGN PANEL, REMOVE, UP TO 12 SF	EA		30	30
0700 12 21	SIGN BEACON, F&I, GROUND MOUNT, SOLAR POWERED, ONE BEACON	AS		4	4
0700 13 15	RETRO-REFLECTIVE SIGN STRIP, F&I, 5'	EA	4	4	8
0710 90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS	1	1	2
0710 11290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	102		102
0711 11103	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	GM	0.019		0.019
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID FOR CROSSWALK, 12"	LF	980	2685	3665
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID FOR DIAGONALS AND CHEVRONS, 18"	LF	162		162
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID FOR STOP LINE, 24"	LF	414	565	979
0711 11141	THERMOPLASTIC, STANDARD, WHITE, (2/4) DOTTED GUIDE LINE/(6/10) GAP EXTENSION, 6"	GM	0.234		0.234
0711 11144	THERMOPLASTIC, STANDARD, WHITE, (2/2) DOTTED GUIDE LINE, 12"	GM	0.088		0.088
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	16	4	20
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROWS	EA	41		41
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID FOR DIAGONALS AND CHEVRONS, 18"	LF	1218		1218
0711 11241	THERMOPLASTIC, STANDARD, YELLOW, (6/10) GAP EXTENSION, 6"	GM	0.135		0.135
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF	1105	243	1348
0711 14160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	50		50
0711 14170	THERMOPLASTIC, PREFORMED, WHITE, ARROWS (BIKE ARROW)	EA	13		13
0711 16101	THERMOPLASTIC, STD - OTHER SURFACES, WHITE, SOLID, 6"	GM	1.848	2.285	4.133
0711 16102	THERMOPLASTIC, STD - OTHER SURFACES, WHITE, SOLID, 8"	GM	0.200		0.200
0711 16131	THERMOPLASTIC, STD - OTHER SURFACES, WHITE, (10/30) SKIP, 6"	GM	0.070		0.070
0711 16133	THERMOPLASTIC, STD - OTHER SURFACES, WHITE, (3/9) SKIP, 12"	GM	0.065		0.065
0711 16201	THERMOPLASTIC, STD - OTHER SURFACES, YELLOW, SOLID, 6"	GM	2.243	1.795	4.038
0711 16231	THERMOPLASTIC, STD - OTHER SURFACES, YELLOW, (10/30) SKIP, 6"	GM	0.202		0.202

PAY ITEMS					
SUMMARY OF UTILITIES					
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	FA PARTICIPATING	NON PARTICIPATING	TOTAL
0708.06	8-INCH DIAMETER, SDR-35, PVC PIPE SEWER IN CUTS 0 TO 6 FT (CITY OF TAMPA)	LF		156	156
0708.16	8-INCH DIAMETER, SDR-35, PVC PIPE SEWER, 0'-6' CUT, w/ 16" CASING (CITY OF TAMPA)	LF		20	20
1706.00	6-INCH PVC PIPE LATERAL (SDR-35) (CITY OF TAMPA)	LF		100	100
3508.00	8-INCH FLEXIBLE CONNECTOR W/STAINLESS STEEL SHER RING (CITY OF TAMPA)	EA		12	12
7500.00	6-INCH CLEANOUT AND COVER (CITY OF TAMPA)	EA		2	2

REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF PAY ITEMS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
				34TH ST	HILLSBOROUGH	437648-1-58-01			4

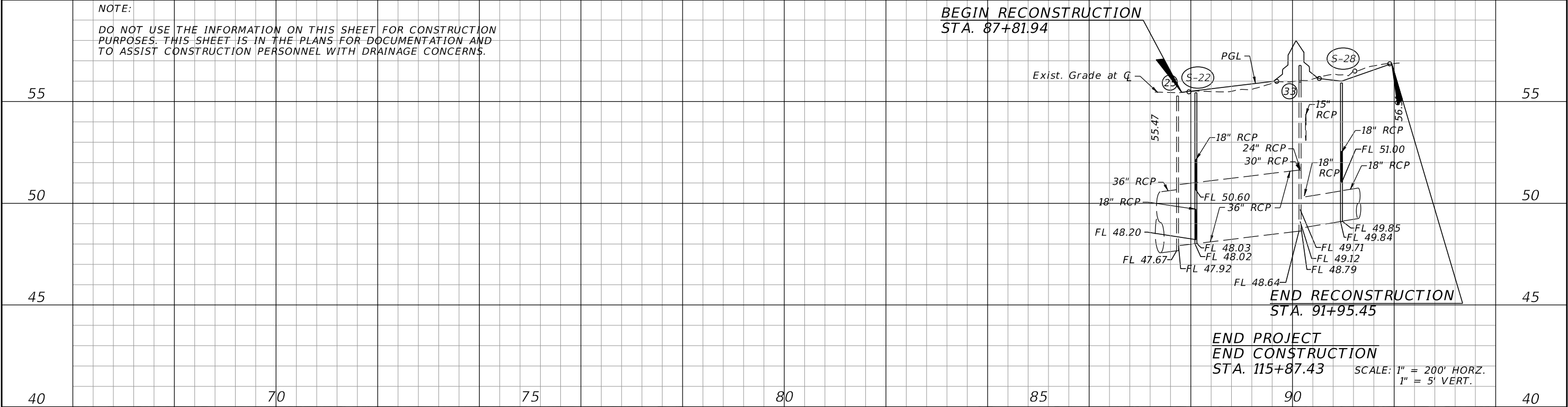
EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921





REVISIONS				DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION NO. 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			DRAINAGE MAP	SHEET NO. 6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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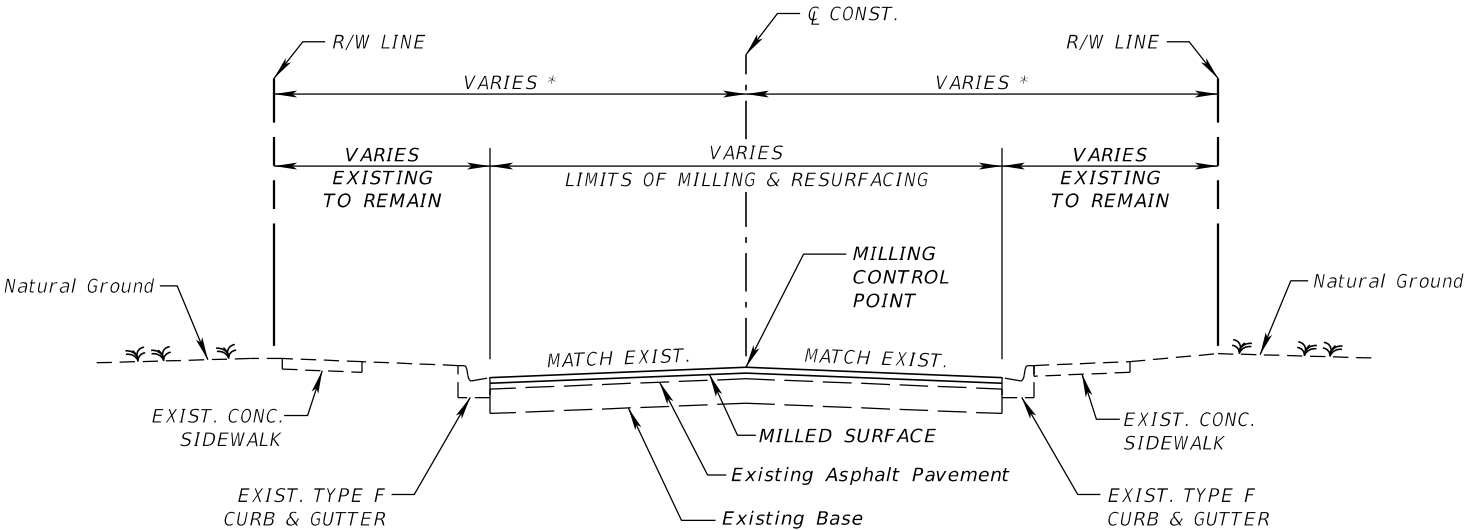
EXISTING DRAINAGE STRUCTURES									
1 CURB INLET WITH MH STA. 19+07.10, 24.52' LT N RIM EL. 46.13 THROAT EL. 45.24 E INV. EL. 41.15, 15" RCP			10 CURB INLET WITH MH STA. 46+59.88, 41.83' RT N RIM EL. 50.45 THROAT EL. 49.41 N INV. EL. 46.52, 15" RCP			19 MH STA. 52+80.41, 31.60' LT N RIM EL. 51.90 N INV. EL. UNKNOWN, 60" RCP NE INV. EL. 46.97, 15" RCP NW INV. EL. 46.50, 21" RCP S INV. EL. UNKNOWN, 60" RCP BOTTOM EL. 34.75+/-			28 MH STA. 90+14.31, 298.32' LT N RIM EL. 55.00 N INV. EL. 52.28, 15" RCP S INV. EL. 50.95, 18" RCP W INV. EL. 50.90, 18" RCP E INV. EL. 50.87, 24" RCP
2 MH STA. 19+07.36, 6.23' LT N RIM EL. 46.01 W INV EL. (UNKNOWN), 15" RCP E INV EL. (UNKNOWN), 15" RCP			11 CURB INLET WITH MH STA. 46+91.16, 28.65' RT N RIM EL. 50.09 THROAT EL. 49.10 S INV. EL. 46.29, 15" RCP NW IN. EL. 46.13, 18" RCP			20 CURB INLET WITH MH STA. 53+02.80, 19.11' RT N RIM EL. 51.98 THROAT EL. 51.11 SW INV. EL. 47.63, 15" RCP			29 GRATE INLET STA. 90+26.82, 297.41' LT GRATE EL. 54.70 S INV. EL. 52.57, 15" RCP
3 CURB INELT WITH MH STA. 19+06.88, 26.59' RT N RIM EL. 46.19 THROAT EL. 45.29 W INV. EL. 42.21, 15" RCP			12 MH STA. 47+25.03, 21.68' LT N RIM EL. 50.31 N INV. EL. UNKNOWN, 60" RCP NW INV. EL. 45.21, 15" RCP SE INV. EL. 45.08, 18" RCP W INV. EL. UNKNOWN, 60" RCP BOTTOM BOX EL. 33.60+/-			21 CURB INLET WITH MH STA. 53+06.13, 51.94' LT N RIM EL. 51.69 THROAT EL. 50.87 W INV. (N) EL. 48.27, 10" DIP W INV. (S) EL. 48.28, 10" DIP SE INV. EL. 46.92, 21" RCP			30 CURB INLET WITH MH STA. 89+92.29, 196.55' RT N RIM EL. 55.95 THROAT EL. 55.04 N INV. EL. 50.79, 15" RCP
4 MH STA. 23+53.25, 35.26' RT N RIM EL. 48.97 N INV. EL. 44.61, 18" RCP E INV. EL. 44.49, 18" RCP			13 CURB INLET WITH MH STA. 47+43.20, 48.35' LT N RIM EL. 50.42 THROAT EL. 49.36 SE INV. EL. 45.41, 15" RCP			22 MH STA. 55+51.04, 17.62' LT N RIM EL. 52.27 NE INV. EL. (UNKNOWN), 15" RCP			31 POSSIBLE UNDERGROUND JUNCTION BOX (NOT VERIFIED) STA. 90+15.93, 195.83' RT S INV. EL. (UNKNOWN), 15" RCP E INV. EL. (UNKNOWN), 30" RCP W INV. EL. (UNKNOWN), 30" RCP
4A MH STA. 23+55.21, 286.94' RT. N RIM EL. 48.21 W INV. EL. 42.50, 18" RCP NW INV. EL 42.52, 15" RCP E INV. EL. 42.49 , 18" RCP			14 CURB INLET WITH MH STA. 49+89.79, 85.27' RT N RIM EL. 50.90 THROAT EL. 49.99 NW INV EL. (UNKNOWN), 18" RCP BOTTOM EL. 43.95			23 CURB INLET WITH MH STA. 55+80.54, 14.74' RT N RIM EL. 52.29 THROAT EL. 51.37 SW INV. EL. 45.20, 15" RCP			32 MH STA. 90+16.04, 223.70' RT N RIM EL. 55.65 N INV. EL. 53.20, 14"X23" ERCP E INV. EL. 49.93, 30" RCP W INV. EL. 49.84, 30" RCP
5 CURB INLET WITH MH STA. 24+07.63, 32.54' RT N RIM EL. 49.91 THROAT EL. 49.14 S INV. EL. 45.26, 18" RCP W INV. EL. 45.16, 18" RCP			15 CURB INLET WITH MH STA. 49+92.62, 113.35' LT N RIM EL. 50.68 THROAT EL. 49.82 NE INV. EL. 43.02, 15" RCP			24 GRATE INLET STA. 87+67.31, 31.87' LT TOP EL. = 54.62 SE INV. EL. = 50.69			33 MH STA. 90+14.93, 6.69' LT N RIM EL. 56.00 N INV. EL. 48.79, 18" RCP NE INV. EL. 52.86, 15" RCP E INV. EL. 49.12, 30" RCP S INV. EL. 48.64, 36" RCP W INV. EL. 49.71, 24" RCP NW INV. EL. 53.15, 15" RCP NNW INV. EL. 52.82, 15" RCP
6 CURB INLET WITH MH STA. 24+11.69, 34.69' LT N RIM EL. 49.78 THROAT EL. 48.94 W INV. EL. 47.02, 6" PVC E INV. EL. 45.45, 18" RCP			16 GRATE INLET STA. 50+30.15, 61.34' RT GRATE EL. 50.35 WM RUNNING THROUGH BOX WM TOP EL. 46.90 SE INV. EL. 43.07, 18" RCP W INV. EL. 42.96, 24" RCP			25 UNDERGROUND JUNTION BOX STA. 87+74.25, 4.83' LT MANHOLE RIM EL. = 55.28 N INV. EL. = 47.92 S. INV. EL. = 47.67 NW INV. EL. = 48.80 SW INV. EL. = 49.22 BOTTOM OF BOX EL. = 47.70 TOP OF SANITARY PIPE = 48.73			33A MH STA. 93+02.24, 6.83' LT. N RIM EL. 57.03 S INV. EL. 49.98, 18" RCP NW INV. EL. 51.62, 18" RCP
7 CURB INLET WITH MH STA. 26+19.81, 57.47' RT N RIM EL. 50.29 THROAT EL. 49.93 NW INV. EL. 46.54, 15" RCP			17 MH STA. 50+35.03, 23.16' LT N RIM EL. 51.45 N INV. EL. UNKNOWN, 60" RCP E INV. EL. 42.07, 24" RCP W INV. EL. 42.98, 24" RCP S INV. EL. UNKNOWN, 60" RCP BOTTOM EL. 34.29+/-			26 GRATE INLET STA. 87+92.45, 32.89' LT TOP EL. = 54.97 SE INV. EL. = 50.68			34 GRATE INLET STA. 90+51.63, 25.81' RT GRATE EL. 55.64 SW INV. EL. 53.58, 15" RCP
8 MH STA. 26+25.92, 48.45' RT N RIM EL. 49.95 SE INV. EL. 46.54, 15" RCP NE INV. EL. 43.66, 15" RCP E INV. EL. 43.46, 18" RCP			18 CURB INLET WITH MH STA. 50+47.60, 62.99' LT N RIM EL. 50.39 THROAT EL. 49.56 SW INV. EL. 43.00, 15" RCP E INV. EL. 42.91, 24" RCP			27 GRATE INLET STA. 89+93.09, 297.38' LT GRATE EL. 54.64 N INV. EL. 51.74, 18" RCP			35 GRATE INLET STA. 91+14.63, 19.36' LT GRATE EL. 55.85 SSE INV.EL. 53.60, 15" RCP
9 CURB INLET WITH MH STA. 26+48.05, 61.72' RT N RIM EL. 50.43 THROAT EL. 49.68 E INV. EL. 46.47, 15" HDPE SW INV. EL. 43.80, 15" RCP									NOTE: ALL STATION & OFFSET CALLOUTS ARE FROM THE  OF SURVEY FOR 34th STREET.

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			DRAINAGE MAP	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01	8	

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

TRAFFIC DATA

COUNT YEAR = 2015 AADT = 7352
CURRENT YEAR = 2016 AADT = 7400
ESTIMATED OPENING YEAR = 2019 AADT = 7600
ESTIMATED DESIGN YEAR = 2039 AADT = 9100
K = 8.5% D = 50% T = 5% (24 HOUR)
DESIGN HOUR T = 5%
DESIGN SPEED = 30 MPH



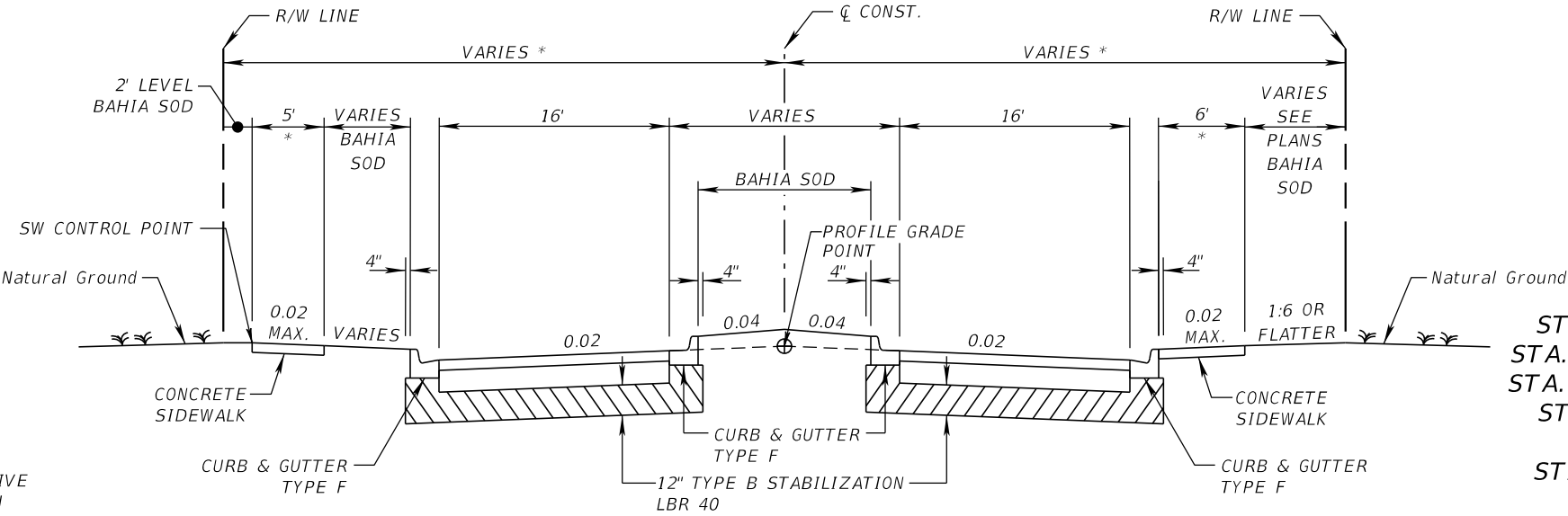
* R/W & SIDEWALK LOCATIONS VARY, SEE ROADWAY PLAN & INTERSECTION DETAIL SHEETS

TYPICAL SECTION
CONSTANT DEPTH MILLING & RESURFACING

34th STREET
STA. 10+37.05 TO STA. 21+80.00
STA. 25+81.37 TO STA. 26+58.22
STA. 45+04.23 TO STA. 47+64.80
STA. 51+47.50 TO STA. 62+99.00 LT.
STA. 51+60.00 TO STA. 62+99.00 RT.
STA. 64+01.00 TO STA. 66+40.00
STA. 115+00.00 TO STA. 115+87.43
21st AVENUE
STA. 28+57.00 TO STA. 28+66.93
STA. 31+07.90 TO STA. 31+51.00
LAKE AVENUE
STA. 27+62.84 TO STA. 28+55.50
STA. 31+62.27 TO STA. 32+86.48
OSBORNE AVENUE
STA. 27+82.66 TO STA. 29+00.00 RT.
STA. 31+27.53 TO STA. 31+75.96 LT.

MILLING AND RESURFACING

MILL 1" (AVG. DEPTH)
FRICTION COURSE (1") (TRAFFIC B, FC-9.5, PG 76-22)



* R/W & SIDEWALK LOCATIONS VARY, SEE ROADWAY PLAN & INTERSECTION DETAIL SHEETS

TYPICAL SECTION
RECONSTRUCTION

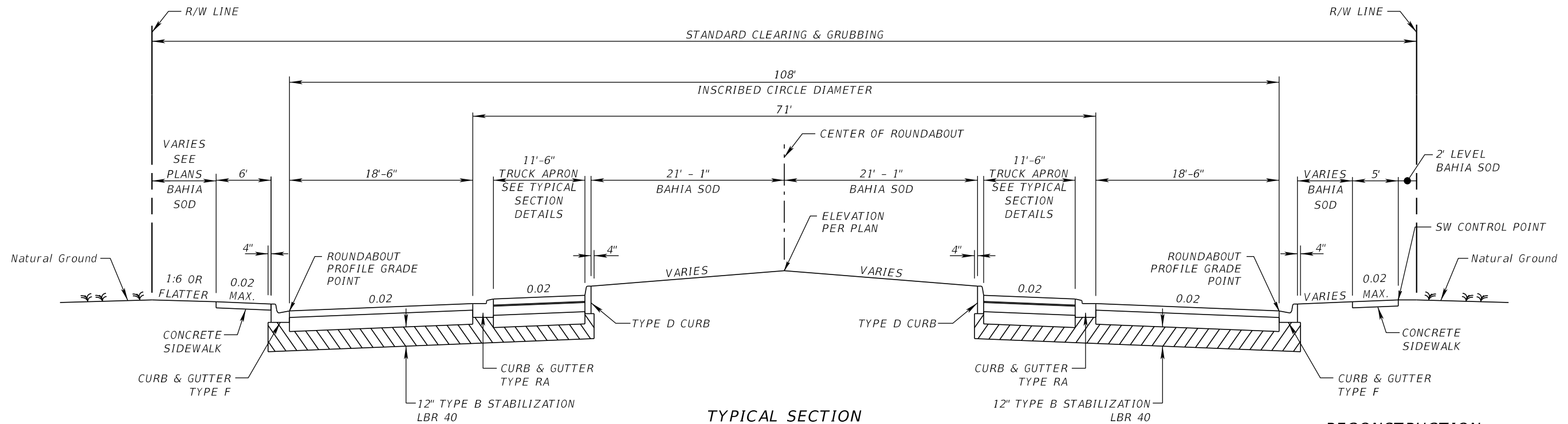
34th STREET
STA. 21+80.00 TO STA. 25+81.37
STA. 47+64.80 TO STA. 51+47.50 LT.
STA. 47+64.80 TO STA. 51+60.00 RT.
STA. 87+81.94 TO STA. 91+95.45
21st AVENUE
STA. 28+66.93 TO STA. 31+07.90
LAKE AVENUE
STA. 28+55.50 TO STA. 31+62.27
OSBORNE AVENUE
STA. 27+17.73 TO STA. 31+27.53 LT.
STA. 29+00.00 TO STA. 31+27.53 RT.

RECONSTRUCTION & WIDENING

TYPE B STABILIZATION (LBR 40) (12")
OPTIONAL BASE GROUP 7 WITH
TYPE SP STRUCTURAL COURSE (4") (TRAFFIC B, PG 76-22)
FRICTION COURSE (1") (TRAFFIC B, FC-9.5, PG 76-22)

- TYPICAL SECTION AND PAVING NOTES
- SEE THE PLAN SHEETS FOR THE LIMITS OF SIDE STREET MILLING AND RESURFACING.
 - THE TYPICAL SECTION MAY NOT BE REPRESENTATIVE OF THE ACTUAL CONDITIONS AT ALL LOCATIONS ON THE PROJECT. VARIABLE CONDITIONS SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		9



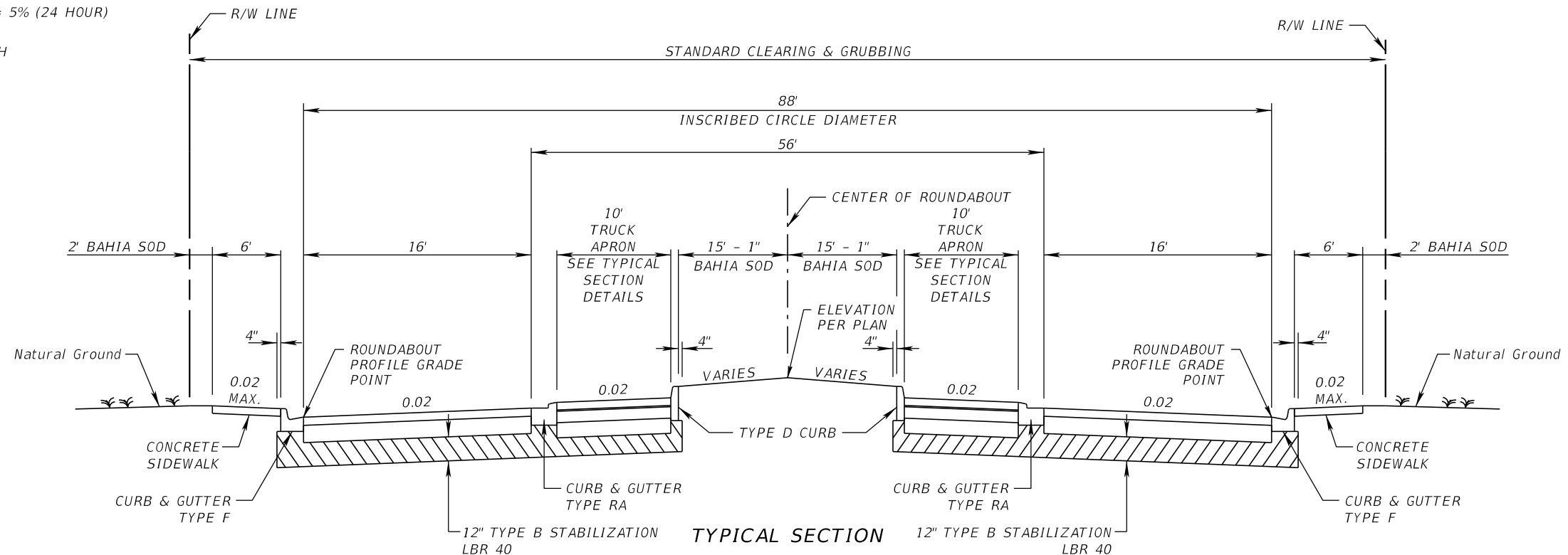
TRAFFIC DATA

COUNT YEAR = 2015 AADT = 7352
 CURRENT YEAR = 2016 AADT = 7400
 ESTIMATED OPENING YEAR = 2019 AADT = 7600
 ESTIMATED DESIGN YEAR = 2039 AADT = 9100
 K = 8.5% D = 50% T = 5% (24 HOUR)
 DESIGN HOUR T = 5%
 DESIGN SPEED = 15 MPH

TYPICAL SECTION 34th STREET ROUNDABOUT STA. 23+47.36 (AT 21st AVENUE) STA. 50+14.00 (AT LAKE AVENUE)

RECONSTRUCTION

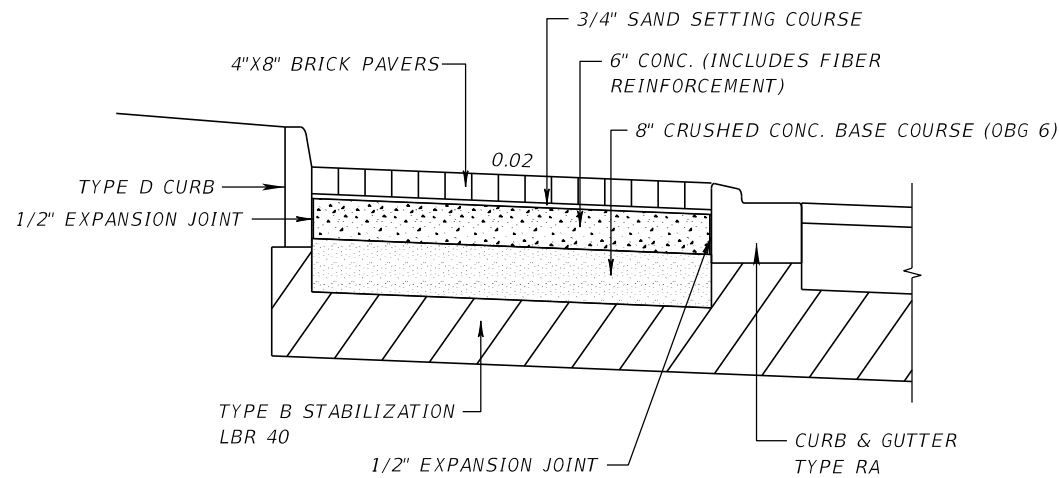
TYPE B STABILIZATION (LBR 40) (12")
 OPTIONAL BASE GROUP 7 WITH
 TYPE SP STRUCTURAL COURSE (4") (TRAFFIC B, PG 76-22)
 FRICTION COURSE (1") (TRAFFIC B, FC-9.5, PG 76-22)



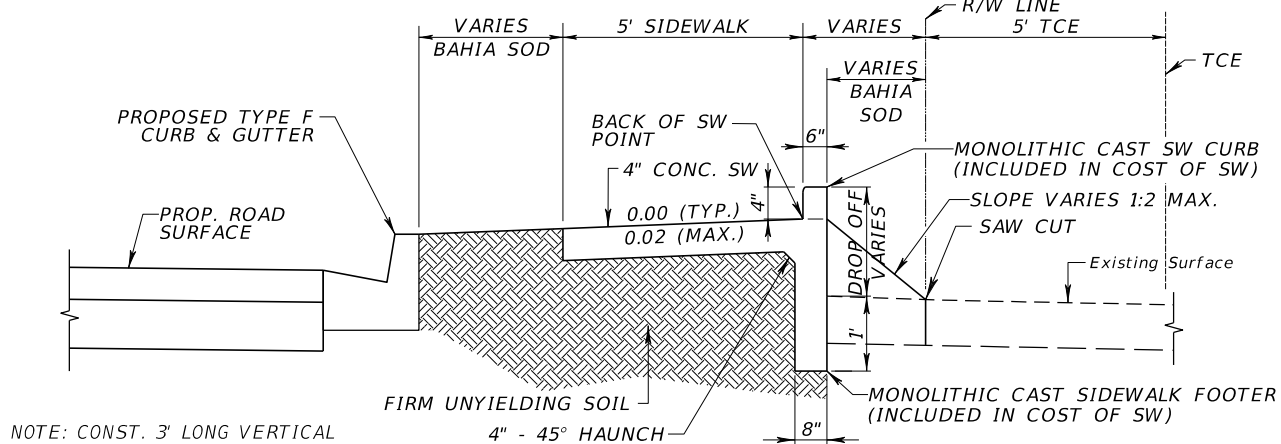
TYPICAL SECTION 34th STREET ROUNDABOUT STA. 90+10.97 (AT OSBORNE AVENUE)

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		
								10	

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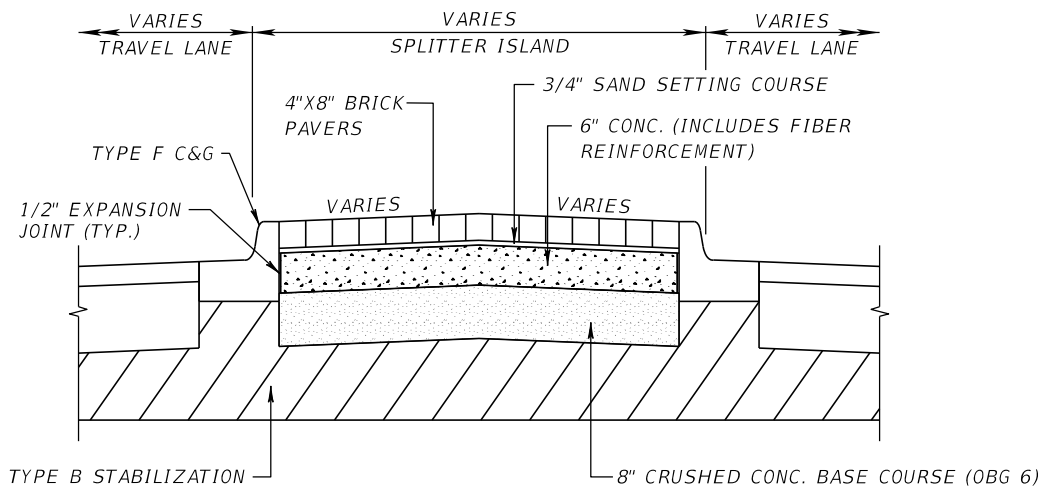


TRUCK APRON DETAIL
N.T.S.

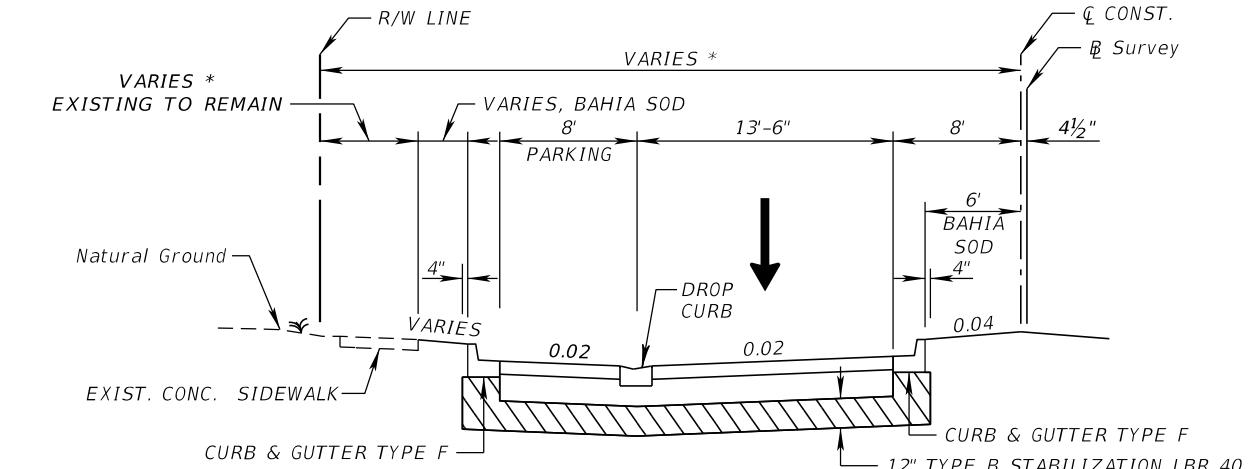


NOTE: CONST. 3' LONG VERTICAL TRANSITIONS AT THE ENDS OF THE SW CURB.

DETAIL OF SIDEWALK CURB & FOOTER
STA. 29+45.10 LT. Q̄ OSBORNE TO STA. 90+50.36 LT. Q̄ 34th STREET
STA. 90+64.67 RT. Q̄ 34th STREET TO STA. 30+58.91 LT. Q̄ OSBORNE
N.T.S.

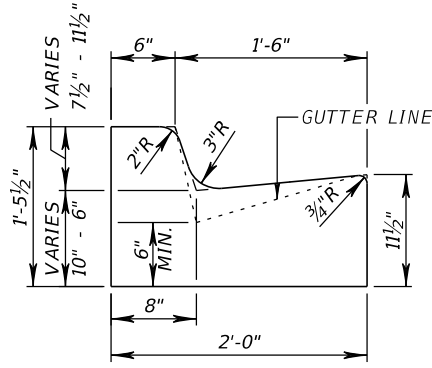


PAVED SPLITTER ISLAND DETAIL
N.T.S.



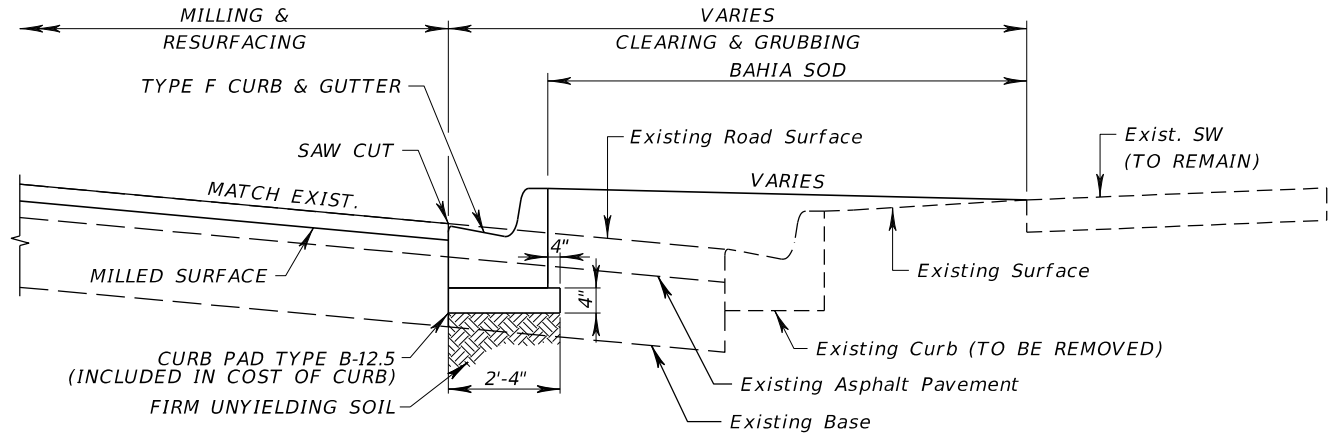
* R/W & SIDEWALK LOCATIONS VARY, SEE ROADWAY PLAN & INTERSECTION DETAIL SHEETS

ON STREET PARKING DETAIL
STA. 24+56.00 TO STA. 25+64.00
N.T.S.



SPECIAL GUTTER (TYPE F) DETAIL
N.T.S.

SPECIAL GUTTER TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR CONCRETE CURB & GUTTER, TYPE F, WITH SPECIAL GUTTER PROFILE. SEE THE ROADWAY PROFILE SHEETS FOR THE SPECIAL GUTTER PROFILE.



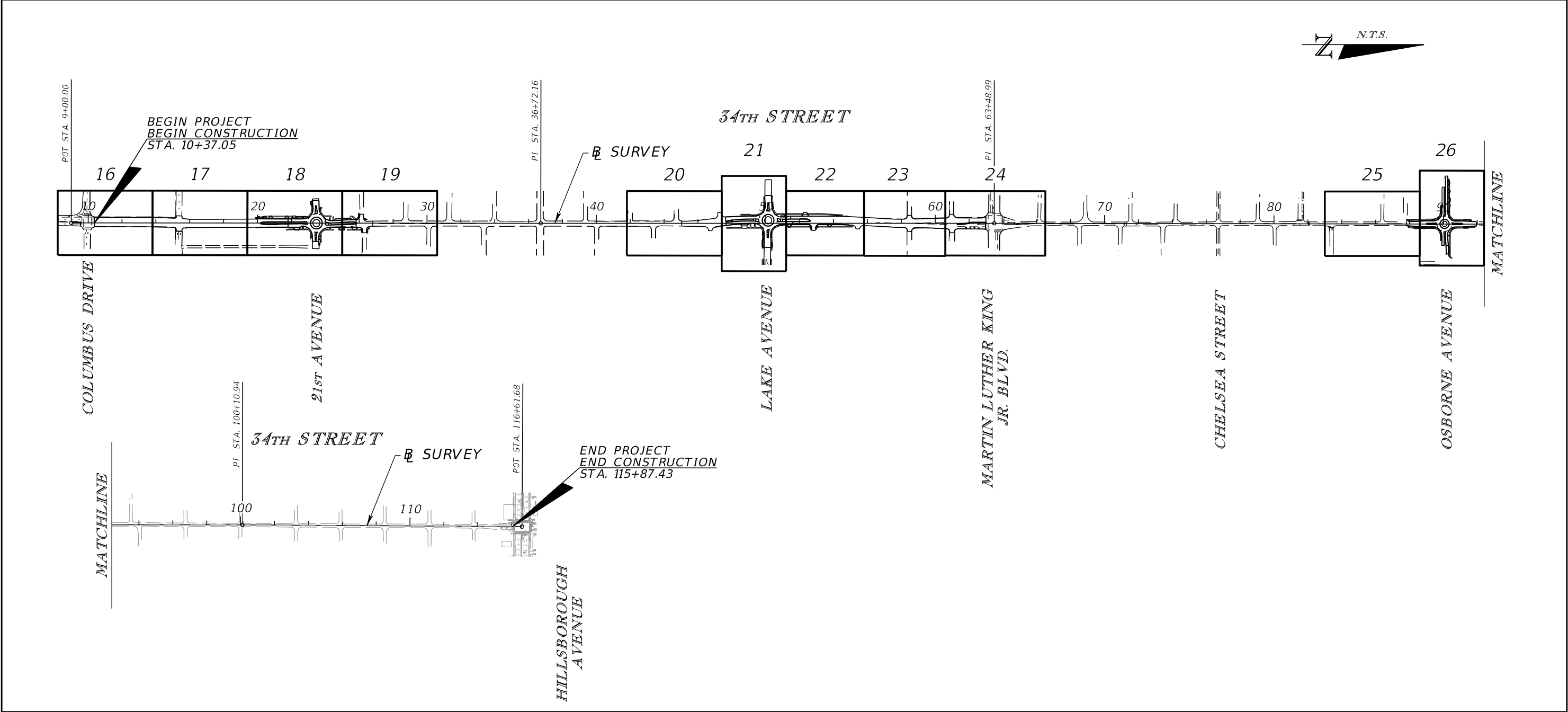
DETAIL OF ASPHALT BASE CURB PAD FOR CURB & GUTTER RELOCATION
N.T.S.

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TYPICAL SECTION DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		11

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

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	CROSS DRAIN/ STORM DRAIN				CURB INLET			MANHOLE				REMARKS			
						ROUND (RCP)				BV-1	BR-1	BR-1	TYPE P-8	TYPE P-8	TYPE J-8	TYPE J-8				
						18"	24"	30"	36"	<10'	<10'	J-BOT.	<10'	PARTIAL	<10'	PARTIAL				
P	S-1	30+66.47 (21ST)	LT.	PIPE, MANHOLE, PIPE	1	8							1				3.5' X 3.5', CONC. JACKETS			
F																				
P	S-2	30+66.96 (21ST)	LT.	INLET, PIPE	1	12					1									
F																				
P	S-3	24+08.57	RT.	PIPE, INLET, PIPE	1	8						1					5.5' X 3.96', CONC. JACKETS, MODIFIED			
F																				
P	S-4	24+11.10	LT.	INLET, PIPE	1	4					1						CONC. JACKET			
F																				
P	S-5	24+11.71	LT.	MANHOLE TOP, PIPE	1	11							1							
F																				
P	S-6	49+20.00	LT.	INLET, PIPE	1	26				1										
F																				
P	S-7	49+20.00	MED.	MANHOLE, PIPE	1	110							1				3.5' X 3.5'			
F																				
P	S-8	49+20.00	RT.	INLET, PIPE	1	19				1										
F																				
P	S-9	28+99.93 (LAKE)	LT.	INLET, PIPE	1	92				1										
F																				
P	S-10	29+00.11 (LAKE)	RT.	INLET, PIPE	1	44				1										
F																				
P	S-11	50+34.00	LT.	MANHOLE											1		6' X 4', CONNECT BOTTOM TO EXIST. CONC. SHAFT			
F																				
P	S-12	31+00.00 (LAKE)	LT.	INLET, PIPE	1	100				1										
F																				
P	S-13	31+00.00 (LAKE)	RT.	INLET, PIPE	1	45				1										
F																				
P	S-14	50+80.00	LT.	INLET, PIPE	1	23					1									
F																				
P	S-15	50+80.00	MED.	MANHOLE, PIPE	1	42								1			4' X 4'			
F																				
P	S-16	50+75.11	RT.	INLET, PIPE	1	30					1						CONFLICT STRUCTURE W/ SUMP (CAST IN PLACE)			
F																				
P	S-17	52+80.43	LT.	PIPE, MANHOLE	1		4						1				3.5' X 3.5', CONNECT BOTTOM TO EXIST. CONC. SHAFT, CONC. JACKET			
F																				
P	S-18	52+94.88	LT.	PIPE, INLET, PIPE	1		8			1							CONC. JACKETS			
F																				
P	S-19	53+06.48	LT.	MANHOLE TOP										1						
F																				
P	S-20	53+23.88	RT.	INLET, PIPE	1	58						1					5.5' X 3.96', MODIFIED			
F																				
P	S-21	88+10.00	LT.	INLET, PIPE	1	11				1										
F																				
P	S-22	88+10.00	LT.	PIPE, MANHOLE, PIPE	1				8						1		4' X 4', CONC. JACKETS			
F																				
P	S-22A	88+10.00	RT.	MANHOLE, PIPE	1	6							1				3.5' X 3.5', CONFLICT STRUCTURE			
F																				
P	S-23	88+10.00	RT.	INLET, PIPE	1	8				1										
F																				
P	S-24	30+91.45 (OSBORNE)	LT.	INLET, PIPE	1	12				1										
F																				
P	S-25	30+91.41 (OSBORNE)	LT.	PIPE, MANHOLE, PIPE	1			8						1			8' X 3.5', CONC. JACKETS			
F																				
P	S-26	30+91.34 (OSBORNE)	RT.	INLET, PIPE	1	22				1										
F																				
P	S-27	90+96.54	LT.	INLET, PIPE	1	13				1										
F																				
P	S-28	90+96.57	LT.	PIPE, MANHOLE, PIPE	1	8							1				3.5' X 3.5', CONC. JACKETS			
F																				
P	S-29	90+96.61	RT.	INLET, PIPE	1	25				1										
F																				
P																				
F																				
P																				
F																				
P																				
F																				
GRAND TOTALS -						PLAN QUANTITY	737	12	8	8	13	4	2	5	2	3	1			
						FINAL QUANTITY														
REVISIONS								EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF DRAINAGE STRUCTURES		SHEET NO.			
DATE	DESCRIPTION			DATE	DESCRIPTION							ROAD NO.	COUNTY	FINANCIAL PROJECT ID						
												34TH ST	HILLSBOROUGH	437648-1-58-01			12			

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



CURVE AND COORDINATE DATA TABLE

CURVE /PI NO	ALIGNMENT	PC			PI			PT			Δ	D	T	L	R	BACK BEARING	AHEAD BEARING	e	DESIGN SPEED
		STATION	NORTHING	EASTING	STATION	NORTHING	EASTING	STATION	NORTHING	EASTING									
CL8	℄ SURVEY (SL34)				9+00.00	1,320,753.1206	519,834.9950										N 0° 02' 54" E		
SL2					36+72.16	1,323,525.2804	519,837.3289									N 0° 02' 54" E	N 0° 00' 04" E		
SL3					63+48.99	1,326,202.1094	519,837.3755									N 0° 00' 04" E	N 0° 05' 40" E		
CL6					100+10.94	1,329,864.0588	519,843.4121									N 0° 05' 40" E	N 0° 21' 07" E		
CL7					116+61.68	1,331,514.7617	519,853.5518									N 0° 21' 07" E			

ROADWAY PLAN SHEETS

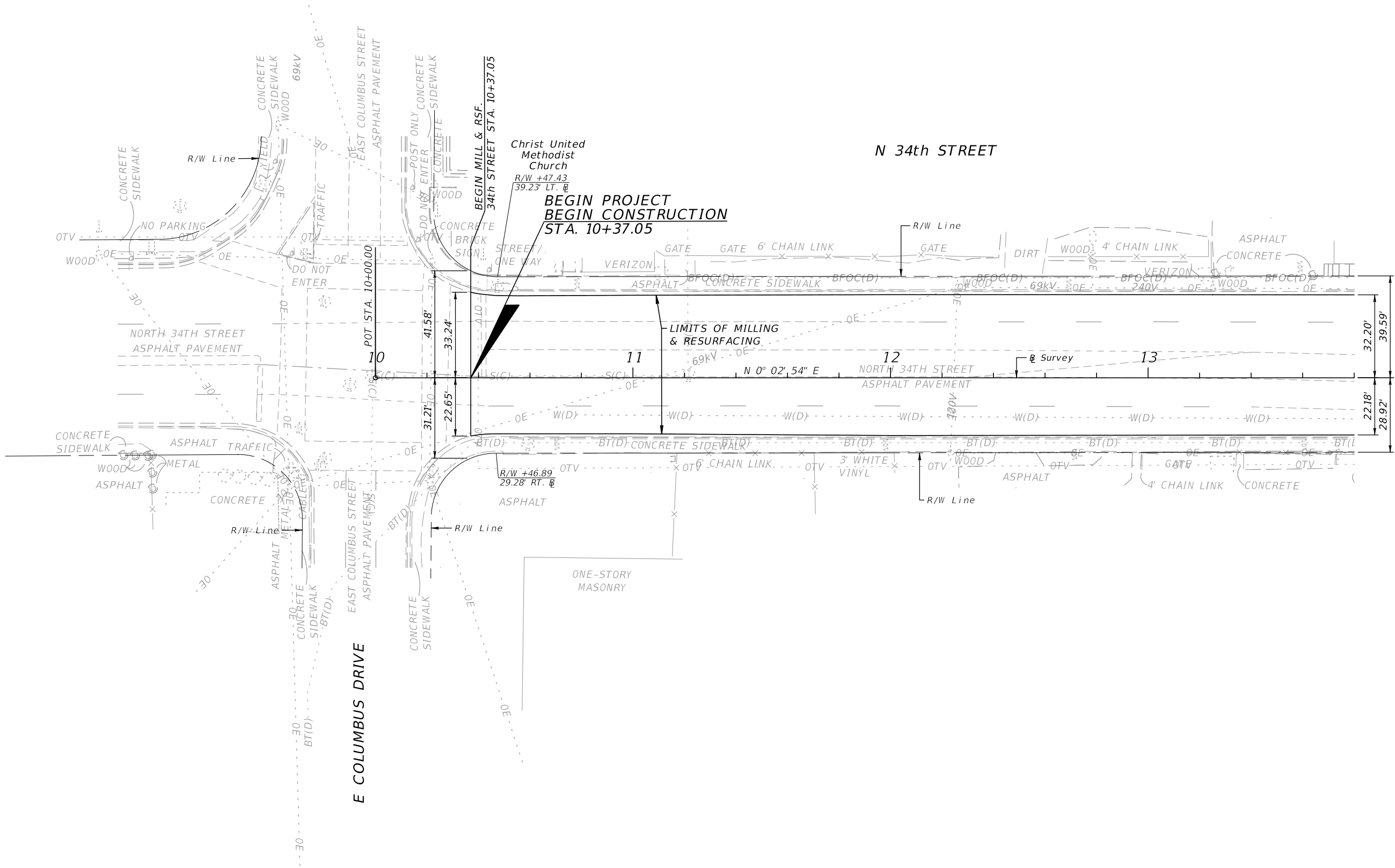
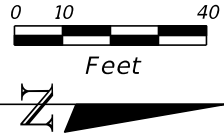
REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			PROJECT LAYOUT	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		13

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GENERAL NOTES

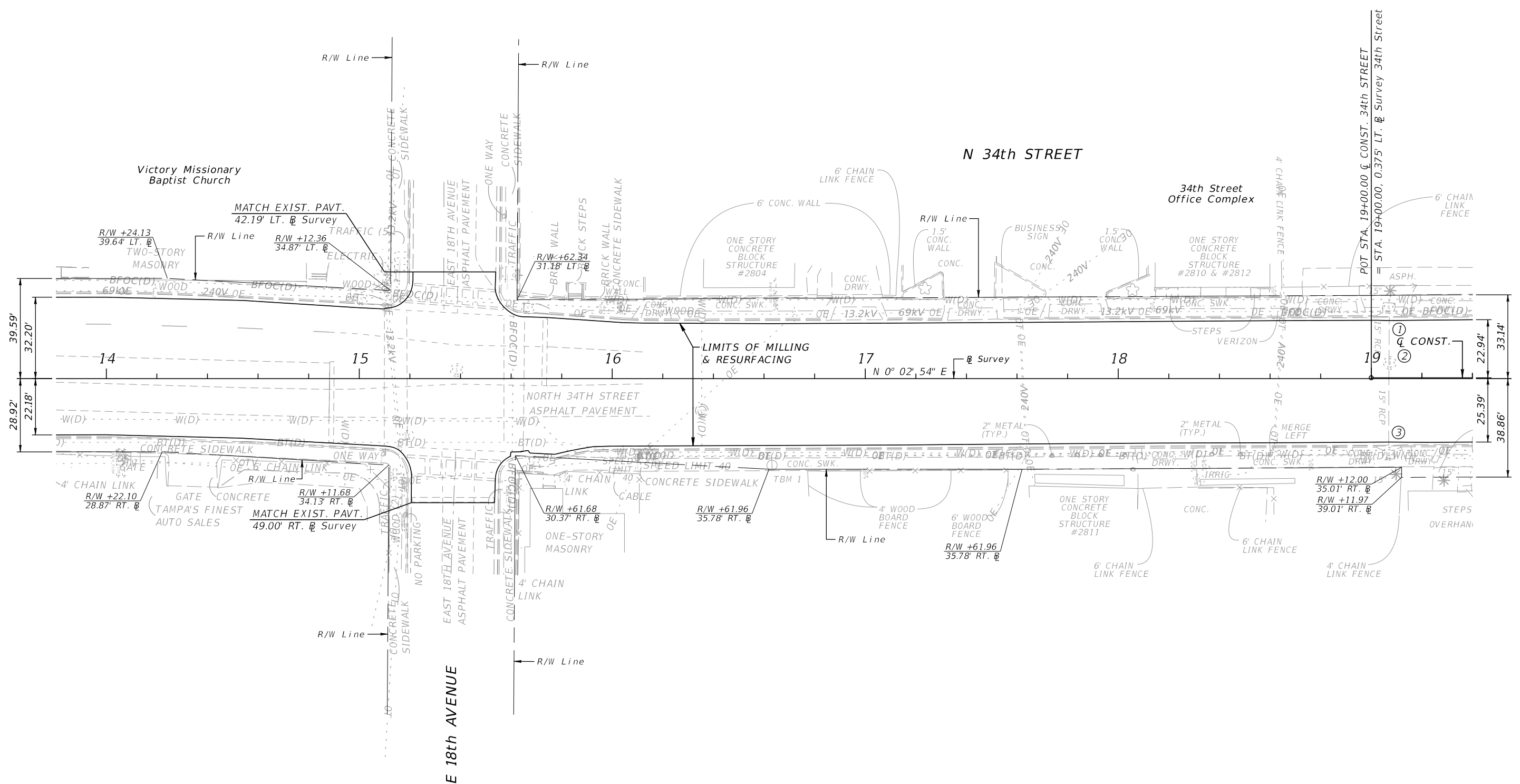
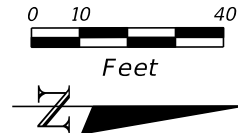
1. THE PURPOSE OF THIS PROJECT IS TO IMPROVE THE SAFETY AND FUNCTION OF 34TH STREET. ROUNDABOUTS WILL BE INSTALLED AT 21ST AVENUE, LAKE AVENUE AND OSBORNE AVENUE. MILLING AND RESURFACING OF OTHER AREAS OF THE ROADWAY WILL BE PERFORMED TO PROVIDE FOR RECONFIGURATION OF THE LANEAGE. THE STORM DRAIN SYSTEM WILL BE ADJUSTED. RAISED MEDIAN, DRIVEWAYS, SIDEWALKS AND PEDESTRIAN RAMPS WILL BE CONSTRUCTED. THE SIGNALIZATION EQUIPMENT AT LAKE AND OSBORNE AVENUES WILL BE REMOVED. SIGNING AND PAVEMENT MARKING PLANS ARE ALSO INCLUDED. EXISTING PROPERTY LINES SHOWN ARE FROM THE PROPERTY APPRAISERS WEBSITE AND ARE APPROXIMATE.
2. BENCHMARK ELEVATIONS SHOWN ON THE PLANS DEPICT THE NATIONAL GEODETIC VERTICAL DATUM OF 1988 (NGVD 88). THE HORIZONTAL DATUM IS NAD 83/2011.
3. NOTIFY THE CITY SURVEYOR OF ANY REPLACED PUBLIC LAND CORNERS.
4. THE RIGHT OF WAY SHOWN IS BASED ON THE LAST DEED OF RECORD AS OF SEPTEMBER 17, 2014.
5. STATION AND OFFSET CALL-OUTS FOR RIGHT OF WAY CORNERS ARE FROM THE BASELINE OF SURVEY (N 34th STREET). ALL OTHER STATION AND OFFSET CALL-OUTS ARE FROM THE APPROPRIATE CENTERLINE.
6. ALL CURB RADII, P.I., P.C., AND P.T. REFER TO THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
7. CITY OF TAMPA STANDARD DRAWINGS ARE AVAILABLE AT THE CITY MUNICIPAL OFFICE BUILDING, 306 E. JACKSON STREET, 5TH FLOOR, NORTH WING.
8. PER FDOT SPECIFICATION 8-6.4, SUSPENSION OF CONTRACTOR'S OPERATIONS-HOLIDAYS AND SPECIAL EVENTS, SPECIAL EVENT DAYS FOR THIS PROJECT INCLUDE: NONE.
9. CONTACT THE PROPERTY OWNER 96 HOURS PRIOR TO CLEARING AND GRUBBING EXISTING SPRINKLER SYSTEMS, SIGNS, LANDSCAPING OR OTHER ENCROACHMENTS TO BE REMOVED WITHIN THE PROJECT LIMITS.
10. IF BRICKS ARE ENCOUNTERED ON THE PROJECT, STOCKPILE THEM AND RETURN THEM TO THE CITY OF TAMPA, THE COST IS TO BE INCLUDED IN STANDARD CLEARING AND GRUBBING.
11. REPLACE EXISTING DRIVEWAYS, WHEREVER AFFECTED BY CONSTRUCTION, FROM THE EDGE OF PAVEMENT TO THE RIGHT OF WAY LINE.
12. VERIFY THE LOCATION AND SIZE OF ALL EXISTING DRAINAGE STRUCTURES TO BE MODIFIED AND THE FLOW LINE OF ALL EXISTING PIPES PRIOR TO ANY CONSTRUCTION ACTIVITIES. FIELD VERIFY THE LIMITS OF INLET TOP REPAIRS, WITH CONCURRENCE FROM THE ENGINEER, PRIOR TO BEGINNING REMOVAL AND REPLACEMENT. LIMITS MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER.
13. USE CLASS III REINFORCED CONCRETE PIPE, CONSTRUCTED WITHOUT LIFT-HOLES, FOR ALL PROPOSED DRAINAGE PIPES, UNLESS NOTED OTHERWISE IN THE PLANS.
14. USE THE CITY OF TAMPA FISH (FRESHWATER BASS) LID ON ALL STORMWATER INLET STRUCTURES. USE THE CITY OF TAMPA (MASCOTTE) LID ON ALL STORMWATER MANHOLES.
15. IF CONCRETE COLLARS ARE ENCOUNTERED AT THE MANHOLE, VALVE OR METER BOX ADJUSTMENT LOCATIONS THE COLLAR IS TO BE REMOVED. THE RESULTING VOID IS TO BE FILLED WITH SP ASPHALTIC CONCRETE AND TAMPED AND PLATE COMPACTED PRIOR TO THE SP PAVEMENT COURSE PLACEMENT. THE COST IS TO BE INCLUDED IN THE UTILITY ADJUSTMENT.
16. TREE TRIMMING IS TO BE PERFORMED BY A LICENSED CERTIFIED ARBORIST.
17. ALL ROOTS TO BE REMOVED DURING THE SITE CLEARING PROCESS ARE TO BE SEVERED CLEAN AT THE PERIMETER OF THE PROTECTED ROOT ZONE BY A LICENSED CERTIFIED ARBORIST.
18. USE BAHIA SOD TO REPAIR AREAS DISTURBED BY CONSTRUCTION.
19. BASED ON THE RESULTS OF THE LEVEL II CONTAMINATION REPORT PREPARED BY TIERRA, INC., DATED SEPTEMBER 5, 2017, SOIL CONTAMINATION HAS BEEN CONFIRMED AT 3401 E. LAKE AVENUE. BENZENE WAS DETECTED WITHIN THE SOIL SAMPLE COLLECTED AT 18 FEET BELOW GRADE. CONSTRUCTION IS NOT PROPOSED TO EXTEND TO THIS DEPTH BUT PROPER PRECAUTION SHALL BE USED WHEN WORKING IN THE VICINITY. IF GROUNDWATER OR GROUNDWATER IMPACTED SOIL WILL BE ENCOUNTERED DURING CONSTRUCTION THEN GROUNDWATER RECOVERY AND TREATMENT PRIOR TO DISCHARGE AND SOIL SCREENING WILL BE REQUIRED AND CONSIDERED

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		
									14



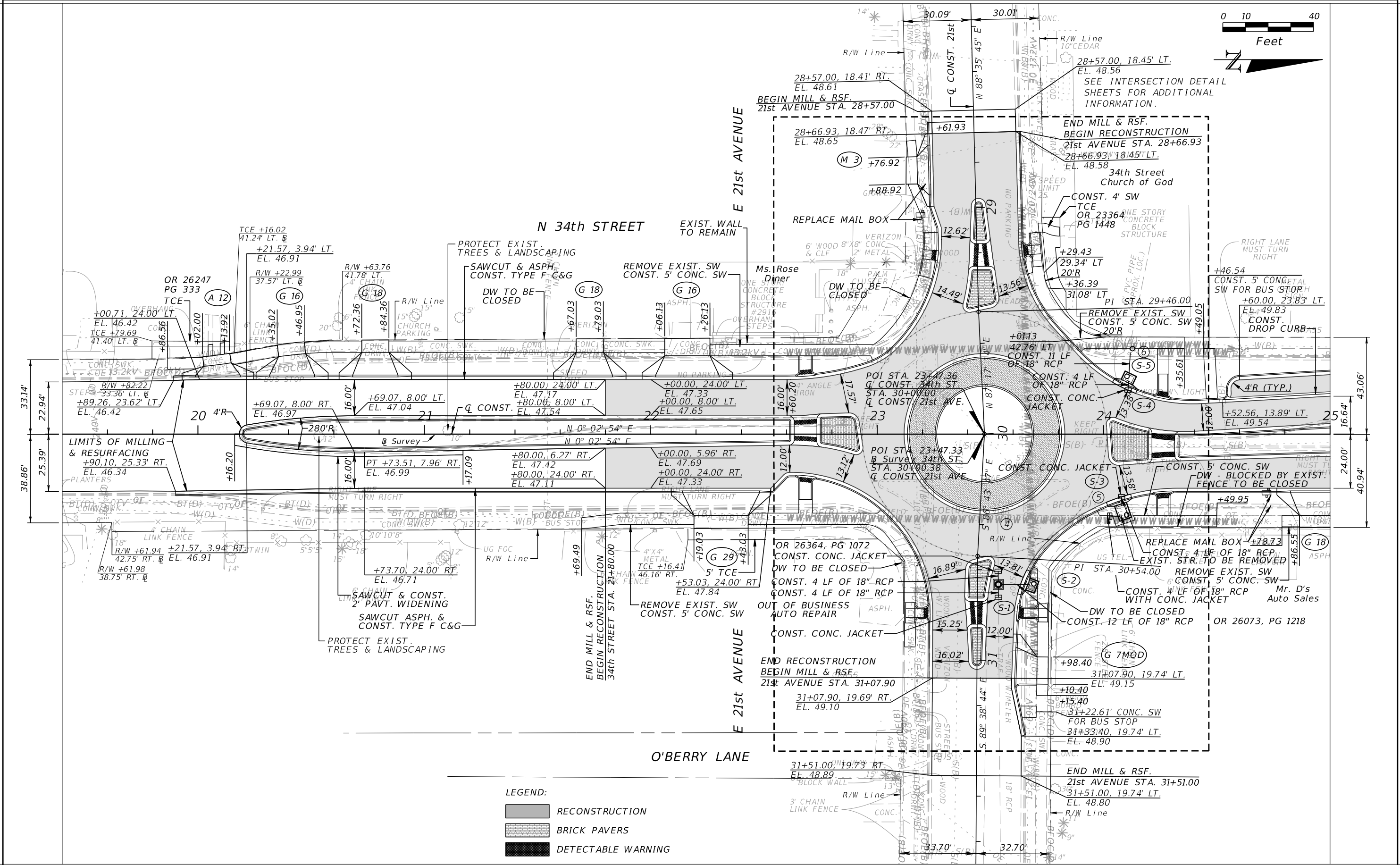
REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			ROADWAY PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		16

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



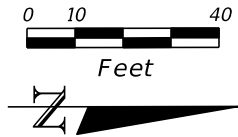
REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			ROADWAY PLAN	SHEET NO. 17
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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

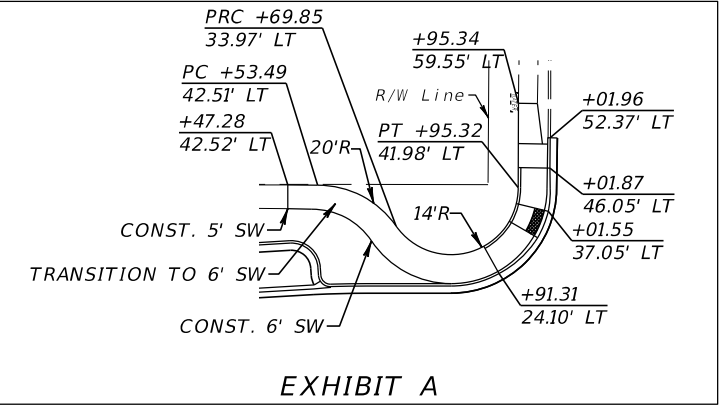
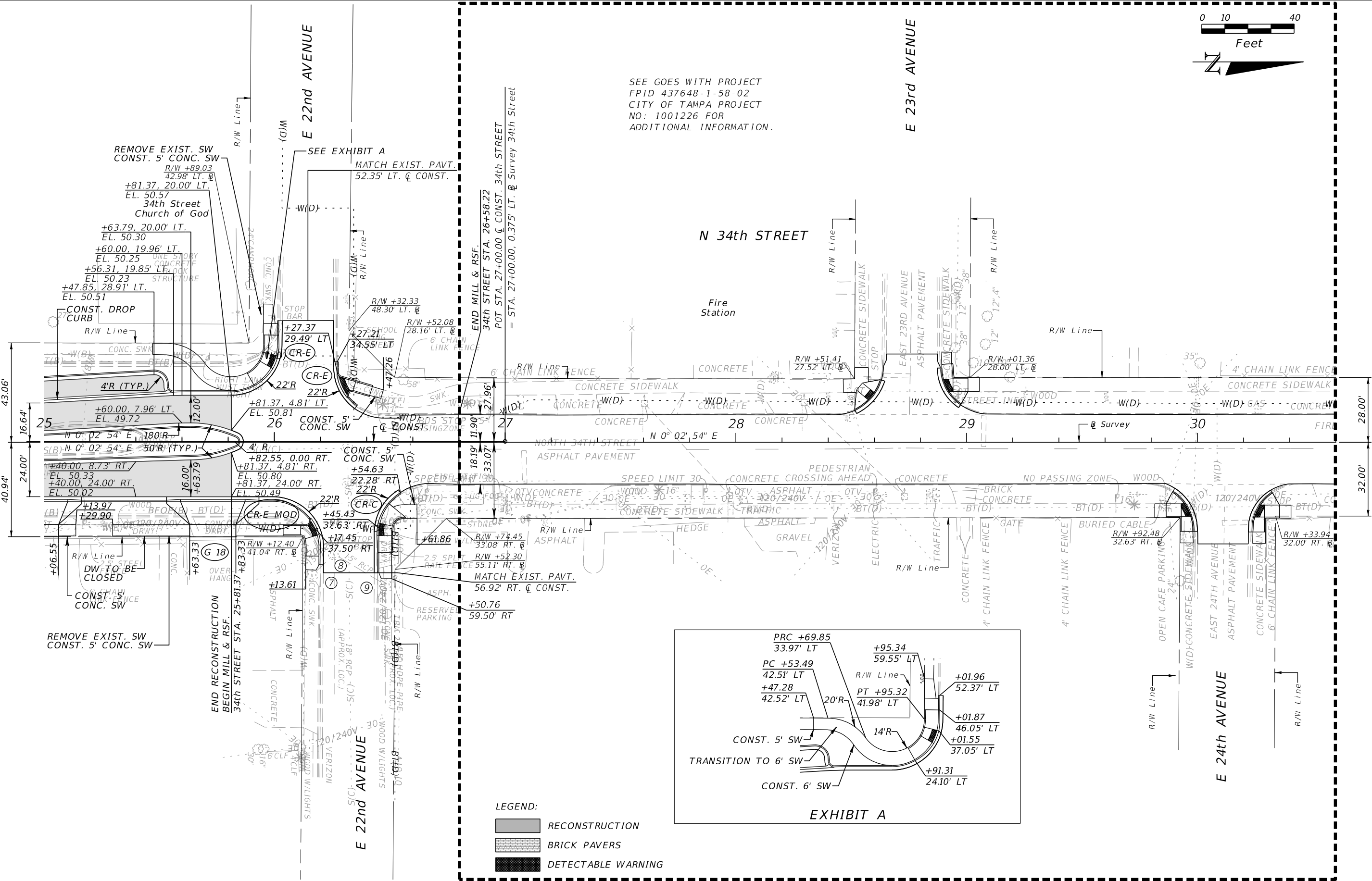


REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			ROADWAY PLAN	SHEET NO. 18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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



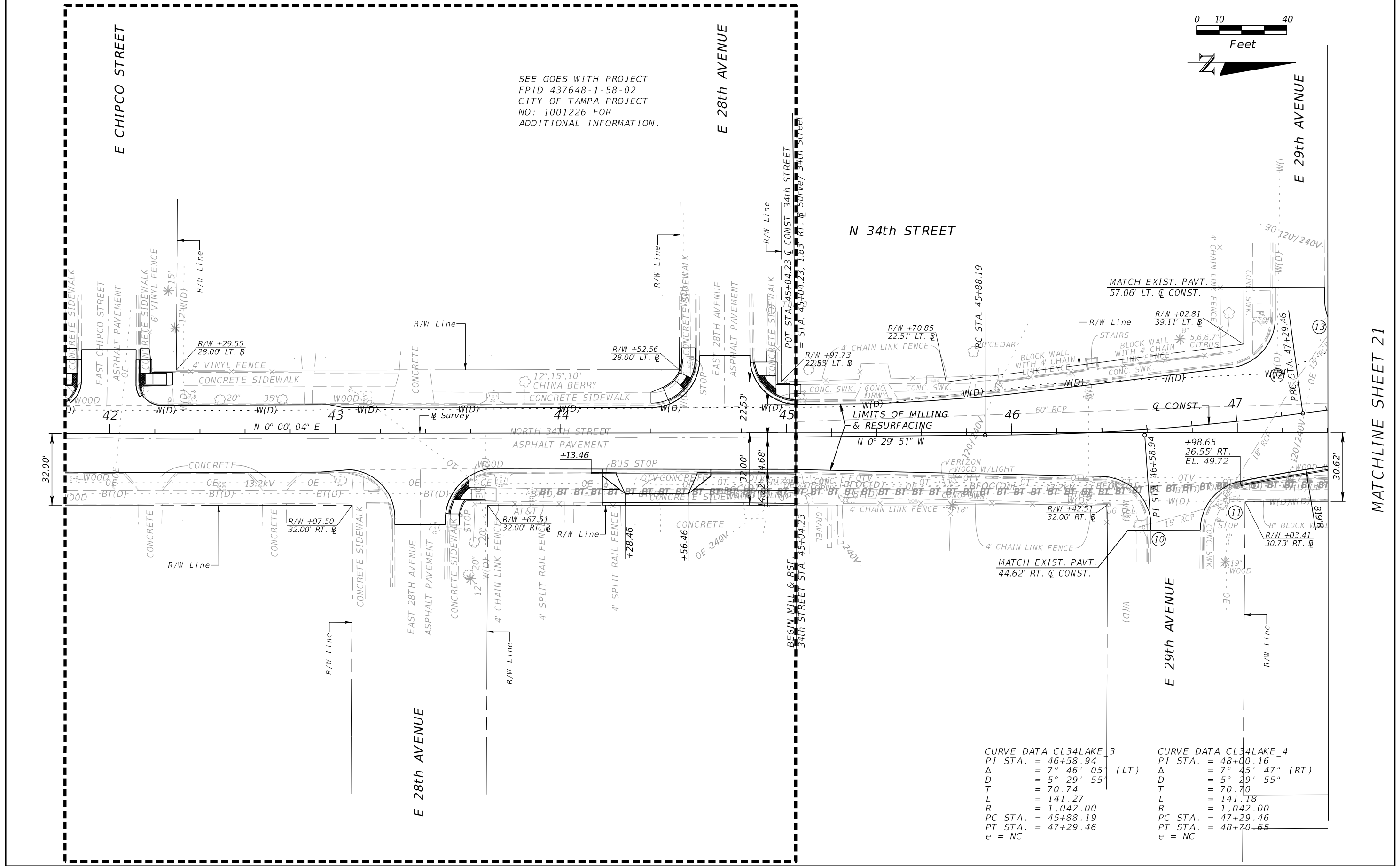
SEE GOES WITH PROJECT
FPID 437648-1-58-02
CITY OF TAMPA PROJECT
NO: 1001226 FOR
ADDITIONAL INFORMATION.



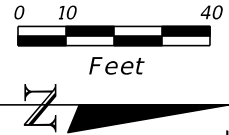
- LEGEND:
- RECONSTRUCTION
 - BRICK PAVERS
 - DETECTABLE WARNING

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			ROADWAY PLAN	SHEET NO. 19
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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



SEE GOES WITH PROJECT
FPID 437648-1-58-02
CITY OF TAMPA PROJECT
NO: 1001226 FOR
ADDITIONAL INFORMATION.



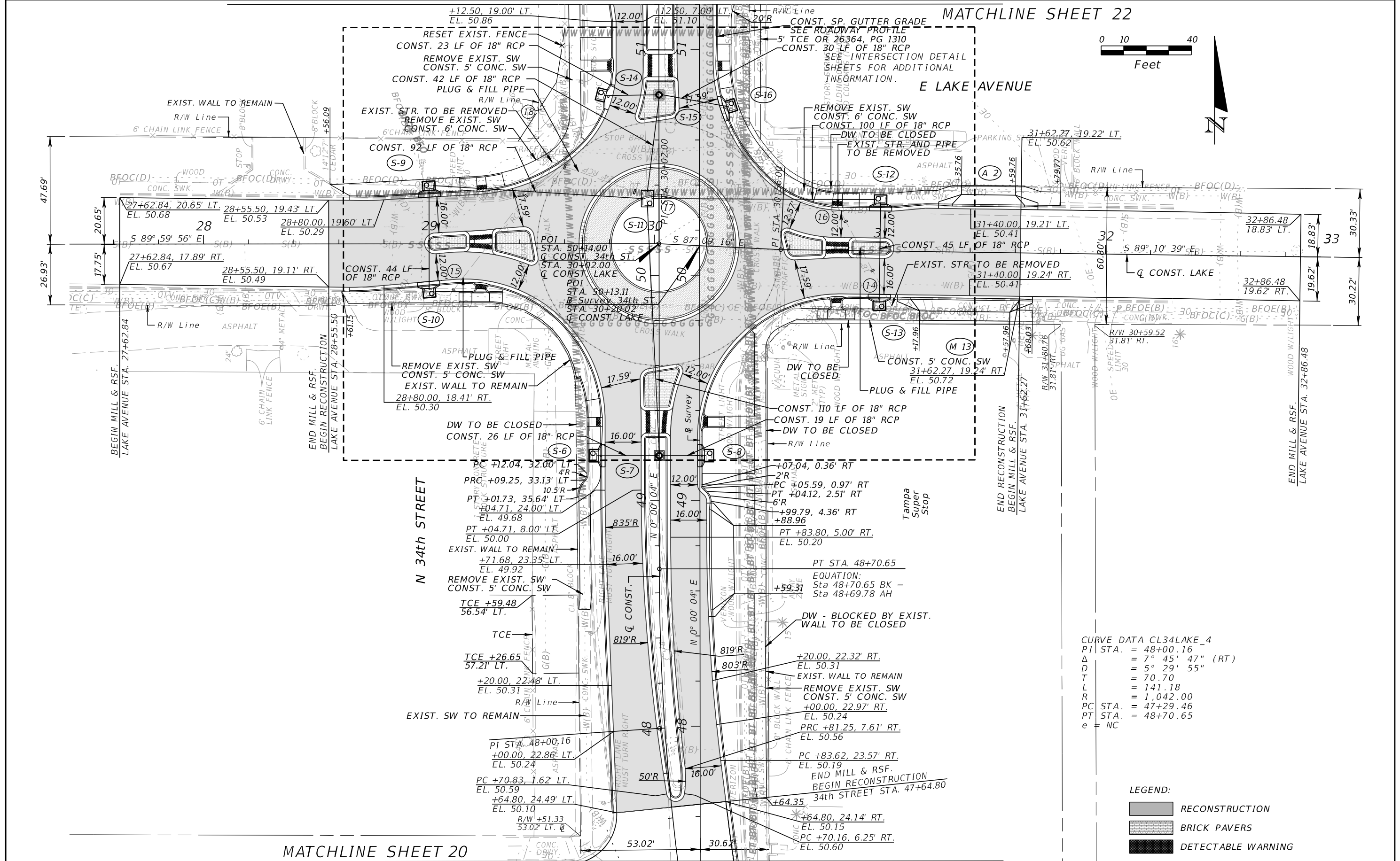
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R = 1,042.00
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PT STA. = 47+29.46
e = NC

CURVE DATA CL34LAKE_4
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PT STA. = 48+70.65
e = NC

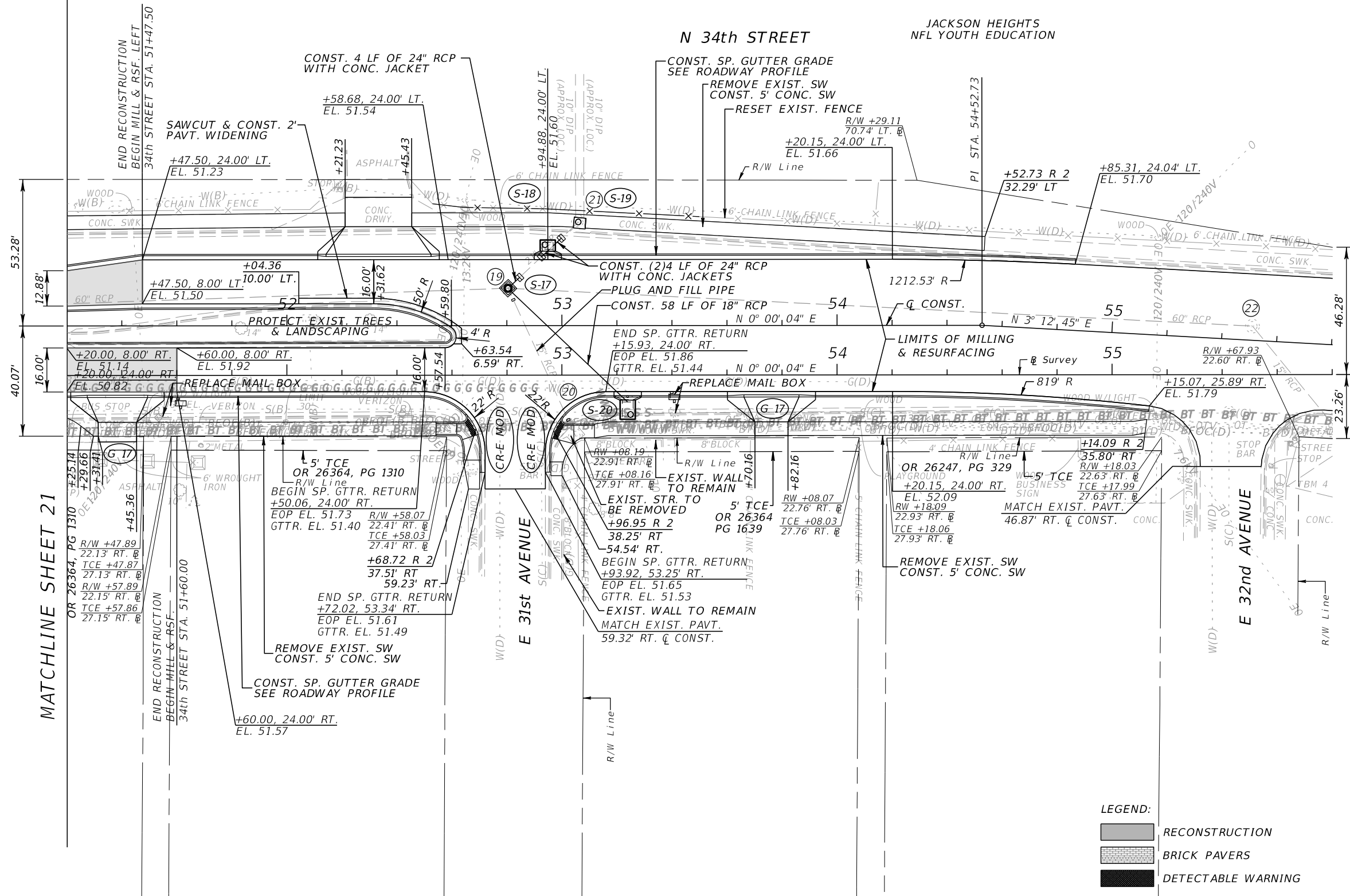
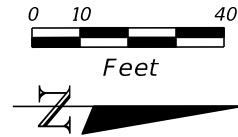
REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			ROADWAY PLAN	SHEET NO. 20
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

MATCHLINE SHEET 21

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



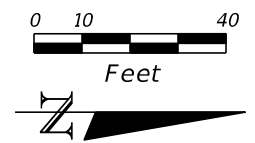
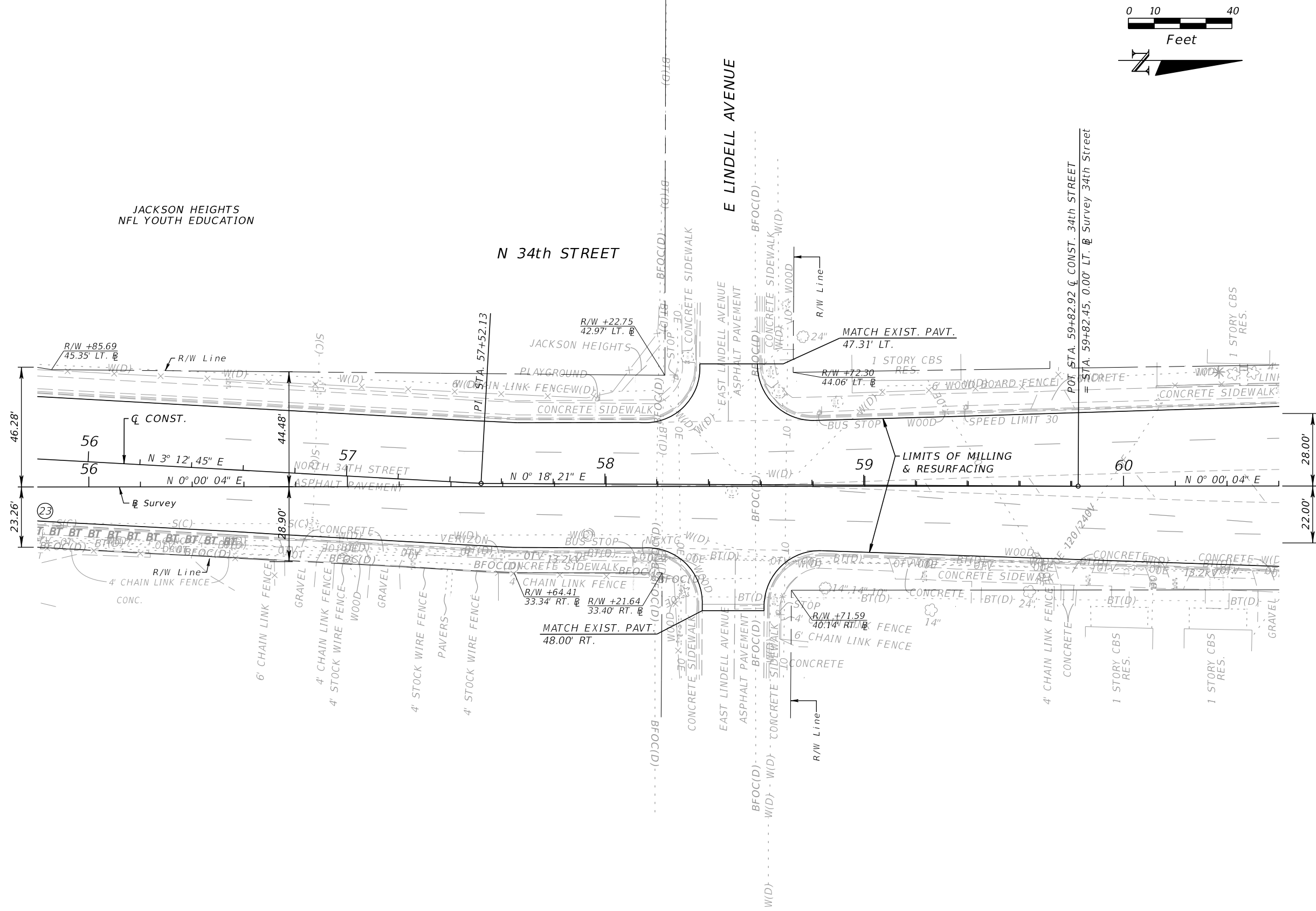
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



- LEGEND:
- RECONSTRUCTION
 - BRICK PAVERS
 - DETECTABLE WARNING

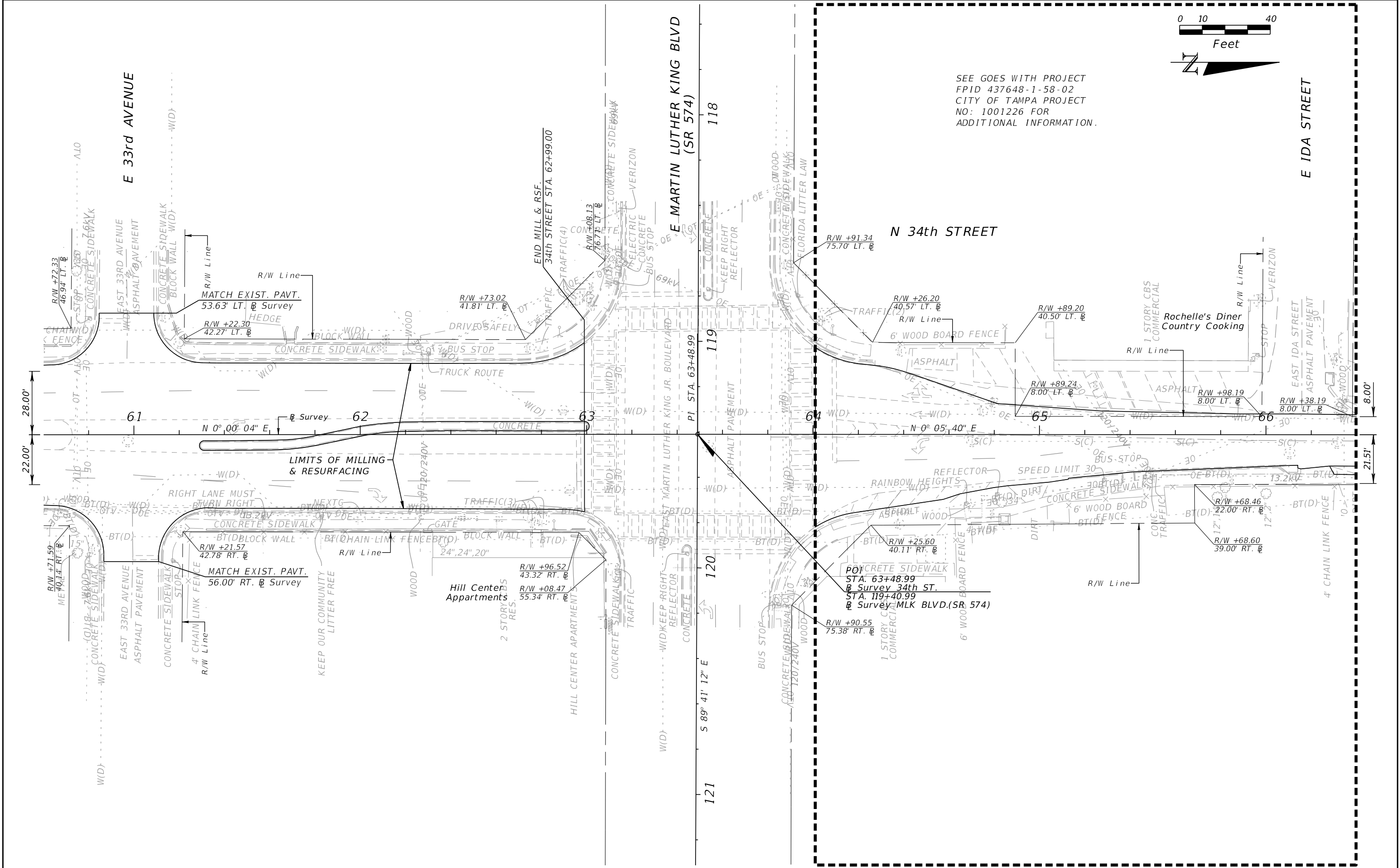
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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

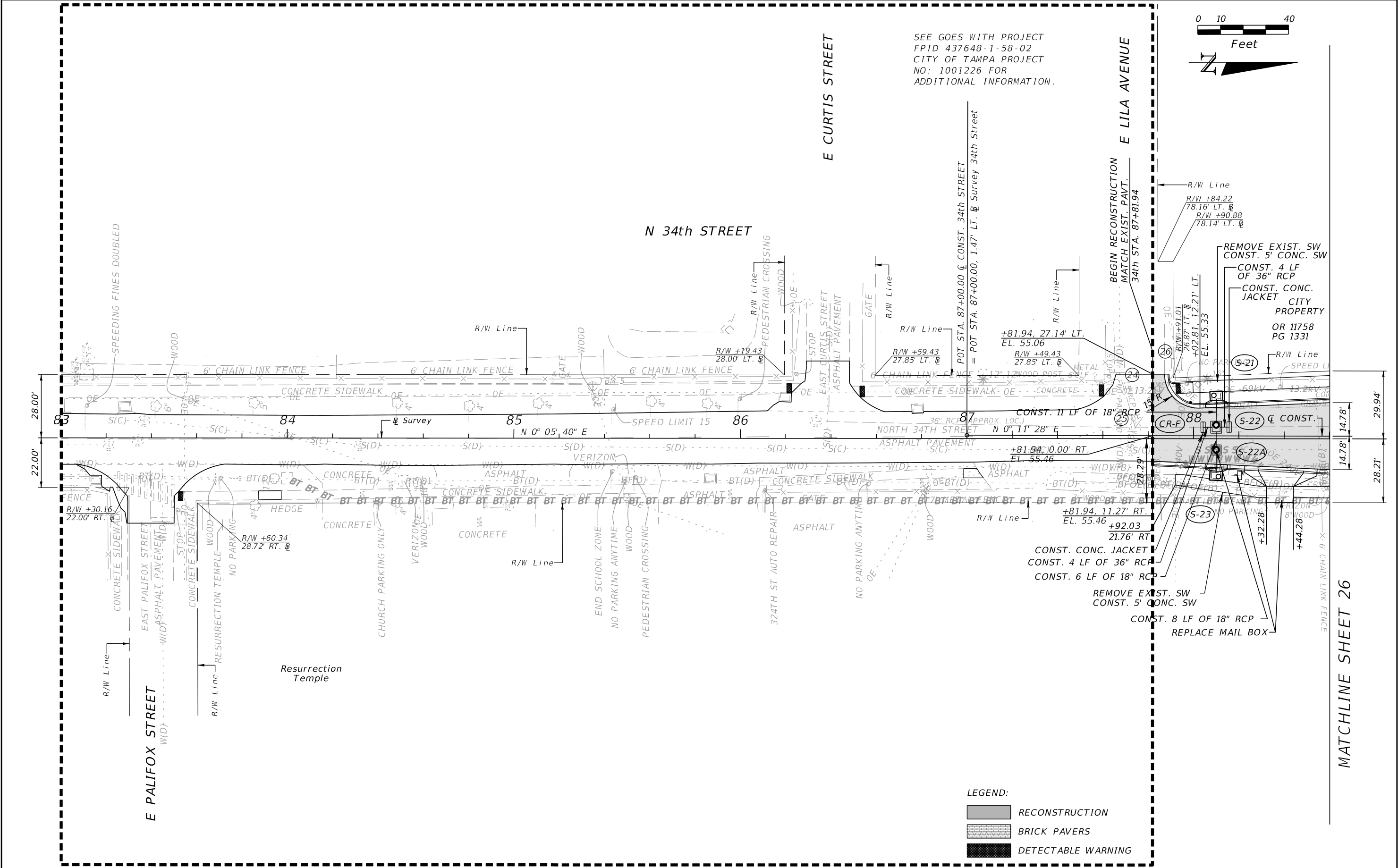


REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			ROADWAY PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		23

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



REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			ROADWAY PLAN	SHEET NO. 24
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		



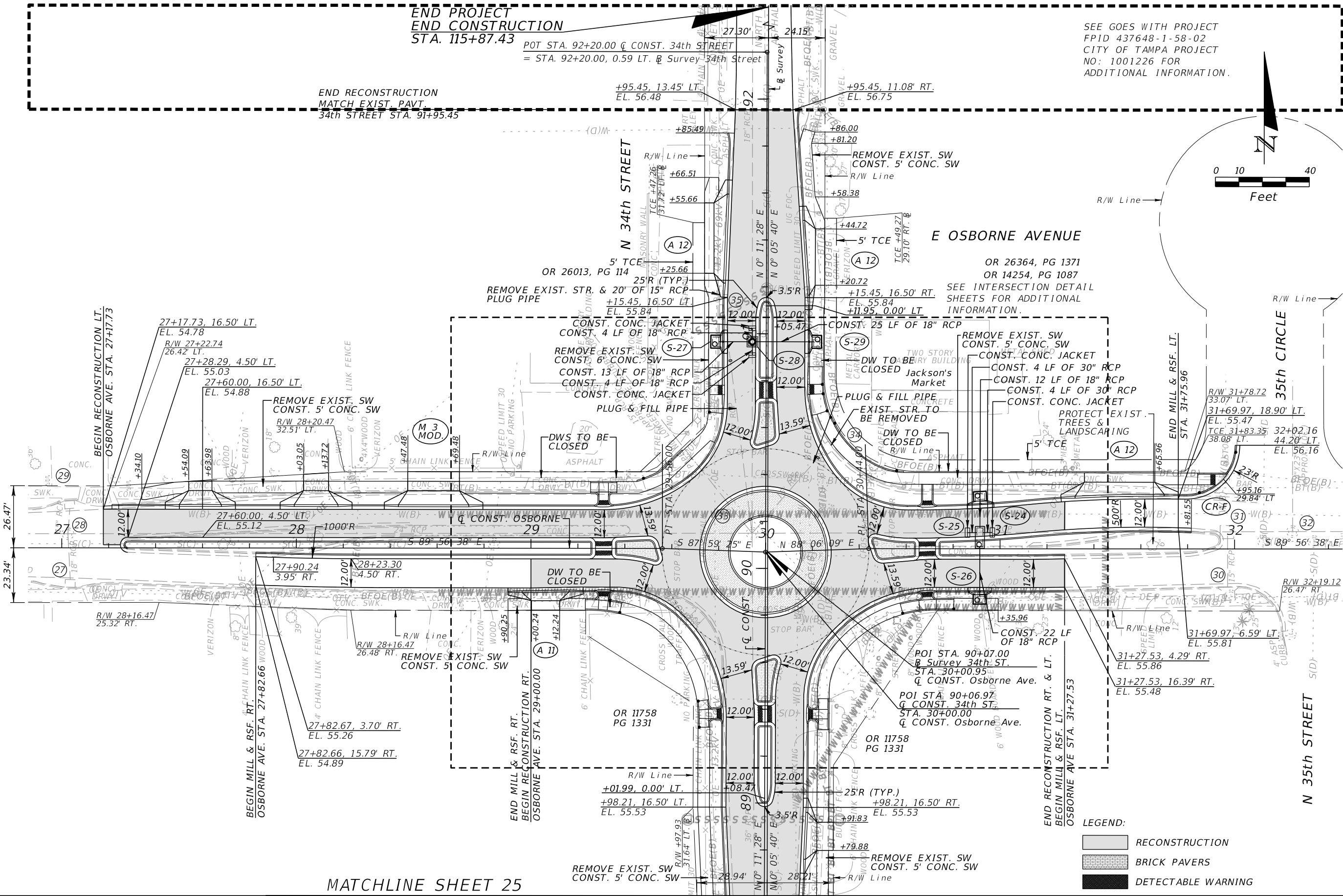
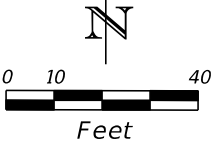
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

END PROJECT
END CONSTRUCTION
STA. 115+87.43

POT STA. 92+20.00 Q CONST. 34th STREET
= STA. 92+20.00, 0.59 LT. @ Survey 34th Street

SEE GOES WITH PROJECT
FPID 437648-1-58-02
CITY OF TAMPA PROJECT
NO: 1001226 FOR
ADDITIONAL INFORMATION.

