

**SUBSURFACE UTILITY EXCAVATION
VACUUM TEST HOLE REPORT**

SR 700 (US 98) From E. of Floral Dr. to N. of Bridge 090032

FP ID: 448936-1-32-01 / 448936-1-32-02

Vvh No.	TEST HOLE DATE	UTILITY DESCRIPTION		UTILITY LOCATION & ALIGNMENT INFORMATION					HUB ELEVATION	UTILITY COVER	TOP OF UTILITY ELEVATION
		UTILITY OWNER	SIZE - MATERIAL - TYPE	NORTHING	EASTING	BASELINE	STATION	OFFSET LT(-)/RT(+)			
1	12/11/2023	SPRING LAKE	10" PVC FM	1126955.45	551501.36	SR 700	367+80.19	-24.08	44.36'	3.87'	40.49'
2	12/11/2023	CENTURYLINK	0.50" DB BT	1128489.44	555867.01	SR 700	414+99.88	49.98	49.55'	2.40'	47.15'
3	12/11/2023	CENTURYLINK	1" DB BT	1128490.98	555866.43	SR 700	415+00.08	48.35	49.43'	2.72'	46.71'
4	12/11/2023	CENTURYLINK	3.50" DB BT	1128493.54	555864.99	SR 700	414+99.99	45.42	49.21'	2.93'	46.28'
5	12/11/2023	CENTURYLINK	0.50" DB FOC	1128495.00	555864.01	SR 700	414+99.81	43.67	49.06'	3.41'	45.65'
6	12/11/2023	CENTURYLINK	0.50" DB BT	1128497.81	555862.78	SR 700	415+00.03	40.61	48.65'	2.09'	46.56'
7	12/11/2023	COMCAST	N.F.V. SIZE & MATERIAL (DUE TO WATER & CAVE-INS) FOC	1128500.93	555860.96	SR 700	414+99.86	37.00	48.01'	5.92'	42.09'
8	12/11/2023	COMCAST	1" DB CATV	1128506.41	555857.76	SR 700	414+99.59	30.66	48.10'	2.43'	45.67'
9	12/12/2023	COMCAST	1" DB CATV	1128659.99	556151.36	SR 700	418+30.93	31.40	49.14'	2.16'	46.98'
10	12/12/2023	COMCAST	N.F.V. SIZE & MATERIAL (DUE TO WATER & CAVE-INS) FOC	1128652.78	556154.10	SR 700	418+29.99	39.06	48.28'	5.36'	42.92'
11	12/12/2023	CENTURYLINK	0.50" DB BT	1128651.28	556154.87	SR 700	418+29.98	40.74	48.55'	1.75'	46.80'
12	12/12/2023	CENTURYLINK	2" PE FOC	1128649.11	556156.24	SR 700	418+30.18	43.30	49.03'	3.26'	45.77'
13	12/12/2023	CENTURYLINK	3.50" DB BT	1128647.72	556156.72	SR 700	418+29.96	44.75	49.27'	2.57'	46.70'
14	12/12/2023	CENTURYLINK	1" DB BT	1128645.64	556157.75	SR 700	418+29.90	47.08	49.73'	2.60'	47.13'
15	12/12/2023	CENTURYLINK	0.50" DB BT	1128642.14	556159.76	SR 700	418+30.05	51.11	50.03'	2.53'	47.50'
16	12/13/2023	CENTURYLINK	0.50" DB BT	1128682.87	556236.81	SR 700	419+17.20	50.93	50.41'	2.51'	47.90'
17	12/13/2023	COMCAST	1.50" PE CATV	1128686.54	556235.19	SR 700	419+17.48	46.93	49.99'	2.42'	47.57'
18	12/13/2023	CENTURYLINK	3.50" DB BT	1128688.26	556234.01	SR 700	419+17.23	44.86	49.73'	3.00'	46.73'
19	12/13/2023	CENTURYLINK	0.50" DB FOC	1128691.09	556232.57	SR 700	419+17.28	41.68	49.24'	2.82'	46.42'
20	12/13/2023	COMCAST	N.F.V. SIZE & MATERIAL (DUE TO WATER & CAVE-INS) FOC	1128693.38	556231.14	SR 700	419+17.08	38.99	48.74'	4.77'	43.97'
21	12/13/2023	CENTURYLINK	1" DB BT	1128685.67	556235.78	SR 700	419+17.60	47.97	50.12'	2.61'	47.51'
22	12/13/2023	CENTURYLINK	0.25" DB BT	1128689.55	556233.67	SR 700	419+17.53	43.55	49.59'	2.06'	47.53'
23	12/13/2023	COMCAST	1" DB CATV	1128699.96	556226.34	SR 700	419+15.89	30.93	48.48'	2.32'	46.16'
24	12/13/2023	SPRING LAKE	6" HDPE FM	1130182.06	559506.70	SR 700	455+27.00	-25.64	47.91'	3.64'	44.27'
25	12/13/2023	SPRING LAKE	6" PVC FM	1130395.34	560219.63	SR 700	462+71.15	-25.42	44.47'	2.84'	41.63'

