

**AMENDMENT
TO
CIVIL ENGINEERING DESIGN SERVICES
FOR THE
FREDERICKSBURG (N. FLORES TO WOODLAWN) PROJECT**

This amendment to the Civil Engineering Design Services Agreement for the Fredericksburg (N. Flores to W. Woodlawn) project authorized by Ordinance No. _____, is entered into by and between the **City of San Antonio ("City")**, a home rule municipal corporation, and **Poznecki-Camarillo, Inc. ("Consultant")**, referred to collectively herein as the "Parties".

WHEREAS, in October 2017 through Ordinance No. 2017-10-05-0742, the City authorized the negotiation and execution of 48 professional services contracts to include landscape architectural design services; and

WHEREAS, pursuant to the aforementioned ordinance City and Consultant entered into the Civil Engineering Design Services Agreement for design and construction phase services for the Fredericksburg Road (N. Flores to W. Woodlawn) project in a not to exceed amount of \$955,588.22 ("Original Agreement"); and

WHEREAS, it is necessary to amend the Original Agreement to add additional engineering design, bid services, and construction phase and close out phase services for needed utilities associated with the project; and

WHEREAS, this amendment increases the total contract capacity by the lump sum amount of \$131,962.00 to provide for the cost of the additional services;

NOW THEREFORE, in consideration of the terms, covenants, agreements and demises herein contained each to the other given, the sufficiency and receipt of which are hereby acknowledged, the Original Agreement, as previously amended, is amended as follows:

1. **Exhibit A – Scope of Services/Schedule of Project Services/Fee Summary.** The contract amount set out in Exhibit A – Scope of Services/Schedule of Project Services/Fee Summary is hereby increased by the lump sum amount of **ONE HUNDRED THIRTY-ONE THOUSAND NINE HUNDRED SIXTY-TWO AND 00/100 DOLLARS (\$131,962.00)** for a total not-to-exceed contract amount of **ONE MILLION EIGHTY-SEVEN THOUSAND FIVE HUNDRED FIFTY AND 22/100 DOLLARS (\$1,087,550.22)**. The fee summary set out in Attachment 1 is hereby incorporated into and made a part of Exhibit A of the Original Agreement.
2. **Exhibit A - Scope of Services/Schedule of Project Services/Fee Summary.** The additional services attached hereto as Attachment 2

are hereby incorporated into and made a part of Exhibit A of the Original Agreement.

Except as amended hereby, all other provisions of the Agreement are hereby retained in their entirety and remain unchanged.

EXECUTED and **AGREED** to as of the dates indicated below.

CITY OF SAN ANTONIO

POZNECKI-CAMARILLO, INC.

(Signature)
Roderick Sanchez
Assistant City Manager

Date: _____

DocuSigned by:
Fernando Camarillo

(Signature)
Printed Name: Fernando Camarillo
Title: CEO

Date: 12/14/2020

Approved as to Form:

Assistant City Attorney

**ATTACHMENT 1
FEE SUMMARY**

Design Phase	\$ Water Fee	\$ Sewer Fee	\$ Total Fee	Weeks
70% Design	\$43,078.00	\$13,324.00	\$56,402.00	4
95% Design	\$20,339.00	\$8,755.00	\$29,094.00	3
100% Design & Bid	\$7,763.00	\$3,118.00	\$10,881.00	6
Construction	\$18,483.00	\$7,796.00	\$26,279.00	26
Close Out	\$6,225.00	\$3,081.00	\$9,306.00	3
TOTAL	\$95,888.00	\$36,074.00	\$131,962.00	42

**ATTACHMENT 2
ADDITIONAL SERVICES**

City of San Antonio - Transportation & Capital Improvements Department													
PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN													
Project:		Fredericksburg Rd - (Culebra to W Craig Place 23-01582)											
Prime Consultant:		Poznecki-Camarillo, Inc.											
Proposed Date:		4/30/2020											
Prepared By:		Fernando Camarillo, P.E.											
	Quantity	Estimating Unit	Unit Cost	Principal Partner	Senior Project Manager	Senior Engineer	Design Engineer	EIT	CADD	Project Admin	Total Hrs	Task Budget	SUBTOTALS
				\$ 200.00	\$ 182.00	\$ 158.00	\$ 126.00	\$ 95.00	\$ 60.00	\$ 65.00			
SAWS Water Design Fee													
1				2	0	17	0	11	0	0		\$ 95,888.00	
1. SAWS Water Design Fee													
1.1 SAWS Prime Mgmt PCI													
1.1a				1		8		4				\$1,529.00	
												\$41,350.00	\$43,078.00
1.1b				1		4		2				\$1,022.00	
												\$19,317.00	\$20,339.00
1.1c						1		1				\$253.00	
												\$7,510.00	\$7,763.00
1.1d						5		3				\$1,915.00	
												\$17,408.00	\$18,483.00
1.1e						1		1				\$253.00	
												\$5,372.00	\$5,225.00
												\$4,131.00	
												\$58,388.00	
												\$6,474.00	
SAWS Sewer Design Fee													
1				2	0	9	0	7	0	0		\$ 36,874.00	
1. SAWS Sewer Design Fee													
1.1 SAWS Prime Mgmt PCI													
1.1a				1		2		2				\$709.00	
												\$12,818.00	\$13,324.00
1.1b				1		2		2				\$708.00	
												\$8,040.00	\$8,755.00
1.1c						1		1				\$253.00	
												\$2,985.00	\$3,118.00
1.1d						3		1				\$689.00	
												\$7,227.00	\$7,796.00
1.1e						1		1				\$253.00	
												\$2,829.00	\$3,081.00
												\$2,287.00	
												\$36,074.00	
												\$2,800.00	
												\$36,874.00	
SAWS Water & Sewer Design Fee													
				4	0	26	0	18	0	0		\$ 131,862.00	



Revised: December 02, 2020

Mr. Mike Guerra, PE
 Engineer 3
 Poznecki-Camarillo, Inc.
 5835 Callaghan Road, Ste. 200
 San Antonio, TX 78228

**Subject: Fredericksburg Rd - (Culebra to W Craig Place 23-01582) Project
 SAWS Water Job No. 17-5143
 SAWS Sewer Job No. 17-5624
 Scope & Fee Proposal**

Dear Mr. Guerra:

BGE is pleased to submit this lump sum proposal for engineering services to Poznecki-Camarillo, Inc. for the above referenced project. We understand that this work will be joint bid with City of San Antonio. We propose to perform work as described in "Attachment A - Scope of Service.". The Basic Service Fee of \$125,344.00 is based on Attachment B, Engineering Service Fee Breakdown. The Basic Service Fee is a lump sum amount Fee is in not-to-exceed amount. We propose a lump sum fee to be paid as shown in the table below. Payment will be made as work is completed and approved to include 70% design, 95% Design Phase plans, 100% Design and Bid Phase, Construction Services and Closeout Phase. schedule of completion and production will be coordinated with City of San Antonio proposed advertising schedule.

