

UTILITY NOTES:

- G.C. SHALL COORDINATE THE EXACT SANITARY SEWER AND DOMESTIC WATER LATERAL BUILDING TIE IN LOCATIONS WITH THE ARCHITECTURAL AND M.E.P. PLANS.
- ALL UTILITY SERVICE LATERALS OR LINES, INCLUDING ELECTRIC, SHALL BE INSTALLED UNDERGROUND. WATER & SEWER CONNECTIONS SHALL CONFORM TO W.V.W.A. UTILITY STANDARDS AND INTERNATIONAL BUILDING CODE.
- THE G.C. SHALL COORDINATE TEMPORARY POWER FOR THE PROPOSED BUILDINGS DURING CONSTRUCTION.
- THE G.C. IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL CONDUIT ASSOCIATED WITH REQUIRED UTILITIES FOR THE PROPOSED BUILDINGS AND ANY NECESSARY UTILITIES ON-SITE SUCH AS LIGHTING, ELECTRICAL, ETC.
- THE PROPOSED BUILDINGS WILL HAVE SPRINKLER SERVICE. SEE ARCH/MEP DRAWINGS FOR ADDITIONAL DETAILS.
- W.V.W.A. IS RESPONSIBLE FOR TAPPING ALL EXISTING WATERLINES FOR NEW SERVICE CONNECTIONS. G.C. IS RESPONSIBLE FOR PROVIDING ALL REQUIRED MATERIALS INCLUDING BUT NOT LIMITED TO THE TAPPING SLEEVE, VALVES, ETC.

GENERAL SITE NOTES:

