FOR INDEX OF SHEETS SEE SHEET 1A

MAINTENANCE LEGEND

550 LF - SIDEWALK

323 LF - SIDEWALK

CONVENTIONAL SIGNS

550 LF - CURB AND GUTTER (CG-7 0 SY - CURB RAMPS (CG-12)

0 LF - CURB AND GUTTER (CG-7 0 SY - CURB RAMPS (CG-12)

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-0 0 0 0 0

DATUM LINE

THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY

CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE

DEPARTMENT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD AND BRIDGE STANDARDS, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO

THE MUTCD, 2019 VIRGINIA WORK AREA PROTECTION MANUAL, REV. 2 AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE

THE <u>ORIGINAL</u> APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, ARE FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES,

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.11U, EXCEPT

IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF THE LAW.

AS AWARDED, HAS BEEN <u>SEALED AND SIGNED</u> USING DIGITAL SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL

FILES AND LAYERED PLANS, SEE THE GENERAL NOTES.

ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

100% - PRINCE WILLIAM COUNTY

100% - VDOT

STATE LINE COUNTY LINE

FENCE LINE

WATER LINE

TRAVELED WAY GUARD RAIL

RETAINING WALL RAILROADS

GAS LINE

BRIDGES CULVERTS DROP INLET

HEDGE TREES

POWER POLES

HEAVY WOODS

GROUND ELEVATION

GRADE ELEVATION

CITY.TOWN OR VILLAGE RIGHT OF WAY LINE

SANITARY SEWER LINE

BASE OR SURVEY LINE

LEVEE OR EMBANKMENT

TELEPHONE OR TELEGRAPH POLES

TELEPHONE OR TELEGRAPH LINES

NECESSARY BY THE DEPARTMENT.

WHERE OTHERWISE NOTED.

UNFENCED PROPERTY LINE FENCED PROPERTY LINE

ELECTRIC UNDERGROUND CABLE



EN18-076-283 (SEE TABULATION BELOW FOR SECTION NUMBERS) FHWA 534 DATA 45028 TAP-5BOI()

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA URBAN COLLECTOR GS-7 Fr: ASPHALT TRAIL N. OF SOMERSET CROSSING DR To: ASPHALT TRAIL IN SOMERSET CROSSING SUBDIVISION ADT (2019) 3,400 5,153 ADT (2040) 296 D (%) (design hour) 79.7% T (%) (design hour) 25 (POSTED), 40 (DESIGN)

APPLICANT SHALL PROVIDE A PROOF OF PURCHASE OF THE OFFSITE NUTRIENT CREDITS (FROM THE NONPOINT SOURCE CREDIT BANKS APPROVED BY THE DEQ) IN THE FORM OF PURCHASE AND SALE AGREEMENT PRIOR TO APPLYING FOR THE LAND DISTURBANCE PERMIT OR THE CONSTRUCTION GENERAL PERMIT, WHICHEVER COMES FIRST

TIER 1 PROJECT

LOC	ALLY ADMINISTERED PROJECTS
	PRINCE WILLIAM COUNTY
	NAME OF LOCALITY
	(SIGNATURE)
	KHATTAB SHAMMOUT, P.E.
RECOMMENDE	D FOR APPROVAL FOR RIGHT OF WAY ACQUISITION
	ASSISTANT DIRECTOR OF TRANSPORTATION
DATE	TITLE OF POSITION
	(SIGNATURE)
	KHATTAB SHAMMOUT, P.E.
RECOM	MENDED FOR APPROVAL FOR CONSTRUCTION
	ASSISTANT DIRECTOR OF TRANSPORTATION
DATE	TITLE OF POSITION

RECOMMENDED FOR APPROVAL							
FOR RIGHT OF WAY ACQUISITION							
DISTRICT PLANNING AND INVESTMENT MANAGER							
DISTRICT PROJECT DEVELOPMENT ENGINEER							
APPROVED FOR RIGHT OF WAY ACQUISITION							
DISTRICT ENGINEER/ADMINISTRATOR							

EVISED	RECOMMENDED FOR APPROVAL FOR CONSTRUCTION
	DISTRICT PLANNING AND INVESTMENT MANAGER
	DISTRICT PROJECT DEVELOPMENT ENGINEER
	APPROVED FOR CONSTRUCTION
	DISTRICT ENGINEER/ADMINISTRATOR

Copyright 2021, Commonwealth of Virginia

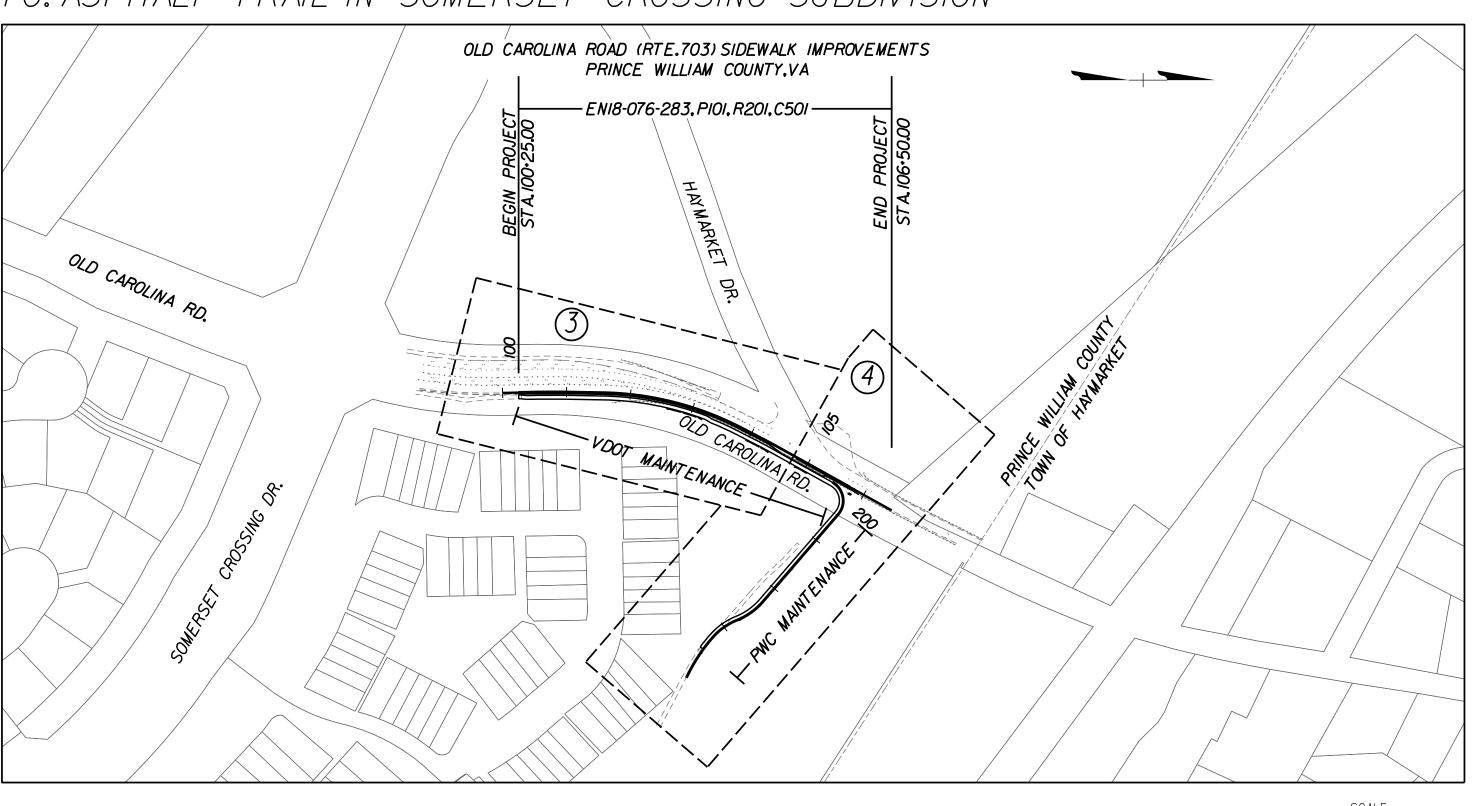
SPR2020-00402 S03 EN18-076-283

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING COMMONWEALTH OF VIRGINIA DESIGN PACKAGE (GEOPAK). GEOPAK Computer Identification No. 113607 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

OLD CAROLINA ROAD (RTE.703) SIDEWALK IMPROVEMENT

FROM: ASPHALT TRAIL N.OF SOMERSET CROSSING DR TO: ASPHALT TRAIL IN SOMERSET CROSSING SUBDIVISION



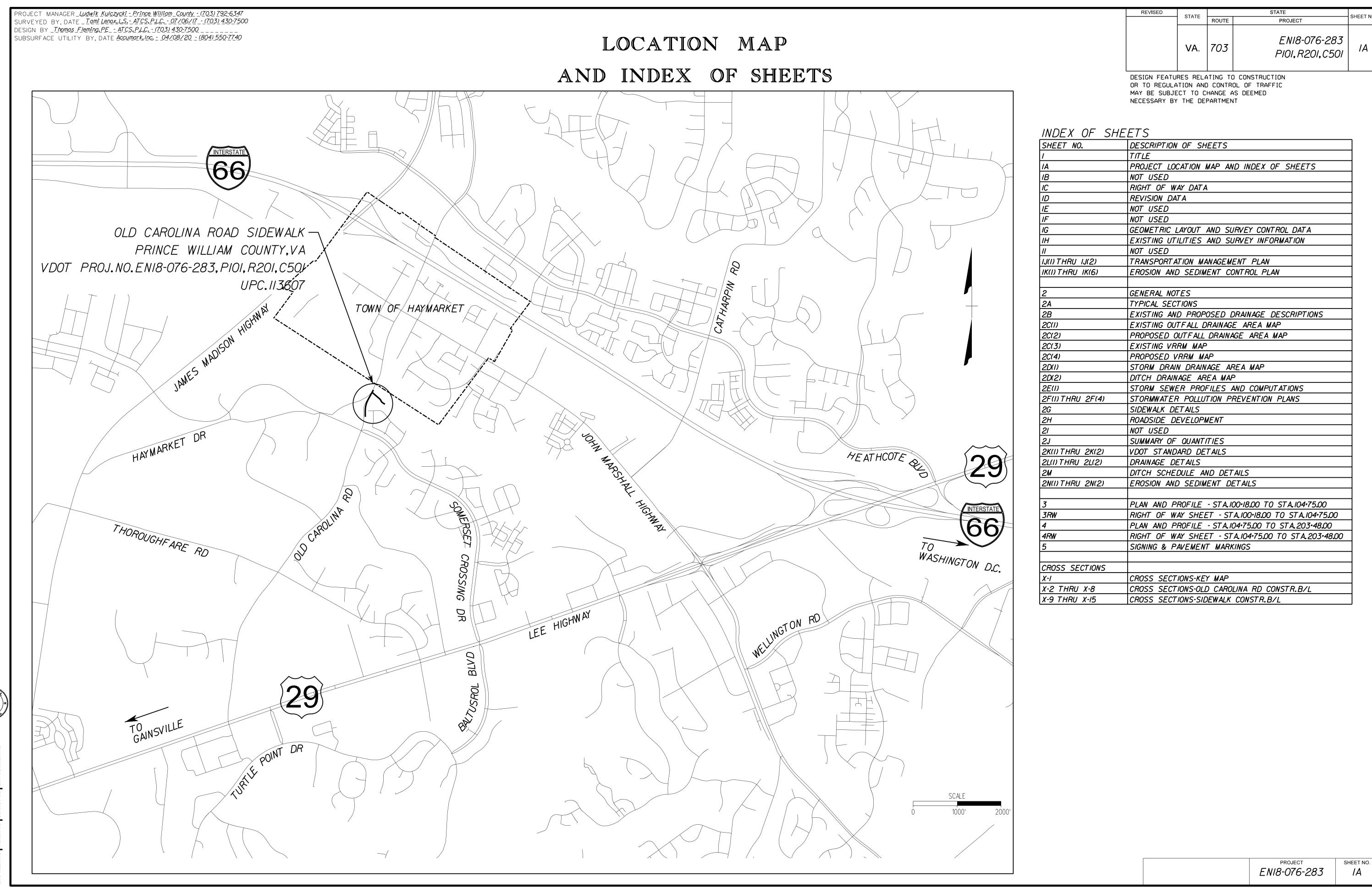
PRINCE WILLIAM COUNTY POPULATION 470,335 (2019 CENSUS)

