

CONTRACT PLANS COMPONENTS

ROADWAY PLANS

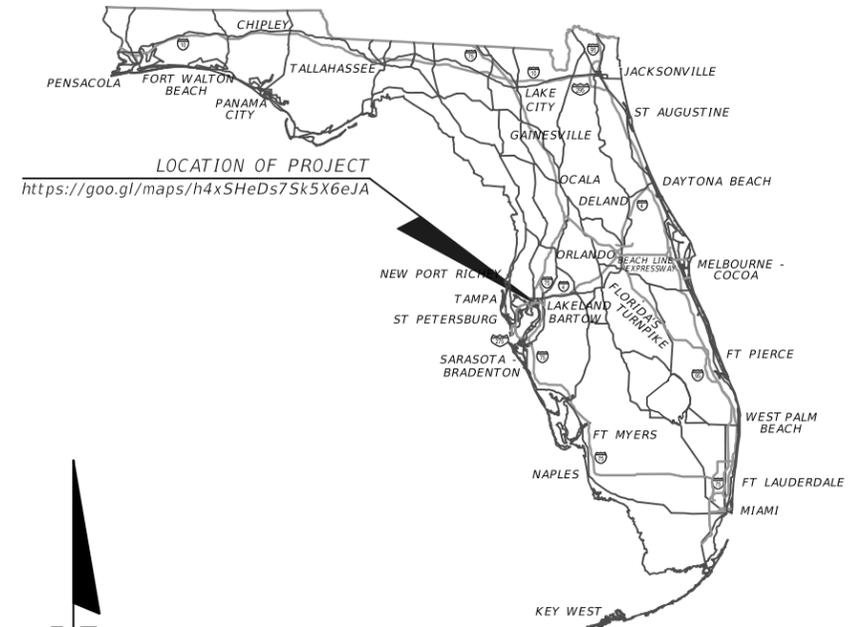
**TAMPA HILLSBOROUGH
EXPRESSWAY AUTHORITY**

CONTRACT PLANS

PROJECT ID: O-00419

HILLSBOROUGH COUNTY (10002)

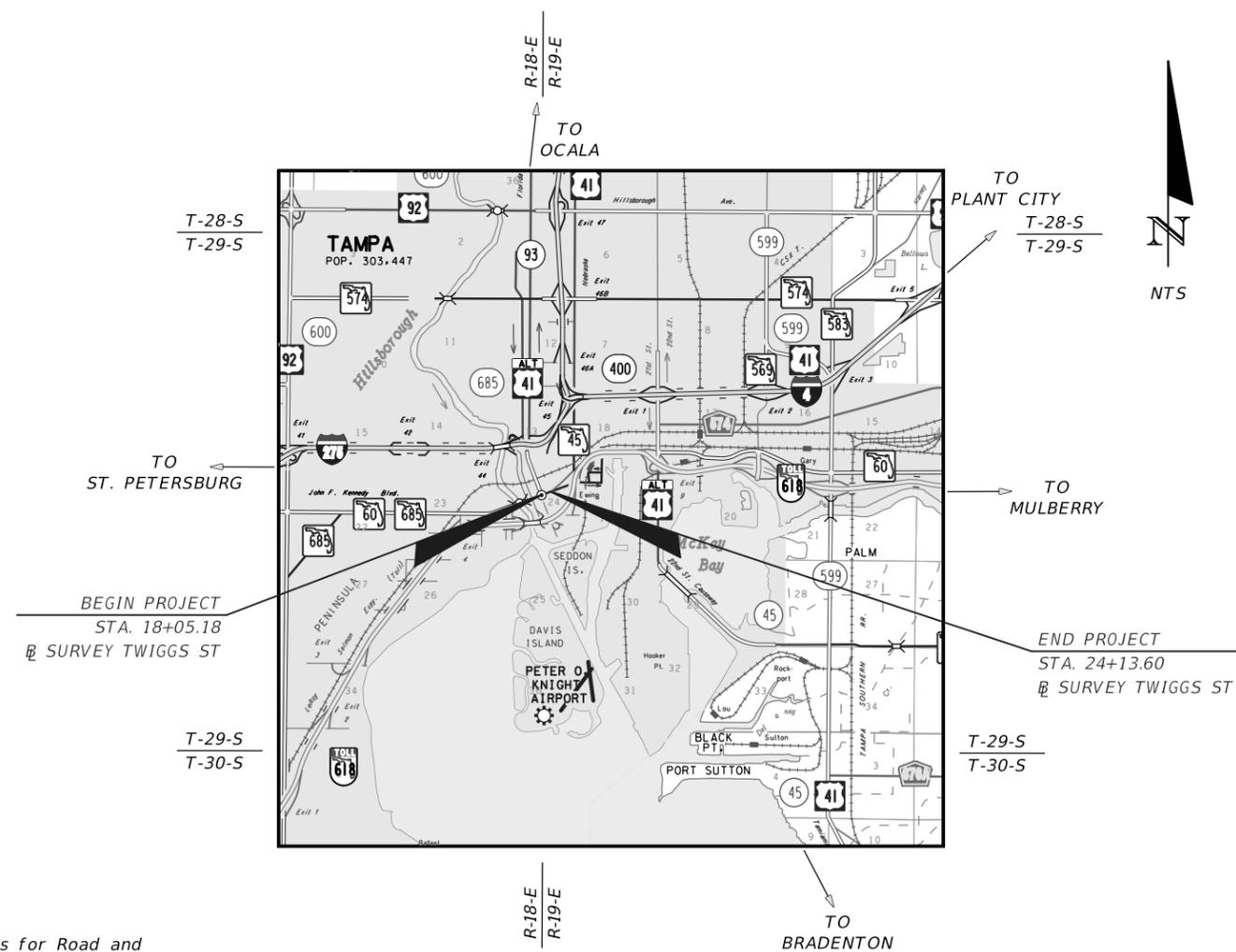
E. TWIGGS STREET UTILITY ADJUSTMENTS



INDEX OF ROADWAY PLANS

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* PLAN SHEETS PROVIDED FOR INFORMATION ONLY



GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2018/19 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>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2018 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

**ROADWAY PLANS
ENGINEER OF RECORD:**

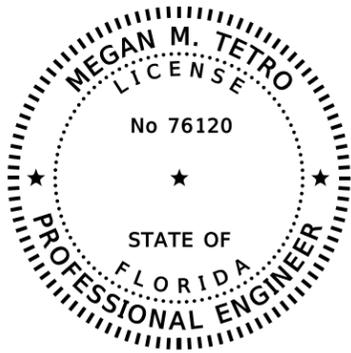
MEGAN M. TETRO, P.E. NO.: 76120
WANTMAN GROUP, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.,
SUITE 375, TAMPA, FL 33607
(813) 574-3190
CERTIFICATE OF AUTHORIZATION NO.: 6091