Phase	\$ Water Fee	\$ Sewer Fee	Weeks
70% Design	\$41,550.00	\$12,618.00	4
95% Design	\$19,317.00	\$8,049.00	3
100% Design and Bid	\$7,510.00	\$2,865.00	6
Construction	\$17,408.00	\$7,227.00	26
Close Out	\$5,972.00	\$2,828	3
TOTAL	\$91,757.00	\$33,587.00	42

Thank you very much for this opportunity and we look forward to the successful completion of your Project. Please feel free to contact me should you have any questions or would like to discuss in more detail.

Sincerely,

Abdel Hamed, P.E.
 BGE

Fredericksburg Rd - (Culebra to W Craig Place 23-01582)
December 2, 2020



ATTACHMENT A – SCOPE OF SERVICES

Project Background

Poznecki-Camarillo, Inc. has researched the existing water and sewer facilities for the above referenced project within the project limits.

Recommended Work

The City of San Antonio plans to reconstruct various Storms, streets and Sidewalks in different sections of Fredericksburg Rd - (Culebra to W Craig Place 23-01582) Due to the CoSA improvements, it appears they have the following potential conflicts based on conflict matrix provided by Poznecki-Camarillo, Inc. on November 13, 2020 (attached):

Fredericksburg Rd

- 12" W Fredericksburg Rd Sta 23+29 (Long)
 - Conflict with Proposed ADA Ramp
- 8" W Fredericksburg Rd Sta 33+54 (Long) 22.8 LT
 - Conflict with Proposed Sidewalk and driveway
 - conflict around inlet CI-A21 near STA 33+75 and inlet C1-A21-1 near 34+75
- 8" PVC W Fredericksburg Rd Sta 37+68 (Long)
 - Conflict with Proposed Sidewalk
- 8" DI W Fredericksburg Rd Sta 40+75 to Sta 74+30
 - Between stations 50+00 to 56+00, 57+00 to 64+00, 65+00 to 72+00, it appears there is not any apparent water main replacements other than box/valve/fire hydrants
- 6" AC W Fredericksburg Rd Sta 40+76 (Crossing)
 - Conflict with Proposed Driveway
- 8" DI W Fredericksburg Rd Sta 43+16 (Crossing)
 - Conflict with Proposed Sidewalk
- 8" DI W Fredericksburg Rd Sta 43+98 to Sta 44+42
 - Conflict with Proposed Inlet
- 8" DI W Fredericksburg Rd Sta 64+55 to Sta 64+99
 - Conflict with Proposed Sidewalk Between station 56+00 to 74+00 is the add alternate design
- 8" DI W Fredericksburg Rd Sta 72+13 to Sta 72+29
 - Conflict with Proposed Inlet
- 8" DI W Fredericksburg Rd Sta 73+63 to Sta 73+83
 - Conflict with Proposed Inlet

A summary of specific areas of consideration for water adjustments are as follows:

- **Water Meter boxes** (only **34 Meter Boxes** at various locations/stations) – Adjustments and possible replacement as needed for Meter boxes located in the proposed sidewalk
- **Water valves** (only **9 Water Valves** at various locations/stations) – Adjustments and possible replacement water Valves as needed to avoid conflicts with proposed sidewalk
- **Fire hydrants** (only **2 Fire Hydrants** at various locations/stations) – Adjustments and possible replacement as needed for Fire hydrants.

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December 2, 2020



A summary of specific areas of consideration for sewer adjustments are as follows:

- **Sewer manholes** (Base Bid 14 Manholes and Add Alternate 7 Manholes) –Adjustments and possible replacement as needed for avoid conflicts and street grading.

Scope of Services

The following Scope of Services is proposed for the completion of the Project. The various tasks and deliverables are to be performed and submitted in accordance with the Project's approved schedule.

I. Project Management

All communication and submittals to Poznecki-Camarillo, Inc. will be directed through the team's Project Manager unless specifically authorized otherwise. The project management activities shall include task leadership and direction, telephone and written communication, project updates and status reports, project schedule, and personnel and data management along with other general project management activities.

II. 70% Design

Upon written Notice to Proceed (NTP) from Poznecki-Camarillo, Inc., BGE will complete the 70% design submittal, which includes the following:

a. Meetings

- i. Project Meetings: Attendance of progress meeting with Poznecki-Camarillo SAWS or CoSA. Attendance of one coordination meeting with Poznecki-Camarillo and SAWS staff.
- ii. Site Visit(s): Attend one site visit with Poznecki-Camarillo Project Manager and Project Engineer.
- iii. Staff Meeting(s): Correspondence with Poznecki-Camarillo, SAWS and CoSA staff to obtain updated project information.
- iv. Public Meetings: NOT INCLUDED.

b. Design Documents

- i. Regulations research, background conflict research, and minimum design guidelines to be reflected in the 70% design phase deliverable.
- ii. Collect and review proposed project design existing water and sewer facilities (as identified by SAWS Block maps and as-built record drawings).
- iii. Identification of potential conflicts.
- iv. Identification of SAWS utilities at risk due to construction of the Project.
- v. Recommendations, if any, for SAWS utility relocation
- vi. Development and preparation of plan sheets and notes. It is assumed that the compilation of SAWS' standard water and sewer details will be included in the construction documents, as necessary. It is assumed that the Project will include SAWS' general standard notes, which will not be amended by the Engineer for this Project.
- vii. Development and preparation of SAWS Change of Service forms are to be included in this project.
- viii. Development of Opinion of Probable Construction Cost (OPCC).

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December 2, 2020



- ix. Development of plan sheets, quantity table per sheet and notes for Water Meter boxes, water valves and Sewer manholes adjustment within the project limits, details, notes and quantity table per sheet.
- x. Project technical specifications – Utilize SAWS Construction & Material standard Specification.
- xi. Front-end contract requirements – review SAWS additions to the CoSA General Conditions and determine conflicting language or recommend clarifications, if any.
- xii. Prepare and develop 70% Opinion of Probable Construction Cost (OPCC).
- c. Deliverables
 - i. 70% Engineering Plans set, 1 PDF.
 - ii. 70% OPCC. 1 – PDF.
 - iii. QA/QC checklists.
 - iv. Annotate plans for response to 70% comments.

