Utility Assessment Report

US 41/SR 45 at CSX Grade Separation

From S of SR 676 to N of SR 676

Project Development & Environment (PD&E) Study

Design Change Reevaluation

Florida Department of Transportation

District 7

Work Program Item Segment No. 440749-1-32-01

ETDM Project No. 14345

Hillsborough County, Florida

February 2023

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (FDOT) pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated May 26, 2022, and executed by the Federal Highway Administration and FDOT.

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Prepared by:

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EXECUTIVE SUMMARY

This Utility Assessment Report was prepared to evaluate the utilities within the project corridor. The data collected from the Utility Agency Owners (UAO's) includes their green lines/as-Builts of the project area describing what facilities they have on the project.

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SECTION 1 INTRODUCTION

1.1 PROJECT DESCRIPTION

The Florida Department of Transportation (FDOT) is conducting a Design Change and Right of Way (ROW) Authorization Reevaluation of a previous Environmental Assessment (EA) (Work Program Item Segment (WPIS) No. 255598-1) with a Finding of No Significant Impact (FONSI) approved by the Federal Highway Administration on May 24, 1994. **Figure 1-1** shows the limits of the previous PD&E study completed along 22nd Street Causeway/Causeway Boulevard (State Road 676) from State Road (SR) 60 to US 301, in Hillsborough County, Florida. The segment currently being evaluated/advanced is shown as Segment 3 on **Figure 1-1.**

The previous study evaluated anticipated conditions for a 2015 Design Year. The FONSI documented the construction of a six-lane roadway to replace the existing 2- to 4-lane roadway beginning at SR 60 and extending approximately 7 miles east at US 301. Since the completion of the 1994 PD&E Study, Causeway Boulevard has been widened to four-lanes.

The project included a new interchange at US 41/Causeway Boulevard intersection for which the approved concept was a "compressed diamond" interchange with US 41 elevated over Causeway Boulevard. This interchange is also known as a Single Point Urban Interchange (SPUI) or a Tight Urban Diamond Interchange (TUDI). The study identified that the US 41 interchange bridge would carry three lanes of traffic in each direction with a barrier wall separating opposing traffic. The study recommended an additional grade separation of US 41 over the CSX railroad crossing south of Causeway Boulevard while the CSX railroad crossing east of US 41 would remain at-grade with Causeway Boulevard. The concept showed the SPUI ramps oriented along US 41 and one-way, one-lane frontage roads were provided in the southeast and northeast quadrants to provide local property access. Five-foot sidewalks and 4-foot bicycle lanes were proposed along both sides of Causeway Boulevard.

The current study effort being conducted under WPIS# 440749-1 is evaluating various intersection and operational improvements along Causeway Boulevard east and west of US 41 (SR 45/SR 599) along US 41 from south of the Causeway Boulevard intersection to north of the Causeway Boulevard intersection. These improvements include the construction of a grade separation of US 41/SR 45 at the CSX railroad crossing located approximately 1,400' south of the Causeway Boulevard intersection. Bicycle and pedestrian facility improvements along US 41 and Causeway Boulevard are also provided..

1.1.1 Purpose & Need

Purpose

The purpose of this project is to reduce traffic delays associated with the CSX railroad crossing, adequately support the safe movement of vehicle traffic, including trucks and freight, and enhance connectivity and safety for bicyclists and pedestrians.

Need

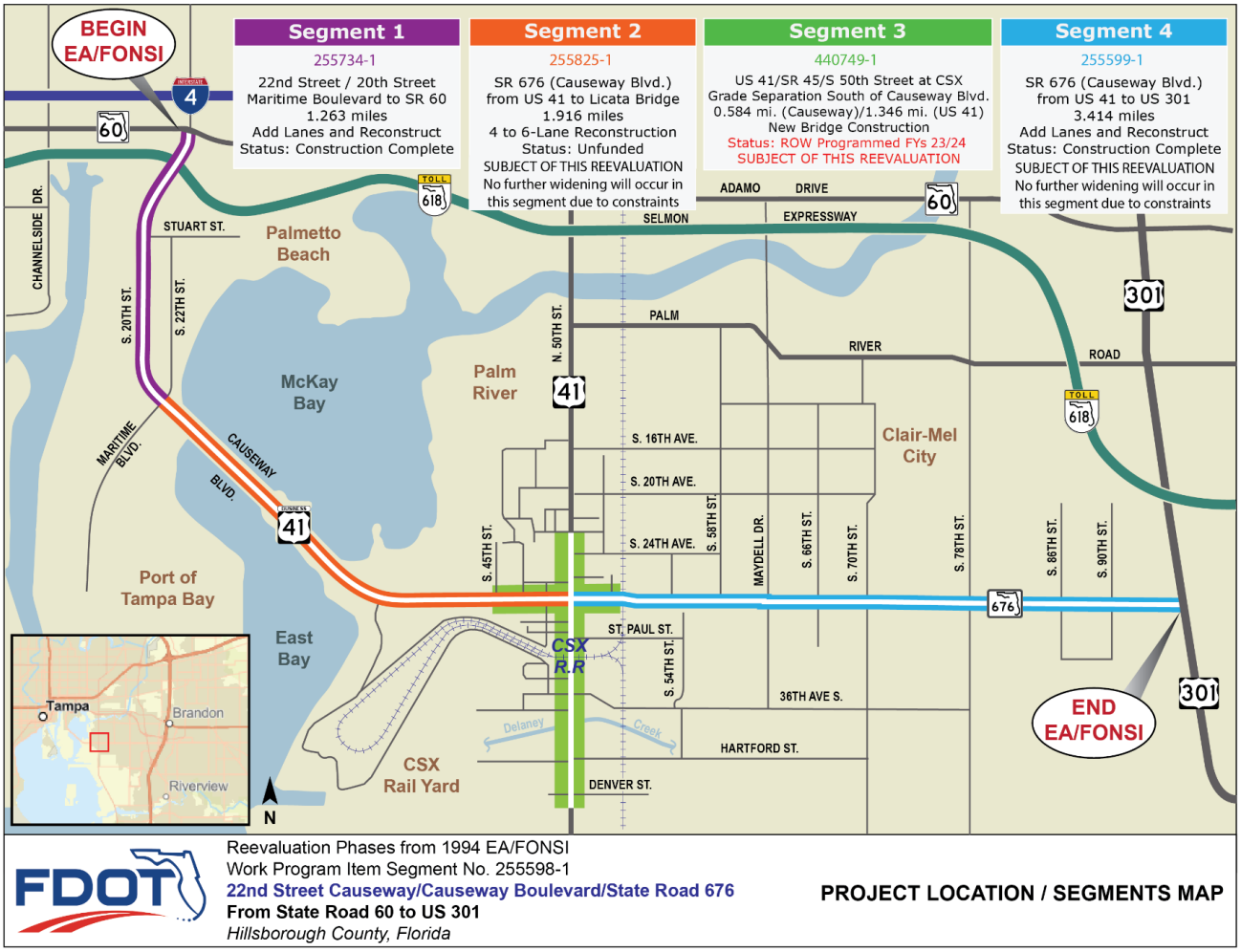
As expressed in the original 1994 EA/FONSI, the need for the 22nd Street Causeway/Causeway Boulevard improvements was based on the following criteria: System Linkage; Capacity; Transportation Demand; Federal, State, or Local Government Authority; Socioeconomic Demand; Modal Interrelationships; Safety; and Navigation.

For the current segment, US 41 and Causeway Boulevard are vital arterial highways which serve the City of Tampa located in Hillsborough County. The US 41/SR 45 and Causeway Boulevard intersection experiences traffic delays during the AM and PM peak periods with heavy truck traffic (approximately 13% of the daily volume) traversing through the intersection. The presence of CSX railroad crossings to the south and east of the intersection also further contribute to these traffic delays. The CSX railroad crossing located to the south of the intersection causes traffic delays particularly during the AM peak period. This project will address traffic delays associated with the CSX railroad crossing to the south of the US 41 and Causeway Boulevard intersection and will facilitate the safe movement of vehicle traffic through the project corridor.

In addition, this project will also address multimodal connectivity and safety within the area. Although there sidewalks and dedicated bicycle lanes along both sides of Causeway Boulevard within the project limits, there are only sidewalks and no dedicated bicycle facilities along US 41 within the project limits. Between 2017 and 2021, there were 10 crashes involving bicyclists or pedestrians. These 10 crashes resulted in 1 fatality as well as a total of 8 injuries.

The proposed improvements have been identified in the Hillsborough County Transportation Planning Organization's (TPO) 2045 Adopted Long Range Transportation Plan (under the Hillsborough County Freight Hot Spots), the TPO's Fiscal Year 2022/23-2026/27 Transportation Improvement Program, as well as the FDOT's Statewide Transportation Improvement Plan and Strategic Intermodal System (SIS) Adopted 1st 5-Year Program. US 41 has also been identified as a Goods Movement Roadway Corridor from I-4 to the Manatee County Line and is a priority project for the National Highway Freight Program.

Figure 1-1: Project Location Map



2.0 UTILITY INFORMATION

2.1 General

The intent of this report is to furnish pertinent information concerning the location, size and characteristics of major utilities found within the proposed study limits (See Figure 1-1).

2.2 Utility Coordination

The preliminary utility coordination and investigation effort was conducted through written and verbal communications with the existing utility owners. A Sunshine State 811 of the Florida Design Ticket System listing of existing utility owners was acquired on April 15, 2019. (Appendix A).

Initially, verbal communication was made to all utility's owners outlining the investigation effort along with the project limits. The list of utility agencies owners (UAO) known to operate utilities within the project corridor include:

Figure 1-2: Utility Contact Information

Utility Agency	Utility Contact Name	Utility Contact Phone	Utility Contact Email
CenturyLink	Bradley Morseth	612-805-9479	bradley.morseth@centurylink.com
City of Tampa Water	Kimani Thomas	813-460-3731	kimani.thomas@tampagov.net
City of Tampa Wastewater	Richard Rivera	813-274-8957	richard.rivera@tampagov.net
Hillsborough County Traffic	Darryle Norton	813-627-1326	nortond@hillsboroughcounty.org
Hillsborough County Water Resources	Warren Gilbreath	813-209-3075	GilbreathW@HillsboroughCounty.org
Tampa Bay Pipeline	Greg Lipscomb	813-623-2431	greg.lipscomb@panamericanpipelines.com
TECO Peoples Gas	James Hamilton	813-309-8531	jkhamilton@tecoenergy.com
Verizon	Andrew Cole	813-847-4037	andrew.cole2@verizon.com
Zayo	Bruce Herrington	252-207-2400	Bruce.Herrington@Cobbfendley.com
Bright House Networks dba Charter/Spectrum	Paul Bustamante	813-538-2924	Paul.Bustamante@charter.com
Frontier	Randy Thomas	813-892-9692	randall.james@ftr.com

For the report's preparation, utility owners were provided aerial based utility plans depicting US 41/SR 45 at the planned project location. Using these aerial plans as a base map, each utility owner was asked to indicate their existing and proposed utilities as well as any easements that may affect their reimbursement rights for potential relocations of their facilities. In response, most utility owners replied via written communications. There was no response from the contacted utilities where they mentioned any easements or reimbursable on this project. The utility owners provided the requested information concerning their facilities using either the utility plans or reference documentation (i.e., "As Built" or GIS maps). "Marked" Plans or reference documentation was received from the following Utility Agency Owners.

3.0 UTILITY EXISTING FACILITIES DESCRIPTIONS

3.1 CenturyLink

Marked plans were received from Bradley Morseth on 5/18/2021 via e-mail. In the project vicinity CenturyLink has 12-1/5" high-density polyethylene (HDPE) conduits containing 72FOC and 216FOC (fiberoptic cables).

12-1/5" HDPE conduit runs along the eastern US 41 ROW throughout the project extent. Proposed project work that may come in conflict includes sidewalk installation, bridge construction, changes to roadway elevation and to MSE, ROW change, roadway milling and resurfacing.

3.2 City of Tampa Water

Marked plans were received from Kimani Thomas on 5/18/2021 via e-mail. The markups show the City of Tampa Water has cast iron pipe (CAS), cast iron-mechanical joint pipe (EMJ), cast iron-caulked joint pipe (ECJ), ductile metal pipe (DIP), and polyvinyl chloride (PVC) water mains within the project vicinity.

B1-2-07: 24" EMJ and ECJ mains are located under US 41 south-bound lane from the southern project terminus to sta. 1044. North of sta. 1044 it runs along the approximate centerline US 41 to the northern project terminus. Proposed project work that may come in conflict includes changes to roadway elevation and to MSE, bridge construction, and profile changes, sidewalk installation, roadway milling and resurfacing.

C76-20-1: As a 2" EMJ, this main is located along the US 41 western ROW from sta. 1005+60 to 1006+40. As a 6" DIP, it extends west from US 41 southbound lane at sta. 1006+45. Proposed project work that may come in conflict includes changes to roadway elevation, sidewalk installation, and ROW changes.

FC22-70: A 6" ECJ main runs along the east ROW and under the north-bound lane of US 41 from sta. 1007 to 1017+40, and then again along the US 41 north-bound lane from sta. 1040+20 to 10444. It crosses US 41 as an 8" ECJ at sta. 1002+25, 1007+30, and 1033+40, and as a 6" ECJ at sta. 1011 and 1017+20. A 6" DIP extends east from the US 41 eastern ROW at sta. 2011+15. Proposed project work that may come in conflict includes changes to roadway elevations and to MSE, bridge construction, sidewalk installation, ROW changes, roadway milling and resurfacing.

F13-4-72: 4" DIP runs along the US 41 eastern ROW from sta. 1019+60 to 1022. Proposed project work that may come in conflict includes sidewalk installation and roadway change to MSE.

A14-4-69: 6" DIP runs along the US 41 eastern ROW from sta. 1022 to 1023+20. Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevations, and bridge construction.

A14-3-52: 6” DIP extends east from the US 41 north-bound lane, along the north side of Trenton St. Proposed project work that may come in conflict includes change to roadway elevations, sidewalk installation, and ROW changes.

FC36-54: 6” ECJ is located along the US 41 eastern ROW from sta. 1023+20 to 1028. Proposed project work that may come in conflict includes new roadways to properties, sidewalk installation, and roadway change to on MSE.

FC23-83/A15-1-04: 6” ECJ runs along the US 41 eastern ROW from sta. 2060+500 to 2065. Proposed project work that may come in conflict includes ROW changes, sidewalk installation, change toroadway elevation, roadway milling and resurfacing.

FC33-29: 12” ECJ crosses US 41 at sta. 1007+5. Proposed project work that may come in conflict includes roadway changes to at-grade, sidewalk installation, and ROW changes.

C5-1-29: 14-16” steel casing crosses US 41 at sta. 1020+80 in a contaminated area. Proposed project work that may come in conflict includes roadway changes to at-grade and to MSE, sidewalk installation, ROW change, and curb returns increased for WB-62FL.

FC23-34: 2” ECJ extends west from the US 41 south-bound lane main at sta. 1010+60. Proposed project work that may come in conflict includes ROW changes, sidewalk installation, and roadway change to at-grade.

A15-1-04: 6” DIP main extends west from the US 41 south-bound lane at sta. 1014+80, 1035+80, and 1039+80. It crosses US 41 at sta. 1023+20. Proposed project work that may come in conflict includes sidewalk installation, changes to roadway eleevations, roadway milling and resurfacing, and ROW change.

E9-2-48: 6” DIP extends west from the US 41 south-bound lane at sta. 1039+80. Proposed project work that may come in conflict includes ROW change, sidewalk installation, roadway elevation change, roadway milling and resurfacing.

C7-1-33: An 8” ECJ crosses US 41 at sta. 1033+40. Proposed project work that may come in conflict includes ROW change, sidewalk installation, roadway elevation change, bridge construction.

FC39-100: 8” ECJ extends west from the US 41 south-bound lane at sta. 1019. Proposed project work that may come in conflict includes changes to roadway elevation and to MSE, sidewalk installation, ROW changes, and curb returns increase for WB-62FL.

FC24-61: 2” ECJ extends west from the US 41 south-bound lane at sta. 1027+50. Proposed project work that may come in conflict includes changes to roadway elevations, roadway milling and resurfacing.

C3-3-09: 6” PVC extends west from the US 41 south-bound lane at sta. 1044. Proposed project work that may come in conflict includes ROW changes, sidewalk installation, changes to roadway elevation, roadway milling and resurfacing.

FC41-3: 8” ECJ crosses US 41 at sta. 1046+65. Proposed project work that may come in conflict includes sidewalk installation and change to roadway elevation.

E14-4-17: 12” DIP extends east from the US 41 north-bound lane at sta. 1060+15. Proposed project work that may come in conflict includes, changes to roadway elevation, roadway milling and resurfacing, and sidewalk installation.

FC42-41: 6” ECJ extends west from the approximate US 41 centerline at sta. 1064+30. Proposed project work that may come in conflict includes sidewalk installation, ROW changes, changes to roadway elevation, roadway milling and resurfacing.

E14-4-21/FC26-56: An abandoned 2” ECJ is located along the US 41 south-bound lane from sta. 1060+40 to 1064+20. Proposed project work that may come in conflict includes changes to roadway elevations, ROW change, and sidewalk installation.

FC27-95: 6” ECJ runs along the US 41 western ROW from sta. 1050 to 1055. Proposed project work that may come in conflict includes changes to roadway elevations, ROW change, and sidewalk installation.

FC29-28: 2” ECJ runs along the US 41 eastern ROW from sta. 1051+50 to 11054+40. Proposed project work that may come in conflict includes changes to roadway elevations, ROW change, and sidewalk installation.

FC22-35: 8” CAS runs along the southern SR 676 ROW from the western project terminus to sta. 3019+20. Proposed project work that may come in conflict includes sidewalk installation, ROW change, and changes to roadway elevation.

J0346: 12” PVC extends south from the SR 676 southern ROW at sta. 3004. Proposed project work that may come in conflict includes changes to roadway elevation and sidewalk installation.

FC22-34: 8” ECJ runs along the SR 676 southern ROW from sta. 3019+20 to 3029. Proposed project work that may come in conflict includes changes to roadway elevations, sidewalk installation, and ROW changes.

C3-3-10: An abandoned 8” DIP runs along the SR 676 southern ROW from sta. 3029 to 3039+80. Proposed project work that may come in conflict includes changes to roadway elevation, sidewalk installation, and ROW change.

FC84-212-02/03/04/05/06: 12” DIP runs along the SR 676 east-bound lane from sta. 3039+80 to the eastern project terminus. Unnamed extensions cross SR 676 at sta. 3041+40, 3043+20, and 3044+10, and 3054+50. From sta. 3060+20 to 3061+60 the pipe is in steel casing. Proposed project work that may come in conflict includes sidewalk installation and changes to roadwayelevation.

FC48-32: 6” ECJ extends south from the SR 676 east-bound lane at 3040+80. Proposed project work that may come in conflict includes changes to roadway elevation, ROW changes, and sidewalk installation.

FC55-01: 8" DIP crosses SR 676 at sta. 3057+60. Proposed project work that may come in conflict includes changes to roadway elevation, sidewalk installation, and ROW change.

3.3 City of Tampa Wastewater

Marked plans were received from Richard Rivera on 5/18/2021 via e-mail. The City of Tampa Wastewater has 10" PVC pressurized mains and 8" PVC gravity mains in the project vicinity.

10" PVC pressurized main that crosses SR 676 at Sagasta St. and continues east along the northern ROW, ending outside the project's eastern terminus. Proposed project work that may come in conflict includes ROW change, sidewalk installation, and changes to roadway elevation.

8" PVC gravity main crosses US 41 at the CSX railroad intersection and runs along the north side of the tracks, with casings at the US 41 crossing. Proposed project work that may come in conflict includes bridge construction, ROW change, sidewalk installation, changes to roadway elevation, roadway milling and resurfacing.

3.4 Frontier

Marked plans were received from Randy Thomas on 4/13/2021 via e-mail. In the project vicinity Frontier has 100, 200, 600 buried cables, FOC, 3-4", 6-4", 2-4", 4-4" and 8-4" conduits. At two road crossings conduits are in 10" and 24" steel casing. There are also (1), (3), and (4) aerial cables and overhead guy wires.

3 buried cables (600,200,100) are located along the US 41 eastern ROW from the southern project terminus to sta. 1010+70 (Trenton St.). Proposed project work that may come in conflict includes sidewalk installation, change to roadway elevation, and roadway change to on MSE.

3 buried cables (600,600,600) are located along the US 41 eastern ROW from sta. 1018 to 1022+80. Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevation, and ROW change.

3 buried cables (600,600,FOC) are located along the US 41 eastern ROW from sta. 1032+20 to 1039+50. This type of line extends west from the US 41 western ROW at S 31st Ave (sta. 1039+50). Proposed project work that may come in conflict includes sidewalk installation, bridge construction, roadway change to on MSE, ROW change, new roadways to properties, roadway milling and resurfacing.

5 buried cables (600,600,600,200,100) run along the US 41 eastern ROW from sta. 1010+70 to 1018. Proposed project work that may come in conflict includes sidewalk installation and changes to roadway elevation.

5 buried cables (100,200,600,600,FOC) are located along the eastern US 41 ROW from sta. 1022+80 to 1032+20. Proposed project work that may come in conflict includes sidewalk installation, bridge construction, roadway change to on MSE, ROW change, and new roadways to properties.

1 buried cable (unknown size or type) crosses SR 676 at sta. 3009+90 and runs along the US 41 western ROW from sta. 1002+40 to 1006. Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevation, and ROW change.

10" steel casing with copper and fiber cables cross US 41 at sta. 1039+50. Proposed project work that may come in conflict includes sidewalk installation, roadway change to on MSE, ROW change, roadway milling and resurfacing.

3-4" conduits are located along the US 41 eastern ROW from sta. 1043+60 to 1046+60, 1050+50 to 1060+20 and along the western US 41 ROW from sta. 1050+50 to 1067+40. They cross US 41 at sta. 1046+60 (SR 676). They also run along the southern SR 676 ROW from sta. 3034+20 to 3040+60. Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevation, ROW change, roadway milling and resurfacing.

6-4" conduits run along the eastern US 41 ROW from sta. 1046+60 to 1050+50 and along the SR 676 southern ROW from sta. 3047+50 to 3057+50. They cross SR 676 at sta. 3057+50. Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevation, ROW change, roadway milling and resurfacing.

2-4" conduits are located along the northern SR 676 ROW from sta. 3049+20 to 3051+80. They also extend west from the western US 41 ROW at sta. 1050+50. Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevation, and ROW change.

4-4" conduits run along the southern SR 676 ROW from the western project terminus to sta. 3034+20. They cross SR 676 at sta. 3050+30. Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevation, and ROW change.

Buried FOC cross SR 676 at sta. 3017+60 and extend east from the eastern US 41 ROW at sta. 1051+50. Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevation, and ROW change.

24" steel casing with 16-4" conduits cross SR 676 at sta. 3034+20. Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevation, and ROW change.

8-4" conduits extend west from the US 41 western ROW at sta. 1050+50. Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevation, and ROW change.

(1) Aerial cables extend east from the US 41 eastern ROW at sta. 1010+70 (Trenton St.), 1060+70 (S 24th Ave.) and 1064+70 (S 23rd Ave.). They extend west from the US 41 western ROW at sta. 1018+60 (Raleigh St.). They cross US 41 at sta. 1022+80 (Towaway Ave.), 2053+70, and 1064+70 (S 23rd Ave.). They are located along the US 41 western ROW from sta. 1050+50 (El Camino Blanco Blvd.) to 1053+70 and from sta. 1060+70 (S 24th Ave.) to 1064+70 (S 23rd Ave.). They cross S 24th Ave. at the US 41 intersection (east side of US 41). They cross SR 676 at sta. 3009+80, 3022+60, 3027+30 (S 45th St.), 3034+20 (S 47th St.), and 3037. They are located along the SR 676 northern ROW from 3009+80 to 3013+30 and from 3020+60 to 3022+60. They run along the SR 676 southern ROW from sta. 3022+60 to 3042+90.

(3) Aerial cables cross US 41 at sta. 1053+70. They run along the eastern US 41 ROW from sta. 1053+70 to 1060+70 (S 24th Ave.).

(4) Aerial cables are located along the US 41 eastern ROW from sta. 1060+70 (S 24th Ave.) to the northern project terminus.

Overhead guy wires run along the western US 41 ROW from sta. 1017+40 (Raleigh St.) to 1022+80 (Towaway Ave.) and on SR 676 southern ROW at 3040+40.

3.5 Hillsborough County Traffic

Marked plans were received from Darryle Norton on 1/23/2023 via e-mail. In the project vicinity Hillsborough County Traffic has 2" and 4" traffic system conduits, along with buried fiber bundle and copper cables.

4" traffic system conduits are located along the SR 676 northern ROW from sta. 3046 (US 41, west side) through the eastern project terminus.

2" traffic system conduits run along the US 41 western ROW from sta. 1049 (SR 676, north side) through the northern project terminus.

Buried fiber bundle cables are located along the SR 676 northern ROW from the US 41 intersection (east side) through the eastern project terminus.

Buried copper cables cross US 41 at the SR 676 intersection (north side).

3.6 Hillsborough County Water Resources

On 5/10/2021 Warren Gilbreath reported via email that there isn't any County-owned water, wastewater, or reclaimed infrastructure within the limits of this project.

3.7 Tampa Bay Pipeline

Marked plans were received from Greg Lipscomb on 5/11/2021 via e-mail. The plans show Tampa Bay Pipeline has anhydrous ammonia (AA) 6" carbon steel (CS) pipes in the project vicinity.

AA 6" CS pipes crosses US 41 at sta. 1033+70k, along the north side of St. Paul St. This type of pipe also runs along the SR 676 southern ROW, beginning at the wester project terminus and turning south at sta. 4042. Proposed project work that may come in conflict includes bridge construction, ROW change, sidewalk installation, roadway change to at-grade, roadway milling and resurfacing.

3.8 Spectrum

Marked plans were received from Paul Bustamante on 1/24/2023 via e-mail. In the project vicinity Spectrum has buried and aerial FOC and CATV lines.

Buried FOC cross US 41 at sta. 1007+50 (near Hartford St.) and 1051+30 (S 27th Ave.). Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevation, and ROW change.

Buried CATV cross US 41 at sta. 1017+15 (near Delaney Creek) and 1035+80 (between St. Paul St. and S 31st Ave.). They cross SR 676 at sta. 3027 (S 45th St.) and run along the SR 676 northern ROW from sta. 3027 (S 45th St.) to 3039 (near Sagasta St.). Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevation, roadway change to on MSE, ROW change, roadway milling and resurfacing, and new roadway to properties.

Aerial CATV and FOC are located along the northern US 41 ROW from the southern project terminus through the northern project terminus. They cross US 41 at sta. 1052 (S 27th Ave.) They run along the SR 676 northern ROW from sta. 3046+60 (US 41, west side) to 3049+20.

3.9 TECO Peoples Gas

Marked plans were received 6/15/2021 from James Hamilton via e-mail. TECO Peoples Gas has 2", 4" and 6" carbon steel (CS) gas mains (GM) in the project area. Some of these are retired mains.

6" CS GM runs along the US 41 eastern ROW from past the southern project terminus to sta. 1007 where it turns east and out of the project area. Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevation, and ROW change.

4" CS GM/retired OSS cross US 41 at sta. 1010+80, continues north along the western ROW, and terminates at sta. 1023+20. Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevation, ROW change, bridge construction, roadway change to on MSE.

2" CS GM/retired OSS extends west from the US 41 western ROW at sta. 1023+20 (north side of Towaway Ave.). Proposed project work that may come in conflict includes changes to roadway elevation and sidewalk installation.

2" CS GM are located along the SR 676 southern ROW from sta. 3014 through the project's eastern terminus. Extensions running south from this main exist at sta. 3015+40 and 3041. Proposed project work that may come in conflict includes ROW change, changes to roadway elevation and sidewalk installation.

3.10 Verizon

Marked plans were received from Andrew Cole on 1/24/2023 via e-mail.

(2) 2" HDPE conduit with FOC are located along the US 41 eastern ROW from the southern project terminus to the northern project terminus and along the SR 676 northern ROW from sta. 3047+80 (US 41, east side) to the eastern project terminus. Proposed project work that may come in conflict

includes sidewalk installation, bridge construction, changes to roadway elevation, roadway change to on MSE, ROW change, new roadways to properties, roadway milling and resurfacing.

3.11 Zayo

Marked plans were received from Bruce Herrington on 6/9/2021 via e-mail. In the project area, Zayo has 1-1/4" HDPE ducts 144ct FOC.

(3) 1-1/4" HDPE ducts 144ct FOC are located along the northern SR 676 ROW from the eastern project terminus to US 41, and along the eastern US 41 ROW from SR 676 through the northern project terminus. Proposed project work that may come in conflict includes sidewalk installation, changes to roadway elevation, ROW change, roadway milling and resurfacing.

APPENDICES

Appendix A	Sunshine 811 Design Ticket
Appendix B	Utility Marked Plans/As-Builts and Information
Appendix C	Utility Impact Table

APPENDIX A

Sunshine 811 Design Ticket

DESIGN TICKET 1 OF 2
Ticket : 031307965 Rev:000 Taken: 01/31/23 16:12ET

State: FL Cnty: HILLSBOROUGH GeoPlace: PALM RIVER-CLAIR MEL
CallerPlace: PALM RIVER-CLAIR MEL
Subdivision:

Address :
Street : S 50TH ST
Cross 1 : DENVER ST
Within 1/4 mile: Y

Locat: DESIGN TICKET BEGINS FROM THE INTERSECTION OF S 50TH ST & DENVER ST, GOING NORTH FROM ROW TO ROW ON BOTH SIDES OF THE ROAD TO S 23RD AVE FOR A TOTAL APPROX DISTANCE OF 1.31 MI
:
Remarks : DESIGN ONLY, NO LOCATES
IN RESPONSE TO RECEIPT OF A DESIGN TICKET, SSOCOF PROVIDES THE ORIGINATOR OF THE DESIGN TICKET WITH A LIST OF SSOCOF MEMBERS IN THE VICINITY OF THE DESIGN PROJECT. SSOCOF DOES NOT NOTIFY SSOCOF MEMBERS OF THE RECEIPT BY SSOCOF OF A DESIGN TICKET. IT IS THE SOLE RESPONSIBILITY OF THE DESIGN ENGINEER TO CONTACT SSOCOF MEMBERS TO REQUEST INFORMATION ABOUT THE LOCATION OF SSOCOF MEMBERS' UNDERGROUND FACILITIES. SUBMISSION OF A DESIGN TICKET WILL NOT SATISFY THE REQUIREMENT OF CHAPTER 556, FLORIDA STATUTES, TO NOTIFY SSOCOF OF AN INTENT TO EXCAVATE OR DEMOLISH. THAT INTENT MUST BE MADE KNOWN SPECIFICALLY TO SSOCOF IN THE MANNER REQUIRED BY LAW. IN AN EFFORT TO SAVE TIME ON FUTURE CALLS, SAVE YOUR DESIGN TICKET NUMBER IF YOU INTEND TO BEGIN EXCAVATION WITHIN 90 DAYS OF YOUR DESIGN REQUEST. THE DESIGN TICKET CAN BE REFERENCED, AND THE INFORMATION ON IT CAN BE USED TO SAVE TIME WHEN YOU CALL IN THE EXCAVATION REQUEST.
*** LOOKUP BY MANUAL ***
:
Grids : 2754A8224D 2754B8224D 2755B8224D 2755C8224D 2755D8224D

Work date: 01/31/23 Time: 16:06ET Hrs notc: 000 Category: 6 Duration: UNKNOWN
Due Date : 02/02/23 Time: 23:59ET Exp Date : 03/02/23 Time: 23:59ET
Work type: DESIGN Boring: N White-lined: N
Ug/Oh/Both: U Machinery: N Depth: UNK Permits: N N/A
Done for : DESIGN

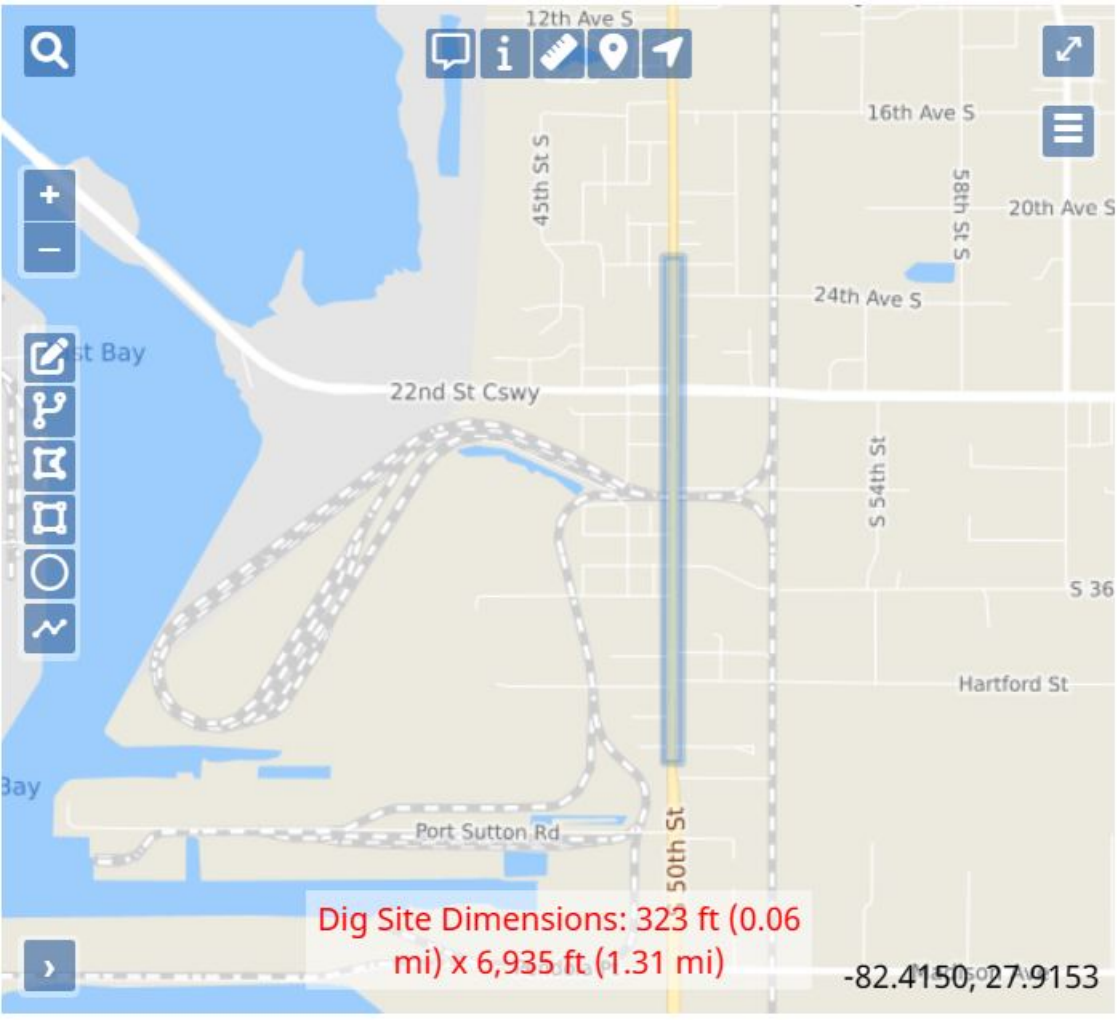
Company : ECHO U.E.S INC Type: OTHR
Co addr : 400 SR 434
City : OVIEDO State: FL Zip: 32765
Caller : CHRISTINA BYRAM Phone: 888-778-3246 Ext: 712
BestTime: 7AM-5PM
Email : CHRISTINA.BYRAM@ECHOUES.COM

Submitted: 01/31/23 16:12ET Oper: CHR Chan: WEB
Mbrs : AL2029 FLW941 GT1722 HCR409 L3C900 MCIU01 PGSTAM TAMP04 TAMP06 TAMPPL
Mbrs : TAMPS1 TECO01 TP1415 TW1059

* Responses are current as of 01/31/2023 04:12 PM

Ex. Circum	Service Area	Utility Type(s)	Contact	Alternate Contact	Emergency Contact	Positive Response
No	AMERICAN LIGHTING AND SIGNALIZATION INC AL2029 * New	LIGHTING	CLIFF DOBSON (813) 267-2186	CLIFF DOBSON (813) 267-2186	CLIFF DOBSON (813) 267-2186	
No	ZAYO GROUP / FORMERLY LIGHTWAVE, LLC FLW941	FIBER	HENRY KLOBUCAR (406) 496-6510	STAKE CENTER / LOUIS SIMONE (772) 579-8956	JON RAY (813) 417-2184	
No	FRONTIER COMMUNICATIONS GT1722	CATV, COMMUNICATION LINES	TONI CANNON (813) 875-1014		AFTER HOURS CRAIG ELLISON, USIC. (800) 575-5594	
No	HILLSBOROUGH COUNTY TRAFFIC SERVICE UNIT HCR409	STREET LIGHTS, TRAFFIC SIGNALS	DARRYLE NORTON	GEORGE AUBEL (813) 927-6751	HILLSBOROUGH COUNTY CUSTOMER SERVICE (813) 744-9650	
No	CENTURYLINK L3C900	FIBER	NETWORK RELATIONS (877) 366-8344 x2	TECH ON DUTY (877) 366-8344 x3	TECH ON DUTY (877) 366-8344 x3	
No	MCI MCIU01	COMMUNICATION LINES, FIBER	ASG INVESTIGATIONS TEAM (800) 624-9675 x2	NATIONAL FIBER SECURITY DEPARTMENT (800) 624-9675	NATIONAL FIBER SECURITY DEPARTMENT (800) 624-9675	
No	TECO PEOPLES GAS-TAMPA PGSTAM	GAS	JOAN DOMNING (813) 275-3783	ROGER ROSELLO (813) 422-2805	TECO PEOPLES GAS CUSTOMER SERVICE** (877) 832-6747	
No	CITY OF TAMPA TRANSPORT TAMP04	TRAFFIC SIGNALS	VIK BHIDE (TRANSPORTATION) (813) 274-8066	ANYONE DISPATCH (813) 274-3101	ANYONE DISPATCH (813) 274-3101	
No	CITY OF TAMPA WATER TAMP06	WATER	WATER MAPS AND AS-BUILTS INFORMATION (813) 274-7109		WATER DEPARTMENT TRIAGE (813) 274-7400	
No	TAMPA BAY PIPELINE CORPORATION TAMPPL	AMMONIA PIPELINE	RANDY HERRON (813) 623-2431	TBPL OPERATOR (813) 623-5815	MARTIN GOODE (813) 623-2431	
No	CITY OF TAMPA SEWER TAMPS1	SEWER	JACK FERRAS (SEWER) (813) 274-8095	DANIEL HITTLE (813) 898-1384	CITY OF TAMPA WASTEWATER COLLECTION (813) 898-1420	
No	TAMPA ELECTRIC COMPANY TECO01	ELECTRIC	ENGINEERING GROUP CSADMIN@TECOENE	LORENZO JONES (813) 275-3427	SYSTEM SERVICE (813) 223-0800	
No	TAMPA PORT AUTHORITY TP1415	ELECTRIC, FIBER, SEWER, TELEPHONE, WATER	ISMAEL ARROYO (813) 241-1706	MARISOL MARTINEZ (813) 241-1701	NORBERTO SANCHEZ (813) 241-1700	
No	SPECTRUM SUNSHINE STATE, LLC	CATV	GENE GREGORY (863) 333-4763	USIC DISPATCH OFFICE (CLS) (800) 778-9140	USIC DISPATCH OFFICE (CLS) (800) 778-9140	

TW1059


12th Ave S
16th Ave S
20th Ave S
24th Ave S
45th St S
58th St S
22nd St Cswy
S 54th St
S 36
Hartford St
Port Sutton Rd
50th St
Dig Site Dimensions: 323 ft (0.06 mi) x 6,935 ft (1.31 mi)
-82.4150, 27.9153

DESIGN TICKET 2 OF 2
Ticket : 031308102 Rev:000 Taken: 01/31/23 16:21ET

State: FL Cnty: HILLSBOROUGH GeoPlace: PALM RIVER-CLAIR MEL
CallerPlace: PALM RIVER-CLAIR MEL
Subdivision:

Address :
Street : CAUSEWAY BLVD
Cross 1 : S 45TH ST
Within 1/4 mile: Y

Locat: DESIGN BEGINS FROM THE INTERSECTION OF CAUSEWAY BLVD & S 45TH ST, GOING EAST FROM ROW TO ROW ON BOTH SIDES OF THE ROAD TO S GELMAN PL FOR A TOTAL APPROX DISTANCE OF .59 MI
:
Remarks : DESIGN ONLY, NO LOCATES
IN RESPONSE TO RECEIPT OF A DESIGN TICKET, SSOCOF PROVIDES THE ORIGINATOR OF THE DESIGN TICKET WITH A LIST OF SSOCOF MEMBERS IN THE VICINITY OF THE DESIGN PROJECT. SSOCOF DOES NOT NOTIFY SSOCOF MEMBERS OF THE RECEIPT BY SSOCOF OF A DESIGN TICKET. IT IS THE SOLE RESPONSIBILITY OF THE DESIGN ENGINEER TO CONTACT SSOCOF MEMBERS TO REQUEST INFORMATION ABOUT THE LOCATION OF SSOCOF MEMBERS' UNDERGROUND FACILITIES. SUBMISSION OF A DESIGN TICKET WILL NOT SATISFY THE REQUIREMENT OF CHAPTER 556, FLORIDA STATUTES, TO NOTIFY SSOCOF OF AN INTENT TO EXCAVATE OR DEMOLISH. THAT INTENT MUST BE MADE KNOWN SPECIFICALLY TO SSOCOF IN THE MANNER REQUIRED BY LAW. IN AN EFFORT TO SAVE TIME ON FUTURE CALLS, SAVE YOUR DESIGN TICKET NUMBER IF YOU INTEND TO BEGIN EXCAVATION WITHIN 90 DAYS OF YOUR DESIGN REQUEST. THE DESIGN TICKET CAN BE REFERENCED, AND THE INFORMATION ON IT CAN BE USED TO SAVE TIME WHEN YOU CALL IN THE EXCAVATION REQUEST.
*** LOOKUP BY MANUAL ***
:
Grids : 2755C8223A 2755C8224B 2755C8224C 2755C8224D

Work date: 01/31/23 Time: 16:14ET Hrs notc: 000 Category: 6 Duration: UNKNOWN
Due Date : 02/02/23 Time: 23:59ET Exp Date : 03/02/23 Time: 23:59ET
Work type: DESIGN Boring: N White-lined: N
Ug/Oh/Both: U Machinery: N Depth: UNK Permits: N N/A
Done for : DESIGN

Company : ECHO U.E.S INC Type: OTHR
Co addr : 400 SR 434
City : OVIEDO State: FL Zip: 32765
Caller : CHRISTINA BYRAM Phone: 888-778-3246 Ext: 712
BestTime: 7AM-5PM
Email : CHRISTINA.BYRAM@ECHOUES.COM

Submitted: 01/31/23 16:21ET Oper: CHR Chan: WEB
Mbrs : AL2029 GT1722 HCR409 L3C900 MCIU01 PGSTAM TAMP04 TAMP06 TAMPPL TAMPS1
Mbrs : TECO01 TF1649 TW1059

* Responses are current as of 01/31/2023 04:21 PM

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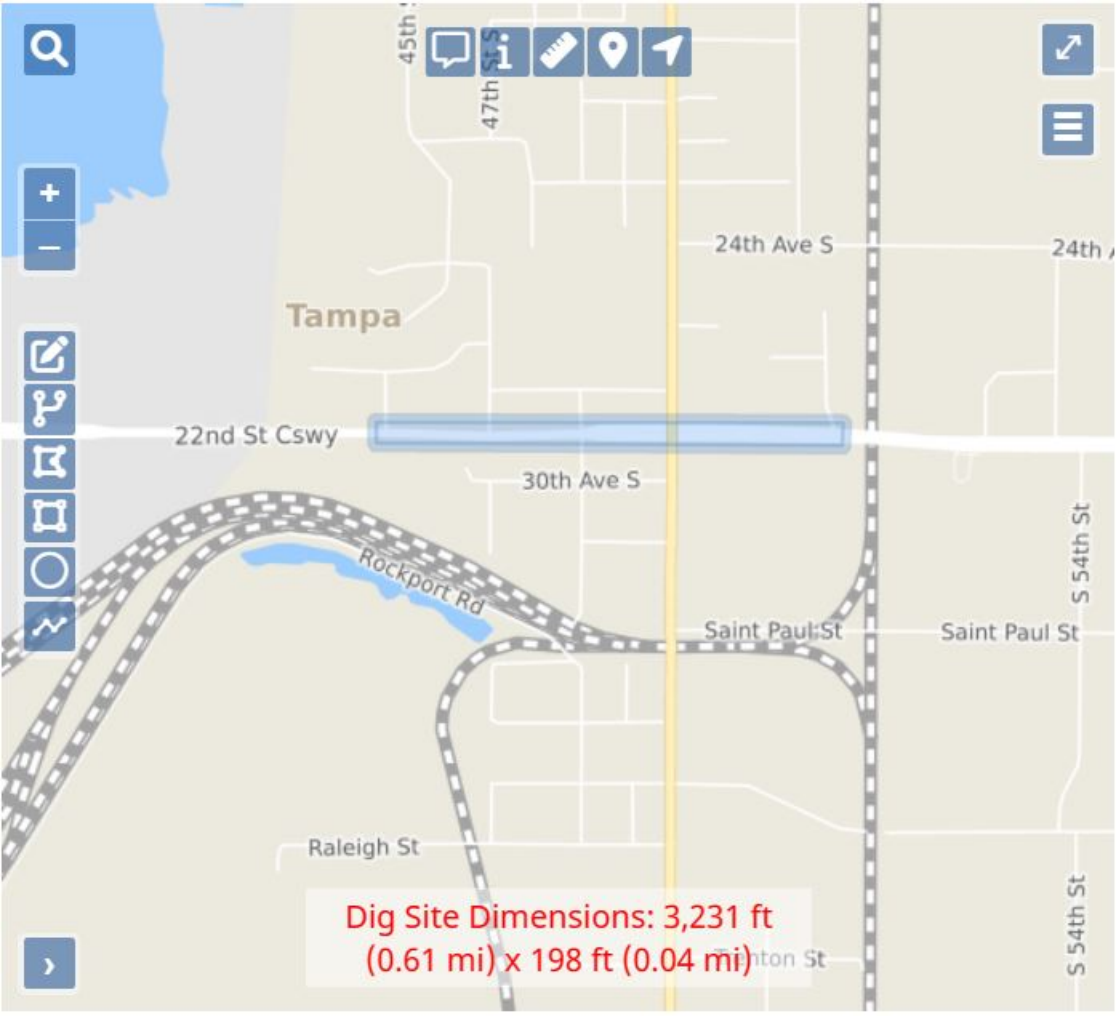
No	AMERICAN LIGHTING AND SIGNALIZATION INC AL2029 * New	LIGHTING	CLIFF DOBSON (813) 267-2186	CLIFF DOBSON (813) 267-2186	CLIFF DOBSON (813) 267-2186	
No	FRONTIER COMMUNICATIONS GT1722	CATV, COMMUNICATION LINES	TONI CANNON (813) 875-1014		AFTER HOURS CRAIG ELLISON, USIC. (800) 575-5594	
No	HILLSBOROUGH COUNTY TRAFFIC SERVICE UNIT HCR409	STREET LIGHTS, TRAFFIC SIGNALS	DARRYLE NORTON	GEORGE AUBEL (813) 927-6751	HILLSBOROUGH COUNTY CUSTOMER SERVICE (813) 744-9650	
No	CENTURYLINK L3C900	FIBER	NETWORK RELATIONS (877) 366-8344 x2	TECH ON DUTY (877) 366-8344 x3	TECH ON DUTY (877) 366-8344 x3	
No	MCI MCIU01	COMMUNICATION LINES, FIBER	ASG INVESTIGATIONS TEAM (800) 624-9675 x2	NATIONAL FIBER SECURITY DEPARTMENT (800) 624-9675	NATIONAL FIBER SECURITY DEPARTMENT (800) 624-9675	
No	TECO PEOPLES GAS-TAMPA PGSTAM	GAS	JOAN DOMNING (813) 275-3783	ROGER ROSELLO (813) 422-2805	TECO PEOPLES GAS CUSTOMER SERVICE** (877) 832-6747	
No	CITY OF TAMPA TRANSPORT TAMP04	TRAFFIC SIGNALS	VIK BHIDE (TRANSPORTATION) (813) 274-8066	ANYONE DISPATCH (813) 274-3101	ANYONE DISPATCH (813) 274-3101	
No	CITY OF TAMPA WATER TAMP06	WATER	WATER MAPS AND AS-BUILTS INFORMATION (813) 274-7109		WATER DEPARTMENT TRIAGE (813) 274-7400	
No	TAMPA BAY PIPELINE CORPORATION TAMPPL	AMMONIA PIPELINE	RANDY HERRON (813) 623-2431	TBPL OPERATOR (813) 623-5815	MARTIN GOODE (813) 623-2431	
No	CITY OF TAMPA SEWER TAMPS1	SEWER	JACK FERRAS (SEWER) (813) 274-8095	DANIEL HITTLE (813) 898-1384	CITY OF TAMPA WASTEWATER COLLECTION (813) 898-1420	
No	TAMPA ELECTRIC COMPANY TECO01	ELECTRIC	ENGINEERING GROUP CSADMIN@TECOENE	LORENZO JONES (813) 275-3427	SYSTEM SERVICE (813) 223-0800	
No	TECO FIBER TF1649	FIBER	ENGINEERING GROUP CSADMIN@TECOENE	PAULETTE BURNETT GASTON (813) 275-3059	SYSTEM SERVICE (813) 223-0800	
No	SPECTRUM SUNSHINE STATE, LLC TW1059	CATV	GENE GREGORY (863) 333-4763	USIC DISPATCH OFFICE (CLS) (800) 778-9140	USIC DISPATCH OFFICE (CLS) (800) 778-9140	


45th St
47th St S
24th Ave S
24th A
Tampa
22nd St Cswy
30th Ave S
Rockport Rd
Saint Paul St
Saint Paul St
S 54th St
Raleigh St
Dig Site Dimensions: 3,231 ft
(0.61 mi) x 198 ft (0.04 mi)
S 54th St

APPENDIX B

Utility Marked Plans/as-Builts and Information

Mosallam
rk Implementation Program Manager [OSP]
pton Oaks Parkway
Tel: 813-60
Cell:
o

STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

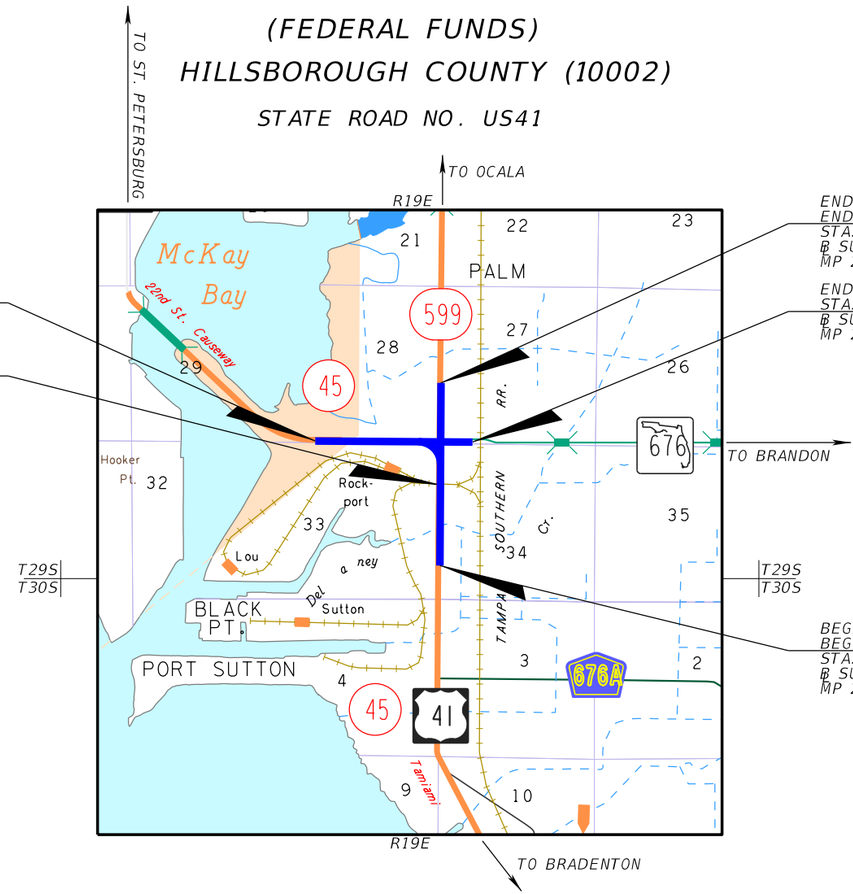
CONTRACT PLANS

FINANCIAL PROJECT ID 440749-1-52-01

(FEDERAL FUNDS)

HILLSBOROUGH COUNTY (10002)

STATE ROAD NO. US41



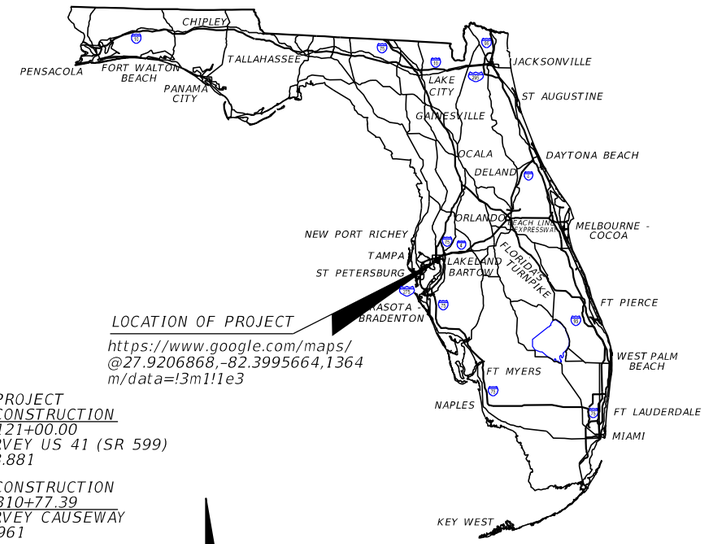
END CONSTRUCTION
STA. 257+60.63
℄ SURVEY CAUSEWAY
MP 3.994

US 41 (SR 45)
CSX CROSSING
STA. 85+46.00
MP 23.271

END PROJECT
END CONSTRUCTION
STA. 121+00.00
℄ SURVEY US 41 (SR 599)
MP 23.881

END CONSTRUCTION
STA. 310+77.39
℄ SURVEY CAUSEWAY
MP 2.961

BEGIN PROJECT
BEGIN CONSTRUCTION
STA. 58+31.17
℄ SURVEY US 41 (SR. 45)
MP 22.756



LOCATION OF PROJECT

https://www.google.com/maps/@27.9206868,-82.3995664,1364m/data=!3m1!1e3

N

0 ½ 1

Mile

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2021-22 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

APPLICABLE IRs: N/A

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

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

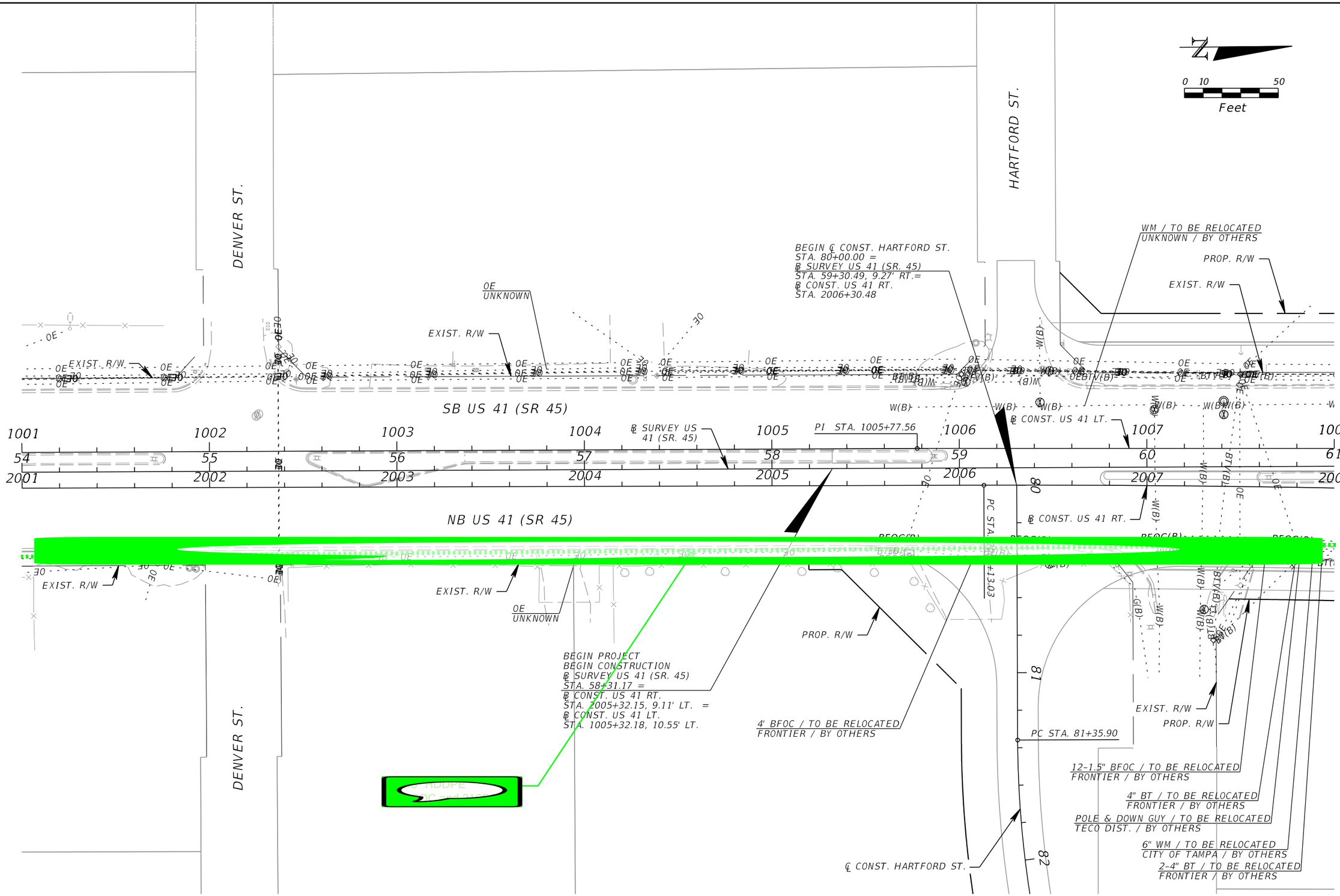
ROADWAY PLANS ENGINEER OF RECORD:

BRANAN R. ANDERSON, P.E. NO.: 78438
KISINGER CAMPO AND ASSOCIATES CORP.
CONSULTING ENGINEERS & PLANNERS
201 N. FRANKLIN STREET, SUITE 400
TAMPA, FLORIDA 33602
(813) 871-5331
VENDOR NUMBER.: F59-1677145

FDOT PROJECT MANAGER:

TIM O'BRIEN P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	21	1



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (1)

SHEET NO.

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

N

0 10 50

Feet

TRENTON ST.

BEGIN ℄ CONST. RAMP A
PC STA. 200+00.00 =
℄ SURVEY US 41 (SR. 45).
STA. 65+27.85, 51.80' LT.
℄ CONST. US 41 LT.
STA. 2012+26.37, 48.00' LT.

℄ CONST. RAMP A

PROP. R/W

EXIST. R/W

WM / TO BE RELOCATED
UNKNOWN / BY OTHERS

OE
UNKNOWN

PROP. R/W

EXIST. R/W

4" GAS / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

Vvh1-5

℄ CONST. US 41 LT.

PC STA. 1009+51.21

℄ SURVEY US
41 (SR. 45)

SB US 41 (SR 45)

1008 1009 1010 1011 1012 1013 1014 1015

61 62 63 64 65 66 67 68

200 201 202 301

2009 2010 2011 2012 2013

EXIST. R/W

PROP. R/W

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

WATER METER / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

6" WM / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

HANDHOLE / TO BE RELOCATED
FRONTIER / BY OTHERS

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

TRENTON ST.

WATER VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

OE
UNKNOWN

EXIST. R/W

BEGIN ℄ CONST. RAMP B
POT STA. 300+00.00 =
℄ SURVEY US 41 (SR. 45)
STA. 66+47.55, 78.74' RT. =
℄ CONST. US 41 RT.
STA. 2013+51.78, 36.00' RT.

PROP. R/W

℄ CONST. RAMP B

WATER METER / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

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Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (2)

SHEET NO.

DELANEY CREEK

RALEIGH ST.

N

0 10 50
Feet

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

WATER VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

PROP. R/W

OE
UNKNOWN

WM / TO BE RELOCATED
UNKNOWN / BY OTHERS

℄ CONST. RAMP A

EXIST. R/W

PRC STA. 204+62.42

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

PROP. R/W

BEGIN ℄ CONST. FRONTAGE RD. LT.
PC STA. 10+00.00 =
END ℄ CONST. RAMP A
PT STA. 206+57.71

EXIST. R/W

4" GAS / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

℄ CONST. FRONTAGE RD. LT.

PULL BOX / TO BE RELOCATED
TECO DIST. / BY OTHERS

PRC STA. 12+28.24

203 204 205 206 10 11 12 13

68 69 70 71 72 73 74 75

1015 1016 1017 1018 1019 1020 1021 1022

℄ SURVEY US
41 (SR. 45)

HANDHOLE / TO BE RELOCATED
FRONTIER / BY OTHERS

℄ CONST. US 41 LT.
SB US 41 (SR 45)

WATER VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

PRC STA. 1016+81.47

PRC STA. 2015+74.95

2017 2019 2020 2021 2022

EXIST. R/W
JUNCTION BOX / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

HANDHOLE / TO BE RELOCATED
FRONTIER / BY OTHERS

EXIST. R/W

℄ CONST. US 41 RT.

NB US 41 (SR 45)

PC STA. 301+60.11

302 303 304 305 306 307 308

℄ CONST. RAMP B

PRC STA. 306+86.13

2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

6" WM / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

WATER METER / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

PROP. R/W

HANDHOLE / TO BE RELOCATED
FRONTIER / BY OTHERS

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

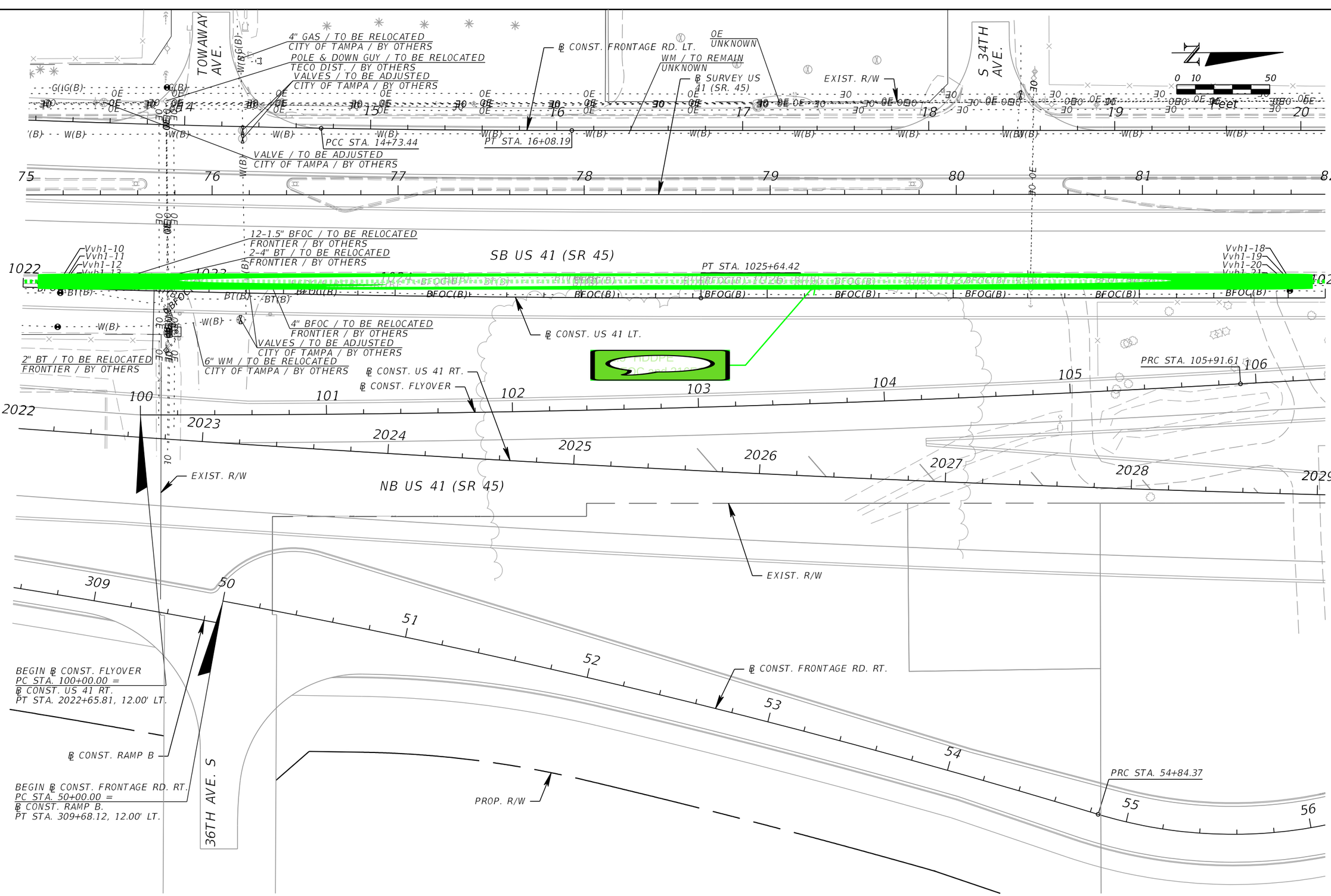
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (3)

SHEET NO.



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P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (4)

SHEET NO.

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dgrumbach 4/30/2021 11:21:55 AM Default c:\pwworkingdir\kca-pw.bentley.com_kca-pw-01\dean grumbach\dms07001\UTADRD05.dgn

END ℄ CONST. FRONTAGE RD. RT.
STA. 61+15.96
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
WM / TO REMAIN
UNKNOWN
℄ CONST. FRONTAGE RD. LT.
BEGIN ℄ CONST. ST. PAUL ST.
STA. 70+00.00
OE
UNKNOWN
℄ SURVEY US
41 (SR. 45)
OE
UNKNOWN
MANHOLE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
PULL BOX / TO BE RELOCATED
FRONTIER / BY OTHERS
POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS
VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
EXIST. R/W
SB US 41 (SR 45)
℄ CONST. US 41 LT.
PT STA. 59+50.64
PT STA. 112+54.86
BEGIN ℄ CONST.RAMP D
POTSTA. 500+00.00 =
℄ CONST. ST. PAUL ST.
STA. 72+12.39
℄ CONST. FLYOVER
EXIST. R/W
℄ CONST. US 41 RT.
℄ CONST. RAMP D
PCC STA. 2035+28.48
NB US 41 (SR 45)
℄ CONST. FRONTAGE RD. RT.
PROP. R/W
CSX CROSSING
NO. 624802A
PROP. R/W
BEGIN ℄ CONST. RAMP C
POT STA. 400+00.00 =
℄ CONST. ST. PAUL ST.
STA. 73+42.31
PI STA. 73+87.06
ST. PAUL ST.
℄ CONST. ST. PAUL ST.
PROP. R/W
℄ CONST. RAMP C

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (5)

SHEET NO.

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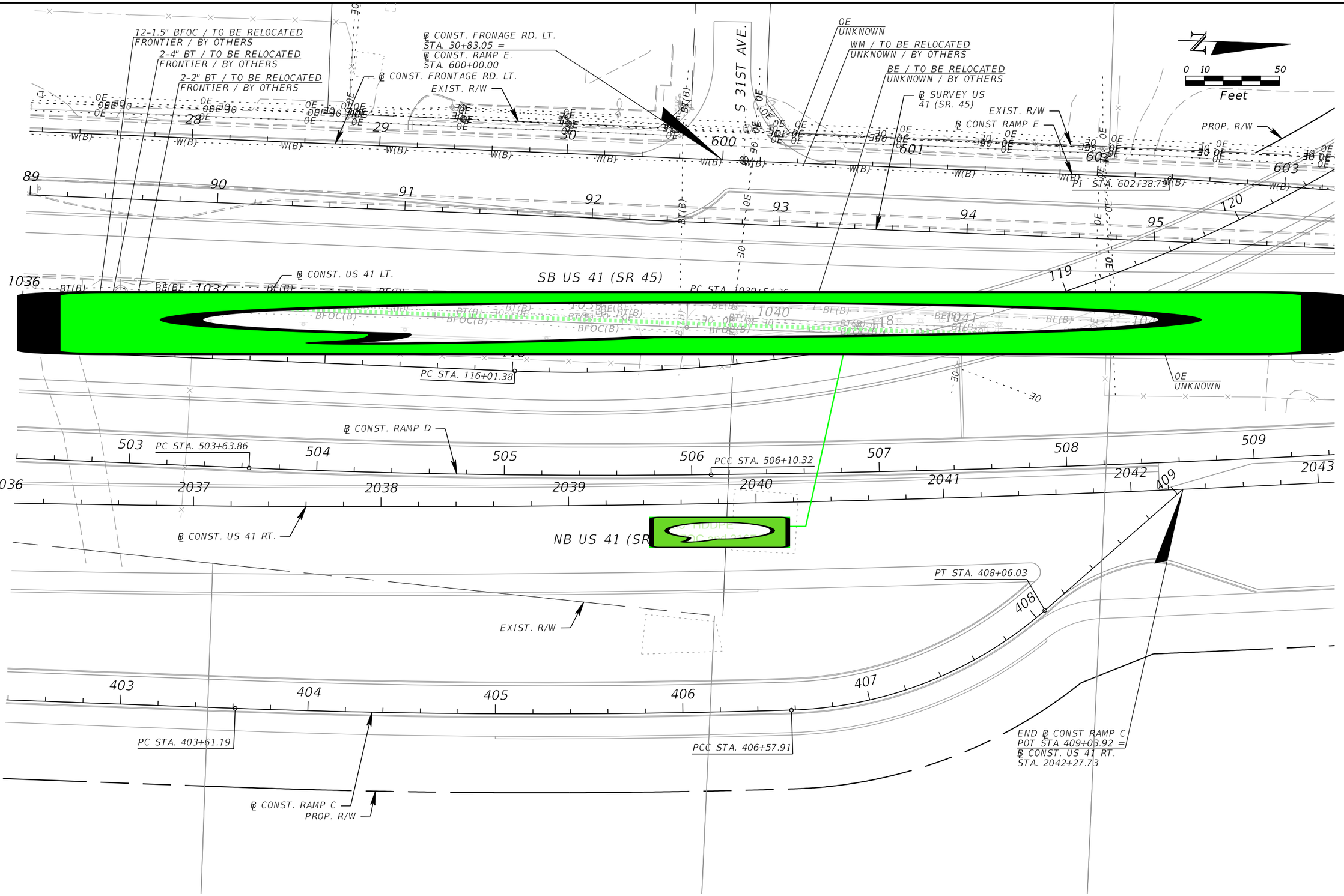

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Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (6)

SHEET NO.

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EXIST. R/W
℄ CONST. FLYOVER
PROP. R/W
30TH AVE. S
122
121
MATCHLINE STA. 122+25.00
MATCHLINE STA. 4046+25.00
VALVE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
WM / TO BE RELOCATED
UNKNOWN / BY OTHERS
POLE / TO BE RELOCATED
TECO DIST. / BY OTHERS
℄ CONST. RAMP E
STA. 607+06.20 =
℄ SURVEY CAUSEWAY
STA. 299+71.72
℄ SURVEY US 41 (SR. 45)
STA. 99+75.43 =
℄ CONST. CAUSEWAY RT.
STA. 4048+03.05
PI STA. 604+02.52
VALVE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
℄ SURVEY US 41 (SR. 45)
PI STA. 300+00.14
BFOC / FRONTIER
UNKNOWN
SS
UNKNOWN
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
℄ SURVEY US 41 (SR. 599)
STA. 101+36.88 =
℄ CONST. CAUSEWAY LT.
STA. 3047+02.40
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
OE
UNKNOWN
EXIST. R/W
0 10 50
Feet
BE / TO BE RELOCATED
UNKNOWN / BY OTHERS
SB US 41 (SR 45)
NB US 41 (SR 45)
℄ CONST. RAMP D
PT STA. 512+60.55
PULL BOX / TO BE RELOCATED
FRONTIER / BY OTHERS
℄ CONST. US 41 RT.
FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
MANHOLE / TO BE RELOCATED
UNKNOWN / BY OTHERS
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
PROP. R/W
12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
BT / TO BE RELOCATED
UNKNOWN / BY OTHERS
END ℄ CONST. RAMP D
POT STA. 513+22.79 =
℄ CONST. US 41 RT.
STA. 2046+89.83, 16.38' LT.
VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
OE
UNKNOWN
℄ SURVEY CAUSEWAY
STA. 300+23.34 =
℄ CONST. US 41 LT.
STA. 1047+02.68
℄ SURVEY CAUSEWAY
STA. 300+79.91 =
℄ CONST. US 41 RT.
STA. 2047+10.05
EXIST. R/W
PROP. R/W
MATCHLINE STA. 4050+50.00

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

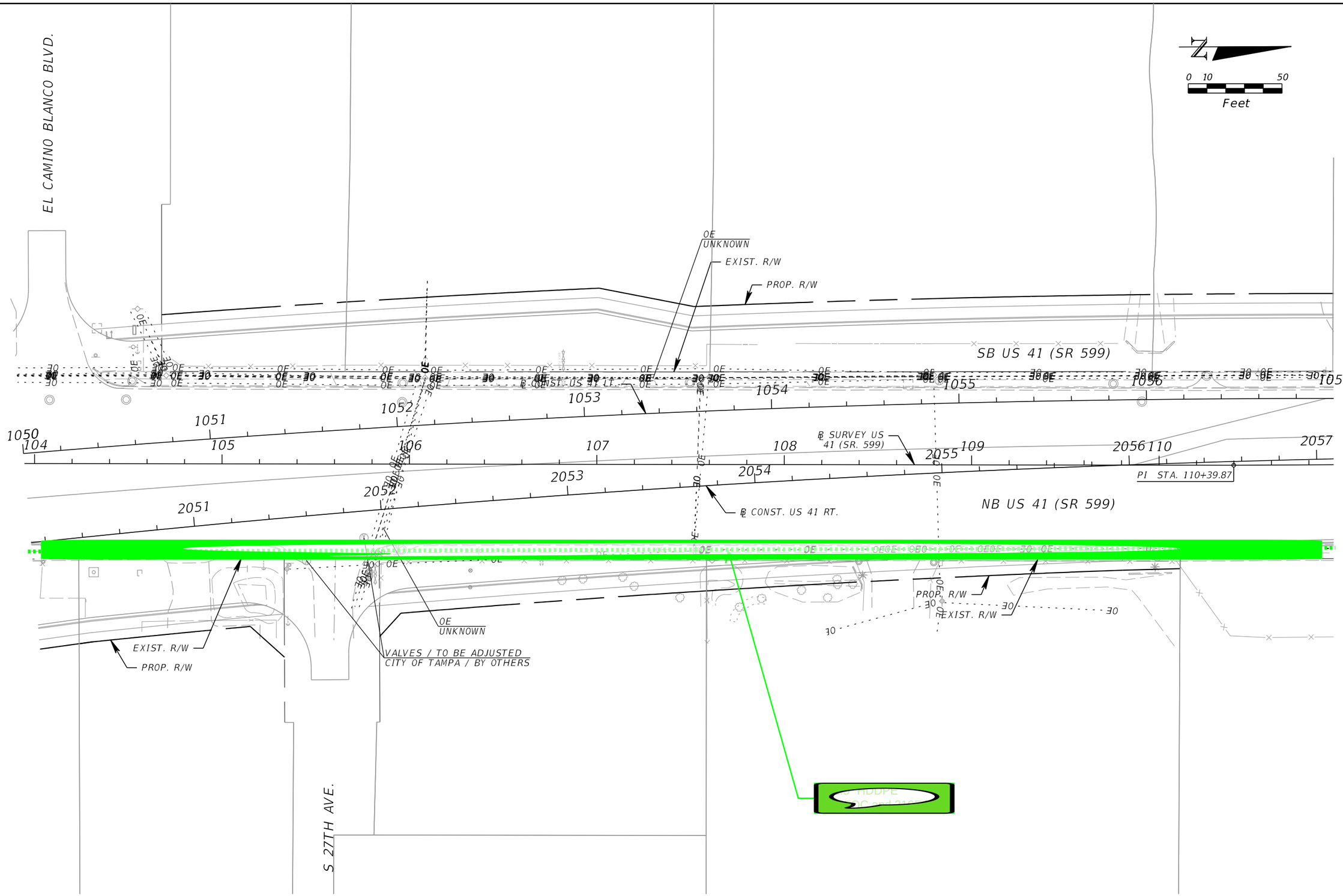
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (7)

SHEET NO.



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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (8)

SHEET NO.

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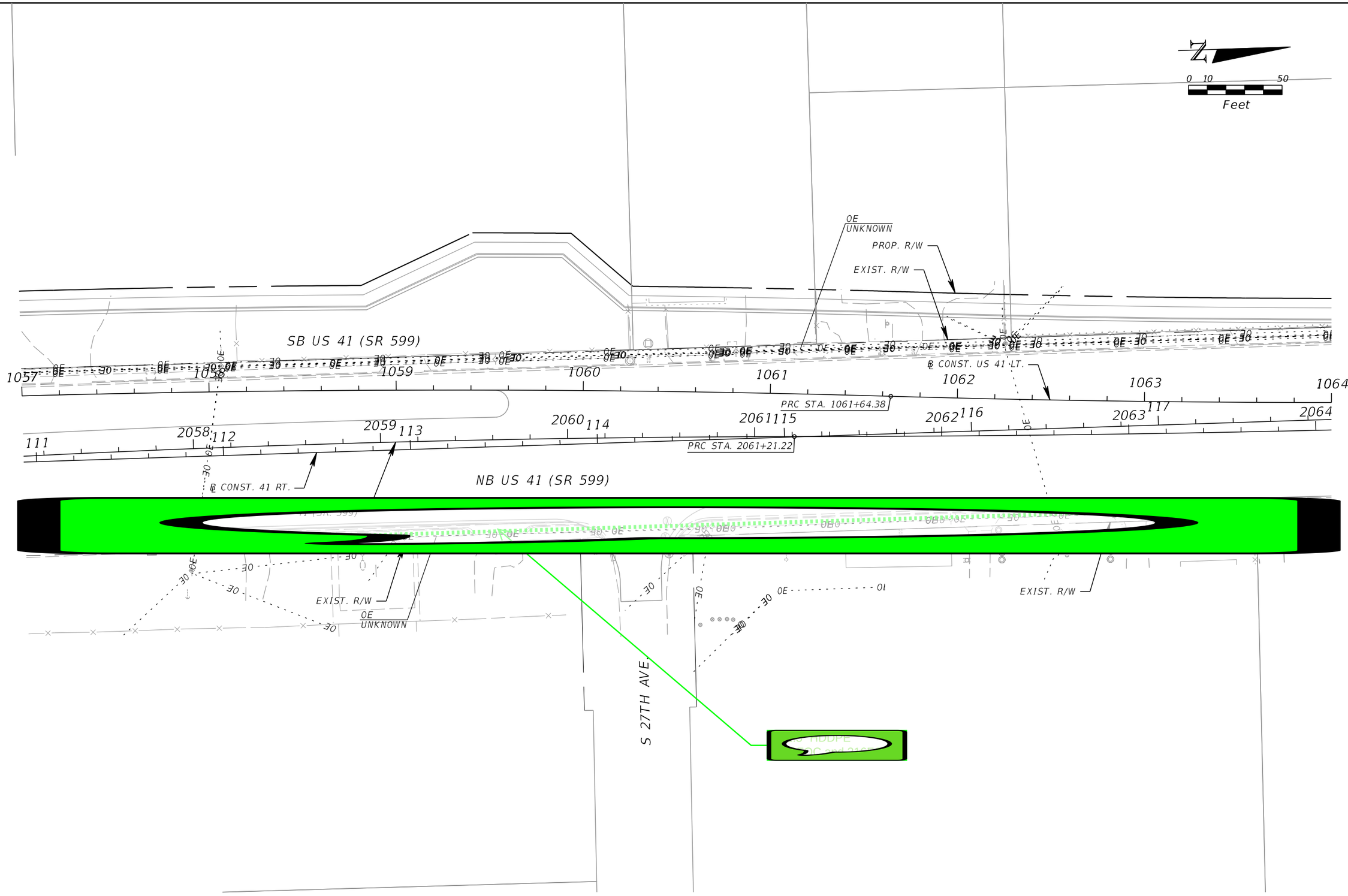

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (9)

SHEET NO.

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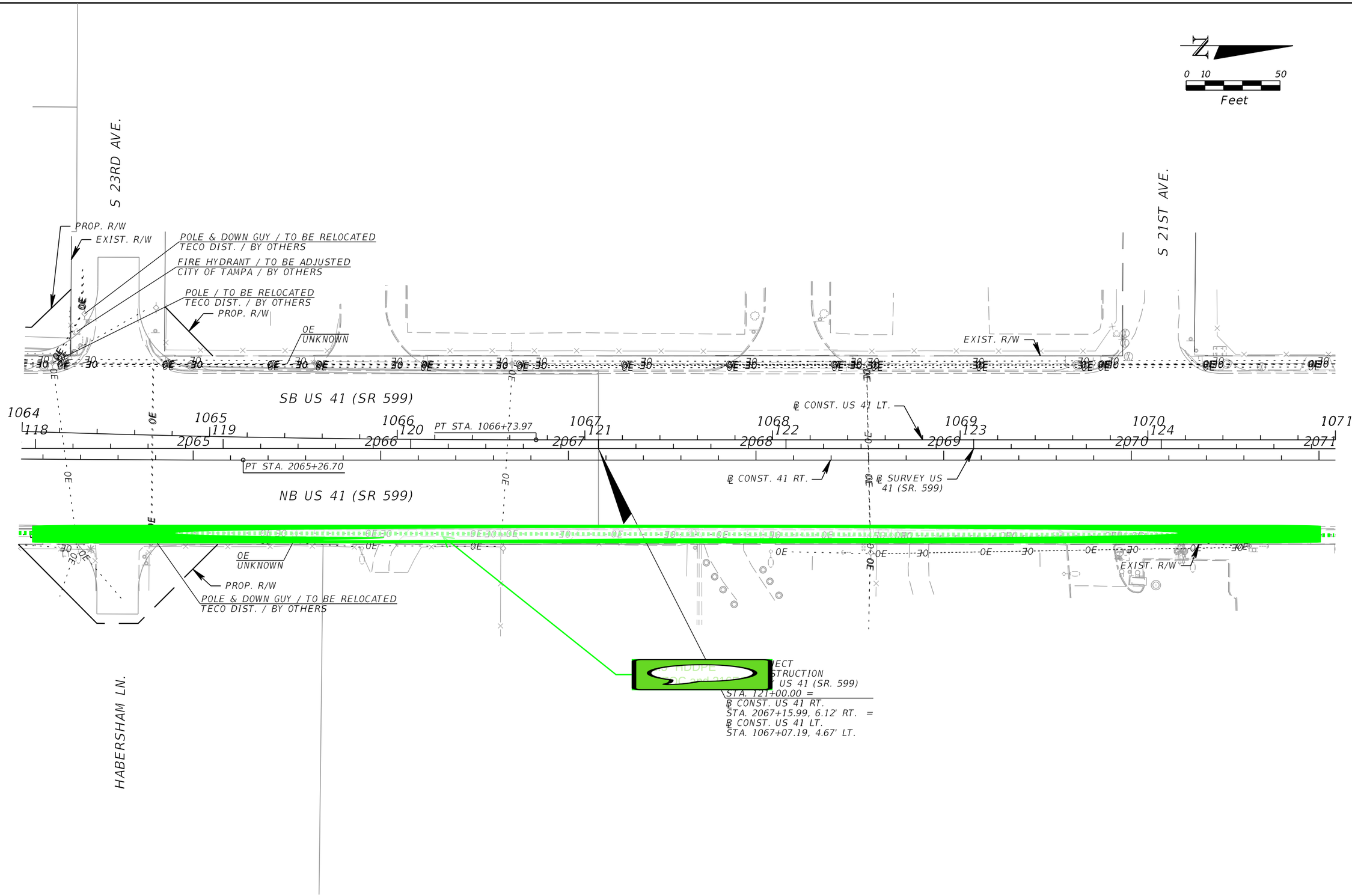

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (10)

SHEET NO.

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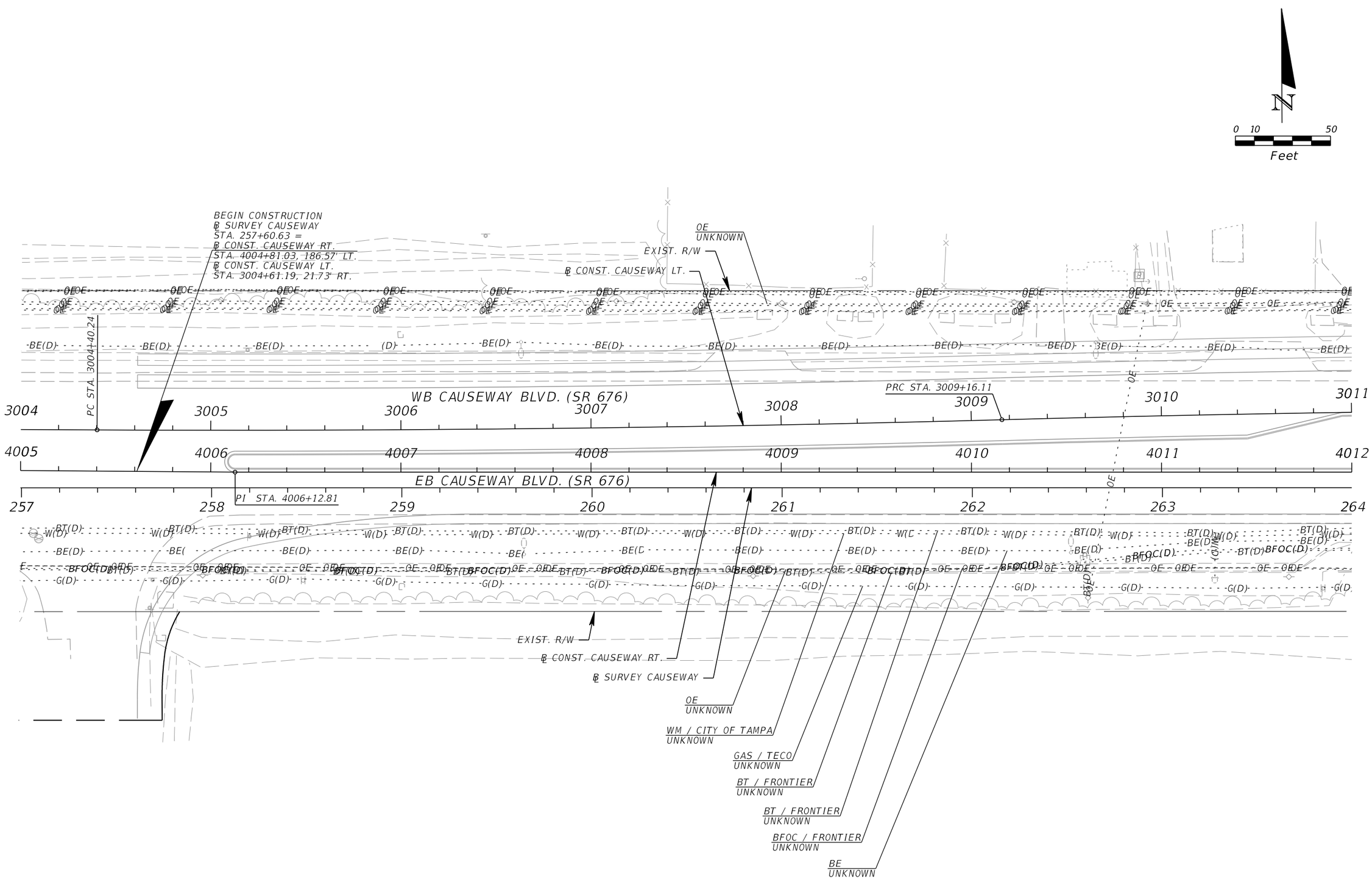

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (11)

SHEET NO.

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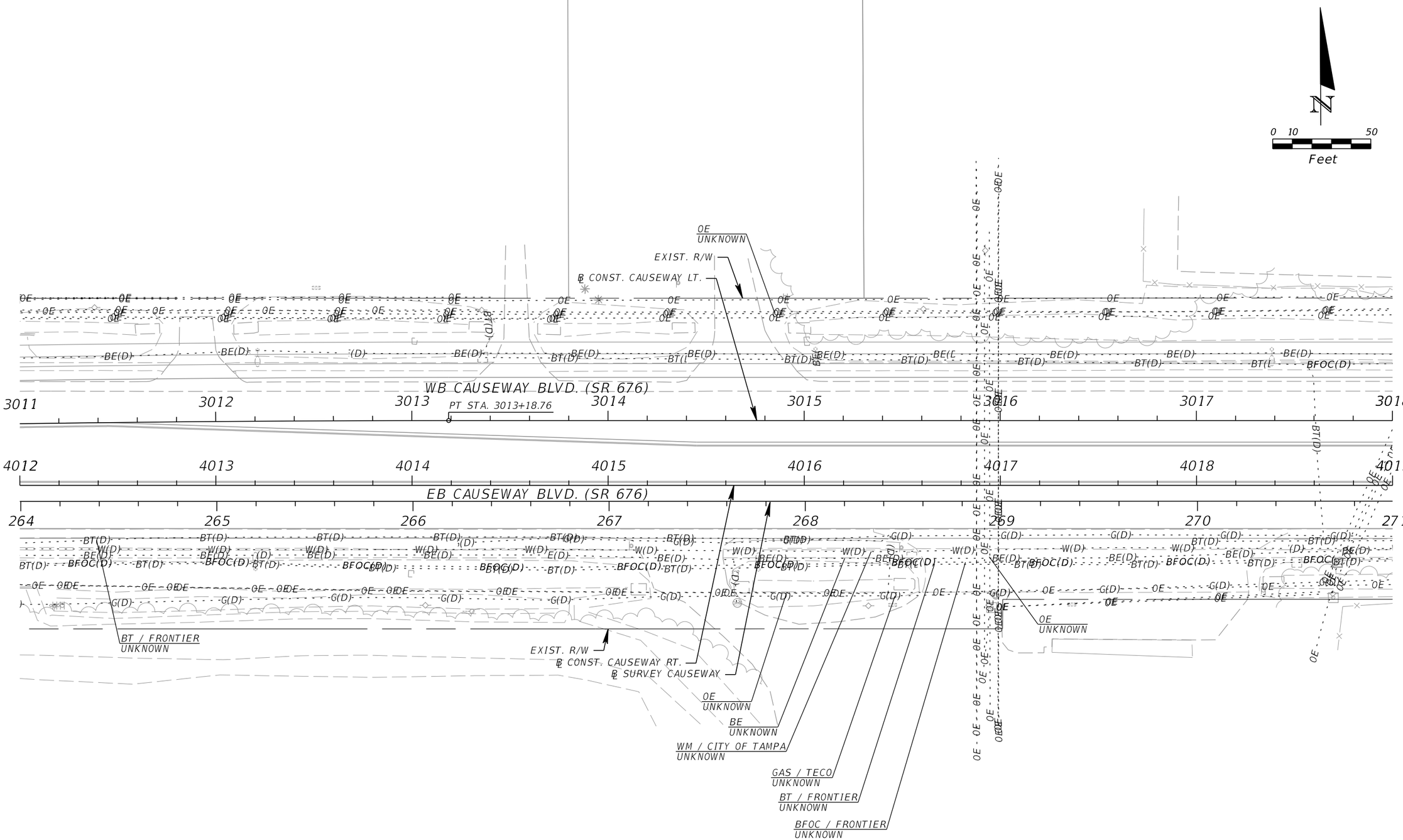

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (12)

SHEET NO.

