GENERAL SITE NOTES:

1. ANY PAVEMENT, CURBING, ETC. TO REMAIN THAT IS DISTURBED OR DESTROYED DURING THE CONSTRUCTION PROCESS SHALL BE REPAIRED/REPLACED AS NECESSARY TO PRE-CONSTRUCTION CONDITIONS AT NO COST TO THE OWNER.

2. APPROXIMATE EXISTING FIRE HYDRANT FLOWS (AS PROVIDED BY W.V.W.A.)

(WVWA ID 10351): STATIC: 93 PSI

RESIDUAL: 20 PSI FLOW: 3,554GPM AT 20 PSI

3. G.C. SHALL PROVIDE A SERIES 3200 KNOX BOX AT THE ENTRY DOO'R 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.

4. G.C. SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY OF ROANOKE PRIOR TO ANY CONSTRUCTION WITHIN THE RIGHT-OF-WAY.

5. THE SITE CONTRACTOR MUST COORDINATE THE TIMING AND INSTALLATION OF ALL UTILITIES AND MAKE ALL NECESSARY SCHEDULE ARANGEMENTS FOR TEMPORARY OR PERMANENT UTILITIES PER THE PROJECT SCHEDULE.

WESTERN VIRGINIA WATER AUTHORITY NOTES

AVAILABILITY No.: 14-079

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 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.

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.

EXISTING STORM SEWER EXISTING SANITARY SEWER STRUCTURE SCHEDULE: STRUCTURE SCHEDULE: ex. s.s. mh. (S-9)ex. str. AAA Rim=923.84'` DI-7 (TYPE 1 GRATE) Inv. In=914.39' TOP=921.5 Inv. Out =914.29' NEW TOP=922.0 INV. IN =918.2 (T.B.R.) ex. s.s. mh. (S-10) NEW INV. IN=917.59 RIM = 924.30'INV. OUT=915.67 INV. = 917.55'(MODIFY TO MH LID) ex. str. BBB MANHOLE TOP=922.4 NEW TOP=922.6 INV. IN.=916.89 (#55) INV. IN=914.6 (ex. 18" pipe) INV. OUT=914.5 ex. str. CCC (T.B.R.) TOP=921.15 INV. IN=918.4(12" rcp) INV OUT=918.4(18" rcp) ex. str. DDD (T.B.R.) GRATE INLET TOP=921.15 INV IN=919.15 (8" tcp(2)) INV OUT=918.5 (12" rcp) ex. str. EEE (T.B.R.) GRATE INLET TOP=921.65 **INOPERABLE** (T.B.R.)

─ ─ 940

INV. IN=917.90 (STR.#44.STR.#48)

VDOT ST'D DI-1

INV. OUT=917.80 930

TOP=921.50

NOTE: G.C. TO PROVIDE NECESSARY TRENCH BOXES FOR

CONSTRUCTION AND COMPLY WITH ALL OSHA STANDARDS

AND PROCEDURES

VDOT ST'D DI-1

INV. OUT=919.25

-PROPOSED GRADE

80 LF OF 15" CLASS III RCP PIPE AT 1.69%

1"=30' HORIZONTAL

1"=10' VERTICAL

STORM SEWER PROFILE (47-45)

TOP=922.50

STORM STRUCTURE SCHEDULE: ✓ STRUCTURES 1A-42 ∠52 VDOT ST'D DI-3C IN PHASE 1 43 VDOT ST'D MH-2 (FLAT TOP) TOP=921.8 INV. IN=918.2 (12" RCP) INV. IN=919.15 ((2)8" TCP) INV. OUT=918.1 44 30 LF OF 15" RCP CLASS III PIPE AT 0.67% TOP=923.5 45 VDOT ST'D DI-1 TOP=921.50 INV. IN=917.90(#44,#48)INV. OUT=917.8Ö 46 21 LF OF 15" RCP CLASS III PIPE AT 1% INV. OUT=917.59 (ex. storm str. AAA) TOP=924.2 <u>4入</u> VDOT ST'D DI-1 TOP=922.50 INV OUT=919.25 48\ 80 LF OF 15" RCP CLASS III PIPE AT 1.69% INV OUT=917.90 TOP=922.5 TOP=921.70