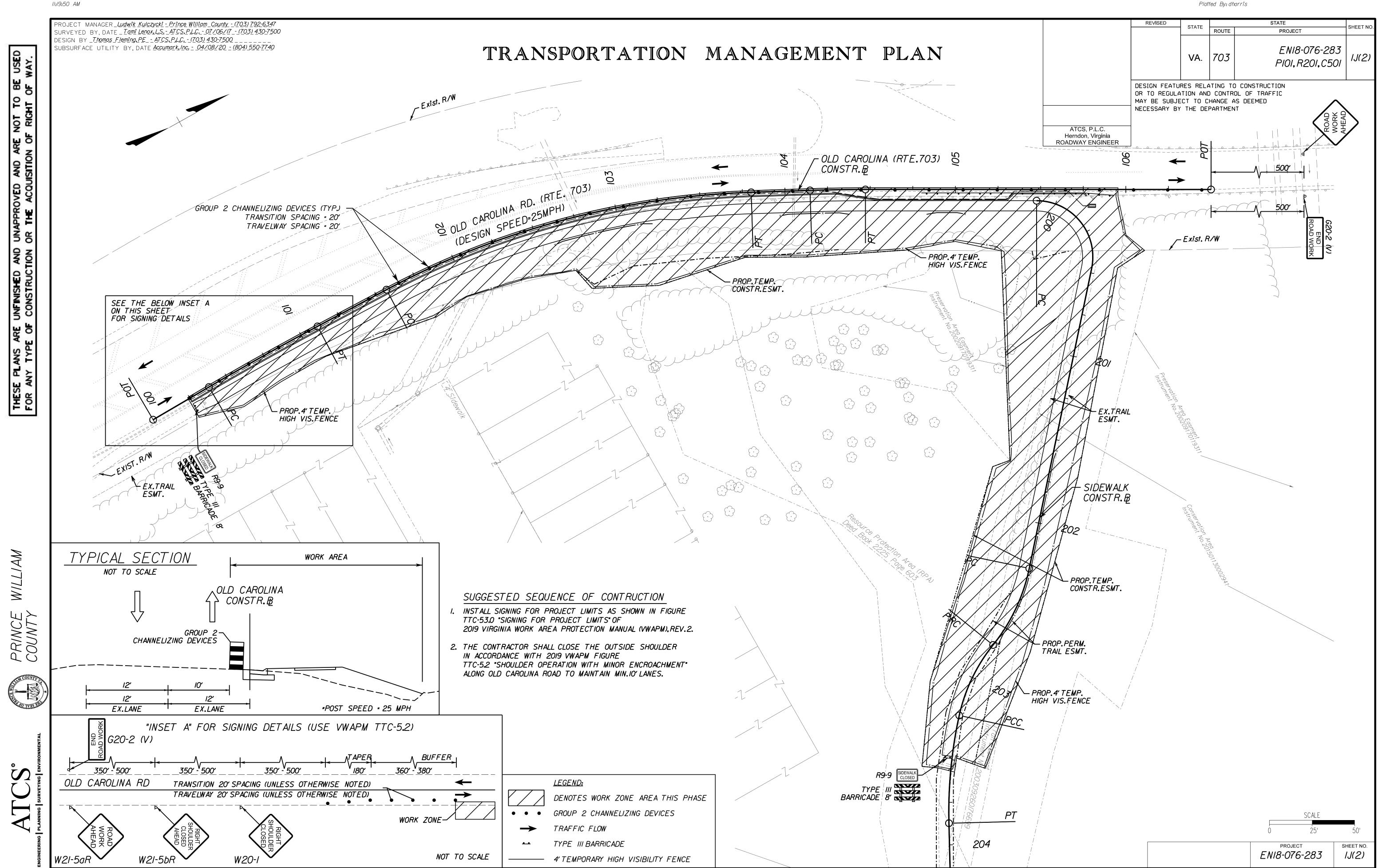
STATE PROJECT	SECTION	FEDERAL AID PROJECT NO.			TYPE CODE	UPC NO.	EQUALITIES	LENGTH I BRIDG		LENGTH E BRIDG	XCLUDING SE(S)	BRIDGE PROJECT	TYPE PROJECT	DESCRIPTION
NO.			CODL	140.	FEET	FEET	MILES	FEET	MILES	NO.	T NOOLO I			
8	P101	TAP-5B01(092)	PENG	113607	N / A	625.00	0.118	625.00	0.118	N / A	PRELIMINARY	Fr. ASPHALT TRAIL N. OF SOMERSET CROSSING DR		
28.											ENGR.	To.ASPHALT TRAIL IN SOMERSET CROSSING SUBDIVISION		
7-9	R201	N / A	ROWA	113607	N / A	625.00	0.118	625.00	0.118	N / A	RIGHT-OF-WAY	Fr. ASPHALT TRAIL N. OF SOMERSET CROSSING DR		
76											RIGHT OF WAT	To.ASPHALT TRAIL IN SOMERSET CROSSING SUBDIVISION		
8-(C501	N / A	Y051	113607	N / A	625.00	0.118	625.00	0.118	N / A	CONSTRUCTION	Fr. ASPHALT TRAIL N. OF SOMERSET CROSSING DR		
××											CONSTRUCTION	To.ASPHALT TRAIL IN SOMERSET CROSSING SUBDIVISION		
F														

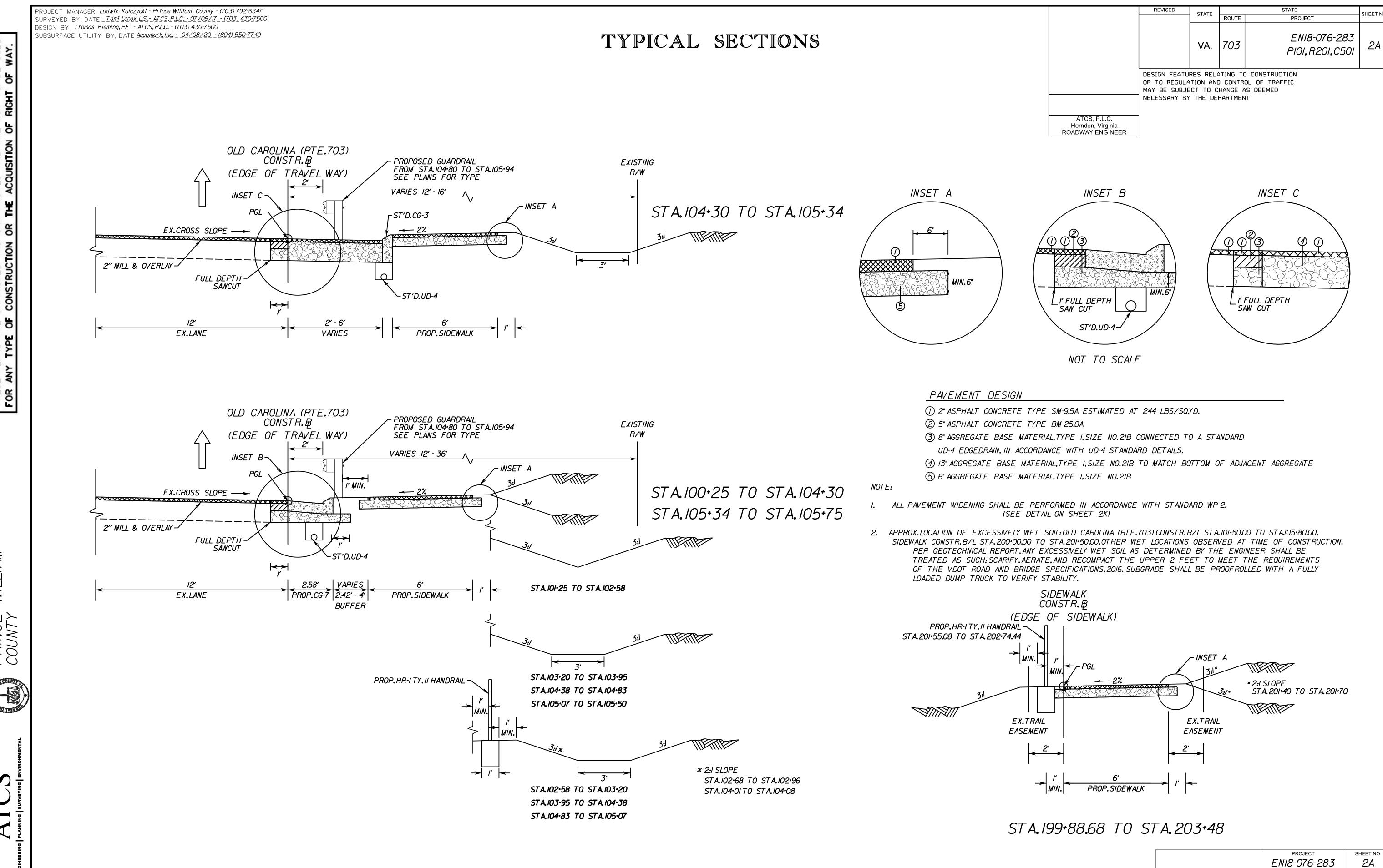
Project Lengths are based on Old Carolina Construction Baseline

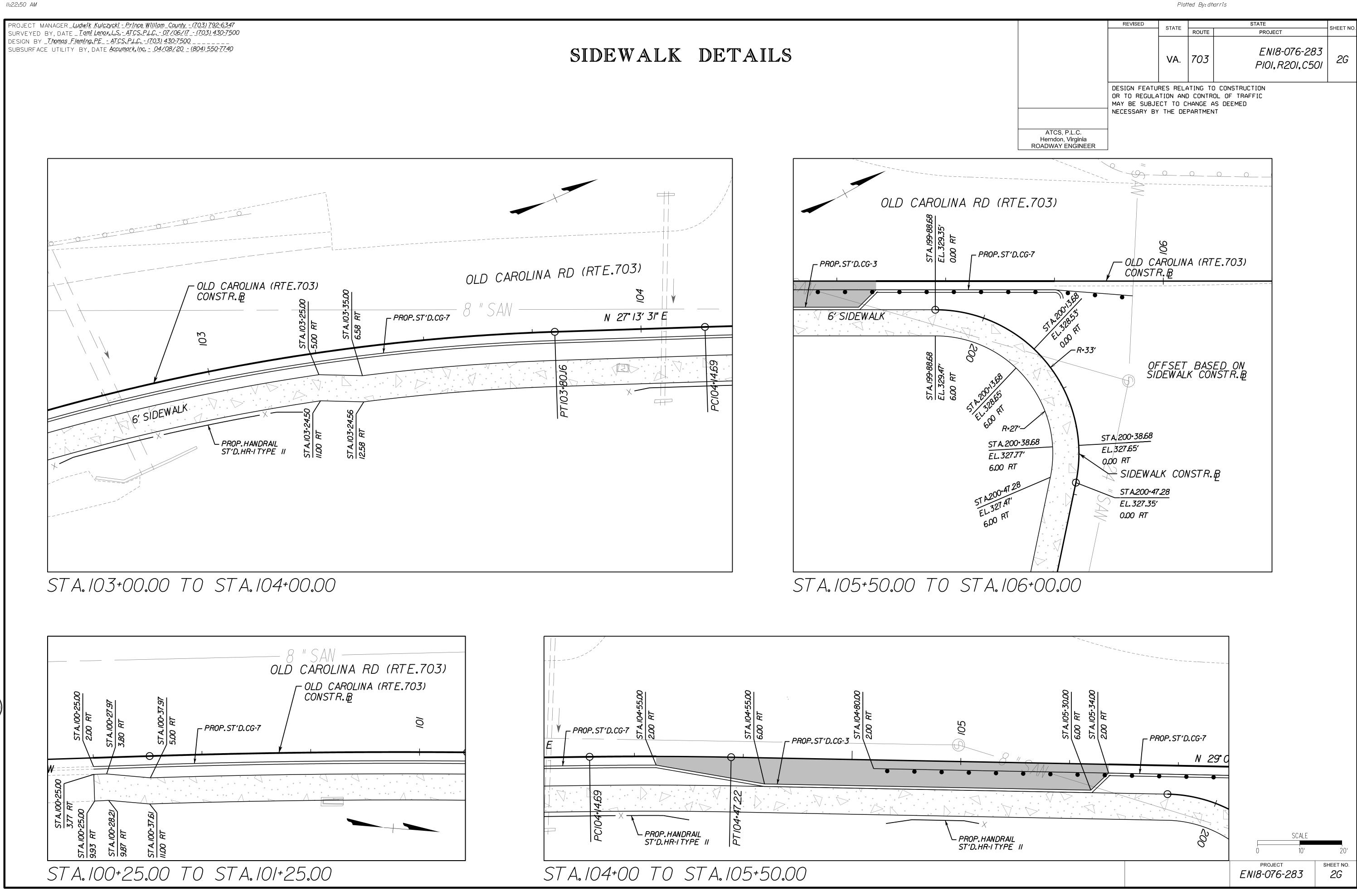
OJECT MANAGER*I* RVEYED BY, DATE SIGN BY *Ithomos. E* SSURFACE UTILITY PRO, SUR, DESI SUB!

Cell Revised 6/10/16









ROADSIDE DEVELOPMENT

REVISED	STATE		SHEET NO.		
	STATE		PROJECT	T SHEET NO.	
	VA.	703	ENI8-076-283 PIOI,R20I,C50I	2H	

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

CORE MIX

MIX	LBS./ ACRES	DESCRIPTION						
1	100	* 100% CERTIFIED FINE FESCUE						
2	A	100% CERTIFIED TALL FESCUE						
7	^ 75	50% CERTIFIED TALL FESCUE						
3	25	* 50% CERTIFIED FINE FESCUE						
4	6 0	50% ORCHARDGRASS						
T	40	50% CERTIFIED KENTUCKY BLUEGRASS						
5		100% BERMUDAGRASS						
TEMPORARY								
3/1 - 5/16 and	50	50% CERTIFIED TALL FESCUE						
8/16 - 3/1	50	50% BARLEY, WINTER RYE OR WINTER WHEAT						
5/16 - 8/16	50	50% FOXTAIL MILLET						
	50	50% CERTIFIED TALL FESCUE						

* FINE FESCUES INCLUDE CHEWINGS, CREEPING RED,

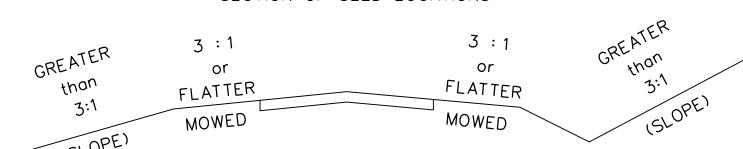
HARD, SHEEP

ADDITIVES

TYPE	LBS./ ACRES	DESCRIPTION
А	A	100% LOVEGRASS
В	2 5	100% BARLEY, WINTER RYE OR WINTER WHEAT
С	10	100% FOXTAIL MILLET
D	A	100% ANNUAL RYEGRASS
Е	A	100% CROWNVETCH (LEGUME)
F	A	100% SERICEA LESPEDEZA (LEGUME)
G	A	100% BIRDSFOOT TREFOIL (LEGUME)
Н	1 25	NONSTANDARD (NATIVE) SEE MIX
I	A	
J	A	
K	A	

ALL RATES TO BE SPECIFIED BY THE DISTRICT ROADSIDE MANAGER

SECTION OF SEED LOCATIONS



ROADSIDE DEVELOPMENT SUMMARY														
	⊗ TOPSOIL	REGULAR	OVER			FERTILIZER		LEGUME LEGUME		TEMPORARY	HECP	HECP	HECP	HECP
PROJECT NUMBERS	2" CLASS A B	SEED	SEEDING	LIME	N NITROGEN	PHOSPHORUS	K	SEED	OVER SEEDING	SEEDING	(TYPE 1)		(TYPE 3)	
	ACRES	LBS.	LBS.	TONS	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	S. Y.	S. Y.	S. Y.	S. Y.
EN18-076-283	0.40	80	60	1.8	37	51	26	0	0	40	0	2,361	1,889	0

DENOTES ITEM(S) TO BE PAID FOR ON THE BASIS OF PLAN QUANTITIES IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CURRENT ROAD AND BRIDGE SPECIFICATIONS.

