

DATE: MARCH 20, 2008
NOV. 14, 2008
OCT. 14, 2008
NOV. 9, 2008
DEC. 10, 2008
DEC. 31, 2008

HUGHES ASSOCIATES ARCHITECTS
Architecture Planning Consulting

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NEW FACILITY FOR
FELLOWSHIP
COMMUNITY CHURCH
Roanoke County, Virginia
Red Lane Extension

ROANOKE COUNTY
COVER & NOTES

PROGRESS PRINT
12/31/03
FOR COORDINATION
NOT FOR CONSTRUCTION
COMMISSION No.
02005
SHEET
SP-1
No. 1 of 10
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QUANTITY + COST ESTIMATE

ITEM	QUANTITY	UNIT	UNIT PRICE	COST	BONDABLE
CURB INLET DI-3C, L=10'	1	EACH	\$1,400.00	\$1,400.00	\$1,400.00
CURB INLET DI-3C, L=6'	1	EACH	\$1,200.00	\$1,200.00	\$1,200.00
CURB INLET DI-3CC, L=10'	1	EACH	\$1,800.00	\$1,800.00	\$1,800.00
DROP INLET, DI-7	1	EACH	\$1,100.00	\$1,100.00	\$1,100.00
18" CMP END-SECTION	2	EACH	\$750.00	\$1,500.00	\$1,500.00
36" CMP END-SECTION	2	EACH	\$1,400.00	\$2,800.00	\$2,800.00
END-WALL ES-1	1	EACH	\$1,200.00	\$1,200.00	\$1,200.00
ENERGY DISSIPATOR	1	EACH	\$800.00	\$800.00	\$800.00
15" HIGH DENSITY POLYETHYLENE PIPE	95	LIN. FT.	\$15.00	\$1,425.00	\$1,425.00
18" HIGH DENSITY POLYETHYLENE PIPE	501	LIN. FT.	\$18.00	\$9,018.00	\$9,018.00
18" CMP	105	LIN. FT.	\$22.00	\$2,310.00	\$2,310.00
36" CMP	295	LIN. FT.	\$35.00	\$10,325.00	\$10,325.00
CURB & GUTTER, CG-6	1,128	LIN. FT.	\$15.00	\$16,920.00	\$16,920.00
CONC. CURB, CG-2	3,646	LIN. FT.	\$12.00	\$43,752.00	\$43,752.00
2-IN. BIT. CONC. SURFACE COURSE TYPE SM-9.5 AL	11,976	S.Y.	\$14.00	\$167,664.00	\$167,664.00
6-IN. AGGREGATE BASE MATERIAL TYPE 1, SIZE 21-A					
6" PVC	20	LIN. FT.	\$19.00	\$380.00	\$380.00
SAMPLING MANHOLE/ STD 4' DIAMETER MH	1	EACH	\$1,500.00	\$1,500.00	\$1,500.00
ON-SITE WATER SERVICE					
3" PVC	870	LIN. FT.	\$14.00	\$12,180.00	\$12,180.00
6" PVC	730	LIN. FT.	\$19.00	\$13,870.00	\$13,870.00
FIRE HYDRANT ASSEMBLY	1	EACH	\$1,500.00	\$1,500.00	\$1,500.00
METER VAULT W/ METERS	1	EACH	\$3,000.00	\$3,000.00	\$3,000.00
8"x8"x6" TEE AND VALVE	1	EACH	\$1,800.00	\$1,800.00	\$1,800.00
OFF-SITE WATERLINE EXTENSION					
8" PVC	1,006	LIN. FT.	\$22.00	\$22,132.00	\$22,132.00
FIRE HYDRANT ASSEMBLY	2	EACH	\$1,500.00	\$3,000.00	\$3,000.00
8" GATE VALVE W/VAULT, FRAME & COVER	1	EACH	\$1,500.00	\$1,500.00	\$1,500.00
8" TEMP. BLOWOFF VALVE W/VAULT, FRAME & COVER	1	EACH	\$2,500.00	\$2,500.00	\$2,500.00
LARGE DECIDUOUS TREES	62	EACH	\$180.00	\$11,160.00	\$11,160.00
SMALL EVERGREEN TREE	70	EACH	\$110.00	\$7,700.00	\$7,700.00
LARGE DECIDUOUS SHRUB	62	EACH	\$50.00	\$3,100.00	\$3,100.00
SMALL EVERGREEN SHRUB	70	EACH	\$20.00	\$1,400.00	\$1,400.00
SUB-TOTAL				\$ 349,936.00	
10% CONTINGENCY				\$ 34,994.00	
ESTIMATED TOTAL				\$ 384,930.00	
I HEREBY CERTIFY THAT THE FOREGOING ESTIMATE REFLECTS THE CURRENT IMPROVEMENT COSTS OF THIS PROJECT.					
SIGNED:			DATE:		