III. 95% Design

Upon written Notice to Proceed (NTP) from Poznecki-Camarillo, Inc., BGE will complete the 95% design submittal, which includes the following:

- a. Meetings
 - i. Project Meetings: Attendance of progress meeting with Poznecki-Camarillo SAWS or CoSA. Attendance of one coordination meeting with Poznecki-Camarillo and SAWS staff.
 - ii. Site Visit(s): Attend one site visit with Poznecki-Camarillo Project Manager and Project Engineer.
 - iii. Staff Meeting(s): Correspondence with Poznecki-Camarillo, SAWS and CoSA staff to obtain updated project information.
 - iv. Public Meetings: NOT INCLUDED.
- b. Design Documents
 - i. Finalize Development and preparation of plan sheets and notes. It is assumed that the compilation of SAWS' standard water and sewer details will be included in the construction documents, as necessary. It is assumed that the Project will include SAWS' general standard notes, which will not be amended by the Engineer for this Project.
 - ii. Finalize Development and preparation of SAWS Change of Service forms are be included in this project.
 - iii. Finalize Development of Opinion of Probable Construction Cost (OPCC).
 - iv. Finalize plan sheets, quantity table per sheet and notes for Water Meter boxes, water valves and Sewer manholes adjustment within the project limits, details, notes and quantity table per sheet.
 - v. Project technical specifications – Utilize SAWS Construction & Material standard Specification.

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- vi. Front-end contract requirements – review SAWS additions to the CoSA General Conditions and determine conflicting language or recommend clarifications, if any.

c. Deliverables

- i. 95% Engineering Plans set, 1 PDF.
- ii. 95% OPCC. 1 – PDF.
- iii. QA/QC checklists.
- iv. Annotate plans for response to 95% comments.

IV. Final 100% design /Bid Phase Services

Upon receipt of 95% review comments, BGE will complete the Bid Phase services includes the following:

- a. Prepare final Engineering design plans for bid.
- b. Project Specifications; to include SAWS-provided standard technical specifications (SAWS standards and special specifications).
- c. Attendance at the Joint-Bid pre-construction conference. CoSA will lead the pre-bid conference and all direct communication with prospective bidders.
- d. Response to contractor questions via project addenda (assume 1 addenda).
- e. It is assumed that the review of all bidders will be conducted by CoSA and that BGE will not support the overall effort. BGE will review low bidder and/or their sub-contractor for general qualifications and check associated references in relation to SAWS project only.
- f. Analysis of variations in bid (compared to estimate) and recommendation of award.
- g. Issuance of conformed construction documents resulting from project addenda.
- h. Deliverables
 - i. 100% Signed and Sealed Engineering Plans set, 1 PDF.
 - ii. Conformed Signed and Sealed Engineering Plans set, 1 PDF.

V. Construction Phase Services

It is assumed that construction duration for the SAWS component of the Project is six (6) months.

BGE will support the Project during construction as follows:

- a. Project Management / Coordination
- b. Attend pre-construction conference and provide meeting minutes.
- c. Respond to requests for Information (RFIs)/modifications – 3 assumed.
- d. Project meetings/construction observation including construction observation reports – assume 1 site visit per month (6 total).
- e. Construction material submittal reviews, 3 assumed.
- f. Monthly pay estimate review.
- g. Review change orders – 2 change orders assumed, includes independent cost estimate, using latest RS mean cost estimate tools.

Fredericksburg Rd - (Culebra to W Craig Place 23-01582)
December 2, 2020



- h. Final completion – include final completion walkthrough and issuance of punchlist items.
- i. Deliverables
 - i. Construction observation reports in pdf format
 - ii. Shop drawing submittal log in pdf format
 - iii. Change order log in pdf format
 - iv. Monthly pay estimate concurrence in pdf format
 - v. Material testing log- NOT INCLUDED

VI. Close Out Phase

- a. Prepare Record Drawings of water facilities for review.
- b. Deliverables.
 - i. Record Drawings – Draft Review.
 - ii. Record Drawings – Final Submittal.

VII. Assumptions

- a. Topography Survey, base mapping, tree survey for easements and corresponding field notes are NOT INCLUDED in this proposal.
- b. Geotechnical NOT INCLUDED. BGE will utilize geotechnical borings and accompanying geotechnical design report provided by the County related to the County's roadway improvements project.
- c. Subsurface Utilities Engineering (SUE) NOT INCLUDED
- d. Environmental and Archeological professional services are not necessary for the construction of SAWS' portion of the project. All environmental and/or archeological permitting associated with pipeline relocations will be incorporated with the overall roadway improvement project managed by the County and will not be the responsibility of BGE.
- e. Preparation of tree protection plan sheets, permitting and coordination with COSA arborist are NOT INCLUDED in this proposal.
- f. An erosion and sedimentation control plan and a stormwater pollution prevention plan (SWPPP) – NOT INCLUDED (It is assumed that said documents will be developed by the County's project engineer).

UTILITY CONFLICT MATRIX

Project Name: Fredericksburg Road
 Project No: 23-01582
 Prepared By: LEONARD D. YOUNG, PE
 Engineering Design Firm: YPR
 Submittal: % 95%
 Date: 11/13/20



UTILITY	OWNER	LOCATION	STATION	CONFLICT DESCRIPTION	RECOMMENDED ACTION REQ'D	STATUS	UTILITY CONFLICT ID
COMM (EXIST) AT&T							
TELEPHONE POWER POLE #1	AT&T	FREDERICKSBURG ROAD	33+89	27.8' RT	CONFLICT W/PROP DRIVEWAY	RELOCATE POWER POLE	COORDINATE WIAT&T 48
UNDERGROUND TELEPHONE LINE (PROP AS BUILTS)	AT&T	FREDERICKSBURG ROAD	44+00	57+00	RT	CONFLICT W/PROP INLET & ROADWAY	VERIFY VERTICAL CLEARANCE COORDINATE WIAT&T 50A
TRAFFIC SIGNAL BOX	AT&T	FREDERICKSBURG ROAD	45+88	27.3'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT COORDINATE WIAT&T 90
TELEPHONE POWER POLE #6	AT&T	W ASHBY PL. FREDERICKSBURG ROAD	10+73	19.0'	RT	CONFLICT W/PROP SIDEWALK	RELOCATE POWER POLE COORDINATE WIAT&T 135
TH #13	POT/HOLE	FREDERICKSBURG ROAD	55+81	29.2'	LT	DEPTH TO TOP OF UTILITY 3.08'	AVOID THE INFRASTRUCTURE
FIBER PEDESTAL	AT&T	FREDERICKSBURG ROAD	86+30	36'	RT	CONFLICT W/PROP SIDEWALK	MITIGATE IMPACT CONFLICT RESOLVED WITH PROP IMPROVEMENTS 168
DRAINAGE (EXIST) COSA							
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	20+49	XING	LT	CONFLICT W/PROP SIDEWALK AND ROADWAY	VERIFY VERTICAL CLEARANCE COORDINATE WICOSA 1
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	21+4	XING	LT	CONFLICT W/PROP SIDEWALK AND ROADWAY	VERIFY VERTICAL CLEARANCE COORDINATE WICOSA 2
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	21+80	XING	LT	CONFLICT W/PROP SIDEWALK AND ROADWAY	VERIFY VERTICAL CLEARANCE COORDINATE WICOSA 3
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	22+24	XING	LT	CONFLICT W/PROP SIDEWALK AND ROADWAY	VERIFY VERTICAL CLEARANCE COORDINATE WICOSA 4
CURB INLET	COSA	FREDERICKSBURG ROAD	23+40	78.4'	LT	CONFLICT W/PROP SIDEWALK AND ROADWAY	VERIFY VERTICAL CLEARANCE COORDINATE WICOSA 5
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	22+54	XING	LT	CONFLICT W/PROP SIDEWALK AND ROADWAY	VERIFY VERTICAL CLEARANCE COORDINATE WICOSA 6
CURB INLET	COSA	FREDERICKSBURG ROAD	23+73	32.4'	RT	CONFLICT W/PROP CURB	VERIFY VERTICAL CLEARANCE COORDINATE WICOSA 17
STORM DRAIN LINE	COSA	PRINCETON AVE	10+44	XING	5.0'	LT	CONFLICT W/PROP INLET EXTENSIONS VERIFY VERTICAL CLEARANCE COORDINATE WICOSA 95
STORM DRAIN LINE	COSA	PRINCETON AVE	10+84	XING	RT	CONFLICT W/PROP RT INLET EXTENSIONS VERIFY VERTICAL CLEARANCE COORDINATE WICOSA 96	
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	47+67	XING		CONFLICT W/PROP LT AND RT INLET EXTENSIONS VERIFY VERTICAL CLEARANCE CONFLICT RESOLVED WITH PROP IMPROVEMENTS 97	
STORM DRAIN LINE	COSA	UNIVERSITY AVE	10+00	LT	10+54	LT	CONFLICT W/PROP SIDEWALK AND DRIVEWAY VERIFY VERTICAL CLEARANCE COORDINATE WICOSA 119