SEEDING SCHEDULE

				3011600			
	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	
	SPRI	NG	SUM	MER	FALL &	WINTER	
	MONTH 8	· DATE	MONTH	& DATE	MONTH	& DATE	
	Coastal 3/1 - 5/1 Piedmont 3/16 - 5/1 Mountain 3/16 - 5/1		Coastal 5 Piedmont 6 Mountain 6		Coastal 9/16 - 11/15 Piedmont 9/16 - 10/31 Mountain 9/16 - 10/31		
PROJECT NUMBERS							
EN18-076-283	1CH	3C	4CH	4C	3BH	3B	
* SPECIFY KIND OF FINE FESCUE	SHEEP	SHEEP	SHEEP	SHEEP	SHEEP	SHEEP	

NOTES:

APPROXIMATELY <u>0.40</u> ACRES WILL BE DISTURBED ON THIS PROJECT AND WILL REQUIRE THE ESTABLISHMENT OF GRASSES AND/OR LEGUMES.

NOTES FOR FIELD USE ONLY

OVERSEEDING RATES SHALL BE 100 PERCENT OF THE SEED MIXTURE SUPPLIED WITHOUT FERTILIZER.

THE ENGINEER WILL REQUIRE THE CONTRACTOR TO PERFORM SUPPLEMENTAL SEEDING WHEN LESS THAN 75 PERCENT UNIFORM STAND OF THE PERMANENT GRASS SPECIFIED IN THE MIXTURES IS OBTAINED. (ANNUAL SPECIES SUCH AS, RYE AND MILLET ARE TEMPORARY VARIETIES AND REQUIRE SUPPLEMENTAL SEEDING.)

NOTES APPLY TO SCHEDULE

LEGUME SEED MIXES (BIRDSFOOT TREFOIL, CROWNVETCH, AND SERICEA LESPEDEZA)
AND WEEPING LOVEGRASS SHALL NOT BE USED ON SHOULDERS AND OTHER LOCATIONS
WITH SLOPES 3:1 OR FLATTER.

LEGUME SEED SHALL BE INOCULATED WITH THE APPROPRIATE STRAIN AND RATE OF BACTERIA. FOR HYDROSEEDING, USE FIVE TIMES THE DRY SEEDING RATE OF INOCULATE.

SPRING & SUMMER AND FALL & WINTER DEFINED FOR THE PURPOSE OF DETERMINING WHETHER HULLED OR UNHULLED BERMUDAGRASS AND SERICEA LESPEDEZA SEED IS REQUIRED:

SPRING & SUMMER 4/1 - 9/15 - USE HULLED SEED FALL & WINTER 9/15 - 4/1 - USE UNHULLED SEED

FOR MULCHES and HYDRAULIC EROSION CONTROL PRODUCT (HECP)
SEE VDOT'S ROAD AND BRIDGE SPECIFICATIONS, SECTIONS 244 AND 603.

ALL TOPSOIL IS TO BE FREE OF HARD LUMPS, CLODS, ROCKS AND FOREIGN DEBRIS AND IS TO BE HAND RAKED TO TIE INTO EXISTING LAWNS.

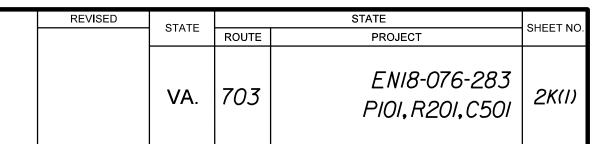
ALL SEED MUST BE IN CONFORMANCE WITH VDOT SEED SPECIFICATIONS FOR GRASSES & LEGUMES AND BE PROVIDED AT THE PROJECT SITE IN BAGS NOT OPENED AND LABELED FOR USE ON VDOT PROJECTS WITH A GREEN TAG CERTIFYING INSPECTION BY THE VIRGINIA CROP IMPROVEMENT ASSOCIATION.

MIX REQUIREMENTS THIS PROJECT

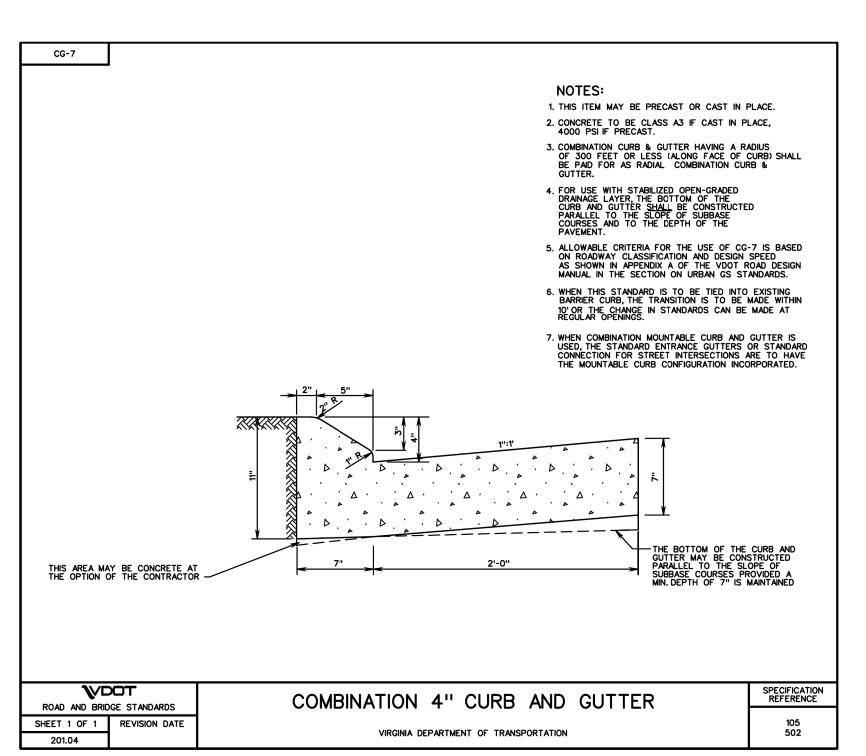
RECOMMENDATIONS FOR THE APPLICATION OF SEED MIXTURES (CORE MIX AND ADDITIVES), FERTILIZER, LIME, ETC. ARE TO BE OBTAINED FROM THE DISTRICT ROADSIDE MANAGER.