GENERAL NOTES

All construction methods and materials shall conform to the Construction Standards and Specifications of Roanoke County and/or the Virginia Department of Transportation.

The contractor or developer is required to notify the Roanoke County Engineering Division in writing at least three (3) days prior to any construction, including, but not limited to the following:

- A. Installation of approved erosion control devices
- B. Clearing and grubbing
- C. Subgrade excavation
- D. Installing storm sewers or culverts
- E. Setting curb and gutter forms
- F. Placing curb and gutter
- G. Placing other concrete
- H. Placing gravel base
- I. Placing any roadway surface
- J. Installing water lines
- K. Installing sanitary sewer lines

A pre-construction conference should be scheduled with the Roanoke County Engineering Division, to be held at least one (1) day prior to any construction.

Measures to control erosion and siltation must be provided prior to plan approval. Plan approval in no way relieves the developer or contractor of the responsibilities contained within the erosion and siltation control policies.

A permit must be obtained from the V.D.O.T. Residency Office, Roanoke County, prior to construction in the highway right-of-way.

Plan approval does not guarantee issuance of any permits by V.D.O.T.

An approved set of plans and all permits must be available at the construction site.

Field construction shall honor proposed drainage divides as shown on plans.

All unsuitable material shall be removed from the construction limits of the roadway before placing embankment.

Pavement sections on approved plans are based on a minimum CBR of 10. CBR tests are to be performed by the engineer and submitted to V.D.O.T. and to the Roanoke County Engineering Division prior to placement. CBR values < 10 will require revised pavement sections.

All roadside ditches or grades of more than 5 percent shall be paved with cement concrete to the limits as indicated on the plans and as required at the field inspection.

Location of guard rails shall be determined at a joint field inspection by the County and V.D.O.T.

All springs shall be capped and piped to the nearest storm sewer or natural watercourse. The pipe shall be 6 inch minimum diameter and conform to V.D.O.T. Standard SB-1.

Standard street and traffic control signs shall be erected at each intersection by the developer prior to final street acceptance.

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. It is the contractors responsibility to insure that the streets are in a clean, mud and dust free condition 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.

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.

The developer or contractor shall supply the county with correct As-Built plans before final acceptance.

All work shall be subject to inspection by Roanoke County and/or V.D.O.T. inspectors.

Field corrections shall be approved by the Roanoke County Engineering Division prior to such construction.

100 year floodway and floodplain information shall be shown where applicable.

Grade stakes shall be set for all curb and gutter, culvert, sanitary sewer and storm sewer.

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- SHEET SP-1 ROANOKE COUNTY COVER & NOTES
- SHEET SP-2 SITE LAYOUT PLAN
- SHEET SP-3 GRADING & DRAINAGE PLAN
- SHEET SP-4 EROSION & SEDIMENT CONTROL PLAN
- SHEET SP-5 DETENTION POND SECTION W/ DETAILS AND E&S NARRATIVE
- SHEET SP-6 LANDSCAPE PLAN
- SHEET SP-7 WATER SERVICE & SANITARY SEWER PLAN
- SHEET SP-8 WATER SERVICE & SANITARY SEWER PROFILES
- SHEET SP-9 OFF-SITE WATERLINE PLAN & PROFILE
- SHEET SP-10 ROANOKE COUNTY EROSION & SEDIMENT CONTROL DETAILS

SEWER NOTES

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 or may not be shown in the exact location. The contractor shall comply with State Water Works Regulations, Section 12.05.03, where lines cross.