UTILITY CONFLICT MATRIX

Project Name: Fredericksburg Road
 Project No: 23-01582
 Prepared By: LEONARD D. YOUNG, PE
 Engineering Design Firm: YPR
 Submittal: % 95%
 Date: 11/13/20



UTILITY	OWNER	LOCATION	STATION	CONFLICT DESCRIPTION	RECOMMENDED ACTION REQ'D	STATUS	UTILITY CONFLICT ID
STORM DRAIN LINE	COSA	UNIVERSITY AVE	10+63	XING		CONFLICT W/PROP LT AND RT INLET EXTENSIONS VERIFY VERTICAL CLEARANCE CONFLICT RESOLVED WITH PROP IMPROVEMENTS 120	
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	49+83	XING		CONFLICT W/PROP LT AND RT INLET EXTENSIONS VERIFY VERTICAL CLEARANCE COORDINATE WICOSA 121	
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	54+37	XING	LT	CONFLICT W/PROP LT INLET EXTENSIONS VERIFY VERTICAL CLEARANCE COORDINATE WICOSA CONFLICT RESOLVED WITH PROP IMPROVEMENTS 127	
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	56+90	XING		CONFLICT W/PROP LT AND RT INLET EXTENSIONS VERIFY VERTICAL CLEARANCE CONFLICT RESOLVED WITH PROP IMPROVEMENTS 133	
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	58+94	XING		CONFLICT W/PROP LT AND RT INLET EXTENSIONS VERIFY VERTICAL CLEARANCE CONFLICT RESOLVED WITH PROP IMPROVEMENTS 134	
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	62+00	XING		CONFLICT W/PROP LT AND RT INLET EXTENSIONS VERIFY VERTICAL CLEARANCE CONFLICT RESOLVED WITH PROP IMPROVEMENTS 152	
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	63+63	XING		CONFLICT W/PROP LT AND RT INLET EXTENSIONS VERIFY VERTICAL CLEARANCE CONFLICT RESOLVED WITH PROP IMPROVEMENTS 153	
PROP DRAIN INLET	COSA	FREDERICKSBURG ROAD	70+19	8'	LT	CONFLICT W/DRAIN LATERALS VERIFY VERTICAL CLEARANCE ADJUST PROP INLET CONFLICT RESOLVED WITH PROP IMPROVEMENTS 168	
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	70+19	XING		CONFLICT W/PROP LT AND RT INLET EXTENSIONS VERIFY VERTICAL CLEARANCE CONFLICT RESOLVED WITH PROP IMPROVEMENTS 168A	
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	10+20	XING	42'	RT	CONFLICT W/PROP ADA RAMP VERIFY VERTICAL CLEARANCE COORDINATE WICOSA 168B
STORM DRAIN LINE	COSA	FREDERICKSBURG ROAD	72+21	XING		CONFLICT W/PROP LT AND RT INLET EXTENSIONS VERIFY VERTICAL CLEARANCE CONFLICT RESOLVED WITH PROP IMPROVEMENTS 169	
TRAFFIC (EXIST) COSA							
TRAFFIC SIGNAL LIGHT POLE #01	COSA	FREDERICKSBURG ROAD	22+37	37.4'	LT	CONFLICT W/PROP SIDEWALK RELOCATE TRAFFIC SIGNAL LIGHT POLE COORDINATE WICOSA 7	
TRAFFIC SIGNAL LIGHT POLE #02	COSA	FREDERICKSBURG ROAD	22+99	48'	RT	CONFLICT W/PROP ADA RAMP RELOCATE TRAFFIC SIGNAL LIGHT POLE COORDINATE WICOSA 8	
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	22+08	52.6'	RT	CONFLICT W/PROP ADA RAMP RELOCATE TRAFFIC PULL BOX COORDINATE WICOSA 9	
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	22+17	66'	RT	CONFLICT W/PROP ADA RAMP RELOCATE TRAFFIC PULL BOX COORDINATE WICOSA 10	
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	22+17	55.9'	RT	CONFLICT W/PROP ADA RAMP RELOCATE TRAFFIC PULL BOX COORDINATE WICOSA 11	
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	22+57	59.5'	LT	CONFLICT W/PROP ADA RAMP RELOCATE TRAFFIC PULL BOX COORDINATE WICOSA 12	
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	22+53	88.3'	LT	CONFLICT W/PROP ADA RAMP RELOCATE TRAFFIC PULL BOX COORDINATE WICOSA 13	
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	23+96	70.2'	LT	CONFLICT W/PROP SIDEWALK RELOCATE TRAFFIC PULL BOX COORDINATE WICOSA 14	

UTILITY CONFLICT MATRIX

Project Name: Fredericksburg Road
 Project No: 23-01582
 Prepared By: LEONARD D. YOUNG, PE
 Engineering Design Firm: YPR
 Submittal: % 95%
 Date: 11/13/20