END RECONSTRUCTION
MATCH EXIST. PAVT.
34th STREET STA. 91+95.45



MATCHLINE SHEET 25

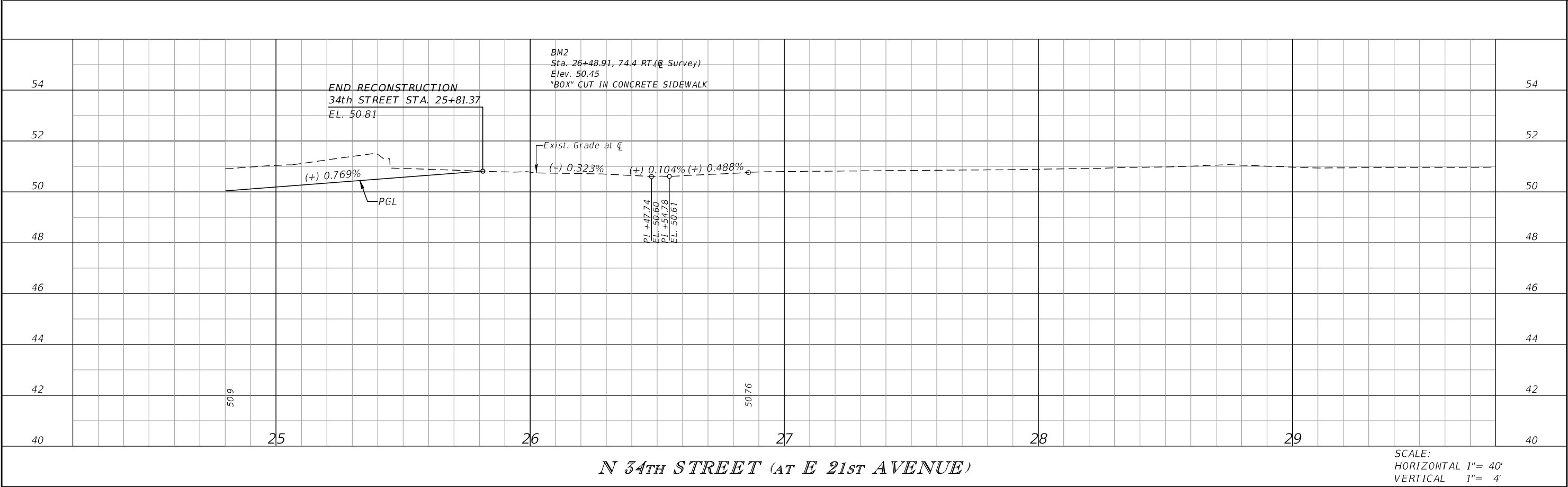
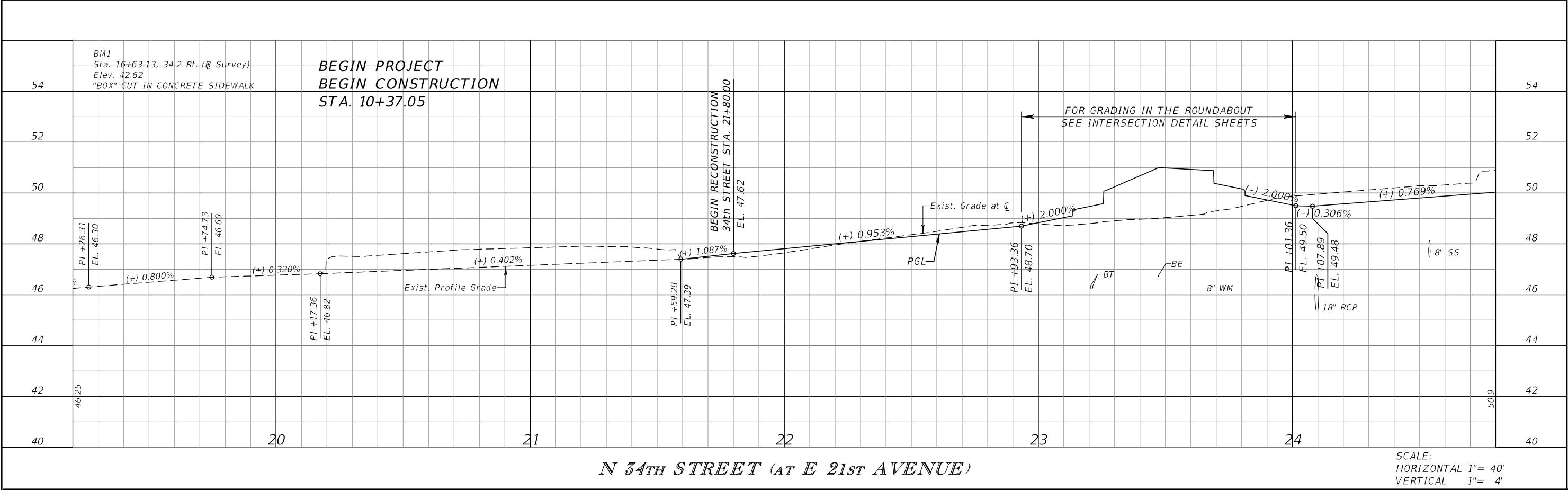
- LEGEND:
- RECONSTRUCTION
 - BRICK PAVERS
 - DETECTABLE WARNING

REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER	ROADWAY PLAN	SHEET NO. 26
DATE	DESCRIPTION	DATE	DESCRIPTION			
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID
				34TH ST	HILLSBOROUGH	437648-1-58-01

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

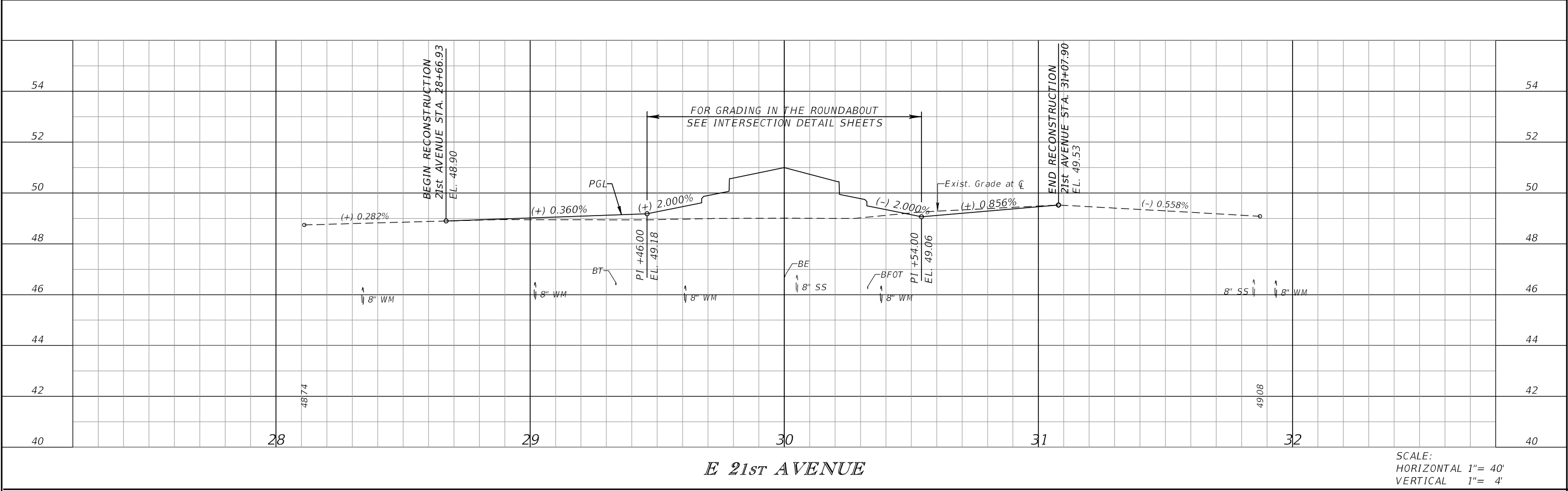
4/25/2019
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			ROADWAY PROFILE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		27

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



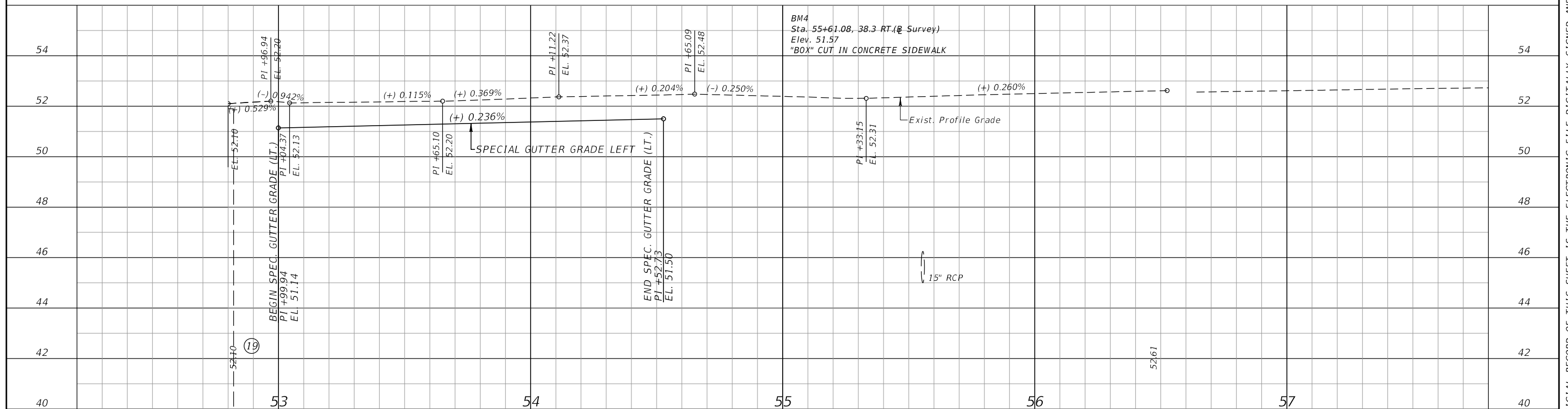
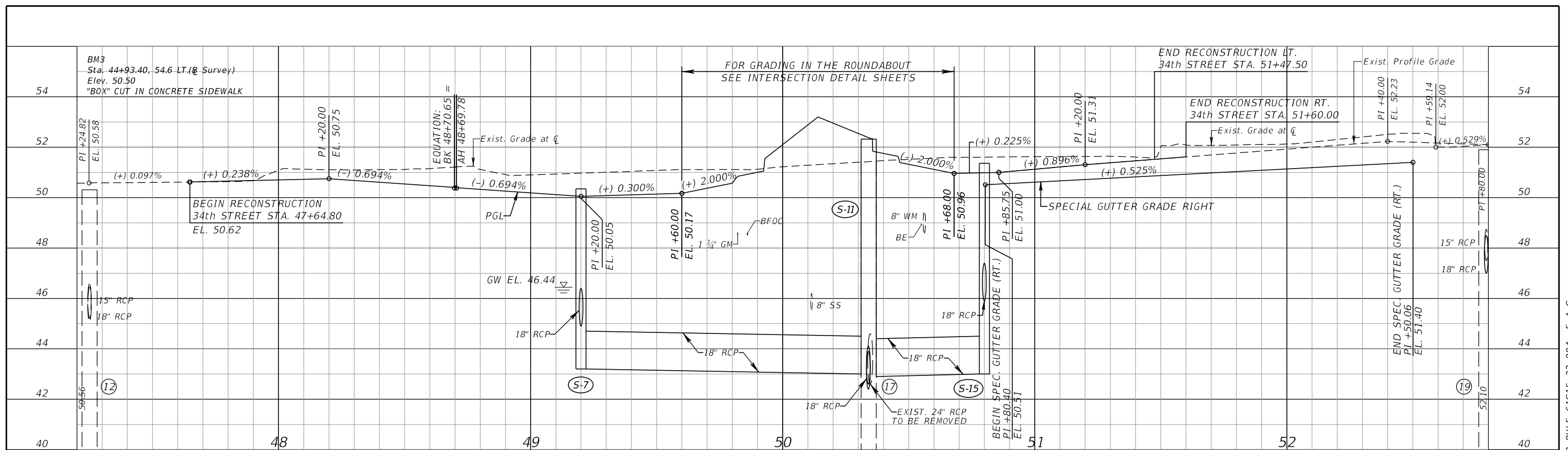
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VERTICAL 1"= 4'



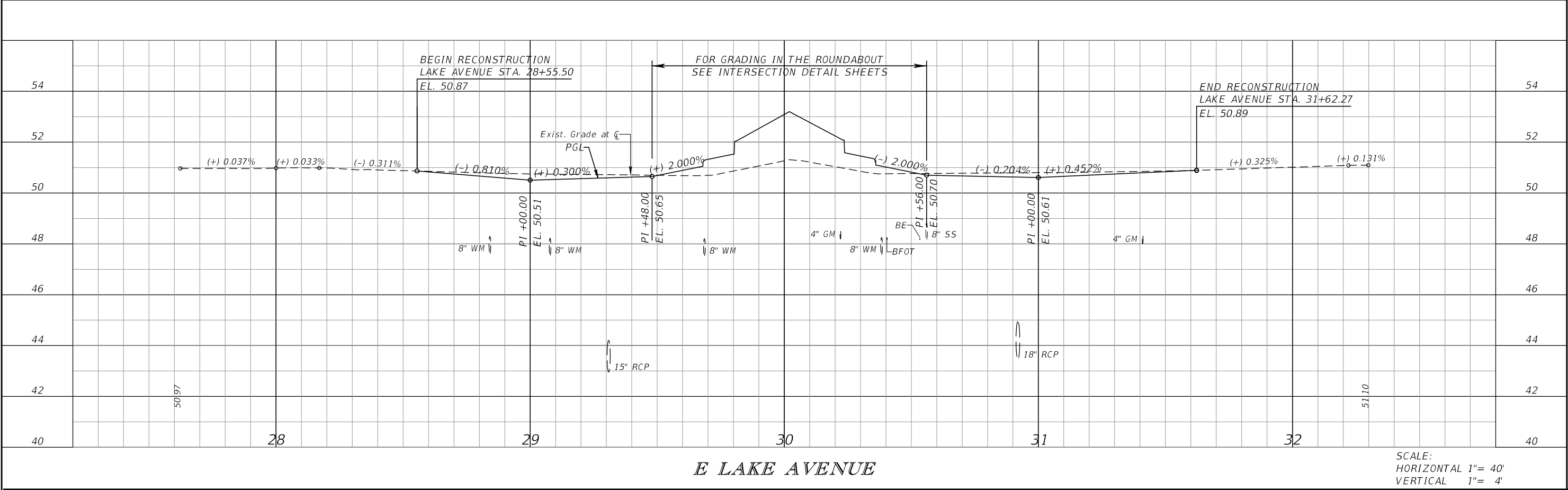
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HORIZONTAL 1"= 40'
VERTICAL 1"= 4'

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			ROADWAY PROFILE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		28

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

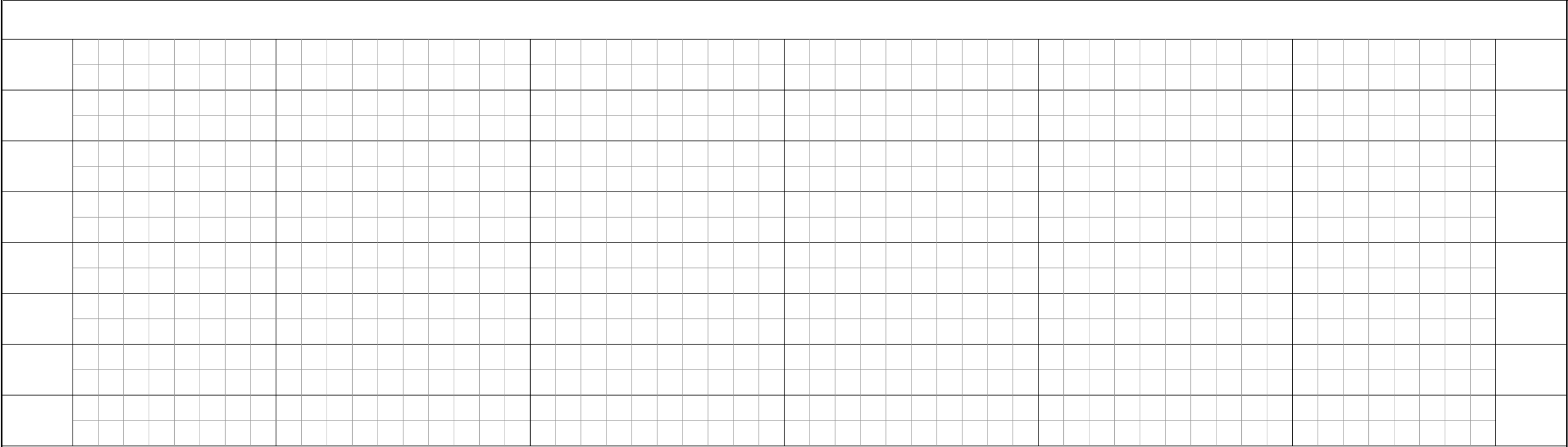


REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			<i>ROADWAY PROFILE</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		
									29



E LAKE AVENUE

SCALE:
HORIZONTAL 1"= 40'
VERTICAL 1"= 4'



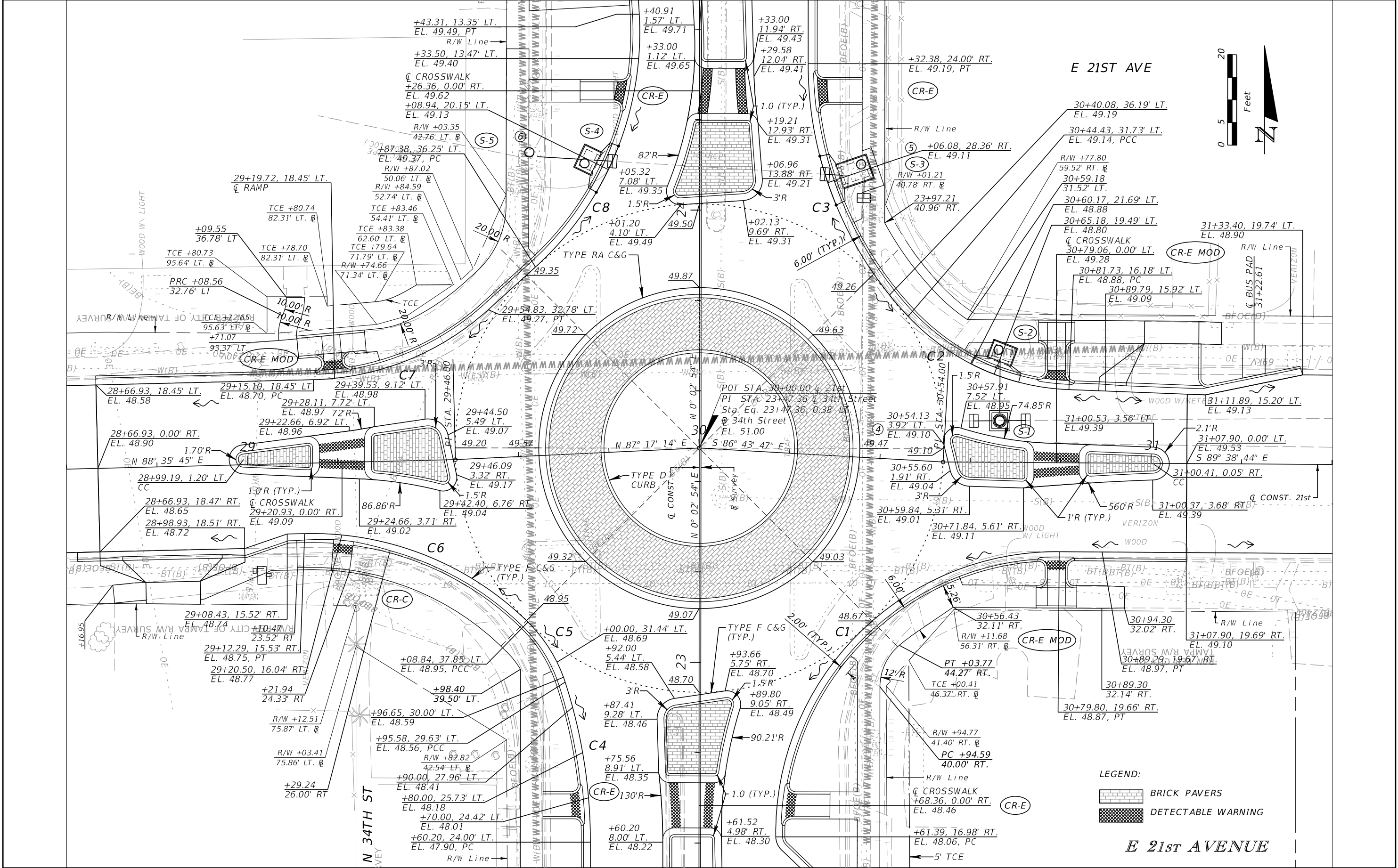
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REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			ROADWAY PROFILE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		30

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

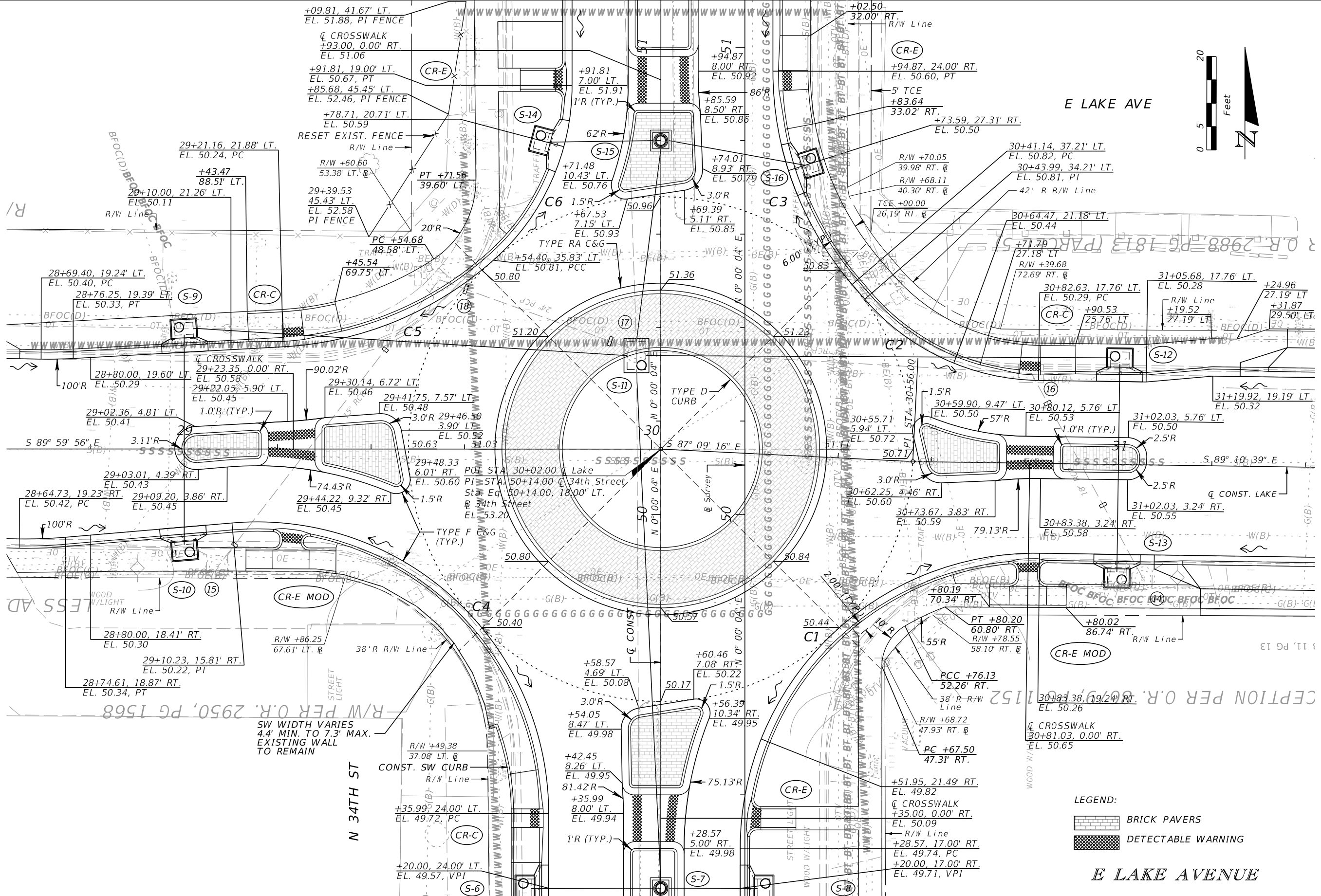
CURB RETURN CURVE AND COORDINATE DATA TABLE																			
CURVE /PI NO	ALIGNMENT	PC			PI			PT			Δ	D	T	L	R	BACK BEARING	AHEAD BEARING	e	DESIGN SPEED
		STATION	NORTHING	EASTING	STATION	NORTHING	EASTING	STATION	NORTHING	EASTING									
34th STREET AT 21st AVENUE																			
CSE11		0+00.00	1,322,114.4951	519,852.7494	0+63.55	1,322,178.0363	519,851.8825	0+99.06	1,322,177.5792	519,915.4280	91° 11' 38" RT	92° 03' 40"	63.55'	99.06'	62.24'	N 0° 46' 54" W	S 89° 35' 16" E	0.000	
CNE11		0+00.00	1,322,213.4052	519,917.5822	0+21.13	1,322,214.2230	519,896.4711	0+40.10	1,322,229.6208	519,882.0053	44° 34' 09" RT	111° 08' 26"	21.13'	40.10'	51.55'	N 87° 46' 53" W	N 43° 12' 45" W	0.000	
CNE12		0+00.00	1,322,229.6208	519,882.0053	0+32.31	1,322,253.1686	519,859.8828	0+61.52	1,322,285.4781	519,859.9100	43° 15' 38" RT	70° 19' 12"	32.31'	61.52'	81.48'	N 43° 12' 45" W	N 0° 02' 54" E	0.000	
CSW11		0+00.00	1,322,113.3367	519,811.7651	0+18.14	1,322,131.4775	519,811.7803	0+35.98	1,322,148.7270	519,806.1640	18° 05' 00" LT	50° 15' 34"	18.14'	35.98'	114.00'	N 0° 02' 54" E	N 18° 02' 06" W	0.000	
CSW12		0+00.00	1,322,148.7270	519,806.1640	0+08.03	1,322,156.3610	519,803.6784	0+15.75	1,322,161.9930	519,797.9568	27° 25' 00" LT	174° 04' 53"	8.03'	15.75'	32.91'	N 18° 02' 06" W	N 45° 27' 06" W	0.000	
CSW13		0+00.00	1,322,161.9930	519,797.9568	0+28.84	1,322,182.2218	519,777.4065	0+54.56	1,322,181.5714	519,748.5778	45° 50' 27" LT	84° 00' 55"	28.84'	54.56'	68.20'	N 45° 27' 06" W	S 88° 42' 27" W	0.000	
CNW11		0+00.00	1,322,215.6096	519,750.5576	0+22.17	1,322,216.2111	519,772.7207	0+42.47	1,322,231.0796	519,789.1673	40° 33' 38" LT	95° 29' 35"	22.17'	42.47'	60.00'	N 88° 26' 44" E	N 47° 53' 06" E	0.000	
CNW12		0+00.00	1,322,240.5337	519,799.6248	0+33.50	1,322,262.9988	519,824.4742	0+62.49	1,322,296.4434	519,822.5678	51° 08' 51" LT	81° 51' 04"	33.50'	62.49'	70.00'	N 47° 53' 06" E	N 3° 15' 45" W	0.000	
34th STREET AT LAKE AVENUE																			
CSE21		0+00.00	1,324,844.8088	519,900.3847	0+64.04	1,324,845.7281	519,836.3519	1+00.07	1,324,781.6887	519,836.3508	90° 49' 17" LT	90° 45' 42"	64.04'	100.07'	63.13'	N 89° 10' 39" W	S 0° 00' 04" W	0.000	
CNE21		0+00.00	1,324,899.2022	519,862.9851	0+22.51	1,324,882.1388	519,877.6647	0+42.30	1,324,881.8157	519,900.1712	48° 28' 20" LT	114° 35' 30"	22.51'	42.30'	50.00'	S 40° 42' 18" E	S 89° 10' 39" E	0.000	
CNE22		0+00.00	1,324,902.3369	519,860.2884	0+25.97	1,324,922.0223	519,843.3532	0+49.73	1,324,947.9898	519,843.3537	40° 42' 22" RT	81° 51' 04"	25.97'	49.73'	70.00'	N 40° 42' 18" W	N 0° 00' 04" E	0.000	
CSW21		0+00.00	1,324,851.3093	519,727.5789	0+68.02	1,324,857.1326	519,795.3521	1+03.41	1,324,789.1097	519,795.3509	94° 54' 43" RT	91° 46' 46"	68.02'	103.41'	62.43'	N 85° 05' 20" E	S 0° 00' 04" W	0.000	
CNW21		0+00.00	1,324,907.5241	519,783.5262	0+25.77	1,324,890.4278	519,764.2455	0+49.59	1,324,889.0013										

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



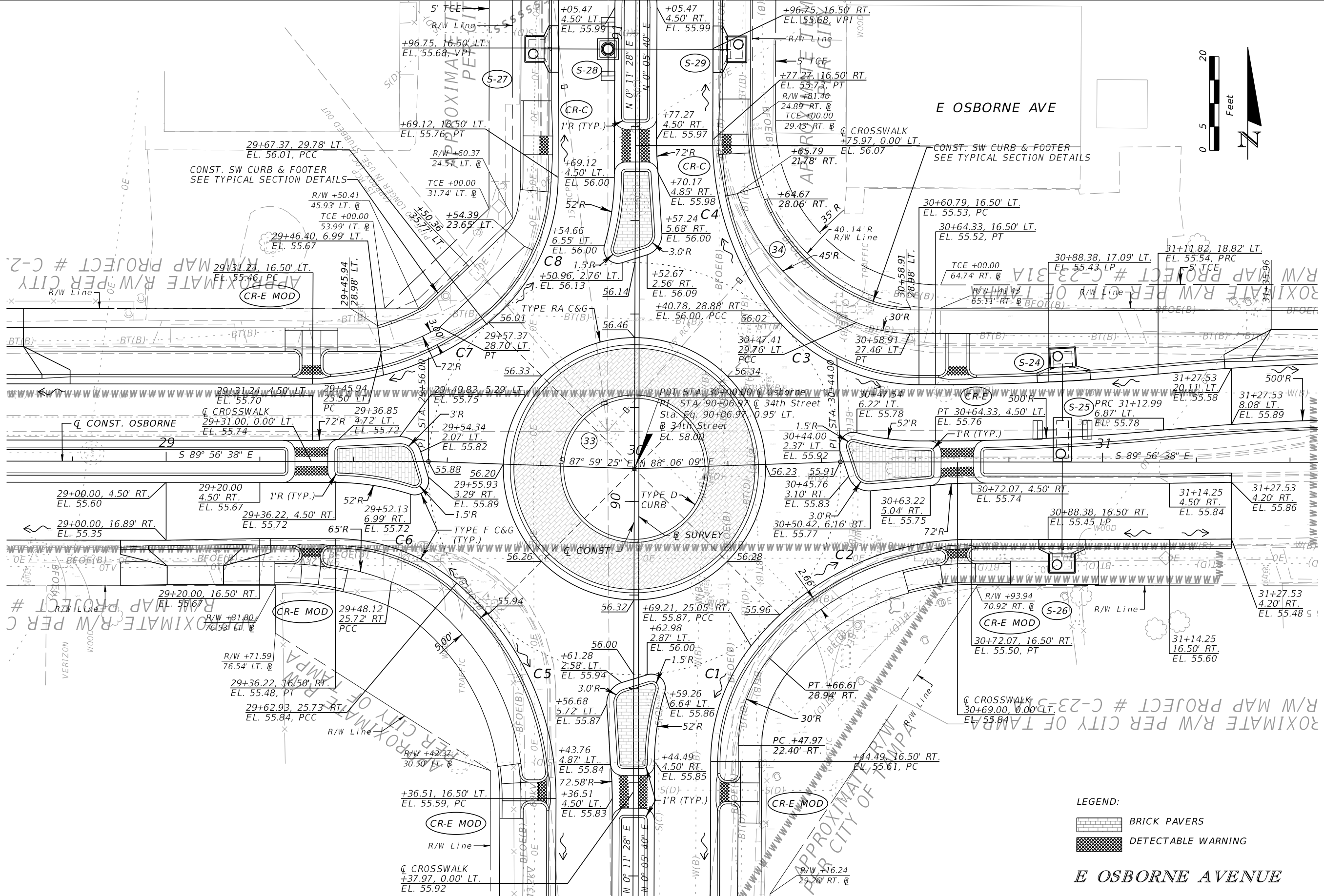
REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			INTERSECTION DETAIL	SHEET NO. 33
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			INTERSECTION DETAIL	SHEET NO. 34
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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

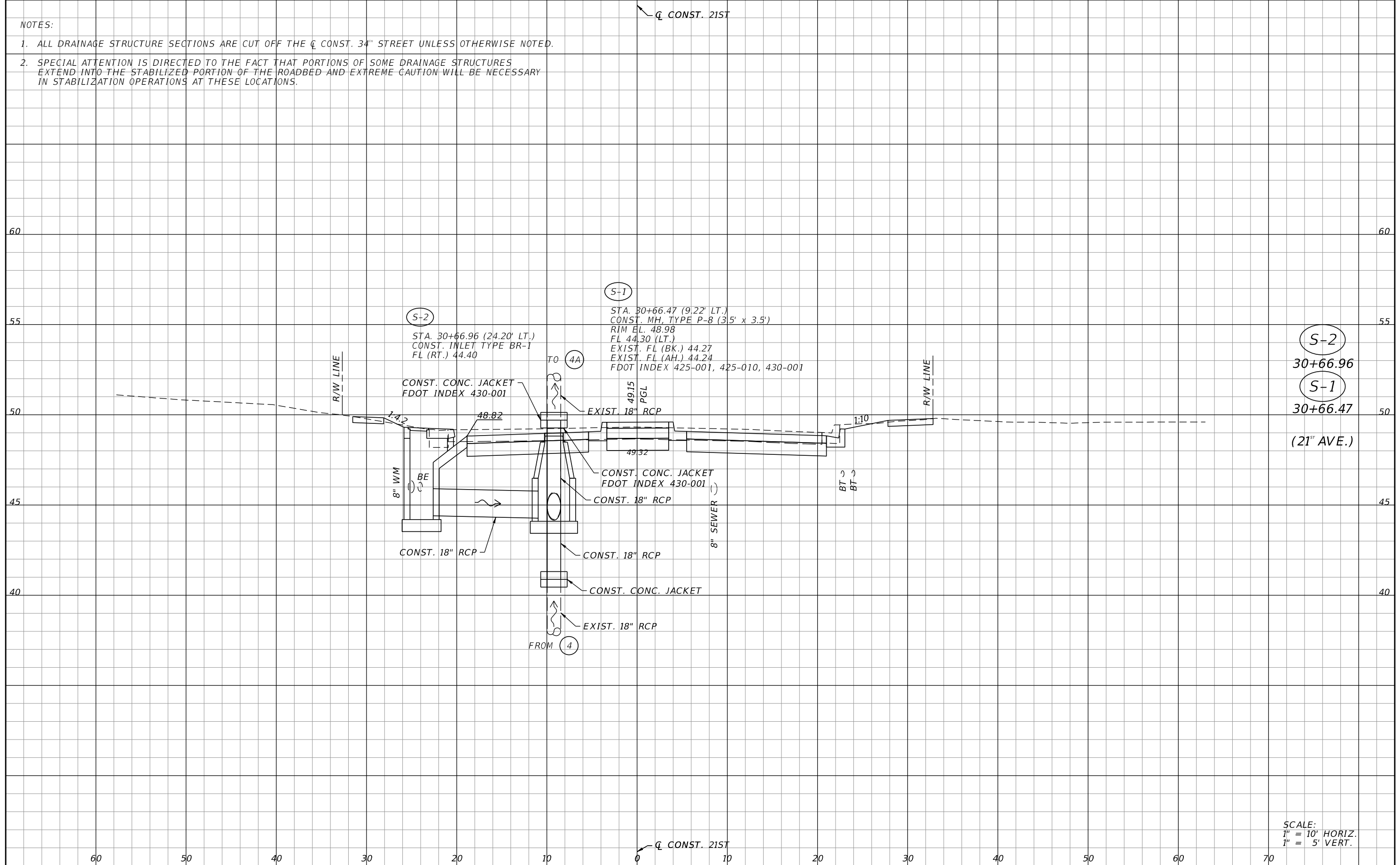


REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			INTERSECTION DETAIL	SHEET NO. 35
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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

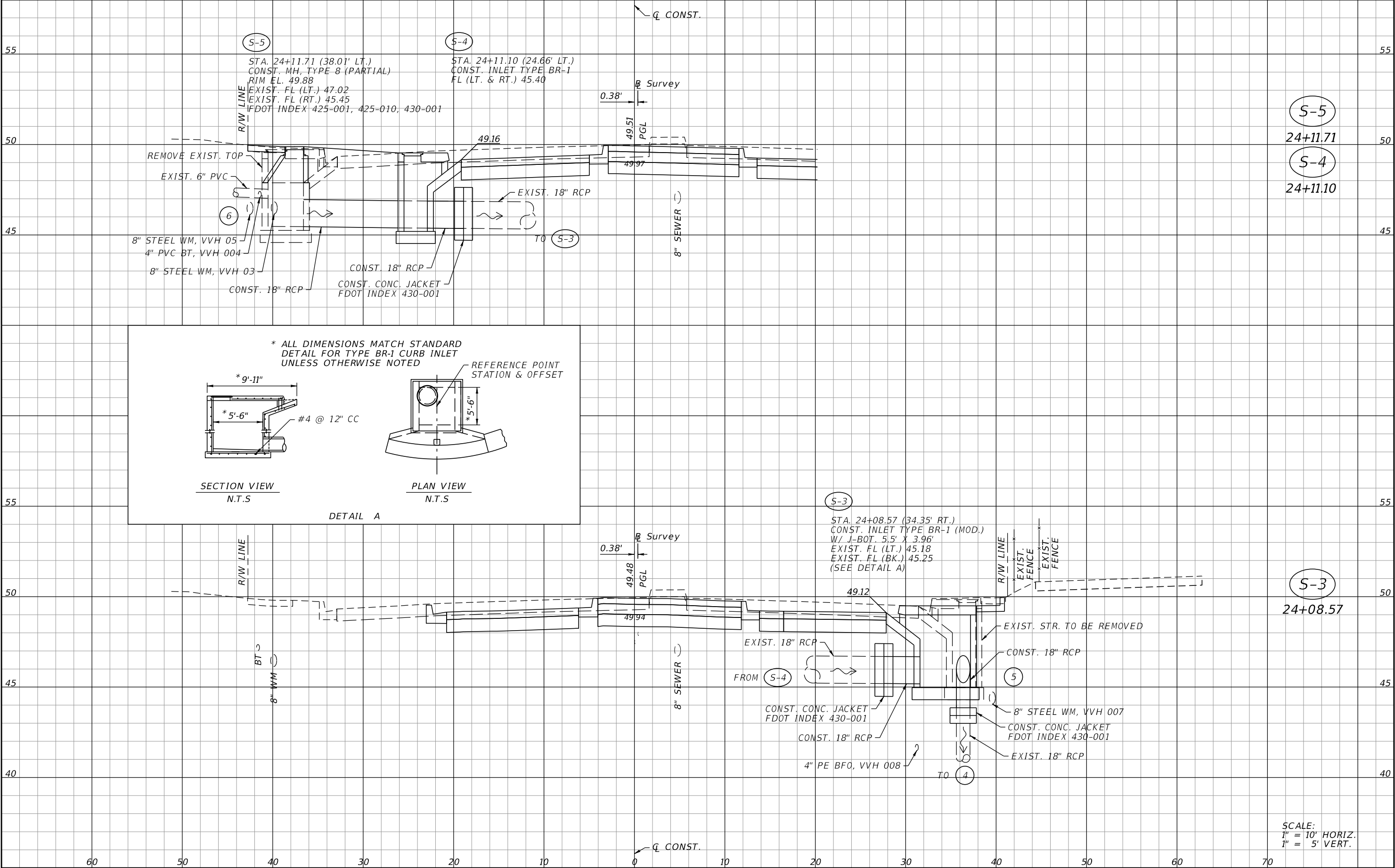
NOTES:

1. ALL DRAINAGE STRUCTURE SECTIONS ARE CUT OFF THE Q CONST. 34" STREET UNLESS OTHERWISE NOTED.
2. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS.



REVISIONS				DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION NO. 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		36

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

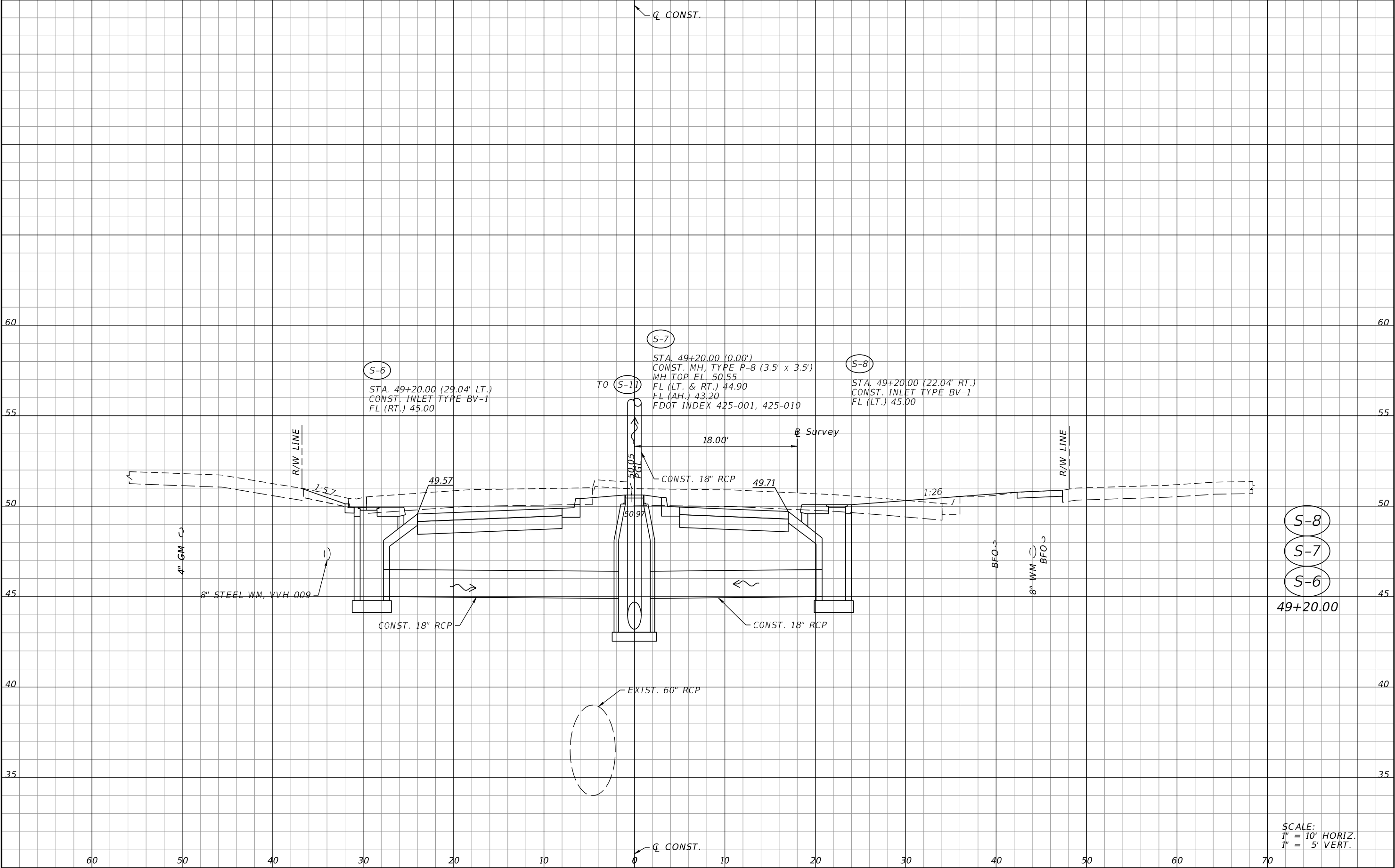


REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER	FINANCIAL PROJECT ID		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
				ROAD NO.	COUNTY		
				34TH ST	HILLSBOROUGH	437648-1-58-01	37

DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION NO. 26921

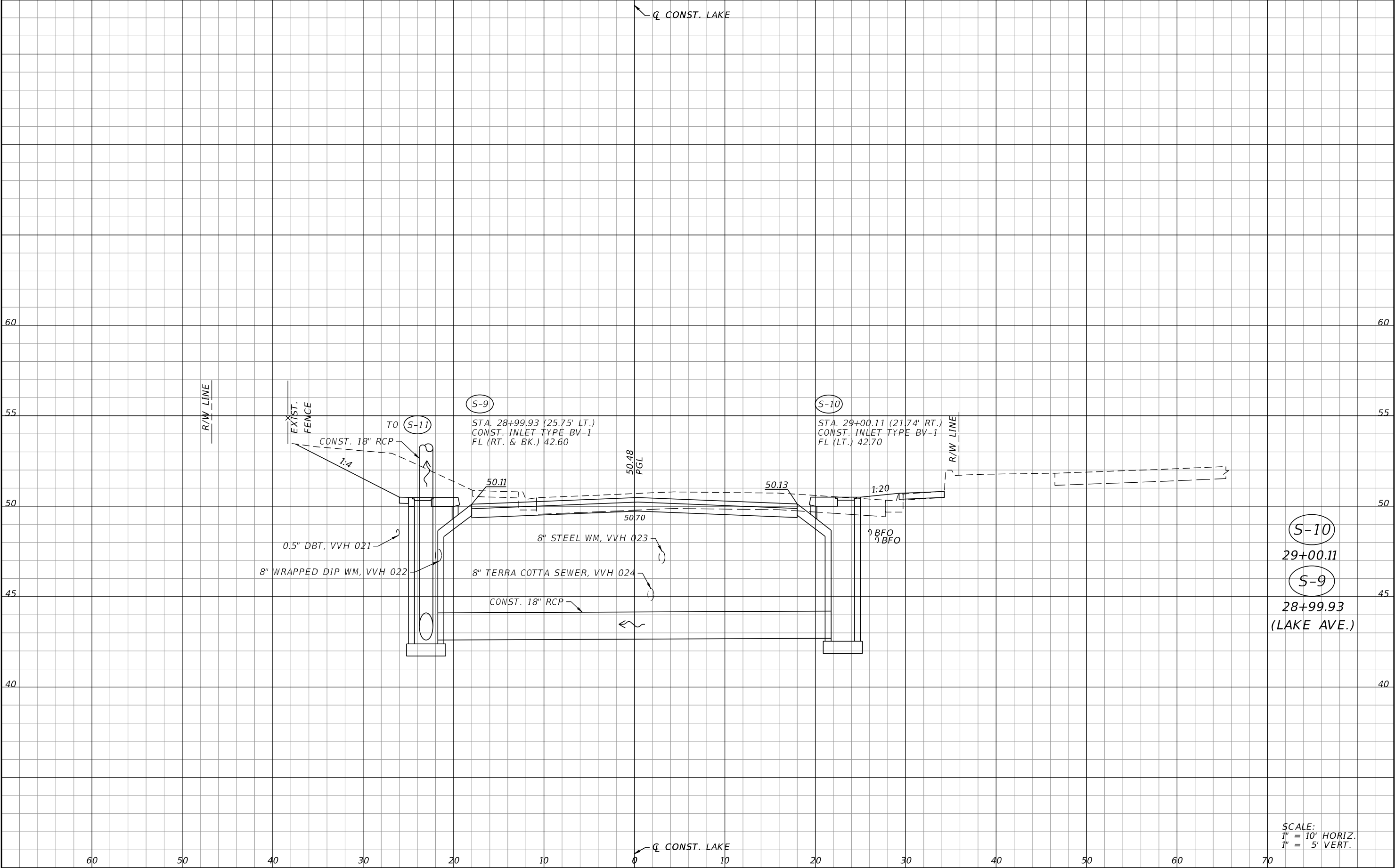
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION NO. 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		38
					34TH ST	HILLSBOROUGH	437648-1-58-01		

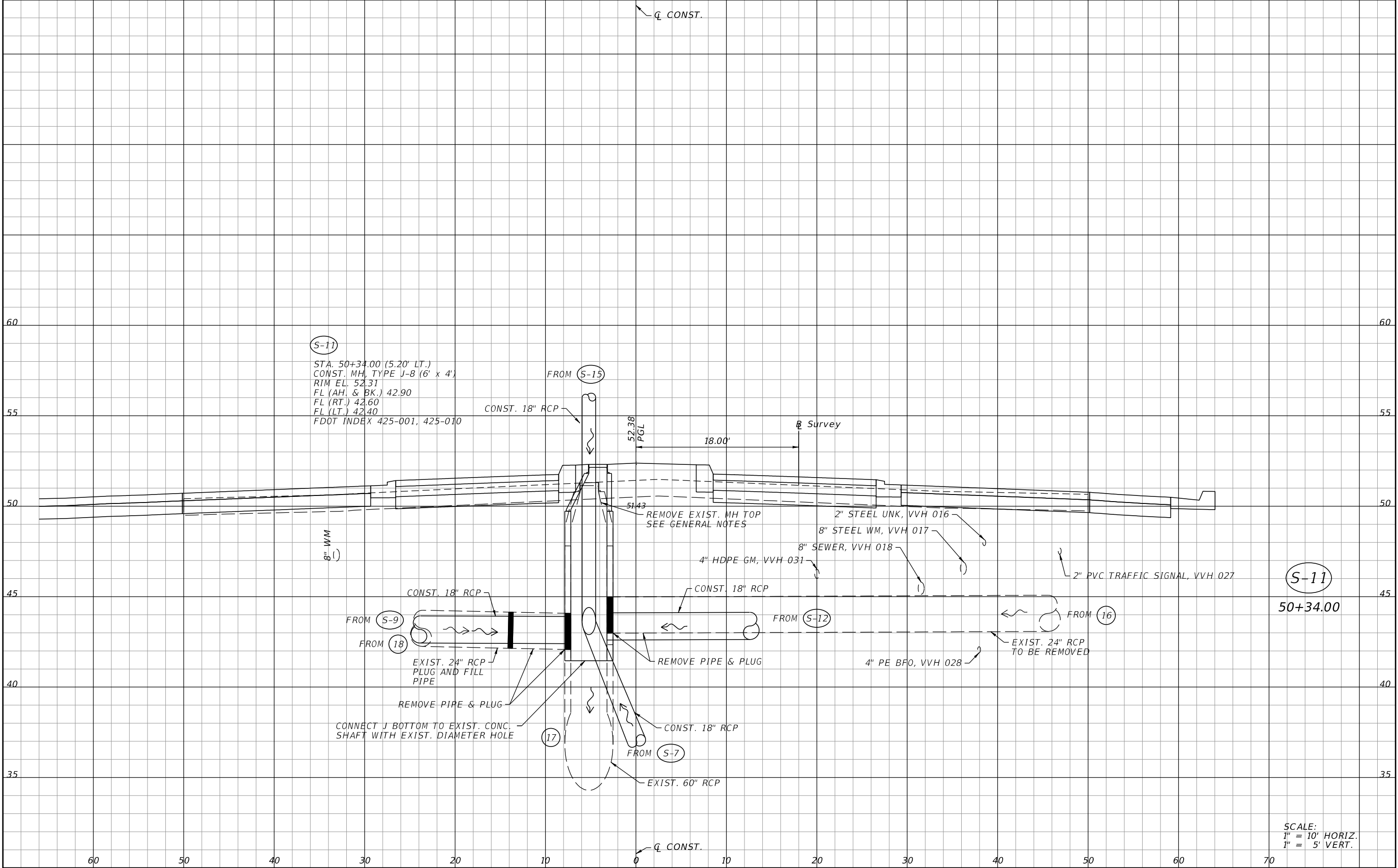
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



SCALE:
1" = 10' HORIZ.
1" = 5' VERT.

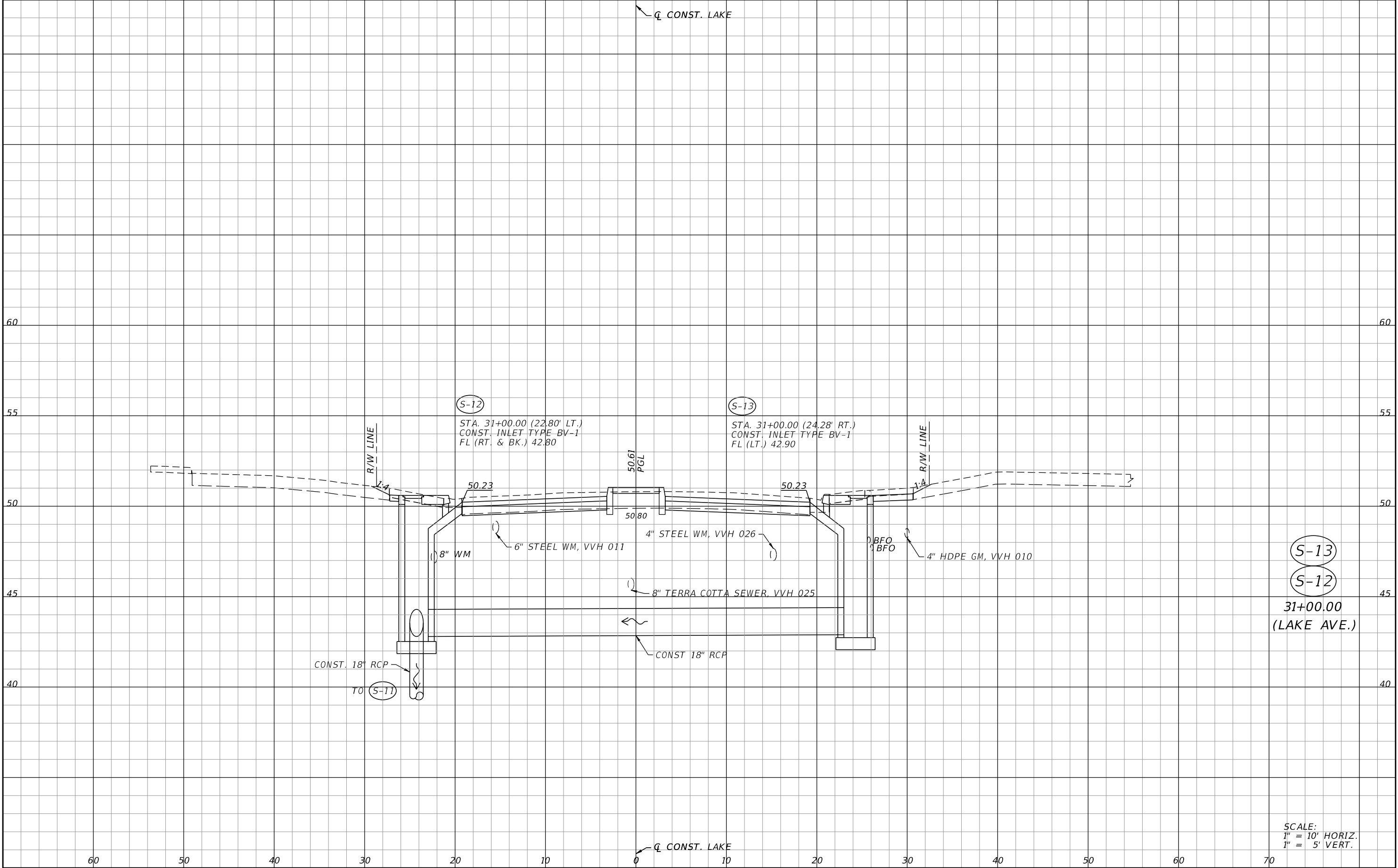
REVISIONS				DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION NO. 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		39
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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REVISIONS				DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION NO. 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			DRAINAGE STRUCTURES		SHEET NO. 40
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					34TH ST	HILLSBOROUGH	437648-1-58-01			

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

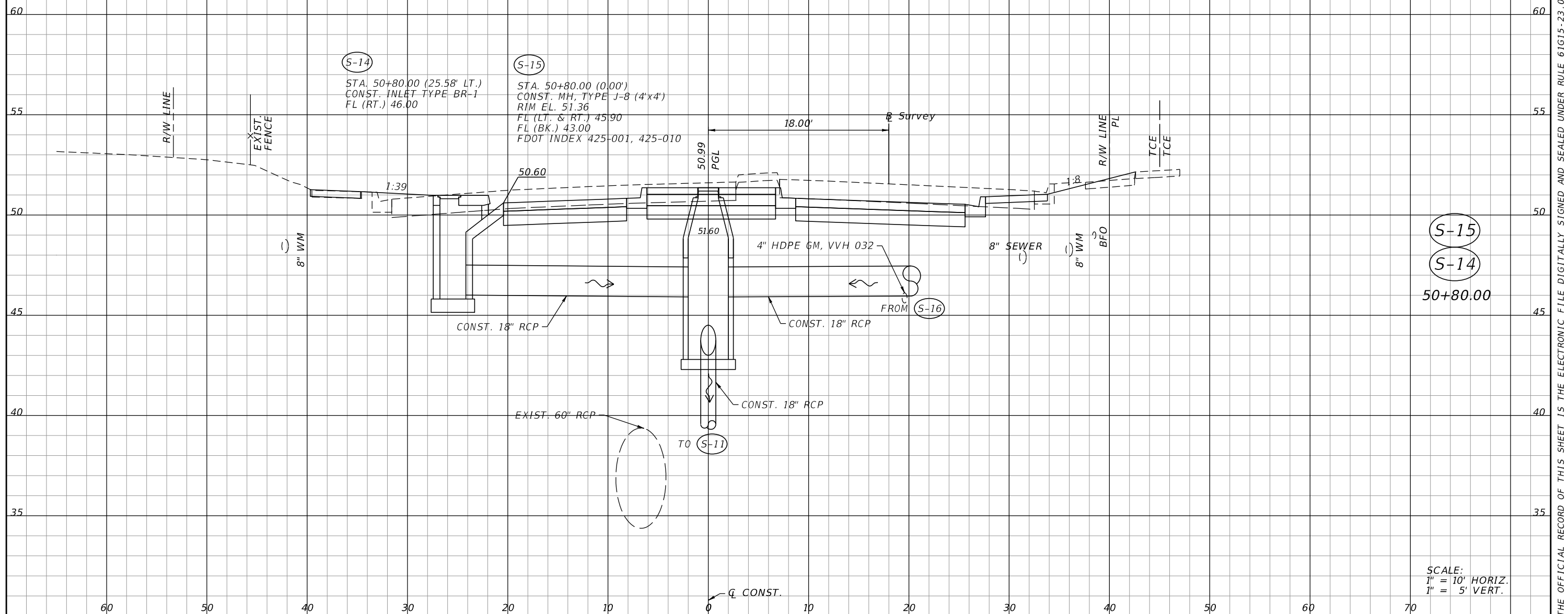


S-13
S-12
31+00.00
(LAKE AVE.)

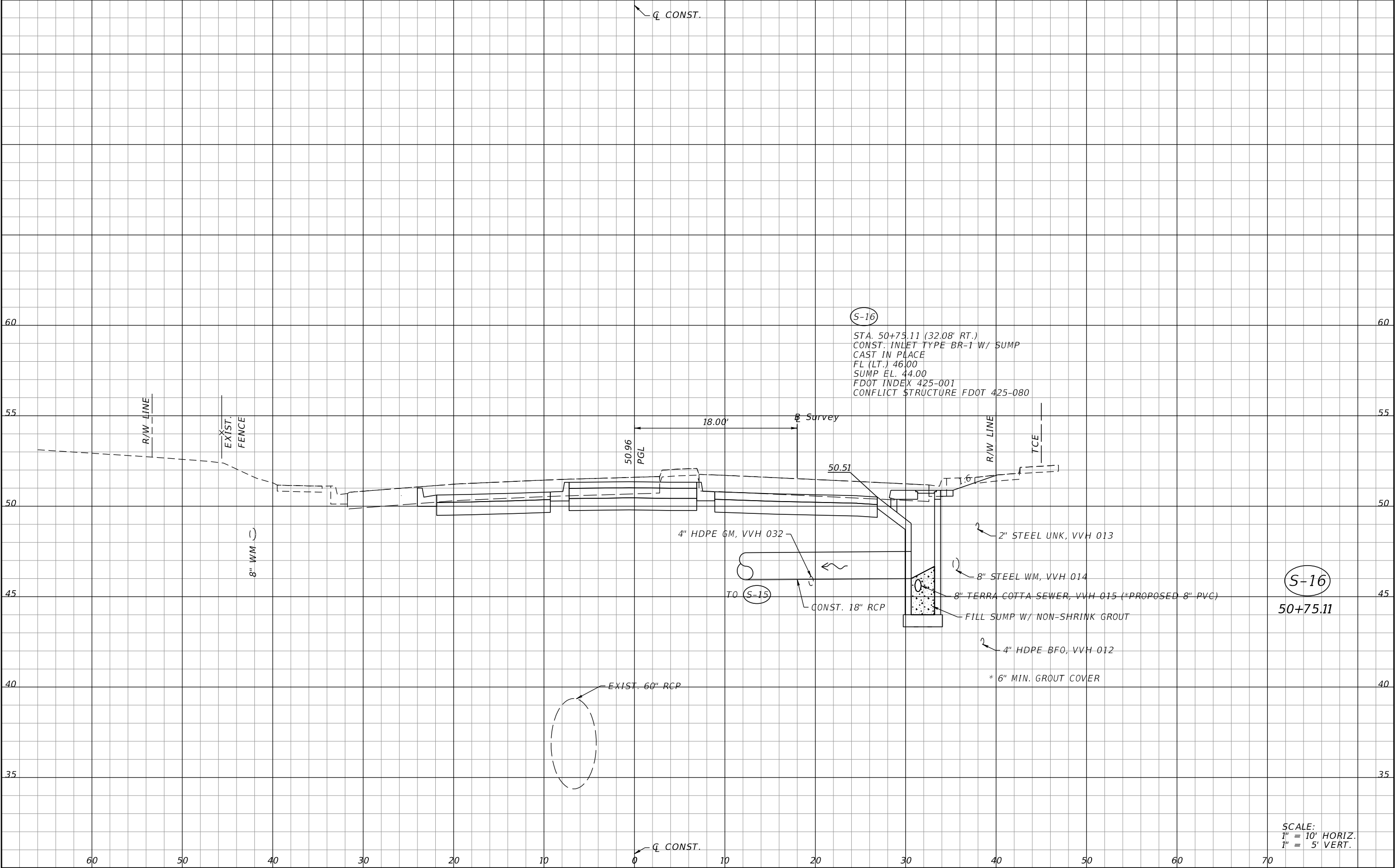
SCALE:
1" = 10' HORIZ.
1" = 5' VERT.

REVISIONS				DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION NO. 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		41
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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

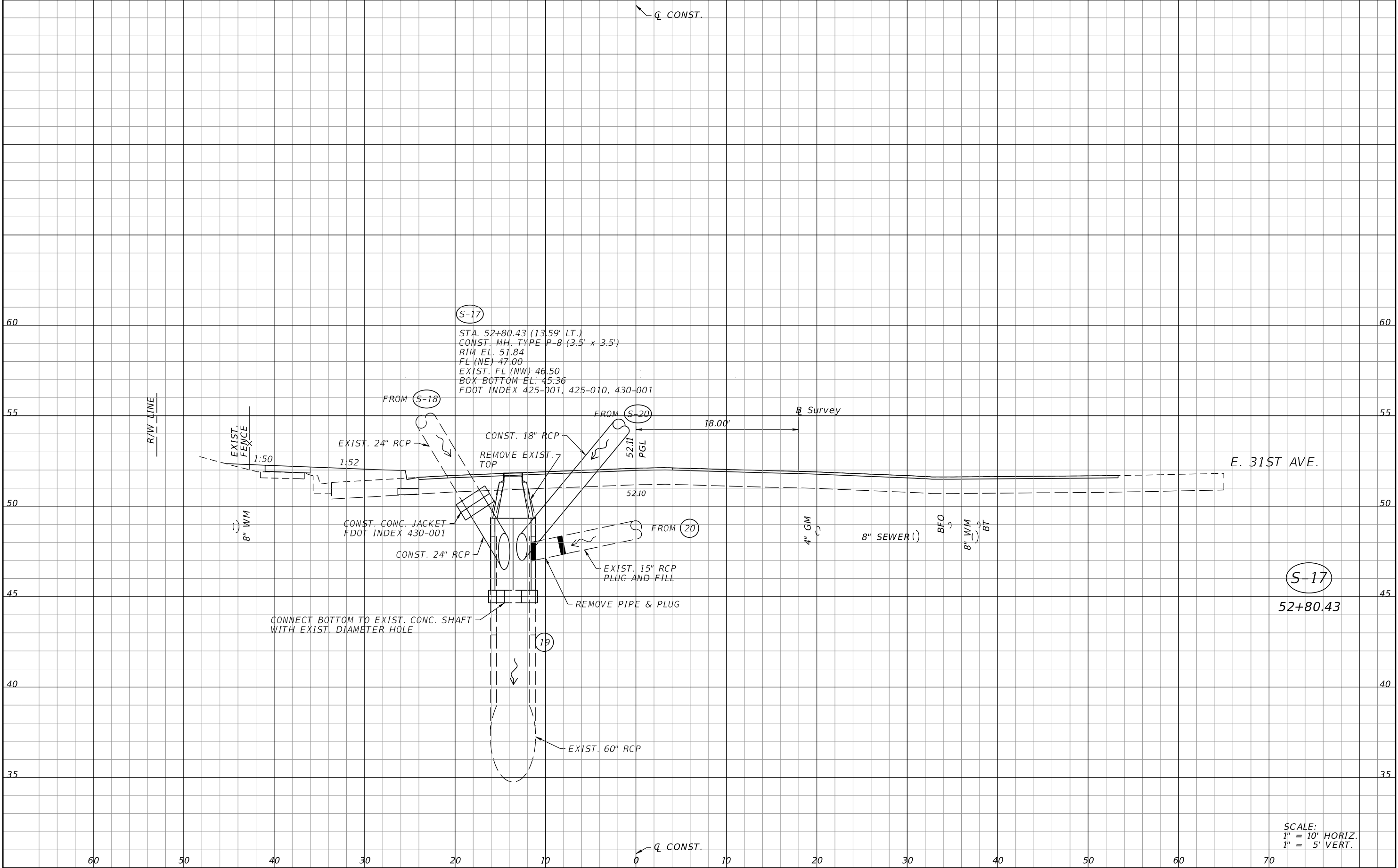


REVISIONS				DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION NO. 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			<i>DRAINAGE STRUCTURES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		42



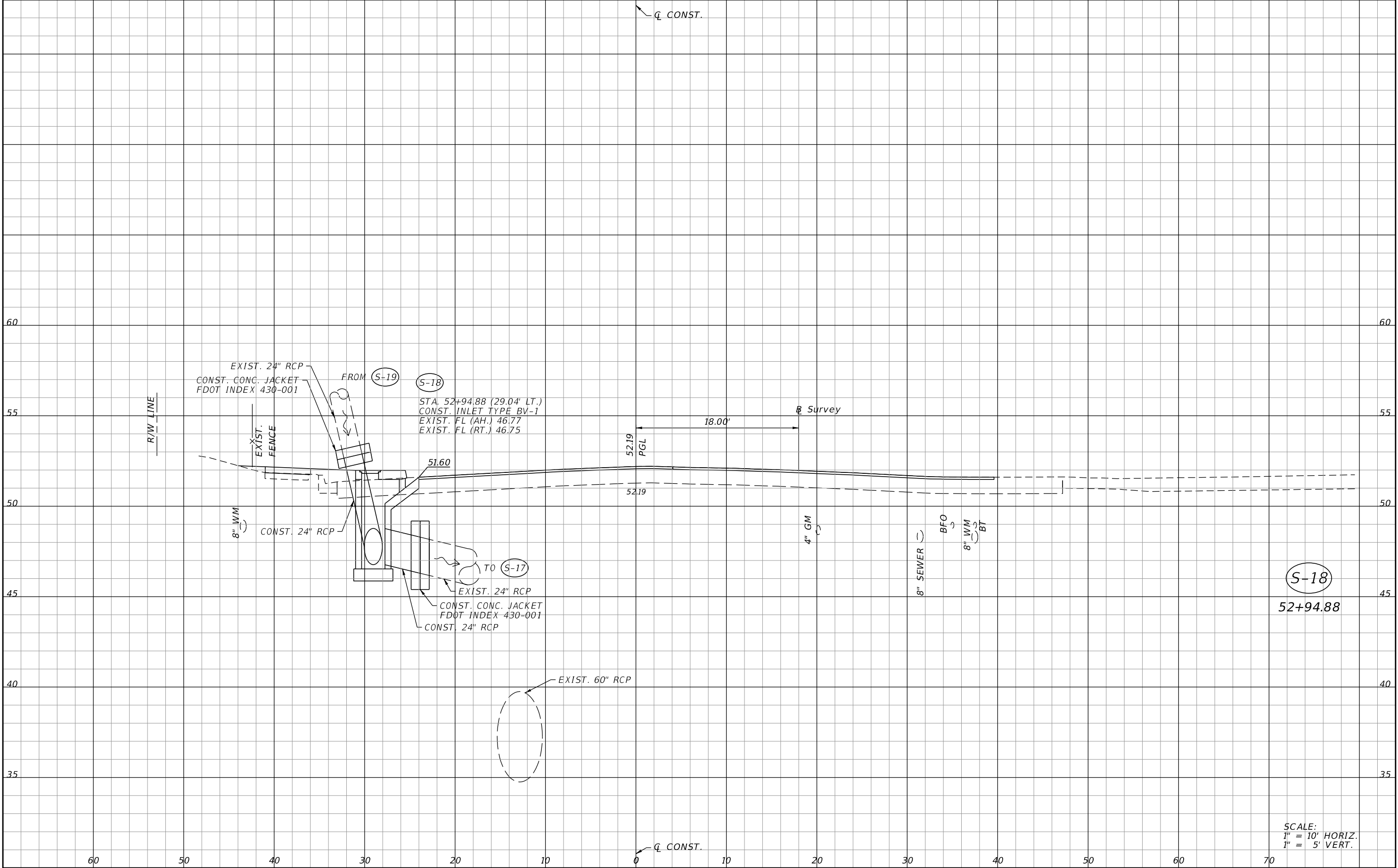
REVISIONS				DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION NO. 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			DRAINAGE STRUCTURES	SHEET NO. 43
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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



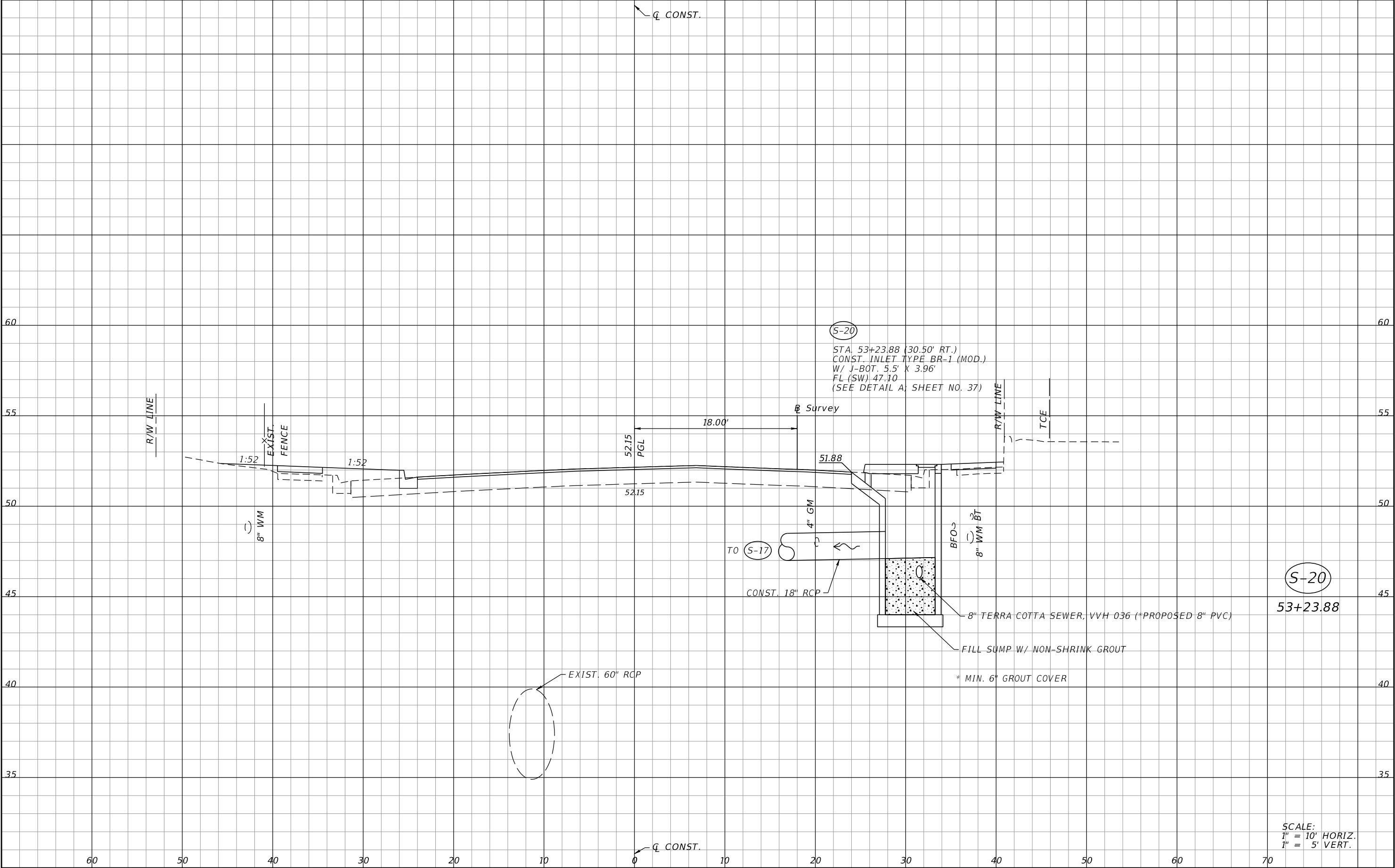
REVISIONS				DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION NO. 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			DRAINAGE STRUCTURES		SHEET NO. 44
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					34TH ST	HILLSBOROUGH	437648-1-58-01			

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REVISIONS				DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION NO. 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			DRAINAGE STRUCTURES		SHEET NO. 45
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					34TH ST	HILLSBOROUGH	437648-1-58-01			

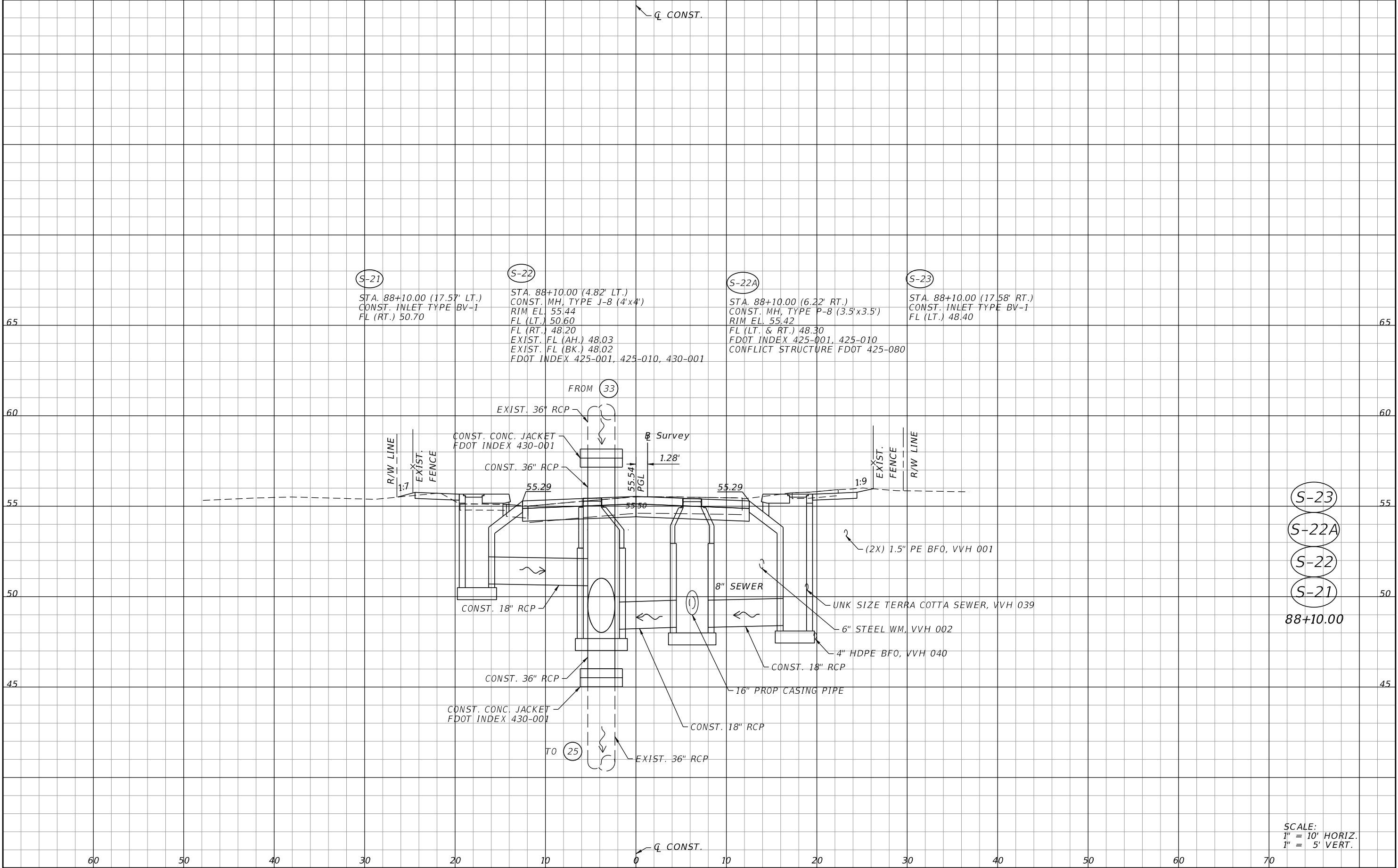
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION NO. 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			DRAINAGE STRUCTURES	SHEET NO. 47
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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SCALE:
1" = 10' HORIZ.
1" = 5' VERT.



