

Site Location Map
Scale 1 inch = 5000 feet

Index of Sheets	
Sheet No.	Title
1	COVER
2	EXISTING SITE PLAN
3	PROPOSED SITE PLAN
4	DRIVEWAY & CULVERT DETAIL

Specification Table	
No.	Title
VA-705	POLLUTION CONTROL
VA-706	SEEDING/EROSION BLANKET
VA-707	SITE PREPARATION
VA-708	SALVAGING & SPREADING TOPSOIL
VA-721	EXCAVATION
VA-723	EARTHFILL
VA-751	CORRUGATED METAL PIPE
	GEOTEXTILE
VA-761	LOOSE ROCK RIPRAP
	ASPHALT PAVING
	CONTROL OF WATER (SEE NOTE PAGE 4)

Table of Estimated Quantities		
Item	Unit	Quantity
Mobilization & Demobilization	1	LS
Erosion & Sediment Control	1	LS
Control of Water	1	LS
Removal of Existing Asphalt Driveway	100	SY
Topsoil Stripping & Replacement	350	CY
Clearing & Grubbing	0.5	AC
Common Excavation	200	CY
Earthfill	150	CY
Geotextile Fabric	20	SY
Riprap, Class A1	15	TN
Bedding Stone	8	TN
Gravel Driveway Replacement	6	TN
Erosion Blankets	350	SY
Permanent Turf Establishment	0.5	AC
18" DIAM. CORRUGATED METAL PIPE	30	LF
18" Precast Endwall	1	EA
Installation of Proposed Asphalt Driveway	100	TONS

- Notes**
- The contractor is responsible for obtaining and complying with all permits and easements. This includes all federal, state and local permits.
 - The contractor is responsible for checking and complying with all local ordinances that may affect the project.
 - MISS UTILITY (Virginia telephone number 811) must be contacted at least 3 working days before construction begins. The contractor is responsible for contacting MISS UTILITY. The contractor must be able to provide the MISS UTILITY ticket number within 24 hours upon request by the SWCD representative. The contractor is responsible for locating any buried utilities (water lines, electric lines, telephone lines, gas lines, sewer lines, etc.) in the work area that are not covered by the MISS UTILITY program.
 - SWCD makes no representation of the existence or nonexistence of utilities. The presence or absence of utilities on the construction drawings does not assure that there are or are not utilities in the work area.
 - The contractor is responsible for knowing and following the appropriate safety standards required by the Virginia Safety and Health Codes Board.
 - The contractor shall notify the local SWCD representative at least one week prior to beginning construction, and at all other times specified in this construction plan and attached specifications.
 - These Drawings and Specifications will not be modified or deviated from unless approved in writing by the Engineer who has sealed these drawing and an SWCD Representative.
 - Prior to beginning construction, the cover sheet must be signed by the contractor, and the SWCD representative. The contractor must sign the cover sheet acknowledging that these responsibilities are understood and the contractor must return the signed cover sheet to the SWCD Representative. If requested by SWCD, the contractor shall arrange for a meeting with SWCD to review the construction drawings and specifications prior to construction.
 - Contractor shall maintain access to local residences during construction.

The SWCD Representative for this project is:

The SWCD office telephone number is:

Benchmark Descriptions

CP #	1	Actual Elev.	452.22
Description: Iron pipe with cap at east side of ex. earthen spillway channel. N: 6864480.60 E: 11603253.39			
CP #	2	Actual Elev.	456.03
Description: Iron pipe with cap at west side of ex. earthen spillway channel N: 6864466.61 E: 11603083.01			

Acknowledgment Signatures
These construction drawings and attached specifications have been reviewed I understand what is required. (Sign and date below)