UTILITY	OWNER	LOCATION	STATION		CONFLICT DESCRIPTION	RECOMMENDED ACTION REQ'D	STATUS	UTILITY CONFLICT ID	
LIGHT LUMINAIRE	COSA	FREDERICKSBURG ROAD	22+14	68.2	RT	CONFLICT W/PROP ADA RAMP	VERIFY VERTICAL CLEARANCE	COORDINATE W/COSA	15
TRAFFIC SIGNAL LIGHT PEDESTAL	COSA	FREDERICKSBURG ROAD	22+12	60.1	RT	CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC PEDESTAL	COORDINATE W/COSA	16
TRAFFIC SIGNAL LIGHT POLE #04	COSA	FREDERICKSBURG ROAD	25+43	33.10'	LT	CONFLICT W/PROP ADA RAMP	RELOCATE TRAFFIC SIGNAL LIGHT POLE	COORDINATE W/COSA	20
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	25+44	32.00'	LT	CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC PULL BOX	COORDINATE W/COSA	21
TRAFFIC SIGNAL LIGHT POLE #05	COSA	FREDERICKSBURG ROAD	25+31	45.0'	LT	CONFLICT W/PROP ADA RAMP	RELOCATE TRAFFIC SIGNAL LIGHT POLE	COORDINATE W/COSA	22
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	25+22	39'	RT	CONFLICT W/PROP ADA RAMP	RELOCATE TRAFFIC PULL BOX	COORDINATE W/COSA	23
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	25+31	39'	RT	CONFLICT W/PROP ADA RAMP	RELOCATE TRAFFIC PULL BOX	COORDINATE W/COSA	24
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	24+01	66'	LT	CONFLICT W/PROP ADA RAMP	RELOCATE TRAFFIC PULL BOX	COORDINATE W/COSA	25
LIGHT LUMINAIRE	COSA	FREDERICKSBURG ROAD	24+09	67'	RT	CONFLICT W/PROP SIDEWALK	VERIFY VERTICAL CLEARANCE	COORDINATE W/COSA	26
TRAFFIC SIGNAL LIGHT POLE #06	COSA	FREDERICKSBURG ROAD	26+06	40.2'	RT	CONFLICT W/PROP CURB	RELOCATE TRAFFIC SIGNAL LIGHT POLE	COORDINATE W/COSA	31
TRAFFIC SIGNAL LIGHT POLE #07	COSA	FREDERICKSBURG ROAD	24+73	37.9'	LT	CONFLICT W/PROP CURB	RELOCATE TRAFFIC SIGNAL LIGHT POLE	COORDINATE W/COSA	32
TRAFFIC SIGNAL LIGHT POLE #10	COSA	FREDERICKSBURG ROAD	32+78	38.9'	LT	CONFLICT W/PROP CURB	RELOCATE TRAFFIC SIGNAL LIGHT POLE	COORDINATE W/COSA	33
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	33+04	35.3'	LT	CONFLICT W/PROP CURB	RELOCATE TRAFFIC PULL BOX	COORDINATE W/COSA	34
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	33+33	42.0'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	35
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	35+22	23.9'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	36
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	33+45	24.7'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	37
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	37+55	24.6'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	38
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	38+89	24.2'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	39
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	41+52	24.9'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	75
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	43+89	23.8'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	76
TRAFFIC SIGNAL LIGHT POLE #11	COSA	FREDERICKSBURG ROAD	44+05	24.6'	LT	CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC SIGNAL LIGHT POLE	COORDINATE W/CPS	77
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	44+72	23.2'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/TXDOT	78

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UTILITY CONFLICT MATRIX

Project Name: Fredericksburg Road
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 Prepared By: LEONARD D. YOUNG, PE
 Engineering Design Firm: YPR
 Submittal: % 95%
 Date: 11/13/20



UTILITY	OWNER	LOCATION	STATION		CONFLICT DESCRIPTION	RECOMMENDED ACTION REQ'D	STATUS	UTILITY CONFLICT ID	
TRAFFIC SIGNAL LIGHT POLE #12	COSA	FREDERICKSBURG ROAD	45+01	24.6'	LT	CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC SIGNAL LIGHT POLE	COORDINATE W/CPS	79
TRAFFIC SIGNAL LIGHT PEDESTAL	COSA	FREDERICKSBURG ROAD	45+83	25.8'	LT	CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC PEDESTAL	COORDINATE W/CPS	80
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	47+08	24.7'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	81
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	47+59	24.8'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	82
TRAFFIC SIGNAL LIGHT POLE #13	COSA	FREDERICKSBURG ROAD	47+69	26.5'	LT	CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC SIGNAL LIGHT POLE	COORDINATE W/CPS	83
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	47+84	38.9'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	84
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	47+84	39.3'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	85
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	44+60	23.5'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/TXDOT	87
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	45+83	28.7'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	88
TRAFFIC SIGNAL LIGHT POLE #14	COSA	FREDERICKSBURG ROAD	45+89	27.3'	RT	CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC SIGNAL LIGHT POLE	COORDINATE W/COSA	89
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	45+98	24.7'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	91
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	48+42	24.0'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	92
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	47+57	24.1'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	93
TRAFFIC SIGNAL LIGHT PEDESTAL	COSA	FREDERICKSBURG ROAD	47+86	27.2'	RT	CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC PEDESTAL	COORDINATE W/COSA	94
TRAFFIC SIGNAL LIGHT PEDESTAL	COSA	FREDERICKSBURG ROAD	48+06	29.6'	LT	CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC PEDESTAL	COORDINATE W/COSA	99
TRAFFIC SIGNAL LIGHT POLE #15	COSA	FREDERICKSBURG ROAD	48+53	26.9'	RT	CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC SIGNAL LIGHT POLE	COORDINATE W/COSA	100
TRAFFIC SIGNAL LIGHT POLE #16	COSA	FREDERICKSBURG ROAD	48+76	27.7'	RT	CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC SIGNAL LIGHT POLE	COORDINATE W/COSA	101
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	48+86	23.7'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/TXDOT	102
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	50+46	24.6'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	103
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	51+37	24.3'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	104
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	48+76	24.6'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/TXDOT	105
TRAFFIC SIGNAL LIGHT POLE #17	COSA	FREDERICKSBURG ROAD	56+83	30.2'	LT	CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC SIGNAL LIGHT POLE	COORDINATE W/COSA	106

