

STORM STRUCTURE SCHEDULE:

- VDOT STD DI-1 GRATE INLET
TOP: 1348.5
INV. OUT: 1343.0
- 51 LF OF 15" TYPE S
HDPE PIPE AT 9.90%
- VDOT STD DI-1 GRATE INLET
TOP: 1342.8
INV. IN: 1338.0
INV. OUT: 1337.9
- 88 LF OF 15" TYPE S
HDPE PIPE AT 3.65%
- VDOT STD MH-2 MH
TOP: 1342.79
INV. IN: 1334.7 (#14)
INV. IN: 1337.5 (#14)
INV. OUT: 1334.6
- 66 LF OF 15" TYPE S
HDPE PIPE AT 1.96%
- VDOT STD DI-38 CURB INLET
(8" THROAT)
TOP: 1342.26
INV. IN: 1333.3 (STR. 6)
INV. IN: 1333.3 (STR. 13)
INV. OUT: 1333.2
- 48 LF OF 15" TYPE S
HDPE PIPE AT 2.48%
- 15" HDPE END SECTION
INV. OUT: 1332.0
- VDOT STD DI-38 CURB INLET
(12" THROAT)
TOP: 1345.45
INV. OUT: 1340.0
- 115 LF OF 15" TYPE S
HDPE PIPE AT 4.52%
- VDOT STD MH-2 MH
TOP: 1341.30
INV. IN: 1334.8
INV. OUT: 1334.7
- 208 LF OF 15" TYPE S
HDPE PIPE AT 0.67%
- ROOFDRAIN TRUNKLINE
198 LF OF 6" SCH. 40 PVC PIPE
AT MIN. 1% W/ 2 CLEANOUTS
- 48" CONCRETE RISER OPEN TOP W/
TRASH RACK
TOP: 1334.3
(1) 4.3" ORIFICE: 1329.0
(2) 12" x 15" ORIFICES: 1332.8
INV. OUT: 1329.0 (ex. 24" RCP)
BOTTOM: 1327.5
BOTTOM OF STRUCTURE TO BE
FILLED WITH CONCRETE TO INV. OUT

NOTES:
1. VDOT STD IS-1 INLET SHAPING
SHALL BE PROVIDED IN ALL
PROPOSED STRUCTURES.
2. NON-SHRINK GROUT SHALL BE
USED FOR ALL STORM SEWER
PIPE CONNECTIONS.

SANITARY SEWER SCHEDULE:

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| BLDG. | (A) | 5 LF OF 6" SDR-35 PVC AT 6.00%
(INV. AT BLDG. 1349.00) |
| (A) | | S.S. C.O. PRIVATE
TOP=1352.88
INV.=1349.7 |
| (A) | (B) | 22 LF OF 6" SDR-35 PVC AT 8.95% |
| (B) | | S.S. C.O. PRIVATE
TOP=1351.70
INV.=1346.7 |
| (B) | (C) | 82 LF OF 6" SDR-35 PVC AT 10.37% |
| (C) | | S.S. C.O. PRIVATE (TRAFFIC-BEARING LID)
TOP=1342.68
INV.=1338.2 |
| (C) | (D) | 94 LF OF 6" SDR-35 PVC AT 1.06% |
| (D) | | S.S. C.O. PRIVATE (TRAFFIC-BEARING LID)
TOP=1340.57
INV.=1337.2 |
| (D) | (E) | 82 LF OF 6" SDR-35 PVC AT 1.47% |
| (E) | | S.S. C.O. PRIVATE (TRAFFIC-BEARING LID)
TOP=1340.11
INV.=1336.0 |
| (E) | (F) | 47 LF OF 6" SDR-35 PVC AT 4.22% |
| (F) | | S.S. C.O. PUBLIC
TOP=1339.0
INV.=1334.0 |

NOTES:
1. G.C. TO CONFIRM & COORDINATE THE BUILDING TIE-IN
LOCATION AND ELEVATION WITH M.E.P. AND ARCHITECTURAL
DRAWINGS PRIOR TO CONSTRUCTION OF LATERAL.
2. G.C. TO CONFIRM THE TIE-IN LOCATION AND ELEVATION TO
THE EXISTING CLEANOUT PRIOR TO CONSTRUCTION AND NOTIFY
THE ENGINEER OF ANY DISCREPANCIES.