Contractor _____

Contractor _____

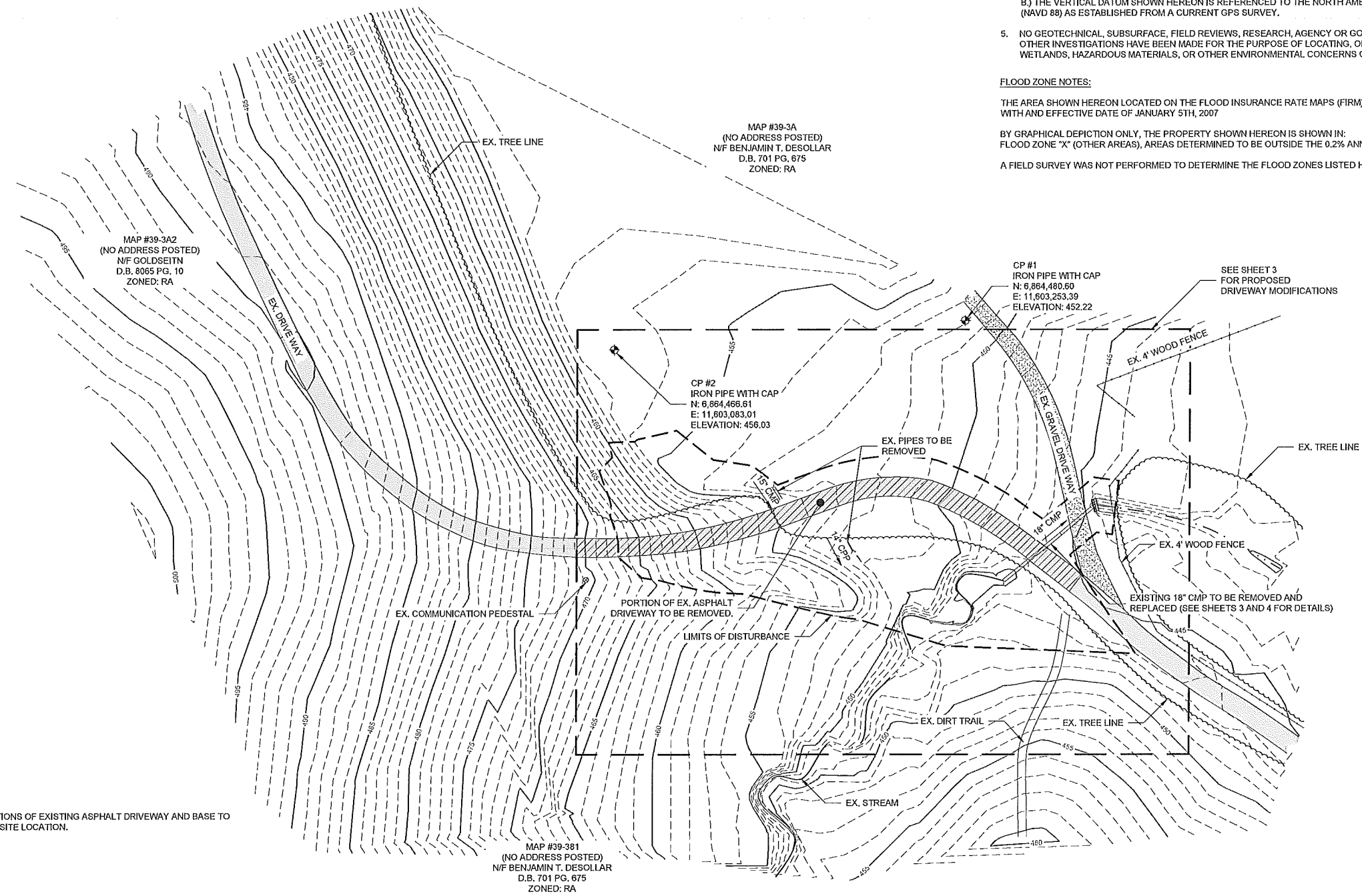
SWCD Representative _____

Engineering Job Class:



DATE	
DESCRIPTION	
REV	
CHECKED BY: RPB	
DRAWN BY: JSR	
DESIGNED BY: JTC	
	RANDALL P. BASS, P.E. License No. 046713 State of Virginia Date: 12/2015
MOUNTAIN RUN DAM NO. 8A CAYNOR DAM ROAD RELOCATION CULPEPER COUNTY, VA	
COVER SHEET	
PROJECT: 18C17020.00	
DATE: APRIL 2018	
SHEET 1 OF 4	

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EXISTING SITE PLAN NOTES:

1. PRIOR TO EARTHWORK ACTIVITIES, INDICATED PORTIONS OF EXISTING ASPHALT DRIVEWAY AND BASE TO BE REMOVED AND DISPOSED OF IN AN APPROVED, OFFSITE LOCATION.