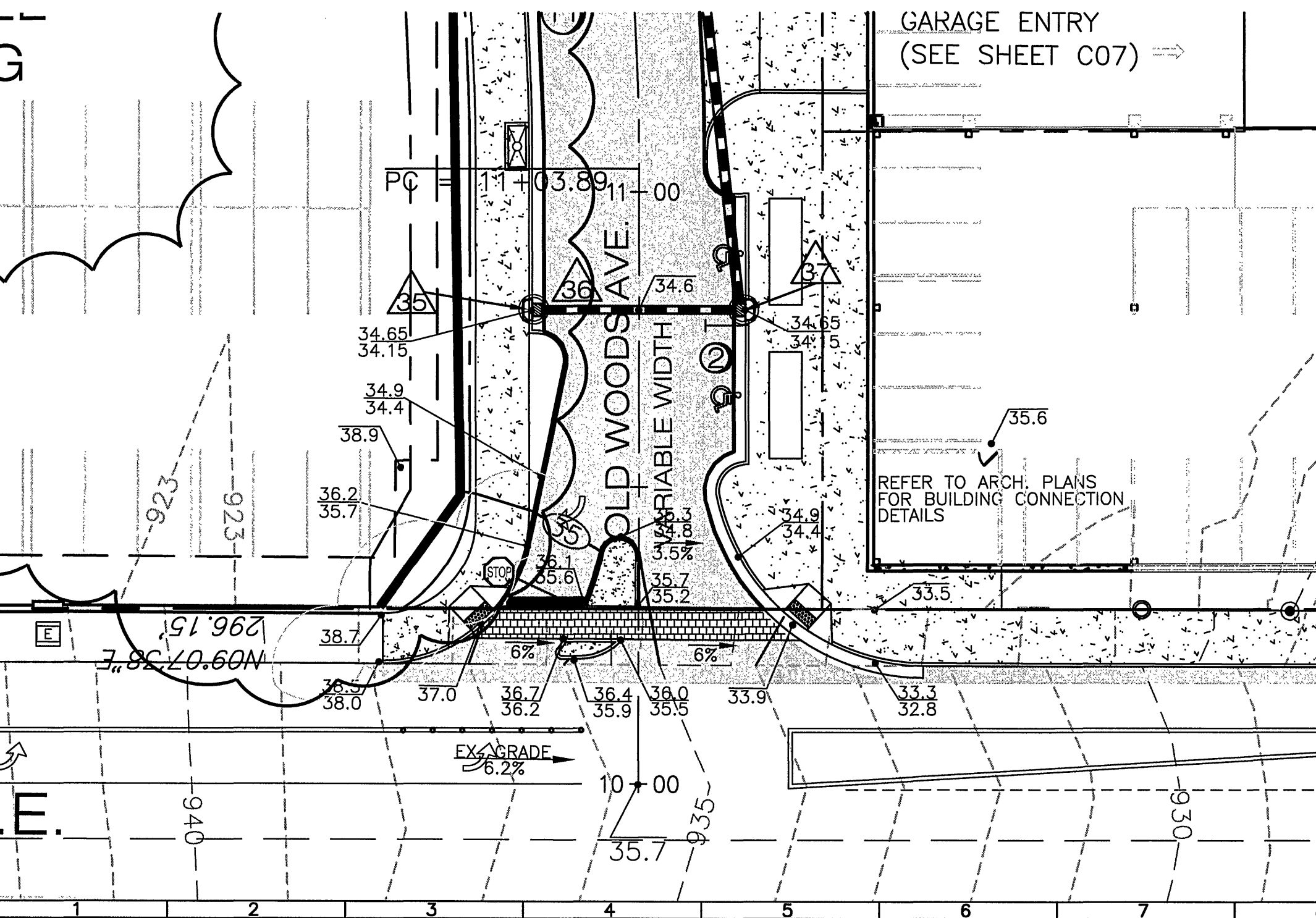
- G.C. TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION OF PROPOSED IMPROVEMENTS.
- NO CONSTRUCTION/FIELD CHANGES WITHOUT THE APPROVAL OF THE CONSULTING ENGINEERING AND CITY OF ROANOKE PLANNING, BUILDING, AND DEVELOPMENT DEPARTMENT. G.C. SHALL OBTAIN A RIGHT OF WAY PERMIT FROM THE CITY OF ROANOKE PRIOR TO ANY WORK WITHIN THE CITY OF ROANOKE R.O.W.
- ANY PAVEMENT, CURBING, ETC. TO REMAIN THAT IS DISTURBED OR DESTROYED DURING THE CONSTRUCTION PROCESS SHALL BE REPLACED/REPLACED AS NECESSARY TO PRE-CONSTRUCTION CONDITIONS AT NO COST TO THE OWNER.
- ALL BUILDING DIMENSIONS SHALL BE COORDINATED WITH THE APPROVED ARCHITECTURAL PLANS.
- APPROXIMATE EXISTING FIRE HYDRANT FLOWS (AS PROVIDED BY W.V.W.A.)
(WVWA ID 10250): STATIC: 84 PSI
RESIDUAL: 60 PSI
FLOW: 2,207 GPM AT 20 PSI
(WVWA ID 11094): STATIC: 86 PSI
RESIDUAL: 64 PSI
FLOW: 2,429 GPM AT 20 PSI
(WVWA ID 11094): STATIC: 86 PSI
RESIDUAL: 70 PSI
FLOW: 2,794 GPM AT 20 PSI
- ROOFLEADERS SHALL BE DIRECTLY CONNECTED TO THE STORM SEWER SYSTEM AND DISCHARGED INTO A CLOSED PIPE SYSTEM. SEE ARCH. PLANS FOR EXACT CONNECTION LOCATIONS.
- G.C. SHALL PROVIDE A SERIES 3200 KNOX BOX AT THE ENTRY DOOR OF EACH BUILDING PER CITY OF ROANOKE STANDARDS IN REGARDS TO MOUNTING HEIGHT AND TYPE OF KNOX BOX. CONTACT NICOLE ONEAL AT 540-853-2795 FOR ORDERING INFORMATION.
- G.C. SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY OF ROANOKE PRIOR TO ANY CONSTRUCTION WITHIN THE RIGHT-OF-WAY. SEE SIGNAL PLAN AND STRIPING PLAN FOR ADDITIONAL DETAILS.
- G.C. SHALL COORDINATE WITH A.E.P. & T.E.C. REGARDING THE UTILITY CONNECTION LOCATION AND REQUIREMENTS OF THE PROPOSED SITE.
- G.C. SHALL COORDINATE CONCRETE FINISHING AROUND THE ENTRANCE DOORS WITH THE ARCHITECTURAL DRAWINGS.
- G.C. TO COORDINATE CONDUIT INSTALLATION FOR ALL NECESSARY UTILITIES FOR THE DEVELOPMENT.
- THE SITE CONTRACTOR MUST COORDINATE THE TIMING AND INSTALLATION OF ALL UTILITIES AND MAKE ALL NECESSARY SCHEDULE ARRANGEMENTS FOR TEMPORARY OR PERMANENT UTILITIES PER THE PROJECT SCHEDULE.
- ALL GROUND MOUNTED AND ROOFTOP MECHANICAL EQUIPMENT SHALL BE SCREENED FROM VIEW PER CITY OF ROANOKE ZONING ORDINANCE IN ACCORDANCE WITH SECTION 36.2-647.

