

GENERAL NOTES

PRE-CONSTRUCTION MEETING AND CONSTRUCTION COMMENCEMENT:

- All construction methods and materials shall conform to the Construction Standards and Specifications of Roanoke County, the Western Virginia Water Authority, and the Virginia Department of Transportation.
- Stormwater Management Agreements with an attached 8 1/2" x 11" or 8 1/2" x 14" plat must be approved and recorded prior to the pre-construction meeting.
- Once all required items are submitted to the County of Roanoke, the developer must contact the Development Review Coordinator to indicate that a pre-construction meeting needs to be scheduled. The pre-construction meeting will be scheduled with the owner/developer two (2) working days later.
- All land disturbing projects that require approval of an erosion and sediment control plan, grading or clearing permit shall require that the applicant provide the name of an individual who will be responsible for land disturbing activities and that this individual hold a Responsible Land Disturber (RLD) Certificate from the Department of Environmental Quality. The Responsible Land Disturber can be anyone from the Project team that is certified by the Commonwealth of Virginia to be in charge of carrying out the land disturbing activity for the project.
- It is the responsibility of the owner/developer to notify the certified Responsible Land Disturber and the Utility Contractor to attend the pre-construction meeting.
- The Development Review Coordinator will schedule the pre-construction meeting with the County Review Engineer, the County Inspector, and the Western Virginia Water Authority and the Town of Vinton Public Works Department if applicable.
- An approved set of plans, Storm Water Pollution Prevention Plan (SWPPP), VSPM coverage letter, and all permits must be available at the construction site at all times.
- The developer and/or contractor shall supply all utility companies with copies of approved plans, advising them that all grading and installation shall conform to approved plans.
- The project engineer will inform the owner/developer verbally and in writing of the County's obligation to perform inspections on site. Everyone in the meeting will be required to sign a pre-construction checklist indicating their knowledge of Roanoke County's obligation to perform inspections on site.
- The Erosion Control Permit or Combined Erosion Control & VSPM Permit is given to the developer at this pre-construction meeting.
- Notify the County of Roanoke prior to beginning installation of ESC measures. The County will inspect initial installations to ensure compliance with approved plan prior to start of grading. The developer SHALL contact the project inspector 24 hours before beginning any grading or construction on the property.
- County inspectors must inspect storm drain / stormwater management / BMP installations during the process of installation. Please contact the site inspector 24 hours in advance.
- All work shall be subject to inspection by Roanoke County, the Western Virginia Water Authority and the Virginia Department of Transportation inspectors.
- Contractors shall notify utilities of proposed construction at least two (2), but not more than ten (10) working days in advance. Area public utilities may be notified thru "Miss Utility": 1-800-552-7001 or VA 811.
- The 100 year Floodway shall be stated prior to any construction.
- Grade stakes shall be set for all curb and gutter, culvert, sanitary sewer and storm sewer at all times of construction.
- The Department of Community Development shall be notified when a spring is encountered during construction.
- Construction debris shall be containerized in accordance with the Virginia Litter Control Act. No less than one litter receptacle shall be provided on site.
- The contractor shall provide adequate means of cleaning mud from trucks and/or other equipment prior to entering public streets or rights of ways. It is the contractor's responsibility to insure that the streets are in a clean, mud and dust free condition at all times.
- Plan approval in no way relieves the developer or contractors of the responsibilities contained within the erosion and sediment control or stormwater management policies.
- Field construction shall honor proposed drainage divides as shown on plans.
- Field corrections shall be approved by the Roanoke County Engineering Division and/or the Western Virginia Water Authority and the Professional of Record, prior to such construction.
- The developer or contractor shall supply the County and the Western Virginia Water Authority with correct As-Built plans before final acceptance.

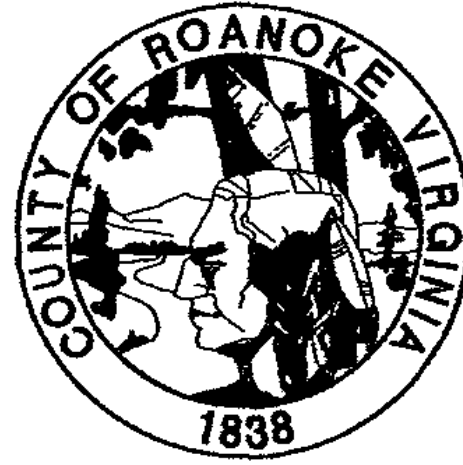
VIRGINIA DEPARTMENT OF TRANSPORTATION:

- Plan approval by Roanoke County does not guarantee issuance of any permits by the Virginia Department of Transportation.
- A permit must be obtained from the Virginia Department of Transportation, Salem Residency Office prior to construction in the highway right-of-way.
- The preliminary pavement designs should be based on a predicted sub-grade CBR value of 7.0 and with a Resiliency Factor (RF) of 2.0 as shown in Appendix I of the 2000 Virginia Department of Transportation Pavement Design Guide for Subdivision and Secondary Roads. The sub-grade soil is to be tested by an independent laboratory and the results submitted to the Virginia Department of Transportation prior to base construction. Should the sub-grade CBR value and/or the RF value be less than the predicted values, additional base material will be required in accordance with Departmental specifications. Refer to the same manual as the number and locations of the required soil samples to be tested. All pavement designs shall be submitted to the Department for review and approval. The sub-grade shall be approved by the Virginia Department of Transportation prior to placement of the base. Base shall be approved by the Virginia Department of Transportation for depth, template, and compaction before the surface is applied.
- Standard guardrail with safety end sections may be required on fills or in areas where hazards exist as deemed necessary. After completion of rough grading operations, the County Engineer and Virginia Department of Transportation shall be contacted to schedule a field review. Where guard rail is warranted, the standard shoulder width shall be provided and the guard rail shall be installed in accordance with the 2001 VDOT Road and Bridge Standards as part of this development.
- Standard street and traffic control signs shall be erected at each intersection by the developer prior to final street acceptance.
- All traffic devices shall be in accordance with current edition of the "Manual on Uniform Traffic Control Devices" (MUTCD).
- All unsuitable material shall be removed from the construction limits of the roadway before placing embankment.

See Sheet C-10 for Stormwater Site Statistics Table.
See Sheet C-12 for New BMP Information Table.

The Project Engineer shall provide electronic copies of the approved plans to the Development Review Coordinator within 5 working days of the pre-construction meeting.

The notes on this sheet shall not be modified.



COUNTY OF ROANOKE, VA

SITE CONSTRUCTION PLANS-NEW CHAPEL FACILITY SEVENTH DAY ADVENTIST REFORM MOVEMENT GENERAL CONFERENCE	
MAGISTERIAL DISTRICT(S)	HOLLINS
OWNER (name, address, telephone)	SEVENTH DAY ADVENTIST REFORM MOVEMENT GENERAL CONFERENCE 5248 HOLLINS ROAD ROANOKE, VA 24019 ATTN: MR. DANIEL LEE (540) 362-1800
DEVELOPER (name, address, telephone)	(SAME AS OWNER)
ENGINEER, ARCHITECT OR SURVEYOR (name, address, telephone)	CALDWELL WHITE ASSOCIATES PO BOX 8260 ROANOKE, VA 24017 ATTN: CORBIN L. WHITE, PE (540) 366-3400
TAX MAP NO(S)	39.05-01-09.00-0000

I, Corbin L. White, OWNER/DEVELOPER, AM AWARE OF THE SITE DESIGN REQUIREMENTS IMPOSED BY THIS SITE DEVELOPMENT PLAN AND OTHER APPLICABLE ROANOKE COUNTY CODES. I HEREBY CERTIFY THAT I AGREE TO COMPLY WITH THESE REQUIREMENTS AND THE THIRTY (30) POINTS SHOWN ON THIS COVER SHEET UNLESS MODIFIED IN ACCORDANCE WITH LOCAL LAW.

WATER NOTES

All water facilities shall be constructed according to the Western Virginia Regional Design and Construction Standards (Latest Edition).

A minimum cover of three (3) feet is required over proposed lines.

Contractor shall be responsible for locating and uncovering valve vaults after paving and adjustment to final grade if necessary.

All existing utilities may not be shown in their exact location. The contractor shall comply with the (State Water Works Regulations, Section 12VAC5-590-1150, where lines cross.