House connections are to be made with 4" pipe installed at a minimum grade of 1/4 inch to 1 foot in R/W.

Laterals from manholes shall be PVC or Ductile Iron of sufficient length to provide two (2) feet of bearing on natural ground. The transition from ductile iron to asbestos cement or concrete pipe shall be made with an adapter coupling in R/W.

All trenches in existing or future rights-of-way shall be compacted according to V.D.O.T. standards.

Lines shall be staked prior to construction.

WATER NOTES

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 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.

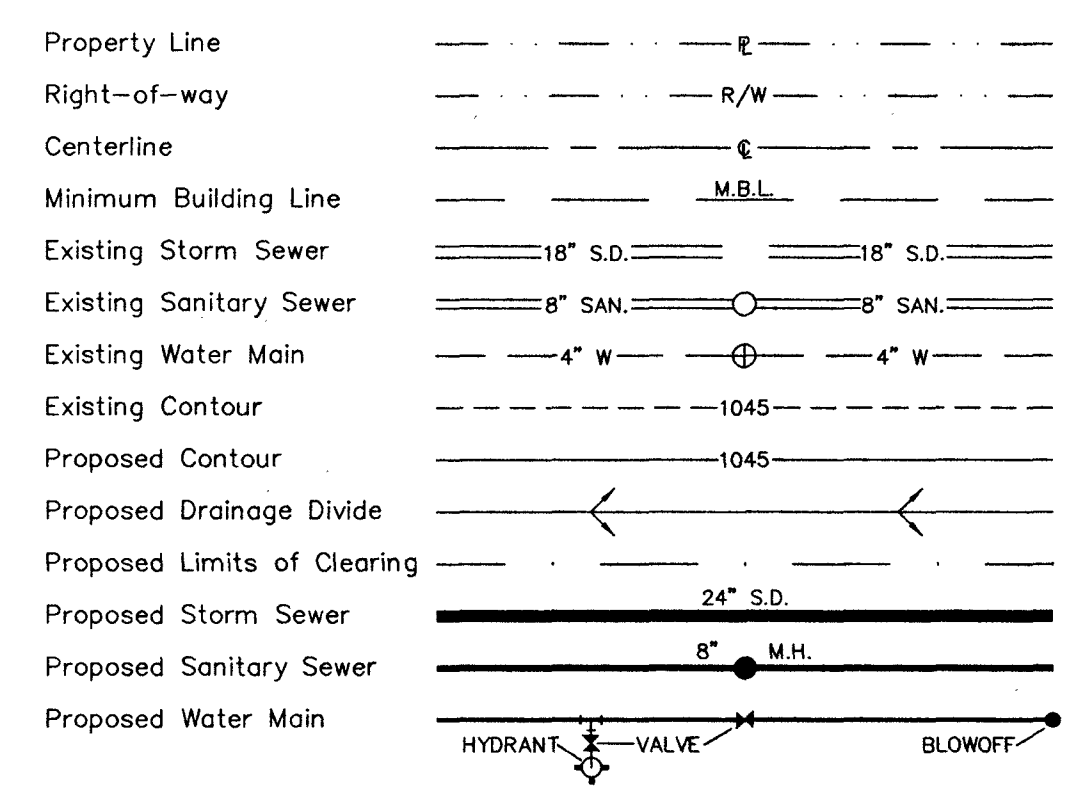
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Lines shall be staked prior to construction.