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UTILITY CONFLICT MATRIX

Project Name: Fredericksburg Road
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 Prepared By: LEONARD D. YOUNG, PE
 Engineering Design Firm: YPR
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UTILITY	OWNER	LOCATION	STATION		CONFLICT DESCRIPTION	RECOMMENDED ACTION REQ'D	STATUS	UTILITY CONFLICT ID
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	53+66		LT CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/XTDOT	107
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	52+66	22.9'	RT CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	108
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	53+57	23.0'	RT CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	109
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	54+64	23.2'	RT CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	110
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	55+71	35.8'	RT CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	111
TRAFFIC SIGNAL LIGHT POLE #18	COSA	FREDERICKSBURG ROAD	55+89	25.9'	RT CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC SIGNAL LIGHT POLE	COORDINATE W/COSA	112
TRAFFIC SIGNAL LIGHT POLE #19	COSA	FREDERICKSBURG ROAD	56+52	35.0'	LT CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC SIGNAL LIGHT POLE	CONFLICT RESOLVED WITH PROP IMPROVEMENTS	129
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	58+07	23.6'	LT CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	131
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	58+92	23.9'	LT CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	132
TRAFFIC SIGNAL LIGHT POLE #20	COSA	FREDERICKSBURG ROAD	61+32	26.9'	LT CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC SIGNAL LIGHT POLE	COORDINATE W/COSA	150
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	61+87	24.6'	LT CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	151
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	61+79	24.6'	RT CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	151A
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	67+53	22'	LT CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	163
TRAFFIC PULL BOX	COSA	FREDERICKSBURG ROAD	67+53	22'	LT CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/COSA	164
TRAFFIC SIGNAL LIGHT PEDESTAL	COSA	FREDERICKSBURG ROAD	65+44	27'	RT CONFLICT W/PROP SIDEWALK	RELOCATE TRAFFIC SIGNAL LIGHT POLE	CONFLICT RESOLVED WITH PROP IMPROVEMENTS	165
ELECTRIC (EXIST) CPS								
ELECTRIC POLE #1	CPS	FREDERICKSBURG ROAD	25+76	23.7'	LT CONFLICT W/PROP ADA RAMP	RELOCATE POWER POLE	COORDINATE W/CPS	27
ELECTRIC PULLBOX	CPS	FREDERICKSBURG ROAD	25+89	24.0'	LT CONFLICT W/PROP SIDEWALK	RELOCATE PULLBOX	COORDINATE W/CPS	28
ELECTRIC POLE #2	CPS	FREDERICKSBURG ROAD	28+11	26.0'	LT CONFLICT W/PROP ADA RAMP	RELOCATE POWER POLE	COORDINATE W/CPS	29
ELECTRIC PULLBOX	CPS	FREDERICKSBURG ROAD	28+12	23.1'	LT CONFLICT W/PROP ADA RAMP	RELOCATE PULLBOX	COORDINATE W/CPS	30

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POWER POLE #14	CPS	FREDERICKSBURG ROAD	35+27	25.9'	LT CONFLICT W/PROP SIDEWALK (REQUIRE 0.5 FEET OF ADA CLEARANCE)	RELOCATE POWER POLE	COORDINATE W/CPS	52
POWER POLE #15	CPS	FREDERICKSBURG ROAD	37+54	26.1'	LT CONFLICT W/PROP SIDEWALK (REQUIRE 0.2 FEET OF ADA CLEARANCE)	RELOCATE POWER POLE	COORDINATE W/CPS	53
POWER POLE #17	CPS	FREDERICKSBURG ROAD	39+48	26.7'	LT CONFLICT W/PROP SIDEWALK	RELOCATE POWER POLE	NO LONGER A CONFLICT (MEETS ADA CLEARANCE)	54
POWER POLE #18	CPS	FREDERICKSBURG ROAD	36+88	27.6'	RT CONFLICT W/PROP DRIVEWAY	RELOCATE POWER POLE	COORDINATE W/CPS	55
GUY ANCHOR	CPS	FREDERICKSBURG ROAD	37+07	25.6'	RT CONFLICT W/PROP SIDEWALK	POTENTIAL ADJUSTMENT	COORDINATE W/CPS	55A
POWER POLE #19	CPS	FREDERICKSBURG ROAD	40+80	28.0'	LT CONFLICT W/PROP SIDEWALK	RELOCATE POWER POLE	NO LONGER A CONFLICT (MEETS ADA CLEARANCE)	69
POWER POLE #21	CPS	FREDERICKSBURG ROAD	43+30	29.7'	LT CONFLICT W/PROP ADA RAMP	RELOCATE POWER POLE	COORDINATE W/CPS	70
POWER POLE #23	CPS	FREDERICKSBURG ROAD	42+74	37.8'	RT CONFLICT W/PROP SIDEWALK	RELOCATE POWER POLE	NO LONGER A CONFLICT (MEETS ADA CLEARANCE)	71
POWER POLE #24	CPS	FREDERICKSBURG ROAD	44+05	26.1'	LT CONFLICT W/PROP SIDEWALK	RELOCATE POWER POLE	NO LONGER A CONFLICT (MEETS ADA CLEARANCE)	72
POWER POLE #25	CPS	FREDERICKSBURG ROAD	45+87	26.8'	LT CONFLICT W/PROP ADA RAMP & PROP TRAF SIGNAL POLE	RELOCATE POWER POLE	COORDINATE W/CPS	73
POWER POLE #29	CPS	FREDERICKSBURG ROAD	47+34	27.6'	RT CONFLICT W/PROP SIDEWALK	RELOCATE POWER POLE	NO LONGER A CONFLICT (MEETS ADA CLEARANCE)	74
ELECTRIC GUY DEADMAN POLE	CPS	FREDERICKSBURG ROAD	47+80	26.8'	LT CONFLICT W/PROP SIDEWALK	RELOCATE POWER POLE	NO LONGER A CONFLICT (MEETS ADA CLEARANCE)	86
POWER POLE #30	CPS	FREDERICKSBURG ROAD	48+88	27.7'	LT CONFLICT W/PROP SIDEWALK	RELOCATE POWER POLE	NO LONGER A CONFLICT (MEETS ADA CLEARANCE)	113
POWER POLE #31	CPS	UNIVERSITY AVE	10+46	18.5'	LT CONFLICT W/PROP SIDEWALK	RELOCATE POWER POLE	COORDINATE W/CPS	114
POWER POLE #31A	CPS	UNIVERSITY AVE	10+88	17.9'	LT CONFLICT W/PROP SIDEWALK (REQUIRE 1.5 FEET OF ADA CLEARANCE)	RELOCATE POWER POLE	COORDINATE W/CPS	115
POWER POLE #32	CPS	FREDERICKSBURG ROAD	49+99	25.9'	LT CONFLICT W/PROP SIDEWALK & INLET	RELOCATE POWER POLE	COORDINATE W/CPS	116
POWER POLE #33	CPS	FREDERICKSBURG ROAD	51+61	25.5'	LT CONFLICT W/PROP SIDEWALK (REQUIRE 0.5 FEET OF ADA CLEARANCE)	RELOCATE POWER POLE	COORDINATE W/CPS	117
POWER POLE #35	CPS	FREDERICKSBURG ROAD	51+10	27.0'	RT CONFLICT W/PROP SIDEWALK	RELOCATE POWER POLE	NO LONGER A CONFLICT (MEETS ADA CLEARANCE)	118
POWER POLE #40	CPS	FREDERICKSBURG ROAD	55+73	42.4'	RT CONFLICT W/PROP SIDEWALK	RELOCATE POWER POLE	CONFLICT RESOLVED WITH PROP IMPROVEMENTS	126
FIBER OPTIC MANHOLE	CPS	FREDERICKSBURG ROAD	72+93	23.4'	RT CONFLICT W/PROP SIDEWALK	ADJUST MANHOLE	COORDINATE W/CPS	174
GAS (EXIST) CPS								