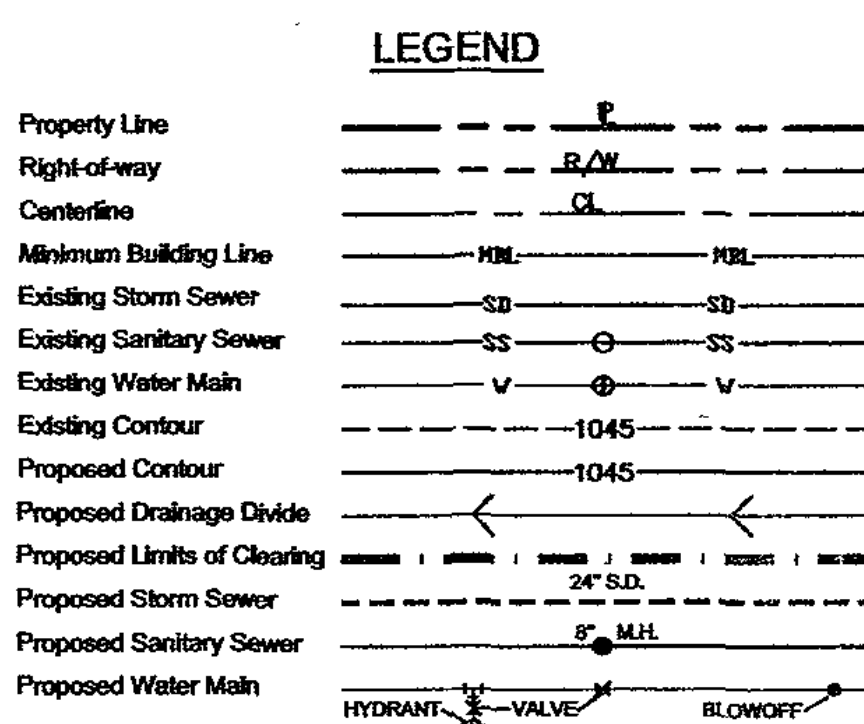
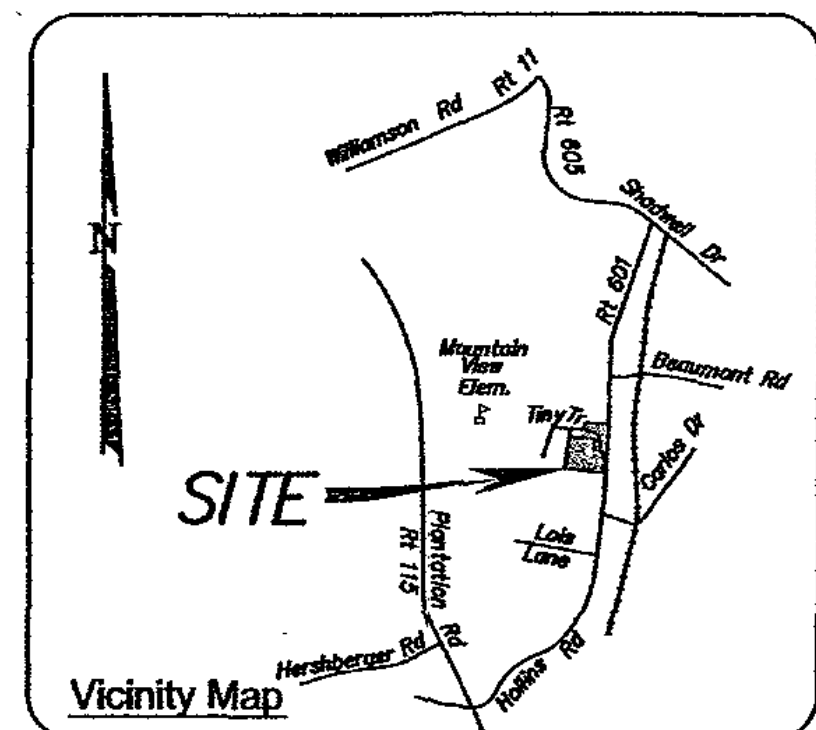
All trenches in existing or future highway right-of-ways shall be compacted according to Virginia Department of Transportation standards.

Lines shall be staked prior to construction.

Water main shall be minimum Class 350 Ductile Iron in accordance with AWWA C151 or DR-14 PVC in accordance with AWWA C-900.

Ductile Iron Pipe in accordance with the Western Virginia Regional Design and Construction Standards shall be required for all pipe with a working pressure equal to or greater than 100 p.s.i.

Western Virginia Water Authority
Availability letter number: 14-169



SEWER NOTES

All sanitary sewer facilities shall be installed according to the Western Virginia Regional Design and Construction Standards (Latest Edition).

A minimum cover of three (3) feet is required over proposed lines.

Contractor shall be responsible for locating and uncovering all manholes after paving. Manhole tops shall be adjusted to grade if necessary.

All existing utilities may not be shown in their exact location. The contractor shall comply with (State Water Works Regulations, Section 12VAC5-590-1150, where lines cross).

All trenches in existing or future rights-of-way shall be compacted according to Virginia Department of Transportation standards.

Lines shall be staked prior to construction.

PRIVATE UTILITIES

Underground utilities installed on private property or in private utility easements and building related storm drains shall be designed and installed per the current edition of the Virginia Uniform Statewide Building Code. Design and installation requirements issued by the Western Virginia Water Authority that meet or exceed the USBC requirements are acceptable for private utilities. All private utilities are to be permitted through and inspected by the Roanoke County Inspections Office. Valves, valves and other devices installed by or under the control of the Western Virginia Water Authority may not substituted for the code required devices.

