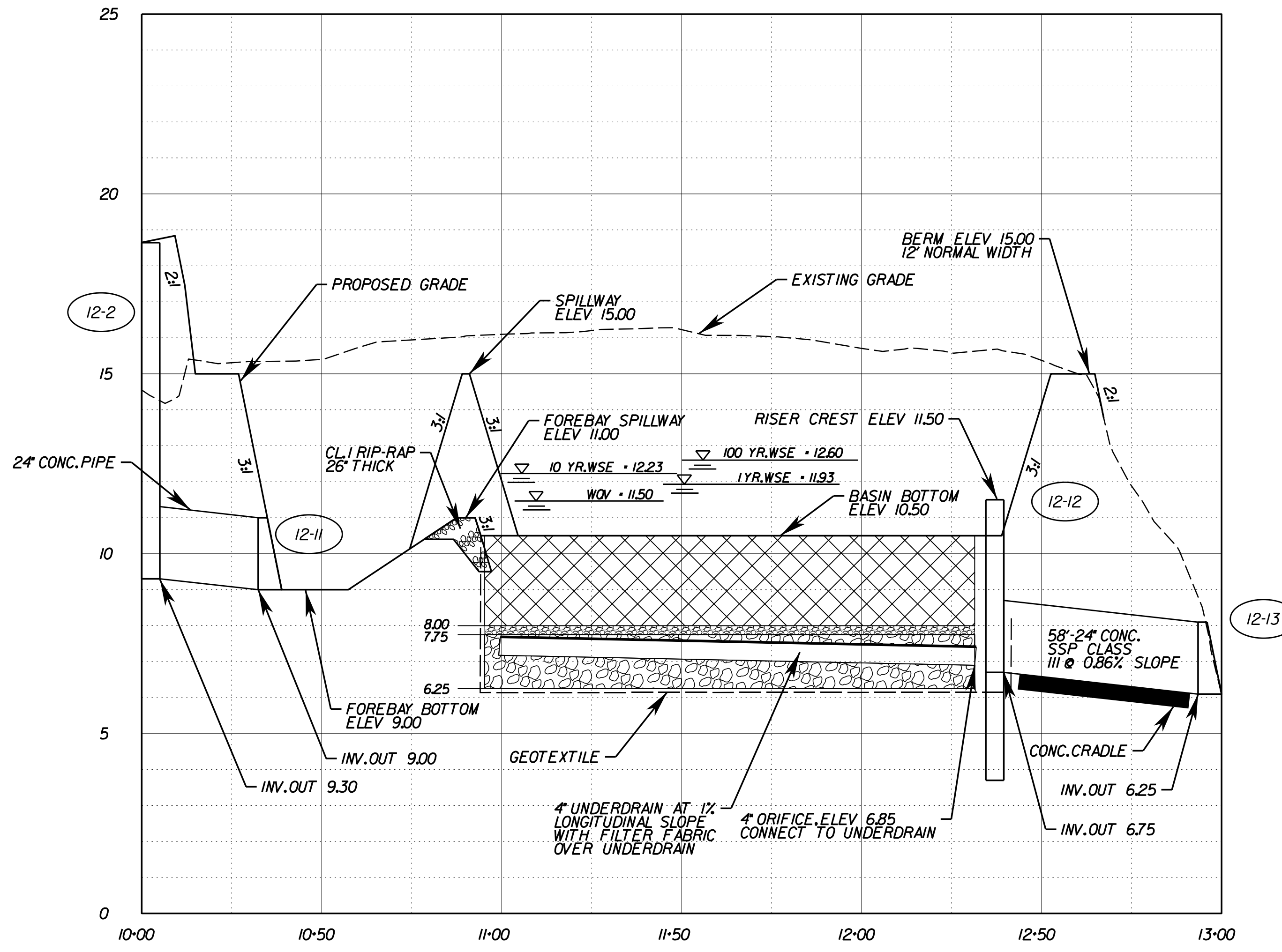


PROJECT MANAGER: Susie Lue (703)259-2918 NOVA District  
SURVEYED BY, DATE: Leon E. Treutle LS (703)259-3224 7/17/13  
DESIGN BY: JMT\_Engineering (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon E. Treutle LS (703)259-3224 7/17/13

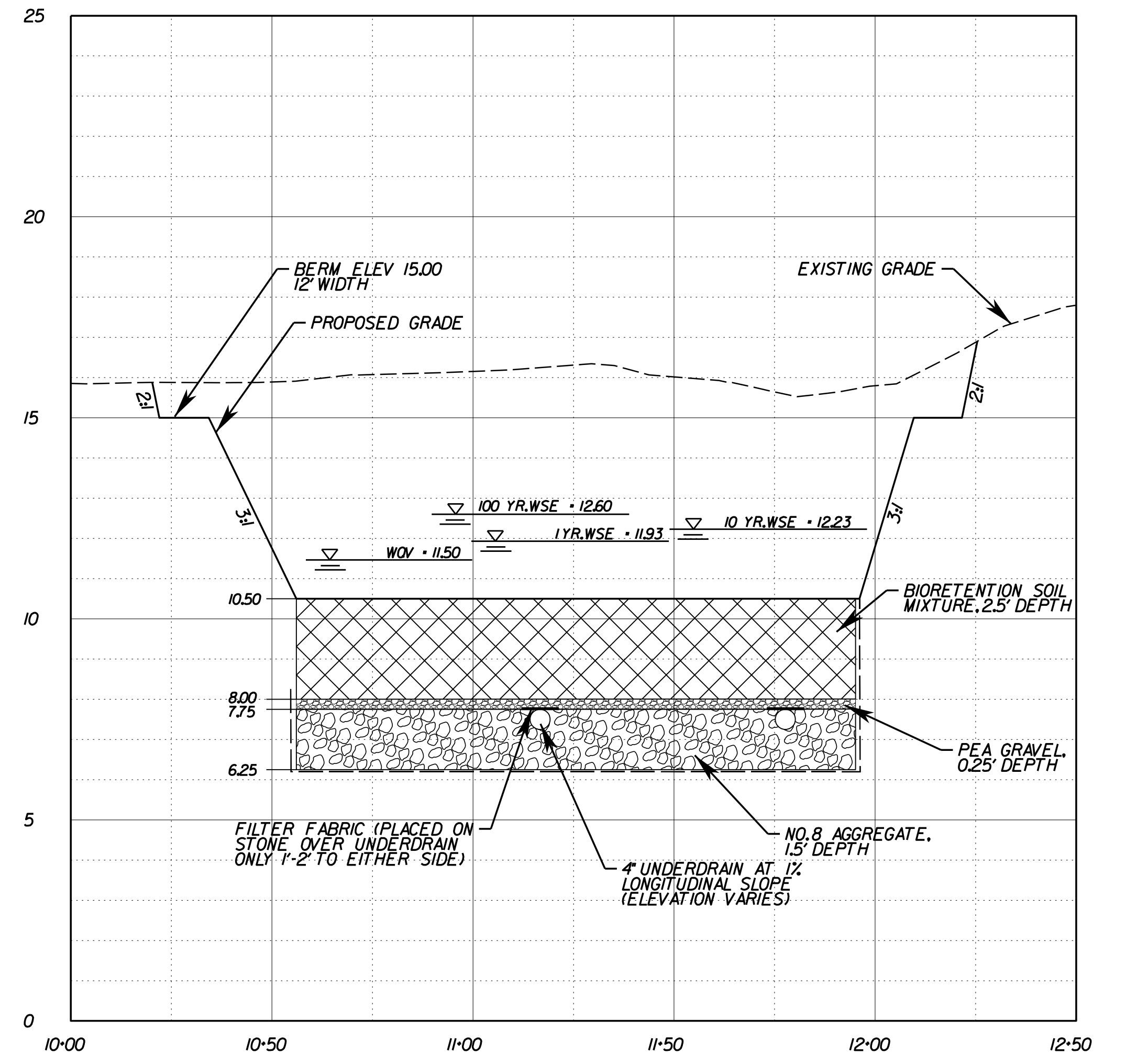
# BASIN #6 DETAILS, PROFILE, AND CROSS-SECTION

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	2116A
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT Location & Design Richmond, Virginia HYDRAULIC ENGINEER				



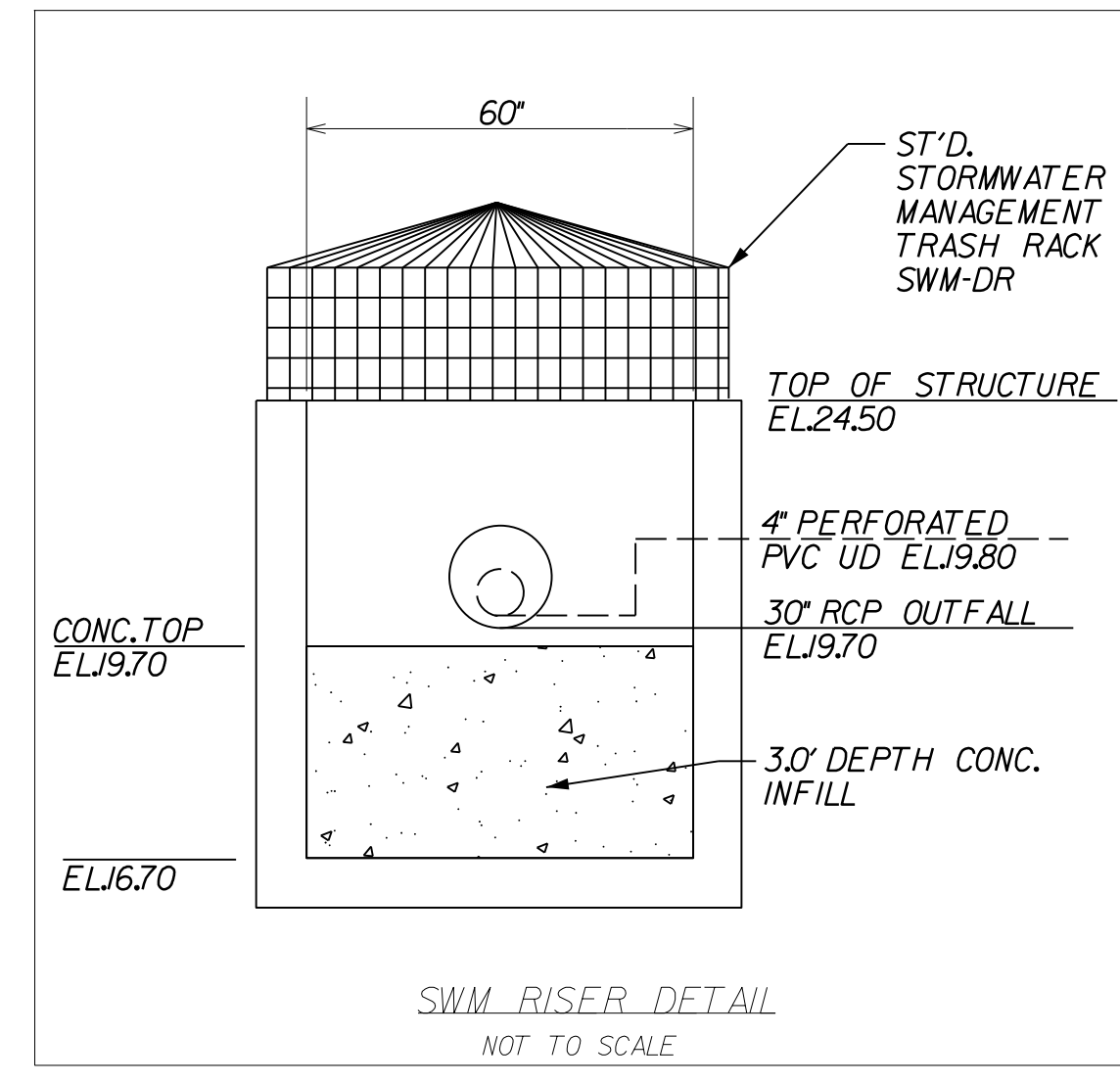
**SWM 6 PROFILE B-B**

VERTICAL SCALE: 1" = 2.5'  
HORIZONTAL SCALE: 1" = 25'

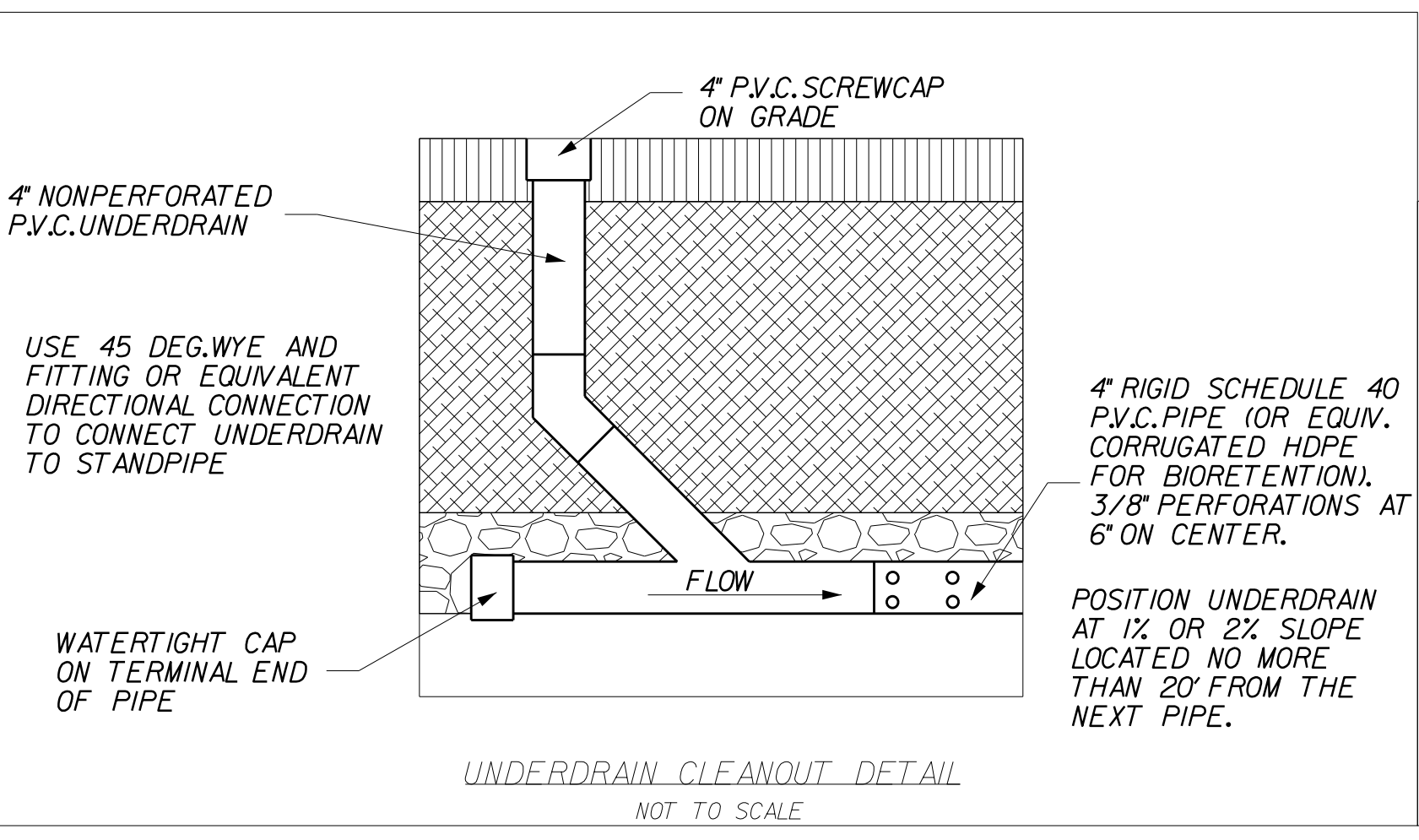


**CROSS SECTION A-A**

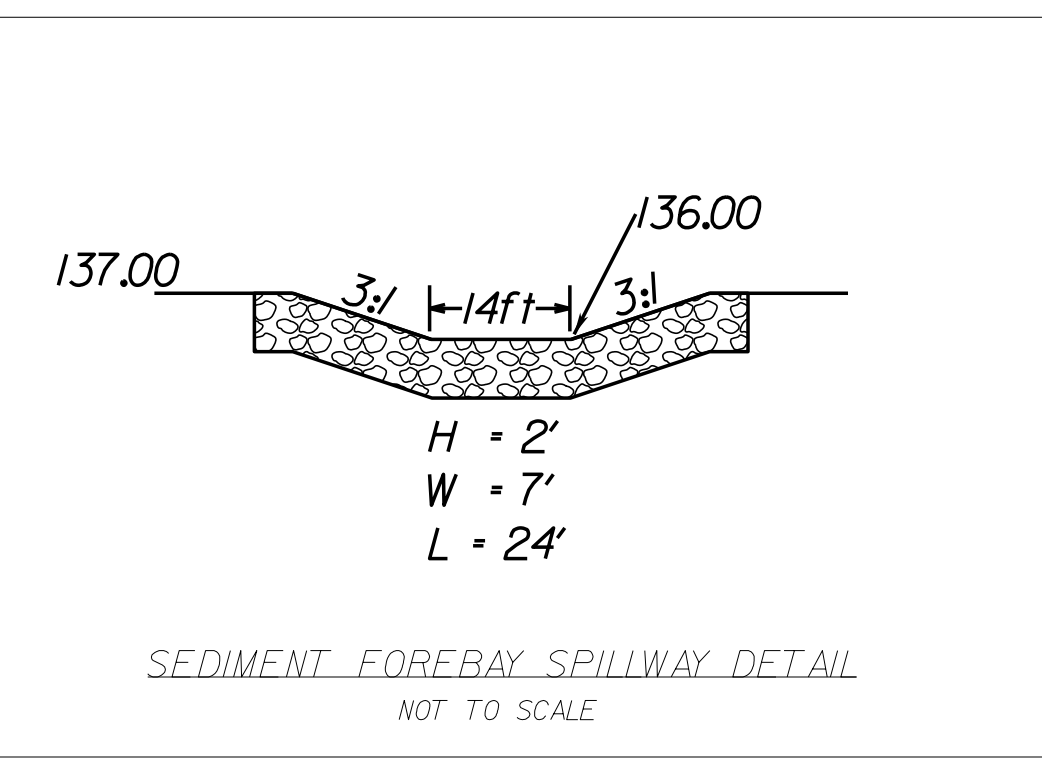
VERTICAL SCALE: 1" = 2.5'  
HORIZONTAL SCALE: 1" = 25'



**SWM RISER DETAIL**  
NOT TO SCALE



**UNDERDRAIN CLEANOUT DETAIL**  
NOT TO SCALE



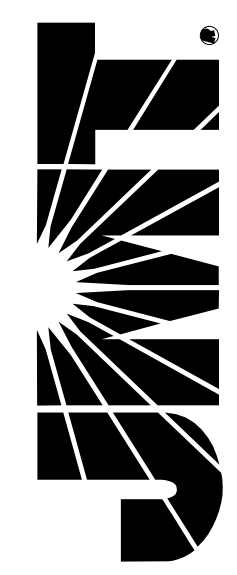
**SEDIMENT FOREBAY SPILLWAY DETAIL**  
NOT TO SCALE

**R/W PLANS**

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

PROJECT	SHEET NO.
0001-212-249	2116A

**JOHNSON, MIRMIRAN & THOMPSON**  
2901 Apperatum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



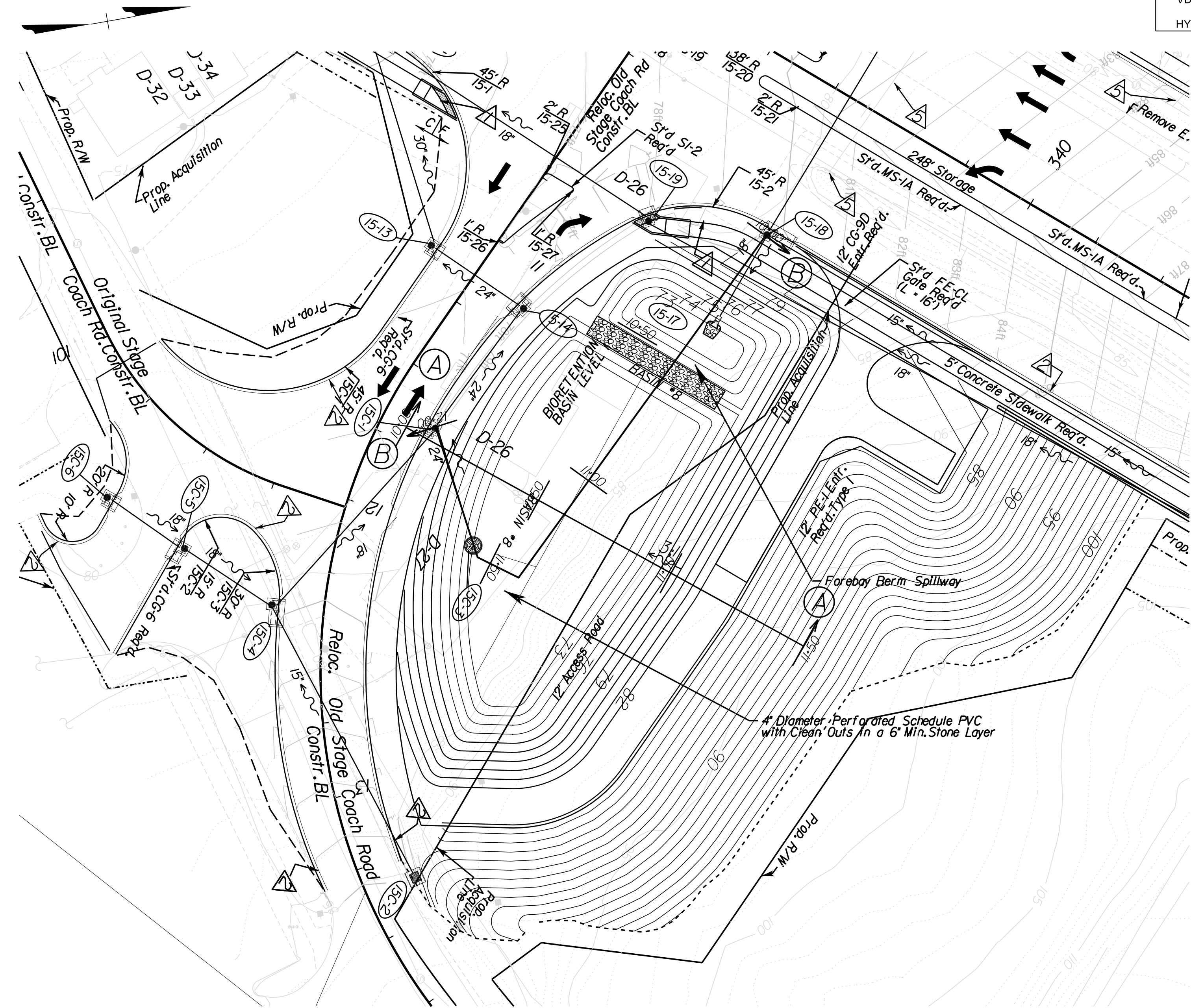
PROJECT MANAGER: Suste, Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, E. Engineering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13

# STORMWATER BASIN #8 GRADING PLAN

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	21(7)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



- Notes:**
- The foundation material under the dam and the material to be used for the embankment of the dam shall be an AASHTO Type A-4 or finer and meet the approval of the materials engineer.
  - The contractor shall provide 'As-Built' drawings of all stormwater management facilities. The 'As-Built' drawings shall show the actual finished ground contours, outlet structure dimensions and elevations, etc., as they exist at the completion of the project. These drawings shall be signed and sealed by the Licensed Professional Engineer or Land Surveyor registered in the State of Virginia. All costs shall be included under Construction Surveying.
  - The as-built drawings shall be signed and sealed by a Professional Engineer or Land Surveyor.
  - SWM 8 shall be maintained by the Virginia Department of Transportation in accordance with VDOT BMP Maintenance Manual.
  - For Profile SWM 8 (B-B), Cross Section A-A and details see sheet 21(7A).
  - For Drainage Descriptions see sheet 2E(1)-2E(6).  
For Landscaping and Planting Plan see sheet 21(1)  
For Bioretention Construction Sequence see sheet 21(2)
  - Construction Inspections must be conducted in accordance with Non-Proprietary BMPs 9 Bioretention Inspection Checklist, dated April 2018, including completion of the Prince William County Construction Inspection Checklist found at <https://www.pwcva.gov/department/environmental-services/stormwater-management>. Additionally, the Inspection Checklist shall be kept in the Route 1 Fraley Boulevard Project SWPPP.