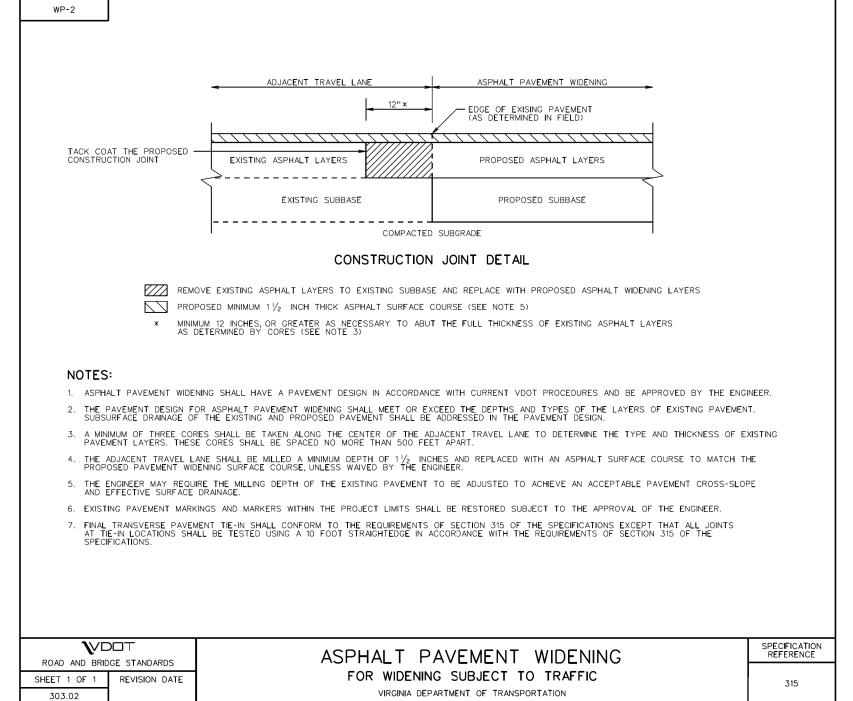
EN18-076-283
EN18-016-283

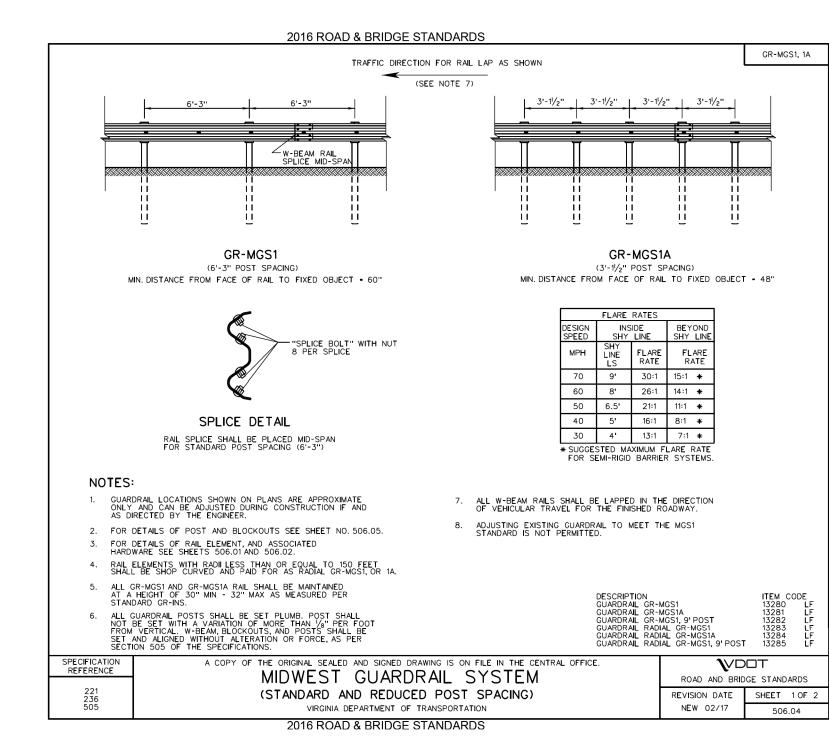
VDOT STANDARD DETAILS

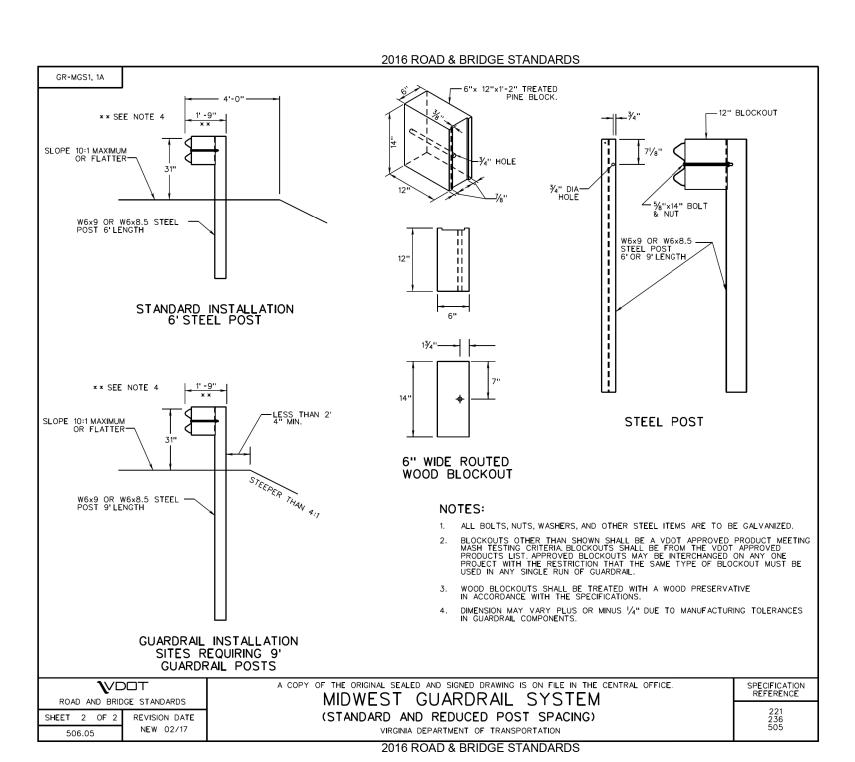


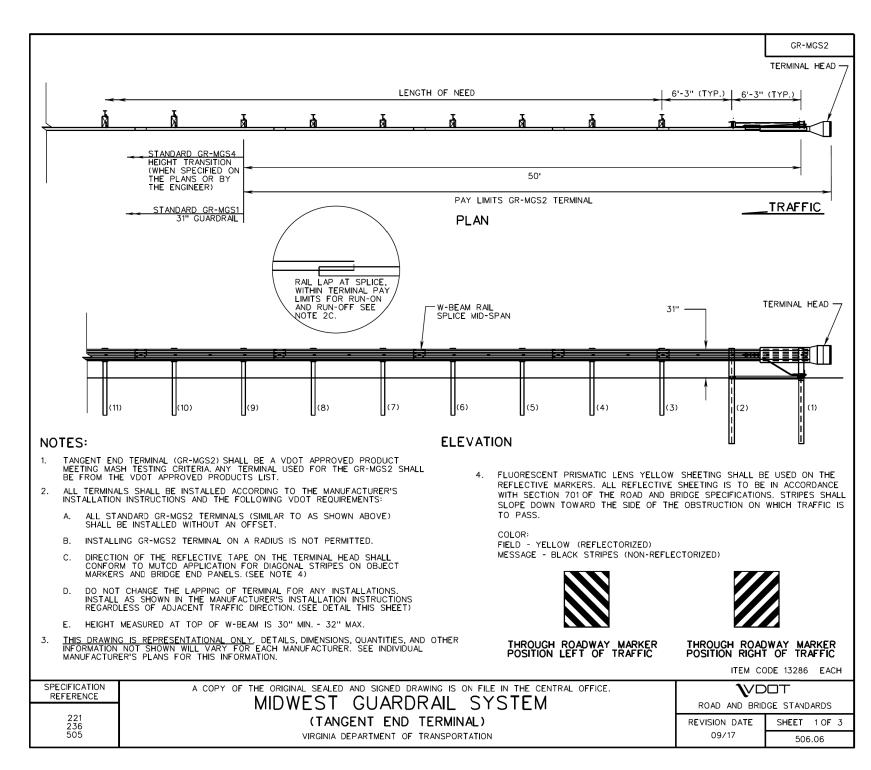
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

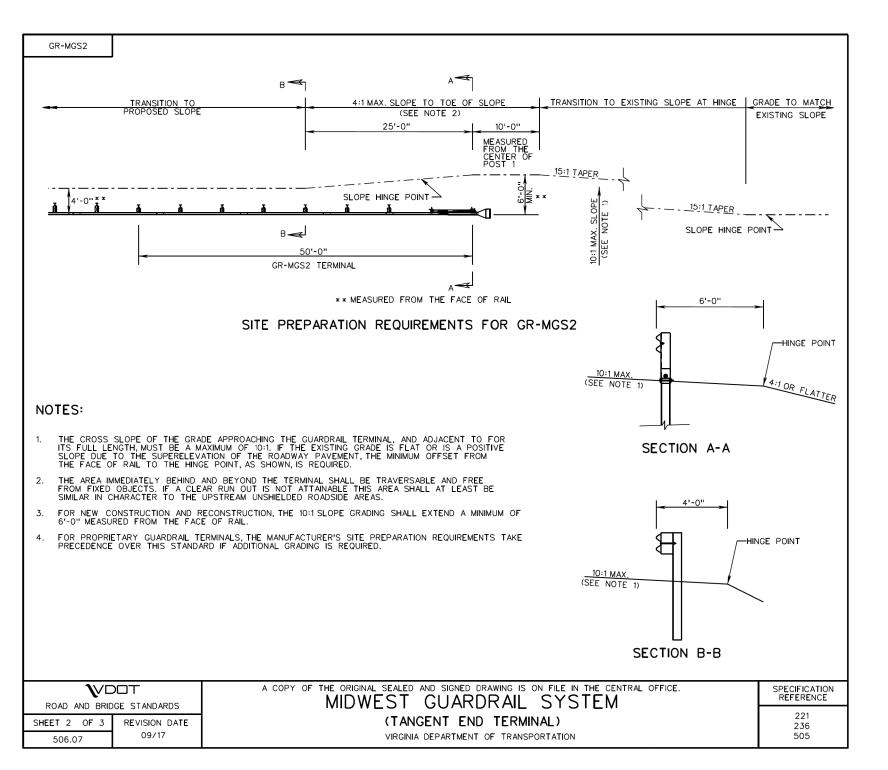




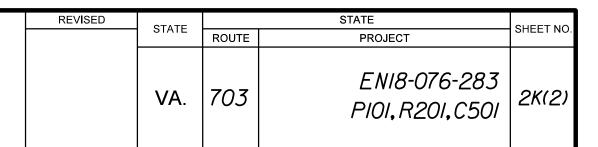




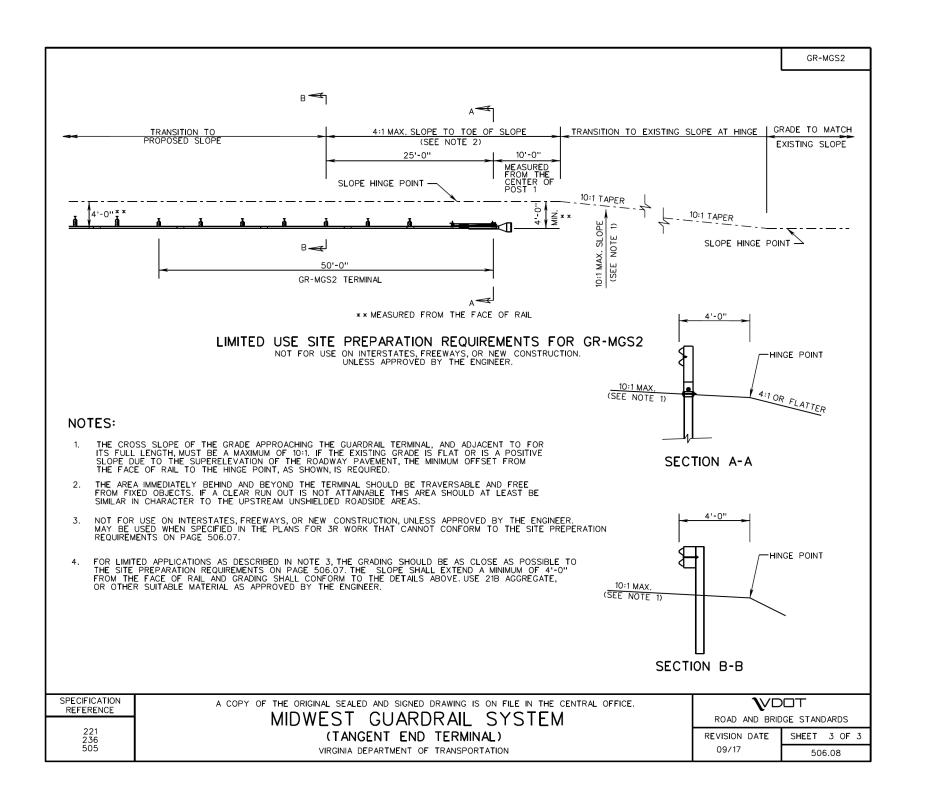


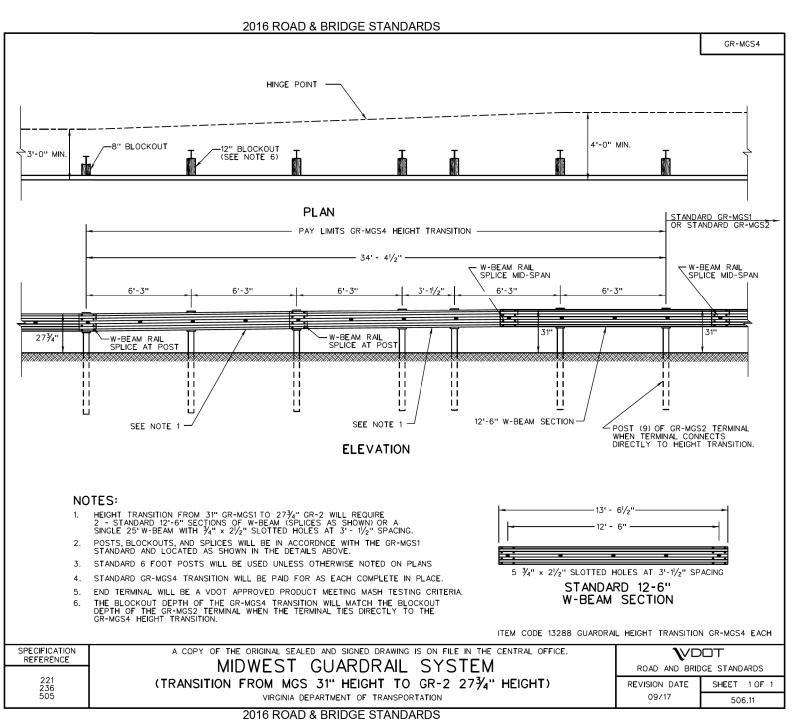


VDOT STANDARD DETAILS



DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT





PROJECT EN18-076-283

SHEET NO. 2K(2)

PROPOSED RCP-

CLASS A3 CONCRETE

USE PIPE COLLAR FOR EXTENDING EXISTING CONCRETE PIPE CULVERTS AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

2. CONSTRUCT THE PRECAST PIPE COLLAR WITH 4000 PSIMINIMUM CONCRETE

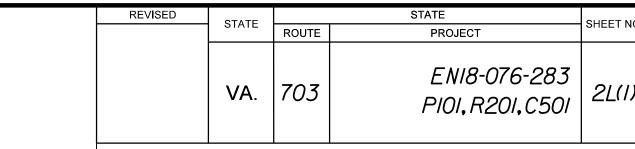
3. PRECAST PIPE COLLAR REINFORCEMENT DETAIL TO BE PROVIDED IN SHOP-DRAWING.

I' MIN

CONCRETE COLLAR DETAIL

RAM NECK AND FILTER
PAPER (TYP.)
ALL AROUND PIPE
JOINT

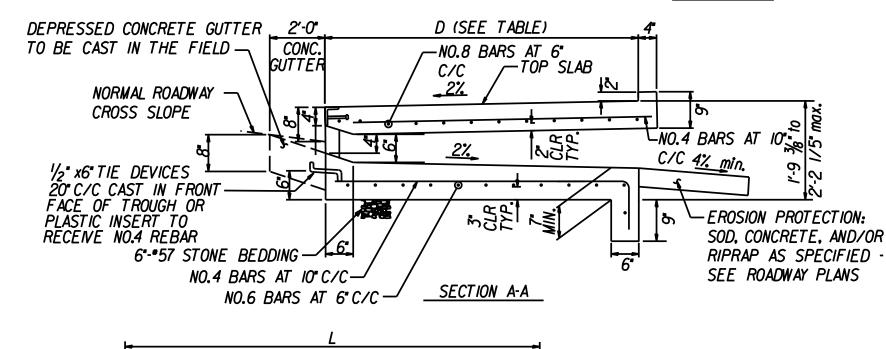
DRAINAGE DETAILS

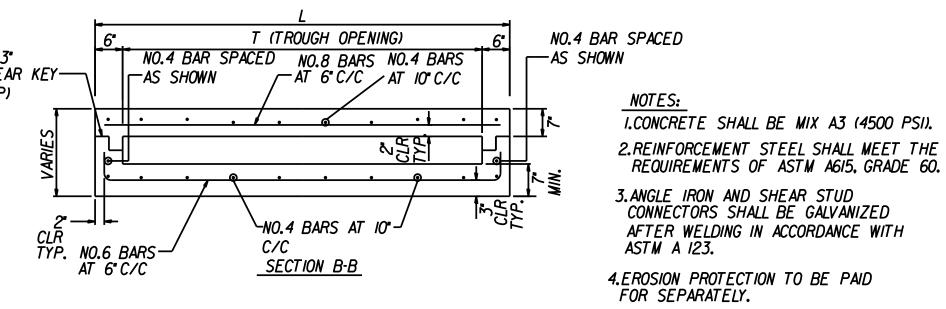


DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

ATCS, P.L.C. Herndon, Virginia HYDRAULIC ENGINEER

A⊸¬ SLAB II'-O" IO'-O" 3-1 | 11'-0" 3-2 | 12'-7" 4-1 | 8'-7" — SHEAR KEYS— (SEE SEC.B-B) ANGLE IRON 4" x 3" x 1/2" x CONC. TROUGH SLAB DIMENSION L





NON-STANDARD PRE-CAST OPEN BACK INLET - 13-1, 13-2, & 14-1

N.T.S.

