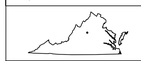
Virginia Department of Transportation

PLAN AND PROFILE

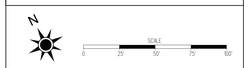
RIO MILLS ROAD / BERKMAR DRIVE EXTENDED CONNECTION

SHEET NO. 3

Project Location



North Arrow & Scale



Legend

- Proposed Full Depth Pavement
- Proposed Gravel
- Demolition of Pavement
- Proposed Limits of Construction - Cut
- Proposed Limits of Construction - Fill
- Potential Stormwater Management Basin
- Proposed Right of Way
- Proposed Permanent Easement
- Proposed Temporary Construction Easement
- Existing Right of Way
- Existing Prescriptive Easement
- Existing Easement
- Property Line

REFERENCES (PROFILES,DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Utility Owners	IE
Construction Alignment Data	IF(1)-IF(12)

RFP PLANS
For Information Only
Addendum #1
DATE: 2/7/18

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

Contact Information

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Virginia Department of Transportation
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Charlottesville, Va 22911

Comments may also be sent to:
Harold.Jones@VDOT.Virginia.gov

Rio Mills Rd. / Berkmar Dr. Extended Connection
Albemarle County, Virginia

9999-002-941, P101, R201, C501
UPC 109397

These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right of way. Additional easements for utility relocations may be required beyond the proposed right-of-way shown on these plans.

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013 HERMAN MORRIS & STELLA L.MORRIS
DB 1519 PG 323
DB 4722 PG 432
2.39 AC.
T.M. MAP* 4500-00-00-057A1

011 HERMAN MORRIS & STELLA L.MORRIS
DB 1519 PG 323
0.50 AC.
T.M. MAP* 4500-00-00-058A

INSET A

BEGIN PROJECT 9999-002-941,R201
STA.97+50.00 RIO MILLS CONST.BL.

015 JEFFREY GIBSON & VEGINA M.GIBSON
DB 4890 PG 516
DB 294 PG 532 (Plat)
0.52 AC.
T.M. MAP* 4500-00-00-057.00

014 JENNIFER METZ MARSHALL
WB 158 PG 309
1.4063 AC.
PARCEL ID* 04500-00-00-015

BEGIN PROJECT 9999-002-941,P101,C501
STA.98+50.00 RIO MILLS CONST.BL.
BEGIN CONSTRUCTION
STA.98+50.00 RIO MILLS CONST.BL.

PC98+67.4

013 HERMAN MORRIS & STELLA L.MORRIS
DB 1519 PG 323
DB 4722 PG 432
2.39 AC.
T.M. MAP* 4500-00-00-057A

011 HERMAN MORRIS & STELLA L.MORRIS
DB 1519 PG 323
0.50 AC.
T.M. MAP* 4500-00-00-058A

MATCH LINE STA.101+00.00 RIO MILLS CONST.BL.
INSET A - THIS SHEET

010 HORNE LAND CORPORATION
DB 620 PG 482
46.432 AC.
PARCEL ID* 04600-00-00-088

012 LUCK STONE CORPORATION
Inst# 2018000013501
41.61 AC.
T.M. MAP* 04500-00-00-058

MATCH LINE STA.101+00.00 RIO MILLS CONST.BL.
INSET A - THIS SHEET

PCC101+19.83

012 LUCK STONE CORPORATION
Inst# 2018000013501
41.61 AC.
T.M. MAP* 04500-00-00-058

014 JENNIFER METZ MARSHALL
WB 158 PG 309
1.4063 AC.
PARCEL ID* 04500-00-00-015

HEIRS OF MARY B.GOLDEN
Inst# 2009050504
WB 128 PG 673
DB 260 PG 592
15.983 AC.
PARCEL ID* 04600-00-00-016

INSTALL PROPOSED ADVANCED WARNING SIGNS W13-2R AND W13-2 ALONG SB BERKMAR DR.DUE TO REDUCED INTERSECTION SIGHT DISTANCE AHEAD OF RIO MILLS RD / BERKMAR DR. INTERSECTION.