THEA PROJECT MANAGER:

DAVID MAY, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
		1

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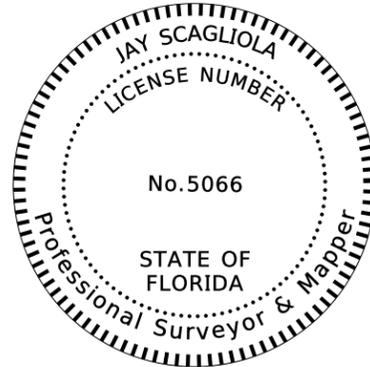
ON THE DATE ADJACENT TO THE SEAL

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WANTMAN GROUP, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375, TAMPA, FL 33607
CERTIFICATE OF AUTHORIZATION NO. 6091
MEGAN M. TETRO, PE NO. 76120

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

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	GENERAL NOTES
4 - 7	UTILITY ADJUSTMENT



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SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

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WANTMAN GROUP, INC.
2035 VISTA PARKWAY
WEST PALM BEACH, FL 33411
CERTIFICATE OF AUTHORIZATION NO. 7055
JAY SCAGLIOLA, PSM NO. 5066

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

SHEET NO.	SHEET DESCRIPTION
UTV-1 - UTV-2	VERIFIED UTILITY LOCATE SHEET

REVISIONS				MEGAN M. TETRO, P.E. FLORIDA PE NO. 76120 WANTMAN GROUP, INC. 3111 W. MARTIN LUTHER KING JR. BLVD., SUITE 375, TAMPA, FL 33607 CERTIFICATE OF AUTHORIZATION NO. 6091	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY	CONTRACT NO.	
					TWIGGS	HILLSBOROUGH	000419	2

SIGNATURE SHEET

GENERAL NOTES:

1. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED IN THE PLANS.
2. THE LOCATIONS OF 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. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
3. UTILITY AGENCY/OWNERS:

<u>COMPANY</u>	<u>CONTACT</u>	<u>TELEPHONE</u>
BRIGHT HOUSE	MARK GIURBINO	813-436-2118
CENTURYLINK ENTERPRISE	LAMAR ISBELL	813-787-3913
CITY OF TAMPA TRANSPORTATION	BRIAN PASZKO	813-274-8105
CITY OF TAMPA WASTEWATER	JACK FERRAS	813-274-8095
CITY OF TAMPA WATER	KIMANI THOMAS	813-274-7391
CROWN CASTLE	DANNY HASKETT	786-610-7073
FIBERLIGHT	TIM GREEN	813-877-7183
FRONTIER	RANDALL JAMES	813-892-9692
HILLSBOROUGH COUNTY SHERIFFS OFFICE	ANTHONY C. GAY	813-290-2273
MCI/VERIZON BUSINESS/XO COMM.	SHAWN KAHLER	813-978-6542
SPRINT	JON BAKER	352-409-5095
TAMPA ELECTRIC	HEATHER LOVETT	813-275-3433
TECO PEOPLES GAS	TODD WEIDLEY	813-917-5635

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REVISIONS				MEGAN M. TETRO, P.E. FLORIDA PE NO. 76120 WANTMAN GROUP, INC. 3111 W. MARTIN LUTHER KING JR. BLVD., SUITE 375, TAMPA, FL 33607 CERTIFICATE OF AUTHORIZATION NO. 6091	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY	CONTRACT NO.		3
					TWIGGS	HILLSBOROUGH	000419		

VERIFIED UTILITY LOCATE SHEET

Vvh #	UTILITY DESCRIPTION (Owner, type)	SIZE	MATERIALS	B/L and/or C/L			EXISTING GROUND ELEVATION	TOP ELEVATION	COMMENTS
				STATION	OFFSET	LT/RT			
TH-ML01	FRONTIER COMMUNICATIONS, BURIED TELEPHONE	5x4"	PVC	20+34.1	27.9	LT	19.1	16.9	
TH-ML02	FRONTIER COMMUNICATIONS, BURIED TELEPHONE	12" DUCT	CLAY	20+42.2	25.0	LT	19.0	16.4	
TH-ML03	CENTURY LINK (LEVEL 3), BURIED FIBER OPTIC CABLE	UNK.	PE	20+42.3	22.8	LT	18.4	11.4	
TH-ML04	BRIGHTHOUSE, BURIED CABLE TELEVISION	2x2"	PVC	22+98.9	27.8	LT	18.6	17.2	
TH-ML05	FRONTIER COMMUNICATIONS, BURIED FIBER OPTIC TELEPHONE	6x4"	PVC	22+95.4	28.5	LT	18.6	16.0	
TH-ML06	CENTURY LINK (LEVEL 3), BURIED FIBER OPTIC CABLE	UNK.	PE	22+91.1	20.3	LT	17.7	11.3	
TH-ML07	FRONTIER COMMUNICATIONS, BURIED FIBER OPTIC TELEPHONE	6"x4"	PVC	19+11.6	29.5	LT	18.9	16.1	
TH-ML08	BRIGHTHOUSE, BURIED CABLE TELEVISION	6"	PVC	19+11.2	40.2	LT	19.4	17.3	
TH-ML09	FIBERLIGHT, BURIED FIBER OPTIC CABLE	3x1.5"	PE/DBC	19+10.7	40.2	LT	19.3	11.5	
TH-ML10	NO UTILITY FOUND, EXPLORATORY	N/A	N/A	19+10.8	37.1	LT	19.2	N/A	
TH-ML11	CITY OF TAMPA TRAFFIC, BURIED FIBER OPTIC CABLE	4"	PE	19+11.2	45.4	LT	19.5	12.2	
TH-ML12 NOT USED									
TH-ML13	FIBERNET DIRECT (CROWN CASTLE), BURIED FIBER OPTIC CABLE	UNK.	UNK.	19+18.5	27.9	RT	18.8	10.2	
TH-ML14 TO TH-ML19 NOT USED									
TH-ML20	FRONTIER COMMUNICATIONS, BURIED TELEPHONE	3x4"	PVC	22+51.1	27.7	LT	18.6	15.2	
TH-ML21	BRIGHTHOUSE, BURIED CABLE TELEVISION	2x2"	PVC	22+45.3	23.7	LT	18.4	13.6	
TH-ML22	CENTURY LINK (LEVEL 3), BURIED FIBER OPTIC CABLE	UNK.	PE	23+29.7	20.7	LT	18.3	11.4	COULD NOT SEE SIZE DUE TO A WATER TABLE
TH-ML23	BRIGHTHOUSE, BURIED CABLE TELEVISION	2x2"	PVC	23+37.0	27.7	LT	18.8	16.3	
TH-ML24	FRONTIER COMMUNICATIONS, BURIED TELEPHONE	8" DUCT	CLAY	19+82.5	24.3	LT	19.0	16.6	NORTH EDGE
TH-ML25	FRONTIER COMMUNICATIONS, BURIED FIBER OPTIC TELEPHONE	6x4"	PVC	19+29.8	29.0	LT	19.2	16.5	NORTH EDGE, TOTAL WIDTH ±16"
TH-ML26	BRIGHTHOUSE, BURIED CABLE TELEVISION	3x2"	PVC	19+82.6	28.4	LT	19.3	16.6	
TH-ML27	FRONTIER COMMUNICATIONS, BURIED TELEPHONE	8" DUCT	CLAY	19+11.8	24.3	LT	18.6	16.5	NORTH EDGE
TH-ML28	CENTURY LINK (LEVEL 3), BURIED FIBER OPTIC CABLE	UNK.	UNK.	19+45.6	36.2	LT	19.8	11.3	COULD NOT SEE SIZE AND MATERIAL DUE TO A WATER TABLE
TH-ML29	FIBERLIGHT, BURIED FIBER OPTIC CABLE	3x1.25"	PE	19+57.0	35.3	LT	19.5	16.0	
TH-ML30	CITY OF TAMPA TRAFFIC, BURIED FIBER OPTIC CABLE	2x4"	PVC	19+57.2	36.7	LT	19.7	17.5	
TH-ML31	CITY OF TAMPA TRAFFIC, BURIED FIBER OPTIC CABLE	4"	PVC	19+59.7	43.7	LT	20.4	12.6	
TH-ML32	FIBERLIGHT, BURIED FIBER OPTIC CABLE	3x1.25"	PE	20+56.7	42.9	LT	19.8	13.5	
TH-ML33	CITY OF TAMPA TRAFFIC, BURIED FIBER OPTIC CABLE	4"	PVC	20+57.3	45.2	LT	19.9	6.9	
TH-ML34	CITY OF TAMPA WATER, WATER MAIN	24"	CI	21+16.5	22.3	LT	18.5	12.6	POSSIBLE FIBER OPTIC LINE BELOW
TH-ML35	FRONTIER COMMUNICATIONS, BURIED FIBER OPTIC TELEPHONE	8x4"	PVC	21+79.1	25.6	LT	18.9	16.2	NORTH EDGE, TOTAL WIDTH ±2.5'