GRADING NOTES:

- NO CONSTRUCTION/FIELD CHANGES WITHOUT THE APPROVAL OF THE CONSULTING ENGINEER AND CITY OF ROANOKE PLANNING, BUILDING, AND DEVELOPMENT DEPARTMENT.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES WITH EXISTING UTILITIES ARE LOCATED DURING THE GRADING PROCESS FOR THE SITE.
- PROPOSED CONCRETE PUBLIC SIDEWALK & UTILITY STRIP SHALL HAVE A 2% CROSS SLOPE TOWARDS THE EXISTING ROADWAY.

DETAIL GRADING PLAN:

1"=20'



SANITARY SEWER SCHEDULE:

FROM	INV. IN	TO	INV. OUT	REMARKS
F	919.84	C	919.49	69' OF 8" SDR-35 PVC PIPE @ 0.50%
E	920.49	D	919.89	119' OF 8" SDR-26 PVC PIPE @ 0.50%
D	919.79	C	919.49	59' OF 8" SDR-35 PVC PIPE @ 0.50%
C	919.39	B	917.86	383' OF 10" SDR-35 PVC PIPE @ 0.40%
B	917.76	A	916.88	220' OF 10" SDR-35 PVC PIPE @ 0.40%
A	916.78	EX. MH (P.S.-1)	916.50	69' OF 10" SDR-35 PVC PIPE @ 0.40%

SANITARY STRUCTURE SCHEDULE:

*ALL S.S. MH'S SHALL HAVE STANDARD TOPS *

A S.S. MH (ST'D S-1) TOP=923.35 INV. IN=916.88 INV. OUT=916.78	C S.S. MH (ST'D S-1) TOP=926.75 INV. IN=919.49 INV. OUT=919.39	E S.S. MH (ST'D S-1) TOP=932.92 INV. IN=919.94 INV. OUT=920.49
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B S.S. MH (ST'D S-1) TOP=923.97 INV. IN=917.86 INV. OUT=917.76	D S.S. MH (ST'D S-1) TOP=927.59 INV. IN=919.89 INV. OUT=919.79	F S.S. MH (ST'D S-1) TOP=926.8 INV. IN=919.94 INV. OUT=919.84
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EXISTING SANITARY SEWER STRUCTURE SCHEDULE:

SSMH (S-1)
Rim=921.61'
Inv. 18"(n)=Plugged
Inv. 20"(n)=916.21'
Inv. (Out)=916.16'

ex. s.s.mh. (S-2)
Rim=921.55'
Inv. 8"(n)=916.00'(Plugged)
Inv. 20"(n)=915.90'
Inv. (Out)=915.85'

ex. s.s.mh. (S-3)
Rim=916.23'
Inv. (n)=908.88'
Inv. (Out)=908.43'

ex. s.s. mh. (S-4)
Rim=923.67'
Inv. (n)=Filled w/Debris

ex. s.s. mh. (S-5)
Rim=922.58'
Inv. 4"(n)=918.98'
Inv. 8"(n)=917.32'
Inv. (Out)=917.28'

ex. s.s. mh. (S-6)
Rim=922.64'
Inv. (n)=918.14'
Inv. (Out)=918.09'

ex. s.s. mh. (S-7)
Rim=923.48'
Top of Pipe=904.88'
Inv. =899.96'

ex. s.s. mh. (S-8)
Rim=925.06'
Top of Pipe=905.06'
Inv. =900.14'

ex. s.s. mh. (S-9)
Rim=923.84'
Inv. In=914.39'
Inv. Out=914.29'

PROPOSED SANITARY SEWER STRUCTURE SCHEDULE BY OTHERS:

THE ELEVATIONS BELOW HAVE BEEN MODIFIED TO MATCH THE CURRENT DATUM OF THE ROANOKE RIVER DISTRICT THE ORIGINAL PLANS BY CWA UTILIZED A DIFFERENT DATUM WITH ELEVATION DISCREPANCIES OF UP TO 0.81'.