NOTE: G.C. TO PROVIDE NECESSARY TRENCH BOXES FOR

CONSTRUCTION AND COMPLY WITH ALL OSHA STANDARDS

AND PROCEDURES

(6' THROAT)

TOP=923.50

STORM SEWER PROFILE (52-BBB)

INV. IN=918.42

INV. OUT=918.32

APPROX. LOCATION -OF PROPOSED GAS LINE

95 LF OF 15" CLASS III RCP PIPE AT 1.50%

VDOT ST'D DI-3C

INV. OUT=919.10

45 LF OF 15" TYPE S

1"=30' HORIZONTAL

1"=10' VERTICAL

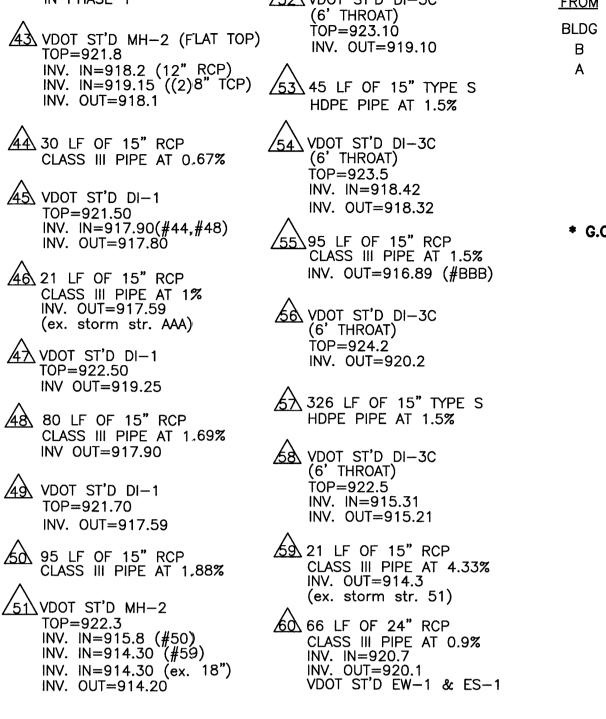
'THROAT)