- C-01 ROANOKE COUNTY STANDARD COVER SHEET
 - C-02 LEGEND, NOTES AND DETAILS
 - C-03 GENERAL PERMIT NO.: VARIO - SUPPLEMENTAL INFORMATION
 - C-04 EXISTING CONDITIONS AND PROJECT OVERVIEW
 - C-05 POLLUTION PREVENTION PLAN
 - C-06 DIMENSIONAL LAYOUT AND LANDSCAPING PLAN
 - C-07 DIMENSIONAL LAYOUT AND LANDSCAPING PLAN
 - C-08 SOIL EROSION AND SEDIMENTATION CONTROL PLAN
 - C-09 SOIL EROSION AND SEDIMENTATION CONTROL PLAN
 - C-10 GRADING AND STORM DRAINAGE PLAN
 - C-11 GRADING AND STORM DRAINAGE PLAN
 - C-12 SITE UTILITIES PLAN
 - C-13 PROFILES - NEW STORM DRAIN, SANITARY AND WATER
 - C-14 SOIL EROSION CONTROL NARRATIVE, MEASURES & CONSTRUCTION SEQUENCING
 - C-15 SOIL EROSION CONTROL DETAILS AND COST ESTIMATE
 - C-16 WESTERN VIRGINIA WATER AUTHORITY DETAILS AND JELLYFISH FILTER DETAILS
- MATERIALS** **Sheet Index**

SURVEY INFORMATION

Horizontal and vertical control surveys were performed in year: 2014
By: FIELD-RUN SURVEY BY CALDWELL WHITE ASSOCIATES

All vertical elevations must be referenced to the National Geodetic Vertical Datum of 1929 or 1988. All horizontal elevations must be referenced to the North American Datum of 1927 or 1983.

Horizontal Datum: LOCAL COORD. SYSTEM Vertical Datum: NGVD 88
Source of topographic mapping is dated: 2014

Boundary was performed by LUMSDEN ASSOC. dated: 12/17/1999

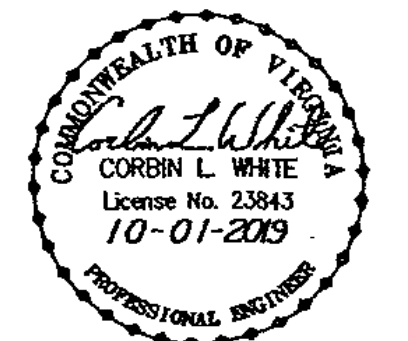
Benchmark Information: DOWLED SQUARE ON TOP BACK OF CURB AT BOOKSTORE (SEE PLAN). ELEVATION = 1091.77. BENCHMARK ESTABLISHED ON-SITE BY CWA FROM PARENT BENCHMARK AT ROANOKE COUNTY VEHICLE GARAGE ON EASTERN SIDE OF HOLLINS ROAD.

The professional seal and signature certifies the boundary survey and topographic mapping to be accurate and correct.