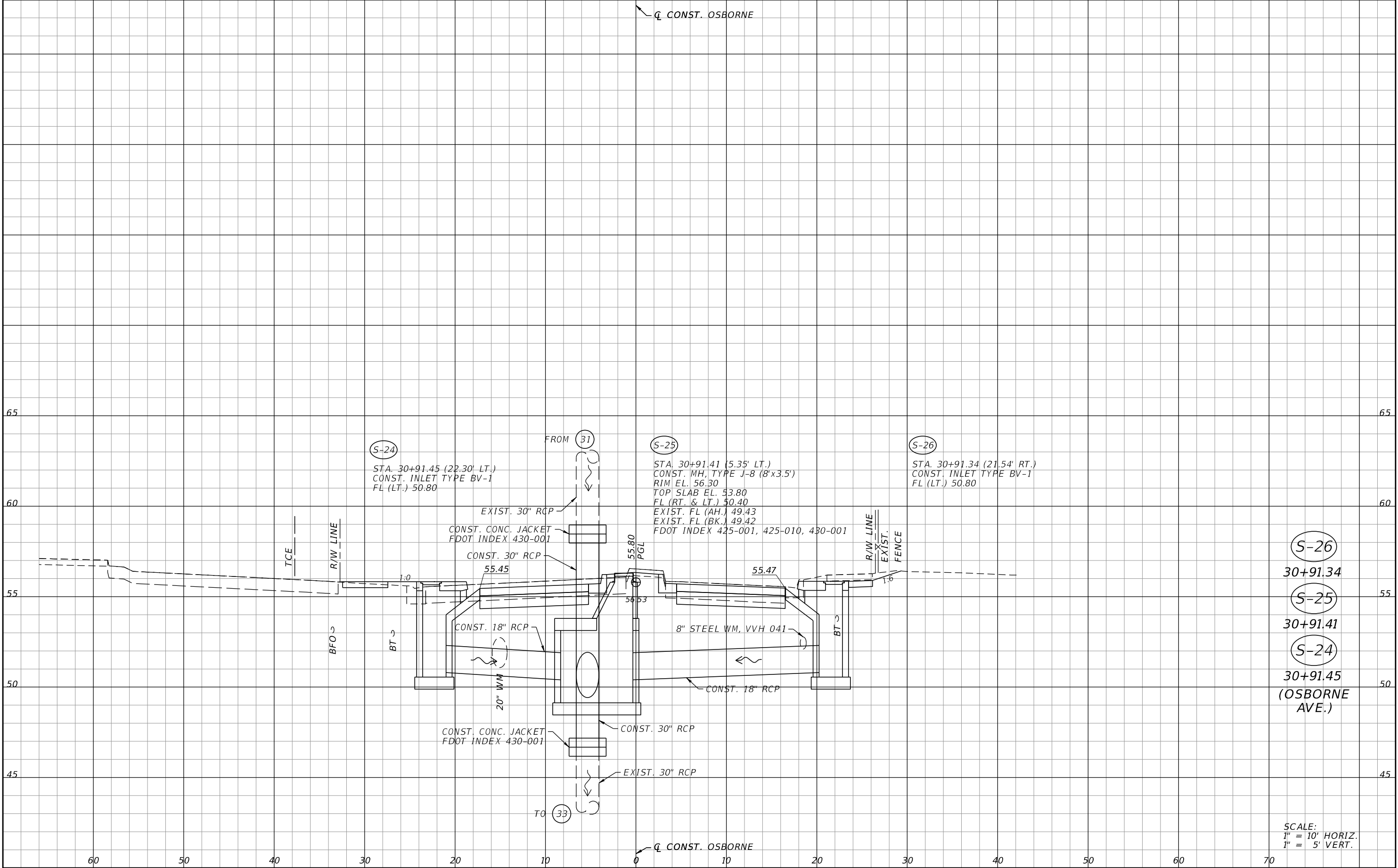
S-23
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S-22
S-21

88+10.00

SCALE:
1" = 10' HORIZ.
1" = 5' VERT.

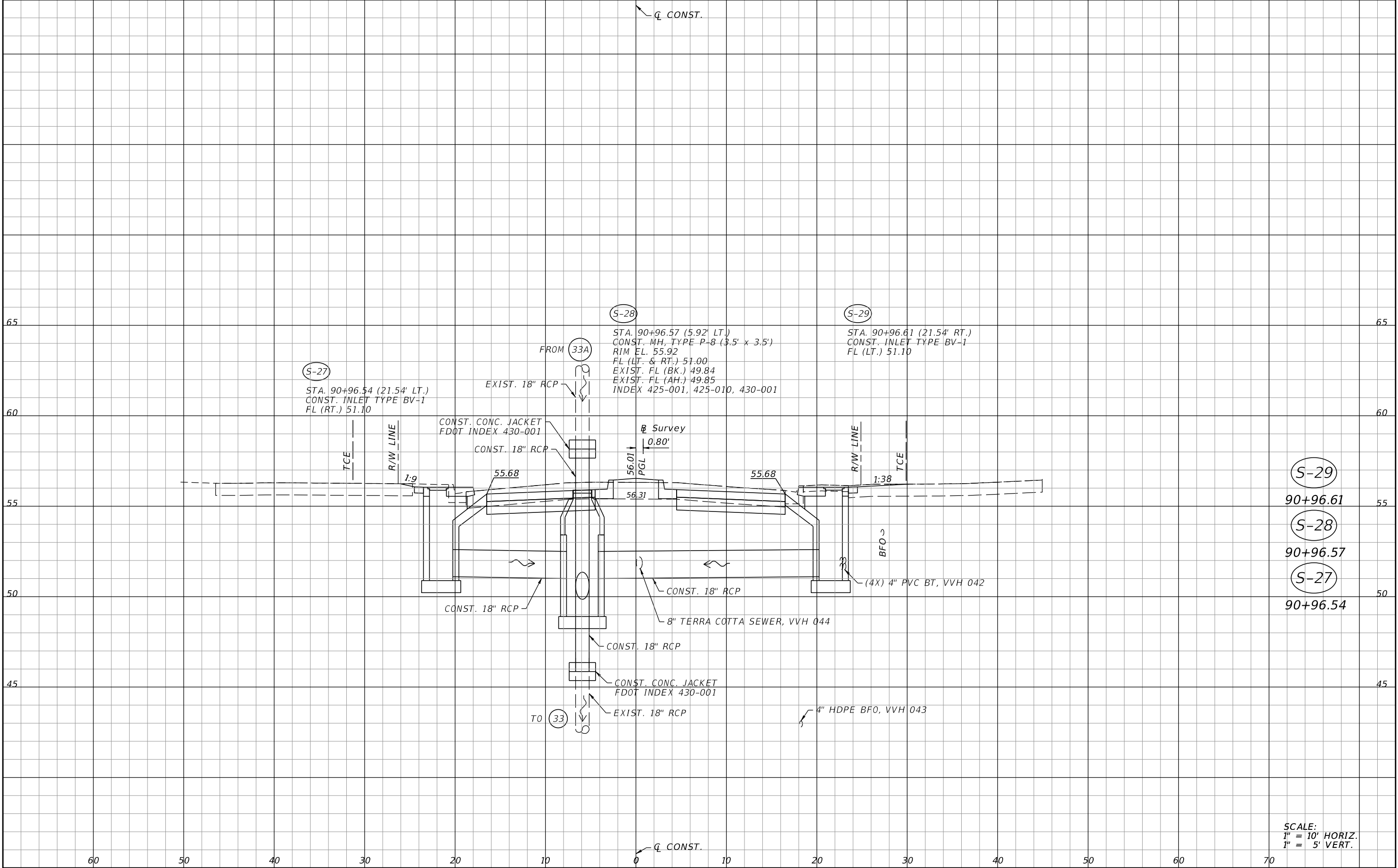
REVISIONS				DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION NO. 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			DRAINAGE STRUCTURES	SHEET NO. 48
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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



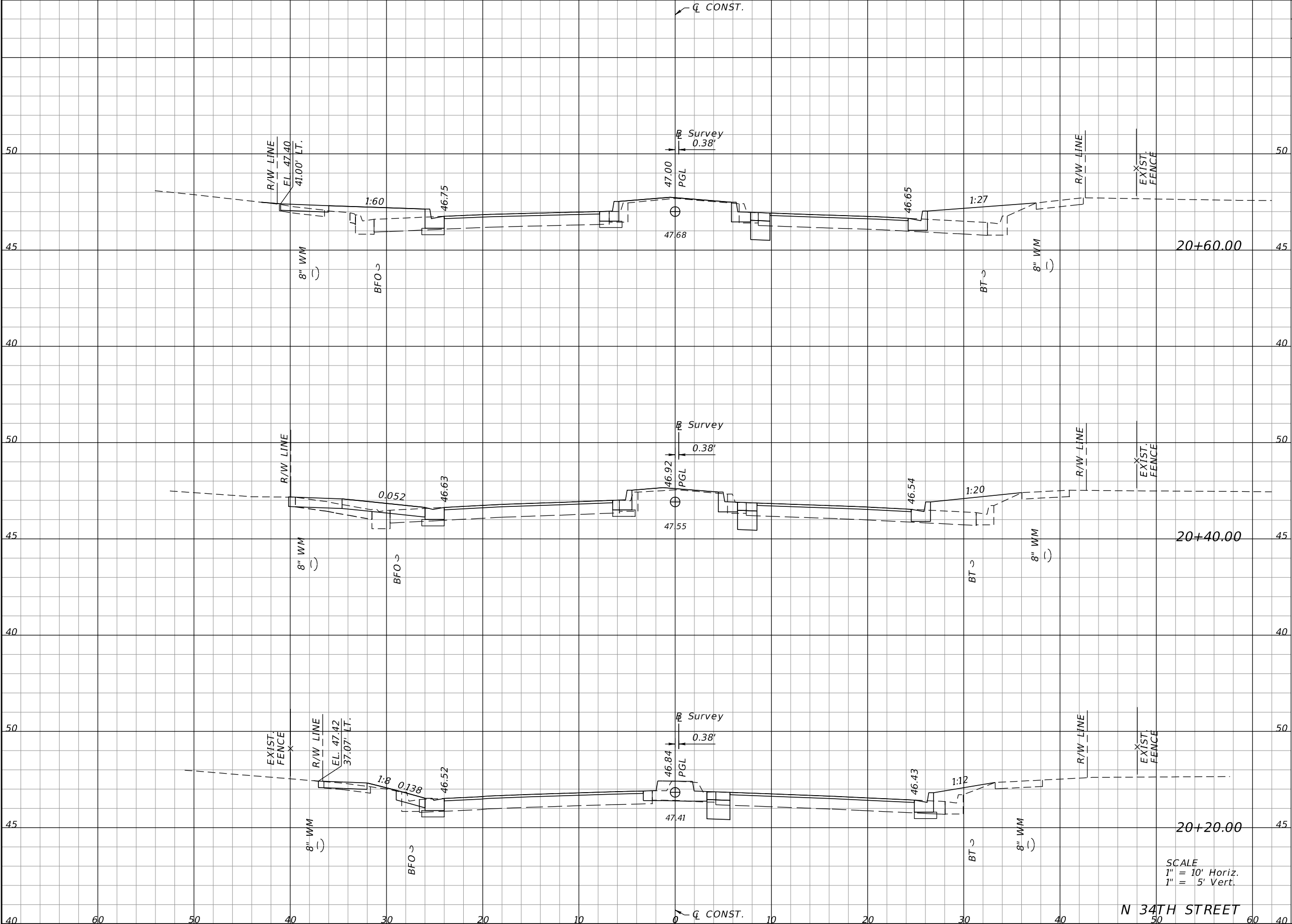
REVISIONS				DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION NO. 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			DRAINAGE STRUCTURES		SHEET NO. 49
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					34TH ST	HILLSBOROUGH	437648-1-58-01			

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



REVISIONS				DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION NO. 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		50

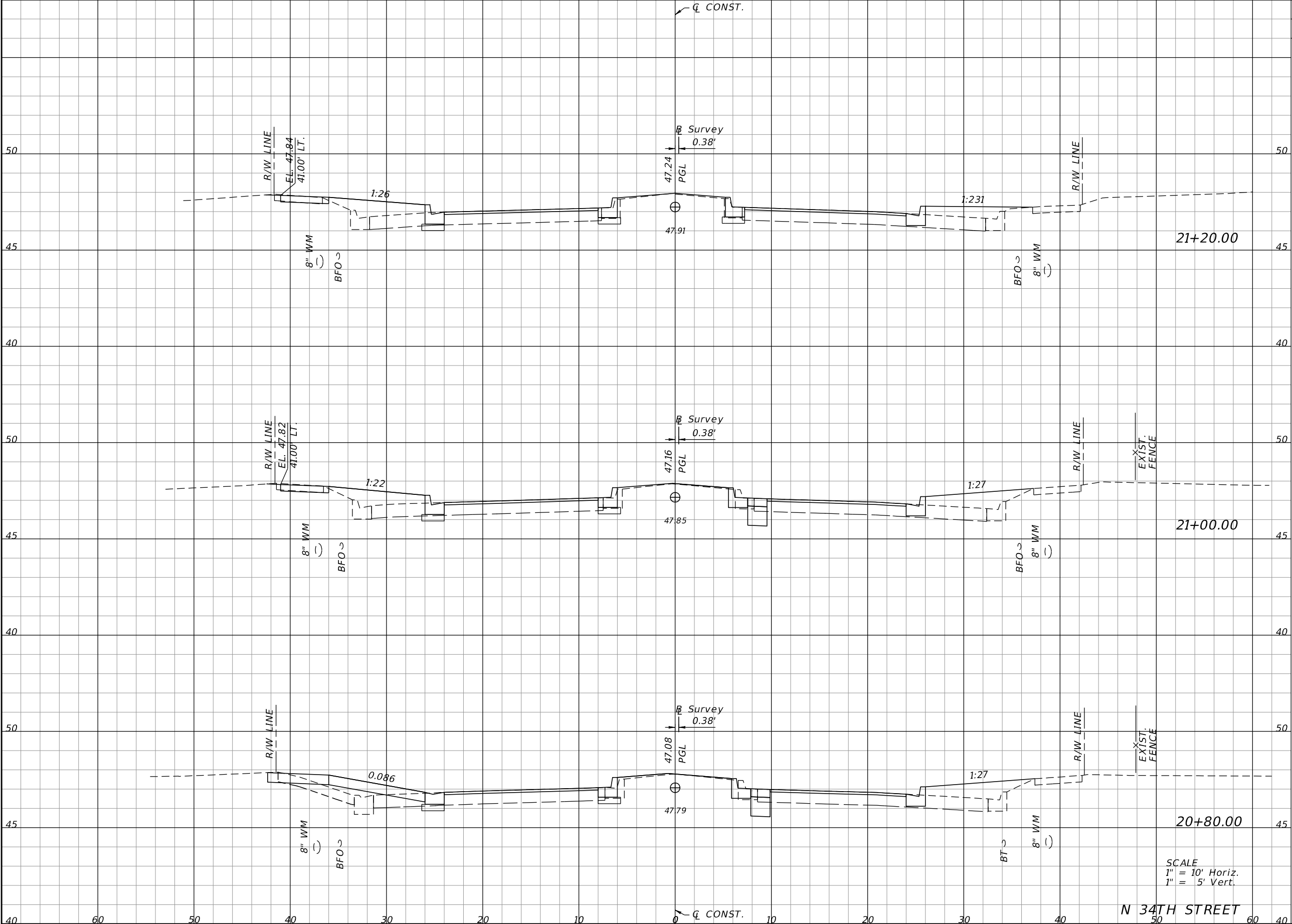
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A	V	A	V	
7.10	5.7	24.79	14.8	
8.42	5.7	15.10	7.8	
7.05	3.4	5.86	2.7	

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		52
					34TH ST	HILLSBOROUGH	437648-1-58-01		

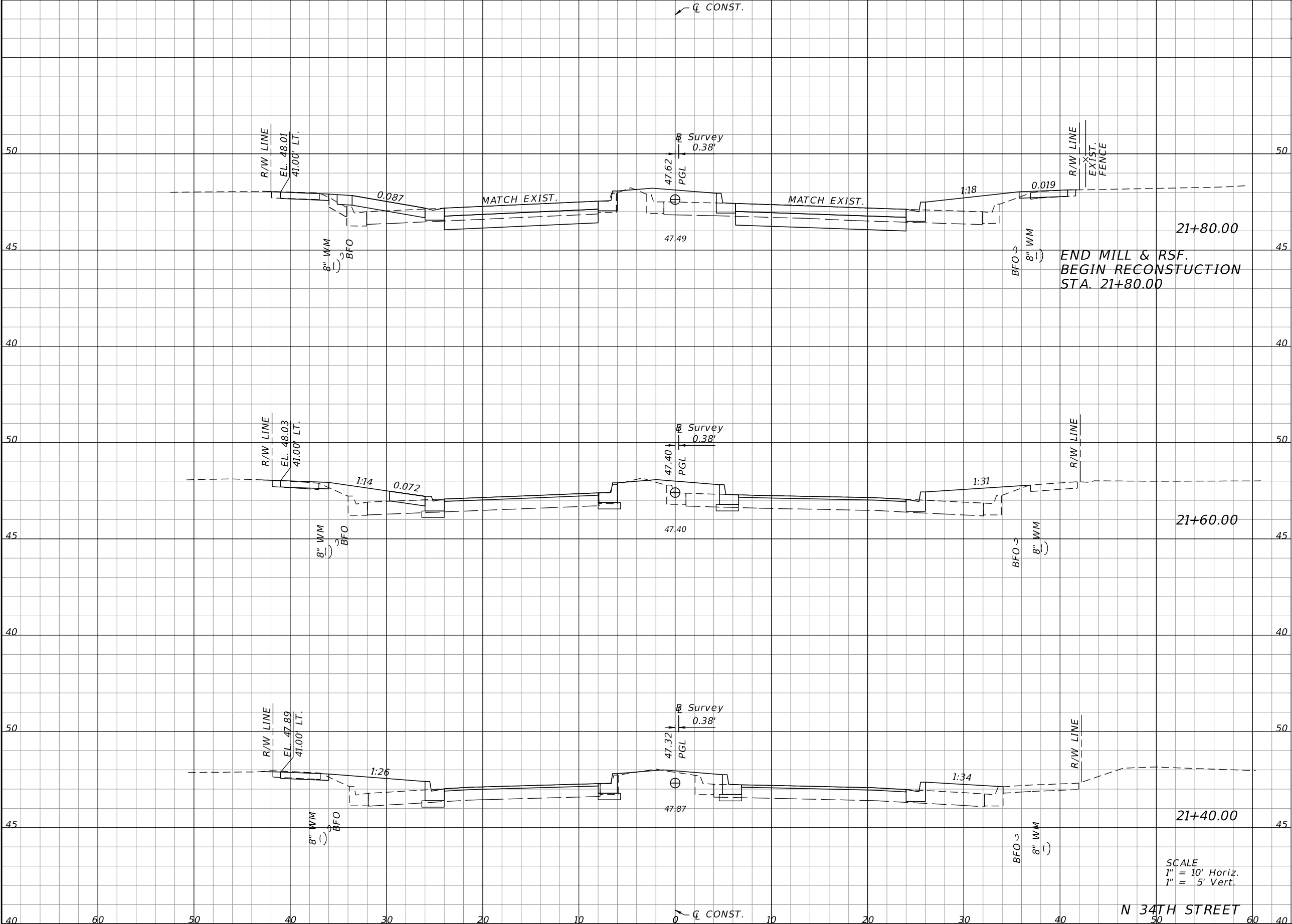
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A	V	A	V	
5.20	4.5	22.20	17.1	
7.04	5.7	23.87	17.1	
8.30	5.7	22.20	17.4	

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		53
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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



Regular		Exc.	Embankment	
A		V	A	V
41.81		17.9	29.29	20.9
6.57		4.8	27.06	19.0
6.26		4.2	24.14	17.2

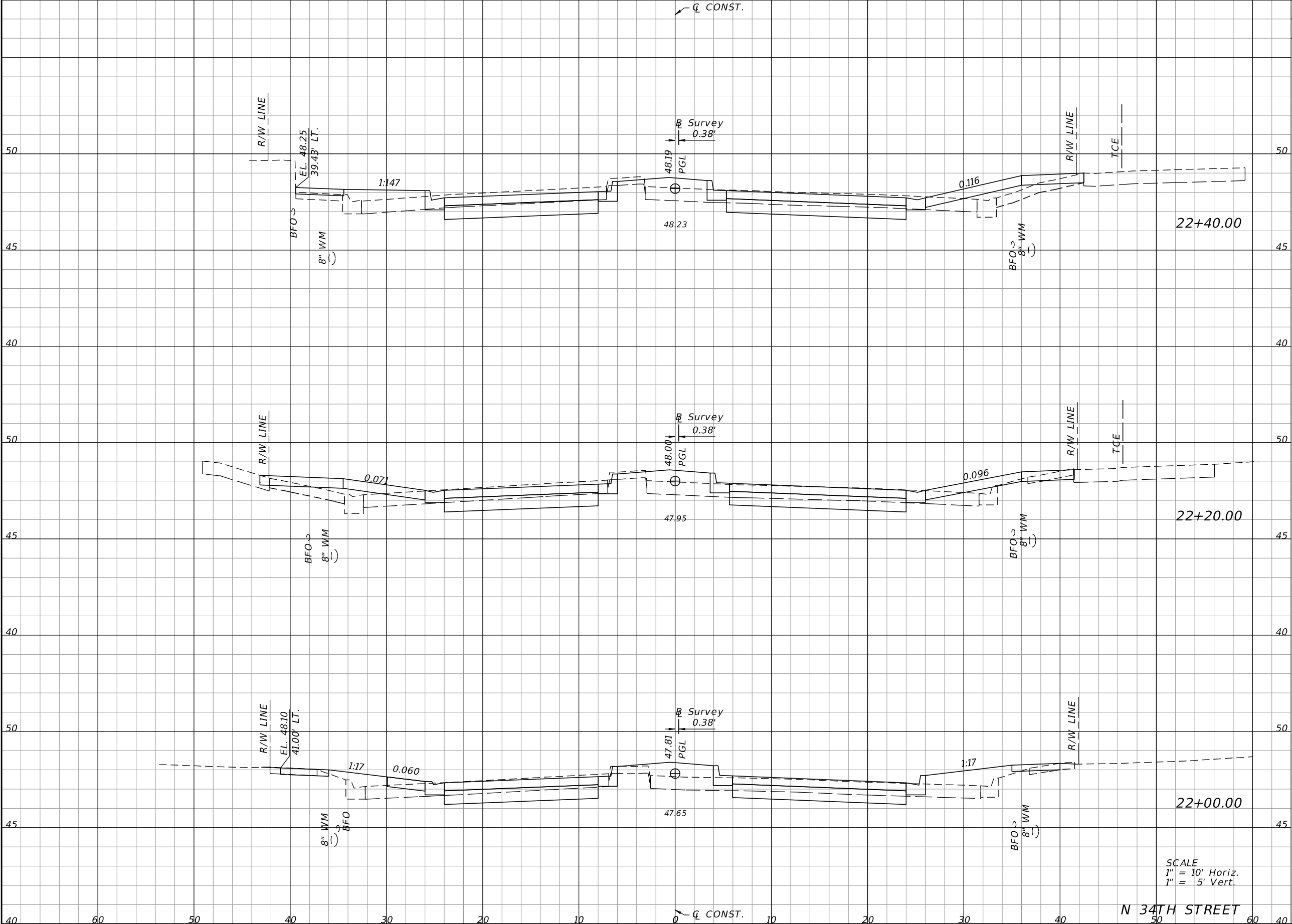
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
54	

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



Regular		Exc.	Embankment	
A	V	A	V	
50.11	36.4	28.67	19.5	
48.15	34.1	23.95	20.4	
44.04	31.8	31.25	22.4	

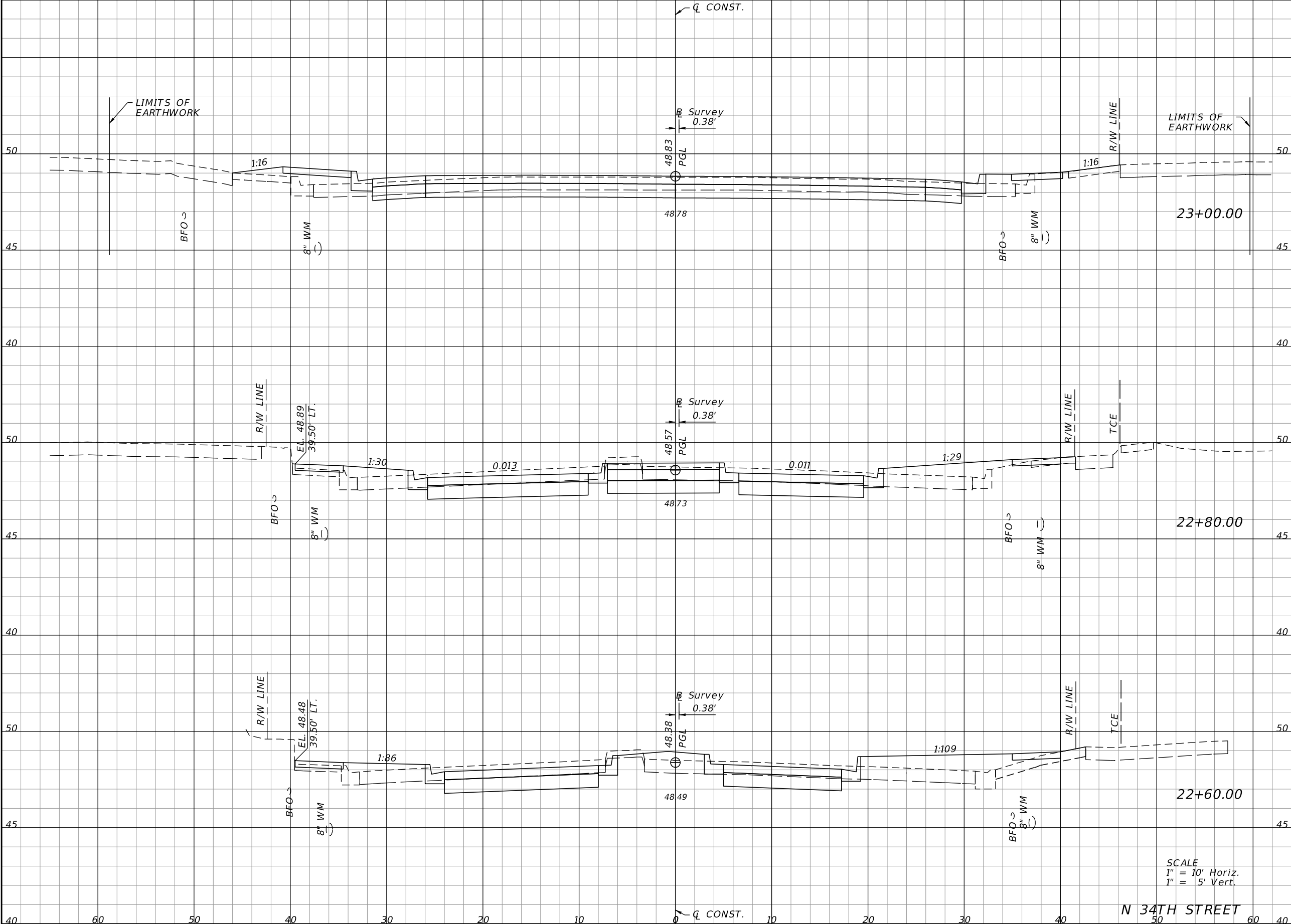
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
55	

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



Regular		Exc.	Embankment	
A		V	A	V
65.89		47.9	17.50	15.5
63.40		40.2	24.23	24.6
45.09		35.3	42.13	26.2

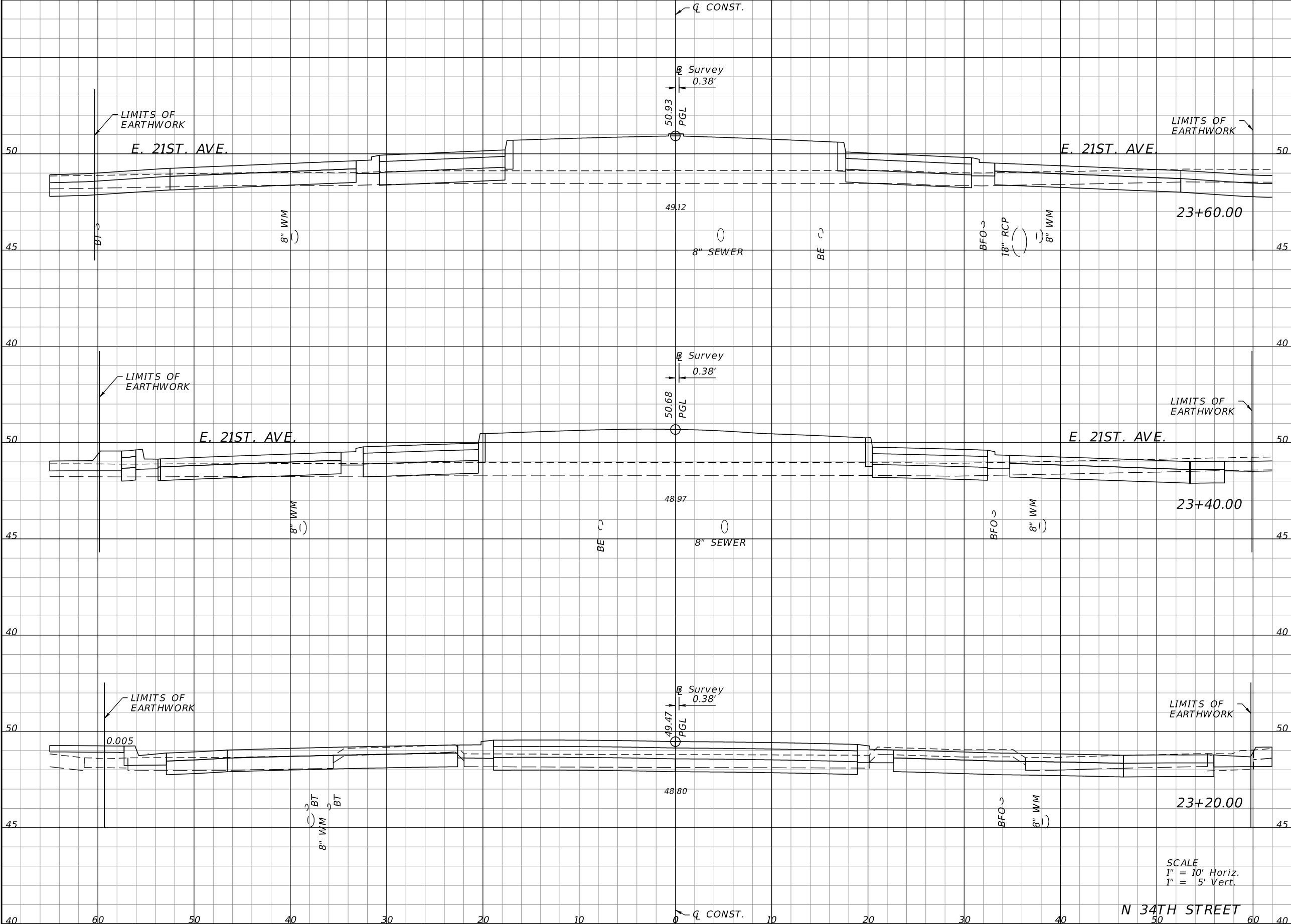
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
56	

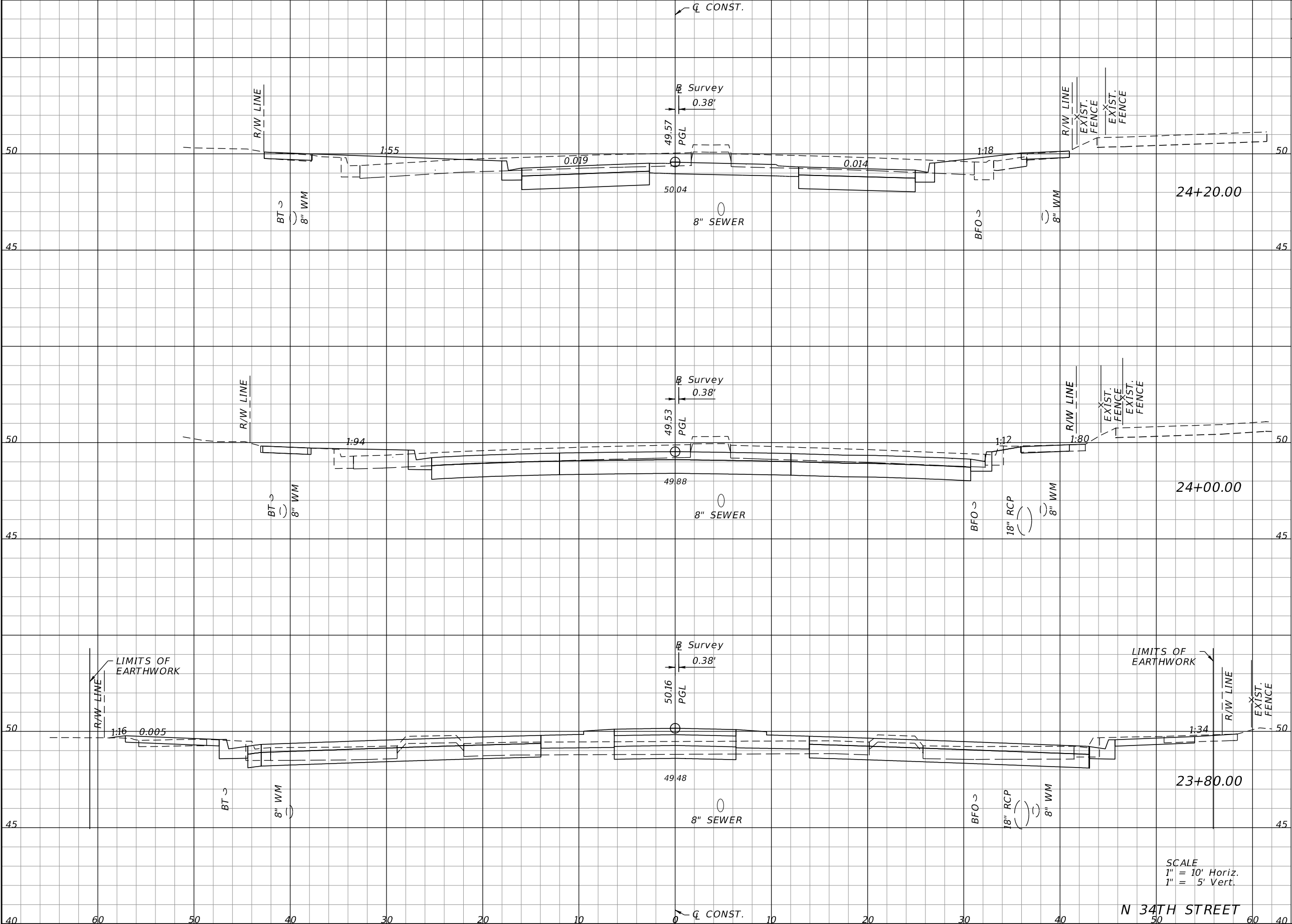
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V
57.09		43.4	84.73	66.3
60.06		56.2	94.25	36.8
91.58		58.3	5.22	8.4

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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



Regular		Exc.	Embankment	
A		V	A	V
64.77		55.1	22.58	11.7
83.98		58.8	9.11	5.7
74.82		48.9	6.35	33.7

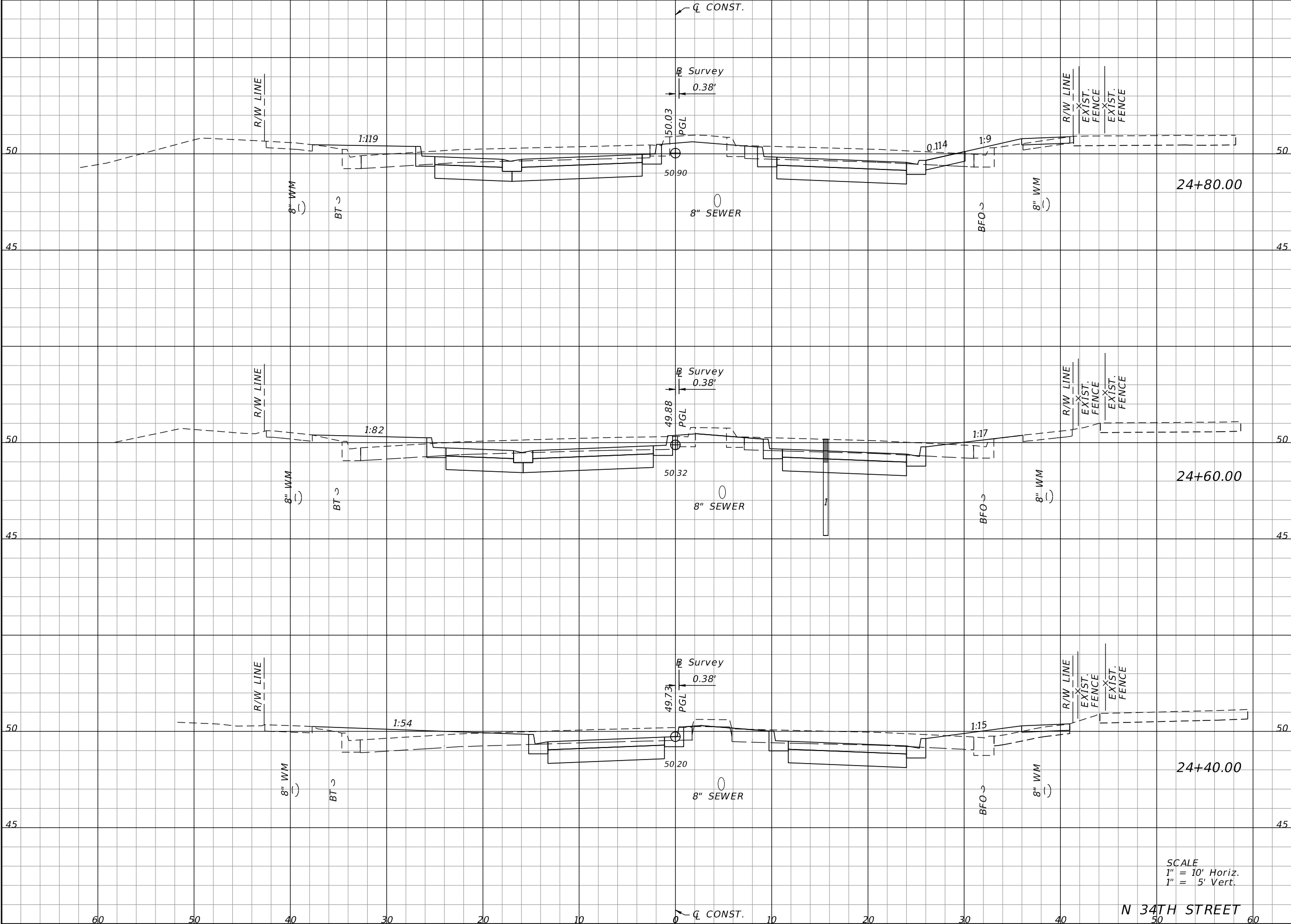
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
58	

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



Regular		Exc.	Embankment	
A		V	A	V
70.45		50.8	15.77	13.2
66.73		78.0	19.88	19.0
143.75		77.2	31.39	20.0

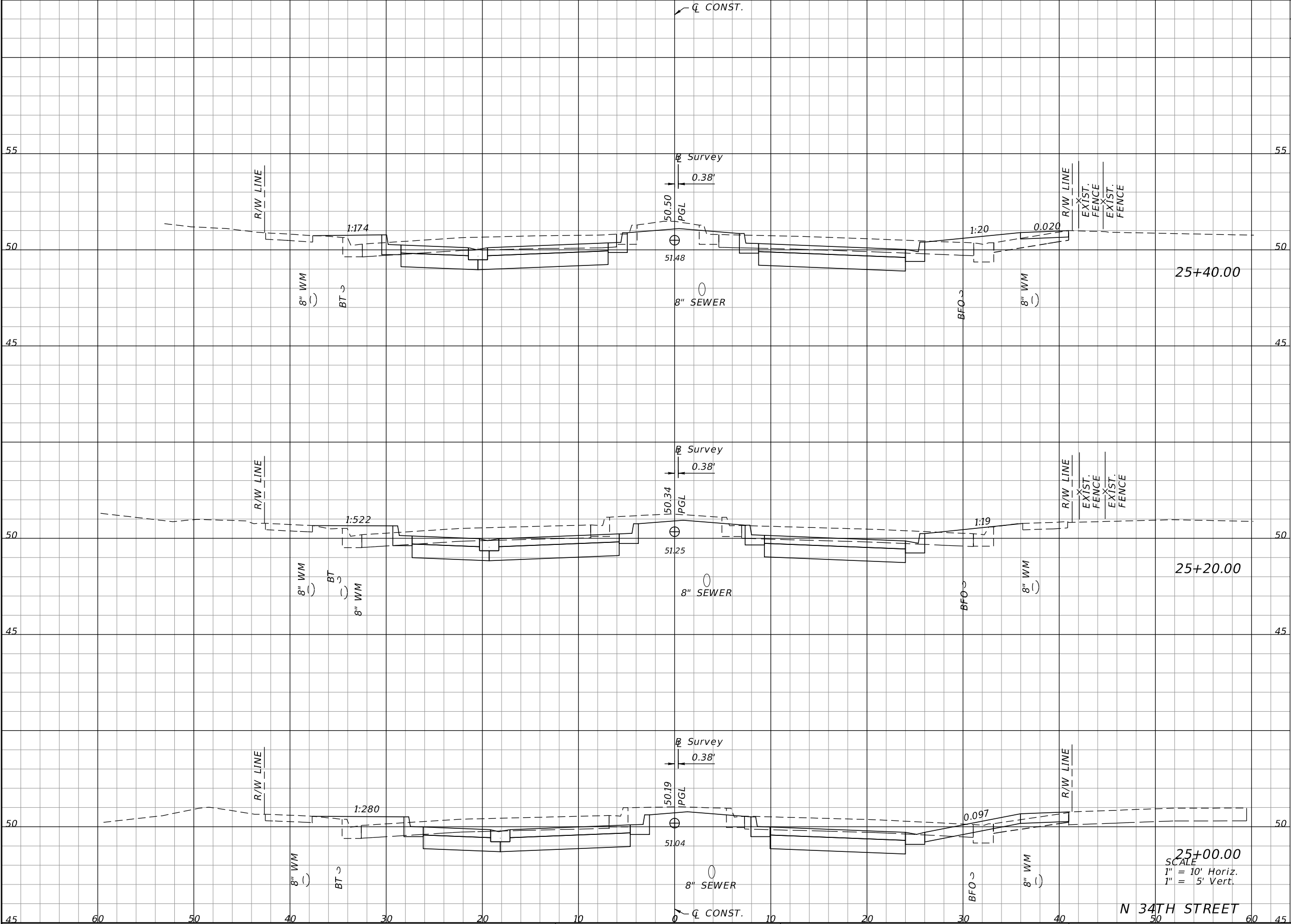
REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS		SHEET NO. 59
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
				34TH ST	HILLSBOROUGH	437648-1-58-01			

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

SCALE
1" = 10' Horiz.
1" = 5' Vert.

N 34TH STREET

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



Regular		Exc.	Embankment	
A		V	A	V
67.37		50.8	19.17	12.1
69.91			13.56	
73.27			12.02	
		53.2		10.3

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

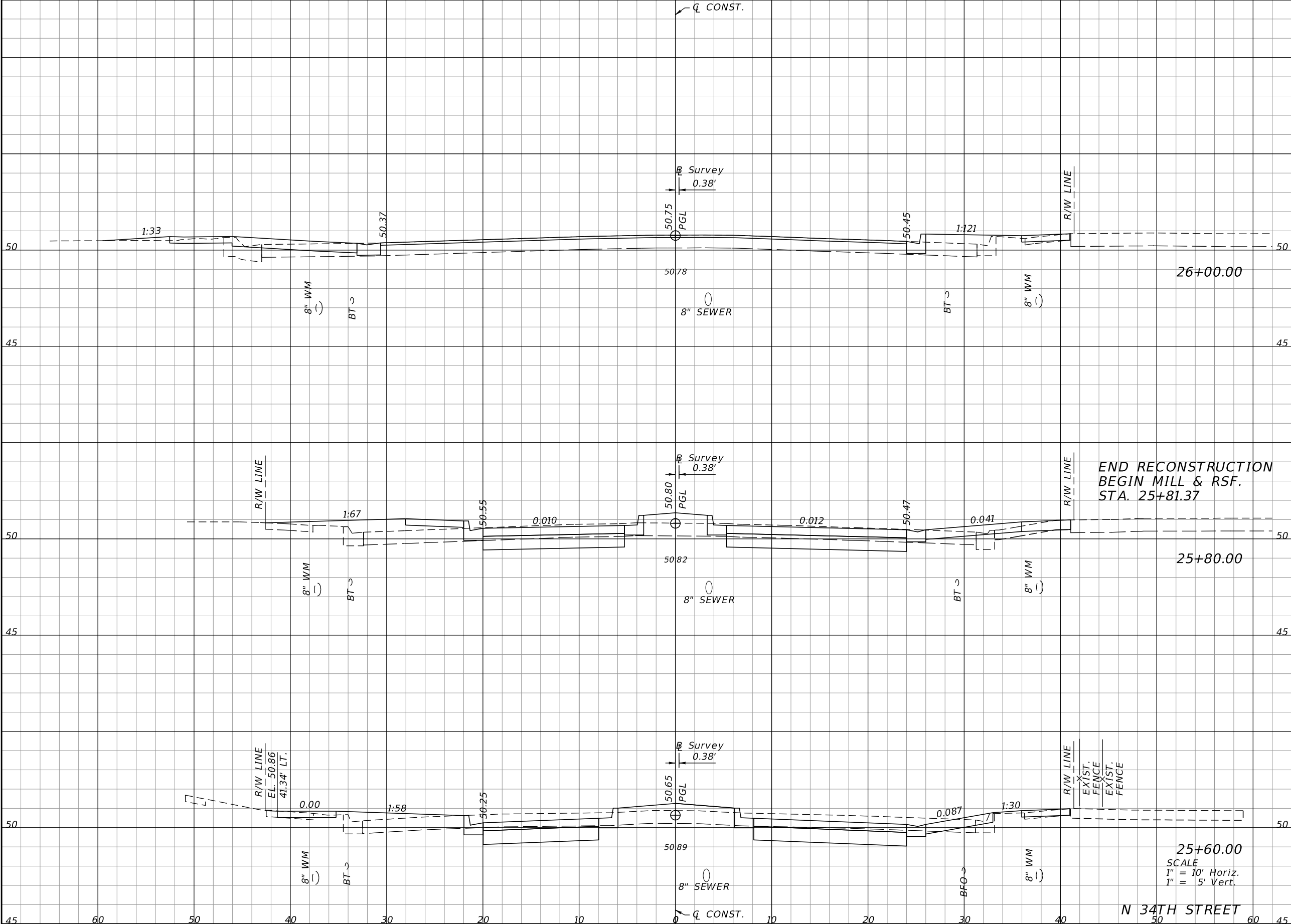
EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
60	

SHEET NO.
60

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



Regular		Exc.	Embankment	
A		V	A	V
5.71		19.4	15.57	15.8
46.65			27.10	
50.79		43.8	25.37	16.5

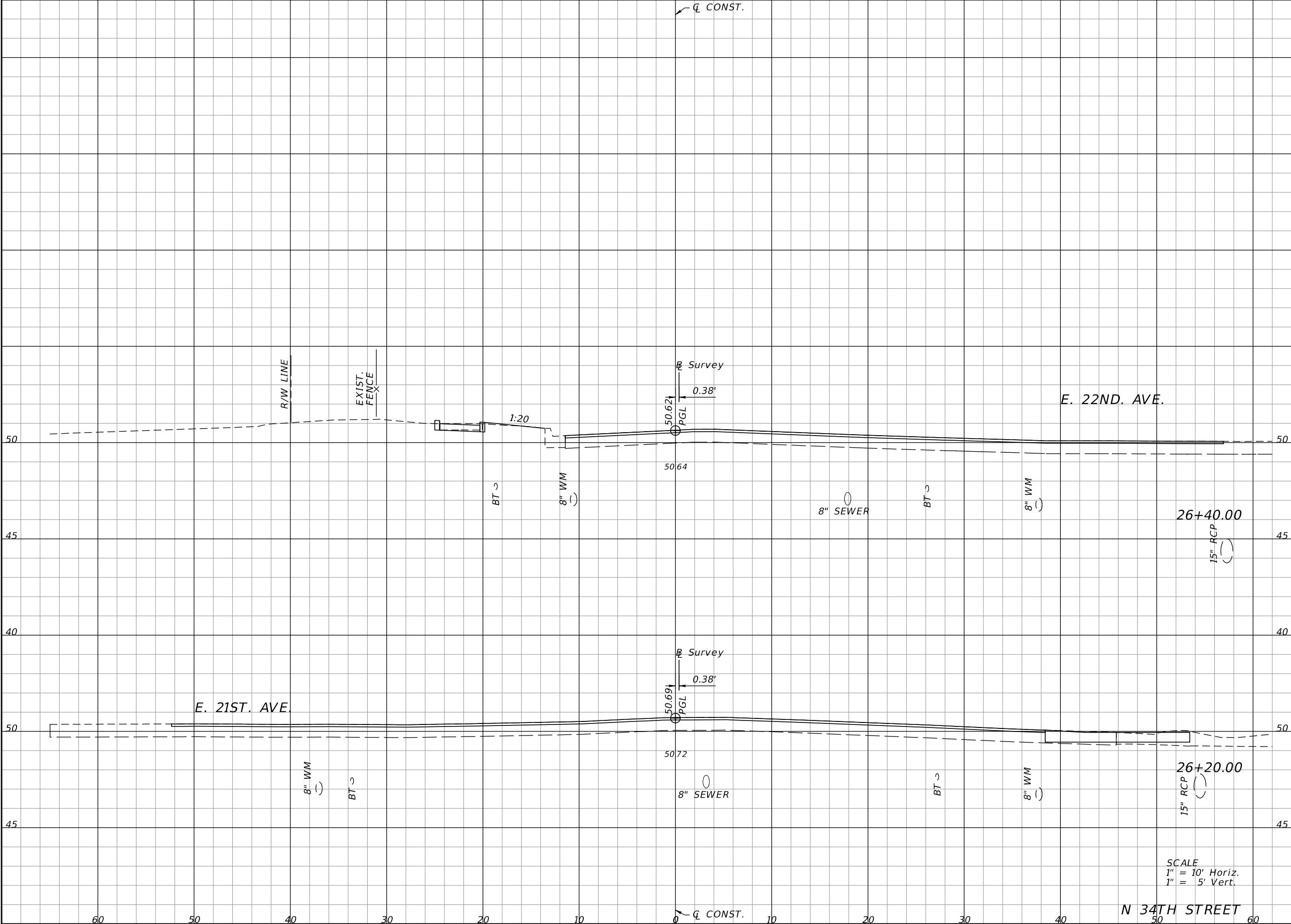
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
61	

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



Regular		Exc.	Embankment	
A	V	A	V	
0.52		1.7	0.18	0.7
4.19		3.7	1.77	6.4

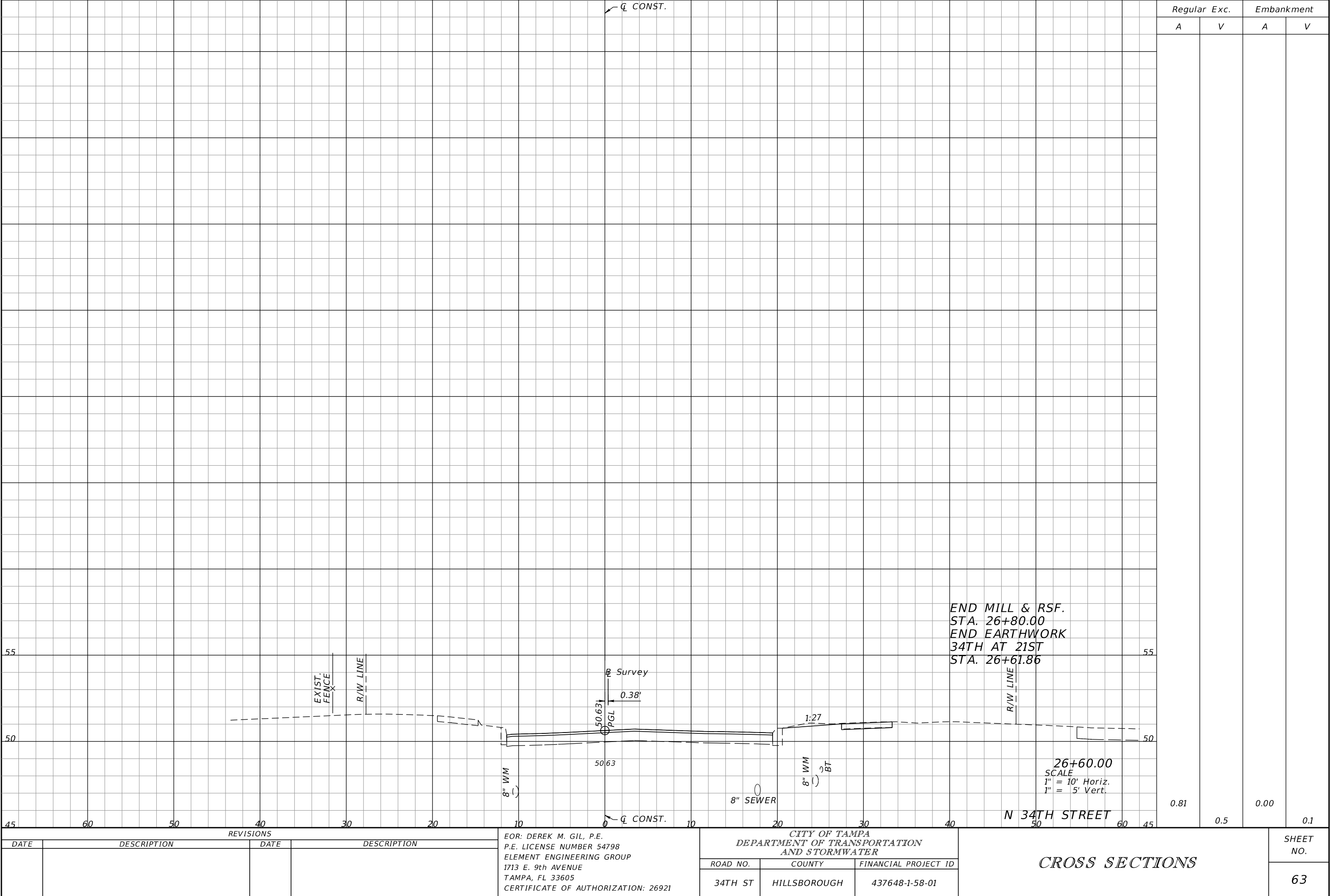
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

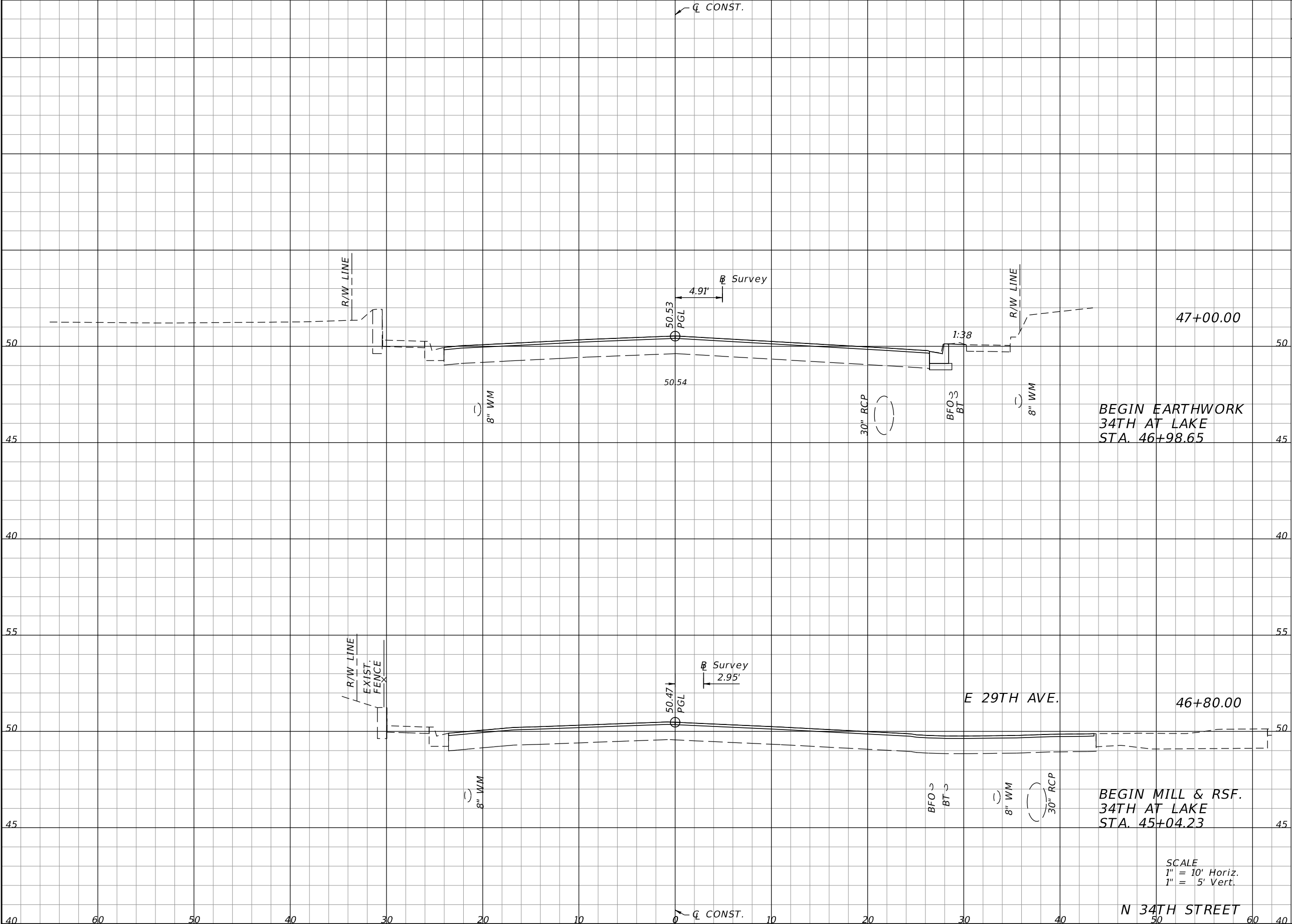
CROSS SECTIONS	
62	

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



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

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					34TH ST	HILLSBOROUGH	437648-1-58-01			63

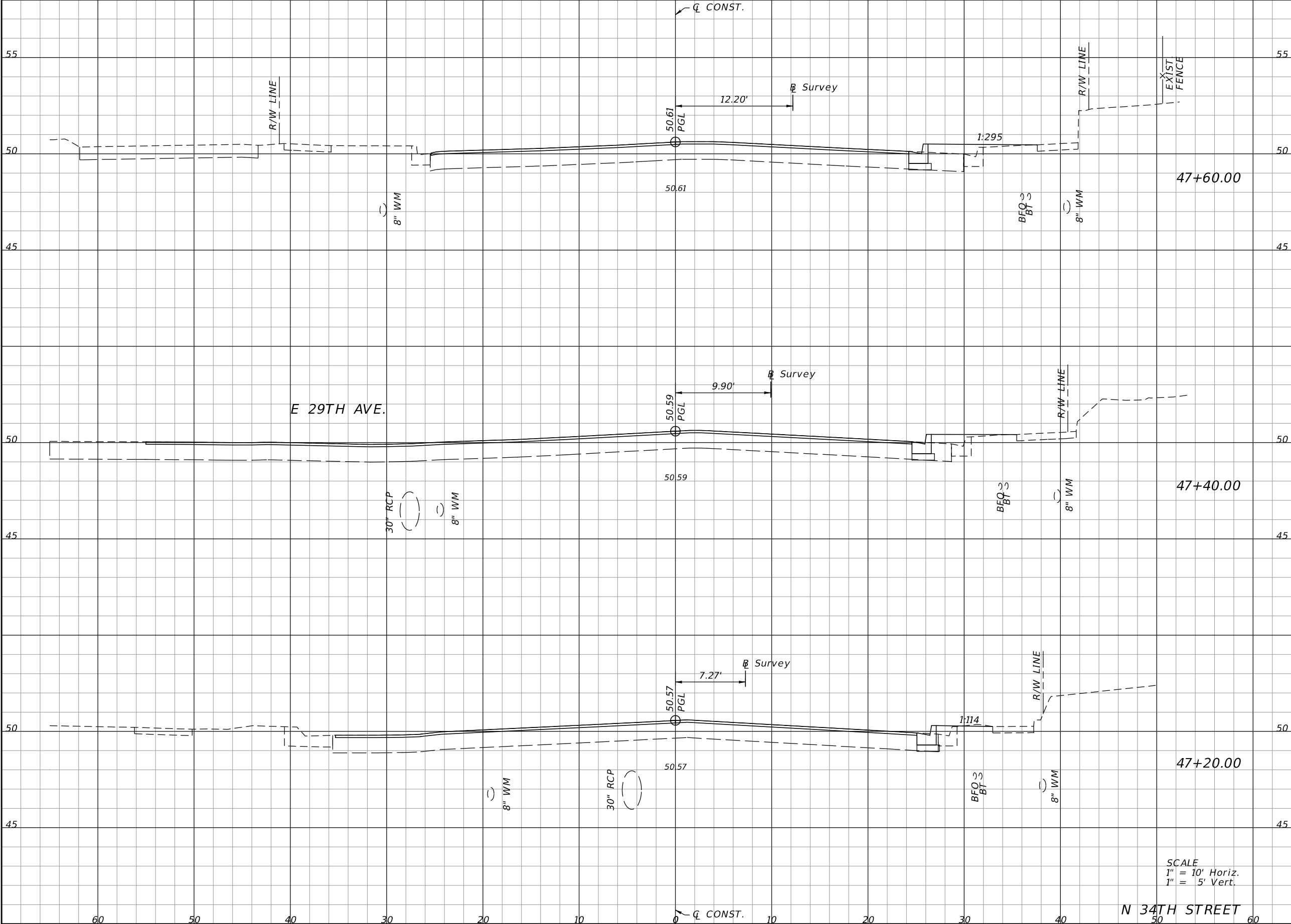


Regular		Exc.	Embankment	
A	V	A	V	
2.29	0.0	0.00	0.0	

REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				34TH ST	HILLSBOROUGH	437648-1-58-01		64

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

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



Regular		Exc.	Embankment	
A		V	A	V
1.98		1.5	7.73	4.8
1.97		1.6	5.35	2.8
2.24		1.7	2.15	0.8

DATE

DESCRIPTION

DATE

DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA
DEPARTMENT OF TRANSPORTATION
AND STORMWATER

ROAD NO.

COUNTY

FINANCIAL PROJECT ID

34TH ST

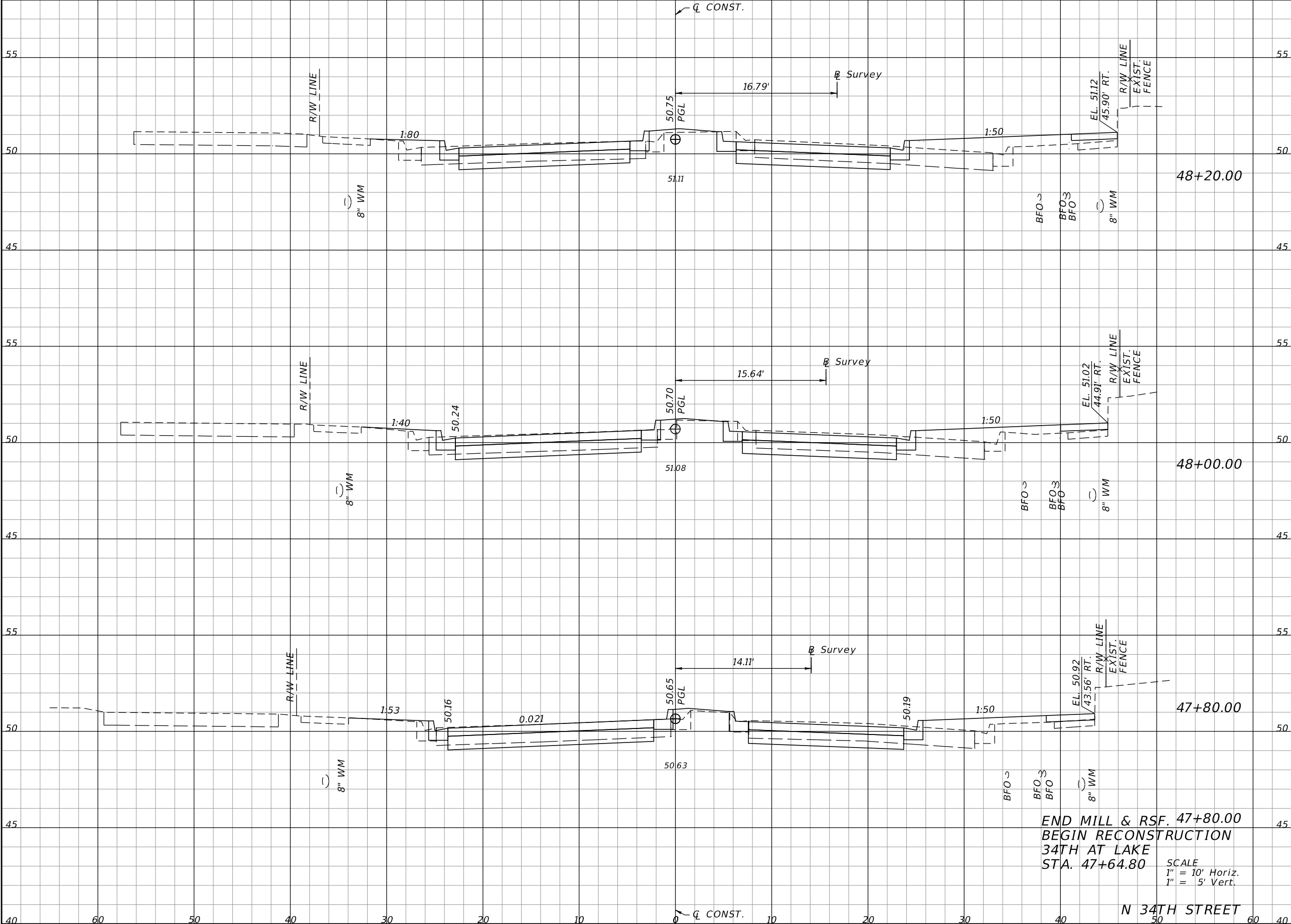
HILLSBOROUGH

437648-1-58-01

CROSS SECTIONS

SHEET NO.
65

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



Regular		Exc.	Embankment	
A		V	A	V
45.55		34.2	30.41	20.1
46.76		34.8	23.95	15.9
47.29		18.2	18.98	9.9

REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS		SHEET NO. 66
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
				34TH ST	HILLSBOROUGH	437648-1-58-01			

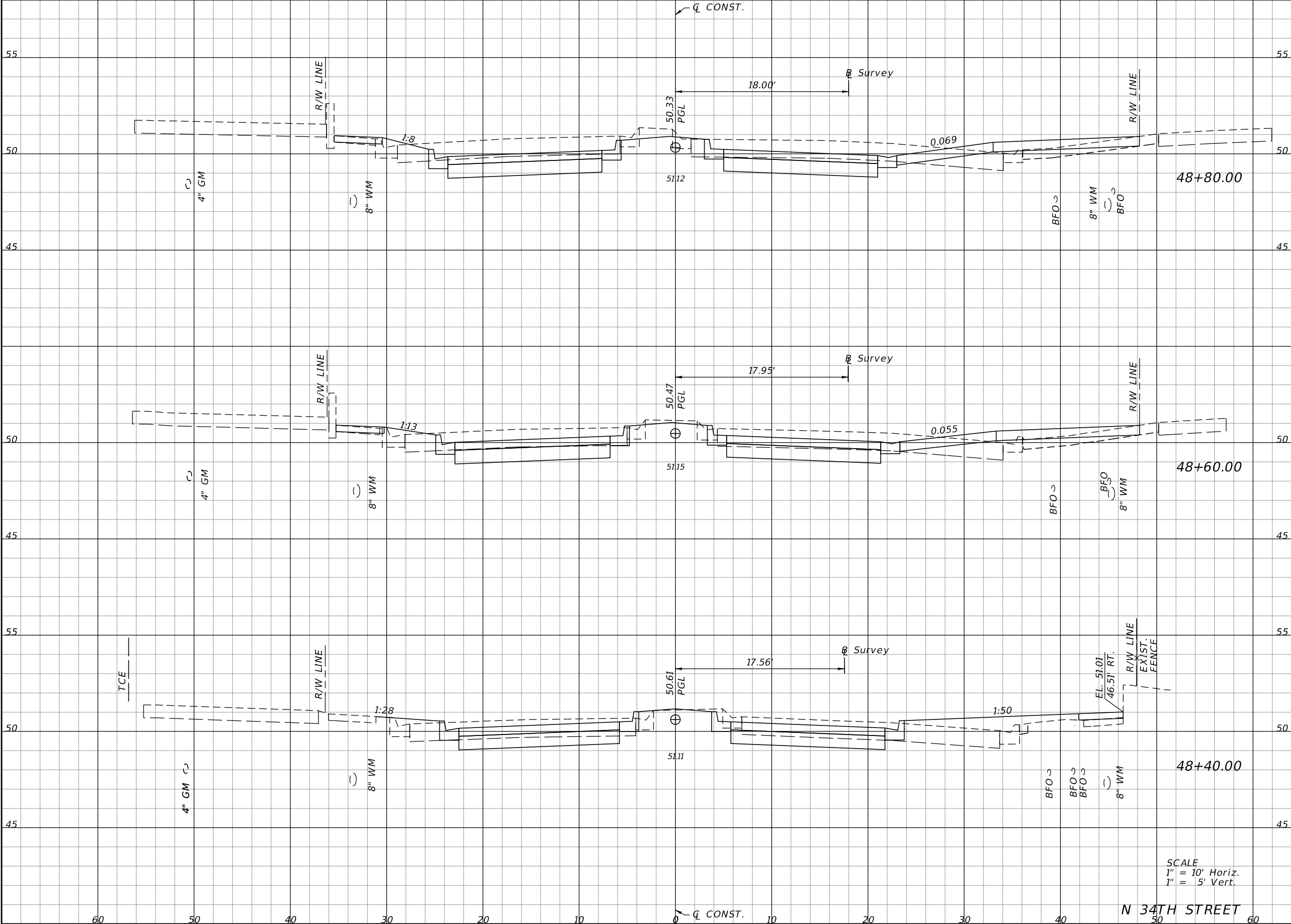
EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

END MILL & RSF. 47+80.00
BEGIN RECONSTRUCTION
34TH AT LAKE
STA. 47+64.80

SCALE
1" = 10' Horiz.
1" = 5' Vert.