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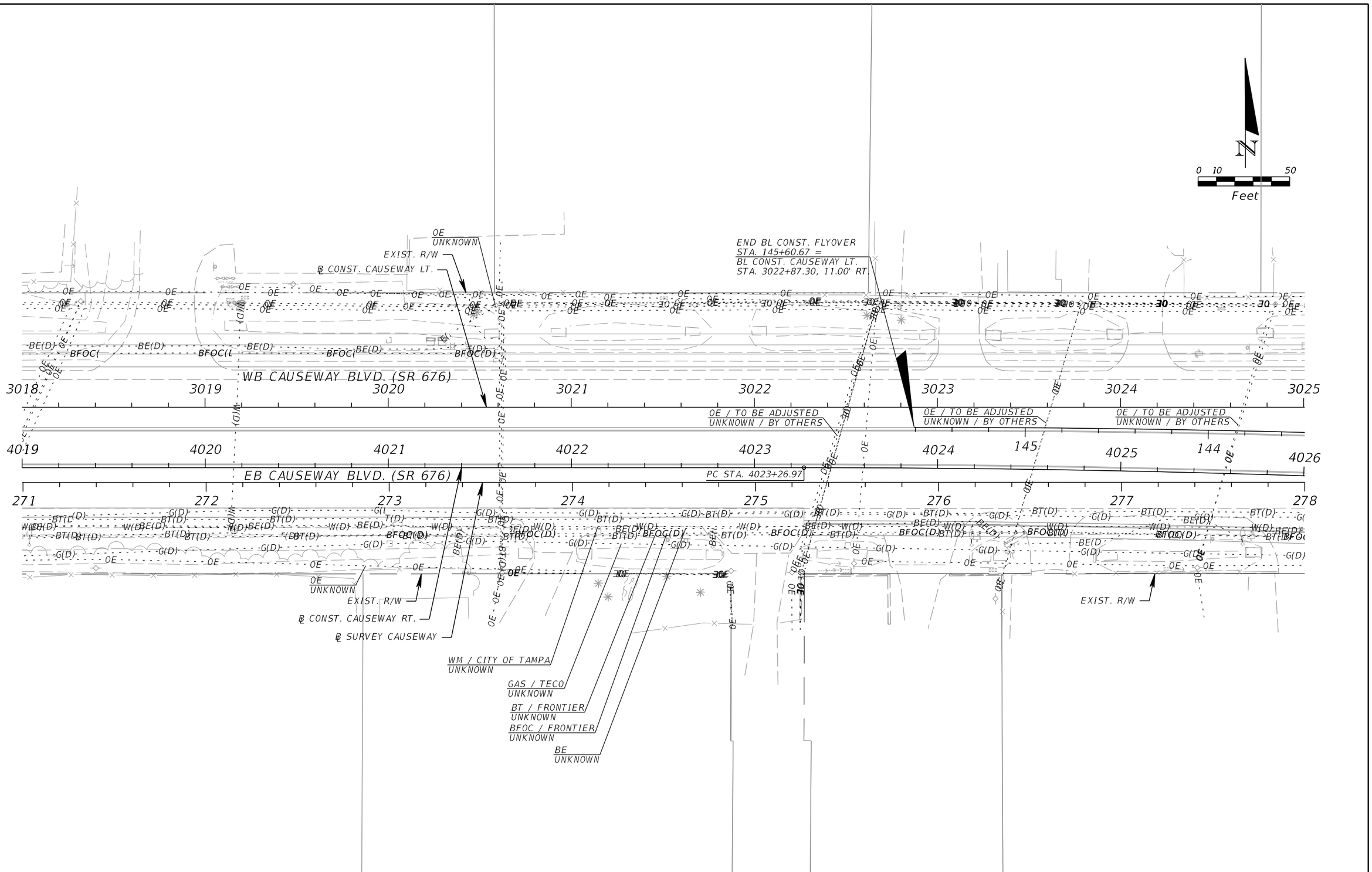

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UTILITY ADJUSTMENTS (13)

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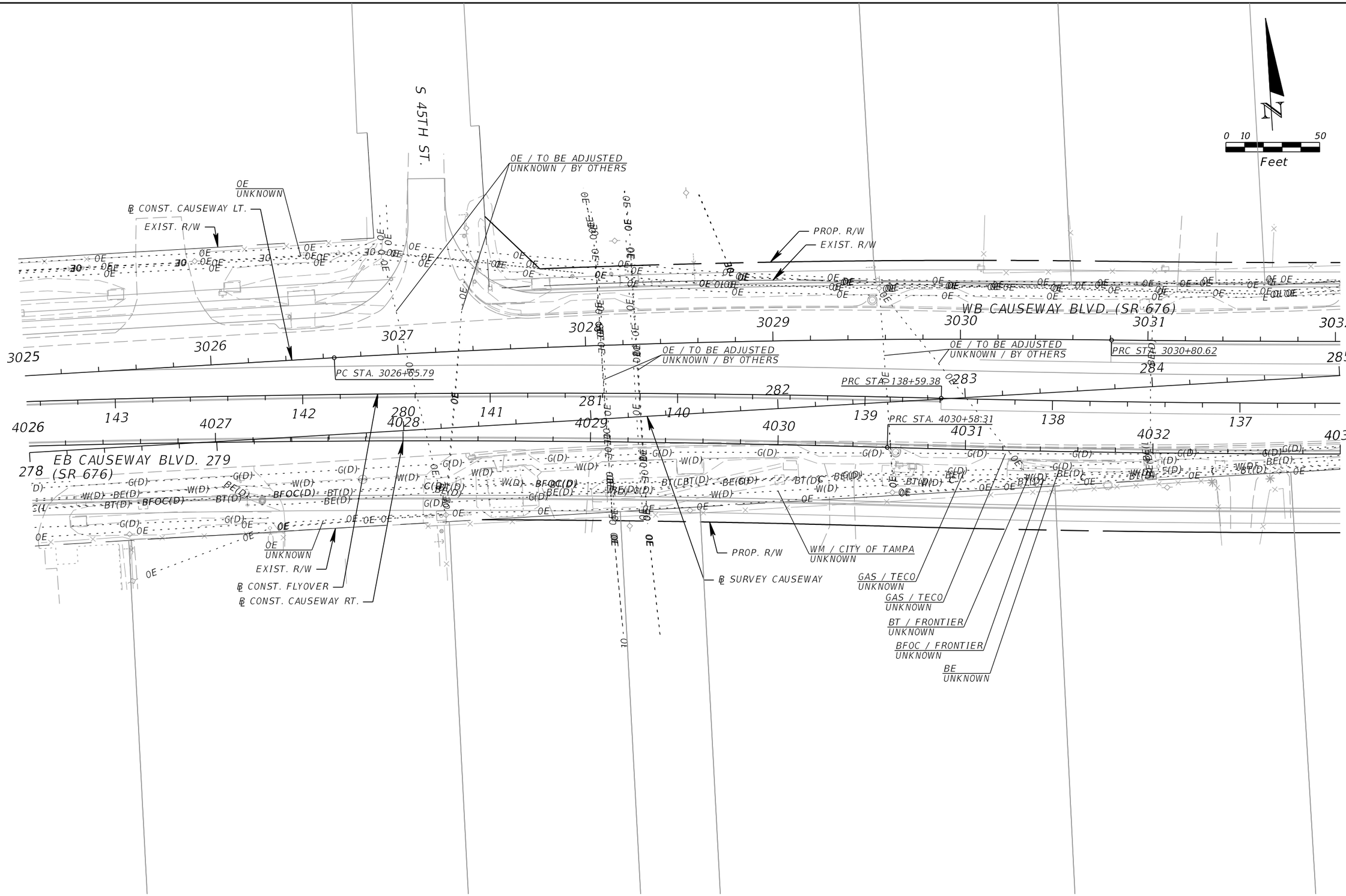

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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (14)

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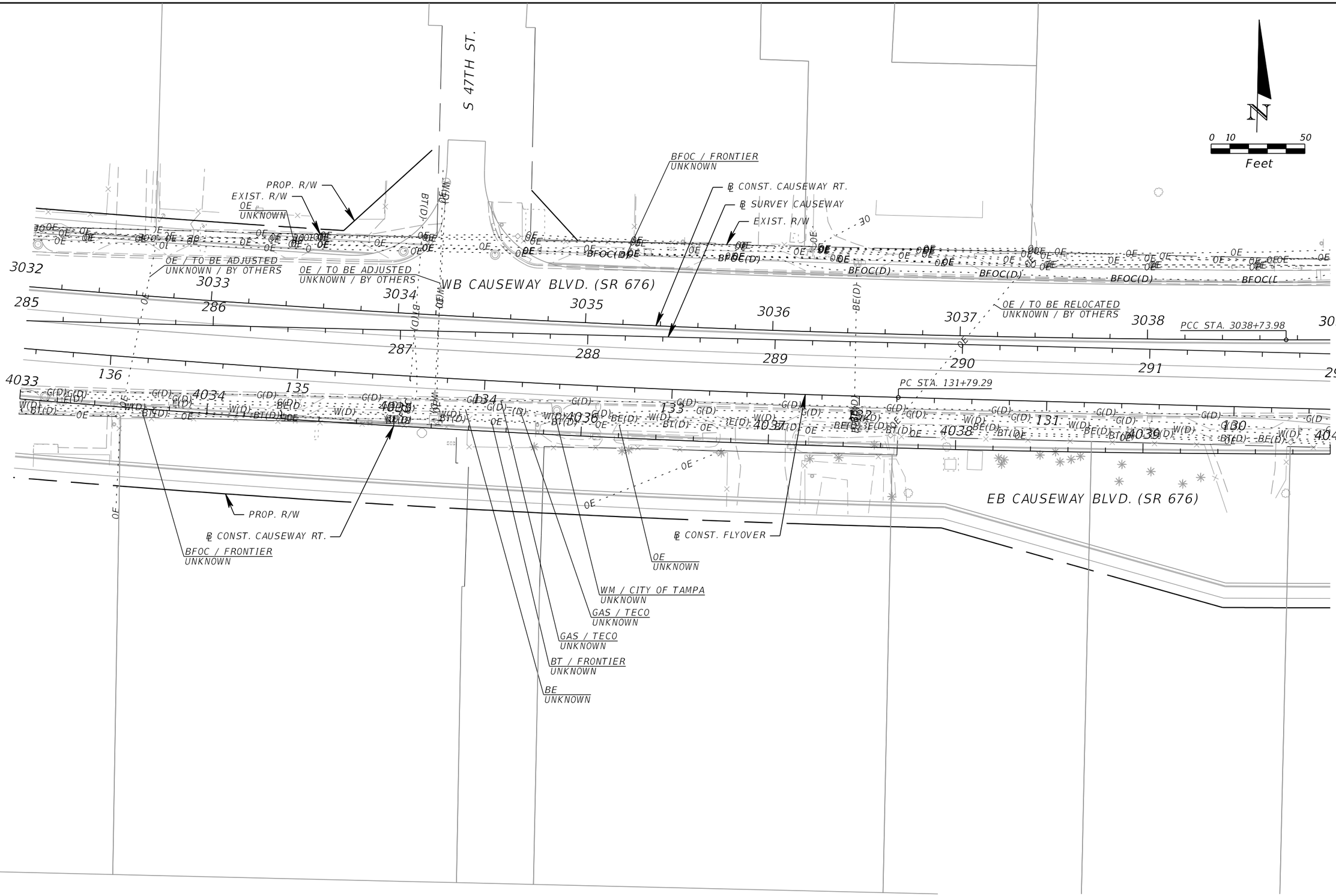

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SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (15)

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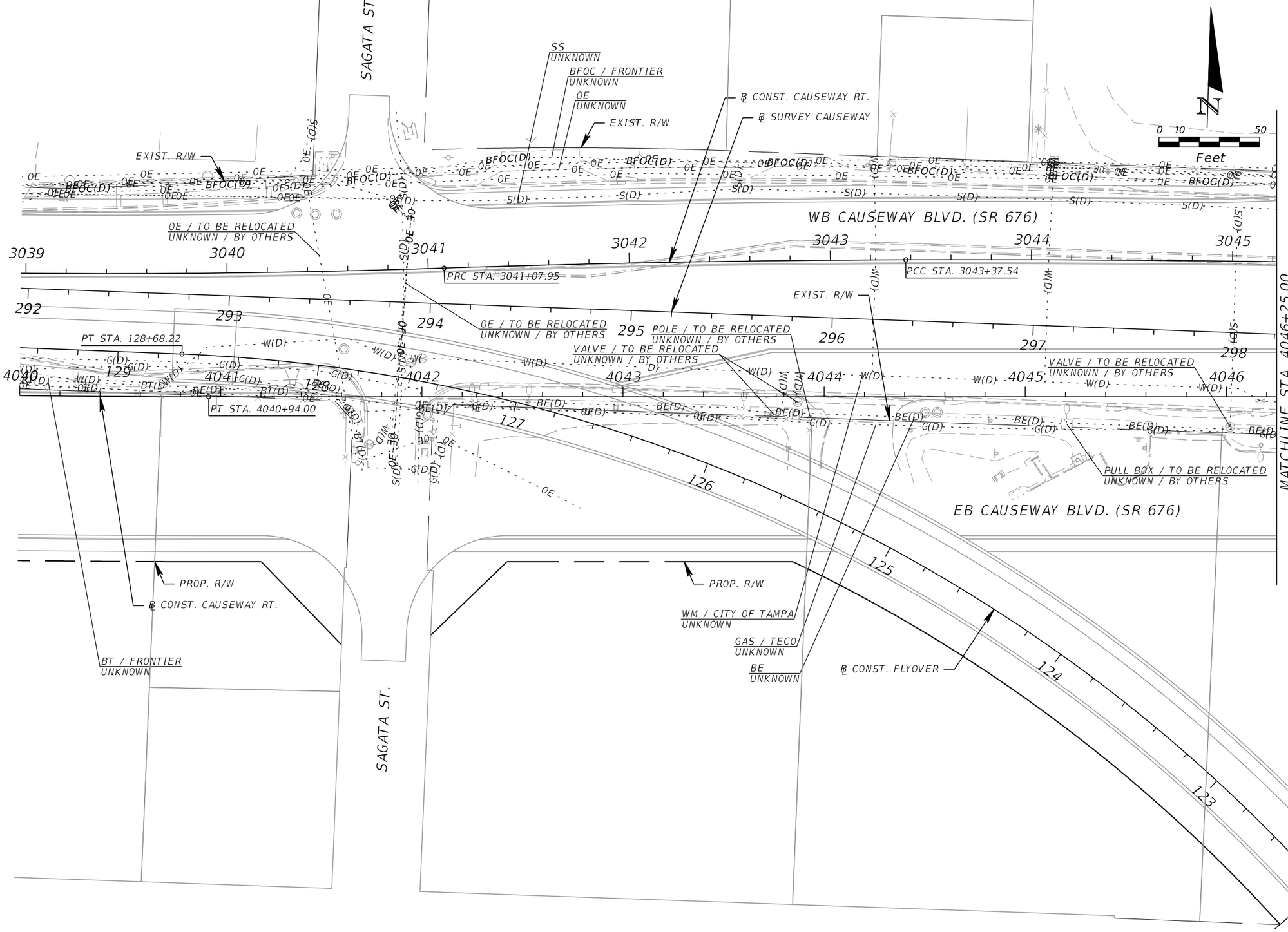

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (16)

SHEET NO.

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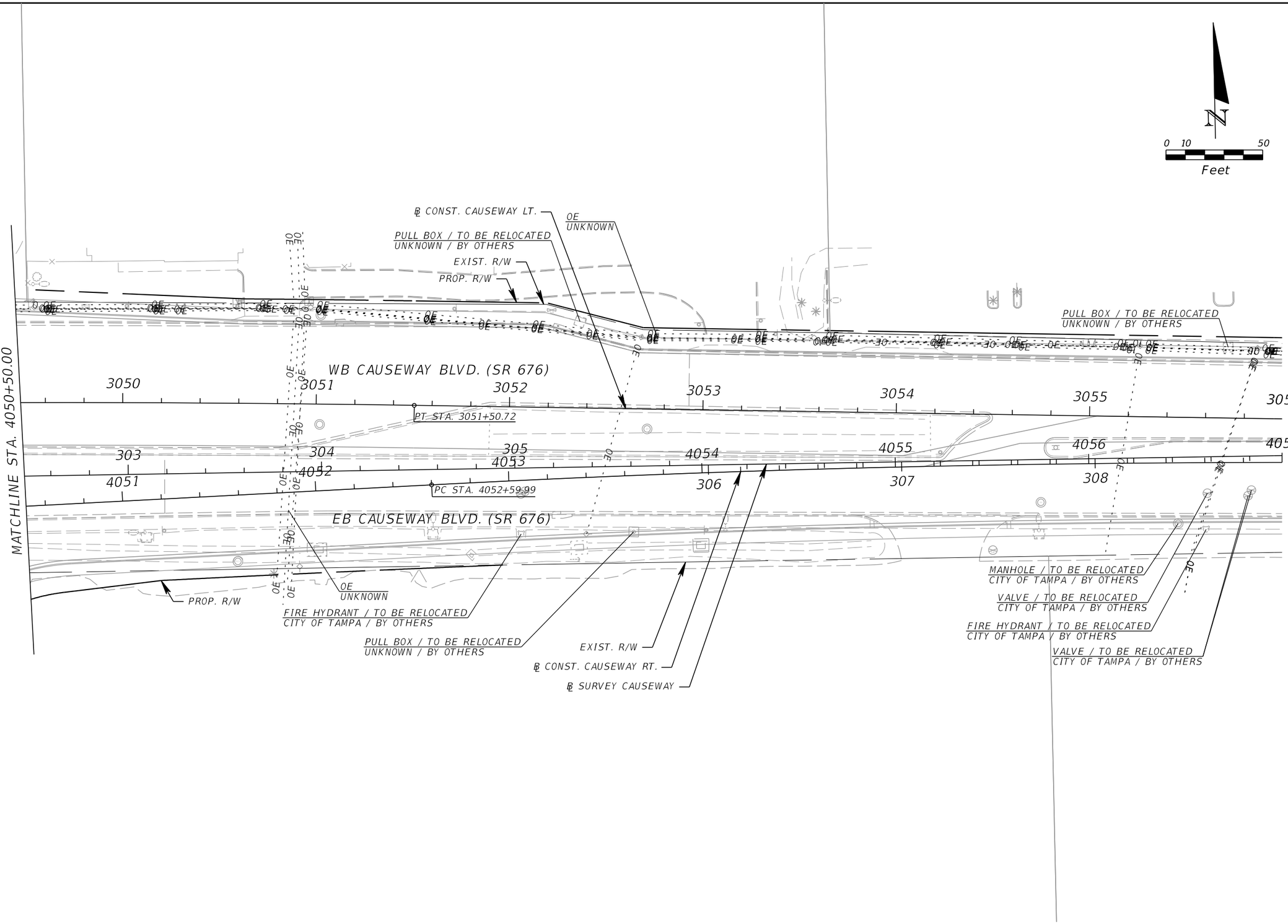

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (17)

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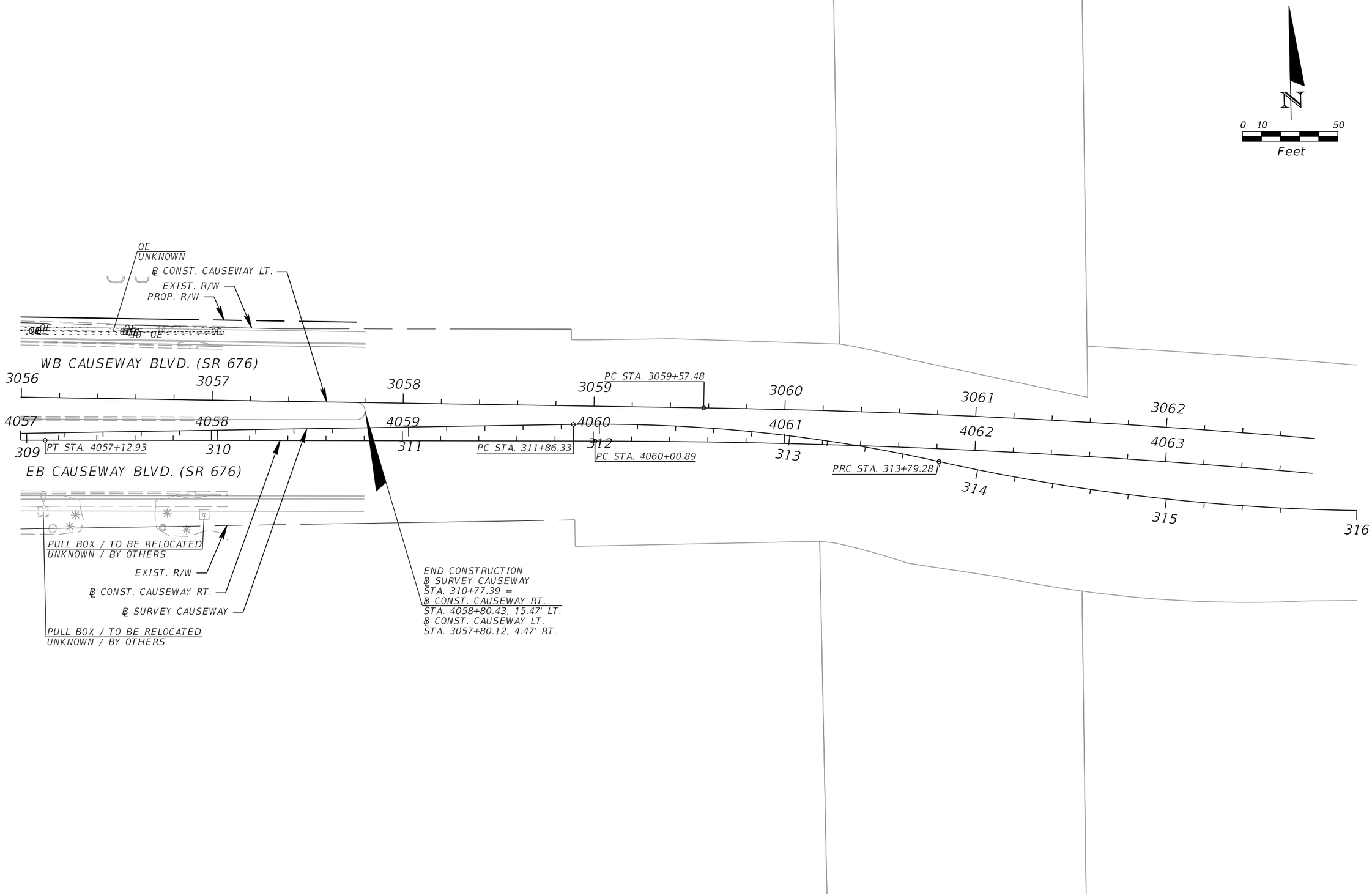

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (18)

SHEET NO.

Date:	12/04/2018	Test Hole Data Report	Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	General Location:	US 41
Truck No.:	D-3/T-2	ECHO UTILITY ENGINEERING & SURVEY	Coordinate Unit of Measure:	US Survey Feet

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888.778.ECHO
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Utility Type			Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Horizontal: NAD83/11 Vertical: NAVD88 — Northing	Easting	Ground Elevation	Utility Elevation
1-1	BT	PVC	2 - 4"	3.26'			IRC	NG	N/A	FRONTIER	1301204.90'	526413.67'	7.51'	4.25'
1-2	WM	CI	6"	3.30'			IRC	NG	N/A	COT	1301205.19'	526416.74'	7.48'	4.18'
1-3	FOC/BT	PVC	4"	2.47'			IRC	NG	N/A	FRONTIER	1301204.95'	526415.25'	7.48'	5.01'
1-4	FOC	PE	12 - 1.5"	8.80'			IRC	NG	N/A	FRONTIER	1301205.12'	526418.96'	7.36'	-1.44'
1-5	CATV	PVC	2 - 2"	5.54'			IRC	NG	N/A	SPECTRUM	1301181.11'	526321.06'	6.85'	1.31'
1-6	BT	PVC	2 - 4"	3.44'			IRC	NG	N/A	FRONTIER	1301811.38'	526417.02'	6.84'	3.40'
1-7	FOC/BT	PVC	4"	2.42'			IRC	NG	N/A	FRONTIER	1301811.47'	526418.97'	6.84'	4.42'
1-8	WM	UNK	UNK	10.06'			IRC	NG	N/A	COT	1301810.12'	526422.34'	6.83'	-3.23'
1-9	FOC/BT	PVC	4"	3.34'			IRC	NG	N/A	FRONTIER	1301810.56'	526424.00'	6.49'	3.15'

Notes: 1-8 - Unable to visually verify size and matterial due to depth and groundwater. Possible 6" cast iron.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (19)

SHEET NO.

Date:	12/05/2018	Test Hole Data Report	Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	General Location:	US 41
Truck No.:	D-3/T-2	ECHO UTILITY ENGINEERING & SURVEY	Coordinate Unit of Measure:	US Survey Feet

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Utility Type			Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
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BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
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SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
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Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Northing	Datums: Easting (Horizontal: NAD83/11, Vertical: NAVD88)	Ground Elevation	Utility Elevation
1-10	FOC	PE	12 - 1.5"	3.96'			IRC	NG	N/A	FRONTIER	1302430.03'	526421.52'	6.62'	2.66'
1-11	BT	PVC	2 - 4"	2.50'			IRC	NG	N/A	FRONTIER	1302430.50'	526424.77'	6.68'	4.18'
1-12	FOC/BT	PVC	4"	1.90'			IRC	NG	N/A	FRONTIER	1302430.47'	526425.15'	6.69'	4.79'
1-13	BT	DBC	2"	1.56'			IRC	NG	N/A	FRONTIER	1302430.15'	526428.11'	6.81'	5.25'
1-14	WM	DIP	6"	3.40'			IRC	NG	N/A	COT	1302428.62'	526446.38'	8.20'	4.80'
1-15	GM	STL	4"	3.00'			IRC	NG	N/A	COT	1302488.18'	526318.06'	6.08'	3.08'
1-16	BT	PVC	4"	3.50'			IRC	NG	N/A	FRONTIER	1301205.22'	526417.96'	7.50'	4.00'
1-17	BT	DBC	2"	3.00'			IRC	NG	N/A	FRONTIER	1301810.09'	526422.72'	6.80'	3.80'

Notes:

Prepared by: EE *Date: 02/12/2019*

Checked by: AB *Date: 02/12/2019*

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P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (20)

SHEET NO.

Date:	12/06/2018	Test Hole Data Report	Crew Members:	DW, TG, MAJ
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618 / 1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708 — ECHO UTILITY ENGINEERING & SURVEY — ECHO UES, Inc. www.echoues.com 888.778.ECHO - GROW, INSPIRE, MAKE A DIFFERENCE-	City, State:	Tampa, Florida
Financial Project #:	N/A		General Location:	US 41
Truck No.:	D-3/T-2		Coordinate Unit of Measure:	US Survey Feet

Utility Type		Utility Material		Identified By:	Abbreviations	Offset Measured From:
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GM = Gas Main	SL = Street Light	CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal	CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line	DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
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SAN = Sanitary Sewer	WS = Water Service	CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility	CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct	DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct	DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Datums: Horizontal: NAD83/11; Vertical: NAVD88

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Northing	Easting	Ground Elevation	Utility Elevation
1-18	BT	PVC	2 - 4"	3.82'			IRC	NG	N/A	FRONTIER	1303091.15'	526425.13'	7.04'	3.22'
1-19	FOC/BT	PVC	4"	2.54'			IRC	NG	N/A	FRONTIER	1303091.17'	526425.73'	6.99'	4.45'
1-20	BT	LEAD	2 - 2"	3.00'			IRC	NG	N/A	FRONTIER	1303091.09'	526427.92'	6.86'	3.86'
1-21	FOC	UNK	12 - 1.5"	9.22'			IRC	NG	N/A	FRONTIER	1303091.01'	526430.76'	6.58'	-2.64'
1-22	BT	LEAD	2 - 2"	2.00'			IRC	NG	N/A	FRONTIER	1303695.15'	526432.46'	6.77'	4.77'
1-23	BT	PVC	2 - 4"	2.76'			IRC	NG	N/A	FRONTIER	1303695.20'	526433.46'	6.70'	3.94'
1-24	BT	LEAD	2 - 2"	2.74'			IRC	NG	N/A	FRONTIER	1304500.45'	526435.53'	7.28'	4.54'

Notes: 1-21 - Unable to visually verify size and material due to depth and groundwater. Possibly 12 - 1.5" polyethylene pipes.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (21)

SHEET NO.

THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh AND Vvh) ARE INVESTIGATION TECHNIQUES AND SHOULD BE APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELE AT THE POINTS SHOWN. INTERPOLATIONS BETW HAVE NOT BEEN VERIFIED.

COT Mark-Up Legend

	Valve	Hydrant	Water Meter	DDCV	Plug or Reducer
GREEN (Existing or to Remain)	⊗		M		
RED (To be Removed; HORIZONTAL Relocation; Placed Out of Service)	⊗		M		
BROWN (VERTICAL Relocation (with same Horizontal position); New Proposed Utilities)	⊗		M		

0 10 50
Feet

STREET

DENVER ST.

50TH STREET

HARTFORD STREET

HARTFORD ST.

BEGIN ℄ CONST. HARTFORD
STA. 80+00.00 =
℄ SURVEY US 41 (SR. 45)
STA. 59+30.49, 9.27' RT.=
℄ CONST. US 41 RT.
STA. 2006+30.48

WM / TO BE RELOCATED
UNKNOWN / BY OTHERS

PROP. R/W

EXIST. R/W

SB US 41 (SR 45)

NB US 41 (SR 45)

℄ SURVEY US 41 (SR. 45)

PI STA. 1005+77.56

℄ CONST. US 41 LT.

℄ CONST. US 41 RT.

PC STA. 76+13.03

PC STA. 81+35.90

BEGIN PROJECT
BEGIN CONSTRUCTION
℄ SURVEY US 41 (SR. 45)
STA. 58+31.17 =
℄ CONST. US 41 RT.
STA. 2005+32.15, 9.11' LT. =
℄ CONST. US 41 LT.
STA. 1005+32.18, 10.55' LT.

4' BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

℄ CONST. HARTFORD ST.

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

6" WM / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

AUSTIN DENVER ST.

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (1)

SHEET NO.

darumbach 4/30/2021 11:21:48 AM Default c:\owworkingdir\kca-ow.bentley.com kca-ow-01\dean.arumbach\dms0700\UTADRD02.dgn

NOTE: *All As-built plan information from this office MUST be field verified for location and depth.
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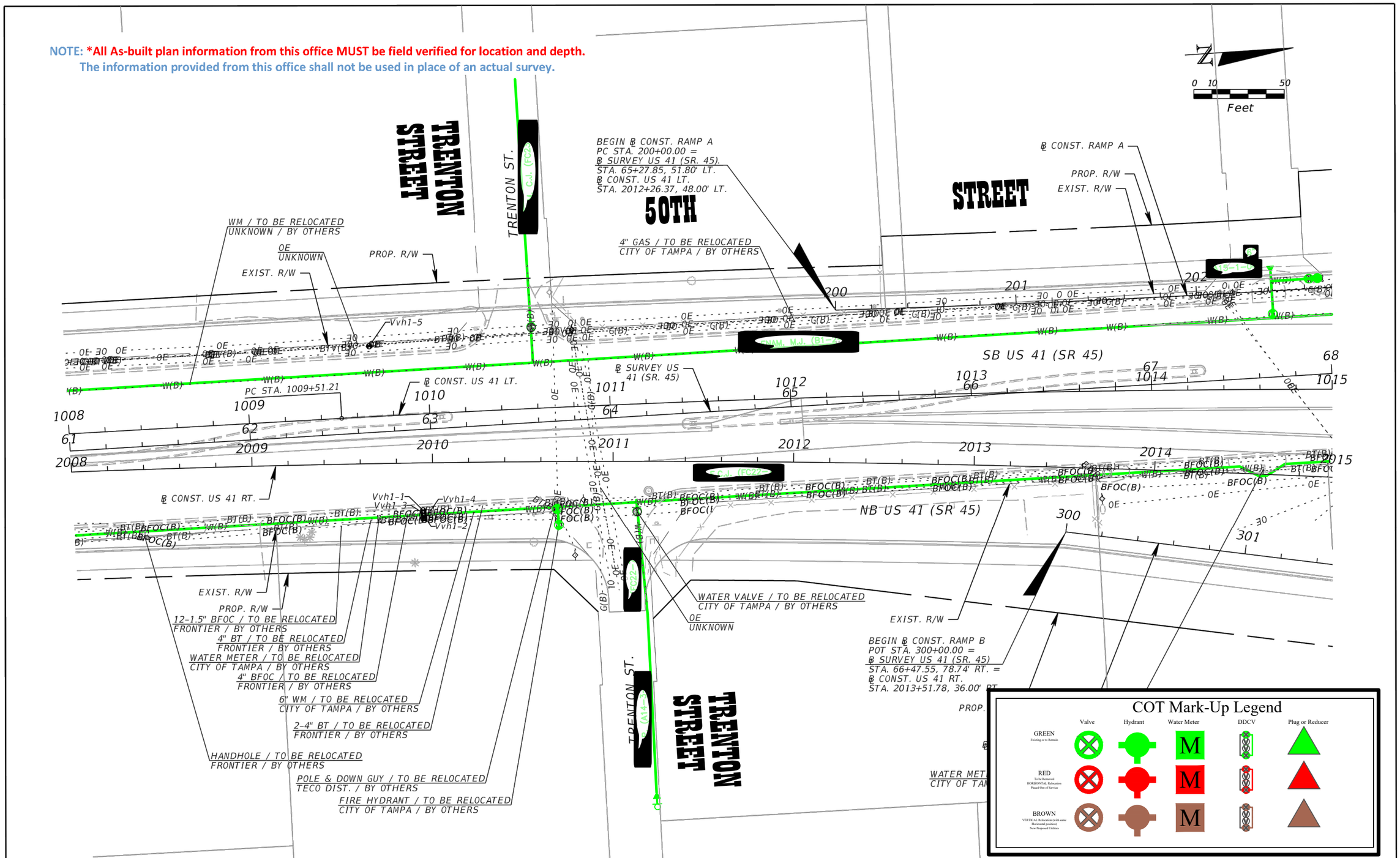

REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (2)

SHEET NO.

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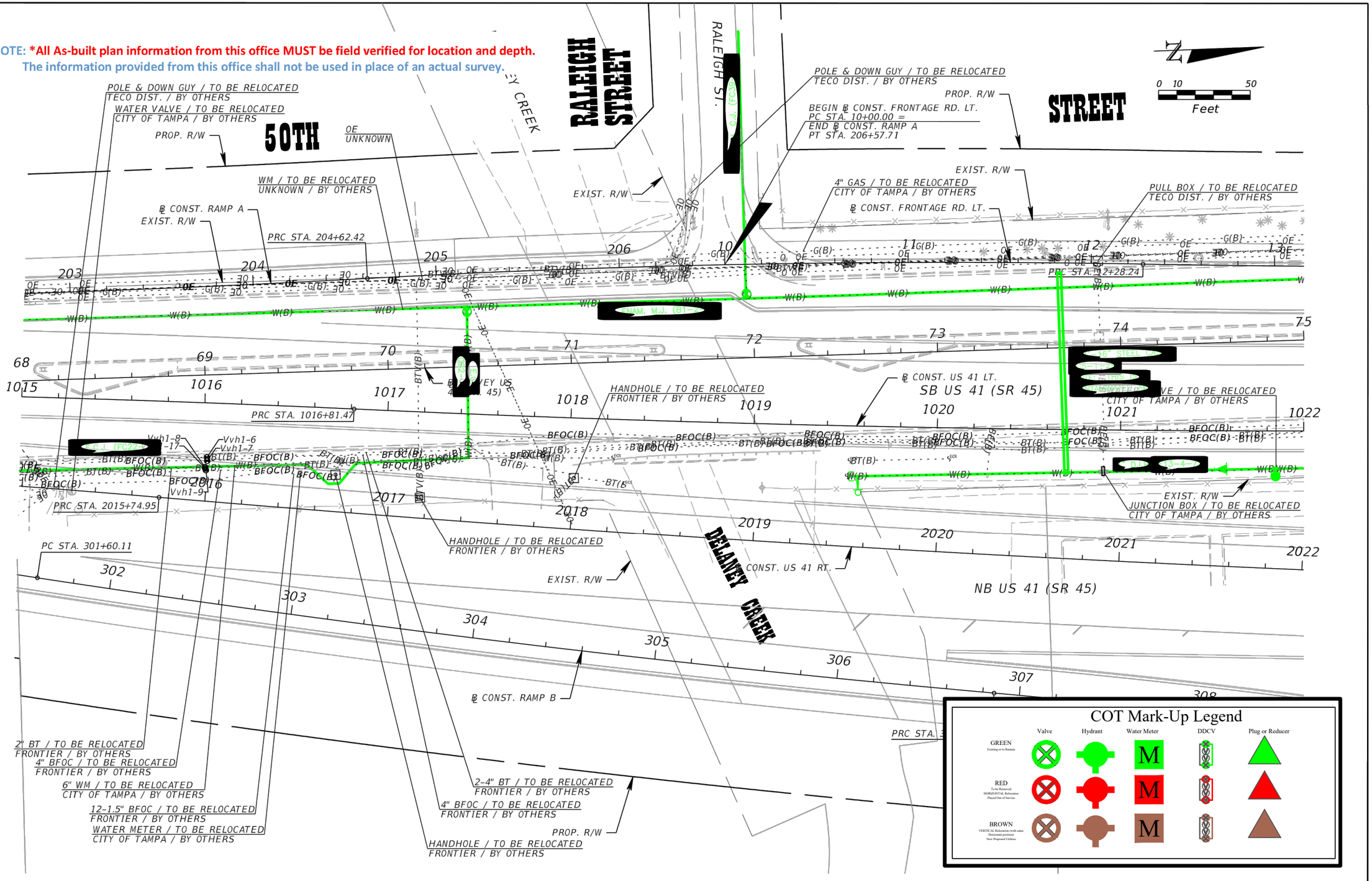

COT Mark-Up Legend

	Valve	Hydrant	Water Meter	DDCV	Plug or Reducer
GREEN (Existing or to Remain)	⊗		M		
RED (To be Removed HORIZONTAL Relocation Placed Out of Service)	⊗		M		
BROWN (VERTICAL Relocation (with same Horizontal position) New Proposed Utilities)	⊗		M		

REVISIONS			
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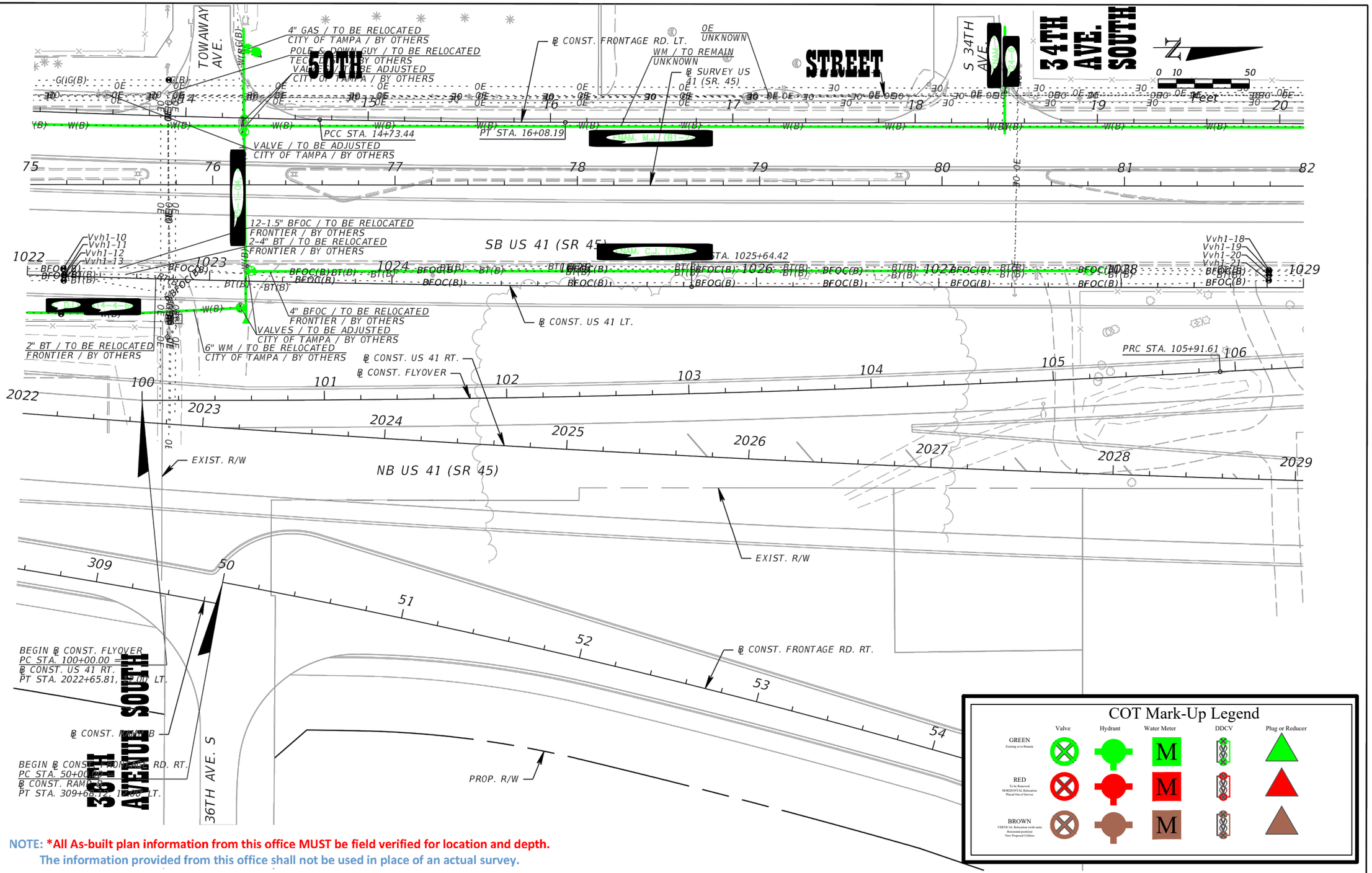
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (3)

SHEET NO.



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (4)

SHEET NO.

END ℄ CONST. FRONTAGE RD. RT.
STA. 61+15.96
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

50TH STREET

WM / TO REMAIN
UNKNOWN
℄ CONST. FRONTAGE RD. LT.

BEGIN ℄ CONST. ST. PAUL ST.
STA. 70+00.00

OE
UNKNOWN

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

℄ SURVEY US
41 (SR. 45)

OE
UNKNOWN

HDPE (DUCT)

MANHOLE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS

SB US 41 (SR 45)

PULL BOX / TO BE RELOCATED
FRONTIER / BY OTHERS

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS

Vvh1-22
Vvh1-23

EXIST. R/W

℄ CONST. US 41 LT.

PT STA. 59+50.64

PT STA. 112+54.86

℄ CONST. FLYOVER

EXIST. R/W

℄ CONST. US 41 RT.

BEGIN ℄ CONST.RAMP D
POTSTA. 500+00.00 =
℄ CONST. ST. PAUL ST.
STA. 72+12.39

℄ CONST. RAMP D

PCC STA. 2035+28.48

NB US 41 (SR 45)

CSX CROSSING
NO. 624802A

SAINT PAUL STREET

PROP. R/W

℄ CONST. FRONTAGE RD. RT.

PROP. R/W

BEGIN ℄ CONST. RAMP C
POT STA. 400+00.00 =
℄ CONST. ST. PAUL ST.
STA. 73+42.31

PI STA. 73+87.06

ST. PAUL ST.

℄ CONST. ST. PAUL ST.

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COT Mark-Up Legend

	Valve	Hydrant	Water Meter	DDCV	Plug or Reducer
GREEN (Existing or to Remain)	⊗	●	M	⧈	▲
RED (To be Removed / HORIZONTAL Relocation / Placed Out of Service)	⊗	●	M	⧈	▲
BROWN (VERTICAL Relocation (with same Horizontal position) / New Proposed Utilities)	⊗	●	M	⧈	▲

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REVISIONS			
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Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (5)

SHEET NO.

50TH STREET

0 10 50
Feet

℄ CONST. FRONAGE RD. LT.
STA. 30+83.05 =
℄ CONST. RAMP E.
STA. 600+00.00

℄ CONST. FRONTAGE RD. LT.

EXIST. R/W

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

OE
UNKNOWN

WM / TO BE RELOCATED
UNKNOWN / BY OTHERS

BE / TO BE RELOCATED
UNKNOWN / BY OTHERS

℄ SURVEY US
41 (SR. 45)

℄ CONST RAMP E

EXIST. R/W

PROP. R/W

PI STA. 602+38.79

℄ CONST. US 41 LT.

SB US 41 (SR 45)

PC STA. 1039+54.36

PC STA. 116+01.38

℄ CONST. RAMP D

PC STA. 503+63.86

PCC STA. 506+10.32

℄ CONST. US 41 RT.

NB US 41 (SR 45)

PT STA. 408+06.03

EXIST. R/W

PC STA. 403+61.19

PCC STA. 406+57.91

℄ CONST. RAMP C

PROP. R/W

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COT Mark-Up Legend

	Valve	Hydrant	Water Meter	DDCV	Plug or Reducer
GREEN (Existing or to Remain)	⊗		M		
RED (To be Removed HORIZONTAL Relocation Placed Out of Service)	⊗		M		
BROWN (VERTICAL Relocation (with same Horizontal position) New Proposed Utilities)	⊗		M		

REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (6)

SHEET NO.

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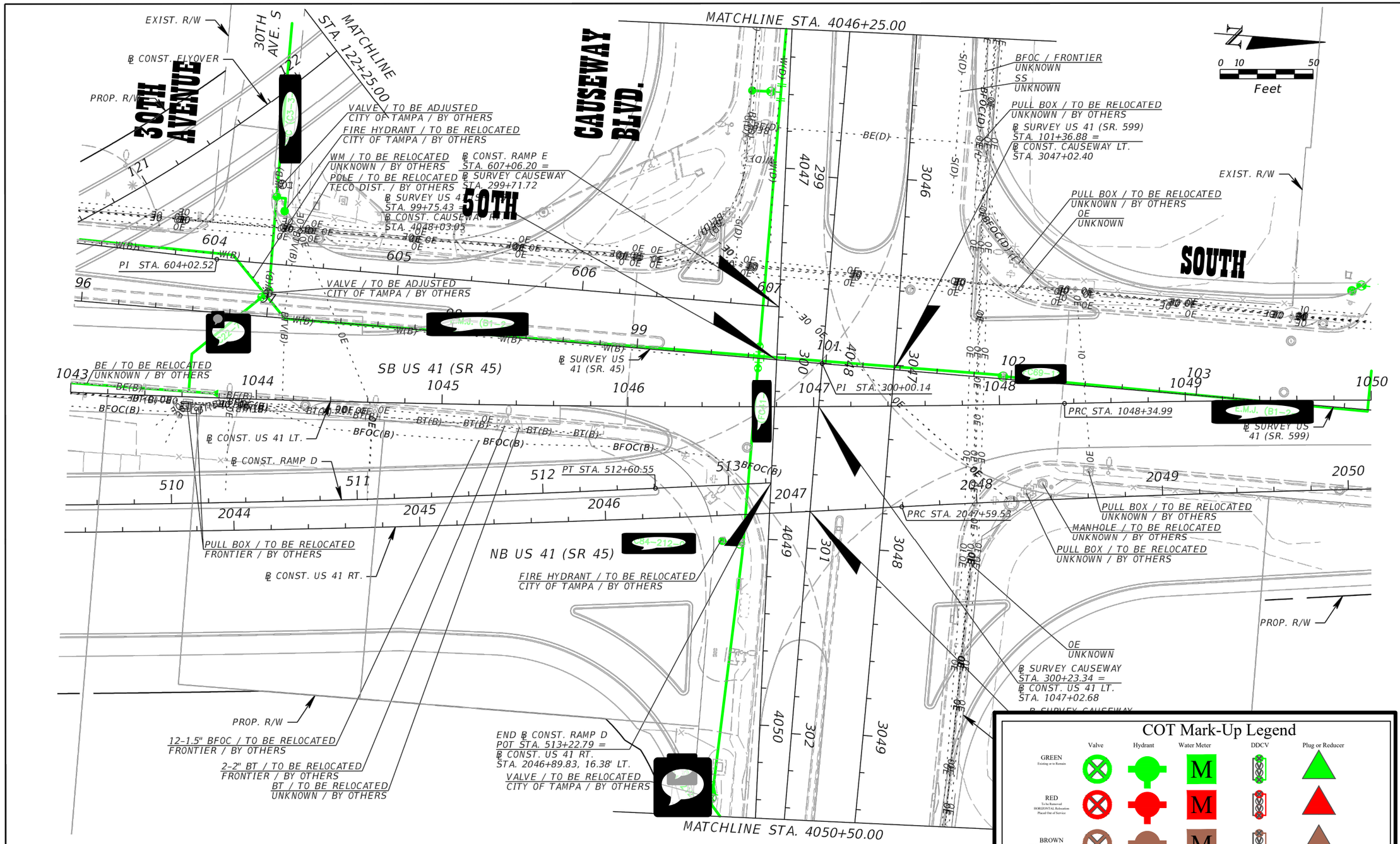

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (7)

SHEET NO.

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EL CAMINO BLANCO BLVD.

EL CAMINO BLANCO BOULEVARD

50TH STREET

0 10 50
Feet

OE UNKNOWN
EXIST. R/W
PROP. R/W

SB US 41 (SR 599)

℄ CONST. US 41 RT.

℄ SURVEY US 41 (SR. 599)

PI STA. 110+39.87

NB US 41 (SR 599)

PROP. R/W
EXIST. R/W

VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS

EXIST. R/W
PROP. R/W

EL CAMINO BLANCO

TH AVE.

COT Mark-Up Legend

	Valve	Hydrant	Water Meter	DDCV	Plug or Reducer
GREEN (Existing or to Remain)			M		
RED (To be Removed, HORIZONTAL Relocation Placed Out of Service)			M		
BROWN (VERTICAL Relocation (with same Horizontal position) New Proposed Utilities)			M		

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REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (8)

SHEET NO.

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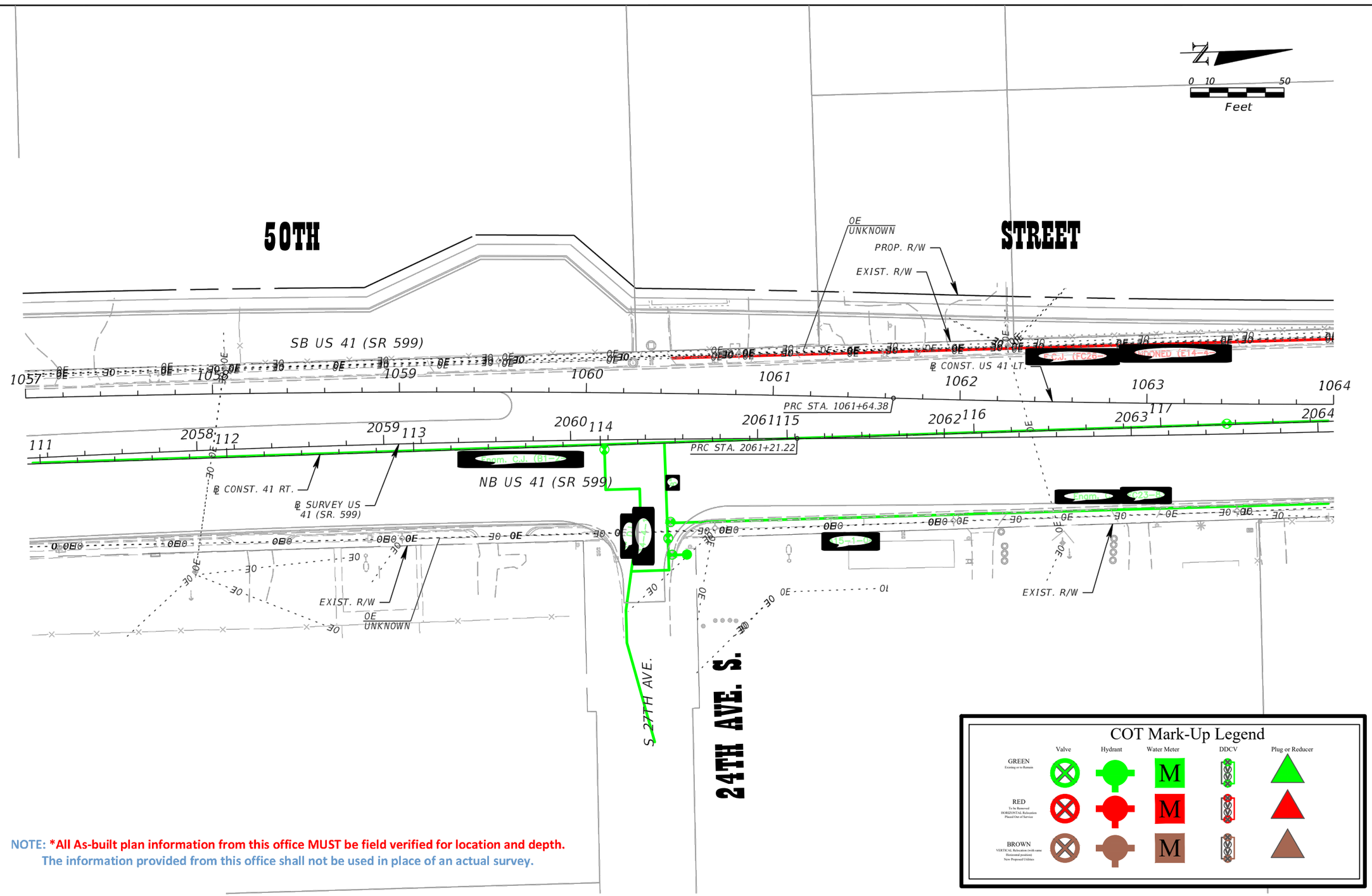

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (9)

SHEET NO.

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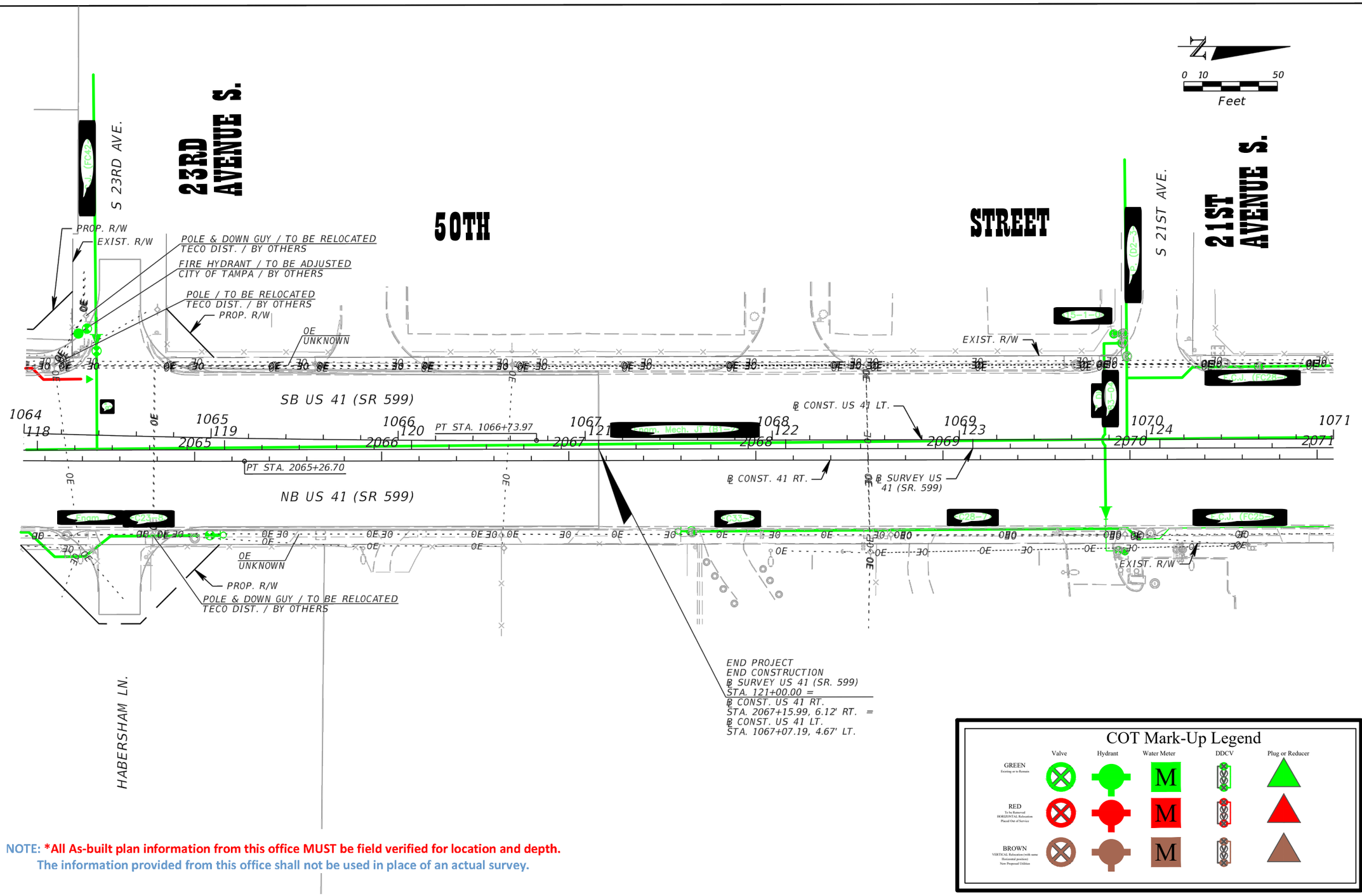

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COT Mark-Up Legend

	Valve	Hydrant	Water Meter	DDCV	Plug or Reducer
GREEN (Existing or to Remain)	⊗	●	M	⧫	▲
RED (To be Removed HORIZONTAL Relocation Placed Out of Service)	⊗	●	M	⧫	▲
BROWN (VERTICAL Relocation (with same Horizontal position) New Proposed Utilities)	⊗	●	M	⧫	▲

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UTILITY ADJUSTMENTS (10)

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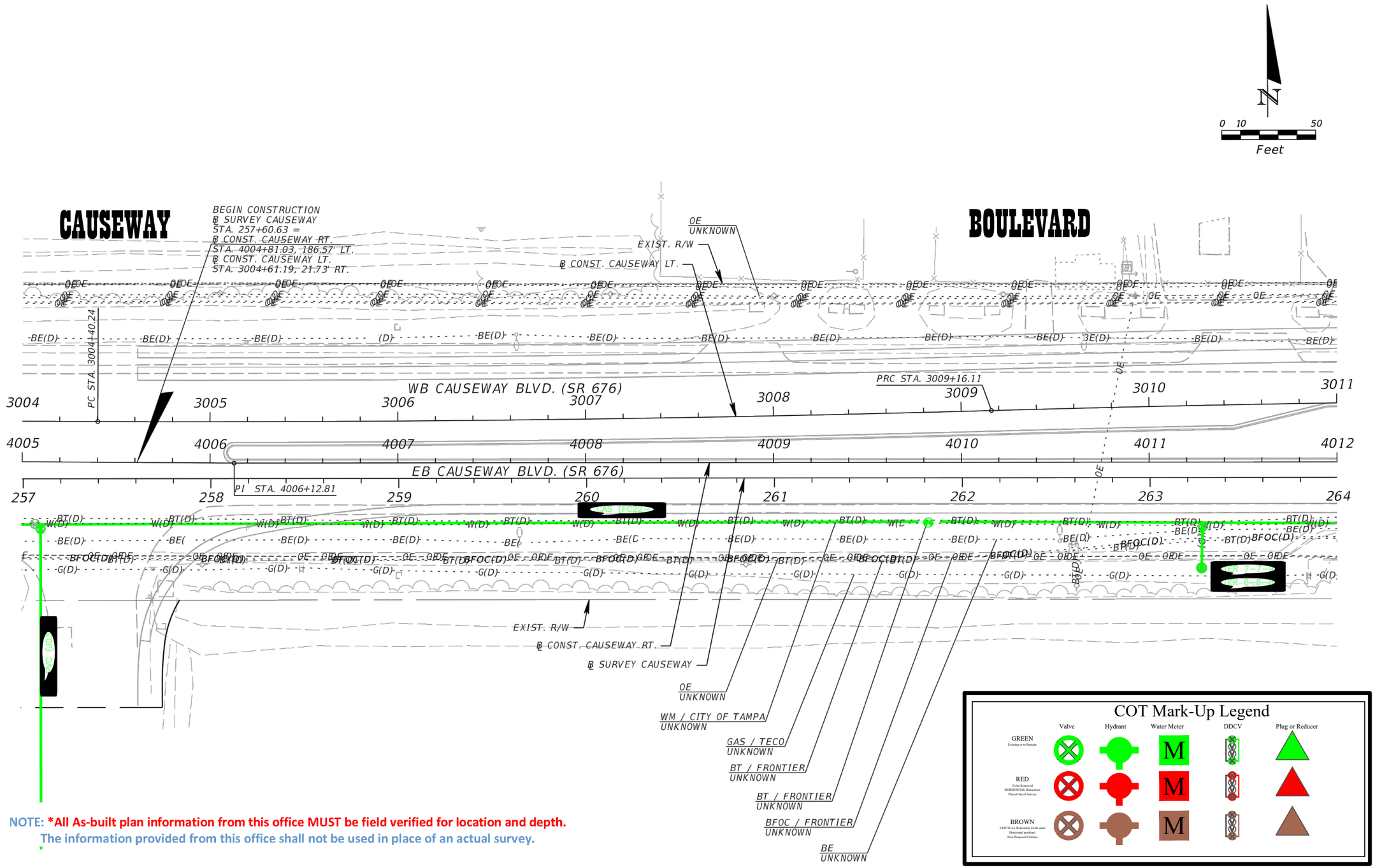

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SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (11)

SHEET NO.

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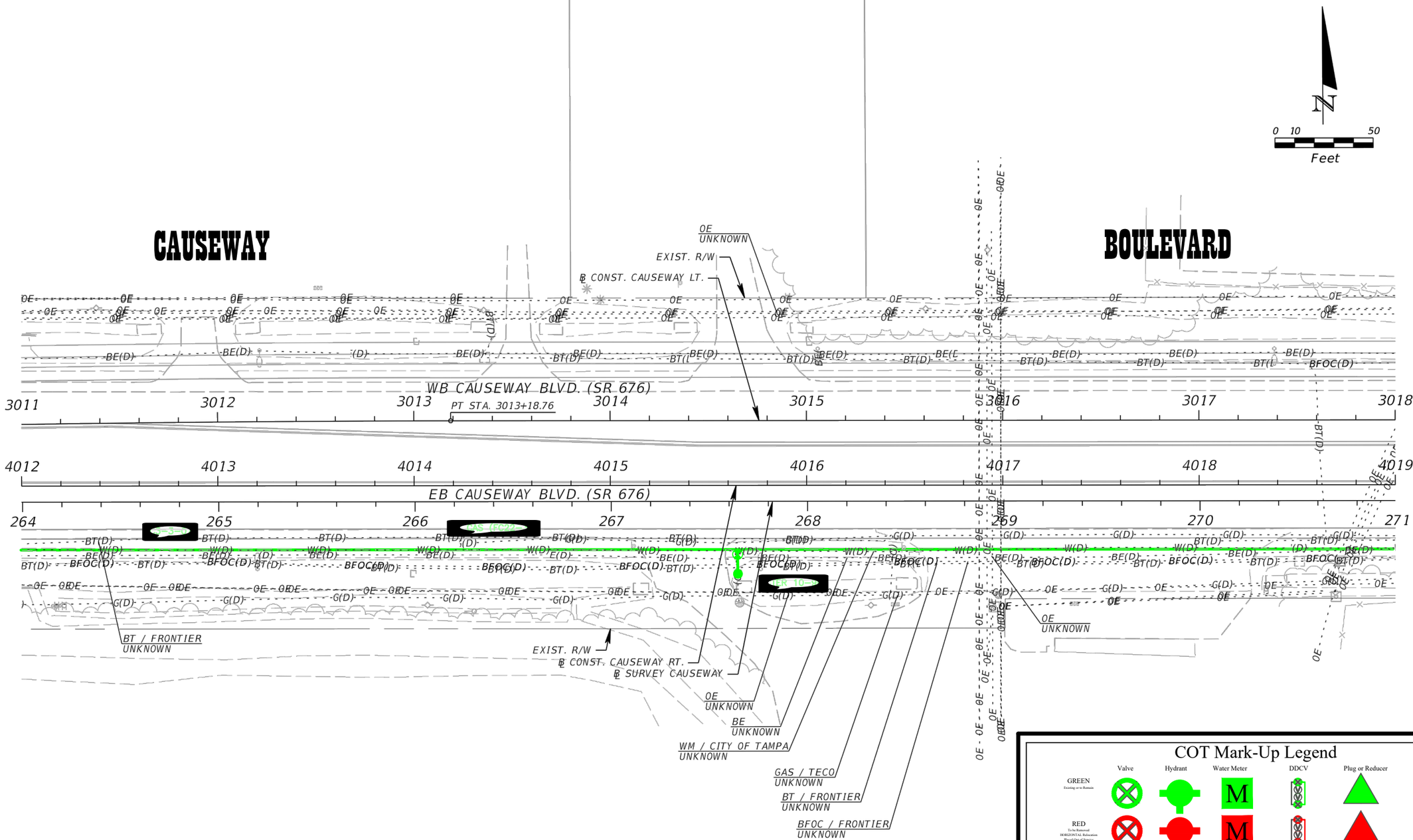

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (12)

SHEET NO.

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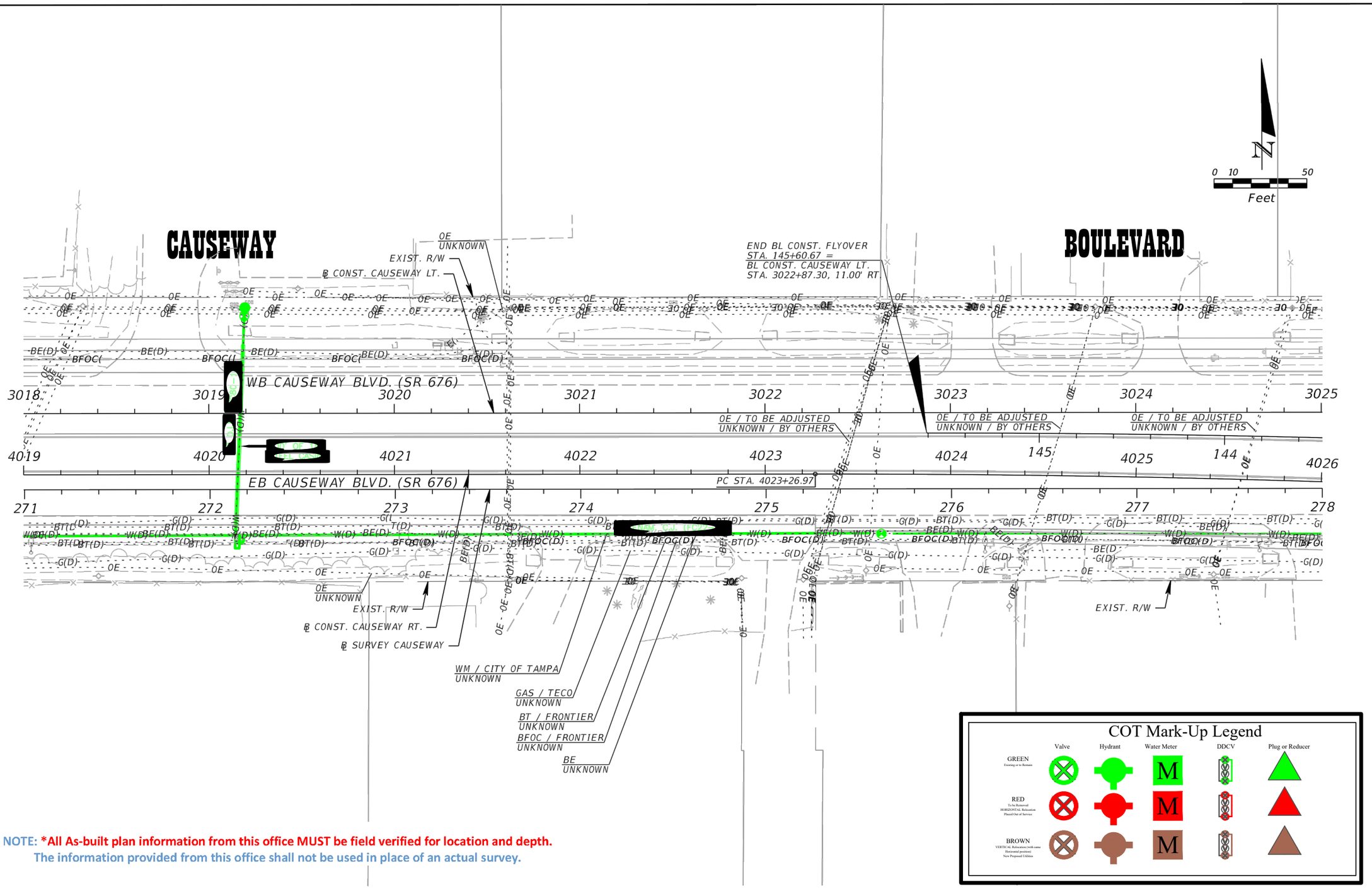

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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (13)

SHEET NO.

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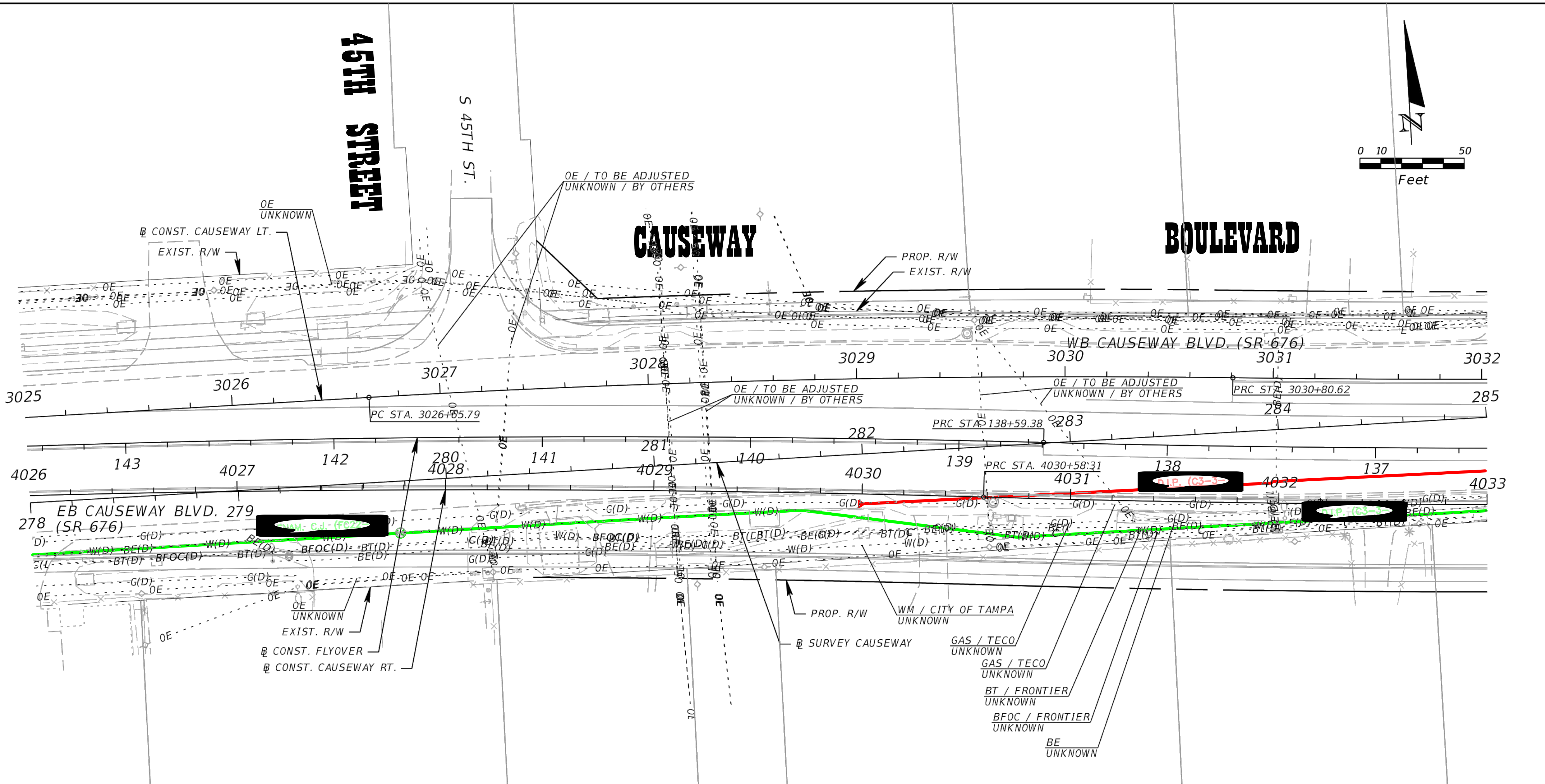
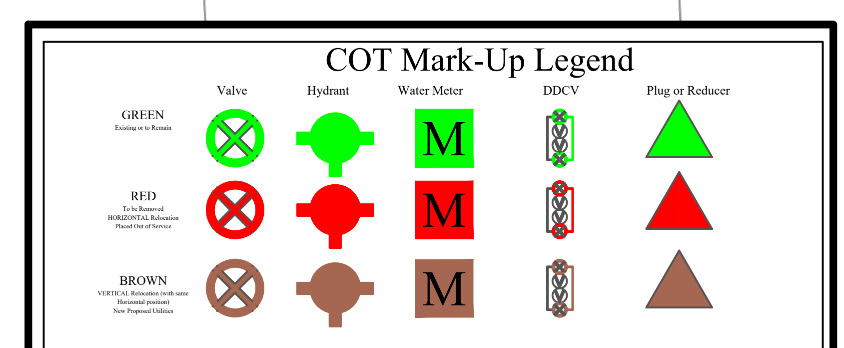

45TH STREET
S 45TH ST.
CAUSEWAY
BOULEVARD
0 10 50
Feet
OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS
OE
UNKNOWN
℄ CONST. CAUSEWAY LT.
EXIST. R/W
PROP. R/W
EXIST. R/W
WB CAUSEWAY BLVD. (SR 676)
3025
3026
3027
3028
3029
3030
3031
3032
PC STA. 3026+65.79
OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS
OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS
PRC STA. 3030+80.62
PRC STA. 138+59.38
PRC STA. 4030+58.31
4026
4027
4028
4029
4030
4031
4032
4033
143
142
141
140
139
138
137
278
279
280
281
282
283
284
285
EB CAUSEWAY BLVD.
(SR 676)
[redacted]
[redacted]
OE
UNKNOWN
EXIST. R/W
℄ CONST. FLYOVER
℄ CONST. CAUSEWAY RT.
PROP. R/W
℄ SURVEY CAUSEWAY
WM / CITY OF TAMPA
UNKNOWN
GAS / TECO
UNKNOWN
GAS / TECO
UNKNOWN
BT / FRONTIER
UNKNOWN
BFOC / FRONTIER
UNKNOWN
BE
UNKNOWN



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P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (14)

SHEET NO.

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47TH STREET

S 47TH ST.

CAUSEWAY BOULEVARD

WB CAUSEWAY BLVD. (SR 676)

EB CAUSEWAY BLVD. (SR 676)

S. 47TH STREET

N

0 10 50

Feet

PROP. R/W

EXIST. R/W

OE
UNKNOWN

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

BFOC / FRONTIER
UNKNOWN

℄ CONST. CAUSEWAY RT.

℄ SURVEY CAUSEWAY

EXIST. R/W

OE / TO BE RELOCATED
UNKNOWN / BY OTHERS

PCC STA. 3038+73.98

PC STA. 131+79.29

C.I.P. (abandon)

C.I.P. (C3-5)

℄ CONST. FLYOVER

OE
UNKNOWN

WM / CITY OF TAMPA
UNKNOWN

GAS / TECO
UNKNOWN

GAS / TECO
UNKNOWN

BT / FRONTIER
UNKNOWN

BE
UNKNOWN

NOTE: *All As-built plan information from this office MUST be field verified for location and depth.
The information provided from this office shall not be used in place of an actual survey.

COT Mark-Up Legend

	Valve	Hydrant	Water Meter	DDCV	Plug or Reducer
GREEN (Existing or to Remain)			M		
RED (To be Removed, HORIZONTAL Relocation, Placed Out of Service)			M		
BROWN (VERTICAL Relocation (with same Horizontal position), New Proposed Utilities)			M		

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

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

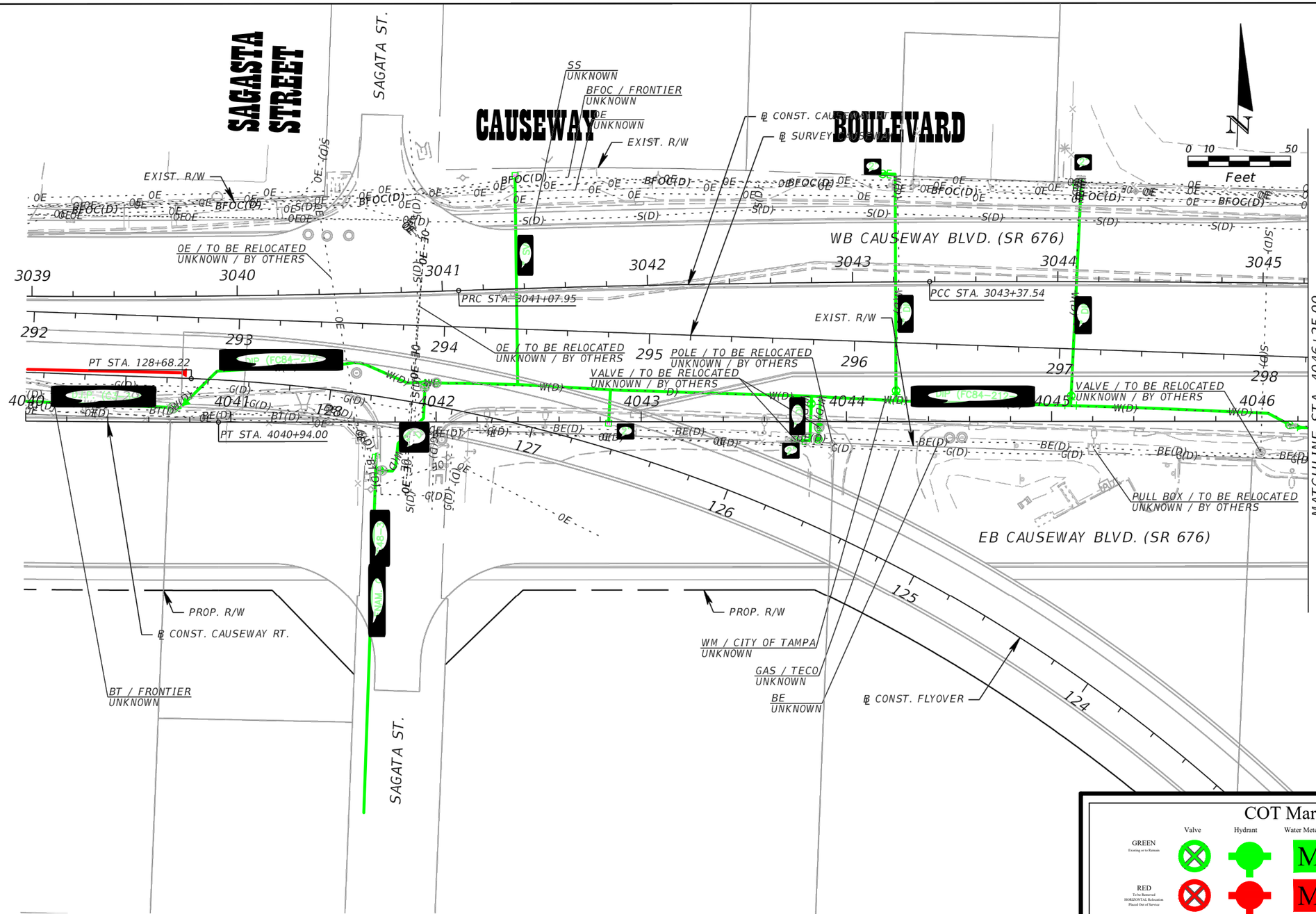
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (15)

SHEET NO.



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The information provided from this office shall not be used in place of an actual survey.

COT Mark-Up Legend

	Valve	Hydrant	Water Meter	DDCV	Plug or Reducer
GREEN (Existing or to Remain)			M		
RED (To be Removed, HORIZONTAL Relocation, Placed Out of Service)			M		
BROWN (VERTICAL Relocation (with same Horizontal position) New Proposed Utilities)			M		

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (16)

SHEET NO.

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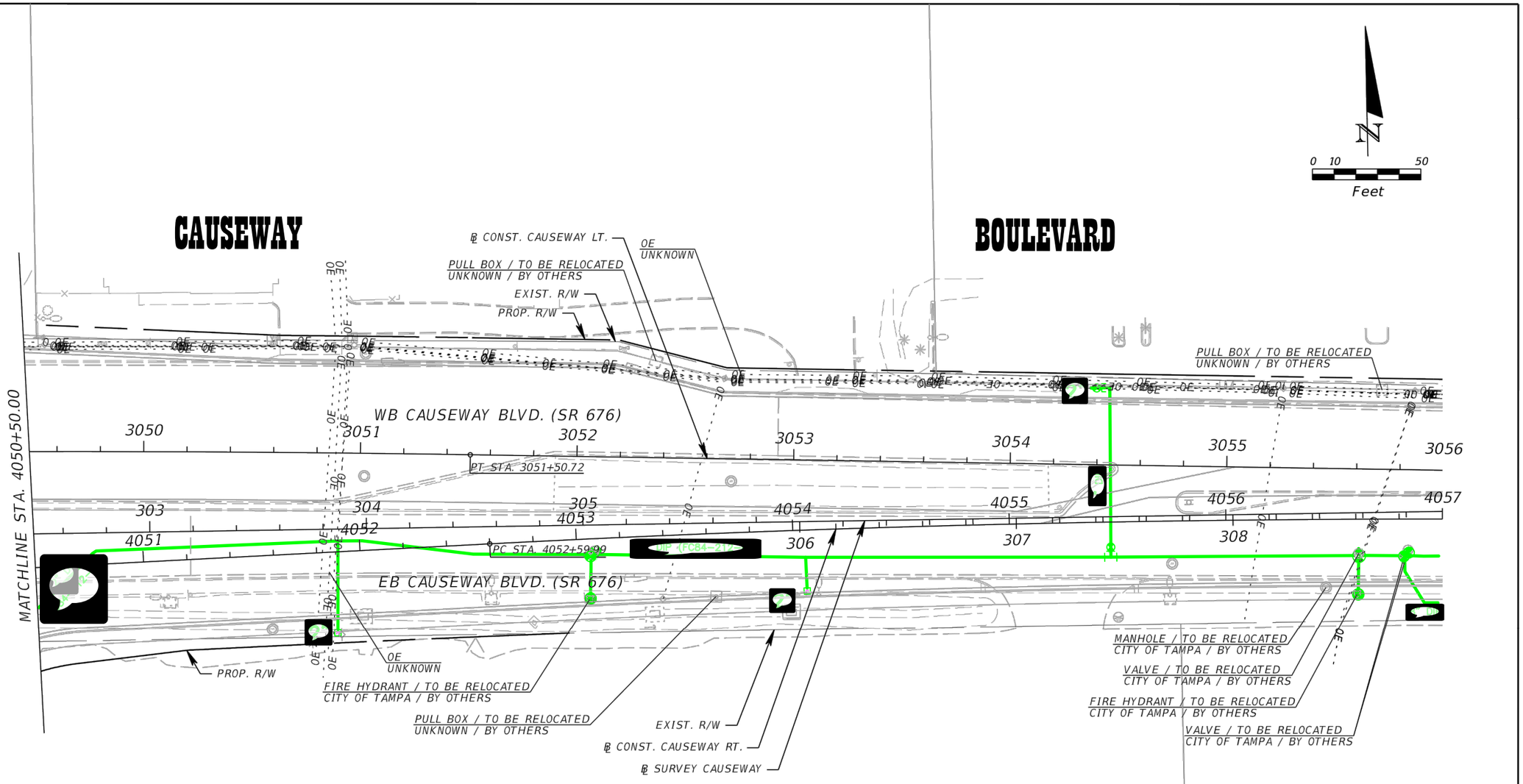

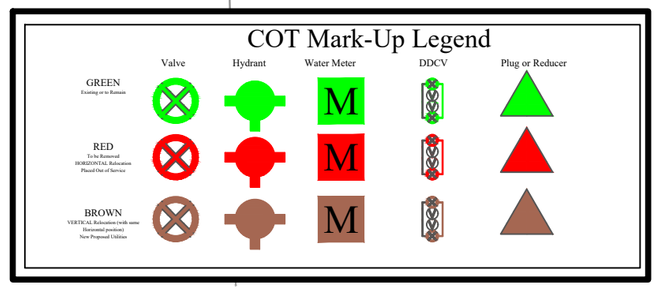

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

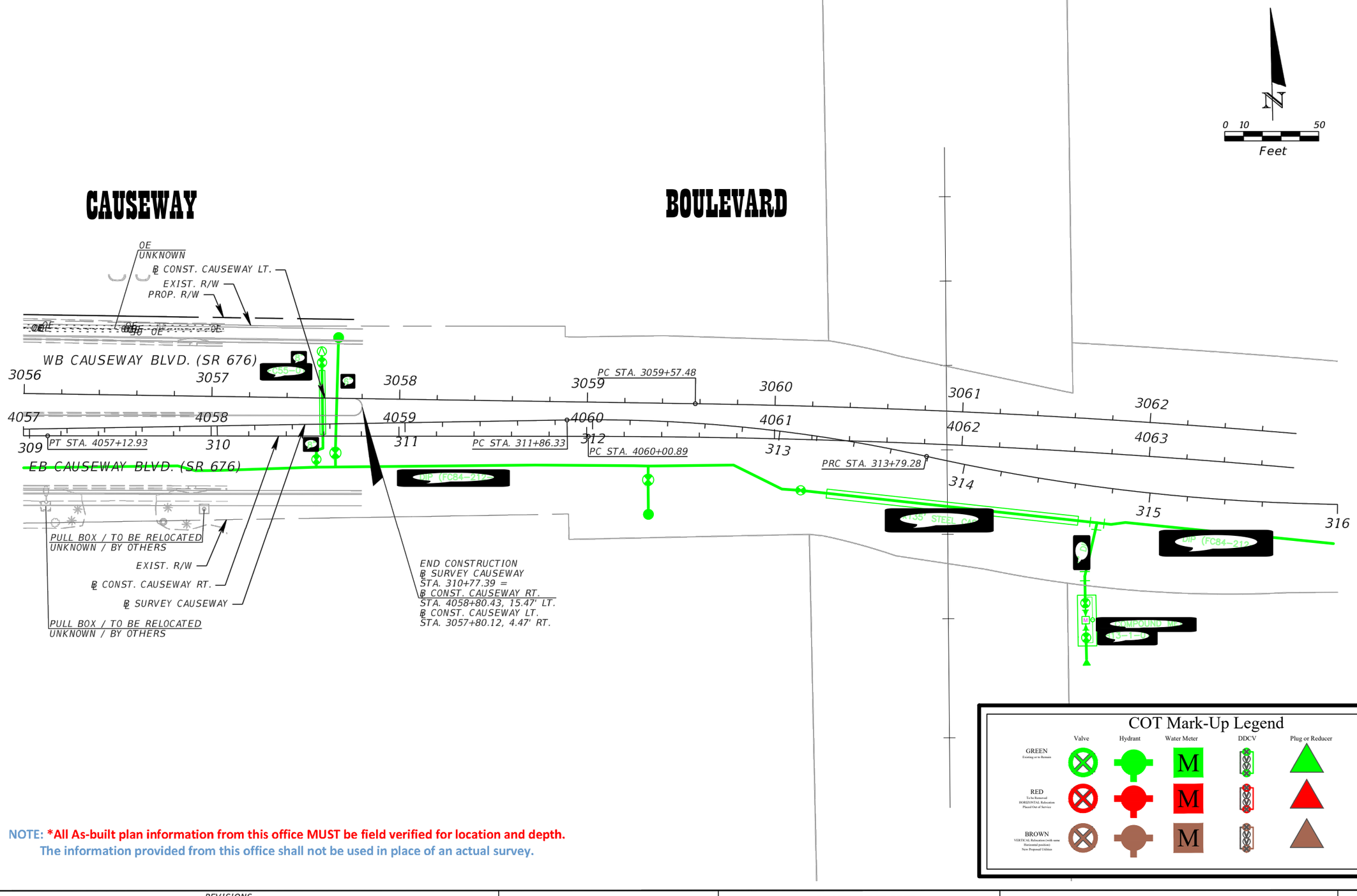
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (17)

SHEET NO.



NOTE: *All As-built plan information from this office MUST be field verified for location and depth.
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

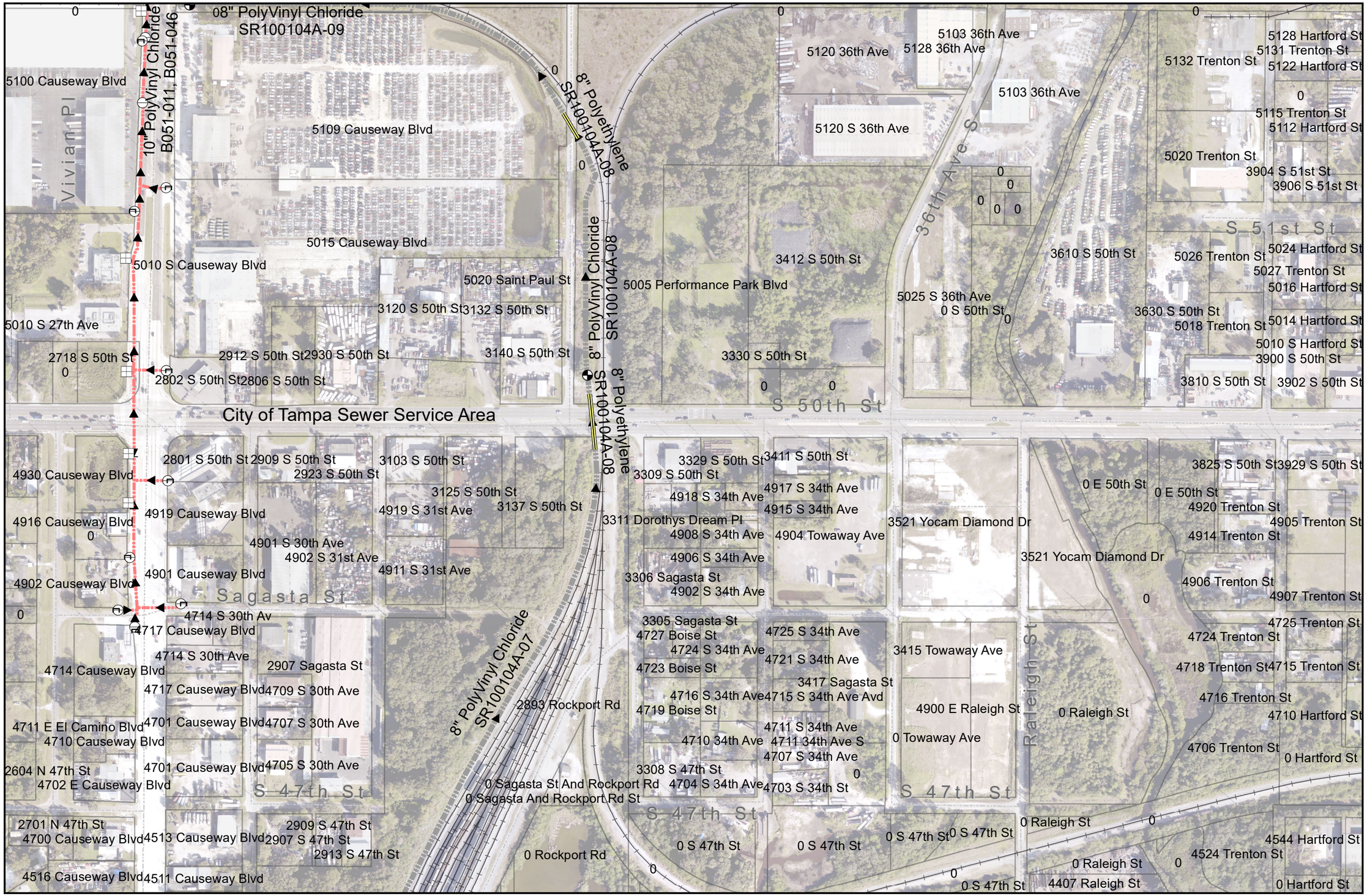
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (18)

SHEET NO.

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

Wastewater Utility Map



N

0 162.5 325 Feet

1 inch = 300 feet

City of Tampa Florida

Wastewater Department

Legend

Network Structures

Owned By, Structure Type

- Private Grease Separator
- Private Pump Station
- Tampa Diversion Chamber
- Tampa Flow Meter
- Tampa Junction Chamber
- Tampa Pump Station
- Tampa Treatment Plant
- Temple Terrace Pump Station

Manholes

Owned By, Active Flag

- Tampa, True
- Tampa, False
- Private, True
- Private, False
- Casings

Gravity Mains

Owned By, Active Flag

- Tampa True
- Tampa False
- Private True
- Private False

Pressurized Mains

Owned By, Active Flag

- Tampa, True
- Tampa, False
- Private, True
- Private, False
- Railroads
- Road Centerline
- Tax Parcels

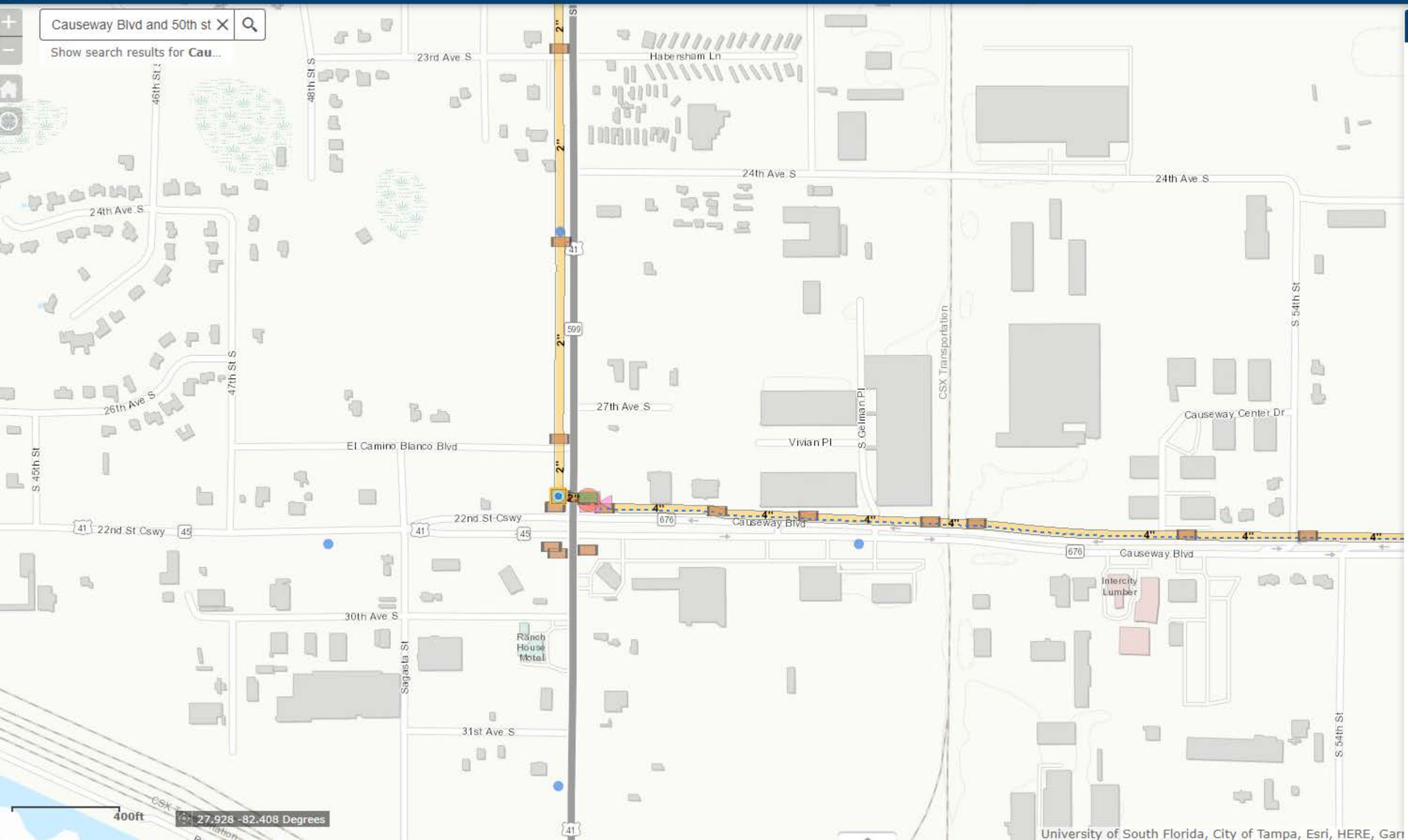
Sheet No.