SUBSURFACE UTILITY SURVEY REPORT

- THE INTENT OF THE SURVEY IS TO LOCATE QUALITY LEVEL 'A' & 'B' SUBSURFACE UTILITY ENGINEERING ALONG SR 700 (US98) FROM E. OF FLORAL DR. TO NORTH OF BRIDGE 090032.
- SURVEY WORK WAS COMPLETED ON DECEMBER 15, 2023.
- HORIZONTAL DATUM IS RELATIVE TO FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT OF 2011 (NAD 83/11), U.S. SURVEY FEET.
- VERTICAL DATUM USED FOR THIS PROJECT IS IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- SURFACE ELEVATIONS AND UTILITY COVER MEASUREMENTS ARE VALID AT THE DATE OF THIS SURVEY ONLY AS SURFACE GRADE CONDITIONS MAY CHANGE OVER TIME.
- THIS SURVEY WAS COMPLETED UTILIZING INDUSTRY RECOGNIZED EQUIPMENT AND PROCEDURE FOR FINDING AND LOCATING UNDERGROUND UTILITIES. ALTHOUGH EFFECTIVE AND RELIABLE, THERE IS THE POSSIBILITY THAT ALL UTILITIES MAY NOT BE DETECTED DUE TO ENVIRONMENTAL CONDITIONS, SOIL CONDITIONS, WATER TABLE, EXCESSIVE DEPTH, AND/OR FEATURE MAKEUP.
- UTILITY SIZE AND MATERIAL COMPOSITION WERE COLLECTED BY FIELD OBSERVATION UNDER ADVERSE CONDITIONS AND SHOULD BE CONSIDERED APPROXIMATE.

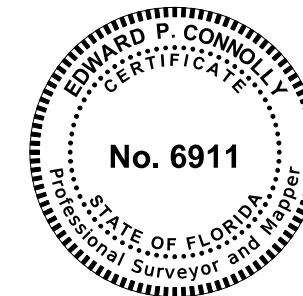
- UTILITY SIZE REFLECTS THE APPROXIMATE OUTSIDE DIAMETER UNLESS OTHERWISE SPECIFIED.
- UTILITY OWNER'S NAMES USED IN THIS REPORT REFLECT INFORMATION OBTAINED FROM FIELD OBSERVATIONS, FIELD MEETINGS, AND UTILITY RESEARCH AND MAY NOT REFLECT ACTUAL OWNERSHIP.
- VVH TEST HOLES DESCRIBED AS "EXPLORATORY" REPRESENT EXPLORATORY HOLES WHERE NO UTILITIES WERE FOUND. THESE EXPLORATORY HOLES WERE PERFORMED TO A DEPTH OF TEN FEET UNLESS OTHERWISE NOTED. THE SURROUNDING UTILITIES SHOWN AS ELECTRONIC DESIGNATION, AND OTHER VVH HOLES SHOWN IN THIS REPORT AND ELECTRONIC FILE REPRESENTING THE MAP OF SURVEY, MUST BE CAREFULLY CONSIDERED PRIOR TO THE DESIGN AND/OR PLACEMENT OF PROPOSED STRUCTURES.
- ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES ARE PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.

ABBREVIATIONS

ACP = ASBESTOS CEMENT PIPE	No./NO. = NUMBER
BE = BURIED ELECTRIC	NPW = NON-POTABLE WATER
BT = BURIED TELEPHONE	N.U.F. = NO UTILITY FOUND
CATV = CABLE TELEVISION	OD = OUTSIDE DIAMETER
CIP = CAST IRON PIPE	PE = POLYETHYLENE PIPE
DB = DIRECT BURIED	PVC = POLYVINYL CHLORIDE PIPE
DIP = DUCTILE IRON PIPE	RCP = REINFORCED CONCRETE PIPE
ED = ELECTRONIC DEPTH	SS = SANITARY SEWER
FOC = FIBER OPTIC CABLE	STL = STEEL
FM = FORCE MAIN	STS = STORM SEWER
FPID = FINANCIAL PROJECT IDENTIFICATION NUMBER	SL = STREET LIGHT
HDPE = HIGH DENSITY POLYETHYLENE	TS = TRAFFIC SIGNAL
ITS = INTELLIGENT TRANSPORTATION SYSTEM	Vvh = VERIFIED VERTICAL AND HORIZONTAL
N/A = NOT APPLICABLE	VCP = VITRIFIED CLAY PIPE
N.F.V. = NOT FIELD VERIFIED	

