## GENERAL UTILITY NOTES:

- SANITARY SEWER LATERALS SHALL BE 6" SDR 26 PLACED WITH A MINIMUM SLOPE OF 2% AND A MINIMUM COVER OF 36"
   ALL NON-FERROUS SANITARY SEWER PIPES SHALL BE MARKED WITH TRACER WIRE SHALL BE #12 AWG COPPER CLAD STEEL, HIGH STRENGTH WITH MINIMUM 450 LB. BREAK LOAD, WITH MINIMUM 30 MIL HOPE INSULATION.
- MINIMUM 450 LB. BREAK LOAD, WITH MINIMUM 30 MIL HOPE INSULATION THICKNESS INTENDED FOR DIRECT BURY, CLOIG COATED PER APPARA STANDARD FOR THE SPECIFIC UTILITY BEING MARKED. SANTARY CLEANOUT LIDS PLACED WITHIN PARKING LOT OR DRIVE AISLES SHALL BE TRAFFIC RATED (H-20 MIN). PIPE CONNECTIONS TO MANNIOLE SHALL BE MADE WITH RUBBER BOOT. CONTACTOR STALL PROVIDE AND INSTALLA 6" CUT IN TEE ON THE 8" WATER MAIN BY AN OSHA SATE TRENCH, INCLUDING ALL TRAFFIC CONTROL. WATER AUTHORITY WILL PRESSURE TEST THE CONNECTION UPON WATER MAIN AND LATERAL TO BE PLACED WITH A MINIMUM COVER OF 36". WATER SERVICE LINE SHALL BE "K" TYPE COPPER OR PE 4710 CTS O.D. MINIMUM CELL LASS 445474E AND 445474D.
- MINIMUM CELL CLASS 445474F AND 445474D
- MINIMUM CELL CLASS 445474E AND 445474D.

  ALL METER EQUIPMENT TO BE PROVIDED SHALL BE FROM AUTHORITY'S PROPROVED PRODUCT LIST.

  PERFOVED PRODUCT LIST.

  LEAK TESTING OF WATER LINE SHALL BE PROVIDED AND CONFORM TO AUTHORITY'S REQUIREMENTS.

  UNATER LINES SHALL BE FLUSHED AND DISINFECTED PRIOR TO BEING MADE
- OPERATIONAL, IN CONFORMANCE WITH REQUIREMENTS SET FORTH IN PUBLIC UTILITIES REQUIREMENTS.
- 11. CONTRACTOR IS RESPONSIBLE FOR PRIMARY ELECTRIC DITCH, CONCRETE PAD CONTRACTOR IS RESPONSIBLE FOR PRIMARY ELECTRIC DITCH, CONCERT
  TO SPECIFICATIONS FOR TRANSFORMER, AND ALL SECONDARY WORK.
  TRANSFORMER LOCATION AND SERVICE LINE INSTALLATION SHALL BE
  COORDINATED WITH ELECTRIC SERVICE PROVIDED ON SHEET CO. 9.
   STORMWATER PIPE PROPILES ARE PROVIDED ON SHEET CO. 9.
   STORM PIPE AND STRUCTURE TABLES ARE PROVIDED IN SHEET CO. 9.
   ROOF LEADER THE, LOCATION, MATERIAL AND PIPE SIZES TO BE
  COORDINATED WITH ARCHITECTURAL PLANS.

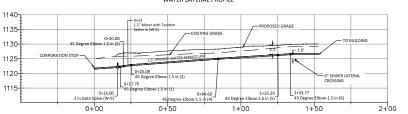
- COORDINATED WITH ARCHITECTURAL PLANS.

  5. ELECTRIC AND GAS LINES ARE SHOWN FOR GENERAL ROUTING PURPOSES ONLY. OWNER/DEVELOPER IS RESPONSIBLE FOR COORDINATION OF SERVICE REQUIREMENTS, INCLUDING CONDUIT SIZING AND EXTENSIONS TO SITE. CONTRACTOR SHALL CONFIRM ROUTING WITH OWNER/DEVELOPER PRIOR
- CONTRACTOR SHALL CONFIRM ROUTING WITH OWNER/DEVELOPER PRIOR TO TERCHING OPERATIONS.

  16. TEE SHALL BE CUT IN TO EXISTING 8" WATER MAIN FOLLOWING UP-AND DOWNSTREAM WALVE CLOSURES FOR LINE ISOLATION. CONTRACTOR SHALL PROVIDE COUNTY WITH MINIMUM 48 HOURS NOTICE FOR LINE CLOSURE. COUNTY WILL RESPONSIBLE FOR NOTIFIENDE ADJACENT
  - PROPERTIES/AFFECTED PARTIES. CONTRACTOR SHALL EXPEDITE WORK TO MINIMIZE LINE CLOSURE DURATION.