1

of 1

Date: 7/28/2020

Traffic Communications Viewer

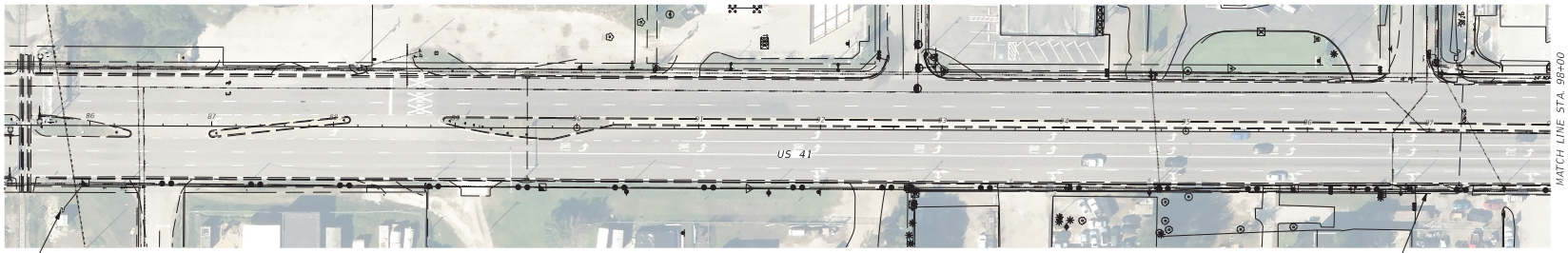


Legend

HCPWD_Traffic_Telecom_Viewer

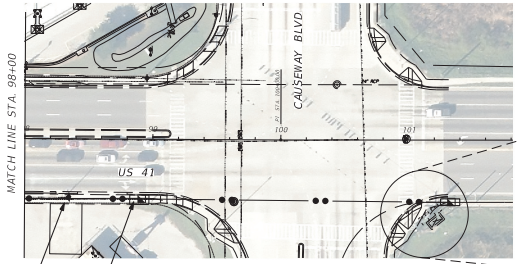
HCPWD Telecom Assets

- DynamicSign
- Cable Terminal
- Cable Junction
  - Antenna
  - Controller Assembly
  - Other
  - Splice Enclosure
- Traffic Related Meter
- Traffic Sensor
  - Other
  - EM
  - Video
  - Wireless
- Copper Cable
  - Aerial
  - Underground
- Fiber Bundle Cable
  - Aerial
  - Underground
- Traffic System Structure
  - Box
  - Cabinet
  - Pole
- Traffic System Conduit
- Communication Hub



SEE NOTE 1

0 20 100
Feet



EXISTING R/W

REMOVE/REPLACE SIDEWALK

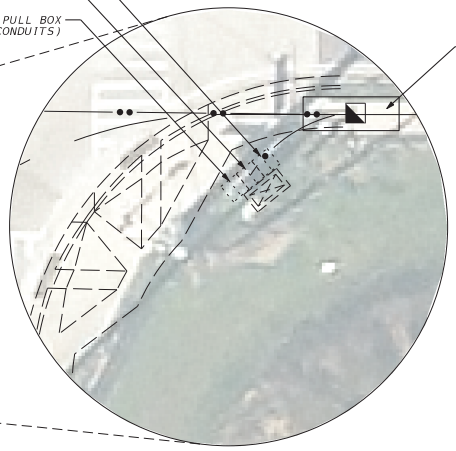
POWER SERVICE PULL BOX

HIGH VOLTAGE PULL BOX

LOW VOLTAGE PULL BOX (TWO SPARE CONDUITS)

EXISTING R/W

REMOVE/REPLACE SIDEWALK



0 5 20
Feet

NOTES

1. COORDINATE WITH CSX FOR PREEMPT CABLE CONNECTION.
2. ENTER CONTROLLER CABINET THROUGH AVAILABLE 2 INCH SPARE FROM LOW VOLTAGE PULL BOX.
3. PROVIDE PREEMPTION PANEL AND CONNECTIONS AS NEEDED.
4. PROVIDE STEP DOWN TRANSFORMER FOR 24 VAC PREEMPT CABLE FEED. A 24 VAC ISOLATION RELAY IS REQUIRED FOR CONTROLLER PREEMPT INPUT.
5. PROVIDE AND IMPLEMENT PREEMPTION TIMINGS.
6. COORDINATE ALL WORK WITH HILLSBOROUGH COUNTY TRAFFIC AND FDOT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

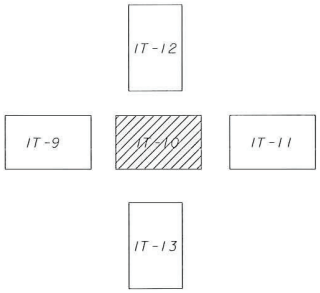
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

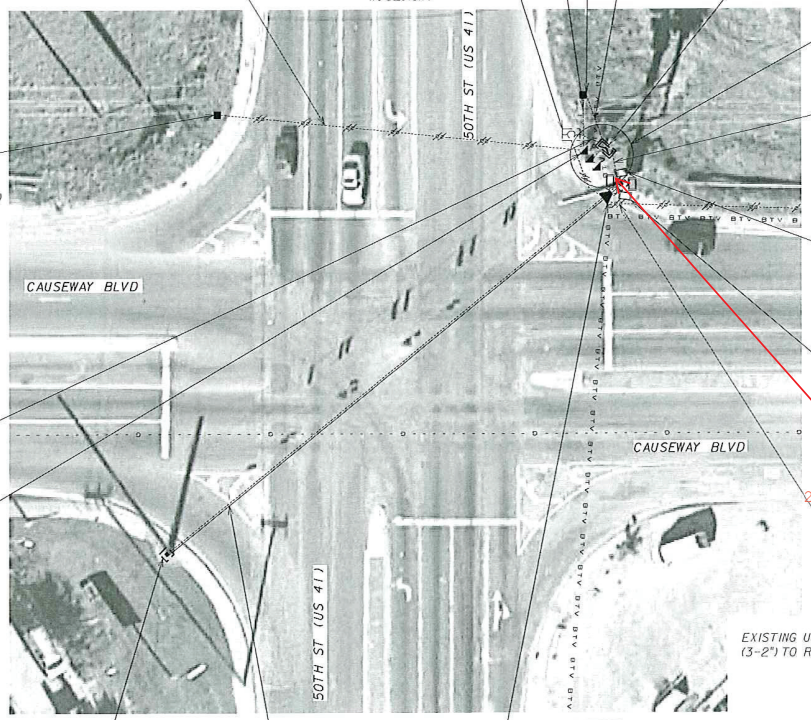
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	

US 41 AT CAUSEWAY BLVD SIGNAL PREEMPTION

SHEET NO. 1 OF 1

Howard.Holley 2/4/2016 9:14:57 AM J:\JOB\0195\00195-231-01_US41-Causeway Preempt\Signals\PLANSG01.dgn





EXISTING UNDERGROUND CONDUITS (1-1") AND POWER CABLES (3-CONDUCTORS) TO REMAIN

EXISTING 12' CONCRETE POWER SERVICE POLE (TYPE P-II) AND SERVICE DISCONNECT TO REMAIN

EXISTING UNDERGROUND CONDUITS (1-2") AND POWER CABLES (3-CONDUCTORS) TO REMAIN

EXISTING SPLICE BOX TO REMAIN
N: 27.92334
W: 82.40171

EXISTING UNDERGROUND CONDUITS (1-2") AND POWER CABLES (3-CONDUCTORS) TO REMAIN

EXISTING CONTROLLER CABINET (TYPE 02-01-01A) PATCH PANEL (24 PORTS), GPS UNIT, UPS SYSTEM AND BATTERIES, AND FOUNDATION TO REMAIN
N: 27.92329
W: 82.40170

25 LF COILED	783-1-121	(12-COUNT SM)
12 EA	783-2-32	SC CONNECTOR
1 EA	783-3-14	BUFFER TUBE FAN OUT KIT
10 LF COILED	783-8-1	CAT6E (ACCESS POINT)
1 EA	784-3-60	ITS DIGITAL VIDEO ENCODER (REMOVE)

1" = 40'
N
0 10 40
Feet

DETAIL A

15 LF 783-8-1 CAT6E (ACCESS POINT)
EXISTING UNDERGROUND CONDUITS (2-2") AND SIGNAL CABLES TO REMAIN

ACCESS POINT FOR SB APPROACH
35 LF 783-8-1 CAT6E (ACCESS POINT)
1 EA 784-6-31 WIRELESS DETECTION ACCESS POINT (INSTALL)

REPEATERS FOR EB, WB, AND NB APPROACHES
3 EA 784-6-31 WIRELESS DETECTION REPEATER (INSTALL)
EXISTING CONCRETE STRAIN POLE TO REMAIN
4 FI 783-4-112 2" UNDERGROUND CONDUIT
1 EA 783-5-5 ADJUST/MODIFY PULL BOX
22 FI 783-4-111 2" RISER
EXISTING UNDERGROUND CONDUITS (4" OUTERDUCT W/3-1" INNERDUCT) TO REMAIN

1 AS 780-1-51 ITS ELECTRIC POWER (ADJ/MOD)
EXISTING 12' CONCRETE SERVICE POWER POLE (TYPE P-II), TECO METER #D55669 CC (53373525), AND MAIN DISCONNECT TO REMAIN
N:27.92336, W:82.40206

EXISTING UNDERGROUND CONDUITS (1-2") TO REMAIN

EXISTING PULL BOX TO REMAIN
N: 27.92330
W: 82.40171

EXISTING CONCRETE STRAIN POLE TO REMAIN

EXISTING SIGNAL SPAN WIRE TO REMAIN

1 EA 782-1-31 CCTV CAMERA ASSEMBLY (INSTALL)

DETAIL A

EXISTING UNDERGROUND CONDUITS (3-2") TO REMAIN

EXISTING UNDERGROUND CONDUITS (3-2") TO REMAIN

EXISTING PULL BOXES TO REMAIN
N: 27.92330
W: 82.40171

AS BUILTS

NOTES:

1. EXISTING POWER SERVICE METER BASE AND DISCONNECT SHALL REMAIN.
2. EXISTING SIGNAL POLES, SIGNAL INFRASTRUCTURE, SIGNAL CABLES, SIGNAL HEADS, PEDESTRIAN HEADS AND DETECTION, AND VEHICULAR DETECTION SHALL REMAIN.
3. EXISTING SIGNAL OPERATIONS AND TIMINGS SHALL REMAIN.

LING YU LICENSE No 57870 STATE OF FLORIDA PROFESSIONAL ENGINEER
1/3/2011

REVISIONS		
DATE	BY	DESCRIPTION

Gord & Associates, Inc.
11215 N. NEBRASKA AVENUE STE. B9
TAMPA, FLORIDA 33612
CERTIFICATE OF AUTHORIZATION 9080
ENGINEER OF RECORD:
LING YU P.E. No. 57870

Hillsborough County Florida

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
601 E KENNEDY BLVD., TAMPA, FLORIDA 33602
P.O. BOX 1110, TAMPA FLORIDA 33601
(813) 272-5912

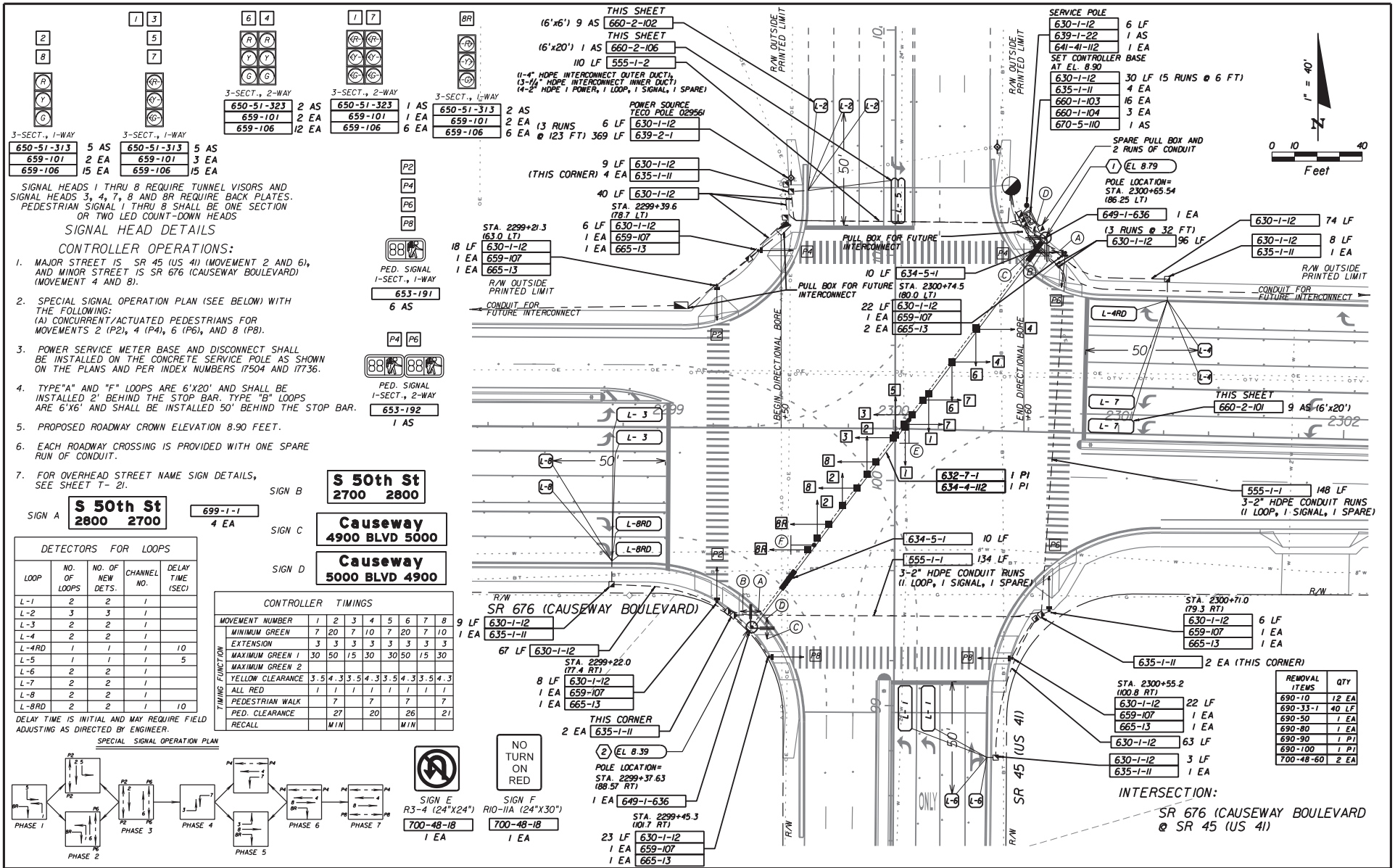
HILLSBOROUGH COUNTY ATMS PROGRAM

ROADWAY	COUNTY	CIP NO.
CAUSEWAY	HILLSBOROUGH	69602.615

ITS PLAN
CAUSEWAY BLVD AT US 41

SHEET NO. IT-10

USER: 1/3/2011 10:54:36 AM j:\e\projects\hc-iif-program\design\atms_cor\e28_causeway_b\its\PLAN\IT01.dgn



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

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

SIGNALIZATION PLANS ENGINEER OF RECORD:
ROBERT W FULP, PE (44674)
GRAY-CALHOUN & ASSOCIATES, INC.
4350 W CYPRESS ST, SUITE 340
TAMPA, FL 33607
PHONE (813) 831-8870
EB NO. 4266
WWW.GRAYCALHOUN.COM

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 676	HILLSBOROUGH	255599-1-52-01

SIGNALIZATION PLAN

SHEET NO. T-5

USER: rnovell 01/09/2006 05:17:13 PM S:\2021101\255599\5201\signals\PLANSG01.dgn

STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

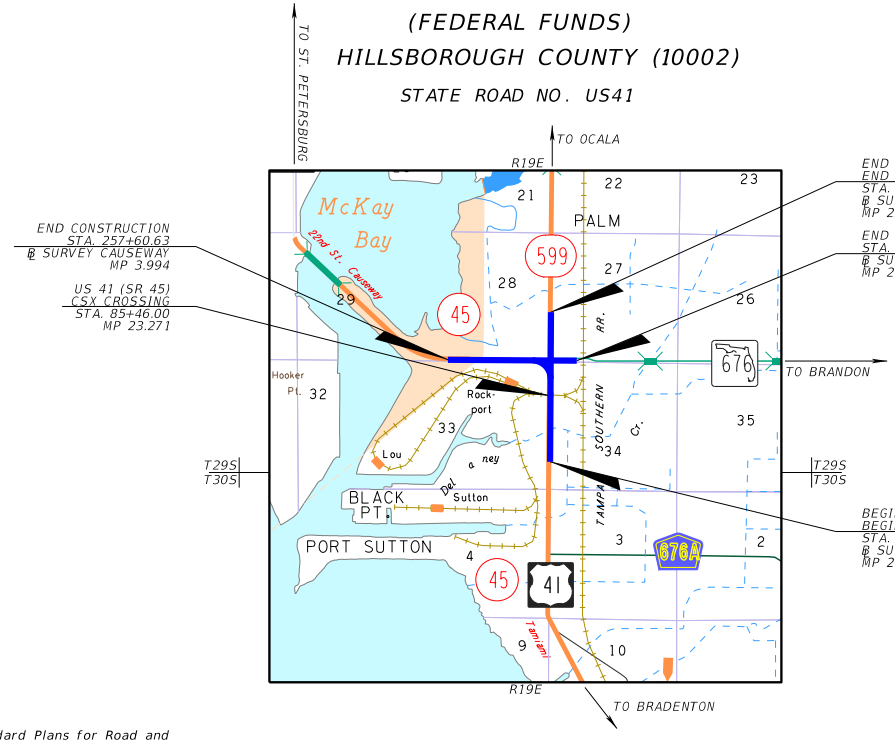
CONTRACT PLANS

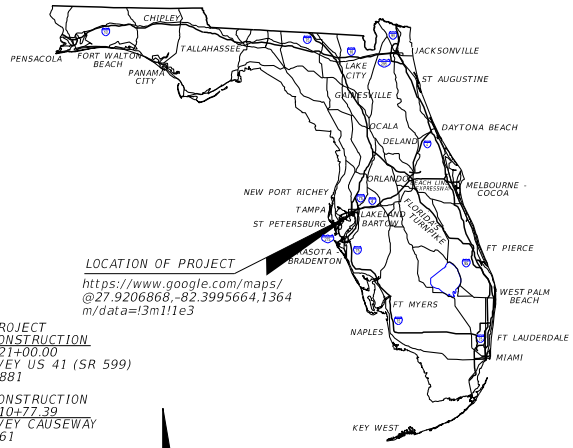
FINANCIAL PROJECT ID 440749-1-52-01

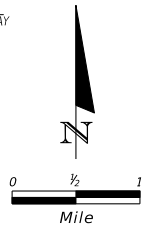
(FEDERAL FUNDS)

HILLSBOROUGH COUNTY (10002)

STATE ROAD NO. US41







GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2021-22 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

APPLICABLE IRs: N/A

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

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

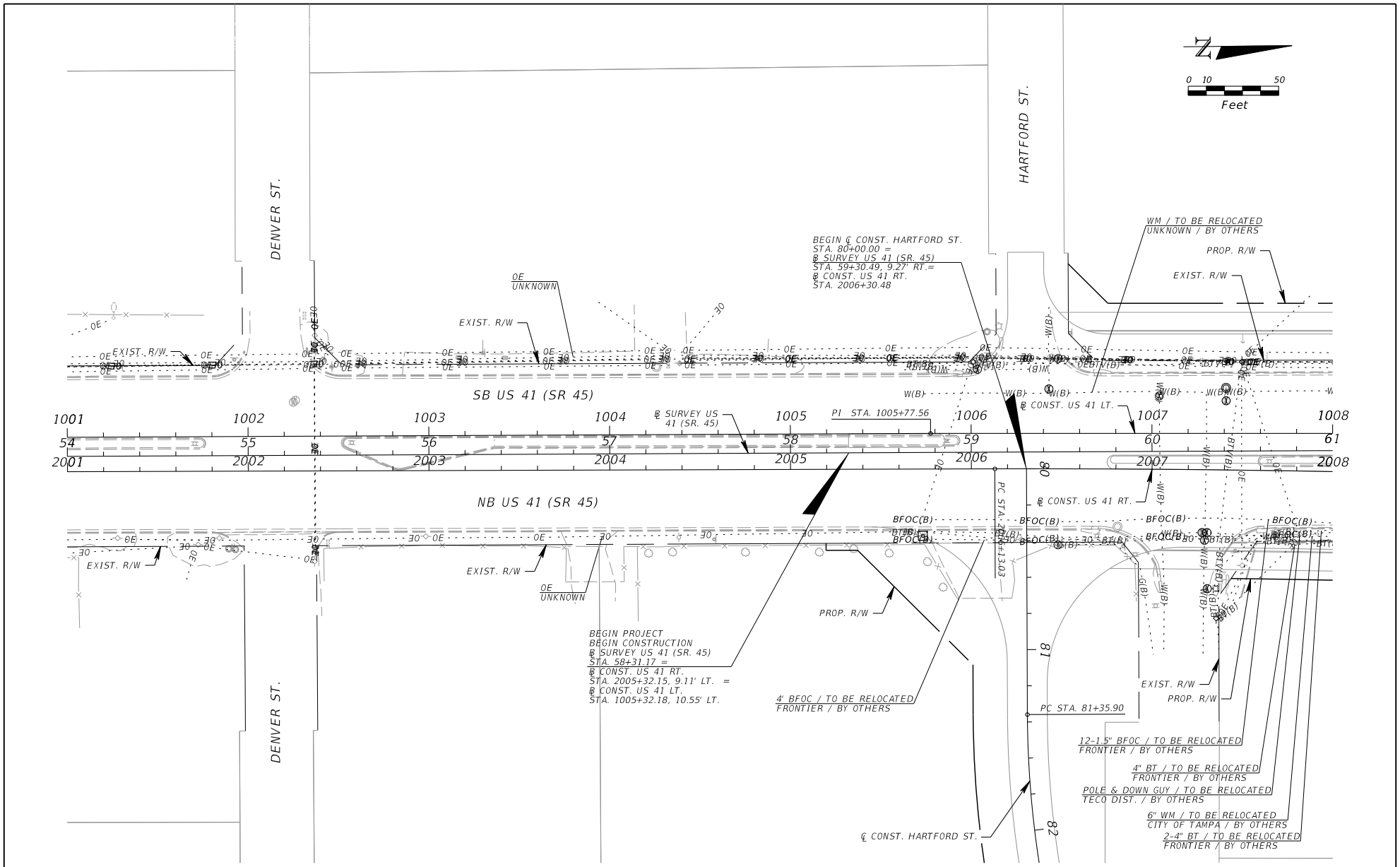
ROADWAY PLANS ENGINEER OF RECORD:

BRANAN R. ANDERSON, P.E. NO.: 78438
KISINGER CAMPO AND ASSOCIATES CORP.
CONSULTING ENGINEERS & PLANNERS
201 N. FRANKLIN STREET, SUITE 400
TAMPA, FLORIDA 33602
(813) 871-5331
VENDOR NUMBER.: F59-1677145

FDOT PROJECT MANAGER:

TIM O'BRIEN P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	21	1



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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (1)

SHEET NO.

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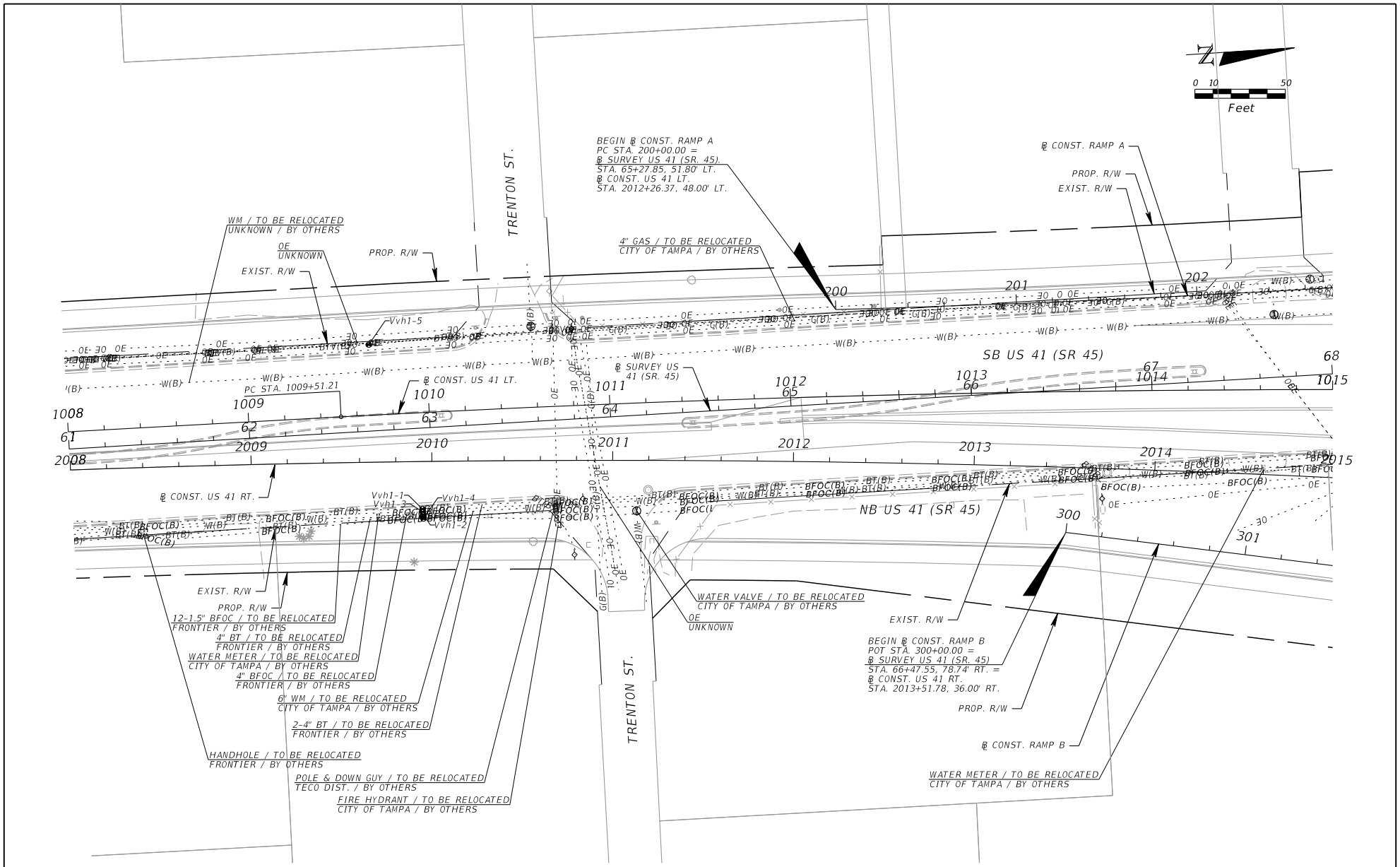

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (2)

SHEET NO.

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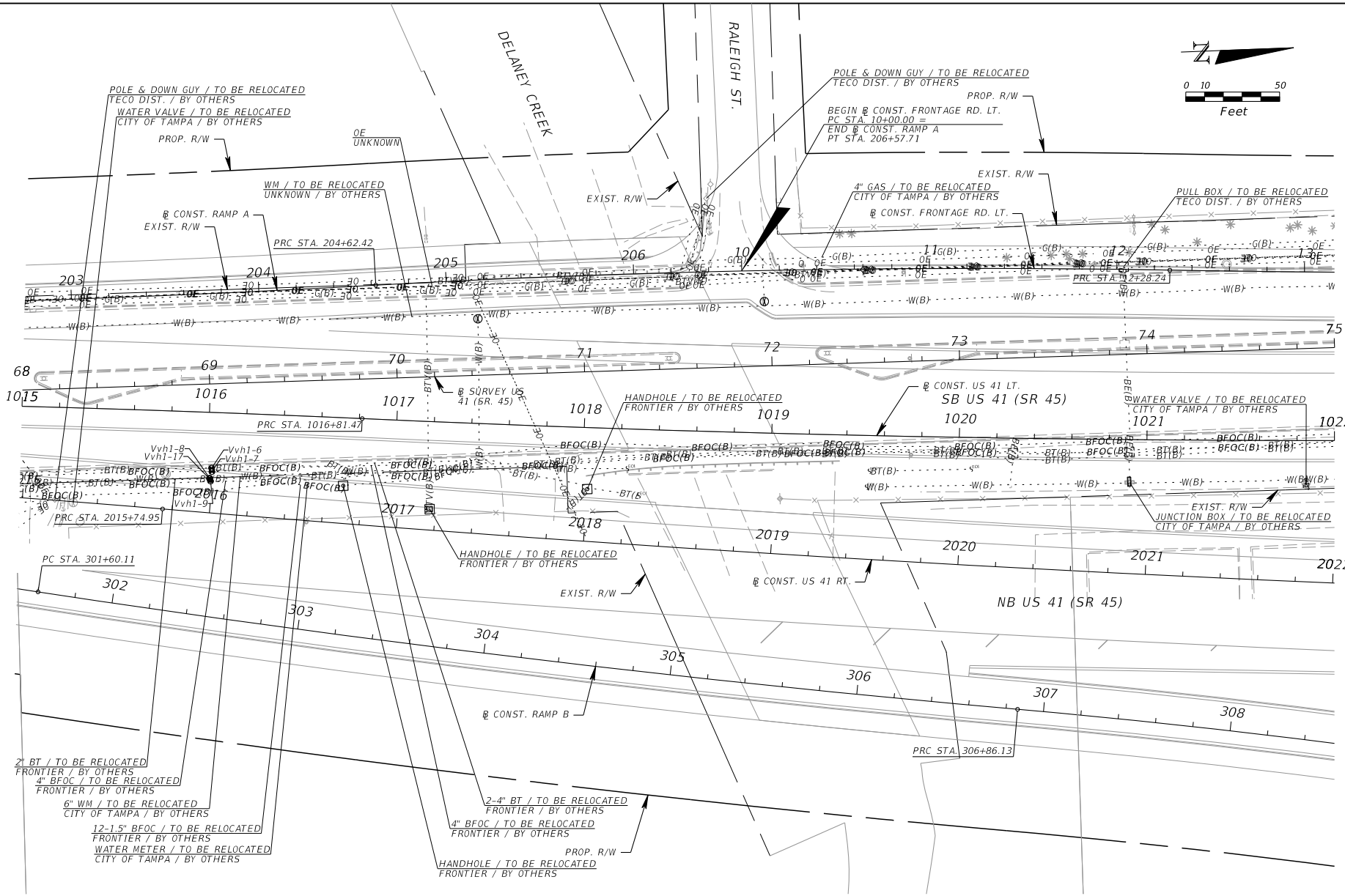

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (3)

SHEET NO.

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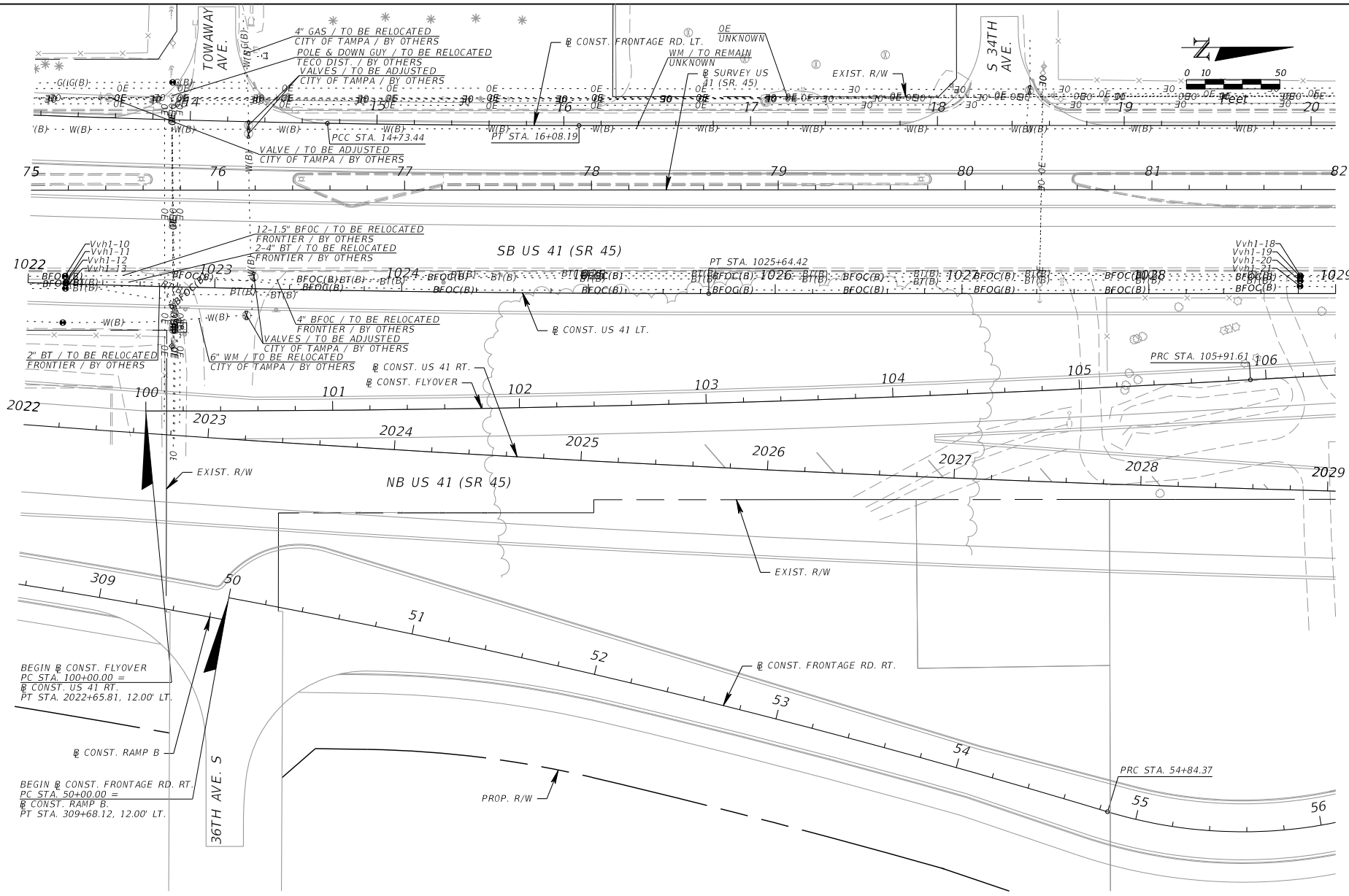

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (4)

SHEET NO.

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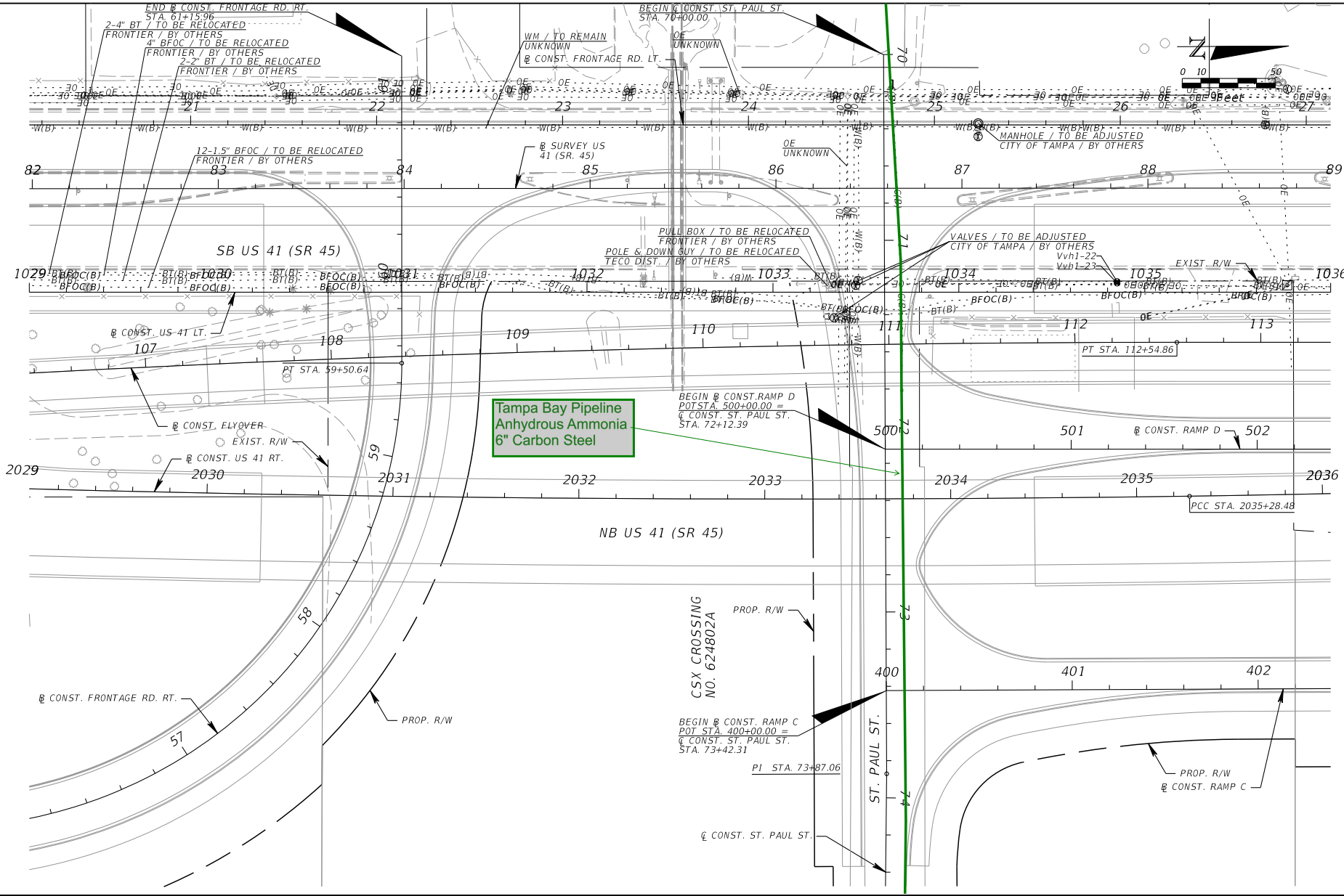

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REVISIONS			
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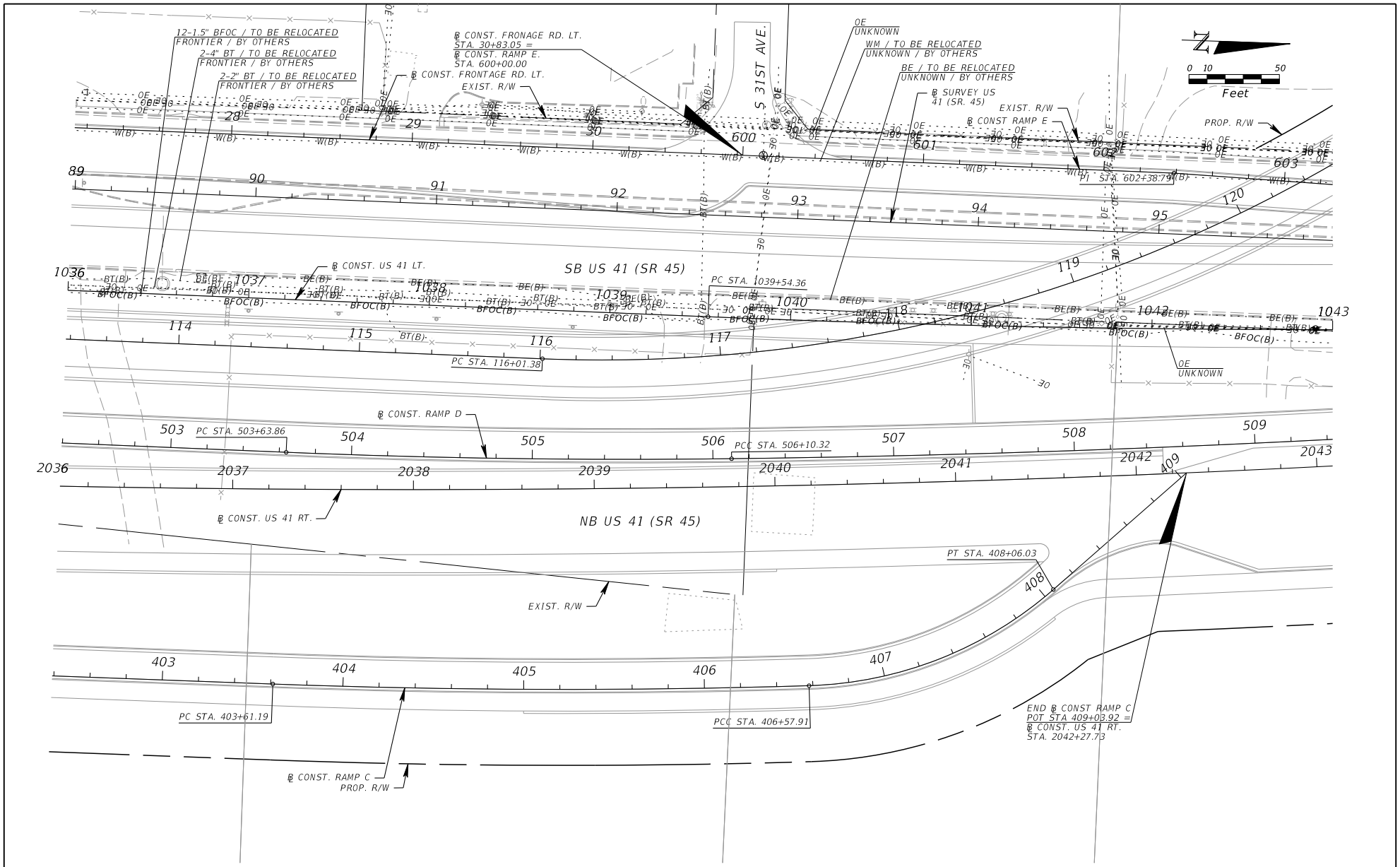
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (5)

SHEET NO.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (6)

SHEET NO.

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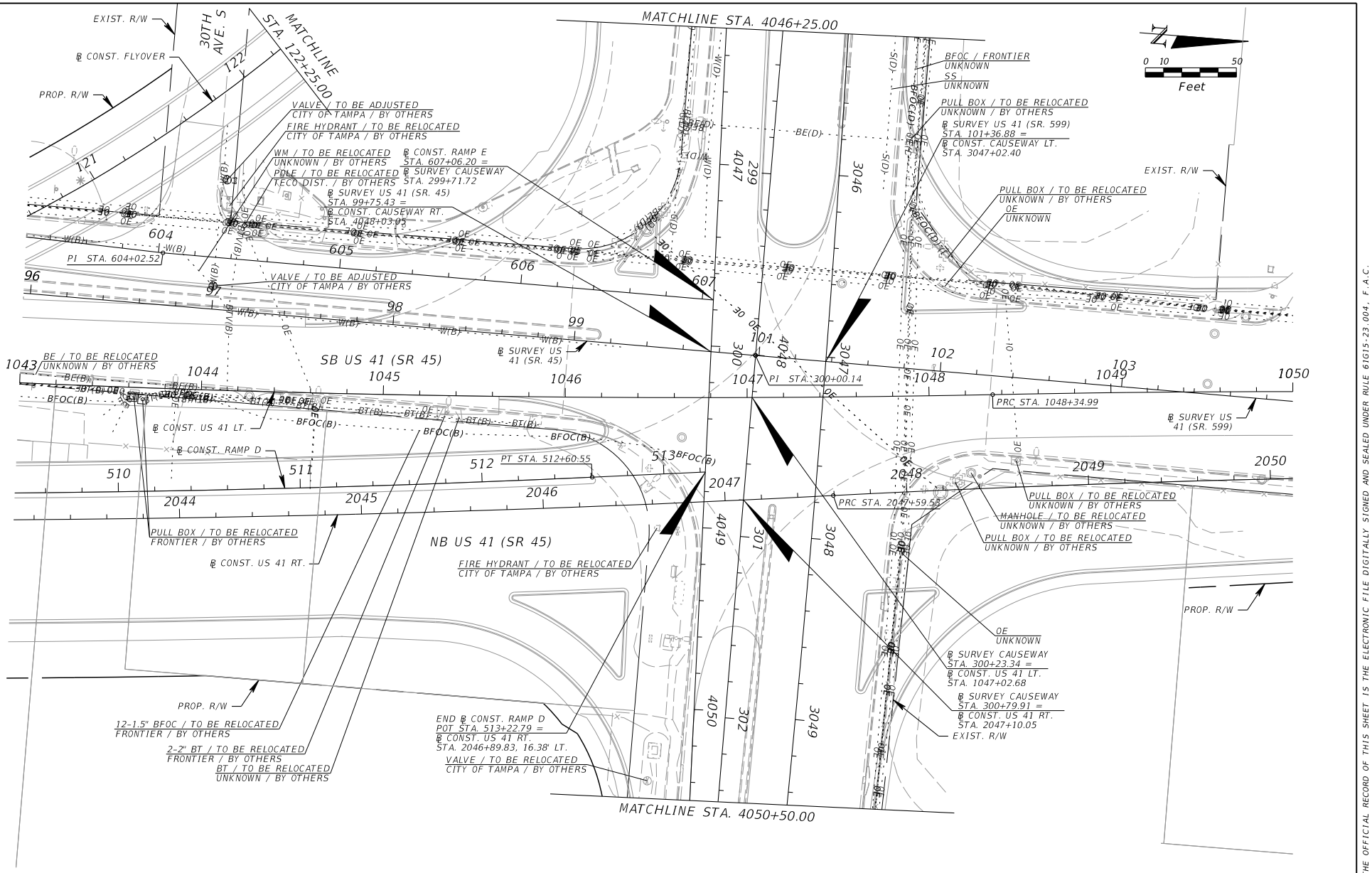

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (7)

SHEET NO.

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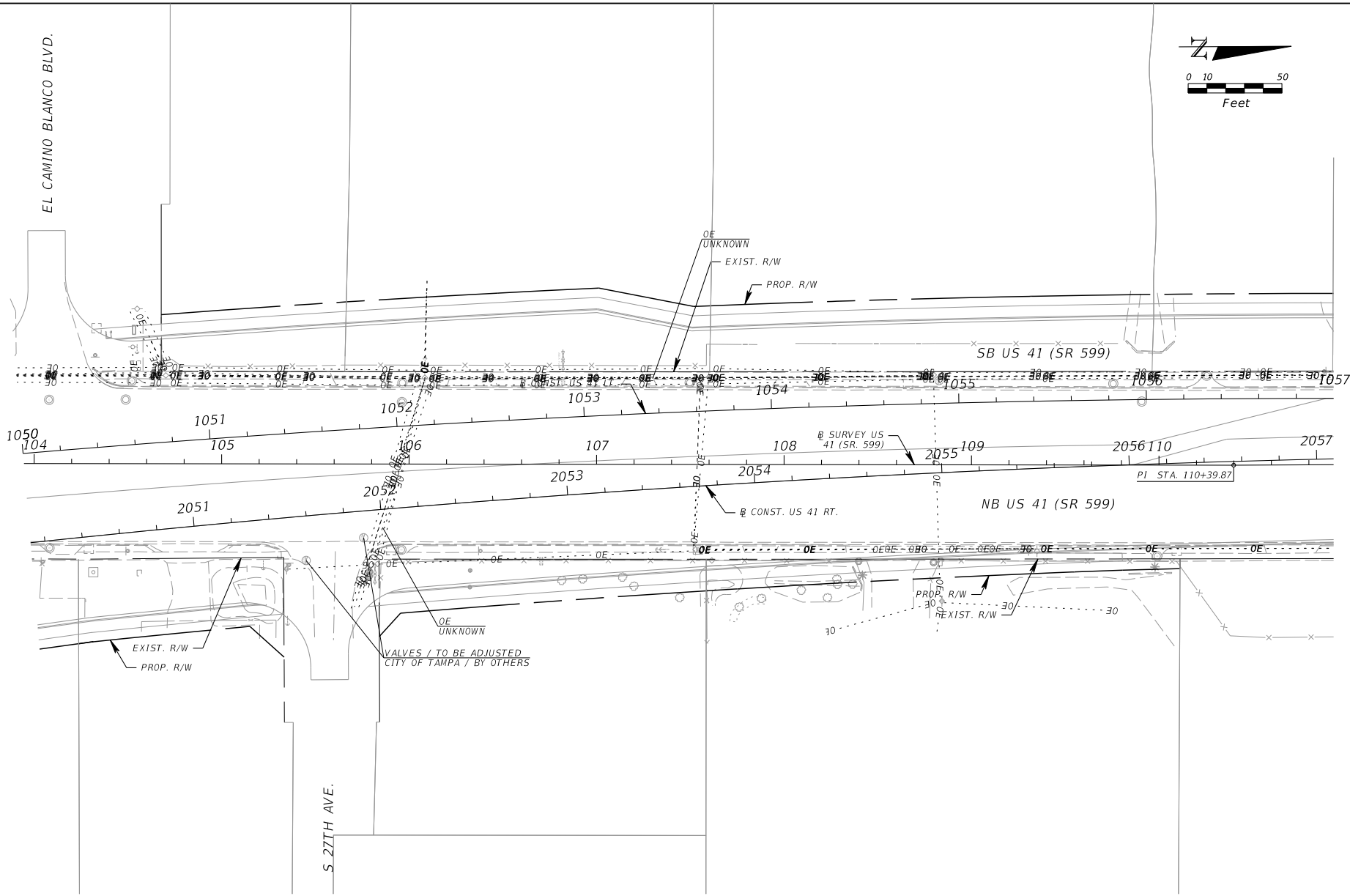

REVISIONS			
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Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (8)

SHEET NO.

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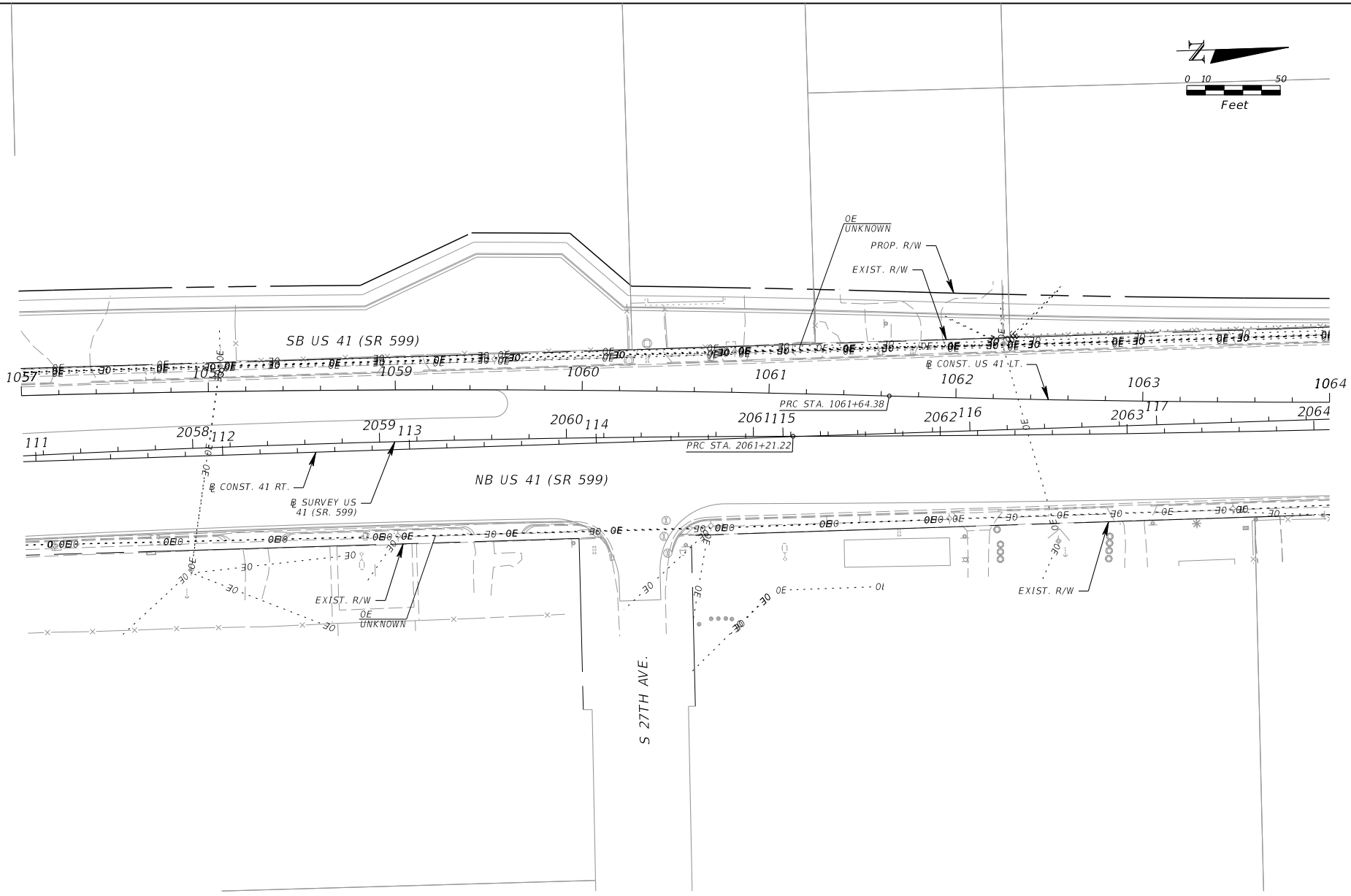

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201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (9)

SHEET NO.

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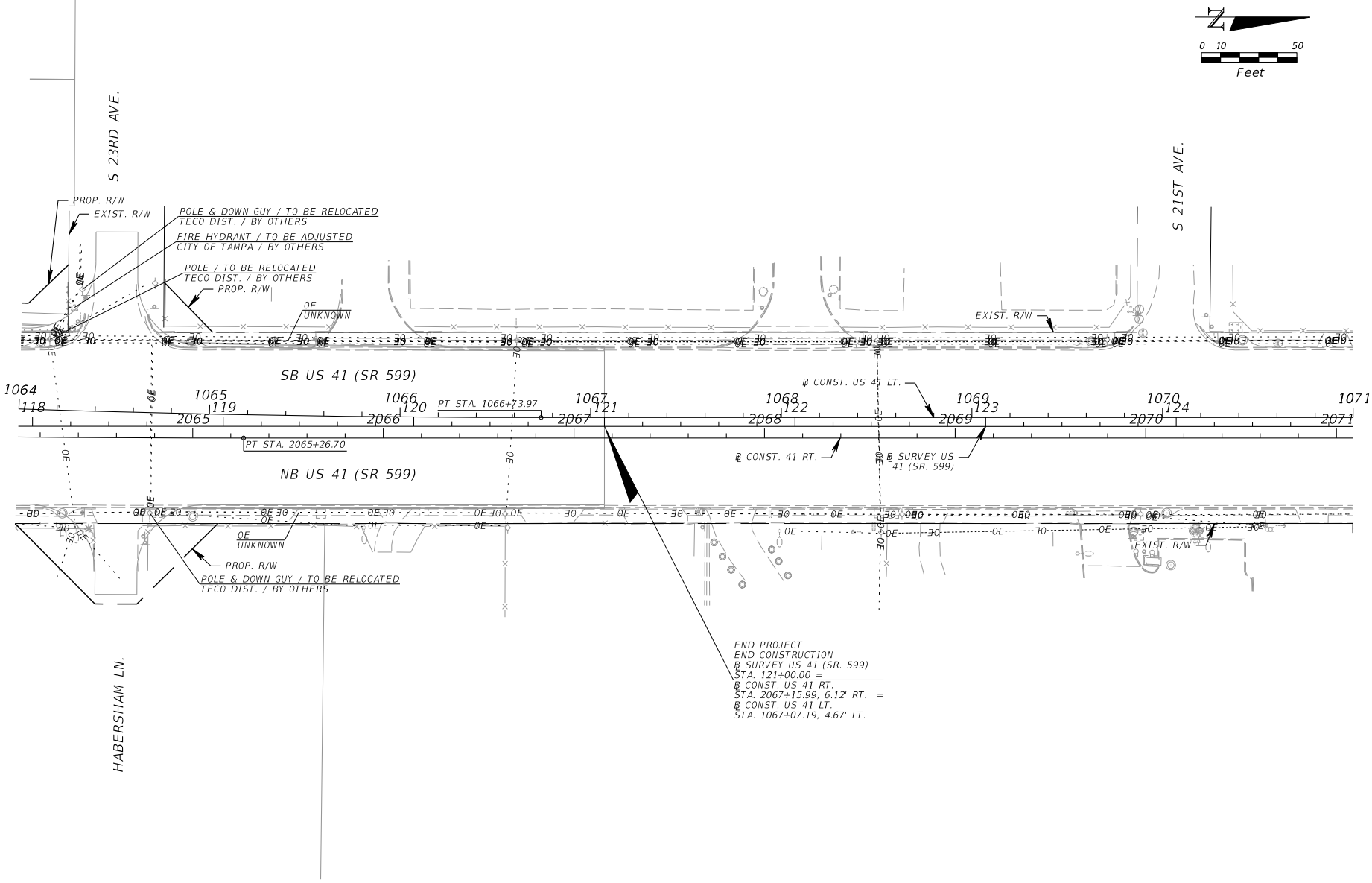

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Engineer of Record: Branan R. Anderson, PE
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (10)

SHEET NO.

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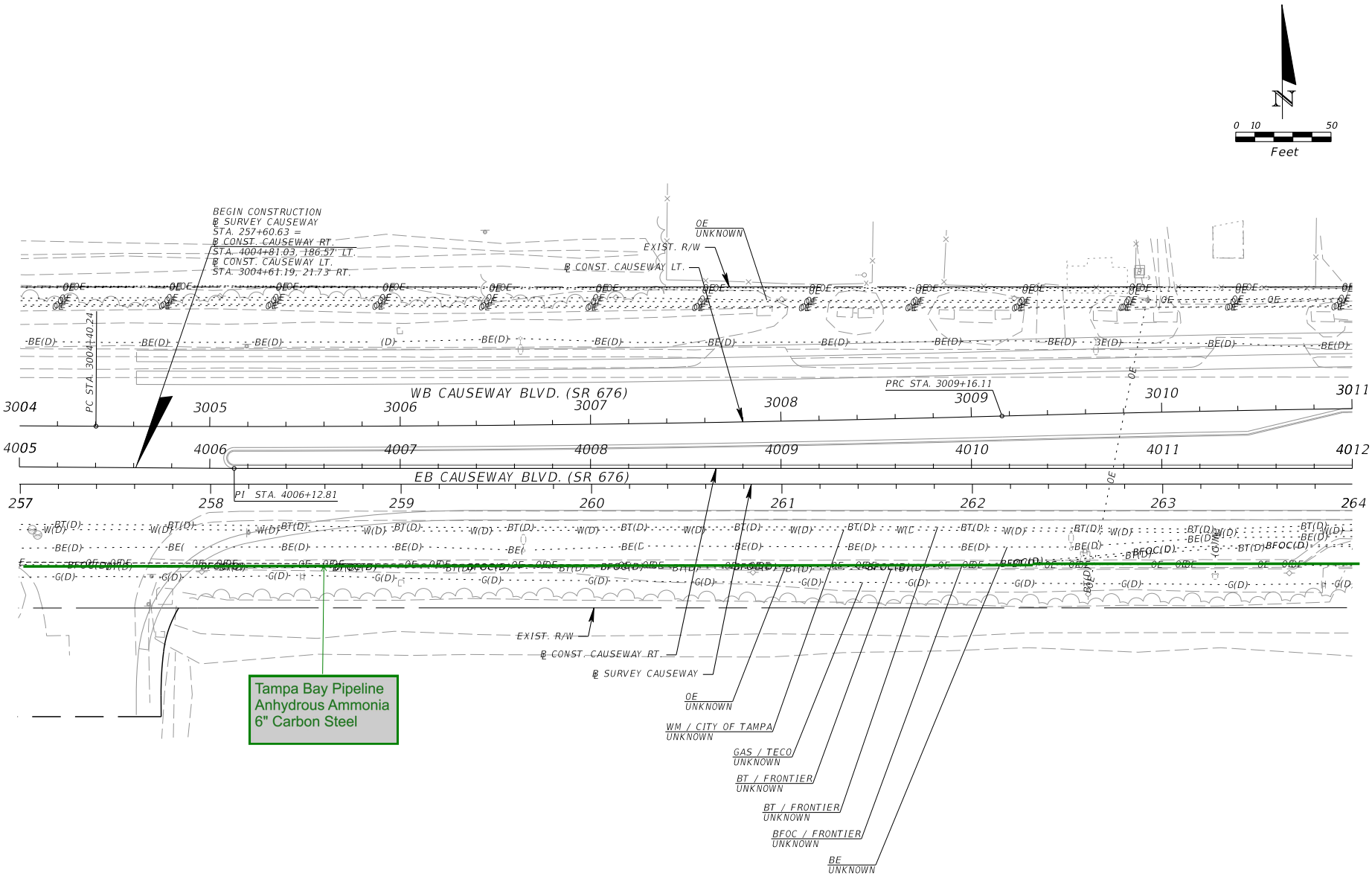

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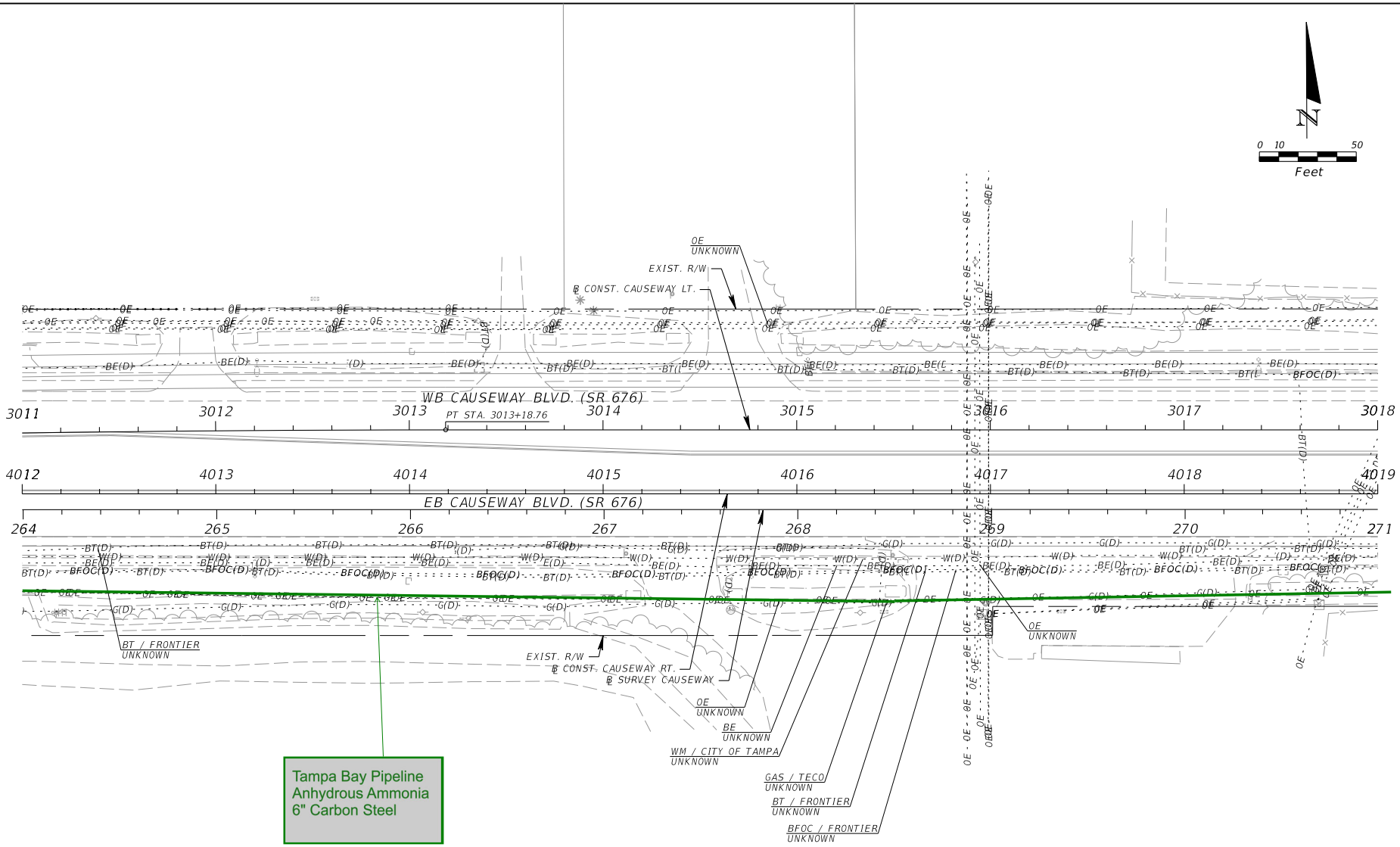
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (11)

SHEET NO.



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Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (12)

SHEET NO.

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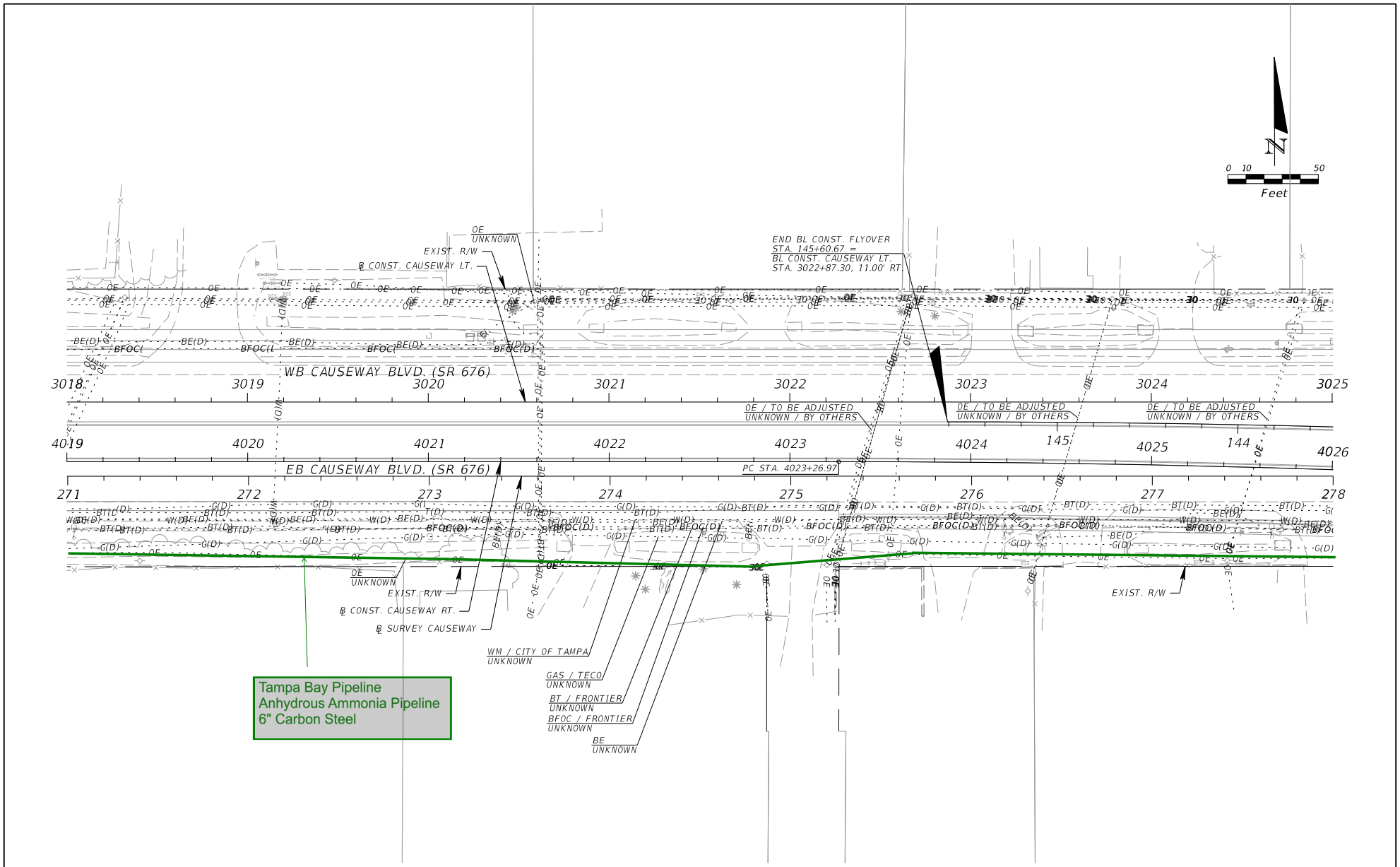

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Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (13)

SHEET NO.

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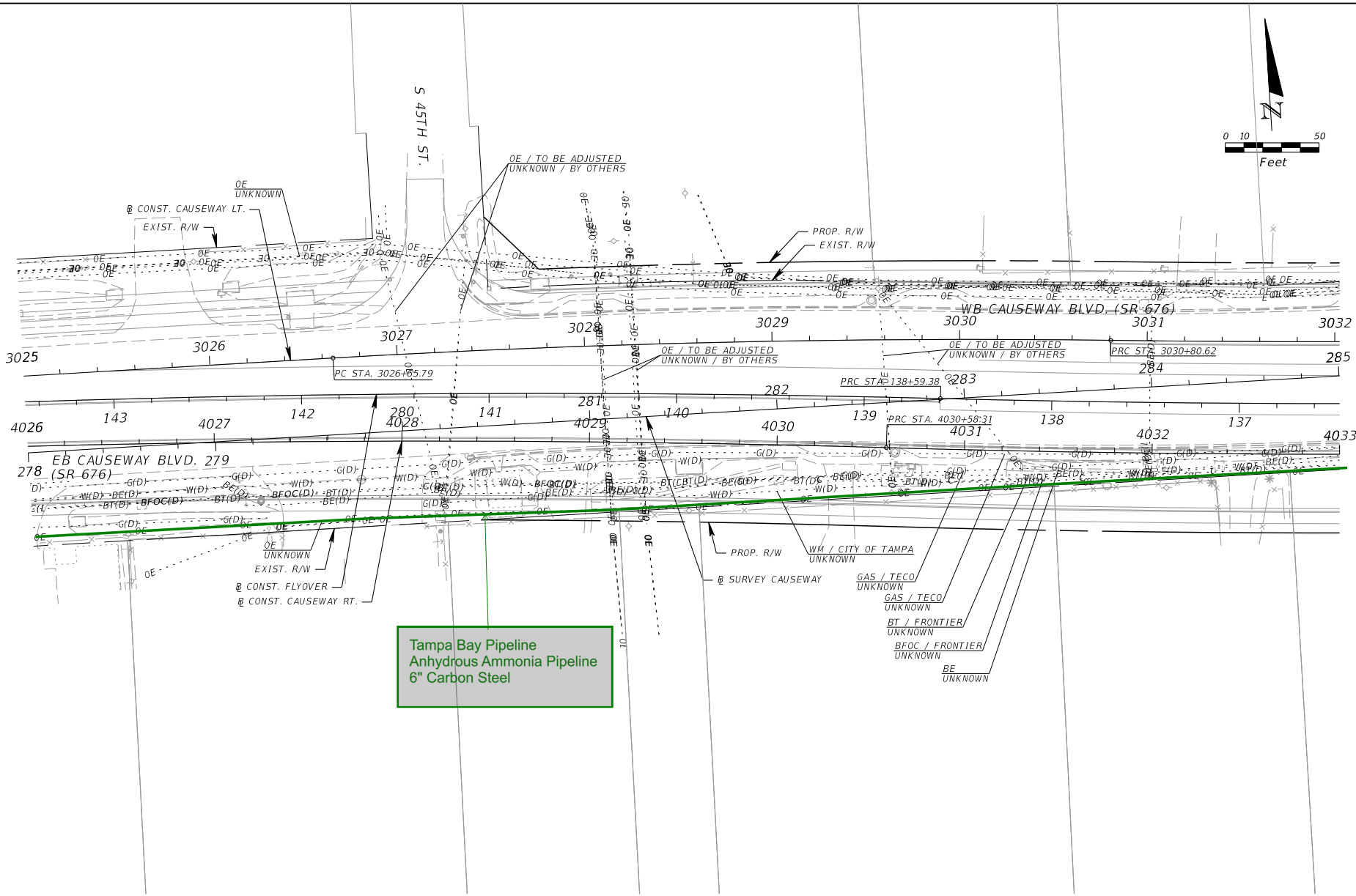

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (14)

SHEET NO.

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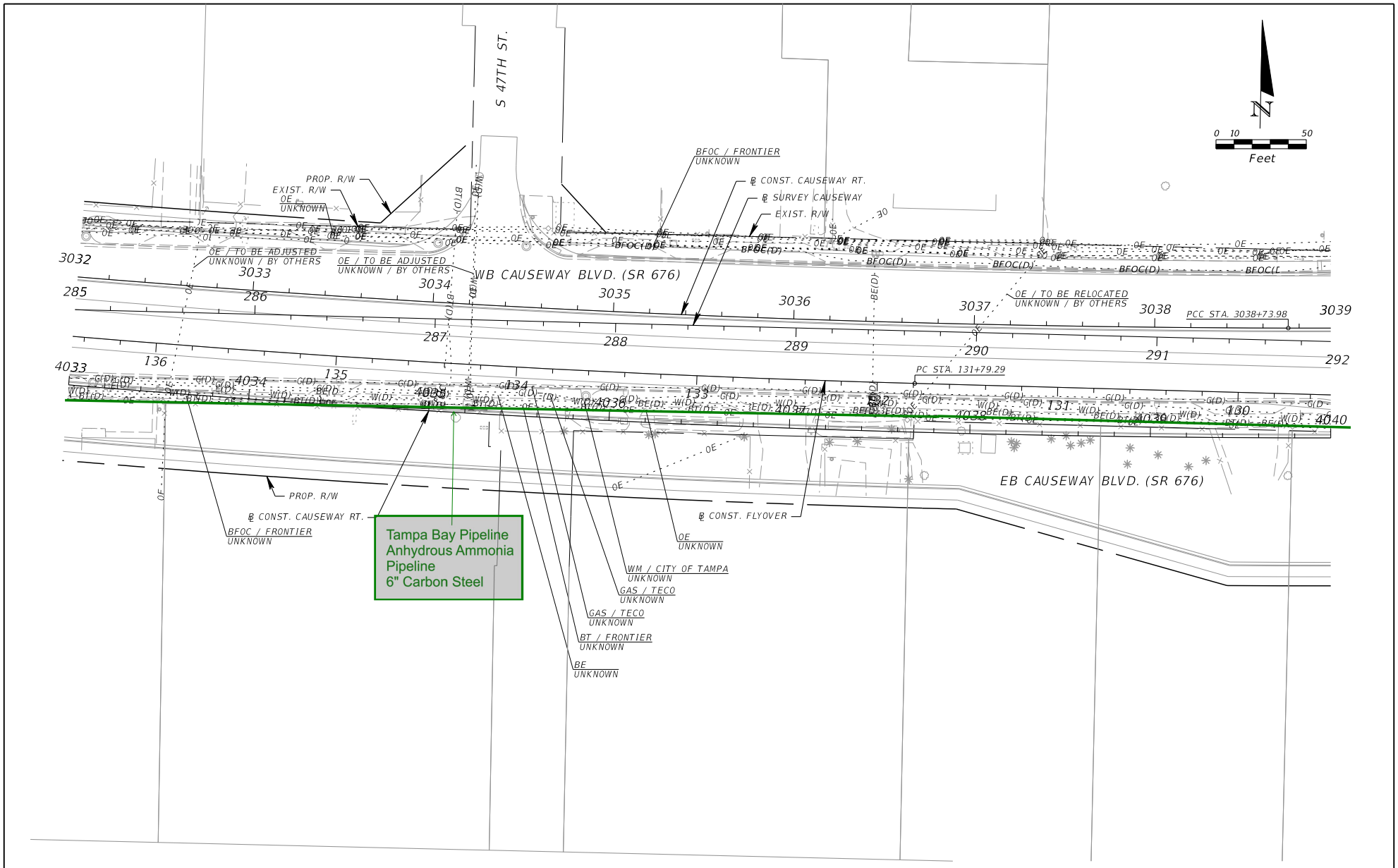

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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
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P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (15)

SHEET NO.

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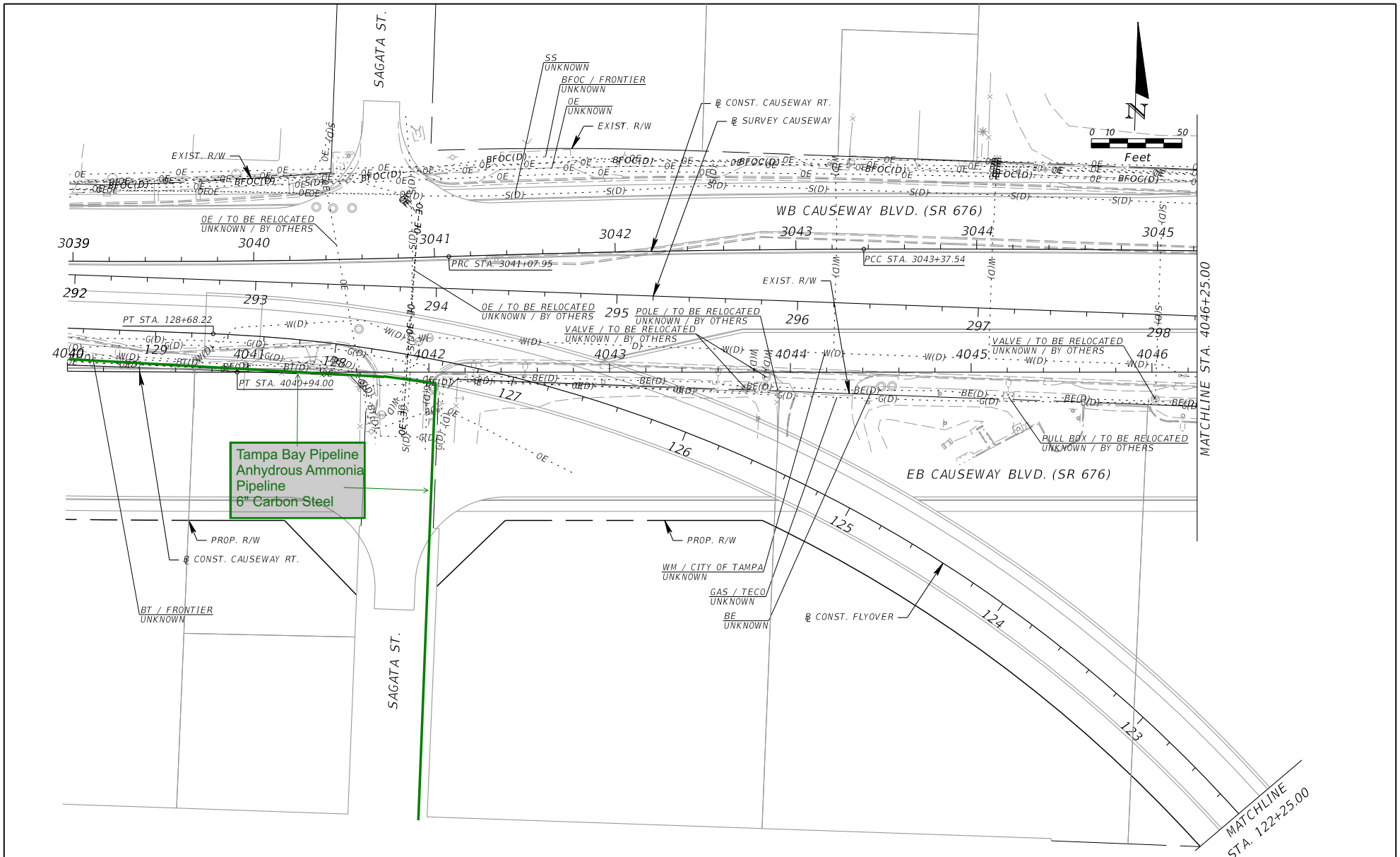

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201 N. Franklin Street, Suite 400
Tampa, Florida 33602
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P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (16)

SHEET NO.

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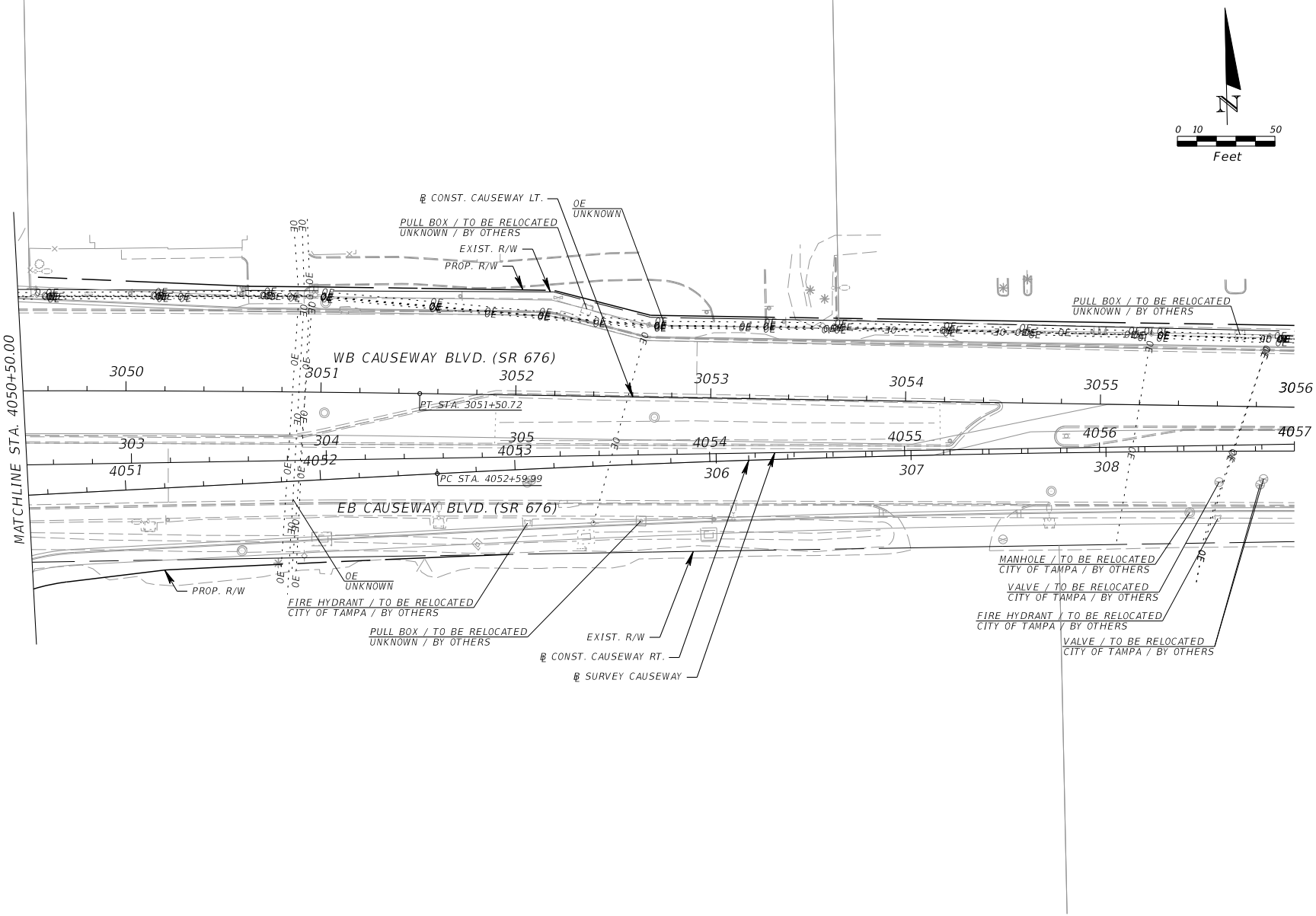

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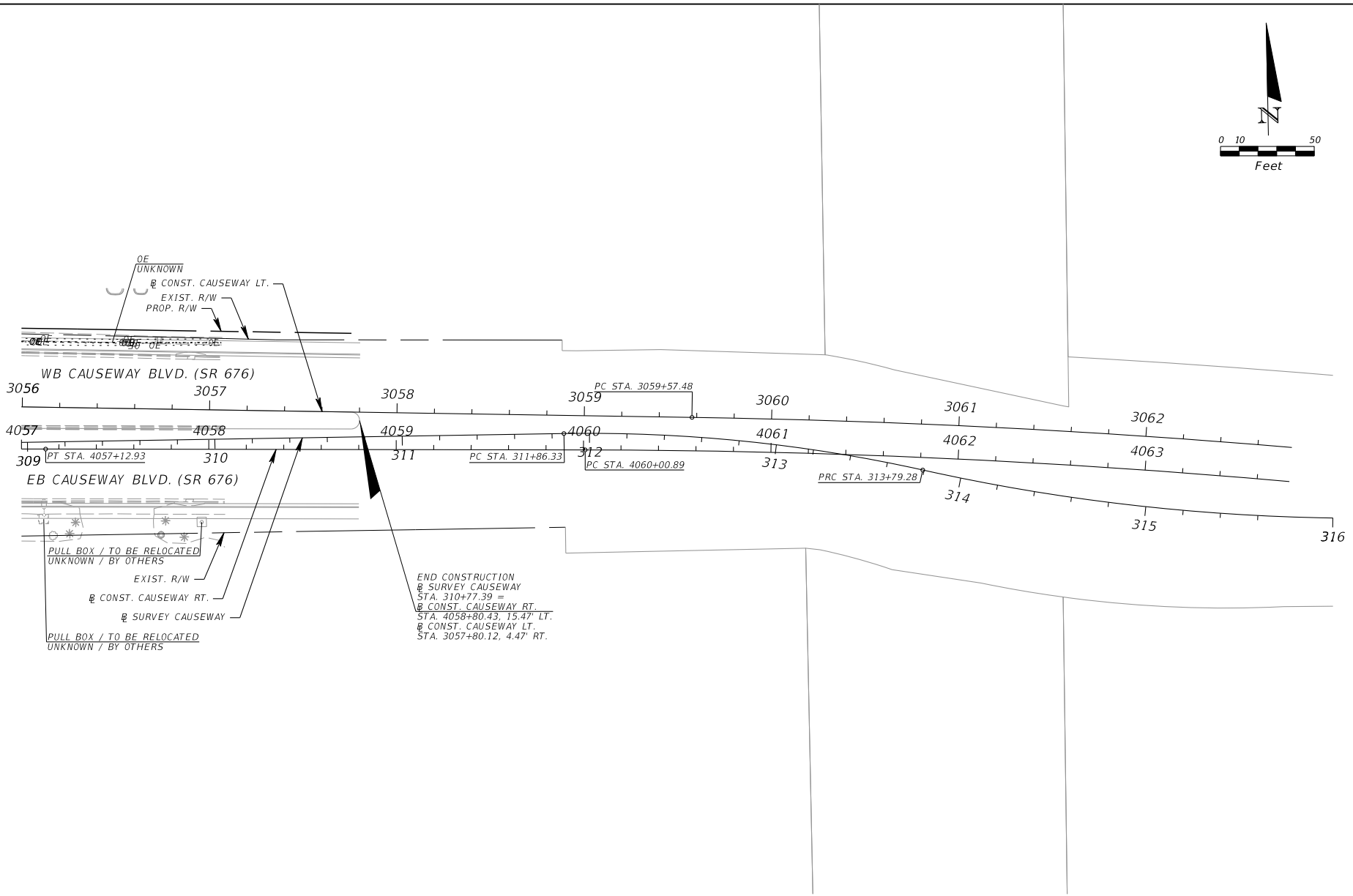
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (17)

SHEET NO.



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Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (18)

SHEET NO.

Date:	12/04/2018	Test Hole Data Report		Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	ECHO UES, Inc. www.echoues.com 888.778.ECHO	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	ECHO UTILITY ENGINEERING & SURVEY - GROW. INSPIRE. MAKE A DIFFERENCE-	General Location:	US 41
Truck No.:	D-3/T-2			Coordinate Unit of Measure:	US Survey Feet

Utility Type			Utility Material			Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass		HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe		IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe		NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride		SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel		X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe		**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe		ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct			CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe		NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	N Utility Direction	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Horizontal: NAD83/11 Vertical: NAVD88 Northing	Easting	Ground Elevation	Utility Elevation
1-1	BT	PVC	2 - 4"	3.26'			IRC	NG	N/A	FRONTIER	1301204.90'	526413.67'	7.51'	4.25'
1-2	WM	CI	6"	3.30'			IRC	NG	N/A	COT	1301205.19'	526416.74'	7.48'	4.18'
1-3	FOC/BT	PVC	4"	2.47'			IRC	NG	N/A	FRONTIER	1301204.95'	526415.25'	7.48'	5.01'
1-4	FOC	PE	12 - 1.5"	8.80'			IRC	NG	N/A	FRONTIER	1301205.12'	526418.96'	7.36'	-1.44'
1-5	CATV	PVC	2 - 2"	5.54'			IRC	NG	N/A	SPECTRUM	1301181.11'	526321.06'	6.85'	1.31'
1-6	BT	PVC	2 - 4"	3.44'			IRC	NG	N/A	FRONTIER	1301811.38'	526417.02'	6.84'	3.40'
1-7	FOC/BT	PVC	4"	2.42'			IRC	NG	N/A	FRONTIER	1301811.47'	526418.97'	6.84'	4.42'
1-8	WM	UNK	UNK	10.06'			IRC	NG	N/A	COT	1301810.12'	526422.34'	6.83'	-3.23'
1-9	FOC/BT	PVC	4"	3.34'			IRC	NG	N/A	FRONTIER	1301810.56'	526424.00'	6.49'	3.15'

Notes: 1-8 - Unable to visually verify size and matterial due to depth and groundwater. Possible 6" cast iron.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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REVISIONS				Kisinger Campo & Associates Corp. 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Engineer of Record: Branan R. Anderson, PE P.E. No.: 78438	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS (19)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	HILLSBOROUGH	440749-1-52-01		

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Date:	12/05/2018	**Test Hole Data Report**		**Crew Members:**	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy.	ECHO UES, Inc.	**City, State:**	Tampa, Florida
Financial Project #:	N/A	Tampa, Florida 33618	www.echoues.com	**General Location:**	US 41
Truck No.:	D-3/T-2	1511 E. SR434, Ste. 2001, #252	888.778.ECHO	**Coordinate Unit of Measure:**	US Survey Feet
		Winter Springs, Florida 32708	- GROW, INSPIRE, MAKE A DIFFERENCE-		

ECHO UTILITY ENGINEERING & SURVEY

Utility Type		Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water	AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
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FOC = Fiber Optic Cable	FL = Fuel Line	DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service	CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service	CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility	CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct	DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct	DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	N / Utility Direction	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Northing	Datums: Easting	Horizontal: NAD83/11 Vertical: NAVD88 Ground Elevation	Utility Elevation
1-10	FOC	PE	12 - 1.5"	3.96'			IRC	NG	N/A	FRONTIER	1302430.03'	526421.52'	6.62'	2.66'
1-11	BT	PVC	2 - 4"	2.50'			IRC	NG	N/A	FRONTIER	1302430.50'	526424.77'	6.68'	4.18'
1-12	FOC/BT	PVC	4"	1.90'			IRC	NG	N/A	FRONTIER	1302430.47'	526425.15'	6.69'	4.79'
1-13	BT	DBC	2"	1.56'			IRC	NG	N/A	FRONTIER	1302430.15'	526428.11'	6.81'	5.25'
1-14	WM	DIP	6"	3.40'			IRC	NG	N/A	COT	1302428.62'	526446.38'	8.20'	4.80'
1-15	GM	STL	4"	3.00'			IRC	NG	N/A	COT	1302488.18'	526318.06'	6.08'	3.08'
1-16	BT	PVC	4"	3.50'			IRC	NG	N/A	FRONTIER	1301205.22'	526417.96'	7.50'	4.00'
1-17	BT	DBC	2"	3.00'			IRC	NG	N/A	FRONTIER	1301810.09'	526422.72'	6.80'	3.80'

Notes:

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (20)

SHEET NO.

Date:	12/06/2018	**Test Hole Data Report**		**Crew Members:**	DW, TG, MAJ
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy.	ECHO UES, Inc.	**City, State:**	Tampa, Florida
Financial Project #:	N/A	Tampa, Florida 33618	www.echoues.com	**General Location:**	US 41
Truck No.:	D-3/T-2	1511 E. SR434, Ste. 2001, #252	888.778.ECHO	**Coordinate Unit of Measure:**	US Survey Feet
		Winter Springs, Florida 32708	ECHO UTILITY ENGINEERING & SURVEY - GROW. INSPIRE. MAKE A DIFFERENCE-		

Utility Type		Utility Material		Identified By:	Abbreviations	Offset Measured From:
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BT = Buried Telephone	TS = Traffic Signal	CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line	DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
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SAN = Sanitary Sewer	WS = Water Service	CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility	CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct	DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct	DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	N Utility Direction	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Horizontal: NAD83/11 Vertical: NAVD88 Northing	Easting	Ground Elevation	Utility Elevation
1-18	BT	PVC	2 - 4"	3.82'			IRC	NG	N/A	FRONTIER	1303091.15'	526425.13'	7.04'	3.22'
1-19	FOC/BT	PVC	4"	2.54'			IRC	NG	N/A	FRONTIER	1303091.17'	526425.73'	6.99'	4.45'
1-20	BT	LEAD	2 - 2"	3.00'			IRC	NG	N/A	FRONTIER	1303091.09'	526427.92'	6.86'	3.86'
1-21	FOC	UNK	12 - 1.5"	9.22'			IRC	NG	N/A	FRONTIER	1303091.01'	526430.76'	6.58'	-2.64'
1-22	BT	LEAD	2 - 2"	2.00'			IRC	NG	N/A	FRONTIER	1303695.15'	526432.46'	6.77'	4.77'
1-23	BT	PVC	2 - 4"	2.76'			IRC	NG	N/A	FRONTIER	1303695.20'	526433.46'	6.70'	3.94'
1-24	BT	LEAD	2 - 2"	2.74'			IRC	NG	N/A	FRONTIER	1304500.45'	526435.53'	7.28'	4.54'

Notes: 1-21 - Unable to visually verify size and material due to depth and groundwater Possibly 12 - 1.5" polyethylene pipes.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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REVISIONS				Kisinger Campo & Associates Corp.	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS (21)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Engineer of Record: Branan R. Anderson, PE P.E. No.: 78438	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	HILLSBOROUGH	440749-1-52-01		

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

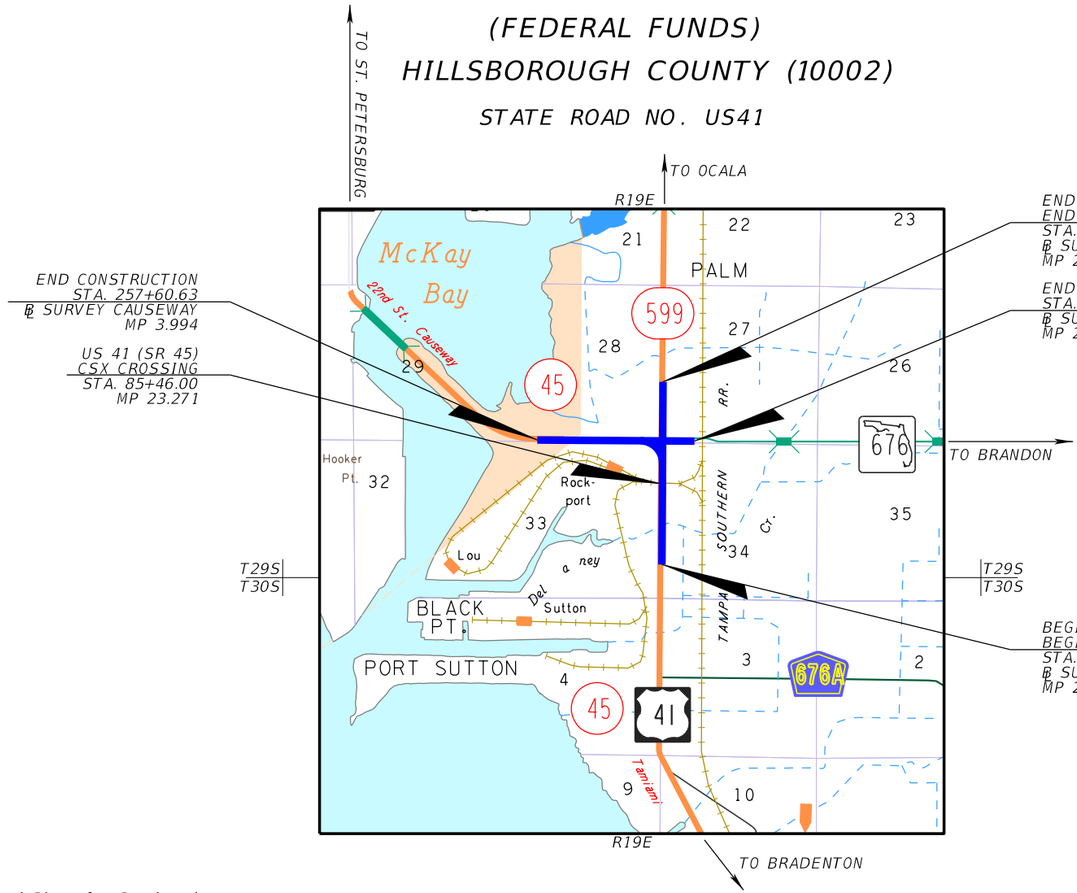
CONTRACT PLANS

FINANCIAL PROJECT ID 440749-1-52-01

(FEDERAL FUNDS)

HILLSBOROUGH COUNTY (10002)

STATE ROAD NO. US41



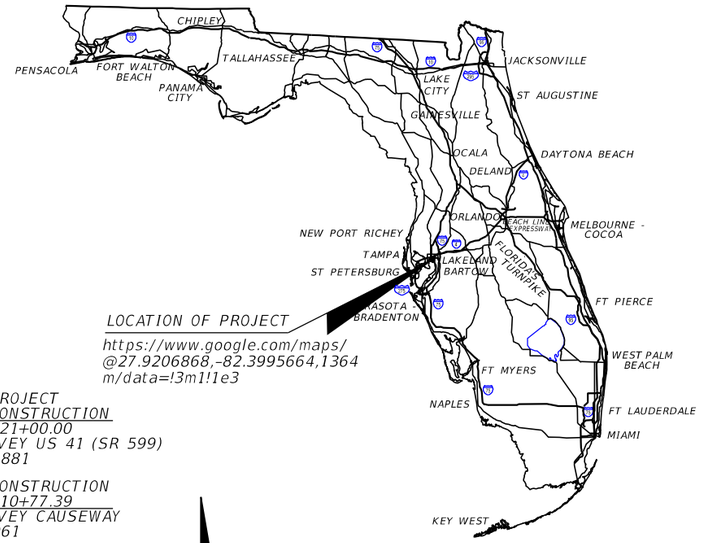
END CONSTRUCTION
STA. 257+60.63
℄ SURVEY CAUSEWAY
MP 3.994

US 41 (SR 45)
CSX CROSSING
STA. 85+46.00
MP 23.271

END PROJECT
END CONSTRUCTION
STA. 121+00.00
℄ SURVEY US 41 (SR 599)
MP 23.881

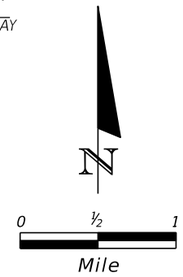
END CONSTRUCTION
STA. 310+77.39
℄ SURVEY CAUSEWAY
MP 2.961

BEGIN PROJECT
BEGIN CONSTRUCTION
STA. 58+31.17
℄ SURVEY US 41 (SR. 45)
MP 22.756



LOCATION OF PROJECT

https://www.google.com/maps/@27.9206868,-82.3995664,1364m/data=!3m1!1e3



GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2021-22 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

APPLICABLE IRs: N/A

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

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

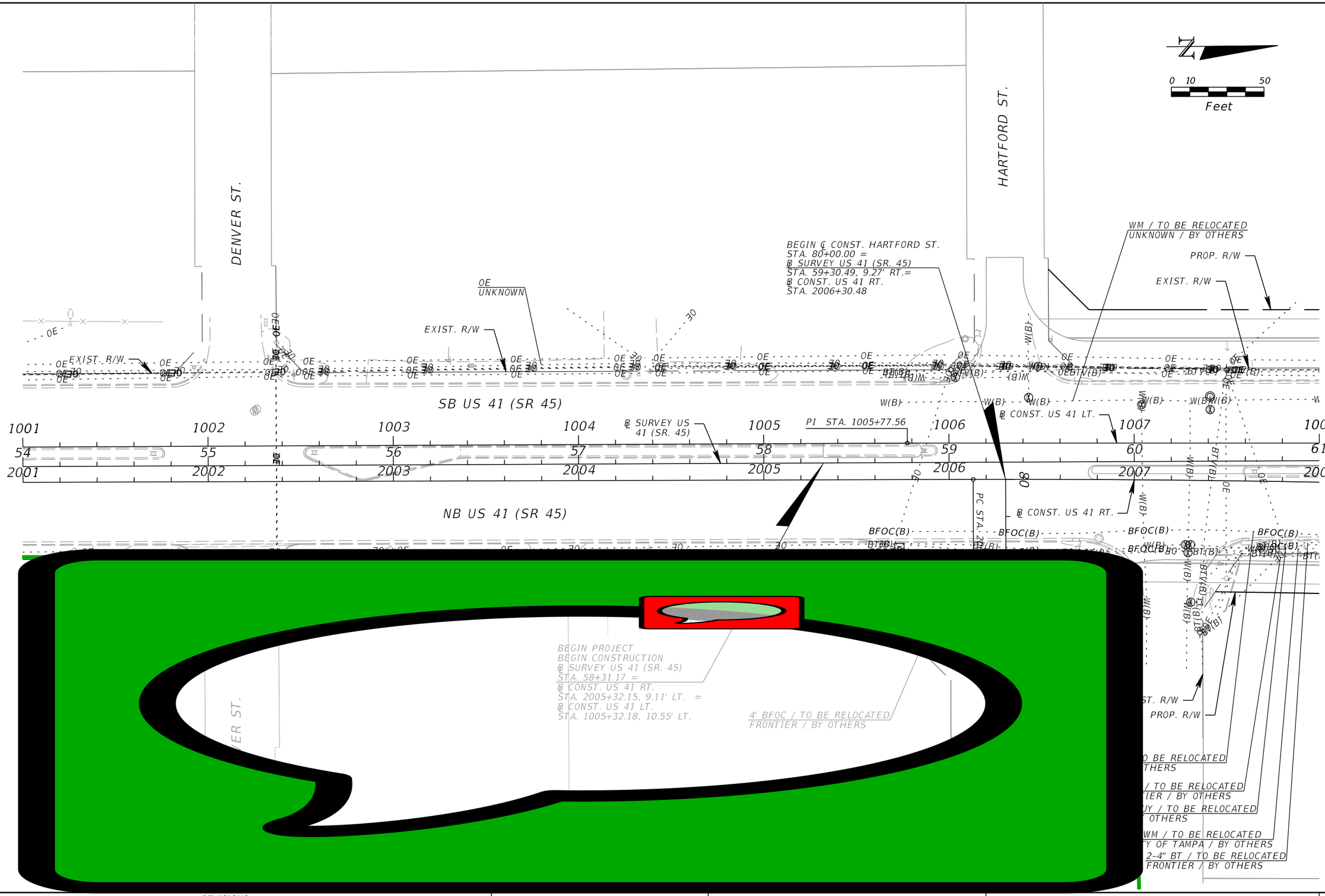
ROADWAY PLANS ENGINEER OF RECORD:

BRANAN R. ANDERSON, P.E. NO.: 78438
KISINGER CAMPO AND ASSOCIATES CORP.
CONSULTING ENGINEERS & PLANNERS
201 N. FRANKLIN STREET, SUITE 400
TAMPA, FLORIDA 33602
(813) 871-5331
VENDOR NUMBER.: F59-1677145

FDOT PROJECT MANAGER:

TIM O'BRIEN P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	21	1



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (1)

SHEET NO.