SSMH (P.S.-1)
Rim=922.15'
Inv. 15"(n)=916.69'
Inv. 15"(Out)=916.59'

SSMH (P.S.-2)
Rim=922.96'
Inv. 15"(n)=916.23'
Inv. 15"(Out)=915.13'

SSMH (P.S.-3)
Rim=923.64'
Inv. 15"(n)=914.69'
Inv. 15"(Out)=914.59'

WESTERN VIRGINIA WATER AUTHORITY NOTES

AVAILABILITY No.: 12-135

GENERAL NOTES:

A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED WITH THE WESTERN VIRGINIA WATER AUTHORITY TO BE HELD AT LEAST ONE (1) DAY PRIOR TO ANY CONSTRUCTION OF THE APPROVED WATER AND SANITARY SEWER FACILITIES.

A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED LINES.

ALL SANITARY SEWER AND WATER CONNECTIONS TO EXISTING LINES SHALL BE COORDINATED WITH AND PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY.

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING VALVE VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO FINAL GRADE IF NECESSARY.

ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STATE WATER WORKS REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS.

ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT-OF-WAYS SHALL BE COMPACTED ACCORDING TO CITY OF ROANOKE STANDARDS.

LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL REFER TO THE WESTERN VIRGINIA WATER AUTHORITY STANDARD WATER AND SEWER REGULATIONS FOR CONSTRUCTION DETAILS AND INSTALLATION METHODS AS REQUIRED TO COMPLETE THE PROPOSED UTILITY FACILITIES AS INDICATED BY THESE DRAWINGS.

FIELD CORRECTIONS SHALL BE APPROVED BY THE WVWA ENGINEERING DIVISION PRIOR TO SUCH CONSTRUCTION.

THE CONTRACTOR SHALL PROVIDE THE WESTERN VIRGINIA WATER AUTHORITY WITH CORRECT AS-BUILT PLANS PRIOR TO SUBSTANTIAL COMPLETION OF ANY NEW PUBLIC EXTENSIONS.

WATER NOTES

WATER MAINS SHALL BE MINIMUM CLASS 350 DUCTILE IRON IN ACCORDANCE TO AWWA C151 OR DR-14 PVC IN ACCORDANCE WITH AWWA C-900.

WATER LATERALS FROM THE METER TO THE BUILDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.

THE CONSTRUCTION OF THE PROPOSED PUBLIC WATER MAIN AND ALL COMMERCIAL SERVICES SHALL BE IN COMPLIANCE WITH THE CURRENT WESTERN VIRGINIA WATER AUTHORITY REGULATIONS. REFER TO THESE REGULATIONS FOR COMPLETE DETAILS AND INSTALLATION METHODS.

SEWER NOTES:

COMMERCIAL SANITARY SEWER LATERAL SHALL BE MINIMUM 6" PIPE INSTALLED AT SLOPES AS SHOWN ON THE PLAN.

THE LATERALS AND REQUIRED FITTINGS LOCATED WITHIN A PUBLIC RIGHT-OF-WAY OR PUBLIC EASEMENT SHALL BE OF THE SAME TYPE OF MATERIAL AS THE MAINLINE SEWER PIPE.

THE CONSTRUCTION OF THE PROPOSED PUBLIC SEWER MAIN AND ALL COMMERCIAL SERVICES SHALL BE IN COMPLIANCE WITH THE CURRENT WESTERN VIRGINIA WATER AUTHORITY REGULATIONS. REFER TO THESE REGULATIONS FOR COMPLETE DETAILS AND INSTALLATION METHODS.

ALL SANITARY SEWER PIPING SHALL BE PVC (POLYVINYL CHLORIDE) MANUFACTURED IN ACCORDANCE WITH ASTM DESIGNATION 3034-77 (SDR 35) UNLESS OTHERWISE NOTED ON THE PLANS/PROFILES.

ALL MANHOLE FRAMES AND COVERS SHALL BE WATERTIGHT AND ALL COVERS SHALL BE BOLT-DOWN MANHOLE COVERS (SEE DETAIL S-05 AND S-06) WHERE APPLICABLE.

