

UTILITY OWNERS:

TICKET: A534300241 REV: 00A TAKEN: 12/09/15 08:15 AM

STATE: VA CNTY: ROANOKE CITY PLACE:  
ADDRESS: ELM AVE SW  
RESPONSES DUE BY: 01/04/16 07:00 AM

MARKING CODE	DESCRIPTION	RESPONSE
AEP	APPALACHIAN POWER (AEP111) MARKED FIELD CONTACT: USIC LOCATING SERVICE (800) 778-9140 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (800) 956-4237	12/30/15 08:48 AM 10
CMC	COMCAST (CMC250) NO CONFLICT; UTILITY IS OUTSIDE OF STATED WORK AREA. FIELD CONTACT: S & N (804) 608-5640 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (800) 441-6917 EXT OPT 1	12/31/15 12:48 PM 30
CMC	COMCAST (CMC251) NO CONFLICT; UTILITY IS OUTSIDE OF STATED WORK AREA. FIELD CONTACT: S & N (804) 608-5640 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (800) 441-6917 EXT OPT 1	12/31/15 12:48 PM 30
COX	COX COMMUNICATIONS (COX288) NO CONFLICT; UTILITY IS OUTSIDE OF STATED WORK AREA. FIELD CONTACT: LISA OLSEN (757) 951-7211 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (540) 915-2603	12/31/15 12:48 PM 30
LMS	LUMOS NETWORK (LMS546) NO CONFLICT; UTILITY IS OUTSIDE OF STATED WORK AREA. FIELD CONTACT: S & N (804) 608-5640 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (800) 441-6930	12/31/15 12:48 PM 30
LTC	LEVEL 3 COMMUNICATIONS (LTC903) NO CONFLICT; UTILITY IS OUTSIDE OF STATED WORK AREA. FIELD CONTACT: CALL CENTER (877) 366-8344 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (877) 366-8344	12/10/15 11:26 AM 30
ROC	ROANOKE GAS (ROC182) MARKED FIELD CONTACT: S & N (804) 608-5640 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (540) 777-4427	12/31/15 12:48 PM 10
ROA	ROANOKE CITY-SIGNAL (ROA853) NO CONFLICT; UTILITY IS OUTSIDE OF STATED WORK AREA. FIELD CONTACT: BOB SWAIN (540) 853-2891 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (540) 537-8496	12/09/15 02:28 PM 30
VZN	VERIZON (VZN804) MARKED FIELD CONTACT: UTILITYQUEST (703) 754-2116 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (877) 562-2253	12/27/15 04:50 PM 10
WW	WESTERN VA - WATER & SEWE (WW853) MARKED FIELD CONTACT: YVONNE DOOLITTLE (540) 853-2596 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (540) 853-2792	12/16/15 02:17 PM 12
WON	WINDSTREAM KOL (WON456) NO CONFLICT; UTILITY IS OUTSIDE OF STATED WORK AREA. FIELD CONTACT: DAMAGE PREVENTION GROUP (888) 599-3166 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (804) 400-9744	12/30/15 08:48 AM 30

TICKET: A534300251 REV: 00A TAKEN: 12/09/15 08:22 AM

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SURVEY NOTES:

- THIS LOCION SURVEY OF ELM AVENUE WATER MAIN REPLACEMENT (PHASE I) WAS COMPETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF TIMOTHY W. CALDWELL, L.S. FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED ON DECEMBER 21 - 31, 2015; AND THAT THIS PLAT, MAP, OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.
- HORIZONTAL (NAD 83/2011) AND VERTICAL (NAV88) CONTROL WAS ESTABLISHED BY STATIC GPS SURVEY COMPLETED ON NOVEMBER 30, 2015 BY TIMOTHY W. CALDWELL, L.S. USING NATIONAL GEODETIC SURVEY CORS MONUMENT "LS04".
- CONTOURS SHOWN HEREON ARE AT 1 FOOT INTERVALS.
- UNDERGROUND UTILITIES LOCATIONS BASED ON DESIGNATION BY MISS UTILITY TICKET A534300241 REV. 00A TAKEN 12/09/15 08:15 AM, AND TICKET A534300251 REV. 00A TAKEN 12/09/15 08:22 AM.