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N

0 10 50

Feet

TRENTON ST.

BEGIN ℄ CONST. RAMP A
PC STA. 200+00.00 =
℄ SURVEY US 41 (SR. 45).
STA. 65+27.85, 51.80' LT.
℄ CONST. US 41 LT.
STA. 2012+26.37, 48.00' LT.

℄ CONST. RAMP A

PROP. R/W

EXIST. R/W

WM / TO BE RELOCATED
UNKNOWN / BY OTHERS

OE
UNKNOWN

4" GAS / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

4" CS GM / RETIRED OSS
TO REMAIN TECO PGS

Vvh1-5

℄ CONST. US 41 LT.

PC STA. 1009+51.21

℄ CONST. US 41 RT.

Vvh1-1
Vvh1-3
Vvh1-4
Vvh1-2

EXIST. R/W

PROP. R/W

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

WATER METER / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

6" WM / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

HANDHOLE / TO BE RELOCATED
FRONTIER / BY OTHERS

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

NB US 41 (SR 45)

WATER METER / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

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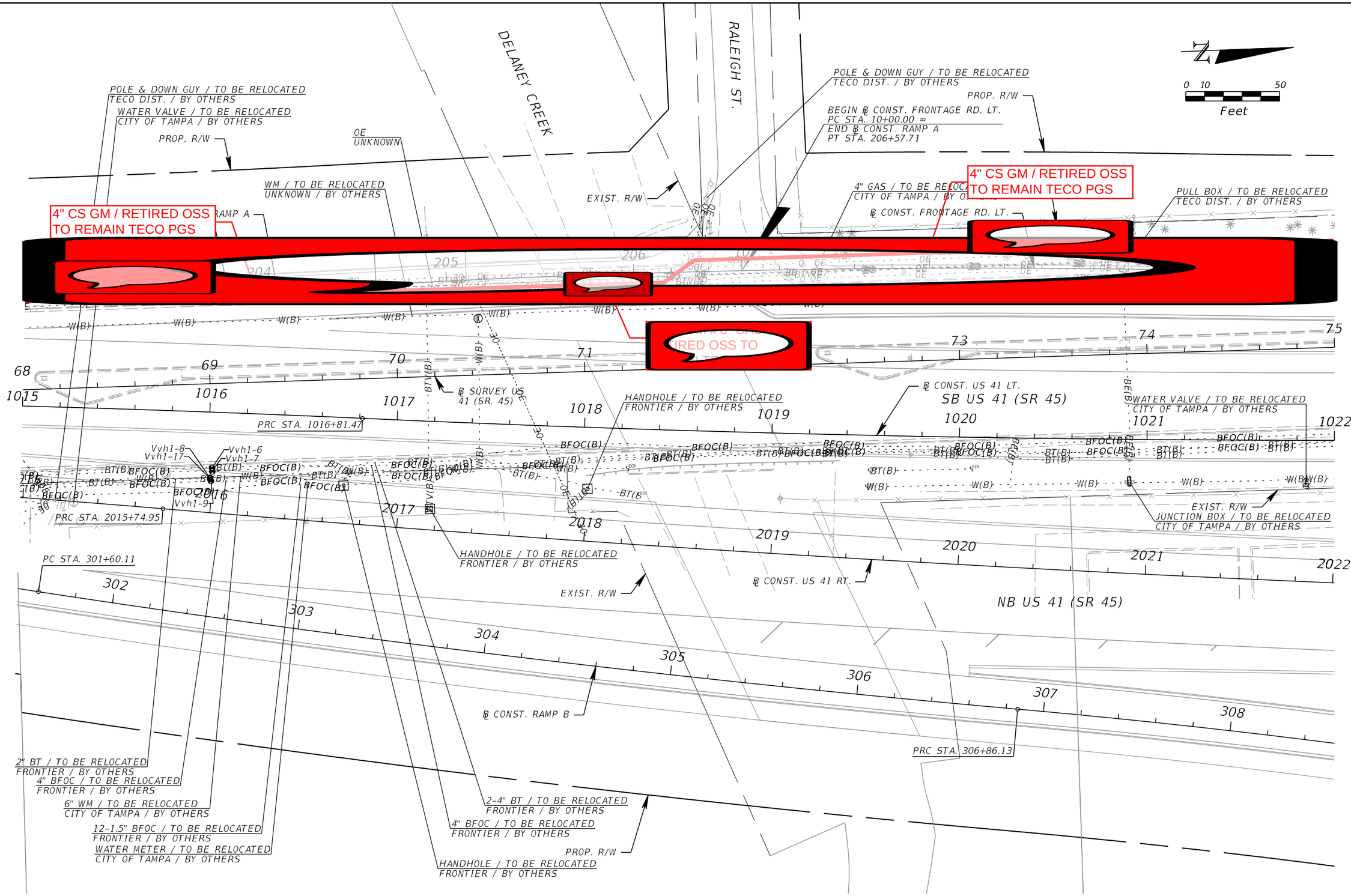
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (2)

SHEET NO.



REVISIONS			
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Kisinger Campo & Associates Corp.
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Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (3)

SHEET NO.

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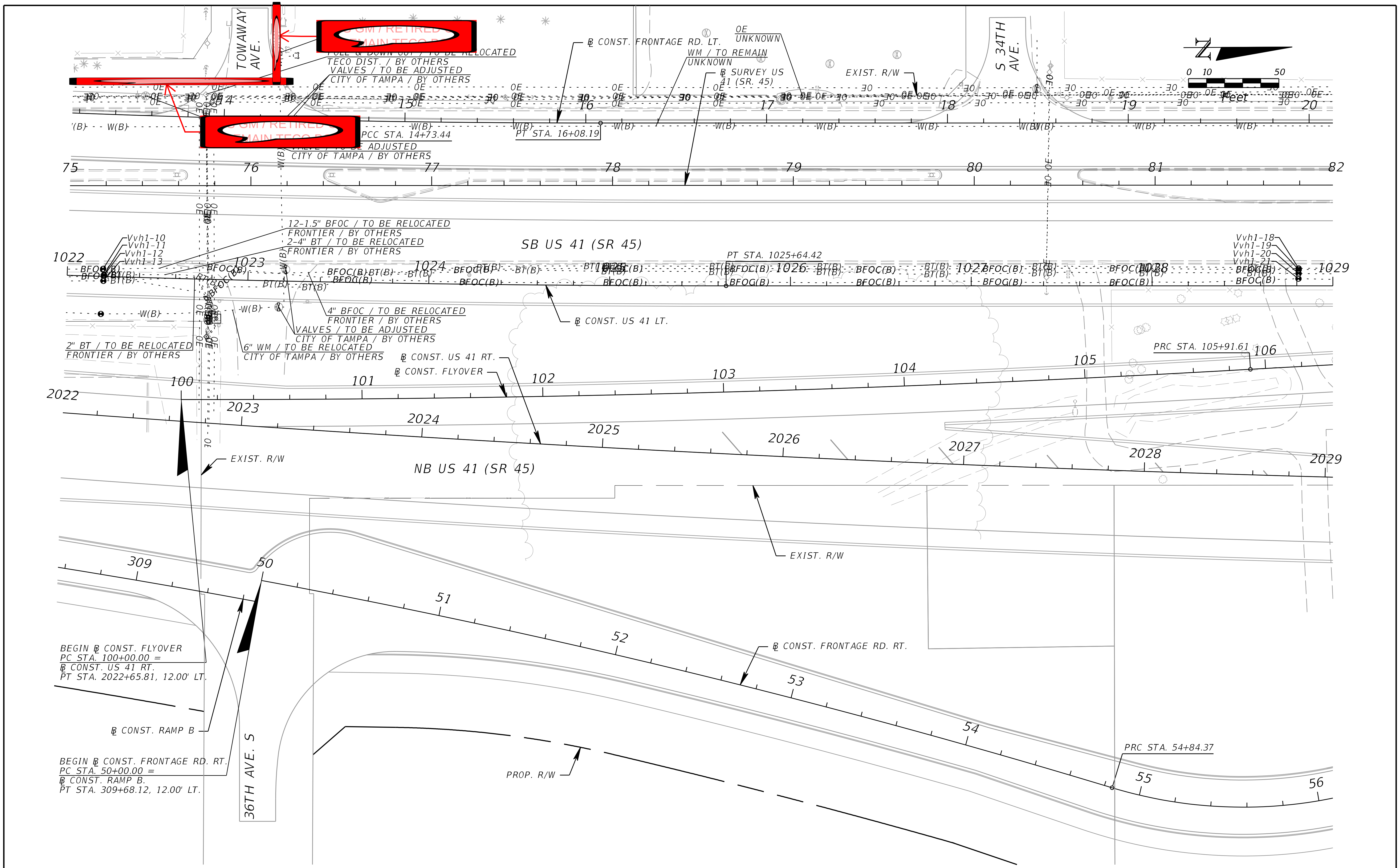

TOWAWAY AVE.
[redacted]
POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS
VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
[redacted]
PCC STA. 14+73.44
VALVE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
℄ CONST. FRONTAGE RD. LT.
OE UNKNOWN
WM / TO REMAIN UNKNOWN
℄ SURVEY US 41 (SR. 45)
EXIST. R/W
S 34TH AVE.
Feet
0 10 50
PT STA. 16+08.19
75 76 77 78 79 80 81 82
15 16 17 18 19 20
12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
SB US 41 (SR 45)
PT STA. 1025+64.42
Vvh1-10
Vvh1-11
Vvh1-12
Vvh1-13
Vvh1-18
Vvh1-19
Vvh1-20
Vvh1-21
1022 1023 1024 1026 1027 1028 1029
4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
℄ CONST. US 41 LT.
2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
6" WM / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
℄ CONST. US 41 RT.
℄ CONST. FLYOVER
PRC STA. 105+91.61
100 101 102 103 104 105 106
2022 2023 2024 2025 2026 2027 2028 2029
EXIST. R/W
NB US 41 (SR 45)
EXIST. R/W
309 50 51 52 53 54 55 56
BEGIN ℄ CONST. FLYOVER
PC STA. 100+00.00 =
℄ CONST. US 41 RT.
PT STA. 2022+65.81, 12.00' LT.
℄ CONST. FRONTAGE RD. RT.
℄ CONST. RAMP B
BEGIN ℄ CONST. FRONTAGE RD. RT.
PC STA. 50+00.00 =
℄ CONST. RAMP B.
PT STA. 309+68.12, 12.00' LT.
36TH AVE. S
PROP. R/W
PRC STA. 54+84.37

REVISIONS			
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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (4)

SHEET NO.

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END ℄ CONST. FRONTAGE RD. RT.
STA. 61+15.96
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
WM / TO REMAIN
UNKNOWN
℄ CONST. FRONTAGE RD. LT.
BEGIN ℄ CONST. ST. PAUL ST.
STA. 70+00.00
OE
UNKNOWN
℄ SURVEY US
41 (SR. 45)
OE
UNKNOWN
MANHOLE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
PULL BOX / TO BE RELOCATED
FRONTIER / BY OTHERS
POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS
VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
Vvh1-22
Vvh1-23
EXIST. R/W
SB US 41 (SR 45)
℄ CONST. US 41 LT.
PT STA. 59+50.64
PT STA. 112+54.86
BEGIN ℄ CONST.RAMP D
POTSTA. 500+00.00 =
℄ CONST. ST. PAUL ST.
STA. 72+12.39
℄ CONST. FLYOVER
EXIST. R/W
℄ CONST. US 41 RT.
℄ CONST. RAMP D
PCC STA. 2035+28.48
NB US 41 (SR 45)
CSX CROSSING
NO. 624802A
PROP. R/W
℄ CONST. FRONTAGE RD. RT.
PROP. R/W
BEGIN ℄ CONST. RAMP C
POT STA. 400+00.00 =
℄ CONST. ST. PAUL ST.
STA. 73+42.31
PI STA. 73+87.06
ST. PAUL ST.
℄ CONST. ST. PAUL ST.
PROP. R/W
℄ CONST. RAMP C
0 10 50
SHEET

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (5)

SHEET NO.

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
℄ CONST. FRONAGE RD. LT.
STA. 30+83.05 =
℄ CONST. RAMP E.
STA. 600+00.00
℄ CONST. FRONTAGE RD. LT.
EXIST. R/W
S 31ST AVE.
OE
UNKNOWN
WM / TO BE RELOCATED
UNKNOWN / BY OTHERS
BE / TO BE RELOCATED
UNKNOWN / BY OTHERS
℄ SURVEY US
41 (SR. 45)
EXIST. R/W
℄ CONST RAMP E
PROP. R/W
PI STA. 602+38.79
℄ CONST. US 41 LT.
SB US 41 (SR 45)
PC STA. 1039+54.36
PC STA. 116+01.38
℄ CONST. RAMP D
PC STA. 503+63.86
PCC STA. 506+10.32
℄ CONST. US 41 RT.
NB US 41 (SR 45)
EXIST. R/W
PT STA. 408+06.03
PC STA. 403+61.19
PCC STA. 406+57.91
END ℄ CONST RAMP C
POT STA 409+03.92 =
℄ CONST. US 41 RT.
STA. 2042+27.73
℄ CONST. RAMP C
PROP. R/W
0 10 50
Feet

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P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (6)

SHEET NO.

EXIST. R/W
℄ CONST. FLYOVER
PROP. R/W
30TH AVE. S
122
121
MATCHLINE STA. 122+25.00
VALVE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
WM / TO BE RELOCATED
UNKNOWN / BY OTHERS
POLE / TO BE RELOCATED
TECO DIST. / BY OTHERS
℄ SURVEY US 41 (SR. 45)
STA. 99+75.43 =
℄ CONST. CAUSEWAY RT.
STA. 4048+03.05
℄ CONST. RAMP E
STA. 607+06.20 =
℄ SURVEY CAUSEWAY
STA. 299+71.72
PI STA. 604+02.52
VALVE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
604
605
606
96
97
98
99
℄ SURVEY US
41 (SR. 45)
SB US 41 (SR 45)
BE / TO BE RELOCATED
UNKNOWN / BY OTHERS
1043
1044
1045
1046
℄ CONST. US 41 LT.
℄ CONST. RAMP D
510
511
512
PT STA. 512+60.55
2044
2045
2046
PULL BOX / TO BE RELOCATED
FRONTIER / BY OTHERS
℄ CONST. US 41 RT.
NB US 41 (SR 45)
FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
PROP. R/W
12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
BT / TO BE RELOCATED
UNKNOWN / BY OTHERS
END ℄ CONST. RAMP D
POT STA. 513+22.79 =
℄ CONST. US 41 RT.
STA. 2046+89.83, 16.38' LT.
VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
MATCHLINE STA. 4046+25.00
MATCHLINE STA. 4050+50.00
4047
299
3046
4049
301
3048
4050
302
3049
2047
2048
2049
2050
101
102
103
1048
1049
1050
BFOC / FRONTIER
UNKNOWN
SS
UNKNOWN
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
℄ SURVEY US 41 (SR. 599)
STA. 101+36.88 =
℄ CONST. CAUSEWAY LT.
STA. 3047+02.40
EXIST. R/W
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
OE
UNKNOWN
PRC STA. 1048+34.99
℄ SURVEY US
41 (SR. 599)
PRC STA. 2047+59.53
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
MANHOLE / TO BE RELOCATED
UNKNOWN / BY OTHERS
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
PROP. R/W
OE
UNKNOWN
℄ SURVEY CAUSEWAY
STA. 300+23.34 =
℄ CONST. US 41 LT.
STA. 1047+02.68
℄ SURVEY CAUSEWAY
STA. 300+79.91 =
℄ CONST. US 41 RT.
STA. 2047+10.05
EXIST. R/W
N
0 10 50
Feet

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REVISIONS			
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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (7)

SHEET NO.

EL CAMINO BLANCO BLVD.

0 10 50
Feet

OE
UNKNOWN

EXIST. R/W

PROP. R/W

SB US 41 (SR 599)

℄ CONST. US 41 LT.

1050 1051 1052 1053 1054 1055 1056 1057

104 105 106 107 108 109 110

2051 2052 2053 2054 2055 2056 2057

℄ SURVEY US 41 (SR. 599)

PI STA. 110+39.87

℄ CONST. US 41 RT.

NB US 41 (SR 599)

OE
UNKNOWN

VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS

EXIST. R/W

PROP. R/W

S 27TH AVE.

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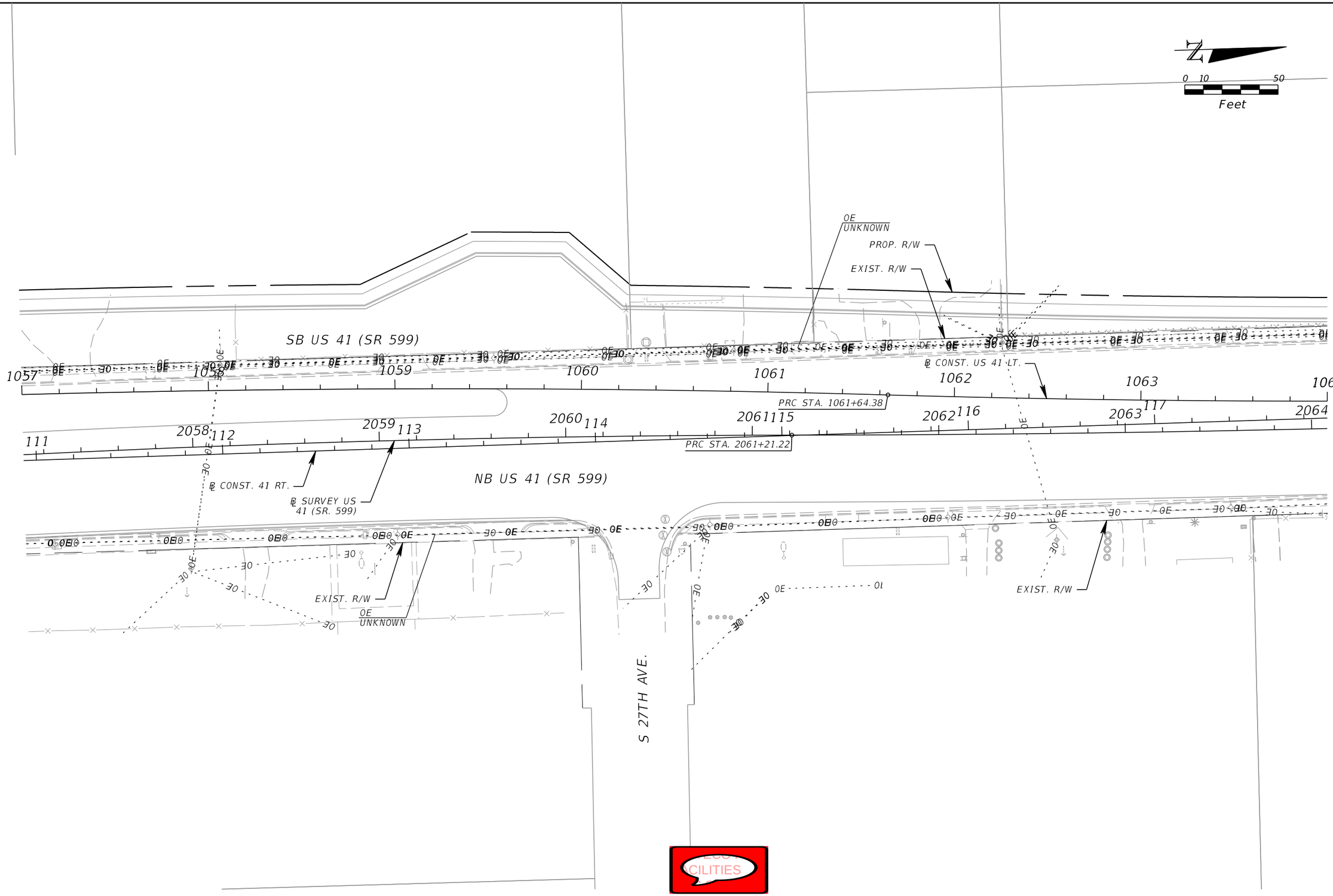
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (8)

SHEET NO.



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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (9)

SHEET NO.

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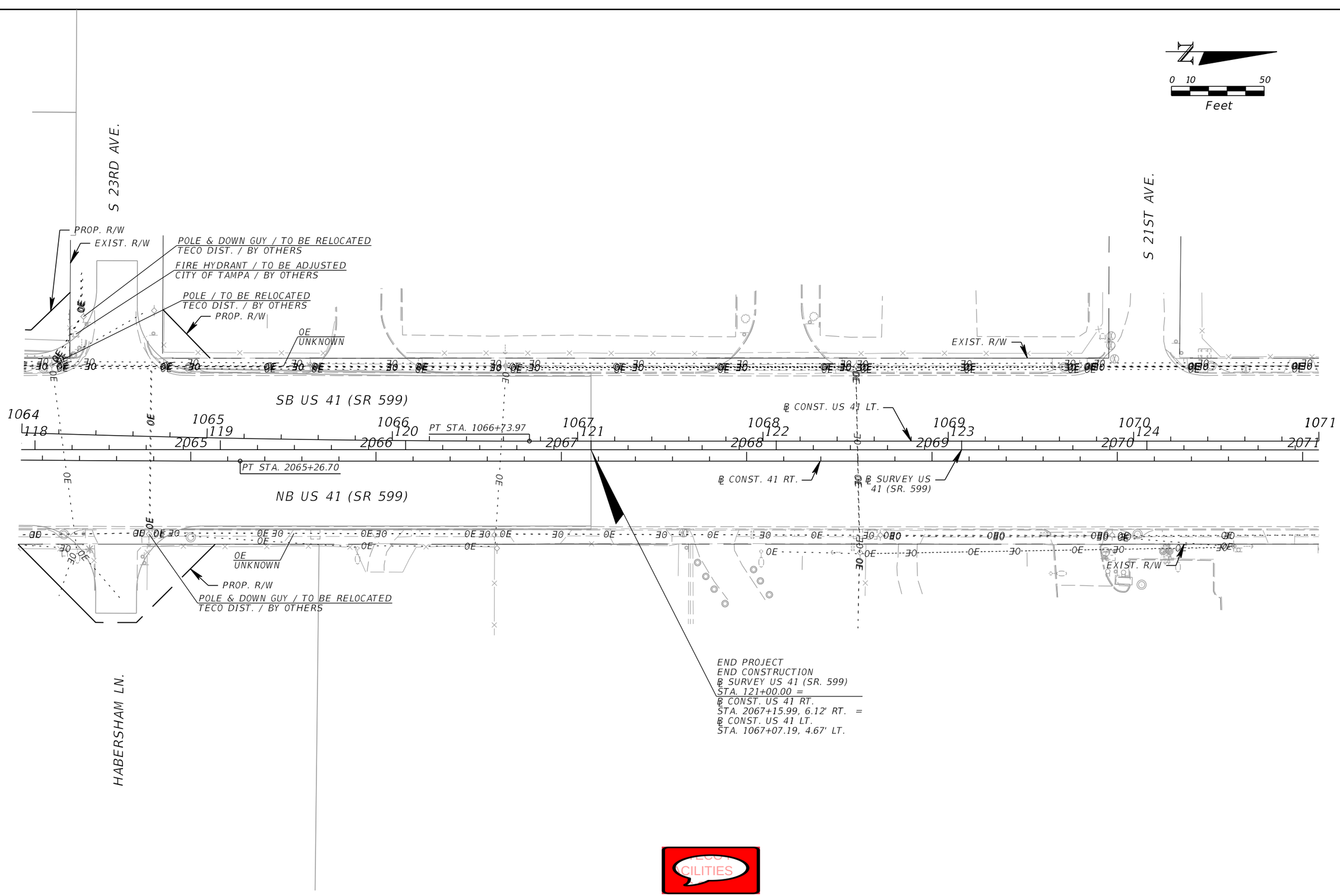

CILITIES

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
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P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (10)

SHEET NO.

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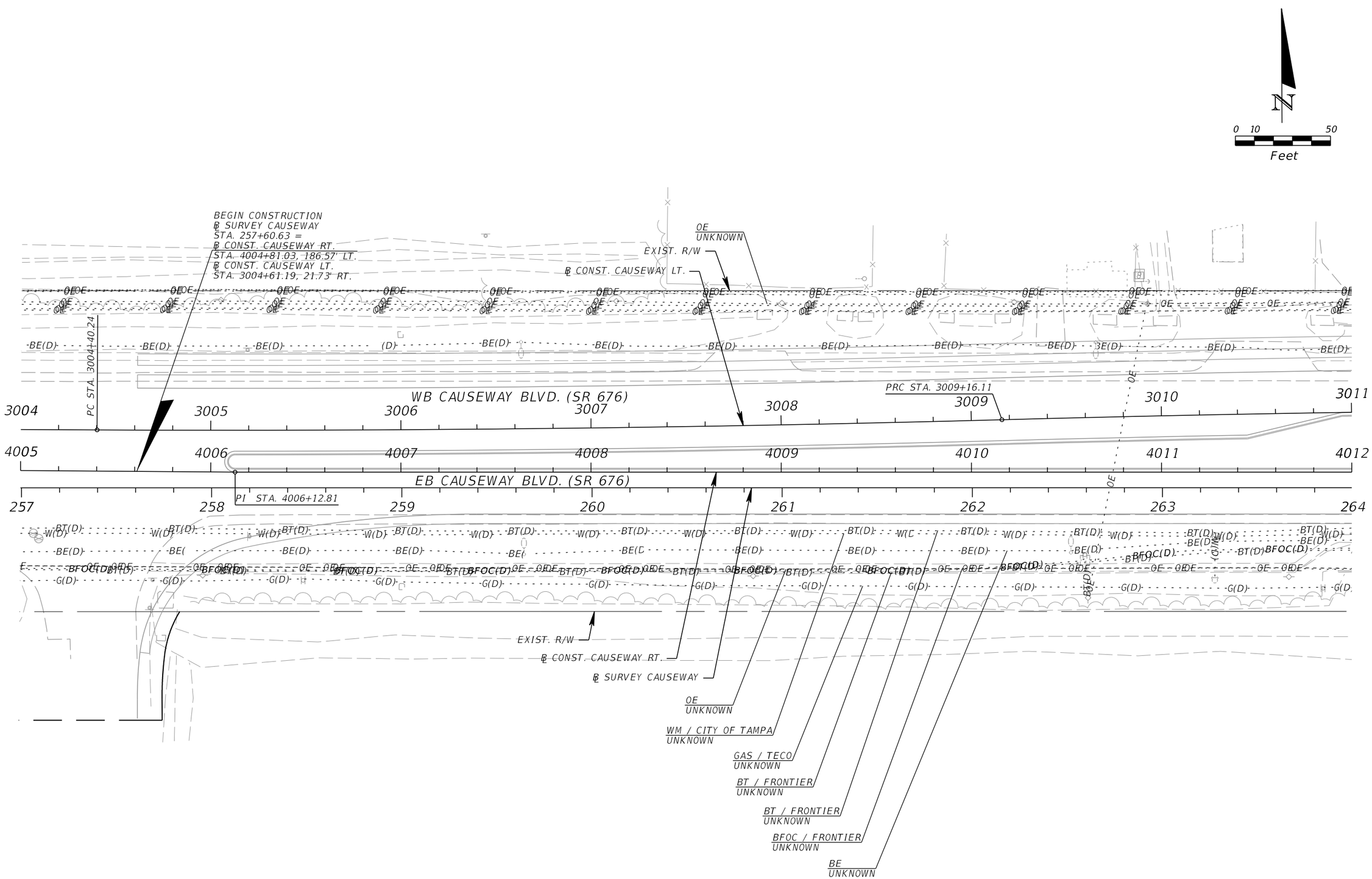

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201 N. Franklin Street, Suite 400
Tampa, Florida 33602
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P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (11)

SHEET NO.

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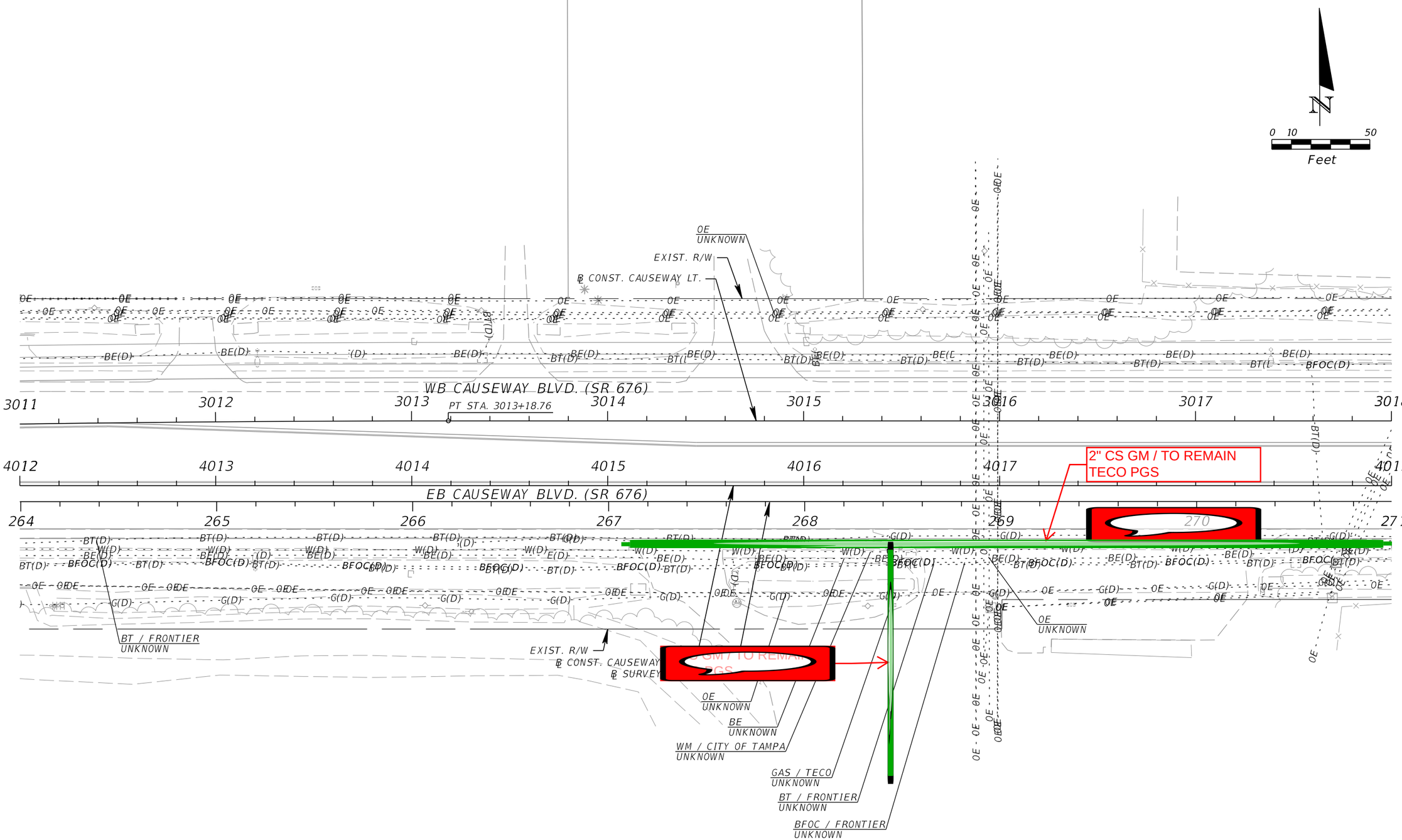

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (12)

SHEET NO.

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N

0 10 50
Feet

OE
UNKNOWN

EXIST. R/W

℄ CONST. CAUSEWAY LT.

END BL CONST. FLYOVER
STA. 145+60.67 =
BL CONST. CAUSEWAY LT.
STA. 3022+87.30, 11.00' RT.

WB CAUSEWAY BLVD. (SR 676)

3018 3019 3020 3021 3022 3023 3024 3025

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

2" CS GM / TO REMAIN
TECO PGS

4019 4020 4021 4022 4024 145 4025 144 4026

EB CAUSEWAY BLVD. (SR 676)

PC STA. 4023+26.97

271 272 273 274 276 277 278

OE
UNKNOWN

EXIST. R/W

℄ CONST. CAUSEWAY RT.

℄ SURVEY CAUSEWAY

WM / CITY OF TAMPA
UNKNOWN

GAS / TECO
UNKNOWN

BT / FRONTIER
UNKNOWN

BFOC / FRONTIER
UNKNOWN

BE
UNKNOWN

EXIST. R/W

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

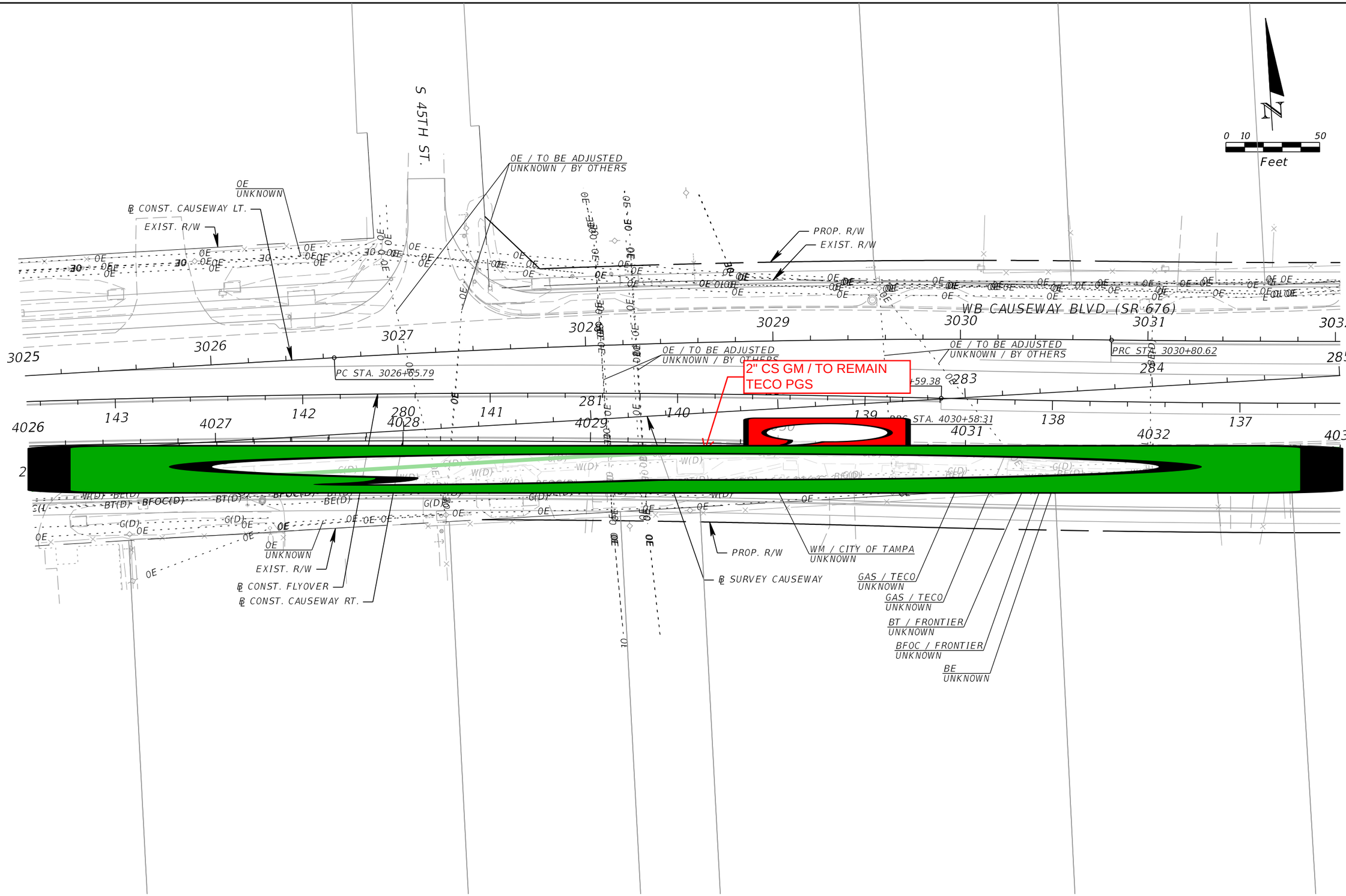
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (13)

SHEET NO.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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201 N. Franklin Street, Suite 400
Tampa, Florida 33602
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P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (14)

SHEET NO.

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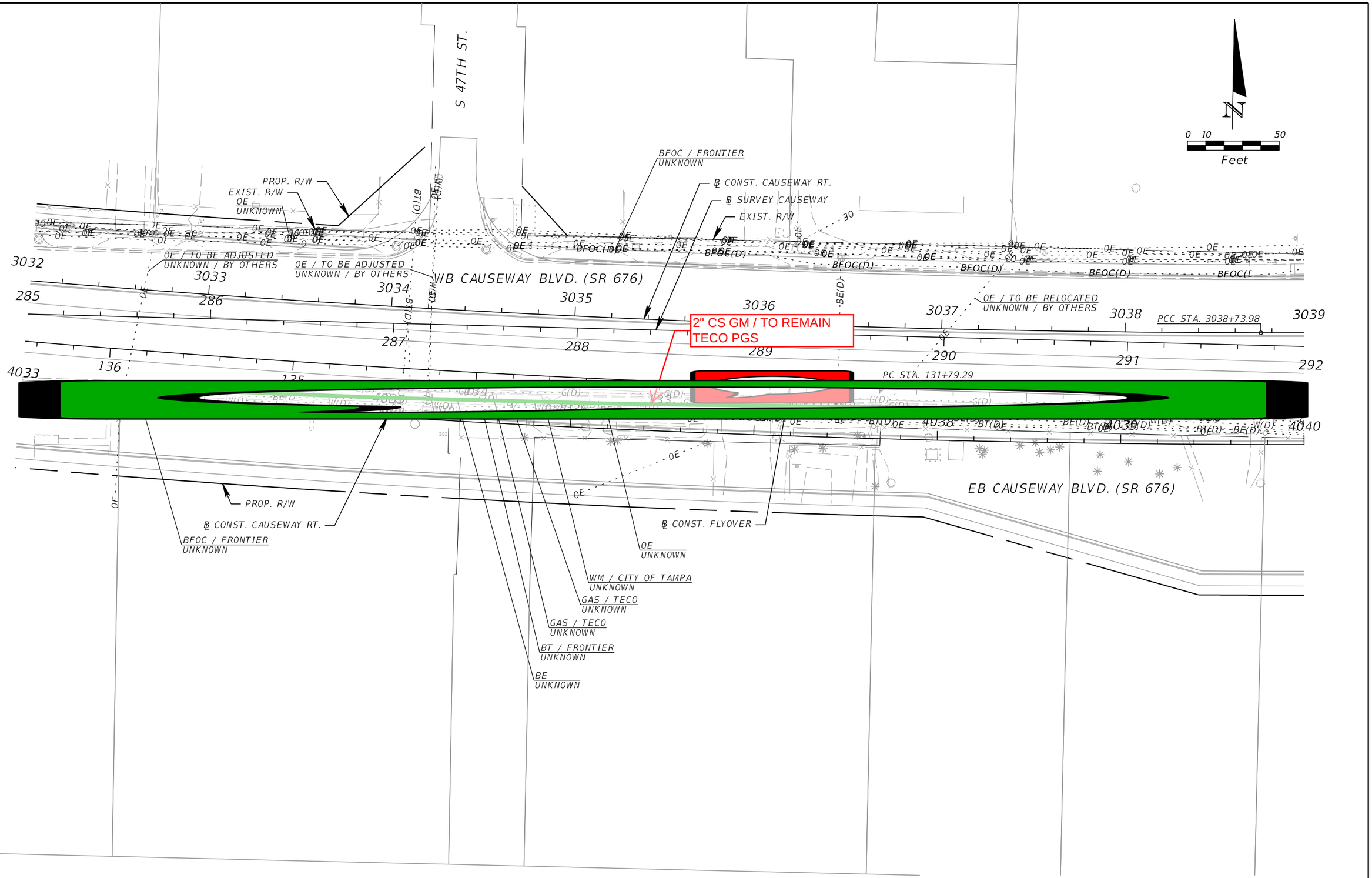

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (15)

SHEET NO.

dgrumbach 4/30/2021 11:22:20 AM Default c:\pwworkingdir\kca-pw.bentley.com_kca-pw-01\dean grumbach\dms07001\UTADRD18.dgn

SAGATA ST.

SS
UNKNOWN

BFOC / FRONTIER
UNKNOWN

OE
UNKNOWN

℄ CONST. CAUSEWAY RT.

℄ SURVEY CAUSEWAY

EXIST. R/W

N

0 10 50
Feet

WB CAUSEWAY BLVD. (SR 676)

OE / TO BE RELOCATED
UNKNOWN / BY OTHERS

3039 3040 3041 3042 3043 3044 3045

PRC STA. 3041+07.95

PCC STA. 3043+37.54

2" CS GM / TO REMAIN
TECO PGS

292 293 294 295 297 298

PT STA. 128+68.22

PT STA. 4040+94.00

POLE / TO BE RELOCATED
UNKNOWN / BY OTHERS

VALVE / TO BE RELOCATED
UNKNOWN / BY OTHERS

4043 4044 4045 4046

PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS

MATCHLINE STA. 4046+25.00

126 125 124 123

PROP. R/W

℄ CONST. CAUSEWAY RT.

BT / FRONTIER
UNKNOWN

WM / CITY OF TAMPA
UNKNOWN

MATCHLINE
STA. 122+25.00

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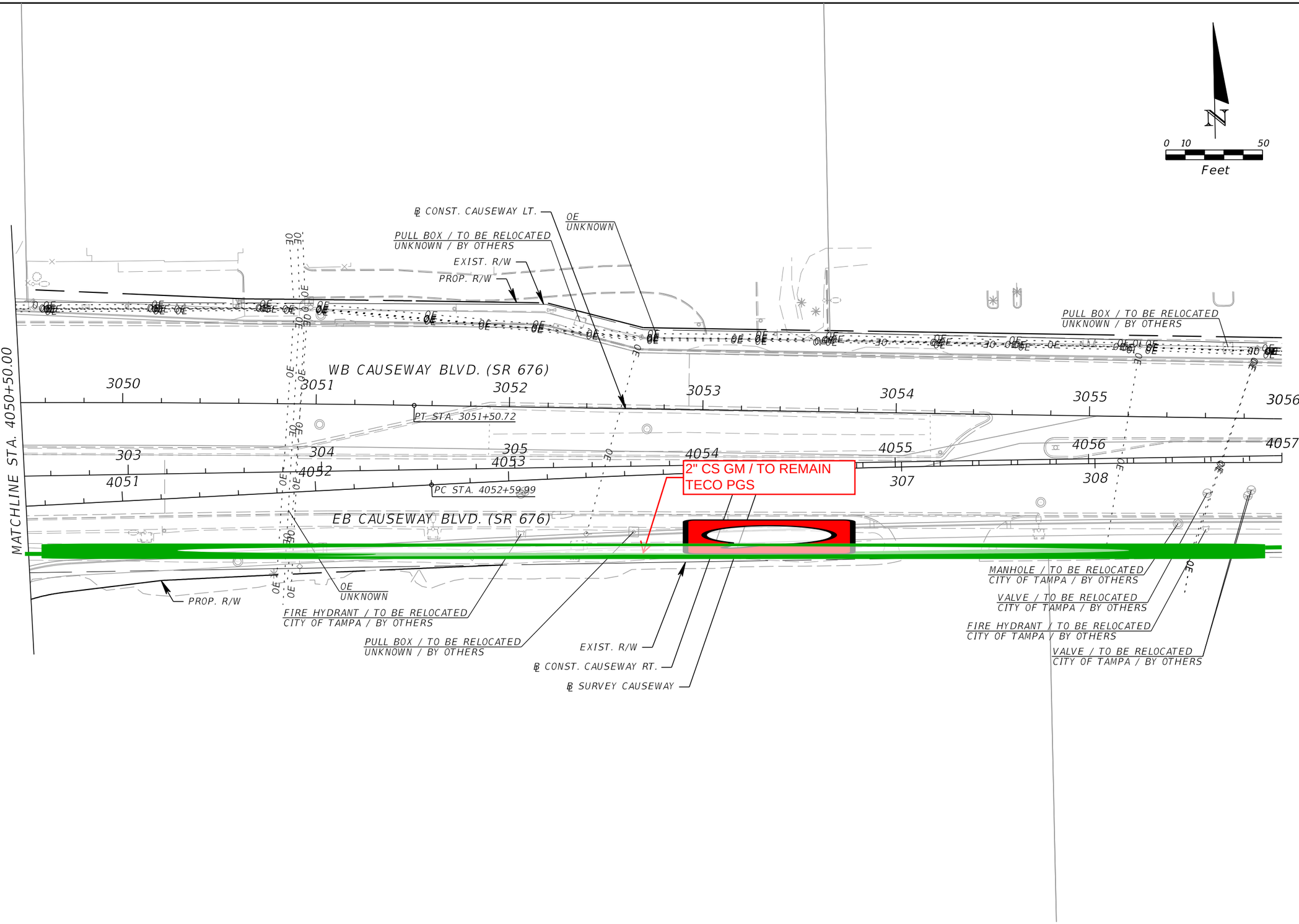
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (16)

SHEET NO.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (17)

SHEET NO.

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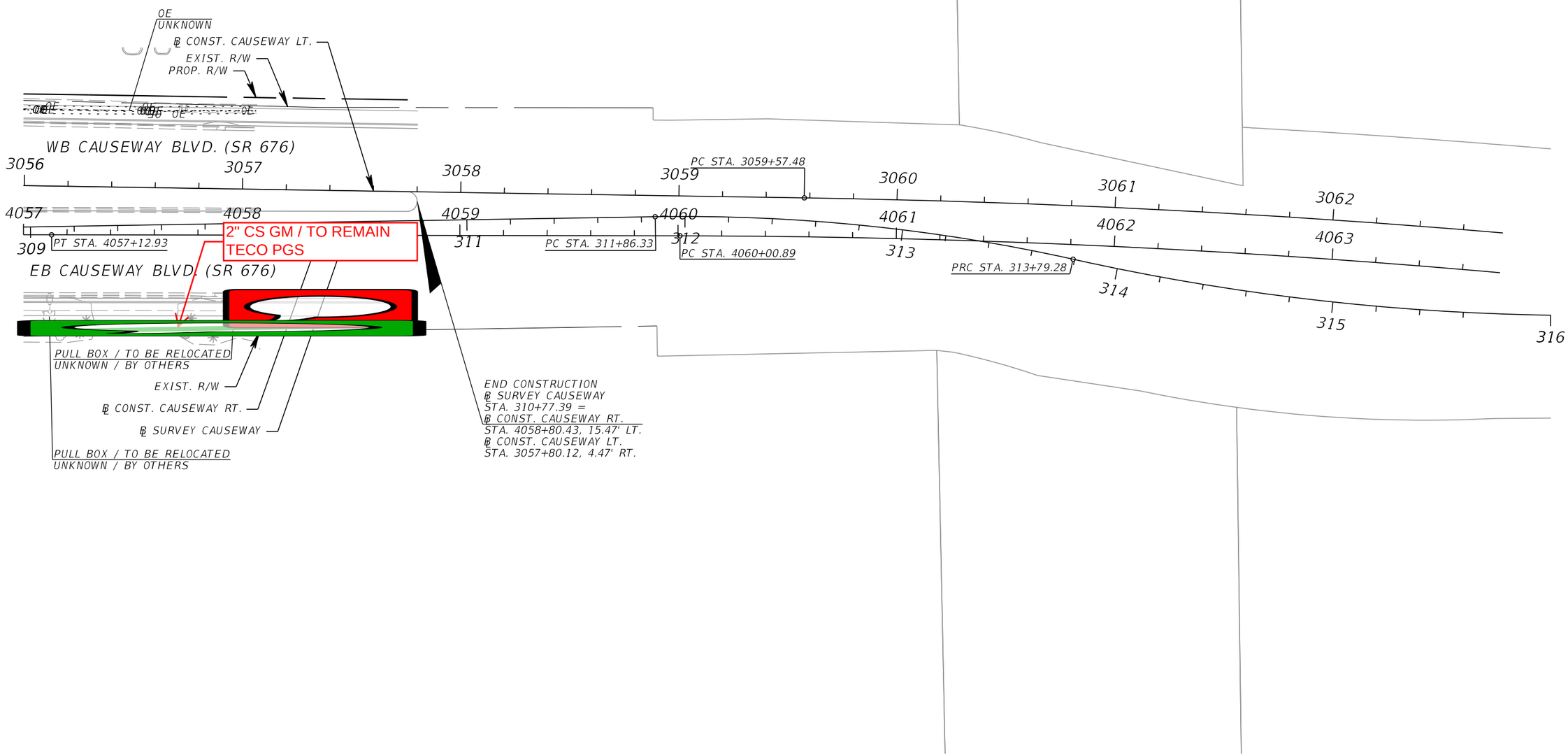

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REVISIONS			
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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (18)

SHEET NO.

Date:	12/04/2018	Test Hole Data Report	Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	General Location:	US 41
Truck No.:	D-3/T-2	ECHO UTILITY ENGINEERING & SURVEY	Coordinate Unit of Measure:	US Survey Feet

ECHO UES, Inc.
www.echoues.com
888.778.ECHO
- GROW, INSPIRE, MAKE A DIFFERENCE-

Utility Type			Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Horizontal: NAD83/11 Vertical: NAVD88 — Northing	Easting	Ground Elevation	Utility Elevation
1-1	BT	PVC	2 - 4"	3.26'			IRC	NG	N/A	FRONTIER	1301204.90'	526413.67'	7.51'	4.25'
1-2	WM	CI	6"	3.30'			IRC	NG	N/A	COT	1301205.19'	526416.74'	7.48'	4.18'
1-3	FOC/BT	PVC	4"	2.47'			IRC	NG	N/A	FRONTIER	1301204.95'	526415.25'	7.48'	5.01'
1-4	FOC	PE	12 - 1.5"	8.80'			IRC	NG	N/A	FRONTIER	1301205.12'	526418.96'	7.36'	-1.44'
1-5	CATV	PVC	2 - 2"	5.54'			IRC	NG	N/A	SPECTRUM	1301181.11'	526321.06'	6.85'	1.31'
1-6	BT	PVC	2 - 4"	3.44'			IRC	NG	N/A	FRONTIER	1301811.38'	526417.02'	6.84'	3.40'
1-7	FOC/BT	PVC	4"	2.42'			IRC	NG	N/A	FRONTIER	1301811.47'	526418.97'	6.84'	4.42'
1-8	WM	UNK	UNK	10.06'			IRC	NG	N/A	COT	1301810.12'	526422.34'	6.83'	-3.23'
1-9	FOC/BT	PVC	4"	3.34'			IRC	NG	N/A	FRONTIER	1301810.56'	526424.00'	6.49'	3.15'

Notes: 1-8 - Unable to visually verify size and matterial due to depth and groundwater. Possible 6" cast iron.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (19)

SHEET NO.

Date:	12/05/2018	Test Hole Data Report	Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	General Location:	US 41
Truck No.:	D-3/T-2	ECHO UTILITY ENGINEERING & SURVEY	Coordinate Unit of Measure:	US Survey Feet

ECHO UES, Inc.
www.echoues.com
888.778.ECHO
- GROW, INSPIRE, MAKE A DIFFERENCE-

Utility Type			Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Northing	Datums: Easting (Horizontal: NAD83/11, Vertical: NAVD88)	Ground Elevation	Utility Elevation
1-10	FOC	PE	12 - 1.5"	3.96'			IRC	NG	N/A	FRONTIER	1302430.03'	526421.52'	6.62'	2.66'
1-11	BT	PVC	2 - 4"	2.50'			IRC	NG	N/A	FRONTIER	1302430.50'	526424.77'	6.68'	4.18'
1-12	FOC/BT	PVC	4"	1.90'			IRC	NG	N/A	FRONTIER	1302430.47'	526425.15'	6.69'	4.79'
1-13	BT	DBC	2"	1.56'			IRC	NG	N/A	FRONTIER	1302430.15'	526428.11'	6.81'	5.25'
1-14	WM	DIP	6"	3.40'			IRC	NG	N/A	COT	1302428.62'	526446.38'	8.20'	4.80'
1-15	GM	STL	4"	3.00'			IRC	NG	N/A	COT	1302488.18'	526318.06'	6.08'	3.08'
1-16	BT	PVC	4"	3.50'			IRC	NG	N/A	FRONTIER	1301205.22'	526417.96'	7.50'	4.00'
1-17	BT	DBC	2"	3.00'			IRC	NG	N/A	FRONTIER	1301810.09'	526422.72'	6.80'	3.80'

Notes:

Prepared by: EE *Date: 02/12/2019*

Checked by: AB *Date: 02/12/2019*

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (20)

SHEET NO.

Date:	12/06/2018	Test Hole Data Report	Crew Members:	DW, TG, MAJ
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618 1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708 — ECHO UTILITY ENGINEERING & SURVEY — ECHO UES, Inc. www.echoues.com 888.778.ECHO - GROW, INSPIRE, MAKE A DIFFERENCE -	City, State:	Tampa, Florida
Financial Project #:	N/A		General Location:	US 41
Truck No.:	D-3/T-2		Coordinate Unit of Measure:	US Survey Feet

Utility Type		Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water	AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light	CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal	CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line	DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service	CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service	CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility	CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct	DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct	DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	N Utility Direction	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Horizontal: NAD83/11 Vertical: NAVD88 Northing	Easting	Ground Elevation	Utility Elevation
1-18	BT	PVC	2 - 4"	3.82'			IRC	NG	N/A	FRONTIER	1303091.15'	526425.13'	7.04'	3.22'
1-19	FOC/BT	PVC	4"	2.54'			IRC	NG	N/A	FRONTIER	1303091.17'	526425.73'	6.99'	4.45'
1-20	BT	LEAD	2 - 2"	3.00'			IRC	NG	N/A	FRONTIER	1303091.09'	526427.92'	6.86'	3.86'
1-21	FOC	UNK	12 - 1.5"	9.22'			IRC	NG	N/A	FRONTIER	1303091.01'	526430.76'	6.58'	-2.64'
1-22	BT	LEAD	2 - 2"	2.00'			IRC	NG	N/A	FRONTIER	1303695.15'	526432.46'	6.77'	4.77'
1-23	BT	PVC	2 - 4"	2.76'			IRC	NG	N/A	FRONTIER	1303695.20'	526433.46'	6.70'	3.94'
1-24	BT	LEAD	2 - 2"	2.74'			IRC	NG	N/A	FRONTIER	1304500.45'	526435.53'	7.28'	4.54'

Notes: 1-21 - Unable to visually verify size and material due to depth and groundwater. Possibly 12 - 1.5" polyethylene pipes.

Prepared by: EE *Date: 02/12/2019*

Checked by: AB *Date: 02/12/2019*

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REVISIONS			
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201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (21)

SHEET NO.

STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

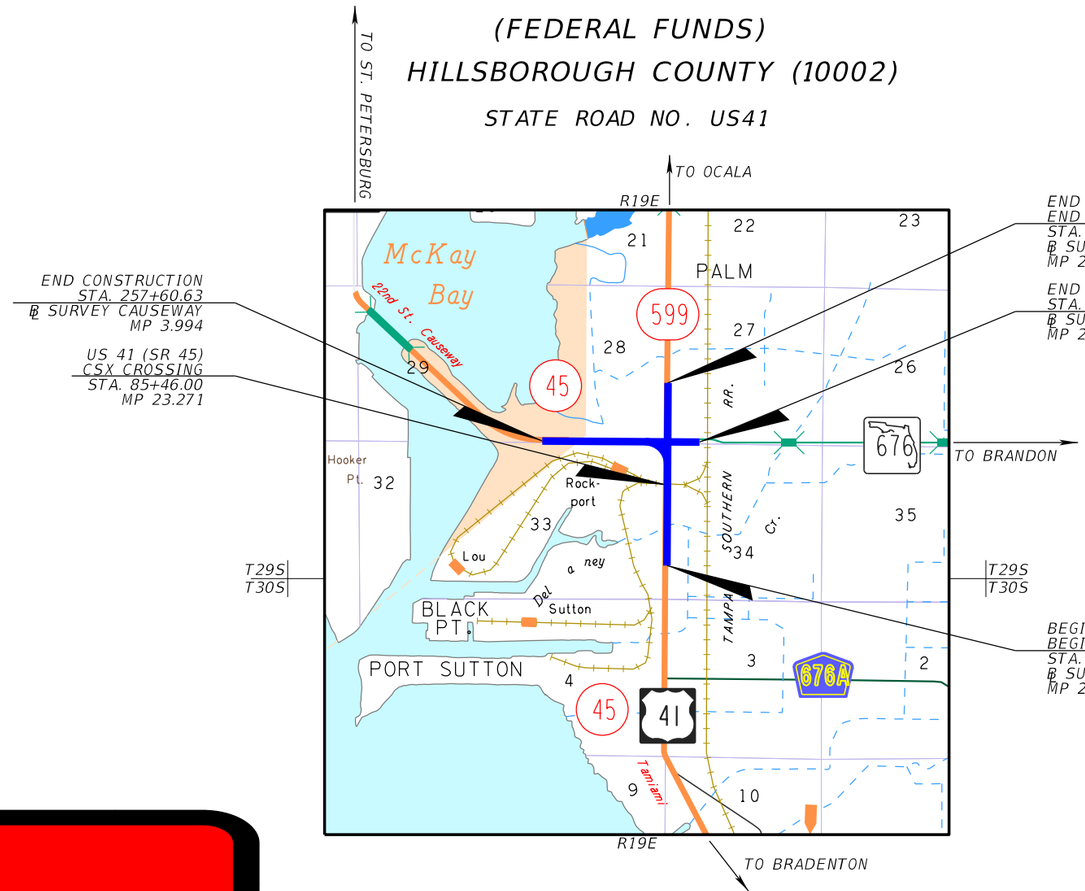
CONTRACT PLANS

FINANCIAL PROJECT ID 440749-1-52-01

(FEDERAL FUNDS)

HILLSBOROUGH COUNTY (10002)

STATE ROAD NO. US41



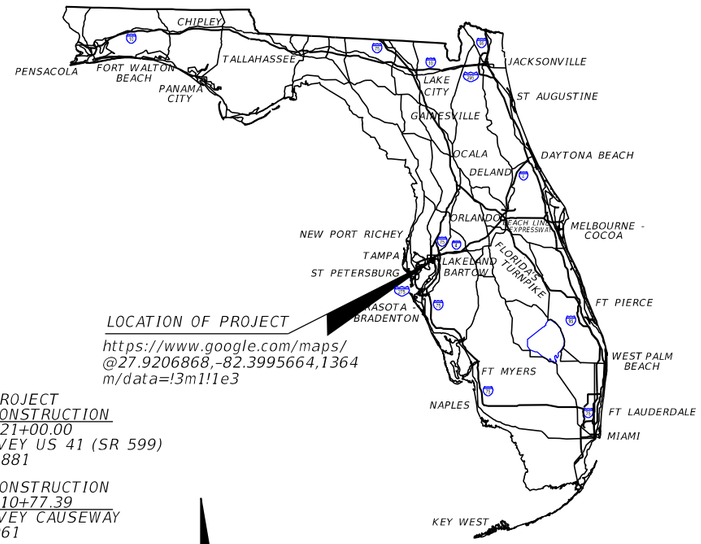
END CONSTRUCTION
STA. 257+60.63
℄ SURVEY CAUSEWAY
MP 3.994

US 41 (SR 45)
CSX CROSSING
STA. 85+46.00
MP 23.271

END PROJECT
END CONSTRUCTION
STA. 121+00.00
℄ SURVEY US 41 (SR 599)
MP 23.881

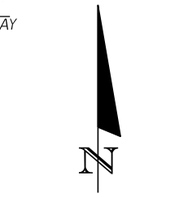
END CONSTRUCTION
STA. 310+77.39
℄ SURVEY CAUSEWAY
MP 2.961

BEGIN PROJECT
BEGIN CONSTRUCTION
STA. 58+31.17
℄ SURVEY US 41 (SR. 45)
MP 22.756



LOCATION OF PROJECT

https://www.google.com/maps/@27.9206868,-82.3995664,1364m/data=!3m1!1e3



0 ½ 1
Mile

verizon
ple Terrace, FL 3
CLRCR BY ANDY CO

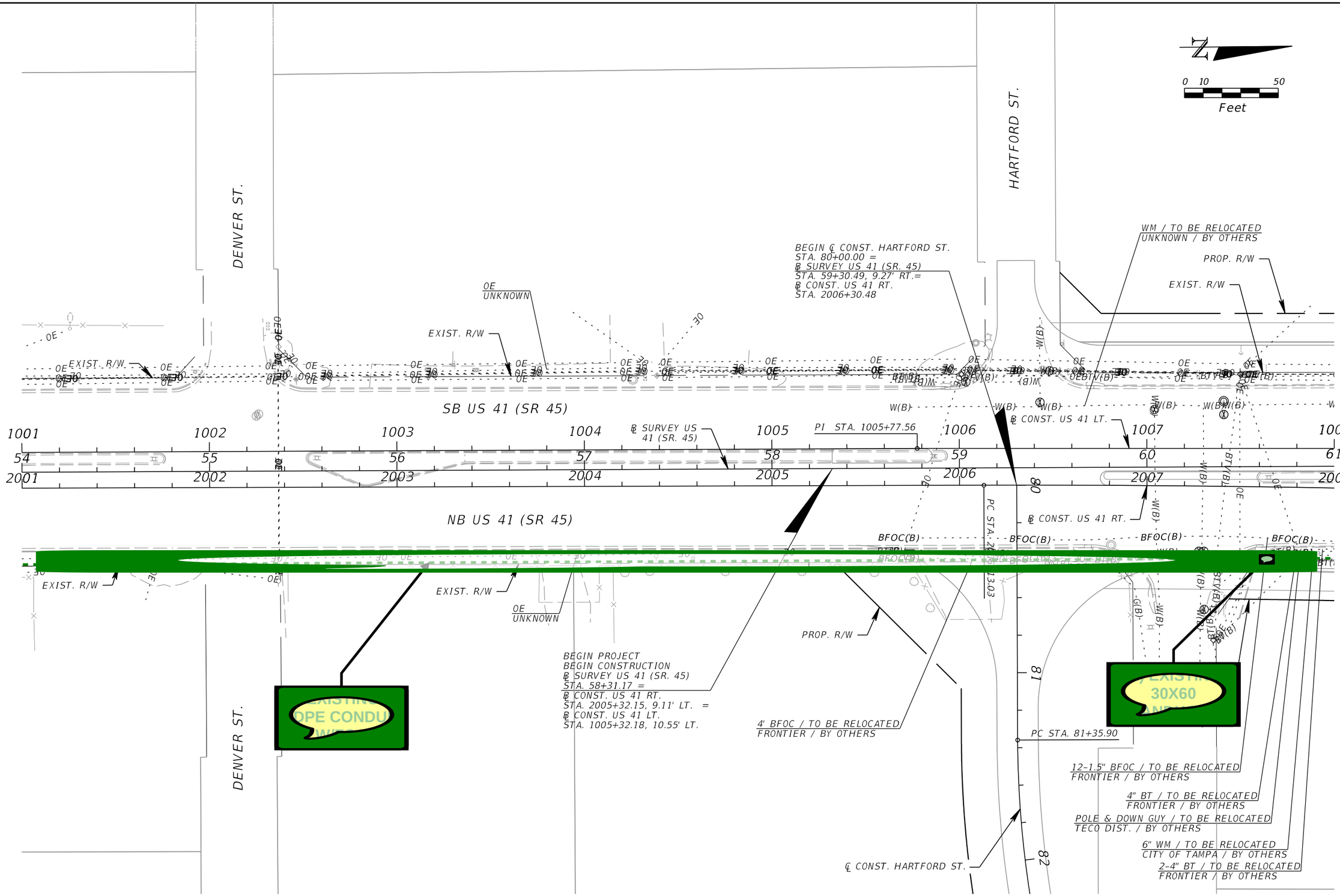
ROADWAY PLANS ENGINEER OF RECORD:

BRANAN R. ANDERSON, P.E. NO.: 78438
KISINGER CAMPO AND ASSOCIATES CORP.
CONSULTING ENGINEERS & PLANNERS
201 N. FRANKLIN STREET, SUITE 400
TAMPA, FLORIDA 33602
(813) 871-5331
VENDOR NUMBER.: F59-1677145

FDOT PROJECT MANAGER:

TIM O'BRIEN P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	21	1



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (1)

SHEET NO.

N

0 10 50

Feet

TRENTON ST.

BEGIN ℄ CONST. RAMP A
PC STA. 200+00.00 =
℄ SURVEY US 41 (SR. 45).
STA. 65+27.85, 51.80' LT.
℄ CONST. US 41 LT.
STA. 2012+26.37, 48.00' LT.

℄ CONST. RAMP A

PROP. R/W

EXIST. R/W

WM / TO BE RELOCATED
UNKNOWN / BY OTHERS

OE
UNKNOWN

4" GAS / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

Vvh1-5

℄ CONST. US 41 LT.

PC STA. 1009+51.21

℄ SURVEY US
41 (SR. 45)

SB US 41 (SR 45)

200 201 202

1008 1009 1010 1011 1012 1013 1014 1015

61 62 63 64 65 66 67 68

2009 2010 2011 2012 2013 2014

NB US 41 (SR 45)

EXIST. R/W

PROP. R/W

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

WM / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

HANDHOLE / TO BE RELOCATED
FRONTIER / BY OTHERS

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

TRENTON ST.

WATER VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

OE
UNKNOWN

EXIST. R/W

BEGIN ℄ CONST. RAMP B
POT STA. 300+00.00 =
℄ SURVEY US 41 (SR. 45)
STA. 66+47.55, 78.74' RT. =
℄ CONST. US 41 RT.
STA. 2013+51.78, 36.00' RT.

PROP. R/W

℄ CONST. RAMP B

WATER METER / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (2)

SHEET NO.

DELANEY CREEK

RALEIGH ST.

N

0 10 50
Feet

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

WATER VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

PROP. R/W

OE
UNKNOWN

WM / TO BE RELOCATED
UNKNOWN / BY OTHERS

℄ CONST. RAMP A

EXIST. R/W

PRC STA. 204+62.42

EXIST. R/W

BEGIN ℄ CONST. FRONTAGE RD. LT.
PC STA. 10+00.00 =
END ℄ CONST. RAMP A
PT STA. 206+57.71

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

PROP. R/W

EXIST. R/W

4" GAS / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

℄ CONST. FRONTAGE RD. LT.

PULL BOX / TO BE RELOCATED
TECO DIST. / BY OTHERS

PRC STA. 12+28.24

203 204 205 206 10 11 12 13

68 69 70 71 72 73 74 75

1015 1016 1017 1018 1019 1020 1021 1022

℄ SURVEY US
41 (SR. 45)

HANDHOLE / TO BE RELOCATED
FRONTIER / BY OTHERS

℄ CONST. US 41 LT.

SB US 41 (SR 45)

WATER VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

PRC STA. 1016+81.47

PRC STA. 2015+74.95

EXIST. R/W

JUNCTION BOX / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

2017 2018 2019 2020 2021 2022

HANDHOLE / TO BE RELOCATED
FRONTIER / BY OTHERS

℄ CONST. US 41 RT.

NB US 41 (SR 45)

PC STA. 301+60.11

302 303 304 305 306 307 308

℄ CONST. RAMP B

PRC STA. 306+86.13

2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

6" WM / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

WATER METER / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

PROP. R/W

HANDHOLE / TO BE RELOCATED
FRONTIER / BY OTHERS

EXISTING
DPE CONDU
WI

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
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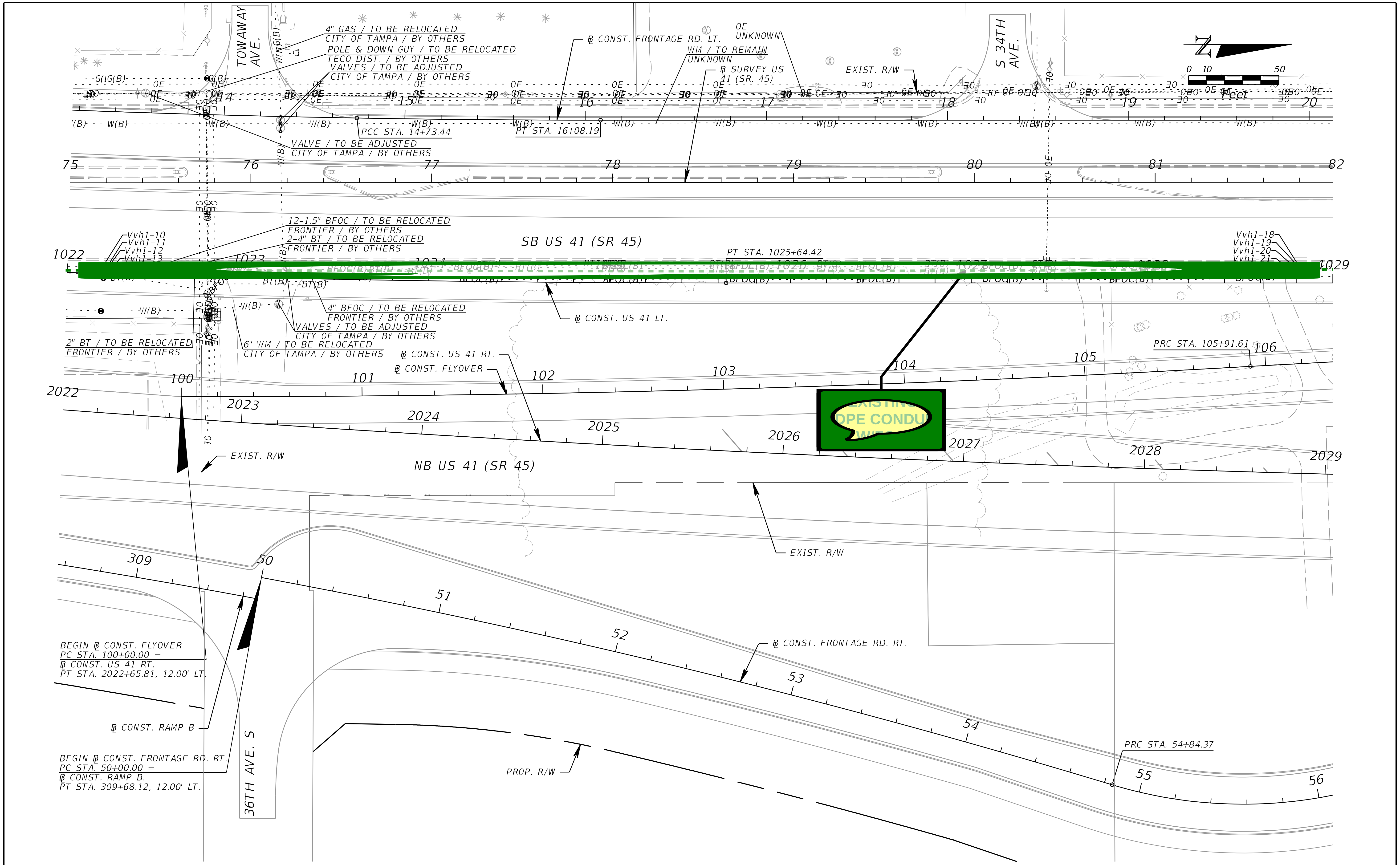
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (3)

SHEET NO.


4" GAS / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS
VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
TOWAWAY AVE.
℄ CONST. FRONTAGE RD. LT.
OE UNKNOWN
WM / TO REMAIN
UNKNOWN
℄ SURVEY US 41 (SR. 45)
EXIST. R/W
S 34TH AVE.
Feet
0 10 50
PCC STA. 14+73.44
PT STA. 16+08.19
VALVE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
SB US 41 (SR 45)
PT STA. 1025+64.42
4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
6" WM / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
℄ CONST. US 41 LT.
℄ CONST. US 41 RT.
℄ CONST. FLYOVER
PRC STA. 105+91.61
EXIST. R/W
NB US 41 (SR 45)
EXIST. R/W
BEGIN ℄ CONST. FLYOVER
PC STA. 100+00.00 =
℄ CONST. US 41 RT.
PT STA. 2022+65.81, 12.00' LT.
℄ CONST. RAMP B
BEGIN ℄ CONST. FRONTAGE RD. RT.
PC STA. 50+00.00 =
℄ CONST. RAMP B.
PT STA. 309+68.12, 12.00' LT.
36TH AVE. S
℄ CONST. FRONTAGE RD. RT.
PROP. R/W
PRC STA. 54+84.37

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (4)

SHEET NO.

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END ℄ CONST. FRONTAGE RD. RT.
STA. 61+15.96
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
WM / TO REMAIN
UNKNOWN
℄ CONST. FRONTAGE RD. LT.
BEGIN ℄ CONST. ST. PAUL ST.
STA. 70+00.00
OE
UNKNOWN
℄ SURVEY US
41 (SR. 45)
OE
UNKNOWN
MANHOLE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
PULL BOX / TO BE RELOCATED
FRONTIER / BY OTHERS
POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS
VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
Vvh1-22
Vvh1-23
EXIST. R/W
SB US 41 (SR 45)
℄ CONST. US 41 LT.
PT STA. 59+50.64
PT STA. 112+54.86
BEGIN ℄ CONST.RAMP D
POTSTA. 500+00.00 =
℄ CONST. ST. PAUL ST.
STA. 72+12.39
℄ CONST. ELYOVER
EXIST. R/W
℄ CONST. US 41 RT.
℄ CONST. RAMP D
PCC STA. 2035+28.48
NB US 41 (SR 45)
CSX CROSSING
NO. 624802A
PROP. R/W
℄ CONST. FRONTAGE RD. RT.
PROP. R/W
BEGIN ℄ CONST. RAMP C
POT STA. 400+00.00 =
℄ CONST. ST. PAUL ST.
STA. 73+42.31
PI STA. 73+87.06
ST. PAUL ST.
℄ CONST. ST. PAUL ST.
PROP. R/W
℄ CONST. RAMP C

REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (5)

SHEET NO.

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12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
℄ CONST. FRONAGE RD. LT.
STA. 30+83.05 =
℄ CONST. RAMP E.
STA. 600+00.00
℄ CONST. FRONTAGE RD. LT.
EXIST. R/W
S 31ST AVE.
OE
UNKNOWN
WM / TO BE RELOCATED
UNKNOWN / BY OTHERS
BE / TO BE RELOCATED
UNKNOWN / BY OTHERS
℄ SURVEY US
41 (SR. 45)
EXIST. R/W
℄ CONST RAMP E
PROP. R/W
PI STA. 602+38.79
N
0 10 50
Feet
℄ CONST. US 41 LT.
SB US 41 (SR 45)
PC STA. 116+01.38
PC STA. 1039+54.36
OE
UNKNOWN
℄ CONST. RAMP D
PC STA. 503+63.86
PCC STA. 506+1
℄ CONST. US 41 RT.
NB US 41 (SR 45)
EXIST. R/W
PT STA. 408+06.03
PC STA. 403+61.19
PCC STA. 406+57.91
℄ CONST. RAMP C
PROP. R/W
END ℄ CONST RAMP C
POT STA 409+03.92 =
℄ CONST. US 41 RT.
STA. 2042+27.73

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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (6)

SHEET NO.

EXIST. R/W
℄ CONST. FLYOVER
PROP. R/W
30TH AVE. S
122
121
MATCHLINE STA. 122+25.00
MATCHLINE STA. 4046+25.00
VALVE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
WM / TO BE RELOCATED
UNKNOWN / BY OTHERS
POLE / TO BE RELOCATED
TECO DIST. / BY OTHERS
℄ CONST. RAMP E
STA. 607+06.20 =
℄ SURVEY CAUSEWAY
STA. 299+71.72
℄ SURVEY US 41 (SR. 45)
STA. 99+75.43 =
℄ CONST. CAUSEWAY RT.
STA. 4048+03.05
PI STA. 604+02.52
VALVE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
℄ SURVEY US 41 (SR. 45)
SB US 41 (SR 45)
BFOC / FRONTIER
UNKNOWN
SS
UNKNOWN
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
℄ SURVEY US 41 (SR. 599)
STA. 101+36.88 =
℄ CONST. CAUSEWAY LT.
STA. 3047+02.40
EXIST. R/W
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
0E
UNKNOWN
0 10 50
Feet
BE / TO BE RELOCATED
UNKNOWN / BY OTHERS
PI STA. 300+00.14
PT STA. 512+60.55
EXIST. RAMP D
PULL BOX / TO BE RELOCATED
FRONTIER / BY OTHERS
NB US 41 (SR 45)
FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
PROP. R/W
12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
BT / TO BE RELOCATED
UNKNOWN / BY OTHERS
END ℄ CONST. RAMP D
POT STA. 513+22.79 =
℄ CONST. US 41 RT.
STA. 2046+89.83, 16.38' LT.
VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
MANHOLE / TO BE RELOCATED
UNKNOWN / BY OTHERS
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
30X60
℄ SURVEY CAUSEWAY
STA. 300+23.34 =
℄ CONST. US 41 LT.
STA. 1047+02.68
℄ SURVEY CAUSEWAY
STA. 300+79.91 =
℄ CONST. US 41 RT.
STA. 2047+10.05
EXIST. R/W
MATCHLINE STA. 4050+50.00

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Engineer of Record: Branan R. Anderson, PE
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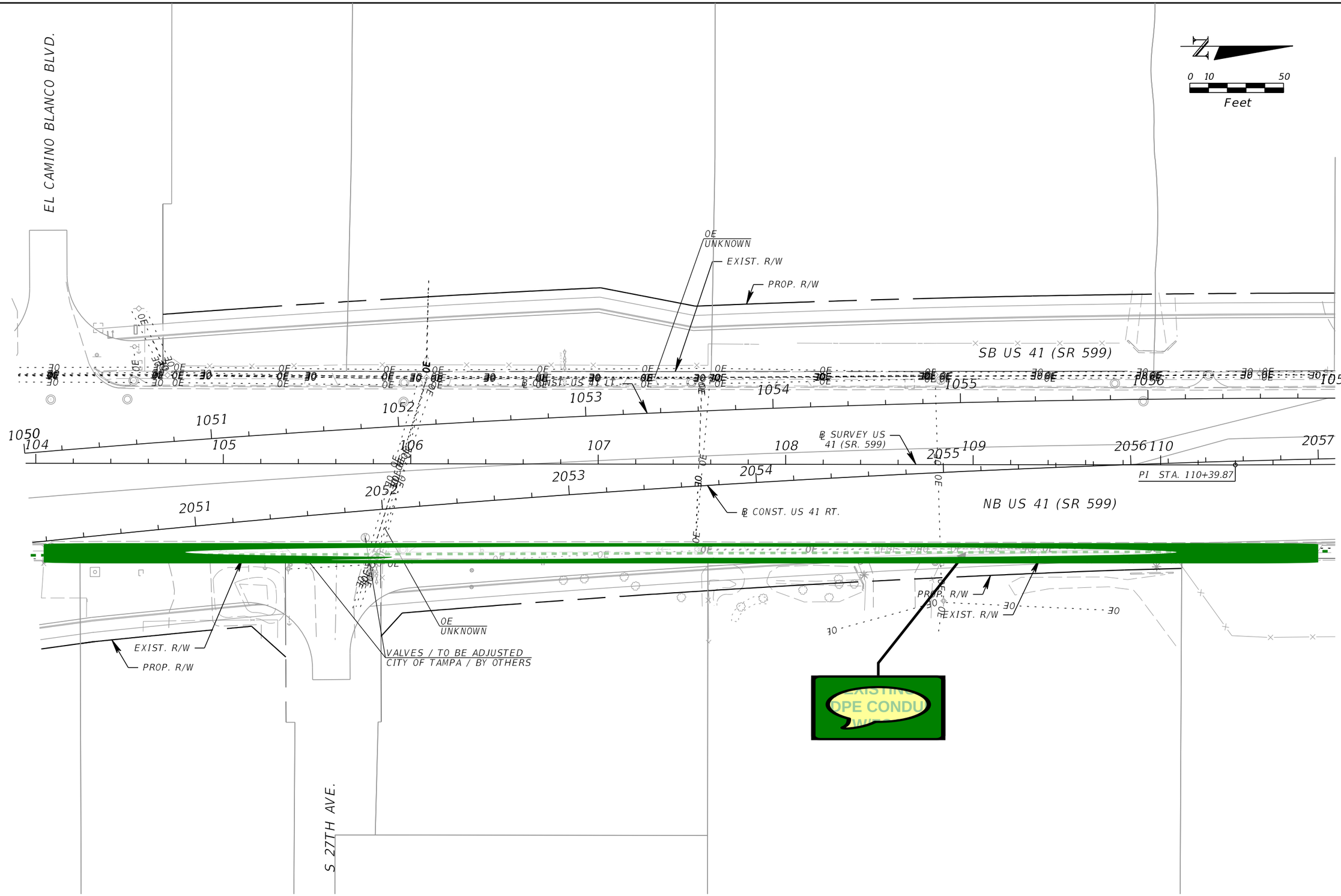
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (7)

SHEET NO.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (8)

SHEET NO.

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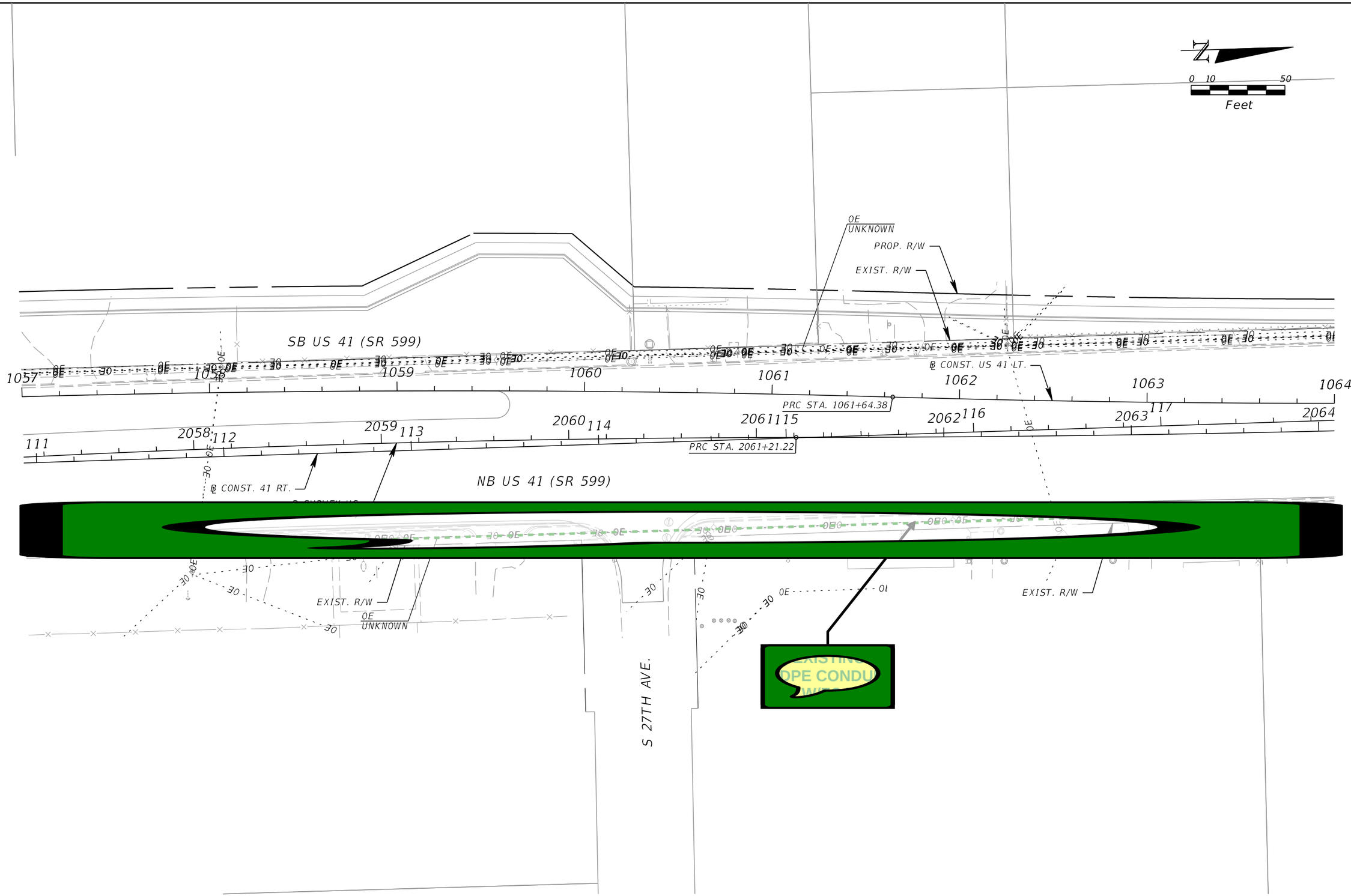

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (9)

SHEET NO.

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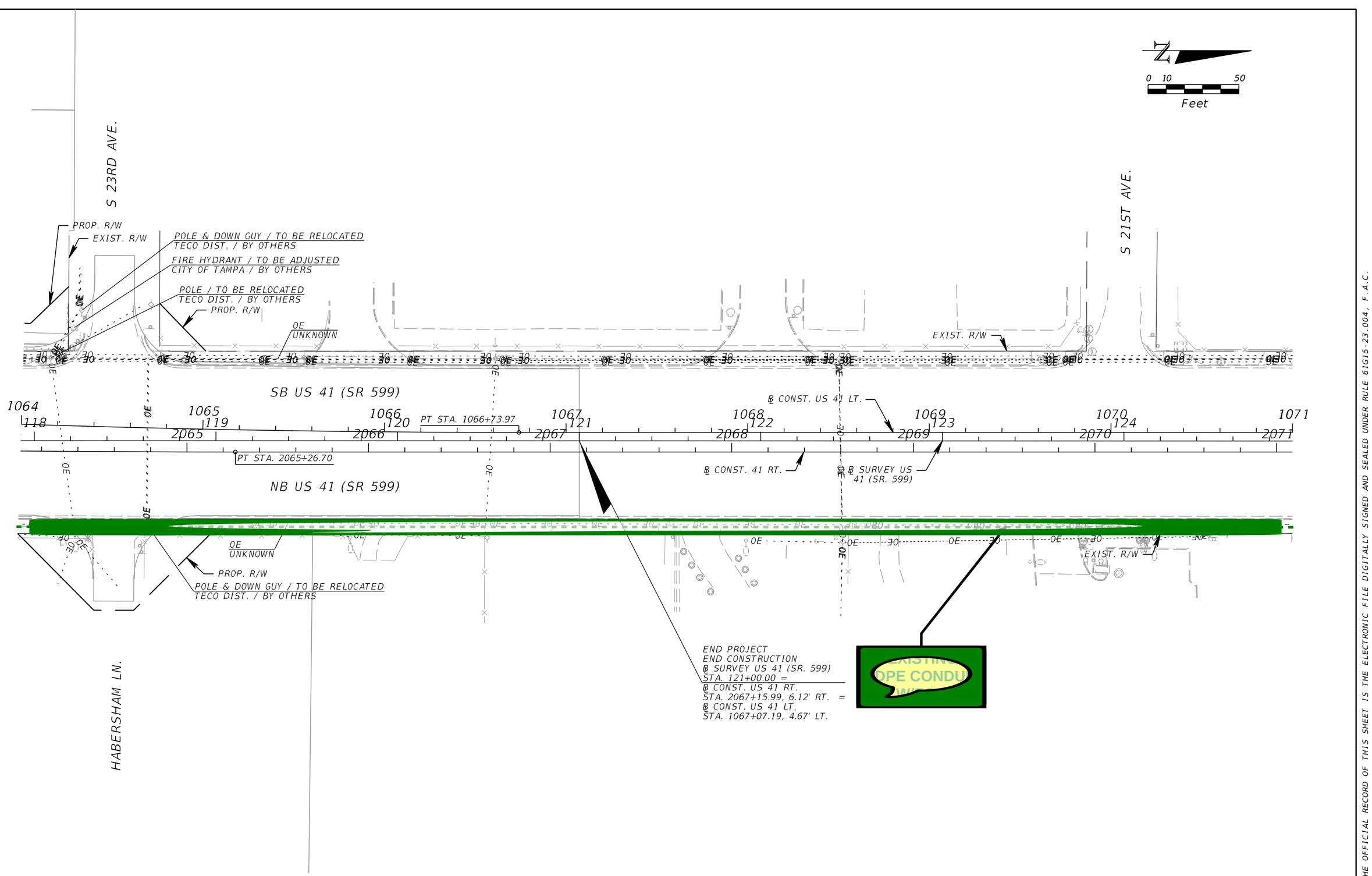

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (10)

SHEET NO.

FACILITIES IN THE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (11)

SHEET NO.

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FACILITIES IN THE

DATE	DESCRIPTION	DATE	DESCRIPTION

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (12)

SHEET NO.

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (13)

SHEET NO.

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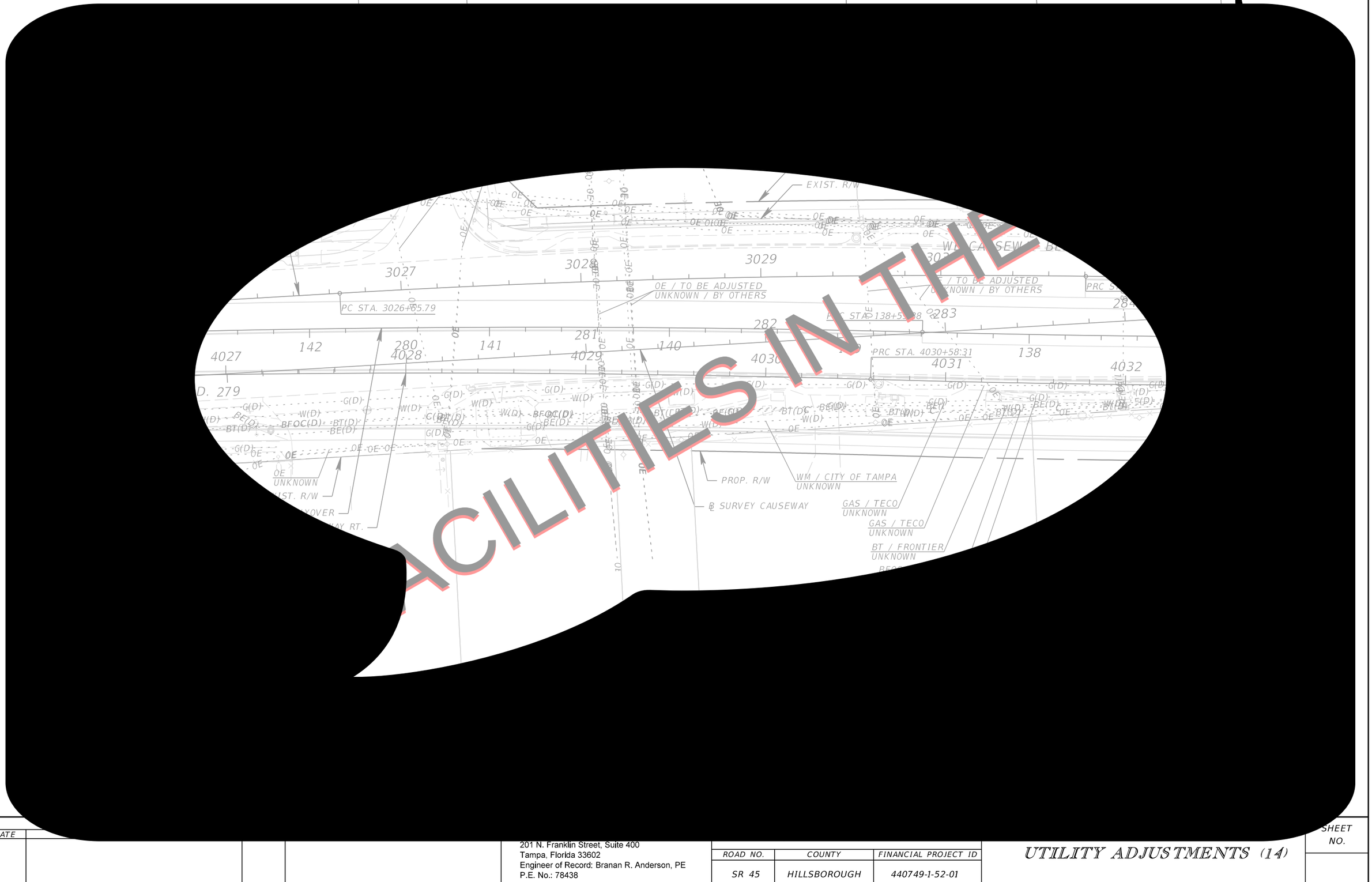

FACILITIES IN THE

DATE								
				201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Engineer of Record: Branan R. Anderson, PE P.E. No.: 78438	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	UTILITY ADJUSTMENTS (14)	SHEET NO.
					SR 45	HILLSBOROUGH	440749-1-52-01		

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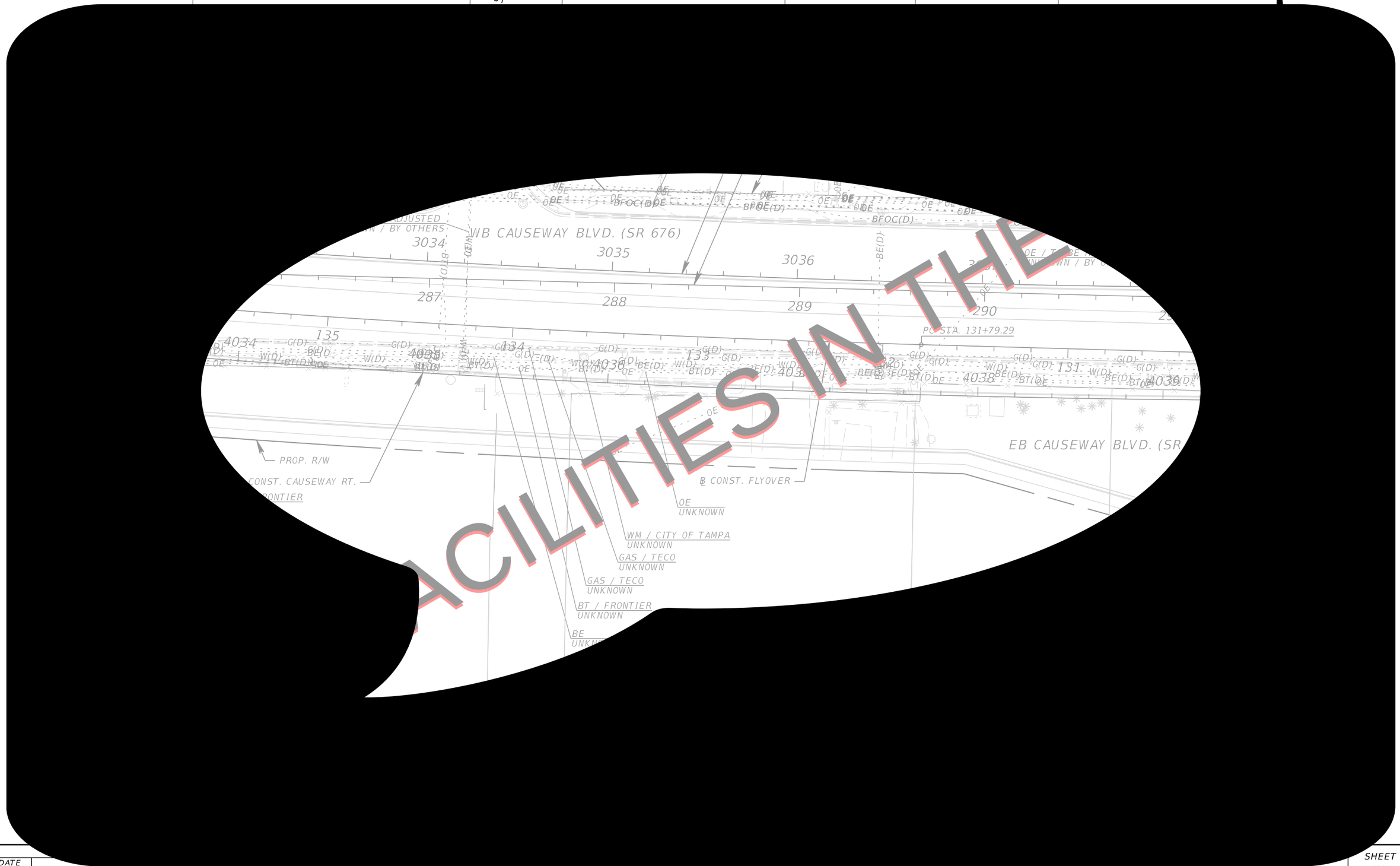

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DATE			

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Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (15)

SHEET NO.