PROJECT LIMITS: E. TWIGGS ST. FROM N. NEBRASKA AVE. TO N. MERIDIAN AVE.

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THIS SPECIFIC PURPOSE SURVEY WAS MADE FOR THE PURPOSE OF SURVEYING, REFERENCING, DESCRIBING AND MAPPING THE VACUUM EXCAVATION. TEST HOLES, AS MARKED ON THE SURFACE AND SURVEYED BY WGI INC. AND THAT MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES. THIS MAP CONSISTING OF SHEET UTV-1 AND UTV-2 IS A TRUE, ACCURATE AND COMPLETED DEPICTION OF THE RESULTS OF A FIELD SURVEY PERFORMED UNDER MY DIRECTION AND COMPLETED ON FEBRUARY 28, 2020.

SUBSURFACE UTILITY ENGINEERING NOTES:

- OWNERSHIP IS BASED UPON OBSERVING VISIBLE ABOVE GROUND UTILITY FEATURES, SUNSHINE 811 DIG TICKET AND PROFESSIONAL JUDGEMENT. NO RECORDS RESEARCH WAS PERFORMED BY WGI, INC.

SURVEYOR'S NOTES:

- SURVEY WAS PERFORMED BY WGI, INC.
- VERTICAL INFORMATION IS RELATIVE TO NORTH AMERICAN VERTICAL DATUM (NAVD) 88.
- BEARINGS AND COORDINATES ARE RELATIVE TO THE STATE PLANE COORDINATES FLORIDA WEST ZONE, NORTH AMERICAN DATUM (NAD) 1983, ADJUSTMENT 1990.
- STATION AND OFFSET FROM BASELINE SURVEY OF TWIGGS AVENUE AS PROVIDED BY FDOT PROJECT NETWORK CONTROL (PNC) FINANCIAL PROJECT ID N/A.
- PROJECT UNITS: U.S. SURVEY FEET.
- THE SPECIFIC PURPOSE OF SURVEY IS TO DETERMINE THE HORIZONTAL AND VERTICAL LOCATION OF VACUUM TEST HOLES AS MARKED ON THE SURFACE BY THE SUBSURFACE UTILITY ENGINEERING DEPARTMENT OF WGI, INC.

REVISIONS				JAY SCAGLIOLA, PSM SURVEYOR LICENSE NUMBER 5066 WGI INC. 2035 VISTA PARKWAY, SUITE 100 WEST PALM BEACH, FL 33411 CERTIFICATE OF AUTHORIZATION No. 7055	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			VERIFIED UTILITY LOCATE SHEET (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					TWIGGS	HILLSBOROUGH	O-00419		