N 34TH STREET

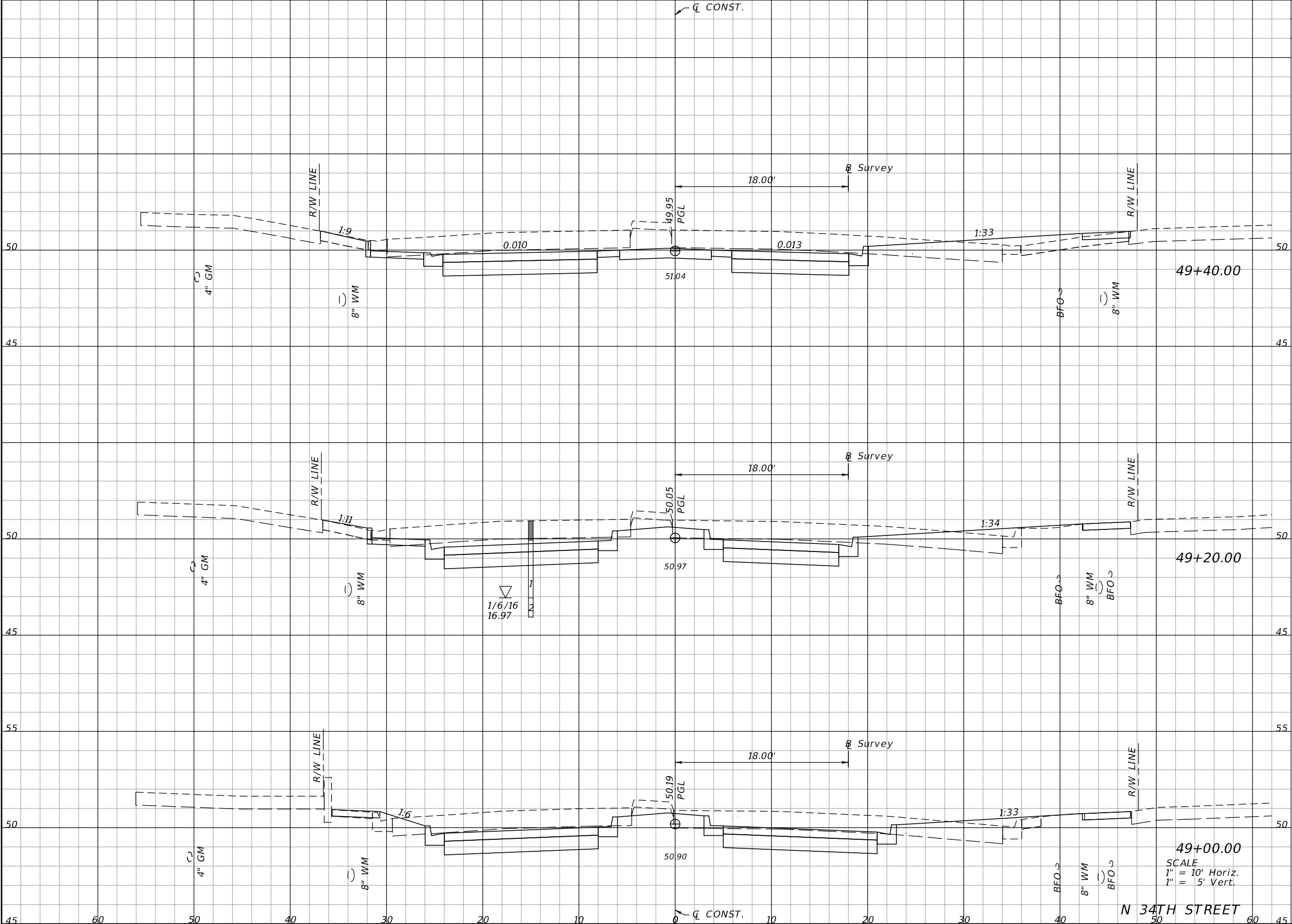
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V
73.96		51.2	18.61	14.2
64.25		42.9	19.66	17.5
51.66		36.0	27.67	21.5

REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS		SHEET NO. 67
DATE	DESCRIPTION	DATE	DESCRIPTION						
				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			ROAD NO. 34TH ST	COUNTY HILLSBOROUGH	FINANCIAL PROJECT ID 437648-1-58-01

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



Regular		Exc.	Embankment	
A	V	A	V	
95.64		23.56		
	67.6		16.4	
86.83		20.61		
	62.3		15.7	
81.48		21.68		
	57.6		14.9	

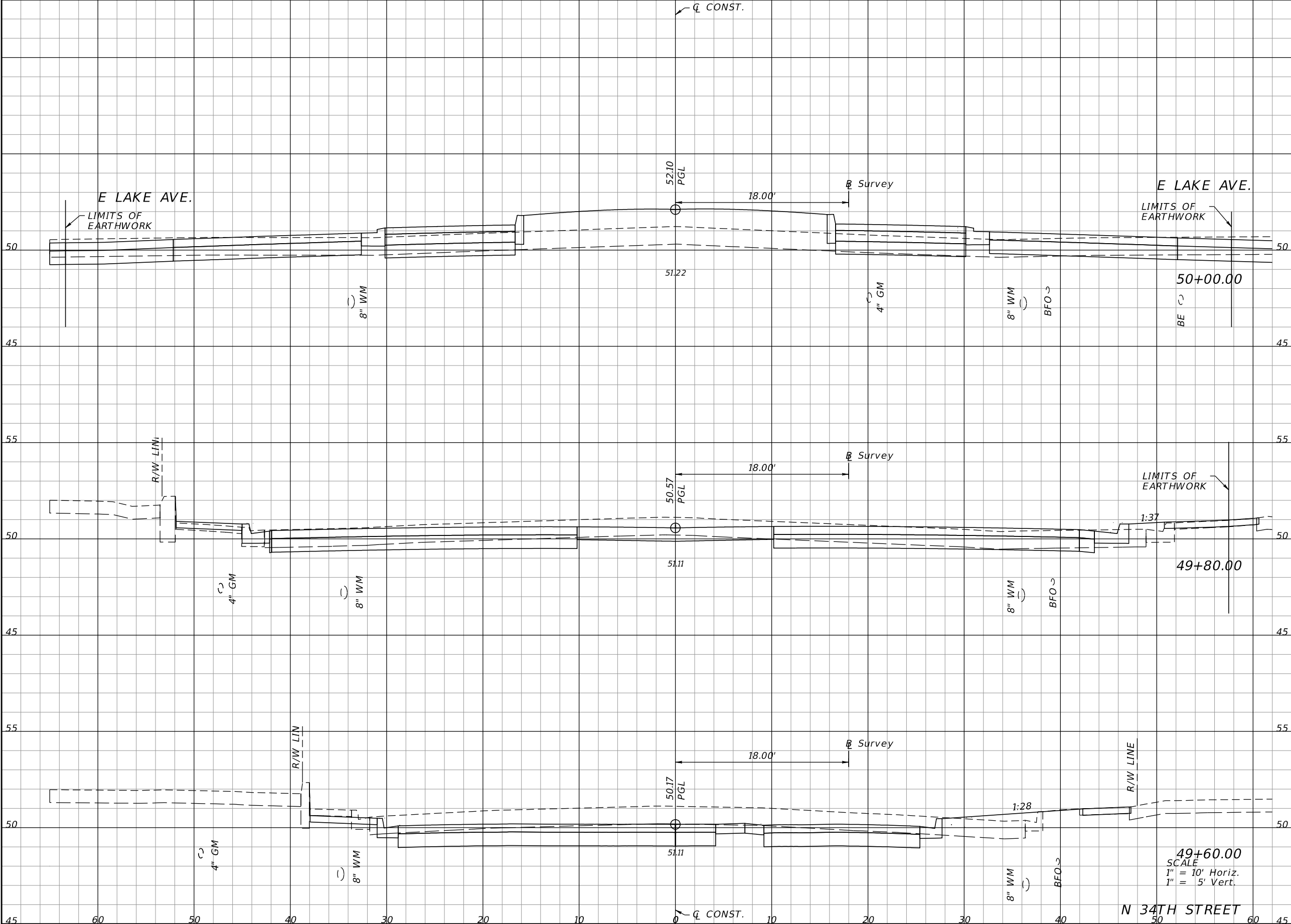
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
68	

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



Regular		Exc.	Embankment	
A	V	A	V	
89.30	71.6	63.60	26.2	
104.00	77.7	7.16	7.3	
105.72	74.6	12.57	13.4	

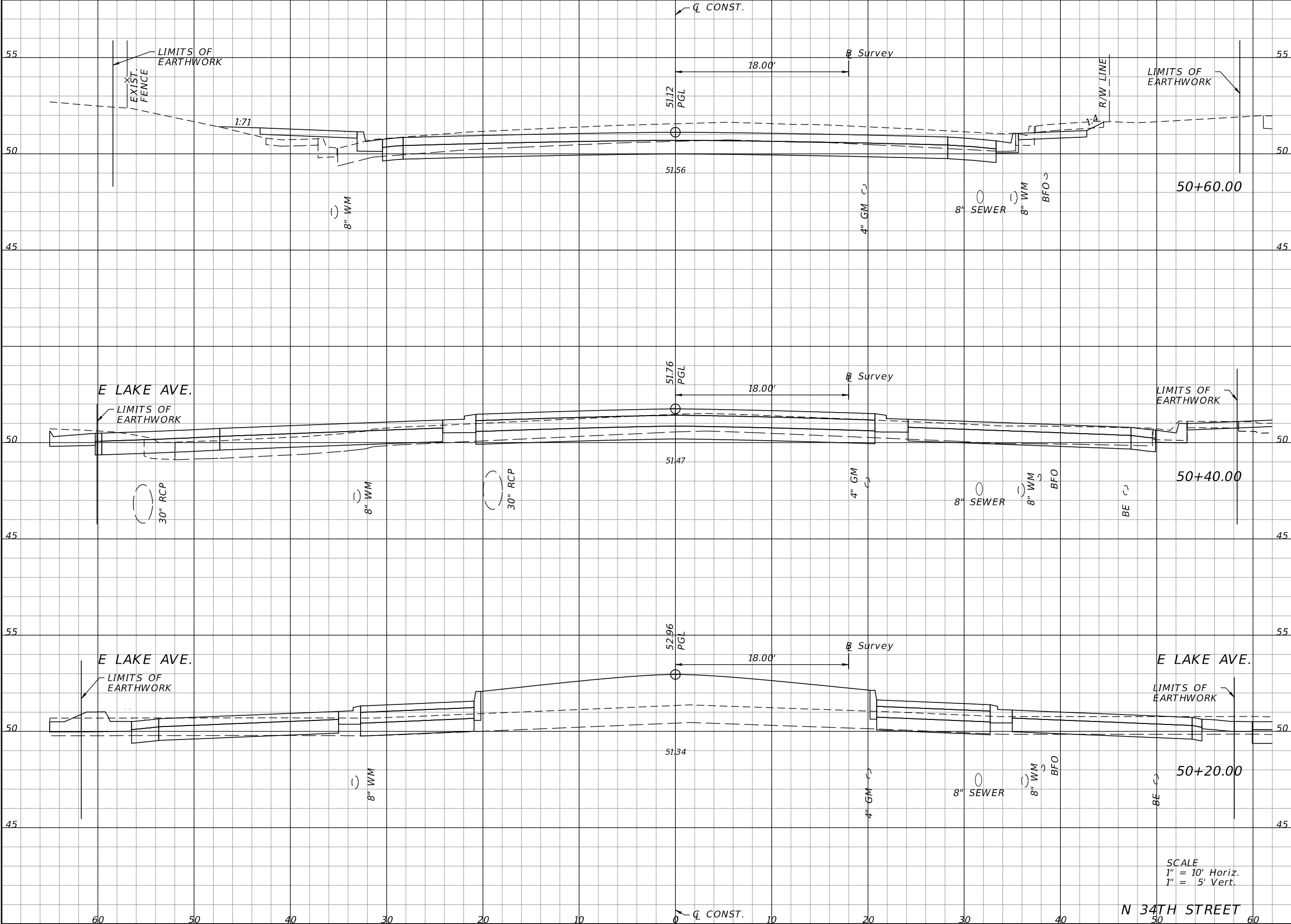
REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
69	

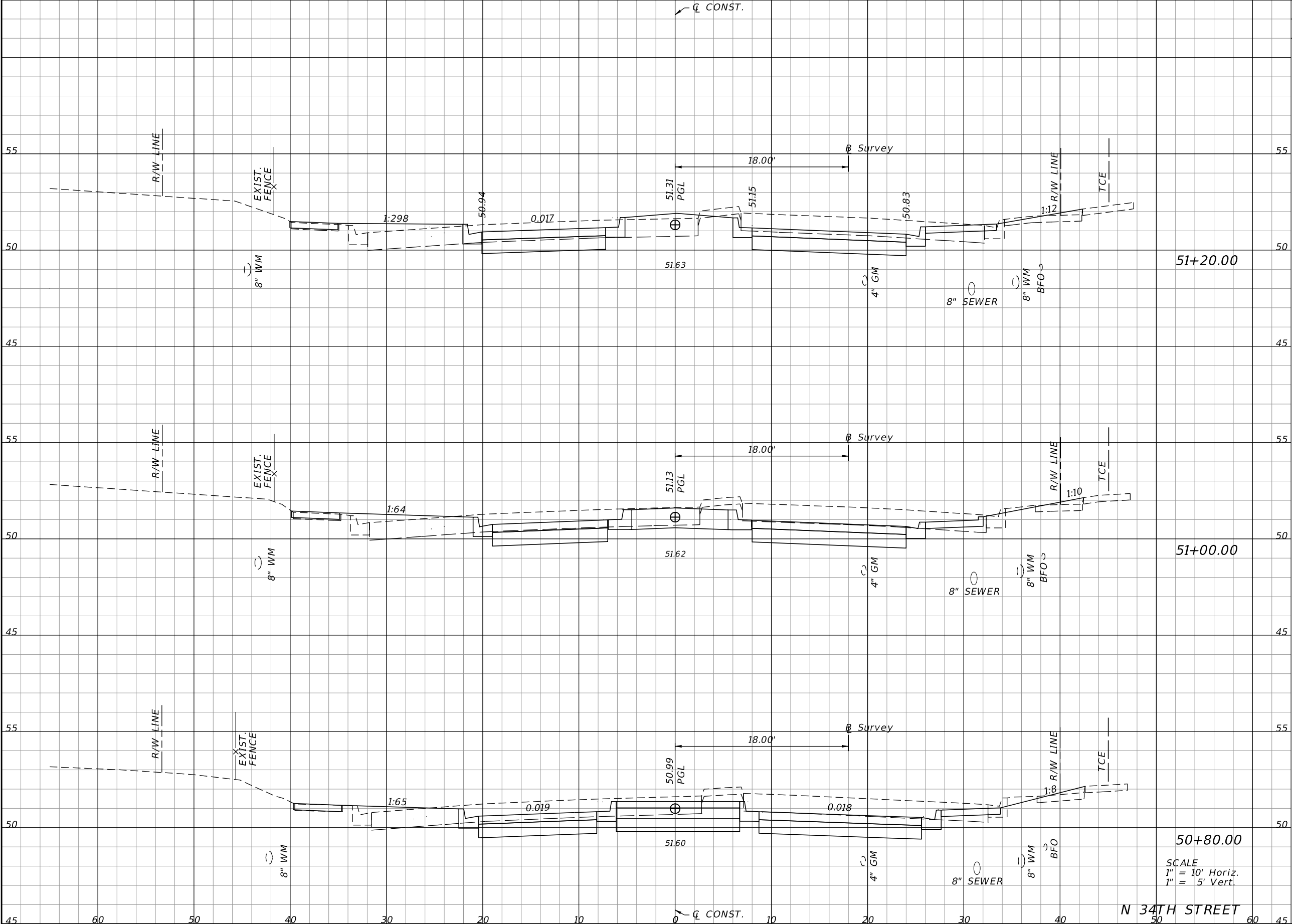
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V
99.91		75.5	10.40	8.3
103.85		64.6	12.06	41.4
70.69		59.3	99.83	60.5

REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			34TH ST HILLSBOROUGH 437648-1-58-01		70

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



Regular		Exc.	Embankment	
A		V	A	V
61.17		52.1	30.11	19.3
79.47		64.2	22.01	13.8
93.90		71.8	15.24	9.5

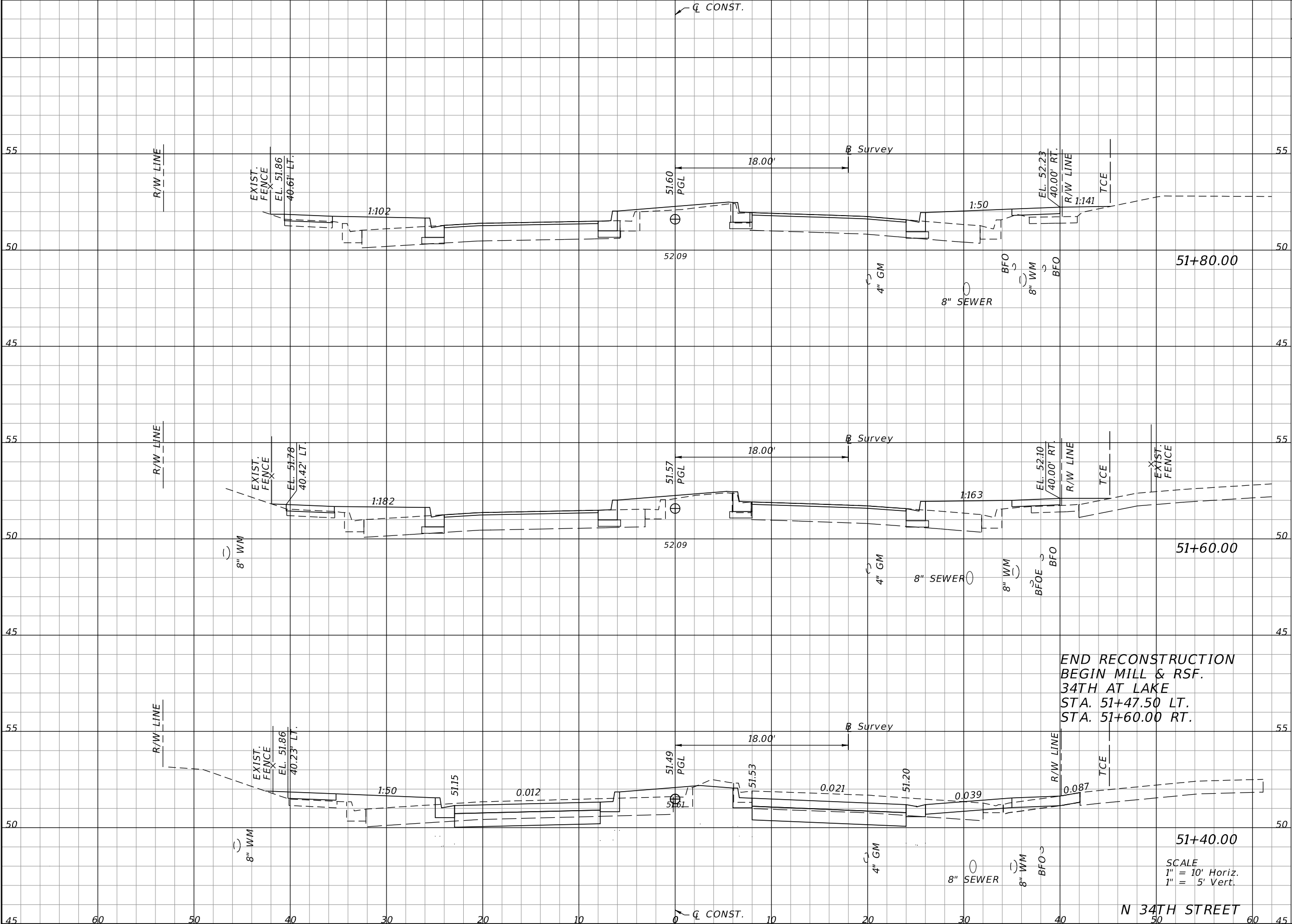
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
71	

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



Regular		Exc.	Embankment	
A		V	A	V
6.69		4.9	34.44	27.0
6.44		22.2	38.38	25.2
53.39		42.4	29.73	22.2

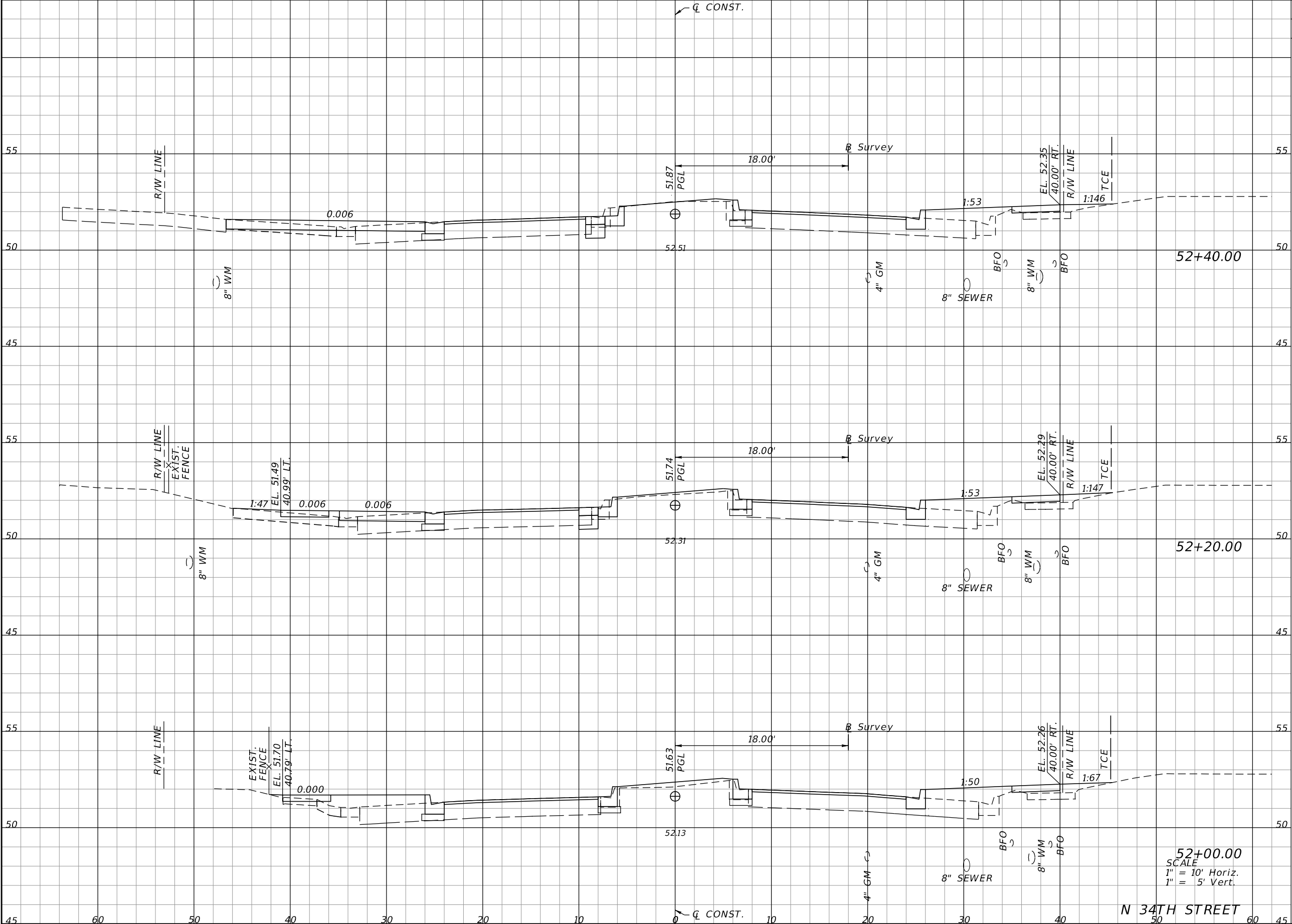
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
72	

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



Regular		Exc.	Embankment	
A		V	A	V
9.63		7.0	22.50	18.2
9.15		5.2	26.56	22.0
4.95		4.3	32.90	24.9

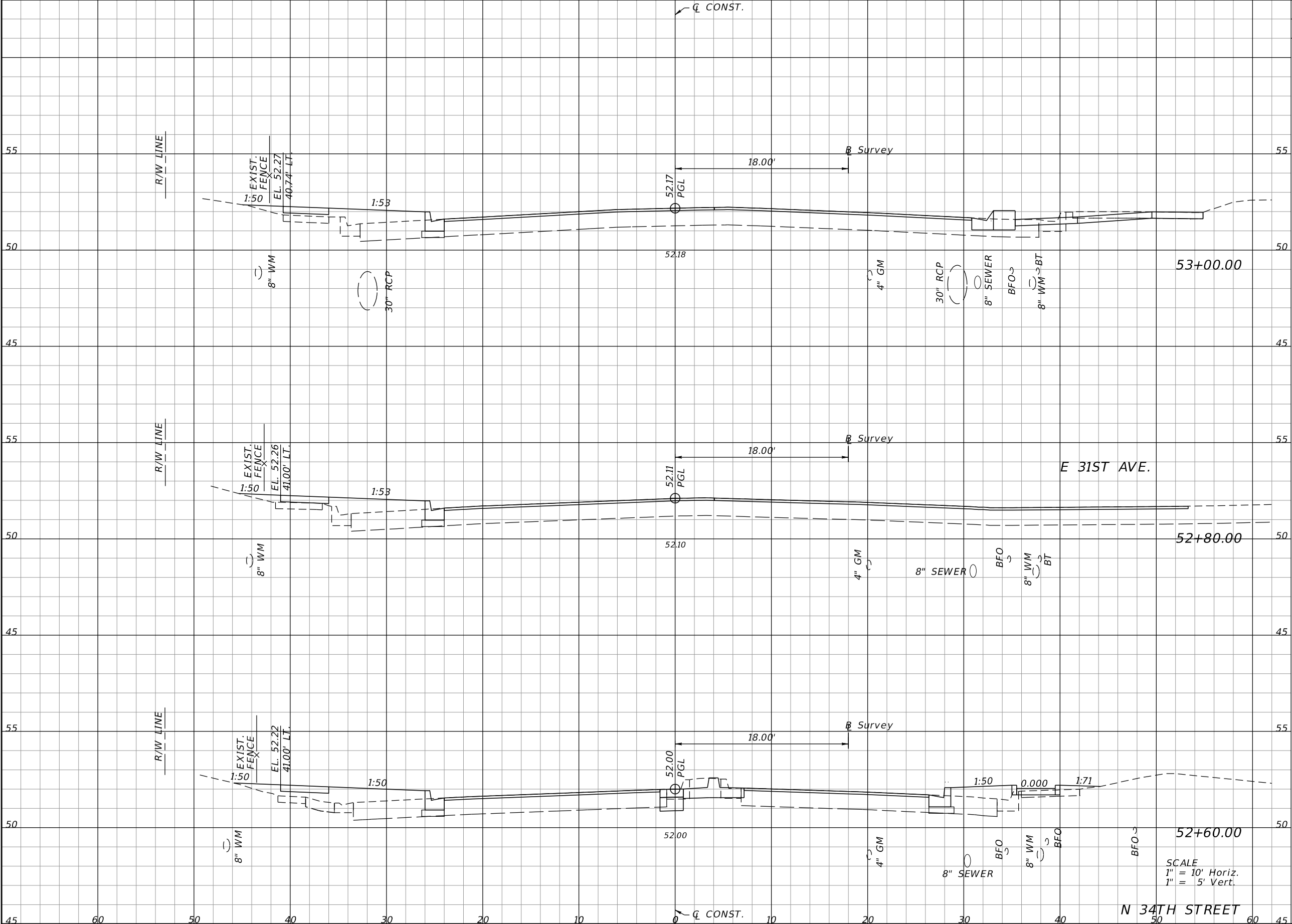
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
73	

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



Regular		Exc.	Embankment	
A		V	A	V
6.95		3.3	20.65	14.1
1.97		4.2	17.50	18.0
9.48		7.1	31.21	19.9

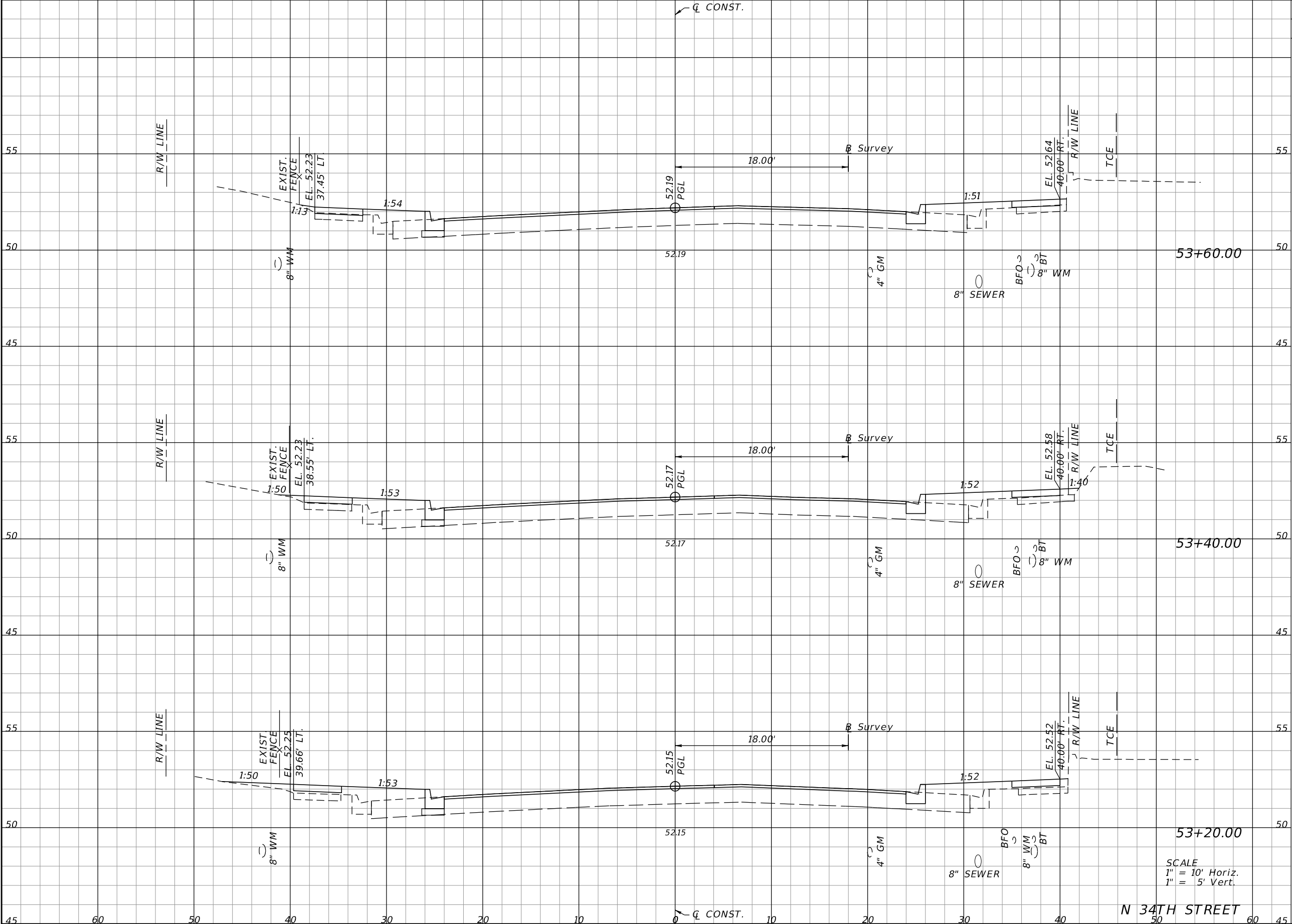
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
74	

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



Regular		Exc.	Embankment	
A		V	A	V
3.18		2.4	21.63	17.3
3.18		2.4	25.02	19.8
3.17		3.7	28.38	18.2

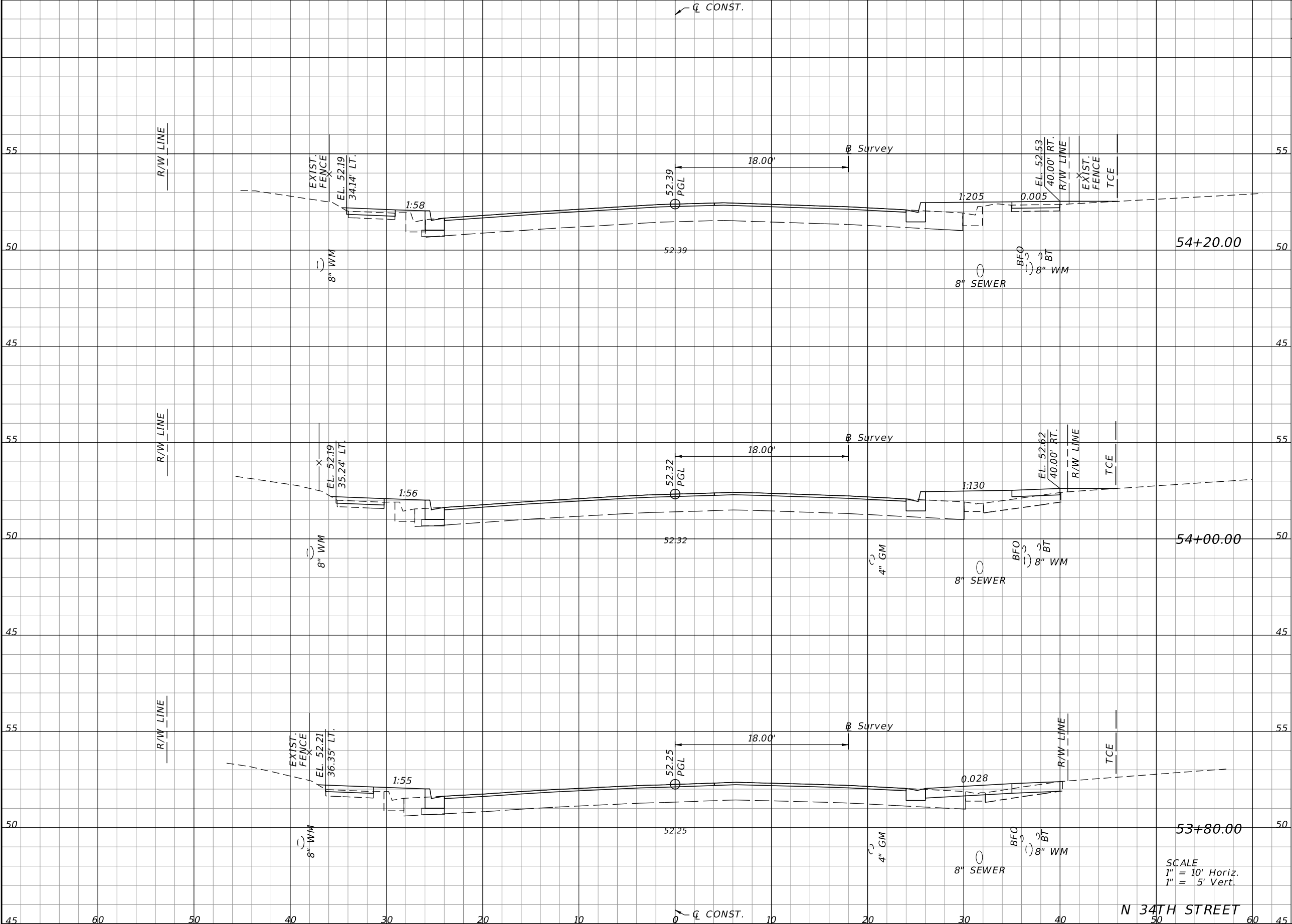
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
75	

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



Regular		Exc.	Embankment	
A		V	A	V
3.10		2.6	13.62	12.0
4.05		3.3	18.75	11.5
4.84		3.0	12.31	12.6

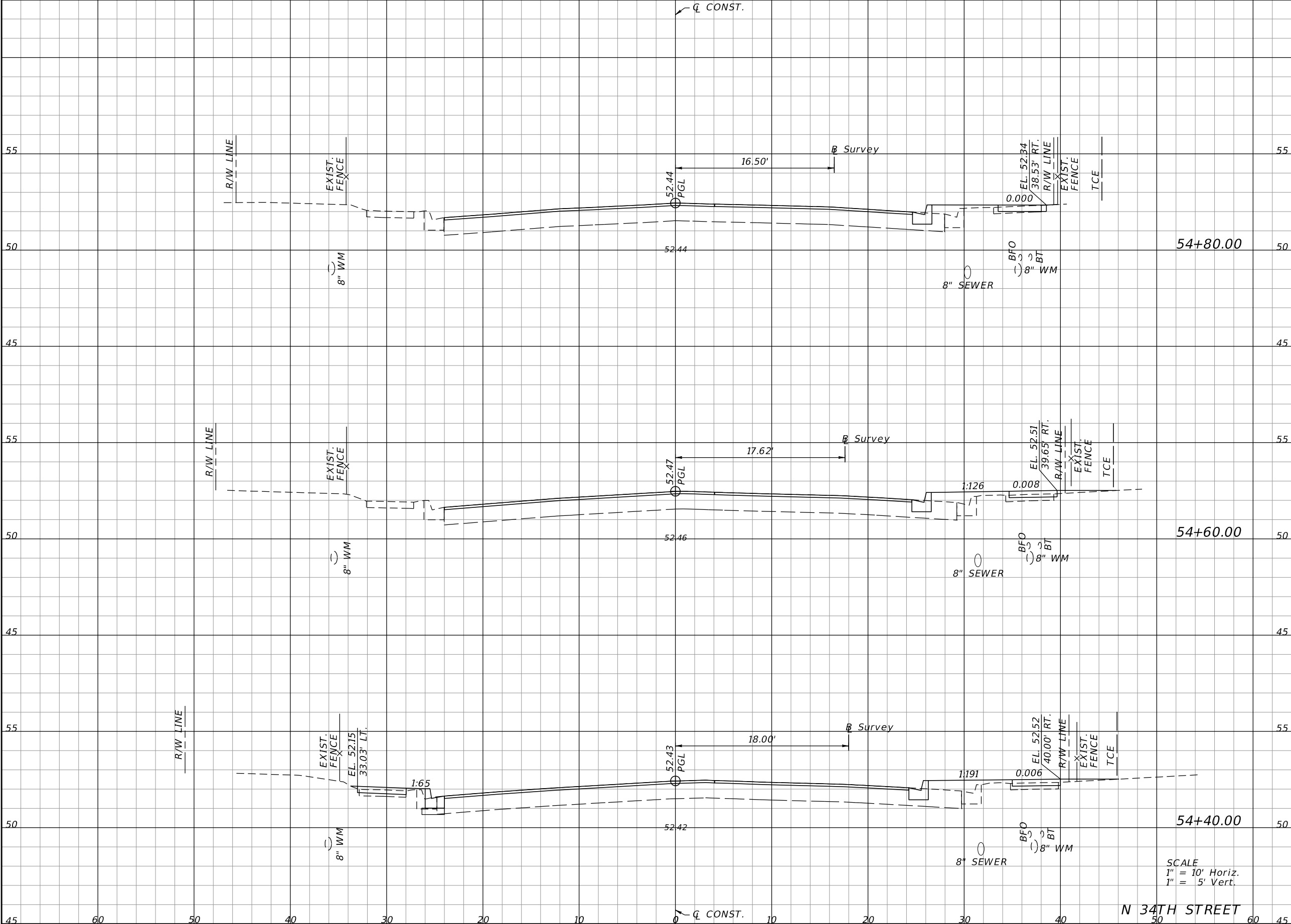
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS		SHEET NO.
		76

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



Regular		Exc.	Embankment	
A		V	A	V
1.36		1.0	5.79	5.5
1.25		1.4	9.06	7.7
2.45		2.1	11.80	9.4

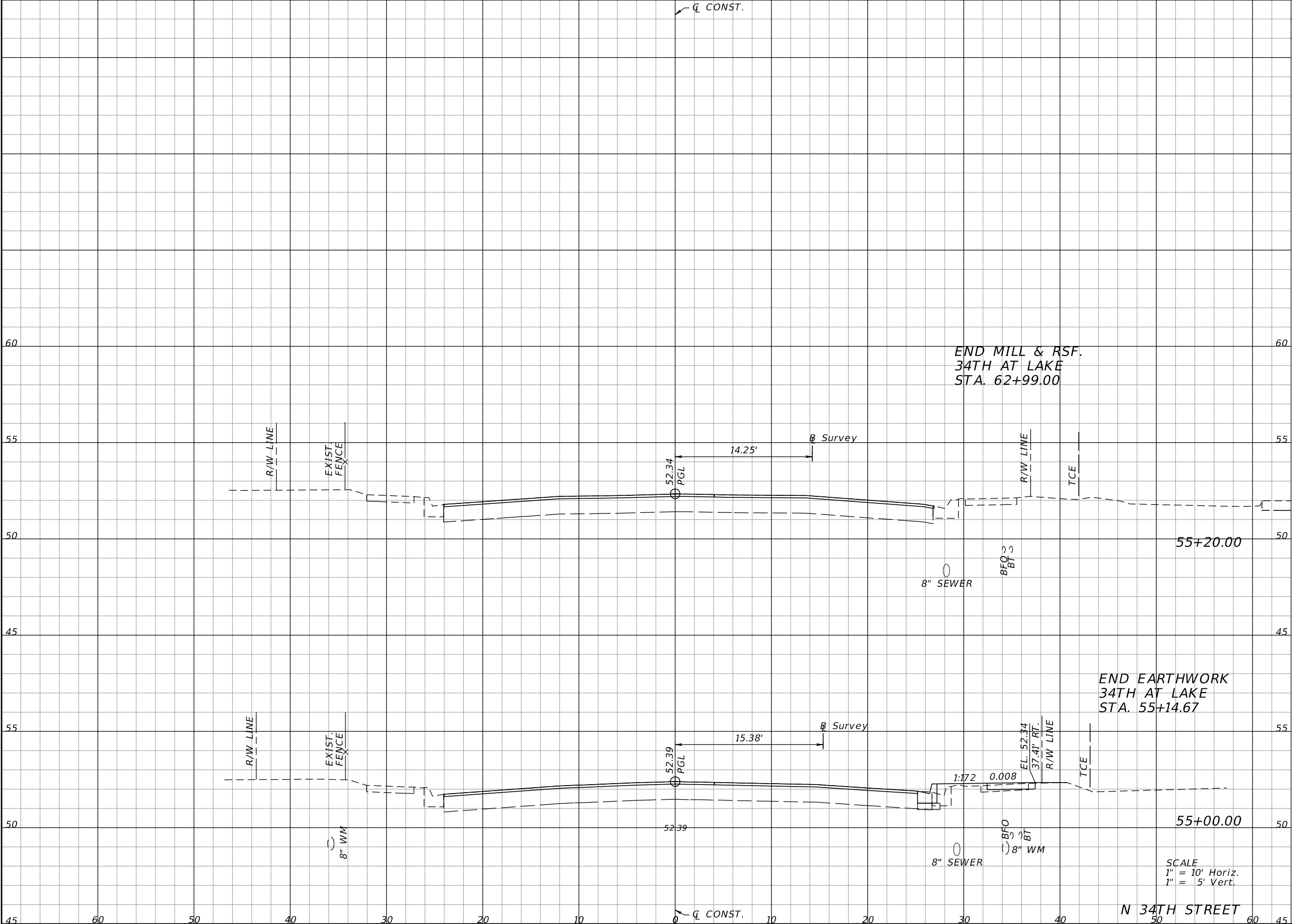
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
77	

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



Regular		Exc.	Embankment	
A		V	A	V
1.77		1.2	2.70	3.1

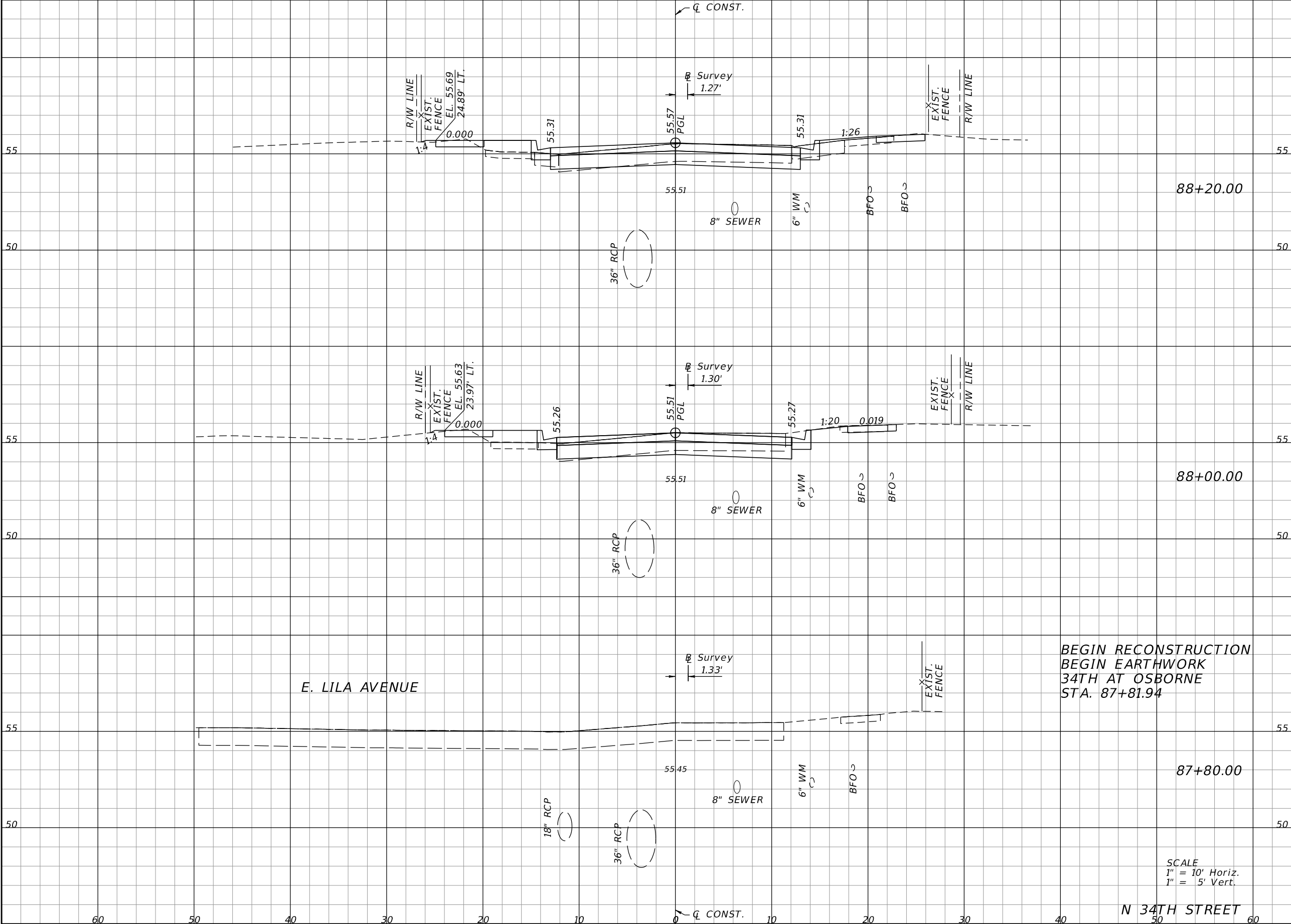
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS		SHEET NO.
		78

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

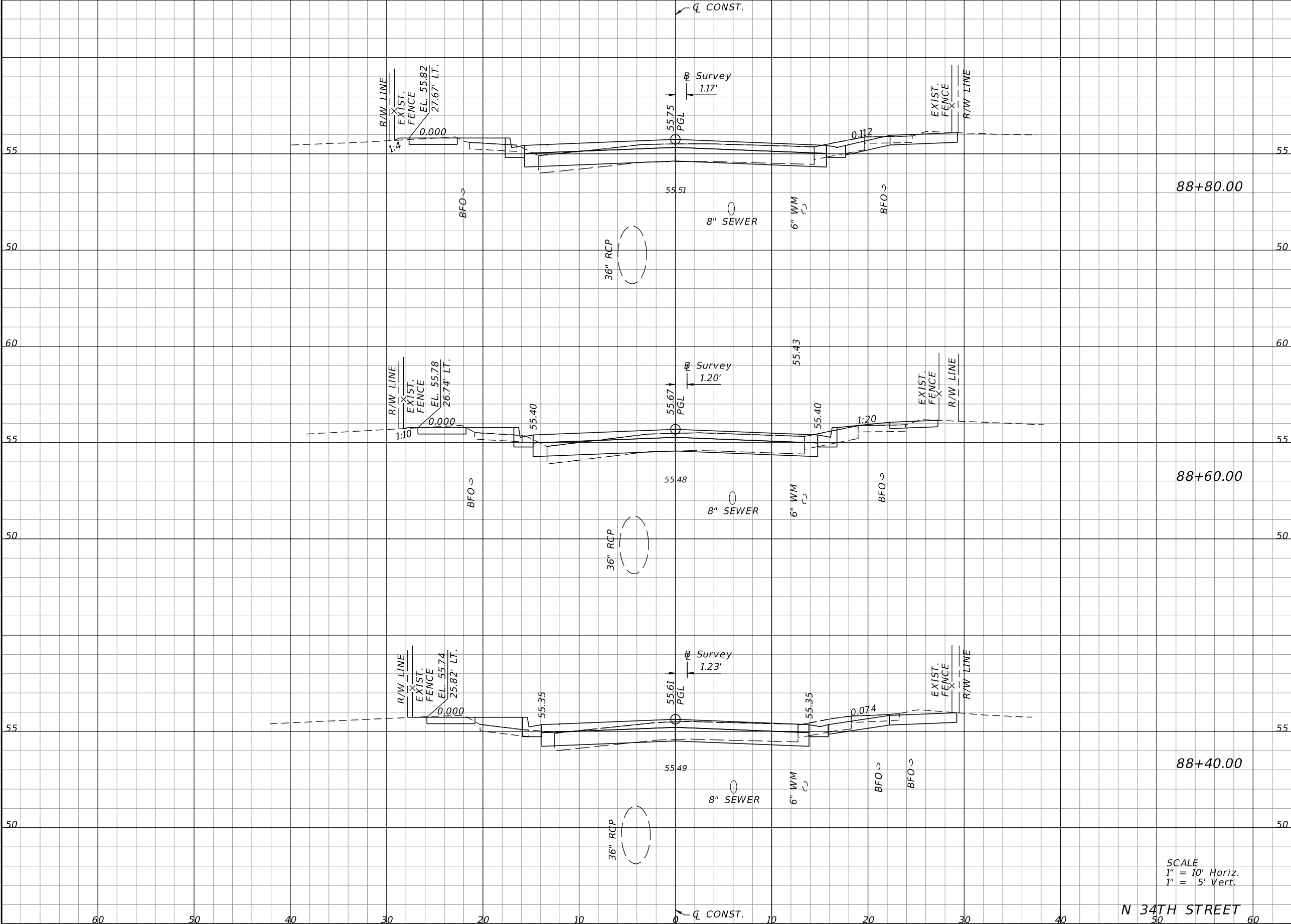


Regular		Exc.	Embankment	
A		V	A	V
		31.56	9.02	5.3
		23.0		
		30.61	5.33	0.0
		0.0		

REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS	SHEET NO. 79
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				34TH ST	HILLSBOROUGH	437648-1-58-01		

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

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



Regular		Exc.	Embankment	
A		V	A	V
36.54	88+80.00	25.2	4.58	4.7
31.47	88+60.00	25.6	8.11	4.8
37.63	88+40.00	25.6	4.98	5.2

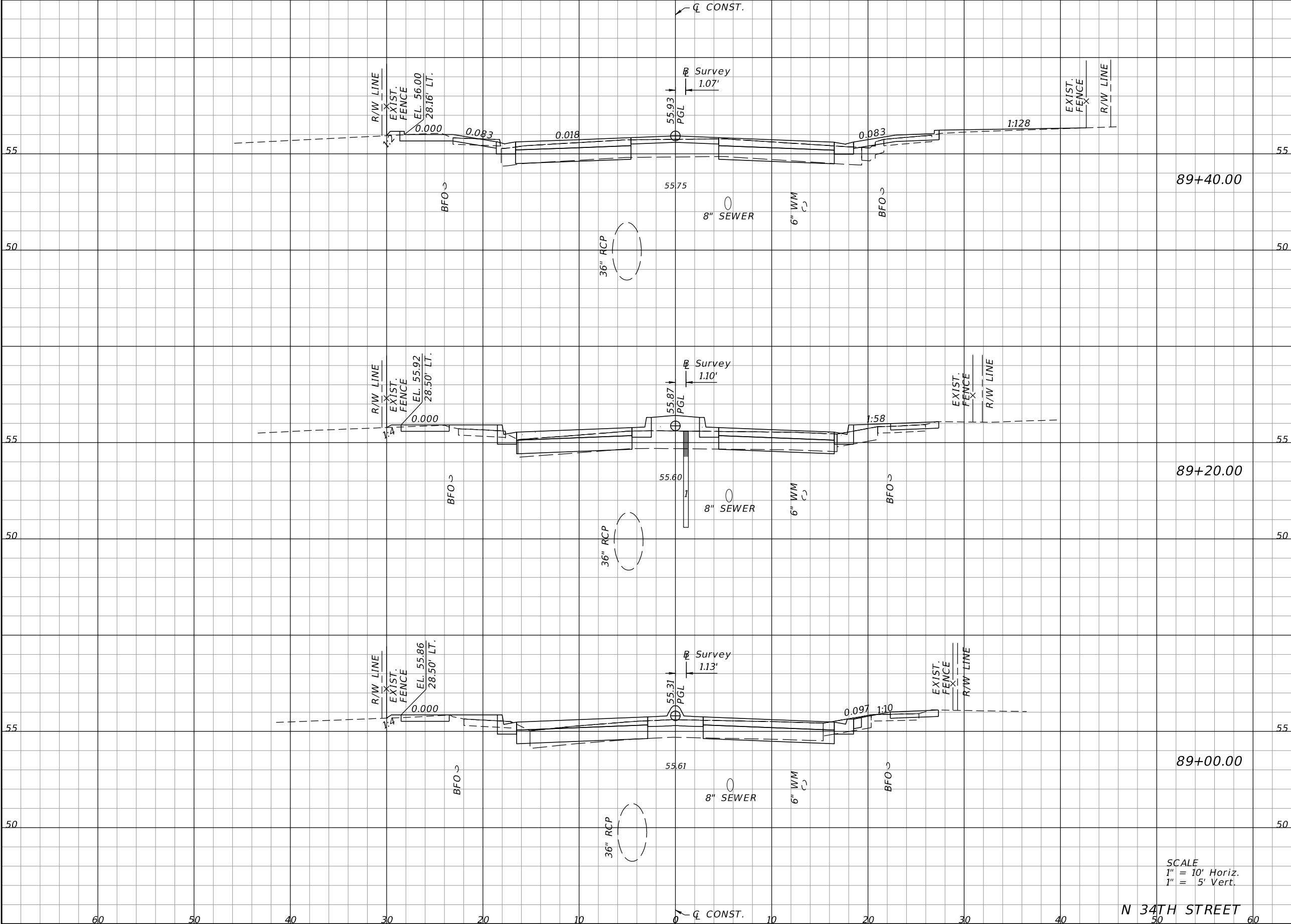
REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO. 80
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				34TH ST	HILLSBOROUGH	437648-1-58-01	

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

SCALE
1" = 10' Horiz.
1" = 5' Vert.

N 34TH STREET

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



Regular		Exc.	Embankment	
A		V	A	V
29.69		21.0	12.57	11.3
27.04		21.7	17.93	10.0
31.47		25.2	9.05	5.0

SCALE
1" = 10' Horiz.
1" = 5' Vert.

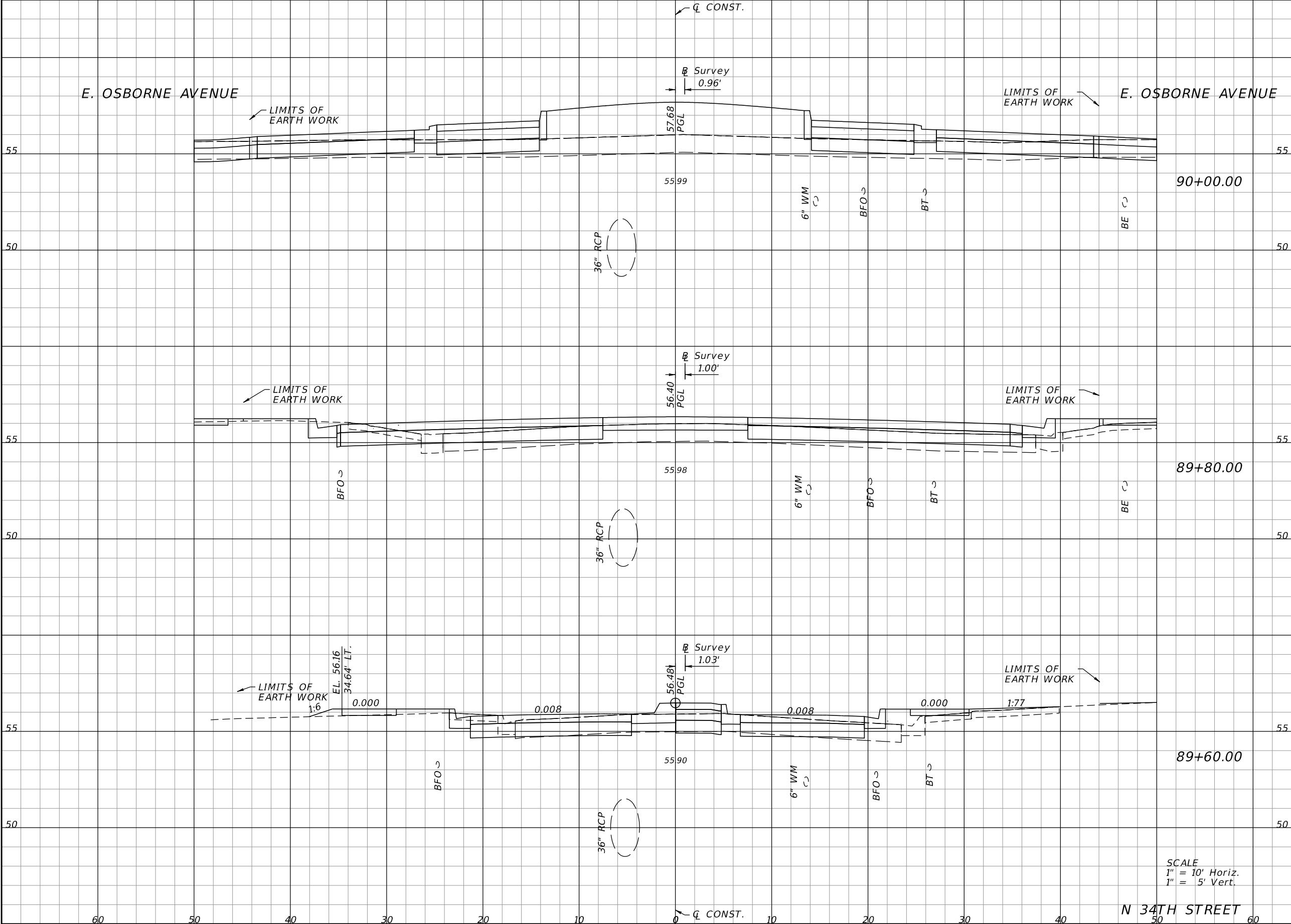
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
81	

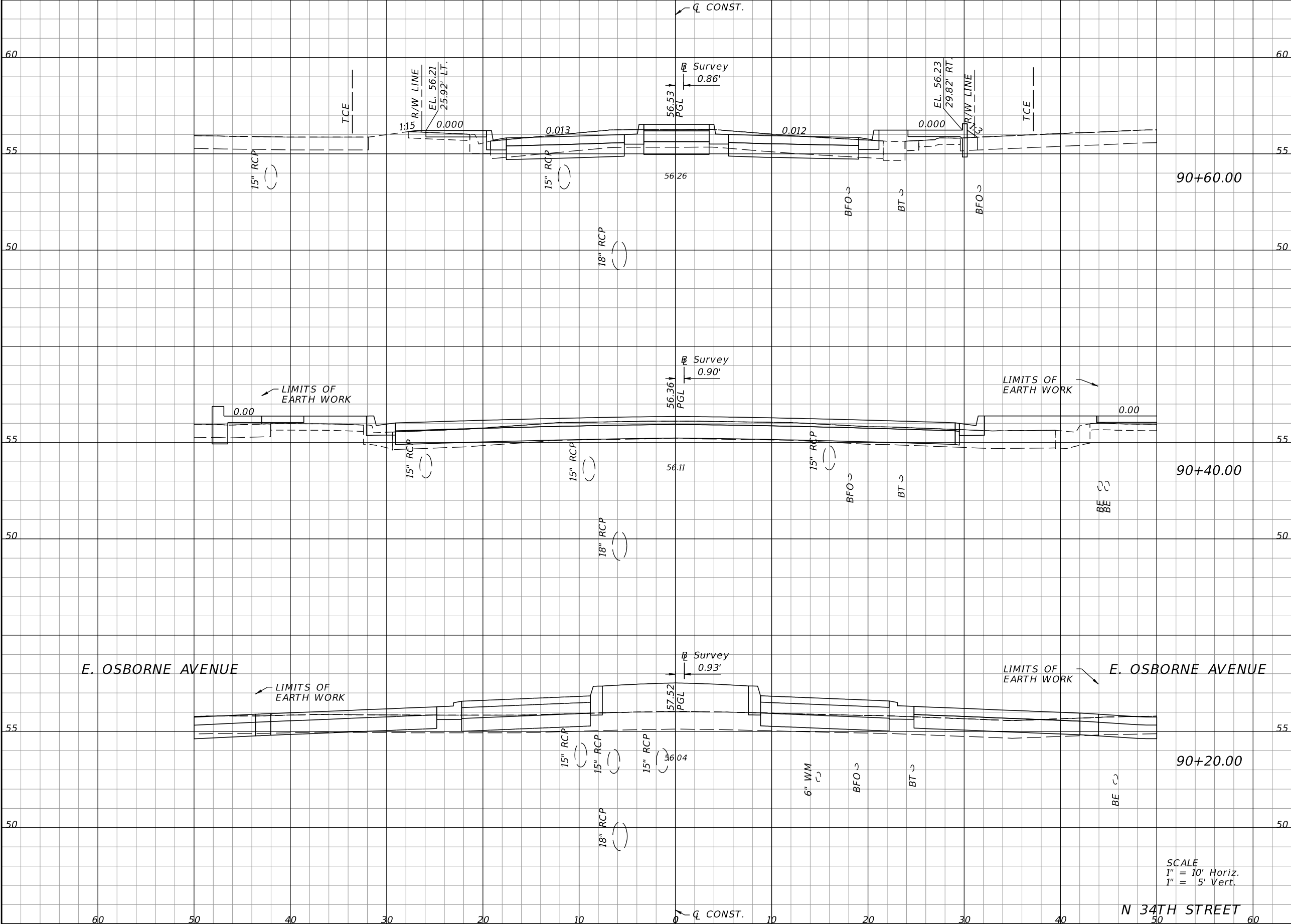
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V
40.15		29.7	83.80	43.0
40.16		28.2	32.27	18.5
35.91		24.3	17.79	11.2

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		82
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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

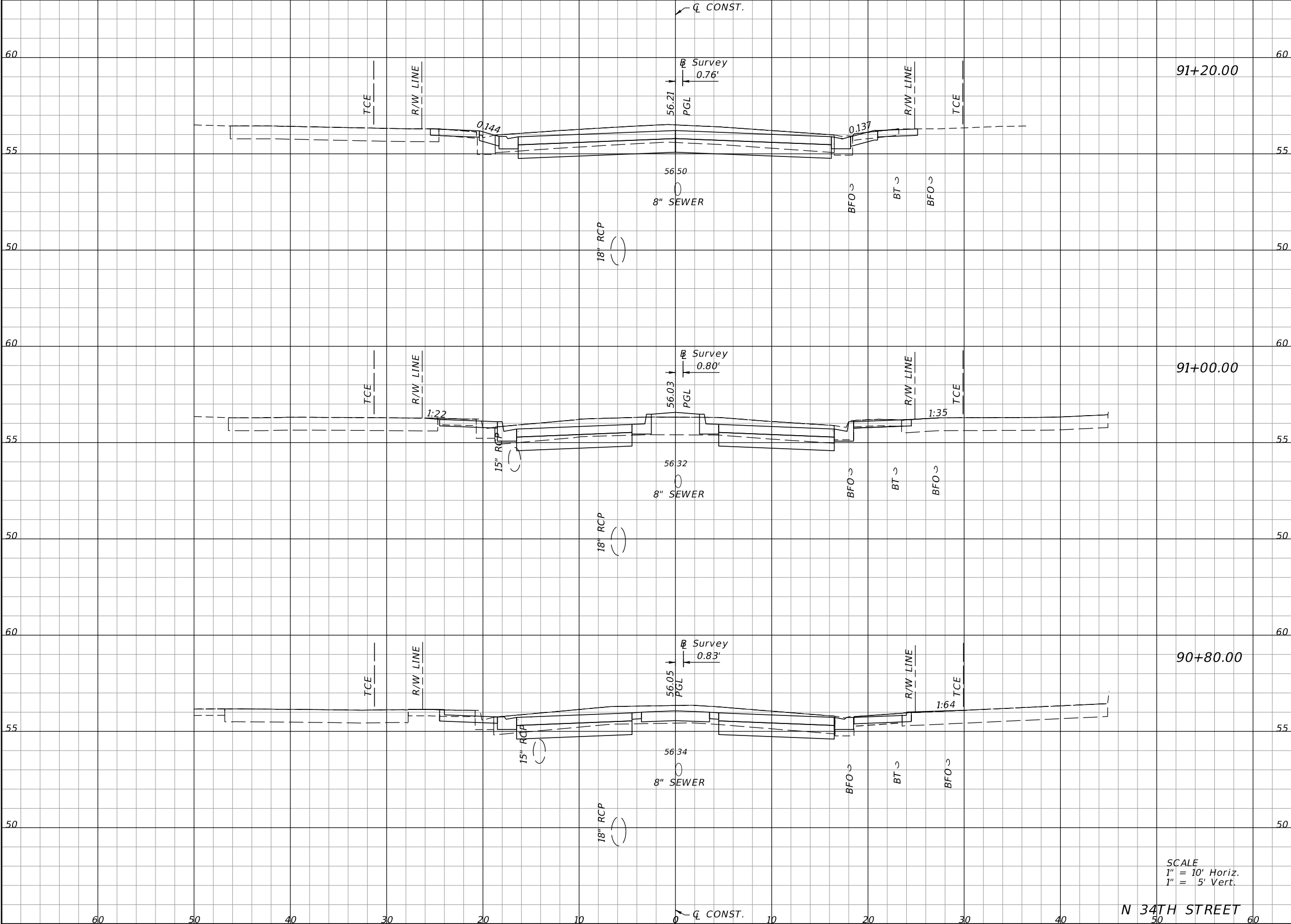


Regular	Exc.	Embankment	
		A	V
44.89	34.8	13.02	17.8
49.07	36.9	35.13	32.4
50.44	33.6	52.43	50.5

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		
									83

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

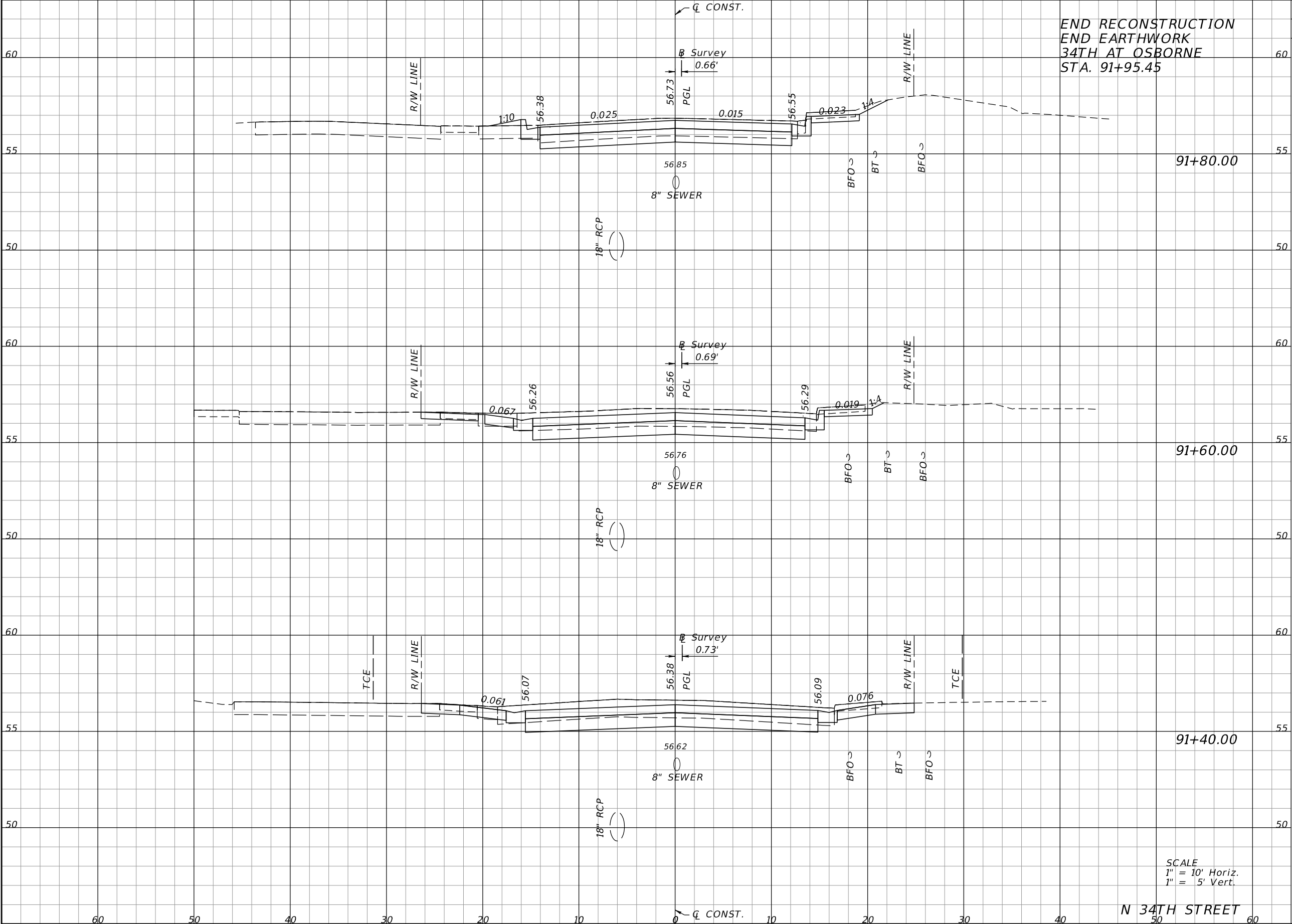
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V
47.94	60	32.6	2.49	3.8
40.16	60	30.6	7.73	4.8
42.33	60	32.3	5.13	6.7

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		84

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



END RECONSTRUCTION
END EARTHWORK
34TH AT OSBORNE
STA. 91+95.45

91+80.00

91+60.00

91+40.00

N 34TH STREET

SCALE
1" = 10' Horiz.
1" = 5' Vert.

Regular		Exc.		Embankment	
A	V	A	V	A	V
37.69	31.3	3.55	1.7		
46.82	35.9	0.97	0.6		
50.12	36.3	0.54	1.1		

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

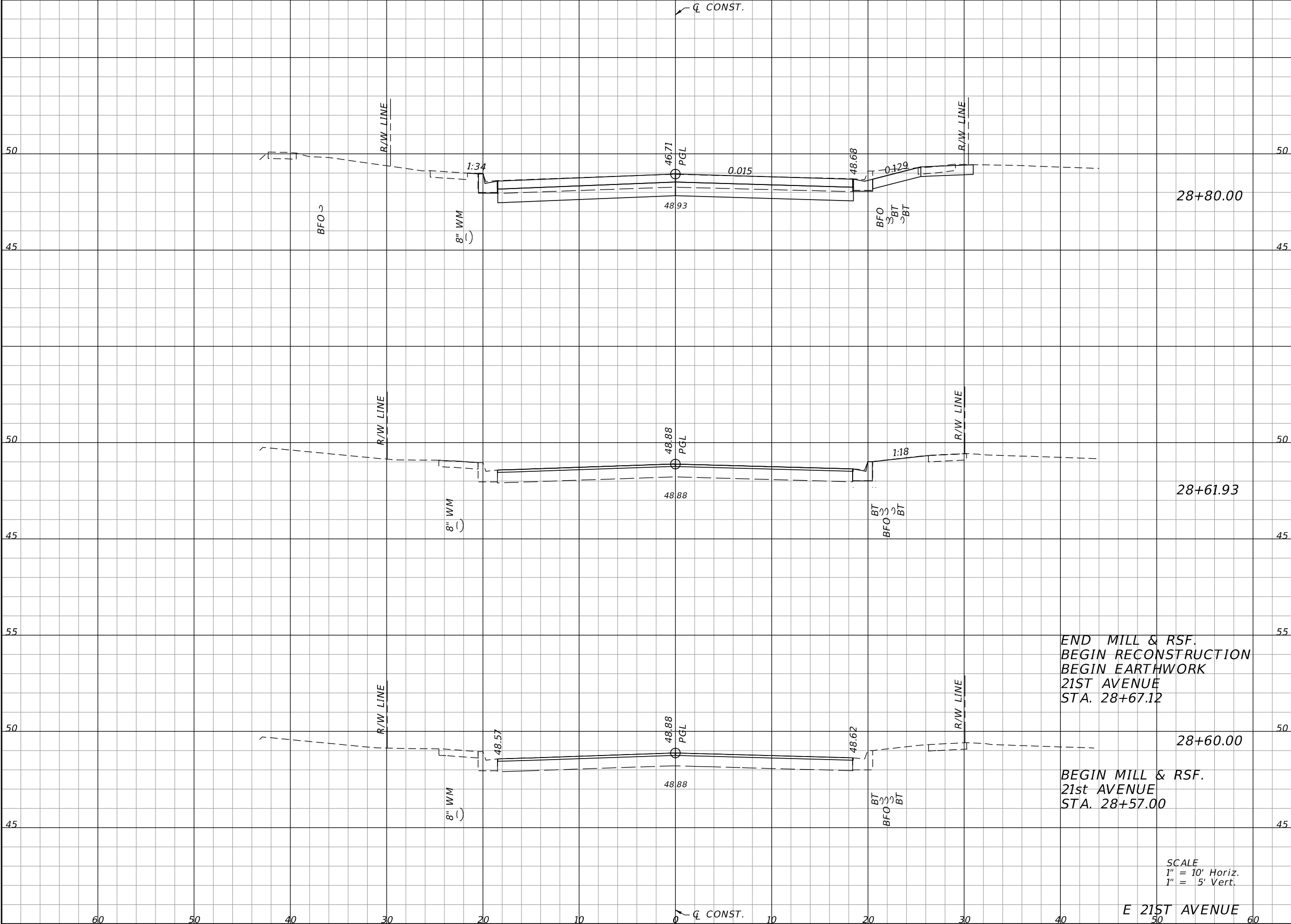
EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
85	

SHEET NO.
85

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Regular	Exc.	Embankment	
		A	V
47.01	15.7	0.06	0.0
0.05	0.0	0.00	0.0

END MILL & RSF.
BEGIN RECONSTRUCTION
BEGIN EARTHWORK
21ST AVENUE
STA. 28+67.12

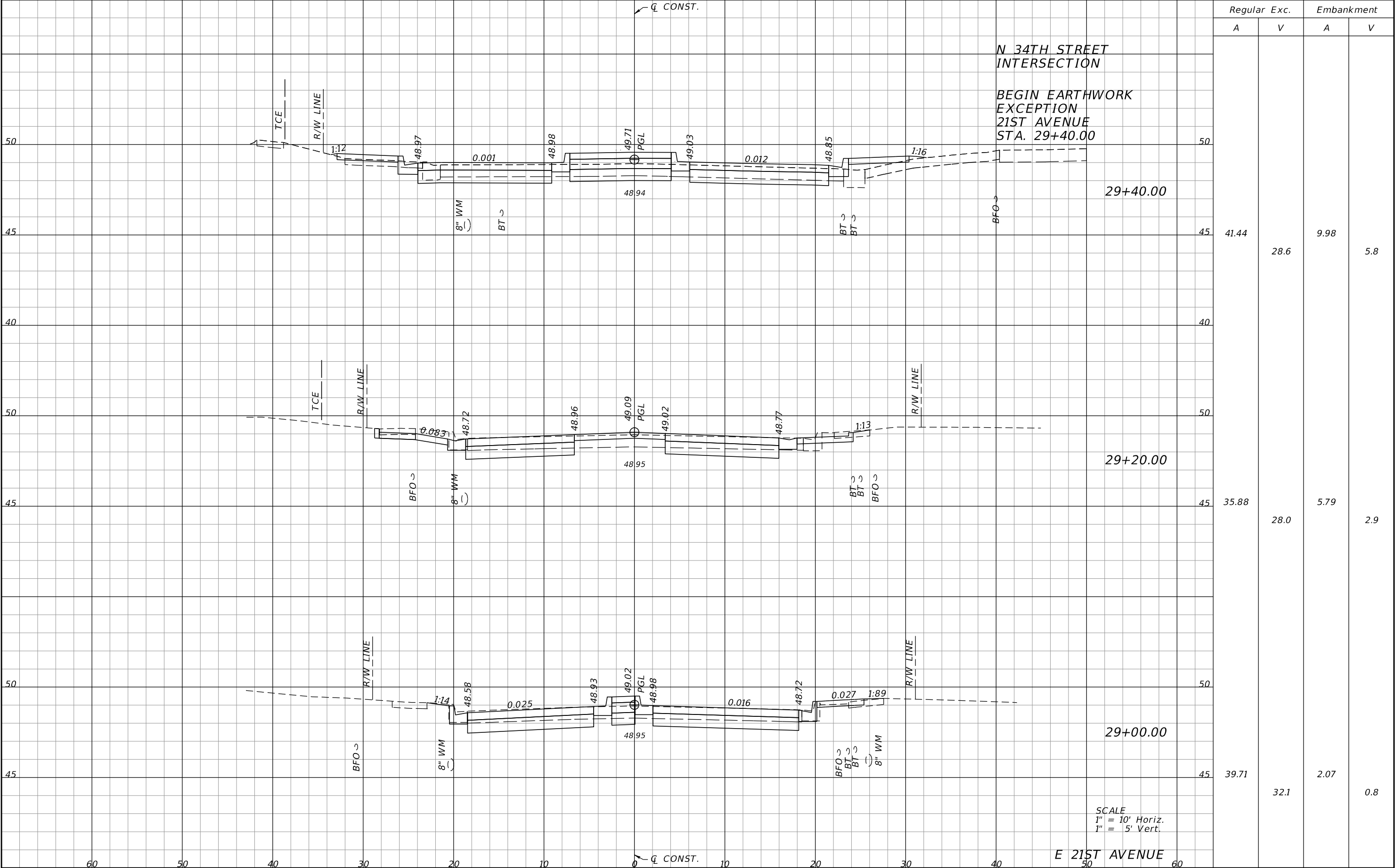
BEGIN MILL & RSF.
21st AVENUE
STA. 28+57.00

SCALE
1" = 10' Horiz.
1" = 5' Vert.

E 21ST AVENUE

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

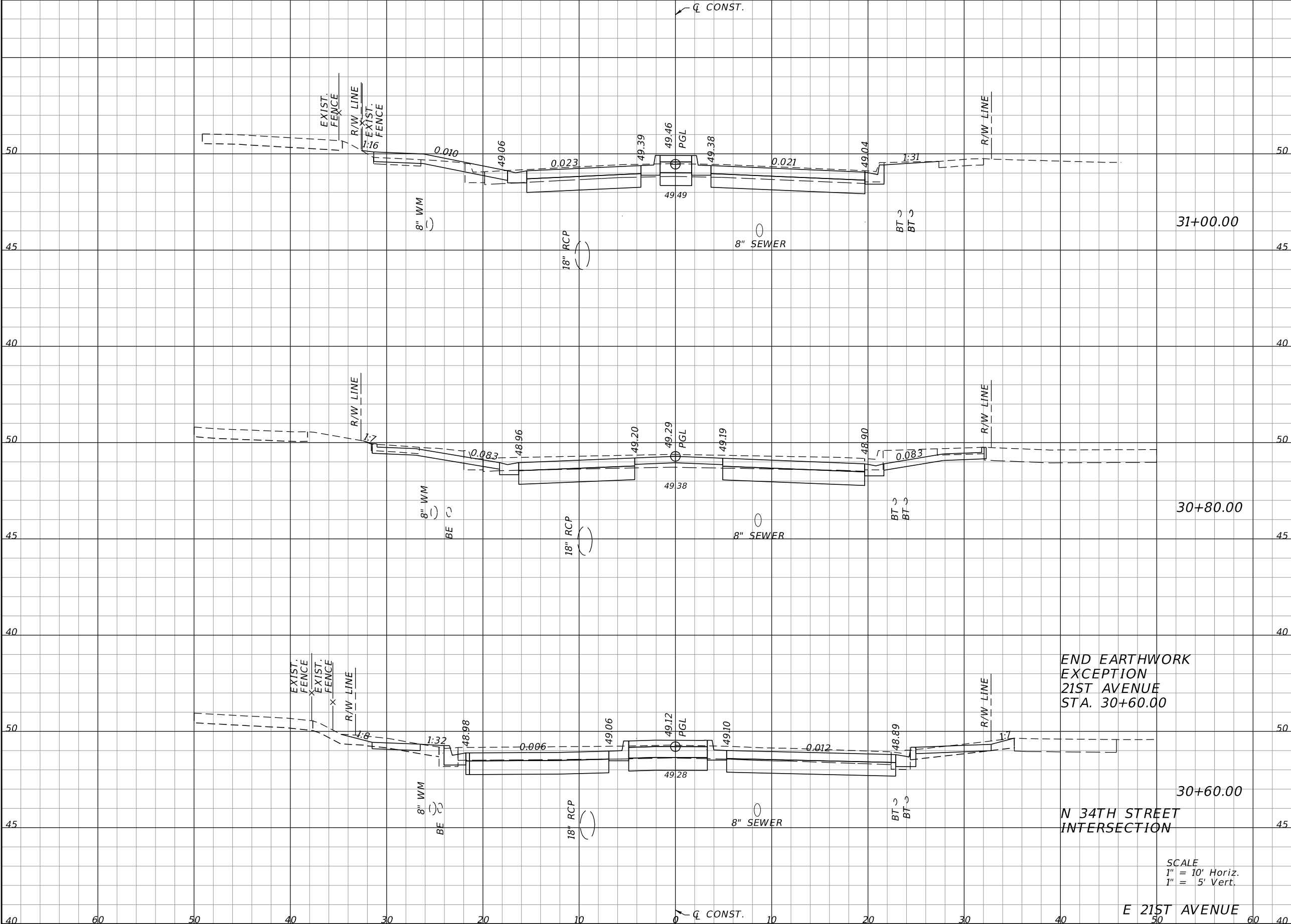
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A	V	A	V	
41.44	28.6	9.98	5.8	
35.88	28.0	5.79	2.9	
39.71	32.1	2.07	0.8	

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		87
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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Regular		Exc.	Embankment	
A		V	A	V
43.85	36.0	4.12	2.6	
53.34	41.3	2.94	3.1	
58.10	0.0	5.38	0.0	

DATE

DESCRIPTION

DATE

DESCRIPTION

REVISIONS

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA
DEPARTMENT OF TRANSPORTATION
AND STORMWATER

ROAD NO.