HEIRS OF MARY B.GOLDEN
Inst# 2009050504
WB 128 PG 673
DB 260 PG 592
1.025 AC.
PARCEL ID* 04600-00-00-017

QUARRY ENT.& SOUTH RIO MILLS RD.TIE

PROP.TEMP.CONST.ESMT

PROP.P.E.

PROP.R/W

PROP.PERM.DRAINAGE EASEMENT

RIO MILLS CONST.BL.

PROP.ST.D.CD-6

PROP.SUP

PROP.TEMP. CONST. ESMT

REMNANT AREA
17.64 AC±

RIO MILLS CURVE DATA

Curve C7
PI = 99+28.34
DELTA = 4°-1'-55.54" (LT)
T = 1°46'.06
D = 12.167
L = 24.509'
R = 5,240.00'
PC = 98+78.74
PCC = 101+19.83
DS = 30 MPH
E = 2%

Curve C8
PI = 101+74.90
DELTA = 57°-7'-44.33"(LT)
D = 12°-25'-03"
T = 405.27'
L = 698.28'
R = 550.00'
PCC = 101+19.83
PT = 108+18.0
DS = 30 MPH
E = 2% (LT)

010 HORNE LAND CORPORATION
DB 620 PG 482
46.432 AC.
PARCEL ID* 04600-00-00-088

END PROJECT 9999-002-941,P101,R201,C501
STA.112-90.85 RIO MILLS CONST.BL.
POT STA.112-90.85 RIO MILLS CONST.BL.
POT STA.163-05.00 BERKMAR CONST.BL.
Δ= 90° 00' 00" LT

PROP.TEMP.CONST.ESMT

PROP.PERM.DRAINAGE EASEMENT

PROP.R/W

PROP.ST.S/W

PROP.ST.D.CD-6

RIO MILLS CONST.BL.

S 61°29' 11" E

PROP.ST.D.CD-6

PROP.SUP

PROP.R/W

PROP.TEMP. CONST. ESMT

PROP.PERM.DRAINAGE EASEMENT

010 HORNE LAND CORPORATION
DB 620 PG 482
46.432 AC.
PARCEL ID* 04600-00-00-088

N 18°-55'-05" E
BERKMAR CONST.BL.

PT164+72.47

HORNE LAND CORPORATION
DB 620 PG 482
46.432 AC.
PARCEL ID* 04600-00-00-088

END CONSTRUCTION
STA.112+74.76 RIO MILLS CONST.BL.

BERKMAR CURVE DATA

Curve C5
PI = 162+88.88
DELTA = 23°-1'-11.02" (LT)
D = 5°-43'.46"
T = 187.32
L = 371.52
R = 1000.00'
PC = 160+01.56
PT = 164+72.47

PCC161+00.36

M 40°-12'-56" E BERKMAR CONST.BL.

PROP.PERM.DRAINAGE EASEMENT

RIO MILLS

PROFILE GROUND
EXISTING GROUND
PROPOSED GRADE
ELEVATIONS

BEGIN PROJECT 9999-002-941,R201
STA.97+50.00 RIO MILLS CONST.BL.

BEGIN PROJECT 9999-002-941,P101,C501
STA.98+50.00 RIO MILLS CONST.BL.
BEGIN CONSTRUCTION
STA.98+50.00 RIO MILLS CONST.BL.

VPI
STA = 99+50.00
EL = 572.38
ex = 0.63
K = 51
L = 160.00

-1.00%

-1.05%

VPI
STA = 102+30.00
EL = 570.35
SSD = 268'
ex = 1.60'
K = 31
L = 200.00

PROPOSED GRADE

EXISTING GROUND

END PROJECT 9999-002-941,P101,R201,C501
STA.112-90.85 RIO MILLS CONST.BL.

FUTURE BERKMAR WIDENING

END CONSTRUCTION
STA.112+74.76 RIO MILLS CONST.BL.

STA = 112+62.85
EL = 562.69

-2.00%

VPI
STA = 112+35.85
EL = 562.15

4.00%

VPI
STA = 110+50.00
EL = 568.43
ex = 4.26'
K = 39
L = 360.00

99+00.00 100+00.00 101+00.00 102+00.00 103+00.00 104+00.00 105+00.00 106+00.00 107+00.00 108+00.00 109+00.00 110+00.00 111+00.00 112+00.00

5'
0
25'

SHEET NO. 3