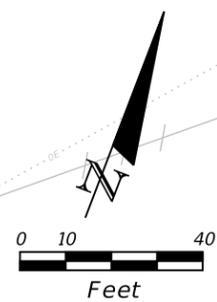
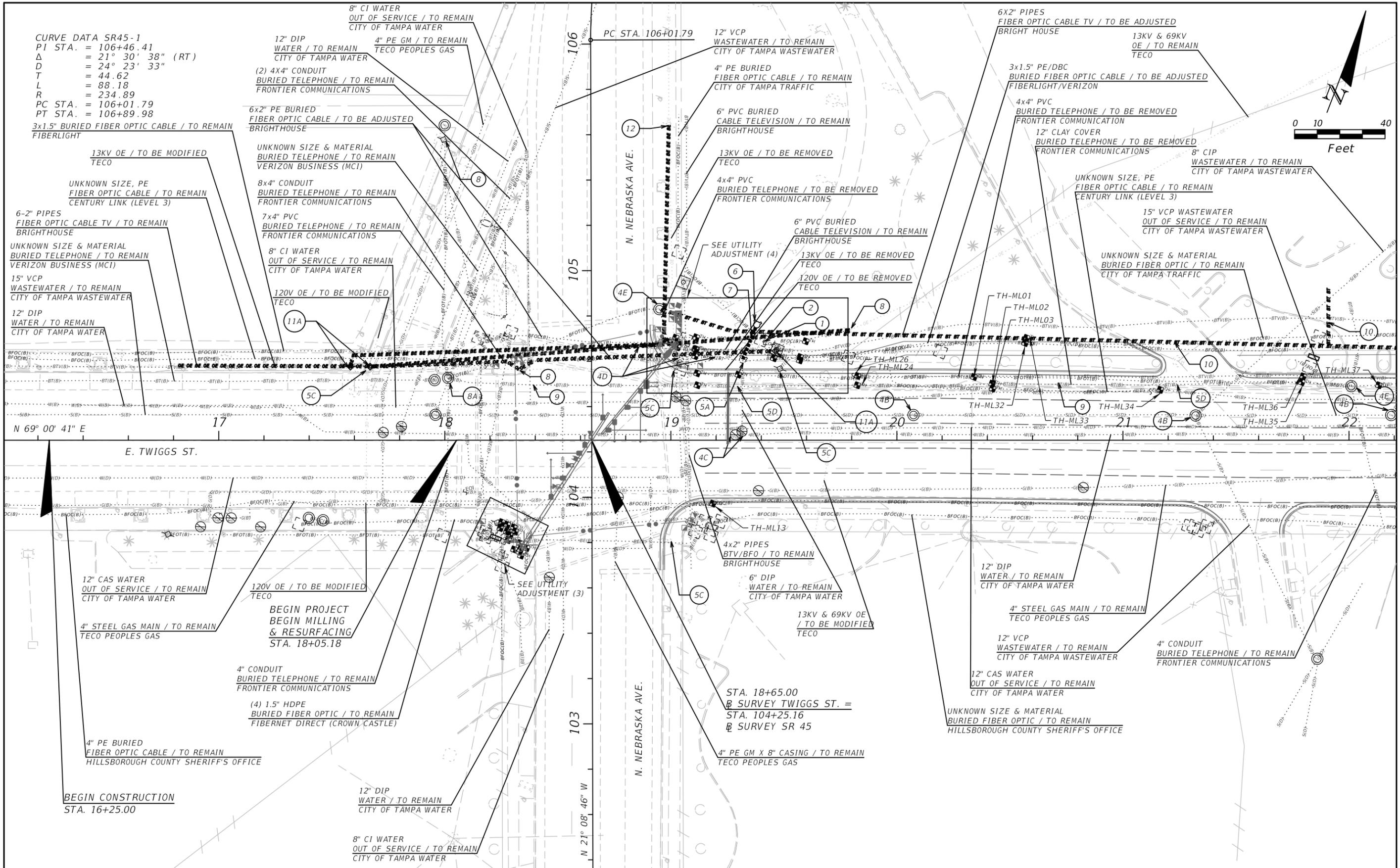
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VERIFIED UTILITY LOCATE SHEET

Vvh #	UTILITY DESCRIPTION (Owner, type)	SIZE	MATERIALS	B/L and/or C/L			EXISTING GROUND ELEVATION	TOP ELEVATION	COMMENTS
				STATION	OFFSET	LT/RT			
TH-ML36	BRIGHTHOUSE, BURIED CABLE TELEVISION	3x2"	PVC	21+79.7	28.2	LT	18.8	16.2	
TH-ML37	FRONTIER COMMUNICATIONS, BURIED TELEPHONE	6x4"	PVC	22+13.2	24.3	LT	18.5	16.5	SOUTH EDGE, TOTAL WIDTH ±1.5'
TH-ML38	BRIGHTHOUSE, BURIED CABLE TELEVISION	3x2"	PVC	22+82.4	26.6	LT	18.7	16.0	
TH-ML39	CITY OF TAMPA WATER, WATER MAIN	N/A	N/A	19+03.0	41.0	LT	19.3	18.1	CAP END (THRUST BLOCK CONCRETE)
TH-ML40	CITY OF TAMPA TRAFFIC, BURIED FIBER OPTIC CABLE	4"	PVC	19+02.1	45.3	LT	19.4	11.9	
TH-ML41	FRONTIER COMMUNICATIONS, BURIED FIBER OPTIC TELEPHONE	5x4"	PVC	18+98.8	43.5	LT	18.9	15.5	EAST EDGE, TOTAL WIDTH ±16"
TH-ML42	CITY OF TAMPA, STORM DRAINAGE	15"	RCP	18+30.5	38.4	RT	19.1	16.3	
TH-ML43	CITY OF TAMPA, BURIED ELECTRIC (TC)	3x2"	PVC	18+28.9	41.8	RT	19.1	17.2	
TH-ML44	CITY OF TAMPA, STORM DRAINAGE	18"	RCP	18+27.9	44.1	RT	19.0	16.8	POSSIBLE FILLED WITH CONCRETE, OUT OF SERVICE
TH-ML45	CITY OF TAMPA, STORM DRAINAGE	18"	RCP	18+31.2	40.2	RT	19.1	16.8	POSSIBLE FILLED WITH CONCRETE, OUT OF SERVICE
TH-ML46	NO UTILITY FOUND, EXPLORATORY	N/A	N/A	18+27.7	37.2	RT	19.2	N/A	
TH-ER47	FIBERNET DIRECT (CROWN CASTLE), BURIED FIBER OPTIC CABLE	10"	PVC	18+25.2	36.1	RT	19.2	9.2	X-CUT SET OVER THE SOUTH EDGE OF UTILITY
TH-ER48	CITY OF TAMPA, BURIED ELECTRIC (TC)	2"	PVC	18+24.5	38.7	RT	19.1	17.7	
TH-ER49	CITY OF TAMPA, STORM DRAINAGE	15"	RCP	18+27.5	40.3	RT	19.3	16.5	X-CUT SET OVER THE NORTHWEST EDGE OF UTILITY
TH-ER50	NO UTILITY FOUND, EXPLORATORY	N/A	N/A	18+30.6	48.2	RT	19.2	N/A	
TH-ER51	NO UTILITY FOUND, EXPLORATORY	N/A	N/A	18+33.4	48.2	RT	19.1	N/A	
TH-ER52	CENTURY LINK (LEVEL 3), BURIED FIBER OPTIC CABLE	UNK.	PE	18+36.2	47.5	RT	19.0	10.1	X-CUT SET OVER THE WEST EDGE OF UTILITY
TH-ER53	NO UTILITY FOUND, EXPLORATORY	N/A	N/A	18+33.3	45.4	RT	19.1	N/A	
TH-ER54	NO UTILITY FOUND, EXPLORATORY	N/A	N/A	18+33.7	50.9	RT	18.9	N/A	