TOP=923.10

930

910

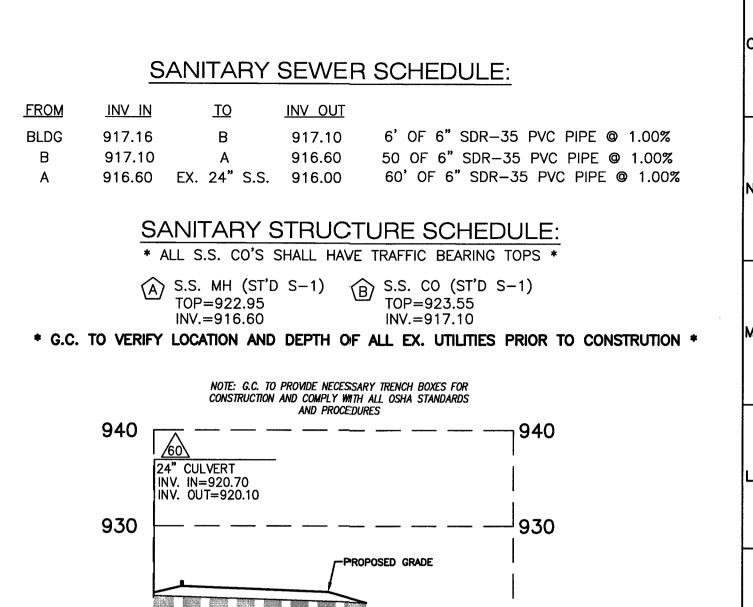
VDOT ST'D DI-3C

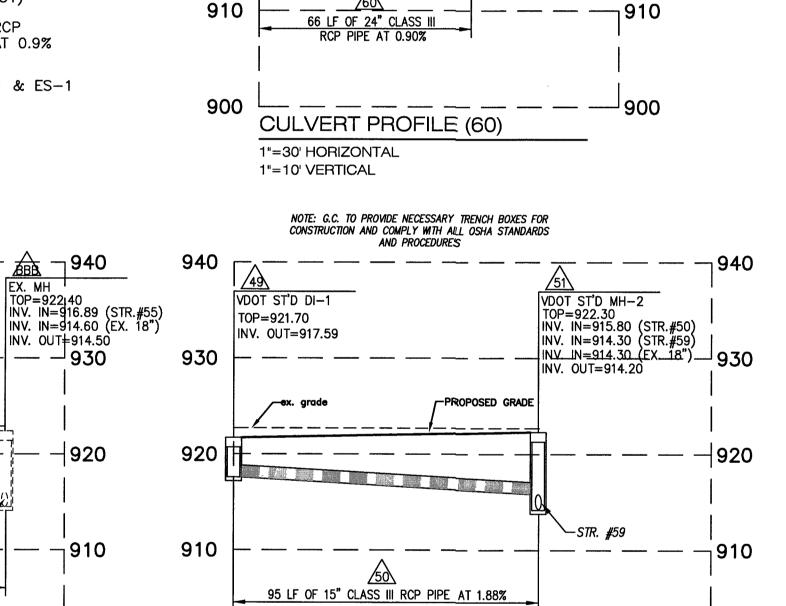


EX. MH

PROPOSED GRADE

EX. 18" PIPE -

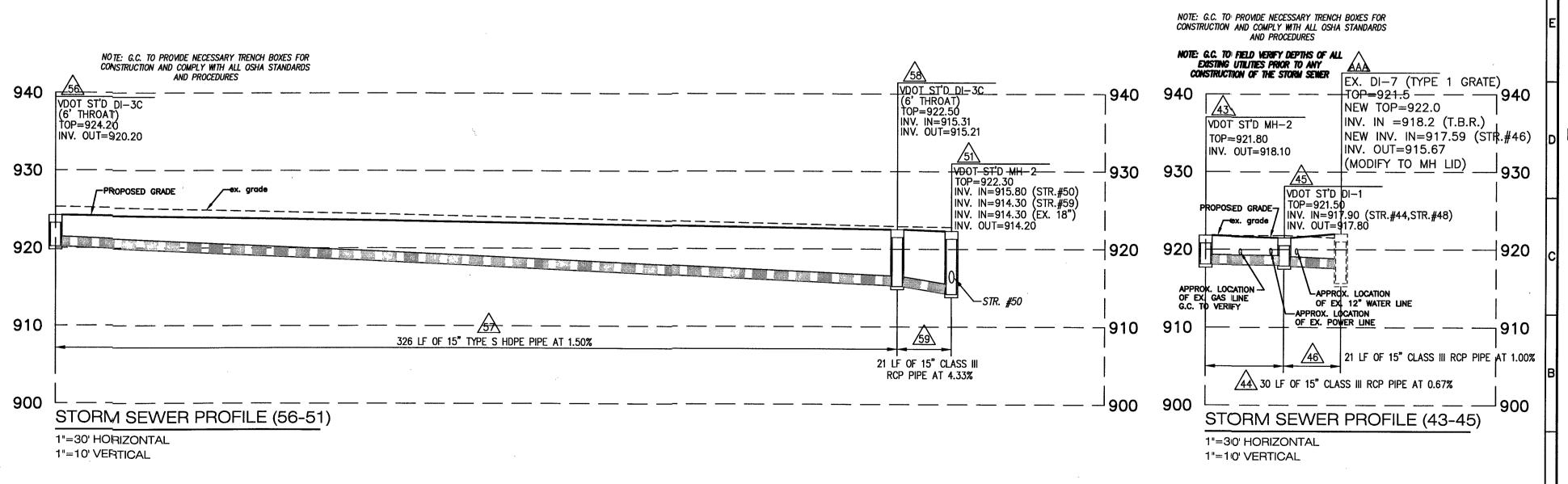


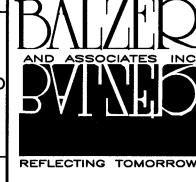


STORM SEWER PROFILE (49-51)

1"=30' HORIZONTAL

1"=10' VERTICAL





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WETLAND DELINEATIONS & STREAM EVALUATION

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EALTH OF Thin Ren CHRISTOPHER P. BURNS Lic. No.047338 07/22/14

SE PHA ∞ BRIDGE 里

DRAWN BY DESIGNED BY BTC CHECKED BY CPB 05/21/2014 DATE AS SHOWN

REVISIONS: 7/22/2014

SCALE

APPROVED AUG 2 0 2014 SHEET NO.