SURVEY CONTROL

PT #1: N: 3623858.1852 E: 11062030.7550 ELEV: 962.984'  
BEARING: N 81° 04' 43" E HDIST: 454.67'  
PT #2: N: 3623928.6940 E: 11062479.9246 ELEV: 982.555'  
BEARING: S 85° 23' 37" E HDIST: 382.61'  
PT #3: N: 3623897.9657 E: 11062861.2983 ELEV: 1012.813'  
BEARING: N 89° 46' 30" E HDIST: 291.14'  
PT #4: N: 3623899.1097 E: 11063152.4375 ELEV: 992.662'  
BEARING: N 81° 20' 48" E HDIST: 464.78'  
PT #5: N: 3623969.0395 E: 11063611.9262 ELEV: 955.939'

BENCHMARKS:

BENCHMARK #1  
CHISELED SQUARE ON S. E. CORNER OF CONCRETE PAD FOR SIGNAL CABINET AT THE INTERSECTION OF ELM AVE SW AND FRANKLIN RD. SW.  
ELEV. = 965.54'

BENCHMARK #2  
CHISELED SQUARE ON S. E. CORNER OF CURB INLET LOCATED ON S.W. SIDE OF THE INTERSECTION OF ELM AVE SW AND JEFFERSON ST. SW.  
ELEVATION = 957.02'

SURVEY LEGEND:

BM	BENCHMARK
CONC	CONCRETE
CO	CLEANOUT
ENTR	ENTRANCE
FO	FIBER OPTIC MANHOLE
FOH	FIBER OPTIC HANDHOLE
FIH	FIRE HYDRANT
GV	GAS VALVE
GUP	GUY POLE
G	GUY WIRE
L	LIGHT POLE
PS	PIPE STUB
P	POWER POLE
SM	SANITARY SEWER MANHOLE
S	SIGN
SD	STORM DRAIN MANHOLE
TC	TRAFFIC CONTROL CABINET
TL	TRAFFIC LIGHT POLE
TH	TRAFFIC HANDHOLE
TM	TRAFFIC MANHOLE
T	TREE
WM	WATER MANHOLE
W	WATER METER
G	GAS MAIN OR SERVICE LINE
C	OVERHEAD COMMUNICATION LINE
E	OVERHEAD ELECTRIC LINE
E/C	OVERHEAD ELECTRIC/COMMUNICATION LINE
S	SANITARY SEWER LINE
SD	STORM DRAIN LINE
UE	UNDERGROUND ELECTRIC LINE
FO-U	UNDERGROUND FIBER OPTIC LINE
UT	UNDERGROUND TELEPHONE LINE
W	WATER MAIN OR SERVICE LINE
W	PROPOSED WATER LINE
WV	PROPOSED VALVE
WM	PROPOSED WATER METER
W	PROPOSED FIRE HYDRANT
W	PROPOSED AIR RELEASE OR BLOW OFF VALVE

D1	Curb Inlet (DI-3) Top Rim = 963.32' Inv. Out 15" RCP = 959.12'
D2	Curb Inlet (DI-3) Top Rim = 961.59' Inv. In 24" RCP = 954.94' Inv. Out 24" RCP = 954.71' Storm Sewer Manhole Top Rim = 959.92' Inv. In 18" RCP = 954.32' (From D2) Inv. In 20" RCP = 951.58' Inv. Out 20" RCP = 951.18'
D3	Curb Inlet (DI-2) Top Rim = 956.41' Inv. In 24" RCP = 949.00' (From D3) Inv. In 24" RCP = 947.91' Inv. Out 24" RCP = 947.43'
D4	Storm Sewer Manhole Top Rim = 957.66' Inv. In 24" RCP = 951.66' Inv. Out 24" RCP = 951.61'
D5	Storm Sewer Manhole Paved Over Top Rim = 959.97'
D6	Curb Inlet (DI-3) Top Rim = 962.78' Inv. In 15" RCP = 956.43' Inv. In 15" RCP = 956.28'
D7	Curb Inlet (DI-3) Top Rim = 964.58' Inv. In 15" RCP = 959.93' Inv. In 24" RCP = 957.91' Inv. Out 24" RCP = 957.58'
D8	Curb Inlet (DI-2) Top Rim = 963.21' Inv. Out 18" RCP = 954.36'
D9	Curb Inlet (DI-3) Top Rim = 963.40' Inv. In 15" RCP = 958.60' Inv. Out 15" RCP = 955.88'
D10	Curb Inlet (DI-3) Top Rim = 970.18' Inv. In 24" RCP = 965.63' Inv. In 24" RCP = 965.13' Inv. Out 15" RCP = 961.63'
D11	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D12	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D13	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D14	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D15	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D16	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D17	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D18	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D19	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D20	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D21	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D22	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D23	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D24	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D25	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D26	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'
D27	Curb Inlet (DI-3) Top Rim = 963.66' Inv. Out 15" RCP = 955.66'