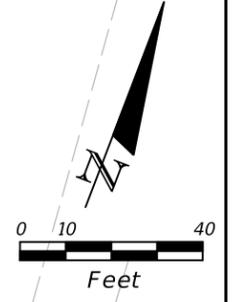
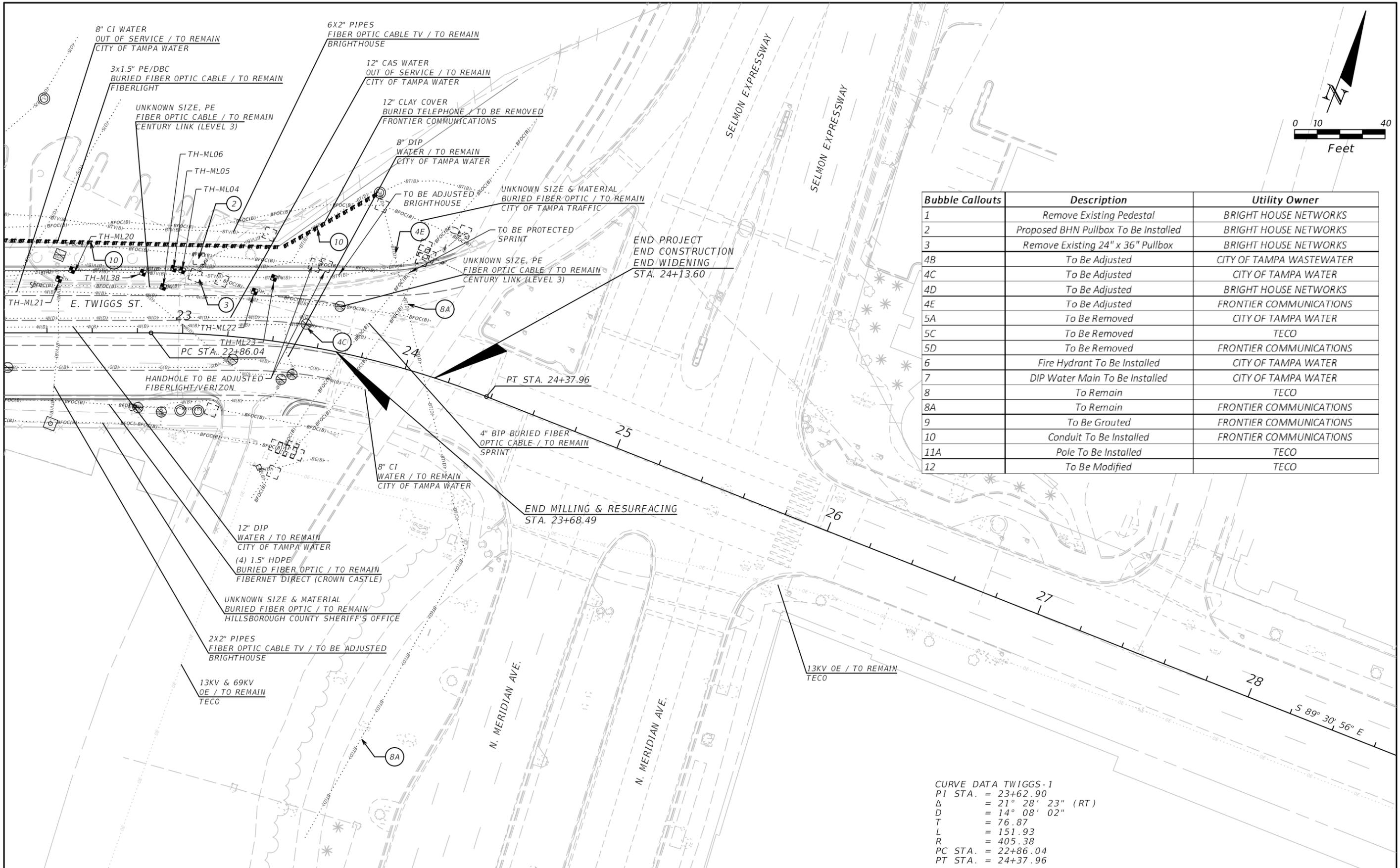
<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION			JAY SCAGLIOLA, PSM SURVEYOR LICENSE NUMBER 5066 WGI INC. 2035 VISTA PARKWAY, SUITE 100 WEST PALM BEACH, FL 33411 CERTIFICATE OF AUTHORIZATION No. 7055		TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		VERIFIED UTILITY LOCATE SHEET (2)	SHEET NO. UTV-2
REVISIONS															
DATE	DESCRIPTION														
		ROAD NO. TWIGGS COUNTY HILLSBOROUGH FINANCIAL PROJECT ID O-00419													

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY	CONTRACT NO.	
					TWIGGS	HILLSBOROUGH	000419	

