GENERAL NOTES

All construction methods and materials shall conform to the Construction Standards and Specifications of Roanoke County and/or the Western Virginia Water Authority and 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

Field construction shall honor proposed drainage divides as shown

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

The preliminary pavement designs shown are based on a predicted subgrade 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 subgrade 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 subgrade 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 pavement designs shall be submitted to the Department for review and approval. The subgrade 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 surface is applied.

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 and the Western Virginia Water Authority with correct As—Built plans before final acceptance.

All work shall be subject to inspection by Roanoke County, the Western Virginia Water Authority and V.D.O.T. inspectors.

Field corrections shall be approved by the Roanoke County Engineering Division and/or the Western Virginia Water Authority prior to such construction. 100 year floodway and floodplain information shall be shown where

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

> **INDEX** C001 - ROANOKE COUNTY COVER SHEET

C101 - EXISTING CONDITIONS AND DEMOLITION PLAN

C102 - DIMENSIONAL PLAN

C103 - UTILITY PLAN

C104 - GRADING AND DRAINAGE PLAN C105R ESC & SWPP PLAN - PHASE I

C106 - ESC & SWPP PLAN - PHASE II

C202 - PLAN AND PROFILE - ENTRANCE C203 - PLAN AND PROFILE - SIGHT DISTANCE

C501 - CONSTRUCTION DETAILS

C502 - CONSTRUCTION DETAILS

C503 - WATER SYSTEM DETAILS

C504 - ROANOKE COUNTY ESC DETAILS

C505 - ESC NARRATIVE AND DETAILS C506 - STORMWATER MANAGEMENT DETAILS

E302 - ELECTRICAL SITE LIGHTING PLAN

L101 - LANDSCAPING PLAN

L501 - LANDSCAPING DETAILS

SEWER NOTES

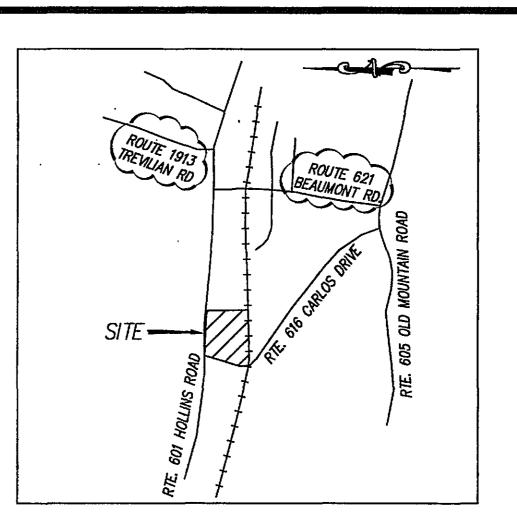
All sanitary sewer facilities shall be installed according to the Western Virginia Water Authority Design and Construction Standards. (Latest Edition).

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

All existing utilities may not be shown or may not be shown in their exact location. The contractor shall comply with (State Water Works Regulations, Section 12.05.03, where lines cross.)

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.



LOCATION MAP

WATER NOTES

All water facilities shall be installed according to the Western Virginia Water Authority 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 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

Lines shall be staked prior to construction.

Availability letter number

compacted according to V.D.O.T. standards.

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

Ductile Iron Pipe in accordance with the Western Virginia Water Authority Design and Construction Standards shall be required for all pipe with a working pressure equal to or greater than 100 p.s.i. 07-400

LEGEND

Property Line Right-of-way Minimum Building Line 18" S.D. ______18" S.D. Existing Sanitary Sewer 8" SAN. 8" SAN. Existing Water Main **Existing Contour ----**Proposed Contour

SURVEY INFORMATION

Horizontal and vertical control surveys were performed in (year) 2007 by LUMSDEN ASSOCIATES

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

Source of topographic mapping is FIELD SURVEY BY LUMSDEN ASSOCIATES dated <u>JULY 2007</u>

Boundary was performed by LUMSDEN ASSOCIATES dated JULY 2007

DEVELOPMENT PLAN APPROVED FOR CONSTRUCTION BY ROANOKE COUNTY Department A Date

COUNTY OF ROANOKE

FLEET SERVICE CENTER NAME OF DEVELOPMENT

HYDRANT VALVE

HOLLINS MAGISTERIAL DISTRICT(S)

ROANOKE COUNTY BOARD OF SUPERVISORS P.O. BOX 29800 OWNER (name, address, telephone) ROANOKE, VA 24018

ROANOKE COUNTY GENERAL SERVICES 1216 KESSLER MILL RD DEVELOPER (name, address, telephone) **SALEM. VA 24153**

SPECTRUM DESIGN, P.C.

ENGINEER, ARCHITECT OR SURVEYOR (name, address, telephone) PLAZA SUITE 1, 10 CHURCH AVE. SE ROANOKE, VA 24011-2104

TAX MAP NO(S) ____39.05_ BLOCK NO(S) ____02_

OWNER/DEVELOPER, AM AWARE OF THE SITE DESIGN REQUIREMENTS IMPOSED BY THIS SITE DEVELOPMENT PLAN AND OTHER APP-LICABLE COUNTY CODES. I HEREBY CERTIFY THAT I AGREE TO COMPLY WITH THESE REQUIREMENTS, UNLESS MODIFIED IN ACCORDANCE WITH LOCAL LAW.

CONTACT: JIM VODNIK (540) 387-6115 (540) 387-6112 (FAX)

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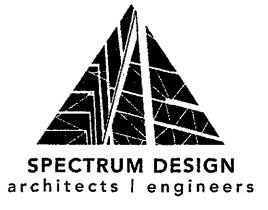
540-342-6001

PARCEL NO(S) <u>04 & 05</u>

SHEET 1 OF 19

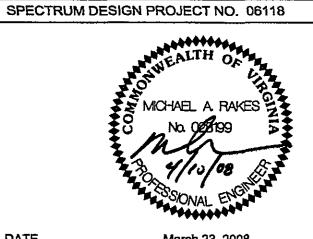
KEY PLAN

GENERAL NOTES



0 CHURCH AVE SE, PLAZA SUITE 1 ROANOKE, VIRGINIA 24011 540.342.6001

FLEET SERVICE CENTER **ROANOKE COUNTY** 5253 Old Hollins Rd Roanoke, VA 24019 IFB-0898



DATE
DESIGN ARCHITECT
PROJECT ARCHITECT
PROJECT ENGINEER
CHECKED BY
DRAWN BY

ADDENDUM#1

SHEET TITLE **ROANOKE COUNTY COVER SHEET**

C001