S1	Sanitary Sewer Manhole Top Rim = 954.02' 8" Flow = 548.61'
S2	Sanitary Sewer Manhole Top Rim = 954.15' 12" Flow = 948.91'
S3	Sanitary Sewer Manhole Top Rim = 961.35' 12" Flow = 955.40'
S4	Sanitary Sewer Manhole Top Rim = 961.90' 12" Flow = 956.30'
S5	Sanitary Sewer Manhole Top Rim = 971.10' 12" Flow = 964.40'
S6	Sanitary Sewer Manhole Top Rim = 968.83' 8" Flow = 963.92'
S7	Sanitary Sewer Manhole Top Rim = 971.23' 8" Flow = 965.50'
S8	Sanitary Sewer Manhole Paved Over Top Rim = 983.07' 8" Flow = 976.51'
S9	Sanitary Sewer Manhole Top Rim = 983.07' 8" Flow = 976.51'
S10	Sanitary Sewer Manhole Top Rim = 983.89' 8" Flow = 990.44'
S11	Sanitary Sewer Manhole Top Rim = 1012.54' 8" Flow = 1008.64'
S12	Sanitary Sewer Manhole Top Rim = 991.19' 8" Flow = 985.39'
S13	Sanitary Sewer Manhole Top Rim = 988.64' 8" Flow = 986.57'
S14	Sanitary Sewer Manhole Top Rim = 971.61' 12" Flow = 964.25'
S15	Sanitary Sewer Manhole Top Rim = 957.56' 12" Inv. In = 953.16' (Lat. From Church) 12" Inv. In = 953.16' 12" Inv. Out = 952.76'
S16	Sanitary Sewer Manhole Top Rim = 954.81'
S17	Sanitary Sewer Manhole Top Rim = 958.49' 8" Inv. In = 951.61' 12" Inv. In = 951.42' 15" Inv. Out = 949.78'
S18	Sanitary Sewer Manhole Top Rim = 954.47' Flow = Abandoned
S19	Sanitary Sewer Manhole Top Rim = 994.26' 8" Flow = 991.76'

W1	Water Manhole Top Rim = 961.69' Top of Nut = 959.49'
W2	Water Manhole Water Meter Top Rim = 960.99'
W3	Water Manhole Top Rim = 961.37' Top of Nut = 958.20'
W4	Water Manhole Top Rim = 961.02' Top of Nut = 958.34'
W5	Water Manhole Top Rim = 959.84' Top of Nut = 954.68'
W6	Water Manhole Top Rim = 961.21' Top of Nut = 959.99'
W7	Water Manhole Top Rim = 960.87' Top of Nut = 960.15'
W8	Water Manhole Water Meter Top Rim = 971.14'
W9	Water Manhole Water Meter Top Rim = 971.63'
W10	Water Manhole Top Rim = 981.73' Top of Nut = 979.81'
W11	Water Manhole Top Rim = 982.32' Top of Nut = 980.78'
W12	Water Manhole Top Rim = 983.69' Top of Nut = 980.99'
W13	Water Manhole Water Meter Top Rim = 1008.35'
W14	Water Manhole Water Meter Top Rim = 1008.80'
W15	Water Manhole Top Rim = 1010.39' Top of Nut = 1008.89'
W16	Water Manhole Top Rim = 1010.78' Top of Nut = 1008.68'
W17	Water Manhole Top Rim = 1012.24' Top of Nut = 1010.14'
W18	Water Manhole Top Rim = 1012.67' Top of Nut = 1009.72'
W19	Water Manhole Water Meter Top Rim = 1008.77'
W20	Water Manhole Water Meter Top Rim = 1008.09'
W21	Water Manhole Top Rim = 990.18' Top of Nut = 987.85'
W22	Water Manhole Top Rim = 990.27' Top of Nut = 988.57'
W23	Water Manhole Top Rim = 990.78' Top of Nut = 989.24'
W24	Water Manhole Water Meter Top Rim = 982.73'
W25	Water Manhole Water Vault Top Rim = 966.15'
W26	Water Manhole Top Rim = 966.31' Top of Nut = 963.97'
W27	Water Manhole Top Rim = 956.37' Top of Nut = 952.64'
W28	Water Manhole Top Rim = 954.19' Top of Nut = 950.96'
W29	Water Manhole Top Rim = 953.91' Top of Nut = 952.46'

