All construction Standards and S Department of T

methods and materials shall conform to the Construction Specifications of Roanoke County and/or the Virginia 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:

erosion control devices

ESTIMATE

SEWEH INCIES

proposed lines.

SPRINGTREE DR.

BELLE

Site

Roanoke City 2

Roanoke Co.

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

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

minimum

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

MANHOLE

Z Z

. CONCRETE

CURB INLET

무무

EACH

CLEARING AND EXCAVATION EMBANKMENT

Lines shall be staked prior to construction All trenches in existing or future rights—of—way according to V.D.O.T. standards. shall 6 compacted

KING

VICINITY MAP

cover of three (3) feet is required over p roposed lines.

WATER

NOTES

All existing utilities may not be shown or may not be exact location. The cantractor shall comply with the Regulations, Section 12.05.03, where lines cross. Contractor shall be responsible for locating and uncovaults after paving and adjustment to final grade if i necessary. shown in the State Water Works

Lines shall be staked prior to s in existing or future highway right—of—ways shall be according to V.D.O.T. standards. construction

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

Availability number

98-297

Proposed Existing Existing Minimum Existing Existing Proposed Proposed Right-of-way Centerline Property Line Contour Water Main Sanitary Sewer Storm Sewer Sanitary : Water Contour Building Line Limits of Clearing Drainage Divide Storm Sewer Main SAN. S.D.: -1045--1045-R∕¥ 8" SAN.= 18" S.D. .4. ₩-

GRAVEL SHOULDER

SURFACE TREATMENT

-IN. BIT. CONC.: TYPE B
-IN. BASE MATERIAL

-IN. SUBBASE MATERIAL

S B

CURB & GUTTER
VALLEY GUTTER
GRAVEL BASE

LIN. FT. EACH S.Y.

CC-

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SECTION

CECCOS

SWAL

EACH

CULVERT

LUMP

MUS

N. C.M.

CULVERT

TRAFFIC BARRICADE

8" WATER LINE

6" WATER METERS

WATER METERS

FIRE HYDRANT ASSEN

HYDRANT ASSEMBLIES
W OFFS W/VAULT, FRAME & COVER
N. GATE VALVES, W/VAULT, FRAME & CO
N. GATE VALVES, W/VAULT, FRAME & COVER
RELEASE W/VAULT, FRAME & COVER

COVER

1000

\$1000

\$1000

-- | 0 |

\$20

\$9780

\$9780

EACH
EACH
EACH
EACH
EACH
EACH

\$1800 \$1500 \$600 \$1500

\$1800 \$1500 \$1500 \$1500

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 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 developer or contractor shall supply the county with As—Built plans before final 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.

Construction debris shall be containerized in accordance with Virginia Litter Control Act. No less than one litter receptacle shall be provided on site.

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

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

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

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

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

Field construction shall honor proposed drainage divides as on plans.

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

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

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

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

A. installation of approved erosion cont 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 gravei base 1. Placing any roadway surface J. Installing water lines K. Installing sanitary sewer lines

8" SANITARY SEWER

MANHOLE(S)

STANDARD WANHOLE W/FRA

SAMPLING MANHOLE/PORT

CLEANOUT(S)

5 40

VERT. FT. EACH

\$250 \$125

\$13040 \$5000 \$1250

100 year floodway and floodplain applicable.

information shall

for all curb and gutter,

NDEX

NAME

유

DEVELOPMENT

HALEY'S

FIELD

SUBDIVISION

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

Aii work shall be subject to V.D.O.T. inspectors.

inspection

by Roanoke

County and/or

County Engineering

STORMWATER

MANAGEMENT

15

PER/1000SF

\$35

\$500

LUMP

MUS

MUS AWNT

\$100

\$100

\$100

\$200

\$1800

\$1800

\$1250

ESTIMATED

TOTAL

DATE:

\$40,805

\$37:0

SHEET SHEET SHEET SHEET SHEET SHEET

- UN 4 D O

COVER SHEET
UTILITY PLAN
PROFILE SHEET
SEWER DETAILS
WATER DETAILS
E & S DETAIL S

SHEET

ENGINEER,

ARCHITECT

웄

SURVEYOR

(name,

address,

telephone

PIERSON

ENGINEERING

SURVEYING.

P.O.

311,

DALEVILLE,

X

24083

(540)966-3027

PARCEL

NO(S)

BLOCK NO(S)

DEVELOPER (name,

telephone)W.

TODD

4751

APRIL

LANE,

OWNER (name,

telephone)

۶

TODD

4751

APRIL

LANE.

MAGISTERIAL

DISTRICT(S)

VINTON

8/5/99

0%

CONTINGENCY

Harizontal and vertical control surveys were performed in (year).

by PIERSON ENGINEERING & SURVEYING

1993

SURVEY INFORMATION

All elevations must be referenced mapping Ż, PILL YUN the National ENCINFERM Geodetic Vertical Datum SURVEYING 1929.

ьу PIERSIN FIGINEERING SURVEYING

Revon Right Right The professional seal and signature below mapping to be accurate and correct.

| DEPARTMENT | ENGINEERING | LNSWHOTENEC | DEFARIMENT | DEVELOPMENT PLAN APPROVED FOR CONSTRUCTION |
|------------|---------------|-------------|-------------------------|--------------------------------------------|
| 1 | 100 P.4 | | DATE | |
| | 23, 023842 NO | | O RODERICK F. PIERSON " | S S PO TELL |

PROFESSIONAL ENGINEER
SEAL AND SIGNATURE
APPROVE "AS-BUILT"

JE AND SIGNATURE

ROANC 关 m

OF THE SITE DESIGN REQUIREMENTS IMPOSED BY THIS SITE DEVELOPMENT PLAN AND OTHER APPLICABLE COUNTY CODES. I HEREBY CERTIFY THAT I AGREE TO COMPLY WITH THESE REQUIREMENTS, UNLESS MODIFIED IN ACCORDANCE WITH LOCAL LAW.

ROANOKE, ROANOKE, ≨ × 24012 24012

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SHEET

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