ESTIMATE REVISED QUANTITY & COST ESTIMATE					
ITEM	QUANTITY	UNIT	UNIT PRICE	COST	BONDABLE
CLEARING AND GRUBBING		ACRES			
EXCAVATION		C.Y.			
EMBANKMENT		C.Y.			
GRATE INLET D4-1	1	EACH	1,600.00	1,600	1,600
GRATE INLET D4-7	1	EACH	2,000.00	2,000	2,000
CURB INLET D4-3	3	EACH	2,400.00	7,200	7,200
CONC. STORM MANHOLE	4	EACH	2,000.00	8,000	8,000
15-IN. CONCRETE PIPE, CLASS III	887	LIN. FT.	34.00	30,158	30,158
15-IN. CONCRETE PIPE, CLASS III		LIN. FT.			
15-IN. ES-1 FLARED END SECTION	1	EA	420.00	420	420
15-IN. ES-1 FLARED END SECTION		EA			
WATER QUALITY - CONTECH JELLYFISH FILTER STRUCTURE	1	LS	36,000.00	36,000	36,000
WATER QUALITY - SAND FILTER	400	SF	30.00	12,000	12,000
WATER QUALITY - DRY SWALES	800	SF	12.00	9,600	9,600
15-IN. C.M. CULVERT		LIN. FT.			
15-IN. C.M. CULVERT		LIN. FT.			
BOX CULVERT		LUMP SUM			
12" WIDE CL. III RIP-RAP CHANNEL CP	48	LIN. FT.	90.00	4,320	4,320
RIPPRAP - CLASS		S.F.			
PERMANENT GRASS SWALE		S.Y.			
15-IN. CONCRETE ENDWALL E-W		EACH			
15-IN. END SECTION ES-		EACH			
CONCRETE CURB & GUTTER CG-8	370	LIN. FT.	23.00	8,510	8,510
CONCRETE CURBING CG-2	1,205	LIN. FT.	18.00	21,690	21,690
VALLEY GUTTER		EACH			
GRAVEL BASE		S.Y.			
GRAVEL SHOULDER		S.Y.			
SURFACE TREATMENT		S.Y.			
15-IN. BIT. CONC. TYPE B-		S.Y.			
15-IN. BIT. CONC. TYPE B-		S.Y.			
15-IN. BASE MATERIAL TYPE		C.Y.			
15-IN. SUBBASE MATERIAL		C.Y.			
TRAFFIC CONTROL	1	LS	5,000.00	5,000	5,000
8" WATER LINE		LIN. FT.			
8" WATER LINE	335	LIN. FT.	30.00	10,050	10,050
WATERLINE SPECIALTY VALVE (PRV, DETECTOR CHK, ETC.)	2	EACH	1,200.00	2,400	2,400
FIRE HYDRANT ASSEMBLIES (w/ VALVE & BOX)	1	EACH	2,500.00	2,500	2,500
BLOW OFFS W/VAULT, FRAME & COVER		EACH			
15-IN. GATE VALVES, W/VAULT, FRAME & COVER		EACH			
15-IN. GATE VALVES, W/VAULT, FRAME & COVER		EACH			
8" SANITARY SEWER		LIN. FT.			
STANDARD MANHOLE W/FRAME & COVER		EACH			
SAMPLING MANHOLE/PORT	1	EACH	850.00	850	850
LANDSCAPING	1	LUMP SUM	22,800.00	22,800	22,800
AMENITIES (INCLUDING BUT NOT LIMITED TO TRAILS, ETC.)		LUMP SUM			
STORMWATER MANAGEMENT (OFFICE PLATE R & R)	1	LUMP SUM	500.00	500	500
AS-BUILT PLANS (STORM SEWER SYSTEMS)	1	LUMP SUM	2,100.00	2,100	2,100
AS-BUILT PLANS (STORMWATER MANAGEMENT)	1	LUMP SUM	2,000.00	2,000	2,000
SUBTOTAL				\$ 189,698	\$ 189,698
10% CONTINGENCY				\$ 18,970	\$ 18,970
ESTIMATED TOTAL				\$ 208,668	\$ 208,668

BY SEALING THE PLANS, THE DESIGN PROFESSIONAL, HEREBY CERTIFIES THAT THE FOREGOING ESTIMATE REFLECTS THE CURRENT IMPROVEMENT COSTS OF THIS PROJECT.

Revisions:
 DECEMBER 11, 2014 PER RKE. CO / VDOT / WYMA REVIEW - CLW
 FEBRUARY 16, 2015 PER RKE. CO / WYMA REVIEW - CLW
 MARCH 26, 2015 PER RKE. CO / WYMA REVIEW - CLW
 REVISED MARCH 31, 2015: FREEBOARD ELEVATION PER RKE. CO - CLW
 REVISED OCTOBER 01, 2015: FIELD REK-FRONT DROPOFF - CLW



SEVENTH DAY ADVENTIST REFORM MOVEMENT Roanoke Church



CWA
CALDWELL WHITE ASSOCIATES
 ENGINEERS / SURVEYORS / PLANNERS
 4208 MELROSE AVENUE
 P.O. BOX 8260
 ROANOKE, VIRGINIA 24017-0260
 (540) 366-3400
 FAX: (540) 366-8702

APPROVED FOR CONSTRUCTION	DATE RECEIVED
FOR ROANOKE COUNTY	NOV 05 2019
Department	11/15/19
Development Review	11/15/19
Engineering	11/15/19
Water & Sewer	11/15/19
Planning & Zoning	11/15/19

SITE CONSTRUCTION PLANS FOR NEW CHAPEL FACILITY FOR SEVENTH DAY ADVENTIST REFORM MOVEMENT General Conference
 5248 Hollins Road
 Hollins Magisterial District
 Roanoke, Virginia

SHEET C-01 OF 16

Designed: C.L. White
 Drawn: C.L. White
 Checked:
 Date: October 03, 2014
 Field Book: CH-8
 W.C. No.: 14-008

WVWA - BRIAN Whitenack
 Contractor - Hubbard Excavation

AS-built 2/18/2020