0 1	$\frac{1}{1} - \frac{C}{1} - \frac{PLAN}{1} - \frac{PLAN}{1$	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2 NO.7 BARS AT 3" C/C
	C T (TROUGH OPENING) A - PRECAST CONCRETE TOP SLA		4" x 1/2" SHEAR STUD CONNECTORS AT 3'-6" C/C MAX GALV. AFTER WELDING
			SECTION C-C
TO BE CAST IN NORMAL CROSS 1/2" x6" TIE DE 20" C/C CAST FACE OF TRO PLASTIC INSER RECEIVE NO.4	THE FIELD — CONC. GUTTER ROADWAY — CONC. GUTTER OUGH OR RT TO REBAR 1-57 STONE BEDDING — 6" NO.4 BARS AT 10" C/C	SECTION A-A	-NO.4 BARS AT 10 6. C/C 4½ min. 6. C
3"x3" SHEAR KEY (TYP) CLR TYP NO 6	NO.4 BAR SPACED NO.8 BARS NO.4 AS SHOWN AT 6" C/C AT NO.4 BARS AT 10"	10° C/C	

EN18-076-283

SHEET NO. 2L(1)

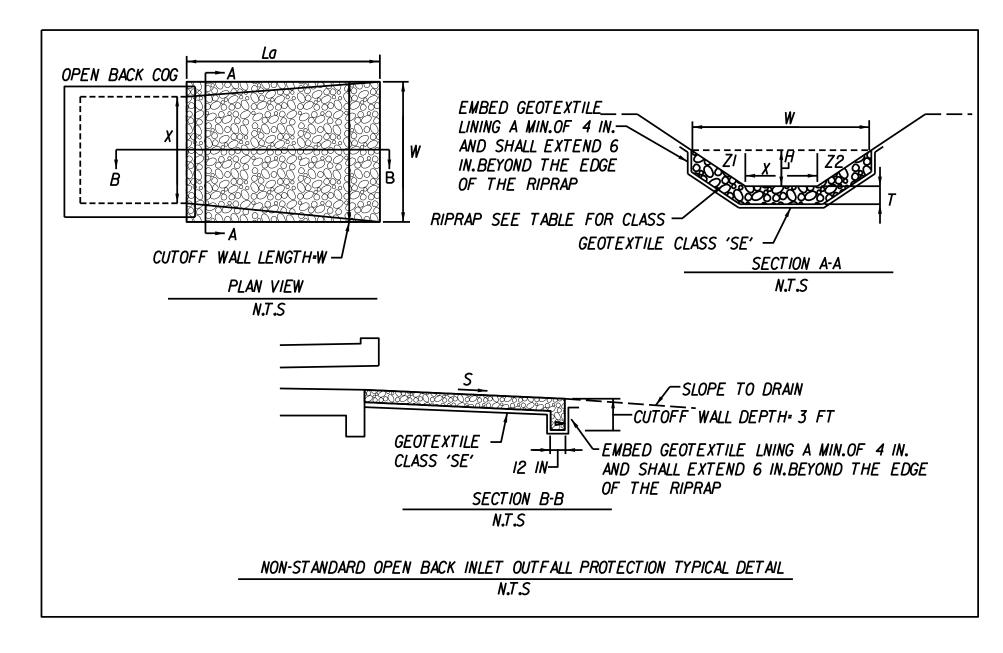
DRAINAGE DETAILS

REVISED	STATE	STATE			
	STATE	ROUTE	PROJECT	SHEET	
	VA.	703	EN18-076-283 P101,R201,C501	2L(2	
DECICN FEATUR	DEC DELA	TING TO	CONSTRUCTION		

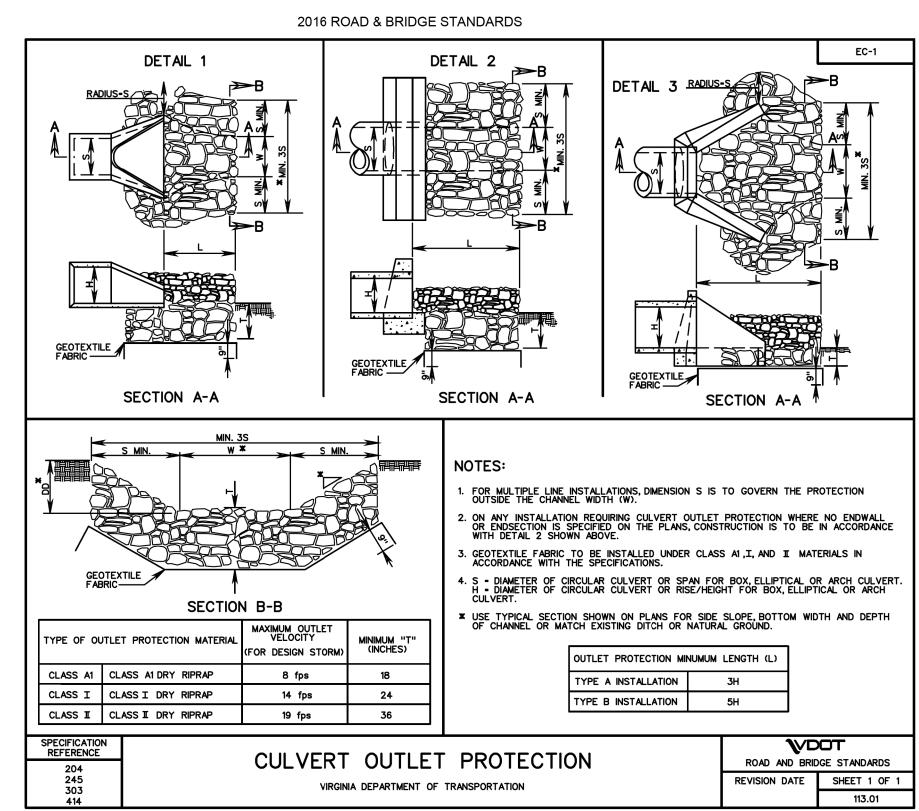
DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

ATCS, P.L.C. Herndon, Virginia HYDRAULIC ENGINEER

HYDRAULIC E



NON-STANDARD OPEN BACK INLET OUTFALL PROTECTION SCHEDULE											
STRUCTURE ID	La (FT)	W (FT)	T (IN)	X (FT)	H (FT)	CLASS	S	QTY (TON)	CUTOFF WALL (LF)	ZI (FT:FT)	Z2 (FT:FT)
3-1	17	12.0	24	10.0	0.50	CLASS I	33%	34	II.O	2:1	2:1
3-2	13	12.0	24	10.0	0.50	CLASS 1	33%	26	II.O	2:1	2:1
4-1	12	12.0	24	10.0	0.50	CLASS 1	33%	24	II . O	2:1	2:1



2016 ROAD & BRIDGE STANDARDS

OUTLET PROTECTION SCHEDULE										
STRUCTURE ID	INSTALLATION TYPE	H (IN)	S (IN)	3S (FT)	L (FT)	CLASS	T (IN)	QTY (TON)		
3-3	Α	12	12	3	3	CLASS I	24	2		
3-4	В	<i>3</i> 6	<i>3</i> 6	9	<i>1</i> 5	CLASS I	24	23		
<i>3</i> -5	Α	24	24	6	6	CLASS I	24	6		
4-2 & 4-3*	В	24	72*	19	10	CLASS I	24	30		
T14//4/ 0.4% 7.0%	TWIN OALSON UEDOD									

*TWIN 24"x38" HERCP

DITCH SCHEDULE AND DETAILS

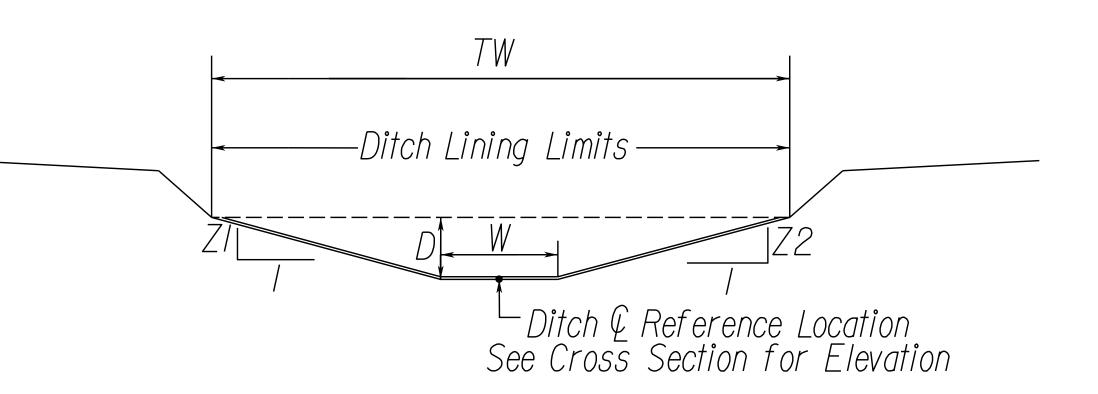
REVISED	STATE		STATE	SHEET N
	STATE	ROUTE	PROJECT	SHEELIN
	VA.	703	EN18-076-283 P101,R201,C501	2М
DESIGN FEATUR	RES RELA	אדואה דר) CONSTRUCTION	

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

ATCS, P.L.C. Herndon, Virginia HYDRAULIC ENGINEER

→	TW
Ditch Lining Limits ZI Ditch & Reference Location See Cross Section for Elevation	Ditch Lining Limits ZI Ditch & Reference Location See Cross Section for Elevation

TYPICAL V-DITCH SECTION



TYPICAL TRAPIZOIDAL DITCH SECTION

				L	DITCH S	CHEDL	ILE					
SHEET	DIT CH ID	BASELINE	STATION (FT)	OFFSET (FT)	ELEVATION (FT)	SIDE SLOPE (ZI:I) (FT/FT)	SIDE SLOPE (Z2:I) (FT/FT)	DEPTH (D) (FT)	BOTTOM WIDTH (W) FT	TOP WIDTH (TW) (FT)	TYP. SECTION	LINING
			100•50	16.2 RT	349.92	3	3	0.50	0	3.0	V-DITCH	EC-2 TYPE 4
7	07.4	0.0.0450.444	101.00	15 . 38 RT	346.28	3	3	0.50	0	3.0	V-DITCH	EC-2 TYPE 4
3	D3-I	OLD CAROLINA	101•50	15.3 RT	342.52	3	3	1.0	0	<i>6.0</i>	V-DITCH	
			102.00	17.9 RT	<i>338.4</i> 6	3	6	1,0	0	9.0	V-DITCH	EC-2 TYPE 4
			102•00	17.9 RT	<i>338.</i> 46	3	6	1.0	0	9	V-DITCH	EC-3 TYPE I
3	D3-2	D3-2 OLD CAROLINA	102•50	21,2 RT	334.70	3	3	<i>1.</i> 25	0	7. 5	V-DITCH	
			<i>102</i> •75	20.8 RT	330.41	3	3	1.25	0	7. 5	V-DITCH	PG-3 TYPE I RIPRAP CLASS I
			103•00	29,8 RT	330,13	3	3	2.0	3.0	15.0	TRAPIZOIDAL	EC-3 TYPE I
			103•50	29J RT	328.69	3	3	2.0	3.0	15.0	TRAPIZOIDAL	EC-3 TYPE I
			104.00	29.0 RT	<i>327,J8</i>	3	3	2.0	3.0	15.0	TRAPIZOIDAL	EC-3 TYPE I
3 - 4	D3-3	OLD CAROLINA	104•50	26.8 RT	326.90	3	3	2.0	3.0	15.0	TRAPIZOIDAL	EC-3 TYPE I
		105•00	26J RT	326.33	3	3	2.0	3.0	15.0	TRAPIZOIDAL		
			<i>105•25</i>	26.4 RT	325.88	3	3	2.0	3.0	15.0	TRAPIZOIDAL	EC-3 TYPE I
			105•50	30.4 RT	325.00	3	3	2.0	7.0	19.0	TRAPIZOIDAL	EC-3 TYPE I

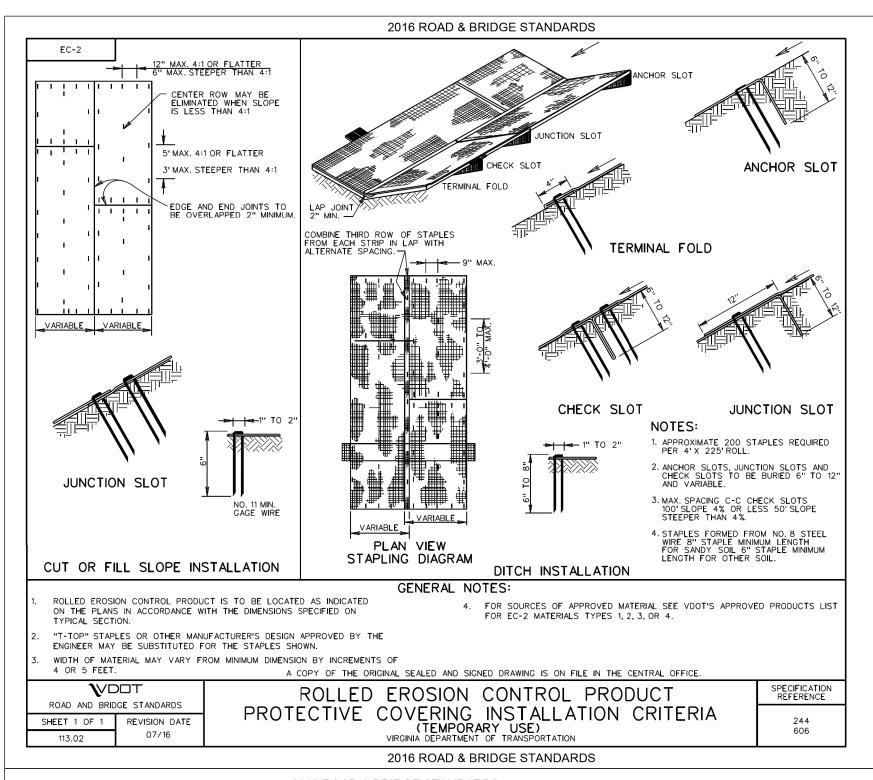
PG-3
MINIMUM THICKNESS "T" RIP RAP CLASS MINIMUM "T" CLASS AT 20" CLASS II 38" CLASS III 53"
TYPE I RIPRAP DITCH PROTECTION
NOTES: ** RIP RAP BEDDING MATERIAL GEOTEXTILE FABRIC TO BE PROVIDED UNDER ALL RIPRAP INSTALLATIONS CLASS AI, CLASS IAND CLASS II UNILESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE TROINGER. RIPRAP INSTALLATIONS OF CLASS IIISHALL HAVE AN INTERMEDIATE AGGREGATE BEDDING LAYERS) AS SPECIFIED ON THE PLANS BASED ON GEOTEXTILE FABRIC ** SEE TYPICAL SECTION SHOWN ON PLANS FOR SIDE SLOPE, BOTTOM WIDTH AND DEPTH OF CHANNEL AND RIPRAP THICKNESS. TYPE II RIPRAP SLOPE PROTECTION
I I
VDOT ROAD AND BRIDGE STANDARDS SHEET 1 OF 1 REVISION DATE STANDARD RIP RAP DITCH & SLOPE PROTECTION REFERENCE PG-3 SPECIFICATION REFERENCE 245