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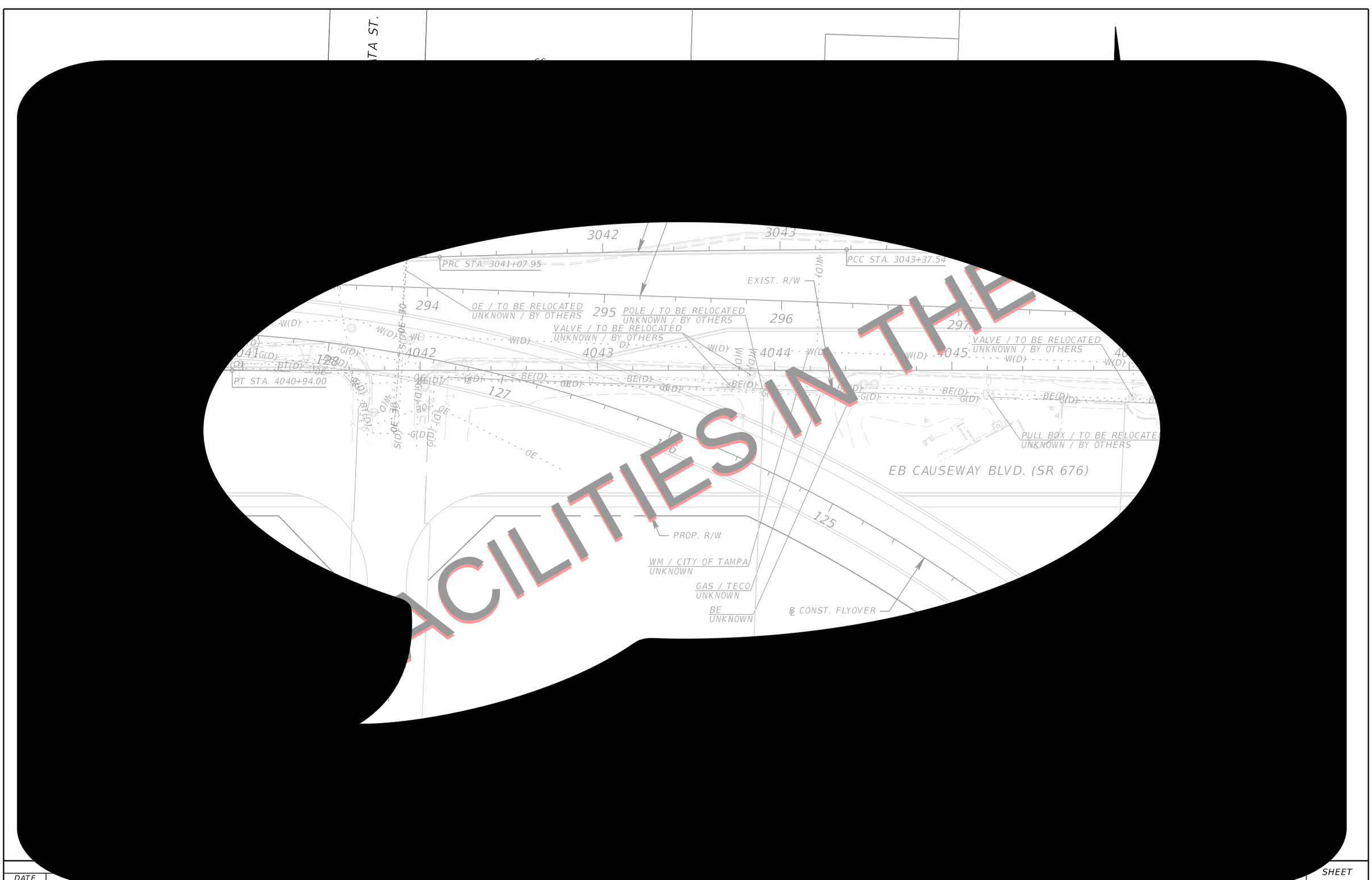
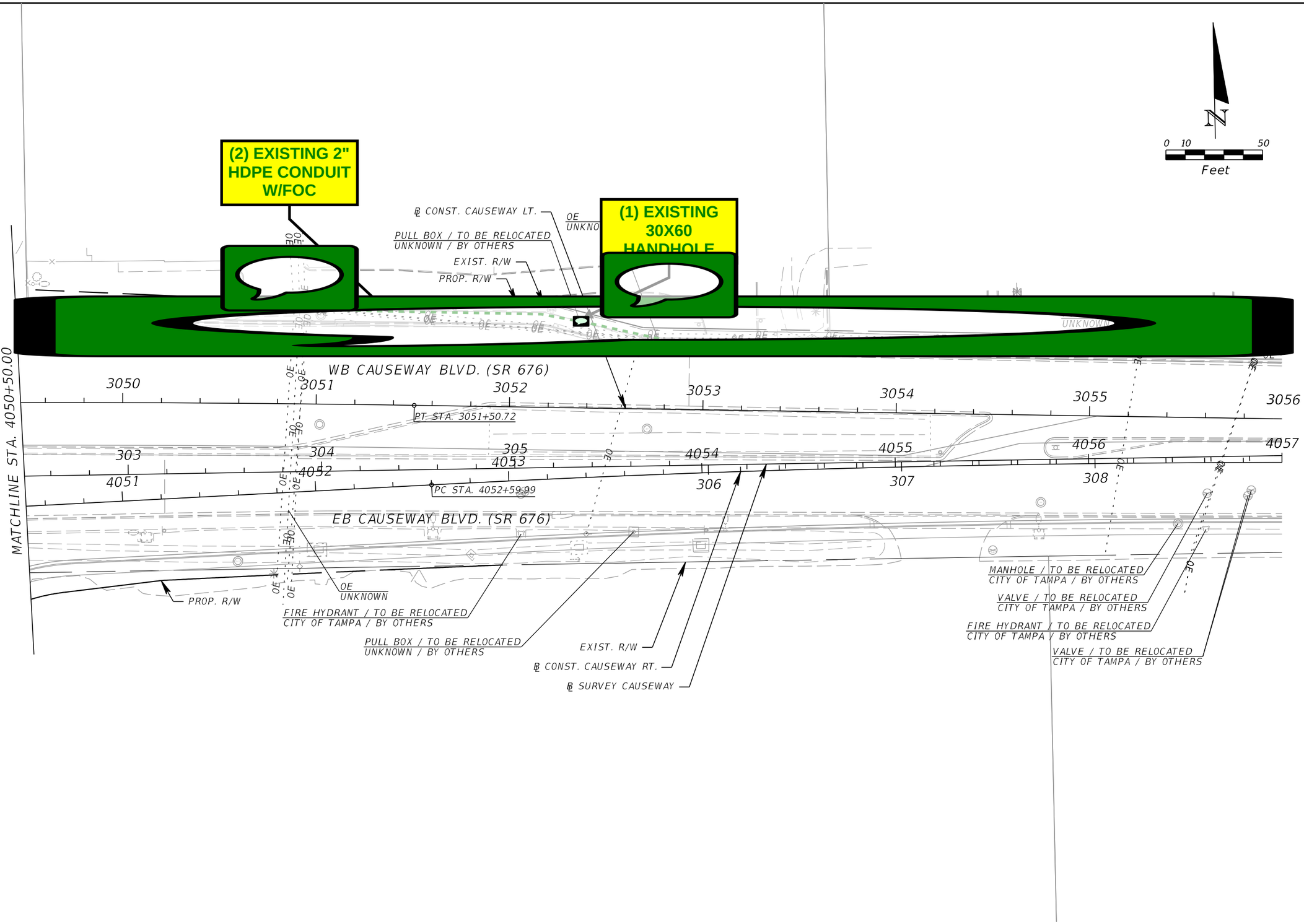


FACILITIES IN THE

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

DATE							SHEET NO.
			201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Engineer of Record: Branan R. Anderson, PE P.E. No.: 78438	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	UTILITY ADJUSTMENTS (16)
				SR 45	HILLSBOROUGH	440749-1-52-01	



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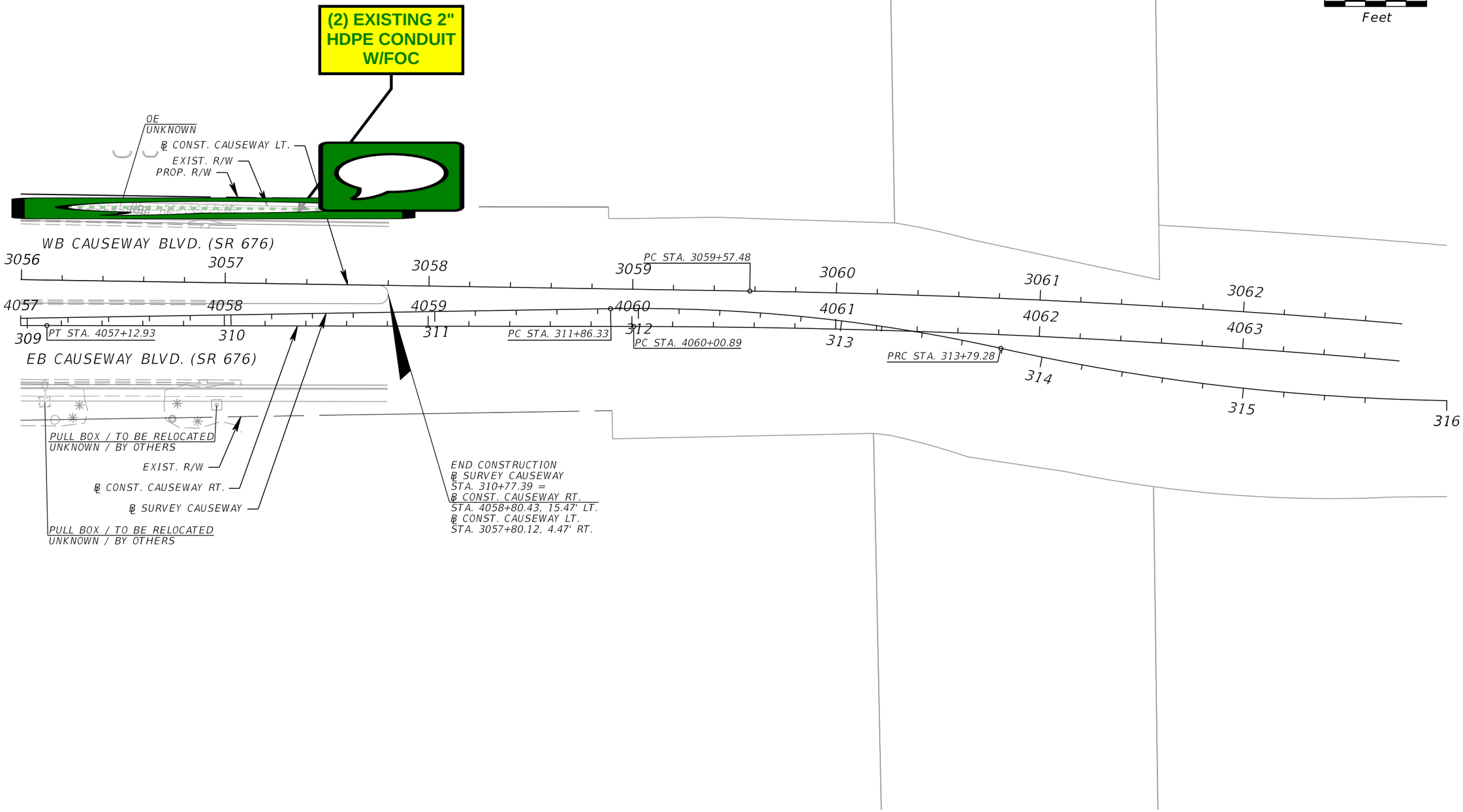
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (17)

SHEET NO.



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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (18)

SHEET NO.

Date:	12/04/2018	Test Hole Data Report	Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	General Location:	US 41
Truck No.:	D-3/T-2	ECHO UTILITY ENGINEERING & SURVEY	Coordinate Unit of Measure:	US Survey Feet

ECHO UES, Inc.
www.echoues.com
888.778.ECHO
- GROW, INSPIRE, MAKE A DIFFERENCE-

Utility Type			Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Horizontal: NAD83/11 Vertical: NAVD88 — Northing	Easting	Ground Elevation	Utility Elevation
1-1	BT	PVC	2 - 4"	3.26'			IRC	NG	N/A	FRONTIER	1301204.90'	526413.67'	7.51'	4.25'
1-2	WM	CI	6"	3.30'			IRC	NG	N/A	COT	1301205.19'	526416.74'	7.48'	4.18'
1-3	FOC/BT	PVC	4"	2.47'			IRC	NG	N/A	FRONTIER	1301204.95'	526415.25'	7.48'	5.01'
1-4	FOC	PE	12 - 1.5"	8.80'			IRC	NG	N/A	FRONTIER	1301205.12'	526418.96'	7.36'	-1.44'
1-5	CATV	PVC	2 - 2"	5.54'			IRC	NG	N/A	SPECTRUM	1301181.11'	526321.06'	6.85'	1.31'
1-6	BT	PVC	2 - 4"	3.44'			IRC	NG	N/A	FRONTIER	1301811.38'	526417.02'	6.84'	3.40'
1-7	FOC/BT	PVC	4"	2.42'			IRC	NG	N/A	FRONTIER	1301811.47'	526418.97'	6.84'	4.42'
1-8	WM	UNK	UNK	10.06'			IRC	NG	N/A	COT	1301810.12'	526422.34'	6.83'	-3.23'
1-9	FOC/BT	PVC	4"	3.34'			IRC	NG	N/A	FRONTIER	1301810.56'	526424.00'	6.49'	3.15'

Notes: 1-8 - Unable to visually verify size and matterial due to depth and groundwater. Possible 6" cast iron.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (19)

SHEET NO.

Date:	12/05/2018	Test Hole Data Report	Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	General Location:	US 41
Truck No.:	D-3/T-2	ECHO UTILITY ENGINEERING & SURVEY	Coordinate Unit of Measure:	US Survey Feet

ECHO UES, Inc.
www.echoues.com
888.778.ECHO
- GROW, INSPIRE, MAKE A DIFFERENCE-

Utility Type			Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Northing	Datums: Easting (Horizontal: NAD83/11, Vertical: NAVD88)	Ground Elevation	Utility Elevation
1-10	FOC	PE	12 - 1.5"	3.96'			IRC	NG	N/A	FRONTIER	1302430.03'	526421.52'	6.62'	2.66'
1-11	BT	PVC	2 - 4"	2.50'			IRC	NG	N/A	FRONTIER	1302430.50'	526424.77'	6.68'	4.18'
1-12	FOC/BT	PVC	4"	1.90'			IRC	NG	N/A	FRONTIER	1302430.47'	526425.15'	6.69'	4.79'
1-13	BT	DBC	2"	1.56'			IRC	NG	N/A	FRONTIER	1302430.15'	526428.11'	6.81'	5.25'
1-14	WM	DIP	6"	3.40'			IRC	NG	N/A	COT	1302428.62'	526446.38'	8.20'	4.80'
1-15	GM	STL	4"	3.00'			IRC	NG	N/A	COT	1302488.18'	526318.06'	6.08'	3.08'
1-16	BT	PVC	4"	3.50'			IRC	NG	N/A	FRONTIER	1301205.22'	526417.96'	7.50'	4.00'
1-17	BT	DBC	2"	3.00'			IRC	NG	N/A	FRONTIER	1301810.09'	526422.72'	6.80'	3.80'

Notes:

Prepared by: EE *Date: 02/12/2019*

Checked by: AB *Date: 02/12/2019*

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (20)

SHEET NO.

Date:	12/06/2018	Test Hole Data Report	Crew Members:	DW, TG, MAJ
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618 1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708 — ECHO UTILITY ENGINEERING & SURVEY — ECHO UES, Inc. www.echoues.com 888.778.ECHO - GROW, INSPIRE, MAKE A DIFFERENCE -	City, State:	Tampa, Florida
Financial Project #:	N/A		General Location:	US 41
Truck No.:	D-3/T-2		Coordinate Unit of Measure:	US Survey Feet

Utility Type		Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water	AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light	CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal	CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line	DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service	CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service	CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility	CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct	DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct	DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Datums: Horizontal: NAD83/11 — Vertical: NAVD88

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	N Utility Direction	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Northing	Easting	Ground Elevation	Utility Elevation
1-18	BT	PVC	2 - 4"	3.82'			IRC	NG	N/A	FRONTIER	1303091.15'	526425.13'	7.04'	3.22'
1-19	FOC/BT	PVC	4"	2.54'			IRC	NG	N/A	FRONTIER	1303091.17'	526425.73'	6.99'	4.45'
1-20	BT	LEAD	2 - 2"	3.00'			IRC	NG	N/A	FRONTIER	1303091.09'	526427.92'	6.86'	3.86'
1-21	FOC	UNK	12 - 1.5"	9.22'			IRC	NG	N/A	FRONTIER	1303091.01'	526430.76'	6.58'	-2.64'
1-22	BT	LEAD	2 - 2"	2.00'			IRC	NG	N/A	FRONTIER	1303695.15'	526432.46'	6.77'	4.77'
1-23	BT	PVC	2 - 4"	2.76'			IRC	NG	N/A	FRONTIER	1303695.20'	526433.46'	6.70'	3.94'
1-24	BT	LEAD	2 - 2"	2.74'			IRC	NG	N/A	FRONTIER	1304500.45'	526435.53'	7.28'	4.54'

Notes: 1-21 - Unable to visually verify size and material due to depth and groundwater. Possibly 12 - 1.5" polyethylene pipes.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

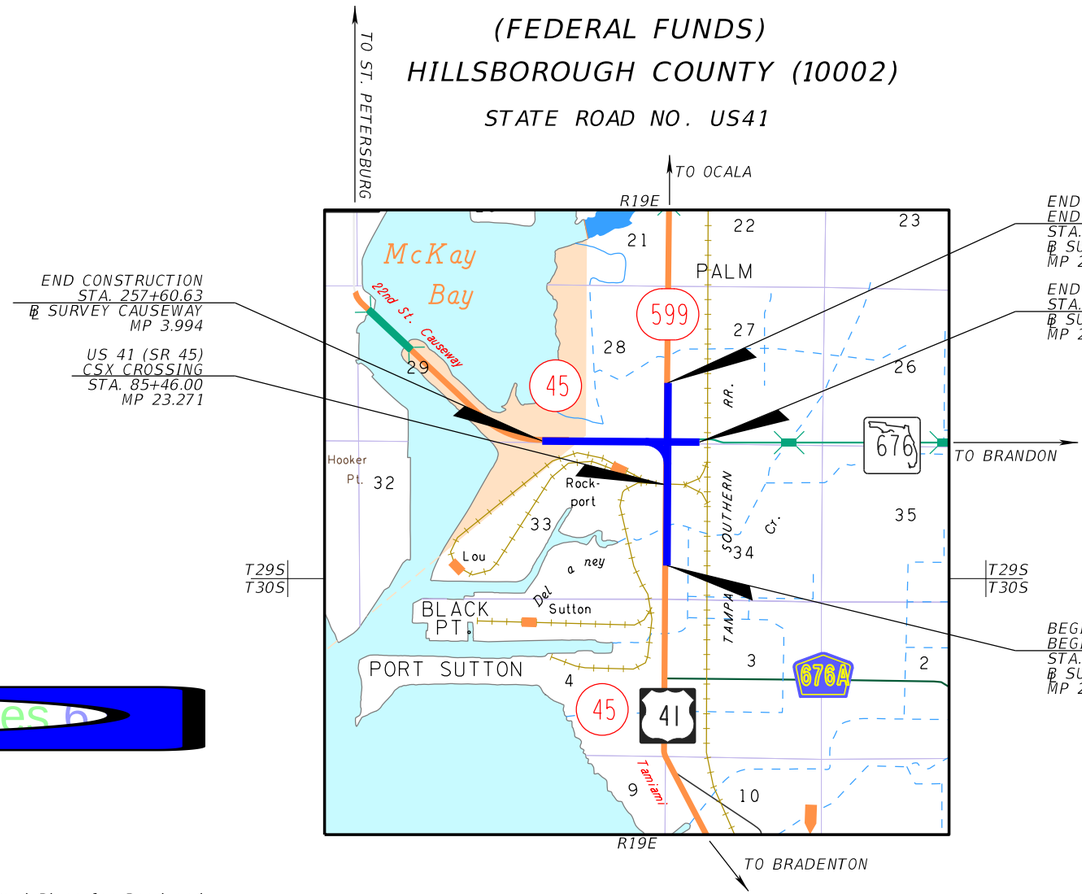
CONTRACT PLANS

FINANCIAL PROJECT ID 440749-1-52-01

(FEDERAL FUNDS)

HILLSBOROUGH COUNTY (10002)

STATE ROAD NO. US41



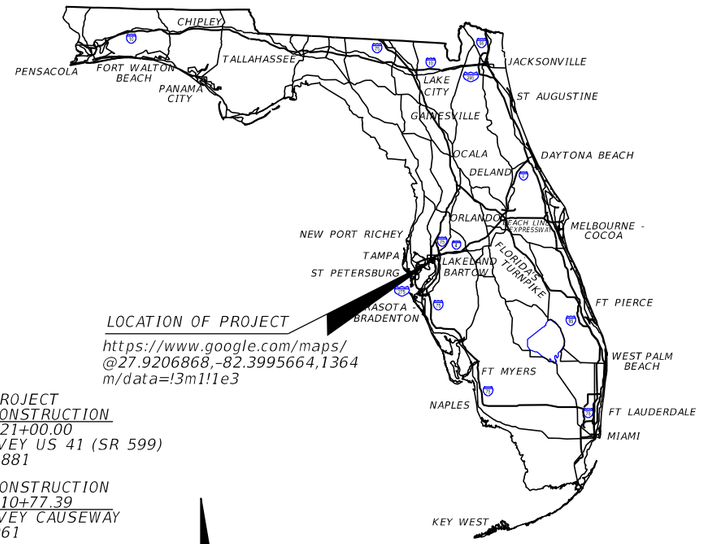
END CONSTRUCTION
STA. 257+60.63
℄ SURVEY CAUSEWAY
MP 3.994

US 41 (SR 45)
CSX CROSSING
STA. 85+46.00
MP 23.271

END PROJECT
END CONSTRUCTION
STA. 121+00.00
℄ SURVEY US 41 (SR 599)
MP 23.881

END CONSTRUCTION
STA. 310+77.39
℄ SURVEY CAUSEWAY
MP 2.961

BEGIN PROJECT
BEGIN CONSTRUCTION
STA. 58+31.17
℄ SURVEY US 41 (SR. 45)
MP 22.756



LOCATION OF PROJECT

https://www.google.com/maps/@27.9206868,-82.3995664,1364m/data=!3m1!1e3

N

0 ½ 1
Mile

Group Green-lines 6

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2021-22 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

APPLICABLE IRs: N/A

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

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

FACILITY LOCATIONS BASED ON
AND/OR DESIGN DRAWINGS

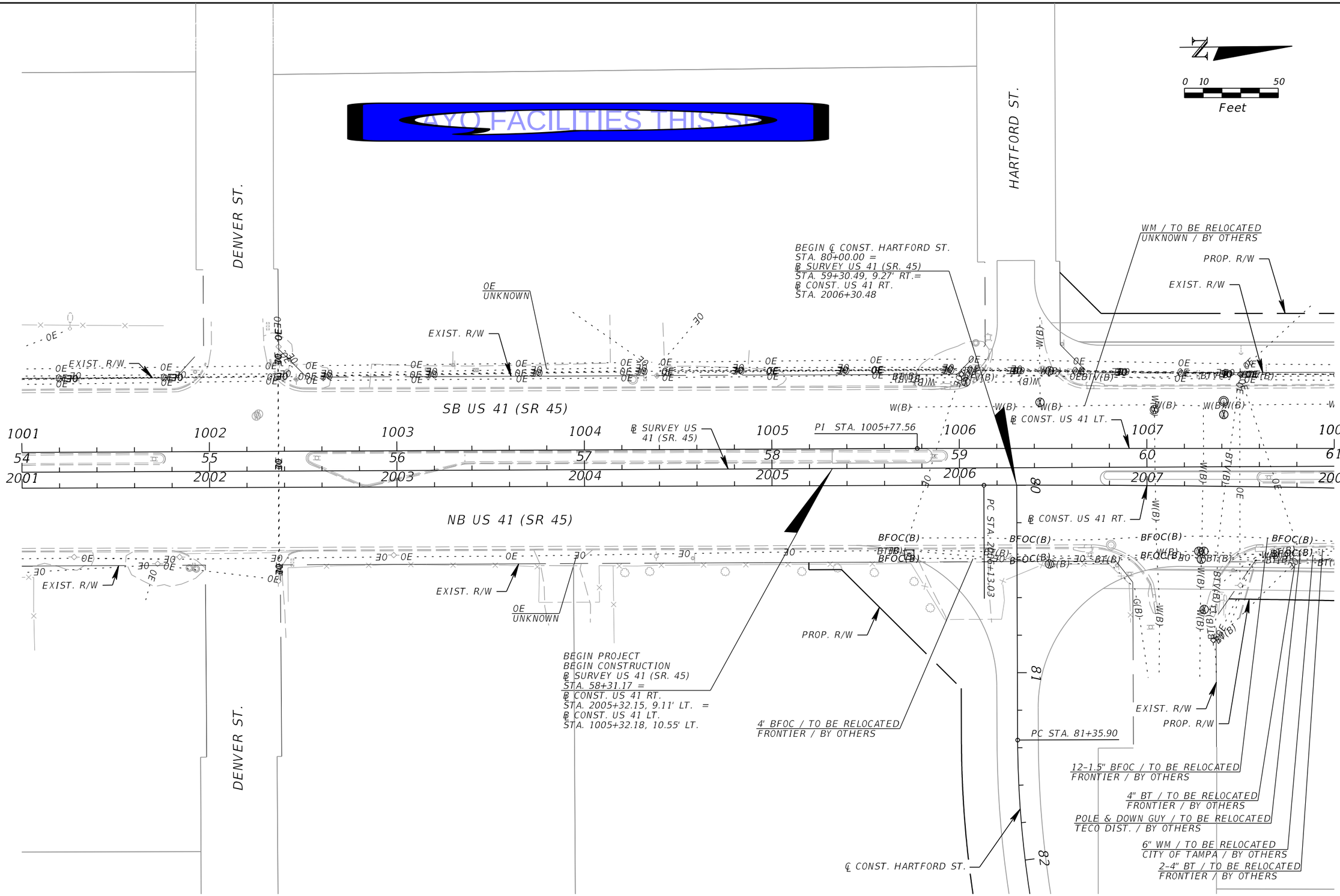
ROADWAY PLANS ENGINEER OF RECORD:

BRANAN R. ANDERSON, P.E. NO.: 78438
KISINGER CAMPO AND ASSOCIATES CORP.
CONSULTING ENGINEERS & PLANNERS
201 N. FRANKLIN STREET, SUITE 400
TAMPA, FLORIDA 33602
(813) 871-5331
VENDOR NUMBER.: F59-1677145

FDOT PROJECT MANAGER:

TIM O'BRIEN P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	21	1



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (1)

SHEET NO.

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AYO FACILITIES THIS SE

N

0 10 50

Feet

TRENTON ST.

BEGIN ℄ CONST. RAMP A
PC STA. 200+00.00 =
℄ SURVEY US 41 (SR. 45).
STA. 65+27.85, 51.80' LT.
℄ CONST. US 41 LT.
STA. 2012+26.37, 48.00' LT.

℄ CONST. RAMP A

PROP. R/W

EXIST. R/W

WM / TO BE RELOCATED
UNKNOWN / BY OTHERS

OE
UNKNOWN

PROP. R/W

EXIST. R/W

4" GAS / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

Vvh1-5

℄ CONST. US 41 LT.

PC STA. 1009+51.21

℄ SURVEY US
41 (SR. 45)

SB US 41 (SR 45)

200 201 202

1008 1009 1010 1011 1012 1013 1014 1015

61 62 63 64 65 66 67 68

2008 2009 2010 2011 2012 2013 2014 2015

℄ CONST. US 41 RT.

Vvh1-1
Vvh1-3
Vvh1-4
Vvh1-2

NB US 41 (SR 45)

300 301

EXIST. R/W

PROP. R/W

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

WATER METER / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

6" WM / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

HANDHOLE / TO BE RELOCATED
FRONTIER / BY OTHERS

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

TRENTON ST.

WATER VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

OE
UNKNOWN

EXIST. R/W

BEGIN ℄ CONST. RAMP B
POT STA. 300+00.00 =
℄ SURVEY US 41 (SR. 45)
STA. 66+47.55, 78.74' RT. =
℄ CONST. US 41 RT.
STA. 2013+51.78, 36.00' RT.

PROP. R/W

℄ CONST. RAMP B

WATER METER / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

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REVISIONS			
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201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

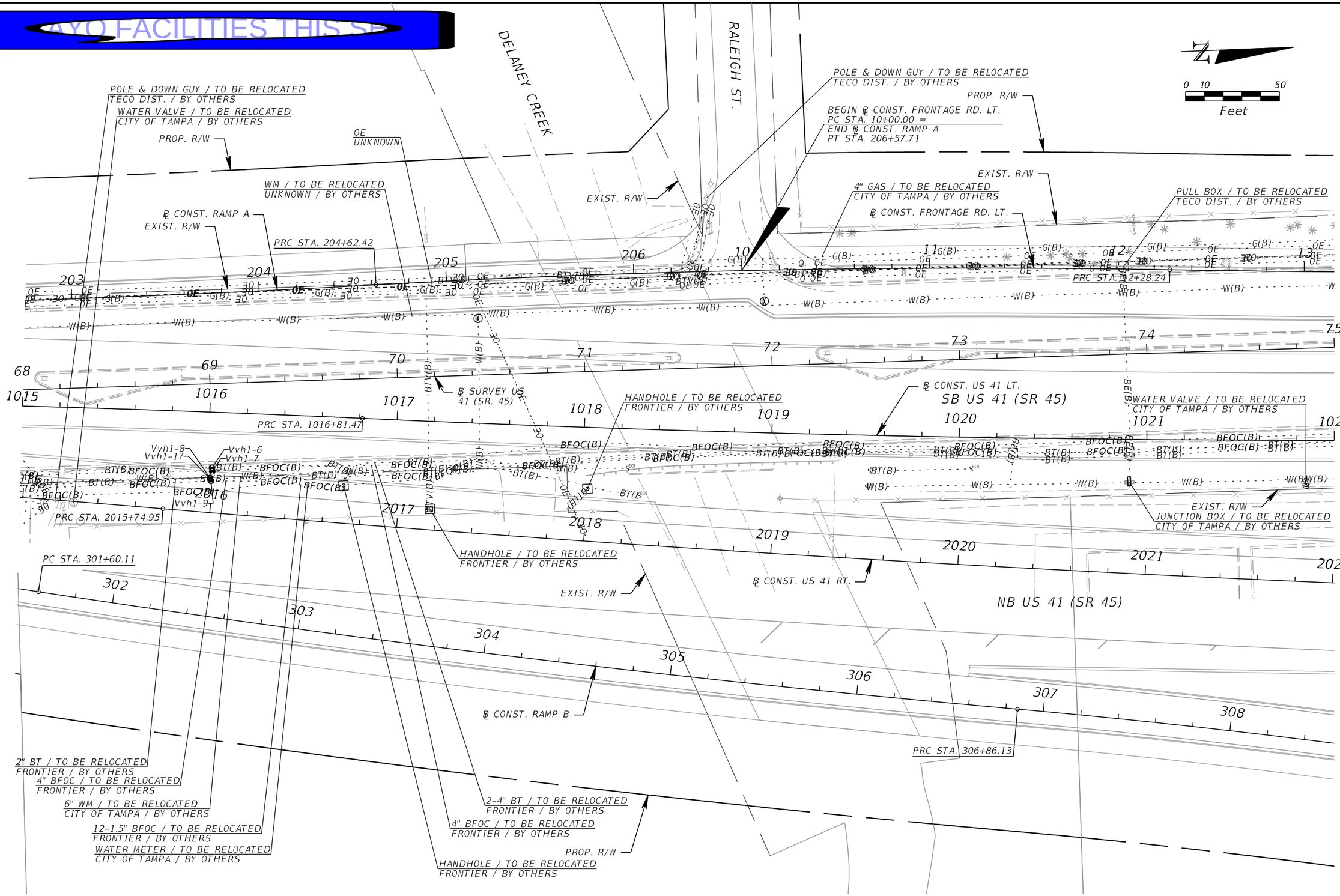
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (2)

SHEET NO.

AYO FACILITIES THIS SE



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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

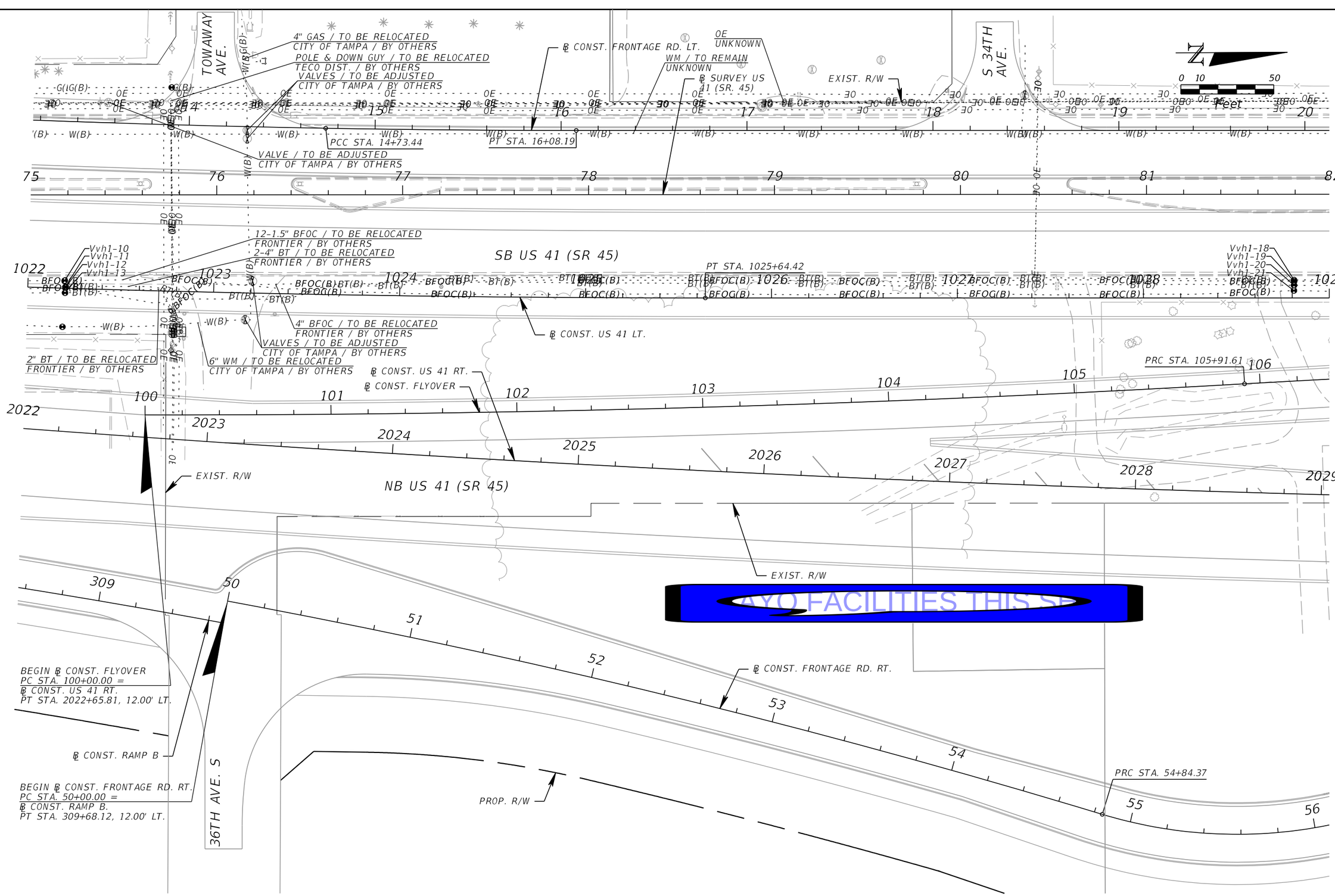
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (3)

SHEET NO.

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



AYO FACILITIES THIS SE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (4)

SHEET NO.

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END ℄ CONST. FRONTAGE RD. RT.
STA. 61+15.96
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
WM / TO REMAIN
UNKNOWN
℄ CONST. FRONTAGE RD. LT.
BEGIN ℄ CONST. ST. PAUL ST.
STA. 70+00.00
OE
UNKNOWN
℄ SURVEY US
41 (SR. 45)
OE
UNKNOWN
MANHOLE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
PULL BOX / TO BE RELOCATED
FRONTIER / BY OTHERS
POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS
VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
Vvh1-22
Vvh1-23
EXIST. R/W
SB US 41 (SR 45)
℄ CONST. US 41 LT.
PT STA. 59+50.64
PT STA. 112+54.86
BEGIN ℄ CONST.RAMP D
POTSTA. 500+00.00 =
℄ CONST. ST. PAUL ST.
STA. 72+12.39
℄ CONST. FLYOVER
EXIST. R/W
℄ CONST. US 41 RT.
℄ CONST. RAMP D
PCC STA. 2035+28.48
NB US 41 (SR 45)
CSX CROSSING
NO. 624802A
PROP. R/W
℄ CONST. FRONTAGE RD. RT.
PROP. R/W
BEGIN ℄ CONST. RAMP C
POT STA. 400+00.00 =
℄ CONST. ST. PAUL ST.
STA. 73+42.31
PI STA. 73+87.06
ST. PAUL ST.
PROP. R/W
℄ CONST. RAMP C
℄ CONST. ST. PAUL ST.
0 10 50
SHEET NO.

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201 N. Franklin Street, Suite 400
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Engineer of Record: Branan R. Anderson, PE
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (5)

SHEET NO.

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
℄ CONST. FRONAGE RD. LT.
STA. 30+83.05 =
℄ CONST. RAMP E.
STA. 600+00.00
℄ CONST. FRONTAGE RD. LT.
EXIST. R/W
S 31ST AVE.
OE
UNKNOWN
WM / TO BE RELOCATED
UNKNOWN / BY OTHERS
BE / TO BE RELOCATED
UNKNOWN / BY OTHERS
℄ SURVEY US
41 (SR. 45)
EXIST. R/W
℄ CONST RAMP E
PROP. R/W
PI STA. 602+38.79
N
0 10 50
Feet
℄ CONST. US 41 LT.
SB US 41 (SR 45)
PC STA. 1039+54.36
PC STA. 116+01.38
OE
UNKNOWN
℄ CONST. RAMP D
PC STA. 503+63.86
PCC STA. 506+10.32
℄ CONST. US 41 RT.
NB US 41 (SR 45)
EXIST. R/W
PT STA. 408+06.03
PC STA. 403+61.19
PCC STA. 406+57.91
END ℄ CONST RAMP C
POT STA 409+03.92 =
℄ CONST. US 41 RT.
STA. 2042+27.73
℄ CONST. RAMP C
PROP. R/W
AYO FACILITIES THIS SE

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (6)

SHEET NO.

EXIST. R/W
℄ CONST. FLYOVER
PROP. R/W
30TH AVE. S
122
121
MATCHLINE STA. 122+25.00
MATCHLINE STA. 4046+25.00
VALVE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
WM / TO BE RELOCATED
UNKNOWN / BY OTHERS
POLE / TO BE RELOCATED
TECO DIST. / BY OTHERS
℄ CONST. RAMP E
STA. 607+06.20 =
℄ SURVEY CAUSEWAY
STA. 299+71.72
℄ SURVEY US 41 (SR. 45)
STA. 99+75.43 =
℄ CONST. CAUSEWAY RT.
STA. 4048+03.05
PI STA. 604+02.52
VALVE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
℄ SURVEY US 41 (SR. 45)
BE / TO BE RELOCATED
UNKNOWN / BY OTHERS
SB US 41 (SR 45)
℄ CONST. US 41 LT.
℄ CONST. RAMP D
PT STA. 512+60.55
PULL BOX / TO BE RELOCATED
FRONTIER / BY OTHERS
℄ CONST. US 41 RT.
NB US 41 (SR 45)
FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
PROP. R/W
12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
BT / TO BE RELOCATED
UNKNOWN / BY OTHERS
END ℄ CONST. RAMP D
POT STA. 513+22.79 =
℄ CONST. US 41 RT.
STA. 2046+89.83, 16.38' LT.
VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
MATCHLINE STA. 4050+50.00
(3) 1-1/4" HDPE DUCTS F/W 1440
BFOC / FRONTIER
UNKNOWN
SS
UNKNOWN
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
℄ SURVEY US 41 (SR. 599)
STA. 101+36.88 =
℄ CONST. CAUSEWAY LT.
STA. 3047+02.40
EXIST. R/W
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
OE
UNKNOWN
PI STA. 300+00.14
PRC STA. 1048+34.99
℄ SURVEY US 41 (SR. 599)
0 10 50
Feet
N
PROP. R/W
OE
UNKNOWN
℄ SURVEY CAUSEWAY
STA. 300+23.34 =
℄ CONST. US 41 LT.
STA. 3047+02.68
℄ CONST. CAUSEWAY
STA. 3047+79.91 =
℄ CONST. US 41 RT.
STA. 3047+10.05
PROP. R/W

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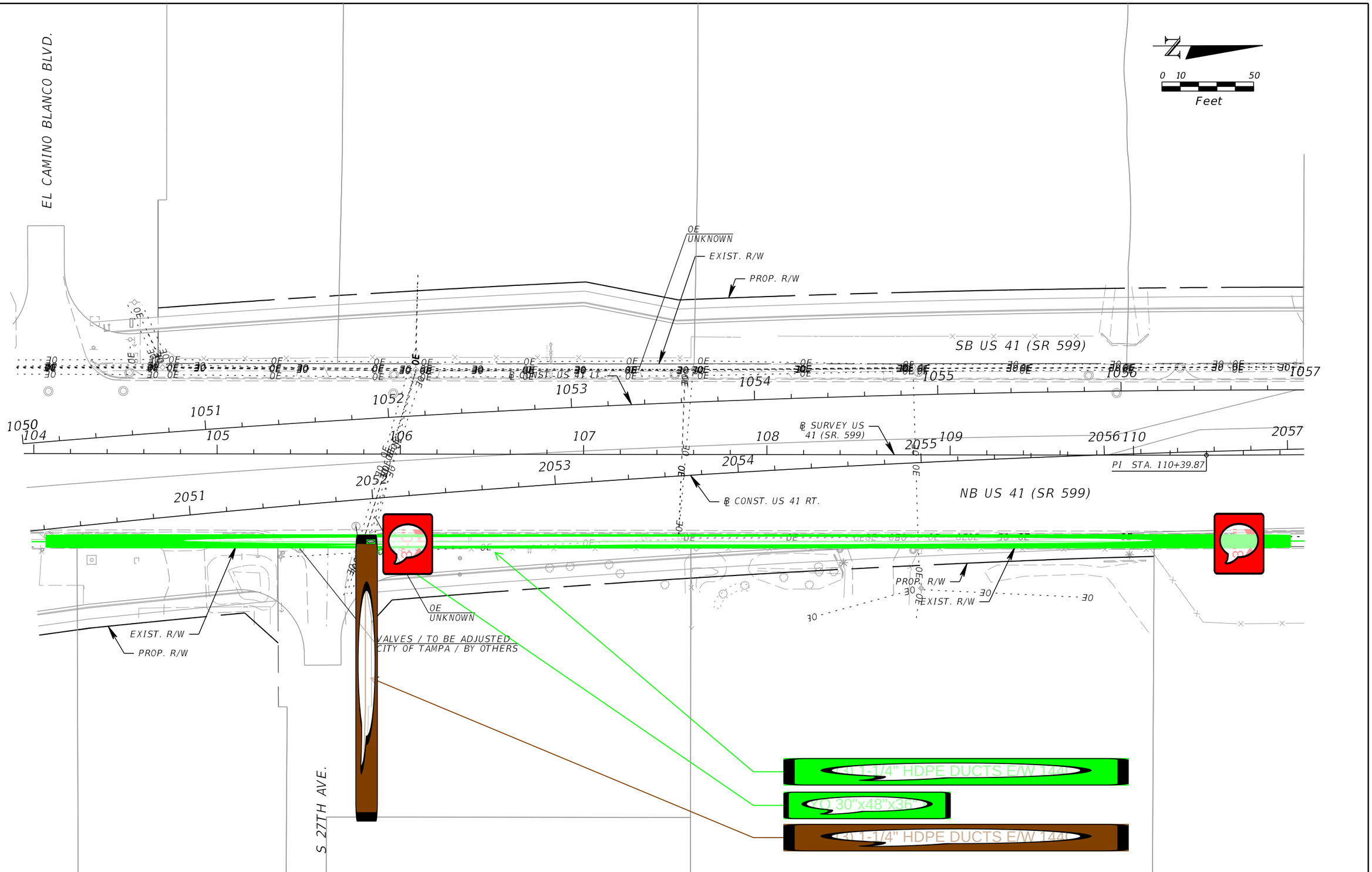
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (7)

SHEET NO.



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Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (8)

SHEET NO.

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0 10 50
Feet

SB US 41 (SR 599)

NB US 41 (SR 599)

OE
UNKNOWN

PROP. R/W

EXIST. R/W

℄ CONST. US 41 LT.

℄ CONST. 41 RT.

℄ SURVEY US

PRC STA. 1061+64.38

PRC STA. 2061+21.22

1057 1058 1059 1060 1061 1062 1063 1064

111 2058 112 2059 113 2060 114 2061 115 2062 116 2063 117 2064

SOUTH AVE.

(2) 1-1/4" HDPE DUCTS F/W 1441

(2) 30"x48"x36"

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (9)

SHEET NO.

N

0 10 50

Feet

S 23RD AVE.

S 21ST AVE.

PROP. R/W

EXIST. R/W

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

FIRE HYDRANT / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS

POLE / TO BE RELOCATED
TECO DIST. / BY OTHERS

PROP. R/W

OE
UNKNOWN

EXIST. R/W

SB US 41 (SR 599)

1064 1065 1066 1067 1068 1069 1070 1071

118 119 120 121 122 123 124

2065 2066 2067 2068 2069 2070 2071

PT STA. 1066+73.97

℄ CONST. US 41 LT.

PT STA. 2065+26.70

NB US 41 (SR 599)

℄ CONST. 41 RT.

℄ SURVEY US 41 (SR. 599)

OE
UNKNOWN

PROP. R/W

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

EXIST. R/W

HABERSHAM LN.

END PROJECT
END CONSTRUCTION
℄ SURVEY US 41 (SR. 599)
STA. 121+00.00 =
℄ CONST. US 41 RT.
STA. 2067+15.99, 6.12' RT. =
℄ CONST. US 41 LT.
STA. 1067+07.19, 4.67' LT.

(4) 1-1/4" HDPE DUCTS F/W 1440

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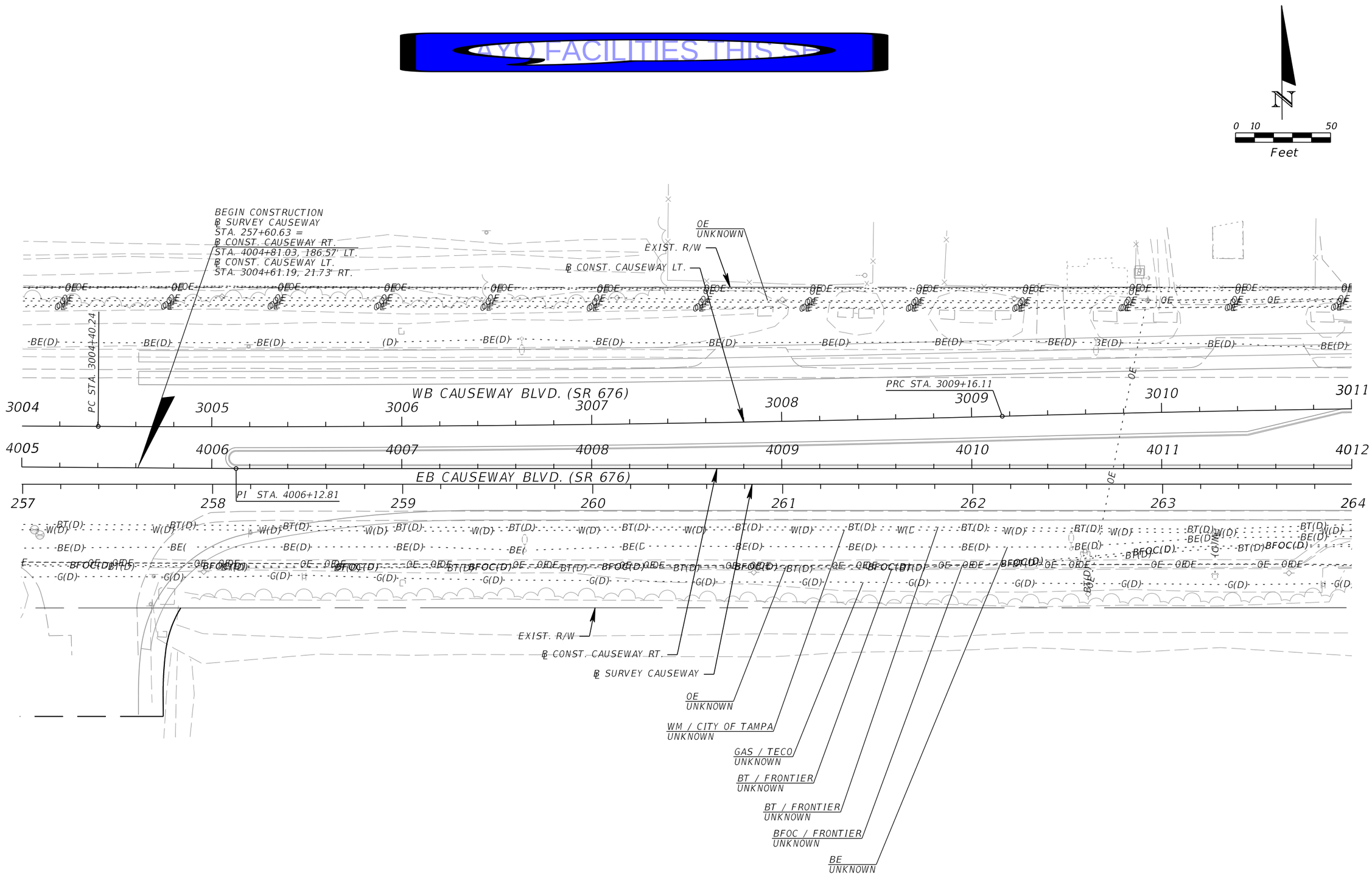
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (10)

SHEET NO.

AYO FACILITIES THIS SE



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Tampa, Florida 33602
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (11)

SHEET NO.

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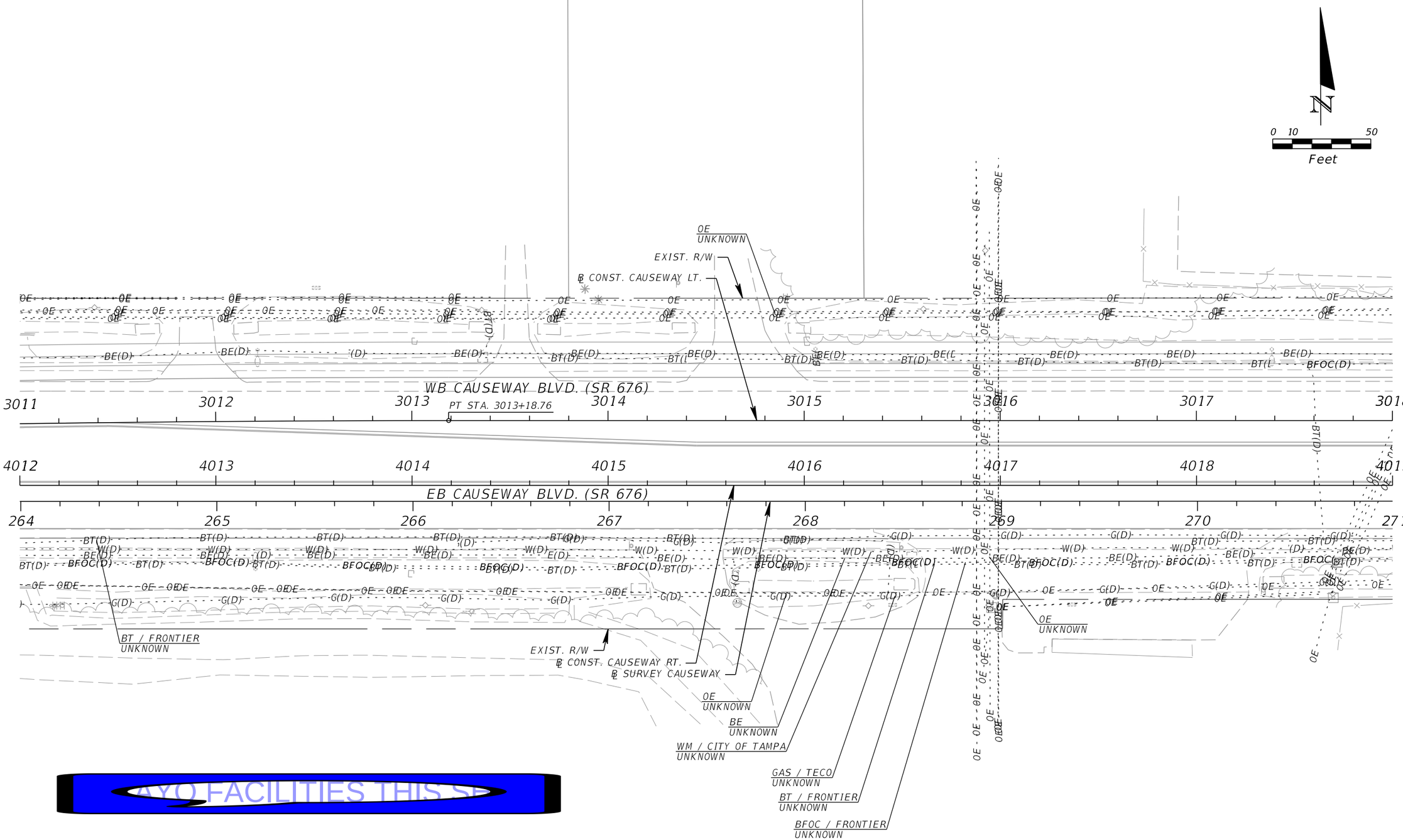

AYO FACILITIES THIS SE

REVISIONS			
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Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (12)

SHEET NO.

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AYO FACILITIES THIS SE

N

0 10 50

Feet

OE
UNKNOWN

EXIST. R/W

℄ CONST. CAUSEWAY LT.

END BL CONST. FLYOVER
STA. 145+60.67 =
BL CONST. CAUSEWAY LT.
STA. 3022+87.30, 11.00' RT.

WB CAUSEWAY BLVD. (SR 676)

3018 3019 3020 3021 3022 3023 3024 3025

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

4019 4020 4021 4022 4023 4024 145 4025 144 4026

EB CAUSEWAY BLVD. (SR 676)

PC STA. 4023+26.97

271 272 273 274 275 276 277 278

OE
UNKNOWN

EXIST. R/W

℄ CONST. CAUSEWAY RT.

℄ SURVEY CAUSEWAY

WM / CITY OF TAMPA
UNKNOWN

GAS / TECO
UNKNOWN

BT / FRONTIER
UNKNOWN

BFOC / FRONTIER
UNKNOWN

BE
UNKNOWN

EXIST. R/W

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (13)

SHEET NO.

S 45TH ST.

0 10 50
Feet

℄ CONST. CAUSEWAY LT.
EXIST. R/W
OE
UNKNOWN
OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS
PROP. R/W
EXIST. R/W
WB CAUSEWAY BLVD. (SR 676)
PC STA. 3026+65.79
OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS
OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS
PRC STA. 3030+80.62
PRC STA. 138+59.38
PRC STA. 4030+58.31
EB CAUSEWAY BLVD. (SR 676)
279
OE
UNKNOWN
EXIST. R/W
℄ CONST. FLYOVER
℄ CONST. CAUSEWAY RT.
PROP. R/W
℄ SURVEY CAUSEWAY
WM / CITY OF TAMPA
UNKNOWN
GAS / TECO
UNKNOWN
GAS / TECO
UNKNOWN
BT / FRONTIER
UNKNOWN
BFOC / FRONTIER
UNKNOWN
BE
UNKNOWN

AYO FACILITIES THIS SE

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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (14)

SHEET NO.

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S 47TH ST.

N

0 10 50
Feet

PROP. R/W
EXIST. R/W
OE
UNKNOWN

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

BFOC / FRONTIER
UNKNOWN

℄ CONST. CAUSEWAY RT.

℄ SURVEY CAUSEWAY

EXIST. R/W

WB CAUSEWAY BLVD. (SR 676)

OE / TO BE RELOCATED
UNKNOWN / BY OTHERS

PCC STA. 3038+73.98

PC STA. 131+79.29

EB CAUSEWAY BLVD. (SR 676)

PROP. R/W

℄ CONST. CAUSEWAY RT.

BFOC / FRONTIER
UNKNOWN

℄ CONST. FLYOVER

OE
UNKNOWN

WM / CITY OF TAMPA
UNKNOWN

GAS / TECO
UNKNOWN

GAS / TECO
UNKNOWN

BT / FRONTIER
UNKNOWN

BE
UNKNOWN

AYO FACILITIES THIS SE

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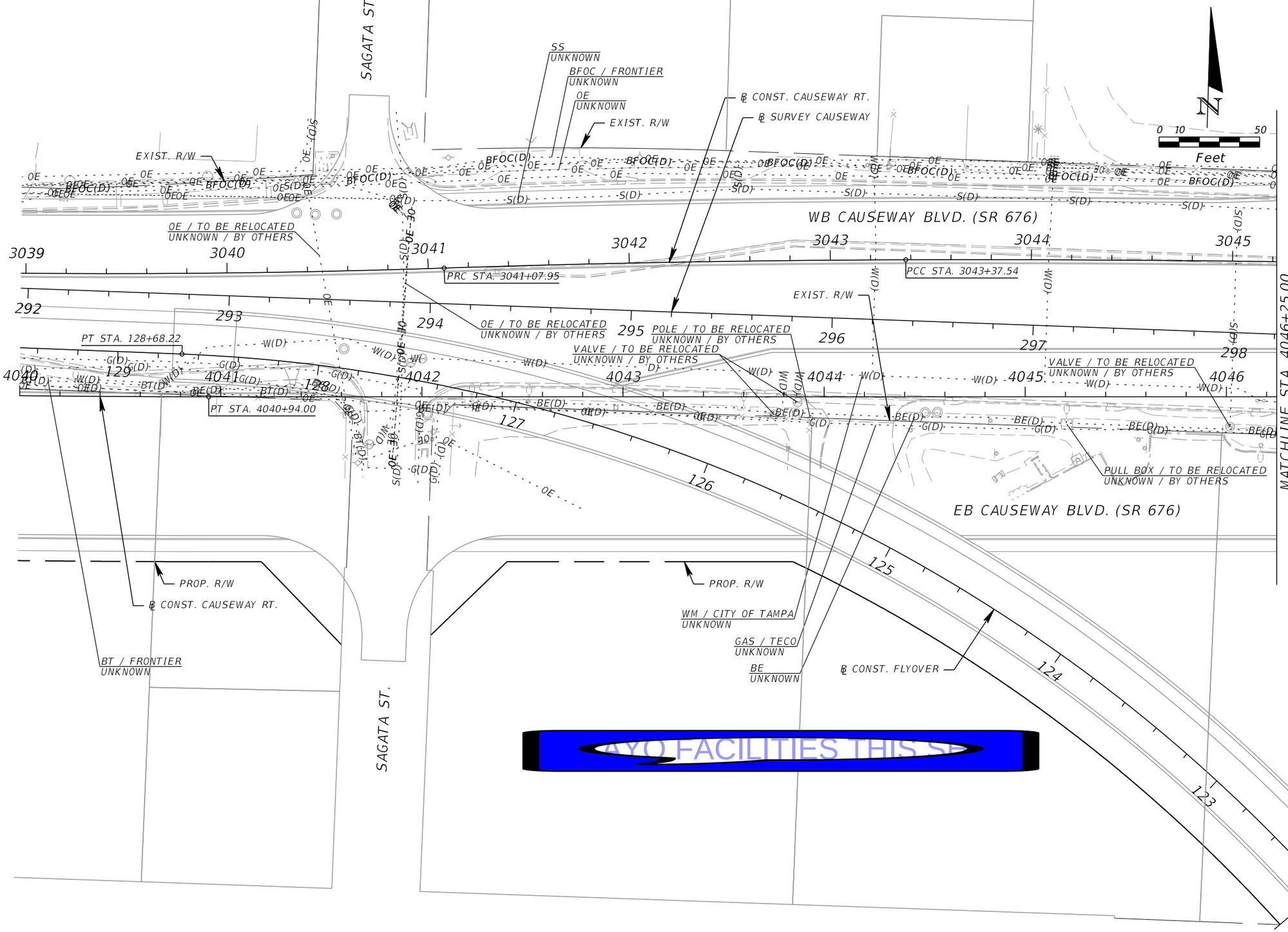
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (15)

SHEET NO.



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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (16)

SHEET NO.

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ZAYO (3) 1-1/4" HDPE DUCTS E/W 144CT FOC

N

0 10 50
Feet

℄ CONST. CAUSEWAY LT.
OE
UNKNOWN
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
EXIST. R/W

WB CAUSEWAY BLVD. (SR 676)

3050 3051 3052 3053 3054 3055 3056
PT STA. 3051+50.72
303 304 305 4053 4054 4055 4056 4057
4051 4052 306 307 308
PC STA. 4052+59.99

EB CAUSEWAY BLVD. (SR 676)

MATCHLINE STA. 4050+50.00

PROP. R/W
OE
UNKNOWN
FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
EXIST. R/W
℄ CONST. CAUSEWAY RT.
℄ SURVEY CAUSEWAY

MANHOLE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (17)

SHEET NO.

ZAYO (3) 1-1/4" HDPE DUCTS E/W 144CT FOC

N

0 10 50
Feet

OE
UNKNOWN

℄ CONST. CAUSEWAY LT.

EXIST. R/W

PROP. R/W

WB CAUSEWAY BLVD. (SR 676)

3056 3057 3058 3059 3060 3061 3062 3063

PC STA. 3059+57.48

4057 4058 4059 4060 4061 4062 4063

309 310 311 312 313 314 315 316

PT STA. 4057+12.93

PC STA. 311+86.33

PC STA. 4060+00.89

PRC STA. 313+79.28

EB CAUSEWAY BLVD. (SR 676)

PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS

EXIST. R/W

℄ CONST. CAUSEWAY RT.

℄ SURVEY CAUSEWAY

PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS

END CONSTRUCTION
℄ SURVEY CAUSEWAY
STA. 310+77.39 =
℄ CONST. CAUSEWAY RT.
STA. 4058+80.43, 15.47' LT.
℄ CONST. CAUSEWAY LT.
STA. 3057+80.12, 4.47' RT.

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (18)

SHEET NO.

Date:	12/04/2018	Test Hole Data Report	Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	General Location:	US 41
Truck No.:	D-3/T-2	ECHO UTILITY ENGINEERING & SURVEY	Coordinate Unit of Measure:	US Survey Feet

ECHO UES, Inc.
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888.778.ECHO
- GROW, INSPIRE, MAKE A DIFFERENCE-

Utility Type			Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Horizontal: NAD83/11 Vertical: NAVD88 — Northing	Easting	Ground Elevation	Utility Elevation
1-1	BT	PVC	2 - 4"	3.26'			IRC	NG	N/A	FRONTIER	1301204.90'	526413.67'	7.51'	4.25'
1-2	WM	CI	6"	3.30'			IRC	NG	N/A	COT	1301205.19'	526416.74'	7.48'	4.18'
1-3	FOC/BT	PVC	4"	2.47'			IRC	NG	N/A	FRONTIER	1301204.95'	526415.25'	7.48'	5.01'
1-4	FOC	PE	12 - 1.5"	8.80'			IRC	NG	N/A	FRONTIER	1301205.12'	526418.96'	7.36'	-1.44'
1-5	CATV	PVC	2 - 2"	5.54'			IRC	NG	N/A	SPECTRUM	1301181.11'	526321.06'	6.85'	1.31'
1-6	BT	PVC	2 - 4"	3.44'			IRC	NG	N/A	FRONTIER	1301811.38'	526417.02'	6.84'	3.40'
1-7	FOC/BT	PVC	4"	2.42'			IRC	NG	N/A	FRONTIER	1301811.47'	526418.97'	6.84'	4.42'
1-8	WM	UNK	UNK	10.06'			IRC	NG	N/A	COT	1301810.12'	526422.34'	6.83'	-3.23'
1-9	FOC/BT	PVC	4"	3.34'			IRC	NG	N/A	FRONTIER	1301810.56'	526424.00'	6.49'	3.15'

Notes: 1-8 - Unable to visually verify size and matterial due to depth and groundwater. Possible 6" cast iron.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (19)

SHEET NO.

Date:	12/05/2018	Test Hole Data Report	Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	General Location:	US 41
Truck No.:	D-3/T-2	ECHO UTILITY ENGINEERING & SURVEY	Coordinate Unit of Measure:	US Survey Feet

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GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Northing	Datums: Easting (Horizontal: NAD83/11, Vertical: NAVD88)	Ground Elevation	Utility Elevation
1-10	FOC	PE	12 - 1.5"	3.96'			IRC	NG	N/A	FRONTIER	1302430.03'	526421.52'	6.62'	2.66'
1-11	BT	PVC	2 - 4"	2.50'			IRC	NG	N/A	FRONTIER	1302430.50'	526424.77'	6.68'	4.18'
1-12	FOC/BT	PVC	4"	1.90'			IRC	NG	N/A	FRONTIER	1302430.47'	526425.15'	6.69'	4.79'
1-13	BT	DBC	2"	1.56'			IRC	NG	N/A	FRONTIER	1302430.15'	526428.11'	6.81'	5.25'
1-14	WM	DIP	6"	3.40'			IRC	NG	N/A	COT	1302428.62'	526446.38'	8.20'	4.80'
1-15	GM	STL	4"	3.00'			IRC	NG	N/A	COT	1302488.18'	526318.06'	6.08'	3.08'
1-16	BT	PVC	4"	3.50'			IRC	NG	N/A	FRONTIER	1301205.22'	526417.96'	7.50'	4.00'
1-17	BT	DBC	2"	3.00'			IRC	NG	N/A	FRONTIER	1301810.09'	526422.72'	6.80'	3.80'

Notes:

Prepared by: EE *Date: 02/12/2019*

Checked by: AB *Date: 02/12/2019*

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (20)

SHEET NO.

Date:	12/06/2018	Test Hole Data Report		Crew Members:	DW, TG, MAJ
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618 1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	ECHO UTILITY ENGINEERING & SURVEY ECHO UES, Inc. www.echoues.com 888.778.ECHO - GROW, INSPIRE, MAKE A DIFFERENCE -	City, State:	Tampa, Florida
Financial Project #:	N/A			General Location:	US 41
Truck No.:	D-3/T-2			Coordinate Unit of Measure:	US Survey Feet

Utility Type		Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water	AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light	CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal	CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line	DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service	CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service	CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility	CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct	DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct	DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Datums: Horizontal: NAD83/11; Vertical: NAVD88

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Northing	Easting	Ground Elevation	Utility Elevation
1-18	BT	PVC	2 - 4"	3.82'			IRC	NG	N/A	FRONTIER	1303091.15'	526425.13'	7.04'	3.22'
1-19	FOC/BT	PVC	4"	2.54'			IRC	NG	N/A	FRONTIER	1303091.17'	526425.73'	6.99'	4.45'
1-20	BT	LEAD	2 - 2"	3.00'			IRC	NG	N/A	FRONTIER	1303091.09'	526427.92'	6.86'	3.86'
1-21	FOC	UNK	12 - 1.5"	9.22'			IRC	NG	N/A	FRONTIER	1303091.01'	526430.76'	6.58'	-2.64'
1-22	BT	LEAD	2 - 2"	2.00'			IRC	NG	N/A	FRONTIER	1303695.15'	526432.46'	6.77'	4.77'
1-23	BT	PVC	2 - 4"	2.76'			IRC	NG	N/A	FRONTIER	1303695.20'	526433.46'	6.70'	3.94'
1-24	BT	LEAD	2 - 2"	2.74'			IRC	NG	N/A	FRONTIER	1304500.45'	526435.53'	7.28'	4.54'

Notes: 1-21 - Unable to visually verify size and material due to depth and groundwater. Possibly 12 - 1.5" polyethylene pipes.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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REVISIONS			
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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (21)

SHEET NO.

STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

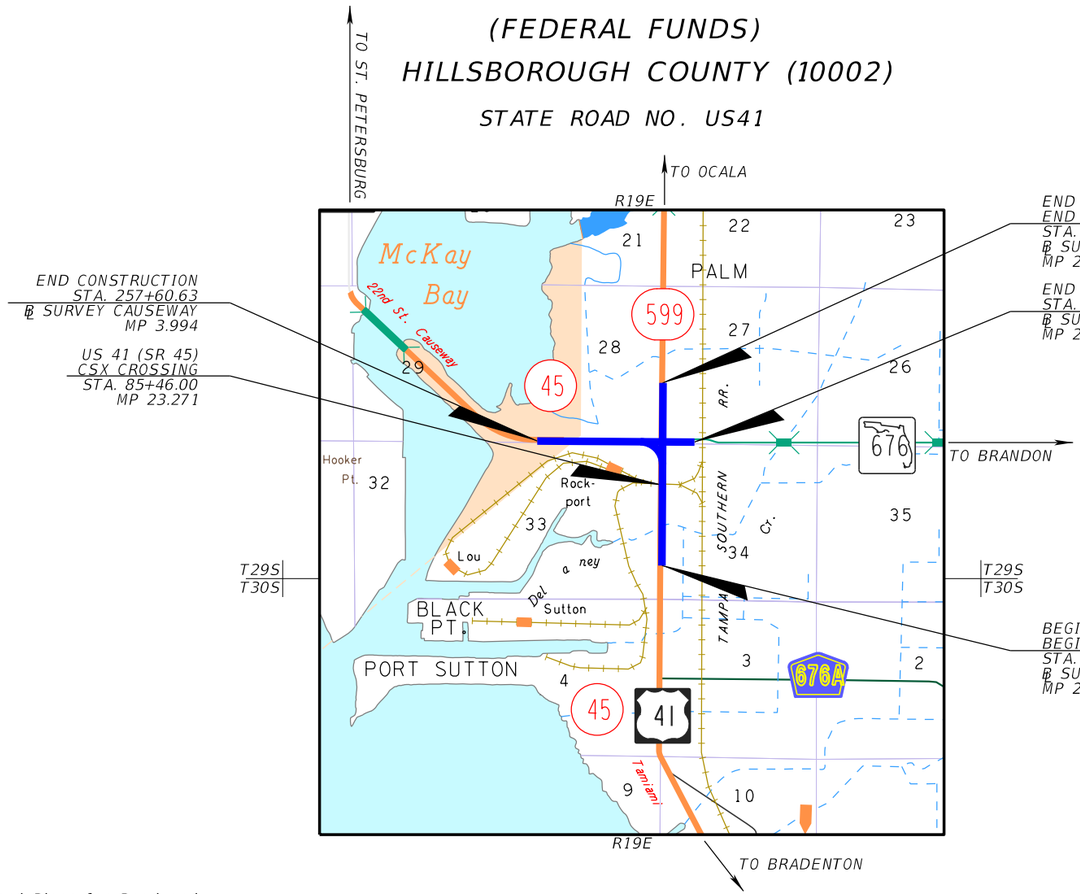
CONTRACT PLANS

FINANCIAL PROJECT ID 440749-1-52-01

(FEDERAL FUNDS)

HILLSBOROUGH COUNTY (10002)

STATE ROAD NO. US41



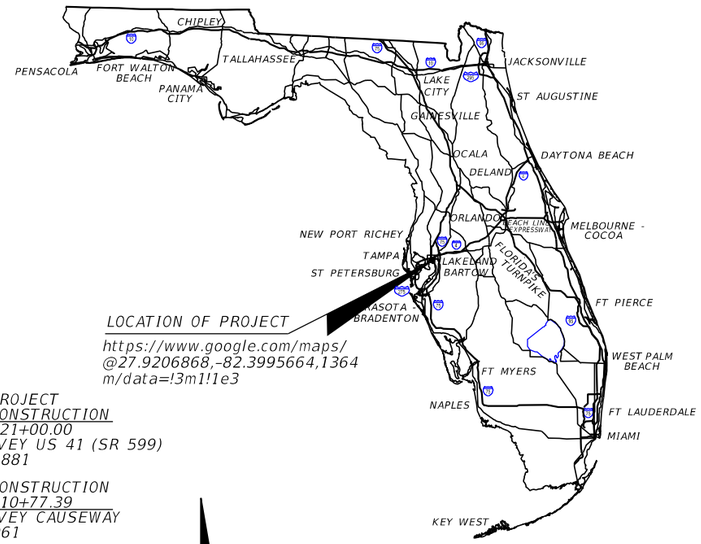
END CONSTRUCTION
STA. 257+60.63
℄ SURVEY CAUSEWAY
MP 3.994

US 41 (SR 45)
CSX CROSSING
STA. 85+46.00
MP 23.271

END PROJECT
END CONSTRUCTION
STA. 121+00.00
℄ SURVEY US 41 (SR 599)
MP 23.881

END CONSTRUCTION
STA. 310+77.39
℄ SURVEY CAUSEWAY
MP 2.961

BEGIN PROJECT
BEGIN CONSTRUCTION
STA. 58+31.17
℄ SURVEY US 41 (SR. 45)
MP 22.756



LOCATION OF PROJECT

https://www.google.com/maps/@27.9206868,-82.3995664,1364m/data=!3m1!1e3

N

0 ½ 1
Mile

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2021-22 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

APPLICABLE IRs: N/A

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

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

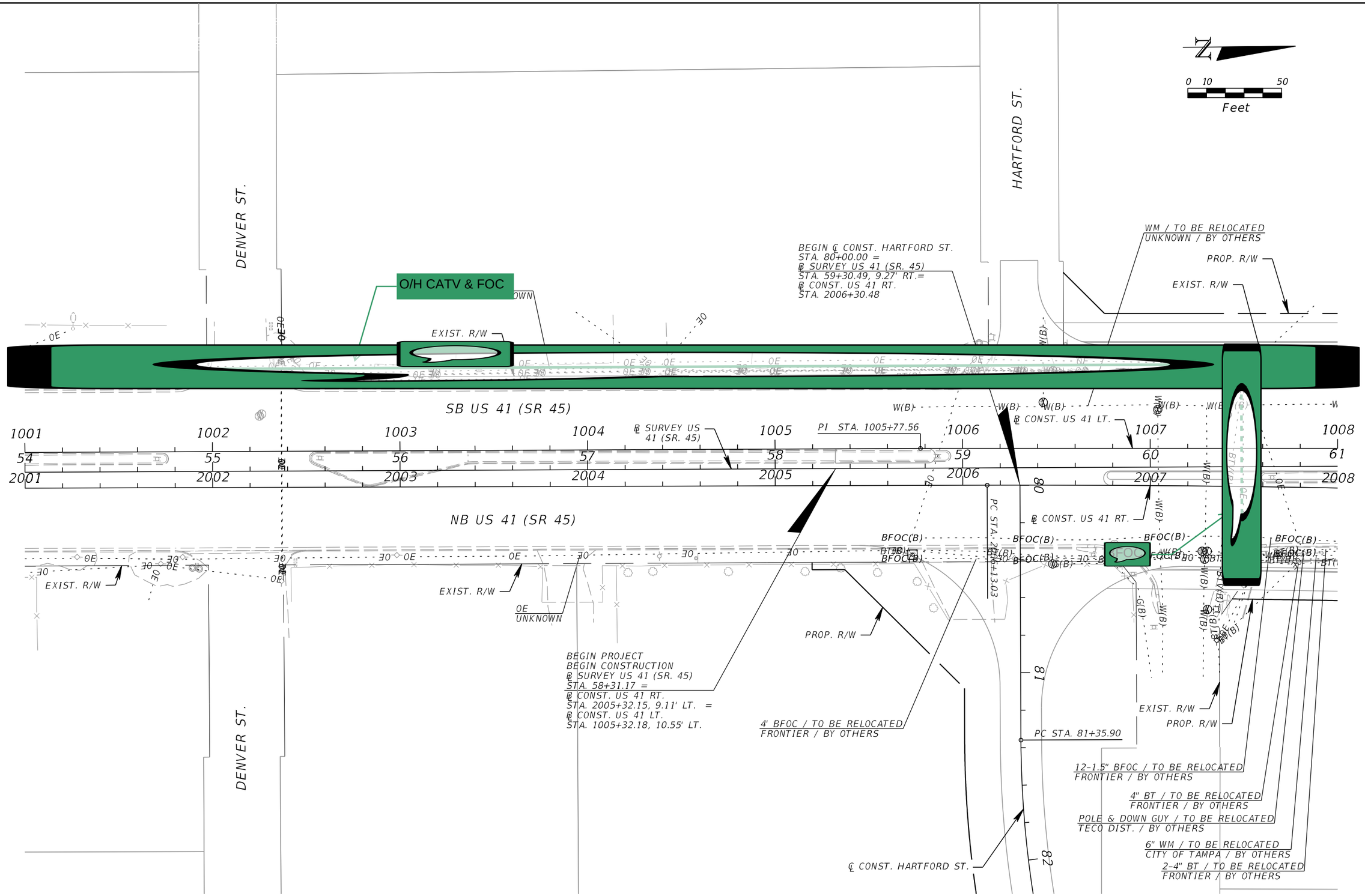
ROADWAY PLANS ENGINEER OF RECORD:

BRANAN R. ANDERSON, P.E. NO.: 78438
KISINGER CAMPO AND ASSOCIATES CORP.
CONSULTING ENGINEERS & PLANNERS
201 N. FRANKLIN STREET, SUITE 400
TAMPA, FLORIDA 33602
(813) 871-5331
VENDOR NUMBER.: F59-1677145

FDOT PROJECT MANAGER:

TIM O'BRIEN P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	21	1



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Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (1)

SHEET NO.

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N

0 10 50

Feet

TRENTON ST.

BEGIN ℄ CONST. RAMP A
PC STA. 200+00.00 =
℄ SURVEY US 41 (SR. 45).
STA. 65+27.85, 51.80' LT.
℄ CONST. US 41 LT.
STA. 2012+26.37, 48.00' LT.

℄ CONST. RAMP A

PROP. R/W

EXIST. R/W

WM / TO BE RELOCATED
UNKNOWN / BY OTHERS

OE
UNKNOWN

PROP. R/W

4" GAS / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

O/H CATV & FOC on
TECO

℄ CONST. US 41 LT.

PC STA. 1009+51.21

41 (SR. 45)

1008 1009 1010 1011 1012 1013 1014 1015

61 62 63 64 65 66

2008 2009 2010 2011 2012 2013 2014 2015

℄ CONST. US 41 RT.

NB US 41 (SR 45)

300 301

EXIST. R/W

PROP. R/W

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

WATER METER / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

6" WM / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

HANDHOLE / TO BE RELOCATED
FRONTIER / BY OTHERS

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

TRENTON ST.

WATER VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

OE
UNKNOWN

EXIST. R/W

BEGIN ℄ CONST. RAMP B
POT STA. 300+00.00 =
℄ SURVEY US 41 (SR. 45)
STA. 66+47.55, 78.74' RT. =
℄ CONST. US 41 RT.
STA. 2013+51.78, 36.00' RT.

PROP. R/W

℄ CONST. RAMP B

WATER METER / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

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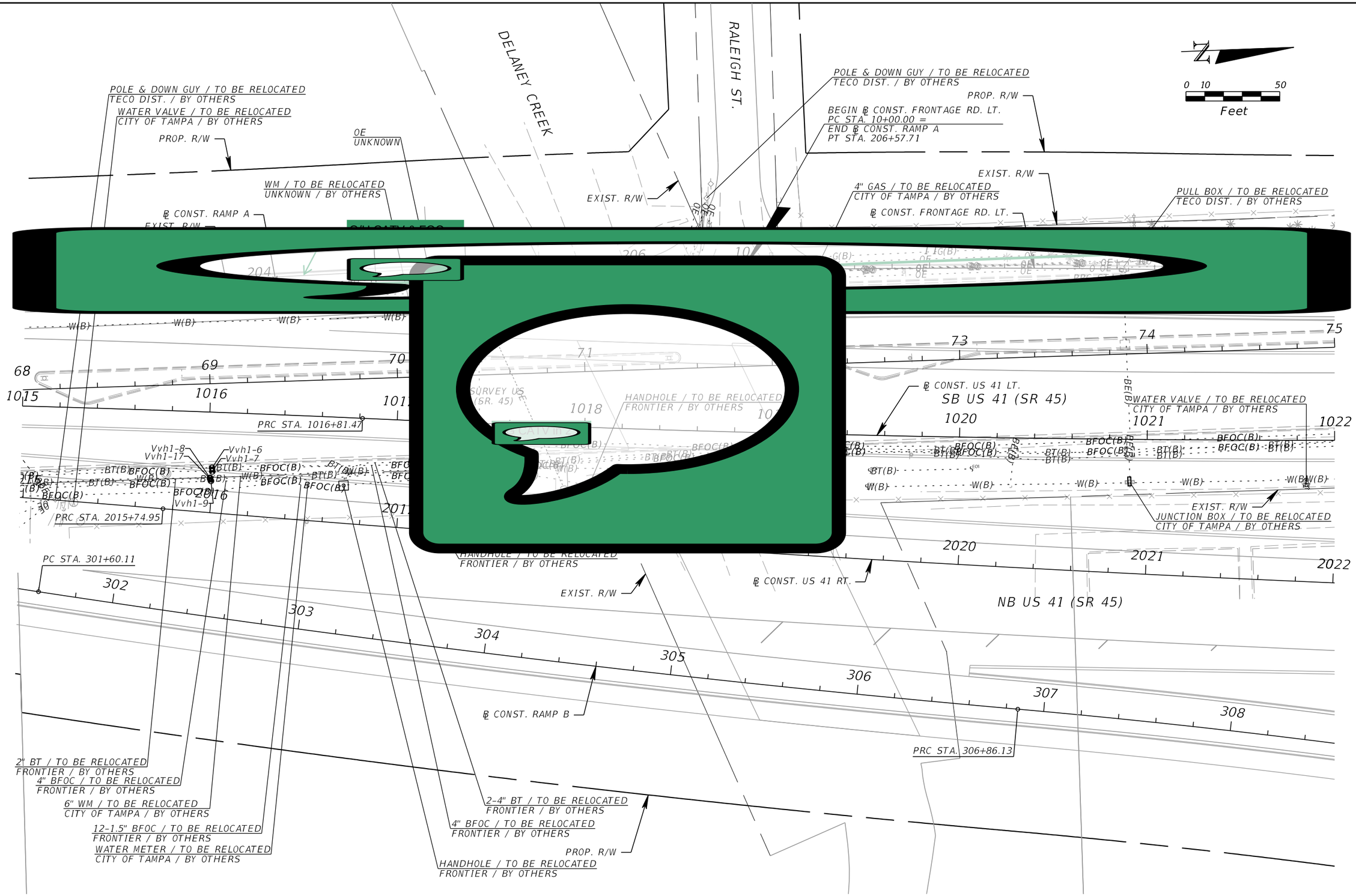
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (2)

SHEET NO.



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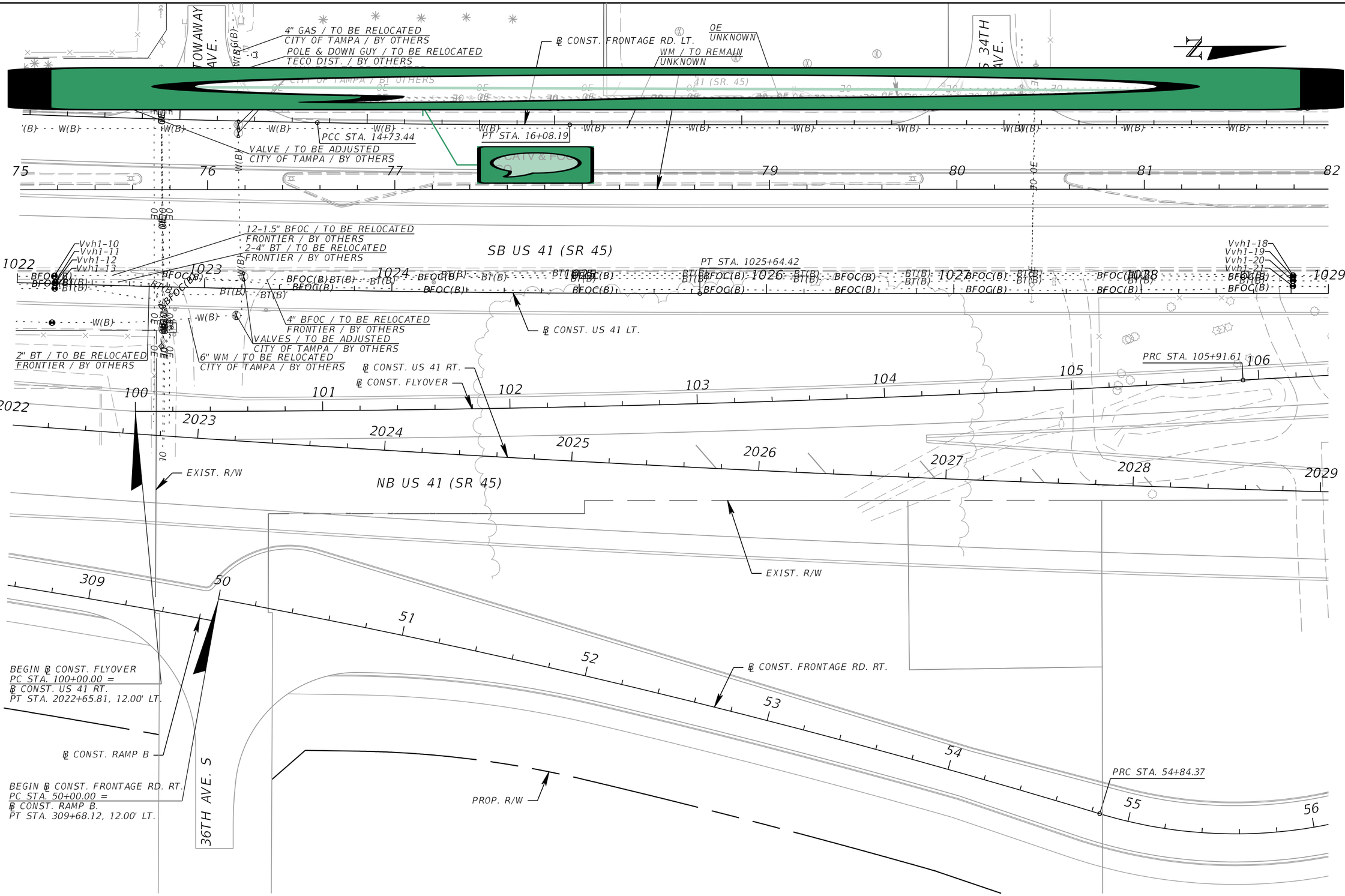
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (3)

SHEET NO.



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REVISIONS			
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Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (4)

SHEET NO.

END ℄ CONST. FRONTAGE RD. RT.
STA. 61+15.96
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED

WM / TO REMAIN
UNKNOWN
℄ CONST. FRONTAGE RD. LT.

BEGIN ℄ CONST. ST. PAUL ST.
STA. 70+00.00

OE
UNKNOWN

CATV on TECO

℄ SURVEY US
41 (SR. 45)

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

OE
UNKNOWN

MANHOLE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS

SB US 41 (SR 45)

PULL BOX / TO BE RELOCATED
FRONTIER / BY OTHERS

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
Vvh1-22
Vvh1-23

CATV

EXIST. R/W

℄ CONST. US 41 LT.

PT STA. 59+50.64

PT STA. 112+54.86

℄ CONST. FLYOVER

EXIST. R/W

℄ CONST. US 41 RT.

BEGIN ℄ CONST.RAMP D
POTSTA. 500+00.00 =
℄ CONST. ST. PAUL ST.
STA. 72+12.39

℄ CONST. RAMP D

PCC STA. 2035+28.48

NB US 41 (SR 45)

CSX CROSSING
NO. 624802A

PROP. R/W

℄ CONST. FRONTAGE RD. RT.

PROP. R/W

BEGIN ℄ CONST. RAMP C
POT STA. 400+00.00 =
℄ CONST. ST. PAUL ST.
STA. 73+42.31

PI STA. 73+87.06

ST. PAUL ST.

℄ CONST. ST. PAUL ST.

PROP. R/W
℄ CONST. RAMP C

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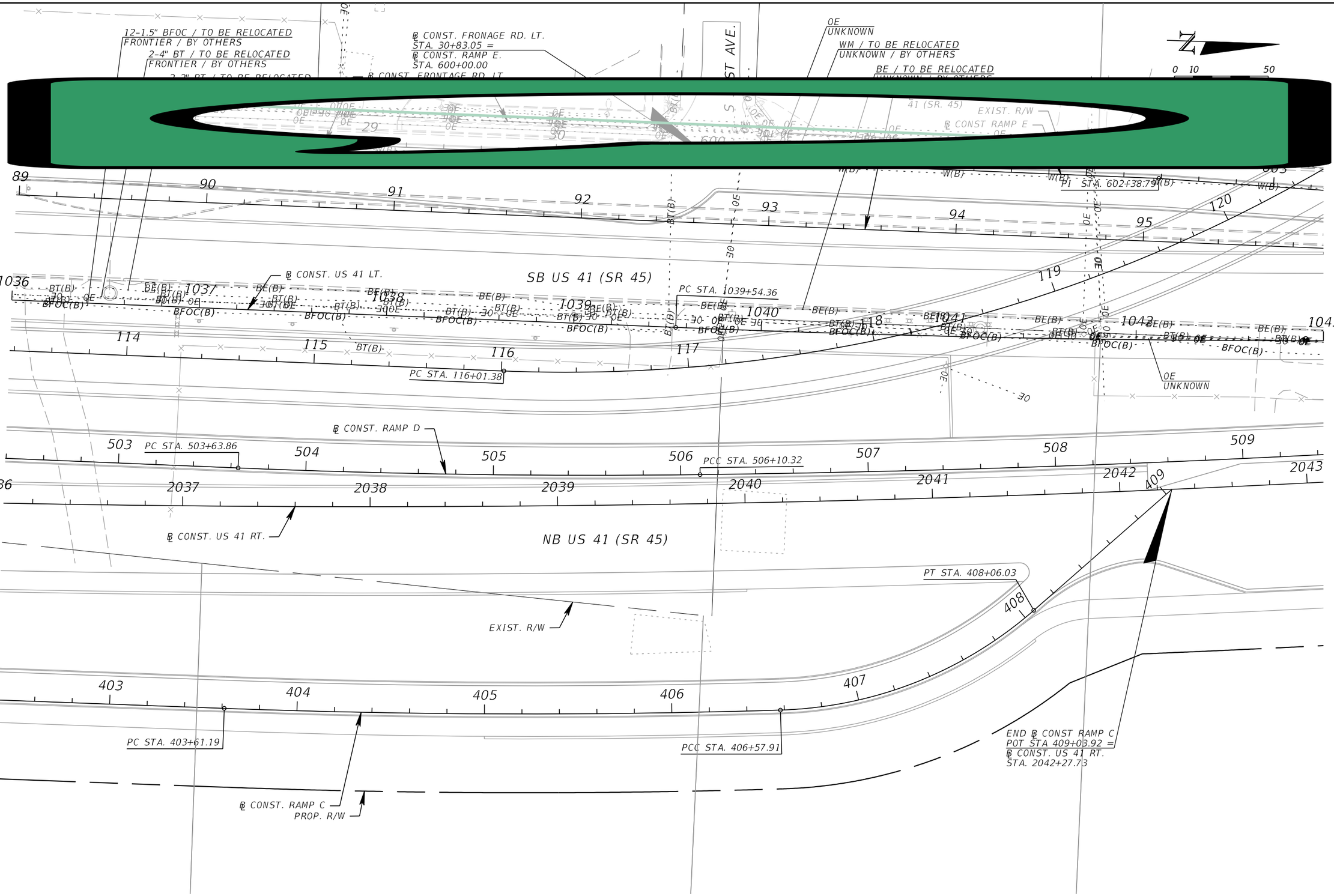
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (5)

SHEET NO.



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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (6)

SHEET NO.

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EXIST. R/W
30TH AVE. S
MATCHLINE STA. 122+25.00
℄ CONST. FLYOVER
PROP. R/W
VALVE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
WM / TO BE RELOCATED
UNKNOWN / BY OTHERS
POLE / TO BE RELOCATED
TECO DIST. / BY OTHERS
℄ CONST. RAMP E
STA. 607+06.20 =
℄ SURVEY CAUSEWAY
STA. 299+71.72
℄ SURVEY US 41 (SR. 45)
MATCHLINE STA. 4046+25.00
BFOC / FRONTIER
UNKNOWN
SS
UNKNOWN
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
℄ SURVEY US 41 (SR. 599)
STA. 101+36.88 =
℄ CONST. CAUSEWAY LT.
STA. 3047+02.40
0 10 50
Feet
EXIST. R/W
PULL BOX / TO BE RELOCATED
BE / TO BE RELOCATED
UNKNOWN / BY OTHERS
SB US 41 (SR 45)
℄ SURVEY US 41 (SR. 45)
PI STA. 300+00.14
PRC STA. 1048+34.99
℄ SURVEY US 41 (SR. 599)
℄ CONST. US 41 LT.
℄ CONST. RAMP D
PT STA. 512+60.55
PULL BOX / TO BE RELOCATED
FRONTIER / BY OTHERS
℄ CONST. US 41 RT.
NB US 41 (SR 45)
FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
MANHOLE / TO BE RELOCATED
UNKNOWN / BY OTHERS
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
O/H CATV on TECO
PROP. R/W
OE
UNKNOWN
℄ SURVEY CAUSEWAY
STA. 300+23.34 =
℄ CONST. US 41 LT.
STA. 1047+02.68
℄ SURVEY CAUSEWAY
STA. 300+79.91 =
℄ CONST. US 41 RT.
STA. 2047+10.05
EXIST. R/W
PROP. R/W
12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
BT / TO BE RELOCATED
UNKNOWN / BY OTHERS
END ℄ CONST. RAMP D
POT STA. 513+22.79 =
℄ CONST. US 41 RT.
STA. 2046+89.83, 16.38' LT.
VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
MATCHLINE STA. 4050+50.00

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P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (7)

SHEET NO.

EL CAMINO BLANCO BLVD.

N

0 10 50
Feet

O/H CATV on TECO

BFOC

OE
UNKNOWN

EXIST. R/W

PROP. R/W

℄ SURVEY US 41 (SR. 599)

℄ CONST. US 41 RT.

PI STA. 110+39.87

NB US 41 (SR 599)

VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS

S 27TH AVE.

1050 1051 1052 1053 1054 1055 1056 1057
104 105 106 107 108 109 110
2051 2052 2053 2054 2055 2056

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (8)

SHEET NO.