GENERAL NOTES:

1. THE PROPERTIES SHOWN HEREON ARE IDENTIFIED ON THE CULPEPER COUNTY, VIRGINIA GEOGRAPHIC INFORMATION SYSTEM AS MAP #39-3A, #39-3A2, #39-381 AND ARE CURRENTLY ZONED RA.
2. THE PROPERTIES SHOWN HEREON ARE NOW IN THE NAME OF BENJAMIN T., DESOLLAR, RECORDED AT DEED BOOK 701 AT PAGE 675 AND GOLDSTEIN, RECORDED AT DEED BOOK 8065 PAGE 10, ALL AMONG THE LAND RECORDS OF CULPEPER COUNTY, VIRGINIA.
3. DURING THE PROCESS OF THE PHYSICAL SURVEY NO INDICATIONS OF A CEMETERY WERE FOUND. NO FURTHER INSPECTION OF THESE PROPERTIES HAVE BEEN MADE FOR POSSIBLE CEMETERIES.
4. A.) HORIZONTAL DATUM SHOWN HEREON IS REFERENCED TO THE VIRGINIA COORDINATE SYSTEM (VCS) 1983 - NORTH AS ESTABLISHED FROM A CURRENT GPS SURVEY.
B.) THE VERTICAL DATUM SHOWN HEREON IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AS ESTABLISHED FROM A CURRENT GPS SURVEY.
5. NO GEOTECHNICAL, SUBSURFACE, FIELD REVIEWS, RESEARCH, AGENCY OR GOVERNMENTAL RECORD REVIEWS, OR OTHER INVESTIGATIONS HAVE BEEN MADE FOR THE PURPOSE OF LOCATING, OR DETERMINING THE EXISTENCE OF WETLANDS, HAZARDOUS MATERIALS, OR OTHER ENVIRONMENTAL CONCERNS ON SITE.

FLOOD ZONE NOTES:

THE AREA SHOWN HEREON LOCATED ON THE FLOOD INSURANCE RATE MAPS (FIRM), COMMUNITY PANEL NO. 51113C0235C, WITH AN EFFECTIVE DATE OF JANUARY 5TH, 2007

BY GRAPHICAL DEPICTION ONLY, THE PROPERTY SHOWN HEREON IS SHOWN IN: FLOOD ZONE "X" (OTHER AREAS), AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

A FIELD SURVEY WAS NOT PERFORMED TO DETERMINE THE FLOOD ZONES LISTED HEREON.

MAP #39-3A2
(NO ADDRESS POSTED)
N/F GOLDSEITN
D.B. 8065 PG. 10
ZONED: RA

MAP #39-3A
(NO ADDRESS POSTED)
N/F BENJAMIN T. DESOLLAR
D.B. 701 PG. 675
ZONED: RA

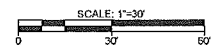
MAP #39-381
(NO ADDRESS POSTED)
N/F BENJAMIN T. DESOLLAR
D.B. 701 PG. 675
ZONED: RA

CP #1
IRON PIPE WITH CAP
N: 6,864,480.50
E: 11,603,253.39
ELEVATION: 452.22

CP #2
IRON PIPE WITH CAP
N: 6,864,466.61
E: 11,603,083.01
ELEVATION: 456.03

SEE SHEET 3
FOR PROPOSED
DRIVEWAY MODIFICATIONS

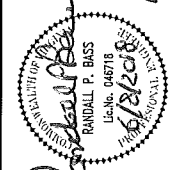
EXISTING 18" CMP TO BE REMOVED AND
REPLACED (SEE SHEETS 3 AND 4 FOR DETAILS)