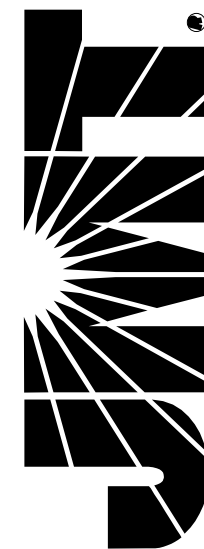
NOTE: FOR TEMPORARY SWM-I STR. T-15-C3 RISER OF 60" AT ELEVATION 75.50' IS REQUIRED. TEMPORARY SWM-I STRUCTURE SHALL BE CONVERTED TO PERMANENT STRUCTURE 15C-3 WITH RISER OF 60" AT ELEVATION 74.00'.

SCALE 0 25' 50'	PROJECT 0001-212-249	SHEET NO. 21(7)
--------------------	-------------------------	--------------------

R/W PLANS

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





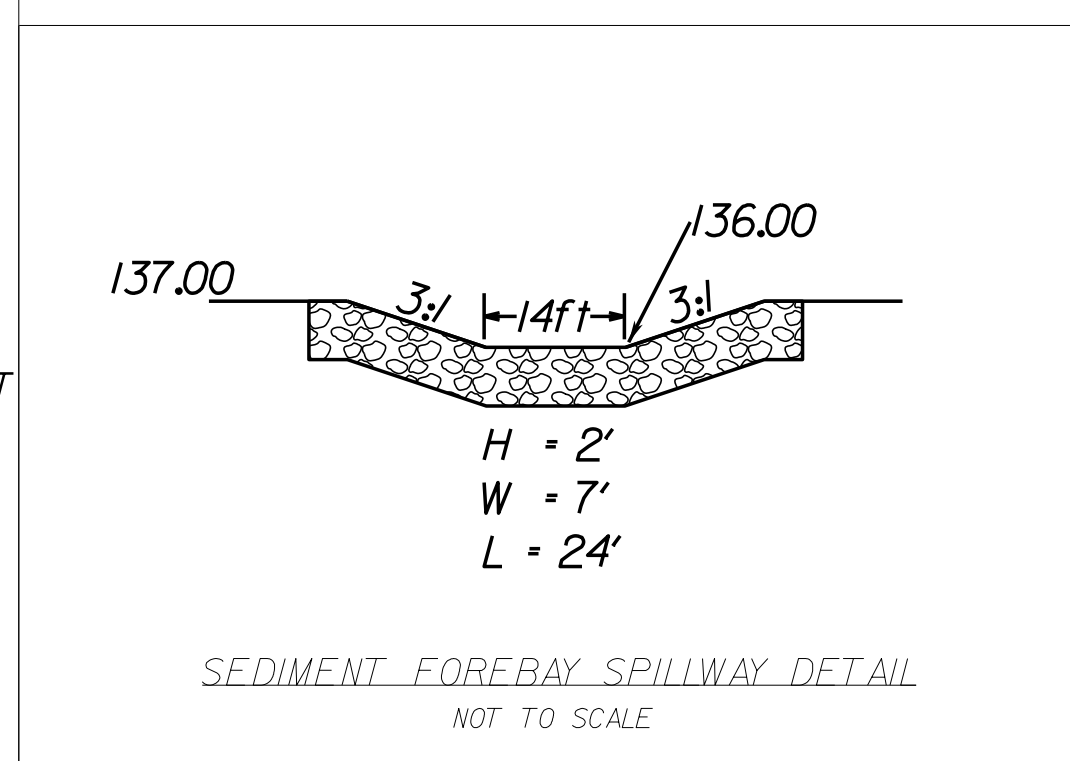
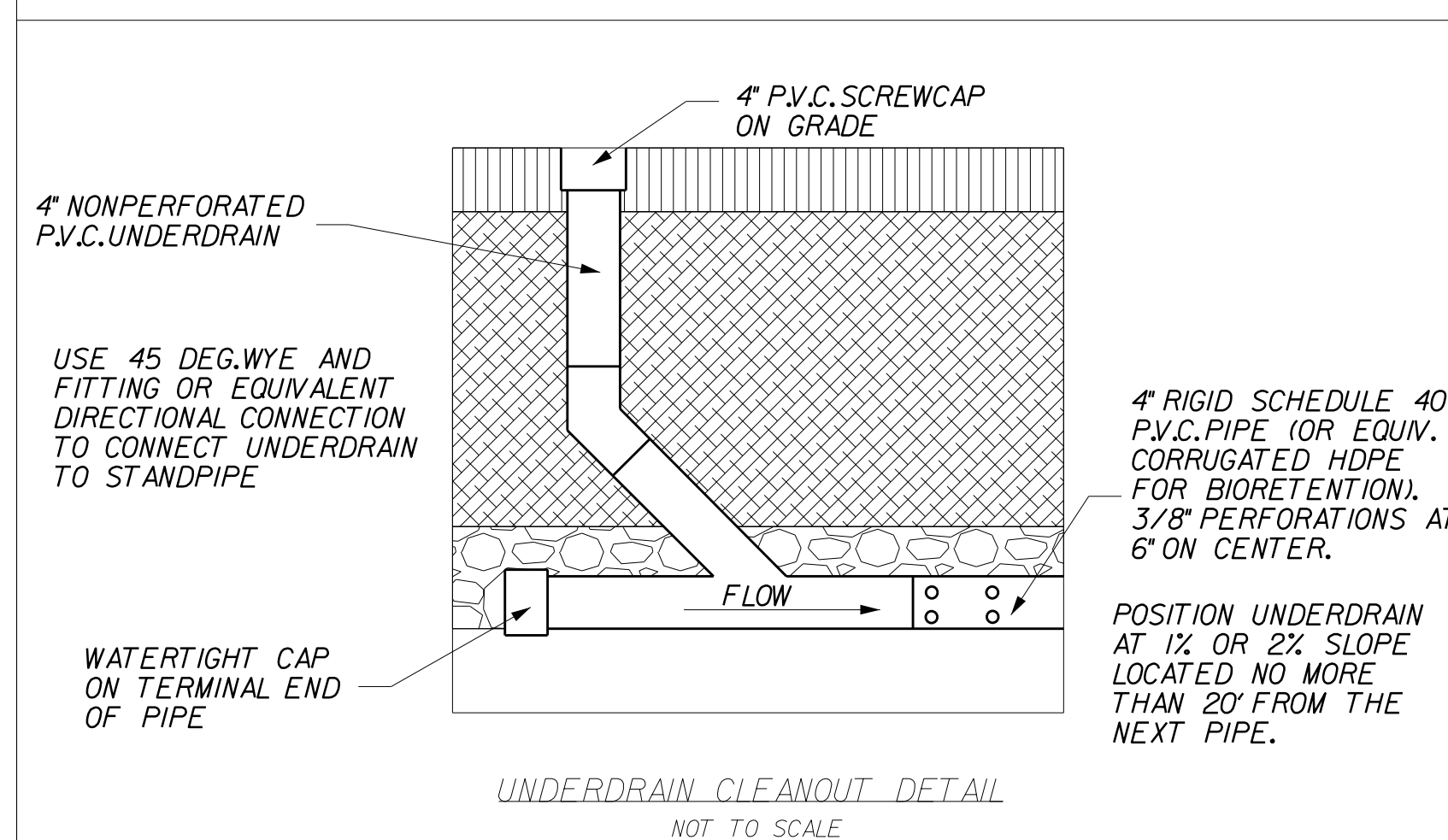
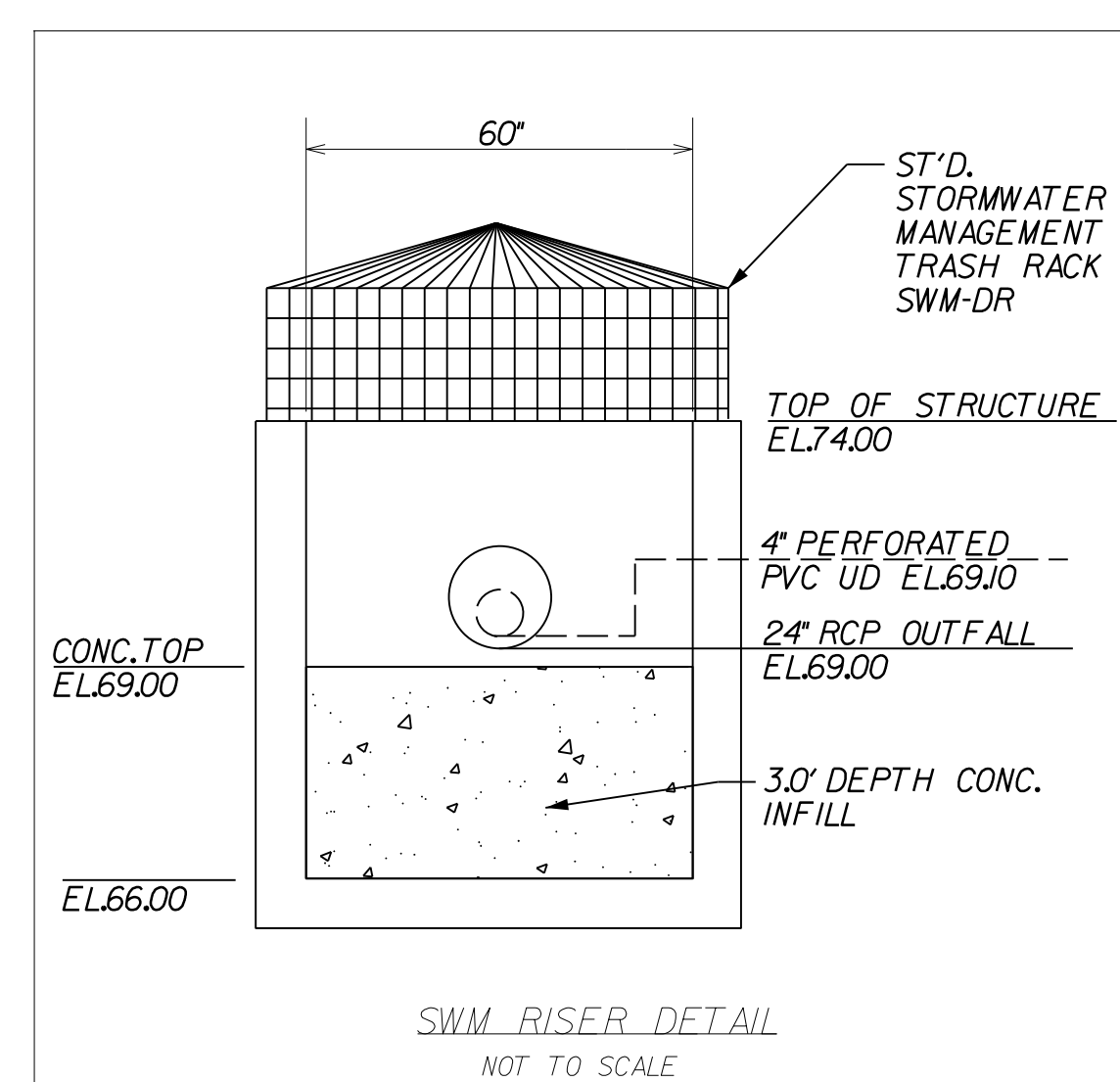
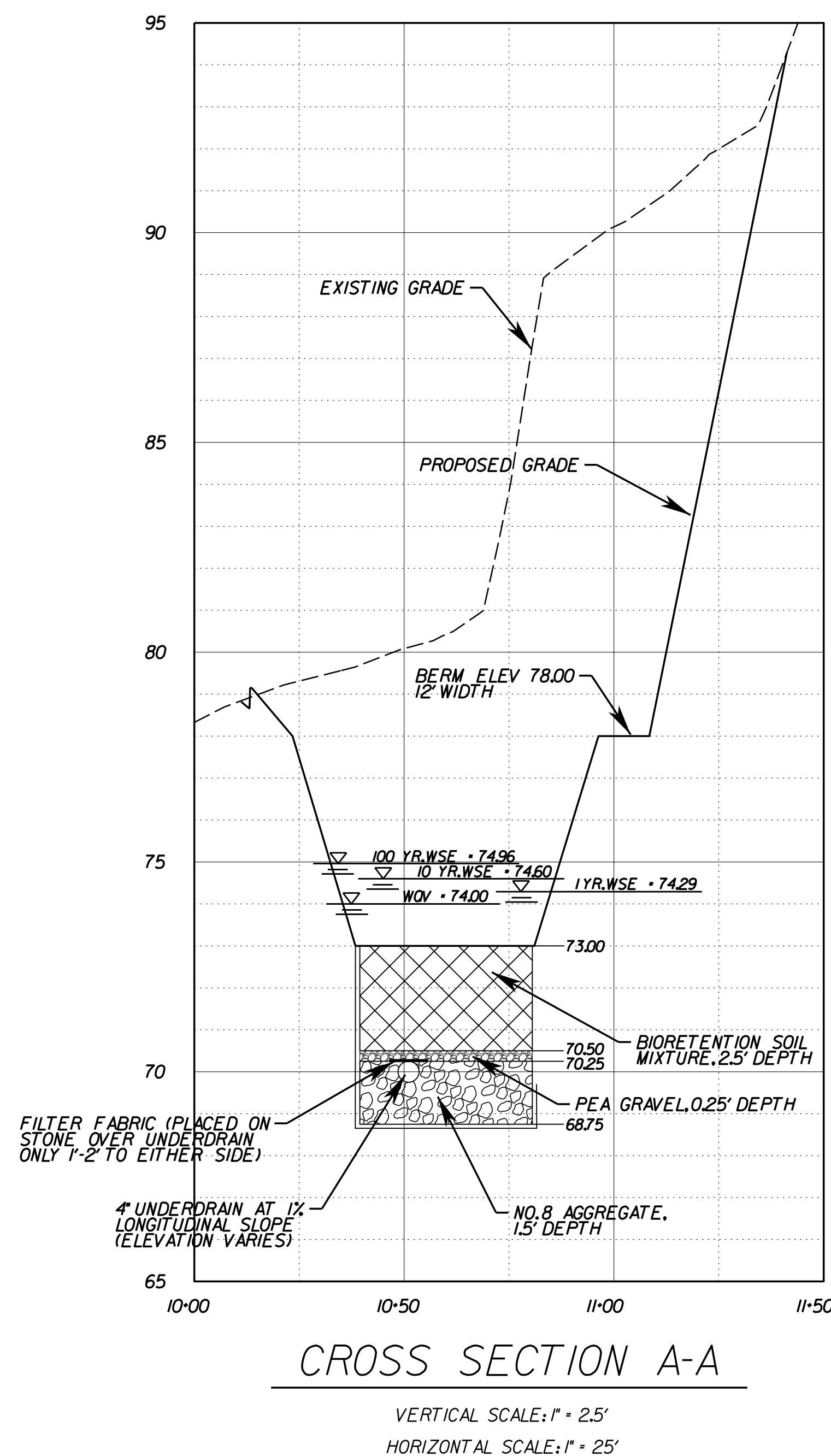
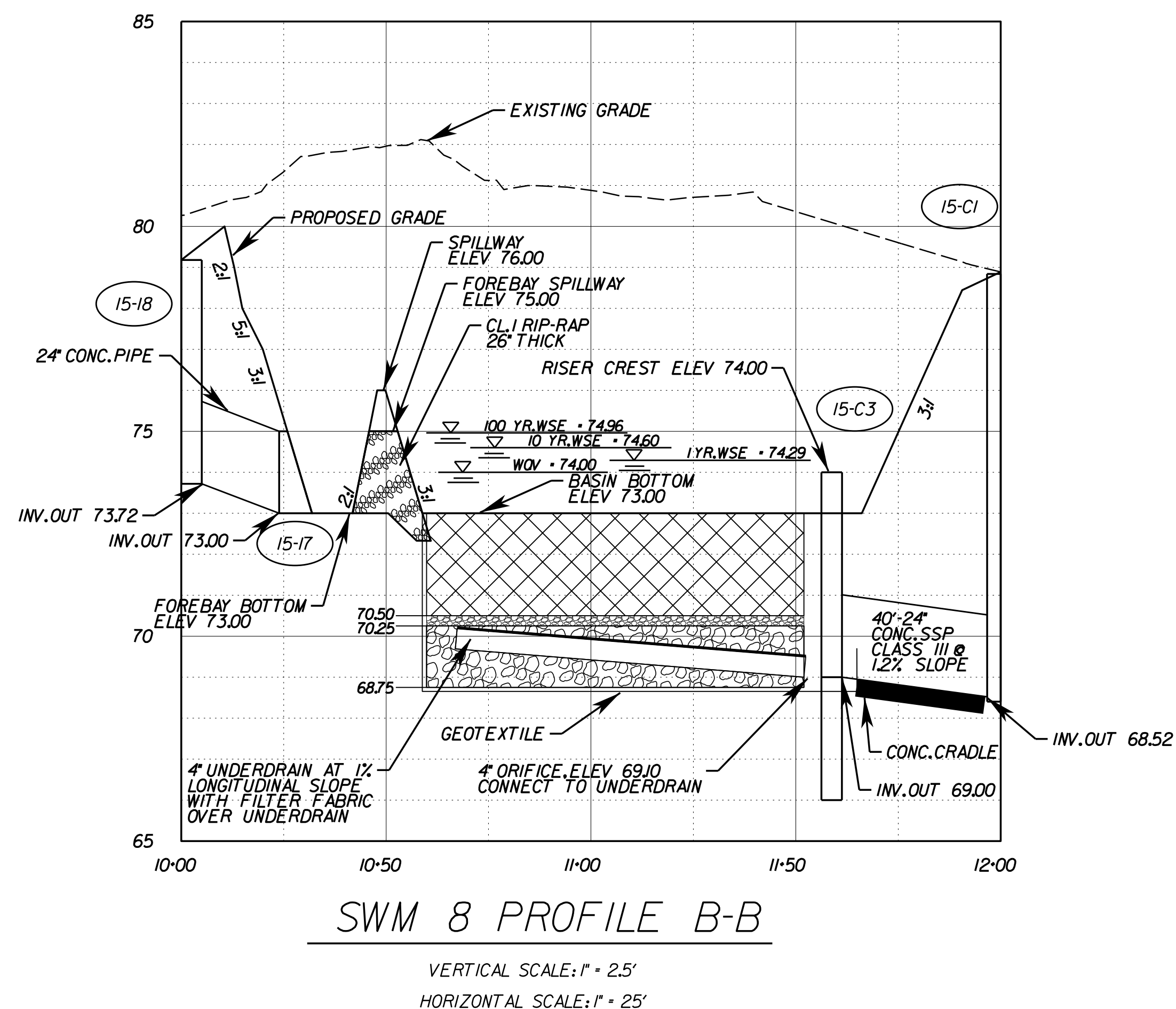
PROJECT MANAGER: Suste, Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, E. Treutle, LS (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13

# BASIN #8 DETAILS, PROFILE, AND CROSS-SECTION

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	21(7A)

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

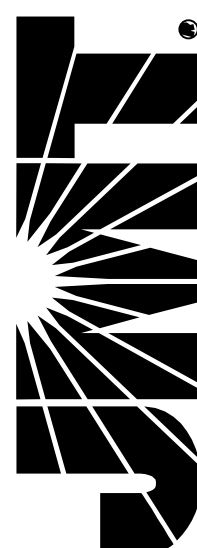
VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



R/W PLANS

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

JOHNSON, MIRIRAN & THOMPSON  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER: Hoa Nam Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE: Leon E. Treutle, L.S. (703) 259-3224 7/17/13  
DESIGN BY: JMC Engineering (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon E. Treutle, L.S. (703) 259-3224 7/17/13

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	2J(1)

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

DEMOLITION OF BUILDINGS/CLEARING OF PARCELS SUMMARY							
Project 0001-212-249, RW-201							
Sheet Number	Parcel Number	Demolition Number	Station Rt. or Lt.	Description	Demolition of Buildings	Clearing of Parcels	Comments
					Lump Sum	Lump Sum	
3	006	D700	254+55 Rt.	Sign		L.S.	
		D701					
		D702					
3	003	D900	253+25 Lt.	Light Post		L.S.	
3	007 & 008	D901	256+50 Rt.	6' Wood Fence		L.S.	
3B	005	D703	176+67 Lt. Main	Sign		L.S.	
4	005	D-1	259+00 Lt.	1 Story Building	L.S.		
4	005	D-2	259+20 Lt.	Shed	L.S.		
4	005	D-3	259+50 Lt.	1 Story Brick Building	L.S.		
4	005	D-4	259+50 Lt.	Billboard	L.S.		
		D706					
4	009	D707	258+50 Rt.	Sign		L.S.	
		D709					
		D710					
		D711					
4	012	D-31	261+00 Lt.	Storage Units		L.S.	
4	012	D-32	264+00 Lt.	Storage Units		L.S.	
6	019	D902	273+25 Lt.	Chain Link Fence		L.S.	
6	024	D903	274+25 Lt.	Wood Fence		L.S.	
6	024	D904	275+00 Lt.	Chain Link Fence		L.S.	
6	024	D905	275+75 Lt.	Chain Link Fence		L.S.	
6	024	D-6	276+20 Lt.	Block Shed	L.S.		
6	024	D-7	277+00 Lt.	1 Story Brick Bldg.	L.S.		
7	026	D908(A)	282+20 Rt.	Light Post		L.S.	
7	026	D908(B)	282+80 Rt.	Light Post		L.S.	
7	026	D908(C)	283+70 Rt.	Light Post		L.S.	
7	026	D908(D)	283+55 Rt.	Light Post		L.S.	
7	027	D-8	282+30 Rt.	1 Story Brick Bldg.	L.S.		
7	027	D712	282+00 Rt.	Sign		L.S.	
7	026	D713	11+05 Rt.Gr.Rt.	Sign		L.S.	
		D714					
		D715					
		D716					
7	024	D717	284+10 Lt.	Sign		L.S.	
7	025	D718	285+35 Lt.	Sign		L.S.	
7	025	D933	285+40 Lt.	2-Bollards		L.S.	
7	025	D914	285+50 Lt.	Light Post		L.S.	
7C	026	D907	11+80 Rt.Gr.Rt.	Light Post		L.S.	
7C	026	D909	11+50 Rt.Gr.Rt.	Light Post		L.S.	
7C	039	D910	12+80 Lt.Gr.Rt.	Gas Test		L.S.	
7C	039	D911	12+75 Lt.Gr.Rt.	Gas Witness Post		L.S.	
7C	039	D912	11+95 Lt.Gr.Rt.	Light Post		L.S.	
7C	039	D913	11+90 Lt.Gr.Rt.	Post		L.S.	
8	028	D-10	286+50 Rt.	Brickwall	L.S.		