UTILITY CONFLICT MATRIX

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GAS LINE	CPS	FREDERICKSBURG ROAD	28+21	XING		LT	CONFLICT W/PROP ADA RAMP & ROADWAY	VERIFY VERTICAL CLEARANCE	COORDINATE W/CPS	55A
GAS LINE	CPS	FREDERICKSBURG ROAD	35+06	XING		LT	CONFLICT W/PROP SIDEWALK & ROADWAY	VERIFY VERTICAL CLEARANCE	COORDINATE W/CPS	55
GAS LINE	CPS	FREDERICKSBURG ROAD	35+72	XING		RT	CONFLICT W/PROP SIDEWALK & ROADWAY	VERIFY VERTICAL CLEARANCE	COORDINATE W/CPS	56
GAS LINE	CPS	FREDERICKSBURG ROAD	38+67	XING		LT	CONFLICT W/PROP SIDEWALK & ROADWAY	VERIFY VERTICAL CLEARANCE	COORDINATE W/CPS	56A
GAS LINE	CPS	PRINCETON AVE	10+75		9.45'	RT	CONFLICT W/PROP INLET	VERIFY VERTICAL CLEARANCE	COORDINATE W/CPS	56B
TH #97	POTHOLE	PRINCETON AVE	10+75		9.45'	RT	DEPTH TO TOP OF UTILITY 2.60'	AVOID THE INFRASTRUCTURE		
GAS LINE	CPS	FREDERICKSBURG ROAD	42+04	XING		LT	CONFLICT W/PROP SIDEWALK & ROADWAY	VERIFY VERTICAL CLEARANCE	COORDINATE W/CPS	58
TH #98	POTHOLE	FREDERICKSBURG ROAD	45+82		35.89'	RT	DEPTH TO TOP OF UTILITY 4.88'	AVOID THE INFRASTRUCTURE		
GAS LINE (FROM AS-BUILTS)	CPS	FREDERICKSBURG ROAD	45+88	XING		RT	CONFLICT W/PROP SIDEWALK & ROADWAY	VERIFY VERTICAL CLEARANCE	COORDINATE W/CPS	98A
GAS LINE	CPS	UNIVERSITY AVE	10+54		3.0'	RT	CONFLICT W/PROP INLET	VERIFY VERTICAL CLEARANCE	COORDINATE W/CPS	98B
TH #11	POTHOLE	UNIVERSITY AVE	10+54		3.0'	RT	DEPTH TO TOP OF UTILITY 4.81'	AVOID THE INFRASTRUCTURE		
GAS VALVE	CPS	FREDERICKSBURG ROAD	67+07		23.1'			1 RELOCATE GAS VALVE	COORDINATE W/CPS	167
WATER (EXIST) SAWS										
WATER METER	SAWS	N FLORES ST	22+54		71.7	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	18
12" WATER MAIN	SAWS	FREDERICKSBURG ROAD	23+29	LONG			CONFLICT W/PROP ADA RAMP	VERIFY VERTICAL CLEARANCE	COORDINATE W/SAWS	18A
WATER METER	SAWS	N FLORES ST	22+46		130.6	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	19
WATER METER	SAWS	N FLORES ST	12+84		30.7	LT	CONFLICT W/PROP DRIVEWAY	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	5A
TH #01	POTHOLE	FREDERICKSBURG ROAD	32+52		28'	RT	DEPTH TO TOP OF UTILITY 4.56'	AVOID THE INFRASTRUCTURE		
8" WATER MAIN	SAWS	FREDERICKSBURG ROAD	33+54	LONG	22.8	LT	CONFLICT W/PROP INLET	VERIFY VERTICAL CLEARANCE	COORDINATE W/SAWS	5B

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TH #02	POTHOLE	FREDERICKSBURG ROAD	33+74		22.8'	LT	DEPTH TO TOP OF UTILITY 3.02'	AVOID THE INFRASTRUCTURE		
TH #03	POTHOLE	FREDERICKSBURG ROAD	34+90		21.6'	LT	DEPTH TO TOP OF UTILITY 4.42'	AVOID THE INFRASTRUCTURE		
8" WATER MAIN	SAWS	FREDERICKSBURG ROAD	34+84	LONG	22.5'	LT	CONFLICT W/PROP INLET	VERIFY VERTICAL CLEARANCE	COORDINATE W/SAWS	5C
WATER METER	SAWS	FREDERICKSBURG ROAD	35+29		25.5'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	40
WATER METER	SAWS	FREDERICKSBURG ROAD	33+80		27.6'	RT	CONFLICT W/PROP DRIVEWAY	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	41
WATER VALVE	SAWS	FREDERICKSBURG ROAD	37+68		20.6'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	42
8" PVC WATER MAIN	SAWS	FREDERICKSBURG ROAD	37+68	LONG			CONFLICT W/PROP SIDEWALK	VERIFY VERTICAL CLEARANCE	COORDINATE W/SAWS	43
WATER VALVE	SAWS	FREDERICKSBURG ROAD	37+69		18.3'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	44
WATER METER	SAWS	FREDERICKSBURG ROAD	39+93		25.2'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	45
WATER METER	SAWS	FREDERICKSBURG ROAD	39+95		24.7'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	46
WATER METER	SAWS	FREDERICKSBURG ROAD	38+29		25.6'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	47
TH #04	POTHOLE	FREDERICKSBURG ROAD	40+05		19.8'	LT	DEPTH TO TOP OF UTILITY 4.23'	AVOID THE INFRASTRUCTURE		
8" DI WATER MAIN	SAWS	FREDERICKSBURG ROAD	40+75		74+30	LT	CONFLICT W/PROP CURB INLET	VERIFY VERTICAL CLEARANCE	COORDINATE W/SAWS	57
8" AC WATER MAIN	SAWS	FREDERICKSBURG ROAD	40+76	XING			CONFLICT W/PROP DRIVEWAY	VERIFY VERTICAL CLEARANCE	COORDINATE W/SAWS	58
WATER VALVE	SAWS	FREDERICKSBURG ROAD	40+76		20.8'	LT	CONFLICT W/PROP DRIVEWAY	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	59
TH #05	POTHOLE	FREDERICKSBURG ROAD	41+60		20.4'	LT	DEPTH TO TOP OF UTILITY 4.00'	AVOID THE INFRASTRUCTURE		
WATER METER	SAWS	FREDERICKSBURG ROAD	41+99		26.9'	LT	CONFLICT W/PROP DRIVEWAY	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	60
WATER METER	SAWS	FREDERICKSBURG ROAD	42+56		27.6'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	61
8" DI WATER MAIN	SAWS	FREDERICKSBURG ROAD	43+16	XING		LT	CONFLICT W/PROP SIDEWALK	VERIFY VERTICAL CLEARANCE	COORDINATE W/SAWS	62
WATER VALVE	SAWS	FREDERICKSBURG ROAD	43+16		22.3'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	63
WATER METER	SAWS	FREDERICKSBURG ROAD	41+75		26.4'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	65
TH #06	POTHOLE	PRINCETON AVE	10+75		11.3'	LT	DEPTH TO TOP OF UTILITY 3.19'	AVOID THE INFRASTRUCTURE		