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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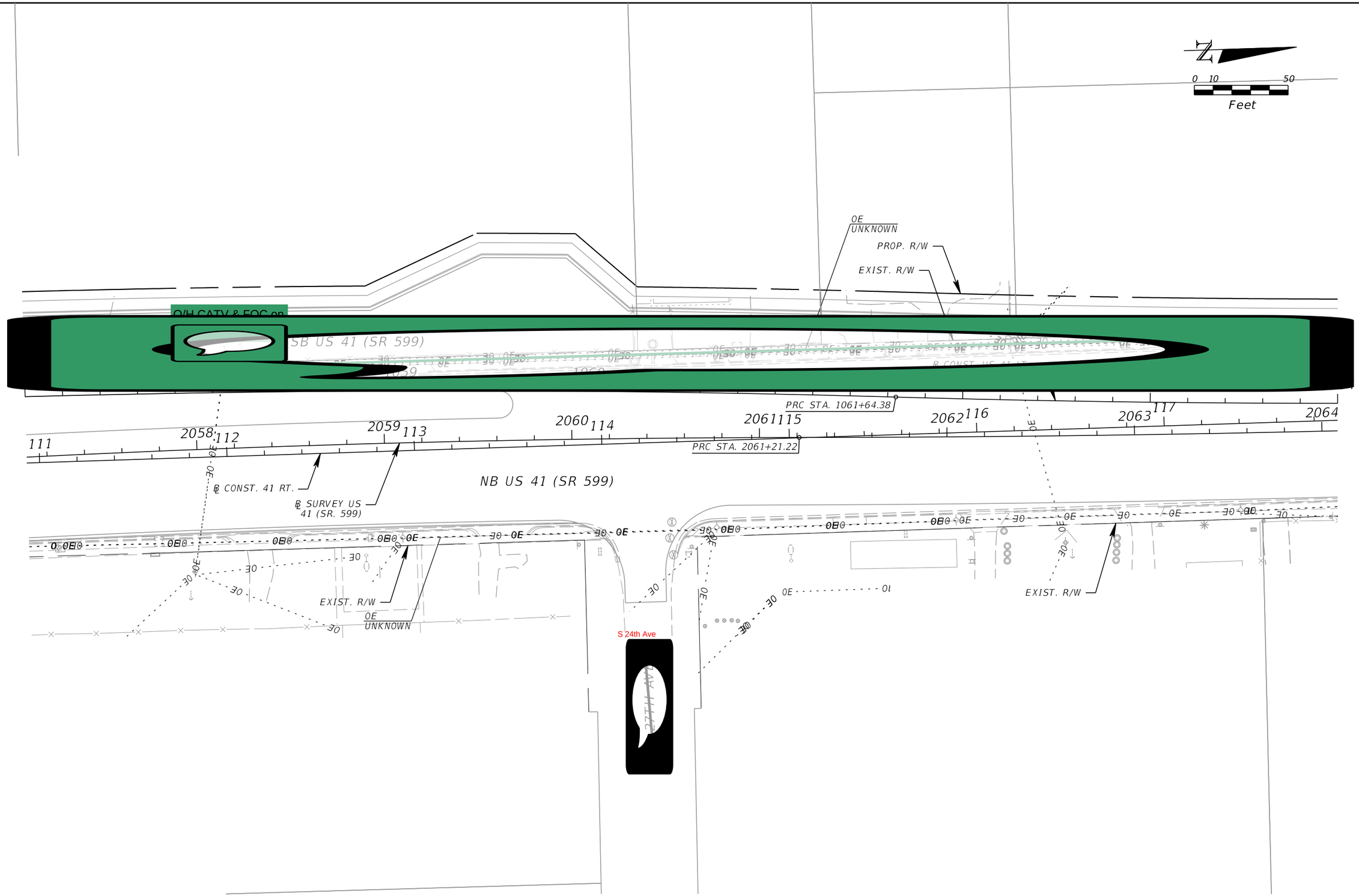

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (9)

SHEET NO.

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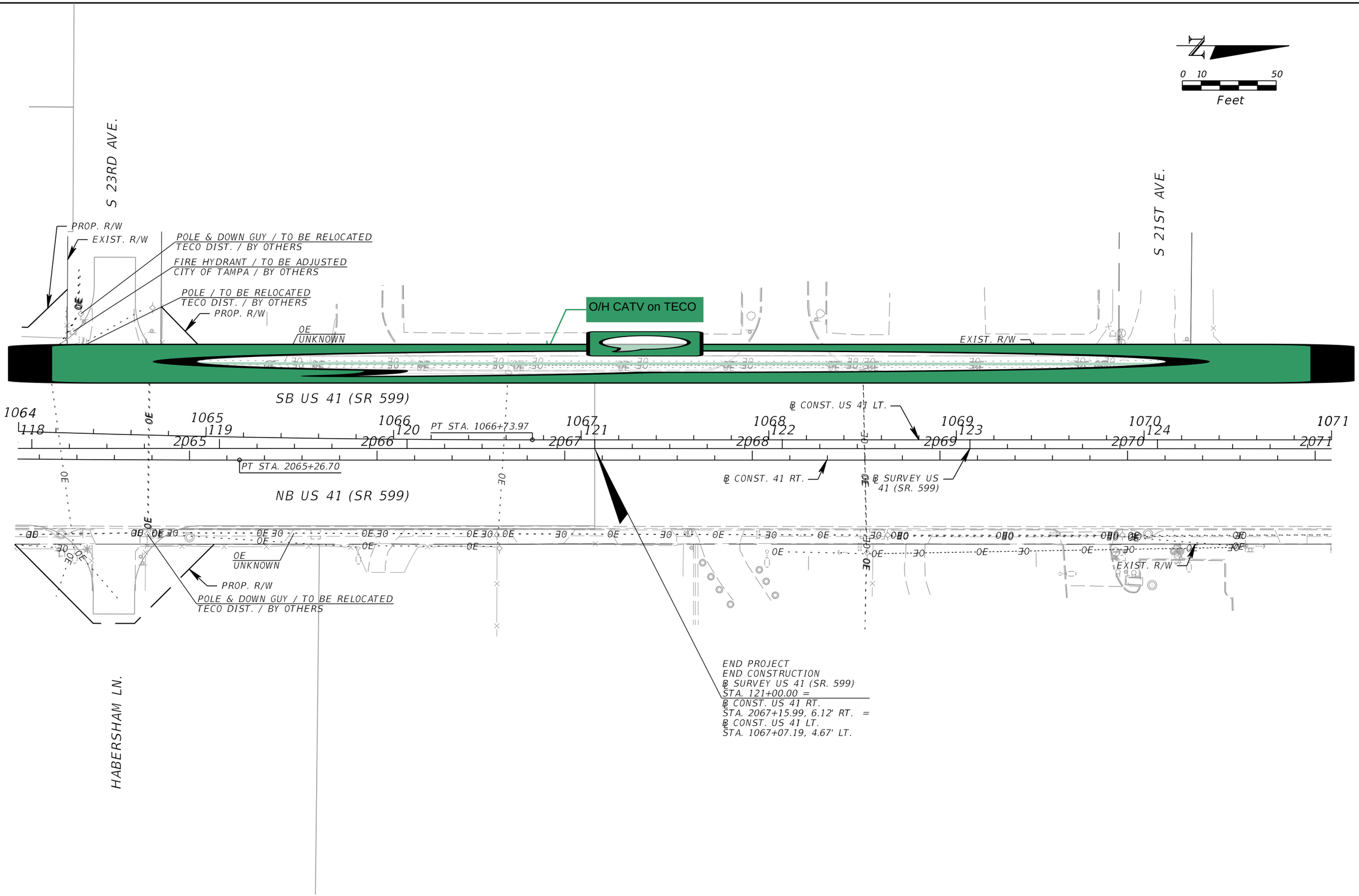

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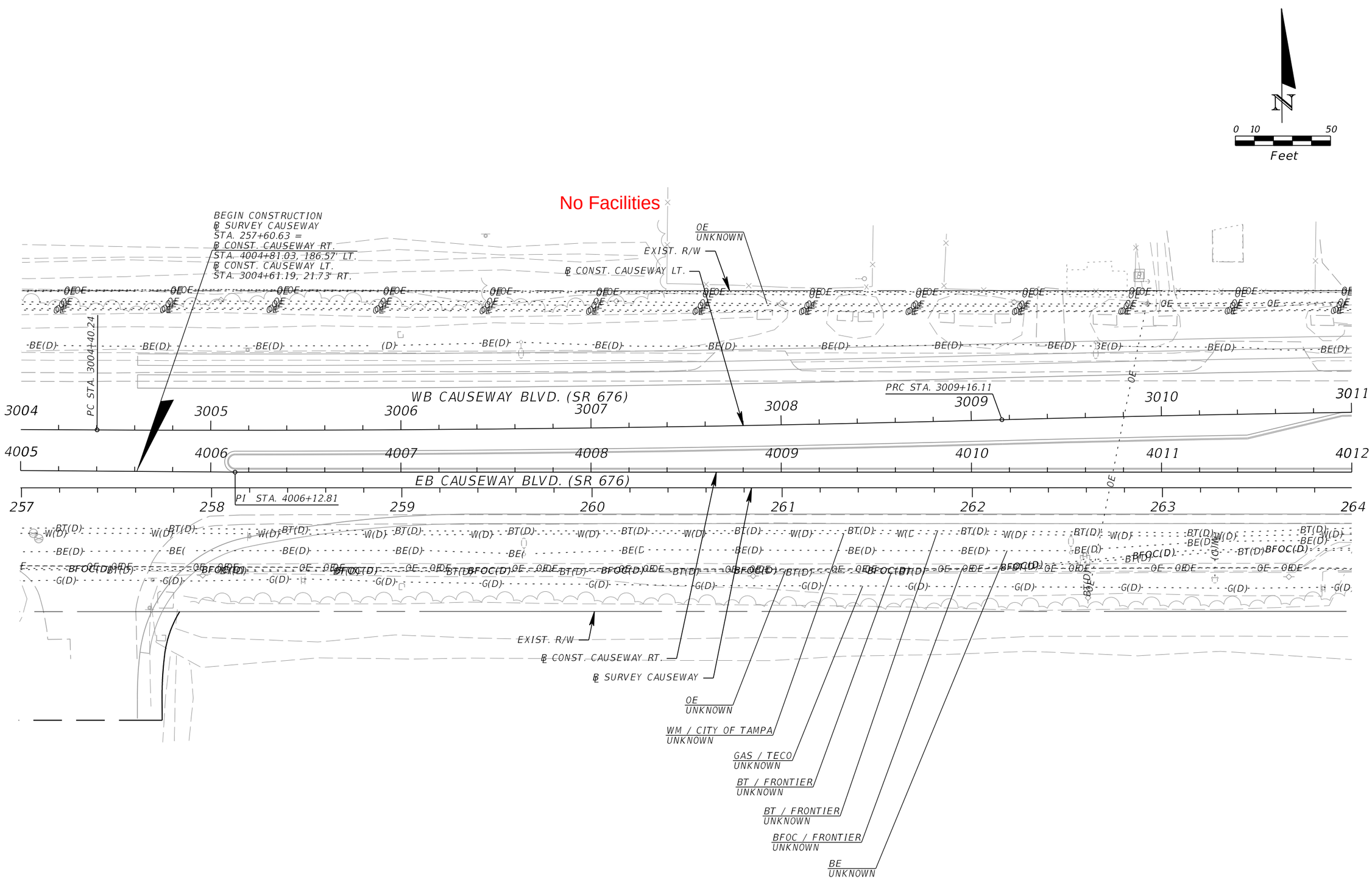
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (10)

SHEET NO.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (11)

SHEET NO.

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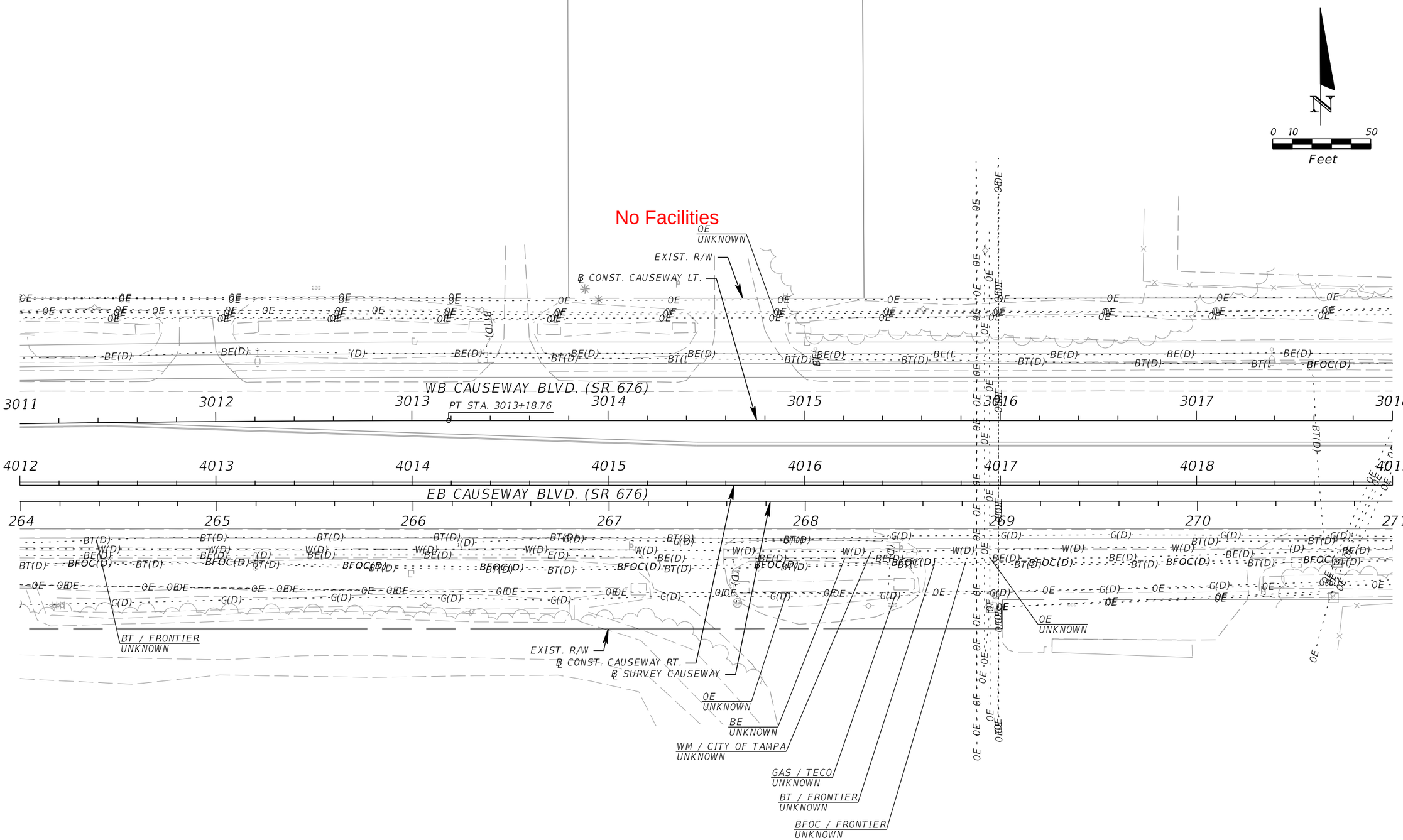

REVISIONS			
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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (12)

SHEET NO.

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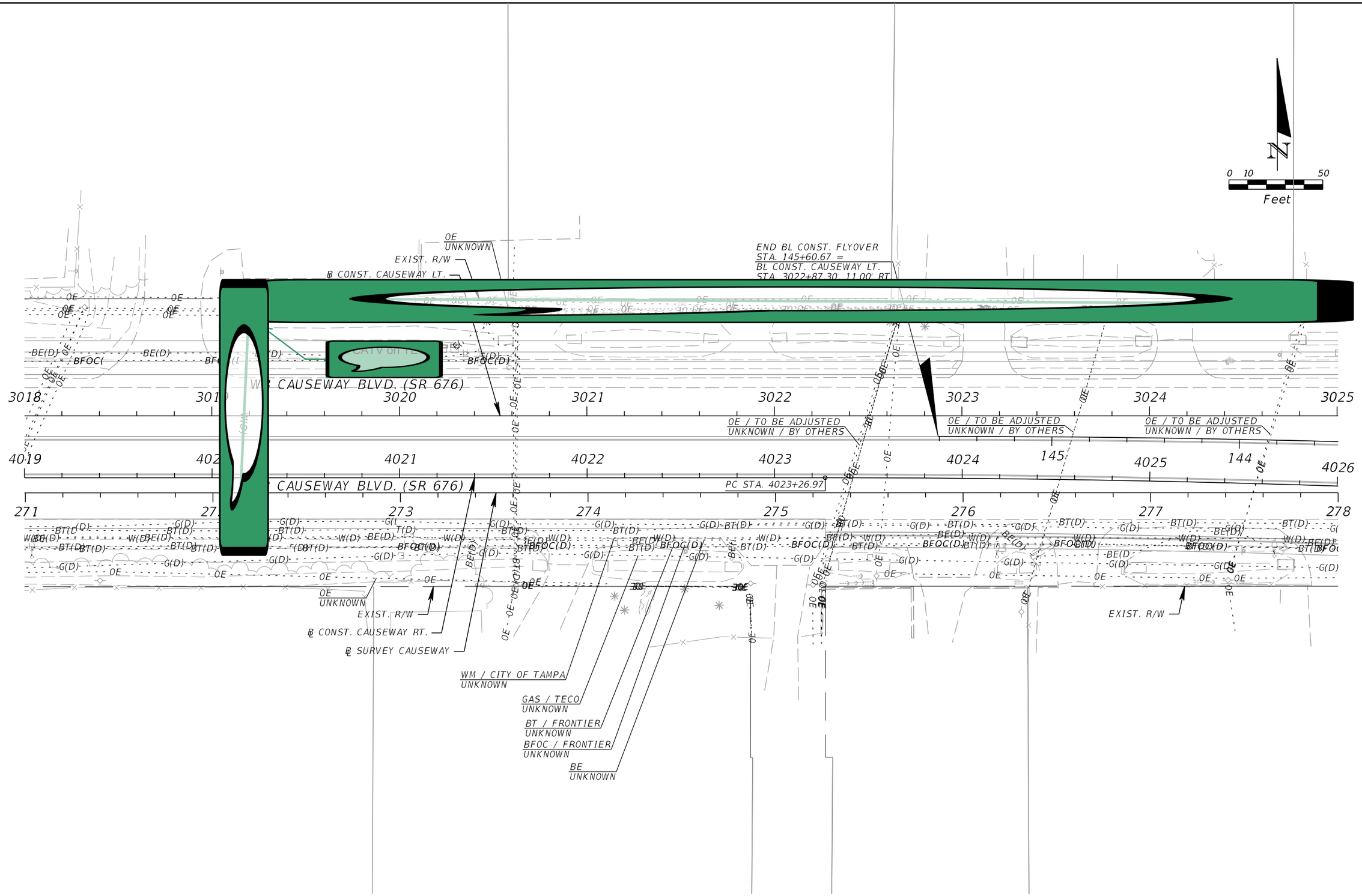

REVISIONS			
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Tampa, Florida 33602
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (13)

SHEET NO.

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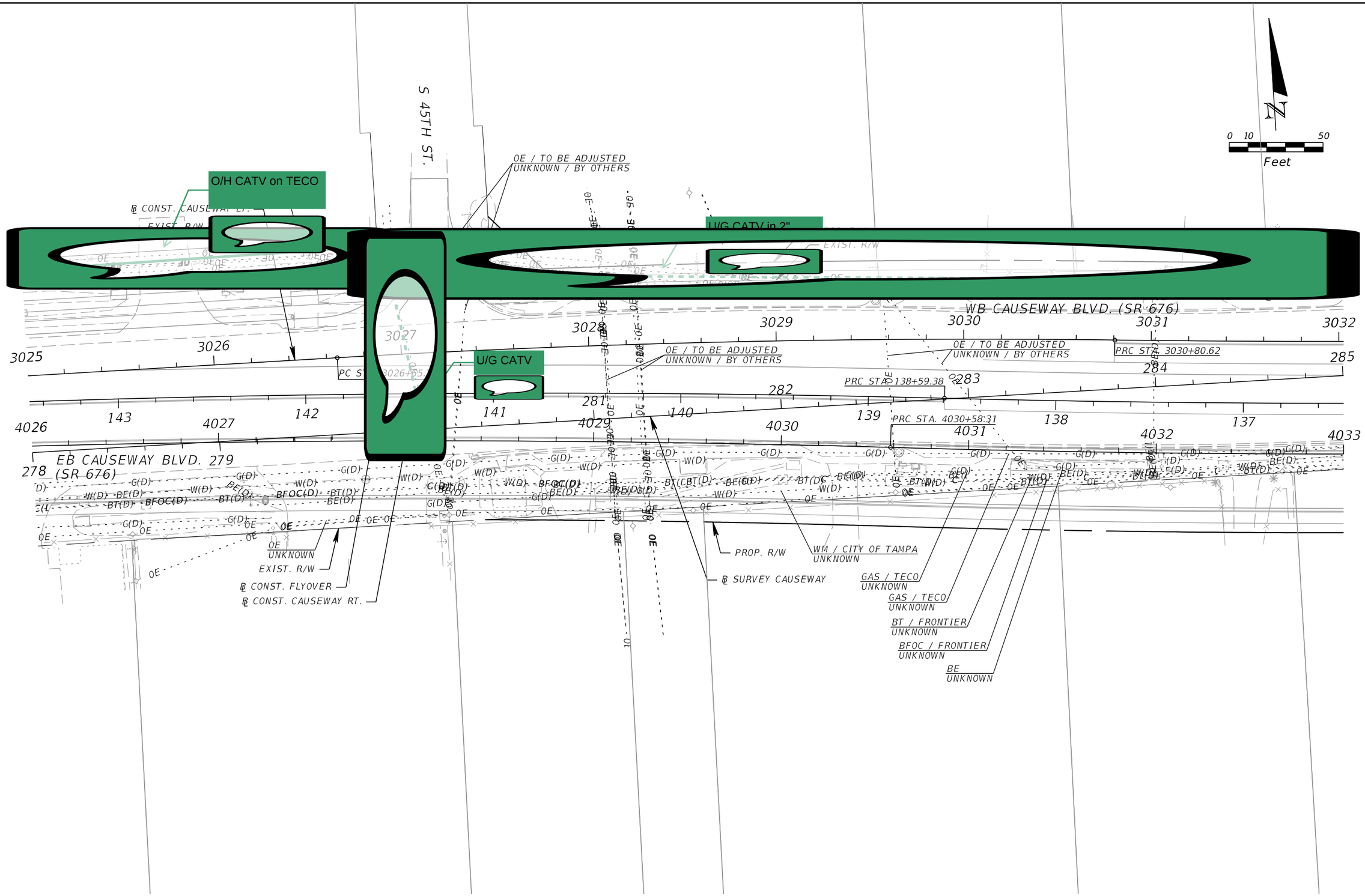

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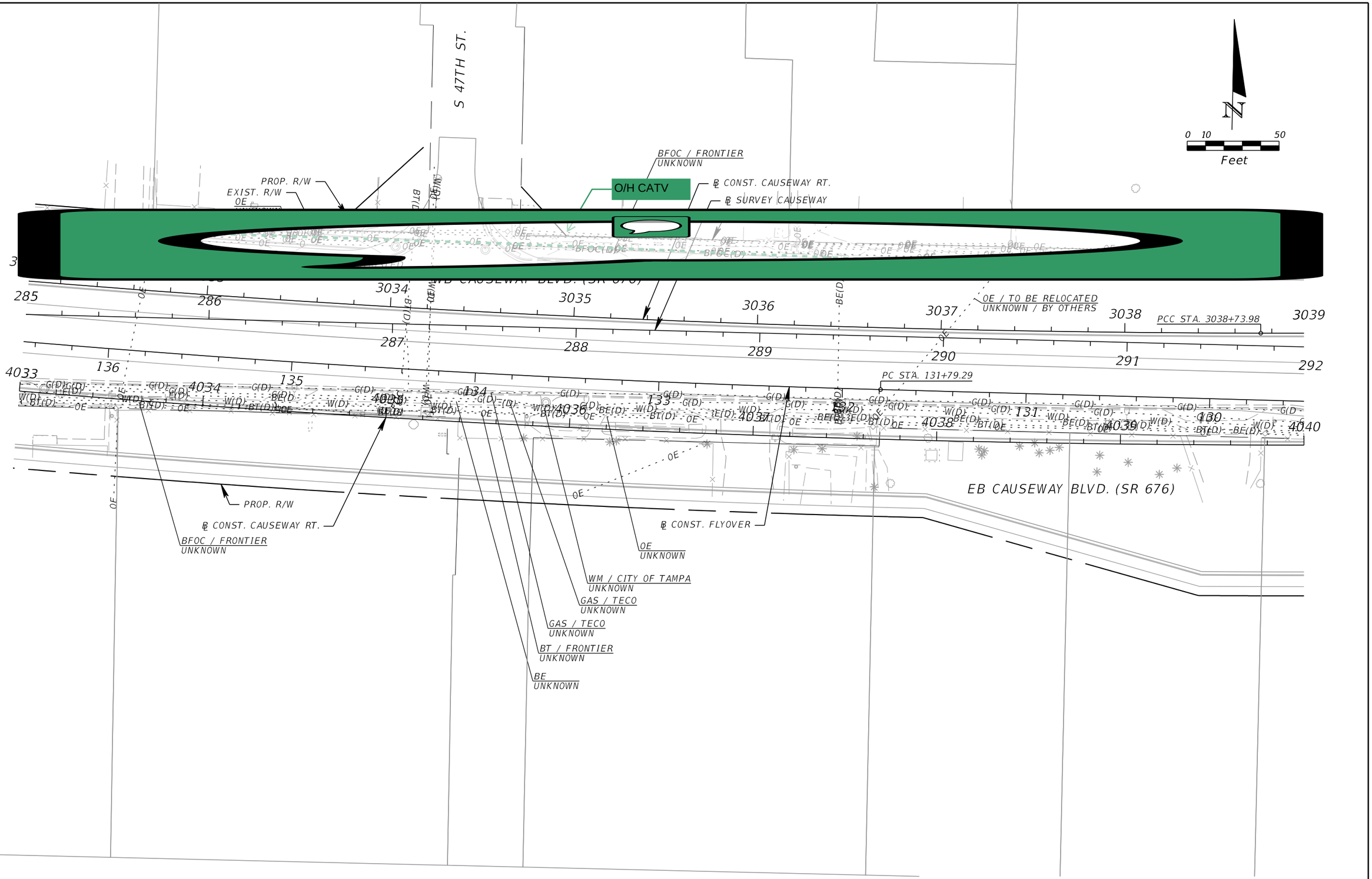
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (14)

SHEET NO.



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REVISIONS			
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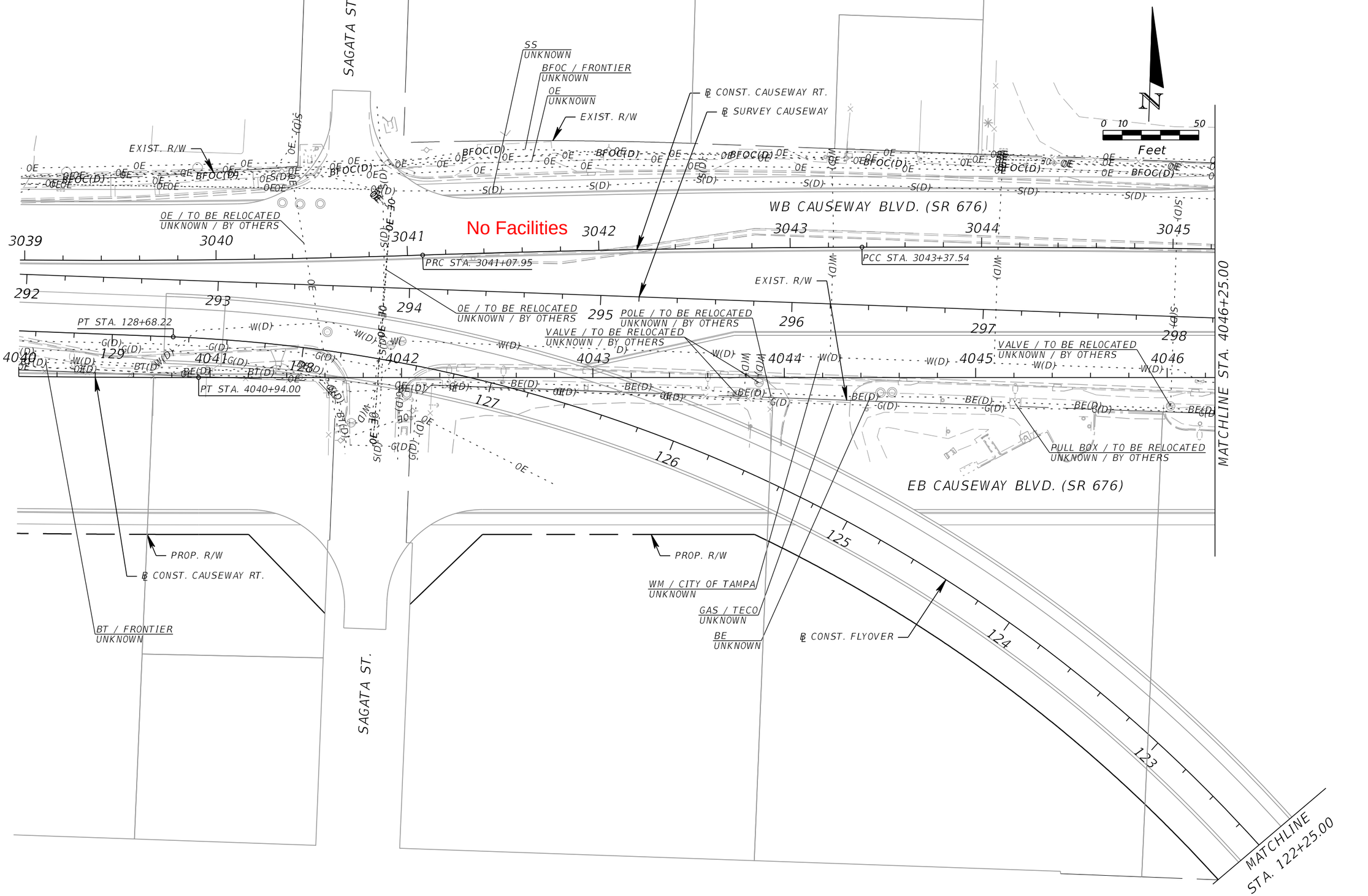
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (15)

SHEET NO.



REVISIONS			
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201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (16)

SHEET NO.

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No Facilities

0 10 50
Feet

℄ CONST. CAUSEWAY LT.
OE
UNKNOWN
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
EXIST. R/W
PROP. R/W
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
WB CAUSEWAY BLVD. (SR 676)
3050
3051
3052
3053
3054
3055
3056
PT STA. 3051+50.72
303
304
305
4053
4054
4055
4056
4057
4051
4052
PC STA. 4052+59.99
306
307
308
EB CAUSEWAY BLVD. (SR 676)
MATCHLINE STA. 4050+50.00
PROP. R/W
OE
UNKNOWN
FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
EXIST. R/W
℄ CONST. CAUSEWAY RT.
℄ SURVEY CAUSEWAY
MANHOLE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

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REVISIONS			
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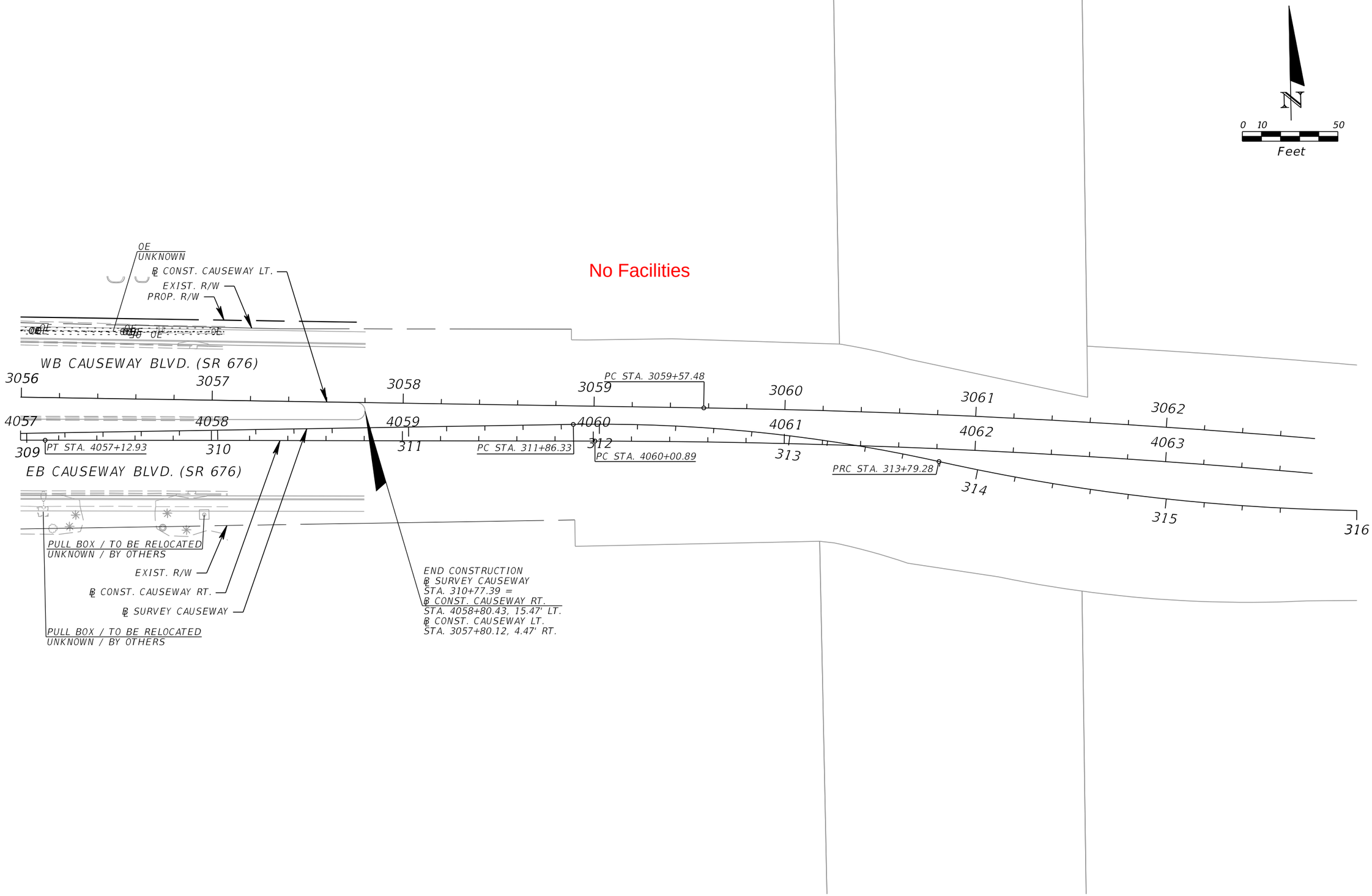
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (17)

SHEET NO.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (18)

SHEET NO.

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

Date:	12/04/2018	Test Hole Data Report	Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	General Location:	US 41
Truck No.:	D-3/T-2	ECHO UTILITY ENGINEERING & SURVEY	Coordinate Unit of Measure:	US Survey Feet

ECHO UES, Inc.
www.echoues.com
888.778.ECHO
- GROW, INSPIRE, MAKE A DIFFERENCE-

Utility Type			Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Horizontal: NAD83/11 Vertical: NAVD88 — Northing	Easting	Ground Elevation	Utility Elevation
1-1	BT	PVC	2 - 4"	3.26'			IRC	NG	N/A	FRONTIER	1301204.90'	526413.67'	7.51'	4.25'
1-2	WM	CI	6"	3.30'			IRC	NG	N/A	COT	1301205.19'	526416.74'	7.48'	4.18'
1-3	FOC/BT	PVC	4"	2.47'			IRC	NG	N/A	FRONTIER	1301204.95'	526415.25'	7.48'	5.01'
1-4	FOC	PE	12 - 1.5"	8.80'			IRC	NG	N/A	FRONTIER	1301205.12'	526418.96'	7.36'	-1.44'
1-5	CATV	PVC	2 - 2"	5.54'			IRC	NG	N/A	SPECTRUM	1301181.11'	526321.06'	6.85'	1.31'
1-6	BT	PVC	2 - 4"	3.44'			IRC	NG	N/A	FRONTIER	1301811.38'	526417.02'	6.84'	3.40'
1-7	FOC/BT	PVC	4"	2.42'			IRC	NG	N/A	FRONTIER	1301811.47'	526418.97'	6.84'	4.42'
1-8	WM	UNK	UNK	10.06'			IRC	NG	N/A	COT	1301810.12'	526422.34'	6.83'	-3.23'
1-9	FOC/BT	PVC	4"	3.34'			IRC	NG	N/A	FRONTIER	1301810.56'	526424.00'	6.49'	3.15'

Notes: 1-8 - Unable to visually verify size and matterial due to depth and groundwater. Possible 6" cast iron.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (19)

SHEET NO.

Date:	12/05/2018	Test Hole Data Report	Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	General Location:	US 41
Truck No.:	D-3/T-2	ECHO UTILITY ENGINEERING & SURVEY	Coordinate Unit of Measure:	US Survey Feet

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Utility Type			Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Northing	Datums: Easting (Horizontal: NAD83/11, Vertical: NAVD88)	Ground Elevation	Utility Elevation
1-10	FOC	PE	12 - 1.5"	3.96'			IRC	NG	N/A	FRONTIER	1302430.03'	526421.52'	6.62'	2.66'
1-11	BT	PVC	2 - 4"	2.50'			IRC	NG	N/A	FRONTIER	1302430.50'	526424.77'	6.68'	4.18'
1-12	FOC/BT	PVC	4"	1.90'			IRC	NG	N/A	FRONTIER	1302430.47'	526425.15'	6.69'	4.79'
1-13	BT	DBC	2"	1.56'			IRC	NG	N/A	FRONTIER	1302430.15'	526428.11'	6.81'	5.25'
1-14	WM	DIP	6"	3.40'			IRC	NG	N/A	COT	1302428.62'	526446.38'	8.20'	4.80'
1-15	GM	STL	4"	3.00'			IRC	NG	N/A	COT	1302488.18'	526318.06'	6.08'	3.08'
1-16	BT	PVC	4"	3.50'			IRC	NG	N/A	FRONTIER	1301205.22'	526417.96'	7.50'	4.00'
1-17	BT	DBC	2"	3.00'			IRC	NG	N/A	FRONTIER	1301810.09'	526422.72'	6.80'	3.80'

Notes:

Prepared by: EE *Date: 02/12/2019*

Checked by: AB *Date: 02/12/2019*

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (20)

SHEET NO.

Date:	12/06/2018	**Test Hole Data Report**	**Crew Members:**	DW, TG, MAJ
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618 1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708 ECHO UTILITY ENGINEERING & SURVEY ECHO UES, Inc. www.echoues.com 888.778.ECHO - GROW, INSPIRE, MAKE A DIFFERENCE -	**City, State:**	Tampa, Florida
Financial Project #:	N/A		**General Location:**	US 41
Truck No.:	D-3/T-2		**Coordinate Unit of Measure:**	US Survey Feet

Utility Type		Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water	AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light	CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal	CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line	DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
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SAN = Sanitary Sewer	WS = Water Service	CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility	CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct	DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct	DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Datums: Horizontal: NAD83/11; Vertical: NAVD88

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Northing	Easting	Ground Elevation	Utility Elevation
1-18	BT	PVC	2 - 4"	3.82'			IRC	NG	N/A	FRONTIER	1303091.15'	526425.13'	7.04'	3.22'
1-19	FOC/BT	PVC	4"	2.54'			IRC	NG	N/A	FRONTIER	1303091.17'	526425.73'	6.99'	4.45'
1-20	BT	LEAD	2 - 2"	3.00'			IRC	NG	N/A	FRONTIER	1303091.09'	526427.92'	6.86'	3.86'
1-21	FOC	UNK	12 - 1.5"	9.22'			IRC	NG	N/A	FRONTIER	1303091.01'	526430.76'	6.58'	-2.64'
1-22	BT	LEAD	2 - 2"	2.00'			IRC	NG	N/A	FRONTIER	1303695.15'	526432.46'	6.77'	4.77'
1-23	BT	PVC	2 - 4"	2.76'			IRC	NG	N/A	FRONTIER	1303695.20'	526433.46'	6.70'	3.94'
1-24	BT	LEAD	2 - 2"	2.74'			IRC	NG	N/A	FRONTIER	1304500.45'	526435.53'	7.28'	4.54'

Notes: 1-21 - Unable to visually verify size and material due to depth and groundwater. Possibly 12 - 1.5" polyethylene pipes.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

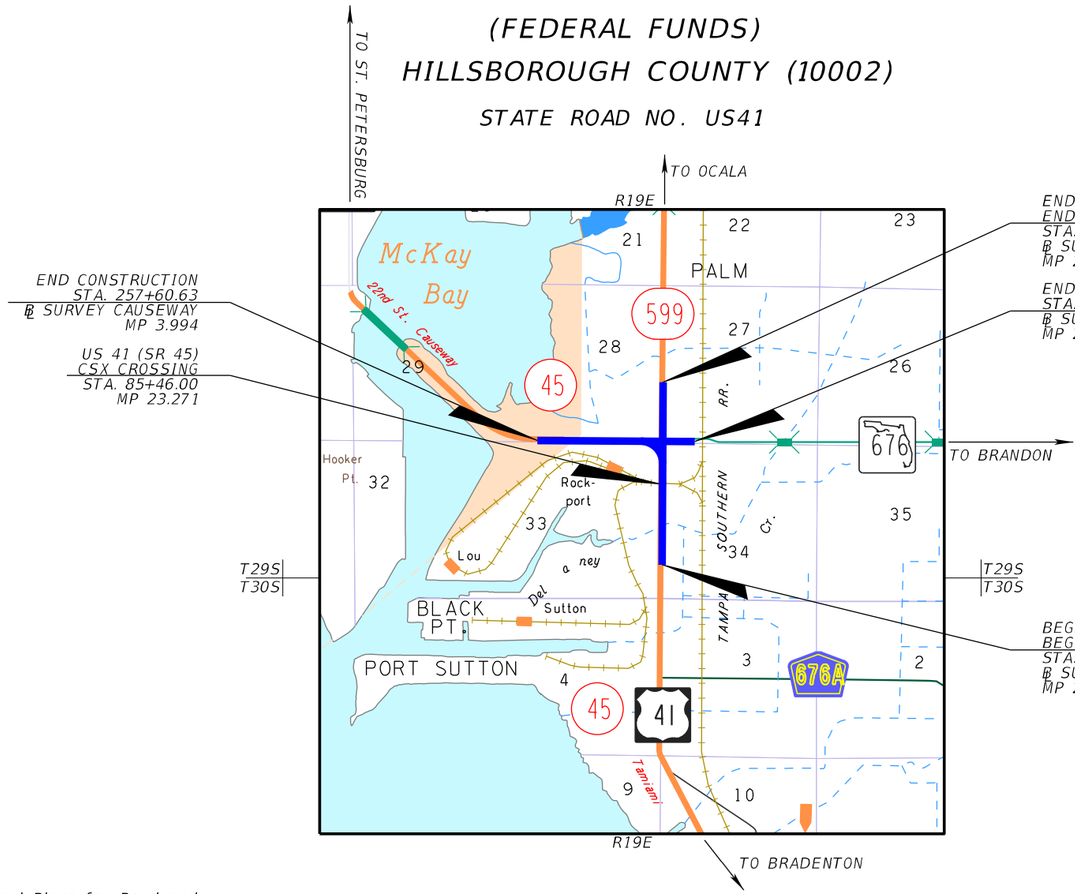
CONTRACT PLANS

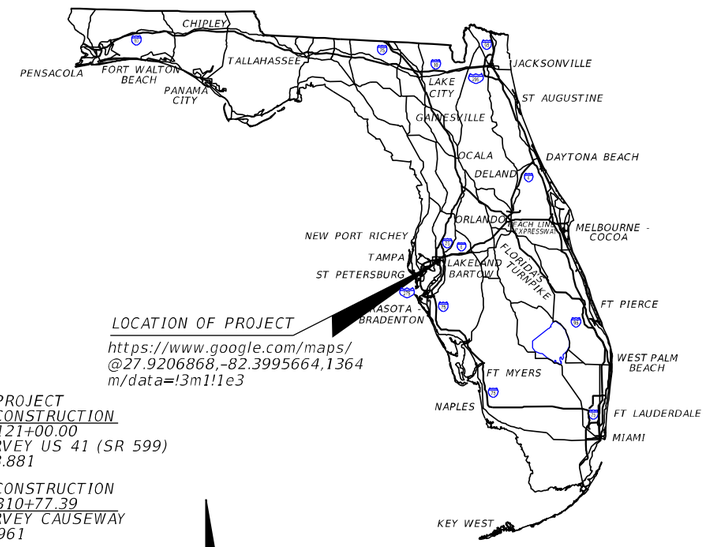
FINANCIAL PROJECT ID 440749-1-52-01

(FEDERAL FUNDS)

HILLSBOROUGH COUNTY (10002)

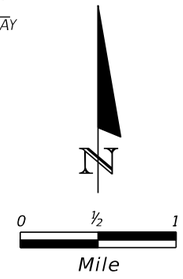
STATE ROAD NO. US41





LOCATION OF PROJECT

https://www.google.com/maps/@27.9206868,-82.3995664,1364m/data=!3m1!1e3



GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2021-22 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

APPLICABLE IRs: N/A

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

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

Frontier COMMUNICATIONS

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

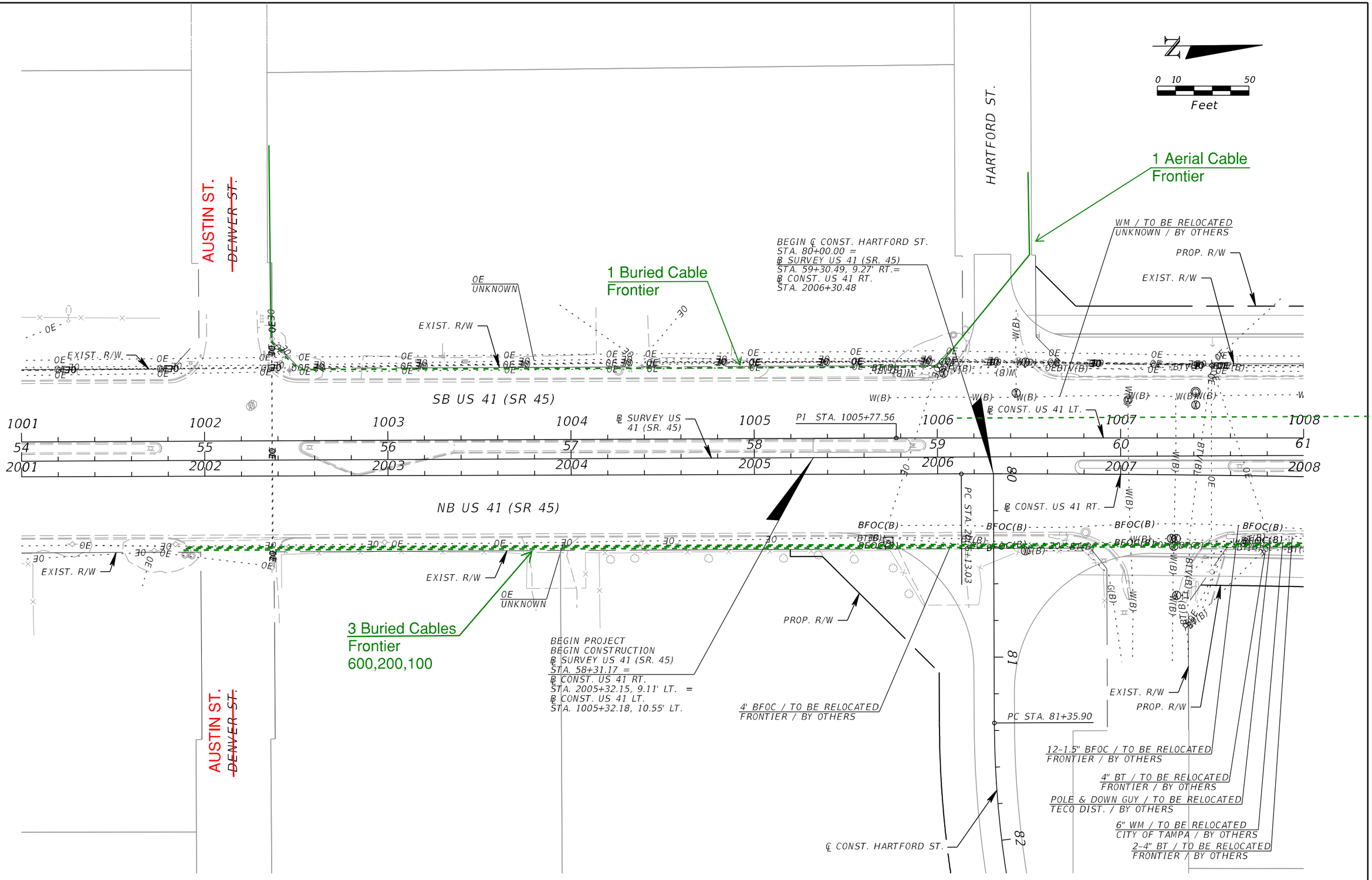
ROADWAY PLANS ENGINEER OF RECORD:

BRANAN R. ANDERSON, P.E. NO.: 78438
KISINGER CAMPO AND ASSOCIATES CORP.
CONSULTING ENGINEERS & PLANNERS
201 N. FRANKLIN STREET, SUITE 400
TAMPA, FLORIDA 33602
(813) 871-5331
VENDOR NUMBER.: F59-1677145

FDOT PROJECT MANAGER:

TIM O'BRIEN P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	21	1



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (1)

SHEET NO.

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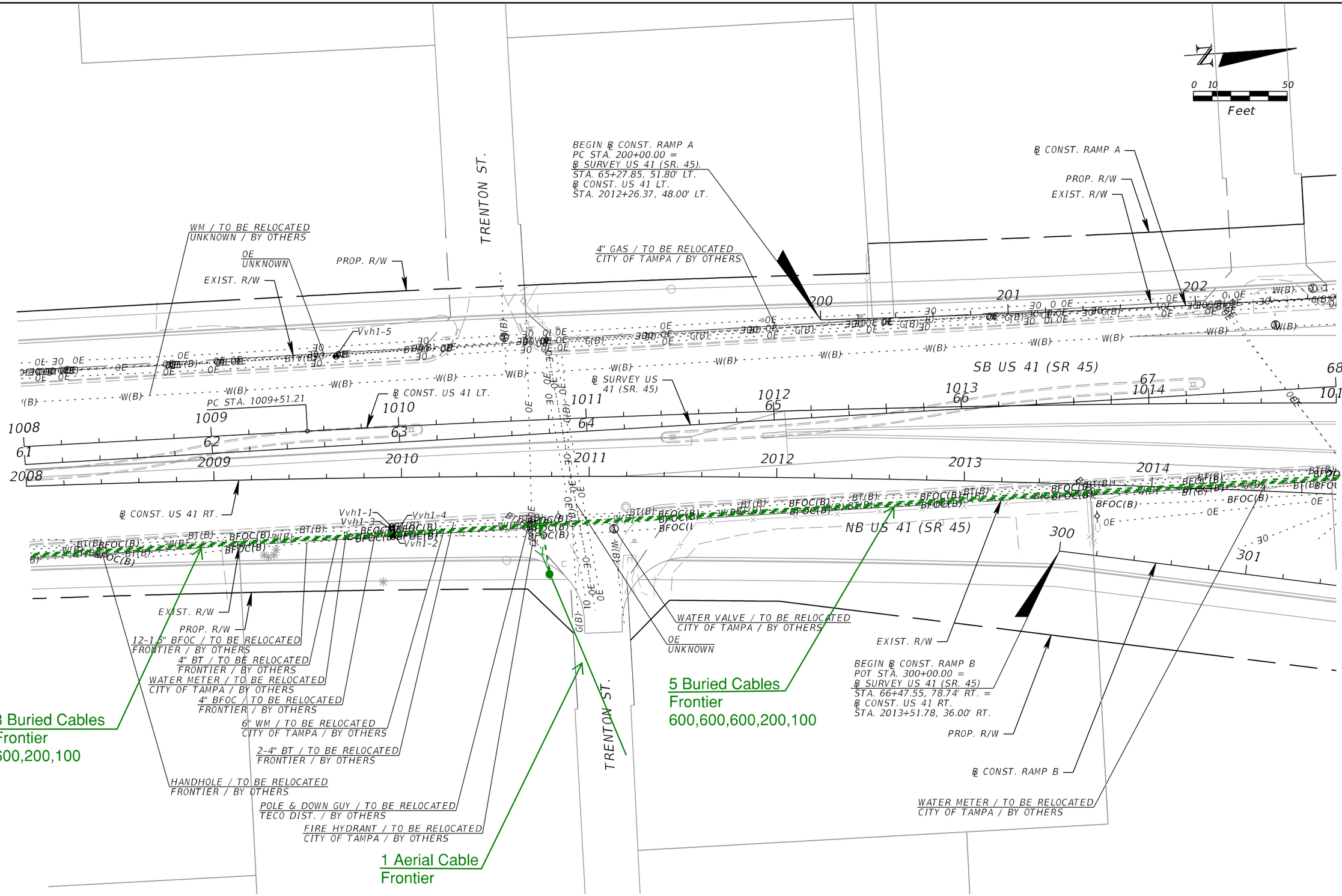

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (2)

SHEET NO.

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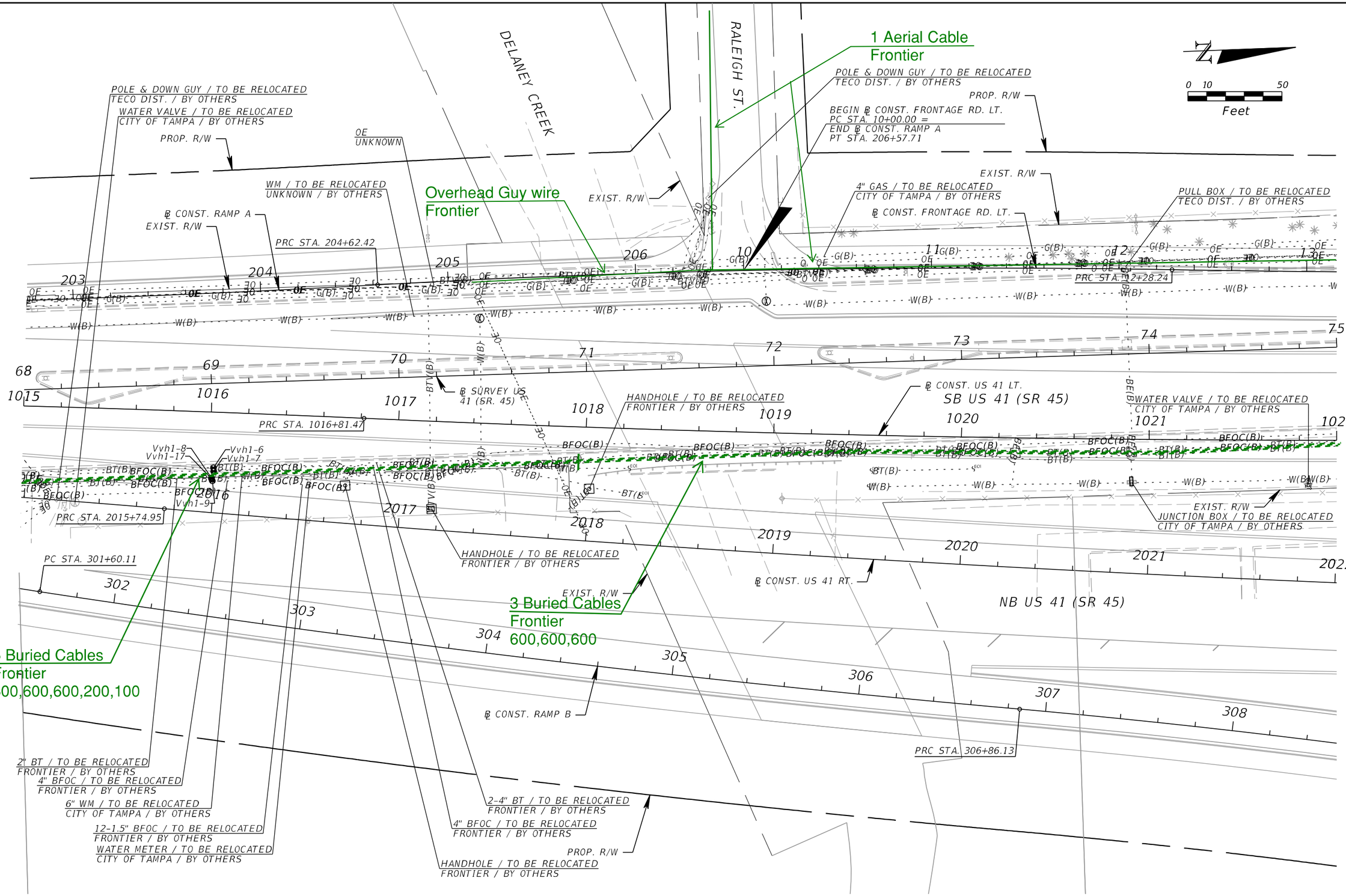

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (3)

SHEET NO.

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4" GAS / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS
POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS
VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS

TOWAWAY AVE.

℄ CONST. FRONTAGE RD. LT.

OE
UNKNOWN

WM / TO REMAIN
UNKNOWN

℄ SURVEY US 41 (SR. 45)

EXIST. R/W

S 34TH AVE.

N

0 10 50
Feet

PCC STA. 14+73.44

PT STA. 16+08.19

VALVE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS

1 Aerial Cable
Frontier

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

SB US 41 (SR 45)

PT STA. 1025+64.42

4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS

2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

6" WM / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

℄ CONST. US 41 LT.

5 Buried Cables
Frontier
100,200,600,600,FOC

℄ CONST. US 41 RT.

℄ CONST. FLYOVER

PRC STA. 105+91.61

4 Buried Cables
Frontier
600,600,600,FOC

EXIST. R/W

NB US 41 (SR 45)

EXIST. R/W

BEGIN ℄ CONST. FLYOVER
PC STA. 100+00.00 =
℄ CONST. US 41 RT.
PT STA. 2022+65.81, 12.00' LT.

℄ CONST. RAMP B

℄ CONST. FRONTAGE RD. RT.

BEGIN ℄ CONST. FRONTAGE RD. RT.
PC STA. 50+00.00 =
℄ CONST. RAMP B.
PT STA. 309+68.12, 12.00' LT.

36TH AVE. S

PROP. R/W

PRC STA. 54+84.37

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (4)

SHEET NO.

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END ℄ CONST. FRONTAGE RD. RT.
STA. 61+15.96
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
WM / TO REMAIN
UNKNOWN
℄ CONST. FRONTAGE RD. LT.
BEGIN ℄ CONST. ST. PAUL ST.
STA. 70+00.00
OE
UNKNOWN
℄ SURVEY US
41 (SR. 45)
OE
UNKNOWN
MANHOLE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
PULL BOX / TO BE RELOCATED
FRONTIER / BY OTHERS
POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS
VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
Vvh1-22
Vvh1-23
EXIST. R/W
SB US 41 (SR 45)
℄ CONST. US 41 LT.
PT STA. 59+50.64
PT STA. 112+54.86
℄ CONST. FLYOVER
EXIST. R/W
℄ CONST. US 41 RT.
BEGIN ℄ CONST.RAMP D
POTSTA. 500+00.00 =
℄ CONST. ST. PAUL ST.
STA. 72+12.39
℄ CONST. RAMP D
PCC STA. 2035+28.48
5 Buried Cables
Frontier
100,200,600,600,FOC
3 Buried Cables
Frontier
600,600,FOC
NB US 41 (SR 45)
CSX CROSSING
NO. 624802A
PROP. R/W
℄ CONST. FRONTAGE RD. RT.
PROP. R/W
BEGIN ℄ CONST. RAMP C
POT STA. 400+00.00 =
℄ CONST. ST. PAUL ST.
STA. 73+42.31
PI STA. 73+87.06
ST. PAUL ST.
PROP. R/W
℄ CONST. RAMP C
℄ CONST. ST. PAUL ST.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (5)

SHEET NO.

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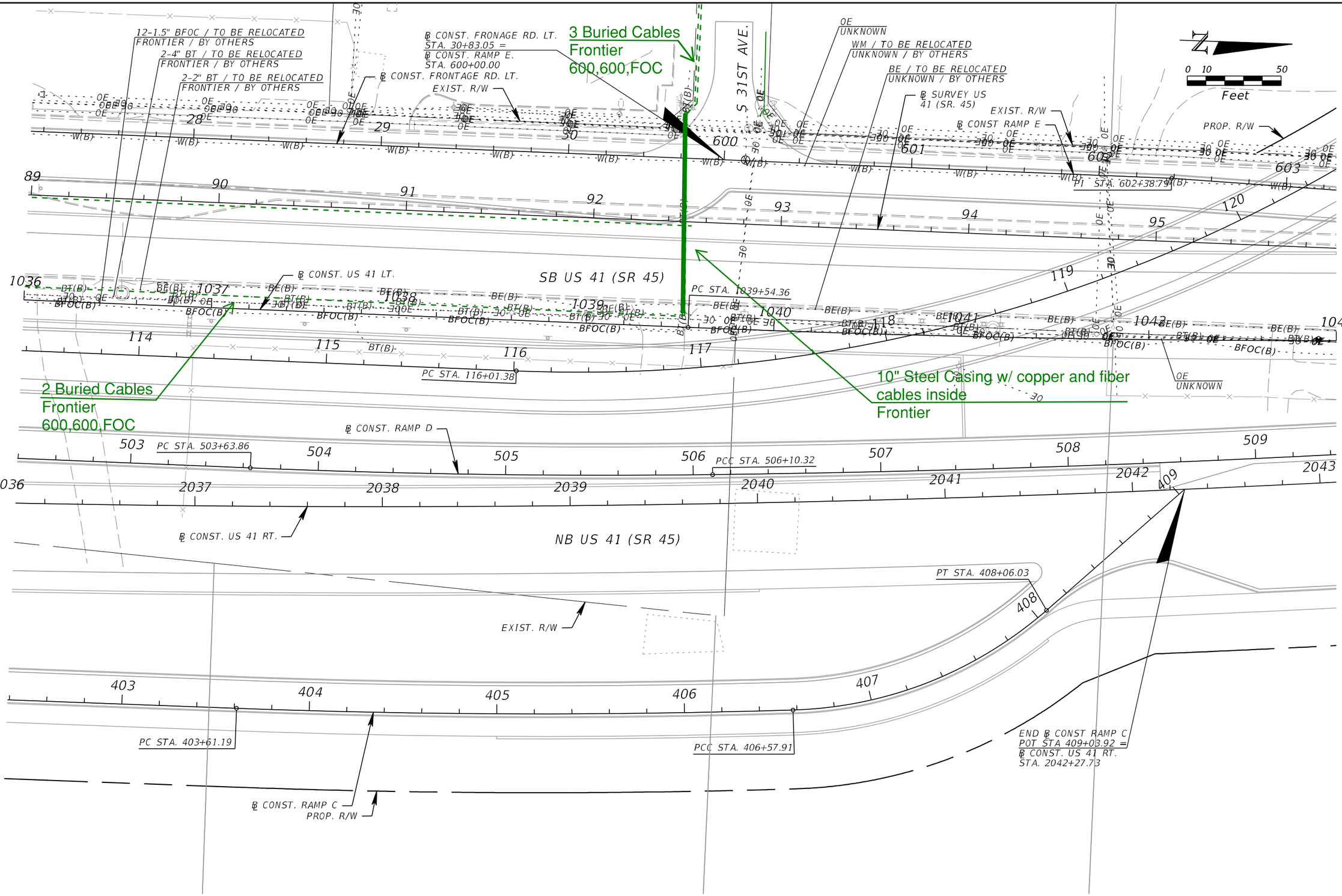

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (6)

SHEET NO.

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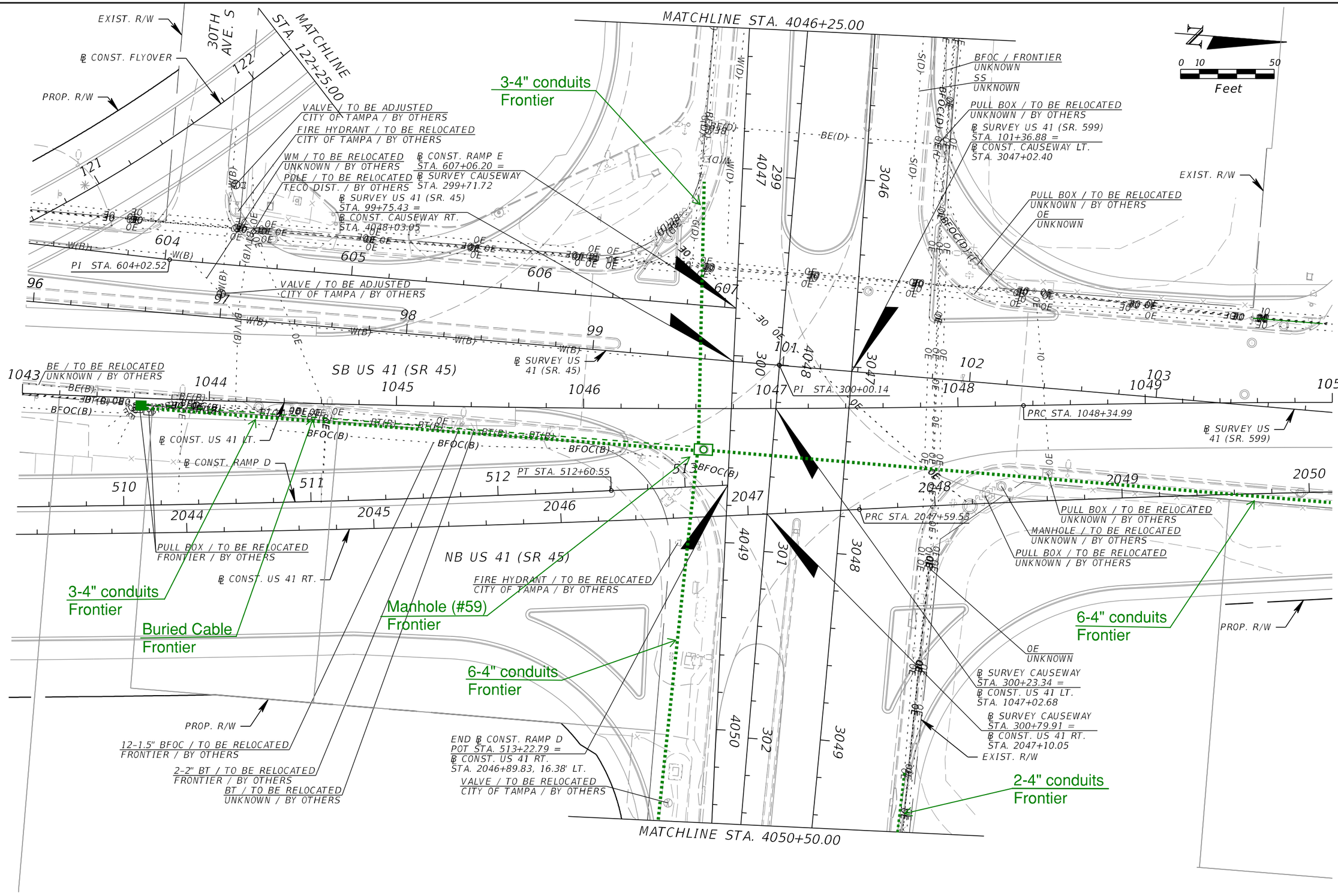

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (7)

SHEET NO.

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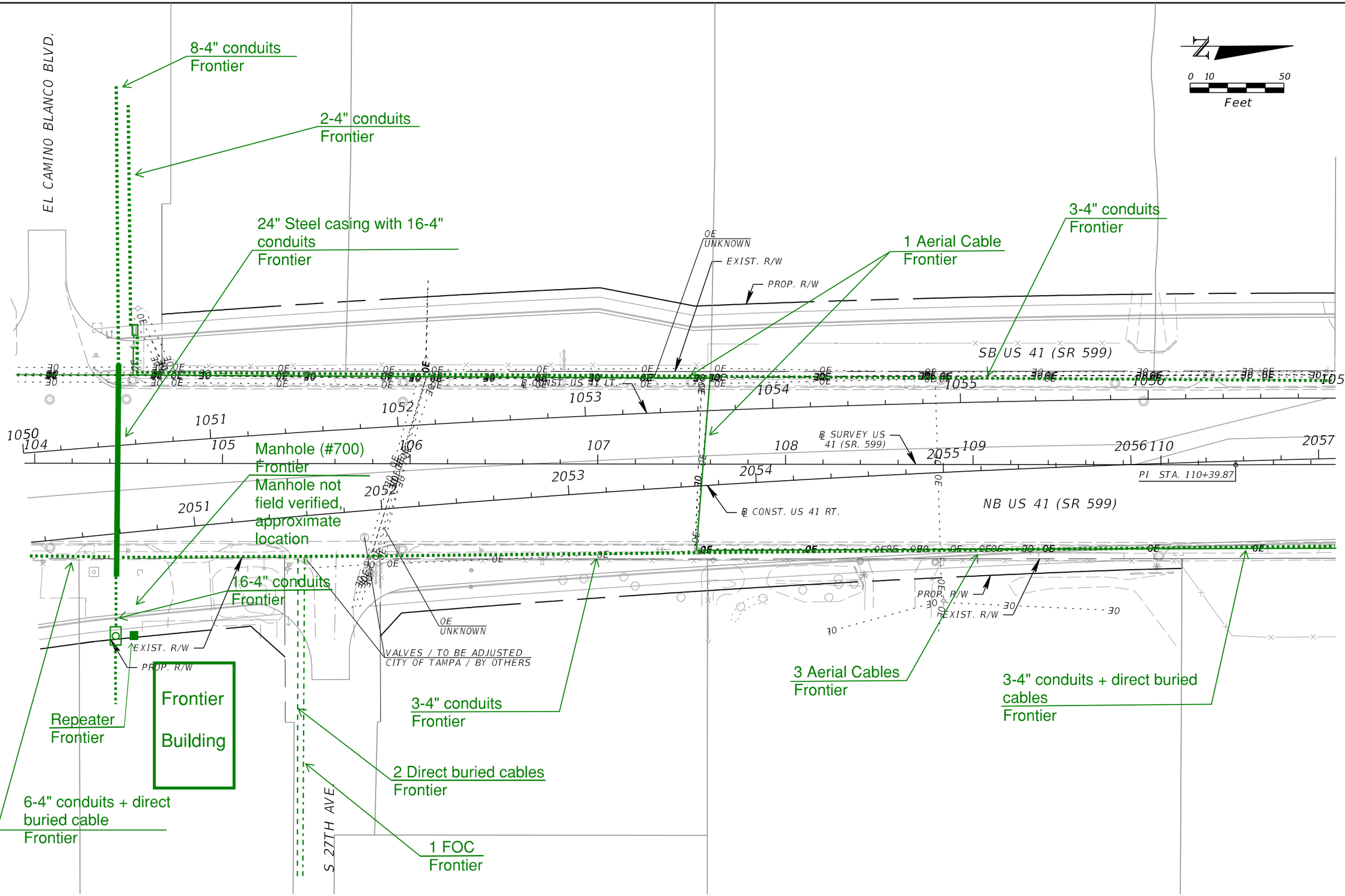

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (8)

SHEET NO.

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0 10 50
Feet

3-4" conduits
Frontier

SB US 41 (SR 599)

OE
UNKNOWN

PROP. R/W

EXIST. R/W

1 Aerial Cable
Frontier

3-4" conduits
Frontier

℄ CONST. US 41 LT.

PRC STA. 1061+64.38

PRC STA. 2061+21.22

1057 1058 1059 1060 1061 1062 1063 1064

111 112 113 114 115 116 117

2058 2059 2060 2061 2062 2063 2064

℄ CONST. 41 RT.

℄ SURVEY US
41 (SR. 599)

NB US 41 (SR 599)

EXIST. R/W

OE
UNKNOWN

3 Aerial Cables
Frontier

3-4" conduits
Frontier

3-4" conduits
Frontier

24th
S ~~27TH~~ AVE.

1 Aerial Cable
Frontier

EXIST. R/W

4 Aerial Cables
Frontier

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REVISIONS			
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FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (9)

SHEET NO.

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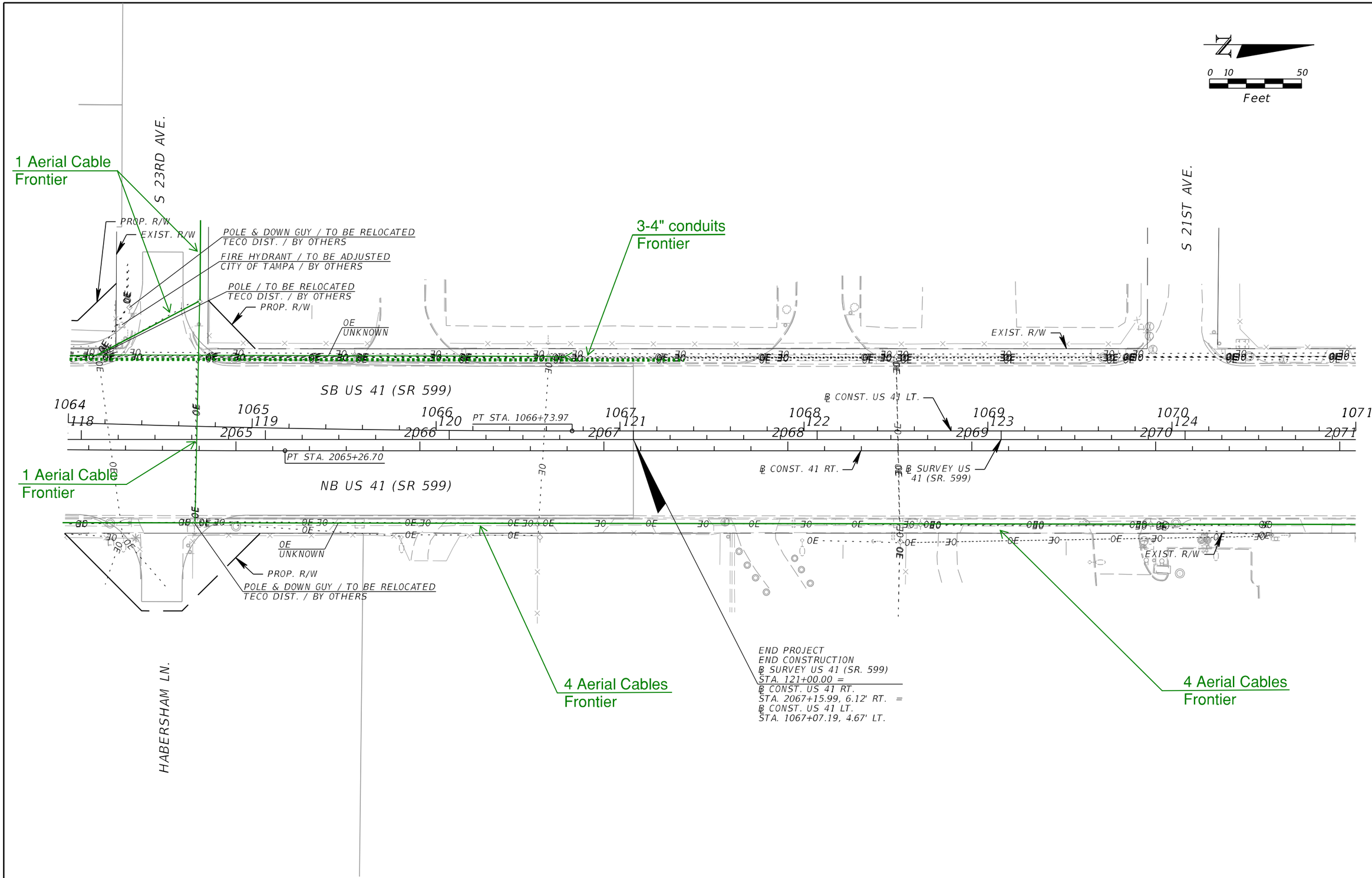

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (10)

SHEET NO.

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N

0 10 50

Feet

1 Aerial Cable
Frontier

2 Pedestals
Frontier

Buried Cable
Frontier

BEGIN CONSTRUCTION
℄ SURVEY CAUSEWAY
STA. 257+60.63 =
℄ CONST. CAUSEWAY RT.
STA. 4004+81.03, 186.57' LT.
℄ CONST. CAUSEWAY LT.
STA. 3004+61.19, 21.73' RT.

OE
UNKNOWN

EXIST. R/W

℄ CONST. CAUSEWAY LT.

PC STA. 3004+40.24

WB CAUSEWAY BLVD. (SR 676)

PRC STA. 3009+16.11

3004 3005 3006 3007 3008 3009 3010 3011

4005 4006 4007 4008 4009 4010 4011 4012

EB CAUSEWAY BLVD. (SR 676)

PI STA. 4006+12.81

257 258 259 260 261 262 263 264

EXIST. R/W

℄ CONST. CAUSEWAY RT.

℄ SURVEY CAUSEWAY

4-4" conduits
Frontier

OE
UNKNOWN

WM / CITY OF TAMPA
UNKNOWN

GAS / TECO
UNKNOWN

BT / FRONTIER
UNKNOWN

BT / FRONTIER
UNKNOWN

BFOC / FRONTIER
UNKNOWN

BE
UNKNOWN

Pull Box
Frontier

4-4" conduits
Frontier

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (11)

SHEET NO.

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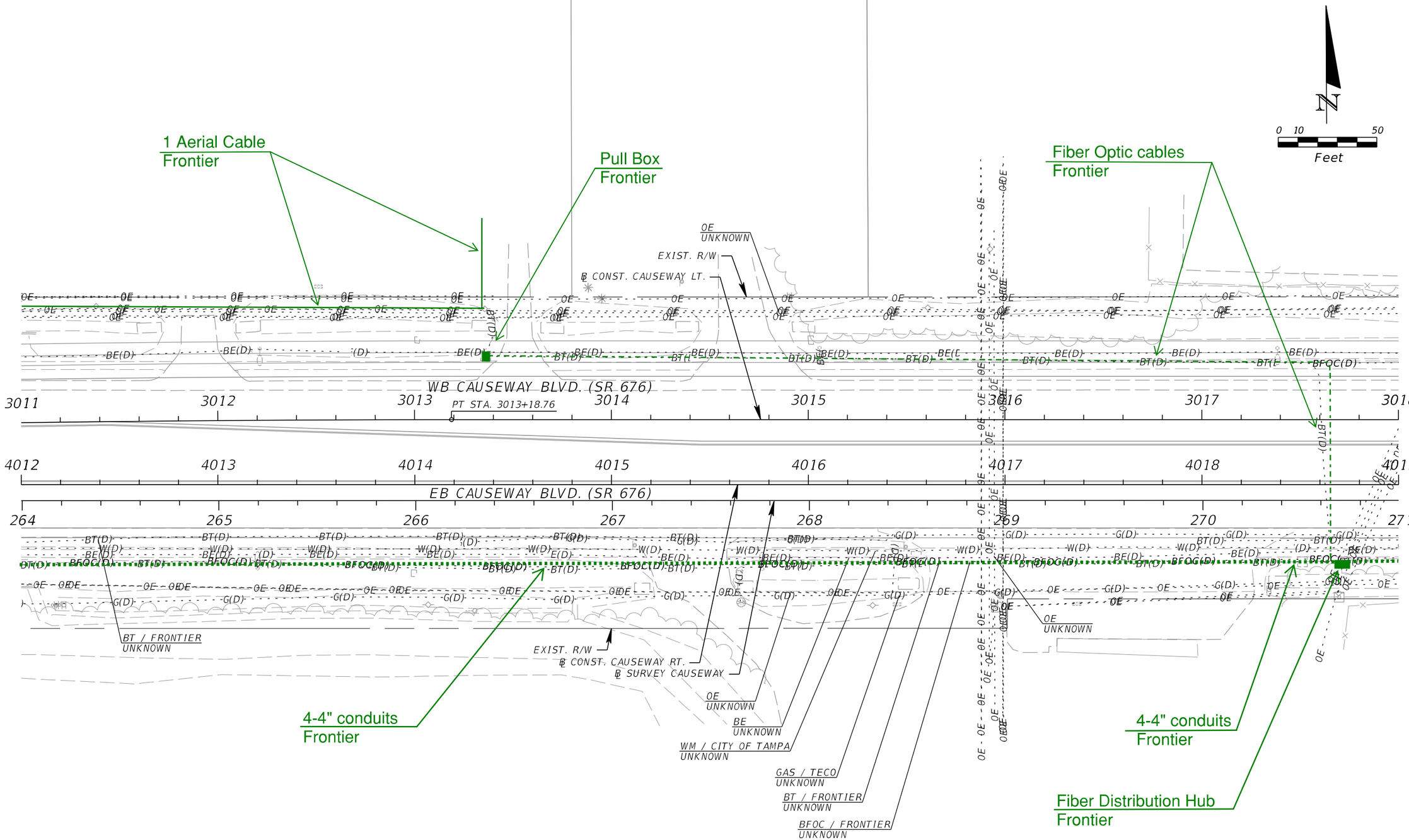

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (12)

SHEET NO.

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1 Aerial Cable
Frontier

N

0 10 50
Feet

OE
UNKNOWN

EXIST. R/W

℄ CONST. CAUSEWAY LT.

END BL CONST. FLYOVER
STA. 145+60.67 =
BL CONST. CAUSEWAY LT.
STA. 3022+87.30, 11.00' RT

WB CAUSEWAY BLVD. (SR 676)

3018 3019 3020 3021 3022 3023 3024 3025

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

4019 4020 4021 4022 4023 4024 145 4025 144 4026

EB CAUSEWAY BLVD. (SR 676)

PC STA. 4023+26.97°

271 272 273 274 275 276 277 278

OE
UNKNOWN

EXIST. R/W

℄ CONST. CAUSEWAY RT.

℄ SURVEY CAUSEWAY

WM / CITY OF TAMPA
UNKNOWN

GAS / TECO
UNKNOWN

BT / FRONTIER
UNKNOWN

BFOC / FRONTIER
UNKNOWN

BE
UNKNOWN

EXIST. R/W

4-4" conduits
Frontier

Pull Box
Frontier

Pedestal
Frontier

4-4" conduits
Frontier

1 Aerial Cable
Frontier

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REVISIONS			
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FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (13)

SHEET NO.

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S 45TH ST.

1 Aerial Cable
Frontier

0 10 50
Feet

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

OE
UNKNOWN

℄ CONST. CAUSEWAY LT.

EXIST. R/W

PROP. R/W

EXIST. R/W

WB CAUSEWAY BLVD. (SR 676)

3025 3026 3027 3028 3029 3030 3031 3032

PC STA. 3026+65.79

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS

PRC STA. 3030+80.62

PRC STA. 4030+58.31

4026 4027 4028 4029 4030 4031 4032 4033

278 EB CAUSEWAY BLVD. (SR 676) 279 280 281 282 283 284 285

143 142 141 140 139 138 137

OE
UNKNOWN

EXIST. R/W

℄ CONST. FLYOVER

℄ CONST. CAUSEWAY RT.

PROP. R/W

℄ SURVEY CAUSEWAY

WM / CITY OF TAMPA
UNKNOWN

GAS / TECO
UNKNOWN

GAS / TECO
UNKNOWN

BT / FRONTIER
UNKNOWN

BFOC / FRONTIER
UNKNOWN

BE
UNKNOWN

4-4" conduits
Frontier

1 Aerial Cable
Frontier

1 Aerial Cable
Frontier

4-4" conduits
Frontier

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (14)

SHEET NO.

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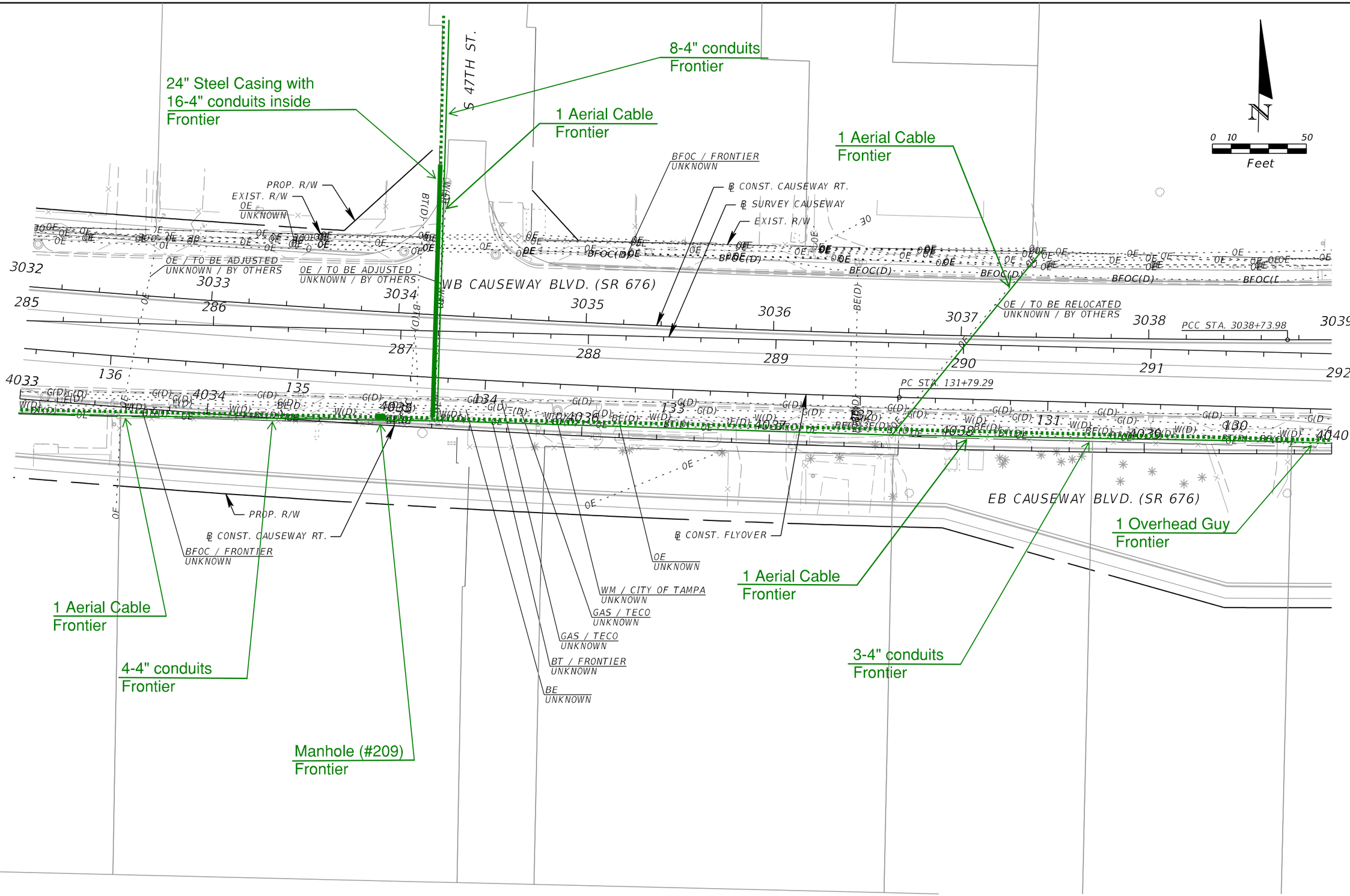

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (15)

SHEET NO.

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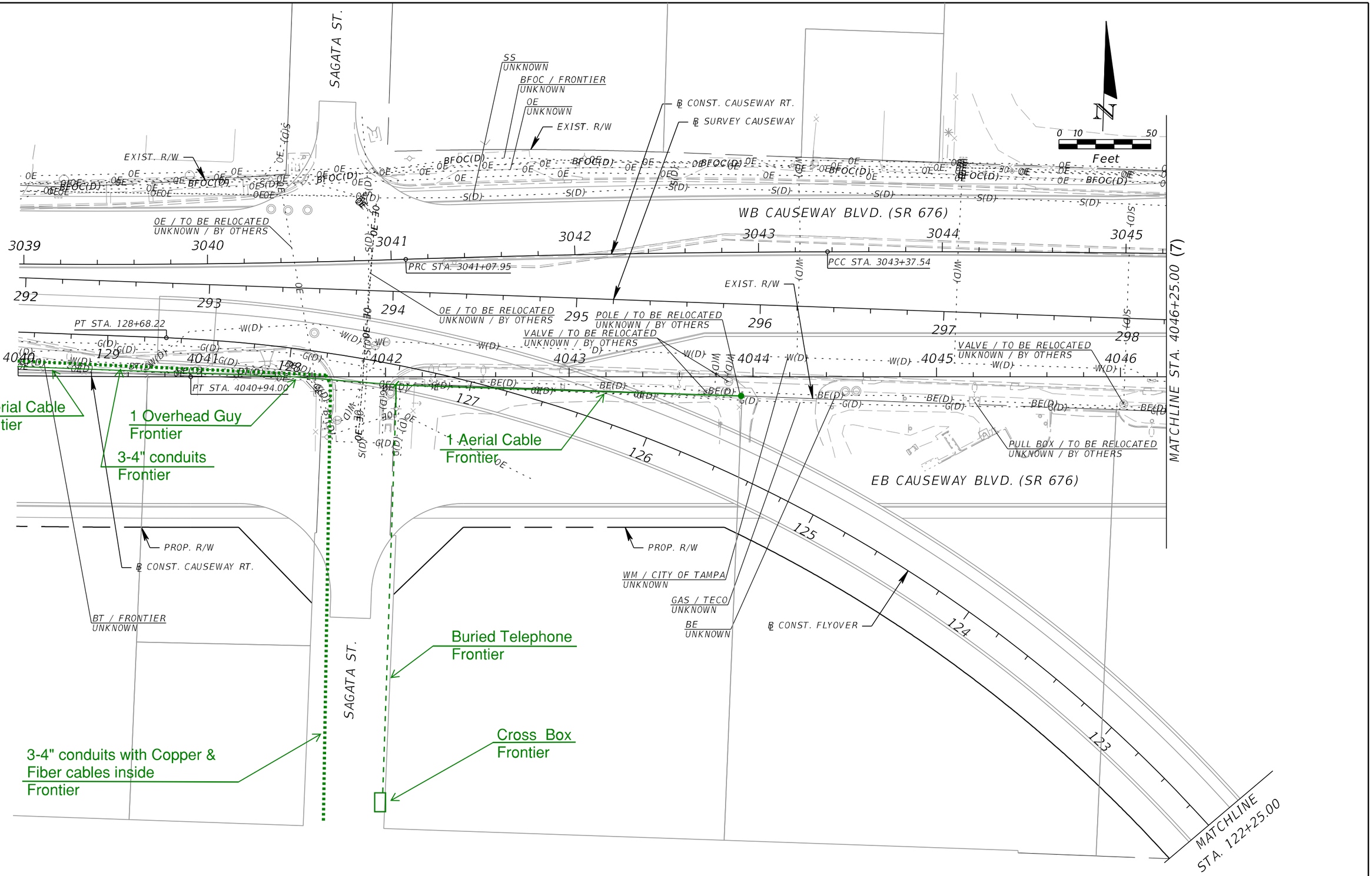

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (16)

SHEET NO.

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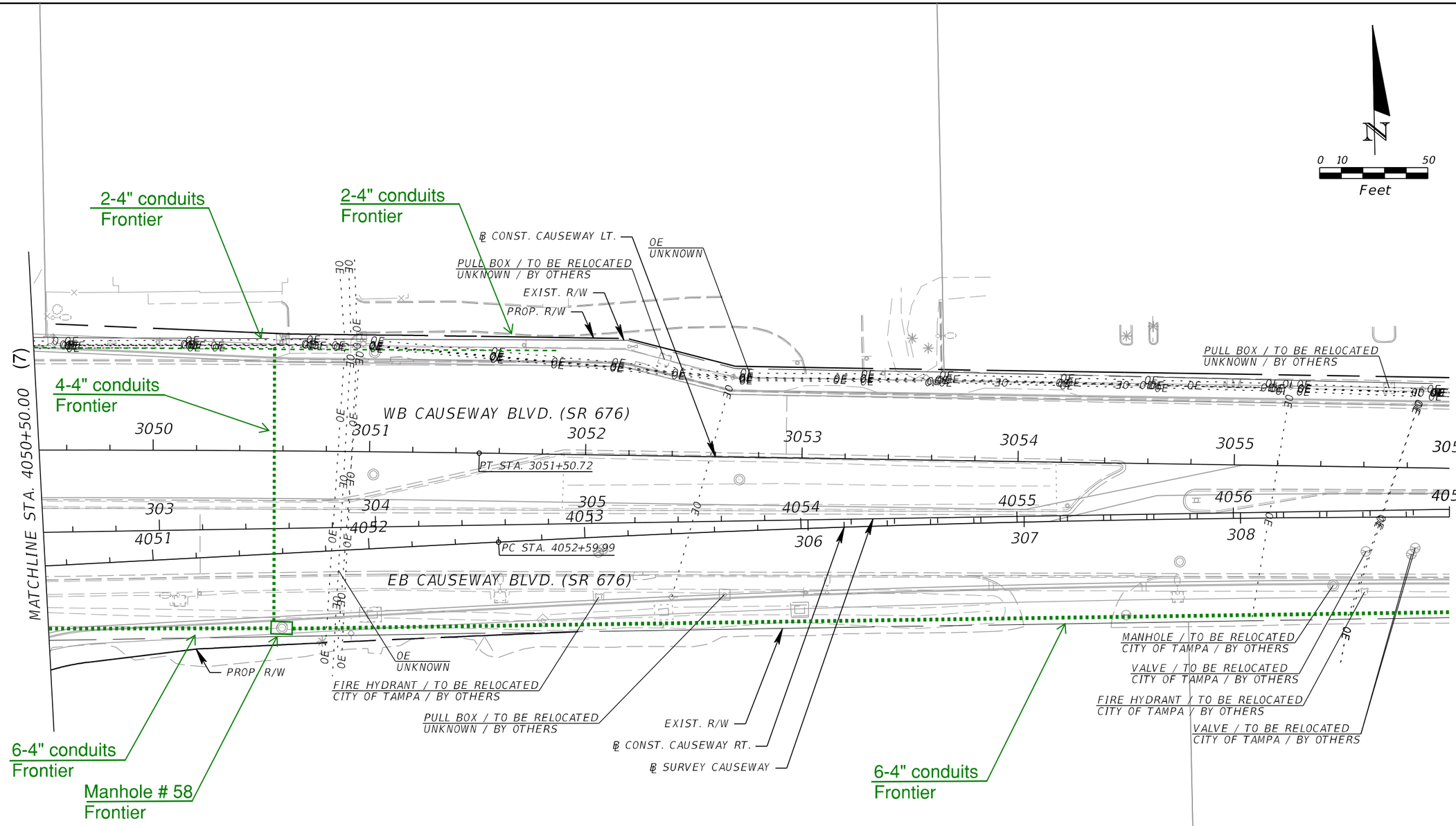

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (17)

SHEET NO.

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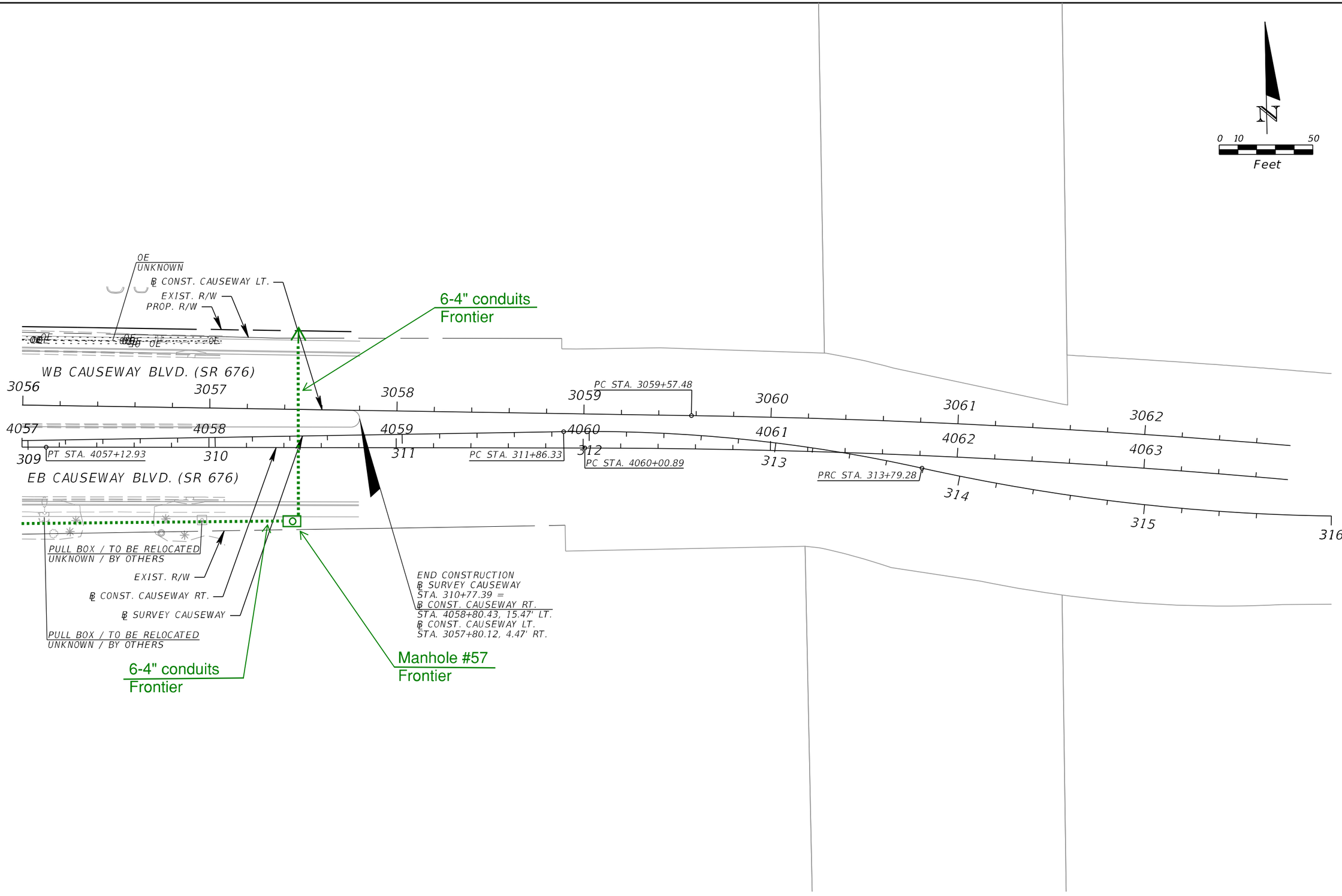

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FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (18)

SHEET NO.