DEMOLITION OF BUILDINGS/CLEARING OF PARCELS SUMMARY							
Project 0001-212-249, RW-201							
Sheet Number	Parcel Number	Demolition Number	Station Rt. or Lt.	Description	Demolition of Buildings	Clearing of Parcels	Comments
					Lump Sum	Lump Sum	
8	028	D-11	286+50 Rt.	1 Story Brick Bldg.	L.S.		
8	033	D-12	287+60 Lt.	2 Story Brick Bldg.	L.S.		
8	033	D-13	287+95 Lt.	Carport	L.S.		
8	036	D-14	292+75 Lt.	1 Story Brick Bldg.	L.S.		
8	039	D719	286+60 Rt.	Sign		L.S.	
8	039	D721	289+70 Rt.	Sign		L.S.	
8	039	D722	290+75 Rt.	Sign		L.S.	
8	039	D723	292+45 Rt.	Sign		L.S.	
8	039	D-5	291+50 Rt.	Frame Kiosk		L.S.	
8	039	D735	288+48 Rt.	Sign		L.S.	
8	034	D724	288+95 Lt.	Sign		L.S.	
8	036	D725	290+70 Lt.	Sign		L.S.	
8	025	D915	286+40 Lt.	Bollard		L.S.	
8	032	D916	287+05 Lt.	Bollard		L.S.	
8	032	D906(A)	287+05 Lt.	Fence & Gate		L.S.	
8	032	D906(B)	286+65 Lt.	Fence		L.S.	
8	039	D917	287+15 Rt.	Light Pole		L.S.	
8	039	D918	288+40 Rt.	Light Pole		L.S.	
8	034	D919	288+70 Lt.	Light Pole		L.S.	
8	039	D920	290+95 Rt.	Light Pole		L.S.	
8	039	D921	292+07 Rt.	Light Pole		L.S.	
8	036	D923	290+70 Lt.	Light Pole		L.S.	
8	036	D924	291+05 Lt.	Light Pole		L.S.	
8	036	D925	291+10 Lt.	Light Pole		L.S.	
8	036	D926	291+70 Lt.	Light Pole		L.S.	
8	036	D927	292+00 Lt.	Light Pole		L.S.	
8	039	D928	289+75 Rt.	Light Pole		L.S.	
8	036	D929	292+10 Lt.	Post		L.S.	
8	036	D930	292+00 Lt.	Light Pole		L.S.	
8	036	D931	291+65 Lt.	Light Pole		L.S.	
8	036	D932	292+00 Lt.	Light Pole		L.S.	
9	039	D922	293+38 Rt.	Light Pole		L.S.	
9	039	D934	297+35 Rt.	Light Pole		L.S.	
9	044	D935	297+95 Lt.	Post		L.S.	
9	112	D-15	298+20 Rt.	Billboard	L.S.		
9	036	D-16	293+15 Lt.	Wood Shed	L.S.		
9	036	D-17	293+30 Lt.	Carport	L.S.		
9	048	D720	296+20 Rt.	Sign		L.S.	
9	048	D726	296+02 Rt.	Sign		L.S.	

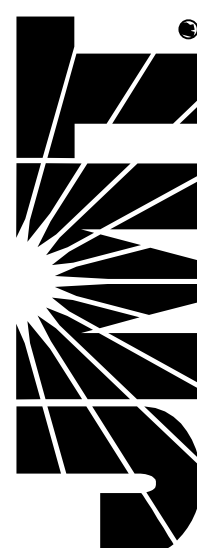
Continued on Sheet 2J(2)

PROJECT	SHEET NO.
0001-212-249	2J(1)

R/W PLANS

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





PROJECT MANAGER Hoa Nam Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE Leon E. Treutle, L.S. (703) 259-3224 7/17/13  
DESIGN BY JMT Engineering (804) 323-9900  
SUBSURFACE UTILITY BY, DATE Leon E. Treutle, L.S. (703) 259-3224 7/17/13

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1	0001-212-249, RW-201, C-501	2J(2)

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

DEMOLITION OF BUILDINGS/CLEARING OF PARCELS SUMMARY							
Project 0001-212-249, RW-201							
Sheet Number	Parcel Number	Demolition Number	Station Rt. or Lt.	Description	Demolition of Buildings	Clearing of Parcels	Comments
					Lump Sum	Lump Sum	
9	044	D727	297+95 Lt.	Sign		L.S.	
10	045	D728	301+05 Lt.	Sign		L.S.	
		D729					
10	049	D730	303+24 Lt.	Sign		L.S.	
11	049	D-18	308+00 Lt.	Billboard	L.S.		
12	059	D-19	315+75 Rt.	Container	L.S.		
12	060	D936	317+00 Rt.	Chain Link Fence		L.S.	
12	060	D731	317+50 Rt.	Sign		L.S.	
12	059	D940	315+00 Rt.	Fence		L.S.	
13	063	D-20	321+50 Lt.	Wood Shed	L.S.		
13	063	D-21	321+50 Lt.	Wood Shed	L.S.		
13	066	D-22	322+45 Lt.	Brick Building	L.S.		
13	067	D-23	325+50 Lt.	1 Story Brick Bldg.	L.S.		
13	040	D-24	320+80 Rt.	1 Story Masonry Bldg.	L.S.		
13	070	D732	325+45 Rt.	Wood Sign		L.S.	
13	068	D937	11+40 Lt. Canal	Fence		L.S.	
13	068	D938	11+25 Lt. Canal	Gate		L.S.	
13	069	D-31	323+50 Rt.	1 Story Masonry Bldg.	L.S.		
14	077	D-25	332+60 Rt.	Commercial Sign	L.S.		
14	075	D940	328+95 Rt.	Light Pole		L.S.	
14	075	D941	329+55 Rt.	Light Pole		L.S.	
14	075	D942	330+80 Rt.	Light Pole		L.S.	
14	075	D943	331+35 Rt.	Light Pole		L.S.	
14C	075	D939	202+17 Lt. Poss.	Light Pole		L.S.	
15	089	D-9	339+50 Lt.	1 Story Brick Bldg.	L.S.		
15	078	D733	334+25 Rt.	Sign		L.S.	
15	091	D-26	339+15 Rt.	1 Story Frame Bldg.	L.S.		
15	088	D734	338+15 Lt.	Sign		L.S.	
15	090	D-32	337+25 Rt.	1 Story Frame Bldg.	L.S.		
15	090	D-33	337+35 Rt.	Wood Shed	L.S.		
15	090	D-34	339+45 Rt.	Carport	L.S.		
15C	091	D-27	12+25 Lt. Stage	1 Story Brick Bldg.	L.S.		
16	100	D-28	342+50 Rt.	Retaining Wall	L.S.		
16	100	D-29	344+90 Rt.	Commercial Sign	L.S.		
16	100	D-30	347+55 Rt.	Commercial Sign	L.S.		
17	104	D944	347+95 Rt.	Light Pole		L.S.	
17	104	D945	348+70 Rt.	Light Pole		L.S.	
17	104	D946	349+50 Rt.	Light Pole		L.S.	

PROJECT	SHEET NO.
0001-212-249	2J(2)

R/W PLANS

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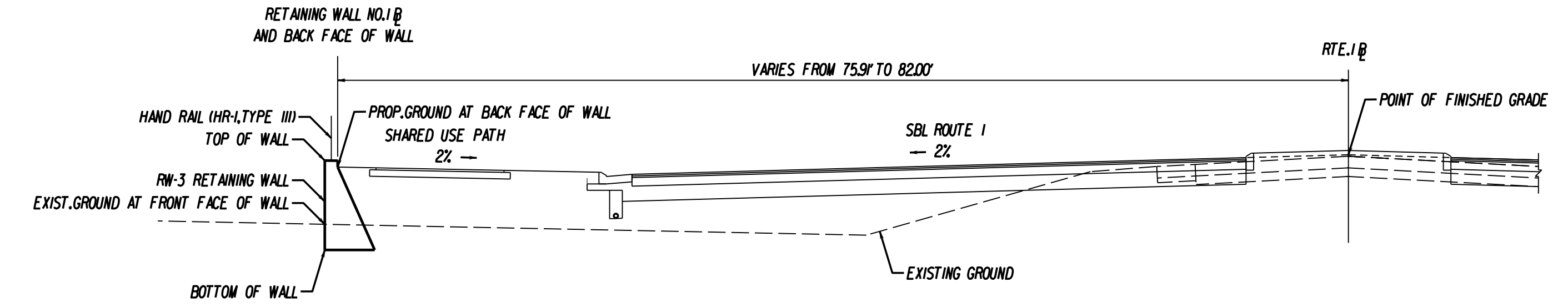
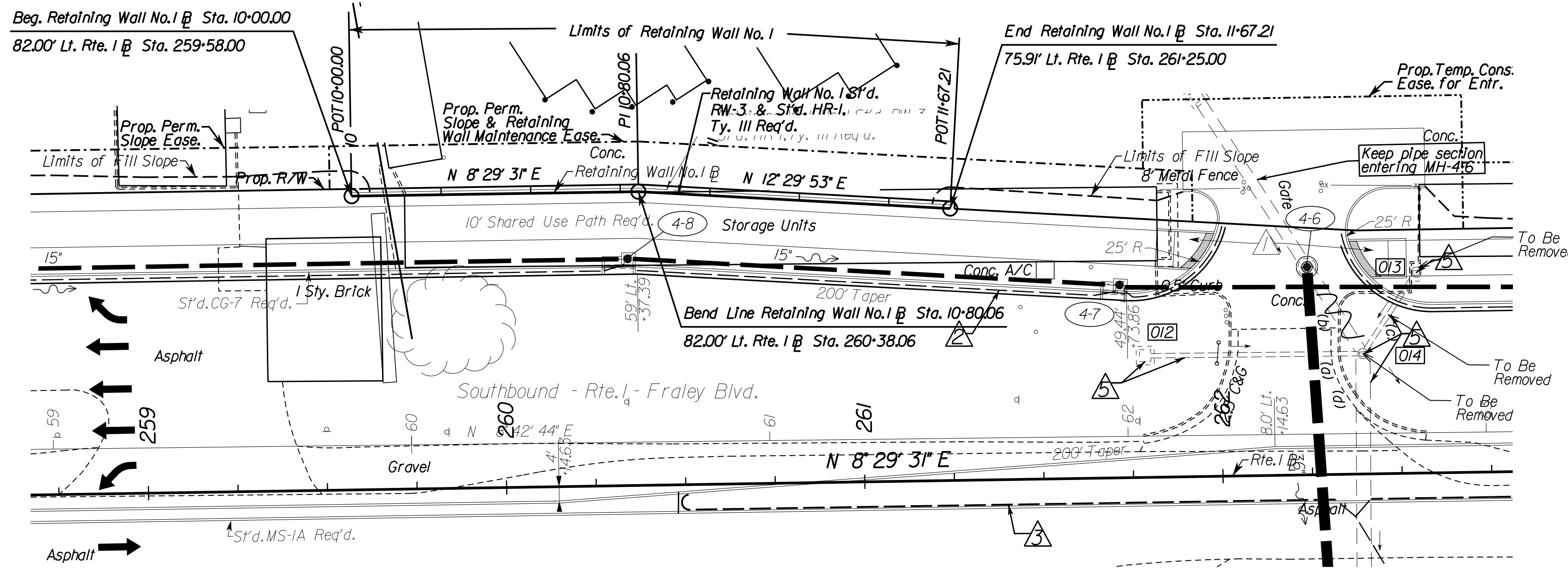
PROJECT MANAGER: Susie Lue, PE (703)259-2918, NOVA District  
 SURVEYED BY, DATE: Leon E. Jreutle, L.S. (703)259-3224, 7/12/13  
 DESIGN BY: JMJ, Engineering (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE: Leon E. Jreutle, L.S. (703)259-3224, 7/12/13

# RETAINING WALL NO.1

REVISED	STATE	STATE		SHEET NO.
	VA.	ROUTE	PROJECT	
		1	0001-212-249, RW-201, C-501	2K(1)

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

Johnson, Mirmiran & Thompson  
Richmond, Virginia  
STRUCTURAL ENGINEER



**RETAINING WALL NO.1 PROFILE VIEW**

Station	Prop. top of wall elev.	Prop. ground elev. at back face of wall	Exist. ground elev. at front face of wall	Prop. bottom of wall elev.
10+00.00	151.11	150.83	147.29	143.50
10+25	150.25	149.75	145.72	143.50
10+50	150.20	149.70	145.62	143.50
10+75	150.00	149.50	145.64	143.50
11+00.00	149.75	149.25	145.67	143.50
11+25	149.49	148.99	145.67	143.50
11+50	149.32	148.82	145.66	143.50
11+67.21				

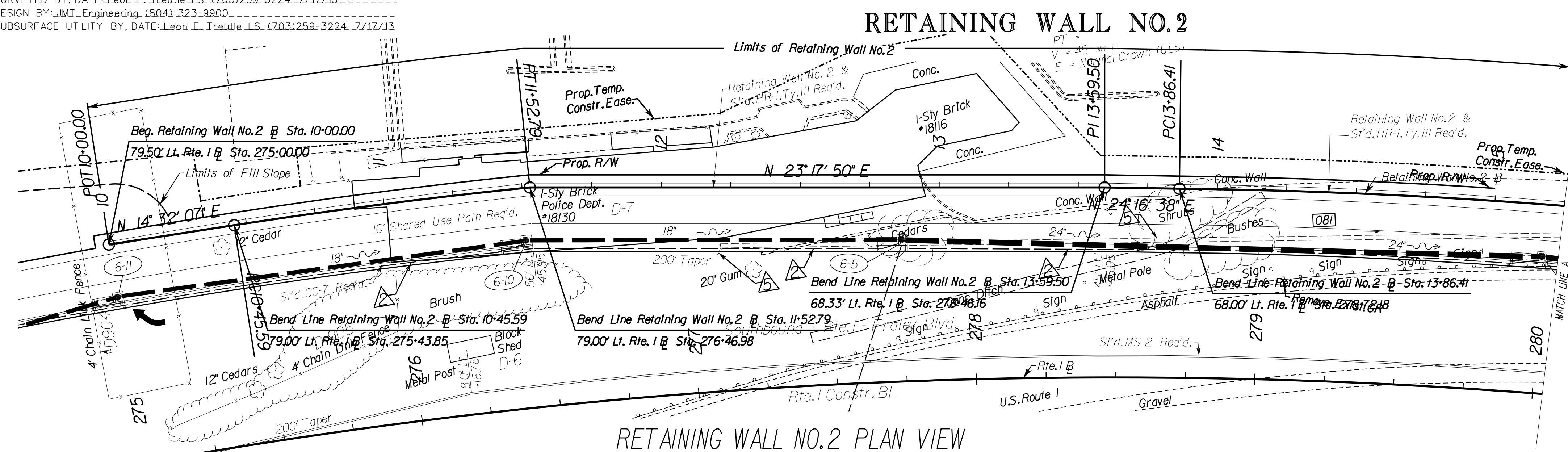


PROJECT MANAGER: Susie Lue, PE (703)259-2918, NOVA District  
 SURVEYED BY, DATE: Leon E. Jreutle, L.S. (703)259-3224, 7/12/13  
 DESIGN BY: JMJ, Engineering, (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE: Leon E. Jreutle, L.S. (703)259-3224, 7/12/13

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201,C-501	2K(2a)

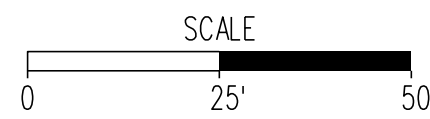
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirmiran & Thompson  
Richmond, Virginia  
STRUCTURAL ENGINEER

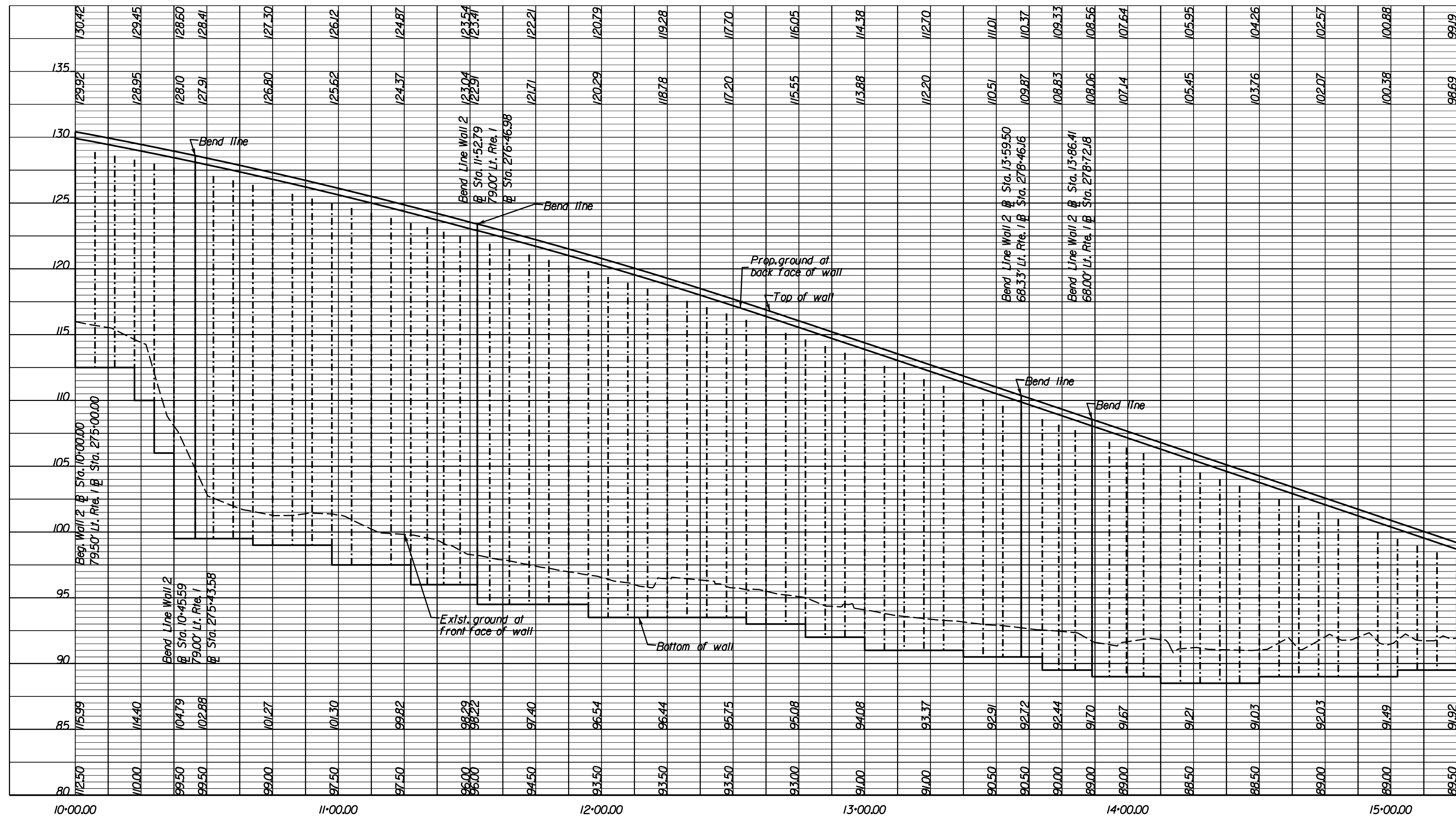


RETAINING WALL NO.2 PLAN VIEW

Scale  
Hor. 1"=25'  
Vert. 1"=5'



RETAINING WALL NO.2 PROFILE VIEW

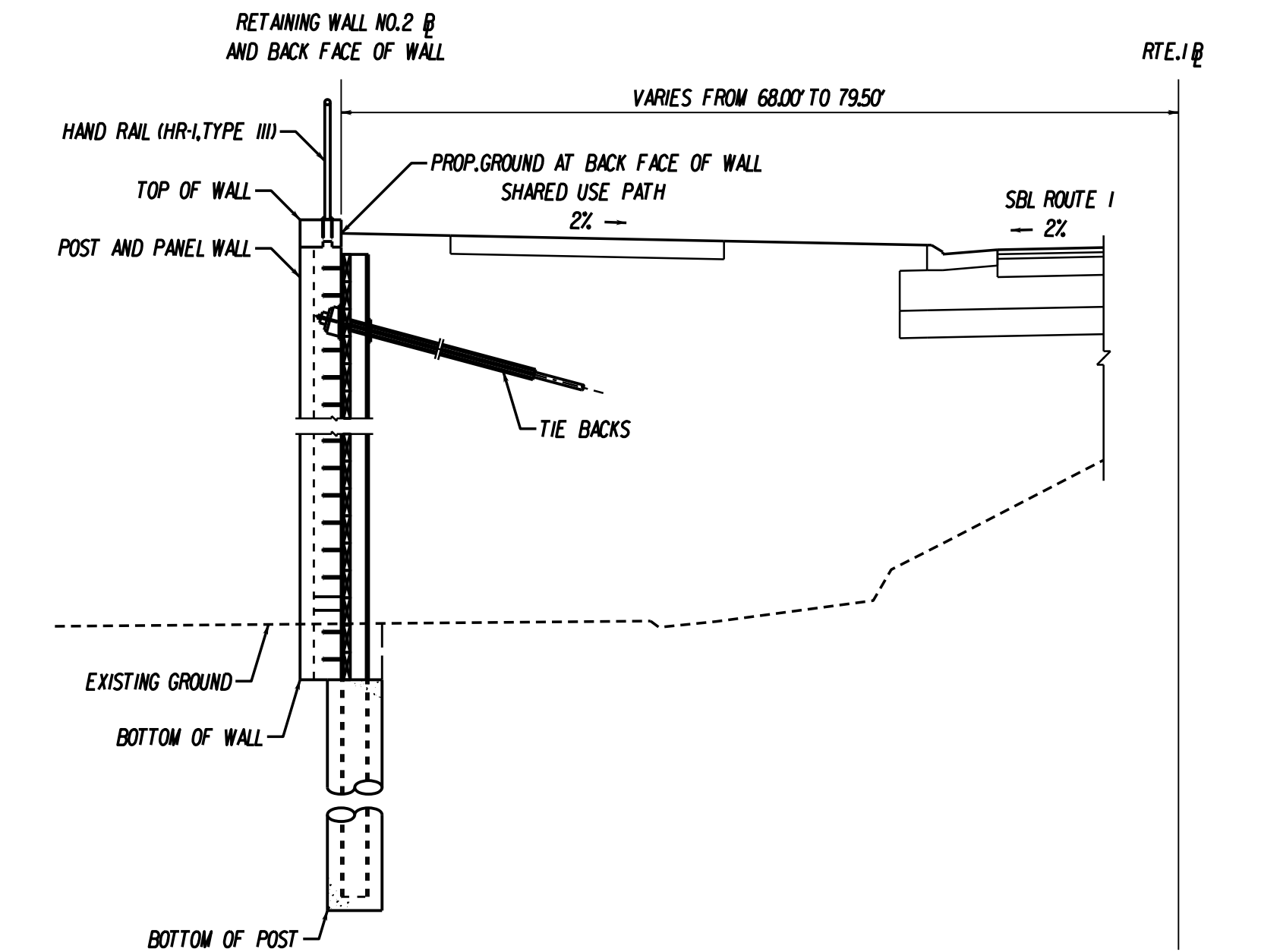


Prop. top of wall elev.