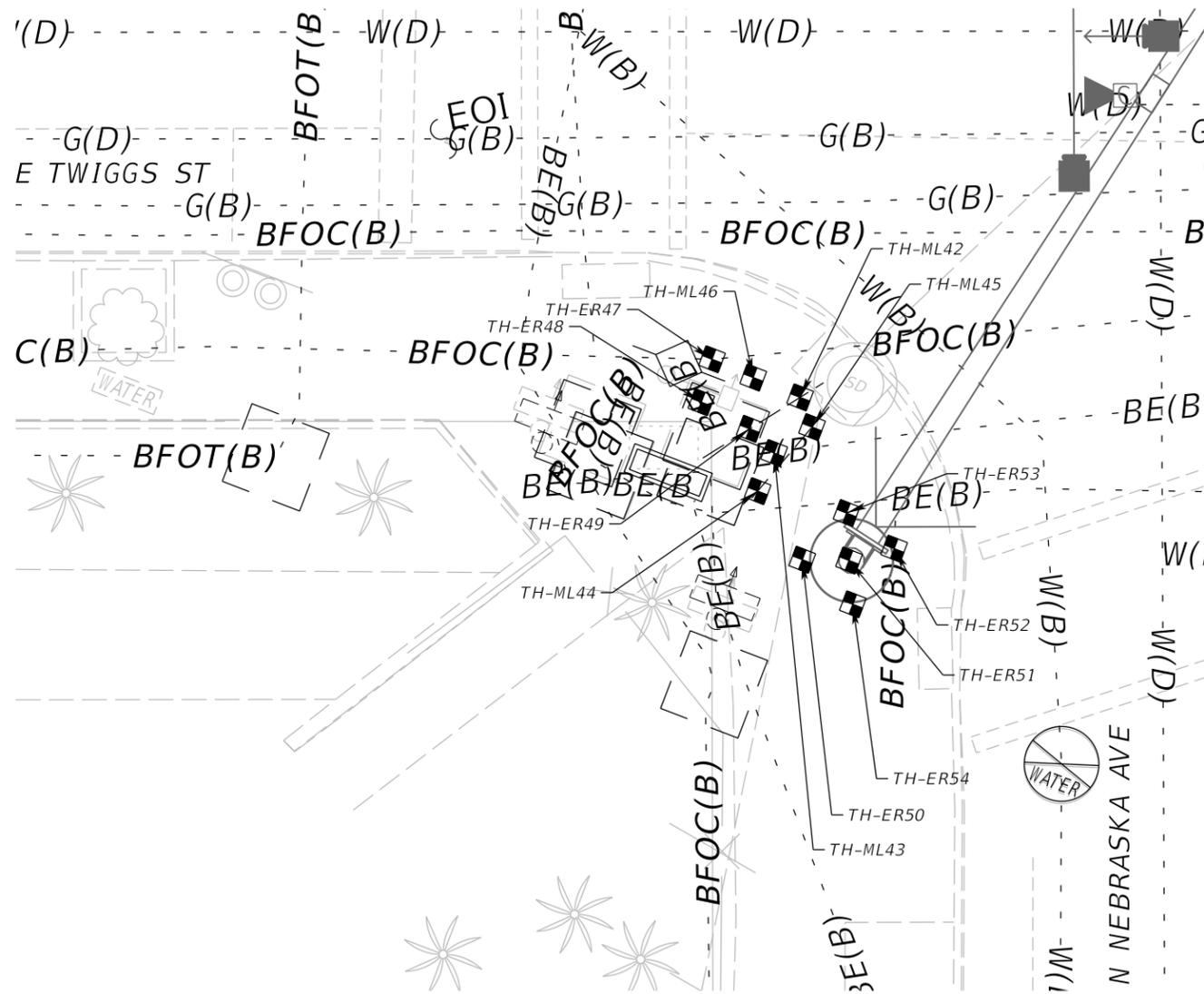
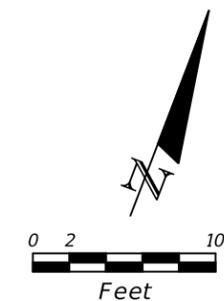
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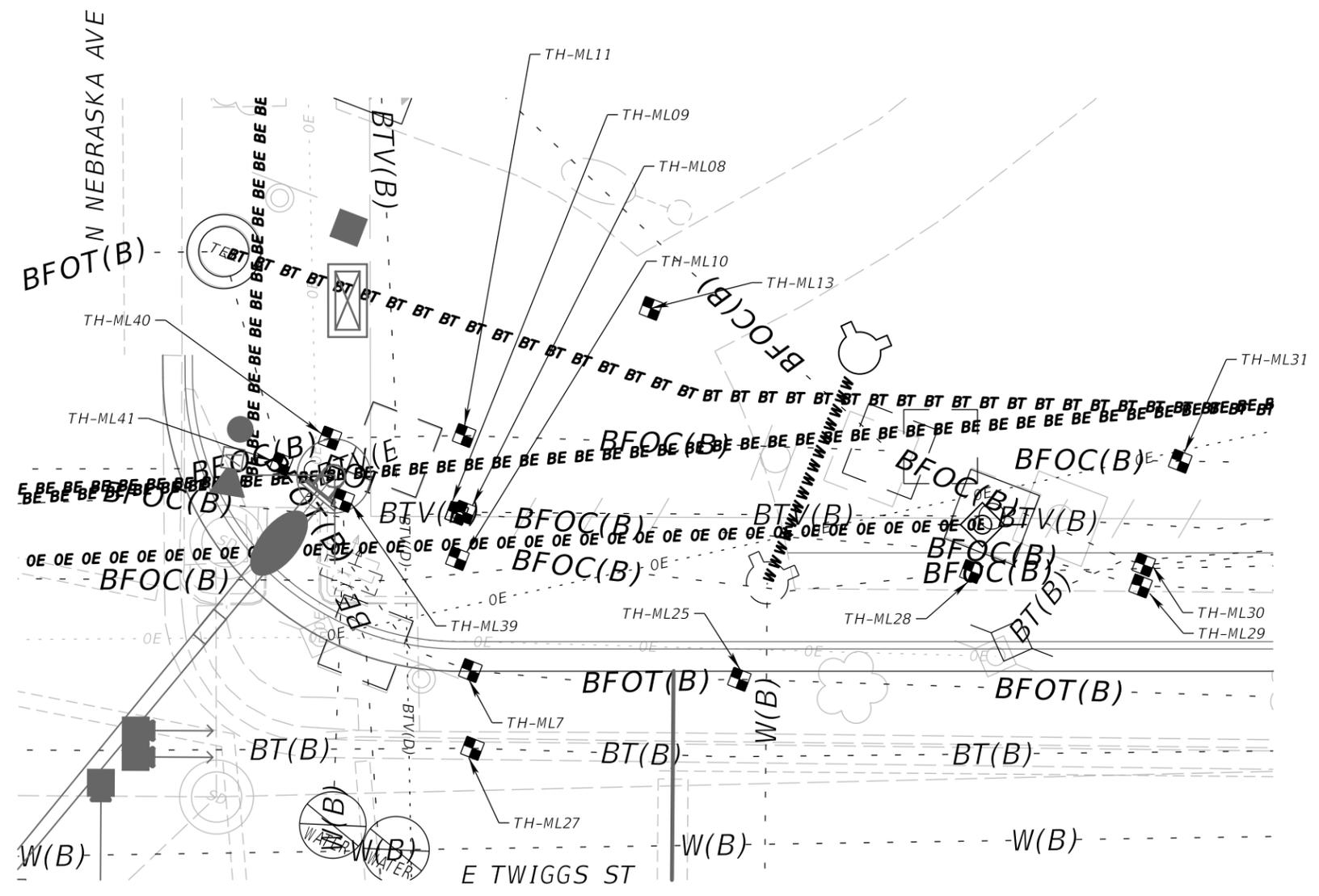
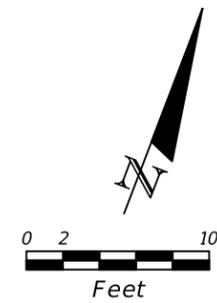
Bubble Callouts	Description	Utility Owner
1	Remove Existing Pedestal	BRIGHT HOUSE NETWORKS
2	Proposed BHN Pullbox To Be Installed	BRIGHT HOUSE NETWORKS
3	Remove Existing 24" x 36" Pullbox	BRIGHT HOUSE NETWORKS
4B	To Be Adjusted	CITY OF TAMPA WASTEWATER
4C	To Be Adjusted	CITY OF TAMPA WATER
4D	To Be Adjusted	BRIGHT HOUSE NETWORKS
4E	To Be Adjusted	FRONTIER COMMUNICATIONS
5A	To Be Removed	CITY OF TAMPA WATER
5C	To Be Removed	TECO
5D	To Be Removed	FRONTIER COMMUNICATIONS
6	Fire Hydrant To Be Installed	CITY OF TAMPA WATER
7	DIP Water Main To Be Installed	CITY OF TAMPA WATER
8	To Remain	TECO
8A	To Remain	FRONTIER COMMUNICATIONS
9	To Be Grouted	FRONTIER COMMUNICATIONS
10	Conduit To Be Installed	FRONTIER COMMUNICATIONS
11A	Pole To Be Installed	TECO
12	To Be Modified	TECO