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Date:	12/04/2018	Test Hole Data Report		Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	ECHO UES, Inc. www.echoues.com 888.778.ECHO	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	ECHO UTILITY ENGINEERING & SURVEY - GROW. INSPIRE. MAKE A DIFFERENCE-	General Location:	US 41
Truck No.:	D-3/T-2			Coordinate Unit of Measure:	US Survey Feet

Utility Type			Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Horizontal: NAD83/11 Vertical: NAVD88 Northing	Easting	Ground Elevation	Utility Elevation
1-1	BT	PVC	2 - 4"	3.26'			IRC	NG	N/A	FRONTIER	1301204.90'	526413.67'	7.51'	4.25'
1-2	WM	CI	6"	3.30'			IRC	NG	N/A	COT	1301205.19'	526416.74'	7.48'	4.18'
1-3	FOC/BT	PVC	4"	2.47'			IRC	NG	N/A	FRONTIER	1301204.95'	526415.25'	7.48'	5.01'
1-4	FOC	PE	12 - 1.5"	8.80'			IRC	NG	N/A	FRONTIER	1301205.12'	526418.96'	7.36'	-1.44'
1-5	CATV	PVC	2 - 2"	5.54'			IRC	NG	N/A	SPECTRUM	1301181.11'	526321.06'	6.85'	1.31'
1-6	BT	PVC	2 - 4"	3.44'			IRC	NG	N/A	FRONTIER	1301811.38'	526417.02'	6.84'	3.40'
1-7	FOC/BT	PVC	4"	2.42'			IRC	NG	N/A	FRONTIER	1301811.47'	526418.97'	6.84'	4.42'
1-8	WM	UNK	UNK	10.06'			IRC	NG	N/A	COT	1301810.12'	526422.34'	6.83'	-3.23'
1-9	FOC/BT	PVC	4"	3.34'			IRC	NG	N/A	FRONTIER	1301810.56'	526424.00'	6.49'	3.15'

Notes: 1-8 - Unable to visually verify size and matterial due to depth and groundwater. Possible 6" cast iron.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (19)

SHEET NO.

Date:	12/05/2018	Test Hole Data Report		Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	ECHO UES, Inc. www.echoues.com 888.778.ECHO	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	ECHO UTILITY ENGINEERING & SURVEY - GROW. INSPIRE. MAKE A DIFFERENCE-	General Location:	US 41
Truck No.:	D-3/T-2			Coordinate Unit of Measure:	US Survey Feet

Utility Type			Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	N / Utility Direction	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Northing	Horizontal: NAD83/11 Vertical: NAVD88 Easting	Ground Elevation	Utility Elevation
1-10	FOC	PE	12 - 1.5"	3.96'			IRC	NG	N/A	FRONTIER	1302430.03'	526421.52'	6.62'	2.66'
1-11	BT	PVC	2 - 4"	2.50'			IRC	NG	N/A	FRONTIER	1302430.50'	526424.77'	6.68'	4.18'
1-12	FOC/BT	PVC	4"	1.90'			IRC	NG	N/A	FRONTIER	1302430.47'	526425.15'	6.69'	4.79'
1-13	BT	DBC	2"	1.56'			IRC	NG	N/A	FRONTIER	1302430.15'	526428.11'	6.81'	5.25'
1-14	WM	DIP	6"	3.40'			IRC	NG	N/A	COT	1302428.62'	526446.38'	8.20'	4.80'
1-15	GM	STL	4"	3.00'			IRC	NG	N/A	COT	1302488.18'	526318.06'	6.08'	3.08'
1-16	BT	PVC	4"	3.50'			IRC	NG	N/A	FRONTIER	1301205.22'	526417.96'	7.50'	4.00'
1-17	BT	DBC	2"	3.00'			IRC	NG	N/A	FRONTIER	1301810.09'	526422.72'	6.80'	3.80'

Notes:

	Prepared by: EE ***Date: 02/12/2019***
	Checked by: AB ***Date: 02/12/2019***

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (20)

SHEET NO.

Date:	12/06/2018	Test Hole Data Report	Crew Members:	DW, TG, MAJ
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	General Location:	US 41
Truck No.:	D-3/T-2	ECHO UTILITY ENGINEERING & SURVEY	Coordinate Unit of Measure:	US Survey Feet

ECHO UES, Inc.
www.echoues.com
888.778.ECHO
- GROW. INSPIRE. MAKE A DIFFERENCE-

Utility Type			Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
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STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Horizontal: NAD83/11 Vertical: NAVD88 Northing	Datums: Easting	Ground Elevation	Utility Elevation
1-18	BT	PVC	2 - 4"	3.82'			IRC	NG	N/A	FRONTIER	1303091.15'	526425.13'	7.04'	3.22'
1-19	FOC/BT	PVC	4"	2.54'			IRC	NG	N/A	FRONTIER	1303091.17'	526425.73'	6.99'	4.45'
1-20	BT	LEAD	2 - 2"	3.00'			IRC	NG	N/A	FRONTIER	1303091.09'	526427.92'	6.86'	3.86'
1-21	FOC	UNK	12 - 1.5"	9.22'			IRC	NG	N/A	FRONTIER	1303091.01'	526430.76'	6.58'	-2.64'
1-22	BT	LEAD	2 - 2"	2.00'			IRC	NG	N/A	FRONTIER	1303695.15'	526432.46'	6.77'	4.77'
1-23	BT	PVC	2 - 4"	2.76'			IRC	NG	N/A	FRONTIER	1303695.20'	526433.46'	6.70'	3.94'
1-24	BT	LEAD	2 - 2"	2.74'			IRC	NG	N/A	FRONTIER	1304500.45'	526435.53'	7.28'	4.54'

Notes: 1-21 - Unable to visually verify size and material due to depth and groundwater. Possibly 12 - 1.5" polyethylene pipes.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (21)

SHEET NO.

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STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

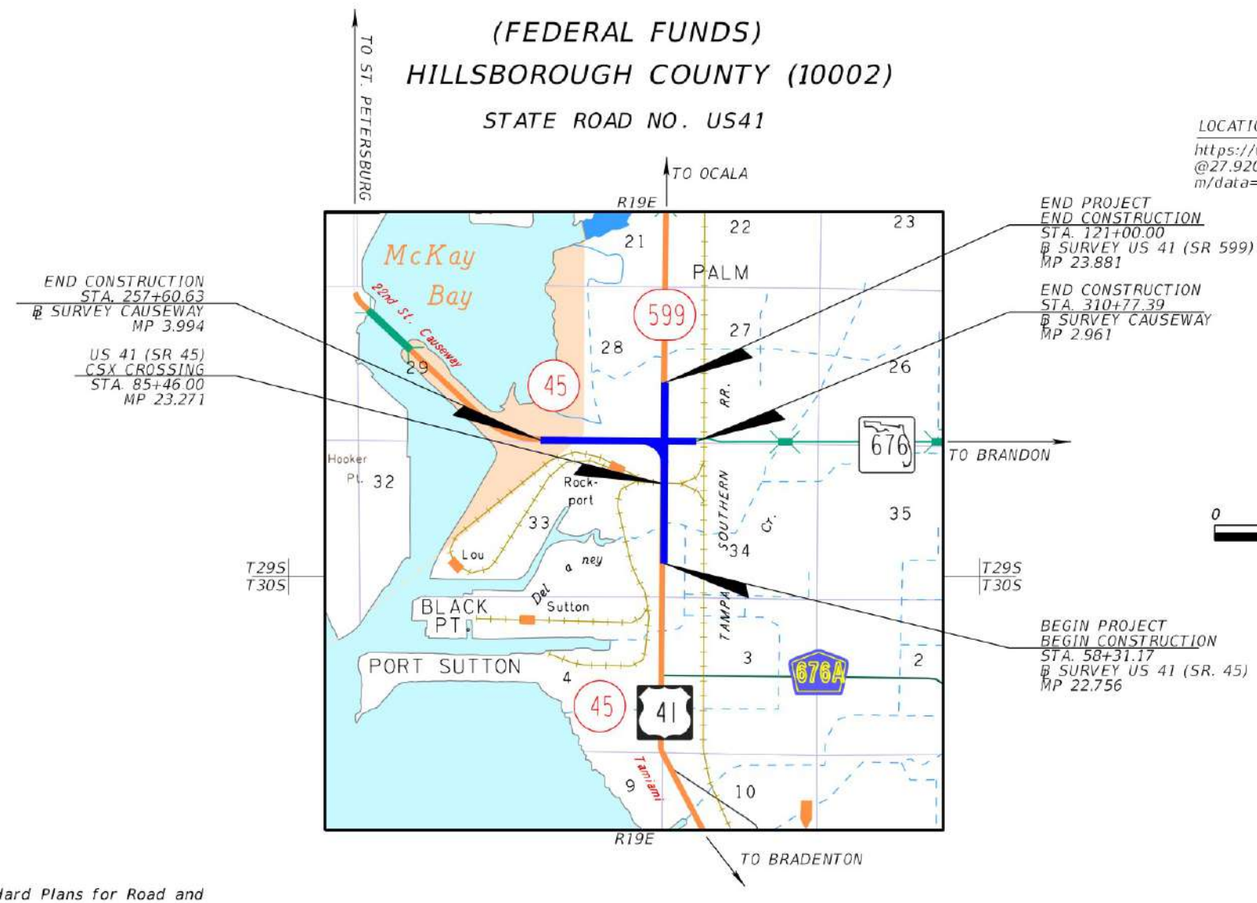
CONTRACT PLANS

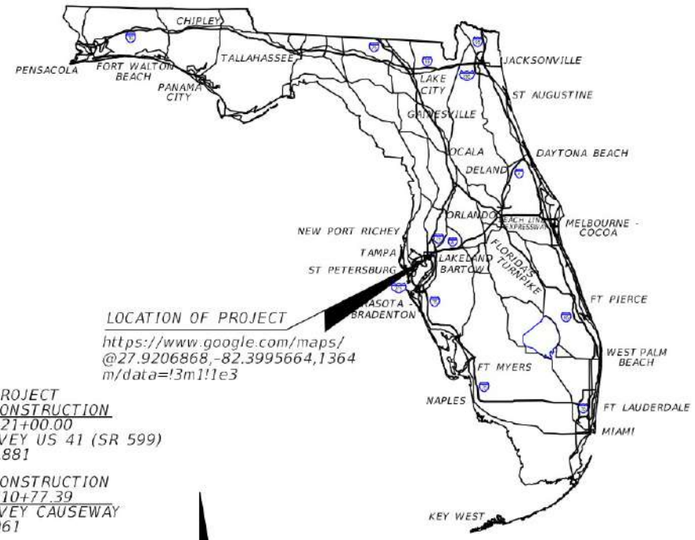
FINANCIAL PROJECT ID 440749-1-52-01

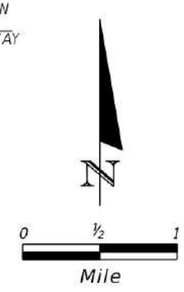
(FEDERAL FUNDS)

HILLSBOROUGH COUNTY (10002)

STATE ROAD NO. US41







GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2021-22 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

APPLICABLE IRs: N/A

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

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

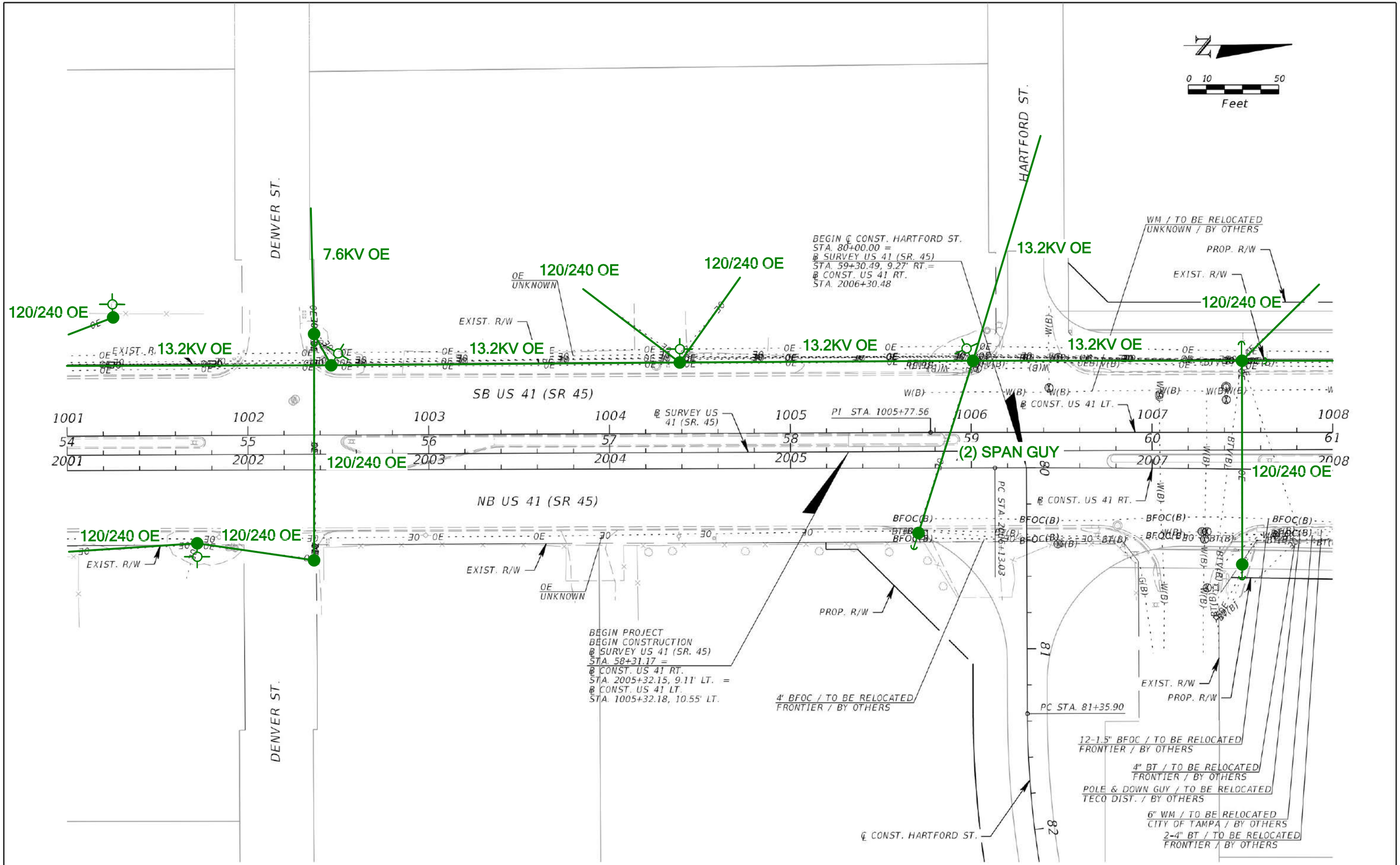
ROADWAY PLANS ENGINEER OF RECORD:

BRANAN R. ANDERSON, P.E. NO.: 78438
KISINGER CAMPO AND ASSOCIATES CORP.
CONSULTING ENGINEERS & PLANNERS
201 N. FRANKLIN STREET, SUITE 400
TAMPA, FLORIDA 33602
(813) 871-5331
VENDOR NUMBER.: F59-1677145

FDOT PROJECT MANAGER:

TIM O'BRIEN P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	21	1



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REVISIONS			
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Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No. 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (1)

SHEET NO.

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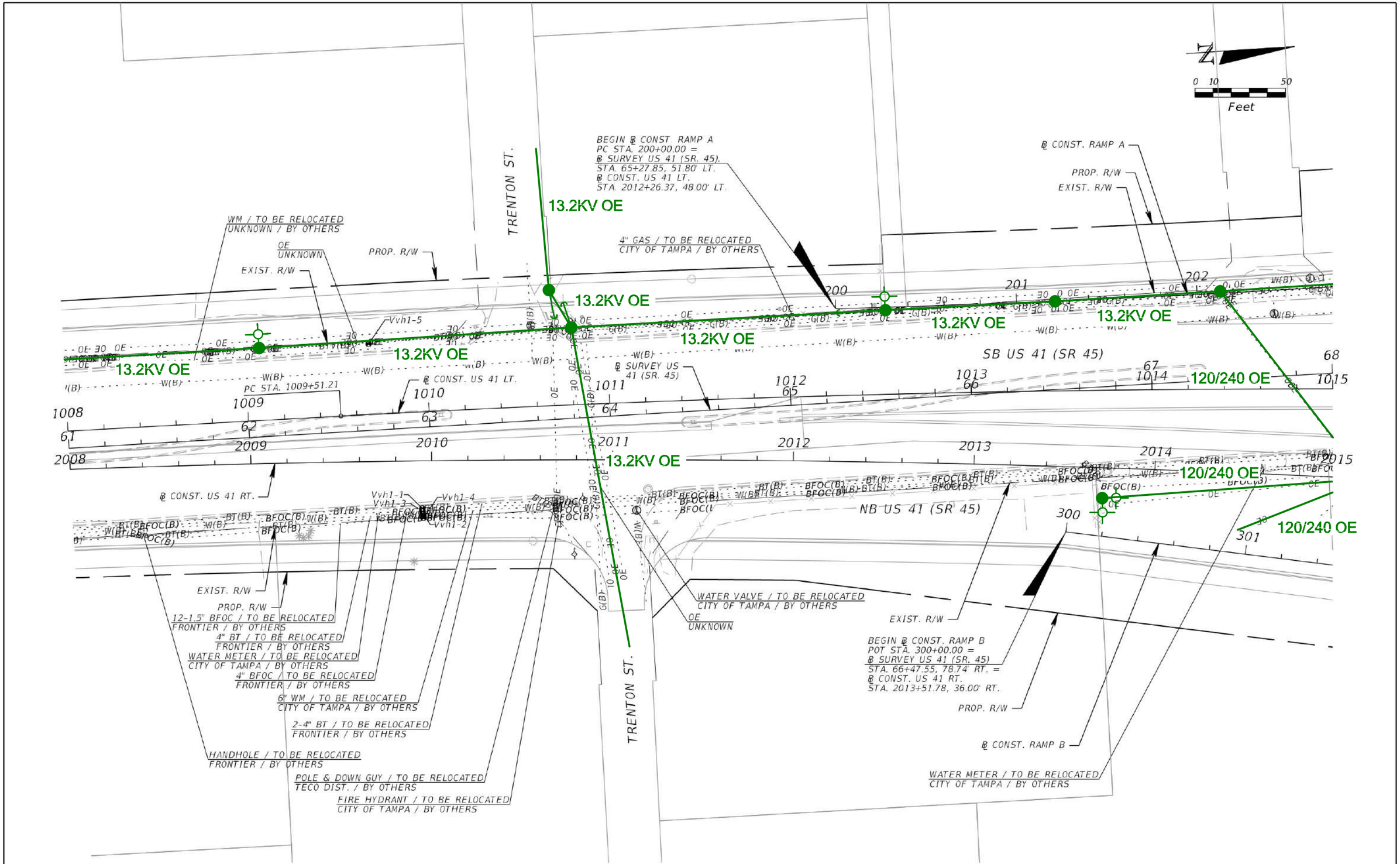

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REVISIONS			
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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (2)

SHEET NO.

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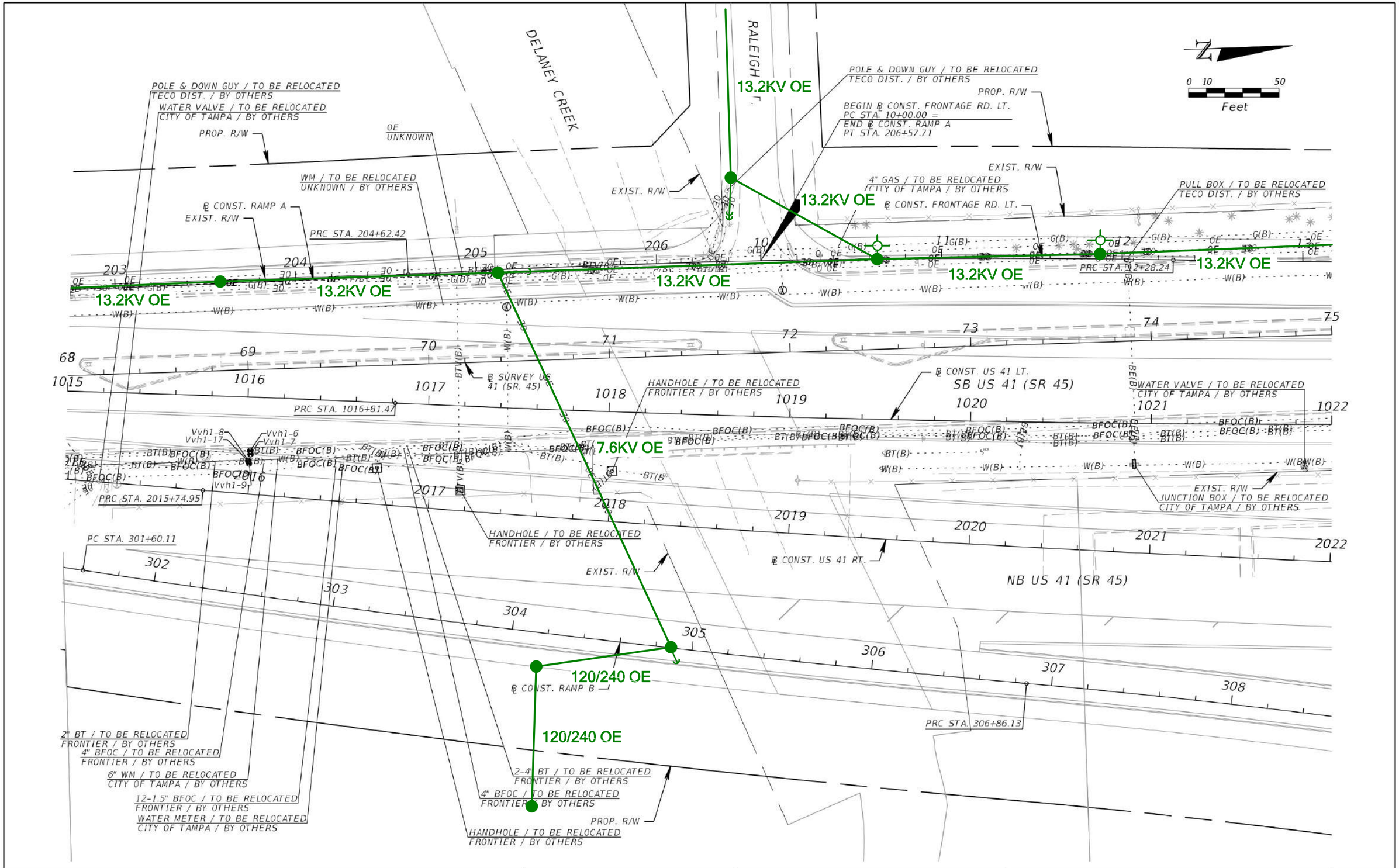

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

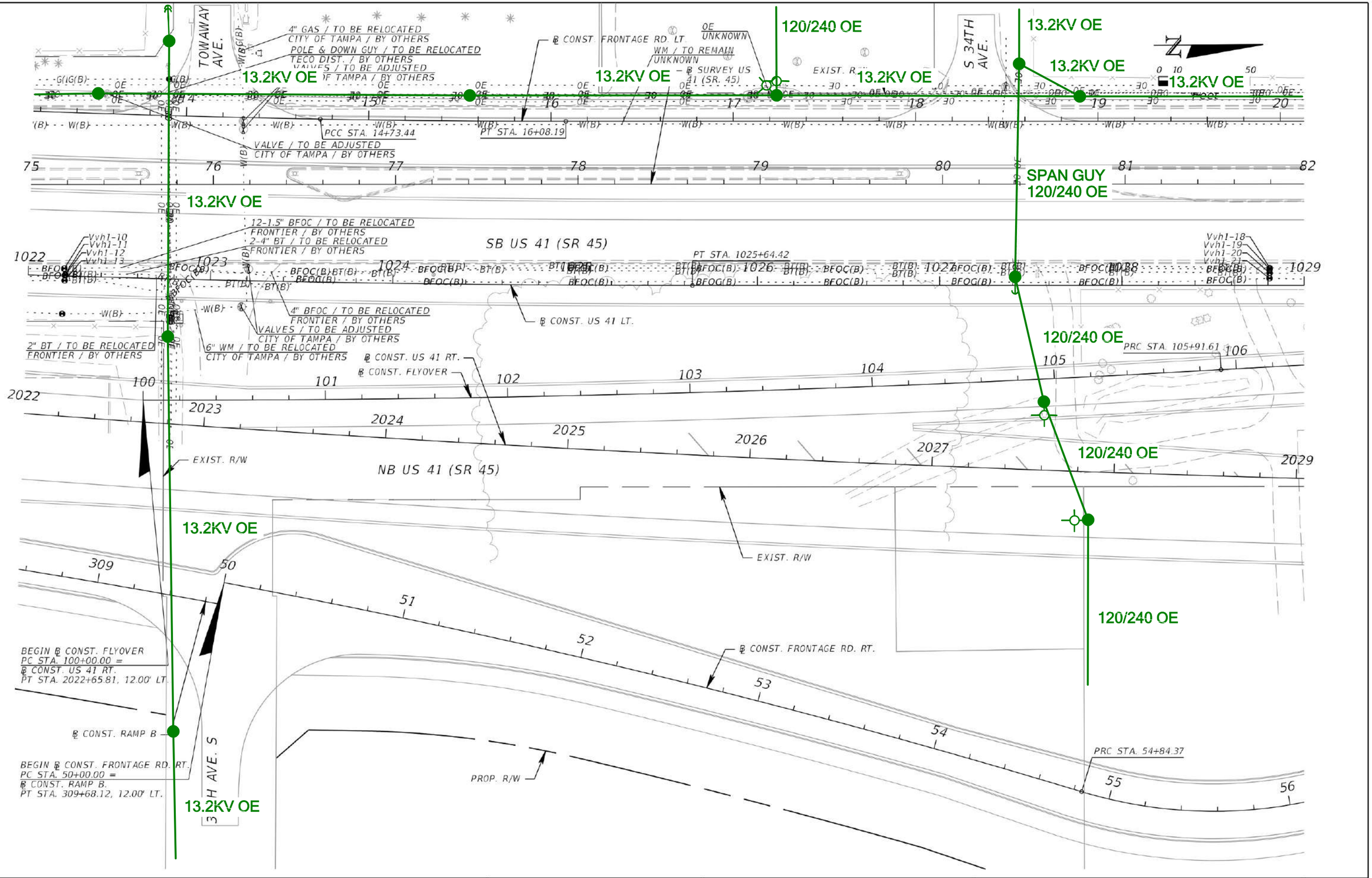
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (3)

SHEET NO.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (4)

SHEET NO.

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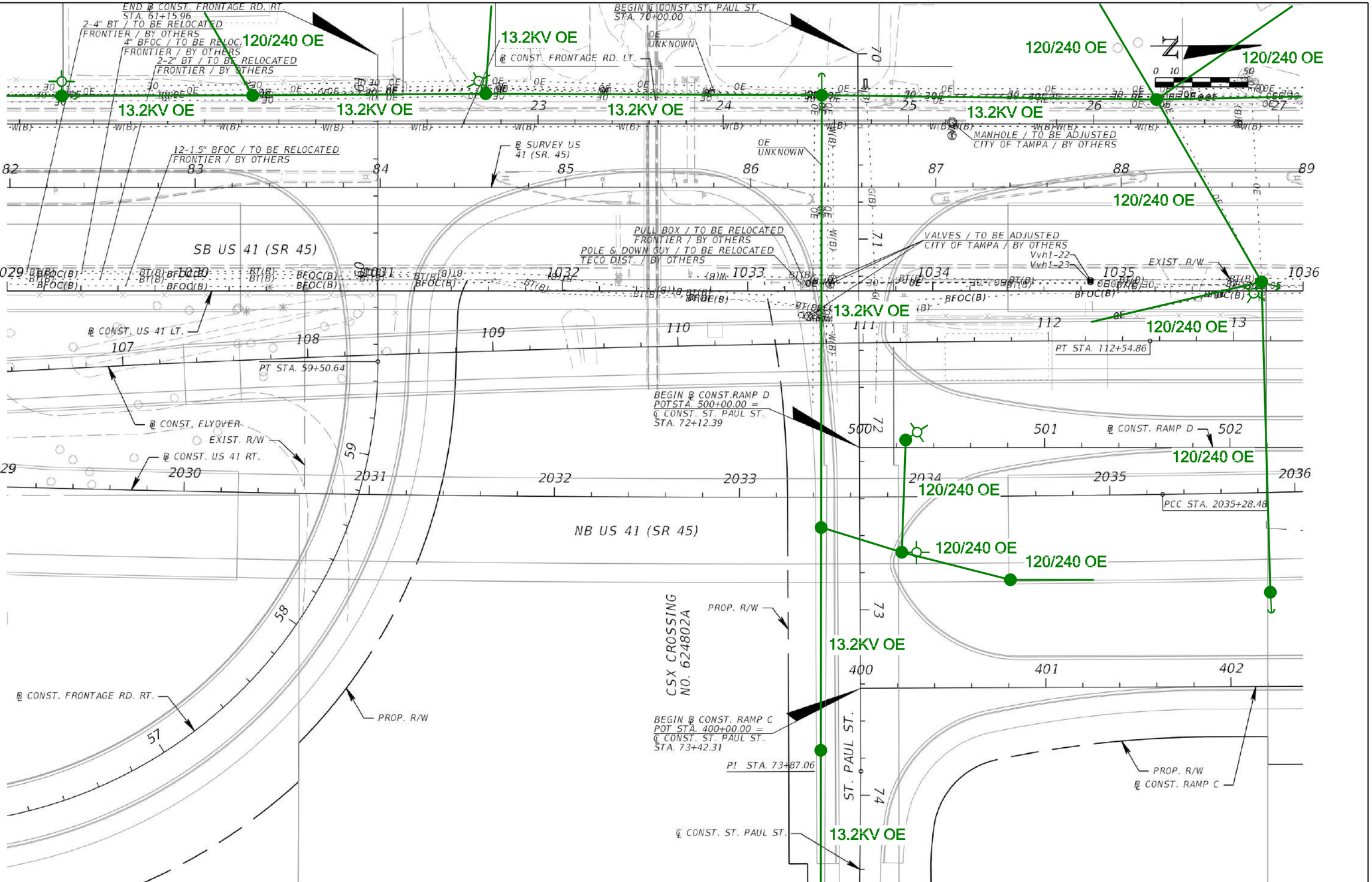

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (5)

SHEET NO.

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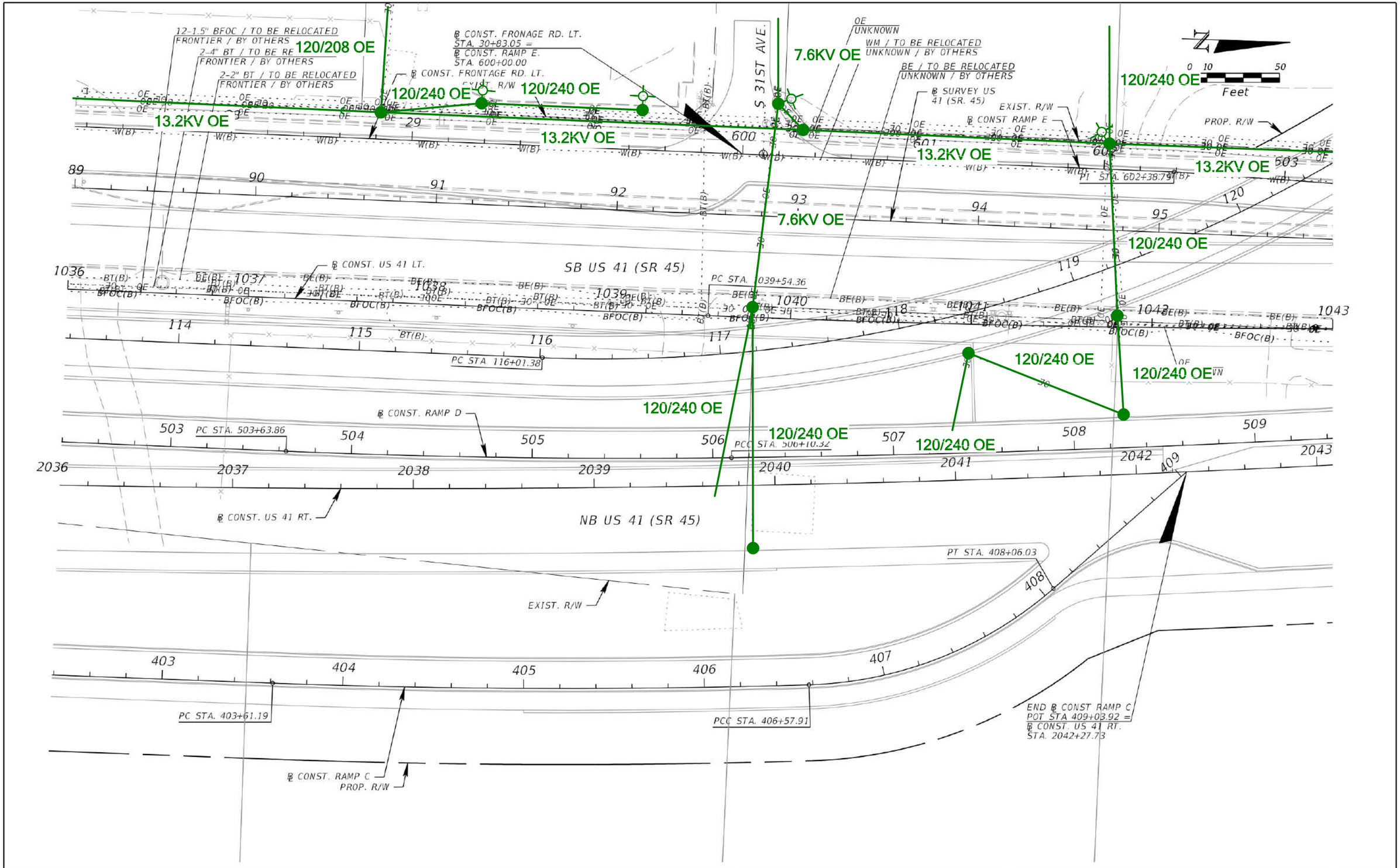

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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (6)

SHEET NO.

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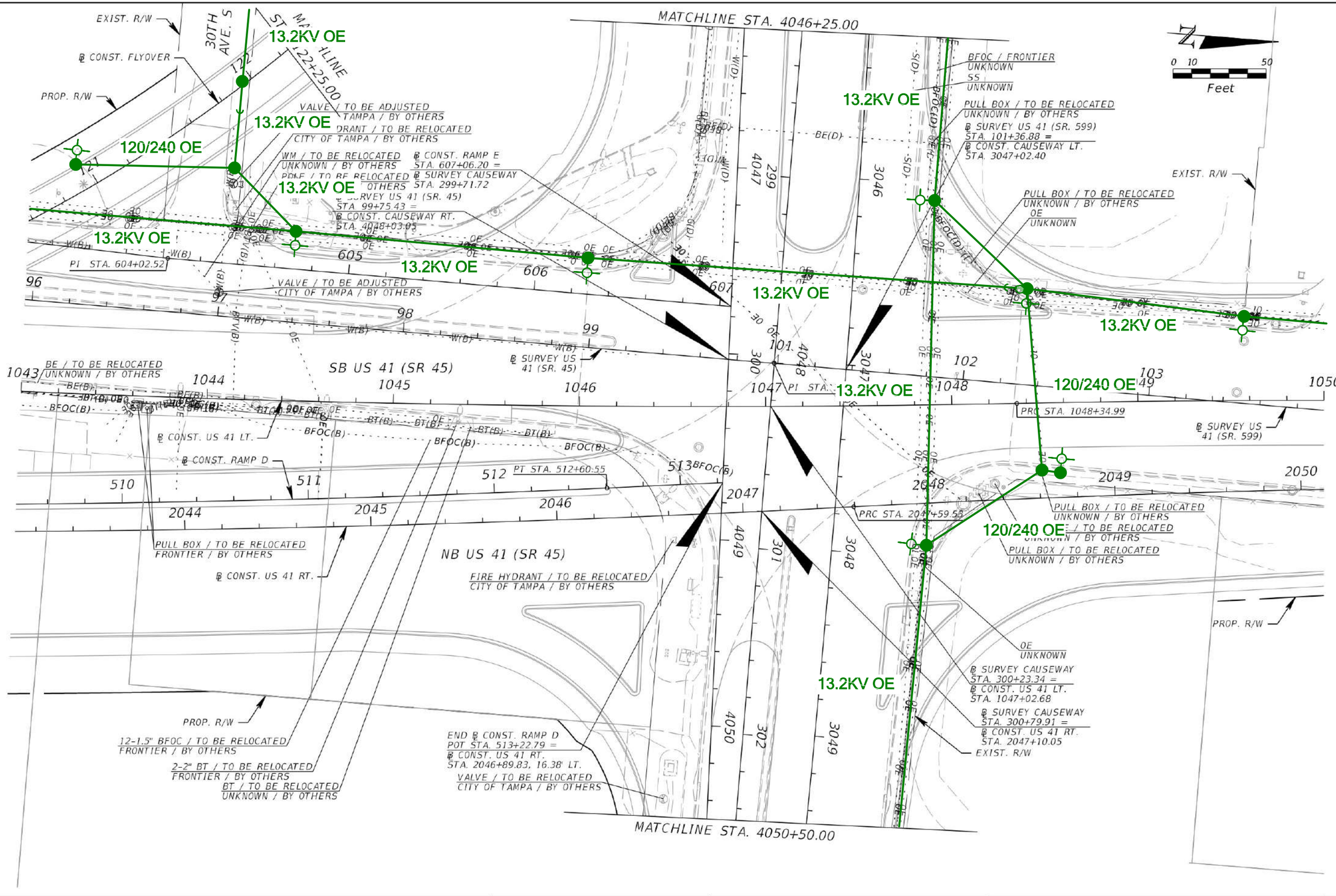

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

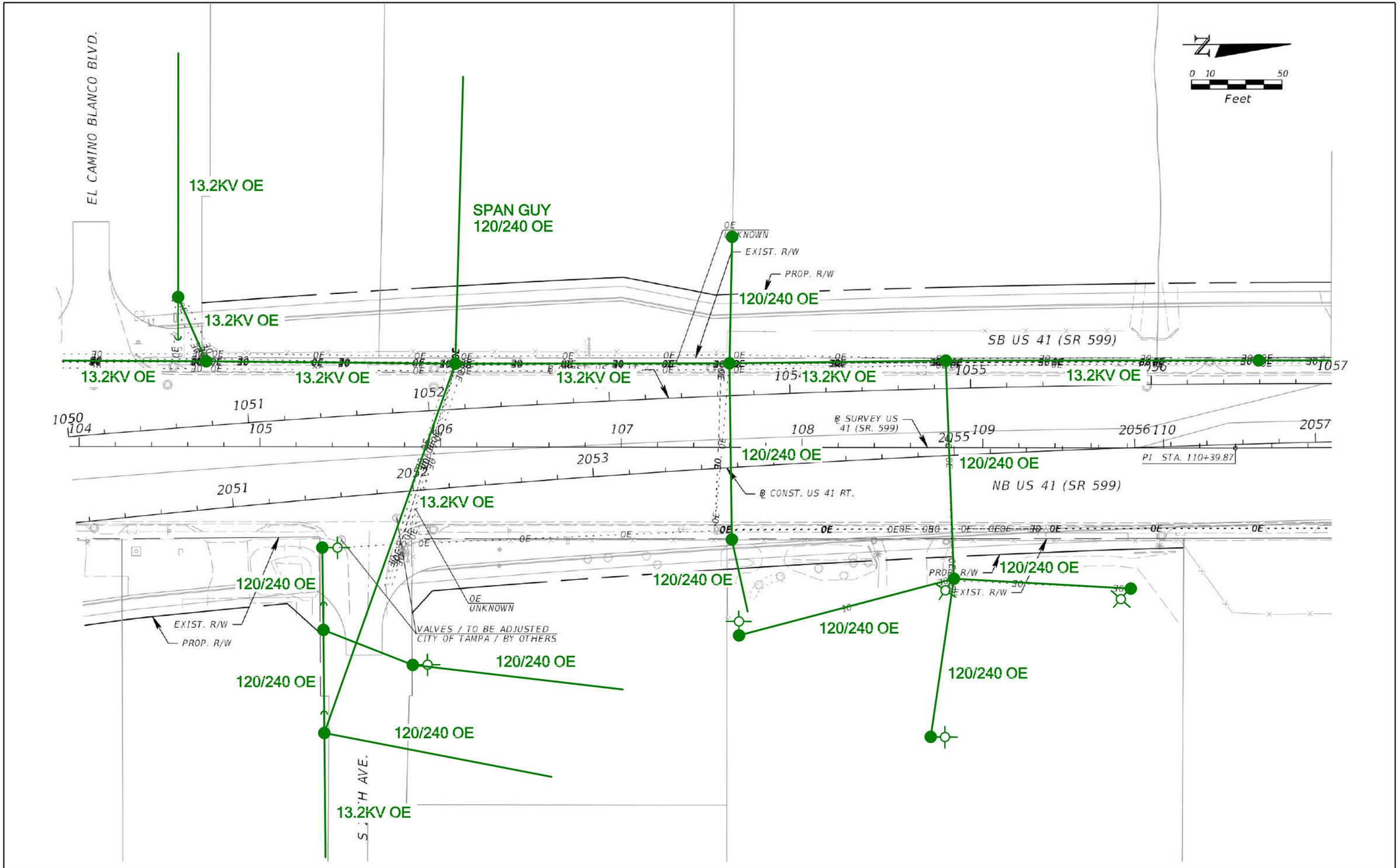
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (7)

SHEET NO.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

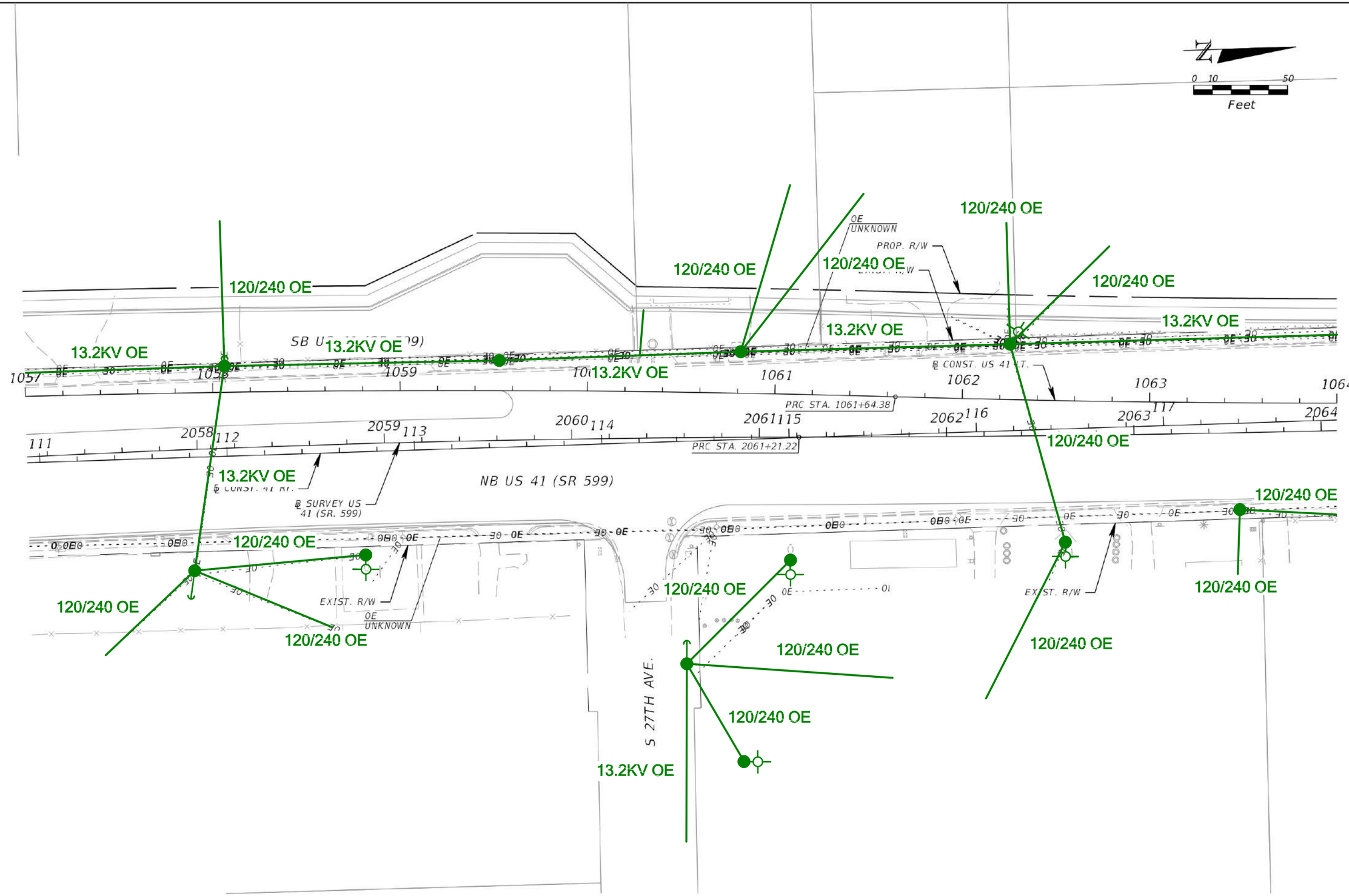
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (8)

SHEET NO.

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



REVISIONS			
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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (9)

SHEET NO.

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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Feet

S 23RD AVE.

S 21ST AVE.

PROP. R/W
EXIST. R/W
7.6KV OE
POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS
FIRE HYDRANT / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
POLE / TO BE RELOCATED
TECO DIST. / BY OTHERS
PROP. R/W
OE
UNKNOWN
EXIST. R/W

7.6KV OE
13.2KV OE
13.2KV OE
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SB US 41 (SR 599)

1064 118 1065 119 1066 120 1067 121 1068 122 1069 123 1070 124 1071
2065 2066 2067 2068 2069 2070 2071

PT STA. 1066+73.97
PT STA. 2065+26.70
℄ CONST. US 41 LT.
℄ CONST. 41 RT.
℄ SURVEY US 41 (SR. 599)

120/240 OE
7.6KV OE

NB US 41 (SR 599)

120/240 OE
120/240 OE
120/240 OE
7.6KV OE
7.6KV OE
7.6KV OE
EXIST. R/W

OE
UNKNOWN
PROP. R/W
POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

HABERSHAM LN.

END PROJECT
END CONSTRUCTION
℄ SURVEY US 41 (SR. 599)
STA. 121+00.00 =
℄ CONST. US 41 RT.
STA. 2067+15.99, 6.12' RT. =
℄ CONST. US 41 LT.
STA. 1067+07.19, 4.67' LT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (10)

SHEET NO.

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

N

0 10 50
Feet

BEGIN CONSTRUCTION
℄ SURVEY CAUSEWAY
STA. 257+60.63 =
℄ CONST. CAUSEWAY RT.
STA. 4004+81.03, 186.57' LT.
℄ CONST. CAUSEWAY LT.
STA. 3004+61.19, 21.73' RT.

120/240 OE
120/240 OE
120/240 OE
120/240 OE
120/240 OE
120/240 OE
13 /13.2KV OE
13 /13.2KV OE
13 /13.2KV OE
13 /13.2KV OE
13 /13.2KV OE
13 /13.2KV OE
13.2KV OE
13.2KV OE

EXIST. R/W
℄ CONST. CAUSEWAY LT.
PC STA. 3004+40.
WB CAUSEWAY BLVD. (SR 676)
PRC STA. 3009+16.11
EB CAUSEWAY BLVD. (SR 676)
PI STA. 4006+12.81
EXIST. R/W
℄ CONST. CAUSEWAY RT.
℄ SURVEY CAUSEWAY

3004 3005 3006 3007 3008 3009 3010 3011
4005 4006 4007 4008 4009 4010 4011 4012
257 258 259 260 261 262 263 264

OE
UNKNOWN
WM / CITY OF TAMPA
UNKNOWN
GAS / TECO
UNKNOWN
BT / FRONTIER
UNKNOWN
BT / FRONTIER
UNKNOWN
BFOC / FRONTIER
UNKNOWN
BE
UNKNOWN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (11)

SHEET NO.

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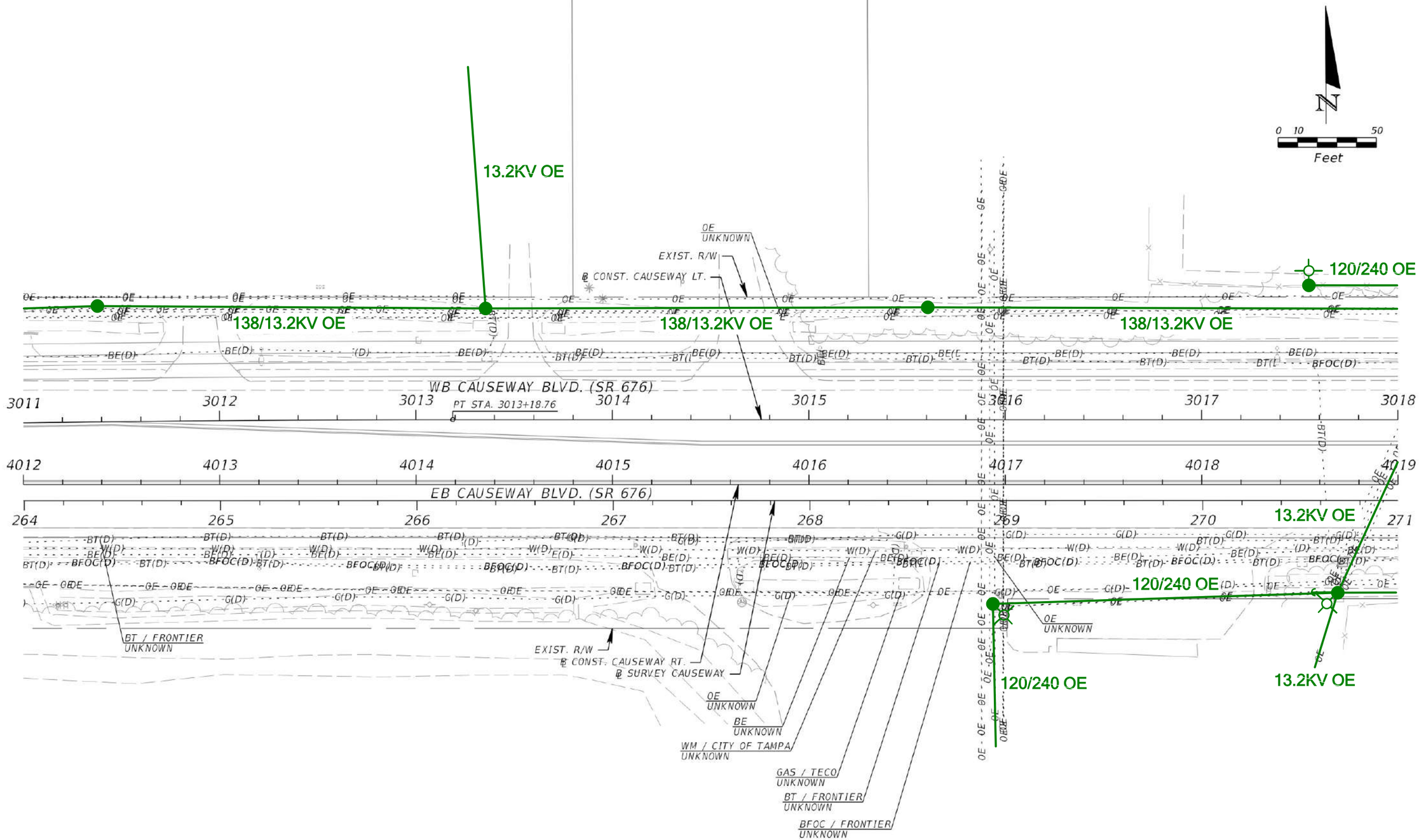

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REVISIONS			
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Engineer of Record: Branan R. Anderson, PE
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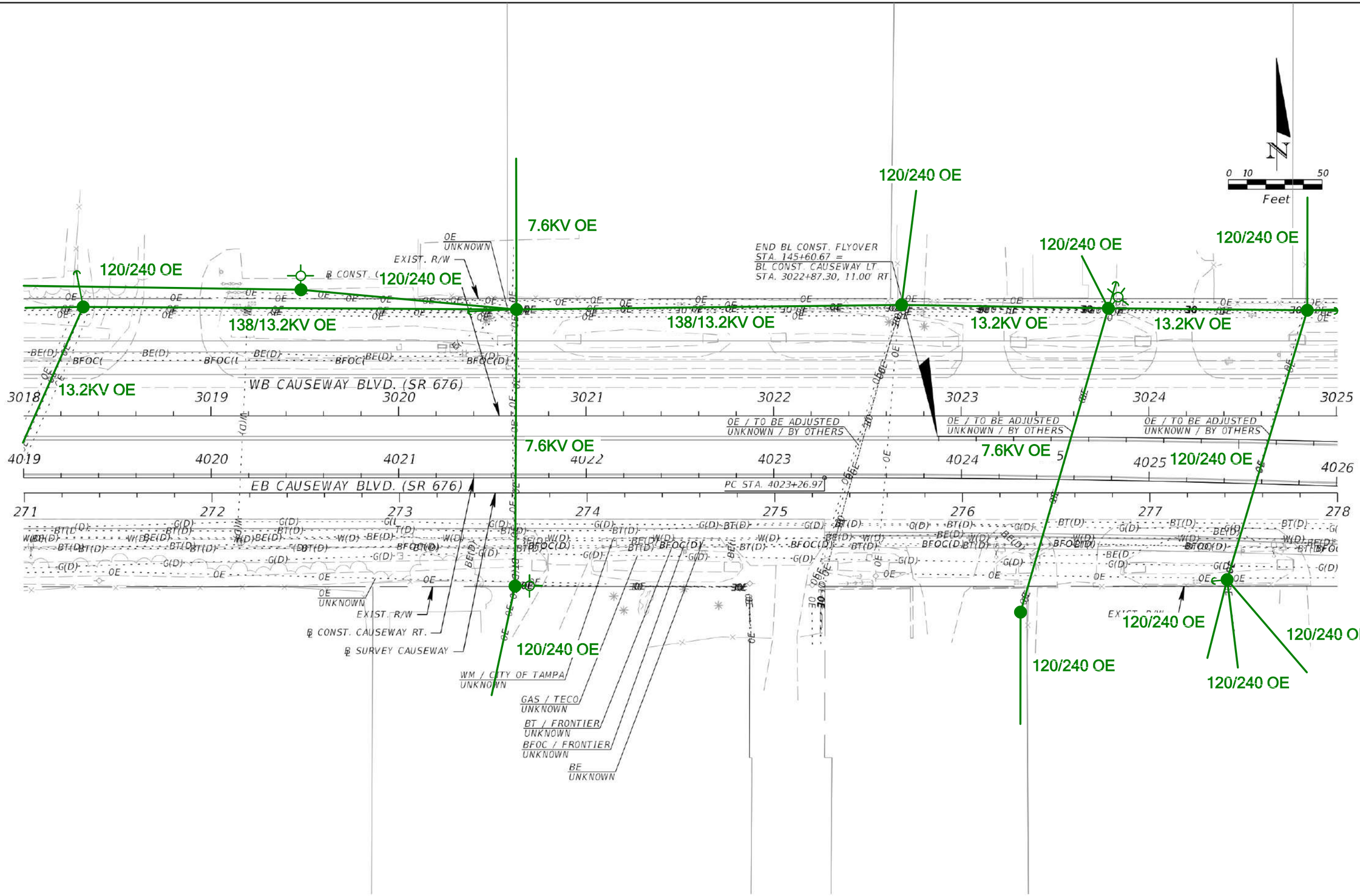
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (12)

SHEET NO.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (13)

SHEET NO.

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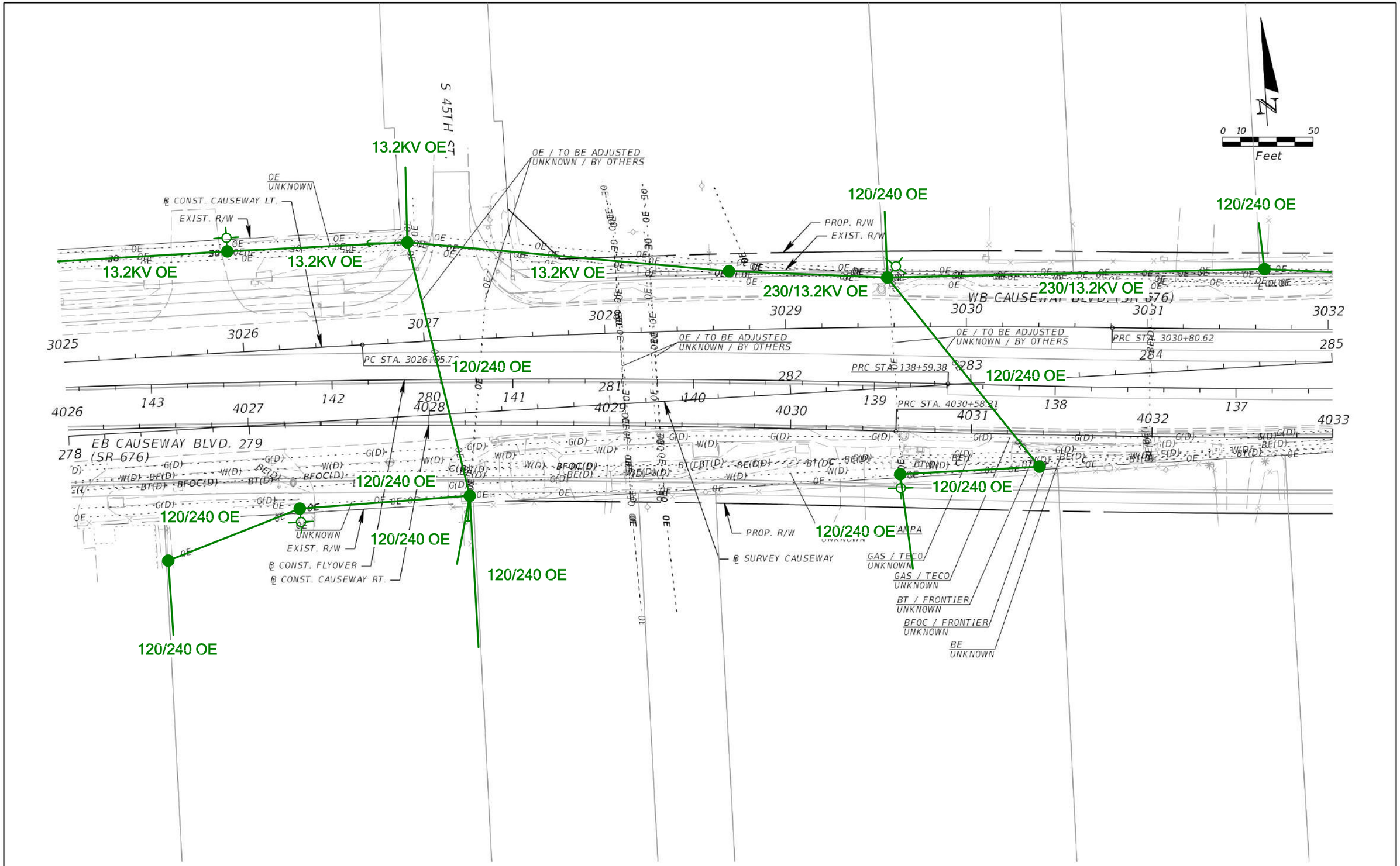

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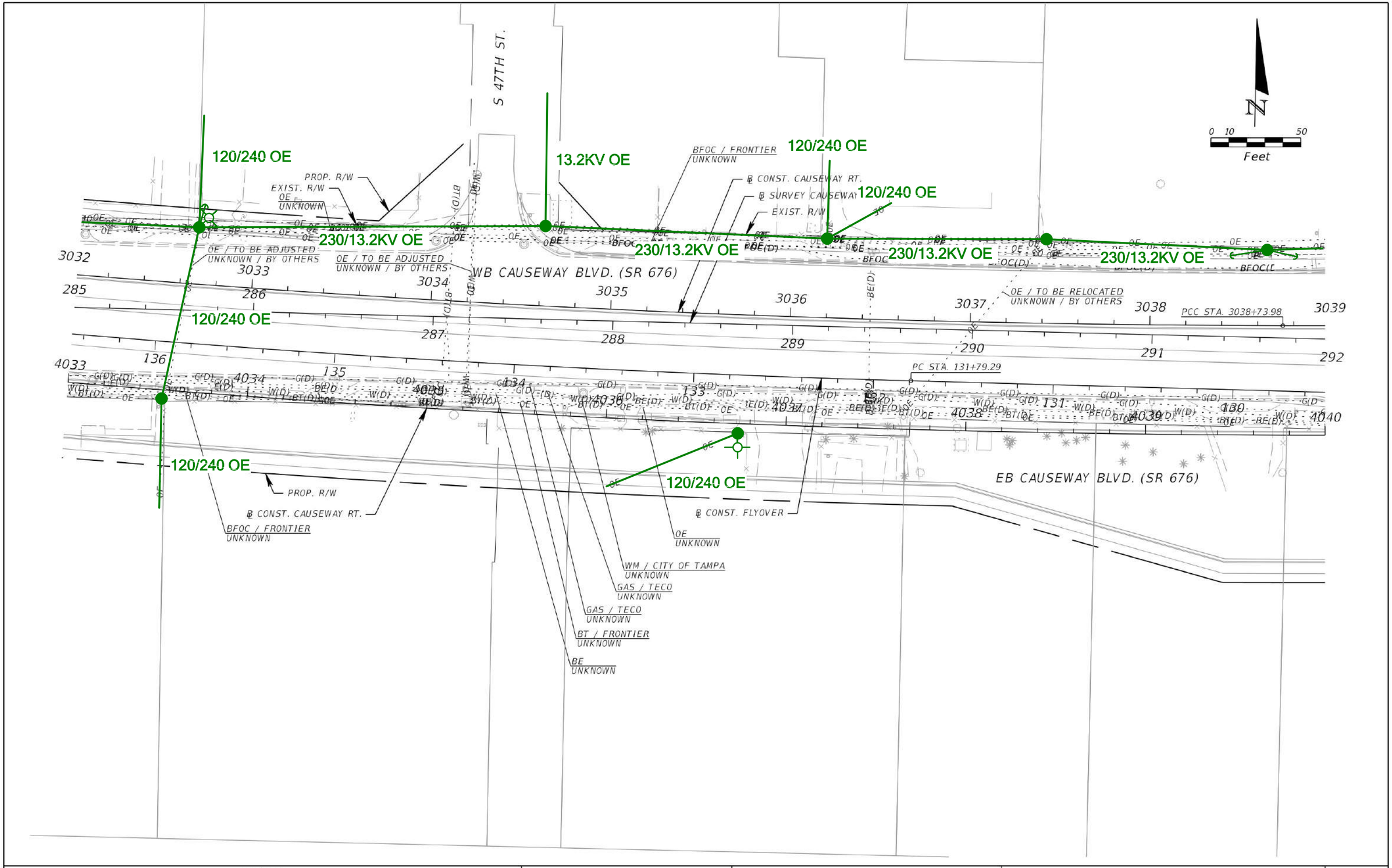
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (14)

SHEET NO.

dgrumbach 4/30/2021 11:22:18 AM Default c:\pwworkingdir\kca-pw.bentley.com_kca-pw-01\dean grumbach\dms0700\UTADRD17.dgn



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (15)

SHEET NO.

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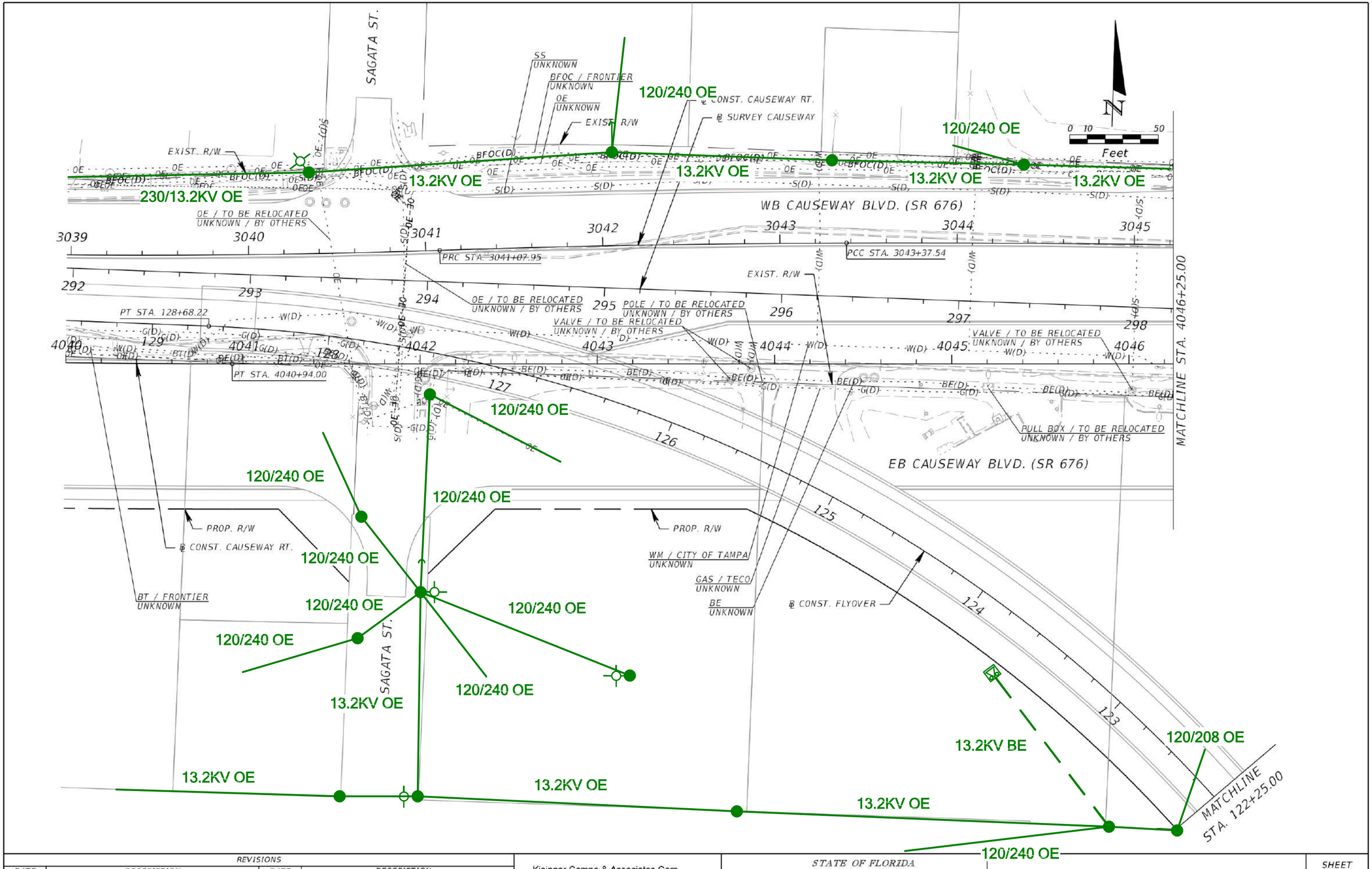

REVISIONS			
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Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (16)

SHEET NO.

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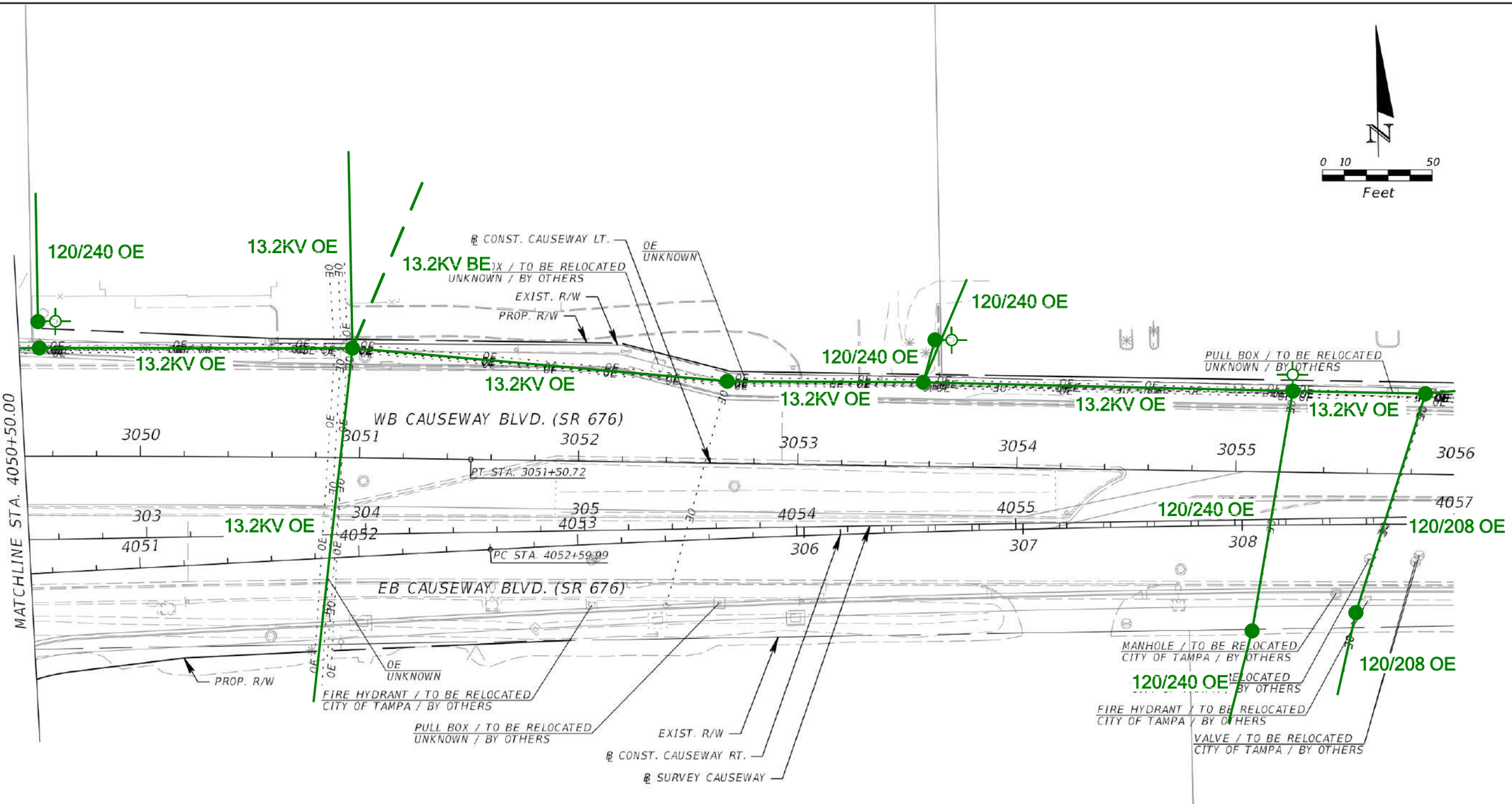

REVISIONS			
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Kisinger Campo & Associates Corp.
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Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (17)

SHEET NO.

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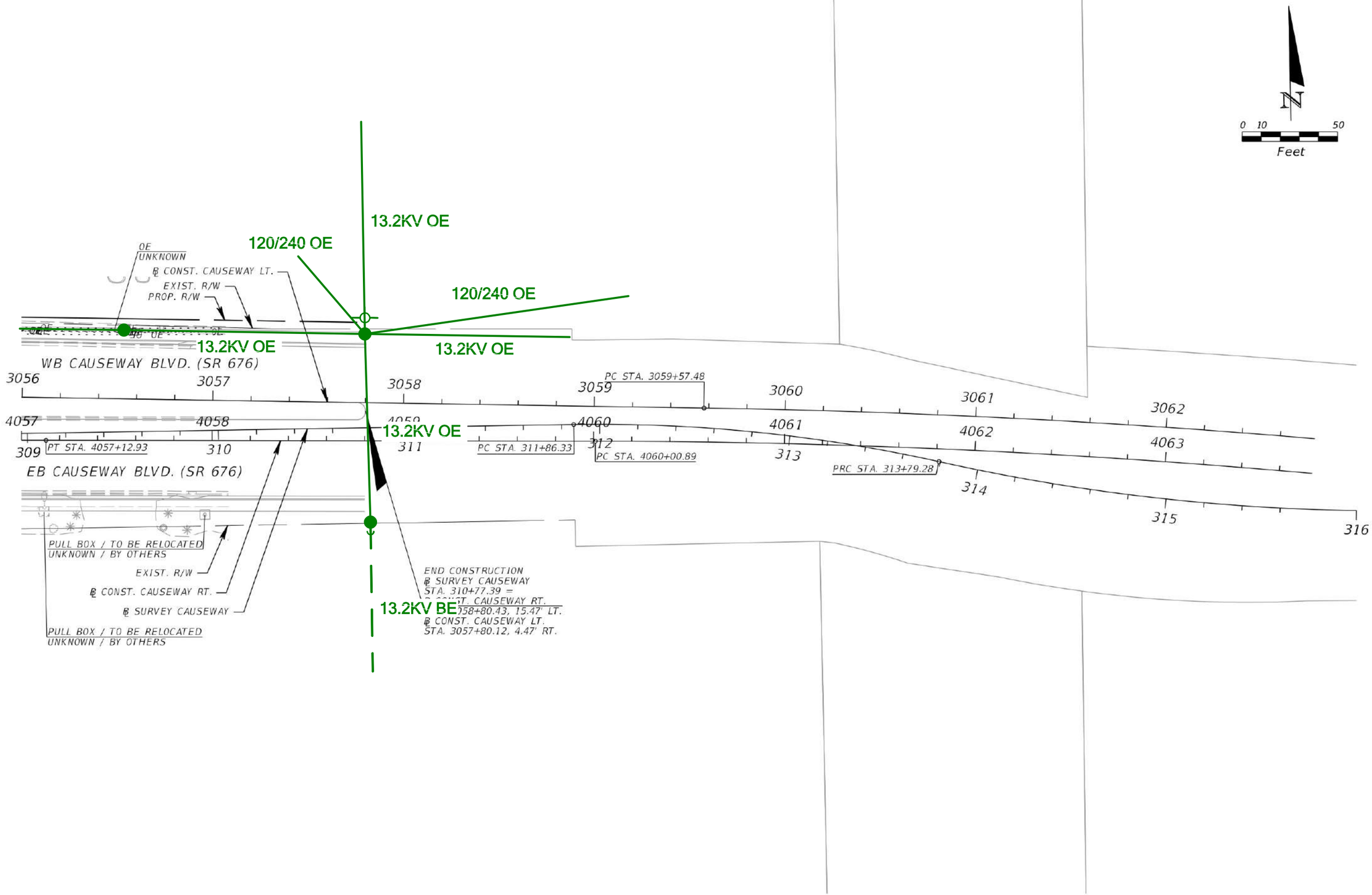

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REVISIONS			
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P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (18)

SHEET NO.

STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

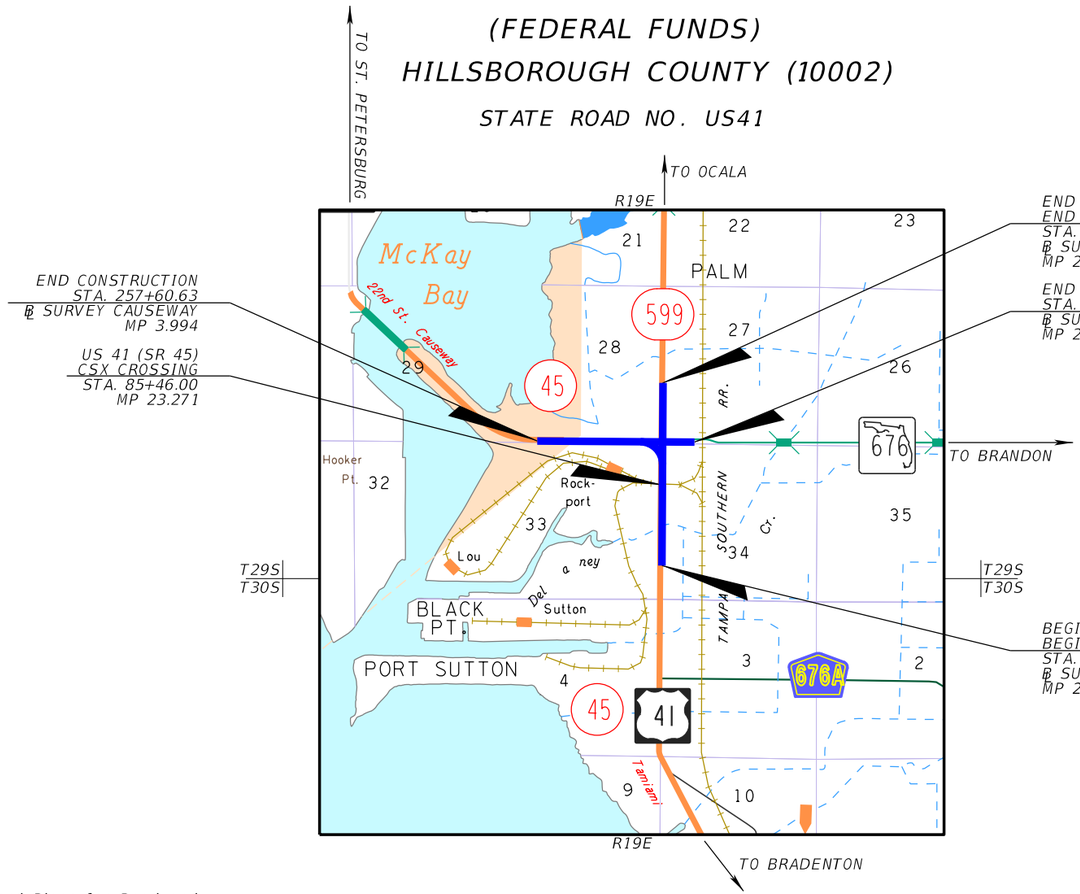
CONTRACT PLANS

FINANCIAL PROJECT ID 440749-1-52-01

(FEDERAL FUNDS)

HILLSBOROUGH COUNTY (10002)

STATE ROAD NO. US41



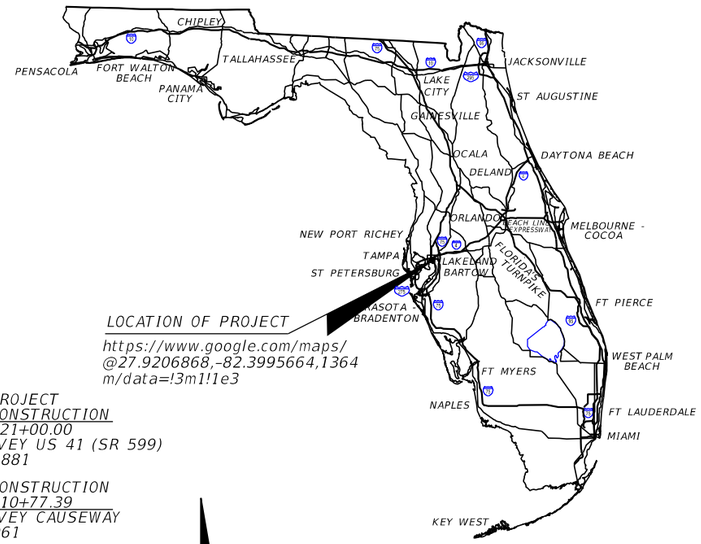
END CONSTRUCTION
STA. 257+60.63
℄ SURVEY CAUSEWAY
MP 3.994

US 41 (SR 45)
CSX CROSSING
STA. 85+46.00
MP 23.271

END PROJECT
END CONSTRUCTION
STA. 121+00.00
℄ SURVEY US 41 (SR 599)
MP 23.881

END CONSTRUCTION
STA. 310+77.39
℄ SURVEY CAUSEWAY
MP 2.961

BEGIN PROJECT
BEGIN CONSTRUCTION
STA. 58+31.17
℄ SURVEY US 41 (SR. 45)
MP 22.756



LOCATION OF PROJECT

https://www.google.com/maps/@27.9206868,-82.3995664,1364m/data=!3m1!1e3

N

0 ½ 1
Mile

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2021-22 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

APPLICABLE IRs: N/A

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

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

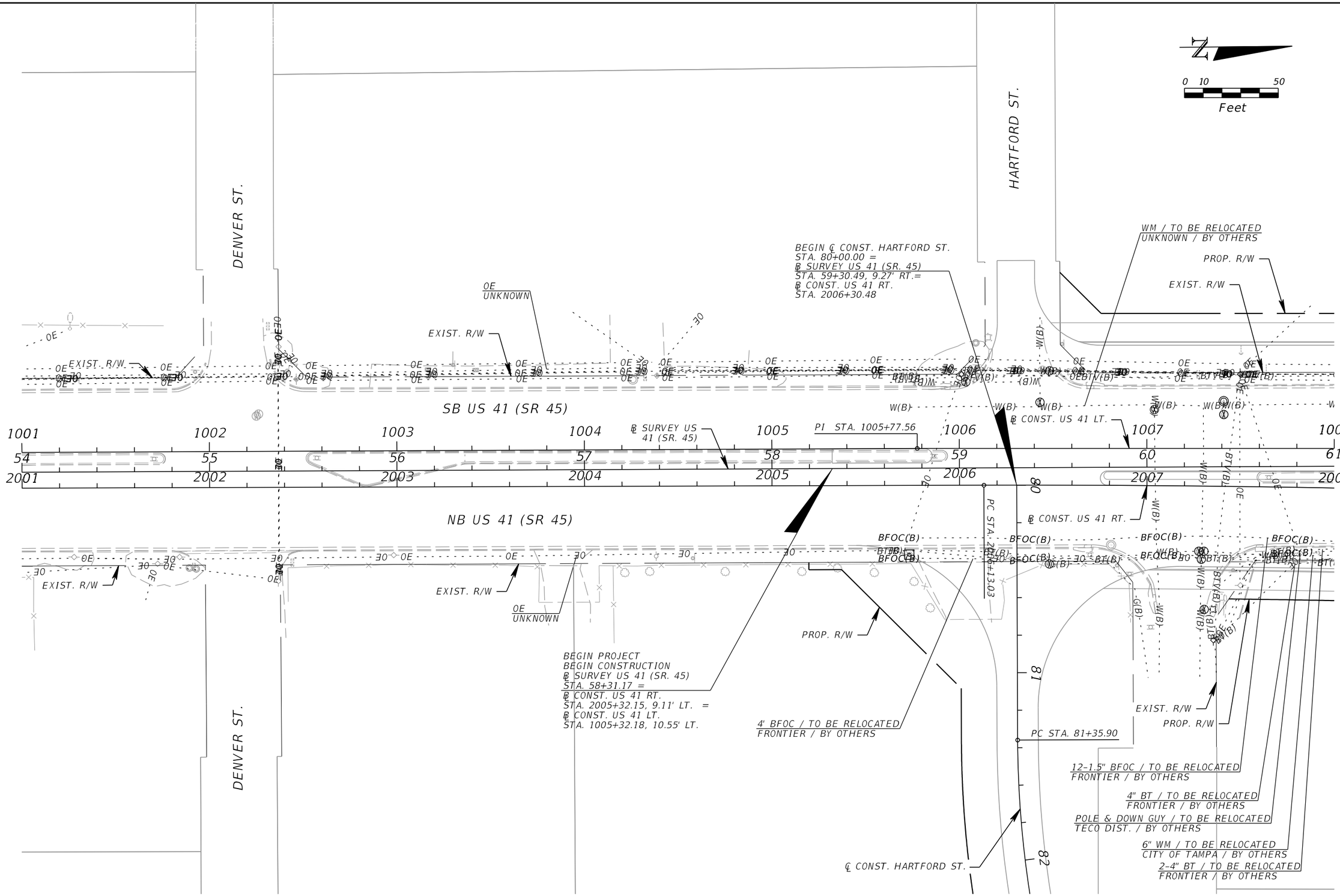
ROADWAY PLANS ENGINEER OF RECORD:

BRANAN R. ANDERSON, P.E. NO.: 78438
KISINGER CAMPO AND ASSOCIATES CORP.
CONSULTING ENGINEERS & PLANNERS
201 N. FRANKLIN STREET, SUITE 400
TAMPA, FLORIDA 33602
(813) 871-5331
VENDOR NUMBER.: F59-1677145

FDOT PROJECT MANAGER:

TIM O'BRIEN P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	21	1



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REVISIONS			
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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (1)

SHEET NO.

N

0 10 50
Feet

TRENTON ST.

BEGIN ℄ CONST. RAMP A
PC STA. 200+00.00 =
℄ SURVEY US 41 (SR. 45).
STA. 65+27.85, 51.80' LT.
℄ CONST. US 41 LT.
STA. 2012+26.37, 48.00' LT.

℄ CONST. RAMP A

PROP. R/W

EXIST. R/W

WM / TO BE RELOCATED
UNKNOWN / BY OTHERS

OE
UNKNOWN

PROP. R/W

EXIST. R/W

4" GAS / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

Vvh1-5

℄ CONST. US 41 LT.

PC STA. 1009+51.21

℄ SURVEY US
41 (SR. 45)

SB US 41 (SR 45)

200 201 202

1008 1009 1010 1011 1012 1013 1014 1015

61 62 63 64 65 66 67 68

2008 2009 2010 2011 2012 2013 2014 2015

℄ CONST. US 41 RT.

Vvh1-1
Vvh1-3
Vvh1-4
Vvh1-2

NB US 41 (SR 45)

300 301

EXIST. R/W

PROP. R/W

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

WATER METER / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

6" WM / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

HANDHOLE / TO BE RELOCATED
FRONTIER / BY OTHERS

POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS

FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

TRENTON ST.

WATER VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

OE
UNKNOWN

EXIST. R/W

BEGIN ℄ CONST. RAMP B
POT STA. 300+00.00 =
℄ SURVEY US 41 (SR. 45)
STA. 66+47.55, 78.74' RT. =
℄ CONST. US 41 RT.
STA. 2013+51.78, 36.00' RT.

PROP. R/W

℄ CONST. RAMP B

WATER METER / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

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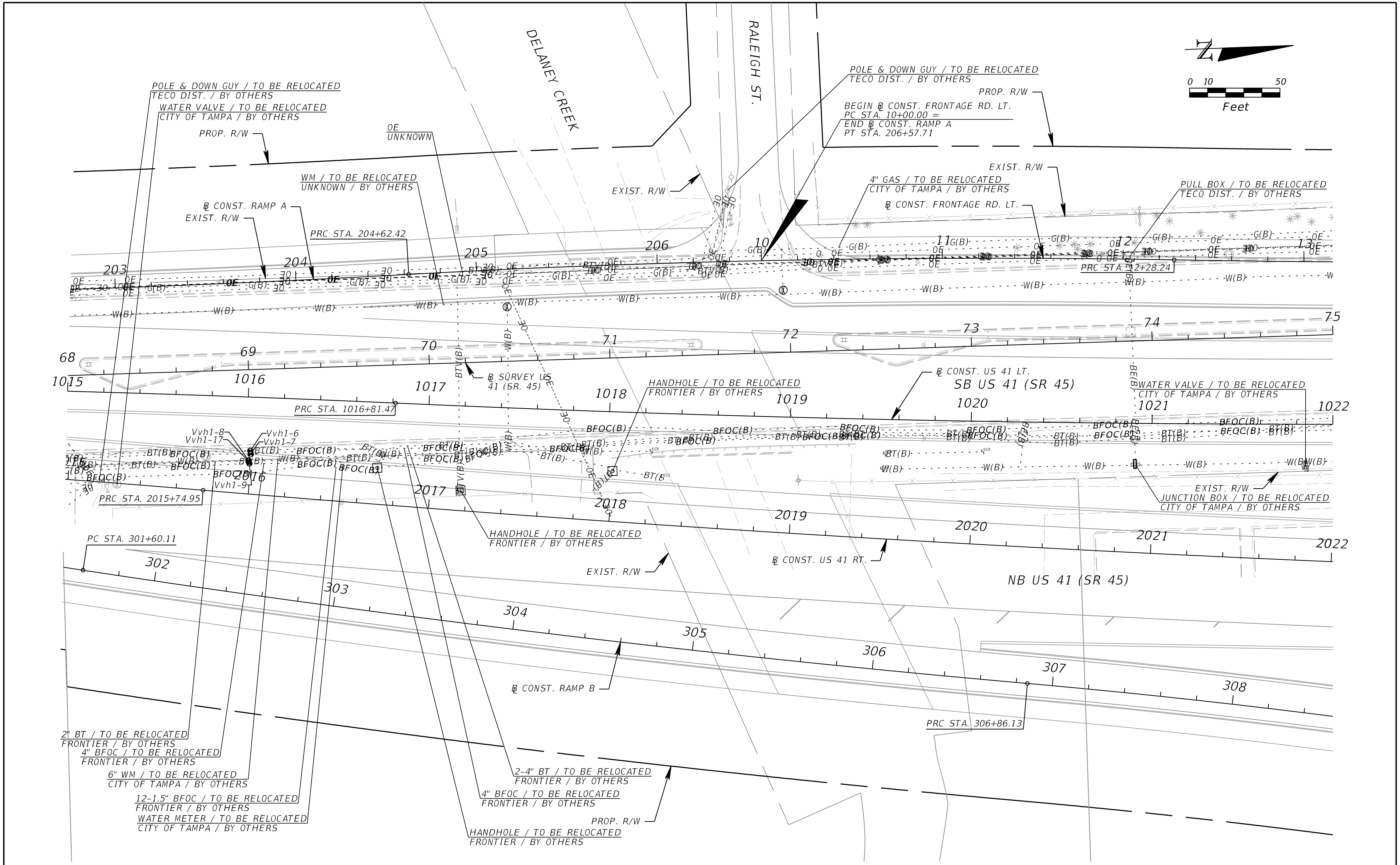
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (2)

SHEET NO.



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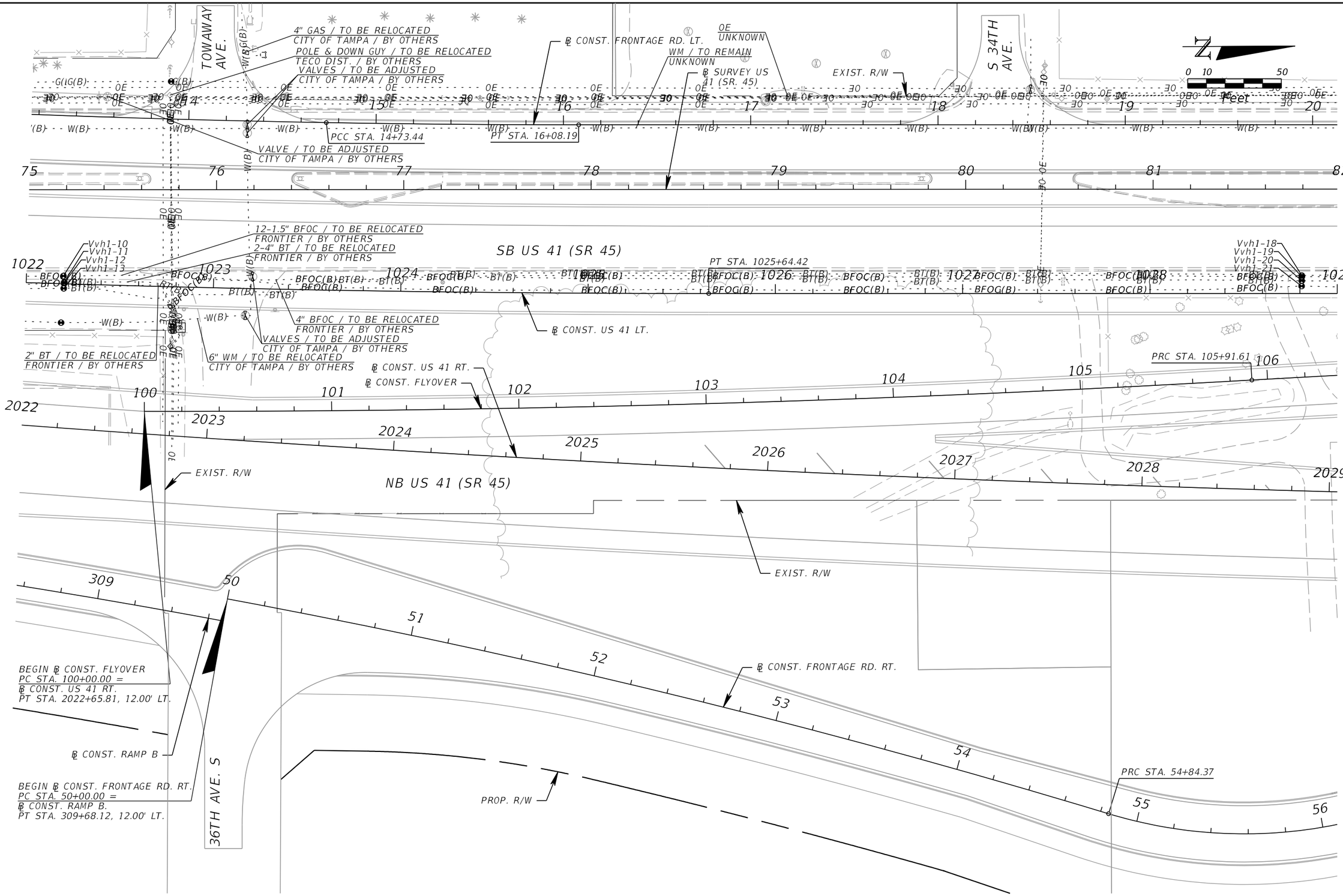
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (3)

SHEET NO.

dgrumbach 4/30/2021 11:21:53 AM Default c:\pwworkingdir\kca-pw.bentley.com_kca-pw-01\dean grumbach\dms07001\UTADRD04.dgn



REVISIONS			
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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (4)

SHEET NO.

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dgrumbach 4/30/2021 11:21:55 AM Default c:\pwworkingdir\kca-pw.bentley.com_kca-pw-01\dean grumbach\dms07001\UTADRD05.dgn

END ℄ CONST. FRONTAGE RD. RT.
STA. 61+15.96
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
4" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
WM / TO REMAIN
UNKNOWN
℄ CONST. FRONTAGE RD. LT.
BEGIN ℄ CONST. ST. PAUL ST.
STA. 70+00.00
OE
UNKNOWN
℄ SURVEY US
41 (SR. 45)
OE
UNKNOWN
MANHOLE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
PULL BOX / TO BE RELOCATED
FRONTIER / BY OTHERS
POLE & DOWN GUY / TO BE RELOCATED
TECO DIST. / BY OTHERS
VALVES / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS
Vvh1-22
Vvh1-23
EXIST. R/W
SB US 41 (SR 45)
℄ CONST. US 41 LT.
PT STA. 59+50.64
PT STA. 112+54.86
BEGIN ℄ CONST.RAMP D
POTSTA. 500+00.00 =
℄ CONST. ST. PAUL ST.
STA. 72+12.39
℄ CONST. FLYOVER
EXIST. R/W
℄ CONST. US 41 RT.
℄ CONST. RAMP D
PCC STA. 2035+28.48
NB US 41 (SR 45)
CSX CROSSING
NO. 624802A
PROP. R/W
℄ CONST. FRONTAGE RD. RT.
PROP. R/W
BEGIN ℄ CONST. RAMP C
POT STA. 400+00.00 =
℄ CONST. ST. PAUL ST.
STA. 73+42.31
PI STA. 73+87.06
ST. PAUL ST.
℄ CONST. ST. PAUL ST.
PROP. R/W
℄ CONST. RAMP C
0 10 50
SHEET

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (5)

SHEET NO.