CERTIFICATION

I HEREBY CERTIFY THAT THIS SURVEY (SHEETS UTV-1 - UTV2) HEREIN IS A TRUE AND ACCURATE REPRESENTATION OF A FIELD SURVEY MADE UNDER MY RESPONSIBLE CHARGE, AND THAT TO THE BEST OF MY KNOWLEDGE MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17.051 OF THE FLORIDA ADMINISTRATIVE CODE.



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

ELEMENT ENGINEERING GROUP, LLC
8509 BENJAMIN ROAD, SUITE E
TAMPA, FLORIDA 33634
LICENSED BUSINESS NO. 7831
EDWARD P. CONNOLLY, PSM 6911

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

SHEET NO.
UTV-1 OF UTV-2

SHEET DESCRIPTION
VERIFIED UTILITY LOCATE

REVISIONS				EDWARD P. CONNOLLY, PSM 6911 ELEMENT ENGINEERING GROUP, LLC 8509 BENJAMIN ROAD, SUITE E TAMPA, FLORIDA 33634 LICENSED BUSINESS No. 7831	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			VERIFIED UTILITY LOCATE	SHEET NO. UTV-1
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 700	HIGHLANDS	448936-1-32-01 448936-1-32-02		

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VACUUM TEST HOLE REPORT**

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Vvh No.	TEST HOLE DATE	UTILITY DESCRIPTION		UTILITY LOCATION & ALIGNMENT INFORMATION					HUB ELEVATION	UTILITY COVER	TOP OF UTILITY ELEVATION
		UTILITY OWNER	SIZE - MATERIAL - TYPE	NORTHING	EASTING	BASELINE	STATION	OFFSET LT(-)/RT(+)			
26	12/13/2023	COMCAST	2-0.50" DB CATV	1132047.92	571260.05	SR 700	583+39.95	29.19	43.40'	2.84'	40.56'
27	12/13/2023	N.U.F. EXPLORATORY		1132051.09	571261.30	SR 700	583+39.42	25.83	N/A		
28	12/14/2023	CENTURYLINK	1.50" DB BT	1130917.17	573212.89	SR 700	605+95.99	34.97	47.44'	4.23'	43.21'
29	12/14/2023	CENTURYLINK	1" DB BT	1130903.43	573205.04	SR 700	605+95.89	50.78	48.37'	3.07'	45.30'
30	12/14/2023	CENTURYLINK	1.50" DB BT	1130906.07	573206.45	SR 700	605+95.82	47.79	48.27'	2.43'	45.84'
31	12/14/2023	CENTURYLINK	1" DB BT	1130788.29	573403.48	SR 700	608+25.30	53.79	51.31'	2.70'	48.61'
32	12/14/2023	CENTURYLINK	1.50" DB BT	1130794.34	573406.83	SR 700	608+25.25	46.87	50.56'	3.76'	46.80'
33	12/14/2023	COMCAST	1" DB FOC	1130799.94	573410.94	SR 700	608+26.08	39.98	49.00'	2.66'	46.34'
34	12/14/2023	CENTURYLINK	1.50" DB BT	1130800.06	573422.92	SR 700	608+36.46	34.00	47.01'	2.54'	44.47'
35	12/14/2023	COMCAST	1" DB FOC	1130898.48	573232.23	SR 700	606+22.01	41.76	47.10'	4.16'	42.94'
36	12/15/2023	COMCAST	1" DB CATV	1128434.97	577765.54	SR 700	662+78.87	30.20	55.24'	3.09'	52.15'
37	12/15/2023	N.U.F. EXPLORATORY		1128437.63	577766.86	SR 700	662+79.42	27.28	N/A		

REVISIONS				EDWARD P. CONNOLLY, PSM 6911 ELEMENT ENGINEERING GROUP, LLC 8509 BENJAMIN ROAD, SUITE E TAMPA, FLORIDA 33634 LICENSED BUSINESS No. 7831	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			VERIFIED UTILITY LOCATE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		UTV-2
					SR 700	HIGHLANDS	448936-1-32-01 448936-1-32-02		