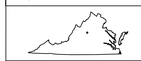
Virginia Department of Transportation

PLAN AND PROFILE

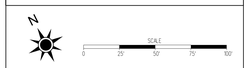
RIO MILLS ROAD / BERKMAR DRIVE EXTENDED CONNECTION

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 & DRAWING DESCRIPTION SHEETS, ETC.)	
Utility Owners	IE
Construction Alignment Data	IF(1)-IF(2)

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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Comments may also be sent to:
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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.

Imagery Courtesy of the Commonwealth of Virginia copyright 2009/2010.

013 HERMAN MORRIS & STELLA L.MORRIS
DB 519 PG 323
DB 4722 PG 432
0.50 AC
T.M. MAP* 4500-00-00-057A1

011 HERMAN MORRIS & STELLA L.MORRIS
DB 519 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 4896 PG 516
0.47 AC
T.M. MAP* 4500-00-00-0570C

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+67.74

014 JENNIFER METZ MARSHALL
WB 158 PG 309
1.4053 AC
PARCEL ID* 04500-00-00-015

013 HERMAN MORRIS & STELLA L.MORRIS
DB 519 PG 323
DB 4722 PG 432
2.39 AC
T.M. MAP* 4500-00-00-057A

011 HERMAN MORRIS & STELLA L.MORRIS
DB 519 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* 04600-00-00-00B

012 LUCK STONE CORPORATION
Inst* 2018000001360
41.61 AC
T.M. MAP* 04500-00-00-058

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

PCCP=19.43

012 LUCK STONE CORPORATION
Inst* 2018000001360
41.61 AC
T.M. MAP* 04500-00-00-058

014 JENNIFER METZ MARSHALL
WB 158 PG 309
1.4053 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 W13-2P AND W3-2 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

REMNANT AREA
17.64 AC±

RIO MILLS CURVE DATA

Curve C7
PI = 99+29.34
DELTA = 4°-11'-55.54" (LT)
T = 17.46'
D = 1.01.67
L = 243.09'
R = 5,740.00'
PC = 98+76.74
PCC = 101+19.83
DS = 30 MPH
E = 1.2%

Curve C8
PI = 113+74.90
DELTA = 57°-44'-33.70" (LT)
T = 425.27'
L = 698.28'
R = 550.00'
PCC = 101+19.83
PT = 108+18.11
DS = 30 MPH
E = 2.5% (10.5%)

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

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

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.C.&G.
RIO MILLS CONST.BL.
S 61°29' 11" E
PROP.ST.D.C.&G.
PROP.10' SUP
PROP.R/W
PROP.TEMP. CONST. ESMT
PROP.PERM.DRAINAGE EASEMENT

PT164+72.47

N 18°55'05" E
BERKMAR CONST.BL.

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

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

BERKMAR CURVE DATA

Curve C5
PI = 152+88.88
DELTA = 23°-11'-02" (LT)
D = 5°-43'-46"
T = 187.32'
L = 371.52'
R = 1,000.00'
PC = 150+01.56
PT = 164+72.47

PCC98+00.56

PROP.PERM.DRAINAGE EASEMENT

M 40°12'-56" E BERKMAR CONST.BL.

PROP.PERM.DRAINAGE EASEMENT

RIO MILLS

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.

577.39
-4.00%
VPI
STA = 99+50.00
EL = 573.38
ex = 0.63
K = 51
L = 160.00
-1.05%
STA = 102+30.00
EL = 570.35
SSD = 268'
ex = 1.60'
K = 31
L = 200.00
VPI
PROPOSED GRADE
EXISTING GROUND
-2.00%
END PROJECT 9999-002-941,P101,R201,C501
STA.112+90.85 RIO MILLS CONST.BL.
FUTURE BERKMAR WIDENING
STA = 112+52.85
EL = 562.69
END CONSTRUCTION
STA.112+74.76 RIO MILLS CONST.BL.
-2.00%
VPI
STA = 110+50.00
EL = 568.43
ex = 4.26'
K = 39
L = 360.00
VPI
STA = 112+35.85
EL = 562.15
4.00%
562.71
5'
0
25'

EXISTING GROUND ELEVATIONS	PROPOSED GRADE ELEVATIONS
578.9	
577.39	577.39
576.45	576.45
575.54	575.54
574.65	574.65
573.84	573.84
573.38	573.38
573.22	573.22
573.22	573.22
573.34	573.34
573.63	573.63
573.88	573.88
574.08	574.08
574.22	574.22
574.34	574.34
574.42	574.42
574.47	574.47
574.51	574.51
574.54	574.54
574.56	574.56
574.57	574.57
574.57	574.57
574.57	574.57