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS
2-4" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS
℄ CONST. FRONAGE RD. LT.
STA. 30+83.05 =
℄ CONST. RAMP E.
STA. 600+00.00
℄ CONST. FRONTAGE RD. LT.
EXIST. R/W
S 31ST AVE.
OE
UNKNOWN
WM / TO BE RELOCATED
UNKNOWN / BY OTHERS
BE / TO BE RELOCATED
UNKNOWN / BY OTHERS
℄ SURVEY US
41 (SR. 45)
EXIST. R/W
℄ CONST RAMP E
PROP. R/W
PI STA. 602+38.79
℄ CONST. US 41 LT.
SB US 41 (SR 45)
PC STA. 1039+54.36
PC STA. 116+01.38
OE
UNKNOWN
℄ CONST. RAMP D
PC STA. 503+63.86
PCC STA. 506+10.32
℄ CONST. US 41 RT.
NB US 41 (SR 45)
EXIST. R/W
PT STA. 408+06.03
PC STA. 403+61.19
PCC STA. 406+57.91
END ℄ CONST RAMP C
POT STA 409+03.92 =
℄ CONST. US 41 RT.
STA. 2042+27.73
℄ CONST. RAMP C
PROP. R/W
0 10 50
Feet

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P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (6)

SHEET NO.

MATCHLINE STA. 4046+25.00

EXIST. R/W

30TH AVE. S

MATCHLINE STA. 122+25.00

℄ CONST. FLYOVER

PROP. R/W

122

121

VALVE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS

FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

WM / TO BE RELOCATED
UNKNOWN / BY OTHERS

POLE / TO BE RELOCATED
TECO DIST. / BY OTHERS

℄ CONST. RAMP E
STA. 607+06.20 =
℄ SURVEY CAUSEWAY
STA. 299+71.72

℄ SURVEY US 41 (SR. 45)
STA. 99+75.43 =
℄ CONST. CAUSEWAY RT.
STA. 4048+03.05

PI STA. 604+02.52

VALVE / TO BE ADJUSTED
CITY OF TAMPA / BY OTHERS

℄ SURVEY US
41 (SR. 45)

SB US 41 (SR 45)

BE / TO BE RELOCATED
UNKNOWN / BY OTHERS

℄ CONST. US 41 LT.

℄ CONST. RAMP D

PULL BOX / TO BE RELOCATED
FRONTIER / BY OTHERS

℄ CONST. US 41 RT.

PT STA. 512+60.55

NB US 41 (SR 45)

FIRE HYDRANT / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

PROP. R/W

12-1.5" BFOC / TO BE RELOCATED
FRONTIER / BY OTHERS

2-2" BT / TO BE RELOCATED
FRONTIER / BY OTHERS

BT / TO BE RELOCATED
UNKNOWN / BY OTHERS

END ℄ CONST. RAMP D
POT STA. 513+22.79 =
℄ CONST. US 41 RT.
STA. 2046+89.83, 16.38' LT.

VALVE / TO BE RELOCATED
CITY OF TAMPA / BY OTHERS

MATCHLINE STA. 4050+50.00

PI STA. 300+00.14

PRC STA. 1048+34.99

PRC STA. 2047+59.53

BFOC / FRONTIER
UNKNOWN
SS
UNKNOWN

PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS

℄ SURVEY US 41 (SR. 599)
STA. 101+36.88 =
℄ CONST. CAUSEWAY LT.
STA. 3047+02.40

PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS
OE
UNKNOWN

℄ SURVEY US
41 (SR. 599)

PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS

MANHOLE / TO BE RELOCATED
UNKNOWN / BY OTHERS

PULL BOX / TO BE RELOCATED
UNKNOWN / BY OTHERS

OE
UNKNOWN

℄ SURVEY CAUSEWAY
STA. 300+23.34 =
℄ CONST. US 41 LT.
STA. 1047+02.68

℄ SURVEY CAUSEWAY
STA. 300+79.91 =
℄ CONST. US 41 RT.
STA. 2047+10.05

EXIST. R/W

PROP. R/W

0 10 50
Feet

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

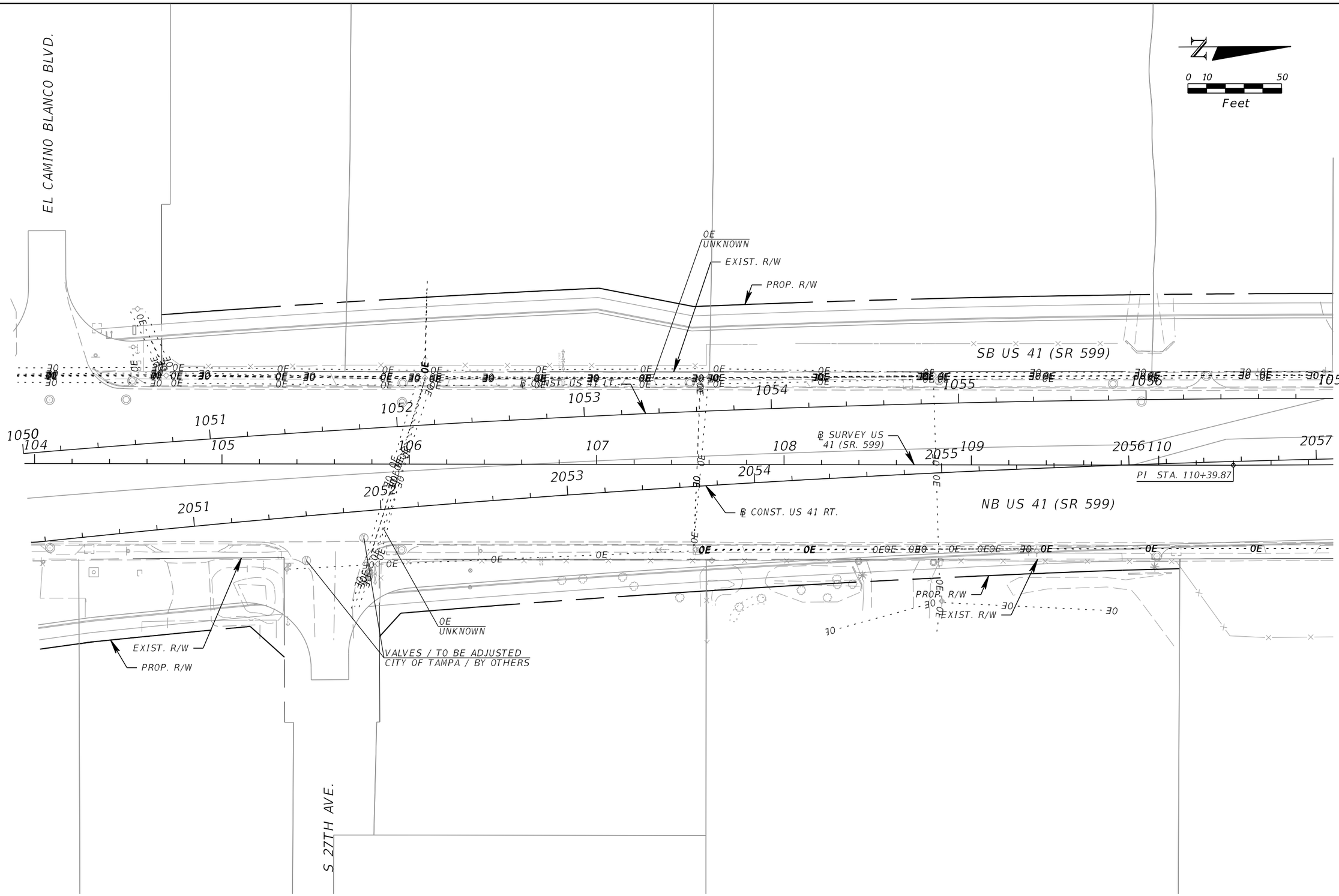
Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (7)

SHEET NO.



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (8)

SHEET NO.

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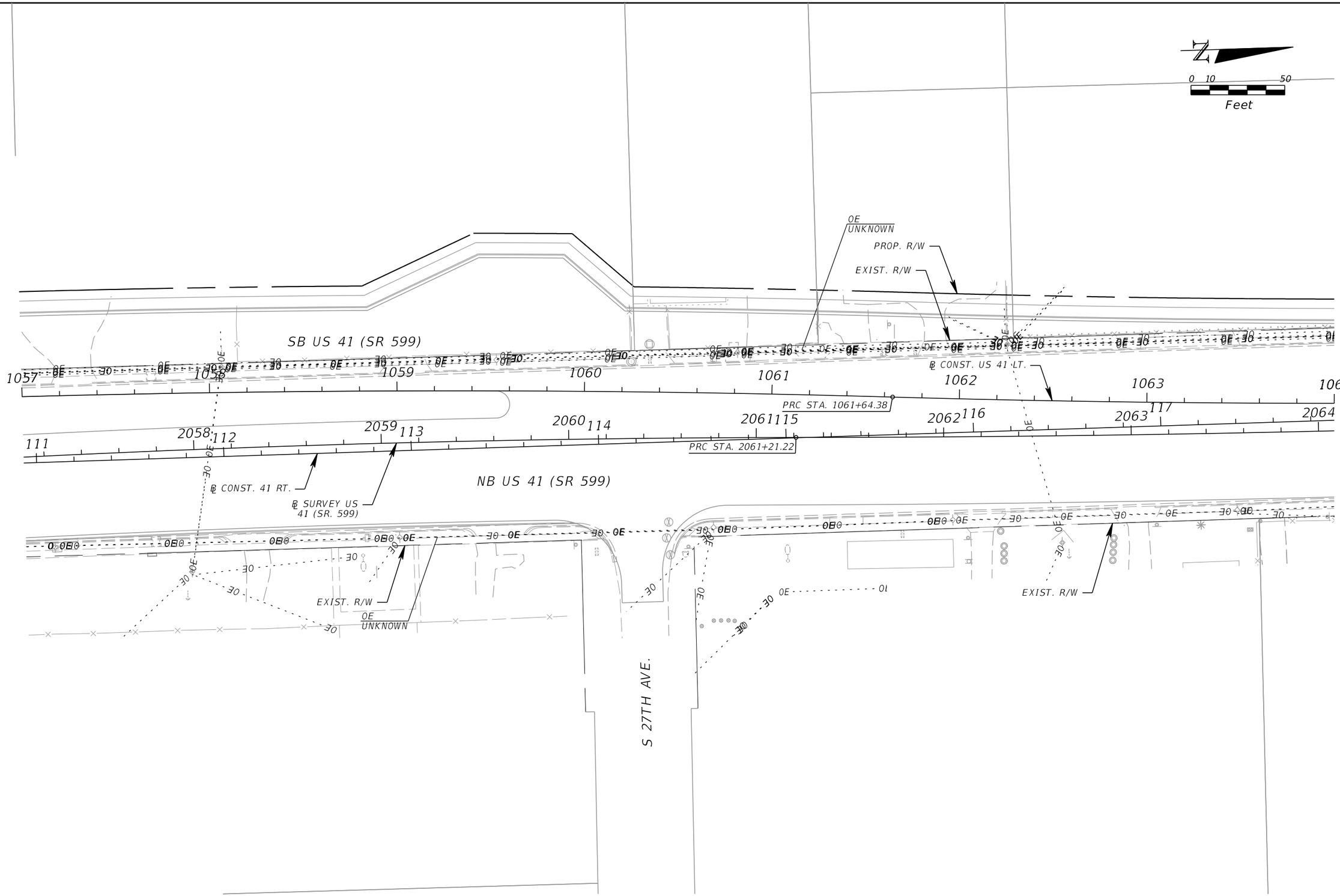

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (9)

SHEET NO.

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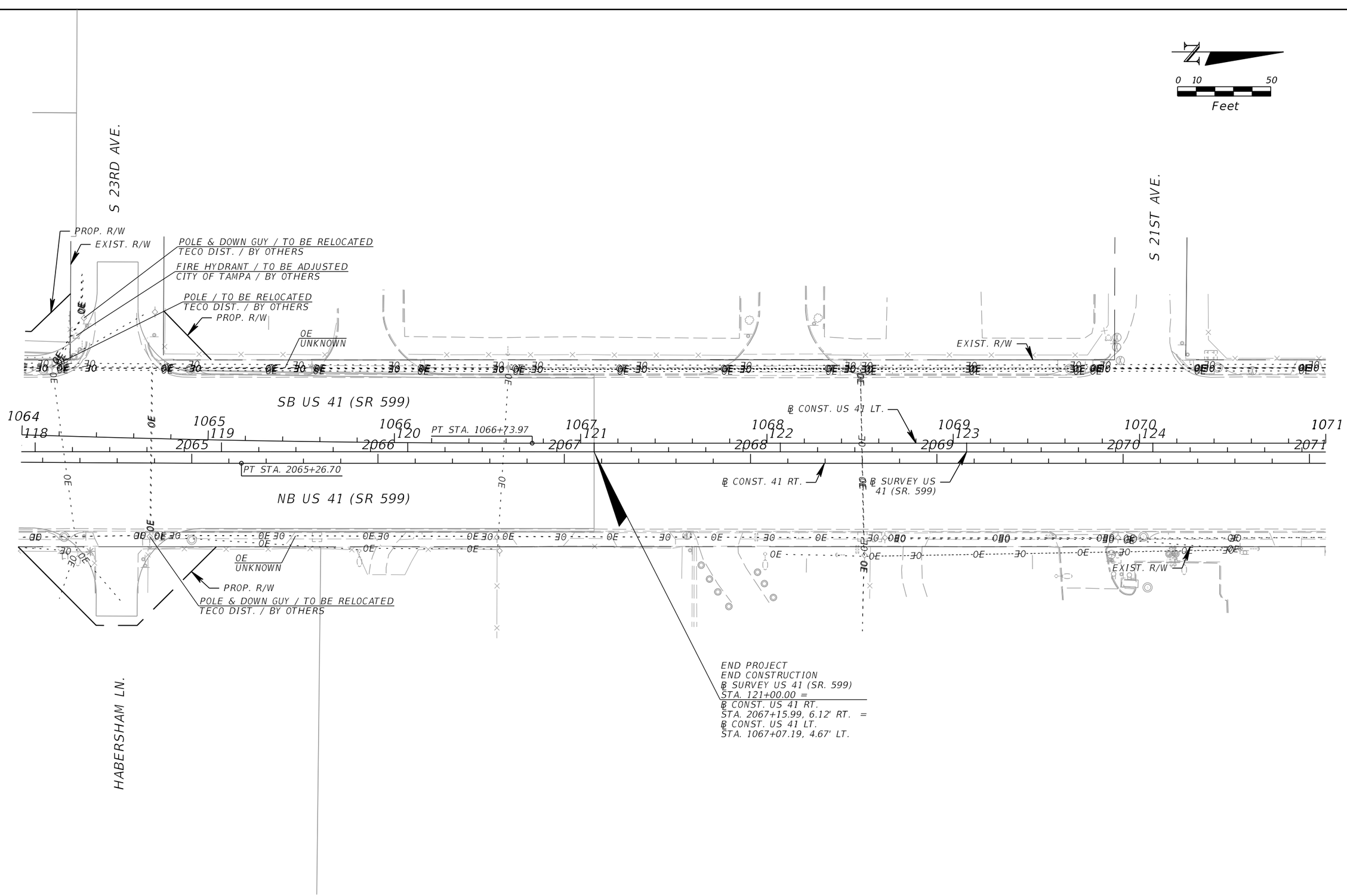

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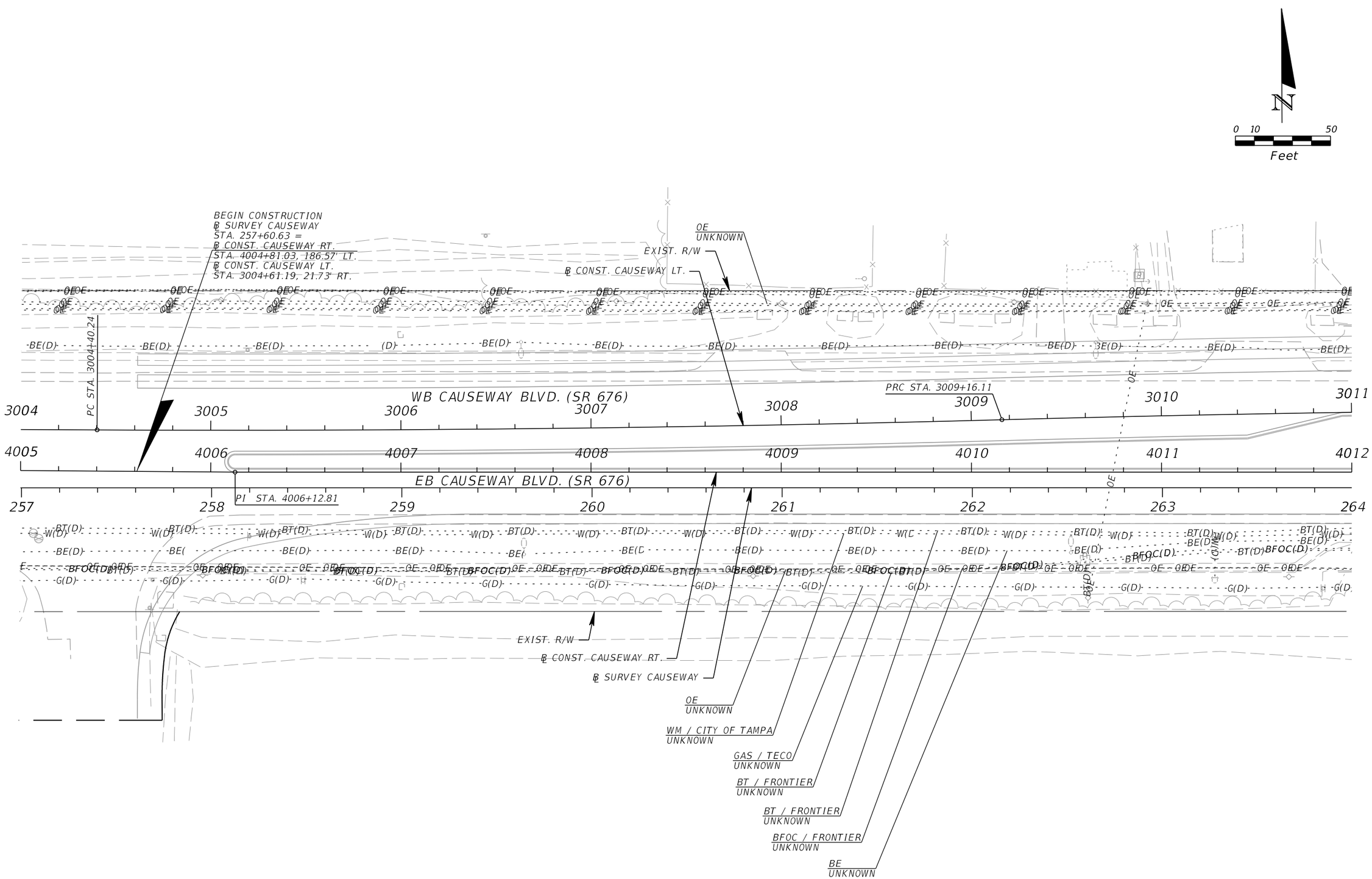
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (10)

SHEET NO.



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Engineer of Record: Branan R. Anderson, PE
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (11)

SHEET NO.

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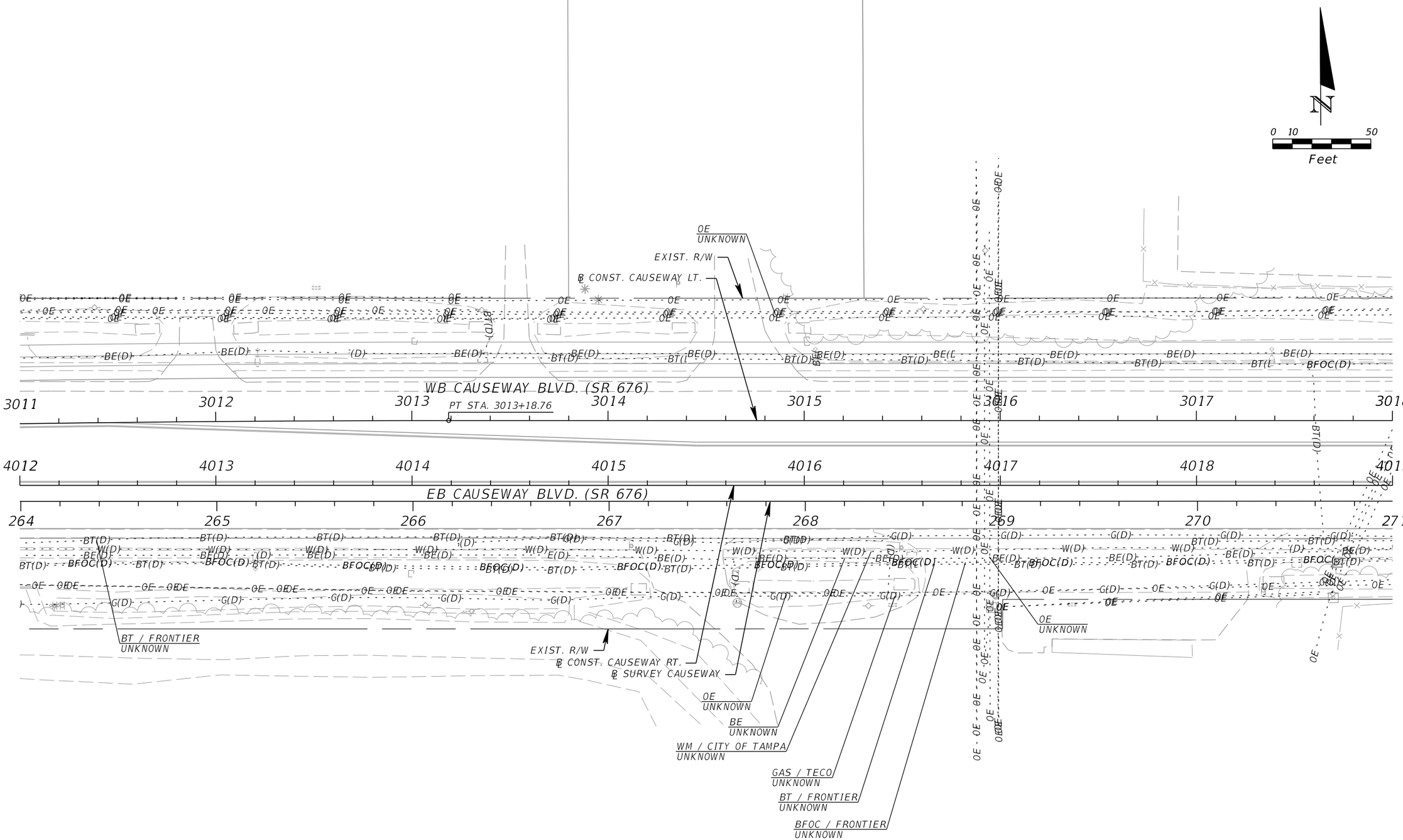

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Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
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Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (12)

SHEET NO.

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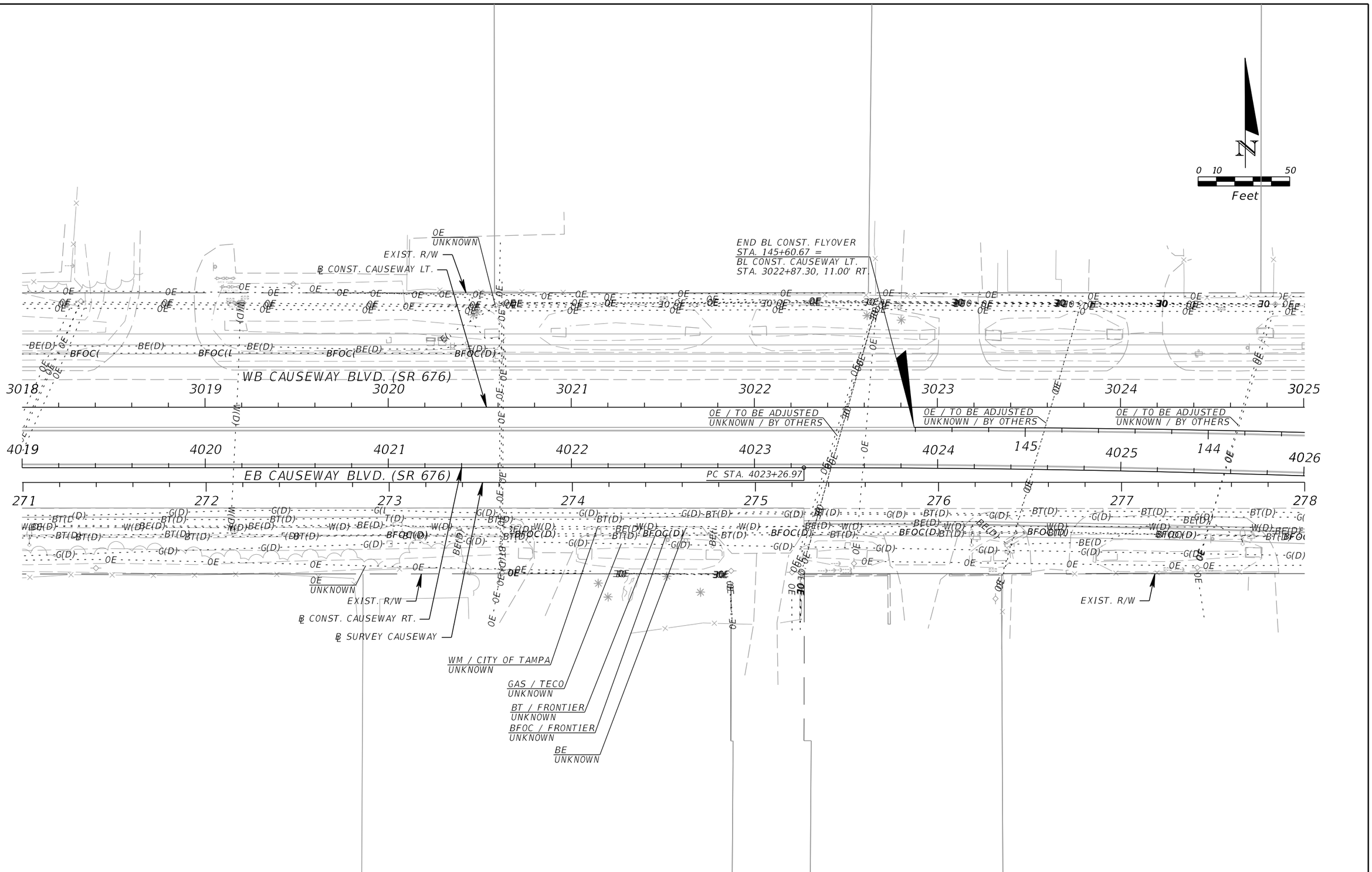

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (13)

SHEET NO.

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S 45TH ST.

EB CAUSEWAY BLVD. 279
278 (SR 676)

WB CAUSEWAY BLVD. (SR 676)

℄ CONST. CAUSEWAY LT.
EXIST. R/W
OE
UNKNOWN
PC STA. 3026+65.79
OE / TO BE ADJUSTED
UNKNOWN / BY OTHERS
PRC STA. 138+59.38
PRC STA. 4030+58.31
PRC STA. 3030+80.62
PROP. R/W
℄ SURVEY CAUSEWAY
WM / CITY OF TAMPA
UNKNOWN
GAS / TECO
UNKNOWN
BT / FRONTIER
UNKNOWN
BFOC / FRONTIER
UNKNOWN
BE
UNKNOWN
℄ CONST. FLYOVER
℄ CONST. CAUSEWAY RT.

0 10 50

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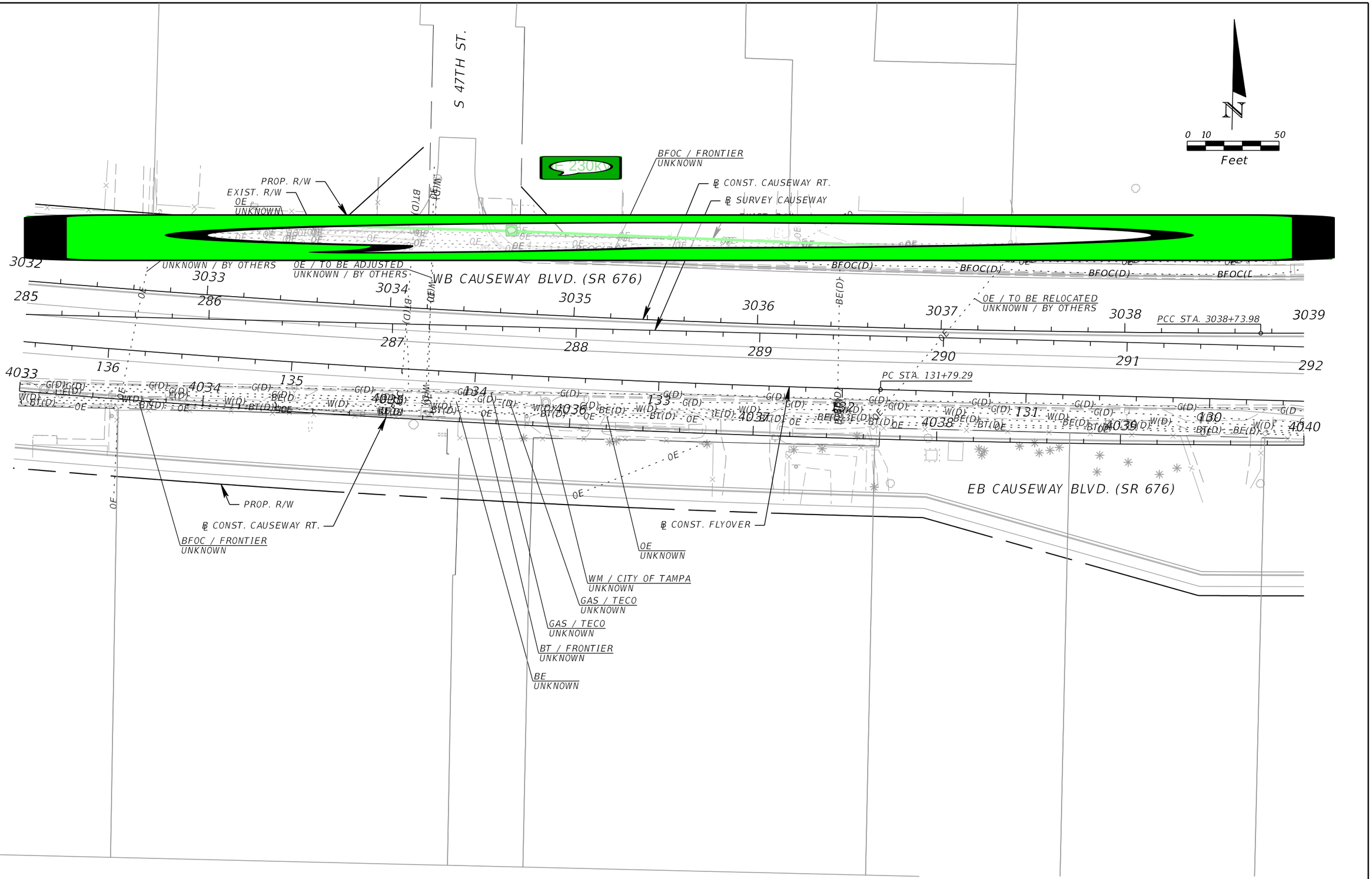
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (14)

SHEET NO.



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (15)

SHEET NO.

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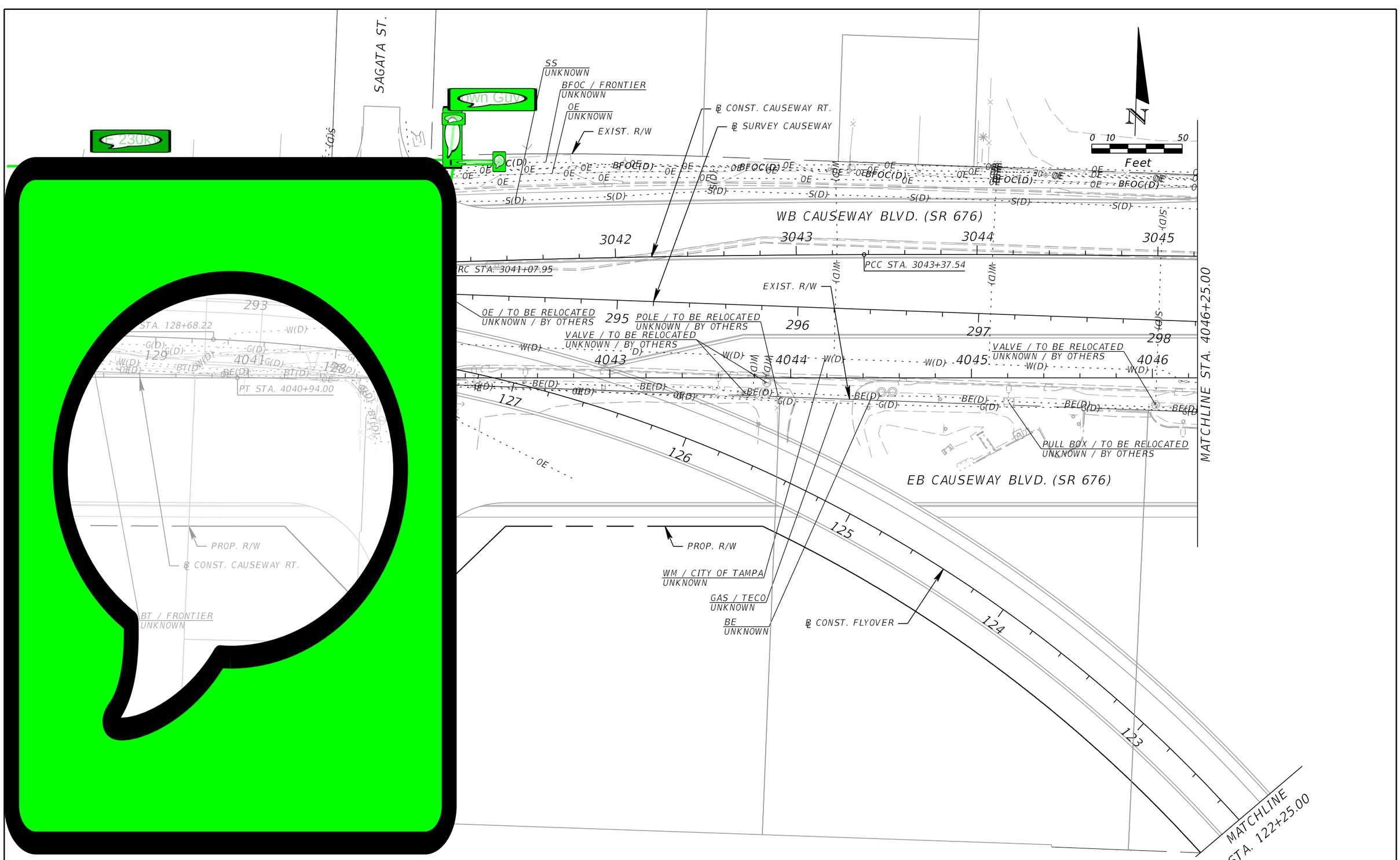

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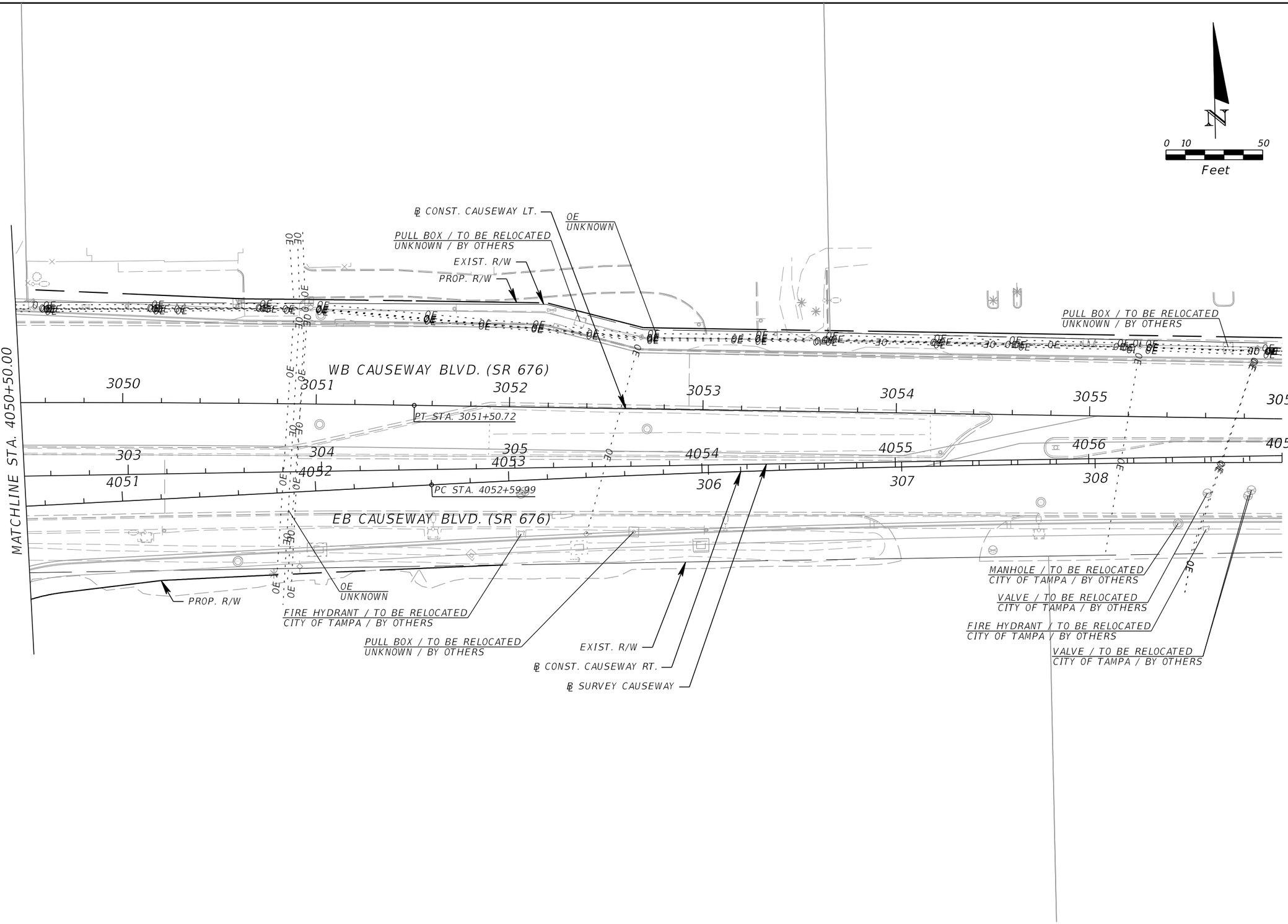
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (16)

SHEET NO.



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (17)

SHEET NO.

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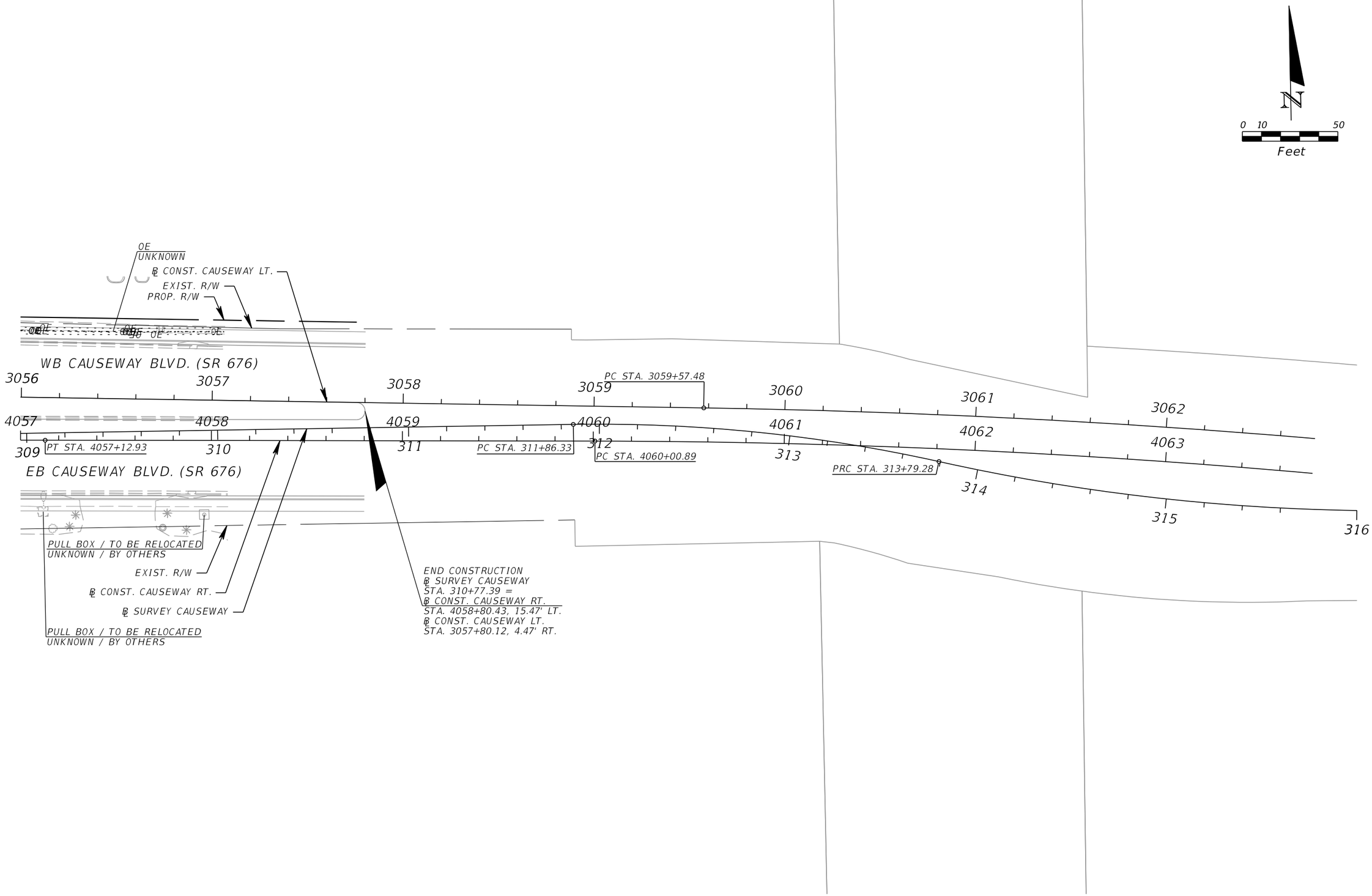

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (18)

SHEET NO.

Date:	12/04/2018	Test Hole Data Report	Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	General Location:	US 41
Truck No.:	D-3/T-2	ECHO UTILITY ENGINEERING & SURVEY	Coordinate Unit of Measure:	US Survey Feet

ECHO UES, Inc.
www.echoues.com
888.778.ECHO
- GROW, INSPIRE, MAKE A DIFFERENCE-

Utility Type			Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Horizontal: NAD83/11 Vertical: NAVD88 — Northing	Easting	Ground Elevation	Utility Elevation
1-1	BT	PVC	2 - 4"	3.26'			IRC	NG	N/A	FRONTIER	1301204.90'	526413.67'	7.51'	4.25'
1-2	WM	CI	6"	3.30'			IRC	NG	N/A	COT	1301205.19'	526416.74'	7.48'	4.18'
1-3	FOC/BT	PVC	4"	2.47'			IRC	NG	N/A	FRONTIER	1301204.95'	526415.25'	7.48'	5.01'
1-4	FOC	PE	12 - 1.5"	8.80'			IRC	NG	N/A	FRONTIER	1301205.12'	526418.96'	7.36'	-1.44'
1-5	CATV	PVC	2 - 2"	5.54'			IRC	NG	N/A	SPECTRUM	1301181.11'	526321.06'	6.85'	1.31'
1-6	BT	PVC	2 - 4"	3.44'			IRC	NG	N/A	FRONTIER	1301811.38'	526417.02'	6.84'	3.40'
1-7	FOC/BT	PVC	4"	2.42'			IRC	NG	N/A	FRONTIER	1301811.47'	526418.97'	6.84'	4.42'
1-8	WM	UNK	UNK	10.06'			IRC	NG	N/A	COT	1301810.12'	526422.34'	6.83'	-3.23'
1-9	FOC/BT	PVC	4"	3.34'			IRC	NG	N/A	FRONTIER	1301810.56'	526424.00'	6.49'	3.15'

Notes: 1-8 - Unable to visually verify size and matterial due to depth and groundwater. Possible 6" cast iron.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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DATE	DESCRIPTION	DATE	DESCRIPTION

Kisinger Campo & Associates Corp.
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (19)

SHEET NO.

Date:	12/05/2018	Test Hole Data Report	Crew Members:	DW, TG
ECHO Project #:	18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618	City, State:	Tampa, Florida
Financial Project #:	N/A	1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	General Location:	US 41
Truck No.:	D-3/T-2	ECHO UTILITY ENGINEERING & SURVEY	Coordinate Unit of Measure:	US Survey Feet

ECHO UES, Inc.
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888.778.ECHO
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Utility Type			Utility Material		Identified By:	Abbreviations	Offset Measured From:
BE = Buried Electrical	RW = Reclaimed Water		AC = Transite	FIBG = Fiberglass	HUB = Survey Hub	N/A = Not Applicable	EP= Edge of Pavement
GM = Gas Main	SL = Street Light		CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal		CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line		DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
WM = Water Main	GS = Gas Service		CMP = Corrugated Metal Pipe	STL = Steel	X = "X" in Concrete		CL = Centerline
SAN = Sanitary Sewer	WS = Water Service		CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility		CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct		DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct		DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	Utility Direction (N)	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Northing	Datums: Easting (Horizontal: NAD83/11, Vertical: NAVD88)	Ground Elevation	Utility Elevation
1-10	FOC	PE	12 - 1.5"	3.96'			IRC	NG	N/A	FRONTIER	1302430.03'	526421.52'	6.62'	2.66'
1-11	BT	PVC	2 - 4"	2.50'			IRC	NG	N/A	FRONTIER	1302430.50'	526424.77'	6.68'	4.18'
1-12	FOC/BT	PVC	4"	1.90'			IRC	NG	N/A	FRONTIER	1302430.47'	526425.15'	6.69'	4.79'
1-13	BT	DBC	2"	1.56'			IRC	NG	N/A	FRONTIER	1302430.15'	526428.11'	6.81'	5.25'
1-14	WM	DIP	6"	3.40'			IRC	NG	N/A	COT	1302428.62'	526446.38'	8.20'	4.80'
1-15	GM	STL	4"	3.00'			IRC	NG	N/A	COT	1302488.18'	526318.06'	6.08'	3.08'
1-16	BT	PVC	4"	3.50'			IRC	NG	N/A	FRONTIER	1301205.22'	526417.96'	7.50'	4.00'
1-17	BT	DBC	2"	3.00'			IRC	NG	N/A	FRONTIER	1301810.09'	526422.72'	6.80'	3.80'

Notes:

Prepared by: EE *Date: 02/12/2019*

Checked by: AB *Date: 02/12/2019*

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201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Engineer of Record: Branan R. Anderson, PE
P.E. No.: 78438

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	HILLSBOROUGH	440749-1-52-01

UTILITY ADJUSTMENTS (20)

SHEET NO.

Date: 12/06/2018	**Test Hole Data Report**		**Crew Members:** DW, TG, MAJ
ECHO Project #: 18-252	16514 N. Dale Mabry Hwy. Tampa, Florida 33618 1511 E. SR434, Ste. 2001, #252 Winter Springs, Florida 32708	ECHO UTILITY ENGINEERING & SURVEY **ECHO UES, Inc.** **www.echoues.com** **888.778.ECHO** **- GROW, INSPIRE, MAKE A DIFFERENCE-**	**City, State:** Tampa, Florida
Financial Project #: N/A			**General Location:** US 41
Truck No.: D-3/T-2			**Coordinate Unit of Measure:** US Survey Feet

Utility Type		Utility Material		Identified By:	Abbreviations	Offset Measured From:
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GM = Gas Main	SL = Street Light	CI= Cast Iron	HDPE = High Density Polyethylene Pipe	IRC = Iron Rod & Cap "ECHO TEST HOLE"	NAD = North American Datum	BC = Back of Curb
BT = Buried Telephone	TS = Traffic Signal	CP = Concrete Pipe	PE = Polyethylene Pipe	NL = Nail & Disk "ECHO TEST HOLE"		BL = Baseline of Survey
FOC = Fiber Optic Cable	FL = Fuel Line	DBC = Direct Buried Cable	PVC = Polyvinyl Chloride	SLEEVE = Sleeve	NAVD = North American Vertical Datum	COORD = Survey Coordinates
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SAN = Sanitary Sewer	WS = Water Service	CONC = Concrete	VCP = Vitrified Clay Pipe	**Surface Type**	UNK = Unknown	HUB = Survey Hub
STM = Storm Sewer	UNK = Unknown Utility	CPP = Corrugated Plastic Pipe	PCCP = Prestressed Cylinder Concrete Pipe	ASPH = Asphalt	COT = City of Tampa	RW = Right of Way
CATV = Cable Television	BED = Buried Electrical Duct	DCT = Duct		CONC = Concrete		ST = Swing Ties
FM = Force Main	BTD = Buried Telephone Duct	DIP = Ductile Iron Pipe	RCP = Reinforced Concrete Pipe	NG = Natural Ground		X = "X" in Concrete

Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	N Utility Direction	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums: Horizontal: NAD83/11 Northing	Vertical: NAVD88 Easting	Ground Elevation	Utility Elevation
1-18	BT	PVC	2 - 4"	3.82'			IRC	NG	N/A	FRONTIER	1303091.15'	526425.13'	7.04'	3.22'
1-19	FOC/BT	PVC	4"	2.54'			IRC	NG	N/A	FRONTIER	1303091.17'	526425.73'	6.99'	4.45'
1-20	BT	LEAD	2 - 2"	3.00'			IRC	NG	N/A	FRONTIER	1303091.09'	526427.92'	6.86'	3.86'
1-21	FOC	UNK	12 - 1.5"	9.22'			IRC	NG	N/A	FRONTIER	1303091.01'	526430.76'	6.58'	-2.64'
1-22	BT	LEAD	2 - 2"	2.00'			IRC	NG	N/A	FRONTIER	1303695.15'	526432.46'	6.77'	4.77'
1-23	BT	PVC	2 - 4"	2.76'			IRC	NG	N/A	FRONTIER	1303695.20'	526433.46'	6.70'	3.94'
1-24	BT	LEAD	2 - 2"	2.74'			IRC	NG	N/A	FRONTIER	1304500.45'	526435.53'	7.28'	4.54'

Notes: 1-21 - Unable to visually verify size and material due to depth and groundwater. Possibly 12 - 1.5" polyethylene pipes.

Prepared by: EE ***Date: 02/12/2019***

Checked by: AB ***Date: 02/12/2019***

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

APPENDIX C
Utility Impact Table

Utility Name	Utility Description	Proposed Work in Utility Location	Conflict Location
Century Link	12-1/5” HDPE	Sidwalk installation	Eastern us 41 ROW throughout project extent
Century Link	12-1/5” HDPE	Bridge construction	Eastern us 41 ROW throughout project extent
Century Link	12-1/5” HDPE	Roadway change to at-grade	Eastern us 41 ROW throughout project extent
Century Link	12-1/5” HDPE	Roadway change to on MSE	Eastern us 41 ROW throughout project extent
Century Link	12-1/5” HDPE	Roadway milling and resurfacing	Eastern us 41 ROW throughout project extent
Century Link	12-1/5” HDPE	ROW change	Eastern us 41 ROW throughout project extent
COT Water	B1-2-07: 24” EMJ and ECJ	Roadway change to at-grade	South-bound lane of US 41 from southern project terminus to Delaney Creek
COT Water	B1-2-07: 24” EMJ and ECJ	Bridge construction	South-bound lane of US 41 at Delaney Creek Intersection
COT Water	B1-2-07: 24” EMJ and ECJ	Roadway change to on MSE	South-bound lane of US 41 from Delaney Creek to S 36th Ave
COT Water	B1-2-07: 24” EMJ and ECJ	Bridge construction	South-bound lane of US 41 at the S 36th Ave. intersection
COT Water	B1-2-07: 24” EMJ and ECJ	Roadway change to at-grade	South-bound lane of US 41 and S 36th Ave. intersection
COT Water	B1-2-07: 24” EMJ and ECJ	Roadway change to on MSE	South-bound lane of US 41 from S 36th Ave. to sta. 2032
COT Water	B1-2-07: 24” EMJ and ECJ	Bridge construction	South-bound lane of US 41 at the St. Paul St. intersection
COT Water	B1-2-07: 24” EMJ and ECJ	Roadway change to at-grade	South-bound lane of US 41 at the St. Paul St. intersection
COT Water	B1-2-07: 24” EMJ and ECJ	Roadway change to on MSE	South-bound lane of US 41 from St. Paul St. to S 30th Ave.
COT Water	B1-2-07: 24” EMJ and ECJ	Roadway change to at-grade	Approx. US 41 centerline from S 30th Ave to S 25th Ave.; east side of US 41
COT Water	B1-2-07: 24” EMJ and ECJ	Roadway milling and resurfacing	Approx. US 41 centerline from S 25th Ave. to nothern project terminus
COT Water	B1-2-07: 24” EMJ and ECJ	Bridge construction	US 41 and Delaney Creek intersection; west side of road
COT Water	C76-20-1: 2” EMJ	Roadway change to at-grade	US 41 western ROW from sta. 1005+60 to 1006+40 (Hartford St.)
COT Water	C76-20-1: 2” EMJ	Sidwalk installation	US 41 western ROW from sta. 1005+60 to 1006+40 (Hartford St.)
COT Water	C76-20-1: 2” EMJ	ROW change	US 41 western ROW from sta. 1005+60 to 1006+40 (Hartford St.)
COT Water	C76-20-1: 6” DIP	Roadway change to at-grade	Extension west from US 41 south-bound lane at sta. 1006+45 (Hartford St.)
COT Water	C76-20-1: 6” DIP	Sidwalk installation	Extension west from US 41 south-bound lane at sta. 1006+45 (Hartford St.)
COT Water	C76-20-1: 6” DIP	ROW change	Extension west from US 41 south-bound lane at sta. 1006+45 (Hartford St.)
COT Water	FC22-70: 8” ECJ	Roadway change to at-grade	US 41 and Austin St. intersection
COT Water	FC22-70: 8” ECJ	Sidwalk installation	US 41 and Austin St. intersection
COT Water	FC22-70: 8” ECJ	ROW change	US 41 and Austin St. intersection
COT Water	FC33-29: 12” ECJ	Roadway change to at-grade	US 41 and Austin St. intersection
COT Water	FC33-29: 12” ECJ	Sidwalk installation	US 41 and Austin St. intersection
COT Water	FC33-29: 12” ECJ	ROW change	US 41 and Austin St. intersection
COT Water	FC22-70: 8” ECJ	Roadway change to at-grade	US 41 and Austin St. intersection
COT Water	FC22-70: 8” ECJ	Sidwalk installation	US 41 and Austin St. intersection
COT Water	FC22-70: 8” ECJ	ROW change	US 41 and Austin St. intersection
COT Water	FC22-70: 6” ECJ	Roadway change to at-grade	Eastern ROW and north-bound lane of US 41 from sta. 1007 to 1017+40

COT Water	FC22-70: 6” ECJ	Sidwalk installation	Eastern ROW and north-bound lane of US 41 from sta. 1007 to 1017+40
COT Water	FC22-70: 6” ECJ	ROW change	Eastern ROW and north-bound lane of US 41 from sta. 1007 to 1017+40
COT Water	FC39-100: 8” ECJ	Roadway change to at-grade	US 41 and Raleigh St. intersection; west side of US 41
COT Water	FC39-100: 8” ECJ	Roadway change to on MSE	US 41 and Raleigh St. intersection; west side of US 41
COT Water	FC39-100: 8” ECJ	Sidwalk installation	US 41 and Raleigh St. intersection; west side of US 41
COT Water	FC39-100: 8” ECJ	ROW change	US 41 and Raleigh St. intersection; west side of US 41
COT Water	FC39-100: 8” ECJ	Curb returns increased for WB-62FL	US 41 and Raleigh St. intersection; west side of US 41
COT Water	C5-1-29: 14-16” steel casing	Roadway change to at-grade	US 41 crossing at sta. 1020+80
COT Water	C5-1-29: 14-16” steel casing	Roadway change to on MSE	US 41 crossing at sta. 1020+80
COT Water	C5-1-29: 14-16” steel casing	Sidwalk installation	US 41 crossing at sta. 1020+80
COT Water	C5-1-29: 14-16” steel casing	ROW change	US 41 crossing at sta. 1020+80
COT Water	C5-1-29: 14-16” steel casing	Curb returns increased for WB-62FL	US 41 crossing at sta. 1020+80
COT Water	F13-4-72: 4” DIP	Sidwalk installation	US 41 eastern ROW from sta. 1019+60 to 1022
COT Water	F13-4-72: 4” DIP	Roadway change to on MSE	US 41 eastern ROW from sta. 1019+60 to 1022
COT Water	A14-4-69: 6” DIP	Sidwalk installation	US 41 and Towaway Ave. in the eastern US 41 ROW
COT Water	A14-4-69: 6” DIP	Roadway change to at-grade	US 41 and Towaway Ave. in the eastern US 41 ROW
COT Water	A14-4-69: 6” DIP	Bridge construction	US 41 and Towaway Ave. in the eastern US 41 ROW
COT Water	A15-1-04: 6” DIP	Sidwalk installation	US 41 western ROW at sta. 1014+80
COT Water	A15-1-04: 6” DIP	Roadway change to at-grade	US 41 western ROW at sta. 1014+80
COT Water	A15-1-04: 6” DIP	ROW change	US 41 western ROW at sta. 1014+80
COT Water	A15-1-04: 6” DIP	Roadway milling and resurfacing	US 41 western ROW at sta. 1014+80
COT Water	A14-3-52: 6” DIP/ FC22-70: 6" ECJ	Roadway change to at-grade	US 41 and Trenton St. intersection; east side of US 41
COT Water	A14-3-52: 6” DIP/ FC22-70: 6" ECJ	Sidwalk installation	US 41 and Trenton St. intersection; east side of US 41
COT Water	A14-3-52: 6” DIP/ FC22-70: 6" ECJ	ROW change	US 41 and Trenton St. intersection; east side of US 41
COT Water	FC22-70: 6” ECJ	Sidwalk installation	US 41 crossing at sta. 1017+20
COT Water	FC22-70: 6” ECJ	Roadway change to at-grade	US 41 crossing at sta. 1017+20
COT Water	A15-1-04: 6” DIP	Bridge construction	US 41 crossing at sta. 1023+20
COT Water	A15-1-04: 6” DIP	Roadway change to at-grade	US 41 crossing at sta. 1023+20
COT Water	A15-1-04: 6” DIP	New roadway to properties	US 41 crossing at sta. 1023+20
COT Water	FC36-54: 6” ECJ	New roadway to properties	US 41 eastern ROW from sta. 1023+20 to 1028
COT Water	FC36-54: 6” ECJ	Sidwalk installation	US 41 eastern ROW from sta. 1023+20 to 1028
COT Water	FC36-54: 6” ECJ	Roadway change to on MSE	US 41 eastern ROW from sta. 1023+20 to 1028

COT Water	FC24-61: 2” ECJ	Roadway change to at-grade	US 41 and S 34th Ave. intersection; west side of US 41
COT Water	FC24-61: 2” ECJ	Roadway milling and resurfacing	US 41 and S 34th Ave. intersection; west side of US 41
COT Water	FC22-70: 8” ECJ	ROW change	US 41 crossing at St. Paul St.
COT Water	FC22-70: 8” ECJ	Sidwalk installation	US 41 crossing at St. Paul St.
COT Water	FC22-70: 8” ECJ	Roadway change to at-grade	US 41 crossing at St. Paul St.
COT Water	FC22-70: 8” ECJ	Bridge construction	US 41 crossing at St. Paul St.
COT Water	FC22-70: 8” ECJ	Roadway milling and resurfacing	US 41 crossing at St. Paul St.
COT Water	C7-1-33: 8” ECJ	ROW change	US 41 crossing at St. Paul St.
COT Water	C7-1-33: 8” ECJ	Sidwalk installation	US 41 crossing at St. Paul St.
COT Water	C7-1-33: 8” ECJ	Roadway change to at-grade	US 41 crossing at St. Paul St.
COT Water	C7-1-33: 8” ECJ	Bridge construction	US 41 crossing at St. Paul St.
COT Water	A15-1-04: 6” DIP	Roadway milling and resurfacing	US 41 western ROW at sta. 1035+80
COT Water	A15-1-04: 6” DIP	Sidwalk installation	US 41 western ROW at sta. 1035+80
COT Water	A15-1-04: 6” DIP	Roadway change to at-grade	US 41 western ROW at sta. 1035+80
COT Water	FC23-34: 2” ECJ	ROW change	US 41 and Trenton St. intersection; west side of US 41
COT Water	FC23-34: 2” ECJ	Sidwalk installation	US 41 and Trenton St. intersection; west side of US 41
COT Water	FC23-34: 2” ECJ	Roadway change to at-grade	US 41 and Trenton St. intersection; west side of US 41
COT Water	E9-2-48: 6” DIP/ A15-1-04: 6” DIP	ROW change	US 41 and S 31st Ave intersection; west side of road
COT Water	E9-2-48: 6” DIP/ A15-1-04: 6” DIP	Sidwalk installation	US 41 and S 31st Ave intersection; west side of road
COT Water	E9-2-48: 6” DIP/ A15-1-04: 6” DIP	Roadway change to at-grade	US 41 and S 31st Ave intersection; west side of road
COT Water	E9-2-48: 6” DIP/ A15-1-04: 6” DIP	Roadway milling and resurfacing	US 41 and S 31st Ave intersection; west side of road
COT Water	FC22-70: 6” ECJ	Sidwalk installation	US 41 north-bound lane from sta. 1040+20 to 1044
COT Water	FC22-70: 6” ECJ	Roadway change to on MSE	US 41 north-bound lane from sta. 1040+20 to 1044
COT Water	C3-3-09: 6” PVC	Roadway milling and resurfacing	US 41 and S 30th Ave intersection; west side of US 41
COT Water	C3-3-09: 6” PVC	ROW change	US 41 and S 30th Ave intersection; west side of US 41
COT Water	C3-3-09: 6” PVC	Sidwalk installation	US 41 and S 30th Ave intersection; west side of US 41
COT Water	C3-3-09: 6” PVC	Roadway change to at-grade	US 41 and S 30th Ave intersection; west side of US 41
COT Water	FC41-3: 8” ECJ	Sidwalk installation	US 41 and SR 676 intesection; south side of SR 676
COT Water	FC41-3: 8” ECJ	Roadway change to at-grade	US 41 and SR 676 intesection; south side of SR 676
COT Water	FC27-95: 6” ECJ	Roadway change to at-grade	US 41 western ROW from sta. 1050 to 1055
COT Water	FC27-95: 6” ECJ	ROW change	US 41 western ROW from sta. 1050 to 1055

COT Water	FC27-95: 6” ECJ	Sidwalk installation	US 41 western ROW from sta. 1050 to 1055
COT Water	FC29-28: 2” ECJ	Roadway change to at-grade	US 41 eastern ROW from sta. 1051+50 to 11054+40
COT Water	FC29-28: 2” ECJ	ROW change	US 41 eastern ROW from sta. 1051+50 to 11054+40
COT Water	FC29-28: 2” ECJ	Sidwalk installation	US 41 eastern ROW from sta. 1051+50 to 11054+40
COT Water	E14-4-21/FC26-56: abandoned 2” ECJ	Roadway change to at-grade	US 41 south-bound lane from sta. 1060+40 to 1064+20
COT Water	E14-4-21/FC26-56: abandoned 2” ECJ	ROW change	US 41 south-bound lane from sta. 1060+40 to 1064+20
COT Water	E14-4-21/FC26-56: abandoned 2” ECJ	Sidwalk installation	US 41 south-bound lane from sta. 1060+40 to 1064+20
COT Water	FC23-83/A15-1-04: 6” ECJ	Sidwalk installation	US 41 eastern ROW from sta. 2060+500 to 2065
COT Water	FC23-B3/A15-1-04: 6” ECJ	Roadway milling and resurfacing	US 41 eastern ROW from sta. 2060+500 to 2065
COT Water	FC23-B3/A15-1-04: 6” ECJ	Roadway change to at-grade	US 41 eastern ROW from sta. 2060+500 to 2065
COT Water	FC23-B3/A15-1-04: 6” ECJ	ROW change	US 41 eastern ROW from sta. 2060+500 to 2065
COT Water	E14-4-17: 12” DIP	Roadway change to at-grade	US 41 and S 24th Ave. intersection; east sie of US 41
COT Water	E14-4-17: 12” DIP	Roadway milling and resurfacing	US 41 and S 24th Ave. intersection; east sie of US 41
COT Water	E14-4-17: 12” DIP	Sidwalk installation	US 41 and S 24th Ave. intersection; east sie of US 41
COT Water	FC42-41: 6” ECJ	ROW change	US 41 and S 23rd St intersection; west side of US 41
COT Water	FC42-41: 6” ECJ	Roadway change to at-grade	US 41 and S 23rd St intersection; west side of US 41
COT Water	FC42-41: 6” ECJ	Roadway milling and resurfacing	US 41 and S 23rd St intersection; west side of US 41
COT Water	FC42-41: 6” ECJ	Sidwalk installation	US 41 and S 23rd St intersection; west side of US 41
COT Water	FC22-35: 8” CAS	Sidwalk installation	Southern SR 676 ROW from the western project terminus to sta. 3019+20
COT Water	FC22-35: 8” CAS	ROW change	Southern SR 676 ROW from the western project terminus to sta. 3019+20
COT Water	FC22-35: 8” CAS	Roadway change to at-grade	Southern SR 676 ROW from the western project terminus to sta. 3019+20
COT Water	J0346: 12” PVC	Roadway change to at-grade	SR 676 southern ROW at sta. 3004
COT Water	J0346: 12” PVC	Sidwalk installation	SR 676 southern ROW at sta. 3004
COT Water	FC22-34: 8” ECJ	Roadway change to at-grade	SR 676 southern ROW from sta. 3019+20 to 3029
COT Water	FC22-34: 8” ECJ	Sidwalk installation	SR 676 southern ROW from sta. 3019+20 to 3029
COT Water	FC22-34: 8” ECJ	ROW change	SR 676 southern ROW from sta. 3019+20 to 3029
COT Water	C3-3-10: abandoned 8” DIP	Roadway change to at-grade	SR 676 southern ROW from sta. 3029 to 3039+80
COT Water	C3-3-10: abandoned 8” DIP	Sidwalk installation	SR 676 southern ROW from sta. 3029 to 3039+80
COT Water	C3-3-10: abandoned 8” DIP	ROW change	SR 676 southern ROW from sta. 3029 to 3039+80
COT Water	FC84-212-02/03/04/05/06: 12" DIP	Sidwalk installation	SR 676 east-bound lane from sta. 3039+80 to the eastern project terminus; Unnamed extensions cross SR 676 at sta. 3041+40, 3043+20, and 3044+10, and 3054+50; sta.

COT Water	FC84-212-02/03/04/05/06: 12" DIP	Roadway change to at-grade	SR 676 east-bound lane from sta. 3039+80 to the eastern project terminus; Unnamed extensions cross SR 676 at sta. 3041+40, 3043+20, and 3044+10, and 3054+50; sta.
COT Water	FC48-32: 6” ECJ	Roadway change to at-grade	SR 676 and Sagata St. intersection; south side of road
COT Water	FC48-32: 6” ECJ	Sidwalk installation	SR 676 and Sagata St. intersection; south side of road
COT Water	FC48-32: 6” ECJ	ROW change	SR 676 and Sagata St. intersection; south side of road
COT Water	FC55-01: 8” DIP	Roadway change to at-grade	SR 676 crossing at sta. 3057+60
COT Water	FC55-01: 8” DIP	Sidwalk installation	SR 676 crossing at sta. 3057+60
COT Water	FC55-01: 8” DIP	ROW change	SR 676 crossing at sta. 3057+60
TECO Gas	6" CS GM	Sidwalk installation	US 41 eastern ROW from southern project terminus to sta. 1007
TECO Gas	6" CS GM	Roadway change to at-grade	US 41 eastern ROW from southern project terminus to sta. 1007
TECO Gas	6" CS GM	ROW change	US 41 eastern ROW from southern project terminus to sta. 1007
TECO Gas	4” CS GM/retired OSS	Sidwalk installation	Crosess US 41 at Trenton St., continues north along the western ROW, and terminates
TECO Gas	4” CS GM/retired OSS	Roadway change to at-grade	Crosess US 41 at Trenton St., continues north along the western ROW, and terminates
TECO Gas	4” CS GM/retired OSS	ROW change	Crosess US 41 at Trenton St., continues north along the western ROW, and terminates
TECO Gas	4” CS GM/retired OSS	Bridge construction	Crosess US 41 at Trenton St., continues north along the western ROW, and terminates
TECO Gas	4” CS GM/retired OSS	Roadway change to on MSE	Crosess US 41 at Trenton St., continues north along the western ROW, and terminates
TECO Gas	2” CS GM/retired OSS	Roadway change to at-grade	Extension west from the US 41 western ROW at the north side of Towaway Ave.
TECO Gas	2” CS GM/retired OSS	Sidwalk installation	Extension west from the US 41 western ROW at the north side of Towaway Ave.
TECO Gas	2” CS GM	Roadway change to at-grade	Extension west from the US 41 western ROW at the north side of Towaway Ave.
TECO Gas	2” CS GM	Sidwalk installation	Extension west from the US 41 western ROW at the north side of Towaway Ave.
TECO Gas	2” CS GM	ROW change	Extension west from the US 41 western ROW at the north side of Towaway Ave.
Tampa Bay Pipeline	AA 6” CS	Bridge construction	Crosses US 41 along the north side of St. Paul St.
Tampa Bay Pipeline	AA 6” CS	ROW change	Crosses US 41 along the north side of St. Paul St.
Tampa Bay Pipeline	AA 6” CS	Sidwalk installation	Crosses US 41 along the north side of St. Paul St.
Tampa Bay Pipeline	AA 6” CS	Roadway change to at-grade	Crosses US 41 along the north side of St. Paul St.
Tampa Bay Pipeline	AA 6” CS	Roaday milling and resurfacing	Crosses US 41 along the north side of St. Paul St.
Tampa Bay Pipeline	AA 6” CS	ROW change	Along southern ROW of SR 676, extending west past the project limits and turn south at
Tampa Bay Pipeline	AA 6” CS	Sidwalk installation	Along southern ROW of SR 676, extending west past the project limits and turn south at
Tampa Bay Pipeline	AA 6” CS	Roadway change to at-grade	Along southern ROW of SR 676, extending west past the project limits and turn south at
COT Wastewater	10” PVC pressurized main	ROW change	Crosses SR 676 at Sagasta St. and continues east along the northern ROW, ending outside the project's eastern terminus
COT Wastewater	10” PVC pressurized main	Sidwalk installation	Crosses SR 676 at Sagasta St. and continues east along the northern ROW, ending outside the project's eastern terminus
COT Wastewater	10” PVC pressurized main	Roadway change to at-grade	Crosses SR 676 at Sagasta St. and continues east along the northern ROW, ending outside the project's eastern terminus

COT Wastewater	8” PVC gravity main	Bridge construction	Crosses US 41 at the CSX intersection; runs along the north side of the tracks
COT Wastewater	8” PVC gravity main	ROW change	Crosses US 41 at the CSX intersection; runs along the north side of the tracks
COT Wastewater	8” PVC gravity main	Sidwalk installation	Crosses US 41 at the CSX intersection; runs along the north side of the tracks
COT Wastewater	8” PVC gravity main	Roadway change to at-grade	Crosses US 41 at the CSX intersection; runs along the north side of the tracks
COT Wastewater	8” PVC gravity main	Roaday milling and resurfacing	Crosses US 41 at the CSX intersection; runs along the north side of the tracks
Zayo	(3) 1-1/4” HDPE ducts E/W 144ct FOC	ROW change	Along the northern SR 676 ROW from the eastern project terminus to US 41, and the eastern US 41 ROW from SR 676 through the northern project terminus
Zayo	(3) 1-1/4” HDPE ducts E/W 144ct FOC	Sidwalk installation	Along the northern SR 676 ROW from the eastern project terminus to US 41, and the eastern US 41 ROW from SR 676 through the northern project terminus
Zayo	(3) 1-1/4” HDPE ducts E/W 144ct FOC	Roadway change to at-grade	Along the northern SR 676 ROW from the eastern project terminus to US 41, and the eastern US 41 ROW from SR 676 through the northern project terminus
Zayo	(3) 1-1/4” HDPE ducts E/W 144ct FOC	Roaday milling and resurfacing	Along the northern SR 676 ROW from the eastern project terminus to US 41, and the eastern US 41 ROW from SR 676 through the northern project terminus
Frontier	3 buried cables (600,200,100)	ROW change	US 41 eastern ROW from the southern project terminus to Trenton St.
Frontier	3 buried cables (600,200,100)	Sidwalk installation	US 41 eastern ROW from the southern project terminus to Trenton St.
Frontier	3 buried cables (600,200,100)	Roadway change to at-grade	US 41 eastern ROW from the southern project terminus to Trenton St.
Frontier	3 buried cables (600,600,600)	ROW change	US 41 eastern ROW from sta. 1018 to 1022+80
Frontier	3 buried cables (600,600,600)	Sidwalk installation	US 41 eastern ROW from sta. 1018 to 1022+80
Frontier	3 buried cables (600,600,600)	Roadway change to on MSE	US 41 eastern ROW from sta. 1018 to 1022+80
Frontier	3 buried cables (600,600,600)	Bridge construction	US 41 eastern ROW from sta. 1018 to 1022+80
Frontier	3 buried cables (600,600,FOC)	Bridge construction	US 41 eastern ROW from sta. 1032+20 to 1039+50
Frontier	3 buried cables (600,600,FOC)	Sidwalk installation	US 41 eastern ROW from sta. 1032+20 to 1039+50
Frontier	3 buried cables (600,600,FOC)	Roadway change to on MSE	US 41 eastern ROW from sta. 1032+20 to 1039+50
Frontier	3 buried cables (600,600,FOC)	New roadway to properties	US 41 eastern ROW from sta. 1032+20 to 1039+50
Frontier	3 buried cables (600,600,FOC)	ROW change	US 41 eastern ROW from sta. 1032+20 to 1039+50
Frontier	3 buried cables (600,600,FOC)	ROW change	Extention west from the US 41 western ROW at S 31st Ave
Frontier	3 buried cables (600,600,FOC)	Roaday milling and resurfacing	Extention west from the US 41 western ROW at S 31st Ave
Frontier	3 buried cables (600,600,FOC)	Sidwalk installation	Extention west from the US 41 western ROW at S 31st Ave
Frontier	5 buried cables (600,600,600,200,100)	Sidwalk installation	US 41 eastern ROW from sta. 1010+70 to 1018
Frontier	5 buried cables (600,600,600,200,100)	Roadway change to at-grade	US 41 eastern ROW from sta. 1010+70 to 1018
Frontier	5 buried cables (100,200,600,600,FOC)	New roadway to properties	Eastern US 41 ROW from sta. 1022+80 to 1032+20

Frontier	5 buried cables (100,200,600,600,FOC)	Bridge construction	Eastern US 41 ROW from sta. 1022+80 to 1032+20
Frontier	5 buried cables (100,200,600,600,FOC)	ROW change	Eastern US 41 ROW from sta. 1022+80 to 1032+20
Frontier	5 buried cables (100,200,600,600,FOC)	Roadway change to on MSE	Eastern US 41 ROW from sta. 1022+80 to 1032+20
Frontier	5 buried cables (100,200,600,600,FOC)	Sidwalk installation	Eastern US 41 ROW from sta. 1022+80 to 1032+20
Frontier	1 buried cable (unknow size or type)	Sidwalk installation	Crosses SR 676 at sta. 3009+90
Frontier	1 buried cable (unknow size or type)	Roadway change to at-grade	Crosses SR 676 at sta. 3009+90
Frontier	1 buried cable (unknow size or type)	ROW change	Crosses SR 676 at sta. 3009+90
Frontier	10” steel casing with copper and fiber cables	ROW change	Crosses US 41 at sta. 1039+50 (S 31st Ave.)
Frontier	10” steel casing with copper and fiber cables	Roadway change to on MSE	Crosses US 41 at sta. 1039+50 (S 31st Ave.)
Frontier	10” steel casing with copper and fiber cables	Sidwalk installation	Crosses US 41 at sta. 1039+50 (S 31st Ave.)
Frontier	10” steel casing with copper and fiber cables	Roaday milling and resurfacing	Crosses US 41 at sta. 1039+50 (S 31st Ave.)
Frontier	3-4” conduits	Roadway change to on MSE	US 41 eastern ROW from sta. 1043+60 (S 30th Ave) to 1046+60 (SR 676)
Frontier	3-4” conduits	Roadway change to at-grade	US 41 eastern ROW from sta. 1043+60 (S 30th Ave) to 1046+60 (SR 676)
Frontier	3-4” conduits	Sidwalk installation	US 41 eastern ROW from sta. 1043+60 (S 30th Ave) to 1046+60 (SR 676)
Frontier	3-4” conduits	Roadway change to at-grade	Western US 41 ROW from sta. 1050+50 (El Camino Blanco Blvd.) to 1067+40 (project
Frontier	3-4” conduits	Sidwalk installation	Western US 41 ROW from sta. 1050+50 (El Camino Blanco Blvd.) to 1067+40 (project
Frontier	3-4” conduits	ROW change	Western US 41 ROW from sta. 1050+50 (El Camino Blanco Blvd.) to 1067+40 (project
Frontier	3-4” conduits	Roaday milling and resurfacing	Western US 41 ROW from sta. 1050+50 (El Camino Blanco Blvd.) to 1067+40 (project
Frontier	3-4” conduits	Roadway change to at-grade	US 41 eastern ROW from sta. 1050+50 (El Camino Blanco Blvd.) to 1060 +20 (S 24th
Frontier	3-4” conduits	Sidwalk installation	US 41 eastern ROW from sta. 1050+50 (El Camino Blanco Blvd.) to 1060 +20 (S 24th
Frontier	3-4” conduits	ROW change	US 41 eastern ROW from sta. 1050+50 (El Camino Blanco Blvd.) to 1060 +20 (S 24th
Frontier	3-4” conduits	Roaday milling and resurfacing	US 41 eastern ROW from sta. 1050+50 (El Camino Blanco Blvd.) to 1060 +20 (S 24th
Frontier	3-4” conduits	Roadway change to at-grade	Cross US 41 at sta. 1046+60 (SR 676 intersection, south side)
Frontier	3-4” conduits	Sidwalk installation	Cross US 41 at sta. 1046+60 (SR 676 intersection, south side)

Frontier	3-4” conduits	Roadway change to at-grade	Southern SR 676 ROW from sta. 3034+20 (S 47th St.) to 3040+60 (Sagata St.)
Frontier	3-4” conduits	Sidwalk installation	Southern SR 676 ROW from sta. 3034+20 (S 47th St.) to 3040+60 (Sagata St.)
Frontier	3-4” conduits	ROW change	Southern SR 676 ROW from sta. 3034+20 (S 47th St.) to 3040+60 (Sagata St.)
Frontier	6-4” conduits	Sidwalk installation	Eastern US 41 ROW from sta. 1046+60 (SR 676 intersection, south side) to 1050+50 (El
Frontier	6-4” conduits	Roadway change to at-grade	Eastern US 41 ROW from sta. 1046+60 (SR 676 intersection, south side) to 1050+50 (El
Frontier	6-4” conduits	ROW change	SR 676 southern ROW from sta. 3047+50 (US 41, east side) to 3057+50 (project eastern
Frontier	6-4” conduits	Sidwalk installation	SR 676 southern ROW from sta. 3047+50 (US 41, east side) to 3057+50 (project eastern
Frontier	6-4” conduits	Roadway change to at-grade	SR 676 southern ROW from sta. 3047+50 (US 41, east side) to 3057+50 (project eastern
Frontier	6-4” conduits	Roaday milling and resurfacing	SR 676 southern ROW from sta. 3047+50 (US 41, east side) to 3057+50 (project eastern
Frontier	6-4” conduits	ROW change	Crosses SR 676 at sta. 3057+50 (project eastern terminus)
Frontier	6-4” conduits	Sidwalk installation	Crosses SR 676 at sta. 3057+50 (project eastern terminus)
Frontier	6-4” conduits	Roadway change to at-grade	Crosses SR 676 at sta. 3057+50 (project eastern terminus)
Frontier	2-4” conduits	ROW change	Northern SR 676 ROW from sta. 3049+20 to 3051+80
Frontier	2-4” conduits	Sidwalk installation	Northern SR 676 ROW from sta. 3049+20 to 3051+80
Frontier	2-4” conduits	Roadway change to at-grade	Northern SR 676 ROW from sta. 3049+20 to 3051+80
Frontier	2-4” conduits	ROW change	Extension west from the western US 41 ROW at sta. 1050+50 (El Camino Blanco Blvd.)
Frontier	2-4” conduits	Sidwalk installation	Extension west from the western US 41 ROW at sta. 1050+50 (El Camino Blanco Blvd.)
Frontier	2-4” conduits	Roadway change to at-grade	Extension west from the western US 41 ROW at sta. 1050+50 (El Camino Blanco Blvd.)
Frontier	4-4” conduits	ROW change	Southern SR 676 ROW from the western project terminus to sta. 3034+20 (S 47th St.)
Frontier	4-4” conduits	Sidwalk installation	Southern SR 676 ROW from the western project terminus to sta. 3034+20 (S 47th St.)
Frontier	4-4” conduits	Roadway change to at-grade	Southern SR 676 ROW from the western project terminus to sta. 3034+20 (S 47th St.)
Frontier	4-4” conduits	ROW change	Crosses SR 676 at sta. 3050+30
Frontier	4-4” conduits	Sidwalk installation	Crosses SR 676 at sta. 3050+30
Frontier	4-4” conduits	Roadway change to at-grade	Crosses SR 676 at sta. 3050+30
Frontier	Buried FOC	ROW change	Crosses SR 676 at sta. 3017+60
Frontier	Buried FOC	Sidwalk installation	Crosses SR 676 at sta. 3017+60
Frontier	Buried FOC	Roadway change to at-grade	Crosses SR 676 at sta. 3017+60
Frontier	Buried FOC	ROW change	Extension east from the eastern US 41 ROW at sta. 1051+50 (S 27th Ave.)
Frontier	Buried FOC	Sidwalk installation	Extension east from the eastern US 41 ROW at sta. 1051+50 (S 27th Ave.)
Frontier	Buried FOC	Roadway change to at-grade	Extension east from the eastern US 41 ROW at sta. 1051+50 (S 27th Ave.)
Frontier	24” steel casing with 16-4” conduits	ROW change	Crosses SR 676 at sta. 3034+20 (S 47th St.)
Frontier	24” steel casing with 16-4” conduits	Sidwalk installation	Crosses SR 676 at sta. 3034+20 (S 47th St.)

Frontier	24” steel casing with 16-4” conduits	Roadway change to at-grade	Crosses SR 676 at sta. 3034+20 (S 47th St.)
Frontier	8-4” conduits	ROW change	Extension west from the US 41 western ROW at sta. 1050+50 (El Camino Blanco Blvd.)
Frontier	8-4” conduits	Sidwalk installation	Extension west from the US 41 western ROW at sta. 1050+50 (El Camino Blanco Blvd.)
Frontier	8-4” conduits	Roadway change to at-grade	Extension west from the US 41 western ROW at sta. 1050+50 (El Camino Blanco Blvd.)
illsborough County Traff	4” traffic system conduits	ROW change	SR 676 northern ROW from sta. 3046 (US 41, west side) through the eastern project
illsborough County Traff	4” traffic system conduits	Sidwalk installation	SR 676 northern ROW from sta. 3046 (US 41, west side) through the eastern project
illsborough County Traff	4” traffic system conduits	Roadway change to at-grade	SR 676 northern ROW from sta. 3046 (US 41, west side) through the eastern project
illsborough County Traff	2” traffic system conduits	ROW change	US 41 western ROW from sta. 1049 (SR 676, north side) through the northern project
illsborough County Traff	2” traffic system conduits	Sidwalk installation	US 41 western ROW from sta. 1049 (SR 676, north side) through the northern project
illsborough County Traff	2” traffic system conduits	Roadway change to at-grade	US 41 western ROW from sta. 1049 (SR 676, north side) through the northern project
illsborough County Traff	2” traffic system conduits	Roaday milling and resurfacing	US 41 western ROW from sta. 1049 (SR 676, north side) through the northern project
se Networks dba Charte	Buried FOC	ROW change	Crosses US 41 at sta. 1007+50 (near Hartford St.).
se Networks dba Charte	Buried FOC	Sidwalk installation	Crosses US 41 at sta. 1007+50 (near Hartford St.).
se Networks dba Charte	Buried FOC	Roadway change to at-grade	Crosses US 41 at sta. 1007+50 (near Hartford St.).
se Networks dba Charte	Buried FOC	ROW change	Crosses US 41 at sta. 1051+30 (S 27th Ave)
se Networks dba Charte	Buried FOC	Sidwalk installation	Crosses US 41 at sta. 1051+30 (S 27th Ave)
se Networks dba Charte	Buried FOC	Roadway change to at-grade	Crosses US 41 at sta. 1051+30 (S 27th Ave)
se Networks dba Charte	Buried CATV	ROW change	Crosses US 41 at sta. 1017+15 (near Delaney Creek)
se Networks dba Charte	Buried CATV	Sidwalk installation	Crosses US 41 at sta. 1017+15 (near Delaney Creek)
se Networks dba Charte	Buried CATV	Roadway change to at-grade	Crosses US 41 at sta. 1017+15 (near Delaney Creek)
se Networks dba Charte	Buried CATV	Roadway change to on MSE	Crosses US 41 at sta. 1035+80 (between St. Paul St. and S 31st Ave.).
se Networks dba Charte	Buried CATV	Roaday milling and resurfacing	Crosses US 41 at sta. 1035+80 (between St. Paul St. and S 31st Ave.).
se Networks dba Charte	Buried CATV	Sidwalk installation	Crosses US 41 at sta. 1035+80 (between St. Paul St. and S 31st Ave.).
se Networks dba Charte	Buried CATV	ROW change	Crosses US 41 at sta. 1035+80 (between St. Paul St. and S 31st Ave.).
se Networks dba Charte	Buried CATV	Roadway change to at-grade	Crosses US 41 at sta. 1035+80 (between St. Paul St. and S 31st Ave.).
se Networks dba Charte	Buried CATV	New roadway to properties	Crosses US 41 at sta. 1035+80 (between St. Paul St. and S 31st Ave.).
se Networks dba Charte	Buried CATV	ROW change	Crosses SR 676 at sta. 3027 (S 45th St.)
se Networks dba Charte	Buried CATV	Sidwalk installation	Crosses SR 676 at sta. 3027 (S 45th St.)
se Networks dba Charte	Buried CATV	Roadway change to at-grade	Crosses SR 676 at sta. 3027 (S 45th St.)
se Networks dba Charte	Buried CATV	ROW change	SR 676 northern ROW from sta. 3027 (S 45th St.) to 3039 (near Sagata St.)
se Networks dba Charte	Buried CATV	Sidwalk installation	SR 676 northern ROW from sta. 3027 (S 45th St.) to 3039 (near Sagata St.)
se Networks dba Charte	Buried CATV	Roadway change to at-grade	SR 676 northern ROW from sta. 3027 (S 45th St.) to 3039 (near Sagata St.)
Frontier	(1) Aerial cable	Sidwalk installation	Extention east from the US 41 eastern ROW at sta. 1010+70 (Trenton St.)
Frontier	(1) Aerial cable	ROW change	Extention east from the US 41 eastern ROW at sta. 1010+70 (Trenton St.)

Frontier	(1) Aerial cable	Roadway change to at-grade	Extention east from the US 41 eastern ROW at sta. 1010+70 (Trenton St.)
Frontier	(1) Aerial cable	Sidwalk installation	Extention east from the US 41 eastern ROW at sta. 1060+70 (S 24th Ave.)
Frontier	(1) Aerial cable	Roaday milling and resurfacing	Extention east from the US 41 eastern ROW at sta. 1060+70 (S 24th Ave.)
Frontier	(1) Aerial cable	Sidwalk installation	Extention east from the US 41 eastern ROW at sta. 11064+70 (S 23rd Ave.)
Frontier	(1) Aerial cable	Roaday milling and resurfacing	Extention east from the US 41 eastern ROW at sta. 11064+70 (S 23rd Ave.)
Frontier	(1) Aerial cable	Sidwalk installation	Extention west from the US 41 western ROW at sta. 1018+60 (Raleigh St.)
Frontier	(1) Aerial cable	ROW change	Extention west from the US 41 western ROW at sta. 1018+60 (Raleigh St.)
Frontier	(1) Aerial cable	Roadway change to at-grade	Extention west from the US 41 western ROW at sta. 1018+60 (Raleigh St.)
Frontier	(1) Aerial cable	Bridge construction	Extention west from the US 41 western ROW at sta. 1018+60 (Raleigh St.)
Frontier	(1) Aerial cable	Sidwalk installation	Crosses US 41 at sta. 1022+80 (Towaway Ave.)
Frontier	(1) Aerial cable	ROW change	Crosses US 41 at sta. 1022+80 (Towaway Ave.)
Frontier	(1) Aerial cable	Roadway change to at-grade	Crosses US 41 at sta. 1022+80 (Towaway Ave.)
Frontier	(1) Aerial cable	Bridge construction	Crosses US 41 at sta. 1022+80 (Towaway Ave.)
Frontier	(1) Aerial cable	Roadway change to on MSE	Crosses US 41 at sta. 1022+80 (Towaway Ave.)
Frontier	(1) Aerial cable	Sidwalk installation	Crosses US 41 at sta. 2053+70 (N of S 27th Ave)
Frontier	(1) Aerial cable	ROW change	Crosses US 41 at sta. 2053+70 (N of S 27th Ave)
Frontier	(1) Aerial cable	Roadway change to at-grade	Crosses US 41 at sta. 2053+70 (N of S 27th Ave)
Frontier	(1) Aerial cable	Sidwalk installation	Crosses US 41 at sta. 1064+70 (S 23rd Ave.)
Frontier	(1) Aerial cable	ROW change	Crosses US 41 at sta. 1064+70 (S 23rd Ave.)
Frontier	(1) Aerial cable	Roadway change to at-grade	Crosses US 41 at sta. 1064+70 (S 23rd Ave.)
Frontier	(1) Aerial cable	Roaday milling and resurfacing	Crosses US 41 at sta. 1064+70 (S 23rd Ave.)
Frontier	(1) Aerial cable	Sidwalk installation	US 41 western ROW from sta. 1050+50 (El Camino Blanco Blvd.) to 1053+70
Frontier	(1) Aerial cable	ROW change	US 41 western ROW from sta. 1050+50 (El Camino Blanco Blvd.) to 1053+70
Frontier	(1) Aerial cable	Roadway change to at-grade	US 41 western ROW from sta. 1050+50 (El Camino Blanco Blvd.) to 1053+70
Frontier	(1) Aerial cable	Sidwalk installation	US 41 western ROW from sta. 1060+70 (S 24th Ave.) to 1064+70 (S 23rd Ave.)
Frontier	(1) Aerial cable	ROW change	US 41 western ROW from sta. 1060+70 (S 24th Ave.) to 1064+70 (S 23rd Ave.)
Frontier	(1) Aerial cable	Roadway change to at-grade	US 41 western ROW from sta. 1060+70 (S 24th Ave.) to 1064+70 (S 23rd Ave.)
Frontier	(1) Aerial cable	Roaday milling and resurfacing	Crosses S 24th Ave. at the US 41 intersection (east side of US 41).
Frontier	(1) Aerial cable	Sidwalk installation	Crosses S 24th Ave. at the US 41 intersection (east side of US 41).
Frontier	(1) Aerial cable	Roadway change to at-grade	Crosses SR 676 at sta.3027+30 (S 45th St.)
Frontier	(1) Aerial cable	Sidwalk installation	Crosses SR 676 at sta.3027+30 (S 45th St.)
Frontier	(1) Aerial cable	ROW change	Crosses SR 676 at sta.3027+30 (S 45th St.)
Frontier	(1) Aerial cable	Roadway change to at-grade	Crosses SR 676 at sta.3034+20 (S 47th St.)
Frontier	(1) Aerial cable	Sidwalk installation	Crosses SR 676 at sta.3034+20 (S 47th St.)
Frontier	(1) Aerial cable	ROW change	Crosses SR 676 at sta.3034+20 (S 47th St.)

Frontier	(1) Aerial cable	Roadway change to at-grade	Crosses SR 676 at sta.3037
Frontier	(1) Aerial cable	Sidwalk installation	Crosses SR 676 at sta.3037
Frontier	(1) Aerial cable	ROW change	Crosses SR 676 at sta.3037
Frontier	(1) Aerial cable	Roadway change to at-grade	SR 676 southern ROW from sta. 3022+60 to 3042+90
Frontier	(1) Aerial cable	Sidwalk installation	SR 676 southern ROW from sta. 3022+60 to 3042+90
Frontier	(1) Aerial cable	ROW change	SR 676 southern ROW from sta. 3022+60 to 3042+90
Frontier	(3) Aerial cables	Roadway change to at-grade	Crosses US 41 at sta. 1053+70
Frontier	(3) Aerial cables	Sidwalk installation	Crosses US 41 at sta. 1053+70
Frontier	(3) Aerial cables	ROW change	Crosses US 41 at sta. 1053+70
Frontier	(4) Aerial cables	Roadway change to at-grade	Eastern US 41 ROW from sta. 1053+70 to 1060+70 (S 24th Ave.).
Frontier	(4) Aerial cables	Sidwalk installation	Eastern US 41 ROW from sta. 1053+70 to 1060+70 (S 24th Ave.).
Frontier	(4) Aerial cables	ROW change	Eastern US 41 ROW from sta. 1053+70 to 1060+70 (S 24th Ave.).
Frontier	(4) Aerial cables	Roaday milling and resurfacing	Eastern US 41 ROW from sta. 1053+70 to 1060+70 (S 24th Ave.).
Frontier	(4) Aerial cables	Roadway change to at-grade	US 41 eastern ROW from sta. 1060+70 (S 24th Ave.) to the northern project terminus
Frontier	(4) Aerial cables	Roaday milling and resurfacing	US 41 eastern ROW from sta. 1060+70 (S 24th Ave.) to the northern project terminus
Frontier	(4) Aerial cables	ROW change	US 41 eastern ROW from sta. 1060+70 (S 24th Ave.) to the northern project terminus
Frontier	Overhead guy wires	Roadway change to at-grade	Western US 41 ROW from sta. 1017+40 (Raleigh St.) to 1022+80 (Towaway Ave.)
Frontier	Overhead guy wires	Sidwalk installation	Western US 41 ROW from sta. 1017+40 (Raleigh St.) to 1022+80 (Towaway Ave.)
Frontier	Overhead guy wires	Sidwalk installation	SR 676 southern ROW at 3040+40 (Sagata St.)
Frontier	Overhead guy wires	ROW change	SR 676 southern ROW at 3040+40 (Sagata St.)
Frontier	Overhead guy wires	Roadway change to at-grade	SR 676 southern ROW at 3040+40 (Sagata St.)
illsborough County Traff	Buried fiber bundle cables	Roadway change to at-grade	SR 676 northern ROW from the US 41 intersection (east side) through the eastern
illsborough County Traff	Buried fiber bundle cables	Sidwalk installation	SR 676 northern ROW from the US 41 intersection (east side) through the eastern
illsborough County Traff	Buried fiber bundle cables	ROW change	SR 676 northern ROW from the US 41 intersection (east side) through the eastern
illsborough County Traff	Buried copper cables	Roadway change to at-grade	Crosse US 41 at the SR 676 intersection (north side)
illsborough County Traff	Buried copper cables	Sidwalk installation	Crosse US 41 at the SR 676 intersection (north side)
se Networks dba Charte	Aerial CATV and FOC	Sidwalk installation	Northern US 41 ROW from the southern project terminus through the northern project
	Aerial CATV and FOC	ROW change	Northern US 41 ROW from the southern project terminus through the northern project
	Aerial CATV and FOC	Roadway change to at-grade	Northern US 41 ROW from the southern project terminus through the northern project
	Aerial CATV and FOC	Bridge construction	Northern US 41 ROW from the southern project terminus through the northern project
	Aerial CATV and FOC	Roadway change to on MSE	Northern US 41 ROW from the southern project terminus through the northern project
	Aerial CATV and FOC	Roaday milling and resurfacing	Northern US 41 ROW from the southern project terminus through the northern project
	Aerial CATV and FOC	Roadway change to at-grade	Crosses US 41 at sta. 1052 (S 27th Ave.)
	Aerial CATV and FOC	Sidwalk installation	Crosses US 41 at sta. 1052 (S 27th Ave.)
	Aerial CATV and FOC	ROW change	Crosses US 41 at sta. 1052 (S 27th Ave.)

	Aerial CATV and FOC	Roadway change to at-grade	SR 676 northern ROW from sta. 3046+60 (US 41, west side) to 3049+20
	Aerial CATV and FOC	Sidwalk installation	SR 676 northern ROW from sta. 3046+60 (US 41, west side) to 3049+20
	Aerial CATV and FOC	ROW change	SR 676 northern ROW from sta. 3046+60 (US 41, west side) to 3049+20