Prop. ground elev. at back face of wall

Exist. ground elev. at front face of wall

Prop. bottom of wall elev.



RETAINING WALL NO.2 TYPICAL SECTION  
STATION 10+00.00 TO STATION 15+25.00  
Not to scale

PROJECT 0001-212-249	SHEET NO. 2K(2a)
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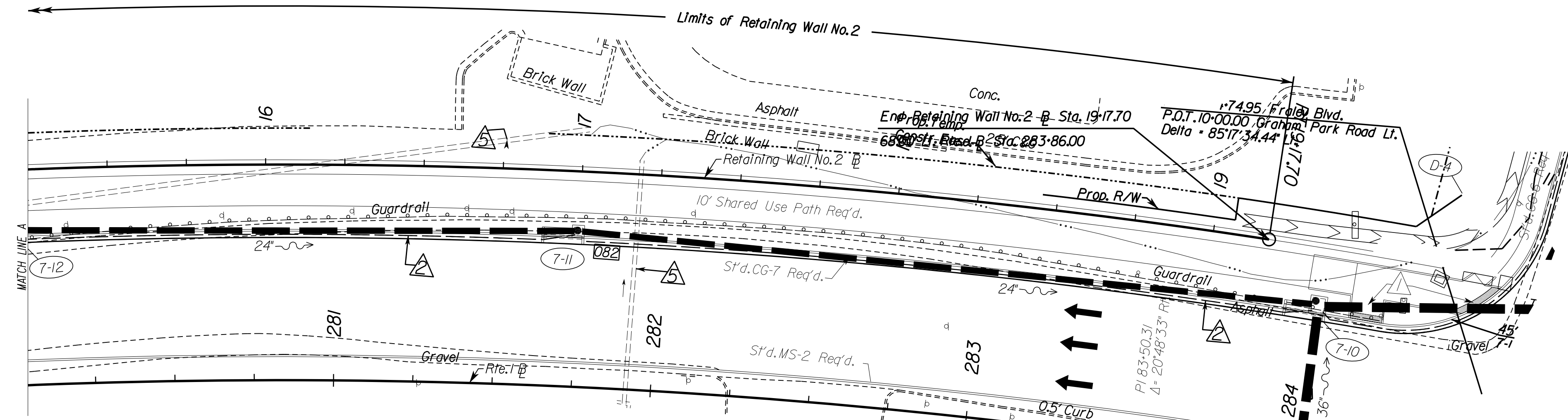
PROJECT MANAGER: Susie Lue, PE (703)259-2918, NOVA District  
 SURVEYED BY, DATE: Leon E. Icaulte, L.S. (703)259-3224, 7/17/13  
 DESIGN BY: JMJ, Engineering, (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE: Leon E. Icaulte, L.S. (703)259-3224, 7/17/13

### RETAINING WALL NO.2

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1	0001-212-249, RW-201, C-501	2K(2b)

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

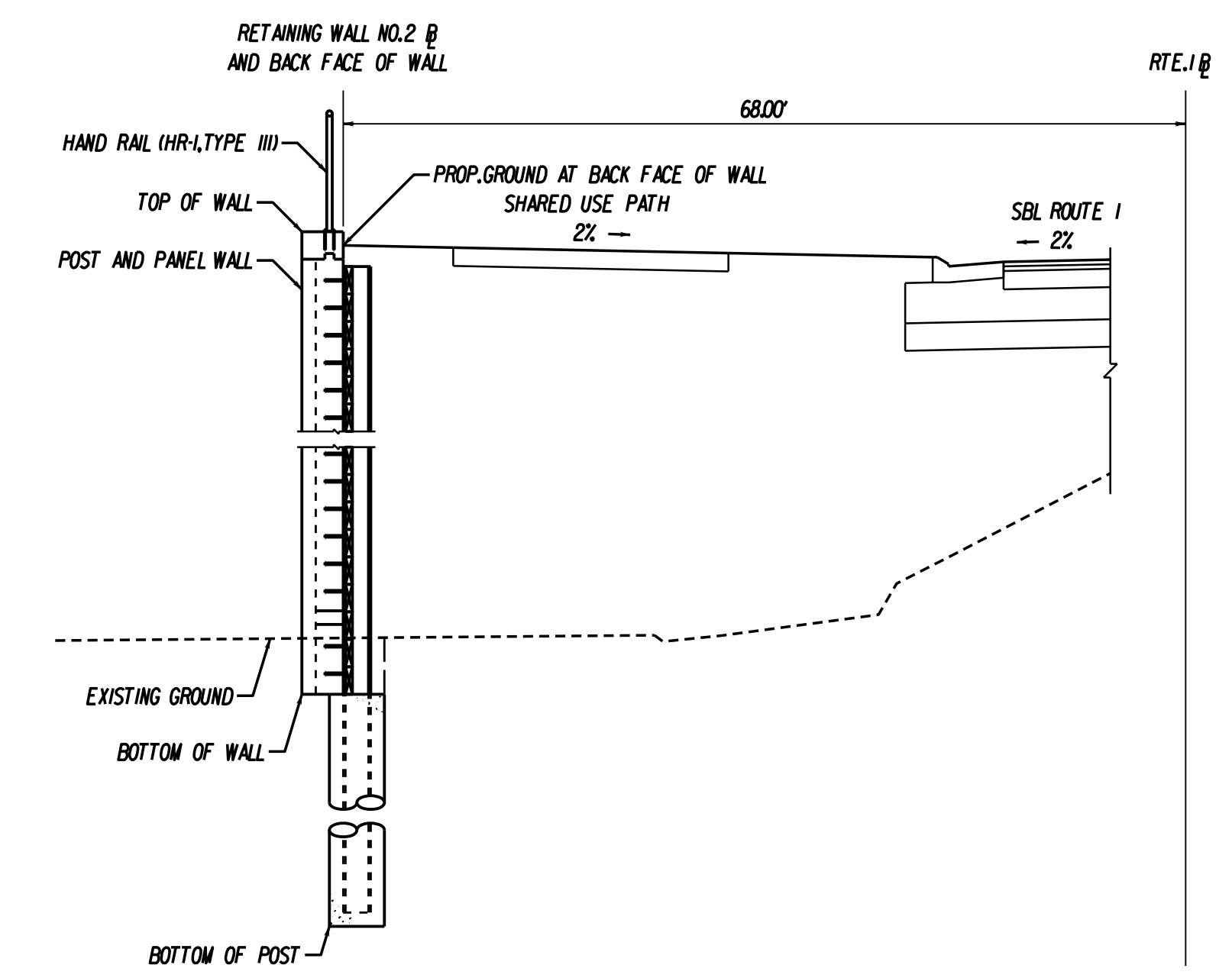
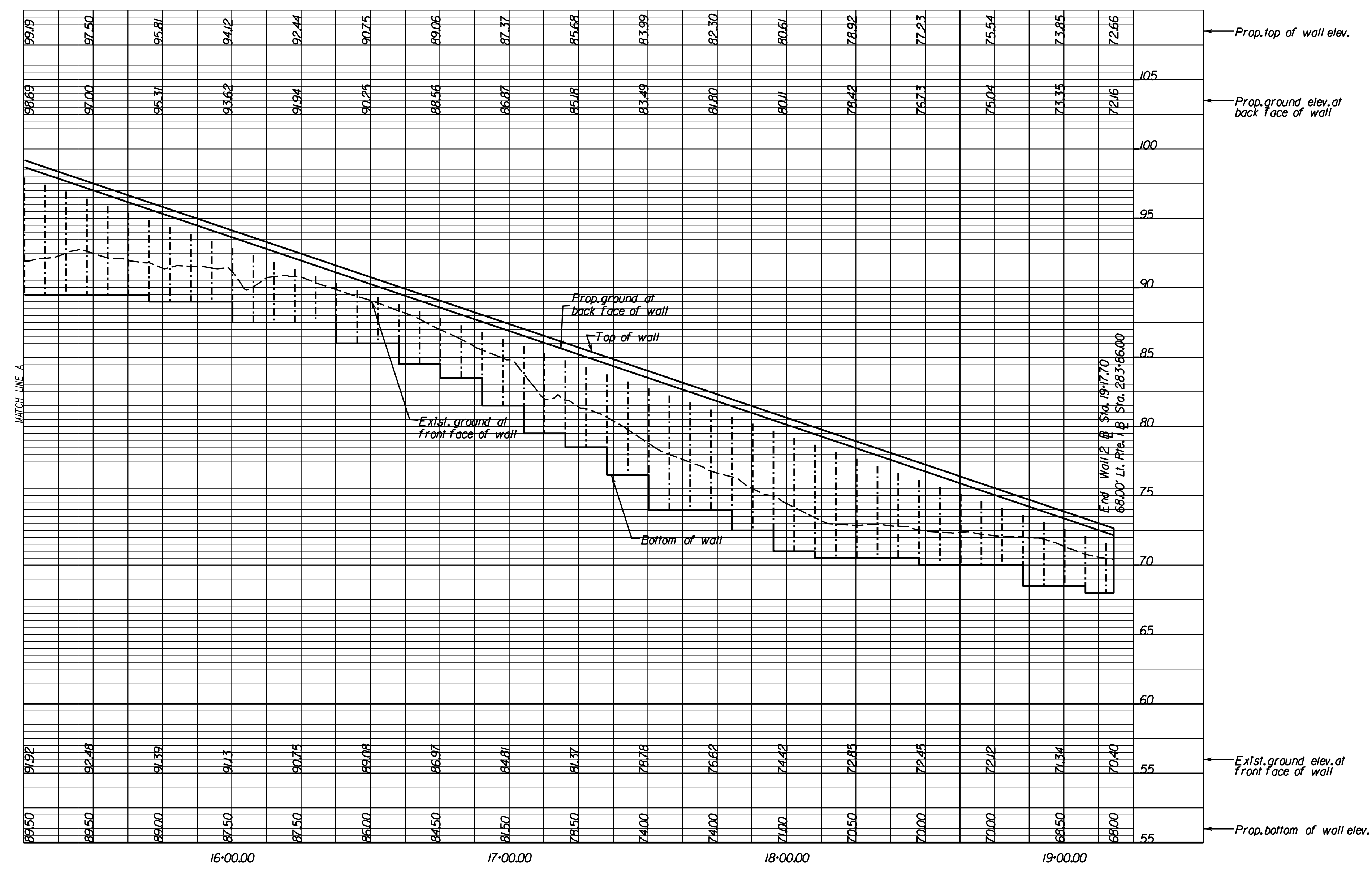
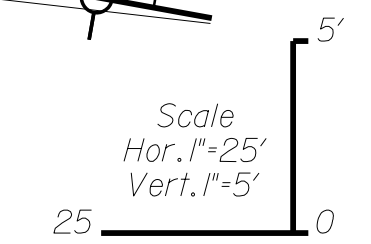
Johnson, Mirmiran & Thompson  
Richmond, Virginia  
STRUCTURAL ENGINEER



RETAINING WALL NO.2 PLAN VIEW



RETAINING WALL NO.2 PROFILE VIEW



RETAINING WALL NO.2 TYPICAL SECTION  
STATION 15+25.00 TO STATION 19+77.70  
Not to scale



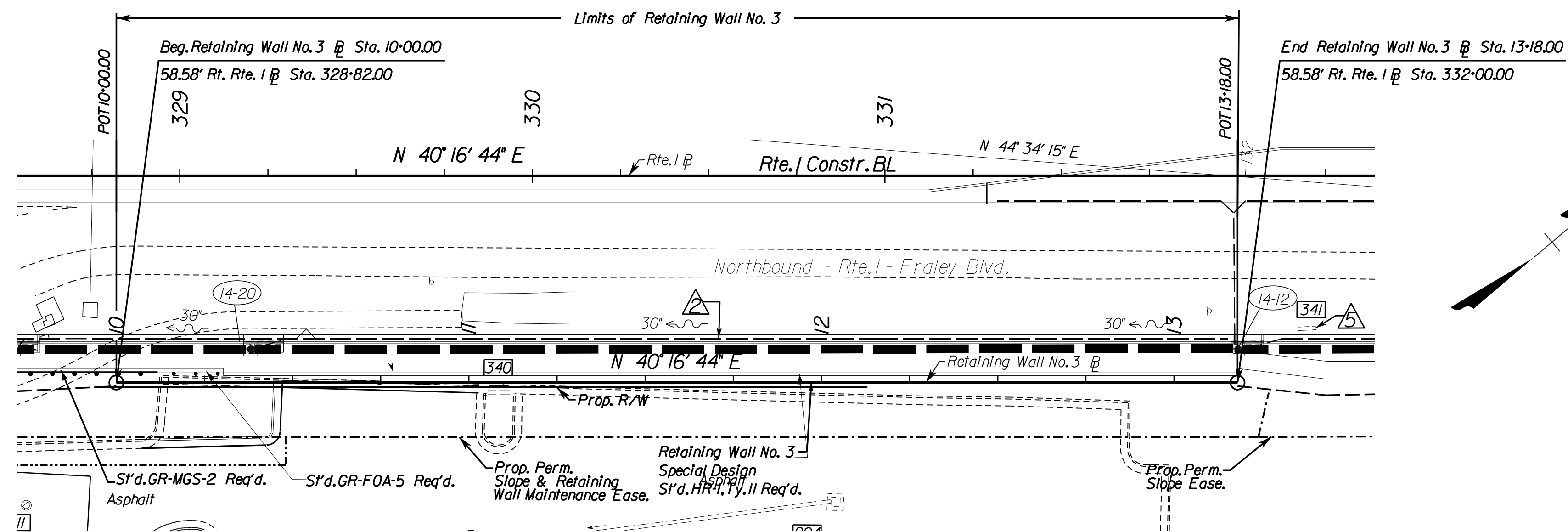
PROJECT MANAGER: Susie Lue, PE (703)259-2918, NOVA District  
 SURVEYED BY, DATE: Leon E. Icaulte, L.S. (703)259-3224, 7/12/13  
 DESIGN BY: JMJ, Engineering, (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE: Leon E. Icaulte, L.S. (703)259-3224, 7/12/13

# RETAINING WALL NO.3

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1	0001-212-249, RW-201, C-501	2K(3)

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

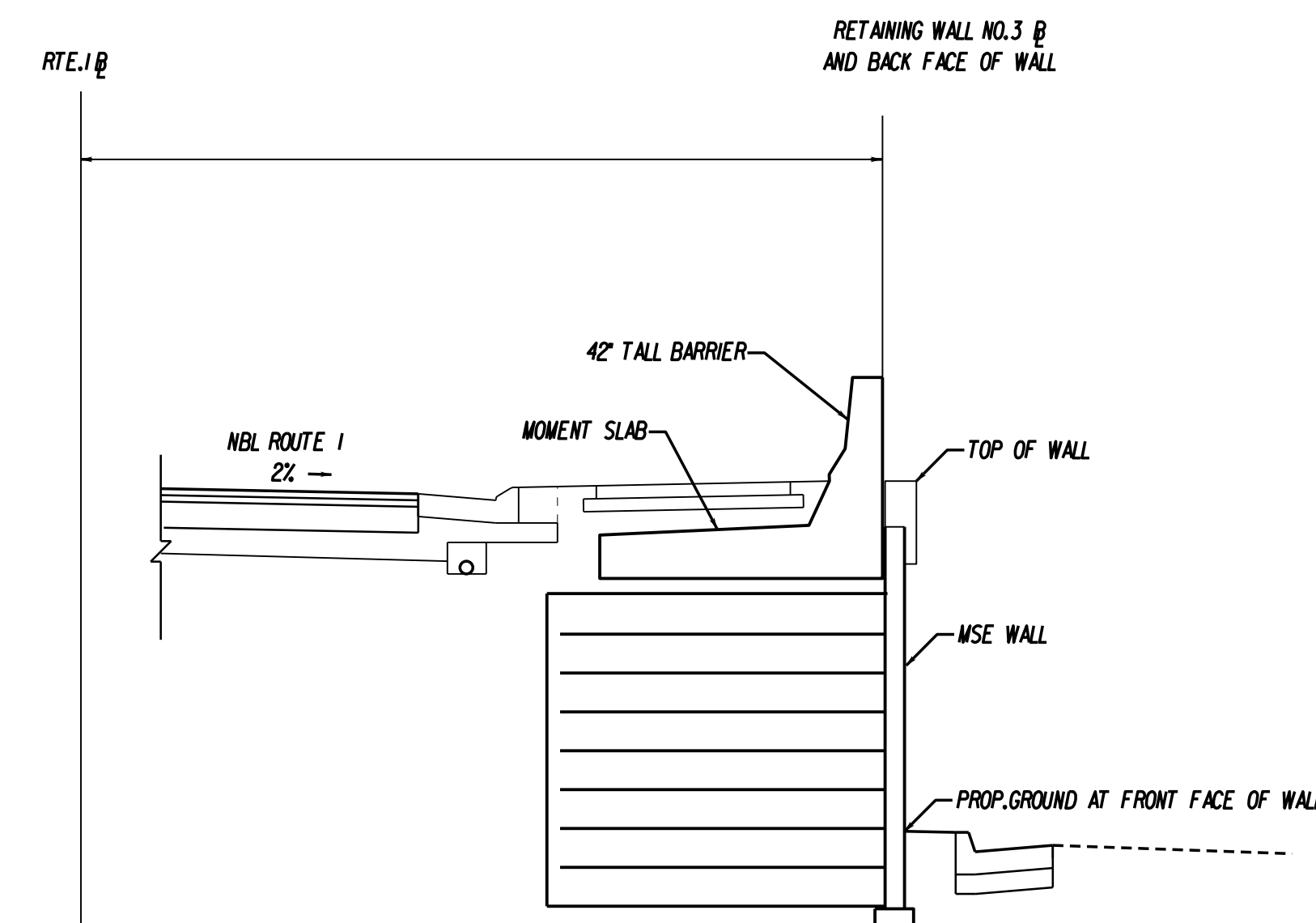
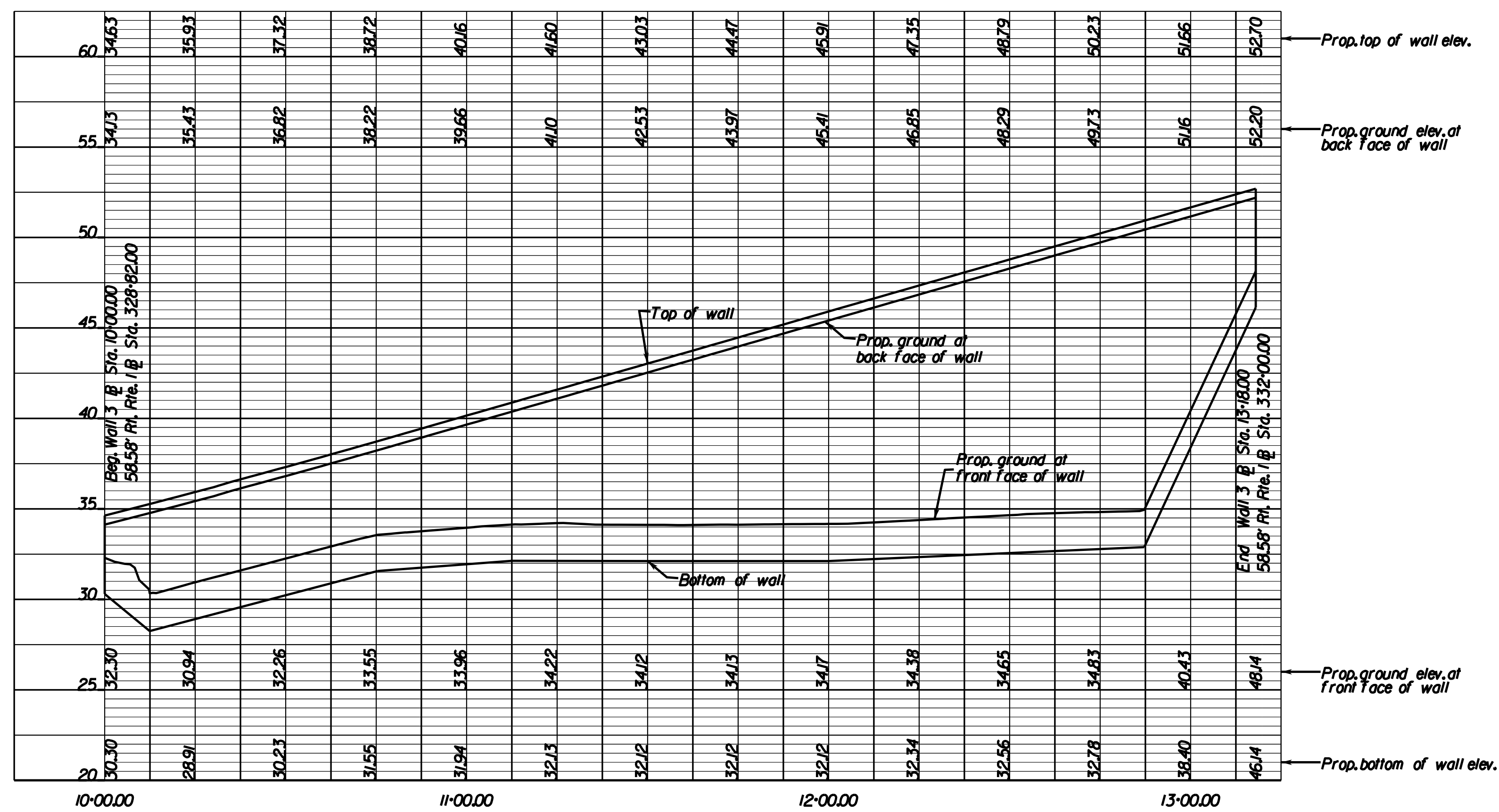
Johnson, Mirmiran & Thompson  
Richmond, Virginia  
STRUCTURAL ENGINEER