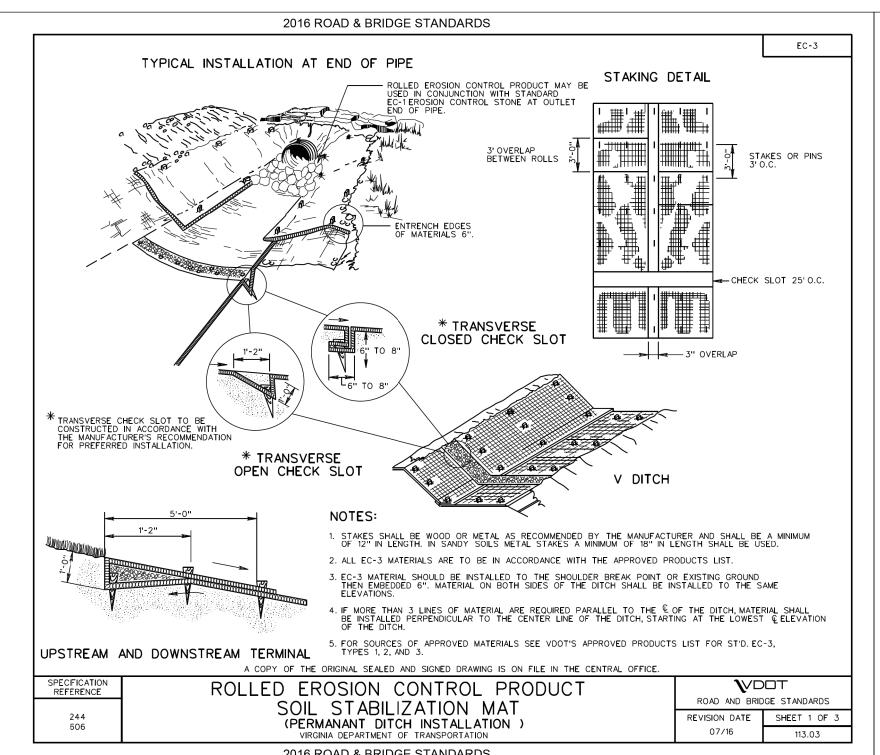
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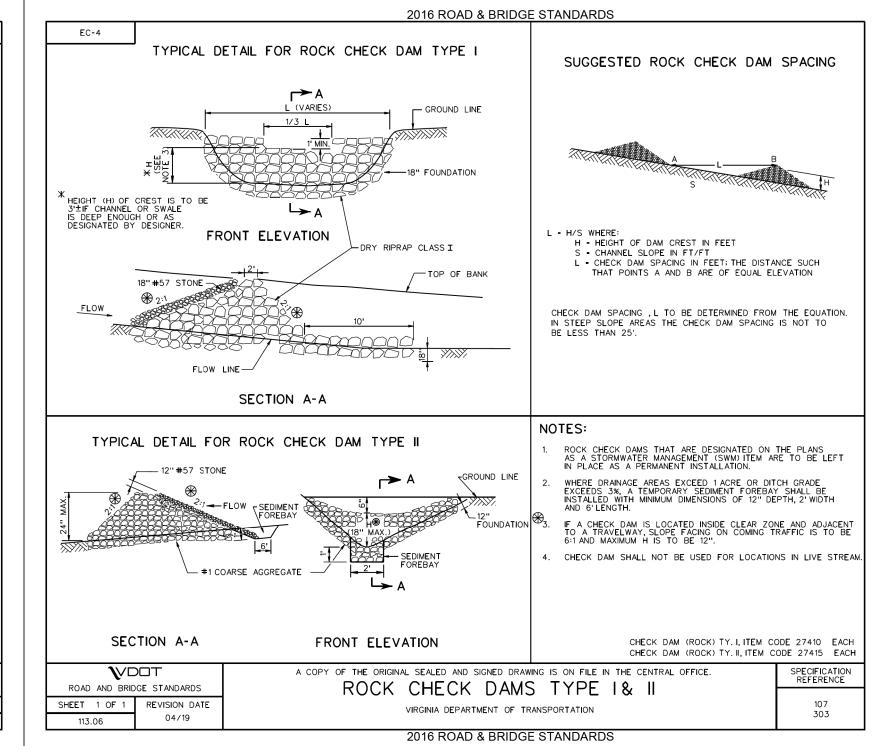
EROSION AND SEDIMENT CONTROL DETAILS

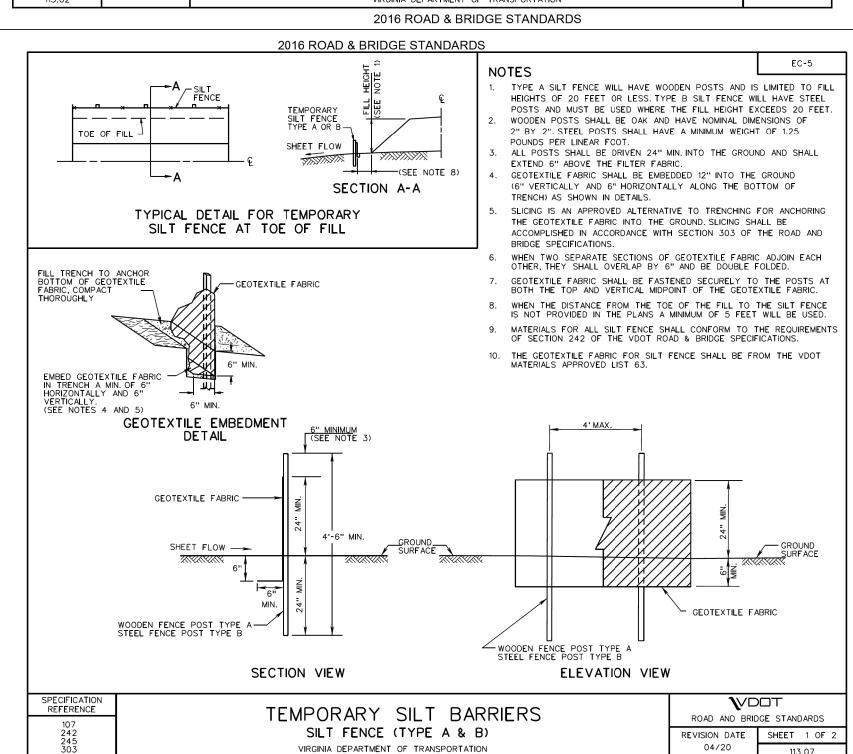
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	VA.	703	EN18-076-283 P101,R201,C501	2N(I