STORM STRUCTURE SCHEDULE:

1 VDOT ST'D DI-3B (6' THROAT) TOP=924.6 INV. OUT=920.65	2 VDOT ST'D DI-3C (6' THROAT) TOP=923.3 INV. IN=919.77 INV. OUT=919.67
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STORM STRUCTURE SCHEDULE:

3 VDOT ST'D MH-2 (6' THROAT) TOP=924.20 INV. IN=919.22 (STR. #20) INV. IN=919.04 INV. OUT=918.94	4 91 LF OF 18" RCP CLASS III PIPE AT 0.5%
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5 VDOT ST'D DI-1 (6' THROAT) TOP=922.5 INV. IN=918.48 INV. OUT=918.38	6 104 LF OF 24" RCP CLASS III PIPE AT 0.5%
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7 VDOT ST'D DI-1 (6' THROAT) TOP=922.5 INV. IN=918.00 (STR.16) INV. IN=917.86 (STR.5a) INV. OUT=917.76	8 187 LF OF 24" RCP CLASS III PIPE AT 0.5%
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9 VDOT ST'D DI-1 (6' THROAT) TOP=922.5 INV. IN=916.82 INV. OUT=916.72	10 96 LF OF 24" RCP CLASS III PIPE AT 0.5%
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11 VDOT ST'D DI-1 (6' THROAT) TOP=922.5 INV. IN=916.24 INV. OUT=916.14	12 95 LF OF 30" RCP CLASS III PIPE AT 0.5%
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13 VDOT ST'D DI-3A (6' THROAT) TOP=924.10 INV. IN=915.66 INV. OUT=915.56	14 123 LF OF 30" RCP CLASS III PIPE AT 0.5%
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15 VDOT ST'D DI-7 (GRATE III) TOP=924.0 INV. IN=914.95 INV. OUT=914.85	16 94 LF OF 30" RCP CLASS III PIPE AT 0.50% (EX. STR. MM)
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17 VDOT ST'D DI-3C (6' THROAT) TOP=923.7 INV. OUT=918.24	18 47 LF OF 15" RCP CLASS III PIPE AT 0.50%
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19 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. OUT=919.95	20 35 LF OF 15" RCP CLASS III PIPE AT 0.50%
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21 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	22 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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23 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	24 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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25 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	26 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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27 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	28 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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29 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	30 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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31 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	32 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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33 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	34 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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35 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	36 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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37 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	38 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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39 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	40 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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41 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	42 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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43 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	44 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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45 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	46 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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47 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	48 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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49 VDOT ST'D DI-2A (6' THROAT) TOP=923.7 INV. IN=919.77 INV. OUT=919.67	50 94 LF OF 15" RCP CLASS III PIPE AT 0.50% (STR. #3)
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EXIST. STORM STRUCTURE SCHEDULE:

A-ex. grate inlet TOP=923.28' Inv. 12"H(Out)=920.71'	X-ex. storm mh TOP=926.15' Inv. 3'X5'ELIPTICAL(n)=912.98' Inv. 48"OMP(Out)=912.80'
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EXIST. STORM STRUCTURE SCHEDULE:

B-ex. grate inlet TOP=922.37' Inv. 12"H(Out)=919.86' Inv. 12"H(Out)=919.81'	Y-ex. storm mh TOP=925.45' Inv. 48"OMP(n)=911.62' Inv. 48"OMP(Out)=911.61'
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C-ex. grate inlet TOP=921.82' Inv. 12"H(Out)=919.34' Inv. 12"RCP(n)=919.20' Inv. 12"RCP(Out)=919.16'	Z-ex. di-3b curb inlet (6' throat) TOP=921.87' Inv. 18"RCP(Out)=918.82' (2' EXT. OF 18" RCP & RELOCATE INLET 2')
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D-ex. grate inlet TOP=922.11' Inv. 12"RCP(n)=919.15' Inv. 12"RCP(Out)=919.15'	AA-ex. storm mh TOP=921.74' Inv. 18"RCP(n)=918.54' Inv. 18"RCP(Out)=918.47'
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E-ex. storm mh TOP=921.46' Inv. 12"RCP(n)=918.63' Inv. 12"RCP(Out)=918.86'	BB-ex. di-3b curb inlet (10' throat) TOP=921.90' Inv. 15"RCP(Out)=919.20'
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F-ex. grate inlet TOP=921.04' Inv. 12"RCP(n)=918.84' Inv. 12"RCP(Out)=918.84'	CC-ex. di-3b curb inlet (8' throat) TOP=922.61' Inv. 15"RCP(Out)=920.31'
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G-ex. di-3b curb inlet (10' throat) TOP=921.59' Inv. 12"RCP(n)=918.59' Inv. 15"RCP(Out)=918.59'	DD-ex. storm mh TOP=926.12' Inv. 12"RCP(Out)=923.38'
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H-ex. di-3b curb inlet (10' throat) TOP=921.71' Inv. 15"RCP(n)=918.46' Inv. 15"RCP(Out)=918.46'	EE-ex. storm mh. TOP=928.04' Inv. 48"RCP(n)=917.07' Inv. 48"RCP(Out)=916.29'
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I-ex. storm mh TOP=921.86' Inv. 15"RCP(n)=918.41' Inv. 15"N(n)=918.57' Inv. (Out)=918.38'	FF-ex. storm mh. TOP=928.28' Inv. 48"RCP(Out)=917.66'
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J-ex. storm mh TOP=922.25' Inv. 18"RCP(n)=918.62' Inv. 30"RCP(Out)=917.10'	GG-ex. di-3b curb inlet (20' throat) TOP=922.96' Inv. 15"RCP(Out)=918.73'
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K-ex. storm mh TOP=922.39' Inv. 30"RCP(n)=916.51' Inv. 15"RCP(n)=919.04' Inv. 42"RCP(Out)=916.51'	HH-ex. di-3b curb inlet (6' throat) TOP=924.03' Inv. 15"RCP(n)=918.28' Inv. 15"RCP(Out)=918.28'
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L-ex. storm mh TOP=922.70' Inv. 42"RCP(n)=916.25' Inv. 15"RCP(n)=918.95' Inv. 42"RCP(Out)=916.41'	II-ex. di-3b curb inlet (20' throat) TOP=924.10' Inv. 15"RCP(Out)=918.10'
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M-ex. storm mh TOP=927.21' Inv. 42"RCP(n)=916.41' Inv. 15"RCP(n)=922.76' Inv. 42"RCP(Out)=916.38'	JJ-ex. di-3b curb inlet (20' throat) TOP=923.83' Inv. 30"RCP(n)=915.06'(abandoned?) Inv. 30"RCP(Out)=915.13'
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N-ex. storm mh TOP=928.02' Inv. 42"RCP(n)=916.62' Inv. 42"RCP(Out)=916.64'	KK-ex. di-3a curb inlet TOP=923.64' Inv. 30"RCP(n)=914.90' Inv. 30"RCP(Out)=914.93'
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O-ex. storm mh TOP=928.54' Inv. 48"RCP(Out)=916.29' Inv. 42"RCP(n)=916.49' Inv. 48"RCP(n)=916.39'	LL-ex. di-3b curb inlet (14' throat) TOP=924.12' Inv. 30"RCP(n)=914.69' Inv. 30"RCP(Out)=914.72'
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P-ex. storm mh TOP=928.47' Inv. 48"RCP(n)=915.85' Inv. 48"RCP(Out)=915.85'	MM-ex. di-3b curb inlet (14' throat) TOP=924.78' Inv. 30"RCP(n)=914.23' Inv. 15"RCP(n)=918.55'
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Q-ex. storm mh TOP=924.40' Inv. 48"RCP(n)=915.70' Inv. 6"PVC(n)=921.25' Inv. 48"RCP(Out)=915.75'	NEW INV. 30"RCP(N)=914.38'
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R-ex. storm mh TOP=924.05' Inv. 15"RCP(n) FROM C.I.=915.70' Inv. 30"RCP(n)=915.83' Inv. 15"RCP(n) FROM T.L. C.I.=915.95' Inv. 48"RCP(Out)=915.35'	NN-ex. storm mh. TOP=924.72' Inv. 30"RCP(n)=913.97' Inv. 30"RCP(Out)=913.97'
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S-ex. storm mh TOP=923.92' Inv. 48"RCP(n)=914.69' Inv. 3'X5'ELIPTICAL(Out)=914.75'	OO-ex. di-3b curb inlet (6' throat) TOP=930.46' Inv. 18"RCP(Out)=924.01'
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T-ex. storm mh TOP=925.35' Inv. 3'X5'ELIPTICAL(n)=914.55' Inv. 48"RCP(Out)=914.38'	PP-ex. grate inlet TOP=929.70' Inv. 15"RCP(n)=925.40' Inv. 36"RCP=912.90'
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U-ex. storm mh TOP=926.38'