RETAINING WALL NO.3 PLAN VIEW



RETAINING WALL NO.3 PROFILE VIEW



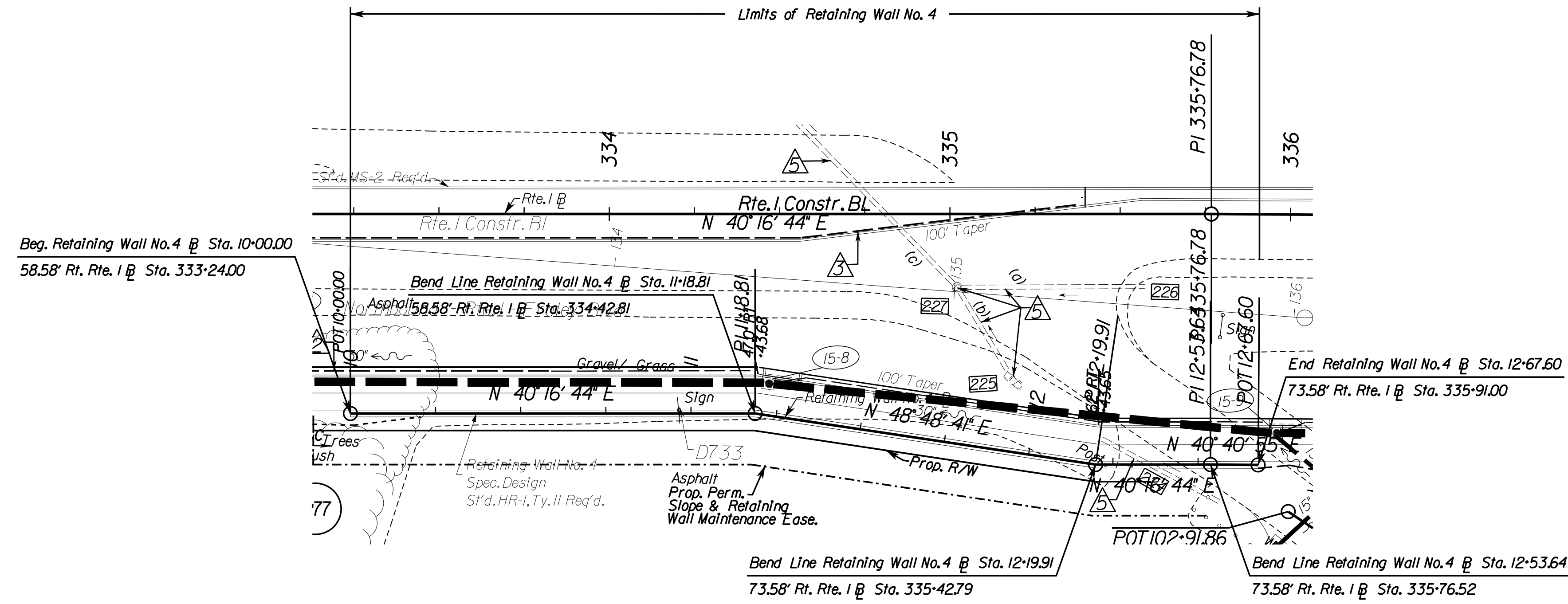
RETAINING WALL NO.3 TYPICAL SECTION

Not to scale

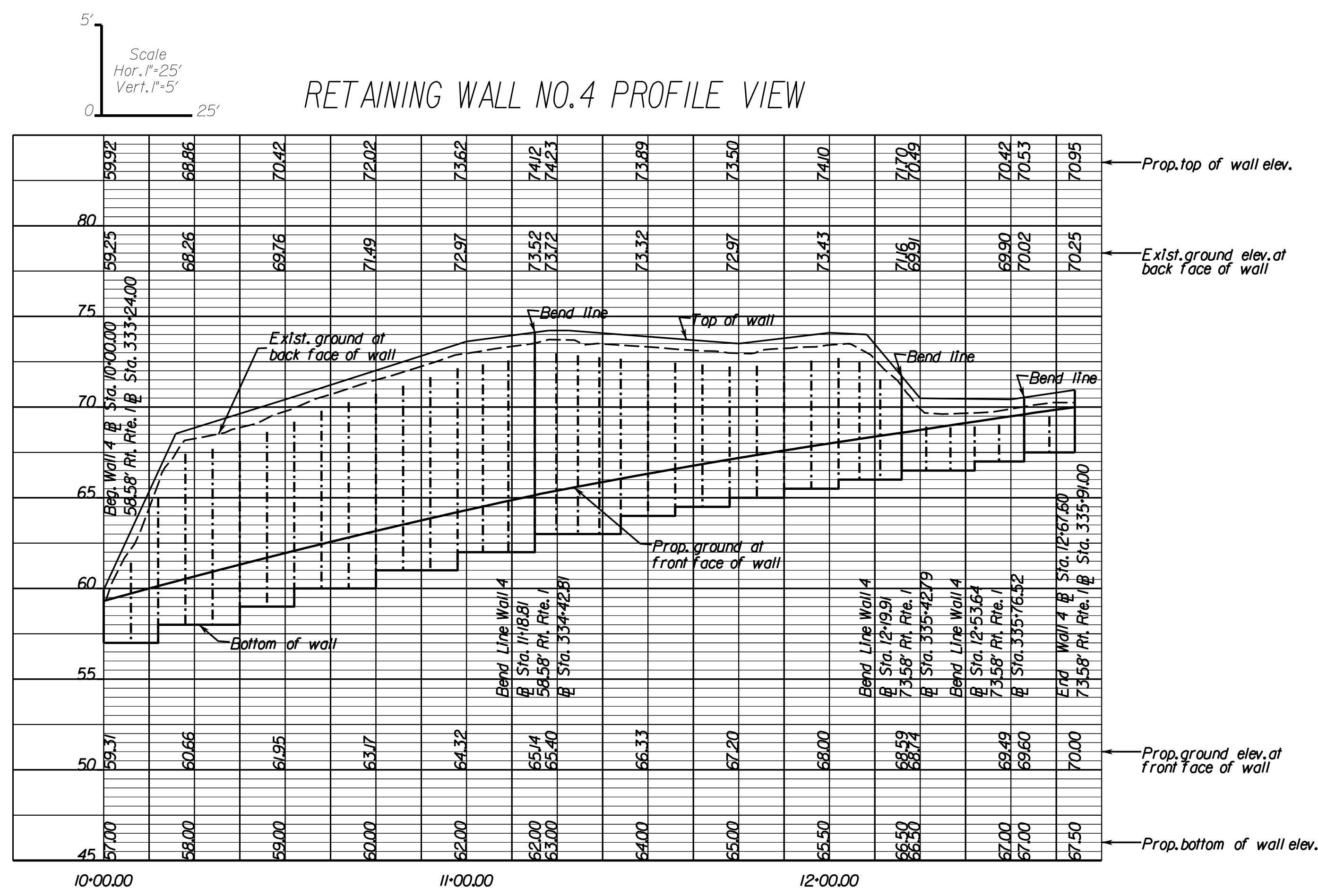
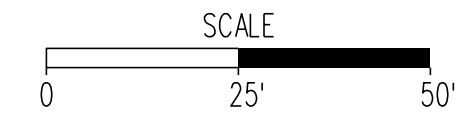
PROJECT MANAGER: Susie\_Lue, PE (703)259-2918, NOVA District  
 SURVEYED BY, DATE: Leon\_E. Treutle, L.S. (703)259-3224, 7/12/13  
 DESIGN BY: JMJ\_Engineering, (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE: Leon\_E. Treutle, L.S. (703)259-3224, 7/12/13

### RETAINING WALL NO.4

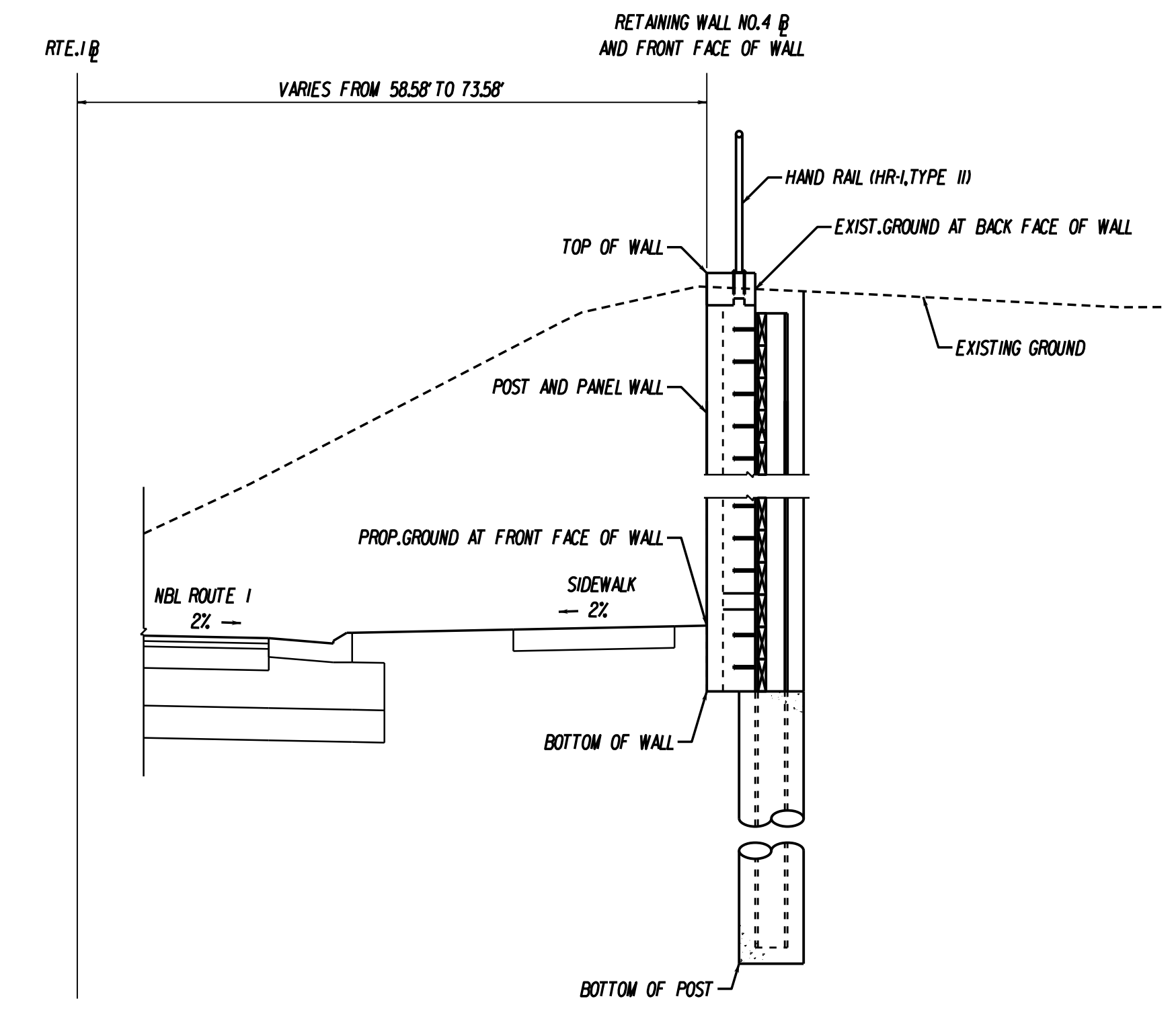
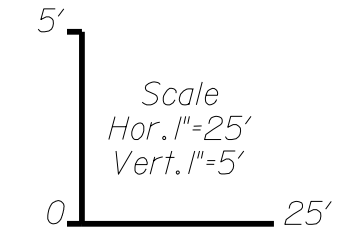
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201,C-501	2K(4)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Richmond, Virginia STRUCTURAL ENGINEER				



RETAINING WALL NO.4 PLAN VIEW



RETAINING WALL NO.4 PROFILE VIEW



RETAINING WALL NO.4 TYPICAL SECTION  
Not to scale



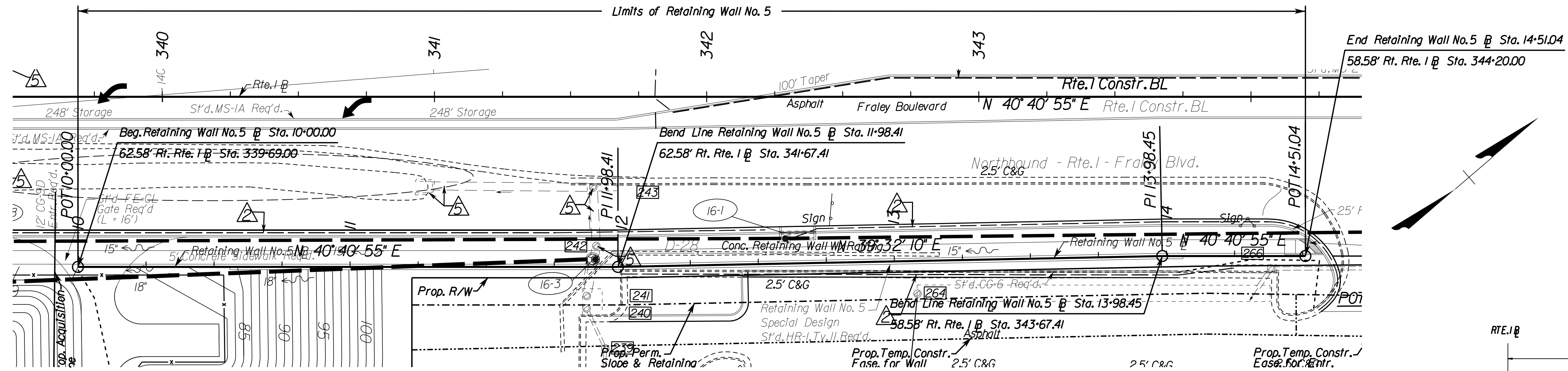
PROJECT MANAGER: Susie\_Lue, PE (703)259-2918, NOVA District  
 SURVEYED BY, DATE: Leon\_E. Icaulte, L.S. (703)259-3224, 7/12/13  
 DESIGN BY: JMJ\_Engineering, (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE: Leon\_E. Icaulte, L.S. (703)259-3224, 7/12/13

# RETAINING WALL NO.5

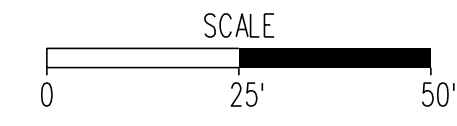
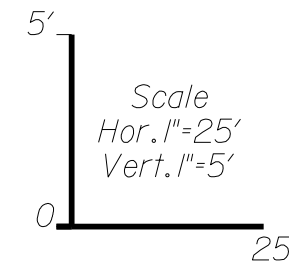
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	2K(5)

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

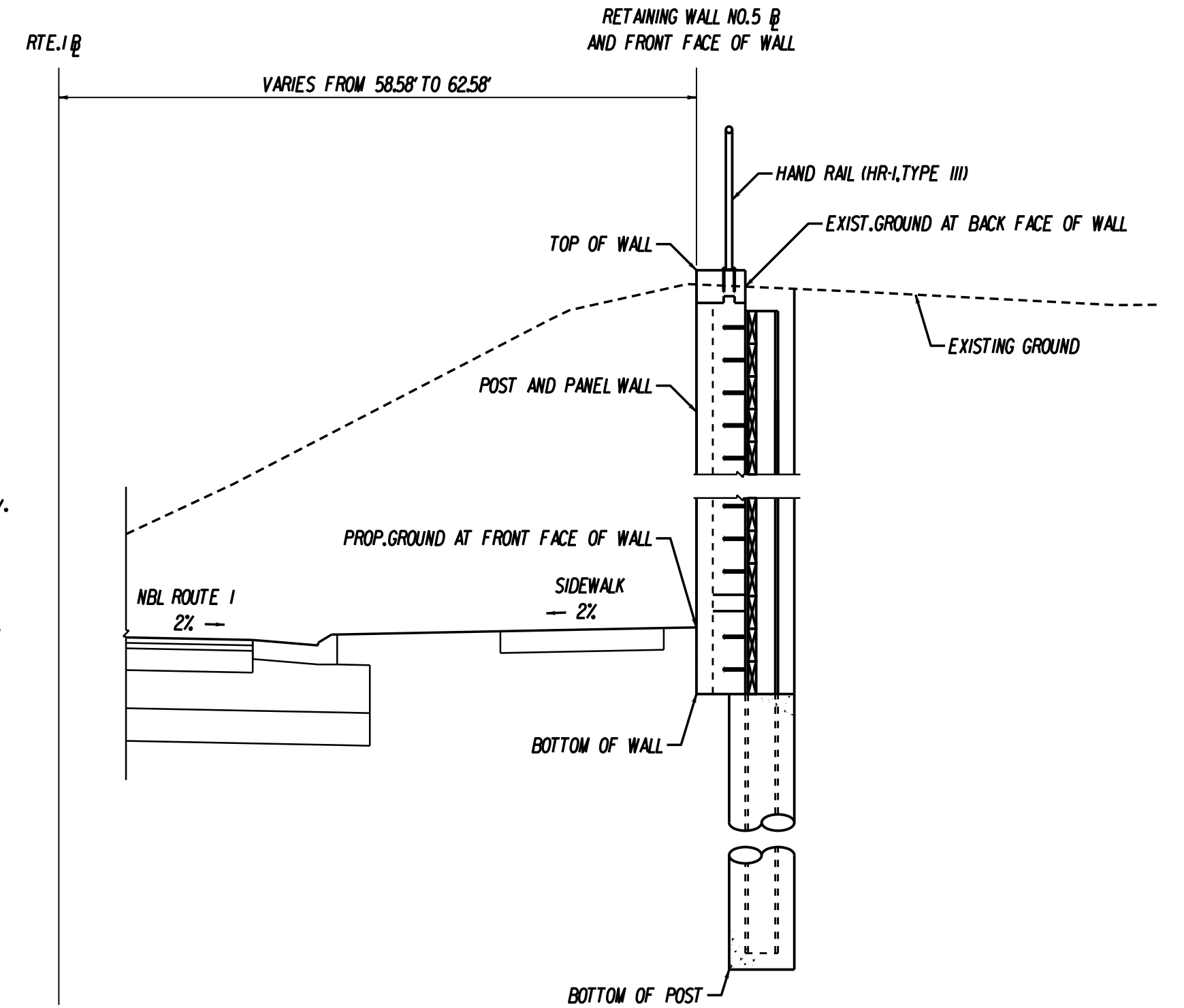
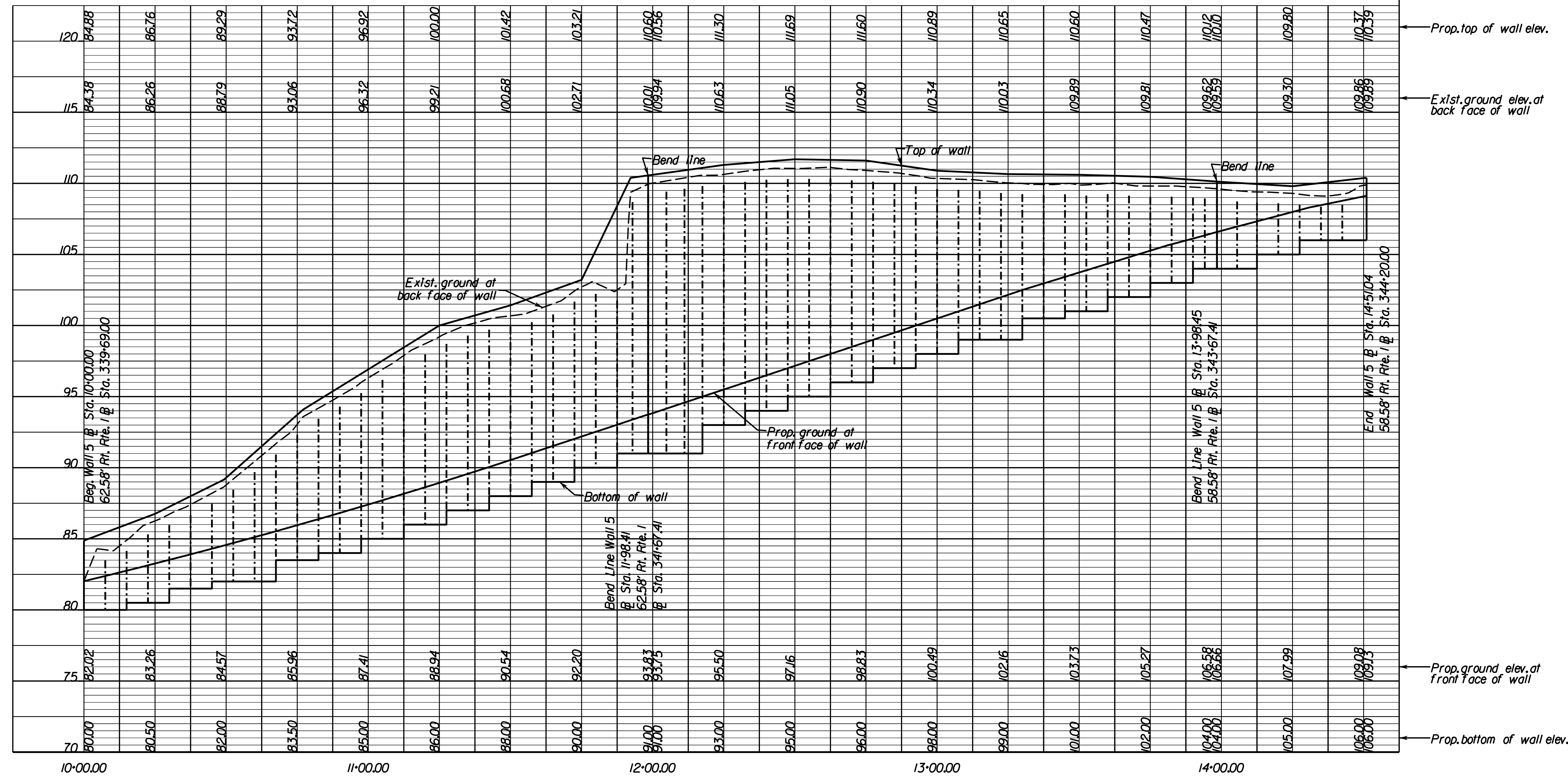
Johnson, Mirmiran & Thompson  
Richmond, Virginia  
STRUCTURAL ENGINEER