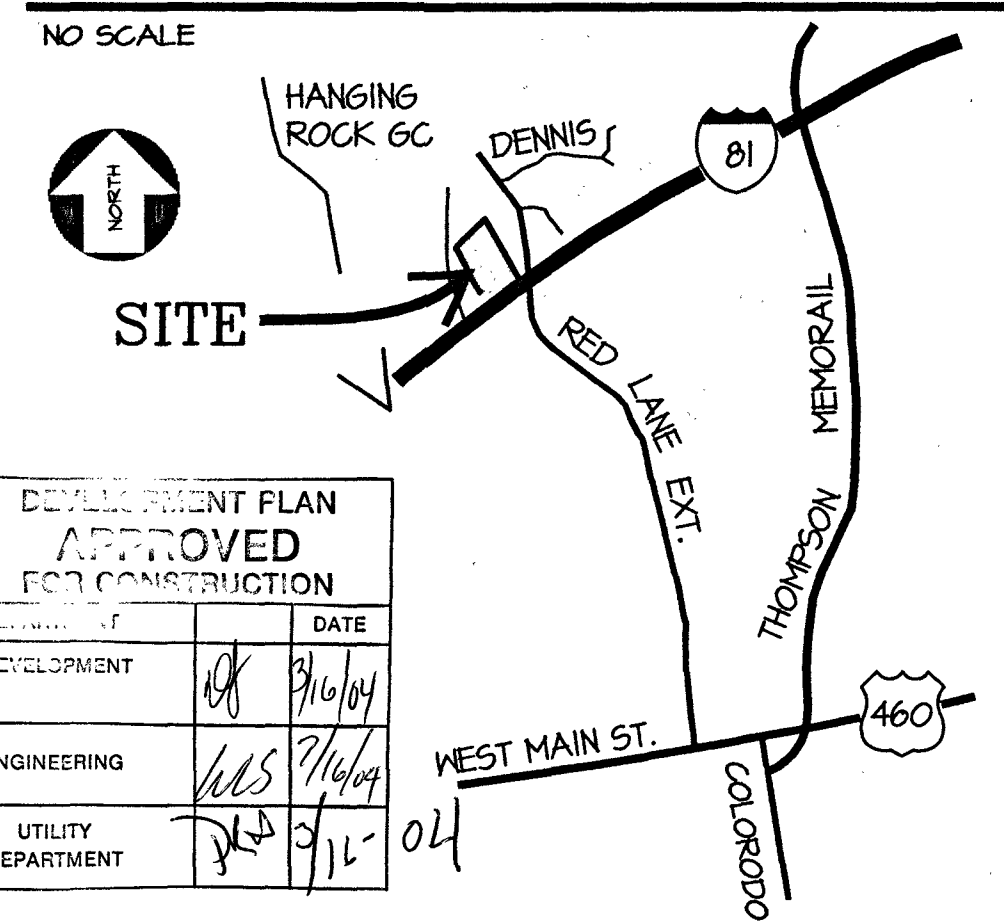
Water main shall be minimum Class 52 Ductile Iron in accordance to AWWA C151 or DR-14 PVC in accordance with AWWA C-900.

