

[illegible]

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

- 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

Measures to control erosion and siltation must be provided for 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.

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

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

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.

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

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

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.

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.

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

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.

Horizontal and vertical control surveys were performed in (year) 1997  
by PHILIP W. NESTER, INC.

Source of topographic mapping is T.P. PARKER & SON/PSI  
dated APRIL 1988

Boundary was performed by PHILIP W. NESTER, INC.  
dated SEPTEMBER 1997

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



Property Line

Right-of-way

Centerline

Minimum Building Line

Existing Storm Sewer

Existing Sanitary Sewer

Existing Water Main

Existing Contour

Proposed Contour

Proposed Drainage Divide

Proposed Limits of Clearing

Proposed Storm Sewer

Proposed Sanitary Sewer

Proposed Water Main

18" S.D.

8" SAN.

4" W.

1045

1045

24" S.D.

6" M.H.

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

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 V.D.O.T. standards.

Lines shall be staked prior to construction.

Water cost construction as per water construction standards.

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

Application for utilities to serve development reference  
number 96-218

Water construction per Roanoke County Water and Sanitary Sewer Design and Construction Standards.

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

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 right-of-ways shall be compacted according to V.D.O.T. standards.

Lines shall be staked prior to construction.

Sewer construction per Roanoke County Water and Sanitary Sewer Design and Construction Standards.

COUNTY OF ROANOKE

MAGISTERIAL DISTRICT(S) CATAWBA

OWNER (name, address, telephone)	<b>FRALIN &amp; WALDRON, INC.</b> <b>2917 PENN FOREST BLVD., S.W. P.O. BOX 20069</b> <b>ROANOKE, VIRGINIA 24018 (540-774-4415)</b>
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DEVELOPER (name, address, telephone) **FRALIN & WALDRON, INC.**  
**2917 PENN FOREST BLVD., S.W. P.O. BOX 20069**  
**ROANOKE, VIRGINIA 24018 (540-774-4415)**

ENGINEER, ARCHITECT OR SURVEYOR (name, address, telephone) **LUMSDEN ASSOCIATES, P.C.  
4664 BRAMBLETON AVENUE P.O. BOX 20669  
ROANOKE, VIRGINIA 24018 (540)774-4411**

Project Completed 10/2005

TAX MAP NO(S) 45.01

           BLOCK NO(S)            1

PARCEL NO(S) 7

VVWA ID# 6H2G4M