RETAINING WALL NO.5 PLAN VIEW



RETAINING WALL NO.5 PROFILE VIEW



RETAINING WALL NO.5 TYPICAL SECTION  
Not to scale



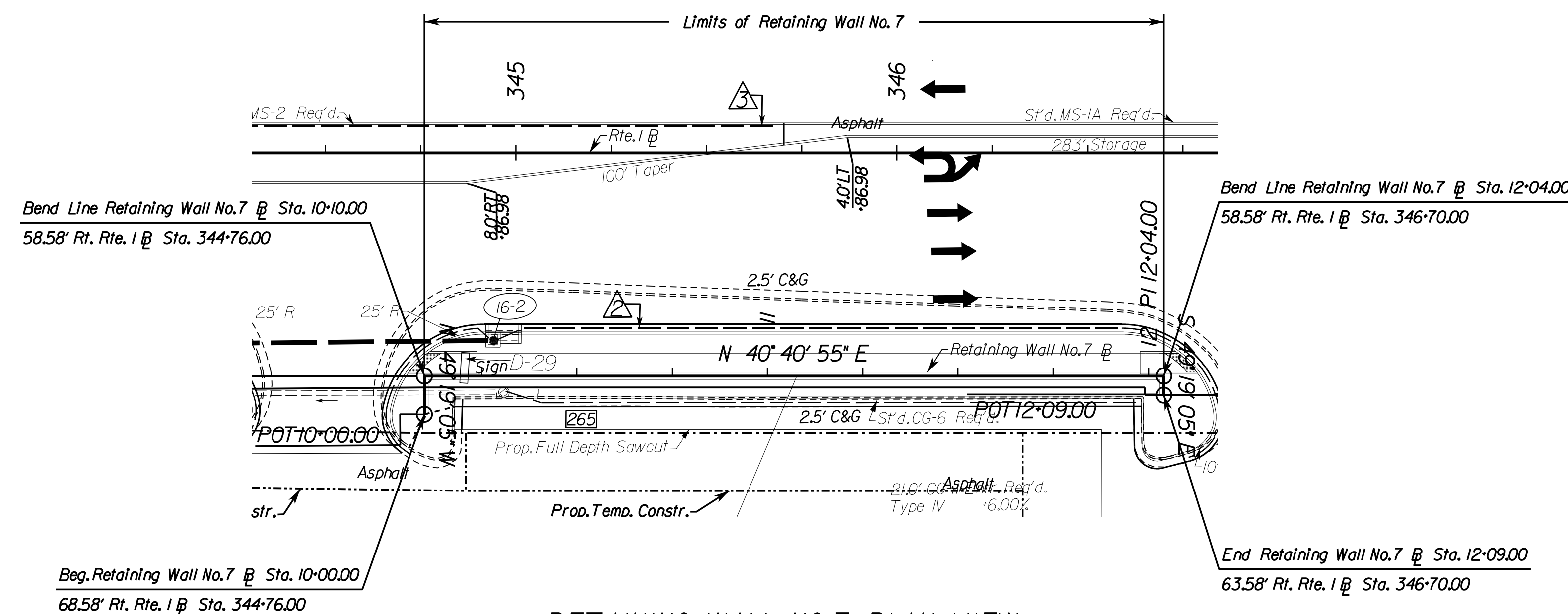
PROJECT MANAGER: Susie Lue, PE (703)259-2918, NOVA District  
 SURVEYED BY, DATE: Leon E. Jreutle, L.S. (703)259-3224, 7/12/13  
 DESIGN BY: JMJ, Engineering, (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE: Leon E. Jreutle, L.S. (703)259-3224, 7/12/13

# RETAINING WALL NO.7

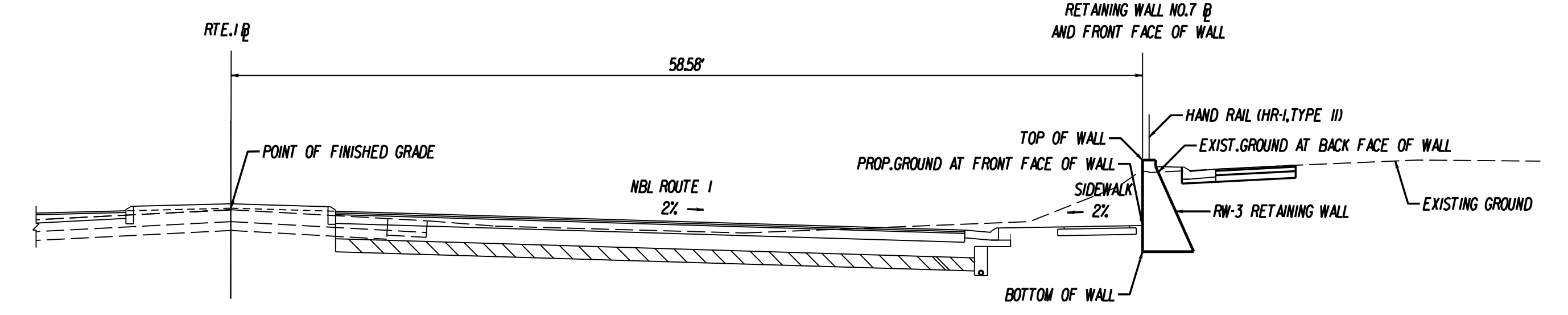
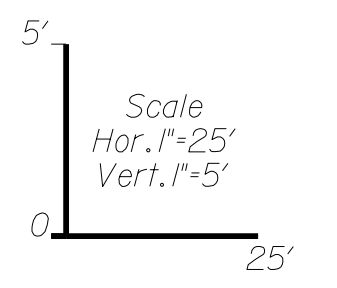
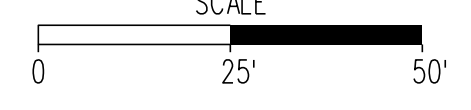
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	2K(7)

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

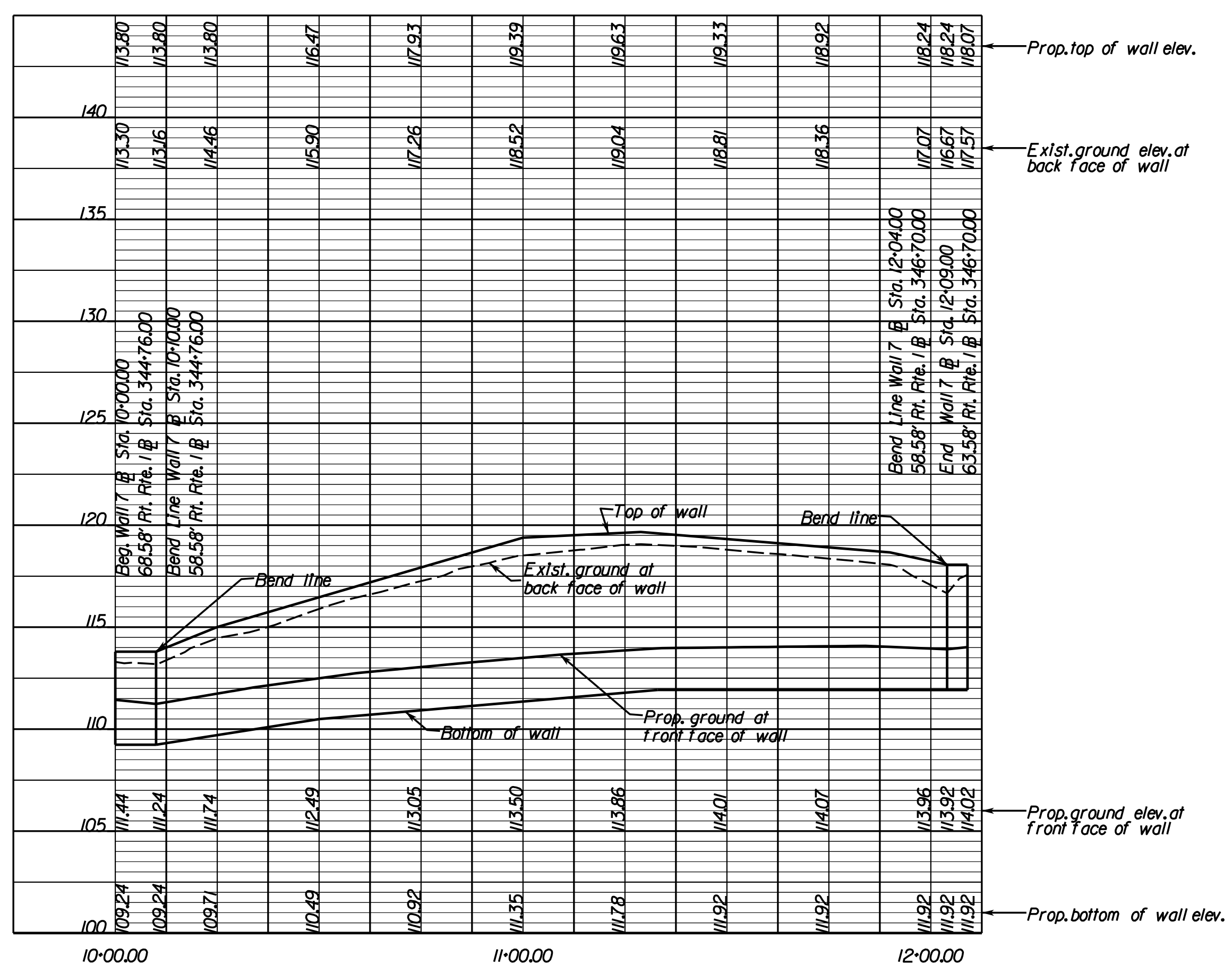
Johnson, Mirmiran & Thompson  
 Richmond, Virginia  
 STRUCTURAL ENGINEER



RETAINING WALL NO.7 PLAN VIEW



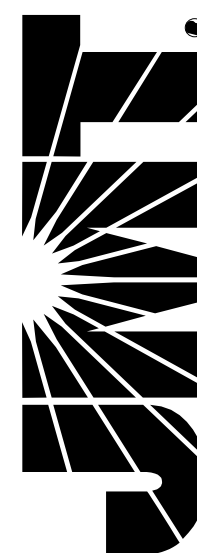
RETAINING WALL NO.7 TYPICAL SECTION  
 Not to scale







**JOHNSON, MIRIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER: *Headroom Nguyen, P.E. (703) 792-8161 PWC, Dept. of Transportation*  
SURVEYED BY, DATE: *Leon E. Treutle, LS (703) 259-3224 7/17/13*  
DESIGN BY: *JMT, Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS (703) 259-3224 7/17/13*

**Utility Owners**  
Water/Sewer: Prince William County Service Authority  
Contact: Butch Rogers  
Telephone: 703-609-8097  
Gas: Columbia Gas  
Contact: Utilquest  
Telephone: 703-754-2116  
Telephone: Verizon  
Contact: Utilquest  
Telephone: 703-754-2116  
Electric: Dominion Energy  
Contact: Utilquest  
Telephone: 703-754-2116  
Cable: Comcast Communications  
Contact: Cable Protection Services  
Telephone: 804-562-3861

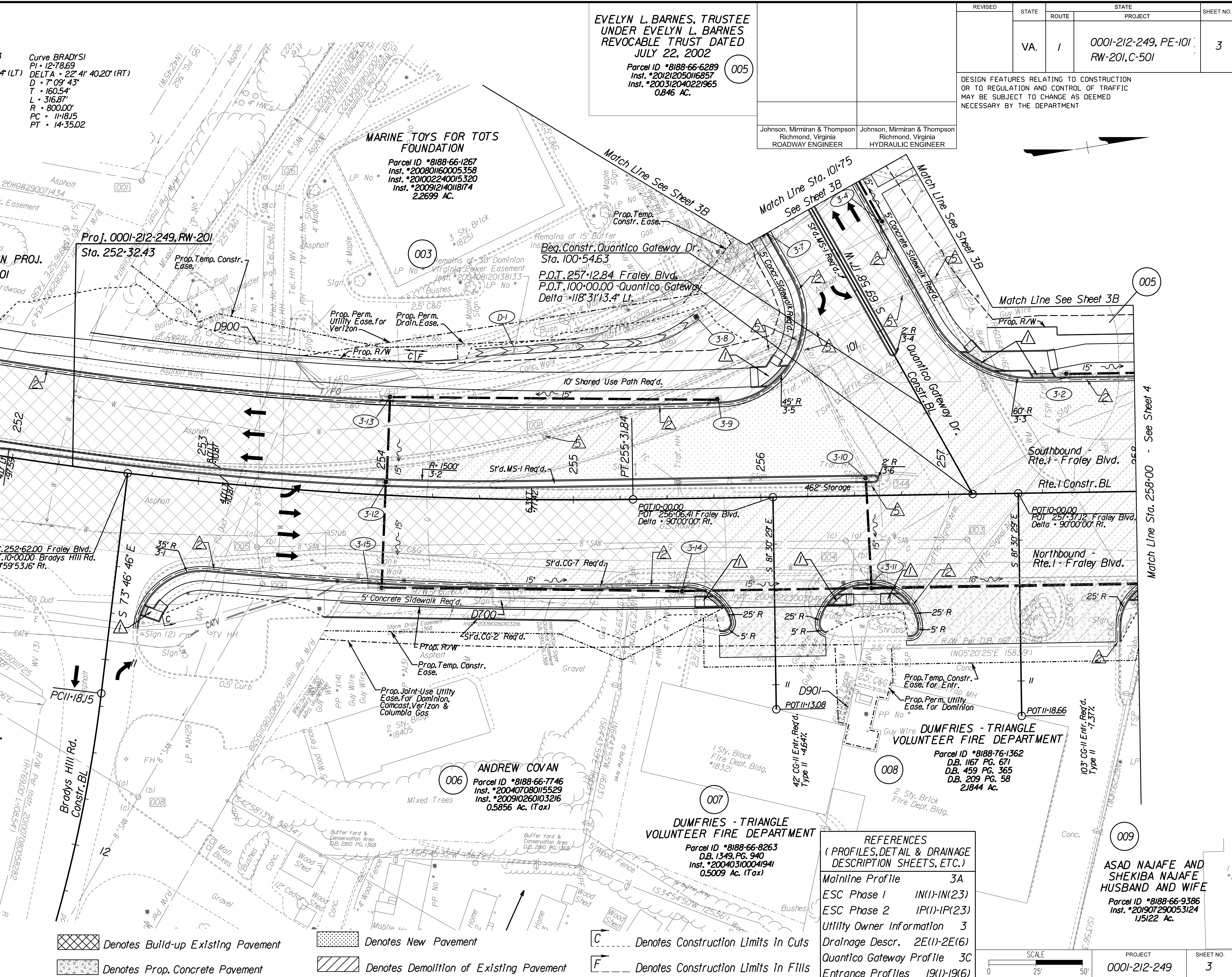
**BOARD OF COUNTY SUPERVISORS OF PRINCE WILLIAM COUNTY, VIRGINIA**  
Parcel ID \*8188-66-3901  
Inst. \*201108290071434  
40670 Sq. Ft.  
**BEGIN CONSTR./ BEGIN PROJ.**  
0001-212-249, PE-101, C-501  
STA. 251+78.30

**BOARD OF COUNTY SUPERVISORS OF PRINCE WILLIAM COUNTY, VIRGINIA**  
Parcel ID \*8188-66-8822  
Inst. \*200904030030218  
Inst. \*201012010010218  
Inst. \*201012010010218

**ROBERT J. ZELNICK, TR.**  
Parcel ID \*8188-66-7518  
Inst. \*201502090010206  
Inst. \*201005270045504  
Inst. \*201007080058282  
0.2573 Ac.

**ANDREW COVAN**  
Parcel ID \*8188-66-7746  
Inst. \*200407080015529  
Inst. \*20091026003216  
0.5856 Ac. (Tax)

**DUMFRIES - TRIANGLE VOLUNTEER FIRE DEPARTMENT**  
Parcel ID \*8188-66-8263  
D.B. 1349, PG. 940  
Inst. \*200403100041941  
0.5009 Ac. (Tax)



**EVELYN L. BARNES, TRUSTEE UNDER EVELYN L. BARNES REVOCABLE TRUST DATED JULY 22, 2002**  
Parcel ID \*8188-66-6289  
Inst. \*201212050116857  
Inst. \*20031204021965  
0.846 Ac.

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101, RW-201, C-501	3

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

Johnson, Miriran & Thompson  
Richmond, Virginia  
HYDRAULIC ENGINEER

- Legend:**
- ▲ Denotes CG-12 Curb-Cut Type B Req'd.
  - ▲ Denotes VDOT St'd.UD-4 Req'd.
  - ▲ Denotes VDOT St'd.UD-2 Req'd.
  - ▲ Denotes VDOT St'd.CD-2 Req'd.
  - ▲ Denotes Remove Existing structure/pipes.
  - ▲ Denotes Abandon Existing structure/pipes.
  - ▨ Denotes Build-up Existing Pavement
  - ▨ Denotes New Pavement
  - ▨ Denotes Demolition of Existing Pavement
  - ▨ Denotes Prop. Concrete Pavement
  - ▨ Denotes Construction Limits in Cuts
  - ▨ Denotes Construction Limits in Fills
- Dot - dashed lines denote Permanent Easements  
Dot - dot - dashed lines denote Temporary Easements.

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Mainline Profile	3A
ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(6)
Quantico Gateway Profile	3C
Entrance Profiles	19(1)-19(6)

SCALE: 0 25 50

PROJECT	0001-212-249
SHEET NO.	3

**R/W PLANS**

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





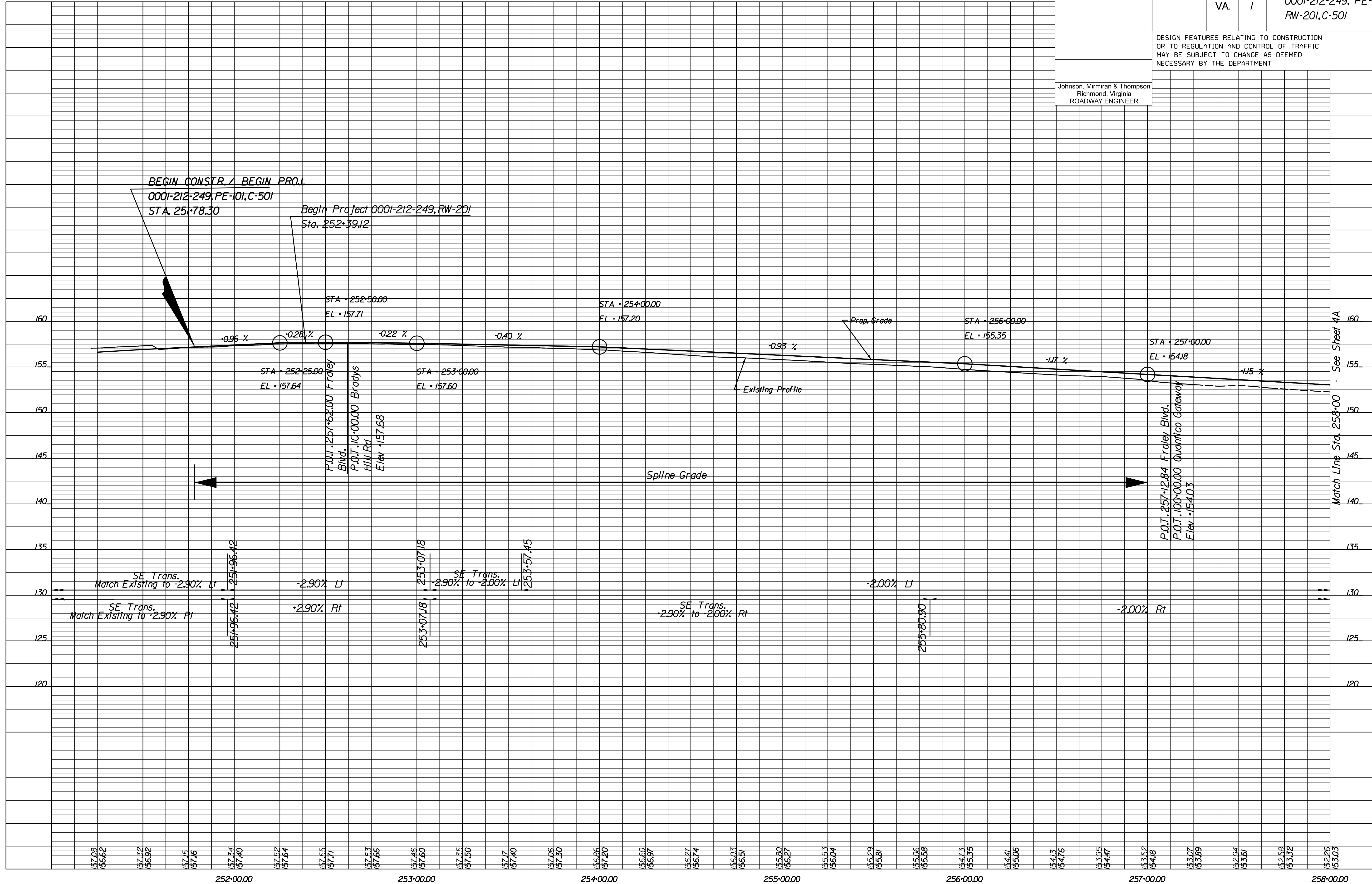
PROJECT MANAGER *Haalim Nguyen, P.E.* (703) 792-8161 PWC, Dept. of Transportation  
 SURVEYED BY, DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/13  
 DESIGN BY *JMT, Englewood, Inc.* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/13