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UTILITY CONFLICT MATRIX

Project Name: Fredericksburg Road
 Project No: 23-01582
 Prepared By: LEONARD D. YOUNG, PE
 Engineering Design Firm: YPR
 Submittal: % 95%
 Date: 11/13/20



UTILITY	OWNER	LOCATION	STATION		CONFLICT DESCRIPTION	RECOMMENDED ACTION REQ'D	STATUS	UTILITY CONFLICT ID	
8" DI WATER MAIN	SAWS	PRINCETON AVE FREDERICKSBURG ROAD	10+75	11.3'	LT	CONFLICT W/PROP INLET	VERIFY VERTICAL CLEARANCE	COORDINATE W/SAWS	56C
8" DI WATER MAIN	SAWS	FREDERICKSBURG ROAD	43+98	44+42	LT	CONFLICT W/PROP INLET	ADJUST EXISTING INLET	COORDINATE W/SAWS	66
8" DI WATER MAIN	SAWS	FREDERICKSBURG ROAD	48+79	17.7'	LT	CONFLICT W/PROP STORM DRAIN	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	66A
WATER METER	SAWS	FREDERICKSBURG ROAD	45+24	27.0'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	67
WATER METER	SAWS	UNIVERSITY AVE	10+38	28.9'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	122
WATER METER	SAWS	UNIVERSITY AVE	10+39	23.2'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	123
TH #98	POTHOLE	FREDERICKSBURG ROAD	44+17	20.0'	LT	DEPTH TO TOP OF UTILITY 3.08'	AVOID THE INFRASTRUCTURE		
TH #10	POTHOLE	FREDERICKSBURG ROAD	46+79	17.7'	LT	DEPTH TO TOP OF UTILITY 5.32'	AVOID THE INFRASTRUCTURE		
WATER METER	SAWS	FREDERICKSBURG ROAD	48+98	27.0'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	124
TH #12	POTHOLE	UNIVERSITY AVE	10+54	7.2'	RT	DEPTH TO TOP OF UTILITY 2.83'	AVOID THE INFRASTRUCTURE		
WATER MAIN	SAWS	UNIVERSITY AVE	10+54	7.2'	RT	CONFLICT W/PROP INLET	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	123A
WATER METER	SAWS	FREDERICKSBURG ROAD	52+64	27.6'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	125
WATER METER	SAWS	FREDERICKSBURG ROAD	54+74		LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	126
TH #14	POTHOLE	FREDERICKSBURG ROAD	56+46	31.3'	LT	DEPTH TO TOP OF UTILITY 5.58'	AVOID THE INFRASTRUCTURE		
TH #15	POTHOLE	FREDERICKSBURG ROAD	56+91	15.7'	LT	DEPTH TO TOP OF UTILITY 3.78'	AVOID THE INFRASTRUCTURE		
8" DI WATER MAIN	SAWS	FREDERICKSBURG ROAD	56+91	15.6'	LT	CONFLICT W/PROP STORM DRAIN	VERTICAL ADJUSTMENT	COORDINATE W/SAWS CONFLICT RESOLVED WITH PROP IMPROVEMENTS	133A
WATER METER	SAWS	FREDERICKSBURG ROAD	57+94	26.4'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	130
WATER VALVE	SAWS	FREDERICKSBURG ROAD	61+09	13.3'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	136
WATER VALVE	SAWS	FREDERICKSBURG ROAD	61+18	12.6'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	137
WATER METER	SAWS	FREDERICKSBURG ROAD	62+47	25.0'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	138
WATER METER	SAWS	FREDERICKSBURG ROAD	63+49	25.2'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	139
WATER METER	SAWS	FREDERICKSBURG ROAD	63+51	26.0'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	140

UTILITY CONFLICT MATRIX

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UTILITY	OWNER	LOCATION	STATION		CONFLICT DESCRIPTION	RECOMMENDED ACTION REQ'D	STATUS	UTILITY CONFLICT ID	
WATER METER	SAWS	FREDERICKSBURG ROAD	63+63	25.9'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	141
WATER METER	SAWS	FREDERICKSBURG ROAD	63+55	25.7'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	142
WATER METER	SAWS	FREDERICKSBURG ROAD	63+56	25.9'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	143
WATER METER	SAWS	FREDERICKSBURG ROAD	61+29	25.6'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	144
WATER METER	SAWS	FREDERICKSBURG ROAD	61+30	25.5'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	145
WATER METER	SAWS	FREDERICKSBURG ROAD	61+32	25.6'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	146
WATER METER	SAWS	FREDERICKSBURG ROAD	63+36	24.5'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	147
WATER METER	SAWS	FREDERICKSBURG ROAD	63+37	23.9'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	148
WATER METER	SAWS	FREDERICKSBURG ROAD	63+38	24.4'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	149
8" DI WATER MAIN	SAWS	W FRENCH PL	10+37	9'	LT	CONFLICT W/PROP INLET	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	154
WATER VALVE	SAWS	FREDERICKSBURG ROAD	68+71	25'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS CONFLICT RESOLVED WITH PROP IMPROVEMENTS	155
WATER METER	SAWS	FREDERICKSBURG ROAD	67+33	26.5'	RT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	156
WATER METER	SAWS	FREDERICKSBURG ROAD	68+30	26.1'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	157
WATER METER	SAWS	FREDERICKSBURG ROAD	68+54	26.1'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	159
WATER METER	SAWS	FREDERICKSBURG ROAD	68+62	25.2'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	159
WATER METER	SAWS	FREDERICKSBURG ROAD	69+62	26.4'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	160
WATER VALVE	SAWS	FREDERICKSBURG ROAD	69+89	19.3'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	161
WATER VALVE	SAWS	FREDERICKSBURG ROAD	69+91	18.2'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	162
TH #16	POTHOLE	FREDERICKSBURG ROAD	70+19	17.45'	LT	DEPTH TO TOP OF UTILITY 4.05'	AVOID THE INFRASTRUCTURE		
FIRE HYDRANT	SAWS	FREDERICKSBURG ROAD	72+05	26.8'	LT	CONFLICT W/PROP SIDEWALK	VERTICAL ADJUSTMENT	COORDINATE W/SAWS	170
8" DI WATER MAIN	SAWS	FREDERICKSBURG ROAD	72+21	20'	LT	CONFLICT W/PROP STORM DRAIN	ADJUST EXISTING INLET	COORDINATE W/SAWS	171
TH #17	POTHOLE	FREDERICKSBURG ROAD	72+21	20.2'	LT	DEPTH TO TOP OF UTILITY 4.23'	AVOID THE INFRASTRUCTURE		