REV	DESCRIPTION	DATE

DESIGNED BY: JTC
DRAWN BY: JSR
CHECKED BY: RPB

RANDALL P. BASS, P.E.
DATE: 4/18/2018
VIRGINIA PROFESSIONAL ENGINEER NO. 046718

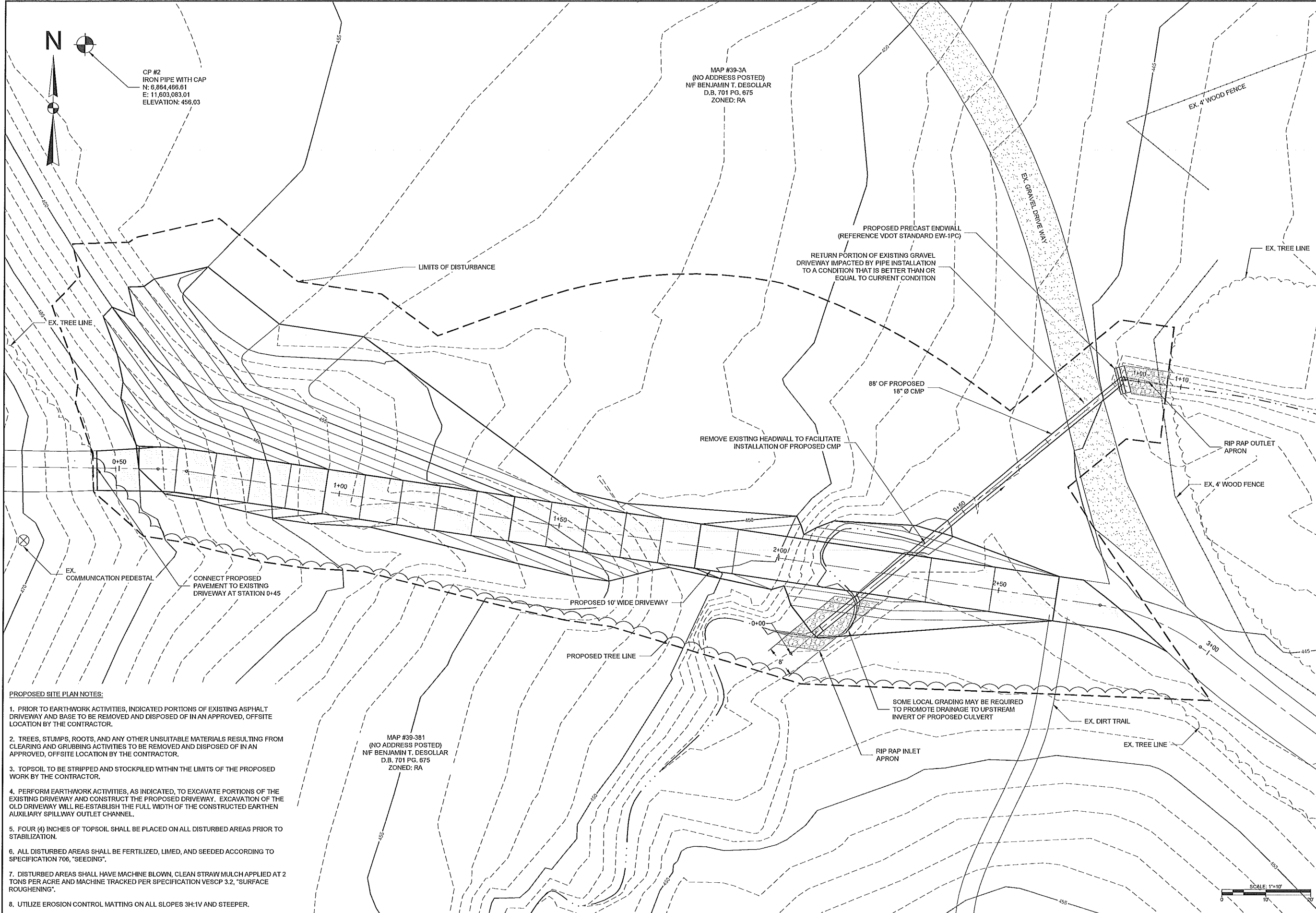


MOUNTAIN RUN DAM NO. 8A
CAYNOR DAM ROAD RELOCATION
CULPEPER COUNTY, VA

EXISTING SITE PLAN

PROJECT: 18C17020.00
DATE: APRIL 2018
SHEET
2 OF 4

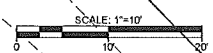
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- PROPOSED SITE PLAN NOTES:**
- PRIOR TO EARTHWORK ACTIVITIES, INDICATED PORTIONS OF EXISTING ASPHALT DRIVEWAY AND BASE TO BE REMOVED AND DISPOSED OF IN AN APPROVED, OFFSITE LOCATION BY THE CONTRACTOR.
 - TREES, STUMPS, ROOTS, AND ANY OTHER UNSUITABLE MATERIALS RESULTING FROM CLEARING AND GRUBBING ACTIVITIES TO BE REMOVED AND DISPOSED OF IN AN APPROVED, OFFSITE LOCATION BY THE CONTRACTOR.