## WATER LATERAL PROFILE



STRUCTURE TABLE					
STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT	Description	
CO.2	INV IN = 1124.86 INV OUT = 1124.86	Pipe - 12, 6" INV IN =1124.86	Pipe - 13, 6" INV OUT =1124.86		
CO.4	INV IN = 1123.94 INV OUT = 1123.94	Pipe - 13, 6" INV IN =1123.94	Pipe - 14, 6" INV OUT =1123.94		
CO.5	INV IN = 1122.82 INV OUT = 1122.82	Pipe - 14, 6" INV IN =1122.82	Pipe - 15, 6" INV OUT =1122.82		
CO.6	INV IN = 1122.21 INV OUT = 1122.21	Pipe - 15, 6* INV IN =1122.21	Pipe - 16, 6" INV OUT =1122.21		
CO.7	INV IN = 1120.88 INV OUT = 1120.88	Pipe - 16, 6" INV IN =1120.88	Pipe - 17, 6" INV OUT =1120.88		
EX. SSWR MH	INV IN = 1120.75	Pipe - 17, 6* INV IN =1120.75		Ex. SSWR Manhole	
S-3	INV OUT = 1125.10		Pipe - 11, 6" INV OUT =1125.10	Sampling Manhole (S-3)	

## SSWR STRUCTURE TABLE

44.40								
1140		4	5.95' of 6" Pipe (HDPE N-12)	PROPOSED GRAD				
1135	6.93' of 6" Pipe (HDPE N-12)		12)00%, Fipe - 13	' /		8.76' of 6" Pipe (HDPE N-12)	.	
1133	@ 2.00%; Pipe - 11	@ 2.00%; Pipe - 12 /	EXSITING GRADE	$\sim$ / $\sim$		@ 1.50%; Pipe - 17		
1130		1 / 1					EX. PIP	E INV. 120.31
1130 }	/	3,1	T T				$I \cup I \cup I \cup I$	
1125		1 / 1 +	55.95 of 6" Pipe (HDPE @ 2.00%; Pipe - 1-	N-12) 30 40' of 6' Pipe (HDPE N- 4 @ 2.00%; Pipe - 15	12) 89.02' of 6" Pipe (H	DPE N. 12)		
1120		/ / -	1.6'	@ 2.00%; Pipe - 15	@ 1.50%; Pipe	- 16	11 1 / 1	
1120	6" 45" ELBOW -	1.5" WATER ————————————————————————————————————					<b>-4</b>   <b>/</b>	
1120	0 45 ELBOW -	I I I I I I I I I I I I I I I I I I I						
		CO.2	CO.4	CO.5	CO.6 STA:1+44.38	CO.7 STA:2+33:40	EX. SSWR MH	1
1115	STA:0+00.00	LSTA:0+12:09 RIM:1129.45	STA:0+58:03 RIM:1130:09	STA:1+13.98 RIM:1131.85	RIM:1133.16	RIM:1132.52	LSTA:2+42:16 RIM:1132:73	
Ŧ	RIM:1130.02	INV IN:1124.86 6"	INV IN:1123.94 6"	INV IN:1122.82 6"	INV IN:1122.21 6"	INV IN:1120.88 6"	INV IN:1120.75 6"	
	0+	00 0	+50 1-	+00	1+50	2+00	2+50	3+00

SSWR PIPES PROFILE	
S-3 (SAMPLING MH) TO EXISTING MH 14	

Pipe Table				
NAME	SIZE	LENGTH	SLOPE	MATERIAL
Pipe - 11	6*	6.93	2.00%	6.0 inch PVC SDR-26
Pipe - 12	6"	5.16'	2.00%	6.0 inch PVC SDR-26
Plpe - 13	6*	45.95	2.00%	6.0 Inch PVC SDR-26
Pipe - 14	6"	55.95'	2.00%	6.0 inch PVC SDR-26
Pipe - 15	6"	30.40	2.00%	6.0 Inch PVC SDR-26
Pipe - 16	6"	89.02'	1.50%	6.0 inch PVC SDR-26
Pipe - 17	6"	8.76'	1.50%	6.0 inch PVC SDR-26

SSWR PIPES TABLE



TANGLEWOOD - POPEYES

SITE PLAN

TBD Electric Road Roanoke, VA 24018

APPROVED

Description

FOR CONSTRUCTION

**UTILITY PLAN & PROFILE** 

Project number:	210360	
Date:	August 30, 2021	
Drawn by:	AK	
Checked by:	SOR	

C5.02