COUNTY

FINANCIAL PROJECT ID

34TH ST

HILLSBOROUGH

437648-1-58-01

CROSS SECTIONS

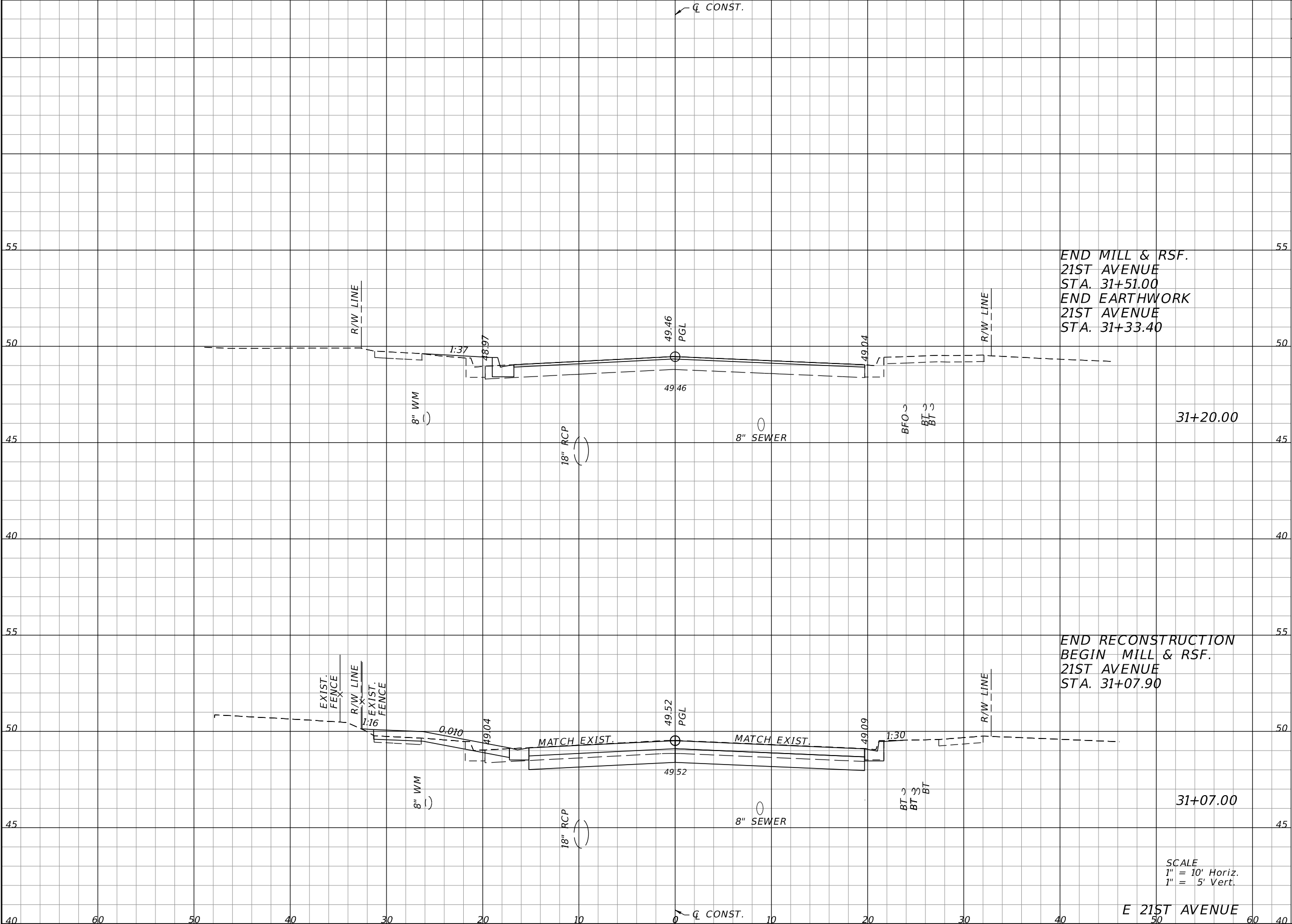
SHEET NO.
88

4/25/2019

8:44:52 AM

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Regular		Exc.	Embankment	
A	V	A	V	
				41.88
				11.6
				3.35
				1.0

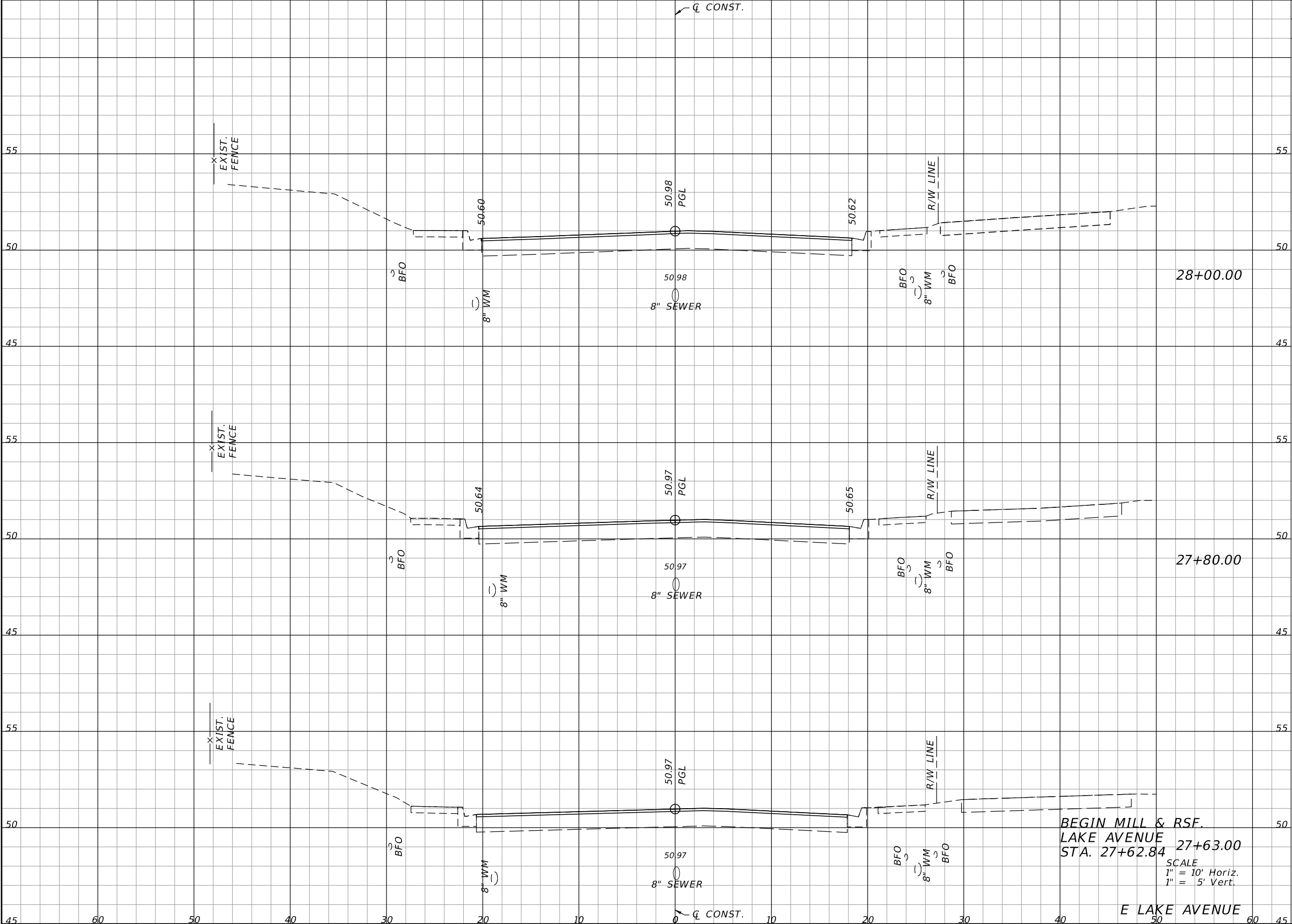
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

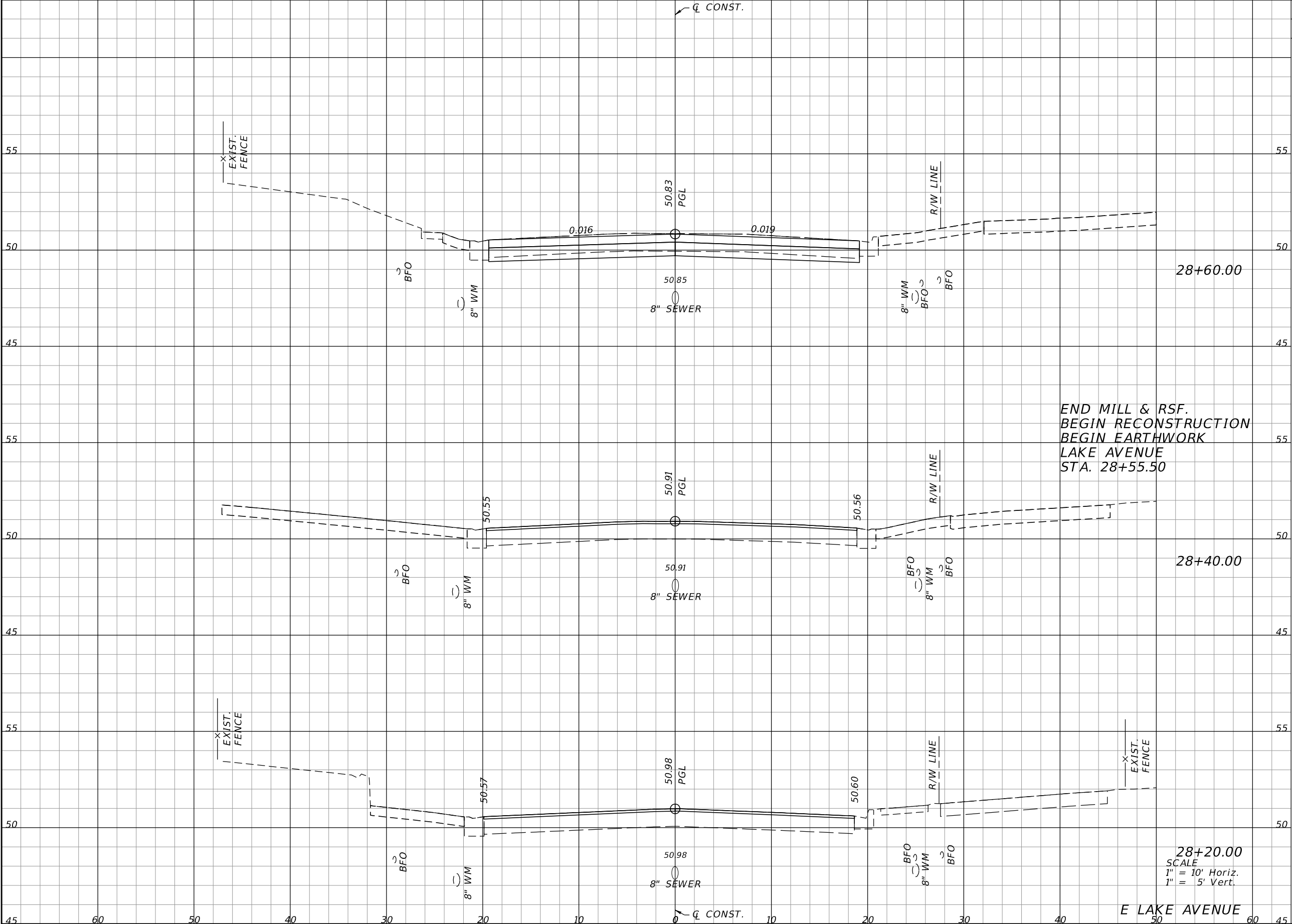
CROSS SECTIONS	
89	

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REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					34TH ST	HILLSBOROUGH	437648-1-58-01			90

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



Regular		Exc.	Embankment	
A		V	A	V
45.97		0.0	0.00	0.0

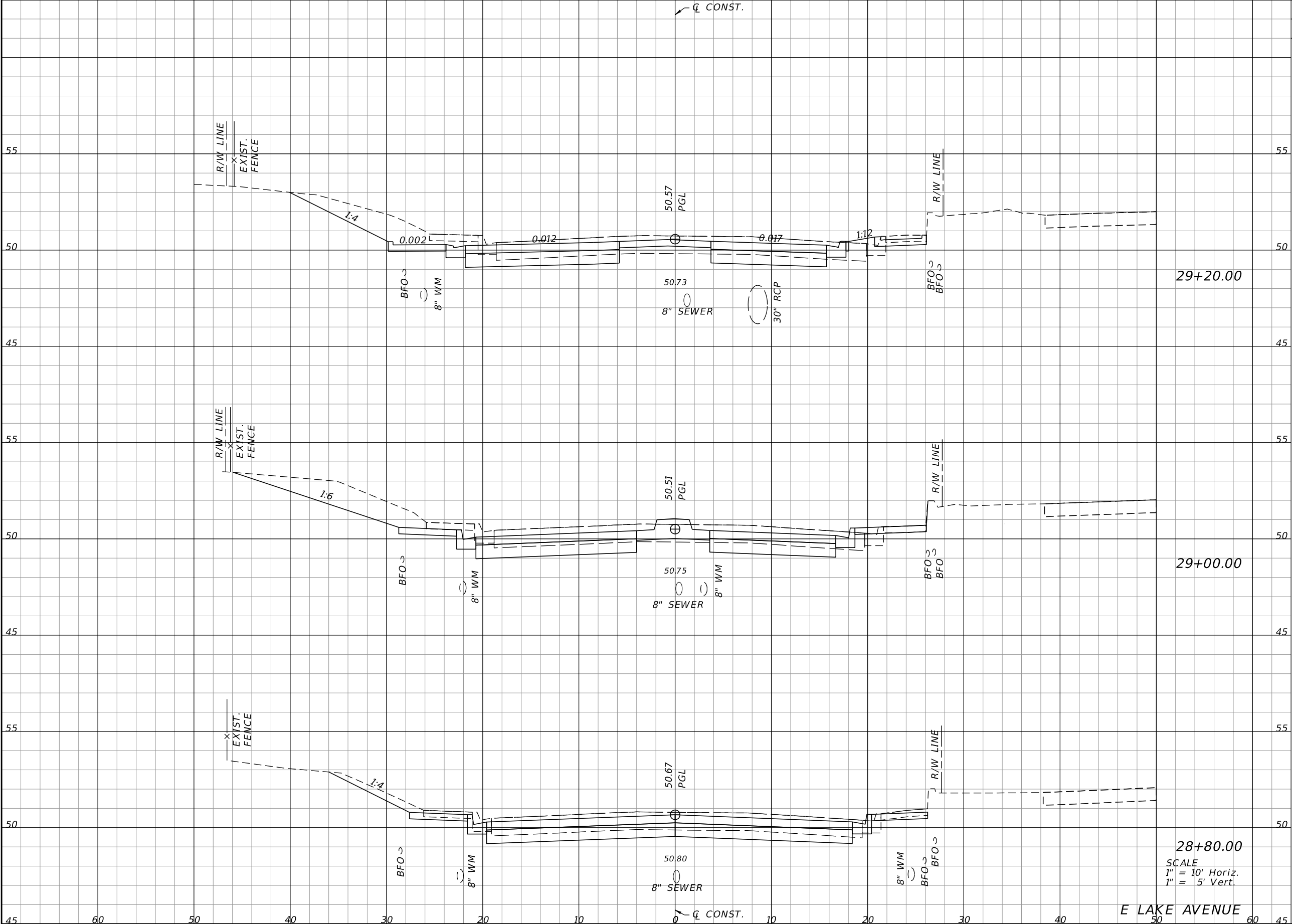
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
91	

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Regular		Exc.	Embankment	
A		V	A	V
61.28		49.2	7.09	3.5
71.47		47.3	2.26	1.1
56.12		37.8	0.82	0.3

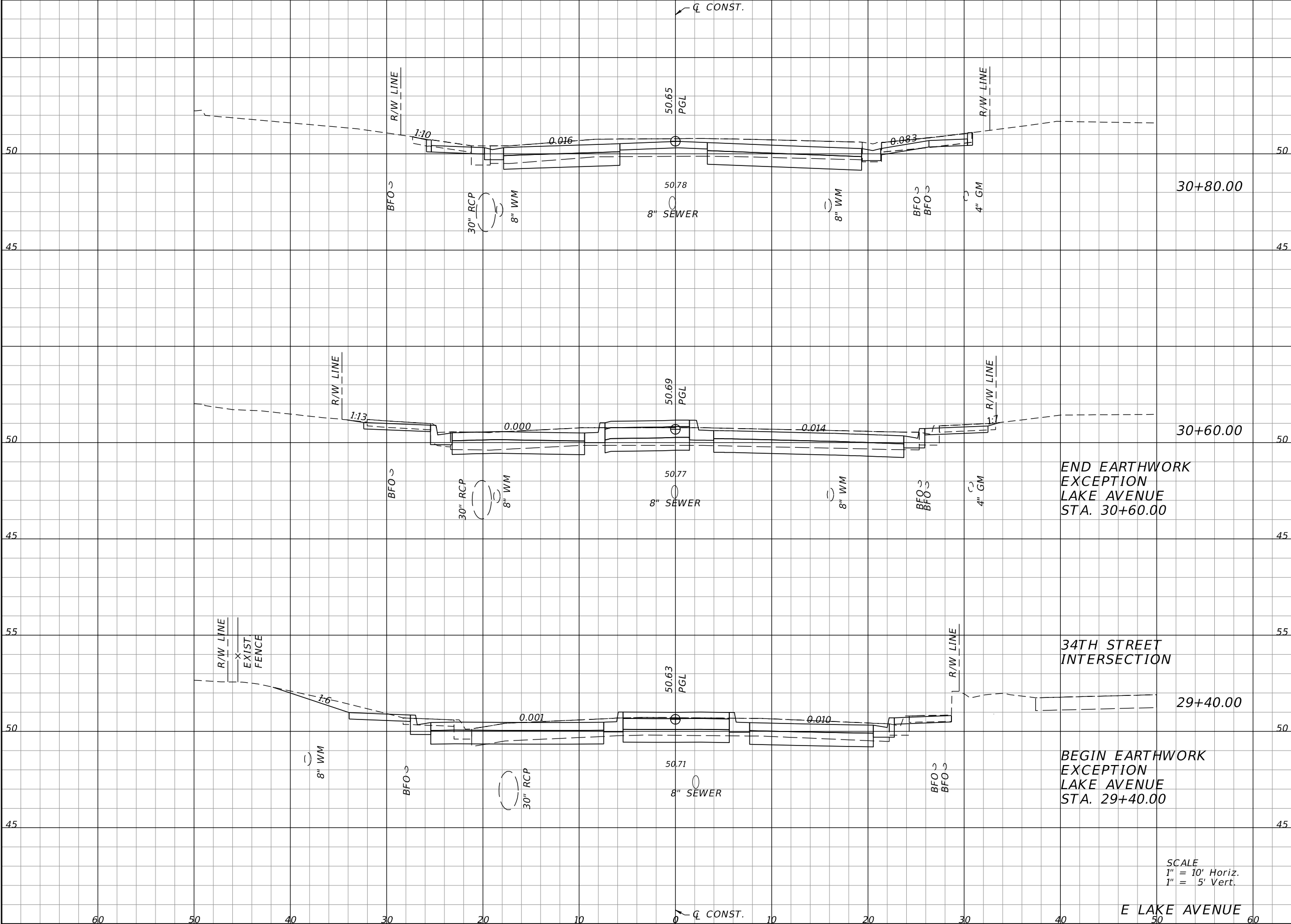
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
92	

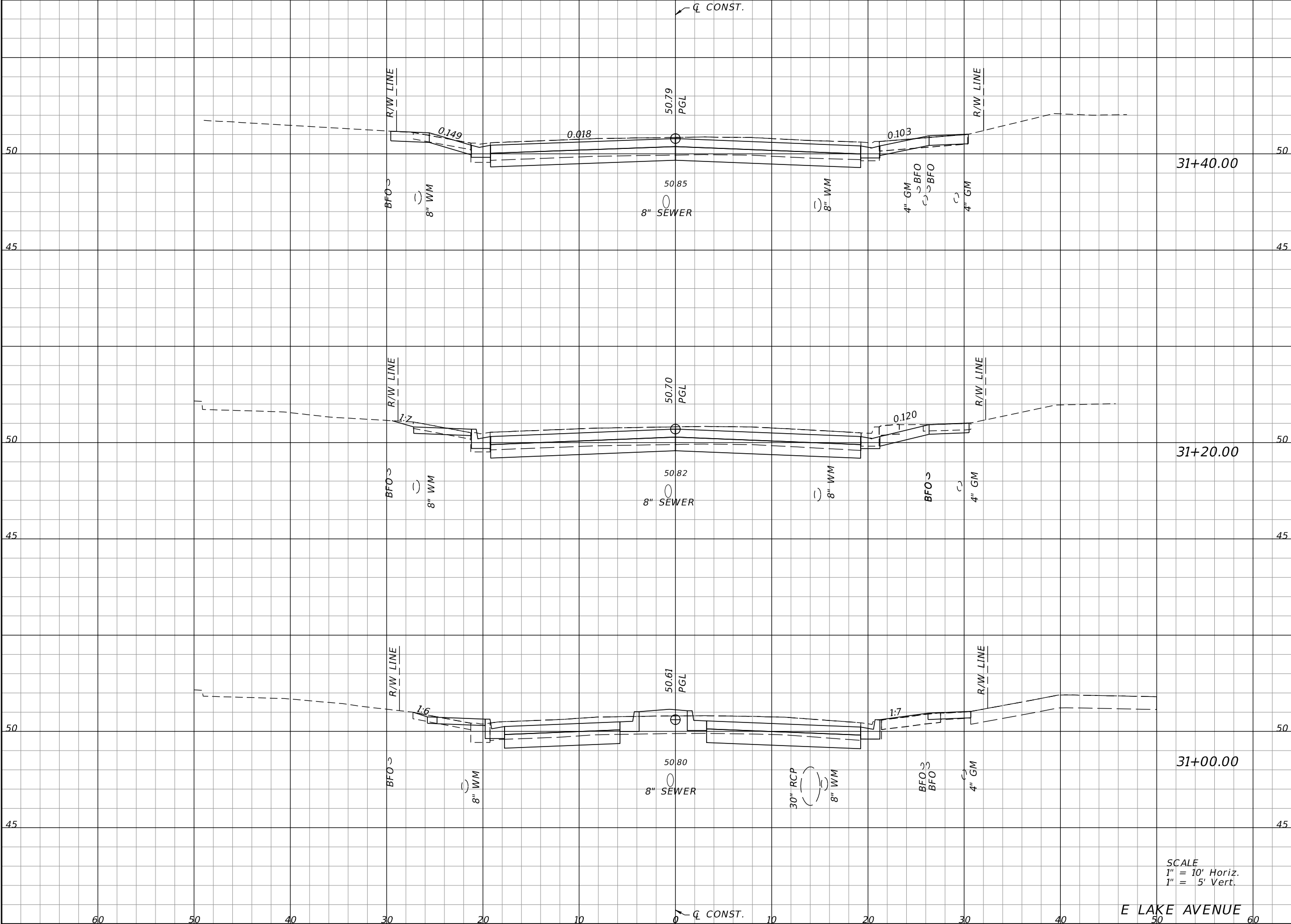
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V
45.60		38.6	5.50	2.9
58.74		0.1	2.34	0.0
58.97		44.5	2.18	3.4

REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO. 93	
DATE	DESCRIPTION	DATE	DESCRIPTION					
				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	ROAD NO. 34TH ST	COUNTY HILLSBOROUGH	FINANCIAL PROJECT ID 437648-1-58-01	CROSS SECTIONS

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



Regular		Exc.	Embankment	
A	V	A	V	
51.26	39.7	1.06	0.7	
55.82	36.9	0.72	4.8	
43.90	33.1	12.25	6.6	

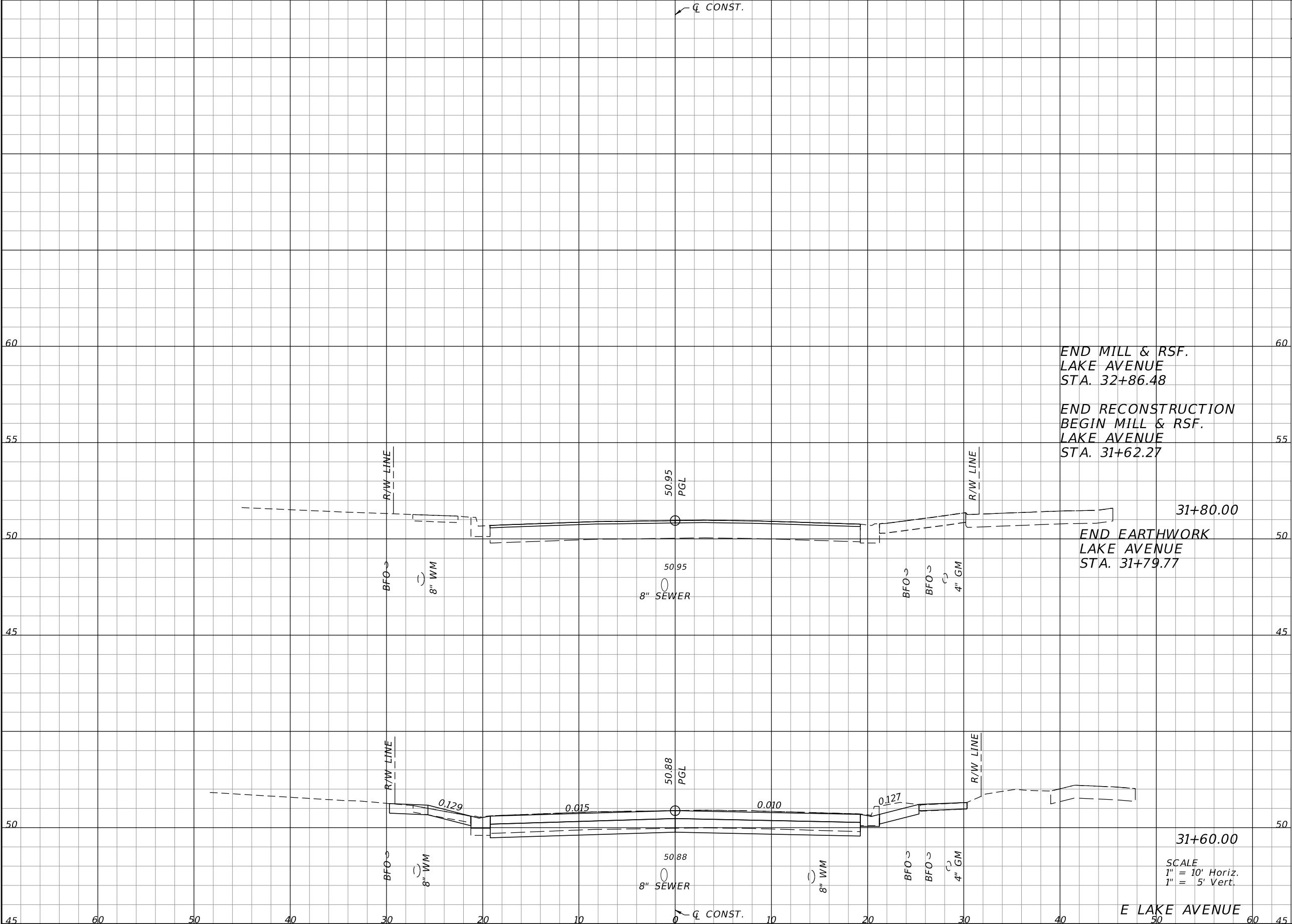
REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				34TH ST	HILLSBOROUGH	437648-1-58-01		94

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

SCALE
1" = 10' Horiz.
1" = 5' Vert.

E LAKE AVENUE

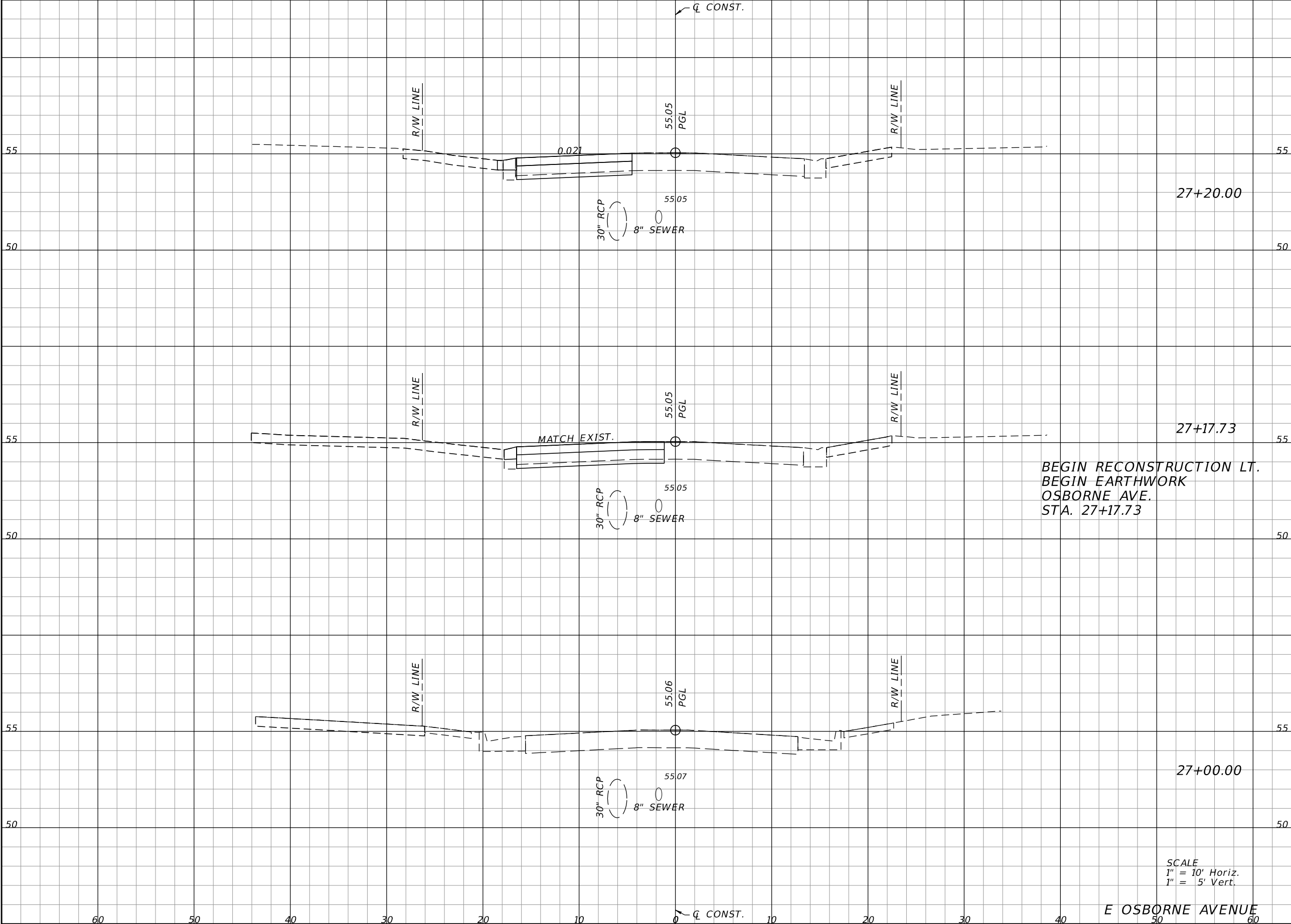
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A	V	A	V	
24.90		27.3	0.41	0.4
49.79		37.4	0.81	0.7

REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			34TH ST HILLSBOROUGH 437648-1-58-01		95

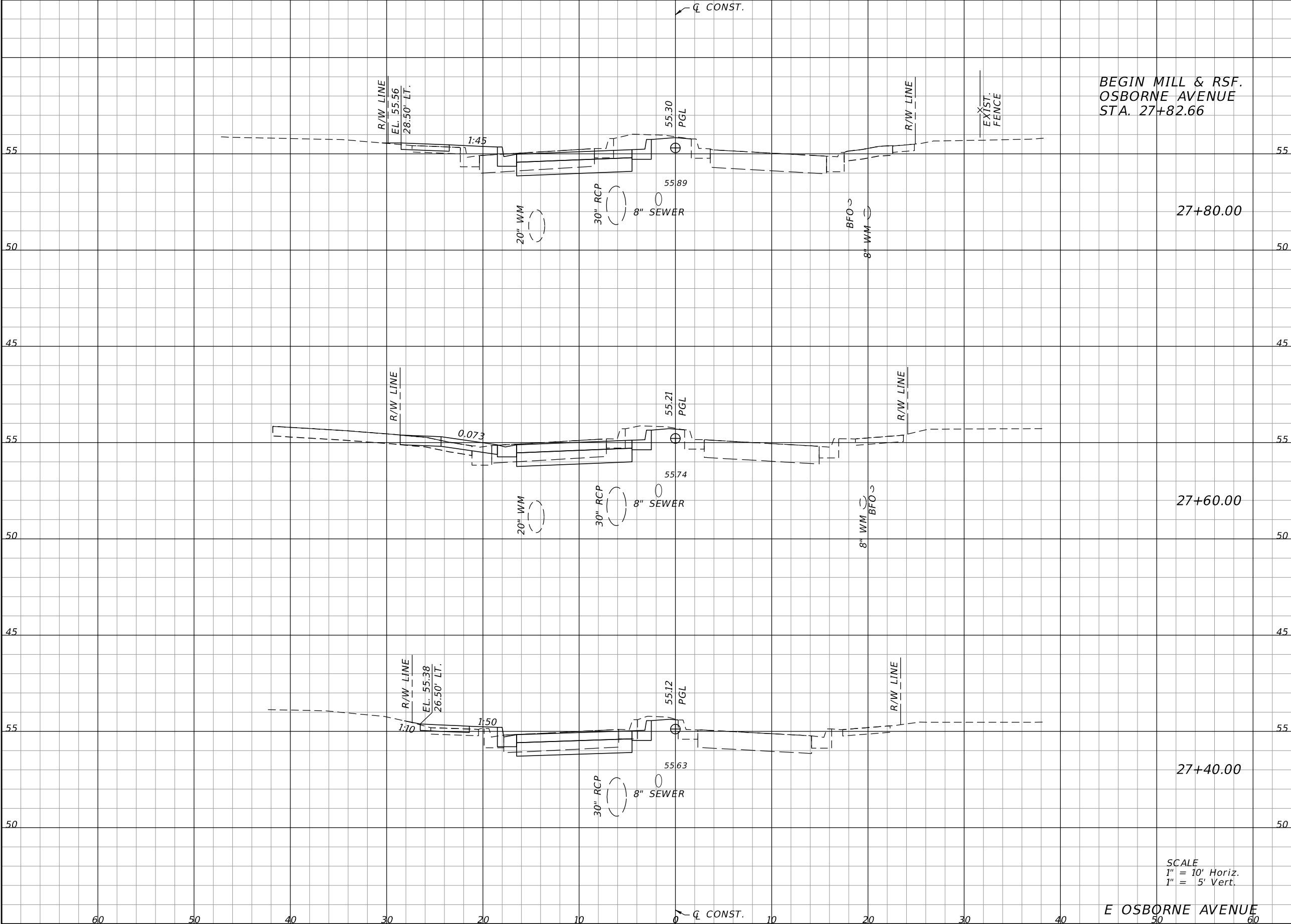
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V
13.53		1.3	0.70	0.1
17.25		0.0	0.65	0.0

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		
									96

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Regular		Exc.	Embankment	
A		V	A	V
19.47	27+80.00			
	14.0			
	6.24			
18.31	27+60.00			
	12.9			
	3.13			
16.60	27+40.00			
	11.2			
	3.31			
				1.5

DATE

DESCRIPTION

DATE

DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA
DEPARTMENT OF TRANSPORTATION
AND STORMWATER

ROAD NO.

COUNTY

FINANCIAL PROJECT ID

34TH ST

HILLSBOROUGH

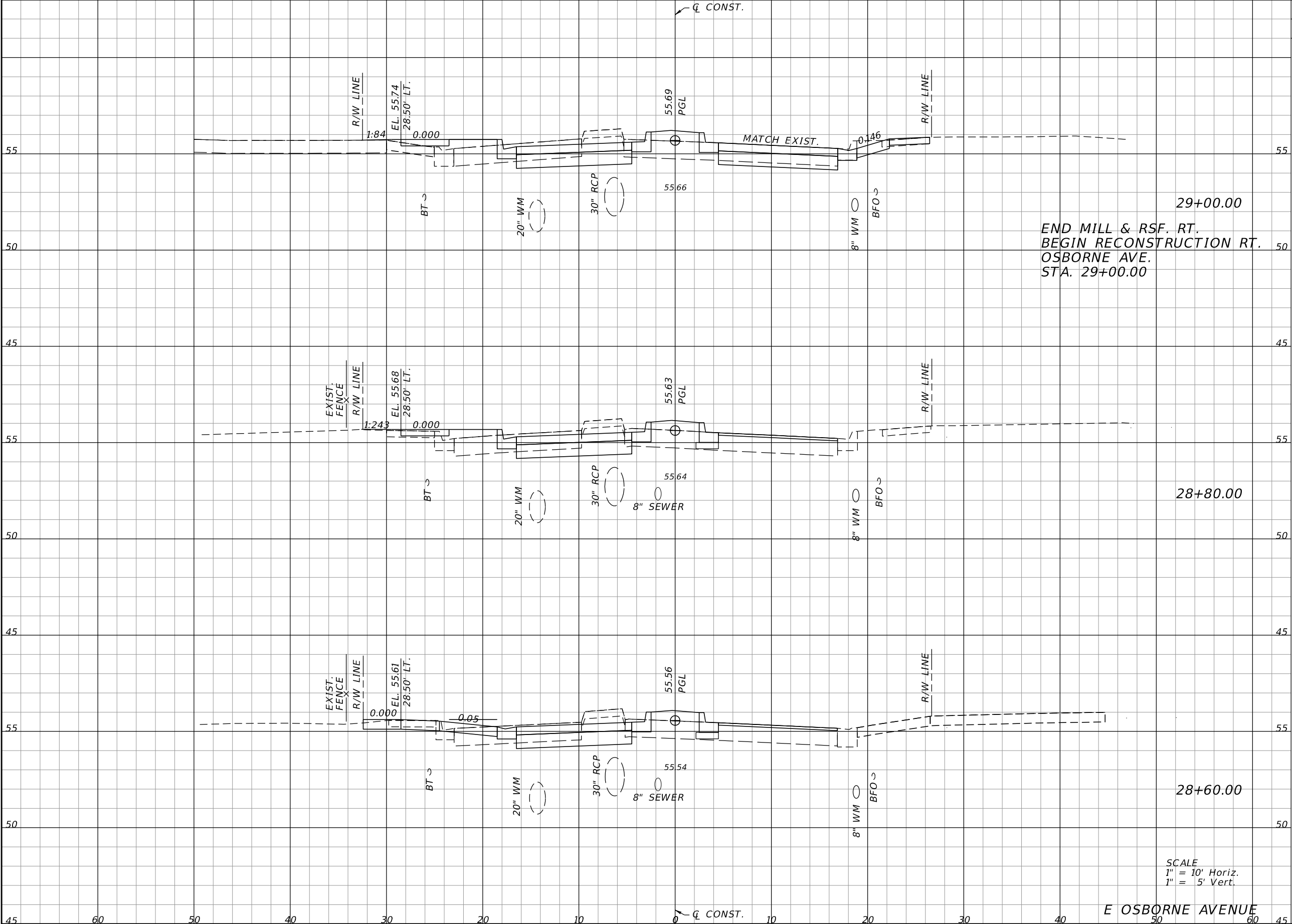
437648-1-58-01

CROSS SECTIONS

SHEET NO.
97

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

mcannon 4/25/2019 8:44:57 AM P:\FDT1403\03-34thStreet\43764815801\roadway\rdxsrd06.dgn



Regular		Exc.	Embankment	
A	V	A	V	
39.17	22.2	14.12	11.3	
20.68	16.3	16.33	9.8	
23.34	16.3	10.19	7.3	

DATE

DESCRIPTION

DATE

DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA
DEPARTMENT OF TRANSPORTATION
AND STORMWATER

ROAD NO.

COUNTY

FINANCIAL PROJECT ID

34TH ST

HILLSBOROUGH

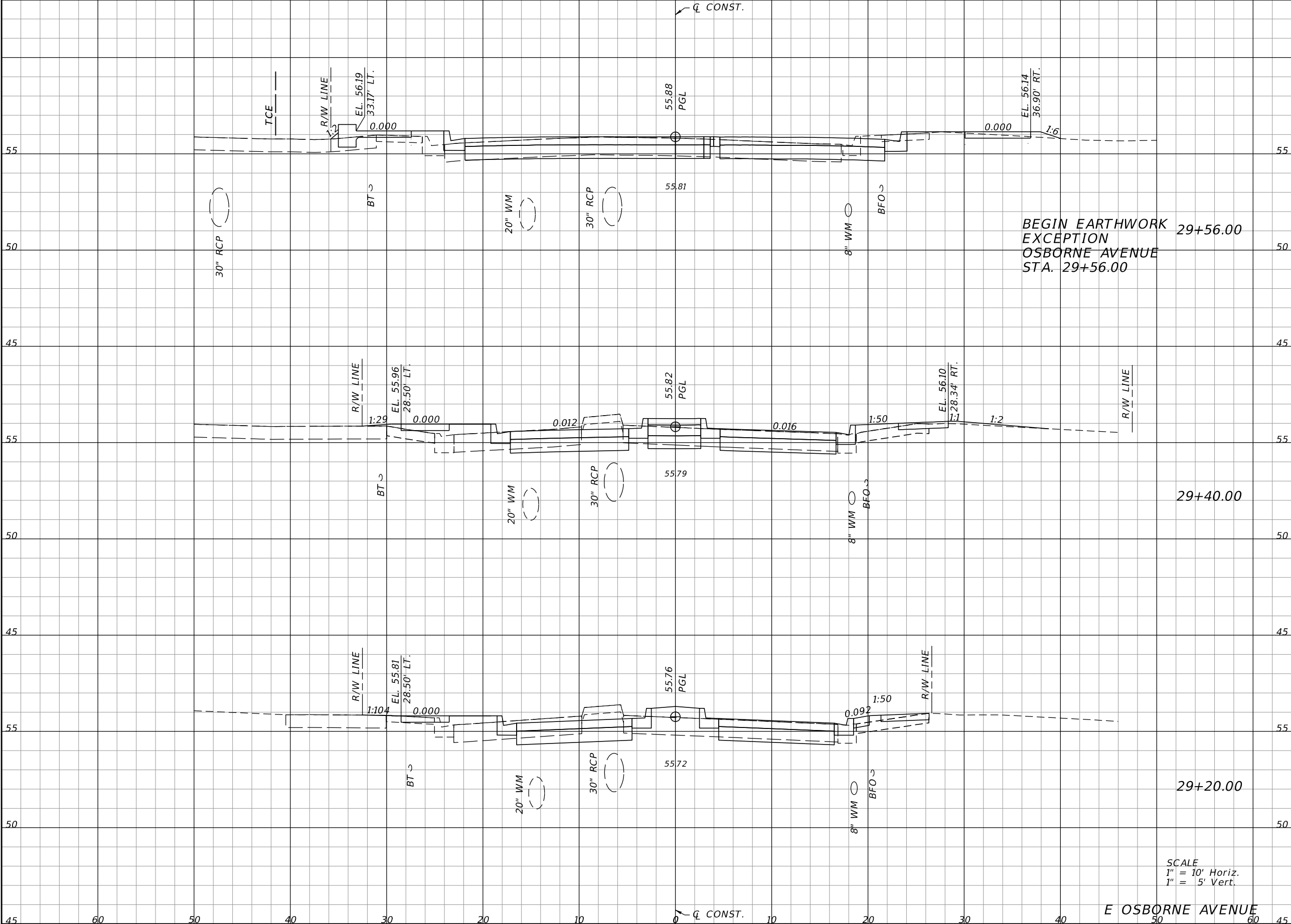
437648-1-58-01

CROSS SECTIONS

SHEET NO.
99

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

mcannon 4/25/2019 8:44:58 AM P:\FDT1403\03-34thStreet\43764815801\roadway\rdxsrd06.dgn



Regular		Exc.	Embankment	
A		V	A	V
44.75		24.7	10.94	9.4
38.57		26.9	20.67	15.2
34.03		27.1	20.28	12.7

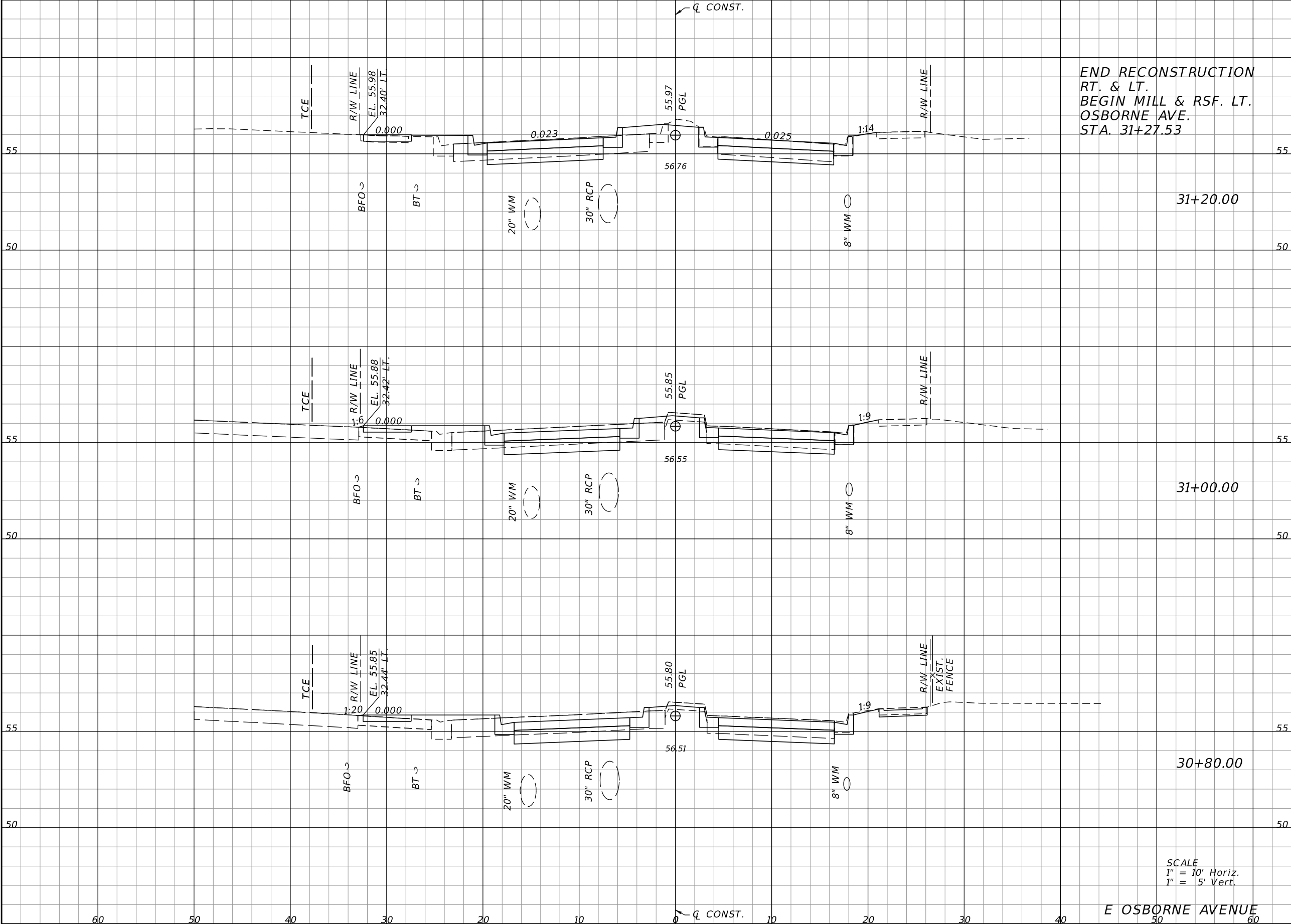
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
34TH ST	HILLSBOROUGH	437648-1-58-01

CROSS SECTIONS	
100	

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END RECONSTRUCTION
RT. & LT.
BEGIN MILL & RSF. LT.
OSBORNE AVE.
STA. 31+27.53

31+20.00

31+00.00

30+80.00

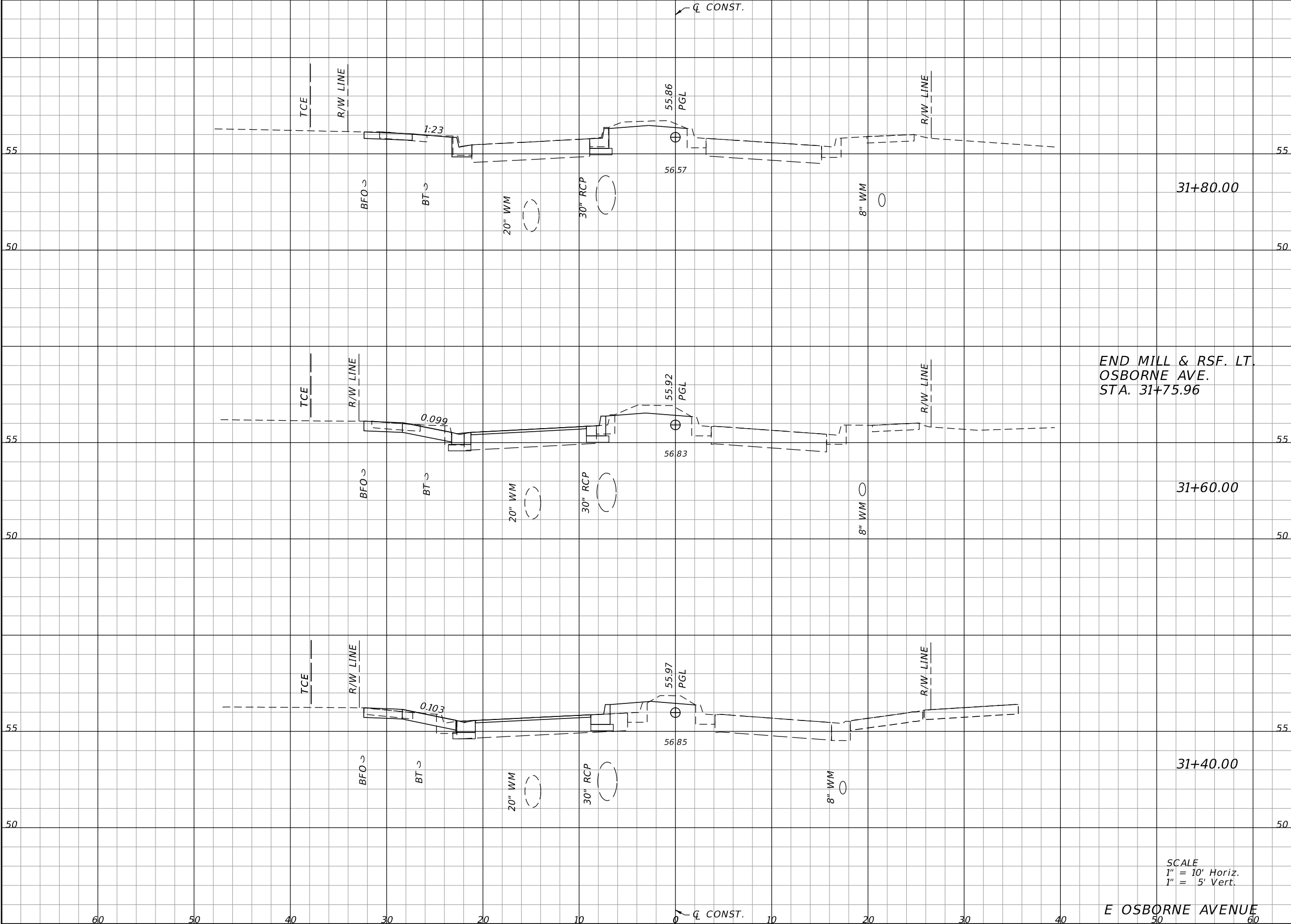
SCALE
1" = 10' Horiz.
1" = 5' Vert.

E OSBORNE AVENUE

Regular		Exc.	Embankment	
A		V	A	V
31.09	24.3	11.60	10.0	
34.49	26.4	15.44	11.0	
36.77	29.4	14.28	9.4	

REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION					
				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	ROAD NO. 34TH ST	COUNTY HILLSBOROUGH	FINANCIAL PROJECT ID 437648-1-58-01	103

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Regular		Exc.	Embankment	
A		V	A	V
31+80.00		3.80	4.4	11.73
31+60.00		8.16	5.6	1.09
31+40.00		6.87	14.1	16.23

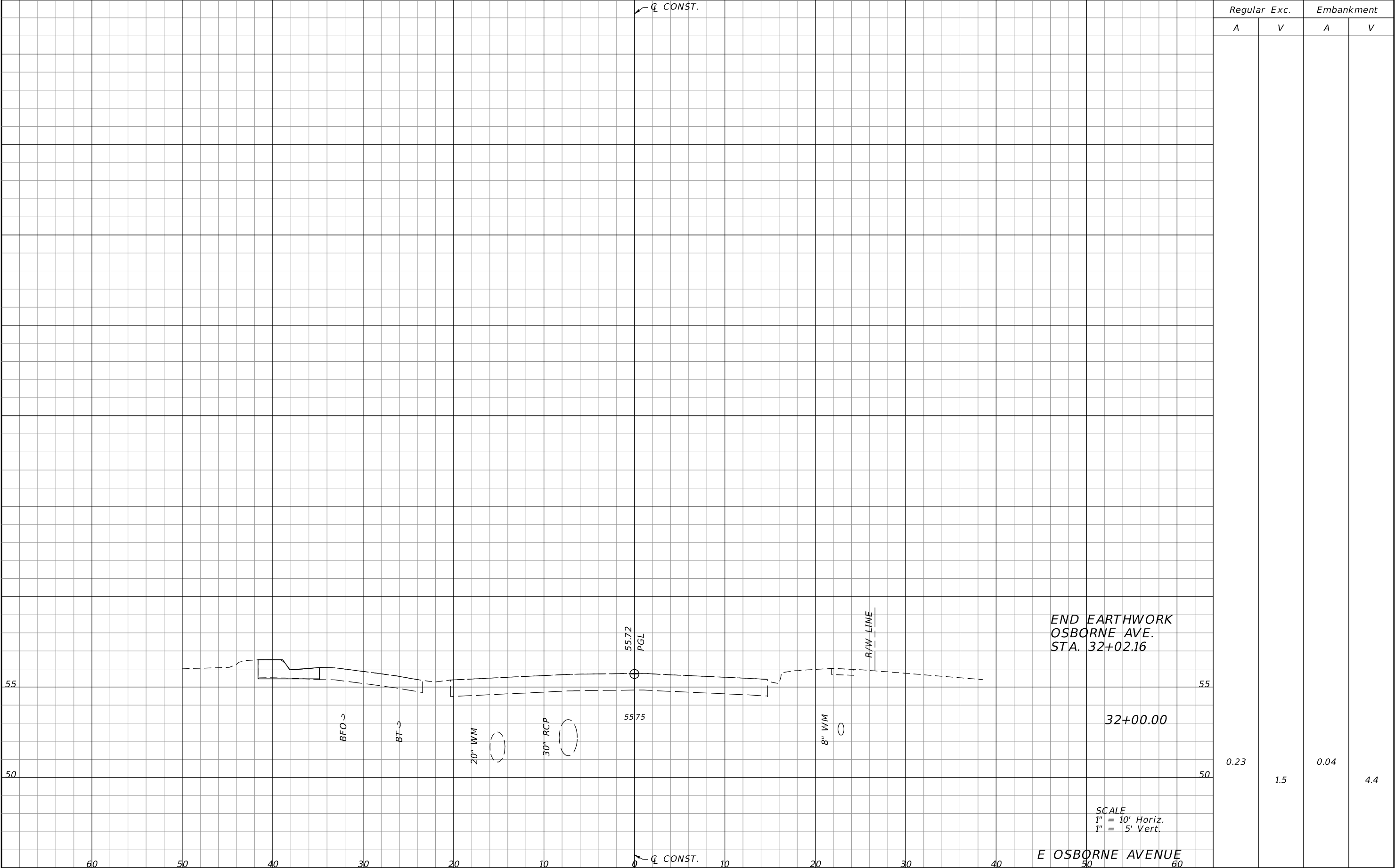
END MILL & RSE. LT.
OSBORNE AVE.
STA. 31+75.96

SCALE
1" = 10' Horiz.
1" = 5' Vert.

E OSBORNE AVENUE

REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SHEET NO. 104	
DATE	DESCRIPTION	DATE	DESCRIPTION					
				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	ROAD NO. 34TH ST	COUNTY HILLSBOROUGH	FINANCIAL PROJECT ID 437648-1-58-01	

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REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			CROSS SECTIONS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					34TH ST	HILLSBOROUGH	437648-1-58-01			105

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

STORMWATER POLLUTION PREVENTION PLAN

34th STREET - FROM COLUMBUS DRIVE TO HILLSBOROUGH AVENUE

FPID: 437648-1-58-01: TBD CONTRACT NO.: 10011226

1. SITE DESCRIPTION:

1. NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT PROVIDES FOR THE 34TH STREET ROAD DIET WITH ROUNDABOUT PLACEMENT AT 21ST AVENUE, LAKE AVENUE AND OSBORNE AVENEUE TO REDUCE SEVERE AND FATAL CRASHES. THE ELEMENTS OF WORK INCLUDE ROADWAY, DRAINAGE, SIGNING AND MARKINGS AND UTILITY COORDINATION. THE IMPROVEMENTS WILL INCLUDE MILLING & RESURFACING FOR A PORTION OF THE PROJECT LIMITS. SIGNING AND PAVEMENT MARKINGS INCLUDE ADDING SHARROWS WHERE APPROPRIATE THROUGHOUT THE PROJECT LIMITS.

2. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

PREPARE A SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN ALONG WITH A DETAILED CONSTRUCTION SCHEDULE TO INDICATE DATES OF MAJOR GRADING ACTIVITIES AND DETERMINE SEQUENCES OF TEMPORARY AND PERMANENT SOIL DISTURBING ACTIVITIES ON ALL PORTIONS OF THE PROJECT.

MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS, CONSTRUCTION ACTIVITY VARIATIONS, OR AS DIRECTED BY THE ENGINEER.

APPLICABLE EROSION CONTROL DEVICES AND IMPLEMENTATION PROCEDURES ARE SUPPLIED IN THE FDOT STANDARD INDEXES 570-001, 570-010, AND THE E&SC MANUAL.

DETERMINE IF ANY MODIFICATIONS OR ADDITIONAL CONTROLS ARE REQUIRED AND OBTAIN DEPLOYMENT SCHEDULES FOR THE IMPLEMENTATION OF ALL ADDITIONAL EROSION CONTROL DEVICES FOLLOWING THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS A DIFFERENT SEQUENCE IS PROPOSED THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

3. GENERAL NOTES:

(a) ALL EROSION AND SEDIMENT CONTROL DEVICES FOR EACH PHASE OF WORK ARE TO BE INSTALLED PRIOR TO BEGINNING WORK ON THAT PHASE.

(b) INSTALL EROSION AND SEDIMENT CONTROL DEVICES WHERE LISTED IN THE APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR PERIMETER CONTROLS BEFORE THE LAND IS DISTURBED.

(c) PROVIDE SEDIMENT BARRIERS WHERE LISTED IN THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

(d) PROVIDE INLET PROTECTION SYSTEMS AT INLET OPENINGS.

(e) COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE.

(f) DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED.

(g) TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CLIMATE CHANGES OR WEATHER EVENTS.

(h) DO NOT REMOVE PERIMETER CONTROLS UNTIL AFTER ALL UPSTREAM AREAS ARE FULLY STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED.

(i) PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION. THIS WILL BE ACCOMPLISHED BY USING STREET OR VACUUM SWEEPERS.

(j) OFF -SITE RUNOFF SHOULD BE DIVERTED AWAY OR THROUGH THE CONSTRUCTION AREA, IF POSSIBLE. THIS ADDITIONAL FLOW, IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO STRUCTURAL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.

(k) PREVENT UNAUTHORIZED MATERIALS FROM ENTERING WETLANDS, WATERWAYS, OTHER SURFACE WATERS OR WATERS OF THE US. WETLAND IMPACTS ARE LIMITED TO THE AREAS DESCRIBED IN THE APPROVED PERMITS FOR THE PROJECT.

4. AREA ESTIMATES:

TOTAL PROJECT AREA:

APPROXIMATELY

9.39 ACRES.

TOTAL AREA TO BE DISTURBED DURING CONSTRUCTION ACTIVITIES:

APPROXIMATELY

7.56 ACRES.

TOTAL AREA DRAINED BY PROJECT:

APPROXIMATELY

12.36 ACRES

5. RUNOFF COEFFICIENTS BEFORE, DURING AND AFTER CONSTRUCTION:

BEFORE: C = 0.87

DURING: C = 0.87 TO 0.85

AFTER: C = 0.85

6. SOILS DATA:

THE PREDOMINANT SOIL TYPES WITHIN THE PROJECT LIMITS ARE:

TAVARES - HYDROLOGIC SOIL GROUP A; DEPTH TO SHWT 3.5' TO 6'

URBAN LAND - NO DATA AVAILABLE

7. RECEIVING WATERS:

THIS FACILITY DOES NOT DISCHARGE TO WATERS LISTED ON THE EPA APPROVED 303(D) LIST FOR IMPAIRMENT DUE TO TOTAL SUSPENDED SOLIDS. THE PROJECT DOES NOT DISCHARGE DIRECTLY TO THE RECEIVING WATERS BUT INSTEAD DISCHARGES TO EXISTING DRAINAGE STRUCTURES.

8. OUTFALL INFORMATION (TEMPORARY AND PERMANENT):

DESCRIPTION

78" PIPE @ EXISTING MANHOLE

LATITUDE: 27 DEGREES 58 MINUTES 6.15 SECONDS NORTH, LONGITUDE: 82 DEGREES 25 MINUTES 34.97 SECONDS WEST LOCATED AT THE SOUTHWEST CORNER OF ALFRED BARNES JR. PARK.

9. DESCRIPTION OF STORMWATER MANAGEMENT: (EXISTING/PROPOSED)

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAP. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCES ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

(a) EXISTING DRAINAGE PATTERNS: EXISTING DRAINAGE PATTERNS WILL NOT BE ALTERED IN THE PROPOSED CONDITIONS.

(b) APPROXIMATE SLOPES: THE SLOPES OF THE SITE ARE SHOWN ON THE CROSS SECTION SHEETS AND THE PLAN-PROFILE SHEETS.

(c) AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN-PROFILE SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.

(d) LOCATIONS OF TEMPORARY CONTROLS: THESE WILL BE BASED THE ON CONSTRUCTION ACTIVITIES AND SHALL BE PLACED IN A MANNER TO PROTECT RECEIVING WATERS.

(e) LOCATION OF PERMANENT CONTROLS: STORM DRAIN SYSTEMS ARE THE PRIMARY PERMANENT STORMWATER MANAGEMENT CONTROLS. THESE ARE SHOWN ON THE ROADWAY PLANS.

(f) AREAS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEETS, THE PLAN-PROFILE SHEETS.

(g) SURFACE WATERS: N/A.

(h) DISCHARGE POINTS: SEE OUTFALL INFORMATION.

II. CONTROLS:

1. EROSION AND SEDIMENT CONTROLS

* WATER QUALITY MONITORING SHALL BE CONDUCTED UPON THE OBSERVATION THAT THE WATER QUALITY STANDARDS MAY BE VIOLATED BY THE CONSTRUCTION ACTIVITIES. DESIGNATED MONITORING LOCATIONS SHALL MONITOR ANY CONSTRUCTION ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (29 NTU'S ABOVE BACKGROUND). MONITORING OF WATER QUALITY SHALL BE CONDUCTED A MINIMUM OF TWICE DAILY FOR ANY EARTHWORK ACTIVITIES WITHIN THE STRUCTURE IMPROVEMENT AREA. MONITORING WILL BE ACCOMPLISHED BY RECORDING TURBIDITY READINGS FROM THE CENTER OF THE STREAM, ONE UPSTREAM OF THE ACTIVITY AND ONE DOWNSTREAM OF THE EROSION CONTROL DEVICES, BUT WITHIN THE PROJECT RIGHT OF WAY. IF WATER QUALITY STANDARDS AREVIOLATED, CONSTRUCTION SHOULD BE STOPPED IMMEDIATELY AND EROSION CONTROL DEVICES REEVALUATED BY THE CITY OF TAMPA REPRESENTATIVE PRIOR TO ANY CONTINUATION OF ACTIVITY. MONITORING ACTIVITIES AND TURBIDITY READINGS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION REPORT AND CONTINUED UNTIL TURBIDITY READINGS FALL BELOW AN ACCEPTABLE LEVEL (29 NTU'S ABOVE BACKGROUND). WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION.

2. STABILIZATION PRACTICES:

(a) STABILIZATION MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO MAINTAINING, ESTABLISHING AND USING VEGETATION, APPLYING MULCHES, SODDING, SEEDING, BMP'S AND THE USE OF ROLLED EROSION CONTROLLED PRODUCTS. WHEN CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, SIDE SLOPES SHALL BE STABILIZED WITH PERFORMANCE SODDING OR SEEDING OR OTHER APPROVED METHOD OF STABILIZATION INCLUDED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEW MANUAL (E&SC MANUAL). SOD SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 981.

(b) STABILIZATION SHALL TAKE PLACE AS SOON AS PRACTICAL IN PORTIONS OF THE PROJECT WHERE CONSTRUCTION ACTIVITIES HAVE CEASED, BUT NO LATER THAN SEVEN (7) DAYS AFTER ANY CONSTRUCTION ACTIVITY CEASES EITHER TEMPORARILY OR PERMANENTLY

(c) ALL EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO THE CONTRACT DOCUMENTS, AND THE APPROVED EROSION CONTROL PLAN.

(d) ANY TEMPORARY MATERIAL USED FOR POLLUTION OR EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT AND FINAL STABILIZATION OF THE PROJECT HAS BEEN ACHIEVED.

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		106
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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(e) SEDIMENT BARRIERS: SILT FENCE OR SYNTHETIC BALES SHOULD BE USED ALONG THE LENGTH OF THE PROJECT ONLY WHERE THE GROUND SLOPES AWAY FROM THE RIGHT OF WAY OR WHERE THERE IS POTENTIAL FOR SEDIMENT TO BE DIRECTED OFF-SITE. PARTICULAR CARE SHOULD BE USED WHEN THERE ARE WETLANDS OR WATERS OF THE U.S.. (f) SEDIMENT BARRIERS SHOULD BE USED AROUND THE PERIMETER OF STOCKPILE AREAS. (g) SPACING OF SEDIMENT BARRIERS USED AS DITCH OR SWALE CHECKS/DAMS SHOULD BE BASED UPON THE HEIGHT OF THE BARRIER AND THE SLOPE OF THE DITCH OR SWALE. (h) MODIFY SOIL TRACKING PREVENTION SYSTEMS OR PROCEDURES AS NEEDED.				(1) COMMONLY USED IN LAKES AND STREAMS AS A SEDIMENT CONTAINMENT SYSTEM; SHOULD NOT BE USED WHERE WATER CURRENTS MOVE THE CURTAIN AND DISLODGE COLLECTED SEDIMENTS. (2) MAXIMUM DEPTH OF PANEL IS 3'-8". (3) POST MUST BE A MINIMUM LENGTH OF 5.0' AND A MINIMUM OF 10" OF FABRIC MUST BE IMBEDDED IN THE GROUND.			
3. STRUCTURAL PRACTICES FOR EROSION AND SEDIMENT CONTROL: THESE ITEMS ARE COMMONLY USED IN AREAS WHERE CONTINUOUS CONSTRUCTION ACTIVITIES CHANGE THE NATURAL CONTOURS AND DRAINAGE RUNOFF PATTERNS. (a) ROLLED EROSION CONTROL PRODUCTS (ARTIFICIAL COVERINGS) PURPOSE: TO PROTECT DISTURBED SLOPE SURFACES AGAINST EROSION DUE TO RAINFALL OR FLOWING WATER. (1) USED FOR PAUSES IN CONSTRUCTION DUE TO INCLEMENT WEATHER OR OTHER CIRCUMSTANCES. COULD INCLUDE NATURAL OR SYNTHETIC FIBER MATS, PLASTIC SHEETING OR NETS. (2) USED FOR EROSION CONTROL THAT FACILITATES PLANT GROWTH WHILE PERMANENT GRASS IS ESTABLISHED; COULD INCLUDE BIODEGRADABLE EROSION CONTROL BLANKETS INSTALLED ON A SEEDED AREA, ON FILL SLOPES OR IN DITCHES. (3) USED TO STABILIZE DRAINAGE CHANNELS. CONSULT E&SC MANUAL TO DETERMINE CORRECT PRODUCT TYPE FOR CHANNEL STABILIZATION. (b) RUNOFF CONTROL STRUCTURE /TEMPORARY SLOPE DRAIN: PURPOSE: TO PROTECT HILLSIDE SURFACES AGAINST EROSION DUE TO CONCENTRATED FLOW OF RUNOFF WATER. (1) USED ON FILL SLOPES AND CUT SLOPES TO REDUCE SEDIMENT TRANSPORT AND COULD INCLUDE TEMPORARY SLOPE DRAINS, GRASS-LINED CHANNELS, ROCK-LINED CHANNELS AND CHECK DAMS. (2) RUNOFF CONTROL STRUCTURES TYPICALLY DISCHARGE TO A SEDIMENT BASIN. (c) SEDIMENT BASINS (TEMPORARY CONTAINMENT SYSTEMS): PURPOSE: A CONTAINMENT SYSTEM IS DESIGNED TO DETAIN AN ADEQUATE VOLUME OF RUNOFF, REDUCE THE VELOCITY OF FLOW THROUGH THE SYSTEM, ALLOW FOR SETTLEMENT OF SUSPENDED SOLIDS AND REGULATE THE DISCHARGE RATE FROM THE SEDIMENT BASIN. (1) SEDIMENT BASINS MUST BE PLACED IN STRATEGIC LOCATIONS WITHIN THE ACTIVE AREAS OF CONSTRUCTION. CONTRIBUTING AREA AND SIZE OF TARGET SOIL PARTICLE WILL DICTATE WHETHER THE SEDIMENT BASIN WILL BE TYPE 1, TYPE 2 OR TYPE 3 SYSTEM. (2) THE USE OF SMALLER PRE-SEDIMENTATION BASINS USED IN CONJUNCTION WITH LARGER PERMANENT RETENTION/DETENTION PONDS ARE EFFECTIVE IN CAPTURING LARGER VOLUMES OF SEDIMENTS. THIS TECHNIQUE REQUIRES PERIODICALLY SCHEDULED REMOVAL OF THE ACCUMULATED SEDIMENTS. (d) SEDIMENT BARRIERS (TEMPORARY CONSTRUCTION SITE BMP'S) PURPOSE: SEDIMENT BARRIERS EITHER OBSTRUCT FLOW OR PREVENT THE PASSAGE OF WATER WHILE CONSTRUCTION ACTIVITIES OCCUR. SMALLER SEDIMENT BARRIERS MAY FUNCTION AS A SMALL SEDIMENT CONTAINMENT SYSTEM OR AS A METHOD TO REDUCE FLOW VELOCITY. (1) THESE CONSTRUCTION BMP'S CAN INCLUDE SYNTHETIC BALES, STAKED SILT FENCE, TURBIDITY BARRIER, STORM SEWER INLET BARRIERS, ROCK BARRIERS, GEOSYNTHETIC BARRIERS, ETC. IN ACCORDANCE WITH DESIGN STANDARD 570-001. (2) APPROPRIATE LOCATIONS INCLUDE SITE PERIMETER, BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION, BELOW THE TOE OF EXPOSED AND ERODIBLE SLOPES, ALONG THE TOE OF STREAM AND CHANNEL BANKS, AROUND DRAINS AND INLETS LOCATED IN LOW POINTS OR THE DOWNSTREAM EDGE OF AREAS UNDERGOING VERTICAL OR BOX CULVERT CONSTRUCTION ACTIVITIES. (3) INAPPROPRIATE LOCATIONS FOR THESE SAME MEASURES INCLUDE PARALLEL TO A HILLSIDE CONTOUR, IN CHANNELS WITH CONCENTRATED FLOW /UNLESS PROPERLY REINFORCED, UPSTREAM OR DOWNSTREAM OF CULVERTS WITH CONCENTRATED FLOW, IN FRONT OF OR AROUND INLETS ON A GRADE WITH CONCENTRATED FLOW OR IN FLOWING STREAMS. (e) FLOATING TURBIDITY BARRIER PURPOSE: USED IN PERMANENT BODIES OF WATER TO RETAIN SEDIMENT AND FLOATING DEBRIS FROM A CONSTRUCTION AREA SO THAT REMOVAL OR CONTAINMENT OF THE MATERIAL IS POSSIBLE. THEY ARE ALSO USED TO CONTROL MIGRATION OF SUSPENDED SEDIMENTS. (1) TYPE I, LIGHT DUTY, IS USED WHERE THERE IS LITTLE OR NO CURRENT, NO WIND AND NO WAVE ACTION. (2) TYPE II, MODERATE DUTY, IS USED WITH SOME CURRENT (1<3.5 FT. PER SECOND) AND SOME EXPOSURE TO WIND. (3) TYPE III, HEAVY DUTY, IS USED WITH GREATER CURRENT (3.5-5.0 FT. PER SECOND), MODERATE WIND AND WAVE ACTION. (4) BARRIER MUST BE ATTACHED AT BOTH ENDS AND WEIGHTED ON THE BOTTOM. (5) MULTIPLE LINES OF BARRIER MAY BE USED IN SOME CIRCUMSTANCES FOR ADDITIONAL PROTECTION. (6) STANDARD PANELS FOR WATER DEPTHS ARE 5.0'. ADDITIONAL PANELS CAN BE USED FOR WATER DEPTHS > 5.0'. (f) STAKED TURBIDITY BARRIER PURPOSE: THIS ITEM IS COMMONLY USED IN AREAS WHERE CONTINUOUS CONSTRUCTION ACTIVITIES CHANGE THE NATURAL CONTOURS AND DRAINAGE RUNOFF PATTERNS.				(g) INLET PROTECTION SYSTEM PURPOSE: ANY OF A NUMBER OF SEDIMENT BARRIERS THAT EITHER PREVENT SEDIMENT FROM ENTERING AN INLET OR TRAP THE SEDIMENTS ONCE THEY ENTER THE INLET. (1) TYPICAL APPLICATIONS INCLUDE ROCK BARRIERS, FRAME AND FILTER BARRIERS, CURB INLET "SUMP" BARRIER, CURB INLET DIVERSION BERM, CURB AND GUTTER SEDIMENT CONTAINMENT SYSTEM OR CURB INLET INSET. (2) SHOULD BE INSTALLED ONLY WHEN CONSTRUCTION ACTIVITIES ARE ON-GOING AND ONLY WHERE SUMP CONDITIONS EXIST. (3) SHOULD NOT BE USED WHEN CONSTRUCTION IS COMPLETE AND SHOULD NOT BE USED IN AREAS WHERE FLOODING COULD ENCROACH INTO THE TRAVEL LANES. (h) SOIL TRACKING PREVENTION DEVICE PURPOSE: TEMPORARY STRUCTURES TO ASSIST WITH THE REMOVAL OF SOIL MATERIAL CPARTURED ON VEHICLE TIES BEFORE THE VEHICLES ENTER THE ROADWAY. (1) A SOIL TRACKING PREVENTION DEVICE WILL BE USED WHEREVER VEHICLES ENTER THE ROADWAY FROM STAGING AREAS. (2) INGRESS/EGRESS SHALL BE MONITORED AT ALL TIMES DURING CONSTRUCTION AT NON-STAGING AREAS FOR SOIL TRACKING. WHEN SOIL TRACKING OCCURS, ROADWAY SHALL BE SWEEPED USING A BROOM TRUCK.			
4. CHEMICAL TREATMENTS FOR EROSION AND SEDIMENT CONTROL: (a) CHEMICAL TREATMENT - POLYACRYLAMIDES (PAM AND PAM BLENDS) PURPOSE: REDUCE SOIL EROSION THROUGH SOIL BINDING, USED AS A WATER TREATMENT ADDITIVE TO REMOVE SUSPENDED SOLIDS FROM RUNOFF, PROVIDES APPROPRIATE MEDIUM FOR GROWTH OF VEGETATION FOR STABILIZATION AND INCREASES INFILTRATION BY INCREASING THE SIZE OF SOIL PARTICLE. (1) CAN BE USED ON DISTRUBED SOILS, CAN BE USED IN CONJUNCTION WITH OTHER BMP'S TO ENHANCE PERFORMANCE, CAN BE APPLIED IN DISSOLVED FORM WITH WATER, CAN BE USED AS A DRY POWDER, CAN BE USED IN GRANULAR FORM OR MAY BE USED IN THE FORM OF FLOC LOGS. (2) HIGHER CONCENTRATIONS OF PAM'S DON'T INCREASE THE EFFECTIVENESS OF THE PRODUCT. (3) ACTIVELY WORKED AREAS WILL REQUIRE REAPPLICATION TO REMAIN EFFECTIVE. (4) PAM SHOULD NOT BE USED WHERE THERE IS A POTENTIAL FOR EQUIPMENT CLOGGING OR TOXICITY IS A CONCERN. NOTE: THIS PAY ITEM IS CONSIDERED AN OPTION FOR SEDIMENT CONTROL ISSUES THAT ARE PROJECT/SITE SPECIFIC. USE FDOT PAY ITEM 104-019 (OR APPLICABLE COT PAY ITEM) CHEMICAL TREATMENT FOR SOIL BINDERS AND POLYACRYLAMIDES (PAM AND PAM BLENDS). (b) TEMPORARY SOIL STABILIZATION - AS AN ADDITIONAL EROSION CONTROL MEASURE, CHEMICAL ADHESIVE STABILIZER (POLYACRYLAMIDE) CAN BE USED WHERE SOIL RUNOFF WILL DRAIN TO WETLANDS OR SURFACE WATERS. SUCH USAGE SHALL BE LIMITED TO AREAS WHERE VEHICLE TRAFFIC AND OTHER DISTURBANCES WILL NOT OCCUR FOR MORE THAN 7 DAYS. POLYACRYLAMIDE CAN BE APPLIED TO EXPOSED SOILS PRIOR TO PLACEMENT OF ARTIFICIAL COVERINGS AND ROLLED EROSION CONTROL PRODUCTS. POLYACRYLAMIDE SHALL BE USED TO STABILIZE SOIL STOCKPILES WHEN THE STOCKPILE WILL REMAIN UNDISTURBED FOR MORE THAN 7 DAYS. POLYACRYLAMIDE SHALL BE USED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.				5. DEWATERING OPERATIONS (OPTIONAL - BASED ON PROJECT APPLICABILITY): DESCRIPTION: DEWATERING OPERATIONS ARE PRACTICES THAT MANAGE THE DISCHARGE OF TURBID WATER WHEN WATERS OTHER THAN STORMWATER AND ACCULATED SURFACE WATERS MUST BE REMOVED FROM A LOCATION SO THAT CONSTRUCTION WORK MAY BE ACCOMPLISHED. THE WATERS CAN INCLUDE GROUNDWATER, WATER FROM COFFERDAMS, WATER DIVERSIONS, AND WATERS USED DURING CONSTRUCTION THAT MUST BE REMOVED FROM A WORK AREA. OBTAIN ALL REQUIRED STATE AND LOCAL PERMITS FOR THE INSTALLATION AND OPERATION OF DEWATERING AND/OR GROUNDWATER CONTROL SYSTEMS. THIS COULD INCLUDE, BUT IS NOT LIMITED TO, THE ACQUISITION OF A WATER USE PERMIT FROM THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND/OR A GENERIC PERMIT TO DISCHARGE PRODUCED GROUND WATER FROM ANY NON-CONTAMINATED CONSTRUCTION SITE.			
(a) ENVIRONMENTAL AGENCIES ARE ESPECIALLY CONCERNED WITH THE PROTECTION OF WETLANDS FROM DRAWDOWN EFFECTS AND PROTECTING RECEIVING WATER BODIES FROM SEDIMENTATION AND POSSIBLE CAPACITY LIMITATIONS. (b) THREE PRIMARY METHODS OF DEWATERING COMMONLY USED IN FLORIDA ARE RIM DITCHING, SOCK/PIPE/HORIZONTAL WELLS AND WELL-POINT SYSTEMS. (c) METHODS FOR CONTAINING SEDIMENTATION CAN INCLUDE A COMBINATION OF BMP'S AND SEDIMENT TRAPS, SEDIMENT BASINS, GRAVITY BAG FILTERS, WIER TANKS, DEWATERING TANKS, SAND MEDIA/PRESSURIZED BAGS AND CHEMICAL TREATMENTS.				6. PERMANENT CONTROLS FOR EROSION AND SEDIMENT CONTROL:			

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III. OTHER CONTROLS:

1. WASTE DISPOSAL:

DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL (FERTILIZERS, PESTICIDES, AND TOXIC SUBSTANCES), SANITARY SEWER, OR SEPTIC SYSTEMS IN THE EROSION CONTROL PLAN. ADDRESS THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF EITHER SECTION 981 OR 982 OF THE SPECIFICATIONS.

* PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES.

* ALL FERTILIZER AND CHEMICAL CONTAINERS SHALL BE DISPOSED OF ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

* NO SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS SHALL BE DISCHARGED TO WETLANDS OR BURIED ON SITE.

* ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS BY A LICENSED SANITARY WASTE COMPANY.

2. OFF-SITE VEHICLE TRACKING WILL BE CONTROLLED BY THE FOLLOWING METHODS:

- (a) LOADED HAUL TRUCKS ARE TO BE COVERED BY A TARPAULIN AT ALL TIMES.
- (b) EXCESS DIRT ON ROAD SHALL BE REMOVED DAILY.
- (c) STABILIZING CONSTRUCTION ENTRANCES.
- (d) USE ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

3. STATE AND LOCAL REGULATIONS: PERMITS WILL BE REQUIRED FROM THE FOLLOWING AGENCIES:

*SWFWMD-PERMIT EXEMPTION. SEE PRE-APPLICATION MEETING (PA 401723)

*USACOE - N/A

*NPDES-TBD

*HCEPC - N/A

*FDOT-ERP EXEMPT

4. NON-STORMWATER (INCLUDING SPILL REPORTING):

PROVIDE THE CITY OF TAMPA WITH AN EROSION CONTROL PLAN THAT WILL INCLUDE SPILL CONTAINMENT, REPORTING, AND RESPONSES. THE PLAN SHALL SPECIFY WHAT MANAGEMENT PRACTICES AND CONTAINMENT METHODS WILL BE USED TO PREVENT POTENTIAL POLLUTANTS (FUEL, LUBRICANTS, HERBICIDES, ETC) FROM SPILLING INTO THE SOIL OR INTO THE SURFACE WATERS. IF A SPILL DOES OCCUR, OR IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE CITY ENGINEER IMMEDIATELY.

IV. MAINTENANCE:

MAINTAIN AND REPAIR ALL EROSION AND SEDIMENT CONTROL DEVICES AND REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED. REMOVE AND PROPERLY DISPOSE OF SEDIMENT BUILDUP THROUGH THE LIFE OF THE INSTALLED EROSION AND SEDIMENT CONTROL DEVICES.

* ALL CONTROL MEASURES SHALL BE MAINTAINED DAILY AND ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT SHALL BE INITIATED WITHIN 24 HOURS OF NOTICE.

* SODDING SHALL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

* SYNTHETIC BALES SHALL BE MAINTAINED TO ENSURE THEIR USEFULNESS AND NOT BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE. REMOVE SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE BALES OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

* STAKED SILT FENCES SHALL NOT BLOCK OR IMPEDE STORMWATER OR DRAINAGE AND BE REPLACED EVERY TWELVE (12) MONTHS OR WHEN THEY HAVE SERVED THEIR USEFULNESS. REMOVE SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE FENCE OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

* STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OR ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

* SEDIMENT BASINS SHALL BE UTILIZED UNTIL THE AREAS THAT DRAIN TO PERMANENT STORMWATER MANAGEMENT FACILITIES ARE STABILIZED. REMOVE SEDIMENT FROM THE SEDIMENT BASIN WHEN IT BECOMES MORE THAN 1.5 FT IN DEPTH AT ANY TIME.

V. INSPECTION:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT PRODUCES 0.50 INCHES OR GREATER OF RAINFALL.

- (a) POINTS OF DISCHARGE TO WATERS OF THE U.S
- (b) POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS
- (c) DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED
- (d) AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION
- (e) STRUCTURAL CONTROLS
- (f) STORMWATER MANAGEMENT SYSTEMS
- (g) LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE

* INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL IN ACCORDANCE WITH THE NPDES PERMIT. ALL CONTROL MEASURES WILL BE MAINTAINED DAILY.

* ALL EROSION AND WATER POLLUTION ABATEMENT AND CONTROL MEASURES WILL BE INSPECTED DAILY BY PERSONNEL WHO ARE FDEP CERTIFIED STORMWATER MANAGEMENT INSPECTORS.

* COMPLETE ALL SWPPP INSPECTION REPORT FORMS REQUIRED BY THE NPDES PERMIT.

* WHERE SITES HAVE BEEN PERMANENTLY STABILIZED INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH.

VI. TRACKING AND REPORTING:

- (1) SUBMIT A WEEKLY REPORT TO THE CITY OF TAMPA DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE SEDIMENT CONTROL DEVICES. MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS.
- (2) PREPARATION OF ALL REPORTS OF INSPECTION, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION, SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION AND SEDIMENT CONTROL DEVICES OF THE PROJECT.
- (3) USE THE MOST RECENT CONSTRUCTION INSPECTION REPORT (#650-040-03), FOR DAILY INSPECTIONS.

VII. NON-STORMWATER DISCHARGES

IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE CITY ENGINEER IMMEDIATELY.

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TEMPORARY TRAFFIC CONTROL PROJECT NOTES

1. THE EXISTING POSTED SPEEDS WILL BE MAINTAINED DURING CONSTRUCTION.
34TH STREET SOUTH OF 21ST AVENUE IS POSTED 40 MPH
34TH STREET NORTH OF 21ST AVENUE IS POSTED 30 MPH
21ST AVENUE IS POSTED 25 MPH
LAKE AVENUE IS POSTED 30 MPH
OSBORNE AVENUE IS POSTED 30 MPH

2. SEVEN DAYS PRIOR TO CONSTRUCTION, PLACE ONE PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) AT EACH OF THE FOLLOWING LOCATIONS (OR AS DIRECTED BY THE ENGINEER) TO ALERT MOTORISTS OF THE UPCOMING WORK AND CHANGE IN TRAFFIC PATTERNS FOR 34TH STREET:

IN THE MEDIAN OF US92, HILLSBOROUGH AVENUE EAST OF 36TH STREET FOR WESTBOUND US 92 TRAFFIC
IN THE MEDIAN OF US92, HILLSBOROUGH AVENUE WEST OF 32ND STREET FOR EASTBOUND US 92 TRAFFIC
ON RIGHT SIDE OF 34TH STREET SOUTH OF DELEUIL AVENUE FOR SOUTHBOUND 34TH STREET TRAFFIC
ON RIGHT SIDE OF CR 574/7TH AVENUE WEST OF 31ST STREET FOR EASTBOUND 7TH AVENUE TRAFFIC
ON RIGHT SIDE OF CR 574/7TH AVENUE EAST OF 36TH STREET FOR WESTBOUND 7TH AVENUE TRAFFIC
ON RIGHT SIDE OF 34TH STREET SOUTH OF 4TH AVENUE FOR NORTHBOUND 34TH STREET TRAFFIC
ON RIGHT SIDE OF COLUMBUS DRIVE WEST OF 31ST STREET FOR EASTBOUND COLUMBUS DRIVE TRAFFIC
ON RIGHT SIDE OF 19TH AVENUE EAST OF 36TH STREET FOR WESTBOUND 19TH AVENUE TRAFFIC

MESSAGE PROVIDED SHALL BE (OR AS DIRECTED BY THE ENGINEER):

MESSAGE 1:

34TH
STREET
CONST

MESSAGE 2:

CONST
BEGINS
XXXXXXXX

(DAY OF WEEK)

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

MESSAGE 1:

34TH
STREET
CONST

MESSAGE 2:

SEEK
ALTRNATE
ROUTE

FOR DURATION OF CONSTRUCTION ON 21ST AVENUE, PLACE ONE PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) AT EACH OF THE FOLLOWING LOCATIONS (OR AS DIRECTED BY THE ENGINEER) TO ALERT MOTORISTS OF THE UPCOMING WORK AND CHANGE IN TRAFFIC PATTERNS FOR 21ST AVENUE:

ON RIGHT SIDE OF 21ST STREET NORTH OF 21ST AVENUE FOR SOUTHBOUND 21ST STREET TRAFFIC
ON RIGHT SIDE OF 22ND STREET NORTH OF 19TH AVENUE FOR NORTHBOUND 22ND STREET TRAFFIC
ON RIGHT SIDE OF 21ST AVENUE WEST OF 19TH STREET FOR EASTBOUND 21ST AVENUE TRAFFIC
ON RIGHT SIDE OF US41, MELBURNE BLVD., WEST OF 50TH STREET FOR WESTBOUND TRAFFIC

MESSAGE 1:

21ST
STREET
CONST

MESSAGE 2:

SEEK
ALTRNATE
ROUTE

FOR DURATION OF CONSTRUCTION ON LAKE AVENUE, PLACE ONE PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) AT EACH OF THE FOLLOWING LOCATIONS (OR AS DIRECTED BY THE ENGINEER) TO ALERT MOTORISTS OF THE UPCOMING WORK AND CHANGE IN TRAFFIC PATTERNS FOR LAKE AVENUE:

ON RIGHT SIDE OF 22ND STREET NORTH OF 32ND AVENUE FOR SOUTHBOUND 22ND STREET TRAFFIC
ON RIGHT SIDE OF 22ND STREET SOUTH OF 28TH AVENUE FOR NORTHBOUND 22ND STREET TRAFFIC
ON RIGHT SIDE OF LAKE AVENUE WEST OF 20TH STREET FOR EASTBOUND LAKE AVENUE TRAFFIC
ON RIGHT SIDE OF SR574, DR. MLK JR BLVD WEST OF 50TH STREET FOR WESTBOUND TRAFFIC
ON RIGHT SIDE OF LAKE AVENUE NORTH OF SR 574, DR. MLK JR BLVD FOR WESTBOUND TRAFFIC

MESSAGE 1:

LAKE
AVENUE
CONST

MESSAGE 2:

SEEK
ALTRNATE
ROUTE

TEMPORARY TRAFFIC CONTROL PROJECT NOTES (CONT.)

FOR DURATION OF CONSTRUCTION ON OSBORNE AVENUE, PLACE ONE PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) AT EACH OF THE FOLLOWING LOCATIONS (OR AS DIRECTED BY THE ENGINEER) TO ALERT MOTORISTS OF THE UPCOMING WORK AND CHANGE IN TRAFFIC PATTERNS FOR OSBORNE AVENUE:

ON RIGHT SIDE OF 22ND STREET SOUTH OF ELLICOTT STREET FOR SOUTHBOUND 22ND STREET TRAFFIC
ON RIGHT SIDE OF 22ND STREET NORTH OF CAYUGA STREET FOR NORTHBOUND 22ND STREET TRAFFIC
ON RIGHT SIDE OF OSBORNE AVENUE EAST OF 20TH STREET FOR EASTBOUND LAKE AVENUE TRAFFIC

MESSAGE 1:

OSBORNE
AVENUE
CONST

MESSAGE 2:

SEEK
ALTRNATE
ROUTE

3. AS AN INTEGRAL PART OF ANY LANE CLOSURE, PLACE A PCMS APPROXIMATELY 250 FEET IN ADVANCE OF THE LANE CLOSURE.

DISPLAY PROVIDED SHALL BE (OR AS DIRECTED BY THE ENGINEER):

MESSAGE 1:

LANE
CLOSED
AHEAD

MESSAGE 2:

PREPARE
TO
STOP

DURING LANE CLOSURE, PCMS SHALL NOT BE PLACED MORE THAN 24 HOURS IN ADVANCE OF THE LANE CLOSURE AND SHALL BE REMOVED WITHIN 24 HOURS OF REOPENING THE ROAD.

4. NOTIFY:

THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO A LANE CLOSURE OR DETOUR.

MR. BRIAN GENTRY, PE, CITY OF TAMPA R/W COORDINATOR, AT (813)274-8009, 14 DAYS PRIOR TO A LANE CLOSURE OR DETOUR.

SADE TOLBERT (SCHOOL BOARD OF HILLSBOROUGH COUNTY-TRANSPORTATION/BUS GARAGE) AT (813) 982-5524, ONE WEEK PRIOR TO A LANE CLOSURE, 14 DAYS PRIOR TO A DETOUR.

GREGORY BRACKIN OR RALPH LAVADO (HART LINE) AT (813) 623-5835, ONE WEEK PRIOR TO A LANE CLOSURE OR DETOUR.

THE CITY, FDOT AND LOCAL EMERGENCY AGENCIES (POLICE AND FIRE), 24 HOURS PRIOR TO A LANE CLOSURES OR DETOUR.

VIK BHIDE, CITY OF TAMPA TRAFFIC DESIGN ENGINEER, AT (813) 274-8105, A MINIMUM OF 7 DAYS IN ADVANCE OF A LANE CLOSURE OR DETOUR TO COORDINATE TRAFFIC SIGNAL TIMING ADJUSTMENTS.

5. SINGLE LANE CLOSURE RESTRICTIONS:

NONE

AT THE DISCRETION OF THE ENGINEER, OPEN ANY TEMPORARY LANE CLOSURE CAUSING EXTENDED TRAFFIC CONGESTION (5 MINUTE DELAY) UNTIL TRAFFIC HAS RETURNED TO AN ACCEPTABLE FLOW AS DETERMINED BY THE ENGINEER.

6. COORDINATE BUS STOP LOCATIONS AND ACCESS WITH THE MAINTAINING AGENCY, 14 DAYS PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT INTERFERE WITH NORMAL BUS OPERATIONS.

7. PLACE A PROJECT INFORMATION SIGN, AS DETAILED IN INDEX NO. 102-600, APPROXIMATELY 300 FEET NORTH OF 18TH AVENUE FOR NORTHBOUND TRAFFIC ON 34TH STREET AND 160 FEET NORTH OF E McBERRY STREET FOR SOUTHBOUND TRAFFIC ON 34TH STREET.

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		109
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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

mcannon 4/25/2019 8:45:03 AM P:\FDT\403\03-34thStreet\43764815801\roadway\tcgndr01.dgn

TEMPORARY TRAFFIC CONTROL PROJECT NOTES (CONT.)

8. ADVANCE SIGNAGE FOR THE PROJECT SHALL CONSTITUTE THE FOLLOWING SIGNS AT THE FOLLOWING LOCATIONS:

ROAD WORK 500' (W20-1A) SIGNS PLACED:
ON EAST SIDE OF 34TH STREET 1000' SOUTH OF COLUMBUS DRIVE FOR NORTHBOUND TRAFFIC
ON WEST SIDE OF 34TH STREET 1000' NORTH OF HILLSBOROUGH AVENUE FOR SOUTHBOUND TRAFFIC

ROAD WORK AHEAD (W20-1F) SIGNS PLACED:
ON EAST SIDE OF 34TH STREET SOUTH OF WESTBOUND I-4 OVERPASS
ON WEST SIDE OF 34TH STREET 500' NORTH OF HILLSBOROUGH AVENUE FOR SOUTHBOUND TRAFFIC
ON ALL INTERSECTING STREETS TO 34TH STREET BETWEEN COLUMBUS DRIVE AND HILLSBOROUGH AVENUE

END ROAD WORK (G20-2) SIGNS PLACED:
ON WEST SIDE OF 34TH STREET 500' SOUTH OF COLUMBUS DRIVE FOR SOUTHBOUND TRAFFIC
ON EAST SIDE OF 34TH STREET 500' NORTH OF HILLSBOROUGH AVENUE FOR NORTHBOUND TRAFFIC
ON ALL INTERSECTING STREETS TO 34TH STREET BETWEEN COLUMBUS DRIVE AND HILLSBOROUGH AVENUE

9. PLACE A SPEEDING FINES DOUBLED WHEN WORKERS PRESENT (MOT 14-06) HALFWAY BETWEEN FIRST AND SECOND ADVANCE SIGNS.

10. NOTIFY POTTER EARLY CHILDHOOD CENTER, LOCKHART MAGNET ELEMENTARY SCHOOL, LOMAX MAGNET ELEMENTARY SCHOOL, FERRELL MIDDLE MAGNET SCHOOL, FRANKLIN MIDDLE MAGNET SCHOOL, ORANGE GROVE MIDDLE MAGNET SCHOOL OF THE ARTS, WILLIAMS MIDDLE MAGNET SCHOOL, YOUNG MIDDLE MAGNET SCHOOL, AND MIDDLETON HIGH SCHOOL, A MINIMUM OF 14 DAYS IN ADVANCE OF PREFORMING ANY LANE CLOSURES OR DETOURS. DO NOT RESTRICT ANY ACCESS POINT TO THE SCHOOLS DURING ANY SCHEDULED EVENT.