 - TOPSOIL TO BE STRIPPED AND STOCKPILED WITHIN THE LIMITS OF THE PROPOSED WORK BY THE CONTRACTOR.
 - PERFORM EARTHWORK ACTIVITIES, AS INDICATED, TO EXCAVATE PORTIONS OF THE EXISTING DRIVEWAY AND CONSTRUCT THE PROPOSED DRIVEWAY. EXCAVATION OF THE OLD DRIVEWAY WILL RE-ESTABLISH THE FULL WIDTH OF THE CONSTRUCTED EARTHEN AUXILIARY SPILLWAY OUTLET CHANNEL.
 - FOUR (4) INCHES OF TOPSOIL SHALL BE PLACED ON ALL DISTURBED AREAS PRIOR TO STABILIZATION.
 - ALL DISTURBED AREAS SHALL BE FERTILIZED, LIMED, AND SEEDING ACCORDING TO SPECIFICATION 706, "SEEDING".
 - DISTURBED AREAS SHALL HAVE MACHINE BLOWN, CLEAN STRAW MULCH APPLIED AT 2 TONS PER ACRE AND MACHINE TRACKED PER SPECIFICATION VESCP 3.2, "SURFACE ROUGHENING".
 - UTILIZE EROSION CONTROL MATTING ON ALL SLOPES 3H:1V AND STEEPER.