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

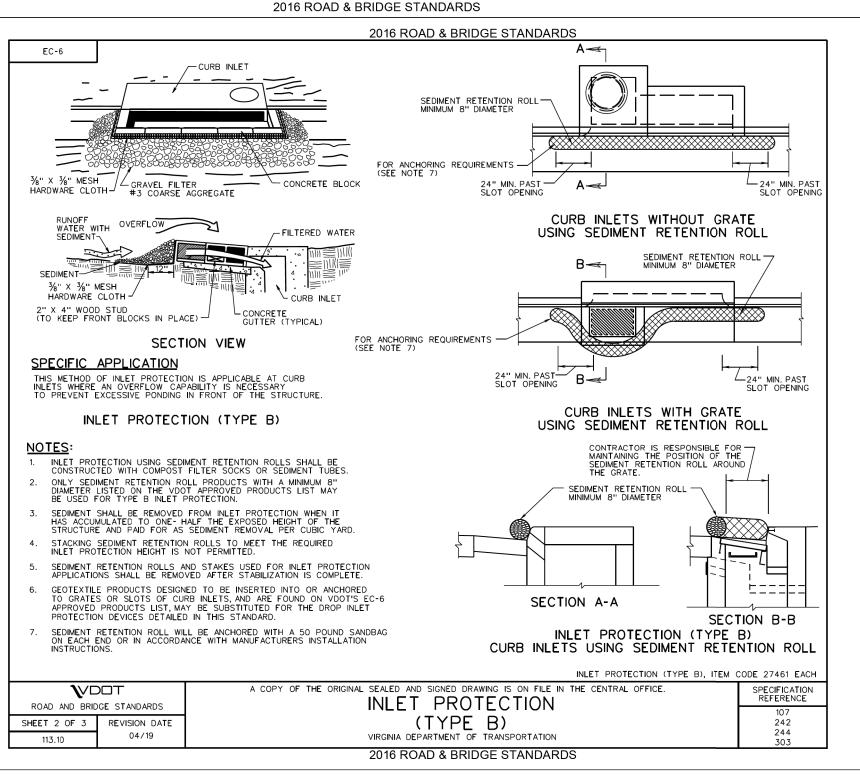


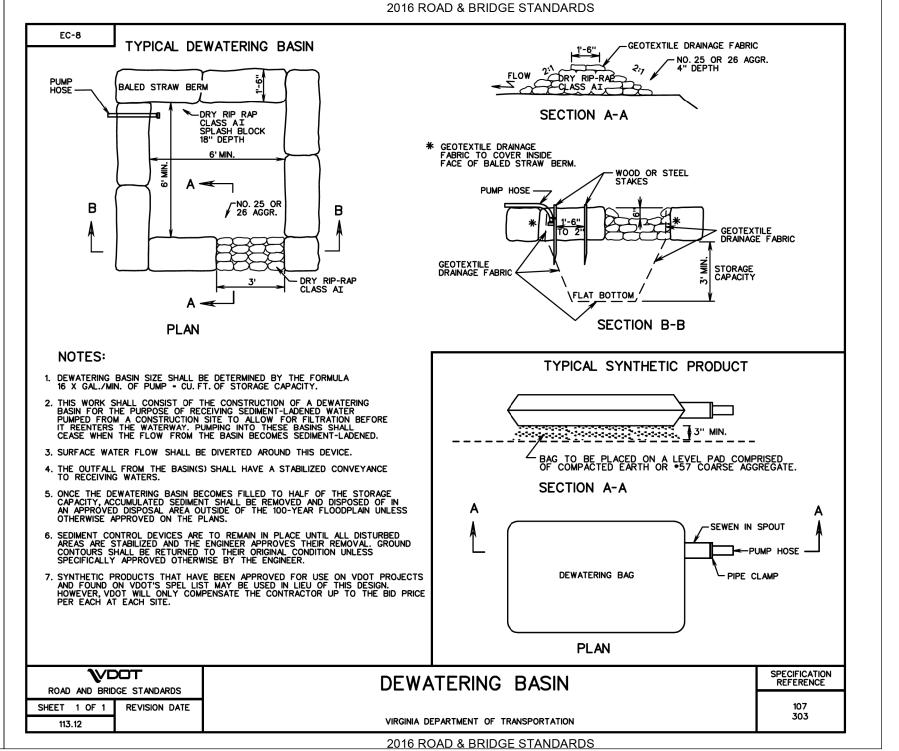






2016 ROAD & BRIDGE STANDARDS





EN18-076-283

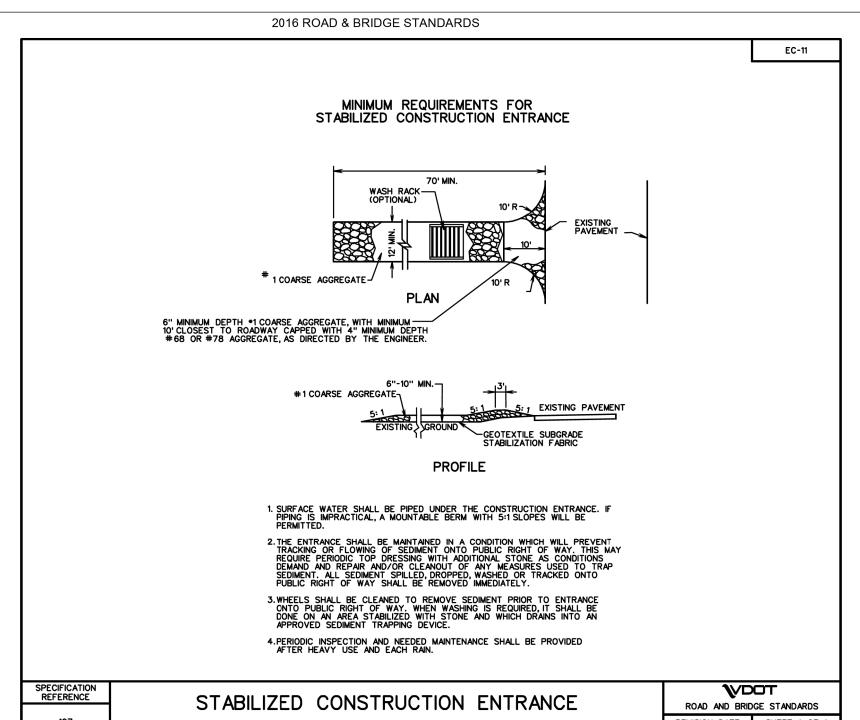
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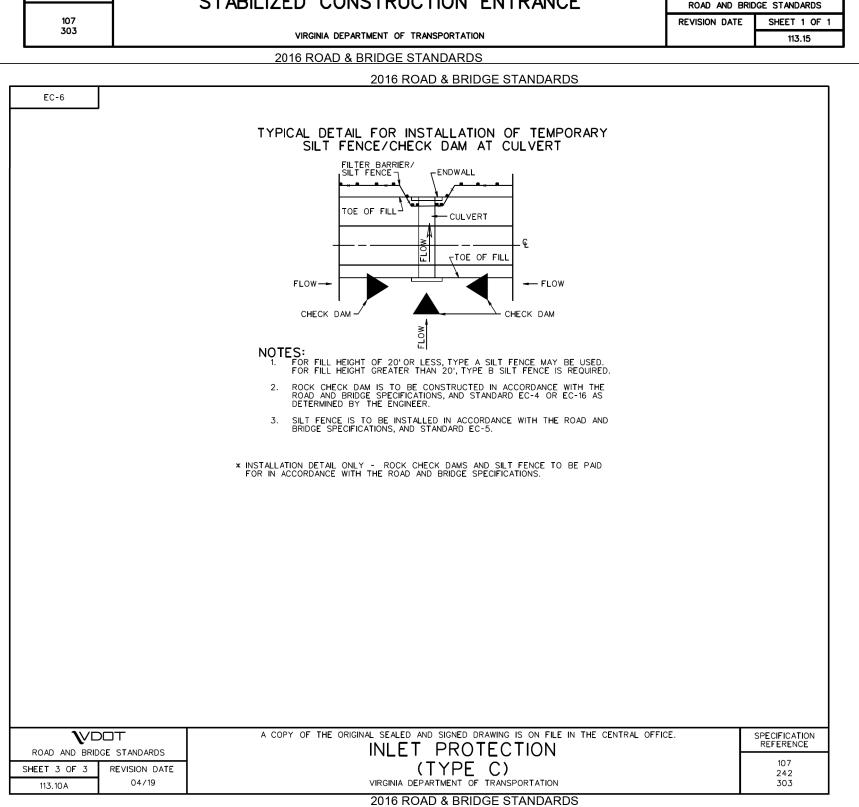
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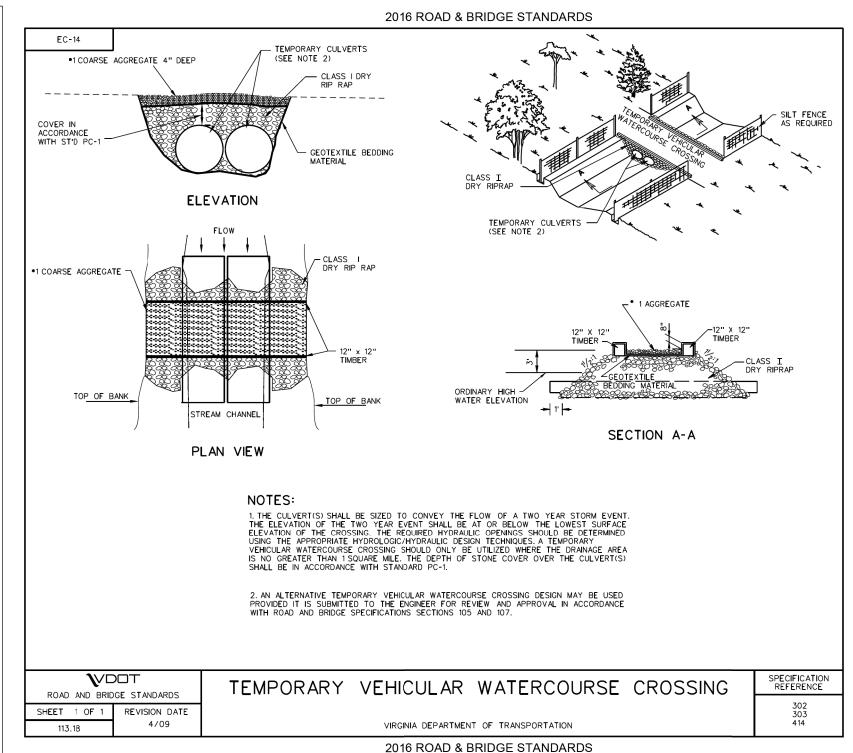
EROSION AND SEDIMENT CONTROL DETAILS

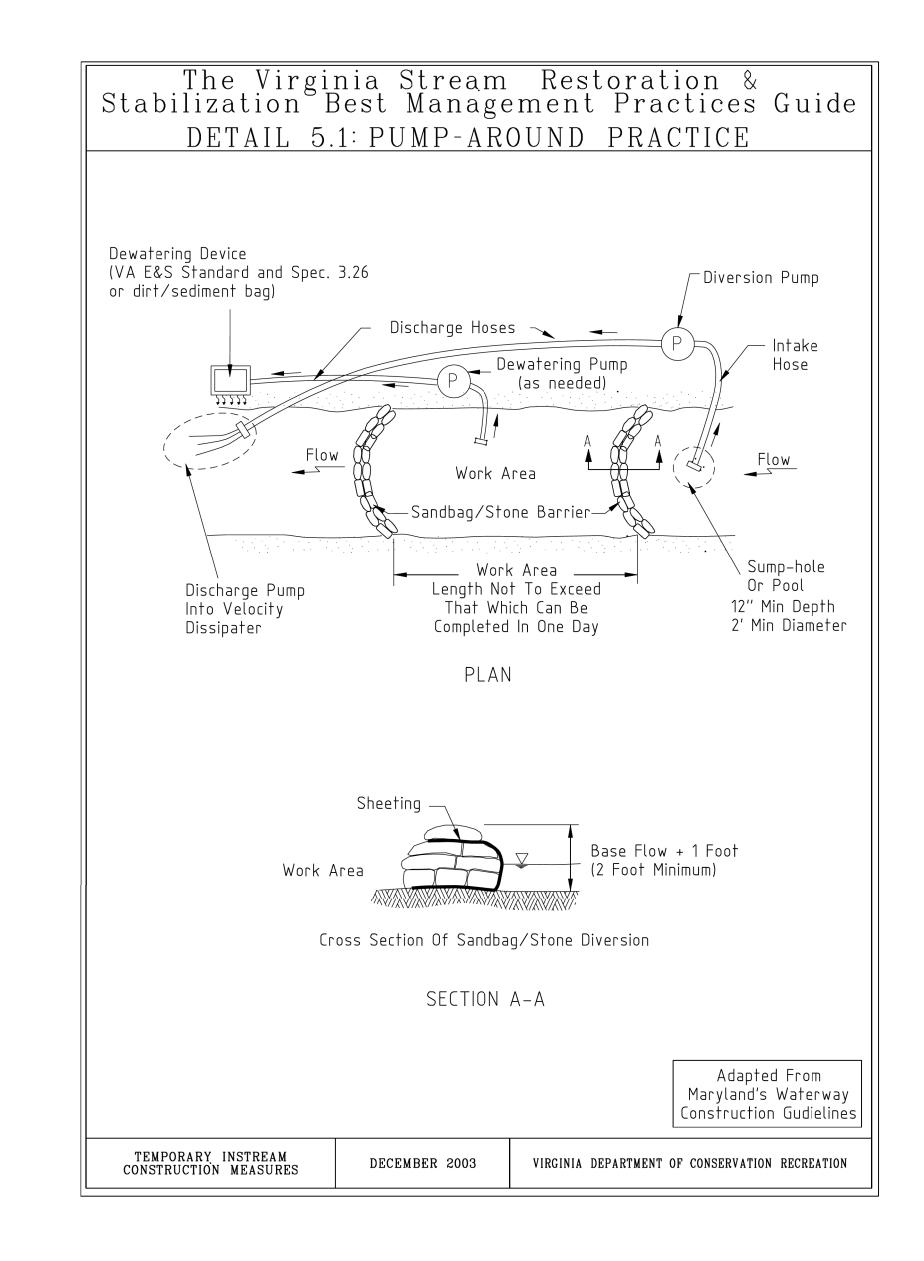
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ſ		SIAIL	ROUTE	PROJECT	SHEET NO.
		VA.	703	ENI8-076-283 PIOI,R20I,C50I	2N(2)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

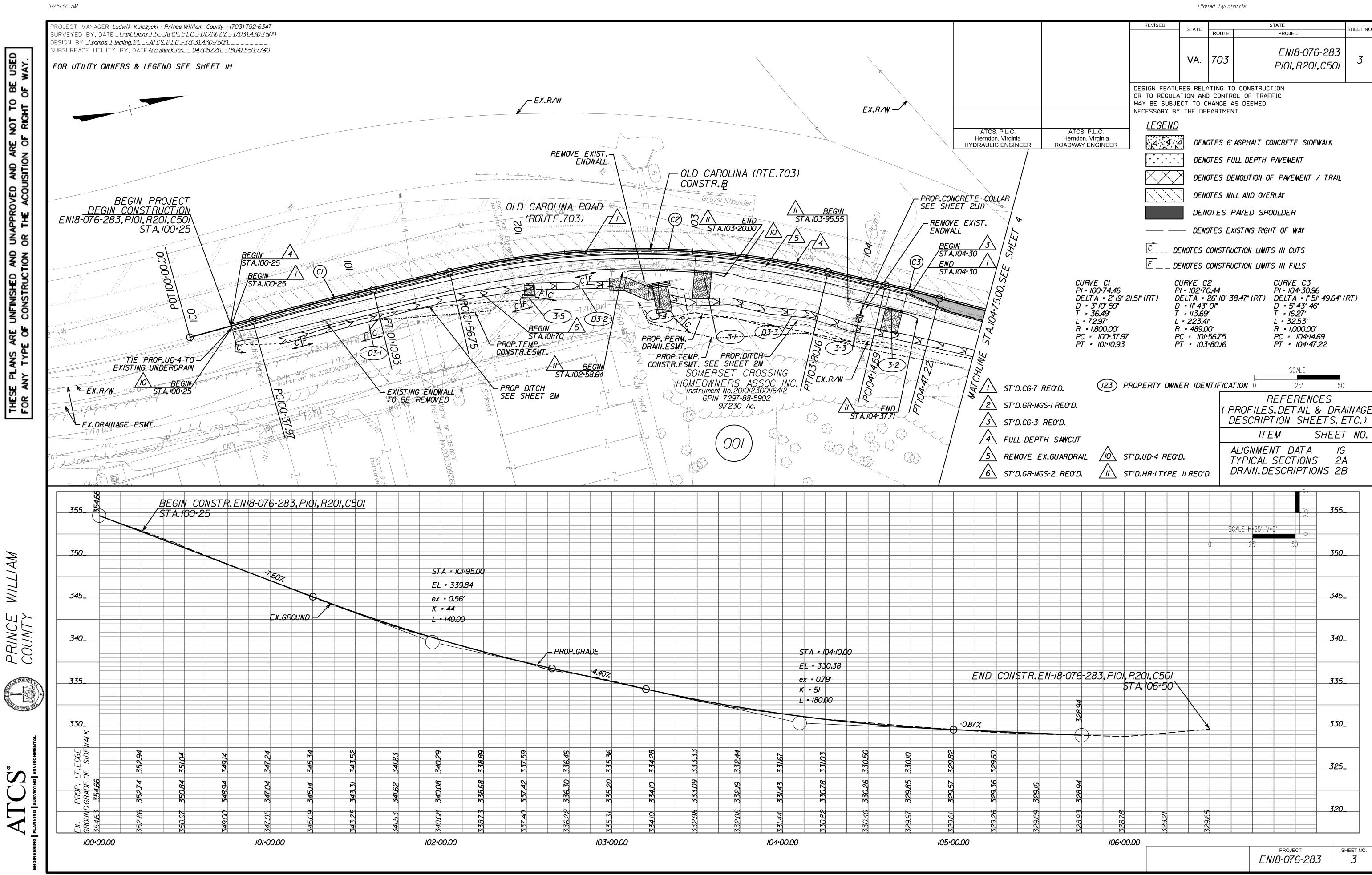


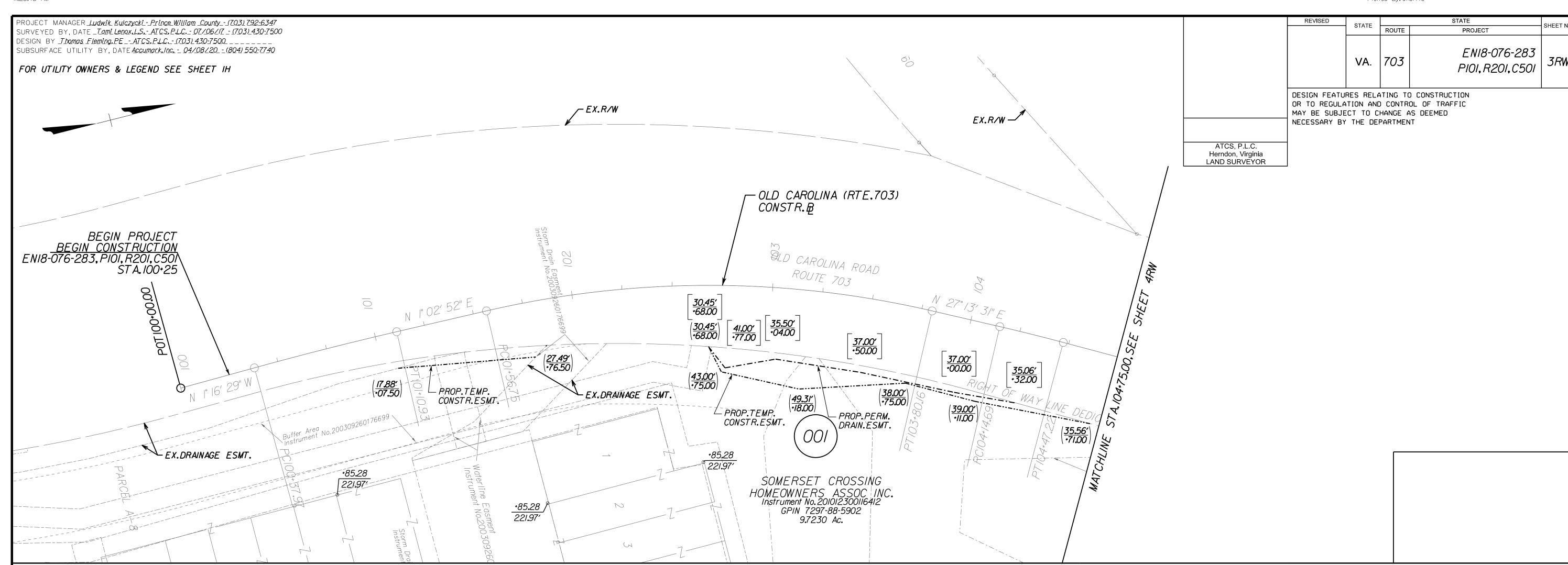






PROJECT EN18-076-283





PARCEL NUMBER	PERM. DRAIN.ESMT.	PERM. TRAIL ESMT.	TEMP. CONSTR.ESMT.		
NOWBLA	SQ.FT.	SQ.FT.	SQ.FT.		
001	627	1,812	13,100		