11. THE CONTRACTOR SHALL PROVIDE A CONTINUOUS PEDESTRIAN PATH, INCLUDING DETOURS AS NECESSARY, THROUGH THE CONSTRUCTION WORK AREA MEETING ADA STANDARDS AND THE INTENT OF INDEX 102-660. PROVIDE A FLAGMAN TO ASSIST PEDESTRIANS THROUGH THE WORK AREA.

TEMPORARY TRAFFIC CONTROL PHASING PLAN

PHASE I

1. PLACE ADVANCE SIGNAGE AND PCMS(S) PER PLANS AND TEMPORARY TRAFFIC CONTROL PROJECT NOTE 3.

PHASE II (INDEX 102-601, 102-602, 102-603, 102-604, 102-605, 102-613, 102-616, AND 102-660)

1. PLACE SIGNS FOR DETOUR(S) FOR FIRST OF THREE ROUNDABOUT INTERSECTION DETOURS.

2. ACTIVATE DETOURS.

3. CONSTRUCT NEW DRAINAGE, STABILIZATION, BASE AND STRUCTURAL COURSE, CURBING, DRIVEWAYS AND SIDEWALK.

4. MILL AS REQUIRED IN THE PLANS. PLACE PAVEMENT WEDGES TO TRANSITION FROM THE ROUNDABOUTS.

5. RE-OPEN INTERSECTION.

PHASE III (INDEX 102-601, 102-602, 102-603, 102-604, 102-605, 102-613, 102-616, AND 102-660)

1. REMOVE DETOUR SIGNING AND DEVICES AND MOVE TO NEXT INTERSECTION DETOUR AND REPEAT PHASE II STEPS 1 THROUGH 5.

PHASE IV (INDEX 102-601, 102-602, 102-603, 102-604, 102-605, 102-613, 102-616, AND 102660)

1. REMOVE DETOUR SIGNING AND DEVICES AND MOVE TO NEXT INTERSECTION DETOUR AND REPEAT PHASE II STEPS 1 THROUGH 5, UNTIL COMPLETION OF THIRD ROUNDABOUT INTERSECTION.

PHASE V (INDICES 102-601 THROUGH 102-607)

1. PLACE SIGNS AND LANE CLOSURES PER THE STANDARD INDICES FOR THE REMAINING IMPROVEMENTS. REMOVE DETOUR SIGNING, AND COMPLETE REMAINING ROADWAY USING LANE CLOSURES.

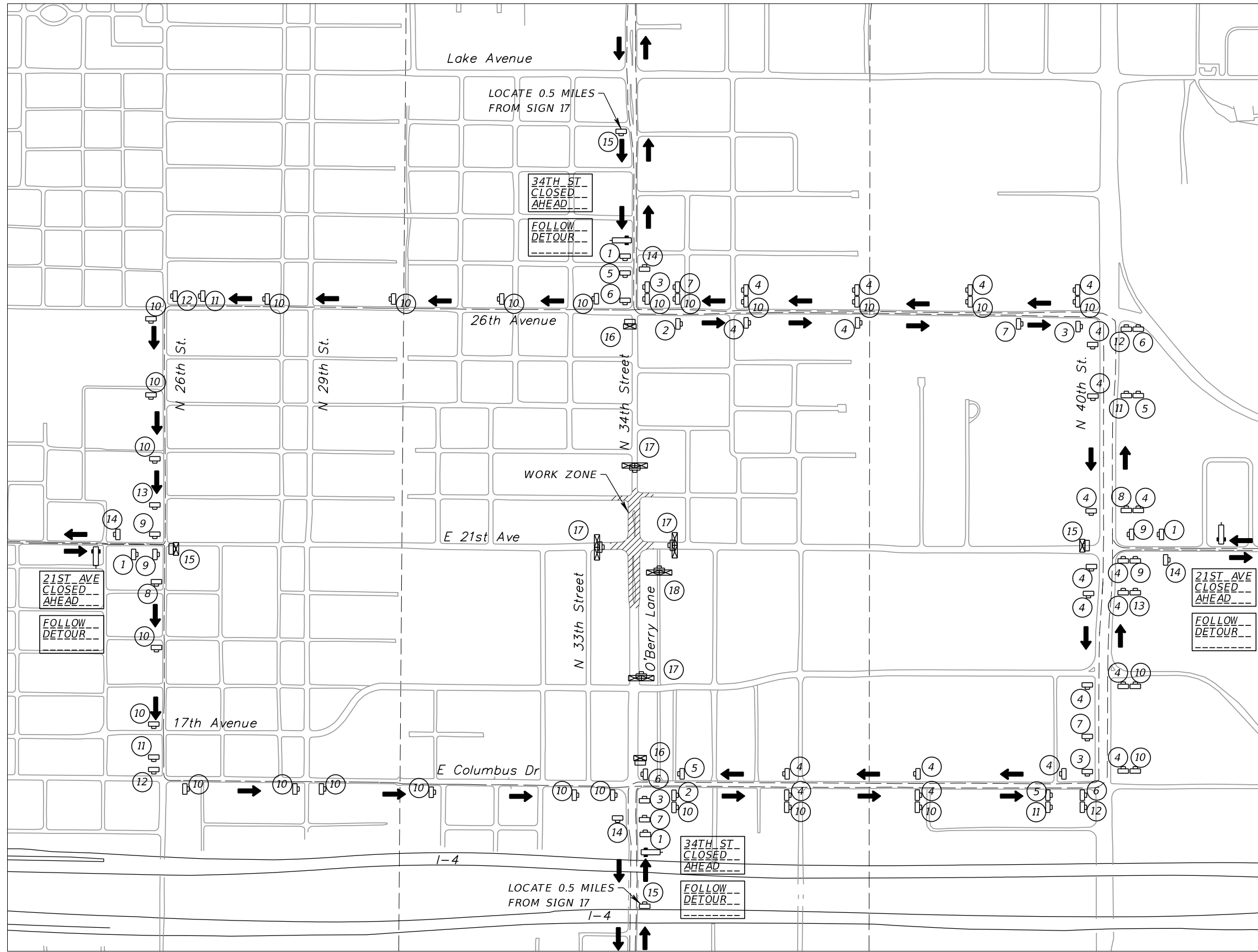
2. PLACE FRICTION COURSE. INSTALL SIGNING AND PAVEMENT MARKINGS (PAINT) IN FINAL PLAN LOCATION.

3. REMOVE LANE CLOSURES AND REOPEN THE ROADWAYS TO TRAFFIC.

PHASE VI (INDEX 102-603)

1. AFTER ASPHALT CURE PERIOD, PLACE FINAL THERMOPLASTIC MARKINGS.

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		
									110



Work Zone Area

Work Zone Sign

Portable Changeable (Variable) Message Sign

Type III Barricade

DETOUR AHEAD

1

BEGIN 34th St

2

34th St

3

34th St

4

34th St

5

34th St

6

34th St

7

BEGIN 21st Ave

8

21st Ave

9

21st Ave

10

21st Ave

11

21st Ave

12

21st Ave

13

END DETOUR

14

ROAD CLOSED 0.5 MILE AHEAD LOCAL TRAFFIC ONLY

15

ROAD CLOSED 1000 FEET AHEAD LOCAL TRAFFIC ONLY

16

ROAD CLOSED TO THRU TRAFFIC

17

ROAD CLOSED

18

W20-2A

1

M4-14

2

GS-1

3

M4-8

4

M6-1R

5

GS-1

6

M4-8

7

M5-1L

8

GS-1

9

M4-8

10

M6-1L

11

GS-1

12

M4-8

13

M5-1R

14

M4-14

8

GS-2

9

M4-8

10

M6-1R

11

GS-2

12

M4-8

13

M6-1L

14

GS-2

15

M4-8

16

M5-1L

17

GS-2

18

M4-8

19

M5-1R

20

M4-14

15

GS-2

16

M4-8

17

M6-1R

18

GS-2

19

M4-8

20

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21

GS-2

22

M4-8

23

M5-1L

24

GS-2

25

M4-8

26

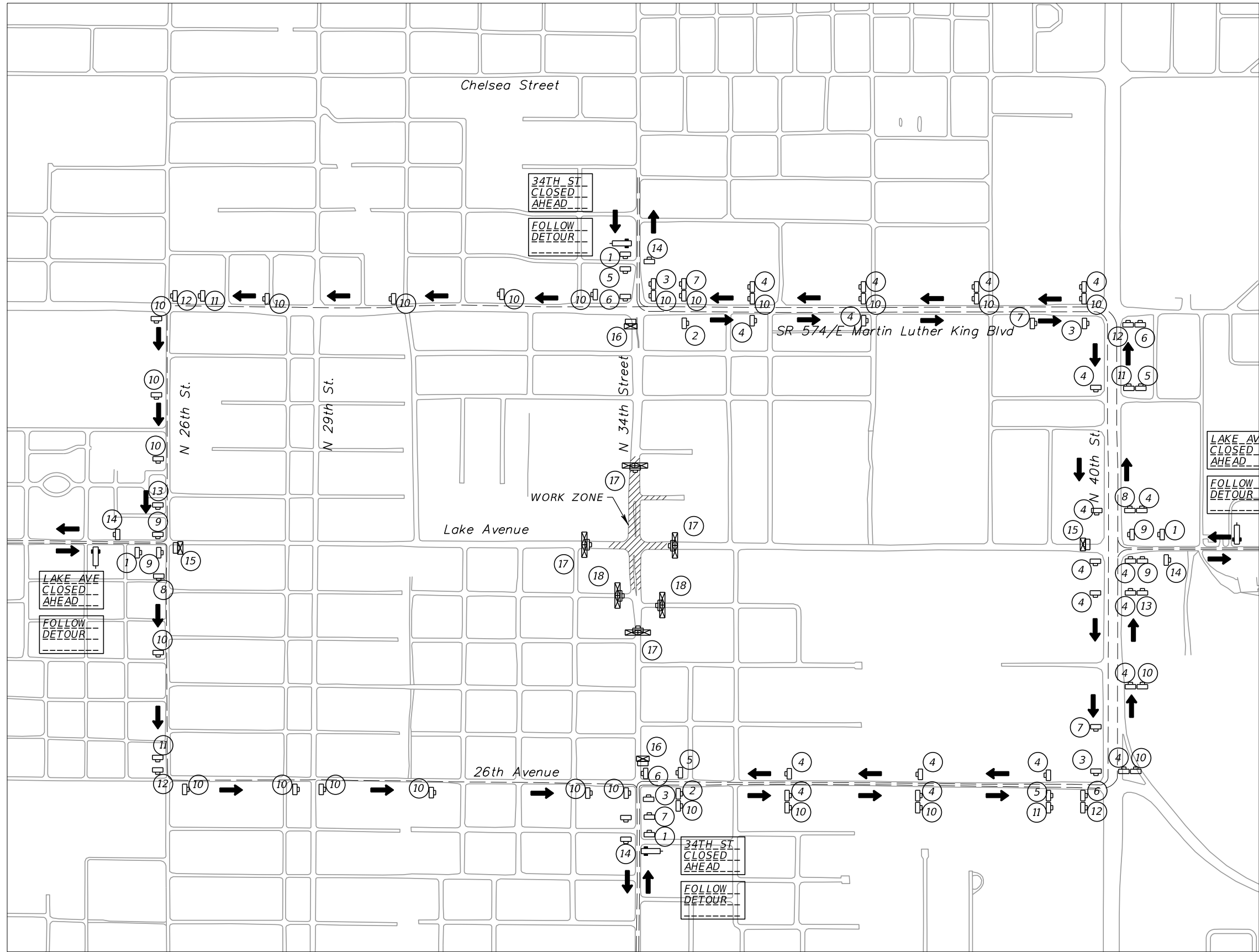
M5-1R

27

34th Street / 21st Avenue Detour

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO. 111
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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Work Zone Area

Work Zone Sign

Portable Changeable (Variable) Message Sign

Type III Barricade

DETOUR AHEAD

W20-2A

1

BEGIN

M4-14

GS-3

DETOUR

M4-8

8

LAKE AVE

GS-3

DETOUR

M4-8

9

→

M6-1R

10

LAKE AVE

GS-3

DETOUR

M4-8

11

↑

M6-3

12

LAKE AVE

GS-3

DETOUR

M4-8

13

←

M5-1L

14

ROAD CLOSED

0.5 MILE AHEAD

LOCAL TRAFFIC ONLY

R11-3A

15

ROAD CLOSED

1000 FEET AHEAD

LOCAL TRAFFIC ONLY

R11-3A

16

ROAD CLOSED

TO THRU TRAFFIC

R11-4

17

ROAD CLOSED

18

LAKE AVE

GS-3

DETOUR

M4-8

3

→

M6-1R

4

34th St

GS-1

DETOUR

M4-8

5

↑

M6-3

6

34th St

GS-1

DETOUR

M4-8

7

←

M5-1L

8

34th St

GS-1

DETOUR

M4-8

9

←

M6-1L

10

34th St

GS-1

DETOUR

M4-8

11

←

M5-1R

12

END

DETOUR

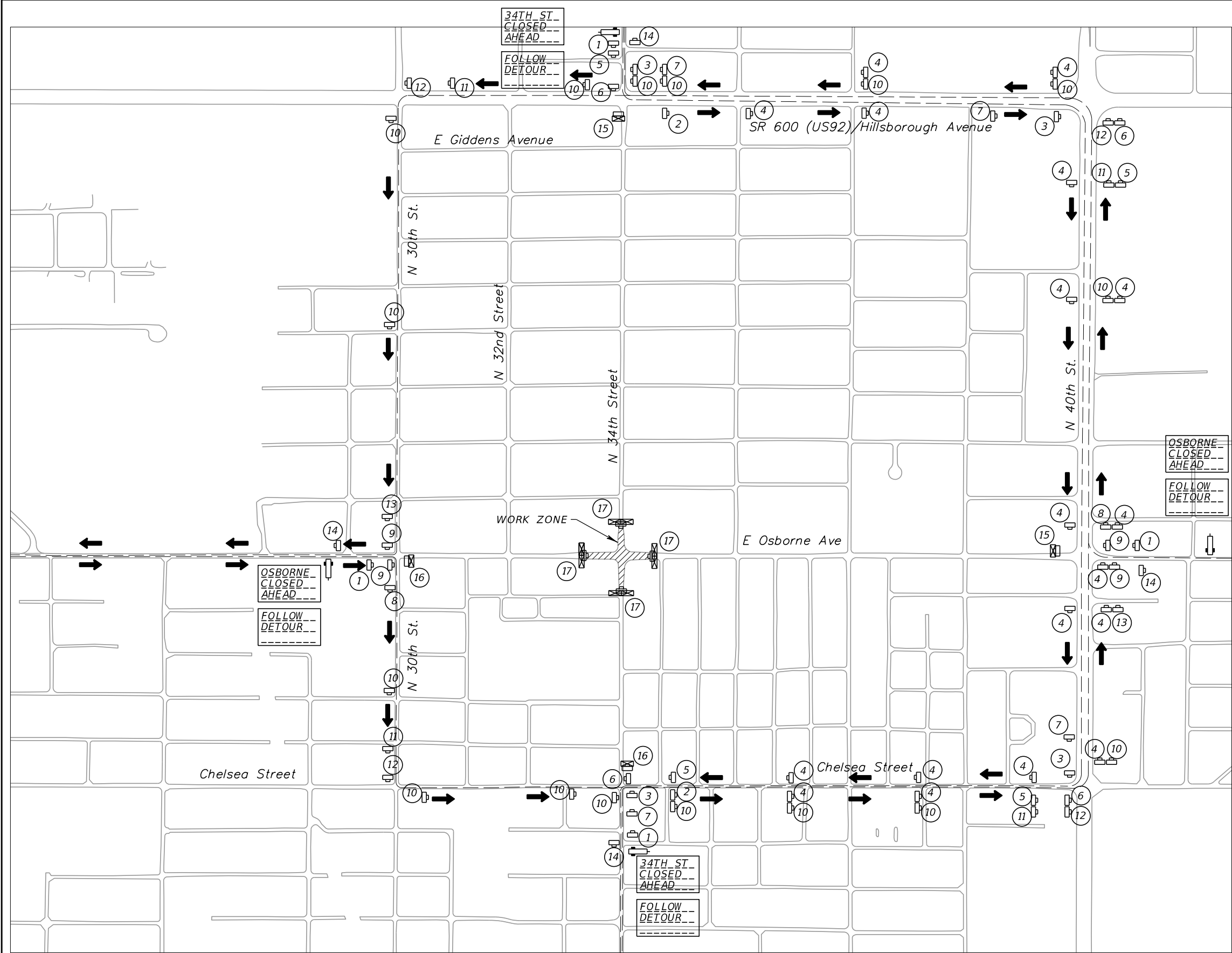
M4-8A

13

34TH STREET / LAKE AVENUE DETOUR

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO. 112
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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



N.T.S.

- Work Zone Area
- Work Zone Sign
- Portable Changeable (Variable) Message Sign
- Type III Barricade

- 1
- 2
- 3
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- 16
- 17

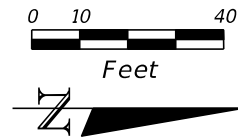
34TH STREET / OSBORNE AVENUE DETOUR

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO. 113
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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

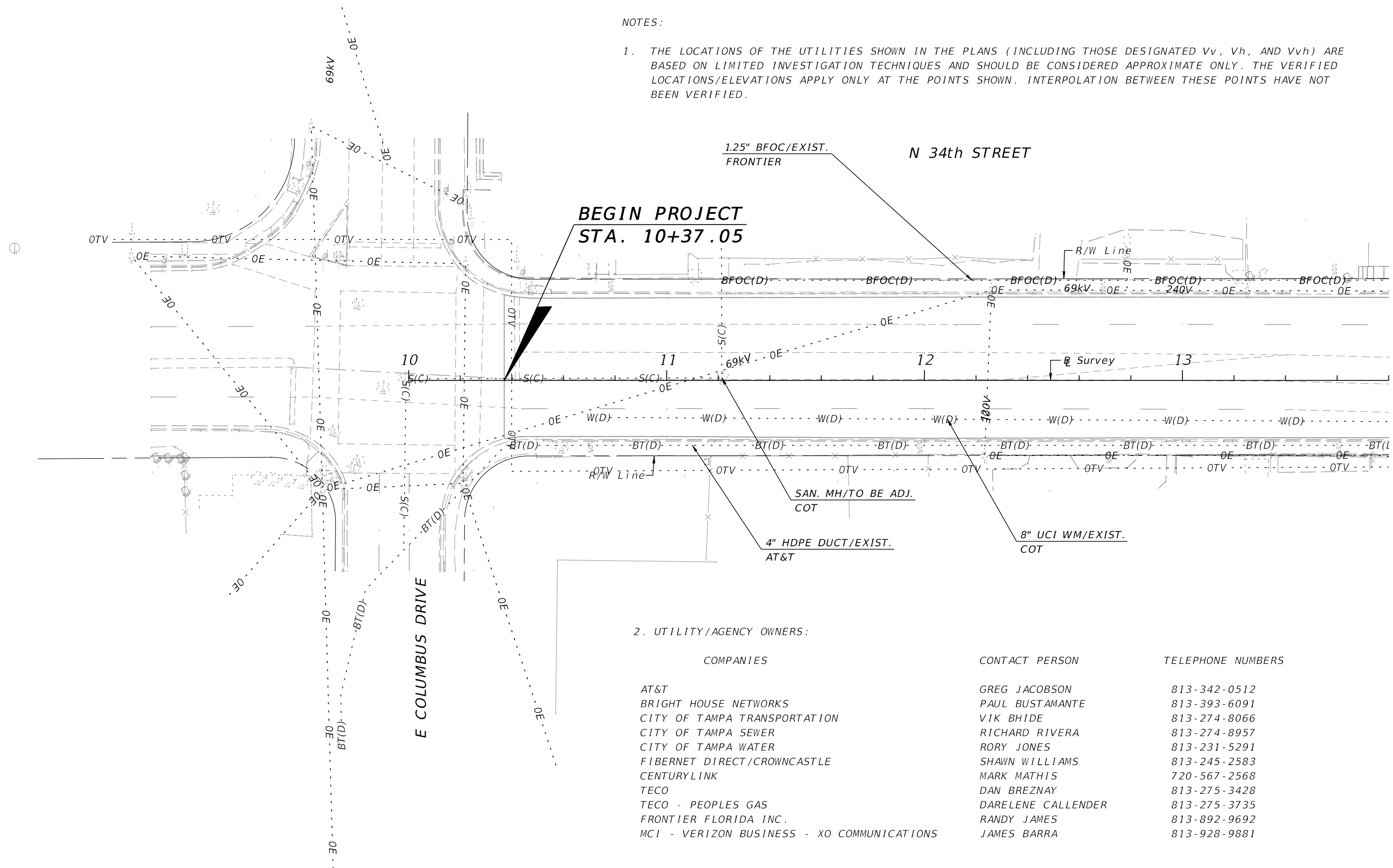
SUMMARY OF VERIFIED UTILITIES									
Vvh #	UTILITY DESCRIPTION (Owner , Type)	SIZE	MATERIALS	SURVEY			EXISTING GROUND ELEVATION	TOP ELEVATION	COMMENTS
				STATION	OFFSET	SIDE			
001	FRONTIER, FIBER OPTIC	2 x 1 ½"	PE	88+02.67	21.23	RT	55.90	53.70	
002	CITY OF TAMPA, WATER	6"	STEEL	88+02.26	12.75	RT	55.67	52.07	
003	CITY OF TAMPA, WATER	8"	STEEL	24+07.39	40.81	LT	49.81	46.86	
004	FRONTIER, TELEPHONE	4"	PVC	24+07.48	41.42	LT	49.82	47.03	
005	CITY OF TAMPA, WATER	8"	STEEL	24+10.82	42.95	LT	49.88	46.75	
006	CITY OF TAMPA, WATER	8"	STEEL	23+63.51	64.16	LT	48.88	46.06	
007	CITY OF TAMPA, WATER	8"	STEEL	24+13.00	39.30	RT	50.03	44.73	
008	AT&T, FIBER OPTIC	4"	PE	24+14.26	31.70	RT	49.49	41.83	
009	CITY OF TAMPA, WATER	8"	STEEL	49+25.80	51.83	LT	50.67	47.79	
010	TECO PEOPLES GAS, GAS	4"	HDPE	49+80.48	84.3	RT	50.91	48.77	
011	CITY OF TAMPA, WATER	6"	STEEL	50+26.38	84.5	RT	50.57	49.18	
012	FRONTIER, FIBER OPTIC	4"	HDPE	50+68.68	20.2	RT	51.57	42.71	
013	CITY OF TAMPA, UNKOWN (POSSIBLE WATER)	2"	STEEL	50+68.73	19.9	RT	51.56	49.08	
014	CITY OF TAMPA, WATER	8"	STEEL	50+68.61	17.6	RT	51.74	47.14	
015	CITY OF TAMPA, SEWER	8"	TERRA COTTA	50+68.62	13.2	RT	51.21	45.95	
016	CITY OF TAMPA, UNKOWN (POSSIBLE WATER)	2"	STEEL	50+31.98	20.5	RT	50.77	48.15	
017	CITY OF TAMPA, WATER	8"	STEEL	50+32.10	17.8	RT	50.81	46.90	
018	CITY OF TAMPA, SEWER	8"	TERRA COTTA	50+32.21	13.5	RT	50.93	45.80	
019	CITY OF TAMPA, WATER	8"	WRAPPED DIP	50+41.25	85.8	LT	50.96	48.33	
020	FRONTIER, TELEPHONE	½"	DB CABLE	50+40.48	85.5	LT	50.88	48.33	
021	FRONTIER, TELEPHONE	½"	DB CABLE	50+40.17	120.3	LT	51.23	48.59	
022	CITY OF TAMPA, WATER	8"	WRAPPED DIP	50+35.67	119.2	LT	50.81	47.52	
023	CITY OF TAMPA, WATER	8"	STEEL	50+10.96	119.6	LT	50.79	47.51	
024	CITY OF TAMPA, SEWER	8"	TERRA COTTA	50+12.19	121.2	LT	50.82	45.45	
025	CITY OF TAMPA, SEWER	8"	TERRA COTTA	50+10.78	84.8	RT	50.83	46.03	
026	CITY OF TAMPA, WATER	4"	STEEL	49+95.48	84.8	RT	50.58	47.66	
027	CITY OF TAMPA, TRAFFIC SIGNAL	2"	PVC	50+34.14	28.9	RT	50.79	46.74	
028	AT&T, FIBER OPTIC	4"	PE	50+35.96	20.2	RT	50.78	42.23	
029	CITY OF TAMPA, WATER	8"	STEEL	50+55.57	15.7	LT	51.61	46.71	
030	CITY OF TAMPA, TRAFFIC SIGNAL	2 x 2"	PVC	50+54.54	15.7	LT	51.61	46.96	
031	TECO PEOPLES GAS, GAS	4"	HDPE	50+34.49	2.1	RT	51.26	46.51	
032	TECO PEOPLES GAS, GAS	4"	HDPE	50+69.00	2.0	RT	51.46	46.11	
033	FPL FIBERNET, FIBER OPTIC	UNKNOWN	UNKNOWN	49+87.82	20.2	RT	51.15	N/A	PROBED TO 10' ELECTRONIC DEPTH 19'
034	TECO PEOPLES GAS, GAS	2"	STEEL	49+82.14	19.0	LT	51.11	46.96	
035	CITY OF TAMPA, WATER	8"	STEEL	50+33.71	50.9	RT	50.69	46.93	
036	CITY OF TAMPA, SEWER	8"	TERRA COTTA	53+07.86	13.6	RT	51.69	46.73	
037	TECO PEOPLES GAS, GAS	2"	HDPE	53+09.80	13.3	RT	51.68	49.18	
038	TECO PEOPLES GAS, GAS	4"	HDPE	53+04.05	2.8	RT	51.91	48.27	
039	CITY OF TAMPA, SEWER	UNKNOWN	TERRA COTTA	88+02.83	17.6	RT	55.87	50.71	
040	AT&T, FIBER OPTIC	4"	HDPE	88+02.03	18.1	LT	55.87	47.99	
041	CITY OF TAMPA, WATER	8"	STEEL	89+89.96	88.8	LT	56.17	52.77	
042	FRONTIER, TELEPHONE	4 x 4"	PVC	90+94.58	22.3	LT	56.25	52.17	
043	AT&T, FIBER OPTIC	4"	HDPE	90+94.65	17.5	LT	56.16	N/A	PROBED TO 10' ELECTRONIC DEPTH 13'
044	CITY OF TAMPA, SEWER	8"	TERRA COTTA						

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NOTES:

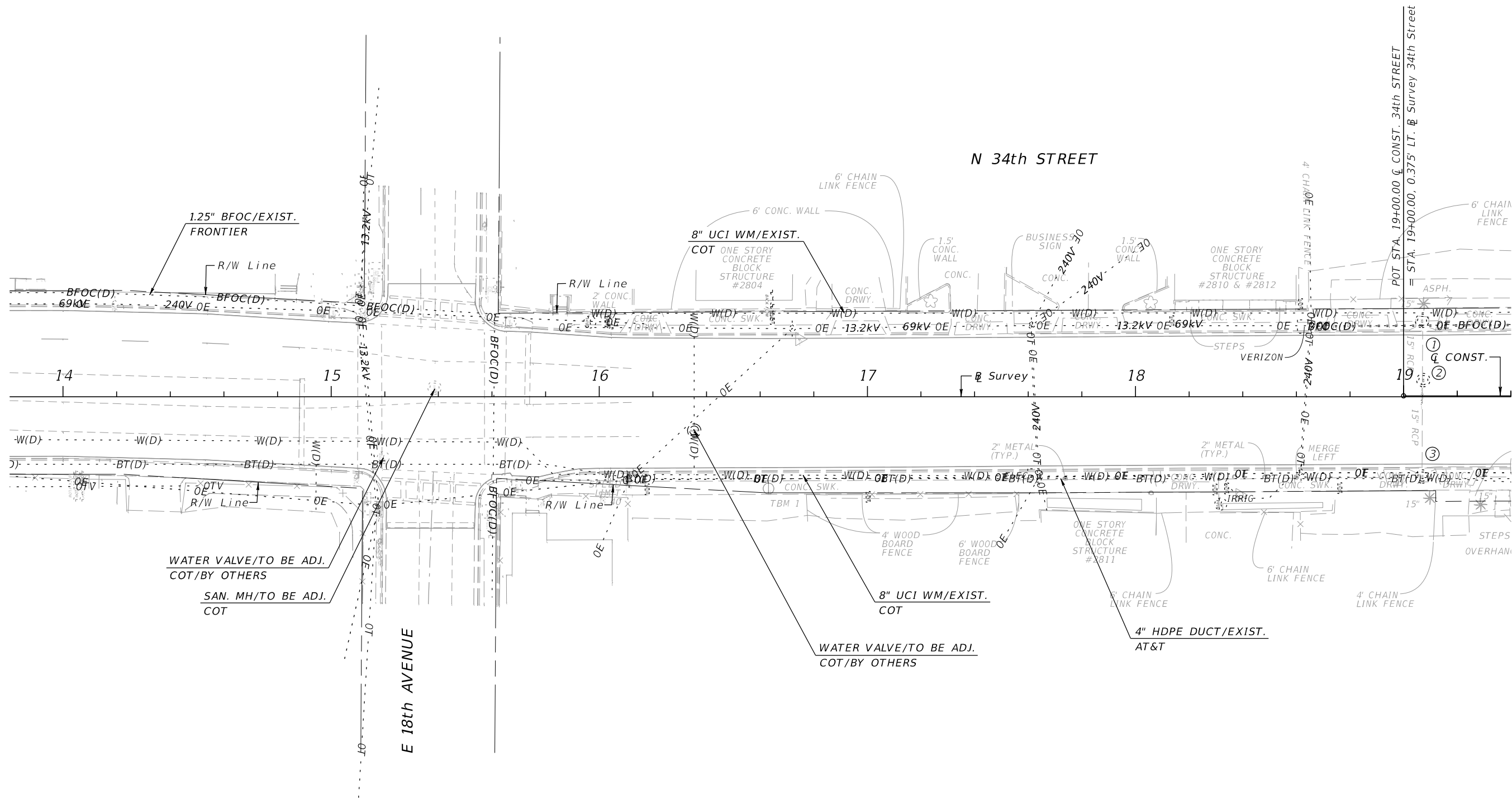
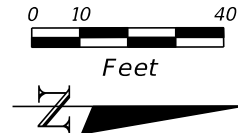
1. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATION BETWEEN THESE POINTS HAVE NOT BEEN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



2. UTILITY/AGENCY OWNERS:

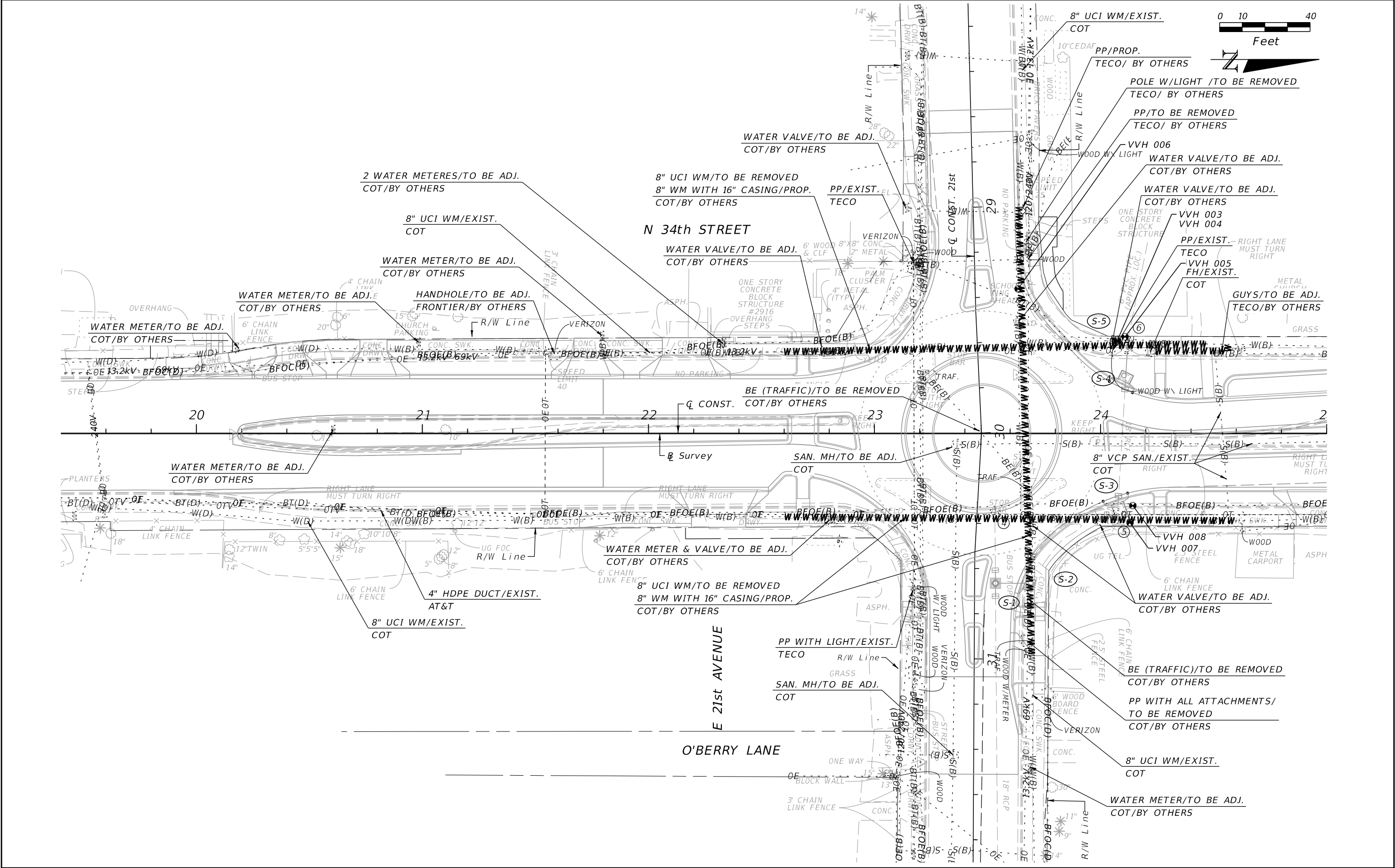
COMPANIES	CONTACT PERSON	TELEPHONE NUMBERS
AT&T	GREG JACOBSON	813-342-0512
BRIGHT HOUSE NETWORKS	PAUL BUSTAMANTE	813-393-6091
CITY OF TAMPA TRANSPORTATION	VIK BHIDE	813-274-8066
CITY OF TAMPA SEWER	RICHARD RIVERA	813-274-8957
CITY OF TAMPA WATER	RORY JONES	813-231-5291
FIBERNET DIRECT/CROWNCastle	SHAWN WILLIAMS	813-245-2583
CENTURYLINK	MARK MATHIS	720-567-2568
TECO	DAN BREZNAY	813-275-3428
TECO - PEOPLES GAS	DARELENE CALLENDER	813-275-3735
FRONTIER FLORIDA INC.	RANDY JAMES	813-892-9692
MCI - VERIZON BUSINESS - XO COMMUNICATIONS	JAMES BARRA	813-928-9881

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			UTILITY ADJUSTMENTS	SHEET NO. 115
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		



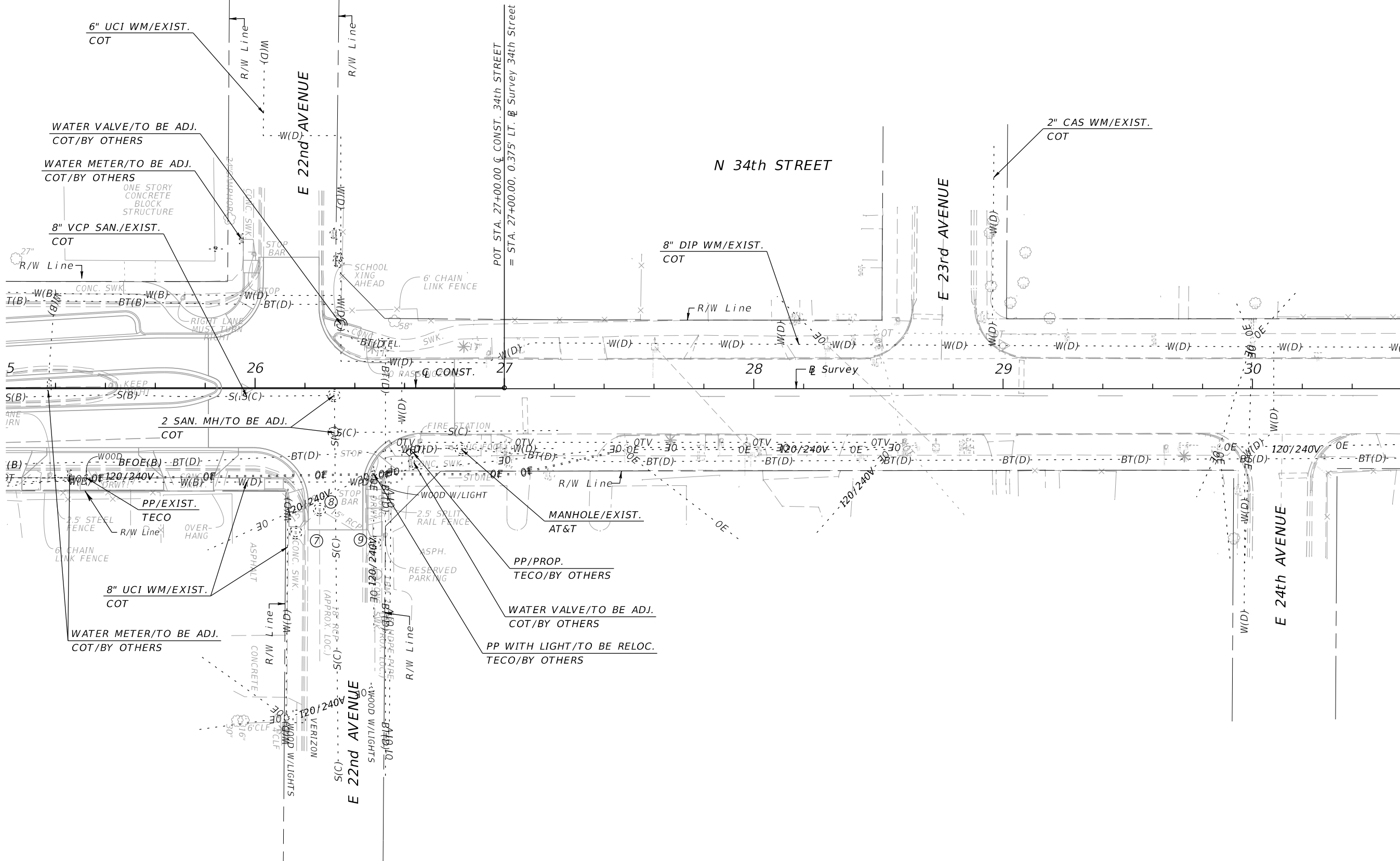
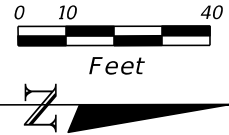
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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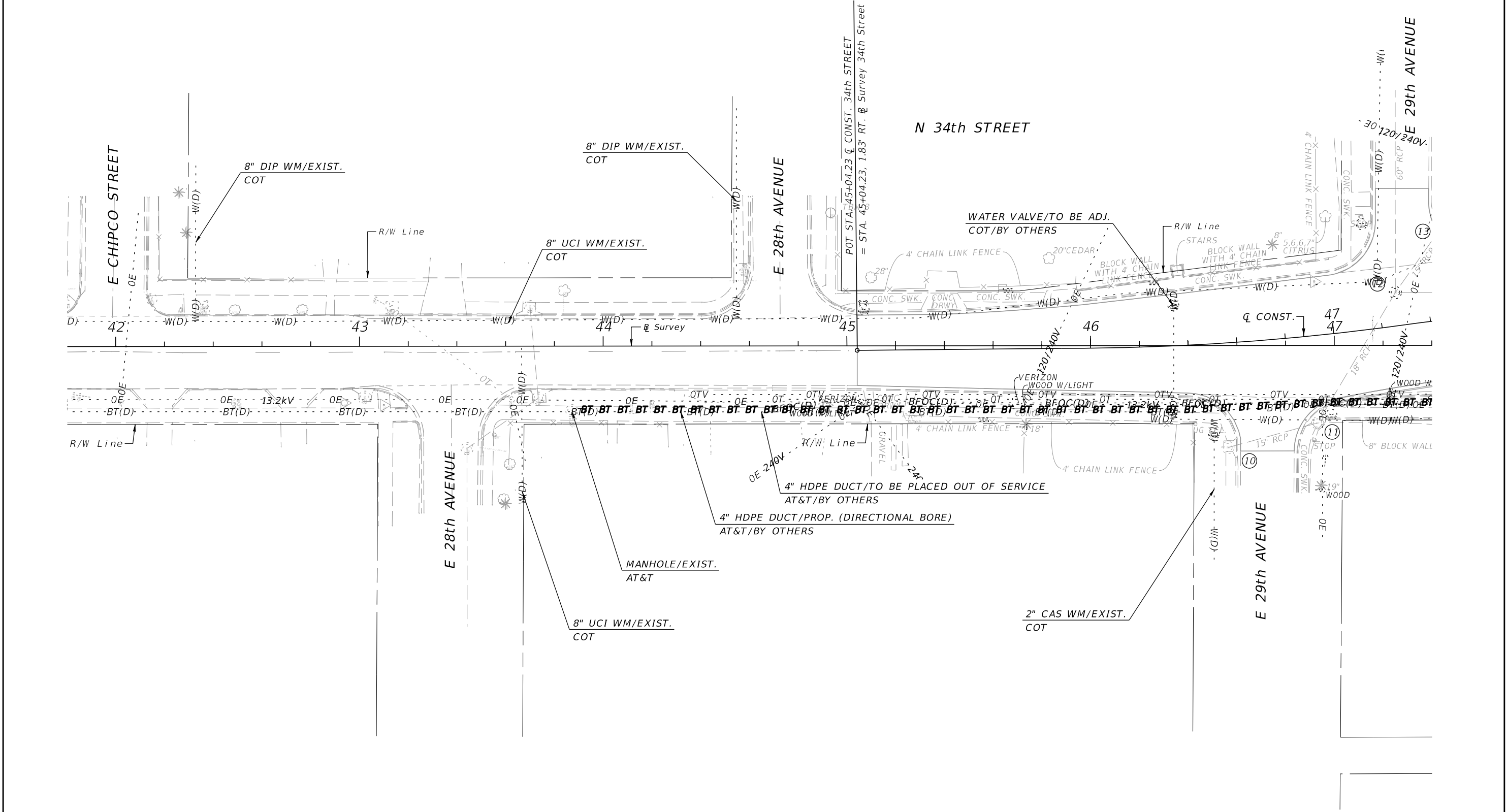
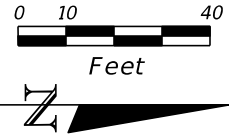
REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			UTILITY ADJUSTMENTS	SHEET NO. 117
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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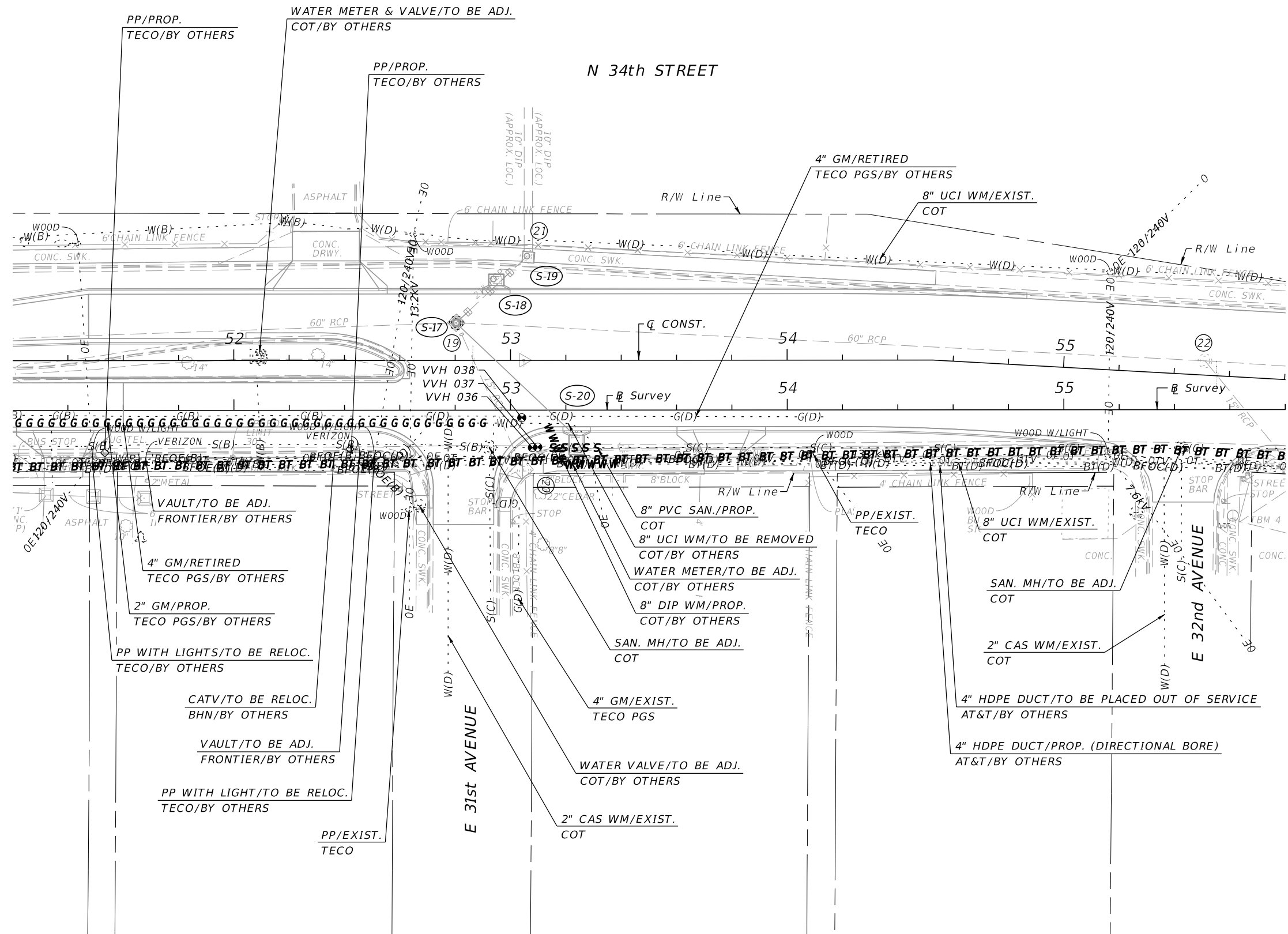
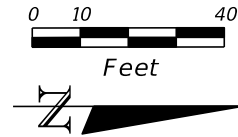
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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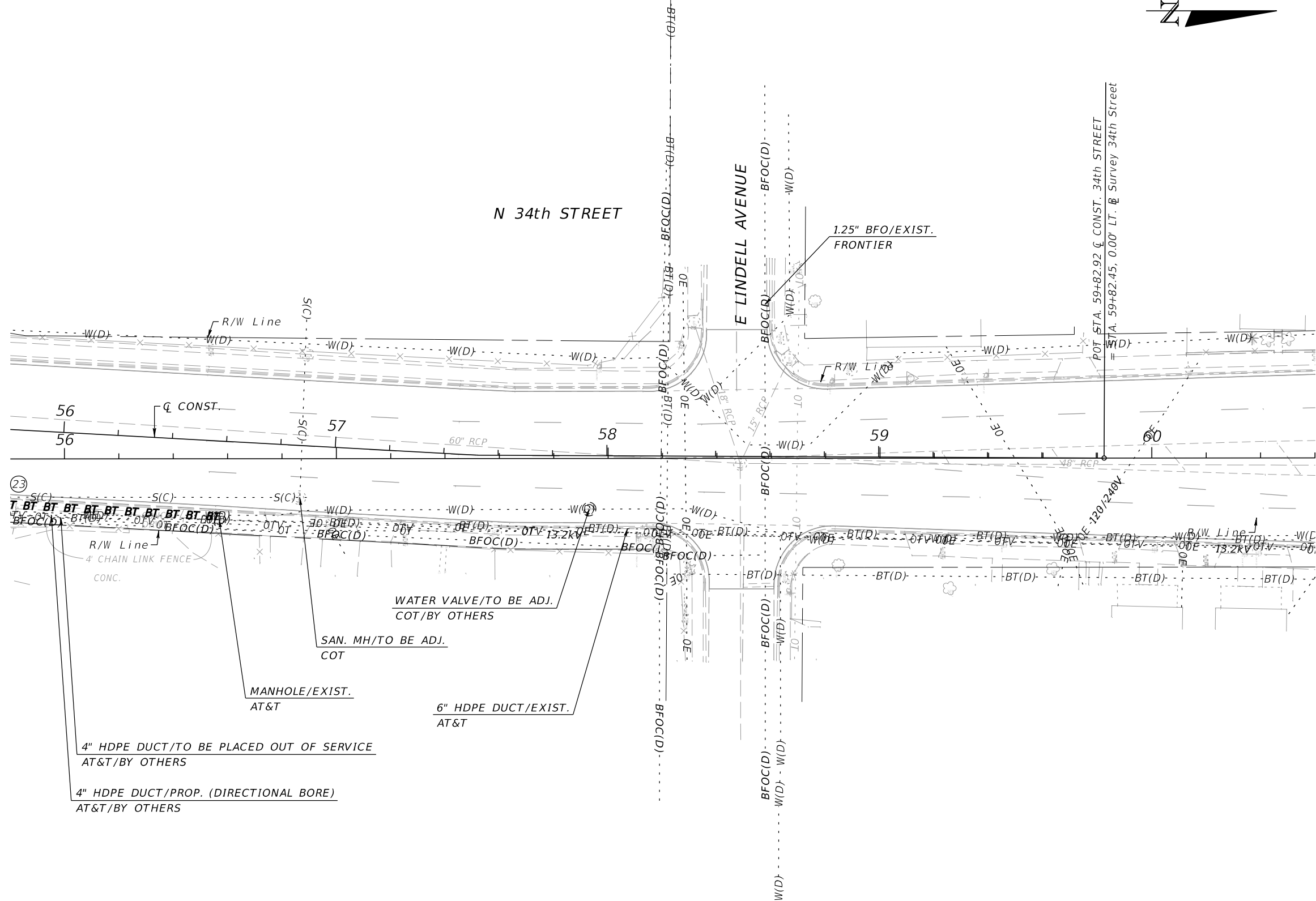
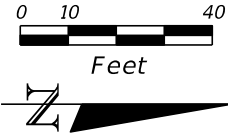
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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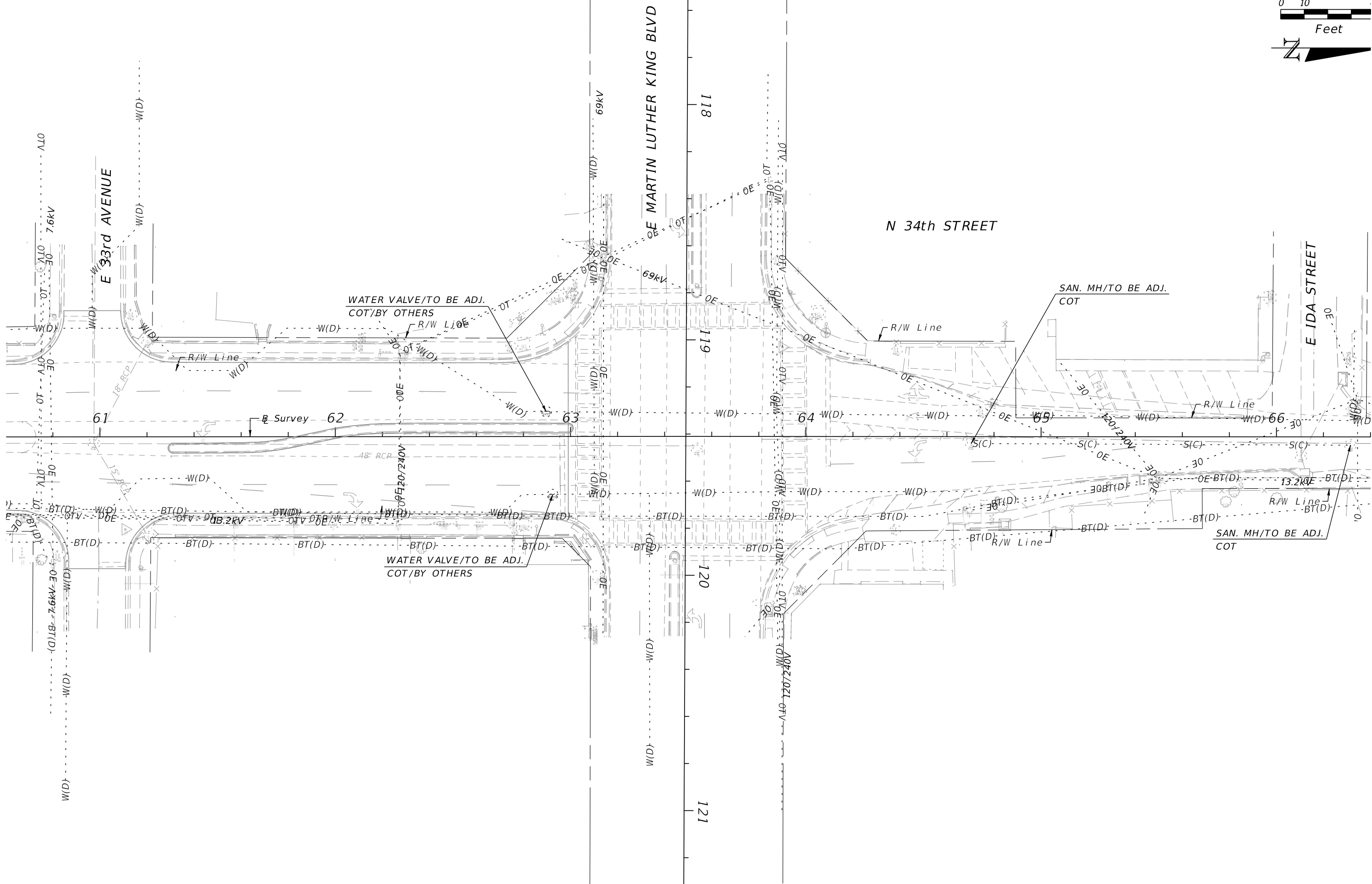
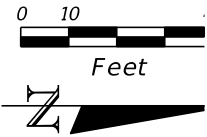
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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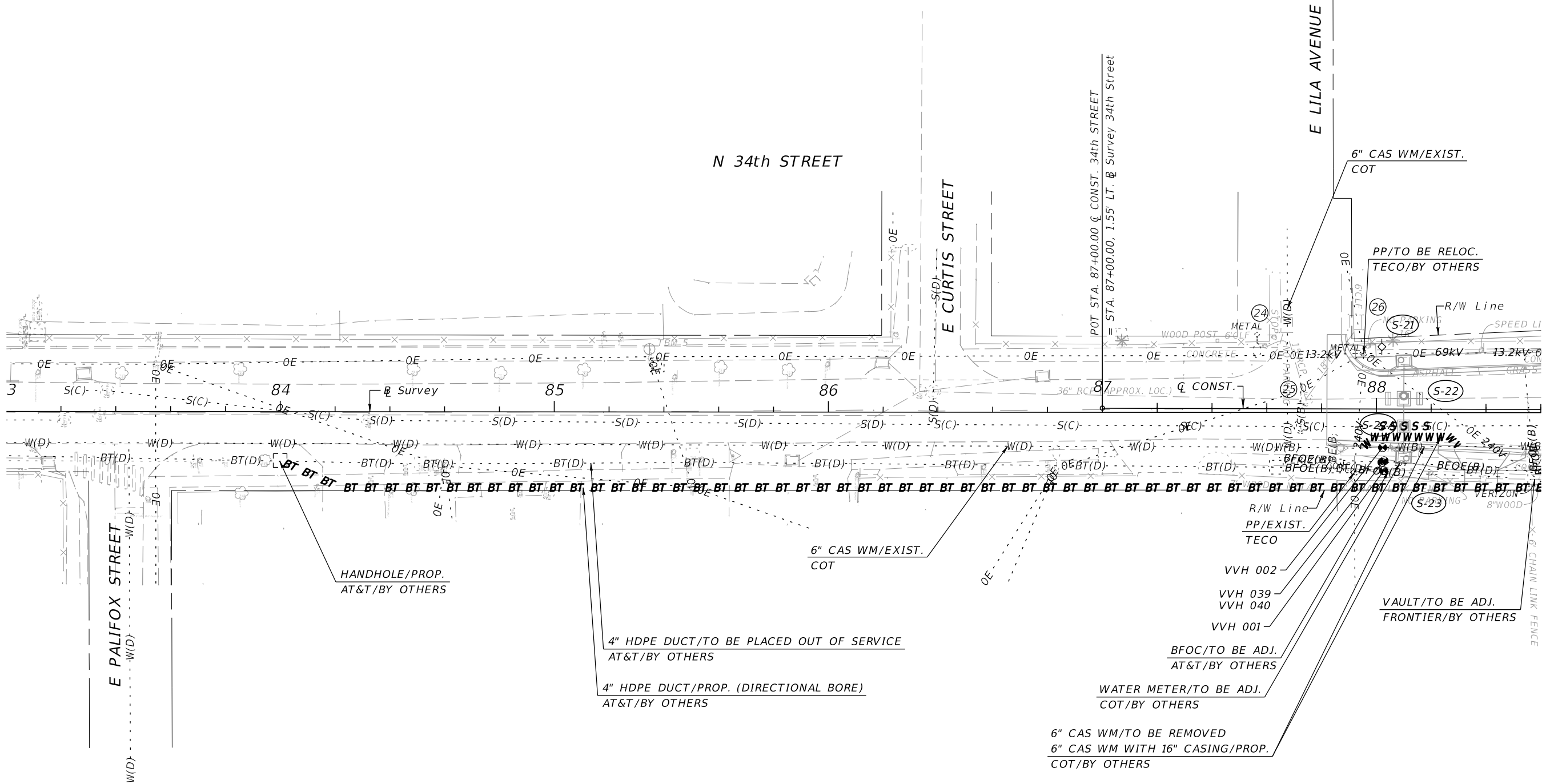
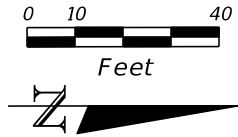
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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



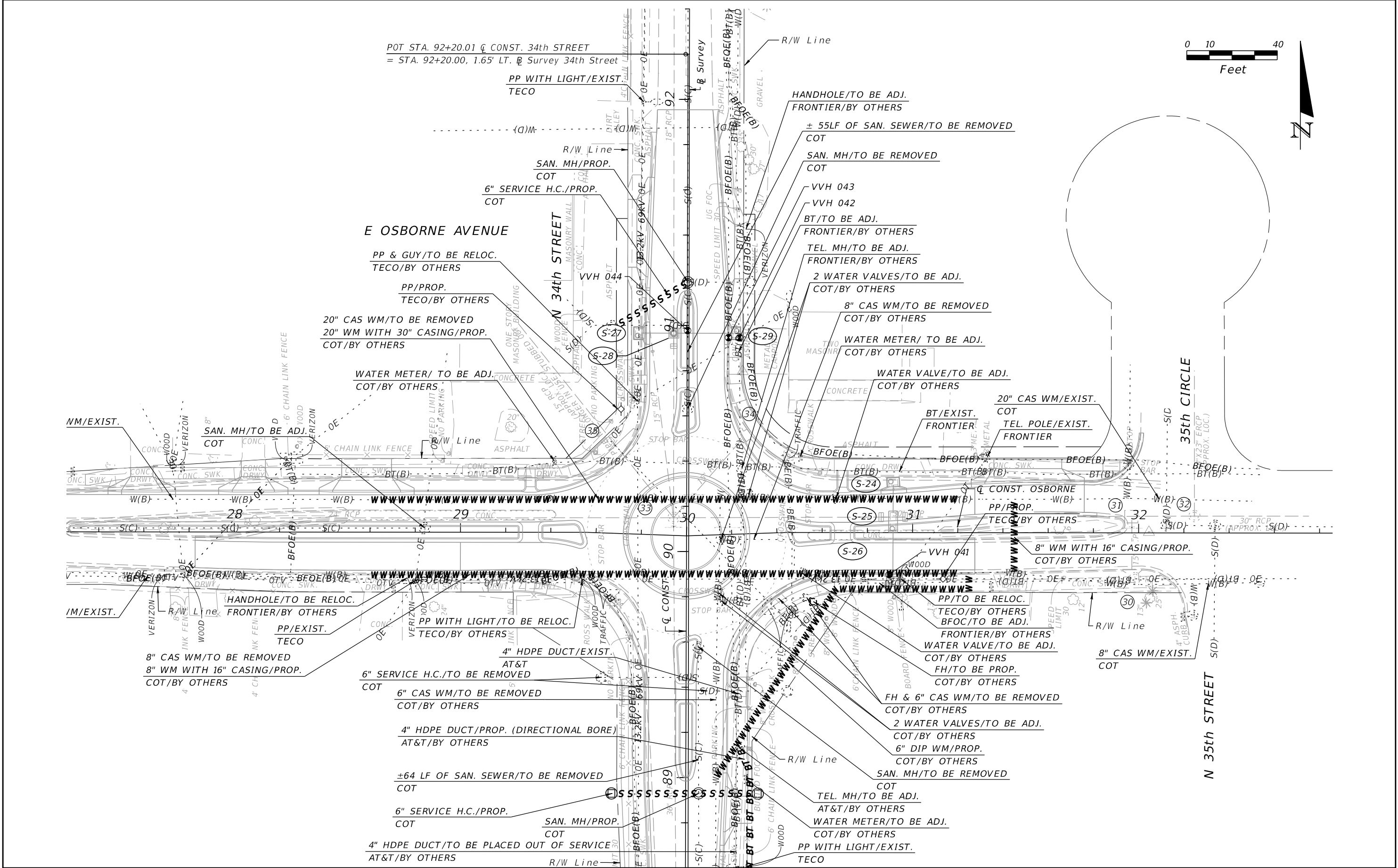
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		123

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



REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			UTILITY ADJUSTMENTS	SHEET NO. 124
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			UTILITY ADJUSTMENTS	SHEET NO. 125
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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

1. AT LEAST THREE (3) WEEKS PRIOR TO ANY CONSTRUCTION, CONTACT THE WASTEWATER DEPARTMENT PLANNING SECTION'S FIELD INSPECTOR, ALEX GONZALEZ, 2545 GUY N VERGER BOULEVARD, TAMPA, FLORIDA 33605 (PHONE 813-274-1293), AND SUPPLY HIM WITH FURTHER CONSTRUCTION INFORMATION. THIS INFORMATION SHOULD INCLUDE ALL REQUIRED SHOP DRAWINGS, THE CONTRACTOR'S NAME, STARTING DATE, PROJECTED SCHEDULE, AND OTHER INFORMATION REQUIRED BY THE PLANNING SECTIONS. THE PLANNING SECTION OFFICE MUST ALSO BE CONTACTED BY TELEPHONE FIVE (5) DAYS PRIOR TO THE ACTUAL START OF FIELD OPERATIONS IN ORDER TO ENSURE AVAILABILITY OF INSPECTION PERSONNEL. IT IS IMPERATIVE THAT ANY SUB-CONTRACTOR BE FULLY INFORMED OF THE NOTIFICATION AND SUBMITTAL REQUIREMENTS. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL DELAY THE APPROVAL AND ACCEPTANCE OF THE CONSTRUCTED FACILITIES AND THE RELEASE OF THE CERTIFICATE OF OCCUPANCY FOR THE PROJECT.
2. PERFORM AN INFILTRATION/EXFILTRATION TEST ON ALL GRAVITY SEWERS AND A PRESSURE TEST ON ALL FORCE MAINS (AS APPLICABLE) IN ACCORDANCE WITH CITY OF TAMPA REGULATIONS. SAID TESTS ARE TO BE CERTIFIED BY THE ENGINEER OF RECORD AND SUBMITTED TO THE CITY OF TAMPA WASTEWATER DEPARTMENT FOR APPROVAL.
3. ONE OR MORE OF THE FOLLOWING CERTIFICATES/SHOP DRAWINGS, DEPENDING ON THE TYPE OF CONNECTIONS, WILL BE REQUIRED:
- A. DUCTILE IRON PIPE (DIP) OR POLY-VINYYL CHLORIDE (PVC) CERTIFICATE OF MANUFACTURE
 - B. MANHOLE SHOP DRAWINGS AND CONCRETE STRENGTH REPORT
 - C. FRAME AND COVER SHOP DRAWINGS
 - D. FLEXIBLE COUPLING SHOP DRAWINGS
 - E. CASING PIPE CERTIFICATE
 - F. JACKING PIT DETAIL
 - G. CRUSHED STONE SUBMITTAL
 - H. VALVE SHOP DRAWINGS
 - I. MANHOLE DROP CONNECTION DETAIL

THESE ITEMS MUST BE SUBMITTED, REVIEWED, AND APPROVED PRIOR TO STARTING CONSTRUCTION.

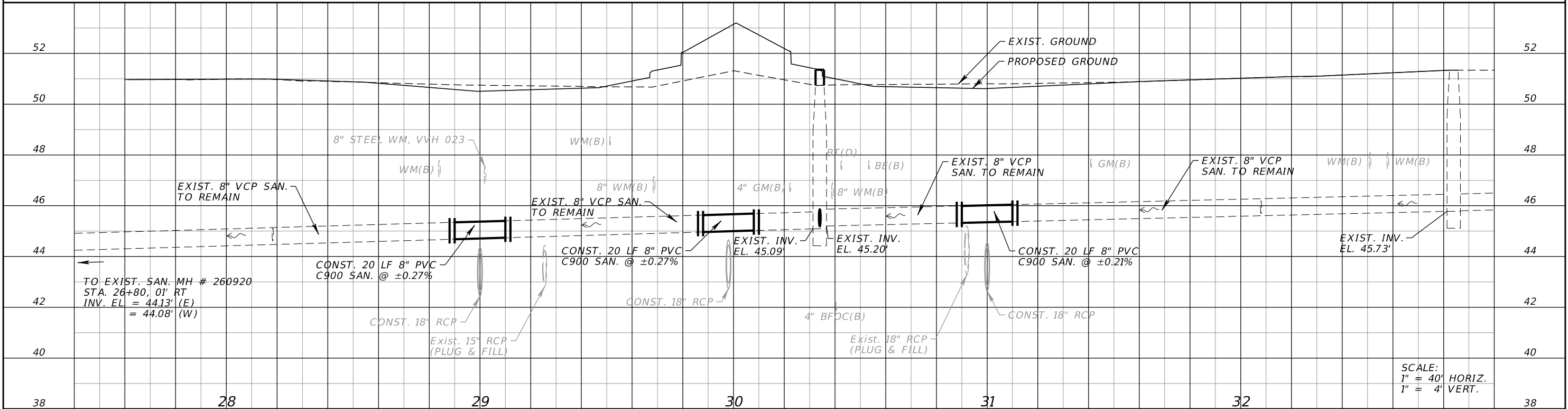
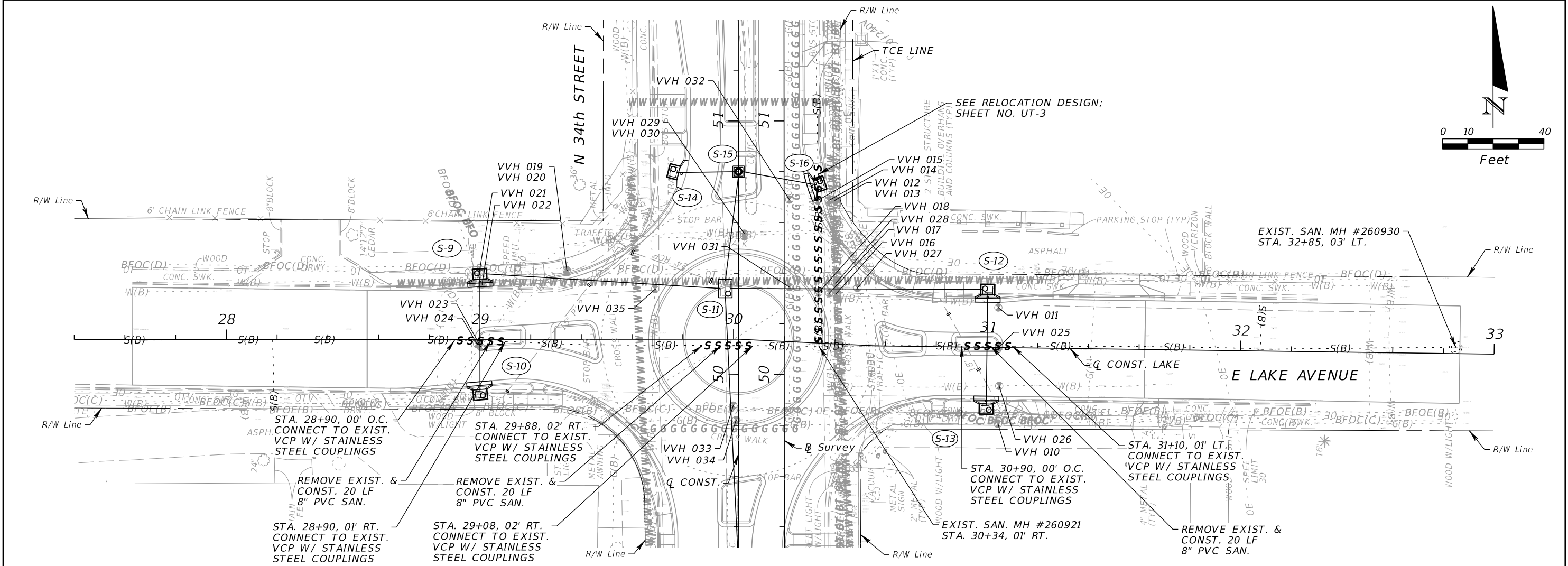
4. THE CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL THE FOLLOWING HAS BEEN COMPLETED:
- A. FINAL INSPECTION IN CONJUNCTION WITH DEPARTMENT PERSONNEL
 - B. AS-BUILTS HAVE BEEN SUBMITTED AND ACCEPTED
 - C. ALL NECESSARY TESTING COMPLETED AND CERTIFIED
 - D. PAYMENT OF ALL CAPACITY FEES
 - E. ISSUANCE OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) CERTIFICATION OF COMPLETION APPROVAL (IF APPLICABLE)
5. PROPOSED GRAVITY SEWER SHALL BE CONSTRUCTED OF GREEN, SDR-35 (UNLESS OTHERWISE SPECIFIED, PVC MEETING THE REQUIREMENTS OF ASTM D-3034.
6. THE GRAVITY SEWER SHALL BE INSTALLED WITH A METALLIC LOCATING WIRE IN ACCORDANCE WITH THE CITY'S PVC PIPE LOCATING WIRE DETAIL.
7. THE GRAVITY SEWER SHALL BE INSTALLED USING "CLASS C" BEDDING UNLESS OTHERWISE SPECIFIED.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SERVICE TO THE PROPERTY OWNERS DURING CONSTRUCTION. THE CONTRACTOR MAY BE REQUIRED TO PERFORM THE WORK DURING LOW-FLOW PERIODS AT NIGHT AND/OR COORDINATE SHUT DOWNS WITH THE PRIVATE PUMP STATION OWNERS.
9. ALL GRAVITY SEWER CONSTRUCTION IS TO BE INSTALLED BY OPEN TRENCH METHODS.
10. SUBMIT A SHOP DRAWING, DETAILING THE METHOD OF CONNECTING THE PROPOSED PIPE TO THE MANHOLE AND MAKING IT WATERTIGHT. FOR PVC PIPE CONNECTION TO MANHOLES, USE A FLEXIBLE RUBBER BOOT, PRECAST INTO THE MANHOLE. THE BOOT SHALL HAVE STAINLESS STEEL BANDS TO COMPRESS AND SEAL TO THE PROPOSED PIPE OR SHALL BE A COMPRESSION TYPE, SUCH AS A-LOCK. SHOULD THE FLEXIBLE RUBBER BOOT NEED TO BE RELOCATED OR WHEN CONNECTING TO AN EXISTING MANHOLE, THE CONTRACTOR SHALL PERFORM THE CONNECTION BY ONE OF TWO METHODS. THE PREFERRED METHOD IS TO CORE THE MANHOLE AND INSTALL A RUBBER BOOT. THE RUBBER BOOT SHALL BE MANUFACTURED BY KOR-N-SEAL, OR EQUAL. THE BOOT SHALL BE INSTALLED AND THE PVCP CONNECTION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. IF THE MANHOLE CANNOT BE CORED OR IF THE MANHOLE IS CONSTRUCTED OF BRICK, THE CONNECTION SHALL BE MADE WITH A PVC MANHOLE ADAPTER WHICH HAS AN EXTERIOR IMPREGNATED SILICA SURFACE LAYER. THE ADAPTER SHALL BE MANUFACTURED BY GPK PRODUCTS, INC., FARGO, ND, OR EQUAL. THE ADAPTER SHALL BE INSTALLED AND GROUTED INTO THE MANHOLE WALL IN

ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS WITH NONSHRINK GROUT. THE PVCP SHALL BE INSERTED THROUGH THE ADAPTER.

11. THE JOINING OF CLAY PIPE TO DUCTILE IRON PIPE OR CLAY PIPE TO PVC PIPE, SHALL BE ACCOMPLISHED WITH FLEXIBLE COMPRESSION COUPLINGS. COUPLINGS SHALL INCLUDE STAINLESS STEEL SHEAR RINGS AND STAINLESS STEEL COMPRESSION BANDS. SUCH COUPLINGS SHALL MEET THE REQUIREMENTS OF ASTM: C 425, ASTM C1173 AND SHALL BE SERIES NO. 5000 STAINLESS STEEL SHIELDED COUPLINGS AS MANUFACTURED BY FERNCO JOINT SEALER CO., FERNDALE, MICHIGAN; BAND-SEAL COUPLINGS AS MANUFACTURED BY MISSION CLAY PRODUCTS CORP., WHITTIER, CALIFORNIA; OR APPROVED EQUAL. AFTER THE JOINT HAS BEEN COMPLETED, ANY VOIDS IN THE EXCAVATION BENEATH THE COUPLING SHALL BE THOROUGHLY TAMPED FULL OF GRANULAR FILL MATERIAL TO PROVIDE A FULL BEARING FOR THE PIPE AND PREVENT EXCESSIVE PRESSURE ON THE BOTTOM OF THE JOINT.
12. ALL CASINGS SHALL BE STEEL/DIP WITH PROTECTO 401 EPOXY INTERIOR LINING OR SIMILAR COATING. STEEL PIPE USED AS A CASING THROUGH THE STORM BOX SHOULD HAVE AN EXTERIOR EPOXY COATING. IF CASING IS BURIED, WRAP CASING WITH POLYETHYLENE BAG. CASING DIAMETER SHALL BE THE SMALLEST DIAMETER POSSIBLE THAT WILL ACCOMMODATE SEWER PIPE WITH CASCADE CASING SPACERS.
13. ALL INVERTS OF PROPOSED AND EXISTING PIPES THAT CONNECT TO MANHOLES SHALL BE FIELD VERIFIED PRIOR TO THE START OF CONSTRUCTION.
14. ALL PVC PIPES SHALL MEET AWWA CLASS 150 C900 PIPE STANDARDS.

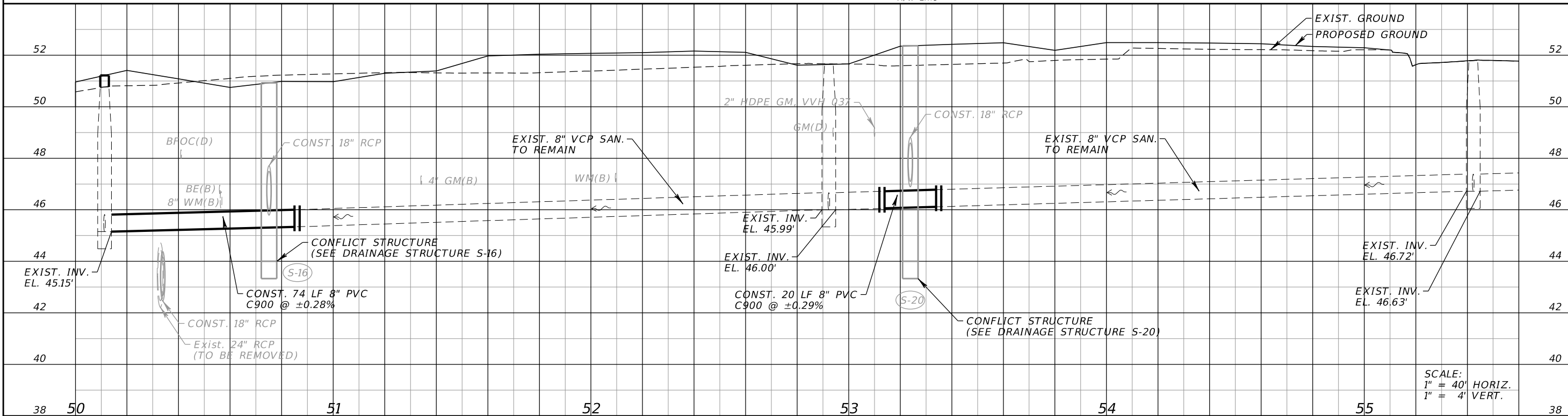
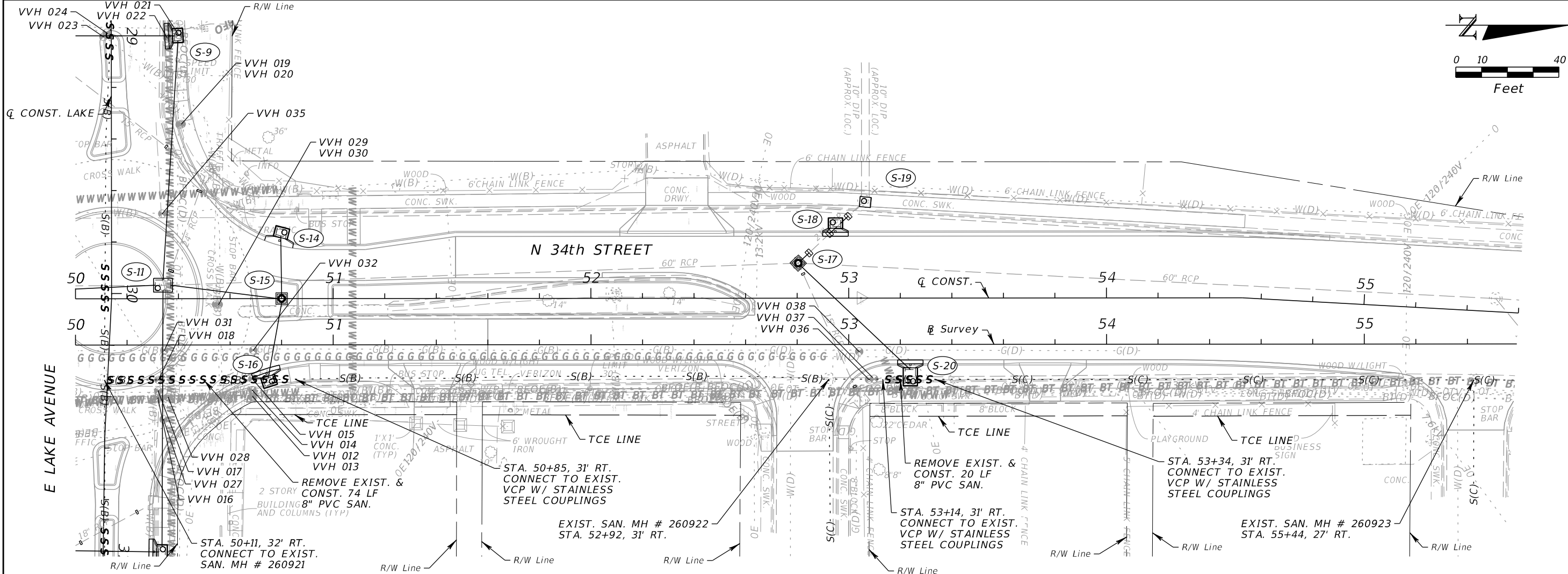
REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			UTILITY RELOCATION SHEETS NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		UT-1

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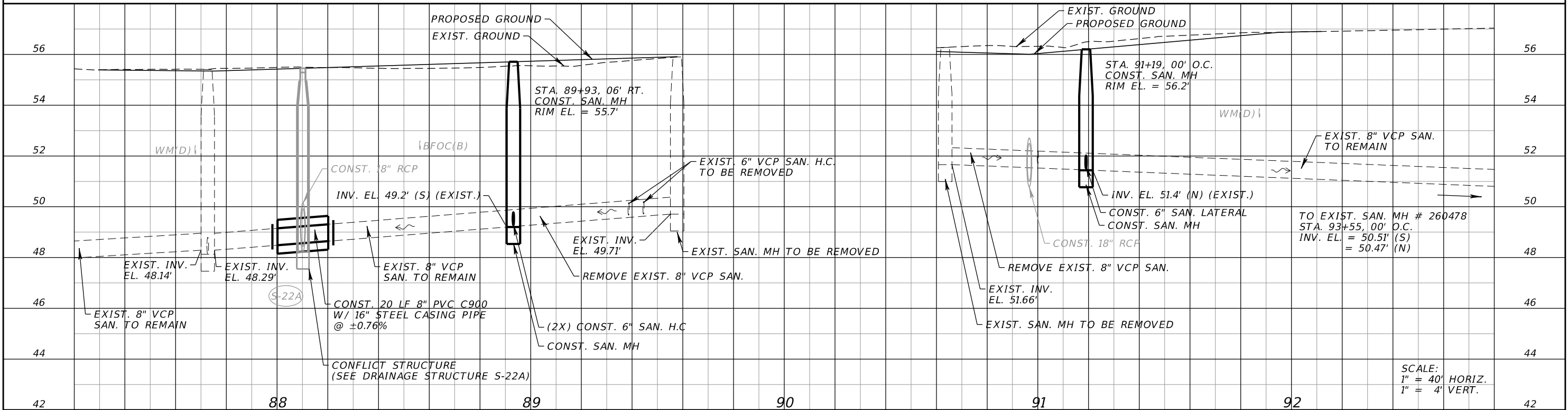
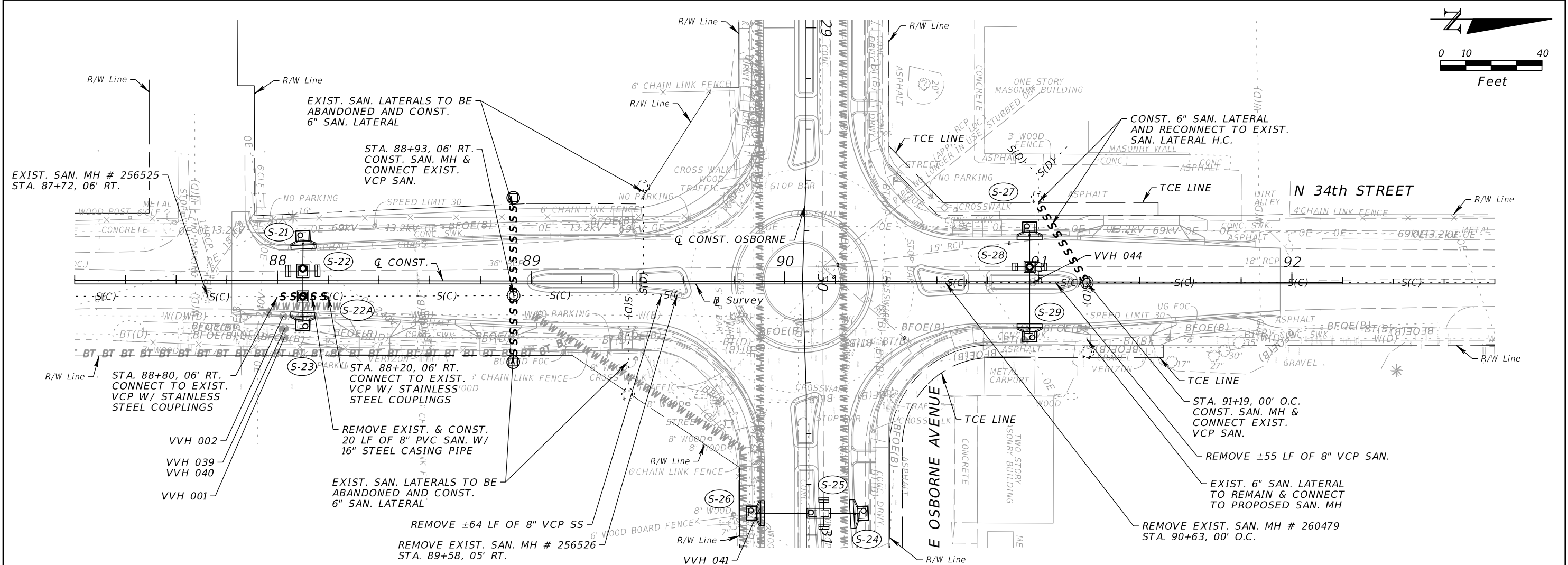
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DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY	FINANCIAL PROJECT ID	UT-2
							34TH ST		HILLSBOROUGH	437648-1-58-01	

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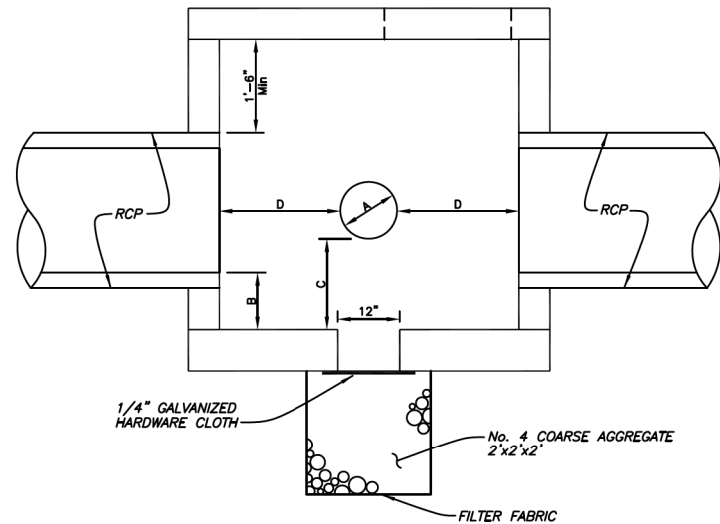
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					34TH ST	HILLSBOROUGH	437648-1-58-01			

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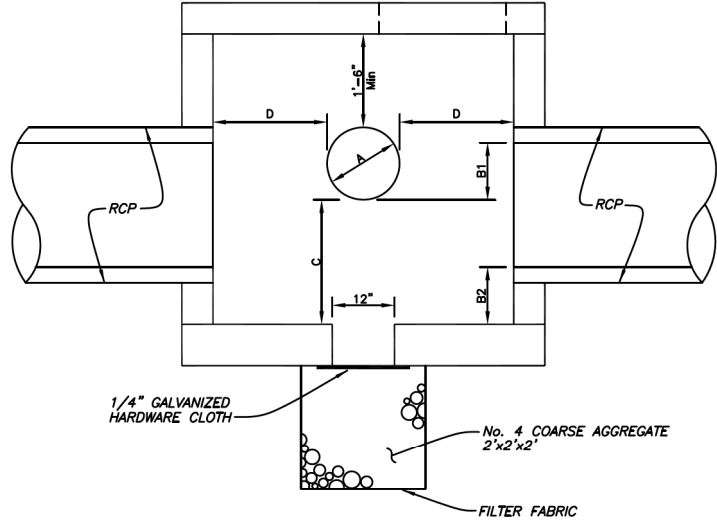


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		
									UT-4

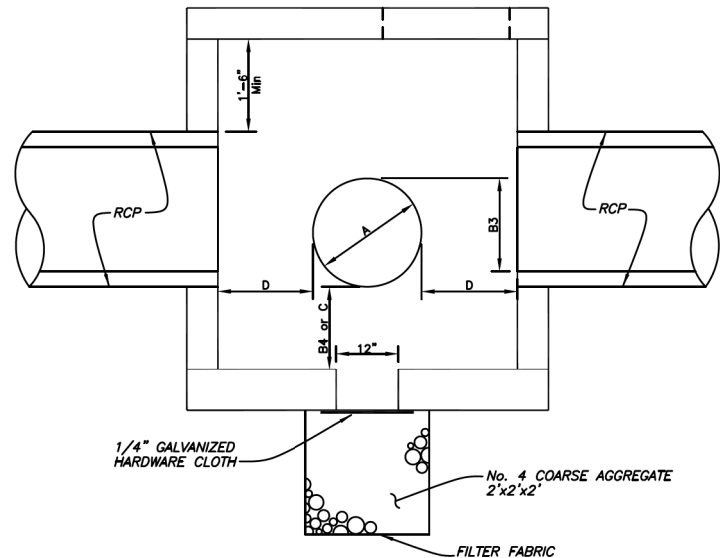
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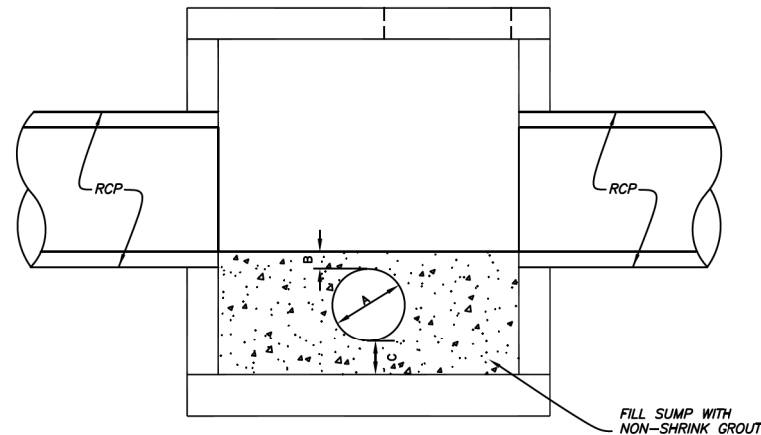
$B=A$
 $C=1'-6''$ Minimum
(Use the greater of the two)
CONFLICT AT MID-POINT
Not To Scale



$B2=B1$
 $C=1'-6''$ Minimum
(Use the greater of the two)
CONFLICT AT CROWN
Not To Scale



$B4=B3$
 $C=1'-6''$ Minimum
(Use the greater of the two)
CONFLICT AT FLOWLINE
Not To Scale



$C=B$
**CONFLICT BELOW FLOWLINE
WITH INSUFFICIENT CLEARANCE**
Not To Scale

NOTES

1. Conflict manhole shop drawing shall be submitted to the Engineer for approval prior to fabrication or beginning of any work on the conflict manhole.
2. The structural design shall be consistent with FDOT Index 200 and as approved by the Engineer.