# Route 1 Profile

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	1	0001-212-249, PE-101 RW-201, C-501	3A

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER



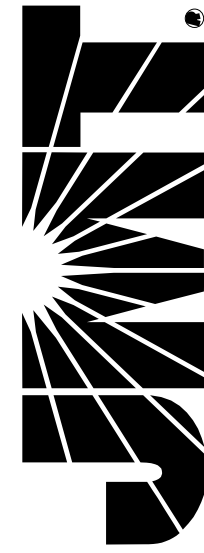
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1" = 25' (HOR.),  
1" = 5' (VERT.)  
PROJECT 0001-212-249  
SHEET NO. 3A

R/W PLANS

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

**JOHNSON, MIRIMIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER: *Huong Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY: DATE *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13  
DESIGN BY: *JMT Engineering* (804) 323-9900  
SUBSURFACE UTILITY BY: DATE *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13

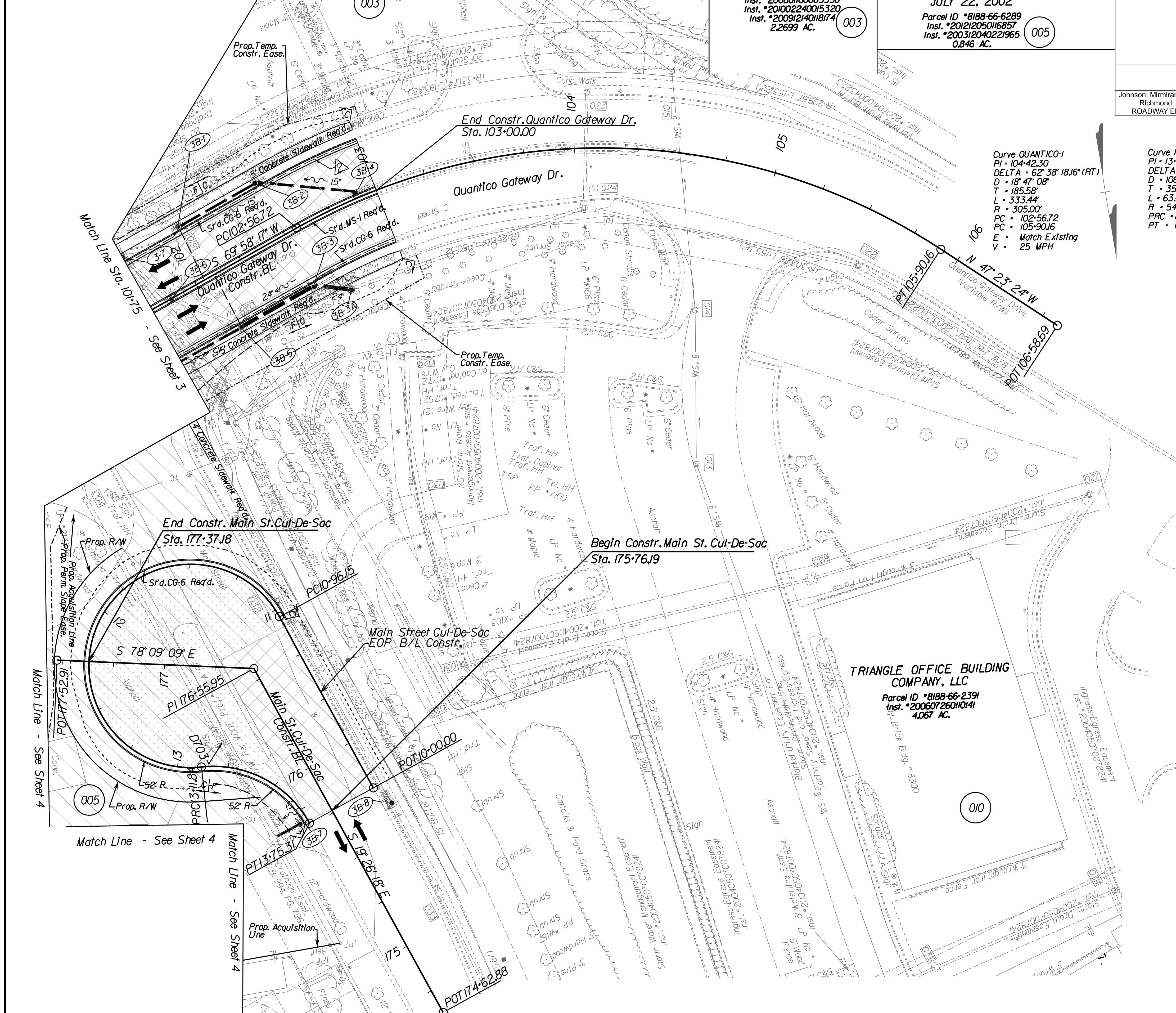
**MARINE TOYS FOR TOYS FOUNDATION**  
Parcel ID \*8188-66-1267  
Inst. \*20080160005358  
Inst. \*201002240015320  
Inst. \*20091214018174  
2.2699 AC.

**EVELYN L. BARNES, TRUSTEE UNDER EVELYN L. BARNES REVOCABLE TRUST DATED JULY 22, 2002**  
Parcel ID \*8188-66-6289  
Inst. \*20121050116857  
Inst. \*200312040221965  
0.846 AC.

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	3B

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

Johnson, Mirimiran & Thompson Richmond, Virginia ROADWAY ENGINEER	Johnson, Mirimiran & Thompson Richmond, Virginia HYDRAULIC ENGINEER
---	---



Curve QUANTICO-1  
PI - 104-42.30  
DELTA - 62° 38' 18.16" (RT)  
D - 18' 47" 08"  
T - 185.58'  
L - 333.44'  
R - 305.00'  
PC - 102-56.72  
PT - 105-90.16  
E - Match Existing  
V - 25 MPH

Curve MAINCULEOP-14  
PI - 13-47.81  
DELTA - 67° 20' 39.5" (RT)  
D - 106' 06" 12"  
T - 35.98'  
L - 63.47'  
R - 54.00'  
PC - 13-11.84  
PT - 13-75.31

Curve MAINCULEOP-13  
PI - 11-71.46  
DELTA - 247° 09' 47.49" (LT)  
D - 114' 35" 30"  
T - 75.31'  
L - 215.69'  
R - 50.00'  
PC - 10-96.15  
PT - 13-11.84

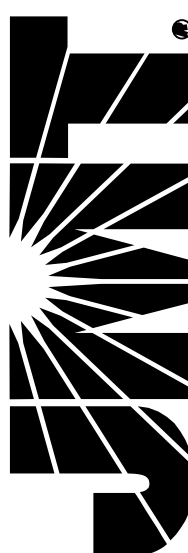
- Legend:**
- △ Denotes CG-12 Curb Cut Type B Req'd.
  - △ Denotes VDOT S'd.UD-4 Req'd.
  - △ Denotes VDOT S'd.UD-2 Req'd.
  - △ Denotes VDOT S'd.CD-2 Req'd.
  - △ Denotes Remove Existing structure/pipes.
  - △ Denotes Abandon Existing structure/pipes.
  - Dot - dashed lines denote Permanent Easements
  - Dot - dot - dashed lines denote Temporary Easements.
  - ▨ Denotes Build-up Existing Pavement
  - ▨ Denotes New Pavement
  - ▨ Denotes Demolition of Existing Pavement
  - C --- Denotes Construction Limits in Cuts
  - F --- Denotes Construction Limits in Fills

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Quantico Gateway Profile	3C
Main Cul-de-sac Profile	3C
Main Cul-de-sac EOP Prof	3C
ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(6)



**JOHNSON, MIRIRAN & THOMPSON**  
 10000 Forearm Parkway  
 Suite 400  
 Richmond, Virginia 23226  
 Phone: (804) 323-9900

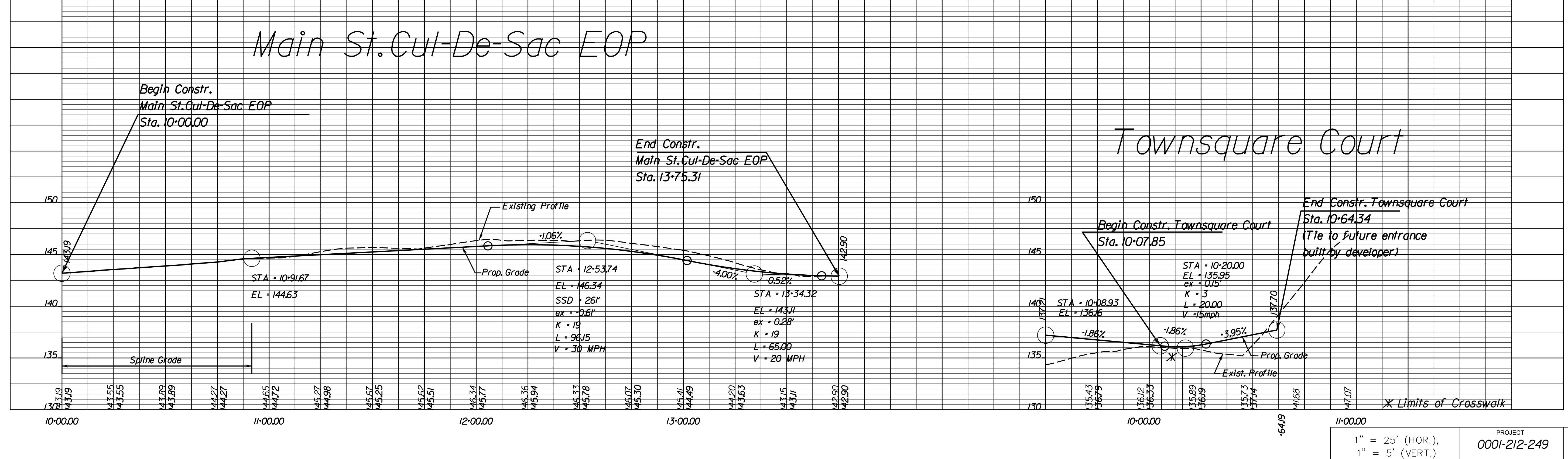
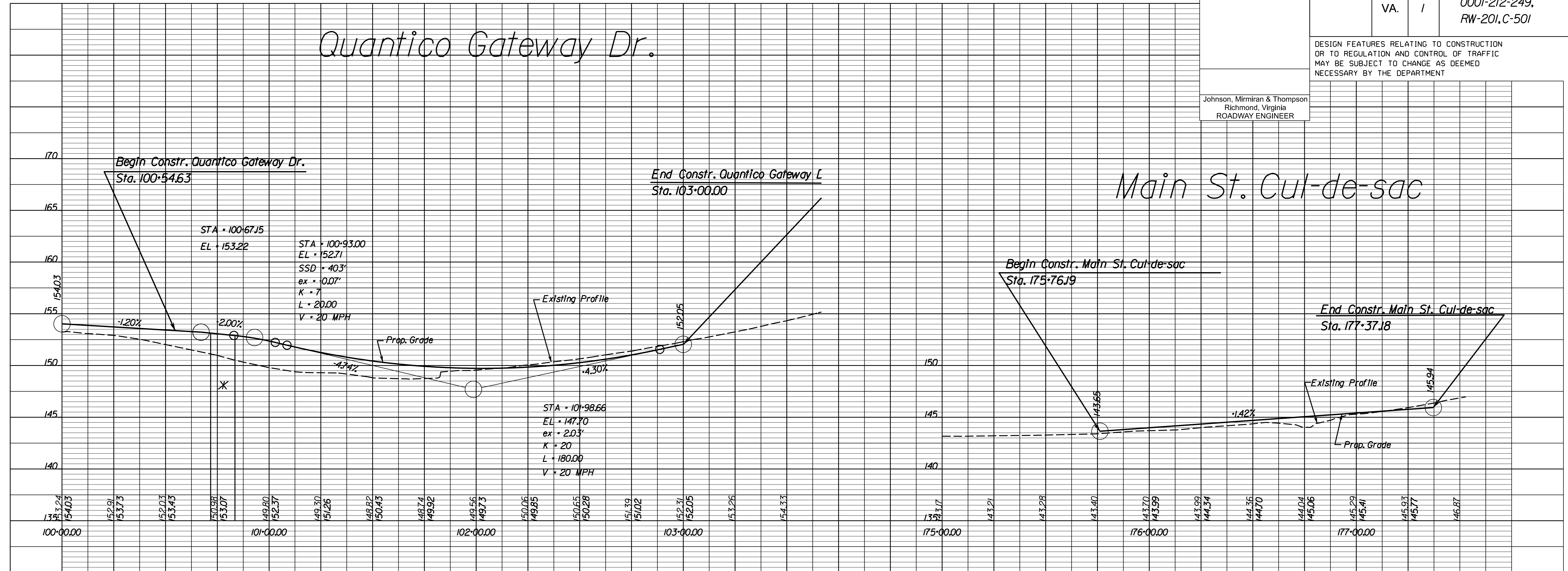


PROJECT MANAGER *Haalim Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY, DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/23  
 DESIGN BY *JMT, Englewood, 1804* 323-9900  
 SUBSURFACE UTILITY BY, DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/23

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE		
		1	0001-212-249, RW-201, C-501	3C

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

Johnson, Miriran & Thompson  
 Richmond, Virginia  
 ROADWAY ENGINEER



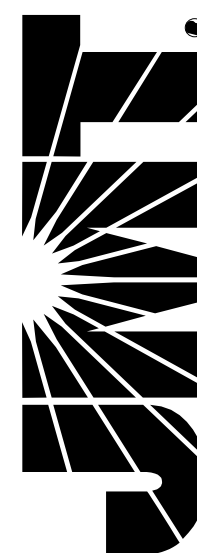
1" = 25' (HOR.)	PROJECT	SHEET NO.
1" = 5' (VERT.)	0001-212-249	3C

R/W PLANS

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



**JOHNSON, MIRIMIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



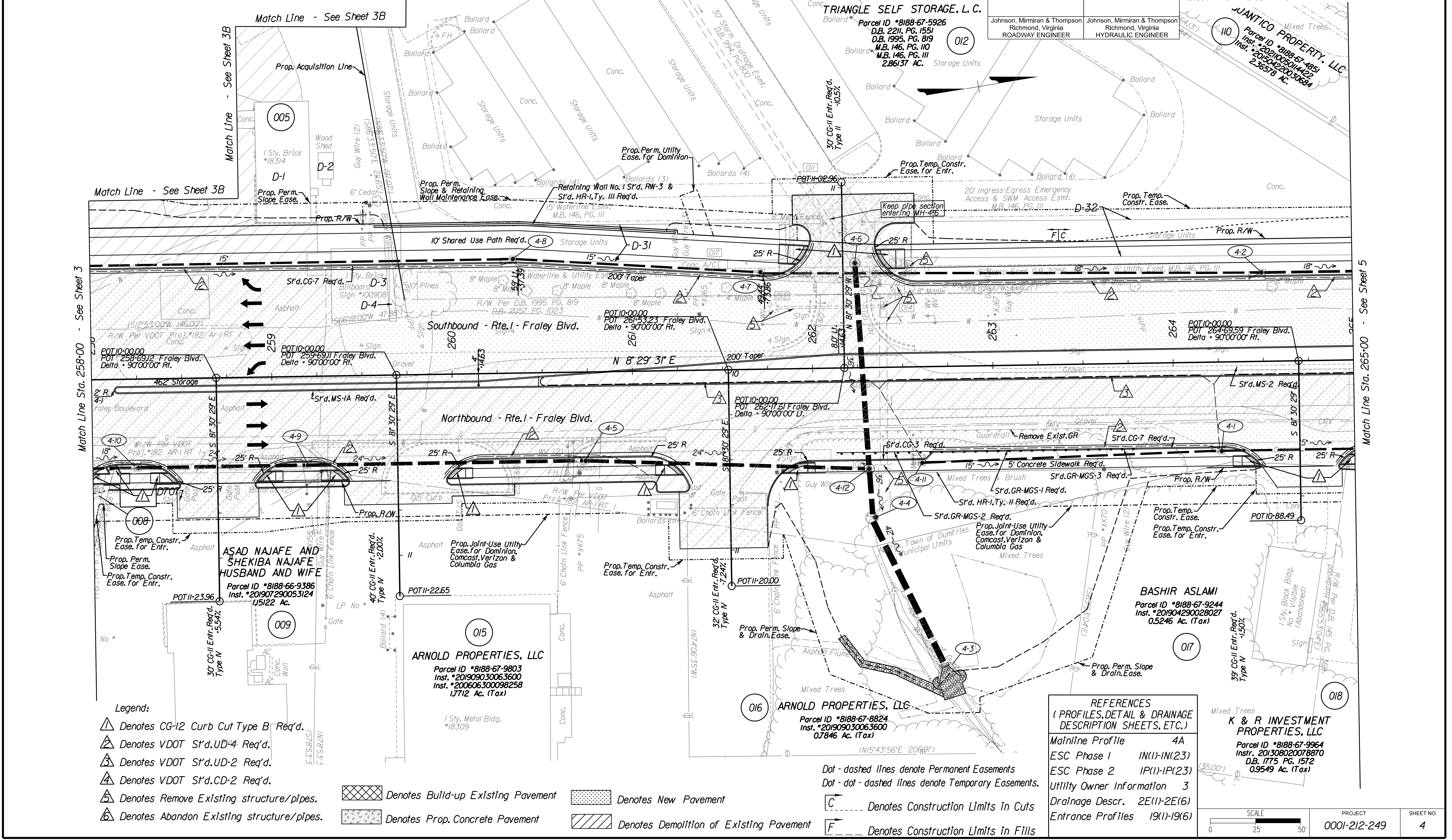
PROJECT MANAGER: *Hoa Lam Nguyen, P.E. (703) 792-8161 PWC, Dept. of Transportation*  
SURVEYED BY, DATE: *Leon E. Treutle, L.S. (703) 259-3224 7/17/13*  
DESIGN BY: *JMT, Engineering, (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, L.S. (703) 259-3224 7/17/13*

**EVELYN L. BARNES, TRUSTEE UNDER EVELYN L. BARNES REVOCABLE TRUST DATED JULY 22, 2002**  
Parcel ID \*8188-66-6289  
Inst. \*20121205016857  
Inst. \*200312040221965  
0.846 Ac. (005)

**DUMFRIES - TRIANGLE VOLUNTEER FIRE DEPARTMENT**  
Parcel ID \*8188-76-1362  
D.B. 1167 PG. 671  
D.B. 459 PG. 365  
D.B. 209 PG. 58  
2.1844 Ac. (008)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	4

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



- Legend:**
- ▲ Denotes CG-12 Curb Cut Type B Req'd.
  - ▲ Denotes VDOT S'd.UD-4 Req'd.
  - ▲ Denotes VDOT S'd.UD-2 Req'd.
  - ▲ Denotes VDOT S'd.CD-2 Req'd.
  - ▲ Denotes Remove Existing structure/pipes.
  - ▲ Denotes Abandon Existing structure/pipes.