UTILITY NOTES:

- G.C. SHALL COORDINATE THE EXACT SANITARY SEWER, WATER, AND STORM SEWER BUILDING TIE-IN LOCATIONS WITH THE ARCHITECTURAL PLANS.
 - ALL UTILITY SERVICE LATERALS OR LINES, INCLUDING ELECTRIC, SHALL BE INSTALLED UNDERGROUND PER SECTION 36.2-610. WATER & SEWER CONNECTIONS SHALL CONFORM TO WWA UTILITY STANDARDS AND INTERNATIONAL BUILDING CODE.
 - THE G.C. SHALL COORDINATE TEMPORARY POWER FOR THE PROPOSED BUILDING AS REQ'D.
 - G.C. SHALL PROVIDE ALL REQUIRED COORDINATION, MATERIALS, AND INSTALLATION TIMING BETWEEN AEP, ROANOKE GAS, AND OTHER PROVIDERS.
- ## GENERAL W.V.W.A. NOTES:
- ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE LATEST WWA DESIGN AND CONSTRUCTION STANDARDS.
 - THE CONTRACTOR OR DEVELOPER IS REQUIRED TO NOTIFY THE WESTERN VIRGINIA WATER AUTHORITY IN WRITING AT LEAST THREE (3) DAYS PRIOR TO ANY CONSTRUCTION. PLEASE CONTACT MARK SINK AT (540) 537-3460.
 - ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE WESTERN VIRGINIA WATER AUTHORITY.
 - FIELD CORRECTIONS SHALL BE APPROVED BY THE WESTERN VIRGINIA WATER AUTHORITY PRIOR TO THE START OF CONSTRUCTION.
 - THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 18" CLEARANCE VERTICALLY AND 2" MINIMUM HORIZONTALLY FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE AT ALL WATER, SANITARY SEWER CROSSINGS OF ANY OTHER UTILITIES. WHERE THIS CANNOT BE ACHIEVED ADDITIONAL MEASURES IN ACCORDANCE WITH WWA STANDARDS SHALL BE ENFORCED.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL EXISTING UTILITIES LOCATED AND POTHOLED TO VERIFY LOCATIONS. THIS PLAN REVIEW DOES NOT REMOVE THE OWNER'S RESPONSIBILITY TO RELOCATE ANY UNKNOWN EXISTING CONFLICTS FOUND DURING CONSTRUCTION WITH THE PROPOSED UTILITY CONSTRUCTION.
 - REFER TO PLAN SET AND WWA DETAILS FOR SPECIFIC CONSTRUCTION STANDARDS.
 - ALL PAVEMENT IN THE PUBLIC RIGHT OF WAY SHALL BE RESTORED BASED ON THE CITY OF ROANOKE RIGHT OF WAY EXCAVATION AND RESTORATION STANDARDS.

W.V.W.A. WATER NOTES:

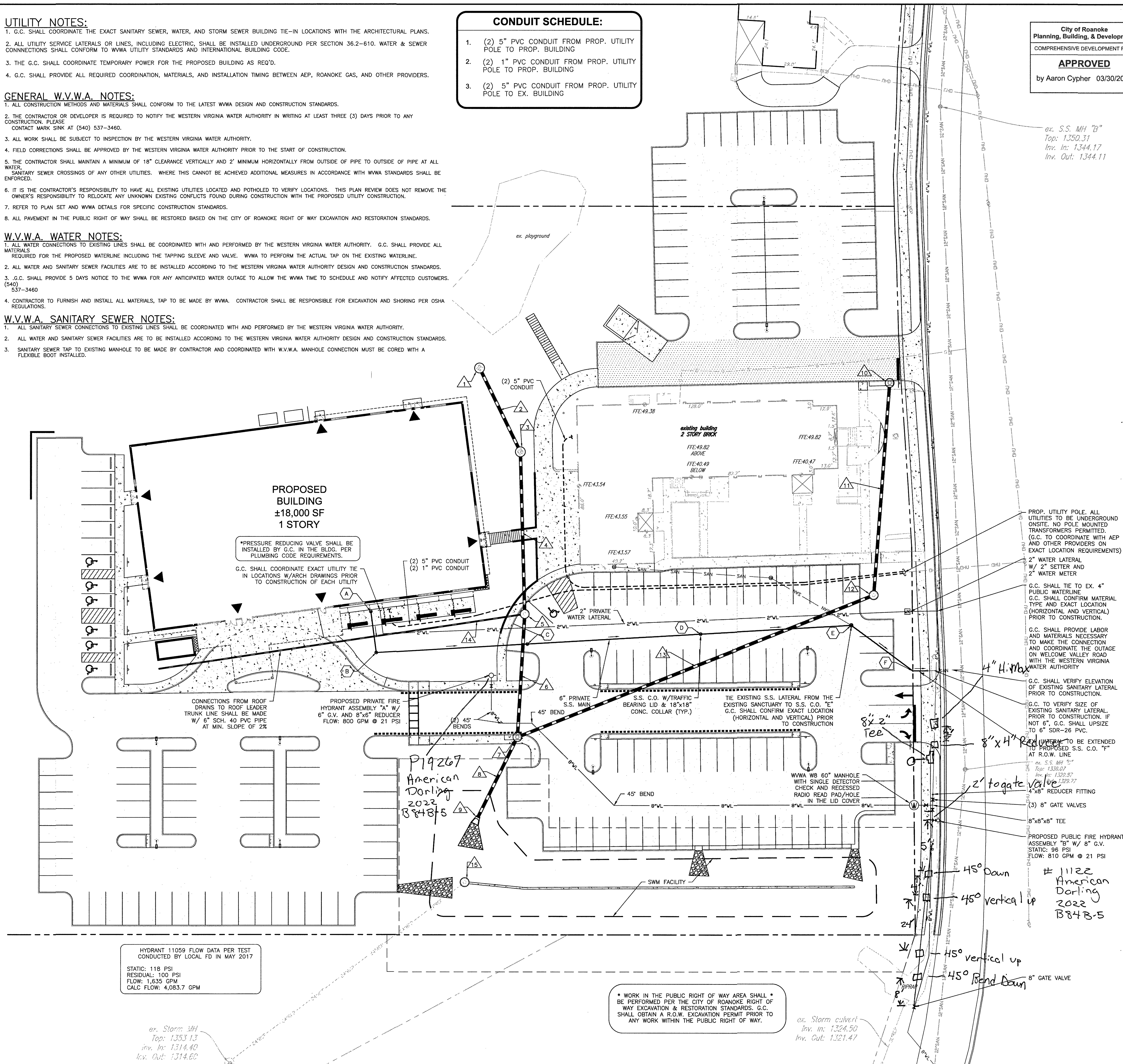
- ALL WATER CONNECTIONS TO EXISTING LINES SHALL BE COORDINATED WITH AND PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY. G.C. SHALL PROVIDE ALL MATERIALS REQUIRED FOR THE PROPOSED WATERLINE INCLUDING THE TAPPING SLEEVE AND VALVE. WWA TO PERFORM THE ACTUAL TAP ON THE EXISTING WATERLINE.
- ALL WATER AND SANITARY SEWER FACILITIES ARE TO BE INSTALLED ACCORDING TO THE WESTERN VIRGINIA WATER AUTHORITY DESIGN AND CONSTRUCTION STANDARDS.
- G.C. SHALL PROVIDE 5 DAYS NOTICE TO THE WWA FOR ANY ANTICIPATED WATER OUTAGE TO ALLOW THE WWA TIME TO SCHEDULE AND NOTIFY AFFECTED CUSTOMERS. (540) 537-3460
- CONTRACTOR TO FURNISH AND INSTALL ALL MATERIALS, TAP TO BE MADE BY WWA. CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATION AND SHORING PER OSHA REGULATIONS.

W.V.W.A. SANITARY SEWER NOTES:

- ALL SANITARY SEWER CONNECTIONS TO EXISTING LINES SHALL BE COORDINATED WITH AND PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY.
- ALL WATER AND SANITARY SEWER FACILITIES ARE TO BE INSTALLED ACCORDING TO THE WESTERN VIRGINIA WATER AUTHORITY DESIGN AND CONSTRUCTION STANDARDS.
- SANITARY SEWER TAP TO EXISTING MANHOLE TO BE MADE BY CONTRACTOR AND COORDINATED WITH W.V.W.A. MANHOLE CONNECTION MUST BE CORED WITH A FLEXIBLE BOOT INSTALLED.

CONDUIT SCHEDULE:

- (2) 5" PVC CONDUIT FROM PROP. UTILITY POLE TO PROP. BUILDING
- (2) 1" PVC CONDUIT FROM PROP. UTILITY POLE TO PROP. BUILDING
- (2) 5" PVC CONDUIT FROM PROP. UTILITY POLE TO EX. BUILDING



City of Roanoke
Planning, Building, & Development
COMPREHENSIVE DEVELOPMENT PLAN
APPROVED
by Aaron Cypher 03/30/2021

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CHRISTOPHER P. BURNS
Lic. No. 47358
12/29/2021

NEW HOPE CHRISTIAN CHURCH
4229 WELCOME VALLEY RD SE
UTILITY PLAN
CITY OF ROANOKE, VIRGINIA

DRAWN BY KAM
DESIGNED BY BTC
CHECKED BY BTC
DATE 11/17/2020
SCALE 1" = 20'
REVISIONS
1/8/2021
1/29/2021

C6
PROJECT NO. 04200027.00