CURVE DATA TWIGGS-1
 PI STA. = 23+62.90
 Δ = 21° 28' 23" (RT)
 D = 14° 08' 02"
 T = 76.87
 L = 151.93
 R = 405.38
 PC STA. = 22+86.04
 PT STA. = 24+37.96

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY	CONTRACT NO.	
					TWIGGS	HILLSBOROUGH	000419	



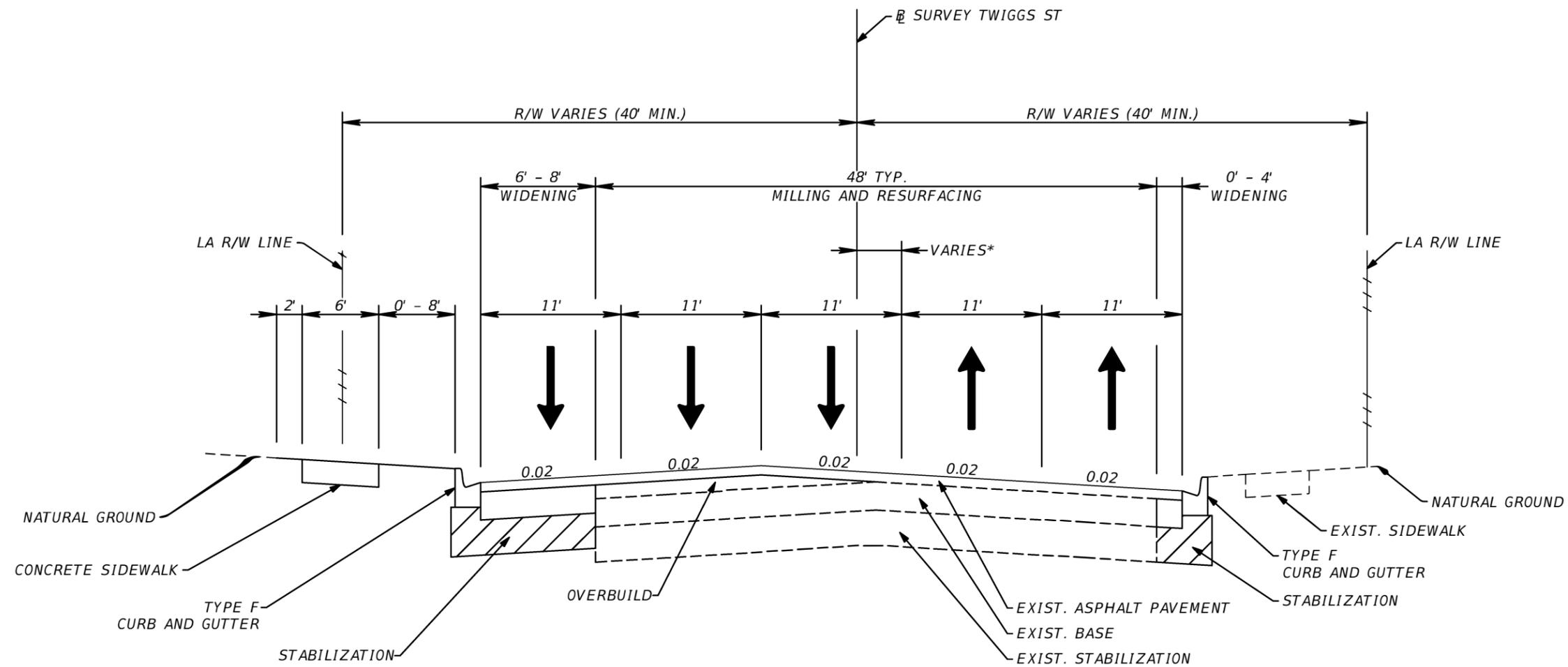
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DATE	DESCRIPTION	DATE	ROAD		COUNTY	CONTRACT NO.		
			TWIGGS		HILLSBOROUGH	000419		



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY	CONTRACT NO.	
					TWIGGS	HILLSBOROUGH	000419	

UTILITY ADJUSTMENT (4)



**TYPICAL SECTION
E. TWIGGS STREET
STA. 18+90.80 TO STA. 24+13.60**

* 3.5' FROM STA. 19+13.65 TO 20+20.00
5.5' FROM STA. 21+60.00 TO 22+86.04
SEE CROSS SECTIONS FOR REMAINING STA. AND TRANSITIONS

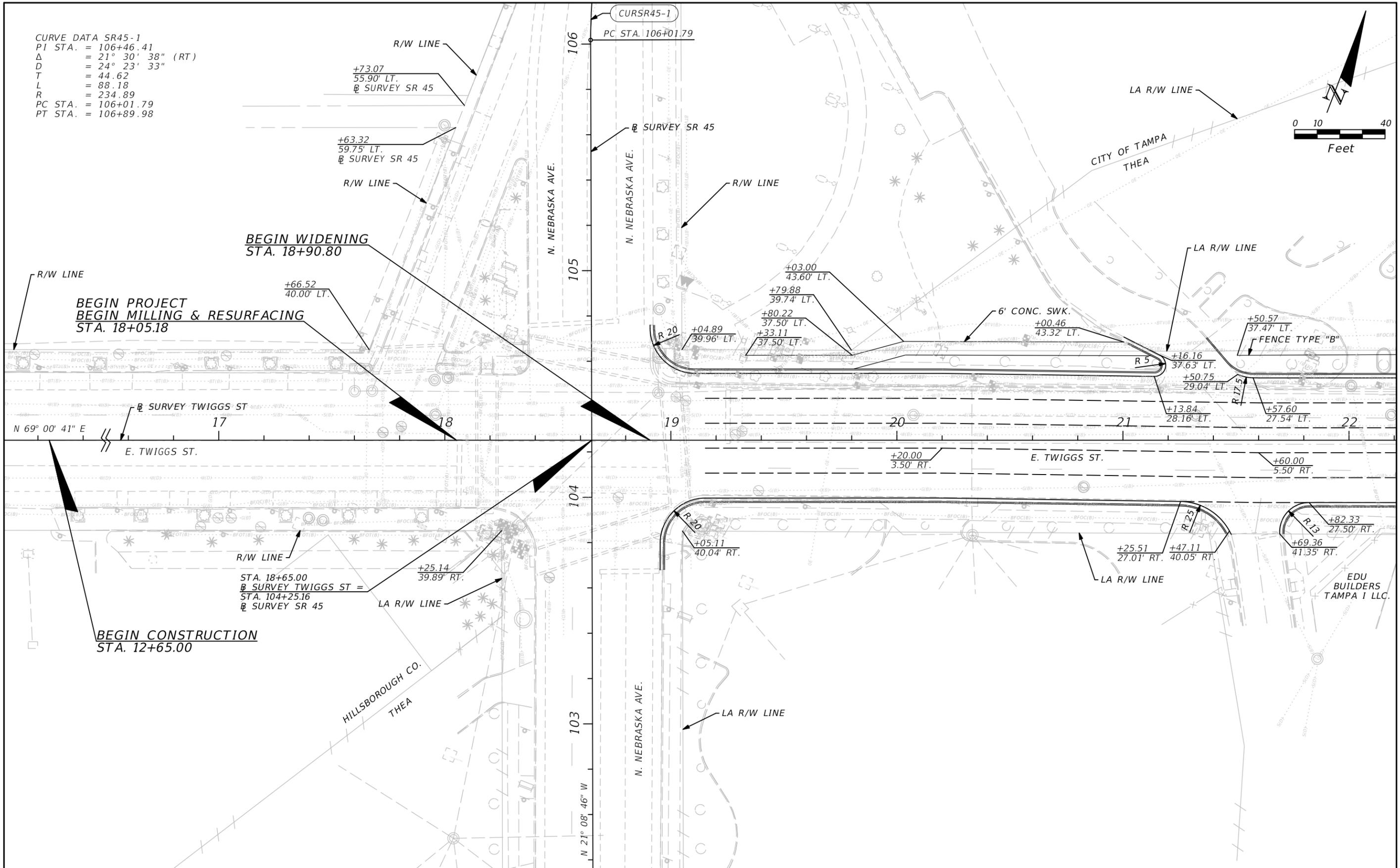
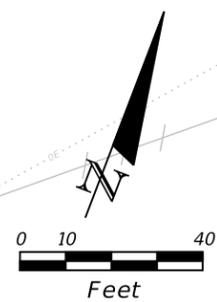
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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ONLY**