MAP #39-381
(NO ADDRESS POSTED)
N/F BENJAMIN T. DESOLLAR
D.B. 701 PG. 675
ZONED: RA

MAP #39-3A
(NO ADDRESS POSTED)
N/F BENJAMIN T. DESOLLAR
D.B. 701 PG. 675
ZONED: RA

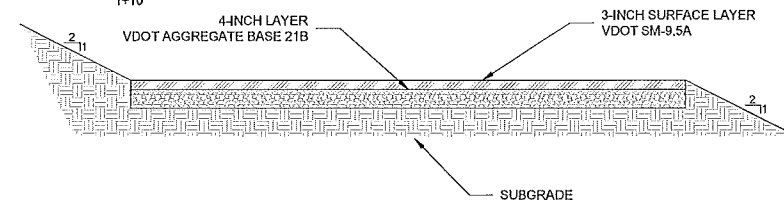
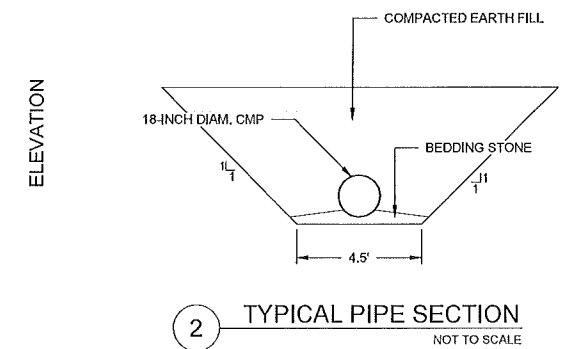
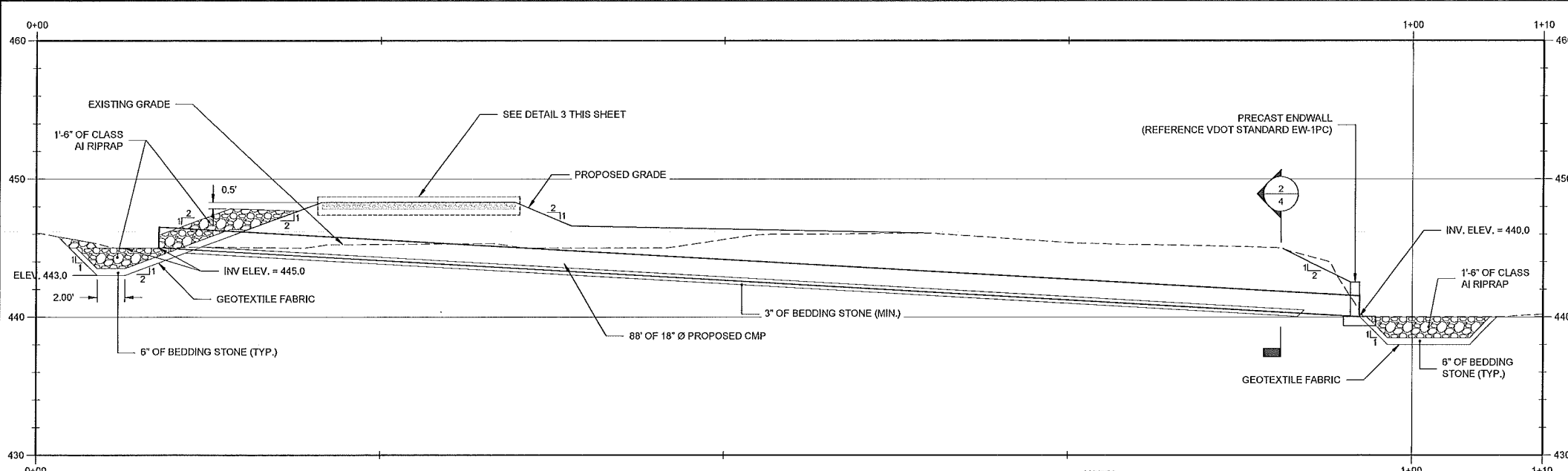


REV.	DESCRIPTION	DATE

CHECKED BY: RPB DRAWN BY: JSR DESIGNED BY: JTC	RANDALL P. BASS, P.E.  VIRGINIA PROFESSIONAL ENGINEER NO. 046718
 Schnabel ENGINEERING <small>6445 Shiloh Road, Suite A / Alpharetta, GA 30005 / Phone: 770-781-8000 / Fax: 770-781-8003 / schnabel-eng.com</small>	PROPOSED SITE PLAN
MOUNTAIN RUN DAM NO. 8A CAYNOR DAM ROAD RELOCATION CULPEPER COUNTY, VA	PROJECT: 18C17020.00 DATE: APRIL 2018 SHEET 3 OF 4