3. For conflict structures with sanitary sewer(s.s.) pipes the following shall apply:

If the s.s. pipe is below the flowline of the storm pipe, replace the s.s. pipe with AWWA C-900 DR-18 Green and embed it in the sump with non-shrink grout. Connect the C-900 to the existing pipe with Fernco 5000 series shielded couplings w/ SS band adapters.

If the s.s. pipe is above the flowline of the storm pipe, replace the s.s. pipe with AWWA C-900 DR-18 Green or ASTM 3034 SDR-35 or SDR-26 pipe and encase it in the smallest diameter steel casing pipe possible that will accommodate Cascade casing spacers. The steel casing shall be in compliance with Section W-67, "Steel Pipe And Fittings". Connect the new PVC pipe to the existing pipe with Fernco 5000 series shielded couplings w/ SS band adapters.

4. Conflicting water mains shall be sleeved if a joint in the pipeline falls within the conflict structure.

5. Filter fabric shall meet FDOT Standard Specification 441-2.3.

A = Outside diameter of the conflicting utility line or sleeve.

D = 2'-0" or $1/2(A)$ whichever is greater.

6. Exterior Steel Coating Shall Receive:

- 1) shop coat - one coat, 4-6 mils (dry) tnemec n140-1211 epoxy primer.
- 2) field coat - 1st coat, 5-7 mils (dry) tnemec series 446 perma-shield mcu
- 3) field coat - 2nd coat, 5-7 mils (dry) tnemec series 446 perma-shield mcu

No.	DATE	REVISIONS	No.	DATE	REVISIONS	DES:	CITY of TAMPA WASTEWATER DEPARTMENT	GUIDELINES FOR CONFLICT MANHOLES	W.O. W.O.
3			6			DRN:			SHEET
2			5			CKD:			1
1			4			DATE:			OF 1

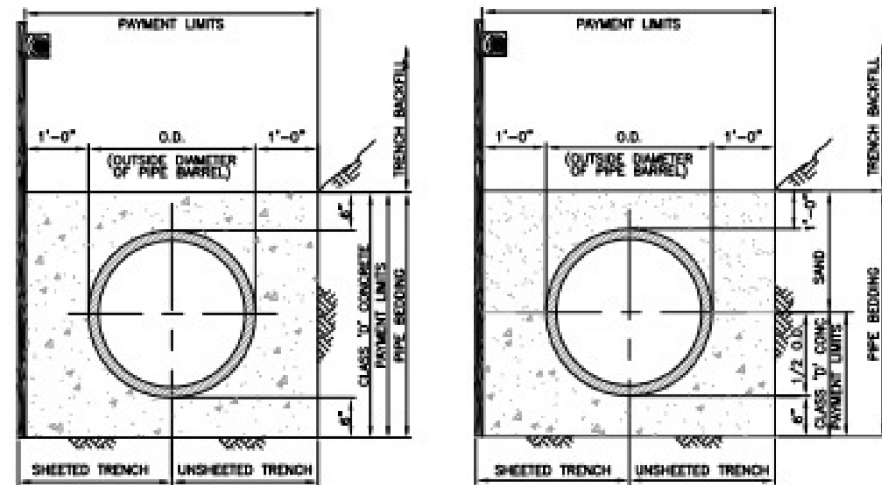
REVISIONS				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			UTILITY RELOCATION SHEETS DETAILS		SHEET NO. UT-5
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
				34TH ST	HILLSBOROUGH	437648-1-58-01			

EOR: DEREK M. GIL, P.E.
P.E. LICENSE NUMBER 54798
ELEMENT ENGINEERING GROUP
1713 E. 9th AVENUE
TAMPA, FL 33605
CERTIFICATE OF AUTHORIZATION: 26921

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mcannon

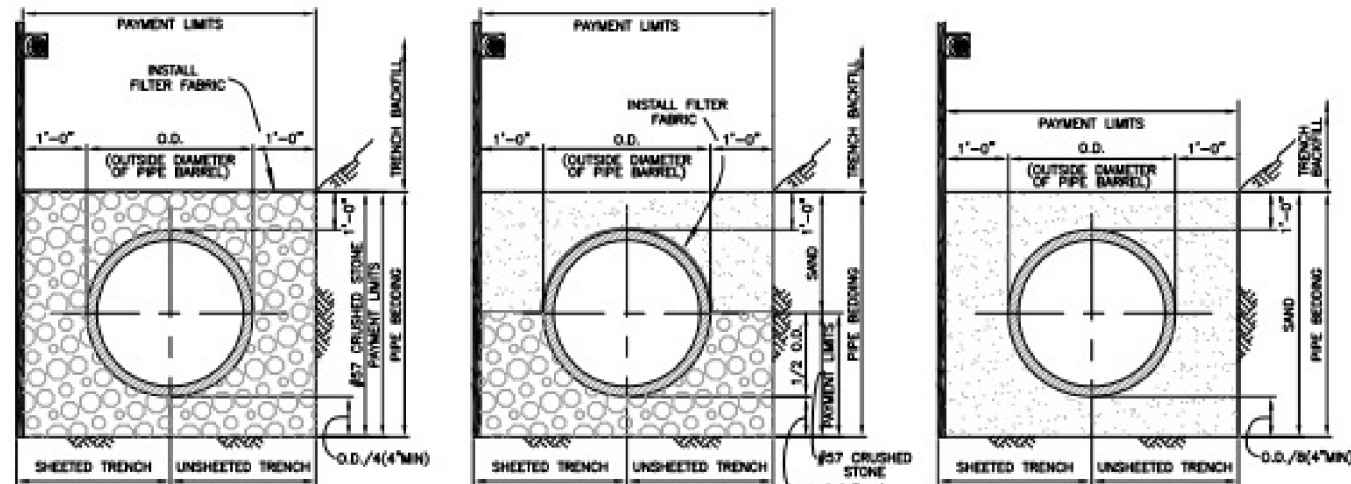
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CONCRETE ENCASEMENT CLASS A BEDDING (CONCRETE CRADLE)

NOTES:

1. ALL TYPES OF PIPE BEDDING SHALL EXTEND TO UNDISTURBED EARTH AT SIDES AND BOTTOM OF THE TRENCH.
2. SAND AND CRUSHED STONE PIPE BEDDING SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH SPECIFICATIONS.



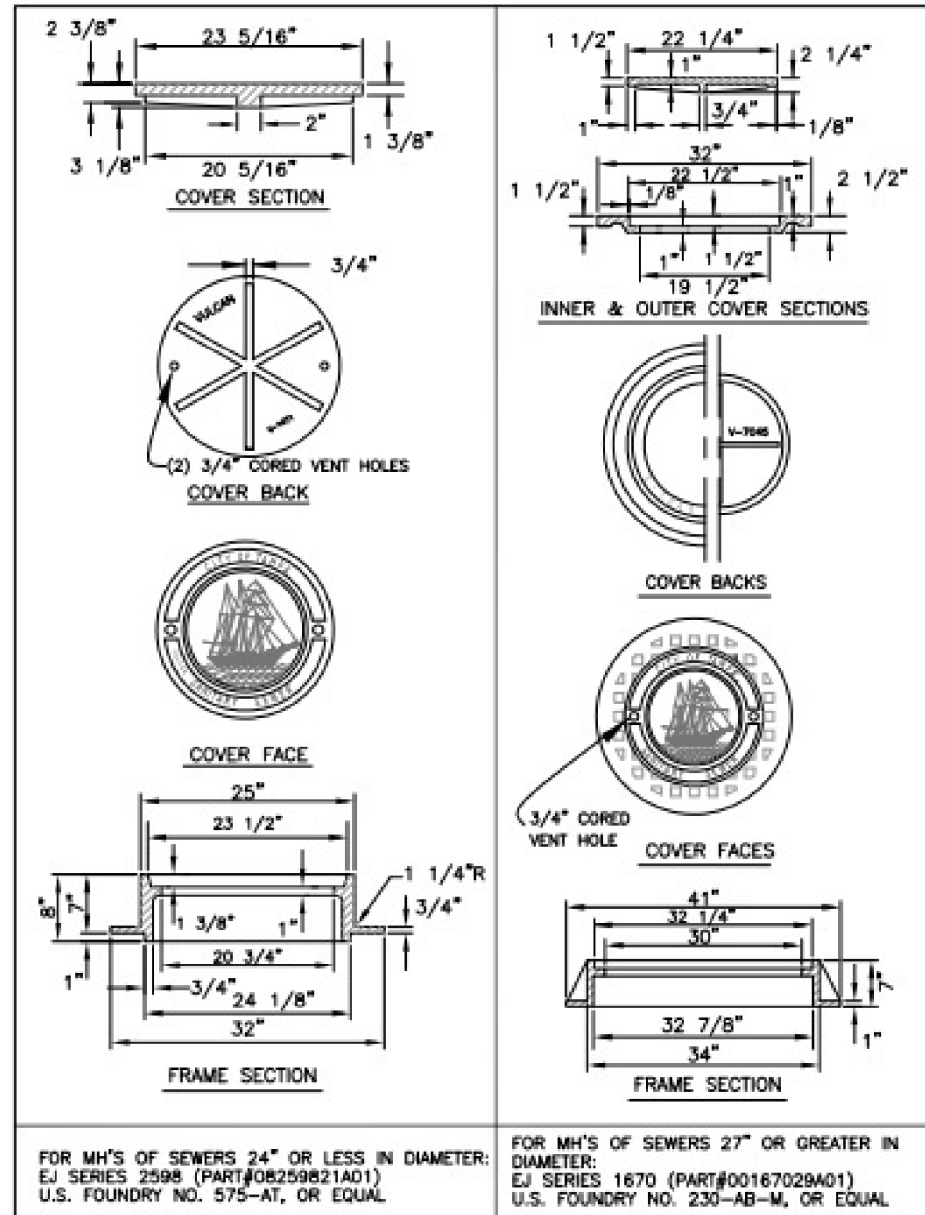
CLASS B-I BEDDING

CLASS B BEDDING

(ONLY ALLOWED WITH CITY INSPECTOR APPROVAL)

CLASS C BEDDING

PIPE BEDDING DETAILS
N.T.S.



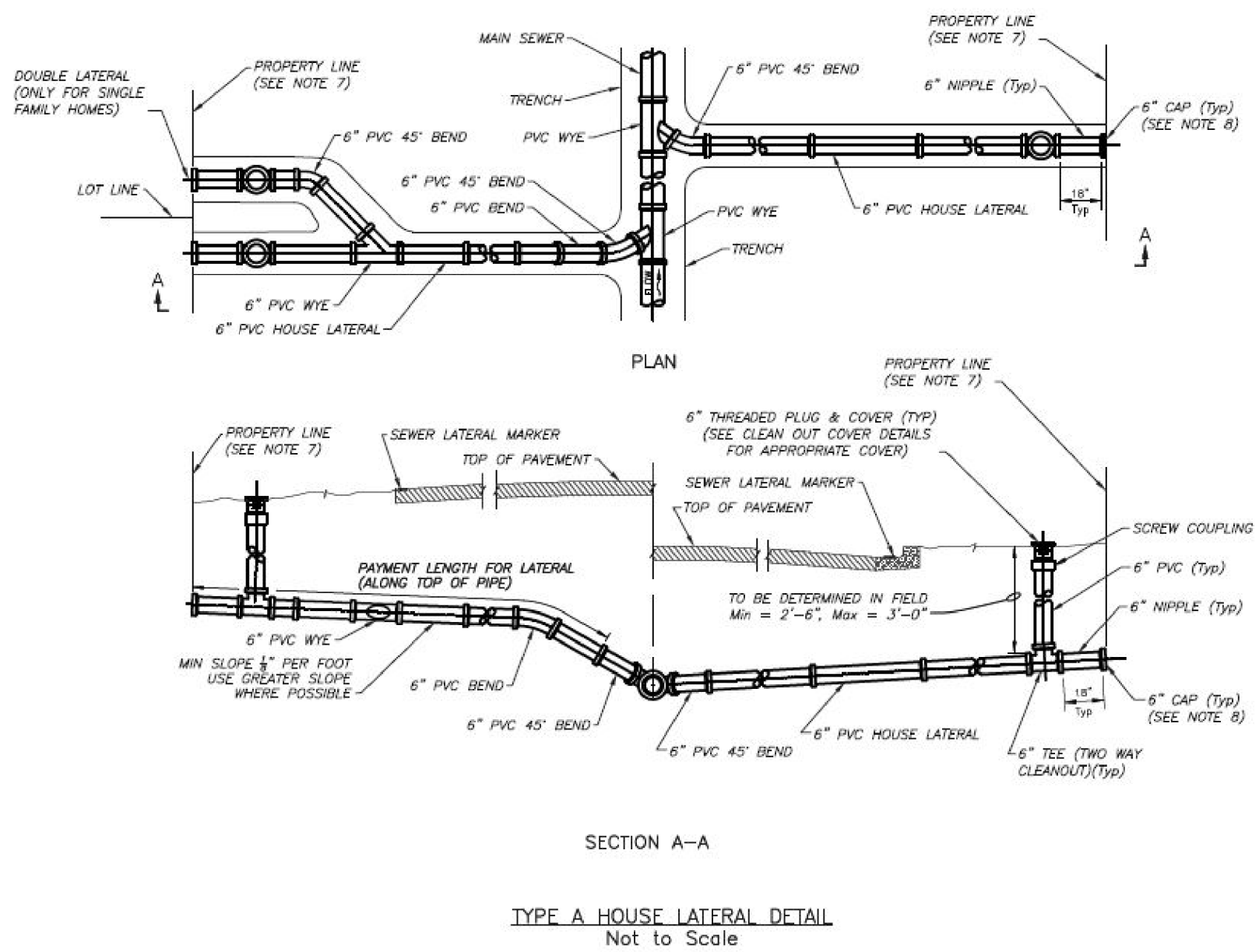
HEAVY DUTY CAST IRON MANHOLE
FRAME & COVER DETAILS
N.T.S.

REVISIONS				DES: DR DRN: BL CKD: DATE:	CITY of TAMPA WASTEWATER DEPARTMENT	STANDARD DETAILS MISC. GRAVITY DETAILS	W.O. ---- SHEET 5 OF 15
DATE	DESCRIPTION	DATE	DESCRIPTION				
3	02/14	CHANGED MFG NAME AND PART NUMBER FOR MH COVERS					
2	03/14	CHANGED MFG NAME AND PART NUMBER FOR MH COVERS					

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			UTILITY RELOCATION SHEETS DETAILS	SHEET NO. UT-6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

User: ss's Drawing Name: K:\Drawing\Standard\Details\CURRENT DETAILS FOR TECH MANUAL no index.dwg
Layout: New Lateral Connections Plot Date: 12/26/2013 11:05:47 AM CTB: WW-TOSH-104_Pipe-65.ctb Plot Size: 25mm

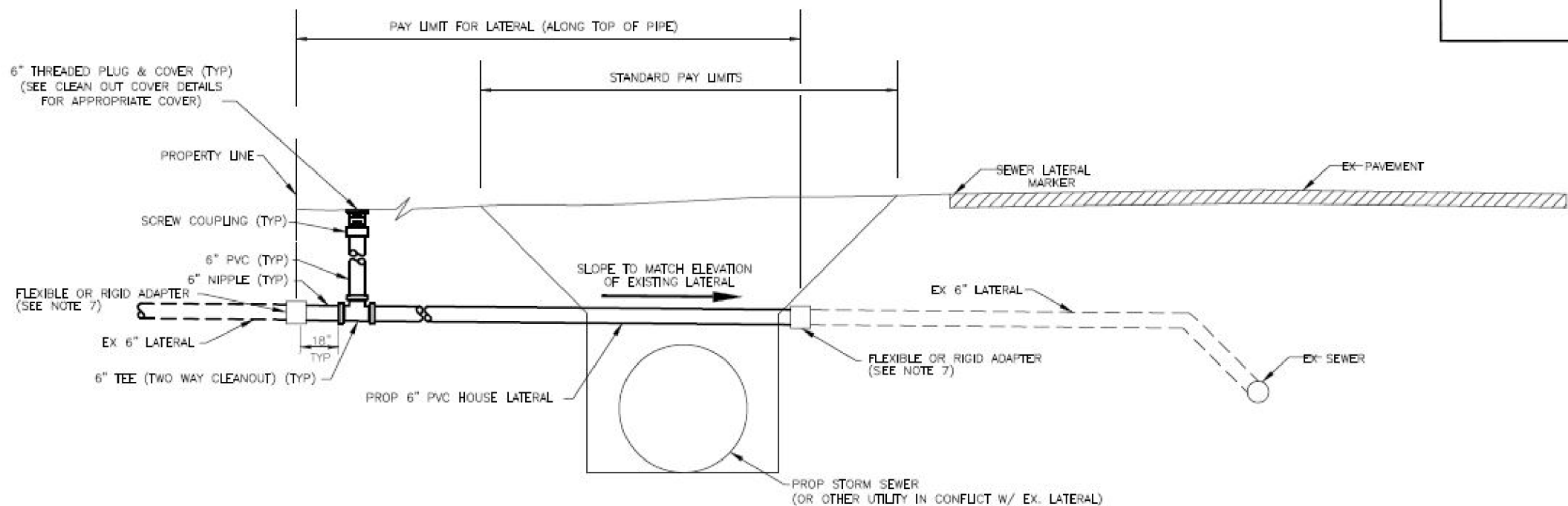


- NOTES:
- The locations of house laterals by symbols on plans are approximate only and the actual location and slopes will be determined in the field by the contractor with the approval of the engineer.
 - The minimum diameter of all house laterals shall be 6 inches.
 - The vertical alignment of the service lateral shall be designed so that no more than two (2) vertical bends are required between the connection to the gravity main and the property line.
 - House laterals which pass under drainage ditches with less than 18" of cover or which have less than 30" of cover under pavement shall be Pressure Class 350 with 40 mils (MDFT) of Protecto 401 interior coating per specifications.
 - A minimum vertical clearance of 12-inches shall be provided when crossing above a water main. However, a vertical clearance less than 12-inches but greater than 6-inches will be allowed if the lateral is installed using one the following criteria:
 - The lateral is constructed of ductile iron pipe with a minimum pressure class of 350 with 40 mils (MDFT) of Protecto 401 interior coating.
 - The lateral is encased in at least 4-inches of concrete.
 - The lateral is installed in a casing pipe with an impact strength equal to the impact strength of pressure class 350 ductile iron.
- A minimum of 6-inches of vertical clearance shall be provided when crossing below water mains with a diameter 6-inches or less. A minimum of 12-inches of clearance shall be provided when crossing below a water main with a diameter greater than 6-inches up to a diameter of 18-inches. A minimum of 18-inches of vertical clearance will be required when crossing under a water main with diameters greater than 18-inches.
- At all water main crossings, joints of the lateral pipe at the crossing shall be arranged so that no joint is within 6-ft of a joint along the water main. If the joint spacing can not be achieved, then the gravity sewer at the crossing shall be constructed of C-900 PVC.
- A minimum vertical clearance of 6-inches shall be provided when crossing above all utilities other than a water main. A minimum of 6-inches of vertical clearance shall be provided when crossing below a utility with a diameter 6-inches or less. A minimum of 12-inches of clearance shall be provided when crossing below a utility with a diameter greater than 6-inches up to a diameter of 18-inches. A minimum of 18-inches of vertical clearance will be required when crossing under utilities with diameters greater than 18-inches.
- Transitions from SDR 35 PVC to either C900 or ductile iron pipes shall be made with PVC rigid adaptors. Transitions from SDR 35 PVC to either existing clay or concrete pipes shall be made with a Fernco 1000 series flexible coupling with stainless steel shear ring or approved equal.
 - In sub-divisions where the Developer has provided a recorded utility easement (typically 10') beyond the property line, the clean out shall be installed within the easement away from the sidewalk.
 - At the direction of the City's inspector, the contractor shall temporarily stake the cap of all laterals at the property line with a 2"x4" treated wood stake.
 - Double laterals are only allowed for single family homes on single lots.

REVISIONS				DES: DR DRN: BL CKD: DATE:	CITY of TAMPA WASTEWATER DEPARTMENT	STANDARD DETAILS NEW LATERAL CONNECTIONS	W.O. ---- SHEET 6 OF 15
DATE	DESCRIPTION	DATE	DESCRIPTION				

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT			
No.	DATE	REVISIONS	
3			
2			
1			

\\user:ss1s\Drawing\Name_K\Drawing\Standard\Details\CURRENT DETAILS\DETAILS FOR TECH MANUAL no index.dwg
Layout: 5x Lateral Connections Detail Date: 12/28/2013 11:05:52 AM CDR: MW-TOSHIBA_PIPE-RS.DTP Default: LWA 25mm



NOTES

1. CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING LATERALS WITHIN THE PAY LIMITS AND FROM THE PAY LIMITS TO THE PROPERTY LINE. THE NEW 6" PVC LATERAL SHALL BE CONNECTED TO THE EXISTING LATERAL PIPE USING FLEXIBLE ADAPTERS. A NEW CLEAN-OUT AND CLEAN-OUT COVER SHALL BE INSTALLED ON THE R/W SIDE OF THE PROPERTY LINE AND WILL BE PAID FOR UNDER SEPARATE PAY ITEM.
2. SEWER SERVICE MUST BE MAINTAINED DURING CONSTRUCTION.
3. THE LOCATIONS OF HOUSE LATERALS BY SYMBOLS ON PLANS ARE APPROXIMATE ONLY AND THE ACTUAL LOCATION AND SLOPES WILL BE DETERMINED IN THE FIELD BY THE CONTRACTOR WITH THE APPROVAL OF THE ENGINEER.
4. THE MINIMUM DIAMETER OF ALL HOUSE LATERALS SHALL BE 6".
5. HOUSE LATERALS WHICH PASS UNDER DRAINAGE DITCHES WITH LESS THAN 18" OF COVER OR WHICH HAVE LESS THAN 30" OF COVER UNDER PAVEMENT SHALL BE PRESSURE CLASS 350 WITH 40 MILS (MDFT) OF PROTECTO 401 INTERIOR COATING.
6. A MINIMUM VERTICAL CLEARANCE OF 12-INCHES SHALL BE PROVIDED WHEN CROSSING ABOVE A WATER MAIN. HOWEVER, A VERTICAL CLEARANCE LESS THAN 12-INCHES BUT GREATER THAN 6-INCHES WILL BE ALLOWED IF THE LATERAL IS INSTALLED USING ONE THE FOLLOWING CRITERIA:
 - THE LATERAL IS CONSTRUCTED OF DUCTILE IRON PIPE WITH A MINIMUM PRESSURE CLASS OF 350 WITH 40 MILS (MDFT) OF PROTECTO 401 INTERIOR COATING.
 - THE LATERAL IS ENCASED IN AT LEAST 4-INCHES OF CONCRETE.

•THE LATERAL IS INSTALLED IN A CASING PIPE WITH AN IMPACT STRENGTH EQUAL TO THE IMPACT STRENGTH OF PRESSURE CLASS 350 DUCTILE IRON.

A MINIMUM OF 6-INCHES OF VERTICAL CLEARANCE SHALL BE PROVIDED WHEN CROSSING BELOW WATER MAINS WITH A DIAMETER 6-INCHES OR LESS. A MINIMUM OF 12-INCHES OF CLEARANCE SHALL BE PROVIDED WHEN CROSSING BELOW A WATER MAIN WITH A DIAMETER GREATER THAN 6-INCHES UP TO A DIAMETER OF 18-INCHES. A MINIMUM OF 18-INCHES OF VERTICAL CLEARANCE WILL BE REQUIRED WHEN CROSSING UNDER A WATER MAIN WITH DIAMETERS GREATER THAN 18-INCHES.

AT ALL WATER MAIN CROSSINGS, JOINTS OF THE LATERAL PIPE AT THE CROSSING SHALL BE ARRANGED SO THAT NO JOINT IS WITHIN 6-FT OF A JOINT ALONG THE WATER MAIN. IF THE JOINT SPACING CAN NOT BE ACHIEVED, THEN THE GRAVITY SEWER AT THE CROSSING SHALL BE CONSTRUCTED OF C-900 PVC.

A MINIMUM VERTICAL CLEARANCE OF 6-INCHES SHALL BE PROVIDED WHEN CROSSING ABOVE ALL UTILITIES OTHER THAN A WATER MAIN. A MINIMUM OF 6-INCHES OF VERTICAL CLEARANCE SHALL BE PROVIDED WHEN CROSSING BELOW A UTILITY WITH A DIAMETER 6-INCHES OR LESS. A MINIMUM OF 12-INCHES OF CLEARANCE SHALL BE PROVIDED WHEN CROSSING BELOW A UTILITY WITH A DIAMETER GREATER THAN 6-INCHES UP TO A DIAMETER OF 18-INCHES. A MINIMUM OF 18-INCHES OF VERTICAL CLEARANCE WILL BE REQUIRED WHEN CROSSING UNDER UTILITIES WITH DIAMETERS GREATER THAN 18-INCHES.

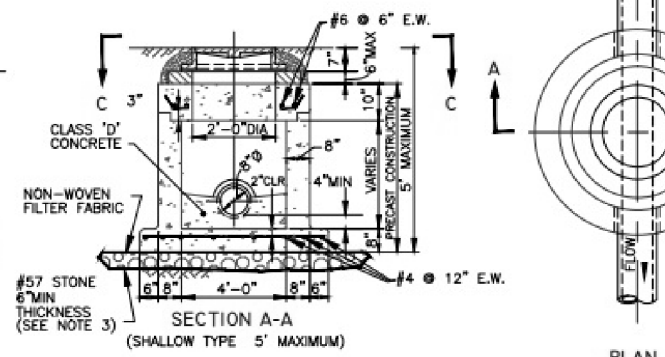
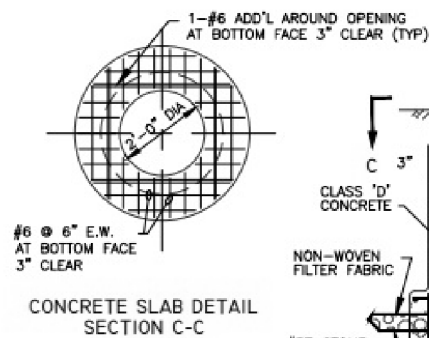
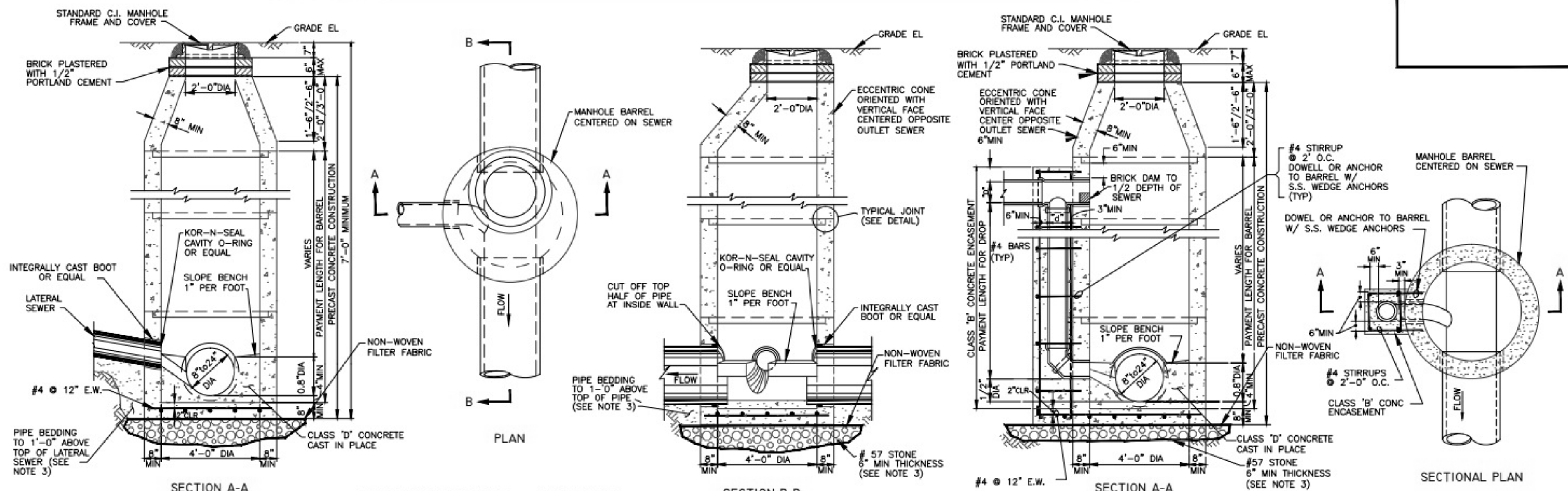
7. TRANSITIONS FROM SDR 35 PVC TO EITHER C900 OR DUCTILE IRON PIPES SHALL BE MADE WITH PVC RIGID ADAPTORS. TRANSITIONS FROM SDR 35 PVC TO EITHER EXISTING CLAY OR CONCRETE PIPES SHALL BE MADE WITH FERNCO 1000 SERIES FLEXIBLE COUPLING WITH STAINLESS STEEL SHEAR RING OR APPROVED EQUAL.

HOUSE LATERAL REPLACEMENT DETAIL
Not to Scale

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: DR	CITY of TAMPA WASTEWATER DEPARTMENT	STANDARD DETAILS EXISTING LATERAL CONNECTIONS (REPLACEMENT FOR UTILITY CONFLICTS)	W.O. ----
	3			DRN: BL			SHEET
	2			CKD:			7
	1			DATE:			OF 15

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			UTILITY RELOCATION SHEETS DETAILS	SHEET NO. UT-8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

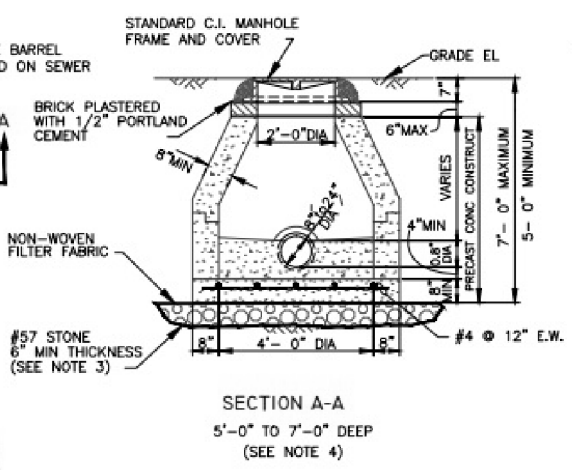
Use: ss's Drawing Name: K:\Drafting\Standard\Details\CURRENT DETAILS\DETAILS FOR TECH MANUAL no index.dwg
Layout: Standard Manhole 8 to 24 Blotter: 12/26/2013 11:06:02 AM CTR: MW-TOSHIBA_PIPE-RS.CTB Default Lnk: 25mm



STANDARD MANHOLE - SHALLOW TYPE
FOR SEWERS 24" OR LESS IN DIAMETER

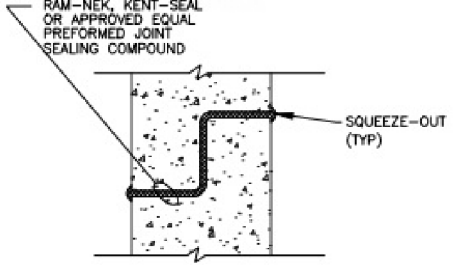
N.T.S

- NOTES
1. REINFORCING STEEL FOR ALL MANHOLES SHALL CONFORM TO ASTM-C478 AND PLACED AS DESCRIBED IN THE SPECIFICATIONS.
 2. ALL PIPE STUBS FROM MANHOLES FOR FUTURE CONNECTIONS OR OTHER CONTRACT DIVISIONS SHALL BE PROVIDED WITH WATER TIGHT PLUGS PLACED FROM WITHIN THE MANHOLE.
 3. SEE SPECIFICATIONS FOR MATERIALS REQUIREMENTS AND PLACEMENTS AND COMPACTION OF PIPE AND STRUCTURE BEDDING.
 4. STANDARD SHALLOW-TYPE MANHOLES WITH DEPTHS BETWEEN A MAXIMUM OF 7'-0" AND A MINIMUM OF 5'-0" MUST HAVE A CONCRETE CONE FOR THE TOP SECTION.
 5. ALL MANHOLE JOINTS MUST BE SEALED WITH AN ACCEPTABLE JOINT SEALING COMPOUND REGARDLESS OF WHETHER AN O-RING GASKET IN A PREFORMED GROOVE IS USED.
 6. FILTER FABRIC SHALL BE NON-WOVEN FABRIC PER D.O.T. SPECIFICATION SECTIONS 514 AND 985 AND SHALL BE WRAPPED ENTIRELY AROUND THE #57 STONE.

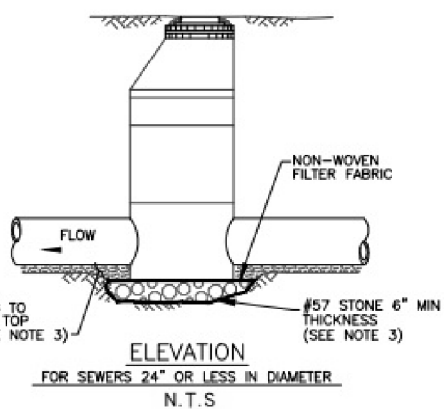


STANDARD DROP MANHOLE
FOR SEWERS 24" OR LESS IN DIAMETER

N.T.S



SCHEDULE FOR DROP MANHOLE	
INLET PIPE DIAMETER "D"	DROP PIPE DIAMETER "d"
8"	8"
10"	8"
12"	10"
15"	12"
18"	15"
21"	18"
24"	18"



JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: DR	CITY of TAMPA WASTEWATER DEPARTMENT	STANDARD DETAILS STANDARD MANHOLE 8" TO 24"	W.O. ---- SHEET 9 OF 15
	3			DRN: BL			
	2			CKD:			
	1			DATE:			

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			UTILITY RELOCATION SHEETS DETAILS	SHEET NO. UT-9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		

4/25/2019 8:45:58 AM P:\FDT1403\03-34thStreet\43764815801\utils\SPDUW01.dgn

SUMMARY OF LUMP SUM ITEMS					
PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0101 1	MOBILIZATION	1			

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS									
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	ALL			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL				
			DAYS	P	P	P	F		
102 1	MAINTENANCE OF TRAFFIC	LS				1			

PAY ITEM NOTES

- 0102 1

INCLUDES ALL DEVICES, SIGNS & PAVEMENT MARKINGS
- 0526 1 1

PAVERS SHALL BE RED
- 0570 1 2

USE BAHAI SOD FOR ALL PERFORMANCE TURF
- 0425 5 1 & 0425 6

MANHOLE AND VALVE BOX ADJUSTMENTS ARE TO BE PERFORMED BY THE CONTRACTOR WITH MATERIALS TO BE FURNISHED BY THE APPROPRIATE UTILITY. ARRANGE FOR DELIVERY/RECEIPT OF MATERIALS. COST FOR OBTAINING MATERIALS AND THE ADJUSTMENT WORK SHALL BE INCLUDED IN THE PAY ITEM.

CHAIN NAME REFERENCE NOTES		
SQ SHEETS - DESIGN NOTES	PLAN LABEL	DESCRIPTION
CL21ST	CL CONST. 21st	CL CONST. 21st
CLLAKE	CL CONST. LAKE	CL CONST. LAKE
CLOSBO	CL CONST. OSBORNE	CL CONST. OSBORNE
CL3421ST	CL CONST.	CL 34th STREET AT 21st AVENUE
CL34LAKE	CL CONST.	CL 34th STREET AT LAKE AVENUE
CL34OSBO	CL CONST.	CL 34th STREET AT OSBORNE AVENUE

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		SQ-1

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

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES									
LOCATION	SIDE	AREA ID	SEDIMENT BARRIER		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS	
STA. TO STA.			0104 10 3		0104 18				
			LF		EA				
			P	F	P	F			
19+77.72 TO 19+77.74	RT.		17.7				CHAIN CL3421ST		
19+77.81 TO 19+77.82	RT.		10.4				CHAIN CL3421ST		
20+84.36 TO 21+67.03	RT.		82.7				CHAIN CL3421ST		
21+79.03 TO 22+06.13	RT.		27.1				CHAIN CL3421ST		
22+26.13 TO 23+01.35	RT.		76.6				CHAIN CL3421ST		
28+61.45 TO 28+76.92	RT.		15.5				CHAIN CL21ST		
28+88.92 TO 29+40.91	RT.		52.0				CHAIN CL21ST		
29+40.91 TO 29+52.62	LT.		17.4				CHAIN CL21ST		
54+88.59 TO 55+25.74	RT.		37.2				CHAIN CL34LAKE		
87+81.95 TO 88+32.23	RT.		50.3				CHAIN CL34OSBO		
87+91.66 TO 89+42.90	LT.		151.3				CHAIN CL34OSBO		
88+44.23 TO 88+79.83	RT.		35.6				CHAIN CL34OSBO		
88+91.83 TO 89+49.31	RT.		57.5				CHAIN CL34OSBO		
89+43.25 TO 89+72.59	LT.		34.4				CHAIN CL34OSBO		
89+49.31 TO 89+61.77	RT.		14.1				CHAIN CL34OSBO		
91+48.63 TO 91+95.45	RT.		46.8				CHAIN CL34OSBO		
91+55.70 TO 91+95.45	LT.		39.8				CHAIN CL34OSBO		
29+23.39 TO 29+53.67	LT.		32.0				CHAIN CLOSBO		
30+32.78 TO 30+72.15	LT.		43.2				CHAIN CLOSBO		
30+72.15 TO 31+27.78	LT.		55.6				CHAIN CLOSBO		
19+06.87	LT.				1		CHAIN CL3421ST		
19+06.99	RT.				1		CHAIN CL3421ST		
24+07.66	LT.				1		CHAIN CL3421ST		
24+07.68	RT.				1		CHAIN CL3421ST		
26+16.33	RT.				1		CHAIN CL3421ST		
26+48.04	RT.				1		CHAIN CL3421ST		
46+53.73	RT.				1		CHAIN CL34LAKE		
46+89.77	RT.				1		CHAIN CL34LAKE		
47+51.04	LT.				1		CHAIN CL34LAKE		
53+04.91	RT.				1		CHAIN CL34LAKE		
53+05.99	LT.				1		CHAIN CL34LAKE		
55+82.26	RT.				1		CHAIN CL34LAKE		
29+07.13	RT.				1		CHAIN CLLAKE		
29+54.59	LT.				1		CHAIN CLLAKE		
30+80.99	LT.				1		CHAIN CLLAKE		
31+05.61	RT.				1		CHAIN CLLAKE		
87+67.26	LT.				1		CHAIN CL34OSBO		
87+92.39	LT.				1		CHAIN CL34OSBO		
90+51.51	RT.				1		CHAIN CL34OSBO		
91+14.13	LT.				1		CHAIN CL34OSBO		
27+03.32	LT.				1		CHAIN CLOSBO		
27+03.59	RT.				1		CHAIN CLOSBO		
31+97.62	RT.				1		CHAIN CLOSBO		
SUB-TOTAL :			897.2		23				
TOTAL :			897		23				

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		
									SQ-2

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

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS												
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				AREA (AC)	P	F	P	F		
0110 1 1	CLEARING & GRUBBING				LS				1		AC=3.85	
		19+86.43 TO 23+08.69	LT.	483498		0.30					CL3421ST	
		19+89.11 TO 23+07.69	RT.	371638		0.27					CL3421ST	
		22+93.21 TO 24+01.21	LT.	371847		0.11					CL3421ST	
		22+93.21 TO 24+01.21	RT.	371854		0.11					CL3421ST	
		23+75.96 TO 25+81.22	RT.	371739		0.17					CL3421ST	
		23+76.53 TO 25+81.22	LT.	483539		0.19					CL3421ST	
		25+81.06 TO 26+03.31	LT.	483744		0.01					CL3421ST	
		25+81.22 TO 26+21.20	RT.	483755		0.02					CL3421ST	
		26+25.56 TO 26+47.68	LT.	308931		0.01					CL3421ST	
		26+43.12 TO 26+70.09	RT.	308935		0.01					CL3421ST	
		28+66.94 TO 29+60.27	RT.	483665		0.07					CL21AVE	
		28+67.13 TO 29+55.96	LT.	483610		0.05					CL21AVE	
		30+39.05 TO 31+07.91	RT.	483683		0.04					CL21AVE	
		30+44.09 TO 31+07.91	LT.	483710		0.04					CL21AVE	
		46+96.00 TO 49+74.46	LT.	371946		0.23					CL3421ST	
		47+50.49 TO 49+77.67	LT.	371912		0.17					CL3421ST	
		49+59.85 TO 50+67.85	RT.	372193		0.11					CL3421ST	
		49+59.85 TO 50+67.85	LT.	372185		0.11					CL3421ST	
		50+49.07 TO 52+71.91	LT.	372045		0.18					CL3421ST	
		50+54.25 TO 54+52.73	LT.	372161		0.24					CL3421ST	
		52+93.77 TO 55+14.52	RT.	309115		0.08					CL3421ST	
		27+62.31 TO 28+34.73	RT.	344008		0.01					CLLAKE	
		28+05.15 TO 28+21.99	LT.	344023		0.00					CLLAKE	
		28+24.51 TO 28+40.87	RT.	344017		0.00					CLLAKE	
		28+44.50 TO 29+66.19	LT.	372197		0.09					CLLAKE	
		28+55.51 TO 29+61.93	LT.	371902		0.08					CLLAKE	
		30+40.87 TO 31+81.89	RT.	371985		0.09					CLLAKE	
		30+41.16 TO 31+81.71	LT.	372083		0.08					CLLAKE	
		87+83.42 TO 89+83.18	LT.	483793		0.13					CL3421ST	
		87+85.11 TO 89+69.91	LT.	483838		0.13					CL3421ST	
		89+62.83 TO 90+50.80	LT.	372836		0.07					CL3421ST	
		89+62.83 TO 90+50.80	LT.	372840		0.07					CL3421ST	
		90+37.48 TO 92+10.98	LT.	372806		0.09					CL3421ST	
		90+40.34 TO 92+16.19	LT.	372821		0.10					CL3421ST	
		27+17.74 TO 29+67.50	LT.	372781		0.12					CLOB50	
		27+28.10 TO 28+45.94	LT.	358201		0.04					CLOB50	
		28+45.92 TO 29+63.68	LT.	483815		0.09					CLOB50	
		30+22.61 TO 31+36.60	LT.	483852		0.077					CLOB50	
		30+29.71 TO 31+96.25	LT.	372728		0.082					CLOB50	
		31+33.52 TO 31+93.31	LT.	357989		0.010					CLOB50	

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS												
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				AREA (AC)	P	F	P	F		
0110 4 10	REMOVAL OF EXISTING CONCRETE				SY				4034			
		19+86.56 TO 20+02.13	LT.	342971			8.1				CHAIN CL3421ST, SW	
		19+89.20 TO 20+60.33	LT.	342976			15.1				CHAIN CL3421ST, CURB	
		19+90.10 TO 22+77.00	RT.	271294			61.9				CHAIN CL3421ST, CURB	
		19+99.10 TO 20+16.59	LT.	271509			13.4				CHAIN CL3421ST, DRWY	
		20+13.82 TO 20+35.06	LT.	271451			10.7				CHAIN CL3421ST, SW	
		20+18.20 TO 21+86.80	LT.	342961			53.4				CHAIN CL3421ST, CURB	
		20+34.78 TO 20+60.20	LT.	271447			21.1				CHAIN CL3421ST, DRWY	
		20+57.15 TO 20+72.28	LT.	271441			6.9				CHAIN CL3421ST, SW	
		20+60.20 TO 22+79.45	LT.	271474			48.9				CHAIN CL3421ST, CURB	
		20+68.50 TO 20+86.32	LT.	271438			13.5				CHAIN CL3421ST, DRWY	
		20+85.96 TO 21+44.31	LT.	271433			31.5				CHAIN CL3421ST, SW	
		20+95.38 TO 21+86.81	LT.	271525			19.5				CHAIN CL3421ST, CURB	
		21+41.37 TO 21+53.48	LT.	271426			9.1				CHAIN CL3421ST, DRWY	
		21+53.48 TO 21+65.49	LT.	271421			6.0				CHAIN CL3421ST, SW	
		21+62.16 TO 21+80.80	LT.	271417			13.7				CHAIN CL3421ST, DRWY	
		21+69.49 TO 22+26.51	RT.	271310			29.3				CHAIN CL3421ST, SW	
		21+78.70 TO 22+09.21	LT.	271411			15.9				CHAIN CL3421ST, SW	
		21+86.79 TO 22+88.91	LT.	271259			46.3				CHAIN CL3421ST, MEDIAN	
		22+06.80 TO 22+79.43	LT.	271403			46.4				CHAIN CL3421ST, SW	
		22+23.36 TO 22+69.54	RT.	271317			43.2				CHAIN CL3421ST, DRWY	
		22+66.40 TO 23+02.11	RT.	366953			16.9				CHAIN CL3421ST, SW	
		22+76.99 TO 23+05.80	RT.	366971			6.3				CHAIN CL3421ST, CURB	
		22+79.39 TO 23+04.35	LT.	367098			13.3				CHAIN CL3421ST, SW	
		22+79.43 TO 23+05.89	LT.	367090			6.2				CHAIN CL3421ST, CURB	
		23+00.49 TO 23+24.91	RT.	271239			28.4				CHAIN CL3421ST, MEDIAN	
		23+04.79 TO 23+26.92	LT.	271244			25.2				CHAIN CL3421ST, MEDIAN	
		23+63.69 TO 23+87.78	LT.	271248			26.6				CHAIN CL3421ST, MEDIAN	
		23+64.75 TO 23+84.77	RT.	271235			20.3				CHAIN CL3421ST, MEDIAN	
		23+75.83 TO 24+02.65	RT.	367015			6.5				CHAIN CL3421ST, CURB	
		23+76.34 TO 24+06.82	LT.	367047			7.6				CHAIN CL3421ST, CURB	
		23+80.06 TO 24+35.63	LT.	367070			30.5				CHAIN CL3421ST, SW	
		23+80.42 TO 24+22.38	RT.	367031			27.6				CHAIN CL3421ST, SW	
		23+95.21 TO 24+47.49	RT.	271253			23.9				CHAIN CL3421ST, MEDIAN	
		24+02.30 TO 24+12.71	RT.	271574			2.2				CHAIN CL3421ST, CURB	
		24+06.82 TO 24+64.00	LT.	271825			12.3				CHAIN CL3421ST, CURB	
		24+12.61 TO 26+00.05	RT.	271664			42.7				CHAIN CL3421ST, CURB	
		24+18.27 TO 24+46.39	RT.	358484			21.3				CHAIN CL3421ST, DRWY	
		24+43.01 TO 24+49.95	RT.	358475			3.2				CHAIN CL3421ST, SW	
		24+47.48 TO 25+46.19	LT.	271775			21.8				CHAIN CL3421ST, CURB	
		24+47.49 TO 25+46.21	LT.	271785			21.3				CHAIN CL3421ST, CURB	
		24+64.00 TO 25+56.00	LT.	343163			20.5				CHAIN CL3421ST, CURB	
		24+78.73 TO 24+85.97	RT.	343081			3.3				CHAIN CL3421ST, SW	
		24+82.32 TO 25+14.36	RT.	343089			25.7				CHAIN CL3421ST, DRWY	
		25+29.90 TO 25+37.49	RT.	271620			3.3				CHAIN CL3421ST, SW	
		25+33.30 TO 25+53.38	RT.	271614			14.1				CHAIN CL3421ST, DRWY	
		25+47.27 TO 25+81.21	LT.	472003			18.5				CHAIN CL3421ST, SW	
		25+49.82 TO 25+64.92	RT.	271607			7.1				CHAIN CL3421ST, SW	
		25+56.00 TO 25+78.80	LT.	271817			5.0				CHAIN CL3421ST, CURB	
		25+62.15 TO 25+89.09	RT.	271677			21.9				CHAIN CL3421ST, DRWY	
		25+78.80 TO 26+03.46	LT.	343199			7.1				CHAIN CL3421ST, CURB	
REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
							34TH ST	HILLSBOROUGH	437648-1-58-01			SQ-4

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

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS													
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.				AREA (AC)	P	F	P	F			
0110 4 10	REMOVAL OF EXISTING CONCRETE (CONT'D)	25+81.21 TO 25+99.31	LT.	343178	SY		16.4				CHAIN CL3421ST, SW		
		25+87.20 TO 26+19.37	RT.	271589			22.1				CHAIN CL3421ST, SW		
		26+00.04 TO 26+21.30	RT.	271581			6.5				CHAIN CL3421ST, CURB		
		26+25.71 TO 26+35.96	LT.	343556			4.2				CHAIN CL3421ST, CURB		
		26+27.69 TO 26+47.26	LT.	343564			9.9				CHAIN CL3421ST, SW		
		26+31.59 TO 26+43.14	LT.	343527			0.2				CHAIN CL3421ST, CURB		
		26+43.18 TO 26+58.24	RT.	344120			8.4				CHAIN CL3421ST, CURB		
		26+45.18 TO 26+53.78	RT.	271716			12.1				CHAIN CL3421ST, DRWY		
		26+46.32 TO 26+56.98	RT.	271729			11.3				CHAIN CL3421ST, SW		
		26+47.19 TO 26+51.17	RT.	271708			2.4				CHAIN CL3421ST, SW		
		26+56.92 TO 26+61.86	RT.	343505			3.2				CHAIN CL3421ST, SW		
		28+61.93 TO 28+72.13	RT.	343144			2.4				CHAIN CL21AVE, CURB		
		28+66.93 TO 29+15.50	LT.	343190			10.9				CHAIN CL21AVE, CURB		
		28+69.61 TO 28+74.70	RT.	372939			2.0				CHAIN CL21AVE, SW		
		28+69.61 TO 28+74.70	RT.	373482			2.0				CHAIN CL21AVE, SW		
		28+72.11 TO 29+28.20	RT.	271367			12.9				CHAIN CL21AVE, CURB		
		28+73.77 TO 29+30.08	RT.	372915			25.3				CHAIN CL21AVE, SW		
		28+73.77 TO 29+30.08	RT.	373458			25.3				CHAIN CL21AVE, SW		
		29+03.95 TO 29+17.41	RT.	372933			3.2				CHAIN CL21AVE, DRWY		
		29+03.95 TO 29+17.41	RT.	373475			3.2				CHAIN CL21AVE, DRWY		
		29+11.61 TO 29+26.86	LT.	472185			6.6				CHAIN CL21AVE, SW		
		29+15.50 TO 29+23.75	LT.	271842			1.9				CHAIN CL21AVE, CURB		
		29+23.60 TO 29+56.29	LT.	367055			7.9				CHAIN CL21AVE, CURB		
		29+26.57 TO 29+53.00	LT.	367063			14.6				CHAIN CL21AVE, SW		
		29+27.16 TO 29+57.30	RT.	367078			8.0				CHAIN CL21AVE, CURB		
		29+29.08 TO 29+52.34	RT.	271382			13.1				CHAIN CL21AVE, DRWY		
		29+38.47 TO 29+44.20	LT.	271851			1.5				CHAIN CL21AVE, SW		
		29+46.16 TO 29+55.72	RT.	367107			4.6				CHAIN CL21AVE, SW		
		30+40.97 TO 31+07.90	RT.	366976			15.9				CHAIN CL21AVE, CURB		
		30+43.73 TO 30+89.11	LT.	366997			10.0				CHAIN CL21AVE, CURB		
		30+44.61 TO 30+51.25	RT.	366959			3.5				CHAIN CL21AVE, SW		
		30+47.84 TO 30+68.40	RT.	271322			24.4				CHAIN CL21AVE, DRWY		
		30+48.33 TO 30+61.35	LT.	367026			5.1				CHAIN CL21AVE, SW		
		30+55.73 TO 30+76.96	LT.	271685			18.4				CHAIN CL21AVE, DRWY		
		30+68.06 TO 30+94.31	RT.	358447			14.1				CHAIN CL21AVE, SW		
		30+74.41 TO 31+15.40	LT.	271535			24.8				CHAIN CL21AVE, SW		
		30+89.11 TO 31+34.29	LT.	342956			9.8				CHAIN CL21AVE, CURB		
		46+98.64 TO 47+00.72	RT.	343576			0.4				CHAIN CL34LAKE, CURB		
		47+00.64 TO 49+46.49	RT.	272252			55.5				CHAIN CL34LAKE, CURB		
		47+64.35 TO 48+11.88	RT.	343583			21.0				CHAIN CL34LAKE, SW		
		47+64.80 TO 49+51.35	LT.	343694			45.2				CHAIN CL34LAKE, CURB		
		47+71.73 TO 48+93.67	LT.	272569			26.6				CHAIN CL34LAKE, CURB		
		47+71.73 TO 48+93.81	LT.	272575			26.7				CHAIN CL34LAKE, CURB		
		48+11.63 TO 48+17.08	RT.	286483			2.3				CHAIN CL34LAKE, SW		
		48+16.86 TO 48+23.73	RT.	272277			2.8				CHAIN CL34LAKE, SW		
		48+21.25 TO 48+40.28	RT.	272264			18.5				CHAIN CL34LAKE, DRWY		
		48+36.56 TO 48+58.12	RT.	272271			9.7				CHAIN CL34LAKE, SW		
		48+53.18 TO 49+09.82	LT.	272481			29.0				CHAIN CL34LAKE, SW		
		48+54.38 TO 49+00.59	RT.	272283			66.0				CHAIN CL34LAKE, DRWY		
		48+93.64 TO 49+59.83	LT.	272560			31.6				CHAIN CL34LAKE, MEDIAN		
		48+97.17 TO 49+26.51	RT.	272294			15.4				CHAIN CL34LAKE, SW		
REVISIONS						CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES			SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION	EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921									
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID							SQ-5
				34TH ST	HILLSBOROUGH	437648-1-58-01							

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

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS													
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.				AREA (AC)	P	F	P	F			
0110 4 10	REMOVAL OF EXISTING CONCRETE (CONT'D)	49+08.46 TO 49+53.12	LT.	272492	SY		24.1				CHAIN CL34LAKE, DRWY		
		49+24.10 TO 49+46.49	RT.	272299			24.7				CHAIN CL34LAKE, DRWY		
		49+43.56 TO 49+69.03	RT.	366814			13.0				CHAIN CL34LAKE, SW		
		49+46.49 TO 49+70.28	RT.	366851			4.9				CHAIN CL34LAKE, CURB		
		49+50.13 TO 49+76.34	LT.	366803			12.0				CHAIN CL34LAKE, SW		
		49+51.09 TO 49+77.47	LT.	366790			5.9				CHAIN CL34LAKE, CURB		
		50+49.14 TO 50+74.86	RT.	366936			5.3				CHAIN CL34LAKE, CURB		
		50+50.25 TO 50+64.13	RT.	366860			9.1				CHAIN CL34LAKE, SW		
		50+56.03 TO 50+77.60	LT.	366743			4.3				CHAIN CL34LAKE, CURB		
		50+57.12 TO 52+08.01	LT.	366716			80.8				CHAIN CL34LAKE, SW		
		50+63.04 TO 51+21.18	RT.	272564			28.1				CHAIN CL34LAKE, MEDIAN		
		50+64.09 TO 51+29.19	RT.	272456			36.5				CHAIN CL34LAKE, SW		
		50+74.84 TO 52+50.05	RT.	272383			40.4				CHAIN CL34LAKE, CURB		
		50+77.58 TO 52+83.84	LT.	272653			46.4				CHAIN CL34LAKE, CURB		
		51+21.16 TO 52+62.75	LT.	272583			31.6				CHAIN CL34LAKE, CURB		
		51+21.18 TO 52+62.71	RT.	272593			30.8				CHAIN CL34LAKE, CURB		
		51+25.86 TO 51+48.06	RT.	272395			17.0				CHAIN CL34LAKE, DRWY		
		51+45.36 TO 52+55.35	RT.	272403			60.3				CHAIN CL34LAKE, SW		
		51+94.60 TO 52+64.86	LT.	272659			60.5				CHAIN CL34LAKE, DRWY		
		52+49.92 TO 52+72.03	RT.	272389			7.4				CHAIN CL34LAKE, CURB		
		52+55.29 TO 52+69.75	LT.	272668			5.6				CHAIN CL34LAKE, SW		
		52+55.29 TO 52+70.02	RT.	272409			13.9				CHAIN CL34LAKE, SW		
		52+69.71 TO 54+52.73	LT.	343724			99.9				CHAIN CL34LAKE, SW		
		52+83.70 TO 54+85.31	LT.	272675			46.4				CHAIN CL34LAKE, CURB		
		52+93.92 TO 52+99.62	RT.	272742			3.1				CHAIN CL34LAKE, CURB		
		52+96.11 TO 53+04.16	RT.	343622			6.4				CHAIN CL34LAKE, SW		
		52+98.29 TO 53+08.27	RT.	343634			5.6				CHAIN CL34LAKE, SW		
		53+06.03 TO 53+16.80	RT.	286435			5.5				CHAIN CL34LAKE, SW		
		53+06.74 TO 53+16.07	RT.	272736			2.0				CHAIN CL34LAKE, CURB		
		53+16.06 TO 55+10.90	RT.	272709			44.1				CHAIN CL34LAKE, CURB		
		53+16.80 TO 53+60.16	RT.	343645			25.5				CHAIN CL34LAKE, SW		
		53+60.16 TO 53+70.16	RT.	272723			5.2				CHAIN CL34LAKE, SW		
		53+66.72 TO 54+08.45	RT.	272683			34.4				CHAIN CL34LAKE, DRWY		
		53+68.93 TO 53+69.98	RT.	343653			0.1				CHAIN CL34LAKE, SW		
		54+05.72 TO 54+07.58	RT.	272730			0.5				CHAIN CL34LAKE, SW		
		54+07.47 TO 55+14.38	RT.	343673			57.9				CHAIN CL34LAKE, SW		
		55+10.78 TO 55+15.07	RT.	343682			1.1				CHAIN CL34LAKE, CURB		
		28+56.38 TO 29+53.45	LT.	272605			52.5				CHAIN CLLAKE, SW		
		28+61.22 TO 28+94.97	RT.	286475			17.2				CHAIN CLLAKE, SW		
		28+64.71 TO 29+29.72	RT.	343706			14.3				CHAIN CLLAKE, CURB		
		28+64.80 TO 29+24.73	LT.	343716			13.2				CHAIN CLLAKE, CURB		
		28+94.96 TO 29+04.84	RT.	272524			4.7				CHAIN CLLAKE, SW		
		29+09.29 TO 29+60.27	RT.	366763			25.3				CHAIN CLLAKE, SW		
		29+24.71 TO 29+53.40	LT.	272615			6.0				CHAIN CLLAKE, CURB		
		29+29.70 TO 29+61.53	RT.	366778			7.7				CHAIN CLLAKE, CURB		
		29+54.54 TO 29+63.77	LT.	366732			5.4				CHAIN CLLAKE, SW		
		29+59.71 TO 29+64.73	LT.	366753			1.2				CHAIN CLLAKE, CURB		
		30+41.05 TO 30+78.26	LT.	366916			8.6				CHAIN CLLAKE, CURB		
		30+42.28 TO 30+76.31	LT.	366872			22.2				CHAIN CLLAKE, SW		
		30+45.13 TO 30+81.95	RT.	366834			9.6				CHAIN CLLAKE, CURB		
		30+46.36 TO 30+73.67	RT.	366823			18.4				CHAIN CLLAKE, SW		
REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID				SQ-6
							34TH ST	HILLSBOROUGH	437648-1-58-01				

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

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS														
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS		
		STA. TO STA.				AREA (AC)	P	F	P	F				
0110 4 10	REMOVAL OF EXISTING CONCRETE (CONT'D)	30+70.64 TO 31+01.93	RT.	272331	SY		29.3				CHAIN CLLAKE, DRWY			
		30+76.23 TO 31+16.17	LT.	286426			26.6				CHAIN CLLAKE, SW			
		30+81.95 TO 31+62.27	RT.	272356			17.7				CHAIN CLLAKE, CURB			
		30+83.74 TO 31+16.18	LT.	286420			7.2				CHAIN CLLAKE, CURB			
		30+99.13 TO 31+22.13	RT.	272349			10.8				CHAIN CLLAKE, SW			
		31+16.13 TO 31+79.77	LT.	343606			42.4				CHAIN CLLAKE, SW			
		31+16.17 TO 31+69.78	LT.	343615			12.0				CHAIN CLLAKE, CURB			
		31+19.46 TO 31+59.96	RT.	272339			38.9				CHAIN CLLAKE, DRWY			
		31+57.26 TO 31+58.53	RT.	272335			0.3				CHAIN CLLAKE, SW			
		31+58.53 TO 31+68.03	RT.	343590			5.1				CHAIN CLLAKE, SW			
		31+62.27 TO 31+67.96	RT.	343598			1.2				CHAIN CLLAKE, CURB			
		29+62.59 TO 29+83.83	RT.	367113			27.3				CHAIN CL340SBO, SW			
		29+62.78 TO 29+75.87	LT.	366672			9.8				CHAIN CL340SBO, SW			
		29+65.90 TO 29+79.22	LT.	366702			6.8				CHAIN CL340SBO, CURB			
		29+66.01 TO 29+85.60	RT.	367149			10.4				CHAIN CL340SBO, CURB			
		29+69.77 TO 29+77.29	LT.	272971			21.9				CHAIN CL340SBO, SW			
		29+70.55 TO 29+74.84	LT.	343791			5.2				CHAIN CL340SBO, SW			
		29+70.89 TO 29+76.77	LT.	272977			30.8				CHAIN CL340SBO, SW			
		29+75.80 TO 29+79.22	LT.	272931			12.0				CHAIN CL340SBO, CURB			
		29+78.98 TO 29+92.32	RT.	272771			77.5				CHAIN CL340SBO, SW			
		29+87.40 TO 29+94.72	RT.	358399			6.7				CHAIN CL340SBO, SW			
		30+09.27 TO 30+14.55	RT.	286492			4.6				CHAIN CL340SBO, SW			
		30+09.55 TO 30+24.51	RT.	272777			79.9				CHAIN CL340SBO, SW			
		30+17.21 TO 30+27.44	RT.	366557			6.4				CHAIN CL340SBO, CURB			
		30+19.18 TO 30+36.55	LT.	366630			9.4				CHAIN CL340SBO, CURB			
		30+19.24 TO 30+22.70	LT.	272903			8.7				CHAIN CL340SBO, CURB			
		30+19.50 TO 30+27.45	LT.	357640			57.9				CHAIN CL340SBO, SW			
		30+19.57 TO 30+30.84	RT.	366550			10.8				CHAIN CL340SBO, SW			
		30+21.18 TO 30+41.11	LT.	366617			21.6				CHAIN CL340SBO, SW			
		27+24.17 TO 29+28.44	LT.	343804			45.2				CHAIN CLOSBO, CURB			
		27+25.01 TO 28+48.16	LT.	343888			27.8				CHAIN CLOSBO, CURB			
		27+34.10 TO 27+46.56	LT.	343799			6.3				CHAIN CLOSBO, SW			
		27+44.53 TO 27+69.24	LT.	343856			17.0				CHAIN CLOSBO, DRWY			
		27+66.96 TO 28+00.10	LT.	343867			17.8				CHAIN CLOSBO, SW			
		27+82.67 TO 27+84.55	RT.	343881			0.4				CHAIN CLOSBO, CURB			
		27+84.49 TO 28+50.13	LT.	273025			14.4				CHAIN CLOSBO, CURB			
		27+99.73 TO 28+20.79	LT.	343840			15.8				CHAIN CLOSBO, DRWY			
		28+20.39 TO 28+99.11	LT.	344182			42.8				CHAIN CLOSBO, SW			
		28+48.15 TO 28+49.94	LT.	273033			0.2				CHAIN CLOSBO, CURB			
		28+49.91 TO 29+42.22	LT.	273021			45.1				CHAIN CLOSBO, MEDIAN			
		28+90.24 TO 29+10.38	RT.	272991			10.6				CHAIN CLOSBO, SW			
		28+90.25 TO 29+50.31	RT.	273014			13.3				CHAIN CLOSBO, CURB			
		28+97.16 TO 29+17.30	LT.	344167			10.3				CHAIN CLOSBO, DRWY			
		29+07.57 TO 29+50.09	RT.	272986			33.4				CHAIN CLOSBO, DRWY			
		29+15.93 TO 29+29.42	LT.	344192			6.7				CHAIN CLOSBO, SW			
		29+28.44 TO 29+48.86	LT.	272949			10.6				CHAIN CLOSBO, DRWY			
		29+28.44 TO 29+48.93	LT.	272944			4.6				CHAIN CLOSBO, CURB			
		29+47.35 TO 29+65.90	LT.	366684			9.7				CHAIN CLOSBO, SW			
		29+48.08 TO 29+66.01	RT.	367135			8.1				CHAIN CLOSBO, SW			
		29+48.86 TO 29+67.25	LT.	366694			4.8				CHAIN CLOSBO, CURB			
		29+50.09 TO 29+67.05	RT.	367143			3.3				CHAIN CLOSBO, CURB			
REVISIONS					EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES		SHEET NO.	
DATE	DESCRIPTION		DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID			SQ-7	
								34TH ST	HILLSBOROUGH	437648-1-58-01				

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

[illegible]

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

SUMMARY OF MAILBOXES					
STATION	SIDE	QUANTITY (EA)		DESIGN NOTES	CONSTRUCTION REMARKS
		0110	7 1		
		P	F		
24+71.90	RT.	1		CHAIN CL3421ST	
29+04.67	RT.	1		CHAIN CL21ST	
51+61.35	RT.	1		CHAIN CL34LAKE	
53+40.83	RT.	1		CHAIN CL34LAKE	
88+18.30	RT.	1		CHAIN CL340SB0	
SUB-TOTAL:		5			
TOTAL:		5			

SUMMARY OF EARTHWORK					
PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0120 1	REGULAR EXCAVATION	1072.8		CL3421ST	
		1145.8		CL21ST	
		574.8		CL34LAKE	
		195.4		CLLAKE	
		399.5		CL340SB0	
		359.2		CLOSBO	
	TOTAL	3748			
0120 6	EMBANKMENT	568.5		CL3421ST	
		664.3		CL21ST	
		241.2		CL34LAKE	
		16.2		CLLAKE	
		24.4		CL340SB0	
		159.3		CLOSBO	
	TOTAL	1674			

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-9
					34TH ST	HILLSBOROUGH	437648-1-58-01		

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

SUMMARY OF PAVEMENT															
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.	DESCRIPTION						P	F	P	F			
0160 4	TYPE B STABILIZATION	21+80.00 TO 23+08.84		LT/RT	373370			SY	679.4		9609		CHAIN CL3421ST		
		22+93.36 TO 24+01.36		RT	374408				434.9				CHAIN CL3421ST		
		22+93.36 TO 24+01.36		RT	374413				432.7				CHAIN CL3421ST		
		23+76.12 TO 25+81.37		LT/RT	373409				1064.9				CHAIN CL3421ST		
		28+66.93 TO 29+56.02		LT/RT	373399				212.3				CHAIN CL21ST		
		28+66.93 TO 29+60.34		RT	373392				185.4				CHAIN CL21ST		
		30+38.96 TO 31+07.90		RT	373450				145.2				CHAIN CL21ST		
		30+44.01 TO 31+07.90		LT/RT	373440				135.7				CHAIN CL21ST		
		47+64.80 TO 49+77.82		LT/RT	374244				1106.2				CHAIN CL34LAKE		
		49+60.00 TO 50+68.00		LT/RT	374428				433.8				CHAIN CL34LAKE		
		49+60.00 TO 50+68.00		LT/RT	374433				433.8				CHAIN CL34LAKE		
		50+49.22 TO 51+60.00		LT/RT	374280				521.2				CHAIN CL34LAKE		
		28+55.50 TO 29+61.91		LT/RT	374308				214.6				CHAIN CLLAKE		
		28+55.50 TO 29+66.17		LT/RT	374298				264.3				CHAIN CLLAKE		
		30+40.85 TO 31+62.27		RT	374262				276.3				CHAIN CLLAKE		
		30+41.14 TO 31+62.27		LT/RT	374269				264.2				CHAIN CLLAKE		
		87+81.83 TO 89+70.06		RT	388370				335.3				CHAIN CL340SBO		
		87+81.94 TO 89+83.33		LT/RT	388348				375.9				CHAIN CL340SBO		
		89+62.97 TO 90+50.97		LT/RT	374443				299.9				CHAIN CL340SBO		
		89+62.97 TO 90+50.97		LT/RT	374438				299.9				CHAIN CL340SBO		
		90+37.63 TO 91+95.45		LT	388439				281.9				CHAIN CL340SBO		
		90+40.49 TO 91+95.61		LT/RT	388474				287.2				CHAIN CL340SBO		
		27+17.71 TO 28+09.27		LT/RT	342343				168.6				CHAIN CLOSBO		
		28+09.26 TO 29+67.49		LT/RT	388311				291.0				CHAIN CLOSBO		
		29+00.00 TO 29+63.66		LT/RT	388328				116.4				CHAIN CLOSBO		
		30+22.60 TO 31+27.53		LT/RT	388393				177.3				CHAIN CLOSBO		
		30+29.70 TO 31+27.53		LT	472899				170.7				CHAIN CLOSBO		
285706	OPTIONAL BASE, BASE GROUP 06	22+75.36 TO 22+91.68		LT/RT	378984			SY	21.2		831		CHAIN CL3421ST		
		23+47.33 TO 23+47.38		LT/RT	349463				110.4				CHAIN CL3421ST		
		23+47.33 TO 23+47.38		LT/RT	349458				110.4				CHAIN CL3421ST		
		24+03.20 TO 24+19.36		LT/RT	378993				24.9				CHAIN CL3421ST		
		28+99.06 TO 29+14.01		LT/RT	379011				6.3				CHAIN CL21ST		
		29+27.89 TO 29+44.20		LT/RT	379002				16.5				CHAIN CL21ST		
		30+56.07 TO 30+72.10		LT/RT	379018				12.3				CHAIN CL21ST		
		30+86.08 TO 31+00.47		LT/RT	379027				6.5				CHAIN CL21ST		
		49+41.50 TO 49+58.98		LT/RT	379078				24.5				CHAIN CL34LAKE		
		50+14.00 TO 50+14.00		LT/RT	349453				110.4				CHAIN CL34LAKE		
		50+14.00 TO 50+14.00		LT/RT	349448				110.4				CHAIN CL34LAKE		
		50+69.01 TO 50+86.50		LT/RT	379051				26.1				CHAIN CL34LAKE		
		29+02.44 TO 29+16.50		LT/RT	379043				11.0				CHAIN CLLAKE		
		29+29.50 TO 29+46.85		LT/RT	379034				20.3				CHAIN CLLAKE		
		30+57.38 TO 30+74.53		LT/RT	379060				15.6				CHAIN CLLAKE		
		30+87.53 TO 31+04.53		LT/RT	379069				11.0				CHAIN CLLAKE		
		89+43.47 TO 89+61.07		LT/RT	379107				12.1				CHAIN CL340SBO		
		90+03.87 TO 90+06.41		LT/RT	349443				68.4				CHAIN CL340SBO		
		90+03.87 TO 90+06.41		LT/RT	349438				76.5				CHAIN CL340SBO		
		90+52.87 TO 90+70.47		LT/RT	379087				12.0				CHAIN CL340SBO		
		29+36.50 TO 29+54.01		LT/RT	379117				11.8				CHAIN CLOSBO		
		30+45.83 TO 30+63.50		LT/RT	379097				12.3				CHAIN CLOSBO		
285707	OPTIONAL BASE, BASE GROUP 07	20+16.20 TO 21+17.09		LT/RT	330040			SY	23.5		6671		CHAIN CL3421ST		
REVISIONS						EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921				CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION												

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

SUMMARY OF PAVEMENT															
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.	DESCRIPTION						P	F	P	F			
285707	OPTIONAL BASE, BASE GROUP 07 (CONT'D)	21+80.00 TO 23+07.84		RT	345811			SY	216.9		16648		CHAIN CL3421ST		
		21+80.00 TO 23+08.84		LT/RT	345820				217.5				CHAIN CL3421ST		
		22+93.67 TO 23+48.46		LT/RT	351828				291.3				CHAIN CL3421ST		
		23+47.40 TO 24+01.29		LT/RT	351814				286.6				CHAIN CL3421ST		
		23+81.24 TO 25+81.37		LT/RT	345778				297.7				CHAIN CL3421ST		
		23+87.38 TO 25+81.37		LT	345757				357.8				CHAIN CL3421ST		
		28+66.93 TO 29+59.62		LT/RT	353447				149.4				CHAIN CL21ST		
		28+66.93 TO 29+65.72		LT/RT	353406				143.3				CHAIN CL21ST		
		30+38.96 TO 31+07.90		LT/RT	353394				109.0				CHAIN CL21ST		
		30+40.07 TO 31+07.90		LT/RT	353384				89.4				CHAIN CL21ST		
		47+64.80 TO 49+74.61		RT	353490				334.4				CHAIN CL34LAKE		
		47+64.80 TO 49+77.82		LT/RT	353508				398.8				CHAIN CL34LAKE		
		49+60.27 TO 50+67.52		LT/RT	351860				285.7				CHAIN CL34LAKE		
		49+60.29 TO 50+67.71		LT/RT	351848				292.2				CHAIN CL34LAKE		
		50+49.22 TO 51+60.00		LT/RT	345718				181.5				CHAIN CL34LAKE		
		50+54.40 TO 51+47.50		LT	345597				122.8				CHAIN CL34LAKE		
		52+04.36 TO 52+63.54		LT/RT	345727				14.7				CHAIN CL34LAKE		
		28+55.50 TO 29+61.91		LT/RT	353462				165.3				CHAIN CLLAKE		
		28+55.50 TO 29+66.17		LT/RT	353474				199.0				CHAIN CLLAKE		
		30+40.85 TO 31+62.27		LT/RT	353524				226.5				CHAIN CLLAKE		
		30+41.14 TO 31+62.27		LT/RT	353541				194.7				CHAIN CLLAKE		
		87+81.94 TO 89+70.06		LT/RT	387564				287.1				CHAIN CL34OSBO		
		87+81.94 TO 89+77.16		LT/RT	387582				280.5				CHAIN CL34OSBO		
		89+77.16 TO 89+83.33		LT	387705				0.3				CHAIN CL34OSBO		
		90+04.74 TO 90+10.80		LT/RT	351879				203.9				CHAIN CL34OSBO		
		90+04.74 TO 90+10.80		LT/RT	351874				198.2				CHAIN CL34OSBO		
		90+39.53 TO 91+95.45		LT/RT	387603				224.0				CHAIN CL34OSBO		
		90+40.49 TO 91+95.45		LT/RT	387618				224.3				CHAIN CL34OSBO		
		27+17.72 TO 29+67.49		LT/RT	387679				330.7				CHAIN CLOSBO		
		29+00.00 TO 29+63.66		RT	387668				81.3				CHAIN CLOSBO		
		30+22.60 TO 30+29.38		RT	387713				0.4				CHAIN CLOSBO		
		30+29.38 TO 31+27.53		LT/RT	387652				123.7				CHAIN CLOSBO		
		30+29.70 TO 30+32.84		LT	387709				0.1				CHAIN CLOSBO		
		30+32.84 TO 31+27.53		LT	387638				118.5				CHAIN CLOSBO		
0327 70 1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	10+37.05 TO 19+00.00		LT/RT	488807			SY	5140.7		16648		CHAIN BLSURVEY		
		19+00.00 TO 21+80.00		LT/RT	488864				1220.3				CHAIN CL3421ST		
		25+81.37 TO 26+80.02		LT/RT	479036				606.0				CHAIN CL3421ST		
		28+57.00 TO 28+66.93		LT/RT	479034				40.7				CHAIN CL21ST		
		31+07.90 TO 31+51.00		LT/RT	479053				181.5				CHAIN CL21ST		
		45+04.11 TO 47+64.80		LT/RT	479060				1342.7				CHAIN CL34LAKE		
		59+82.30 TO 62+99.00		LT/RT	488926				2306.1				CHAIN BLSURVEY		
		51+47.50 TO 59+82.92		LT/RT	488877				4657.3				CHAIN CL34LAKE		
		27+62.84 TO 28+55.50		LT/RT	479055				396.8				CHAIN CLLAKE		
		31+62.27 TO 32+86.48		LT/RT	479191				531.0				CHAIN CLLAKE		
		27+82.66 TO 29+00.00		RT	479620				159.9				CHAIN CLOSBO		
		31+27.53 TO 31+75.96		LT	479627				64.7				CHAIN CLOSBO		
0334 1 52	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG 76-22	20+16.20 TO 21+17.09		LT/RT	328476			TN	5.16		1457.6		CHAIN CL3421ST		
		21+80.00 TO 23+07.84		RT	328500				47.71				CHAIN CL3421ST		
		21+80.00 TO 23+08.84		LT/RT	328485				47.76				CHAIN CL3421ST		
		22+93.67 TO 23+48.44		LT/RT	350106				64.54				CHAIN CL3421ST		
REVISIONS						EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES			SHEET NO.
DATE	DESCRIPTION		DATE	DESCRIPTION					ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
									34TH ST	HILLSBOROUGH	437648-1-58-01				SQ-11