<u>NOTES</u>

- I. THIS RIGHT OF WAY SHEET REPRESENTS A FIELD RUN PERIMETER SURVEY OF THE PROPOSED R/W LIMITS. ALL OTHER ADJOINING/DEPARTING BOUNDARY LINES SHOWN ARE COMPILED FROM VARIOUS SOURCES: FOUND FIELD MONUMENTATION, METES AND BOUNDS DESCRIPTIONS, AND RECORDED PLATS. THE ADJOINING LINES DO NOT REPRESENT A FIELD RUN SURVEY OF THE ADJOINING PROPERTIES AND ARE A BEST FIT BASED ON COMPILED DATA. ALL AREAS SHOWN FOR R/W TAKES AND EASEMENTS ARE APPROXIMATE ONLY.
- 2. ALL OF THE PROPERTIES PHYSICAL IMPROVEMENTS ARE NOT SHOWN HEREON.
- 3. THIS PLAN SHEET WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT SHOW ALL EASEMENTS WHICH MAY AFFECT THE PROPERTY SHOWN HEREON.
- 4. THIS SURVEY DATUM IS BASED ON VDOT PROJECT *ENI8-076-283, PIOI, R201, UPC *113607
- ALL MONUMENTATION TO BE SET UPON COMPLETION OF CONSTRUCTION.
- NO CEMETERY SITES WERE OBSERVED ON THE SUBJECT PROPERTY. THIS DOES NOT PRECLUDE THEIR EXISTENCE.

OFFSETS SHOWN FROM OLD CAROLINA (RTE.703) CONSTR.B/L. <u>LEGEND</u>

| 00.00 \ DENOTES STATION / OFFSET OF PROPOSED \.00.00' TEMPORARY CONSTRUCTION EASEMENT DENOTES STATION / OFFSET OF PROPOSED 00.00° PERMANENT EASEMENT

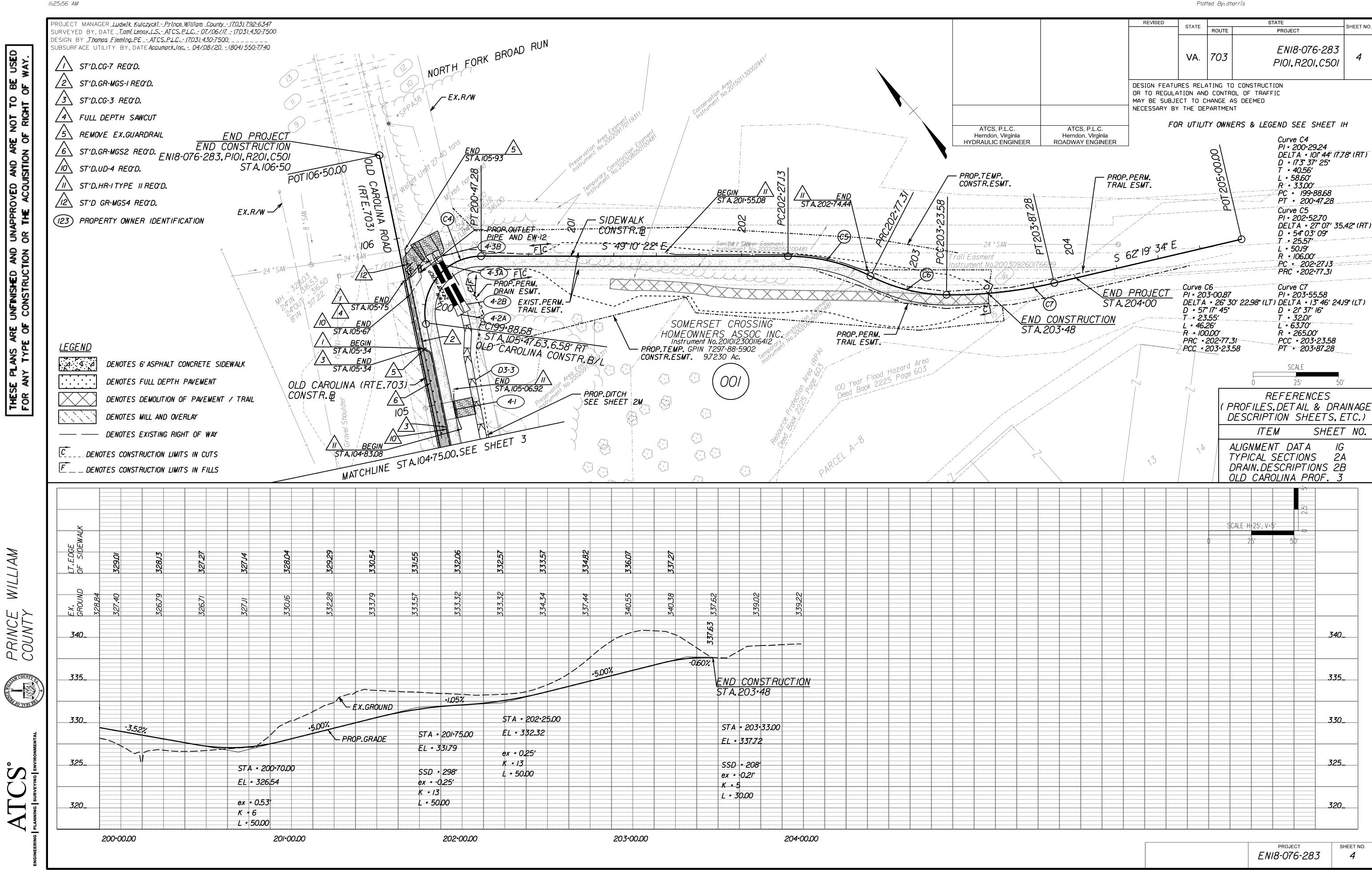
DENOTES IMPACT PARCEL

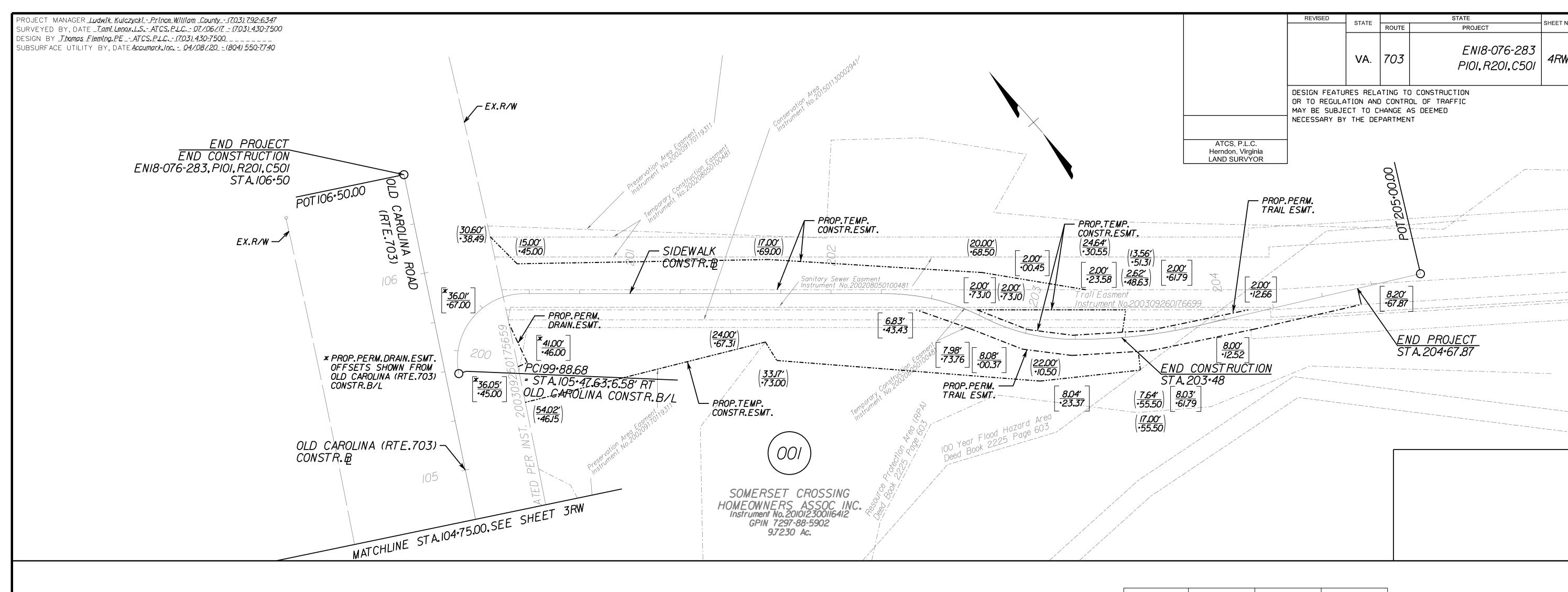
— DENOTES EXISTING RIGHT-OF-WAY LINE — DENOTES EXISTING PROPERTY LINE - DENOTES PROPOSED RIGHT OF WAY LINE ----- DENOTES TEMPORARY CONSTRUCTION EASEMENT LINE

--- DENOTES CONSTRUCTION B/L

EN18-076-283

SHEET NO. 3RW





$\mid NUMBER \mid \stackrel{D}{\vdash}$	RAIN.ESMT.	TRAIL ESMT.	CONSTR.ESMT.
NOWDLN	SQ.FT.	SQ.FT.	SQ.FT.
001	SEE 3RW	SEE 3RW	SEE 3RW

<u>NOTES</u>

- I. THIS RIGHT OF WAY SHEET REPRESENTS A FIELD RUN PERIMETER SURVEY OF THE PROPOSED R/W LIMITS. ALL OTHER ADJOINING/DEPARTING BOUNDARY LINES SHOWN ARE COMPILED FROM VARIOUS SOURCES: FOUND FIELD MONUMENTATION, METES AND BOUNDS DESCRIPTIONS, AND RECORDED PLATS. THE ADJOINING LINES DO NOT REPRESENT A FIELD RUN SURVEY OF THE ADJOINING PROPERTIES AND ARE A BEST FIT BASED ON COMPILED DATA. ALL AREAS SHOWN FOR R/W TAKES AND EASEMENTS ARE APPROXIMATE ONLY.
- 2. ALL OF THE PROPERTIES PHYSICAL IMPROVEMENTS ARE NOT SHOWN HEREON.
- 3. THIS PLAN SHEET WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT SHOW ALL EASEMENTS WHICH MAY AFFECT THE PROPERTY SHOWN HEREON.
- 4. THIS SURVEY DATUM IS BASED ON VDOT PROJECT *ENI8-076-283, PIOI, R201, UPC *II3607
- 5. ALL MONUMENTATION TO BE SET UPON COMPLETION OF CONSTRUCTION.
- 6. NO CEMETERY SITES WERE OBSERVED ON THE SUBJECT PROPERTY. THIS DOES NOT PRECLUDE THEIR EXISTENCE.

OFFSETS SHOWN FROM SIDEWALK
CONSTR.B/L.UNLESS OTHERWISE NOTED

(00.00

<u>LEGEND</u>

DENOTES STATION / OFFSET OF PROPOSED
TEMPORARY CONSTRUCTION EASEMENT

DENOTES STATION / OFFSET OF PROPOSED

DENOTES STATION / OF PERMANENT EASEMENT

DENOTES IMPACT PARCEL

— DENOTES EXISTING RIGHT-OF-WAY LINE

DENOTES PROPOSED PICUT OF WAY IN

------ DENOTES PROPOSED RIGHT OF WAY LINE
----- DENOTES TEMPORARY CONSTRUCTION EASEMENT LINE

00/-

- DENOTES CONSTRUCTION B/L



PROJECT EN18-076-283

JECT SHEET NO. **4RW**