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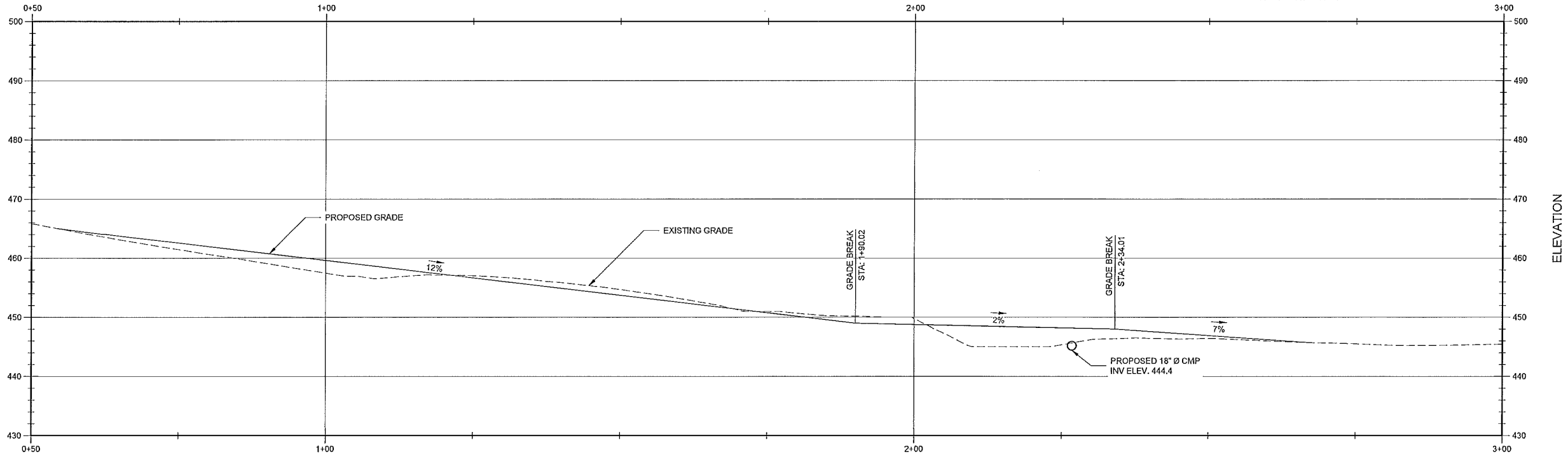
CONTROL OF WATER NOTE:
 CONTRACTOR SHALL ANTICIPATE THE NEED TO CONTROL WATER DURING WORK ASSOCIATED WITH THE REPLACEMENT OF THE CULVERT PIPE.

1 PIPE PROFILE
 SCALE: 1"=5'

- NOTES:**
1. PROPOSED CMP SHALL BE BITUMINOUS COATED 16 GAUGE STEEL.
 2. PROPOSED CMP CONDUIT SHALL BE BEDDED ON A MINIMUM OF 3 INCHES OF BEDDING STONE.
 3. CMP JOINTS SHALL BE WRAPPED WITH GEOTEXTILE FABRIC A MINIMUM WIDTH OF 12 INCHES ON EITHER SIDE OF THE JOINT PRIOR TO BACKFILLING OF CONDUIT.
 4. CLASS A1 RIPRAP SHALL BE PLACED SUCH THAT THE UPSTREAM END OF THE PROPOSED CMP CONDUIT IS UNOBSTRUCTED AND PROMOTES A FREE FLOW OF WATER.

3 TYPICAL DRIVEWAY PAVEMENT SECTION
 NOT TO SCALE

- DRIVEWAY PAVEMENT NOTES:**
1. DRIVEWAY SHALL BE INSTALLED IN ACCORDANCE WITH THE 2016 VDOT ROAD & BRIDGES SPECIFICATION BOOK.
 2. ASPHALT TACK COAT TO BE USED BETWEEN SURFACE LAYER AND AGGREGATE BASE.



4 DRIVEWAY PROFILE
 SCALE: 1"=10'

DATE	
DESCRIPTION	
REV	
DESIGNED BY	JTC
DRAWN BY	JSR
CHECKED BY	RPB
PROJECT	18C17020.00
DATE	APRIL 2018
SHEET	4 OF 4



MOUNTAIN RUN DAM NO. 8A
 CAYNOR DAM ROAD RELOCATION
 CULPEPER COUNTY, VA

PROFILE VIEW

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