Availability number 02-68

LEGEND



VICINITY MAP



SURVEY INFORMATION

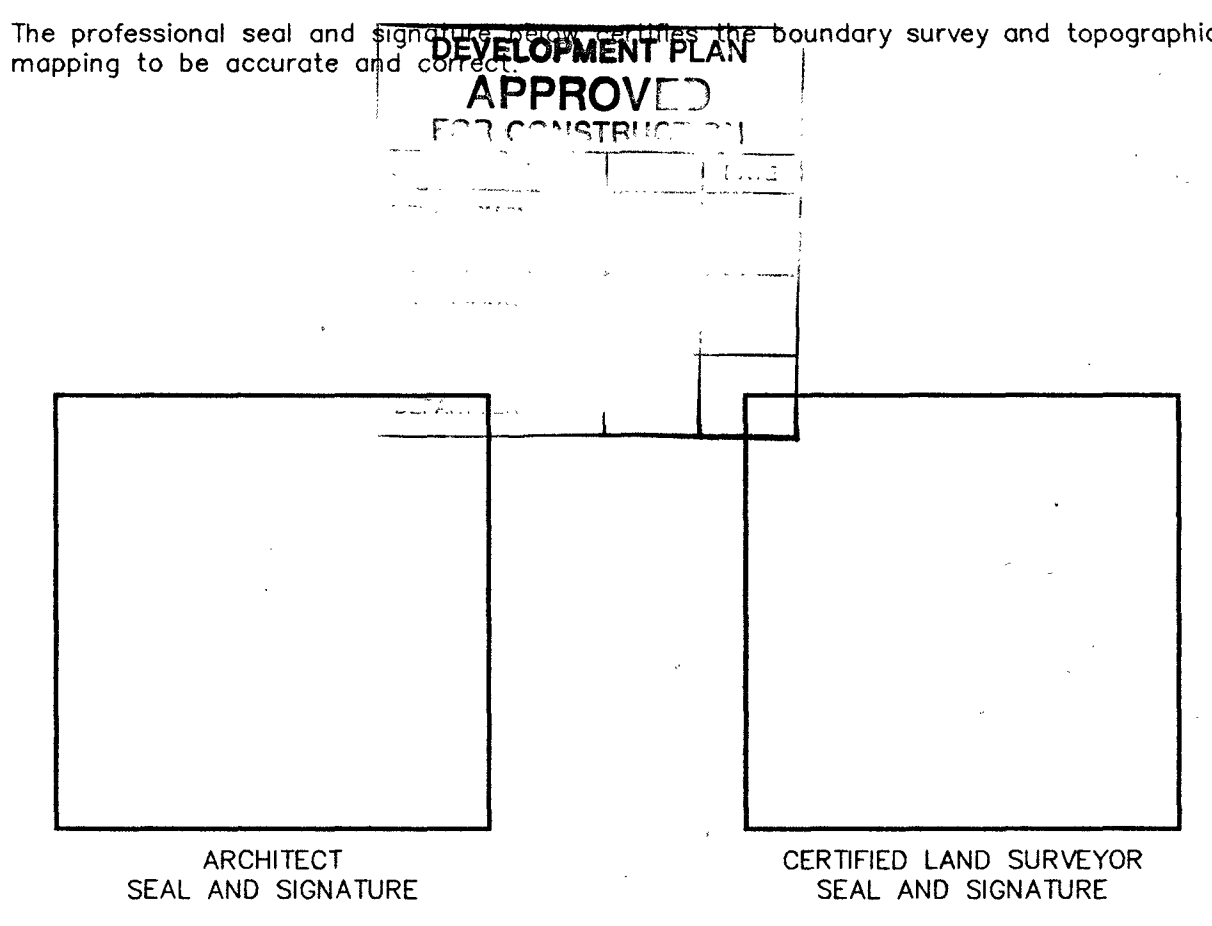
Horizontal and vertical control surveys were performed in (year) _____ by _____

All elevations must be referenced to the National Geodetic Vertical Datum of 1929.

Source of topographic mapping is _____ ROANOKE COUNTY G.I.S. dated _____

Boundary was performed by _____ dated _____

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



COUNTY OF ROANOKE

NAME OF DEVELOPMENT	NEW FACILITY FOR FELLOWSHIP COMMUNITY CHURCH	
MAGISTERIAL DISTRICT(S)	CATAMBA	
OWNER (name, address, telephone)	FELLOWSHIP COMMUNITY CHURCH P.O. BOX 1725 SALEM, VIRGINIA 24153 TEL. 387-3200	CONTACT: SHELDON HENDERSON (540) 387-5054 TEL.
DEVELOPER (name, address, telephone)	FELLOWSHIP COMMUNITY CHURCH P.O. BOX 1725 SALEM, VIRGINIA 24153 TEL. 387-3200	CONTACT: SHELDON HENDERSON (540) 387-5054 TEL.
ENGINEER, ARCHITECT OR SURVEYOR (name, address, telephone)	HUGHES ASSOCIATES ARCHITECTS 656 ELM AVENUE, S.W. P.O. BOX 1034 ROANOKE, VIRGINIA 24005	CONTACT: MIKE WOOLWINE (540) 342-4002 TEL. (540) 342-2060 FAX
TAX MAP NO(S)	45.02-01-15	BLOCK NO(S) _____ PARCEL NO(S) _____

SHEET _____ OF _____