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

SUMMARY OF PAVEMENT														
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
0334 1 52	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG 76-22 (CONT'D)	23+48.41 TO 23+87.38		LT/RT	350097			TN	62.61				CHAIN CL3421ST	
		23+76.53 TO 23+87.38		LT	374987				0.21				CHAIN CL3421ST	
		23+81.24 TO 25+81.37		LT/RT	328585				65.39				CHAIN CL3421ST	
		23+87.38 TO 25+81.37		LT	415934				56.42				CHAIN CL3421ST	
		24+55.90 TO 25+52.79		LT	415951				17.45				CHAIN CL3421ST	
		28+66.93 TO 29+56.02		LT/RT	374970				30.21				CHAIN CL21ST	
		28+66.93 TO 29+60.34		LT/RT	353157				32.67				CHAIN CL21ST	
		30+38.96 TO 31+07.90		LT/RT	353186				24.00				CHAIN CL21ST	
		30+40.07 TO 31+07.90		LT	353199				18.67				CHAIN CL21ST	
		47+64.80 TO 49+74.61		RT	353298				73.70				CHAIN CL34LAKE	
		47+64.80 TO 49+77.82		LT/RT	353281				87.62				CHAIN CL34LAKE	
		49+60.27 TO 50+67.52		LT/RT	350205				62.86				CHAIN CL34LAKE	
		49+60.29 TO 50+67.71		LT/RT	350219				64.29				CHAIN CL34LAKE	
		50+49.22 TO 51+60.00		LT/RT	328676				39.83				CHAIN CL34LAKE	
		50+54.40 TO 51+47.50		LT	328656				27.12				CHAIN CL34LAKE	
		28+55.50 TO 29+61.91		LT/RT	353231				40.81				CHAIN CLLAKE	
		28+55.50 TO 29+66.17		LT/RT	353244				39.32				CHAIN CLLAKE	
		30+40.85 TO 31+62.27		LT/RT	353215				46.73				CHAIN CLLAKE	
		30+41.27 TO 31+62.27		LT/RT	353263				45.91				CHAIN CLLAKE	
		87+81.94 TO 89+70.06		LT/RT	387166				63.17				CHAIN CL34OSBO	
		87+81.94 TO 89+77.16		LT/RT	387184				61.70				CHAIN CL34OSBO	
		89+77.16 TO 89+83.33		LT	387148				0.07				CHAIN CL34OSBO	
		90+04.74 TO 90+10.80		LT/RT	350265				44.86				CHAIN CL34OSBO	
		90+04.74 TO 90+10.80		LT/RT	350270				43.61				CHAIN CL34OSBO	
		90+39.53 TO 91+95.43		LT/RT	416024				49.28				CHAIN CL34OSBO	
		90+40.49 TO 91+95.45		LT/RT	416040				49.34				CHAIN CL34OSBO	
		27+17.72 TO 29+69.39		LT/RT	479924				73.33				CHAIN CLOSBO	
		29+00.00 TO 29+63.66		RT	386846				17.88				CHAIN CLOSBO	
		30+22.60 TO 30+29.38		RT	387111				0.09				CHAIN CLOSBO	
		30+29.38 TO 31+27.53		LT/RT	387095				27.22				CHAIN CLOSBO	
		30+29.70 TO 30+32.84		LT	387091				0.02				CHAIN CLOSBO	
		30+32.84 TO 31+27.53		LT	387077				26.06				CHAIN CLOSBO	
0337 7 80	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-9.5, PG 76-22	10+37.05 TO 19+00.00		LT/RT	484656			TN	282.74		1281.2		CHAIN BLSURVEY	
		19+00.00 TO 21+80.00		LT/RT	484631				67.12				CHAIN CL3421ST	
		20+16.20 TO 21+17.09		LT/RT	326229				1.29				CHAIN CL3421ST	
		21+80.00 TO 23+07.84		RT	326253				11.93				CHAIN CL3421ST	
		21+80.00 TO 23+08.84		LT/RT	326238				11.94				CHAIN CL3421ST	
		22+93.67 TO 23+48.46		LT/RT	347168				16.02				CHAIN CL3421ST	
		23+47.40 TO 24+01.29		LT/RT	347154				15.76				CHAIN CL3421ST	
		23+81.24 TO 25+81.37		LT/RT	326359				16.35				CHAIN CL3421ST	
		23+87.38 TO 25+81.37		LT	415975				14.11				CHAIN CL3421ST	
		24+55.90 TO 25+52.79		LT	415965				4.36				CHAIN CL3421ST	
		25+81.37 TO 26+80.02		LT/RT	479722				33.33				CHAIN CL3421ST	
		28+57.00 TO 28+66.93		LT/RT	329506				2.24				CHAIN CL21ST	
		28+66.93 TO 29+60.34		LT/RT	352475				7.69				CHAIN CL21ST	
		28+66.93 TO 29+65.72		LT/RT	352457				8.35				CHAIN CL21ST	
		30+38.96 TO 31+07.90		LT/RT	352501				6.36				CHAIN CL21ST	
		30+40.07 TO 31+07.90		LT	352487				5.32				CHAIN CL21ST	
		31+07.90 TO 31+51.00		LT/RT	479637				9.98				CHAIN CL21ST	
		45+04.11 TO 47+64.80		LT/RT	329511				73.88				CHAIN CL34LAKE	
REVISIONS					EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES			SHEET NO.
DATE	DESCRIPTION		DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
								34TH ST	HILLSBOROUGH	437648-1-58-01				SQ-12

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

SUMMARY OF PAVEMENT														
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
0337 7 80	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-9.5, PG 76-22 (CONT'D)	47+64.80 TO 49+74.61		RT	352513			TN	18.42				CHAIN CL34LAKE	
		47+64.80 TO 49+77.82		LT/RT	352531				21.91				CHAIN CL34LAKE	
		59+82.30 TO 62+99.00		LT/RT	484782				126.83				CHAIN BLSURVEY	
		49+60.27 TO 50+67.52		LT/RT	347193				15.72				CHAIN CL34LAKE	
		49+60.29 TO 50+67.71		LT/RT	347181				16.07				CHAIN CL34LAKE	
		50+49.22 TO 51+60.00		LT/RT	326563				9.96				CHAIN CL34LAKE	
		50+54.40 TO 51+48.23		LT	326463				6.85				CHAIN CL34LAKE	
		51+48.23 TO 59+82.92		LT/RT	484718				256.07				CHAIN CL34LAKE	
		27+62.84 TO 28+55.50		LT/RT	329524				21.82				CHAIN CLLAKE	
		28+55.50 TO 29+61.91		LT/RT	352713				10.41				CHAIN CLLAKE	
		28+55.50 TO 29+66.17		LT/RT	352694				9.63				CHAIN CLLAKE	
		30+40.85 TO 31+62.27		LT/RT	352758				12.33				CHAIN CLLAKE	
		30+41.14 TO 31+62.27		LT/RT	352728				10.83				CHAIN CLLAKE	
		31+62.27 TO 32+86.48		LT/RT	479745				29.20				CHAIN CLLAKE	
		87+81.94 TO 89+70.06		LT/RT	479890				15.03				CHAIN CL34OSBO	
		87+81.94 TO 89+77.16		LT/RT	479905				16.19				CHAIN CL34OSBO	
		90+04.74 TO 90+10.80		LT/RT	347378				10.90				CHAIN CL34OSBO	
		90+04.74 TO 90+10.80		LT/RT	347383				11.22				CHAIN CL34OSBO	
		90+39.53 TO 91+95.43		LT	479860				12.17				CHAIN CL34OSBO	
		90+40.49 TO 91+95.45		LT/RT	479872				12.49				CHAIN CL34OSBO	
		27+17.72 TO 29+67.49		LT/RT	386401				18.19		CHAIN CLOSBO			
		27+82.66 TO 29+00.00		RT	386394				8.80		CHAIN CLOSBO			
		29+00.00 TO 29+63.66		RT	386382				4.47		CHAIN CLOSBO			
		30+29.38 TO 31+27.53		LT/RT	386333				6.81		CHAIN CLOSBO			
		30+32.84 TO 31+27.53		LT	386307				6.52		CHAIN CLOSBO			
		31+27.53 TO 31+75.96		LT	386324				3.56		CHAIN CLOSBO			
0526 1 1	PAVERS, ARCHITECTURAL, ROADWAY	22+75.36 TO 22+91.68		LT/RT	370235			SY	21.2		1231		CHAIN CL3421ST	
		23+80.61 TO 23+80.61		LT	370260				385.9				CHAIN CL3421ST	
		24+03.20 TO 24+19.36		LT/RT	370210				24.9				CHAIN CL3421ST	
		28+99.06 TO 29+14.01		LT/RT	370253				6.3				CHAIN CL21ST	
		29+27.89 TO 29+44.20		LT/RT	370244				16.5				CHAIN CL21ST	
		30+56.07 TO 30+72.10		LT/RT	370219				12.3				CHAIN CL21ST	
		30+86.08 TO 31+00.47		LT/RT	370228				6.5				CHAIN CL21ST	
		49+42.00 TO 49+58.49		LT/RT	370337				21.3				CHAIN CL34LAKE	
		50+47.25 TO 50+47.25		LT	370363				385.9				CHAIN CL34LAKE	
		50+69.50 TO 50+86.00		LT/RT	370328				22.9				CHAIN CL34LAKE	
		29+02.47 TO 29+16.00		LT/RT	370355				8.7				CHAIN CL34LAKE	
		29+30.00 TO 29+46.36		LT/RT	370346				17.3				CHAIN CLLAKE	
		30+57.86 TO 30+74.03		LT/RT	370310				13.0				CHAIN CLLAKE	
		30+88.03 TO 31+04.03		LT/RT	370319				8.7				CHAIN CLLAKE	
		89+43.47 TO 89+61.07		LT/RT	370431				12.1				CHAIN CL34OSBO	
		90+32.71 TO 90+32.71		RT	370365				231.5				CHAIN CL34OSBO	
		90+52.87 TO 90+70.47		LT/RT	370412				12.0				CHAIN CL34OSBO	
		29+36.50 TO 29+54.01		LT/RT	370422				11.8				CHAIN CLOSBO	
		30+45.83 TO 30+63.50		LT/RT	370402				12.3				CHAIN CLOSBO	
REVISIONS						EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION											
														34TH ST

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

SUMMARY OF UTILITY ADJUSTMENTS										
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STATION			P	F	P	F		
0425 5	MANHOLE , ADJUST	19+07.36	LT	EA	1		7		CHAIN CL3421ST	
		23+53.25	RT		1				CHAIN CL3421ST	
		26+16.37	RT		1				CHAIN CL3421ST	
		26+25.92	RT		1				CHAIN CL3421ST	
		26+48.08	RT		1				CHAIN CL3421ST	
		47+27.32	LT		1				CHAIN CL34LAKE	
		90+14.96	LT		1				CHAIN CL340SBO	
0425 5 1	MANHOLE , ADJUST , UTILITIES	11+21.44	LT	EA	1		18		CHAIN CL3421ST , SAN.	
		15+38.67	LT		1				CHAIN CL3421ST , SAN.	
		23+36.58	RT		1				CHAIN CL3421ST , SAN.	
		26+31.87	RT		1				CHAIN CL3421ST , SAN.	
		26+32.01	RT		1				CHAIN CL3421ST , SAN.	
		31+42.57	RT		1				CHAIN CL21ST , SAN.	
		64+70.77	RT		1				CHAIN CL34LAKE , SAN.	
		66+31.96	RT		1				CHAIN CL34LAKE , SAN.	
		50+11.28	RT		1				CHAIN CL34LAKE , SAN.	
		52+92.30	RT		1				CHAIN CL34LAKE , SAN.	
		55+44.15	RT		1				CHAIN CL34LAKE , SAN.	
		56+88.06	RT		1				CHAIN CL34LAKE , SAN.	
		29+53.25	RT		1				CHAIN CLLAKE , GAS	
		89+13.43	RT		1				CHAIN CL340SBO , TEL	
		89+57.61	RT		1				CHAIN CL340SBO , SAN.	
		90+36.97	RT		1				CHAIN CL340SBO , TEL	
		90+63.36	RT		1				CHAIN CL340SBO , SAN.	
		28+84.25	LT		1		CHAIN CLOSBO , SAN.			
0425 6	VALVE BOXES , ADJUST	15+19.48	RT	EA	1		27		CHAIN CL3421ST	
		16+35.25	RT		1				CHAIN CL3421ST	
		22+76.54	LT		1				CHAIN CL3421ST	
		22+80.21	RT		1				CHAIN CL3421ST	
		23+63.70	LT		1				CHAIN CL3421ST	
		23+69.95	RT		1				CHAIN CL3421ST	
		23+99.81	RT		1				CHAIN CL3421ST	
		26+34.45	LT		1				CHAIN CL3421ST	
		26+63.70	RT		1				CHAIN CL3421ST	
		46+34.74	LT		1				CHAIN CL34LAKE	
		62+90.10	LT		1				CHAIN CL34LAKE	
		62+92.99	RT		1				CHAIN CL34LAKE	
		49+45.32	LT		1				CHAIN CL34LAKE	
		49+46.31	RT		1				CHAIN CL34LAKE	
		50+30.20	RT		1				CHAIN CL34LAKE	
		50+60.91	RT		1				CHAIN CL34LAKE	
		50+60.96	LT		1				CHAIN CL34LAKE	
		50+79.67	LT		1				CHAIN CL34LAKE	
		52+09.91	LT		1				CHAIN CL34LAKE	
		52+67.08	RT		1				CHAIN CL34LAKE	
		57+93.58	RT		1				CHAIN CL34LAKE	
		89+78.33	RT		1				CHAIN CL340SBO	
		89+81.70	RT		1				CHAIN CL340SBO	
		90+05.47	RT		1				CHAIN CL340SBO	
		90+25.21	RT		1				CHAIN CL340SBO	
		30+51.12	RT		1				CHAIN CLOSBO	
		30+66.21	LT		1				CHAIN CLOSBO	
REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							34TH ST	HILLSBOROUGH	437648-1-58-01	
										SHEET NO.
							SQ-14			

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

SUMMARY OF MISCELLANEOUS DRAINAGE ITEMS										
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.			P	F	P	F		
430-830	PIPE FILLING & PLUGGING - PLACE OUT OF SERVICE	50+38.00 TO 50+59.00	LT	CY	3.9		15.3		EXIST. STR. 17 TO 18 (24" PIPE), CL34LAKE	
		52+82.00 TO 53+02.00	LT/RT		2.3				EXIST. STR. 19 TO 20 (15" PIPE), CL34LAKE	
		29+10.00 TO 29+43.00	LT/RT		2.5				EXIST. STR. 15 TO 18 (15" PIPE), CLLAKE	
		30+85.00 TO 30+98.00	LT/RT		1.7				EXIST. STR. 14 TO 16 (18" PIPE), CLLAKE	
		90+18.00 TO 90+47.00	LT/RT		1.7				EXIST. STR. 33 TO 34 (15" PIPE), CL340SBO	
		90+20.00 TO 90+89.00	LT		3.2				EXIST. STR. 33 TO 35 (15" PIPE), CL340SBO	

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS														
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT	QUANTITY					TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				GROSS LENGTH	DEDUCTIONS TYPE	LENGTH	NET LENGTH P	F	P	F		
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	19+89.21 TO 23+07.77	LT		LF	321.8			321.8		7237		CHAIN CL3421ST	
		19+90.12 TO 23+06.74	RT			325.2			325.2				CHAIN CL3421ST	
		20+21.83 TO 20+21.83	LT/RT			7.0			7.0				CHAIN CL3421ST	
		20+21.83 TO 22+61.86	RT			240.9			240.9				CHAIN CL3421ST	
		20+21.83 TO 22+61.86	LT			240.8			240.8				CHAIN CL3421ST	
		22+61.86 TO 22+61.86	LT/RT			8.0			8.0				CHAIN CL3421ST	
		22+74.86 TO 22+74.86	LT/RT			9.8			9.8				CHAIN CL3421ST	
		22+74.86 TO 22+90.51	LT			17.5			17.5				CHAIN CL3421ST	
		22+74.86 TO 22+92.18	RT			19.4			19.4				CHAIN CL3421ST	
		22+90.51 TO 22+92.18	LT/RT			11.3			11.3				CHAIN CL3421ST	
		23+77.57 TO 24+01.78	RT			29.0			29.0				CHAIN CL3421ST	
		23+79.03 TO 24+04.67	LT			35.0			35.0				CHAIN CL3421ST	
		24+02.70 TO 24+03.62	LT/RT			13.8			13.8				CHAIN CL3421ST	
		24+02.70 TO 24+19.86	LT			19.4			19.4				CHAIN CL3421ST	
		24+03.62 TO 24+19.86	RT			18.4			18.4				CHAIN CL3421ST	
		24+12.27 TO 25+99.35	RT			187.6			187.6				CHAIN CL3421ST	
		24+14.69 TO 24+52.48	LT			38.6			38.6				CHAIN CL3421ST	
		24+19.86 TO 24+19.86	LT/RT			10.8			10.8				CHAIN CL3421ST	
		24+32.86 TO 24+32.86	RT			8.0			8.0				CHAIN CL3421ST	
		24+32.86 TO 25+83.57	LT/RT			152.1			152.1				CHAIN CL3421ST	
		24+32.86 TO 25+83.57	RT			151.9			151.9				CHAIN CL3421ST	
		24+52.48 TO 25+56.26	LT			116.1			116.1				CHAIN CL3421ST	
		24+52.48 TO 25+56.27	LT			104.0			104.0				CHAIN CL3421ST	
		25+56.26 TO 25+63.79	LT			7.5			7.5				CHAIN CL3421ST	
		25+63.79 TO 25+81.32	LT			17.5			17.5				CHAIN CL3421ST	
		25+81.32 TO 25+91.31	LT			10.4			10.4				CHAIN CL3421ST	
		25+83.57 TO 25+83.57	LT/RT			5.8			5.8				CHAIN CL3421ST	
		25+91.31 TO 25+98.77	LT			10.1			10.1				CHAIN CL3421ST	
		25+99.34 TO 26+01.55	LT			6.0			6.0				CHAIN CL3421ST	
		25+99.35 TO 26+19.97	RT			39.9			39.9				CHAIN CL3421ST	
		26+01.67 TO 26+01.97	LT			4.0			4.0				CHAIN CL3421ST	
		26+01.87 TO 26+01.96	LT			6.3			6.3				CHAIN CL3421ST	
		26+01.87 TO 26+01.97	LT			4.3			4.3				CHAIN CL3421ST	
		26+27.11 TO 26+35.79	LT			22.3			22.3				CHAIN CL3421ST	
		26+44.48 TO 26+54.63	RT			38.3			38.3				CHAIN CL3421ST	
		31+75.95 TO 31+78.87	LT		LF	2.9			2.9				CHAIN CL3421ST	
		31+78.87 TO 32+00.66	LT			34.1			34.1				CHAIN CL3421ST	
		28+61.93 TO 29+59.24	RT			104.3			104.3				CHAIN CL21ST	
		28+66.93 TO 29+53.88	LT			89.8			89.8				CHAIN CL21ST	
		28+99.01 TO 28+99.07	LT/RT			5.0			5.0				CHAIN CL21ST	
		28+99.01 TO 29+14.51	LT			16.2			16.2				CHAIN CL21ST	
		28+99.07 TO 29+14.42	RT			15.9			15.9				CHAIN CL21ST	
		29+14.42 TO 29+14.51	LT/RT			3.9			3.9				CHAIN CL21ST	
		29+27.39 TO 29+27.57	LT/RT			6.8			6.8				CHAIN CL21ST	
		29+27.39 TO 29+44.69	RT			19.3			19.3				CHAIN CL21ST	
		29+27.57 TO 29+43.02	LT			17.3			17.3				CHAIN CL21ST	
		29+43.02 TO 29+44.69	LT/RT			9.0			9.0				CHAIN CL21ST	
		30+40.05 TO 31+07.90	RT			74.3			74.3				CHAIN CL21ST	
		30+45.46 TO 30+60.65	LT			16.9			16.9				CHAIN CL21ST	
		30+55.58 TO 30+57.06	LT/RT			6.0			6.0				CHAIN CL21ST	

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		SQ-16

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

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS														
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT	QUANTITY					TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				GROSS LENGTH	DEDUCTIONS TYPE	LENGTH	NET LENGTH P	F	P	F		
0520 1 10	CONCRETE CURB & GUTTER, TYPE F (CONT'D)	30+55.58 TO 30+72.57	LT		LF	19.1			19.1				CHAIN CL21ST	
		30+57.06 TO 30+72.60	RT			17.2			17.2				CHAIN CL21ST	
		30+70.98 TO 31+32.82	LT			62.7			62.7				CHAIN CL21ST	
		30+72.57 TO 30+72.60	LT/RT			5.3			5.3				CHAIN CL21ST	
		30+85.58 TO 30+85.60	LT/RT			3.4			3.4				CHAIN CL21ST	
		30+85.58 TO 31+00.48	LT			15.5			15.5				CHAIN CL21ST	
		30+85.60 TO 31+00.54	RT			15.5			15.5				CHAIN CL21ST	
		31+00.48 TO 31+00.54	LT/RT			6.5			6.5				CHAIN CL21ST	
		31+10.40 TO 31+12.81	LT			11.2			11.2				CHAIN CL21ST	
		46+98.78 TO 49+15.02	RT			216.1			216.1				CHAIN CL34LAKE	
		47+64.89 TO 49+15.04	LT			153.6			153.6				CHAIN CL34LAKE	
		47+70.52 TO 47+70.93	LT/RT			7.1			7.1				CHAIN CL34LAKE	
		47+70.52 TO 49+28.50	RT			159.1			159.1				CHAIN CL34LAKE	
		47+70.93 TO 49+28.50	LT			159.5			159.5				CHAIN CL34LAKE	
		49+24.95 TO 49+76.81	LT			55.8			55.8				CHAIN CL34LAKE	
		49+24.97 TO 49+73.52	RT			54.1			54.1				CHAIN CL34LAKE	
		49+28.50 TO 49+28.50	LT/RT			8.0			8.0				CHAIN CL34LAKE	
		49+41.50 TO 49+41.50	LT/RT			9.5			9.5				CHAIN CL34LAKE	
		49+41.50 TO 49+57.09	LT			17.4			17.4				CHAIN CL34LAKE	
		49+41.50 TO 49+58.98	RT			19.8			19.8				CHAIN CL34LAKE	
		49+57.09 TO 49+58.98	LT/RT			11.9			11.9				CHAIN CL34LAKE	
		50+50.20 TO 50+68.81	RT			21.9			21.9				CHAIN CL34LAKE	
		50+55.53 TO 50+73.87	LT			22.6			22.6				CHAIN CL34LAKE	
		50+84.52 TO 52+89.92	LT			205.1			205.1				CHAIN CL34LAKE	
		50+69.01 TO 50+70.87	LT/RT			12.4			12.4				CHAIN CL34LAKE	
		50+69.01 TO 50+86.50	LT			19.6			19.6				CHAIN CL34LAKE	
		50+70.87 TO 50+86.50	RT			17.5			17.5				CHAIN CL34LAKE	
		50+79.42 TO 50+85.75	RT			6.4			6.4				CHAIN CL34LAKE	
		50+86.50 TO 50+86.50	LT/RT			10.8			10.8				CHAIN CL34LAKE	
		50+91.00 TO 50+91.81	LT			0.8			0.8				CHAIN CL34LAKE	
		50+99.50 TO 50+99.50	LT/RT			10.0			10.0				CHAIN CL34LAKE	
		50+99.50 TO 52+57.54	RT			158.6			158.6				CHAIN CL34LAKE	
		50+99.50 TO 52+58.95	LT/RT			161.7			161.7				CHAIN CL34LAKE	
		52+57.54 TO 52+58.95	RT			6.4			6.4				CHAIN CL34LAKE	
		52+99.84 TO 52+99.94	LT			0.1			0.1				CHAIN CL34LAKE	
		53+15.93 TO 53+18.92	RT			3.0			3.0				CHAIN CL34LAKE	
		53+28.84 TO 55+14.99	RT			184.7			184.7				CHAIN CL34LAKE	
		53+66.16 TO 53+66.16	RT			0.8			0.8				CHAIN CL34LAKE	
		53+86.16 TO 53+86.16	RT			0.8			0.8				CHAIN CL34LAKE	
		28+64.71 TO 28+94.87	RT			30.2			30.2				CHAIN CLLAKE	
		28+64.81 TO 28+95.17	LT			30.4			30.4				CHAIN CLLAKE	
		29+02.44 TO 29+02.88	LT/RT			9.9			9.9				CHAIN CLLAKE	
		29+02.44 TO 29+16.50	LT			14.7			14.7				CHAIN CLLAKE	
		29+02.88 TO 29+16.50	RT			14.2			14.2				CHAIN CLLAKE	
		29+04.75 TO 29+60.80	RT			61.9			61.9				CHAIN CLLAKE	
		29+05.08 TO 29+65.18	LT			64.7			64.7				CHAIN CLLAKE	
		29+16.50 TO 29+16.50	LT/RT			4.1			4.1				CHAIN CLLAKE	
		29+29.50 TO 29+29.50	LT/RT			6.8			6.8				CHAIN CLLAKE	
		29+29.50 TO 29+45.03	LT			17.3			17.3				CHAIN CLLAKE	
		29+29.50 TO 29+46.85	RT			19.8			19.8				CHAIN CLLAKE	

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					34TH ST	HILLSBOROUGH	437648-1-58-01	

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

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS														
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT	QUANTITY					TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				GROSS LENGTH	DEDUCTIONS TYPE	LENGTH	NET LENGTH P	F	P	F		
0520 1 10	CONCRETE CURB & GUTTER, TYPE F (CONT'D)	29+45.03 TO 29+46.85	LT/RT		LF	10.1			10.1				CHAIN CLLAKE	
		30+41.93 TO 30+95.03	RT			59.0			59.0				CHAIN CLLAKE	
		30+42.22 TO 30+95.04	LT			57.6			57.6				CHAIN CLLAKE	
		30+57.38 TO 30+59.09	LT/RT			7.2			7.2				CHAIN CLLAKE	
		30+57.38 TO 30+74.53	LT			19.4			19.4				CHAIN CLLAKE	
		30+59.09 TO 30+74.53	RT			17.1			17.1				CHAIN CLLAKE	
		30+74.53 TO 30+74.53	LT/RT			5.0			5.0				CHAIN CLLAKE	
		30+87.53 TO 30+87.53	LT/RT			4.0			4.0				CHAIN CLLAKE	
		30+87.53 TO 31+04.53	LT			19.0			19.0				CHAIN CLLAKE	
		30+87.53 TO 31+04.53	LT/RT			19.0			19.0				CHAIN CLLAKE	
		31+04.53 TO 31+04.53	LT			1.0			1.0				CHAIN CLLAKE	
		31+04.96 TO 31+67.96	RT			63.0			63.0				CHAIN CLLAKE	
		31+04.97 TO 31+69.77	LT			64.9			64.9				CHAIN CLLAKE	
		87+81.87 TO 88+05.18	RT			23.3			23.3				CHAIN CL34OSBO	
		87+88.64 TO 88+05.21	LT			24.2			24.2				CHAIN CL34OSBO	
		88+15.08 TO 89+68.28	RT			155.2			155.2				CHAIN CL34OSBO	
		88+15.11 TO 89+81.28	LT			172.5			172.5				CHAIN CL34OSBO	
		89+01.38 TO 89+01.38	LT/RT			5.1			5.1				CHAIN CL34OSBO	
		89+01.38 TO 89+32.97	RT			32.3			32.3				CHAIN CL34OSBO	
		89+01.38 TO 89+32.97	LT			32.3			32.3				CHAIN CL34OSBO	
		89+32.97 TO 89+32.97	LT/RT			4.0			4.0				CHAIN CL34OSBO	
		89+42.97 TO 89+42.97	LT/RT			4.4			4.4				CHAIN CL34OSBO	
		89+42.97 TO 89+59.84	LT			18.4			18.4				CHAIN CL34OSBO	
		89+42.97 TO 89+61.55	RT			20.8			20.8				CHAIN CL34OSBO	
		89+59.84 TO 89+61.55	LT/RT			5.7			5.7				CHAIN CL34OSBO	
		90+38.94 TO 90+91.58	LT			57.2			57.2				CHAIN CL34OSBO	
		90+41.69 TO 90+91.65	RT			52.7			52.7				CHAIN CL34OSBO	
		90+52.39 TO 90+54.09	LT/RT			5.6			5.6				CHAIN CL34OSBO	
		90+52.39 TO 90+70.97	LT			20.7			20.7				CHAIN CL34OSBO	
		90+54.09 TO 90+70.97	RT			18.4			18.4				CHAIN CL34OSBO	
		90+70.97 TO 90+70.97	LT/RT			4.4			4.4				CHAIN CL34OSBO	
		90+80.97 TO 90+80.97	LT/RT			4.0			4.0				CHAIN CL34OSBO	
		90+80.97 TO 91+12.55	LT			32.3			32.3				CHAIN CL34OSBO	
		90+80.97 TO 91+12.55	RT			32.3			32.3				CHAIN CL34OSBO	
		91+01.50 TO 91+85.49	LT			84.1			84.1				CHAIN CL34OSBO	
		91+01.57 TO 91+95.61	RT			94.3			94.3				CHAIN CL34OSBO	
		91+12.55 TO 91+12.55	LT/RT			5.1			5.1				CHAIN CL34OSBO	
		27+17.73 TO 29+66.40	LT			252.7			252.7				CHAIN CLOSBO	
		27+28.14 TO 27+28.20	LT/RT			5.3			5.3				CHAIN CLOSBO	
		27+28.20 TO 29+26.00	LT			198.4			198.4				CHAIN CLOSBO	
		27+82.72 TO 29+26.00	RT			143.9			143.9				CHAIN CLOSBO	
		29+16.25 TO 29+62.00	RT			45.8			45.8				CHAIN CLOSBO	
		29+26.00 TO 29+26.00	LT/RT			4.0			4.0				CHAIN CLOSBO	
		29+35.00 TO 29+36.22	RT			1.2			1.2				CHAIN CLOSBO	
		29+36.00 TO 29+36.00	LT/RT			4.2			4.2				CHAIN CLOSBO	
		29+36.00 TO 29+52.90	LT			18.5			18.5				CHAIN CLOSBO	
		29+36.00 TO 29+54.49	RT			20.7			20.7				CHAIN CLOSBO	
		29+52.90 TO 29+54.49	LT/RT			5.6			5.6				CHAIN CLOSBO	
		30+24.80 TO 30+64.95	RT			45.6			45.6				CHAIN CLOSBO	
		30+31.31 TO 30+60.79	LT			35.4			35.4				CHAIN CLOSBO	

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					34TH ST	HILLSBOROUGH	437648-1-58-01	

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

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS														
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT	QUANTITY					TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				GROSS LENGTH	DEDUCTIONS TYPE	LENGTH	NET LENGTH P	F	P	F		
0520 1 10	CONCRETE CURB & GUTTER, TYPE F (CONT'D)	30+45.36 TO 30+47.16	LT		LF	3.2			3.2				CHAIN CLOSBO	
		30+45.36 TO 30+47.18	LT/RT			5.8			5.8				CHAIN CLOSBO	
		30+47.16 TO 30+60.79	LT			13.8			13.8				CHAIN CLOSBO	
		30+47.18 TO 30+50.29	RT			4.0			4.0				CHAIN CLOSBO	
		30+50.29 TO 30+63.09	RT			12.9			12.9				CHAIN CLOSBO	
		30+60.15 TO 30+64.33	LT			4.2			4.2				CHAIN CLOSBO	
		30+60.79 TO 30+63.00	LT			2.2			2.2				CHAIN CLOSBO	
		30+63.00 TO 30+64.00	LT			1.6			1.6				CHAIN CLOSBO	
		30+63.09 TO 30+64.00	RT			1.5			1.5				CHAIN CLOSBO	
		30+64.00 TO 30+64.00	LT/RT			4.6			4.6				CHAIN CLOSBO	
		30+64.33 TO 30+65.01	LT			0.7			0.7				CHAIN CLOSBO	
		30+64.95 TO 30+66.80	RT			1.9			1.9				CHAIN CLOSBO	
		30+65.01 TO 30+67.00	LT			2.0			2.0				CHAIN CLOSBO	
		30+66.80 TO 30+70.96	RT			4.2			4.2				CHAIN CLOSBO	
		30+67.00 TO 30+71.00	LT			4.0			4.0				CHAIN CLOSBO	
		30+70.96 TO 30+72.83	RT			1.9			1.9				CHAIN CLOSBO	
		30+71.00 TO 30+73.04	LT			2.1			2.1				CHAIN CLOSBO	
		30+72.83 TO 30+86.38	RT			13.6			13.6				CHAIN CLOSBO	
		30+73.04 TO 30+85.99	LT			13.0			13.0				CHAIN CLOSBO	
		30+74.00 TO 30+74.00	LT/RT			4.1			4.1				CHAIN CLOSBO	
		30+74.00 TO 30+74.98	LT			1.5			1.5				CHAIN CLOSBO	
		30+74.00 TO 30+75.00	RT			1.6			1.6				CHAIN CLOSBO	
		30+74.98 TO 31+13.14	LT			38.2			38.2				CHAIN CLOSBO	
		30+75.00 TO 31+14.23	RT			39.2			39.2				CHAIN CLOSBO	
		30+96.30 TO 31+14.25	RT			18.0			18.0				CHAIN CLOSBO	
		30+97.31 TO 31+11.68	LT			14.4			14.4				CHAIN CLOSBO	
		31+11.68 TO 31+25.98	LT			14.4			14.4				CHAIN CLOSBO	
		31+13.14 TO 31+81.49	LT			68.4			68.4				CHAIN CLOSBO	
		31+14.23 TO 31+27.51	RT			13.3			13.3				CHAIN CLOSBO	
		31+14.25 TO 31+27.53	RT			13.3			13.3				CHAIN CLOSBO	
		31+25.98 TO 31+32.00	LT			6.0			6.0				CHAIN CLOSBO	
		31+32.00 TO 31+61.65	LT			29.7			29.7				CHAIN CLOSBO	
		31+61.65 TO 31+69.95	LT			8.3			8.3				CHAIN CLOSBO	
		31+69.95 TO 31+75.95	LT			6.0			6.0				CHAIN CLOSBO	
0520 1 12	CONCRETE C&G, TYPE F WITH SPECIAL GUTTER PROF	50+85.75 TO 52+50.06	RT.		LF	164.4					430		CHAIN CLLAKE	
		52+50.06 TO 52+70.56	RT.			39.5							CHAIN CLLAKE	
		52+95.42 TO 53+15.93	RT.			39.4							CHAIN CLLAKE	
		52+99.94 TO 54+85.31	LT.			186.8							CHAIN CLLAKE	
0520 2 4	CONCRETE CURB, TYPE D	23+25.61 TO 23+69.11	RT		LF	68.3			68.3		372		CHAIN CL3421ST	
		23+25.61 TO 23+69.11	RT			68.3			68.3				CHAIN CL3421ST	
		49+92.25 TO 50+35.75	LT/RT			68.3			68.3				CHAIN CL34LAKE	
		49+92.25 TO 50+35.75	LT/RT			68.3			68.3				CHAIN CL34LAKE	
		89+91.22 TO 90+22.72	LT			49.5			49.5				CHAIN CL34OSBO	
		89+91.22 TO 90+22.72	LT			49.5			49.5				CHAIN CL34OSBO	
0520 2 8	CONCRETE CURB, TYPE RA	23+13.36 TO 23+81.36	RT		LF	106.8			106.8		594		CHAIN CL3421ST	
		23+13.36 TO 23+81.36	RT			106.8			106.8				CHAIN CL3421ST	
		49+80.00 TO 50+48.00	LT/RT			106.8			106.8				CHAIN CL34LAKE	
		49+80.00 TO 50+48.00	LT/RT			106.8			106.8				CHAIN CL34LAKE	
		89+80.47 TO 90+33.47	LT			83.3			83.3				CHAIN CL34OSBO	
		89+80.47 TO 90+33.47	LT			83.3			83.3				CHAIN CL34OSBO	

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		SQ-19

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

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS															
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS			
					0522 1		0522 2		0527 2						
					SY		SY		SF						
STA. TO STA.					P	F	P	F	P	F					
19+86.56 TO 20+02.57	LT	473575			8.6						CHAIN CL3421ST				
20+14.10 TO 20+35.67	LT	473581			11.7						CHAIN CL3421ST				
20+47.00 TO 20+72.36	LT	473588			14.0						CHAIN CL3421ST				
20+84.36 TO 21+67.03	LT	322184			45.9						CHAIN CL3421ST				
21+69.49 TO 22+19.03	RT	322481			27.5						CHAIN CL3421ST				
21+79.03 TO 22+06.13	LT	322189			15.1						CHAIN CL3421ST				
22+26.13 TO 22+60.20	LT	473597			18.9						CHAIN CL3421ST				
22+60.84 TO 22+75.56	LT/RT	360194			15.5						CHAIN CL3421ST				
24+19.21 TO 24+33.93	LT/RT	360184			16.0						CHAIN CL3421ST				
24+29.36 TO 24+49.95	RT	473696			11.4						CHAIN CL3421ST				
24+44.04 TO 24+50.32	LT	339234			12.3						CHAIN CL3421ST				
24+78.73 TO 24+86.55	RT	337870			4.3						CHAIN CL3421ST				
25+06.55 TO 25+13.97	RT	337874			4.1						CHAIN CL3421ST				
25+29.90 TO 25+63.33	RT	354151			18.6						CHAIN CL3421ST				
25+47.27 TO 25+81.32	LT	473734			24.5						CHAIN CL3421ST				
25+83.33 TO 25+93.33	RT	473702			5.6						CHAIN CL3421ST				
25+95.32 TO 26+01.44	LT	473726			7.6						CHAIN CL3421ST				
26+13.33 TO 26+19.33	RT	473720			3.8						CHAIN CL3421ST				
26+45.27 TO 26+50.79	RT	473713			6.8						CHAIN CL3421ST				
28+69.60 TO 28+76.92	RT	322205			3.2						CHAIN CL21ST				
28+88.92 TO 29+08.64	RT	473602			10.3						CHAIN CL21ST				
29+07.59 TO 29+13.55	LT	322216			4.3						CHAIN CL21ST				
29+13.25 TO 29+28.13	LT/RT	360226			11.9						CHAIN CL21ST				
30+71.84 TO 30+86.76	LT/RT	360237			10.9						CHAIN CL21ST				
30+74.71 TO 30+98.40	LT	473673			17.8						CHAIN CL21ST				
30+74.73 TO 30+94.31	RT	473656			14.0						CHAIN CL21ST				
30+94.60 TO 30+99.61	LT	322249			3.9						CHAIN CL21ST				
31+10.40 TO 31+15.40	LT	473686			2.7						CHAIN CL21ST				
31+20.11 TO 31+25.11	LT	473691			3.8						CHAIN CL21ST				
47+64.35 TO 48+59.37	RT	322500			49.0						CHAIN CL34LAKE				
48+53.18 TO 49+37.00	LT	473795			49.9						CHAIN CL34LAKE				
48+88.96 TO 49+28.55	RT	474012			34.9						CHAIN CL34LAKE				
49+27.50 TO 49+42.15	LT/RT	360138			15.4						CHAIN CL34LAKE				
50+85.74 TO 51+00.50	LT/RT	360247			17.3						CHAIN CL34LAKE				
50+88.91 TO 52+21.23	LT	473849			87.2						CHAIN CL34LAKE				
51+02.49 TO 51+31.41	RT	474047			20.3						CHAIN CL34LAKE				
51+45.36 TO 52+50.06	RT	474027			58.2						CHAIN CL34LAKE				
52+45.43 TO 54+52.73	LT	322604			113.8						CHAIN CL34LAKE				
52+64.05 TO 52+70.05	RT	474039			5.8						CHAIN CL34LAKE				
53+16.80 TO 53+70.16	RT	474034			29.6						CHAIN CL34LAKE				
53+82.16 TO 55+14.38	RT	322599			72.2						CHAIN CL34LAKE				
28+56.09 TO 29+21.30	LT	473832			36.6						CHAIN CLLAKE				
28+61.15 TO 29+19.00	RT	473814			33.1						CHAIN CLLAKE				
29+15.36 TO 29+30.14	LT/RT	360150			11.6						CHAIN CLLAKE				
30+73.81 TO 30+88.53	LT/RT	360173			10.6						CHAIN CLLAKE				
30+78.41 TO 31+35.77	LT	473963			33.9						CHAIN CLLAKE				
30+85.10 TO 31+17.96	RT	473992			17.8						CHAIN CLLAKE				
SUB-TOTAL :					1052.2										
TOTAL :					1478		2553		737						
REVISIONS						EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES	SHEET NO.		
DATE	DESCRIPTION		DATE	DESCRIPTION					ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
									34TH ST	HILLSBOROUGH	437648-1-58-01		SQ-20		

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

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS														
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS		
					0522 1		0522 2		0527 2					
					SY		SY		SF					
STA. TO STA.					P	F	P	F	P	F				
31+57.96 TO 31+68.03	RT	322538			5.4						CHAIN CLLAKE			
31+59.76 TO 31+79.77	LT	473982			12.4						CHAIN CLLAKE			
87+89.37 TO 89+35.47	LT	357465			80.5						CHAIN CL340SBO			
87+92.02 TO 88+32.28	RT	323620			22.5						CHAIN CL340SBO			
88+44.27 TO 88+79.88	RT	323628			19.8						CHAIN CL340SBO			
88+91.87 TO 89+44.52	RT	475751			31.6						CHAIN CL340SBO			
89+31.97 TO 89+43.97	LT/RT	360263			7.6						CHAIN CL340SBO			
90+69.97 TO 90+81.97	LT/RT	360277			7.6						CHAIN CL340SBO			
90+85.47 TO 91+25.66	LT	475768			25.7						CHAIN CL340SBO			
91+44.72 TO 91+87.40	RT	475669			24.0						CHAIN CL340SBO			
91+55.66 TO 91+66.51	LT	475662			6.1						CHAIN CL340SBO			
27+34.10 TO 27+54.09	LT	337760			11.1						CHAIN CLOSBO			
27+63.98 TO 28+03.05	LT	337752			21.5						CHAIN CLOSBO			
28+13.72 TO 28+47.48	LT	475617			18.5						CHAIN CLOSBO			
28+69.48 TO 29+25.37	LT	475624			30.9						CHAIN CLOSBO			
28+90.25 TO 29+00.25	RT	475611			5.4						CHAIN CLOSBO			
29+12.24 TO 29+23.21	RT	338025			5.9						CHAIN CLOSBO			
29+25.00 TO 29+36.96	LT/RT	360310			7.6						CHAIN CLOSBO			
30+63.00 TO 30+75.00	LT/RT	360299			7.6						CHAIN CLOSBO			
30+65.00 TO 31+35.96	LT	475725			45.1						CHAIN CLOSBO			
30+72.83 TO 30+99.19	RT	475742			13.3						CHAIN CLOSBO			
31+65.96 TO 31+96.24	LT	337971			15.7						CHAIN CLOSBO			
19+92.93 TO 20+24.65	LT	478044					20.1				CHAIN CL3421ST			
20+25.67 TO 20+57.48	LT	478057					29.4				CHAIN CL3421ST			
20+62.36 TO 20+94.36	LT	478062					32.9				CHAIN CL3421ST			
21+57.03 TO 21+89.03	LT	478066					33.5				CHAIN CL3421ST			
21+96.13 TO 22+36.13	LT	478070					46.6				CHAIN CL3421ST			
22+09.03 TO 22+53.03	RT	478074					54.0				CHAIN CL3421ST			
22+43.03 TO 23+06.37	RT	477238					46.3				CHAIN CL3421ST			
22+60.20 TO 23+07.41	LT	477534					31.4				CHAIN CL3421ST			
22+75.21 TO 22+91.53	LT/RT	418439					21.2				CHAIN CL3421ST			
23+47.18 TO 23+47.23	LT/RT	418434					110.4				CHAIN CL3421ST			
23+47.18 TO 23+47.23	LT/RT	418429					110.4				CHAIN CL3421ST			
23+77.91 TO 24+30.83	RT	477590					35.6				CHAIN CL3421ST			
23+79.40 TO 24+35.63	LT	477514					46.9				CHAIN CL3421ST			
24+03.04 TO 24+19.21	LT/RT	418464					24.9				CHAIN CL3421ST			
24+76.55 TO 25+16.55	RT	478078					46.2				CHAIN CL3421ST			
25+53.33 TO 25+93.33	RT	478087					46.4				CHAIN CL3421ST			
25+81.32 TO 26+01.55	LT	477331					21.1				CHAIN CL3421ST			
25+93.33 TO 26+19.41	RT	477367					20.5				CHAIN CL3421ST			
26+27.11 TO 26+47.26	LT	477342					11.3				CHAIN CL3421ST			
26+44.48 TO 26+61.86	RT	477352					19.7				CHAIN CL3421ST			
28+66.93 TO 28+98.93	RT	478096					19.9				CHAIN CL21ST			
28+99.07 TO 29+14.02	LT/RT	418457					6.3				CHAIN CL21ST			
29+08.49 TO 29+58.87	RT	477569					36.2				CHAIN CL21ST			
29+11.58 TO 29+53.56	LT	477499					29.3				CHAIN CL21ST			
29+27.90 TO 29+44.21	LT/RT	418448					16.5				CHAIN CL21ST			
30+40.41 TO 30+74.76	RT	477253					22.9				CHAIN CL21ST			
SUB-TOTAL :					425.8		939.9							
REVISIONS							EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.				COUNTY	FINANCIAL PROJECT ID			
						34TH ST				HILLSBOROUGH	437648-1-58-01	SQ-21		

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

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS												
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1		0522 2		0527 2			
					SY		SY		SF			
STA. TO STA.					P	F	P	F	P	F		
30+45.81 TO 30+74.95	LT	477578					16.8				CHAIN CL21ST	
30+56.08 TO 30+72.12	LT/RT	418473					12.3				CHAIN CL21ST	
30+86.09 TO 31+00.48	LT/RT	418482					6.5				CHAIN CL21ST	
30+88.40 TO 31+11.29	LT	478124					24.2				CHAIN CL21ST	
48+49.03 TO 48+98.96	RT	478135					93.1				CHAIN CL34LAKE	
49+28.55 TO 49+68.89	RT	477425					34.5				CHAIN CL34LAKE	
49+37.00 TO 49+76.48	LT	477675					27.0				CHAIN CL34LAKE	
49+41.35 TO 49+58.83	LT/RT	418506					24.5				CHAIN CL34LAKE	
50+13.85 TO 50+13.85	LT/RT	418424					110.4				CHAIN CL34LAKE	
50+13.85 TO 50+13.85	LT/RT	418419					110.4				CHAIN CL34LAKE	
50+50.52 TO 51+02.50	RT	477633					32.6				CHAIN CL34LAKE	
50+55.90 TO 50+90.50	LT	477722					20.2				CHAIN CL34LAKE	
50+68.86 TO 50+86.35	LT/RT	418515					26.1				CHAIN CL34LAKE	
51+21.41 TO 51+55.36	RT	478145					36.0				CHAIN CL34LAKE	
52+11.23 TO 52+55.43	LT	478154					67.8				CHAIN CL34LAKE	
52+50.05 TO 52+70.56	RT	477646					17.3				CHAIN CL34LAKE	
52+95.92 TO 53+16.80	RT	477661					19.9				CHAIN CL34LAKE	
53+60.16 TO 53+92.16	RT	478163					29.8				CHAIN CL34LAKE	
29+02.45 TO 29+16.51	LT/RT	418489					11.0				CHAIN CLLAKE	
29+18.78 TO 29+60.43	RT	477683					28.6				CHAIN CLLAKE	
29+20.72 TO 29+64.85	LT	477713					31.3				CHAIN CLLAKE	
29+29.51 TO 29+46.87	LT/RT	418497					20.3				CHAIN CLLAKE	
30+42.59 TO 30+78.49	LT	477626					25.3				CHAIN CLLAKE	
30+44.89 TO 30+85.16	RT	477442					33.6				CHAIN CLLAKE	
30+57.39 TO 30+74.55	LT/RT	418524					15.6				CHAIN CLLAKE	
30+87.55 TO 31+04.55	LT/RT	418533					11.0				CHAIN CLLAKE	
31+07.96 TO 31+67.96	RT	478172					54.1				CHAIN CLLAKE	
31+25.77 TO 31+69.77	LT	478182					28.3				CHAIN CLLAKE	
88+22.55 TO 88+54.55	RT	478191					26.1				CHAIN CL34OSBO	
88+70.10 TO 89+02.15	RT	478217					19.9				CHAIN CL34OSBO	
89+33.97 TO 89+77.07	LT	477771					28.0				CHAIN CL34OSBO	
89+43.31 TO 89+60.92	LT/RT	418551					12.1				CHAIN CL34OSBO	
89+44.50 TO 89+66.33	RT	477791					12.0				CHAIN CL34OSBO	
90+06.26 TO 90+07.37	LT/RT	418414					72.4				CHAIN CL34OSBO	
90+06.26 TO 90+07.37	LT/RT	418409					72.4				CHAIN CL34OSBO	
90+42.82 TO 90+85.47	LT	477818					29.5				CHAIN CL34OSBO	
90+45.69 TO 90+85.98	RT	477878					27.1				CHAIN CL34OSBO	
90+52.72 TO 90+70.31	LT/RT	418571					12.0				CHAIN CL34OSBO	
90+85.98 TO 91+20.72	RT	477838					18.4				CHAIN CL34OSBO	
91+10.40 TO 91+54.45	RT	478207					24.9				CHAIN CL34OSBO	
91+15.52 TO 91+65.52	LT	478200					36.0				CHAIN CL34OSBO	
27+44.09 TO 27+73.98	LT	478267					19.0				CHAIN CLOSBO	
27+93.05 TO 28+23.72	LT	478256					23.5				CHAIN CLOSBO	
28+37.48 TO 28+79.48	LT	478247					42.3				CHAIN CLOSBO	
28+90.25 TO 29+22.25	RT	478236					15.2				CHAIN CLOSBO	
29+23.21 TO 29+58.59	RT	477941					20.3				CHAIN CLOSBO	
29+25.37 TO 29+63.21	LT	477999					25.6				CHAIN CLOSBO	
29+28.35 TO 29+33.67	RT	477934					1.0				CHAIN CLOSBO	
SUB-TOTAL :							1506.2					
REVISIONS						EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES
DATE	DESCRIPTION		DATE	DESCRIPTION					ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
									34TH ST	HILLSBOROUGH	437648-1-58-01	
											SHEET NO.	
											SQ-22	

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

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS															
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS			
					0522 1		0522 2		0527 2						
					SY		SY		SF						
STA. TO STA.					P	F	P	F	P	F					
29+36.51 TO 29+54.02	LT/RT	418542					11.8				CHAIN CLOSBO				
30+27.21 TO 30+72.83	RT	477912					28.6				CHAIN CLOSBO				
30+36.68 TO 30+65.00	LT	478020					16.5				CHAIN CLOSBO				
30+45.84 TO 30+63.52	LT/RT	418561					12.3				CHAIN CLOSBO				
31+25.88 TO 31+75.95	LT	478225					38.2				CHAIN CLOSBO				
22+63.30 TO 22+73.37	LT	361980							20.1		CHAIN CL3421ST				
22+63.31 TO 22+73.36	RT	361973							20.1		CHAIN CL3421ST				
22+65.24 TO 22+71.70	LT	361994							10.7		CHAIN CL3421ST				
22+65.24 TO 22+71.81	RT	361987							10.9		CHAIN CL3421ST				
24+21.35 TO 24+31.42	RT	362069							20.1		CHAIN CL3421ST				
24+21.36 TO 24+31.43	LT/RT	362078							20.2		CHAIN CL3421ST				
24+22.98 TO 24+29.49	RT	362062							10.8		CHAIN CL3421ST				
24+23.27 TO 24+28.83	LT	362085							9.0		CHAIN CL3421ST				
25+96.89 TO 26+00.74	LT	256579							10.9		CHAIN CL3421ST				
26+14.53 TO 26+18.61	RT	385374							11.5		CHAIN CL3421ST				
26+28.09 TO 26+32.80	LT	385361							14.1		CHAIN CL3421ST				
26+45.31 TO 26+47.76	RT	362098							10.0		CHAIN CL3421ST				
29+15.83 TO 29+25.94	LT/RT	362006							20.0		CHAIN CL21ST				
29+15.90 TO 29+26.07	LT	362015							20.2		CHAIN CL21ST				
29+16.85 TO 29+22.31	LT	362024							8.7		CHAIN CL21ST				
29+18.36 TO 29+22.91	RT	362001							8.7		CHAIN CL21ST				
30+74.06 TO 30+84.15	LT	362046							20.0		CHAIN CL21ST				
30+74.09 TO 30+84.19	RT	362039							20.1		CHAIN CL21ST				
30+76.04 TO 30+81.61	LT	362055							8.8		CHAIN CL21ST				
30+76.43 TO 30+81.89	RT	362030							8.7		CHAIN CL21ST				
49+29.95 TO 49+40.00	RT	362100							20.1		CHAIN CL34LAKE				
49+29.95 TO 49+40.02	LT	362107							20.0		CHAIN CL34LAKE				
49+32.40 TO 49+37.94	RT	362123							8.8		CHAIN CL34LAKE				
49+33.00 TO 49+37.00	LT	362116							8.0		CHAIN CL34LAKE				
50+87.98 TO 50+98.05	LT	362207							20.0		CHAIN CL34LAKE				
50+87.99 TO 50+98.05	RT	362198							20.0		CHAIN CL34LAKE				
50+90.25 TO 50+95.68	LT	362216							8.7		CHAIN CL34LAKE				
50+90.66 TO 50+95.00	RT	362191							8.6		CHAIN CL34LAKE				
52+64.55 TO 52+69.03	RT	386199							12.2		CHAIN CL34LAKE				
52+96.58 TO 53+00.90	RT	386204							12.7		CHAIN CL34LAKE				
29+17.92 TO 29+28.01	LT	362163							20.1		CHAIN CLLAKE				
29+17.94 TO 29+28.00	LT/RT	362172							20.1		CHAIN CLLAKE				
29+20.42 TO 29+25.77	RT	362179							8.7		CHAIN CLLAKE				
29+21.21 TO 29+25.64	LT	362186							8.5		CHAIN CLLAKE				
30+76.02 TO 30+86.08	LT	362147							20.0		CHAIN CLLAKE				
30+76.02 TO 30+86.08	LT/RT	362138							20.0		CHAIN CLLAKE				
30+78.21 TO 30+83.71	RT	362130							8.7		CHAIN CLLAKE				
30+78.57 TO 30+83.03	LT	362156							8.8		CHAIN CLLAKE				
87+92.17 TO 87+94.37	LT	385392							9.0		CHAIN CL34OSBO				
89+34.26 TO 89+41.60	LT	479978							14.1		CHAIN CL34OSBO				
89+34.26 TO 89+41.67	RT	479987							14.1		CHAIN CL34OSBO				
89+35.29 TO 89+40.64	RT	362262							8.6		CHAIN CL34OSBO				
89+35.29 TO 89+40.78	LT	362285							8.7		CHAIN CL34OSBO				
SUB-TOTAL :							107.4		592.1						
REVISIONS						EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES			
DATE	DESCRIPTION		DATE	DESCRIPTION					ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
									34TH ST	HILLSBOROUGH	437648-1-58-01				
									SHEET NO.						
									SQ-23						

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

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS																
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS				
					0522 1		0522 2		0527 2							
					SY		SY		SF							
STA. TO STA.					P	F	P	F	P	F						
90+72.26 TO 90+79.67	LT	479955							14.1		CHAIN CL340SBO					
90+72.33 TO 90+79.67	RT	479946							14.1		CHAIN CL340SBO					
90+73.97 TO 90+77.97	LT	362317							8.0		CHAIN CL340SBO					
90+74.18 TO 90+78.48	RT	362310							8.5		CHAIN CL340SBO					
29+27.29 TO 29+34.65	LT	480001							14.1		CHAIN CLOSBO					
29+27.29 TO 29+34.70	RT	479994							14.1		CHAIN CLOSBO					
29+28.32 TO 29+33.76	LT	362322							8.7		CHAIN CLOSBO					
29+28.35 TO 29+33.67	RT	362347							8.6		CHAIN CLOSBO					
30+65.29 TO 30+72.69	LT	479962							14.1		CHAIN CLOSBO					
30+65.39 TO 30+72.71	RT	479969							14.1		CHAIN CLOSBO					
30+66.27 TO 30+71.57	RT	362257							8.6		CHAIN CLOSBO					
30+66.33 TO 30+71.70	LT	362225							8.6		CHAIN CLOSBO					
31+89.66 TO 31+91.67	LT	385389							9.0		CHAIN CLOSBO					
SUB-TOTAL :									144.6							
SUMMARY OF FENCING																
PAY ITEM NO.	DESCRIPTION		LOCATION		SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS				
			STA. TO STA.				P	F	P	F						
0550 10228	FENCING, TYPE B, 5.1- 6.0' HEIGHT, RESET EXISTING		52+52.94 TO 52+93.62		LT.	LF	40.8		153		CHAIN CL34LAKE					
			52+93.62 TO 53+50.00		LT.		56.5				CHAIN CL34LAKE					
			50+73.88 TO 51+09.81		LT.		38.5				CHAIN CL34LAKE					
			29+39.53 TO 29+48.90		LT.		17.2				CHAIN CLLAKE					
REVISIONS						EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES		SHEET NO.		
DATE	DESCRIPTION		DATE	DESCRIPTION	ROAD NO.									COUNTY	FINANCIAL PROJECT ID	SQ-24
					34TH ST									HILLSBOROUGH	437648-1-58-01	

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

SUMMARY OF PERFORMANCE TURF												
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS				
					0570	1 2						
					SY							
STA. TO STA.					P	F						
19+86.83 TO 19+99.16	LT	480148			2.2		CHAIN CL3421ST					
19+90.10 TO 21+47.84	RT	304311			165.6		CHAIN CL3421ST					
20+16.33 TO 20+35.54	LT	480155			6.1		CHAIN CL3421ST					
20+21.91 TO 22+61.36	LT/RT	363916			273.9		CHAIN CL3421ST					
20+47.48 TO 20+72.36	LT	304237			15.5		CHAIN CL3421ST					
20+84.36 TO 21+67.03	LT	304230			79.6		CHAIN CL3421ST					
21+47.84 TO 22+17.92	RT	363534			71.8		CHAIN CL3421ST					
21+69.49 TO 22+19.03	RT	363525			7.3		CHAIN CL3421ST					
21+79.03 TO 22+06.13	LT	304222			18.7		CHAIN CL3421ST					
22+26.13 TO 22+65.36	LT	304214			31.7		CHAIN CL3421ST					
22+26.13 TO 23+03.13	LT	480197			39.4		CHAIN CL3421ST					
22+43.03 TO 23+01.81	RT	480297			10.9		CHAIN CL3421ST					
22+44.14 TO 22+65.36	RT	363542			22.5		CHAIN CL3421ST					
22+71.36 TO 22+98.11	LT	304207			16.2		CHAIN CL3421ST					
22+71.36 TO 23+01.50	RT	363550			33.8		CHAIN CL3421ST					
23+82.02 TO 24+01.04	RT	480671			4.5		CHAIN CL3421ST					
23+83.85 TO 24+03.35	LT	480214			4.2		CHAIN CL3421ST					
23+89.89 TO 24+23.86	LT	363796			49.9		CHAIN CL3421ST					
23+96.87 TO 24+86.55	RT	363634			2.3		CHAIN CL3421ST					
23+97.28 TO 24+23.36	RT	363641			18.5		CHAIN CL3421ST					
24+28.86 TO 24+45.33	LT	363804			39.1		CHAIN CL3421ST					
24+29.36 TO 24+86.55	RT	363659			58.0		CHAIN CL3421ST					
24+33.36 TO 25+83.37	LT/RT	363926			172.6		CHAIN CL3421ST					
24+49.05 TO 24+54.33	LT	363781			5.8		CHAIN CL3421ST					
24+52.24 TO 25+56.24	LT	363770			25.1		CHAIN CL3421ST					
25+06.55 TO 25+63.33	RT	363678			51.1		CHAIN CL3421ST					
25+06.55 TO 25+63.33	RT	363671			2.1		CHAIN CL3421ST					
25+56.01 TO 25+97.81	LT	363757			13.5		CHAIN CL3421ST					
25+81.21 TO 25+95.34	LT	363735			16.7		CHAIN CL3421ST					
25+83.33 TO 26+10.87	RT	363706			1.2		CHAIN CL3421ST					
25+83.33 TO 26+14.98	RT	363689			25.0		CHAIN CL3421ST					
25+93.90 TO 26+01.55	LT	363728			10.0		CHAIN CL3421ST					
26+10.79 TO 26+13.61	RT	363698			4.0		CHAIN CL3421ST					
26+27.71 TO 26+47.83	LT	304604			5.5		CHAIN CL3421ST					
26+32.42 TO 26+46.17	LT	304618			4.2		CHAIN CL3421ST					
26+49.83 TO 26+61.80	RT	304426			3.6		CHAIN CL3421ST					
26+51.28 TO 26+70.24	RT	304417			19.2		CHAIN CL3421ST					
28+61.92 TO 28+76.82	RT	363862			3.2		CHAIN CL21ST					
28+66.93 TO 29+15.51	LT	363849			10.4		CHAIN CL21ST					
28+88.92 TO 29+54.46	RT	480206			82.2		CHAIN CL21ST					
29+11.58 TO 29+49.75	LT	480221			5.1		CHAIN CL21ST					
29+22.81 TO 29+29.81	LT	363825			2.1		CHAIN CL21ST					
30+44.91 TO 30+94.31	RT	480265			7.0		CHAIN CL21ST					
30+49.94 TO 30+98.40	LT	480236			7.8		CHAIN CL21ST					
30+57.93 TO 30+76.72	RT	480278			8.1		CHAIN CL21ST					
30+58.65 TO 30+76.48	LT	480258			10.6		CHAIN CL21ST					
30+81.45 TO 30+98.29	LT	480249			10.6		CHAIN CL21ST					
SUB-TOTAL :					1478.4							
TOTAL :					4232							
REVISIONS					EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		SUMMARY OF QUANTITIES		SHEET NO.
DATE	DESCRIPTION		DATE	DESCRIPTION								
												ROAD NO.
						34TH ST	HILLSBOROUGH	437648-1-58-01				

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

SUMMARY OF PERFORMANCE TURF												
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS				
STA. TO STA.					0570	1 2						
					SY							
					P	F						
30+81.71 TO 30+94.34	RT	480287			7.6		CHAIN CL21ST					
30+94.33 TO 31+07.90	RT	363600			3.0		CHAIN CL21ST					
31+10.40 TO 31+15.40	LT	480231			0.8		CHAIN CL21ST					
46+98.82 TO 48+59.47	RT	364283			208.3		CHAIN CL34LAKE					
47+50.64 TO 49+12.04	LT	480354			116.6		CHAIN CL34LAKE					
47+64.24 TO 49+63.56	RT	480372			21.5		CHAIN CL34LAKE					
47+70.63 TO 49+28.00	LT/RT	364368			135.2		CHAIN CL34LAKE					
48+53.20 TO 49+73.37	LT	480306			30.2		CHAIN CL34LAKE					
48+88.96 TO 49+07.04	RT	364296			34.0		CHAIN CL34LAKE					
49+12.04 TO 49+32.50	RT	364306			52.9		CHAIN CL34LAKE					
49+37.50 TO 49+73.15	RT	364314			62.0		CHAIN CL34LAKE					
50+54.44 TO 51+29.66	RT	480416			47.5		CHAIN CL34LAKE					
50+60.06 TO 50+90.50	LT	364526			32.6		CHAIN CL34LAKE					
50+61.56 TO 52+21.23	LT	364567			34.9		CHAIN CL34LAKE					
50+95.50 TO 51+05.50	LT	364501			15.4		CHAIN CL34LAKE					
51+00.00 TO 52+58.67	LT/RT	364378			200.4		CHAIN CL34LAKE					
51+10.50 TO 52+21.23	LT	364493			121.2		CHAIN CL34LAKE					
51+45.36 TO 52+64.81	RT	364397			110.7		CHAIN CL34LAKE					
52+45.43 TO 54+52.73	LT	364468			148.8		CHAIN CL34LAKE					
52+45.43 TO 54+52.73	LT	364457			42.8		CHAIN CL34LAKE					
52+58.32 TO 52+65.99	RT	364414			13.0		CHAIN CL34LAKE					
53+00.50 TO 53+70.16	RT	364425			61.5		CHAIN CL34LAKE					
53+82.16 TO 55+14.55	RT	364435			106.5		CHAIN CL34LAKE					
28+56.09 TO 29+59.83	LT	364544			24.1		CHAIN CLLAKE					
28+64.22 TO 29+56.99	RT	364581			15.2		CHAIN CLLAKE					
29+02.59 TO 29+20.50	RT	364591			6.2		CHAIN CLLAKE					
29+26.75 TO 29+32.82	RT	364610			1.5		CHAIN CLLAKE					
30+46.94 TO 31+30.53	LT	480393			22.3		CHAIN CLLAKE					
30+51.56 TO 31+17.96	RT	480380			12.8		CHAIN CLLAKE					
30+64.92 TO 30+78.53	RT	364361			5.0		CHAIN CLLAKE					
30+83.53 TO 31+15.98	RT	364349			13.9		CHAIN CLLAKE					
31+57.96 TO 31+68.05	RT	480411			1.5		CHAIN CLLAKE					
31+60.44 TO 31+67.99	RT	364345			1.3		CHAIN CLLAKE					
31+64.45 TO 31+79.77	LT	480405			2.9		CHAIN CLLAKE					
87+81.85 TO 88+32.27	RT	364638			22.7		CHAIN CL34OSBO					
87+85.26 TO 88+32.28	RT	364669			25.6		CHAIN CL34OSBO					
87+89.14 TO 89+73.24	LT	480477			77.4		CHAIN CL34OSBO					
87+92.38 TO 89+35.47	LT	480533			77.0		CHAIN CL34OSBO					
88+44.27 TO 88+79.87	RT	364647			14.7		CHAIN CL34OSBO					
88+44.28 TO 88+79.88	RT	364677			7.9		CHAIN CL34OSBO					
88+91.87 TO 89+35.47	RT	364653			16.4		CHAIN CL34OSBO					
88+91.88 TO 89+63.24	RT	480553			71.7		CHAIN CL34OSBO					
89+01.53 TO 89+32.47	LT/RT	364737			16.9		CHAIN CL34OSBO					
89+40.47 TO 89+67.97	RT	364660			9.3		CHAIN CL34OSBO					
89+40.47 TO 89+80.89	LT	480517			24.6		CHAIN CL34OSBO					
90+39.34 TO 90+53.58	LT	364901			7.2		CHAIN CL34OSBO					
90+42.00 TO 90+65.79	RT	364808			10.8		CHAIN CL34OSBO					
90+47.15 TO 91+20.66	LT	480622			12.9		CHAIN CL34OSBO					
SUB-TOTAL :					2109.2							
REVISIONS					EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921			CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER		SUMMARY OF QUANTITIES	SHEET NO.	
DATE	DESCRIPTION		DATE	DESCRIPTION				ROAD NO.	COUNTY			FINANCIAL PROJECT ID
								34TH ST	HILLSBOROUGH		437648-1-58-01	SQ-26

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

SUMMARY OF PERFORMANCE TURF									
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS	
					0570	1 2			
					SY				
STA. TO STA.					P	F			
90+49.13 TO 91+12.84	RT	480597			4.2		CHAIN CL340SBO		
90+81.47 TO 91+12.40	LT/RT	364746			16.9		CHAIN CL340SBO		
91+48.17 TO 91+86.02	RT	480607			17.6		CHAIN CL340SBO		
91+59.64 TO 91+85.36	LT	364878			6.9		CHAIN CL340SBO		
91+60.66 TO 91+66.51	LT	480617			0.7		CHAIN CL340SBO		
91+81.75 TO 91+95.81	RT	364849			3.9		CHAIN CL340SBO		
27+17.73 TO 27+52.09	LT	364966			8.3		CHAIN CLOSBO		
27+28.16 TO 29+25.50	LT/RT	364985			98.3		CHAIN CLOSBO		
27+34.10 TO 27+47.90	LT	480666			1.3		CHAIN CLOSBO		
27+63.98 TO 28+03.05	LT	480658			7.4		CHAIN CLOSBO		
27+65.98 TO 28+01.05	LT	364954			14.2		CHAIN CLOSBO		
28+13.72 TO 28+47.48	LT	480652			15.0		CHAIN CLOSBO		
28+15.72 TO 28+93.81	LT	364936			38.1		CHAIN CLOSBO		
28+69.48 TO 28+95.81	LT	480646			12.0		CHAIN CLOSBO		
28+90.25 TO 28+96.18	RT	480503			0.5		CHAIN CLOSBO		
28+95.81 TO 29+59.65	LT	480634			24.9		CHAIN CLOSBO		
29+15.76 TO 29+27.05	RT	365011			2.6		CHAIN CLOSBO		
29+15.81 TO 29+28.50	LT	364928			4.3		CHAIN CLOSBO		
29+23.35 TO 29+54.30	RT	480508			47.0		CHAIN CLOSBO		
29+33.50 TO 29+61.69	RT	480524			14.3		CHAIN CLOSBO		
29+33.50 TO 29+66.08	LT	364906			14.2		CHAIN CLOSBO		
30+25.18 TO 30+65.33	RT	364718			13.4		CHAIN CLOSBO		
30+31.03 TO 30+73.08	RT	480578			70.2		CHAIN CLOSBO		
30+31.72 TO 30+66.50	LT	364798			33.2		CHAIN CLOSBO		
30+41.28 TO 31+35.96	LT	480588			6.3		CHAIN CLOSBO		
30+71.50 TO 31+34.09	LT	364790			47.2		CHAIN CLOSBO		
30+72.83 TO 30+99.20	RT	364724			8.1		CHAIN CLOSBO		
30+74.50 TO 31+93.30	LT/RT	364765			98.6		CHAIN CLOSBO		
30+99.19 TO 31+33.53	RT	364758			7.6		CHAIN CLOSBO		
31+65.96 TO 31+78.16	LT	364784			0.4		CHAIN CLOSBO		
31+68.41 TO 31+91.80	LT	364777			6.9		CHAIN CLOSBO		
SUB - TOTAL :					644.5				

REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES	SHEET NO.		
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY	FINANCIAL PROJECT ID	SQ-27
							34TH ST		HILLSBOROUGH	437648-1-58-01	

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

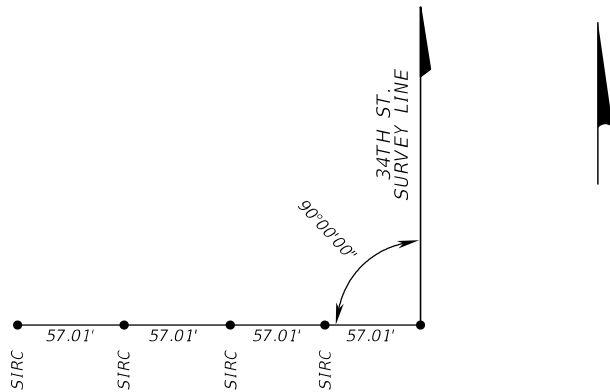
TABULATION OF QUANTITIES - UTILITIES

[illegible]

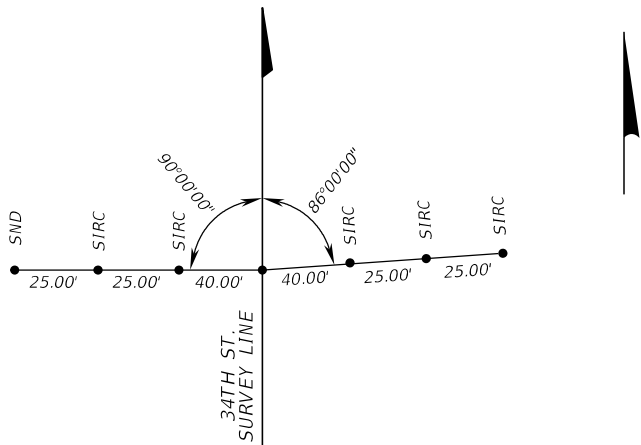
REVISIONS				EOR: DEREK M. GIL, P.E. P.E. LICENSE NUMBER 54798 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION: 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-28
				34TH ST	HILLSBOROUGH	437648-1-58-01			

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

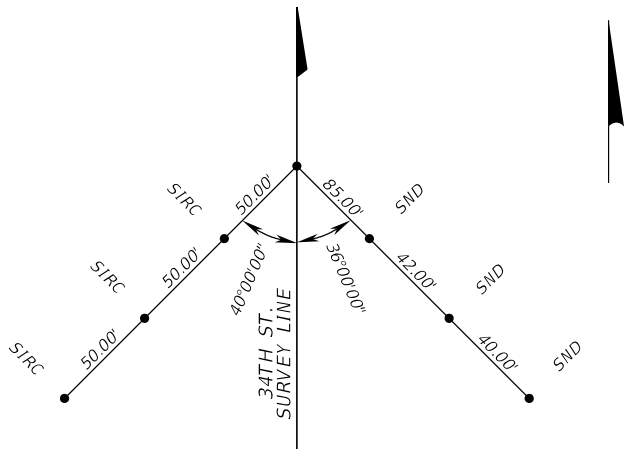
PROJECT CONTROL POINTS
SURVEY LINE 34TH STREET
SECTIONS 5, 8 & 17 TOWNSHIP 29 SOUTH, RANGE 19 EAST
HILLSBOROUGH COUNTY, FLORIDA



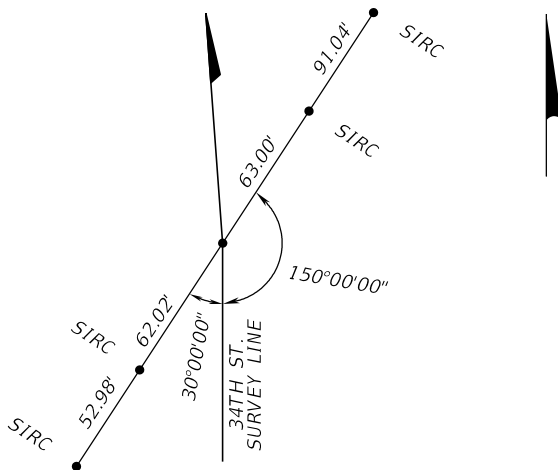
B.O.S./P.O.T. STA 9+00.00
SET NAIL AND DISK "ELEMENT LB 7831"



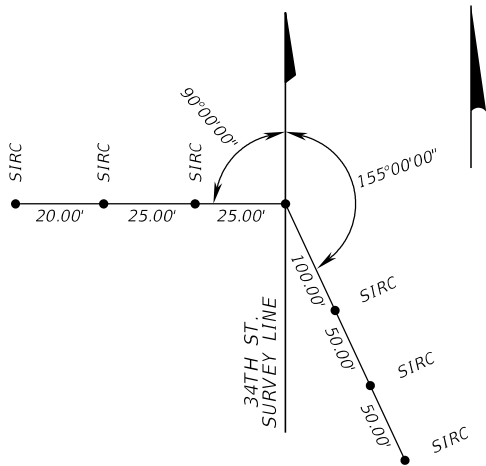
P.O.T. STA 15+00.00
SET NAIL AND DISK "ELEMENT LB 7831"



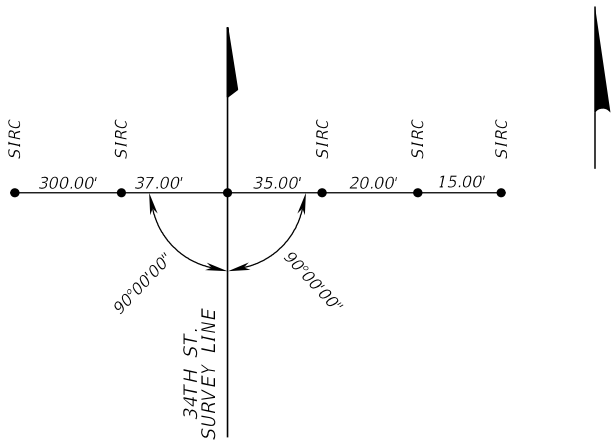
P.O.T. STA 28+00.00
SET NAIL AND DISK "ELEMENT LB 7831"



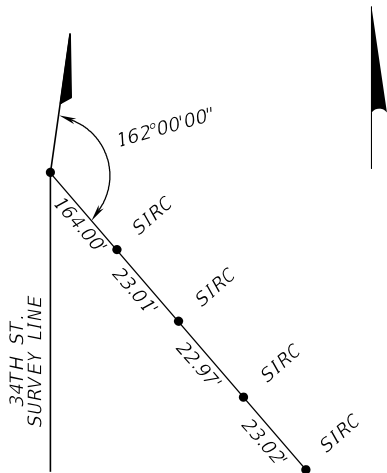
P.I. STA 36+72.16
SET NAIL AND DISK "ELEMENT LB 7831"



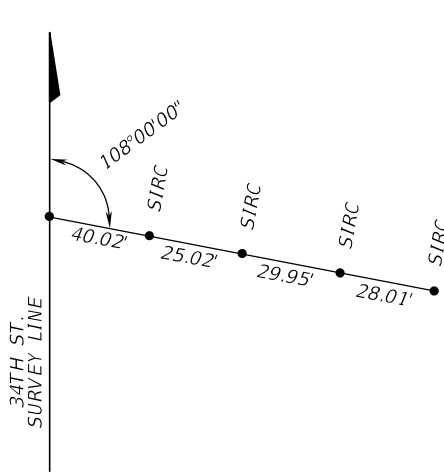
P.O.T. STA 44+00.00
SET NAIL AND DISK "ELEMENT LB 7831"



P.O.T. STA 57+00.00
SET NAIL AND DISK "ELEMENT LB 7831"



P.I. STA 63+48.99
FOUND NAIL AND DISK "FDOT POT"



P.O.T. STA 75+00.00
SET NAIL AND DISK "ELEMENT LB 7831"

LEGEND

AVE. = AVENUE
B.O.S. = BEGIN SURVEY
C.O.T. = CITY OF TAMPA
E.O.S. = END SURVEY
LT = LEFT
LB = LICENSED BUSINESS
NO. = NUMBER
P.I. = POINT OF INTERSECTION
P.O.T. = POINT ON TANGENT
RT = RIGHT
SIRC = SET 5/8" IRON ROD CAPPED "REF. PT. LB 7831"
SND = SET NAIL AND DISK "REF. PT. LB 7831"
S.R. = STATE ROAD
STA = STATION
ST. = STREET

NOTE: ITEMS IN QUOTATION " " ARE STAMPED ON CAP OR DISK

VERTICAL CONTROL

BENCHMARK	B STATION	OFFSET	DESCRIPTION	ELEVATION
TBM12	8+47.2	51.3' LT	"BOX" CUT IN CONCRETE SIDEWALK	27.39
TBM1	16+63.1	34.2 RT	"BOX" CUT IN CONCRETE SIDEWALK	42.62
TBM2	26+48.9	74.4 RT	"BOX" CUT IN CONCRETE SIDEWALK	50.45
TBM7	36+95.7	31.4 RT	"BOX" CUT IN CONCRETE SIDEWALK	49.80
TBM3	44+93.4	54.6 LT	"BOX" CUT IN CONCRETE SIDEWALK	50.50
TBM4	55+61.1	38.3 RT	"BOX" CUT IN CONCRETE SIDEWALK	51.57
TBM8	64+08.4	44.1 LT	"BOX" CUT IN CONCRETE SIDEWALK	55.00

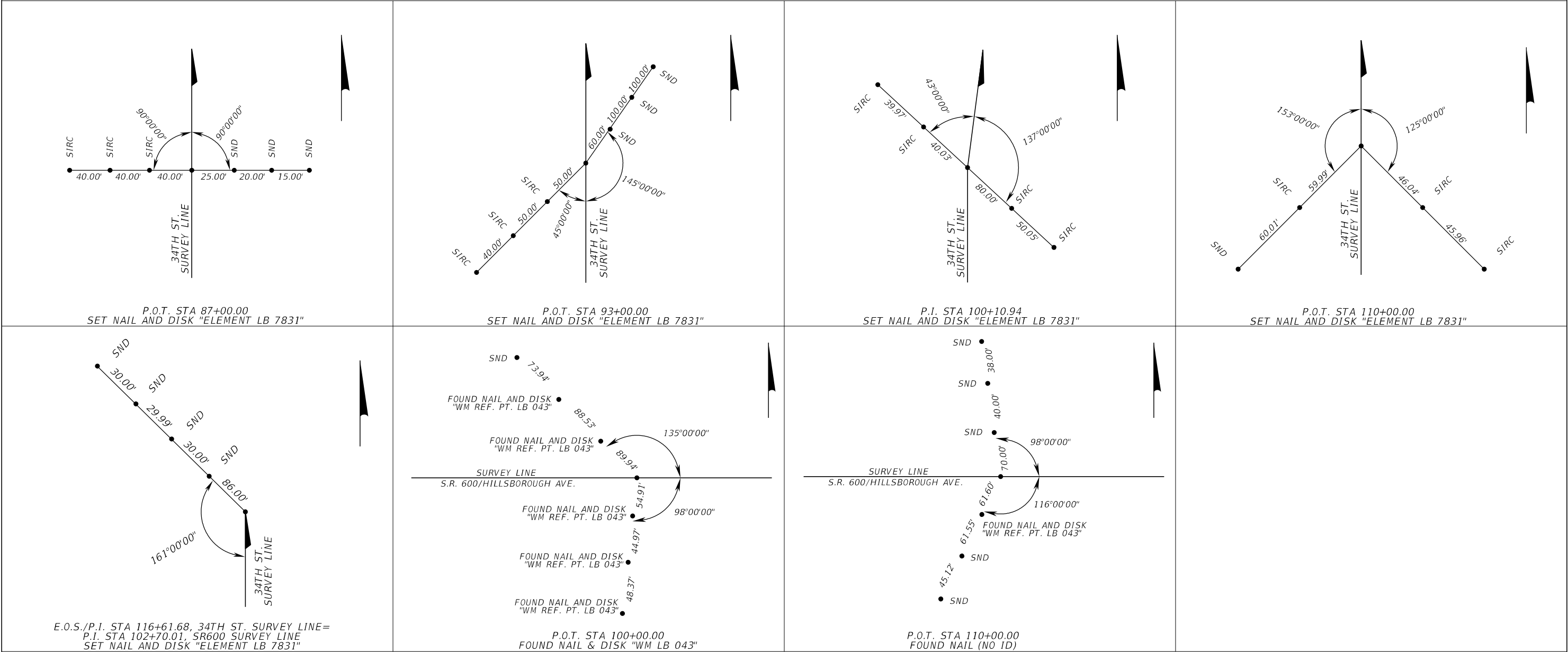
PROJECT CONTROL NOTES

- PROJECT IS BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, OF THE NORTH AMERICAN DATUM OF 1983, 1990 ADJUSTMENT (NAD 1983/1990).
- ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- PROJECT UNITS: US SURVEY FEET
- THIS SHEET NOT COMPLETE WITHOUT SHEETS CTL-1 THROUGH CTL-2.

REVISIONS				SOR: PETER J. MATTSON P.S.M. LICENSE NUMBER 6290 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			PROJECT CONTROL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		CTL-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 5J-17.062, F.A.C.

PROJECT CONTROL POINTS
SURVEY LINE 34TH STREET
SECTIONS 5, 8 & 17 TOWNSHIP 29 SOUTH, RANGE 19 EAST
HILLSBOROUGH COUNTY, FLORIDA



LEGEND

AVE. = AVENUE
B.O.S. = BEGIN SURVEY
C.O.T. = CITY OF TAMPA
E.O.S. = END SURVEY
LT = LEFT
LB = LICENSED BUSINESS
NO. = NUMBER
P.I. = POINT OF INTERSECTION
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SIRC = SET 5/8" IRON ROD CAPPED "REF. PT. LB 7831"
SND = SET NAIL AND DISK "REF. PT. LB 7831"
S.R. = STATE ROAD
STA = STATION
ST. = STREET

VERTICAL CONTROL

BENCHMARK	B STATION	OFFSET	DESCRIPTION	ELEVATION
TBM9	73+28.4	40.5 RT	"BOX" CUT IN CONCRETE SIDEWALK	54.71
TBM5	85+34.7	22.9 LT	"BOX" CUT IN CONCRETE SIDEWALK	55.48
TBM6	93+33.8	31.0 LT	"BOX" CUT IN CONCRETE SIDEWALK	57.03
TBM10	103+52.9	22.1' LT	"BOX" CUT IN CONCRETE SIDEWALK	58.86
TBM11	113+54.1	17.9' LT	"BOX" CUT IN CONCRETE SIDEWALK	55.48
BMV08	116+11.5	32.0' RT	ALUMINUM C.O.T. DISK IN SIDEWALK "V-08 4754"	55.88

PROJECT CONTROL NOTES

- PROJECT IS BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, OF THE NORTH AMERICAN DATUM OF 1983, 1990 ADJUSTMENT (NAD 1983/1990).
- ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- PROJECT UNITS: US SURVEY FEET
- THIS SHEET NOT COMPLETE WITHOUT SHEETS CTL-1 THROUGH CTL-2.

NOTE: ITEMS IN QUOTATION " " ARE STAMPED ON CAP OR DISK

REVISIONS				SOR: PETER J. MATTSON P.S.M. LICENSE NUMBER 6290 ELEMENT ENGINEERING GROUP 1713 E. 9th AVENUE TAMPA, FL 33605 CERTIFICATE OF AUTHORIZATION 26921	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			PROJECT CONTROL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		CTL-2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 5J-17.062, F.A.C.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
MATERIAL AND RESEARCH

DATE OF SURVEY: JANUARY 2016
SURVEY MADE BY: PSI
SUBMITTED BY: PAUL D. PASSE, P.E.

FINANCIAL PROJECT ID: 437648-1-58-01
PROJECT NAME: 34TH STREET FROM COLUMBUS DRIVE TO HILLSBOROUGH AVENUE
CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

DISTRICT: VII
ROAD No.: 34TH ST
COUNTY: HILLSBOROUGH

SURVEY BEGINS STA.:
REFERENCE: BASELINE SURVEY
SURVEY ENDS STA.:

STRATUM NO.	LBR VALUE (%)	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS % PASS						ATTERBERG LIMITS (%)				DESCRIPTION	CORROSION TEST RESULTS				
		No. OF TESTS	% ORGANIC	No. OF TESTS	MOISTURE CONTENT	No. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	No. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP		No. OF TESTS	RESISTIVITY OHM-CM	CHLORIDES PPM	SULFATE PPM	pH
1	40-63	--	-----	--	-----	1	100	97	77	36	6	--	-----	-----	A-3	BROWN/LIGHT BROWN/GRAY FINE SAND TO SLIGHTLY SILTY FINE SAND	--	-----	-----	-----	-----
2	-----	--	-----	--	-----	1	100	96	86	57	18	--	-----	-----	A-2-4	BROWN SILTY FINE SAND	--	-----	-----	-----	-----

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION ONLY.

- ⚡ GROUNDWATER TABLE ENCOUNTERED
GNE GROUNDWATER TABLE NOT ENCOUNTERED
A INDICATES WITH CLAY LENSES

NOTES:

1. THE MATERIAL FROM STRATUM NUMBER 1 (A-3) APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH INDEX 120-001.
2. THE MATERIAL FROM STRATUM NUMBER 2 (A-2-4) APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH INDEX 505. HOWEVER, THIS MATERIAL IS LIKELY TO RETAIN EXCESS MOISTURE AND BE DIFFICULT TO DRY AND COMPACT. IT SHOULD BE USED IN THE EMBANKMENT ABOVE THE WATER LEVEL EXISTING AT THE TIME OF CONSTRUCTION.

REVISIONS				PROFESSIONAL SERVICE INDUSTRIES, INC. 5801 BENJAMIN CENTER DR., SUITE 112 TAMPA, FL 33634 TEL. (813) 886-1075 Cert. of Authorization No. 3684 ENGINEER OF RECORD: Paul D. Passe, P.E. No.: 34750	CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER			ROADWAY SOILS SURVEY	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					34TH ST	HILLSBOROUGH	437648-1-58-01		GR-1