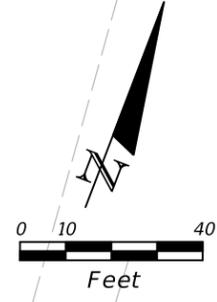
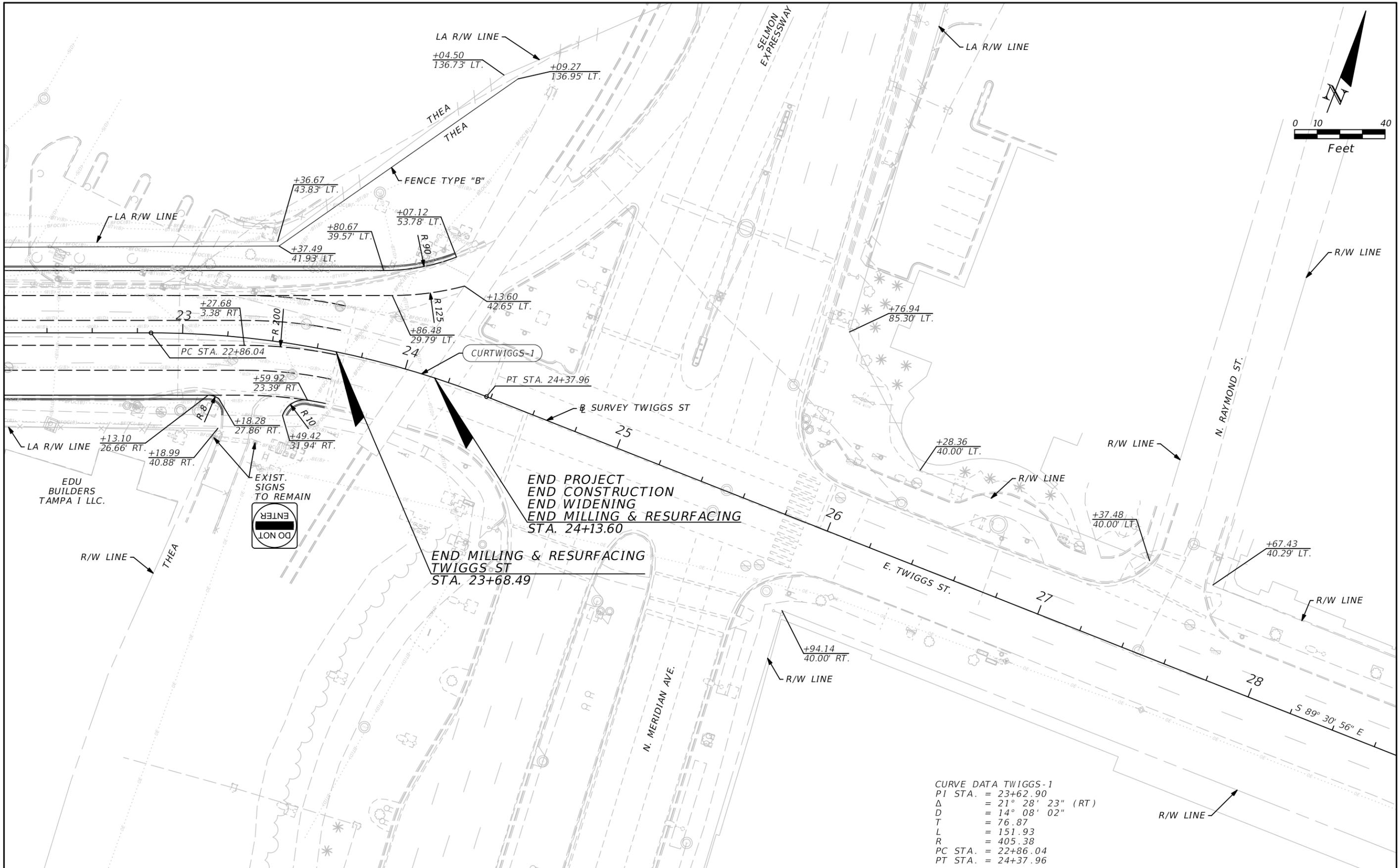
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
TWIGGS	HILLSBOROUGH	000419

TYPICAL SECTION
SHEET NO.

CURVE DATA SR45-1
 PI STA. = 106+46.41
 Δ = 21° 30' 38" (RT)
 D = 24° 23' 33"
 T = 44.62
 L = 88.18
 R = 234.89
 PC STA. = 106+01.79
 PT STA. = 106+89.98



REVISIONS				FOR INFORMATION ONLY	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			ROADWAY PLAN (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					TWIGGS	HILLSBOROUGH	000419		



CURVE DATA TWIGGS-1

PI STA.	= 23+62.90
Δ	= 21° 28' 23" (RT)
D	= 14° 08' 02"
T	= 76.87
L	= 151.93
R	= 405.38
PC STA.	= 22+86.04
PT STA.	= 24+37.96

REVISIONS				FOR INFORMATION ONLY	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			ROADWAY PLAN (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					TWIGGS	HILLSBOROUGH	000419		