- ▨ Denotes Build-up Existing Pavement
- ▨ Denotes New Pavement
- ▨ Denotes Prop. Concrete Pavement
- ▨ Denotes Demolition of Existing Pavement

- - - Denotes Permanent Easements
- · - · Denotes Temporary Easements.
- C --- Denotes Construction Limits in Cuts
- F --- Denotes Construction Limits in Fills

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Mainline Profile	4A
ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(6)
Entrance Profiles	19(1)-19(6)

**K & R INVESTMENT PROPERTIES, LLC**  
Parcel ID \*8188-67-9964  
Instr. 201308020078870  
D.B. 1775 PG. 1572  
0.9549 Ac. (Tax)

SCALE	PROJECT	SHEET NO.
0 25 50	0001-212-249	4

**R/W PLANS**

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



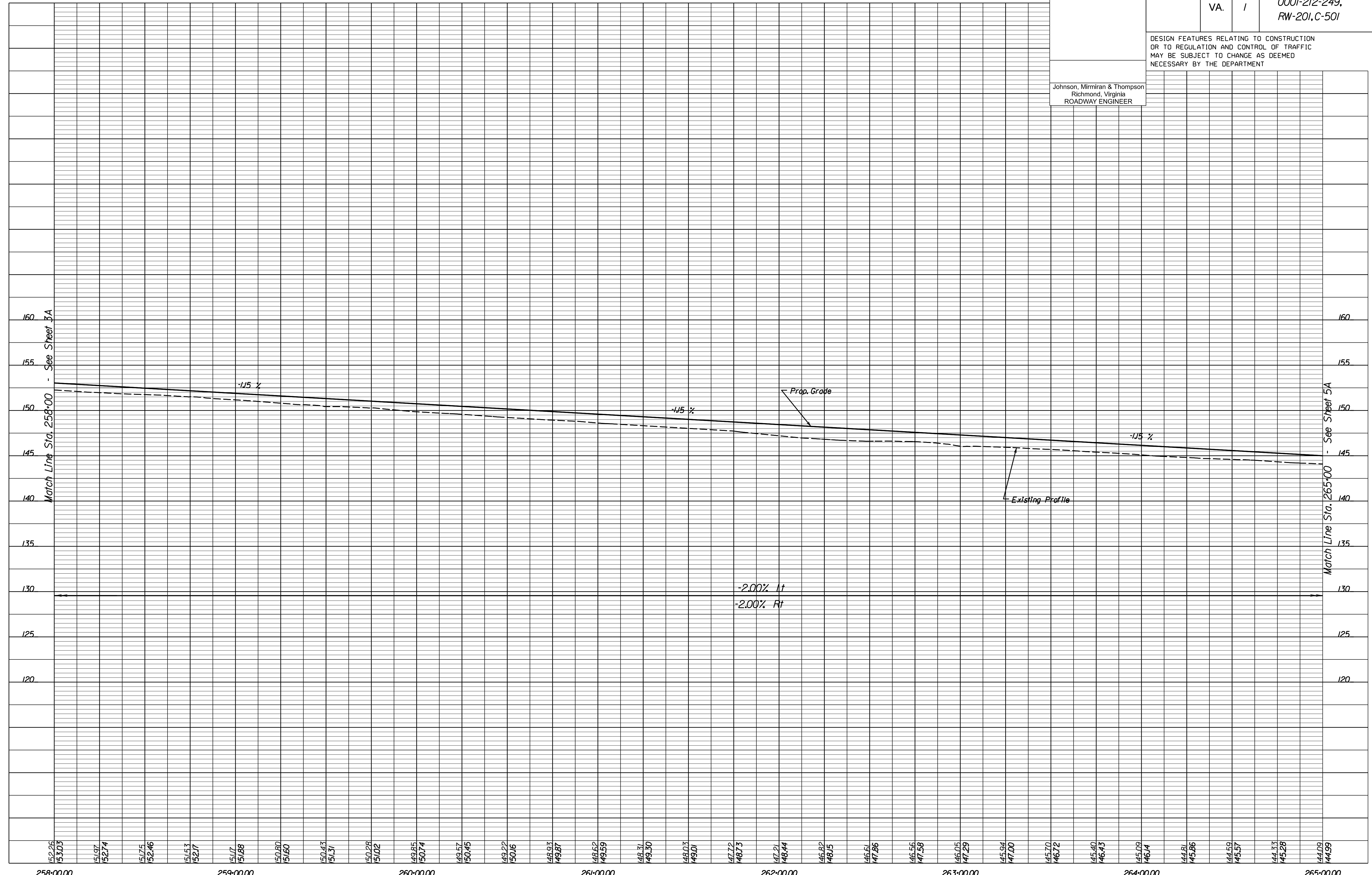
PROJECT MANAGER *Haelm Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY, DATE *Leo E. Treulle, L.S.* (703) 259-3224 7/17/13  
 DESIGN BY *JMT, Engineers/Inc.* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leo E. Treulle, L.S.* (703) 259-3224 7/17/13

# Route 1 Profile

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	1	0001-212-249, RW-201, C-501	4A

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER



152.26 153.03	151.97 152.74	151.75 152.46	151.53 152.17	151.17 151.88	150.80 151.60	150.43 151.31	150.28 151.02	149.85 150.74	149.57 150.45	149.22 150.16	148.93 149.87	148.62 149.59	148.31 149.30	148.03 149.01	147.72 148.73	147.21 148.44	146.82 148.15	146.61 147.86	146.56 147.58	146.05 147.29	145.94 147.00	145.70 146.72	145.40 146.43	145.03 146.14	144.81 145.86	144.53 145.57	144.33 145.28	144.03 144.99
258+00.00				259+00.00				260+00.00				261+00.00			262+00.00				263+00.00				264+00.00				265+00.00	

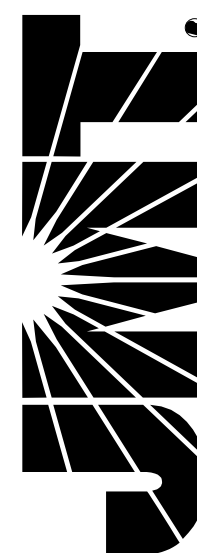
1" = 25' (HOR.),  
1" = 5' (VERT.)  
PROJECT 0001-212-249  
SHEET NO. 4A

R/W PLANS

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



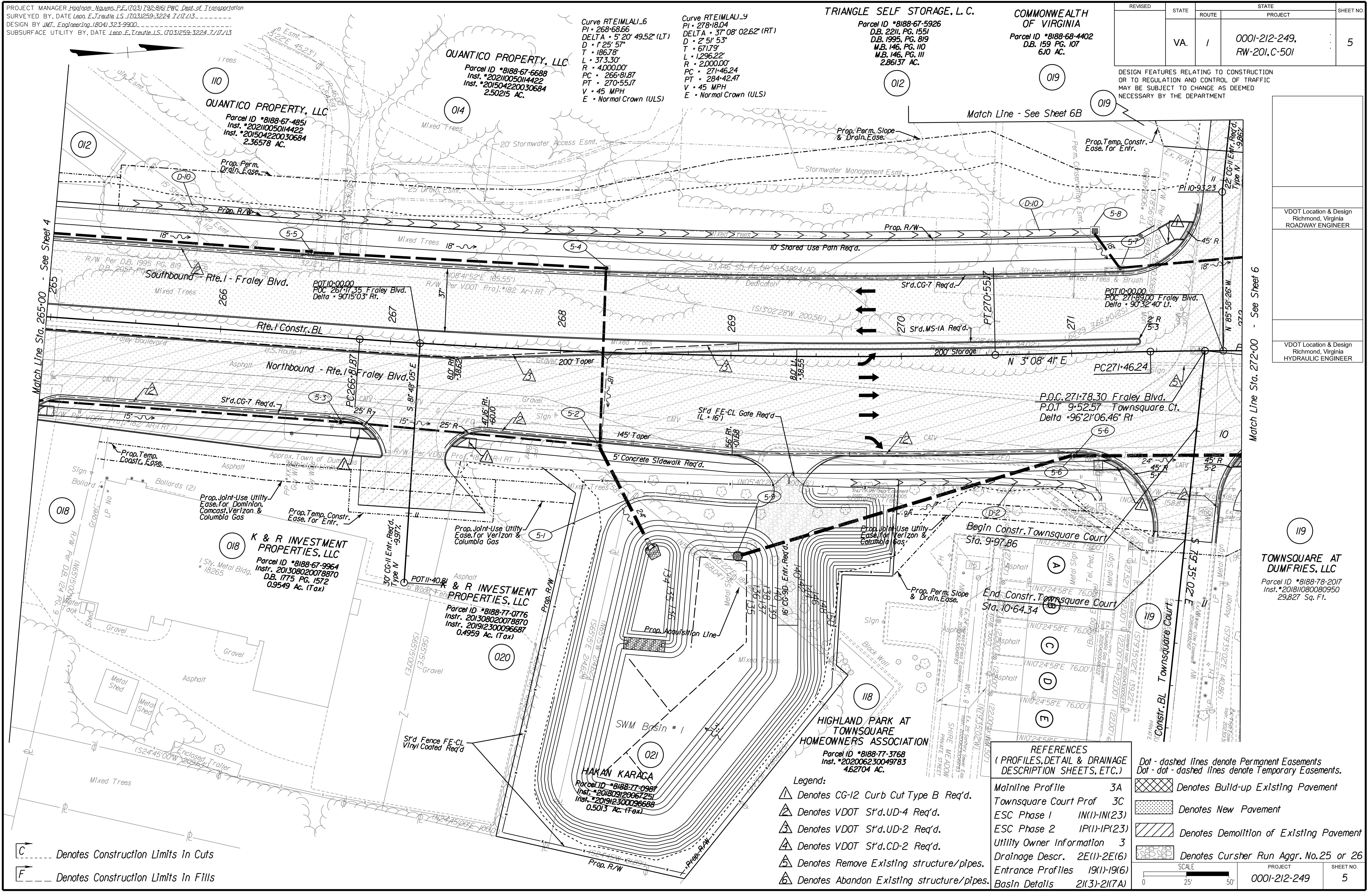
**JOHNSON, MIRAFIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER: *Hadoum Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE: *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13  
DESIGN BY: *JMT Engineering, (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	1		0001-212-249, RW-201,C-501	5

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



Curve RTEIMLAU.6  
PI • 268.6866  
DELTA • 5° 20' 49.52" (LT)  
D • 25' 57"  
T • 186.78'  
L • 373.30'  
R • 4000.00'  
PC • 266.8187  
PT • 270.5517  
V • 45 MPH  
E • Normal Crown (ULS)

Curve RTEIMLAU.9  
PI • 278.1804  
DELTA • 37° 08' 02.62" (RT)  
D • 2' 51' 53"  
T • 671.79'  
L • 1,296.22'  
R • 2,000.00'  
PC • 271.4624  
PT • 284.4247  
V • 45 MPH  
E • Normal Crown (ULS)

**TRIANGLE SELF STORAGE, L.C.**  
Parcel ID \*8188-67-5926  
D.B. 2211, PG. 1551  
D.B. 1995, PG. 819  
M.B. 146, PG. 110  
M.B. 146, PG. 111  
2.86137 AC.

**COMMONWEALTH OF VIRGINIA**  
Parcel ID \*8188-68-4402  
D.B. 159 PG. 107  
6.10 AC.

**QUANTICO PROPERTY, LLC**  
Parcel ID \*8188-67-4851  
Inst. \*20210050114422  
Inst. \*201504220030684  
2.36578 AC.

**QUANTICO PROPERTY, LLC**  
Parcel ID \*8188-67-6688  
Inst. \*20210050114422  
Inst. \*201504220030684  
2.50215 AC.

**K & R INVESTMENT PROPERTIES, LLC**  
Parcel ID \*8188-67-9964  
Inst. 201308020078870  
D.B. 1775 PG. 1572  
0.9549 Ac. (Tax)

**K & R INVESTMENT PROPERTIES, LLC**  
Parcel ID \*8188-77-0776  
Inst. 201308020078870  
Inst. 201912300096687  
0.4959 Ac. (Tax)

**HIGHLAND PARK AT TOWNSQUARE HOMEOWNERS ASSOCIATION**  
Parcel ID \*8188-77-3768  
Inst. \*202006230049783  
4.62704 AC.

**HAKAN KARACA**  
Parcel ID \*8188-77-0987  
Inst. \*201809120067251  
Inst. \*201912300096688  
0.5013 Ac. (Tax)

VDOT Location & Design  
Richmond, Virginia  
ROADWAY ENGINEER

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER

C --- Denotes Construction Limits in Cuts  
F --- Denotes Construction Limits in Fills

- Legend:
- ▲ Denotes CG-12 Curb Cut Type B Req'd.
  - ▲ Denotes VDOT S'd.UD-4 Req'd.
  - ▲ Denotes VDOT S'd.UD-2 Req'd.
  - ▲ Denotes VDOT S'd.CD-2 Req'd.
  - ▲ Denotes Remove Existing structure/pipes.
  - ▲ Denotes Abandon Existing structure/pipes.

REFERENCES  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Mainline Profile	3A
Townsquare Court Prof	3C
ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(16)
Entrance Profiles	19(1)-19(16)
Basin Details	21(3)-21(7A)

- Dot - dashed lines denote Permanent Easements  
Dot - dot - dashed lines denote Temporary Easements.
- ▨ Denotes Build-up Existing Pavement
  - ▨ Denotes New Pavement
  - ▨ Denotes Demolition of Existing Pavement
  - ▨ Denotes Cursher Run Aggr. No.25 or 26

SCALE	PROJECT	SHEET NO.
0 25' 50'	0001-212-249	5

R/W PLANS

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



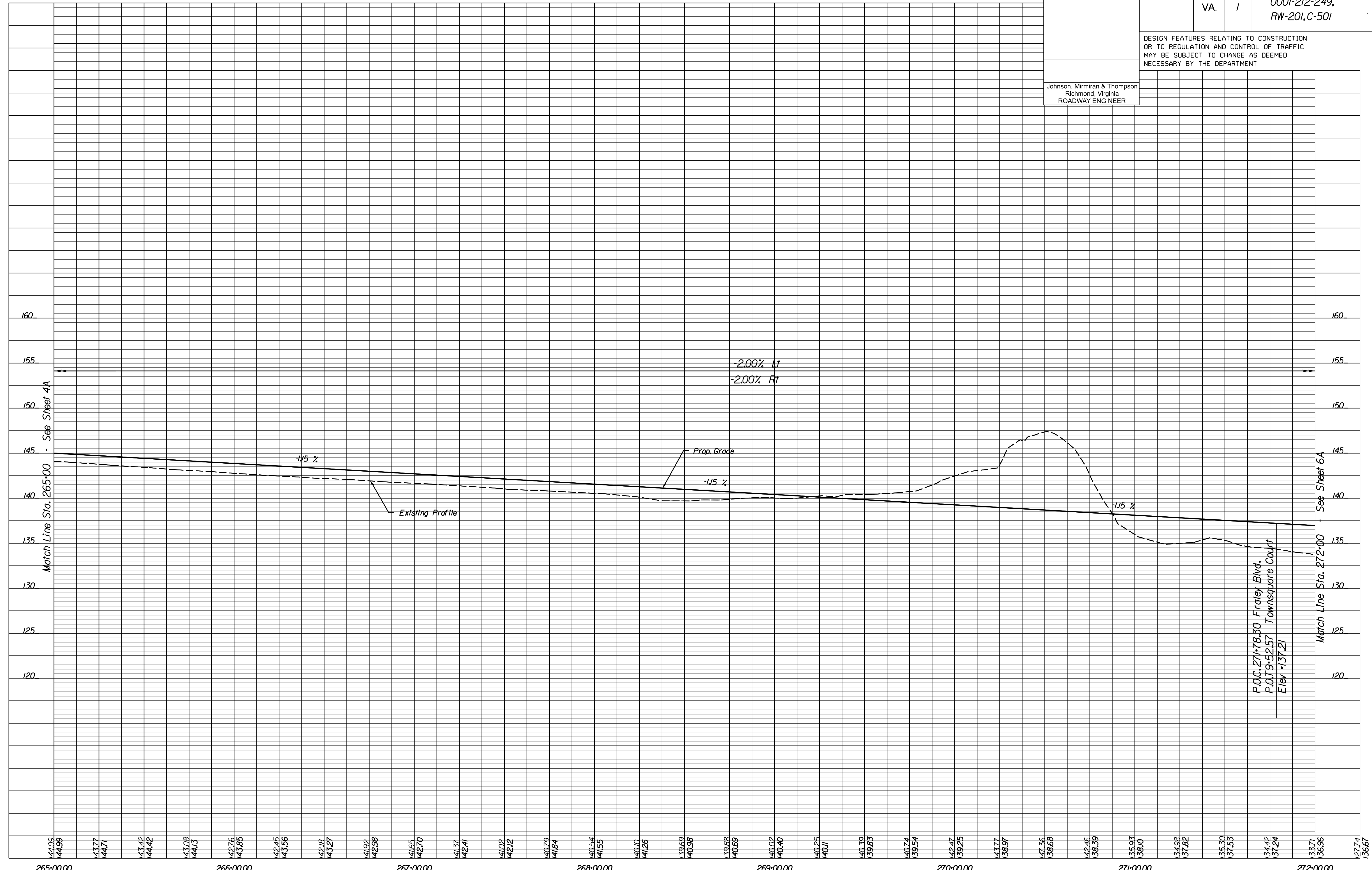
PROJECT MANAGER *HoaNguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY, DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/13  
 DESIGN BY *JMT, Englewood, Inc.* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/13

# Route 1 Profile

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE 1		
			0001-212-249, RW-201, C-501	5A

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER



265+00.00	266+00.00	267+00.00	268+00.00	269+00.00	270+00.00	271+00.00	272+00.00
144.00 144.99	143.77 144.71	143.42 144.42	143.08 144.13	142.76 143.85	142.45 143.56	142.18 143.27	141.92 142.98
			141.65 142.70	141.37 142.41	141.02 142.12	140.79 141.84	140.54 141.55
			140.10 141.26	139.63 140.98	139.88 140.69	140.02 140.40	140.25 140.11
				140.33 139.83	140.74 139.54	142.47 139.25	143.77 138.97
					147.36 138.68	142.46 138.39	135.93 138.10
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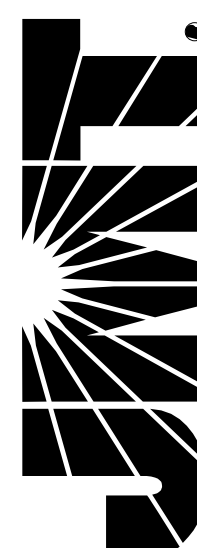
1" = 25' (HOR.),  
1" = 5' (VERT.)  
PROJECT 0001-212-249  
SHEET NO. 5A

R/W PLANS

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**JOHNSON, MIRIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER: *Hoa Lam, Nguyen, P.E. (703) 792-8161 PWC, Dept. of Transportation*  
SURVEYED BY, DATE: *Leon E. Treutle, L.S. (703) 259-3224 7/17/13*  
DESIGN BY: *JMT, Engineering, (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, L.S. (703) 259-3224 7/17/13*

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	6

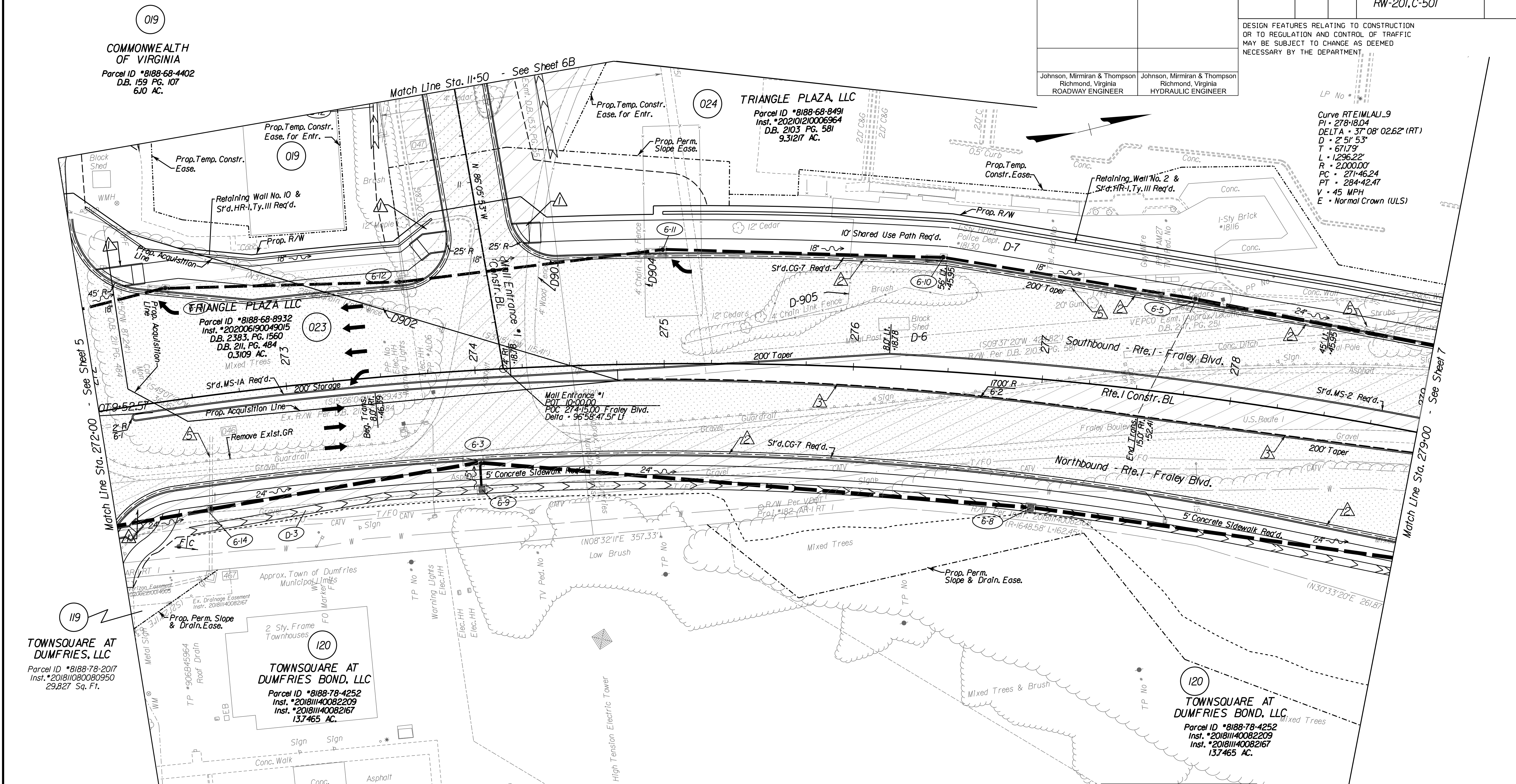
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

Johnson, Miriran & Thompson  
Richmond, Virginia  
HYDRAULIC ENGINEER

LP No. \_\_\_\_\_

Curve RTEIMLAL1.9  
PI = 278+18.04  
DELTA = 37°08'02.62" (RT)  
D = 2°51'53"  
T = 671.79'  
L = 1296.22'  
R = 2,000.00'  
PC = 271+46.24  
PT = 284+42.47  
V = 45 MPH  
E = Normal Crown (ULS)



**TOWNSQUARE AT DUMFRIES, LLC**  
Parcel ID #8188-78-2017  
Inst. #201811080080950  
29,827 Sq. Ft.

**TOWNSQUARE AT DUMFRIES BOND, LLC**  
Parcel ID #8188-78-4252  
Inst. #20181140082209  
Inst. #20181140082167  
137,465 AC.

**TOWNSQUARE AT DUMFRIES BOND, LLC**  
Parcel ID #8188-78-4252  
Inst. #20181140082209  
Inst. #20181140082167  
137,465 AC.

**Legend:**

- △ Denotes CG-12 Curb Cut Type B Req'd.
- △ Denotes VDOT S'd. UD-4 Req'd.
- △ Denotes VDOT S'd. UD-2 Req'd.
- △ Denotes VDOT S'd. CD-2 Req'd.
- △ Denotes Remove Existing structure/pipes.
- △ Denotes Abandon Existing structure/pipes.
- ▨ Denotes Build-up Existing Pavement
- ▨ Denotes New Pavement
- ▨ Denotes Demolition of Existing Pavement

- - dashed lines denote Permanent Easements
- - dot - dashed lines denote Temporary Easements.
- ┌───┐ Denotes Construction Limits in Cuts
- └───┘ Denotes Construction Limits in Fills

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

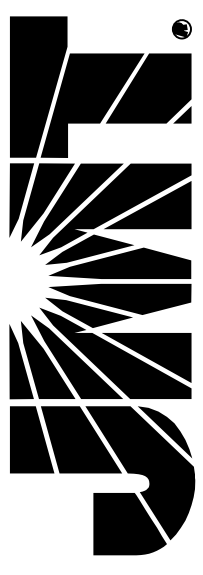
- Mainline Profile 6A
- ESC Phase 1 IN(1)-IN(23)
- ESC Phase 2 IP(1)-IP(23)
- Utility Owner Information 3
- Drainage Descr. 2E(1)-2E(6)
- Entrance Profiles 19(1)-19(6)

SCALE 0 25' 50'	PROJECT 0001-212-249	SHEET NO. 6
--------------------	-------------------------	----------------

**R/W PLANS**

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

**JOHNSON, MIRIRAN & THOMPSON**  
 1000 Foreman Parkway  
 Suite 400  
 Richmond, Virginia 23226  
 Phone: (804) 323-9900



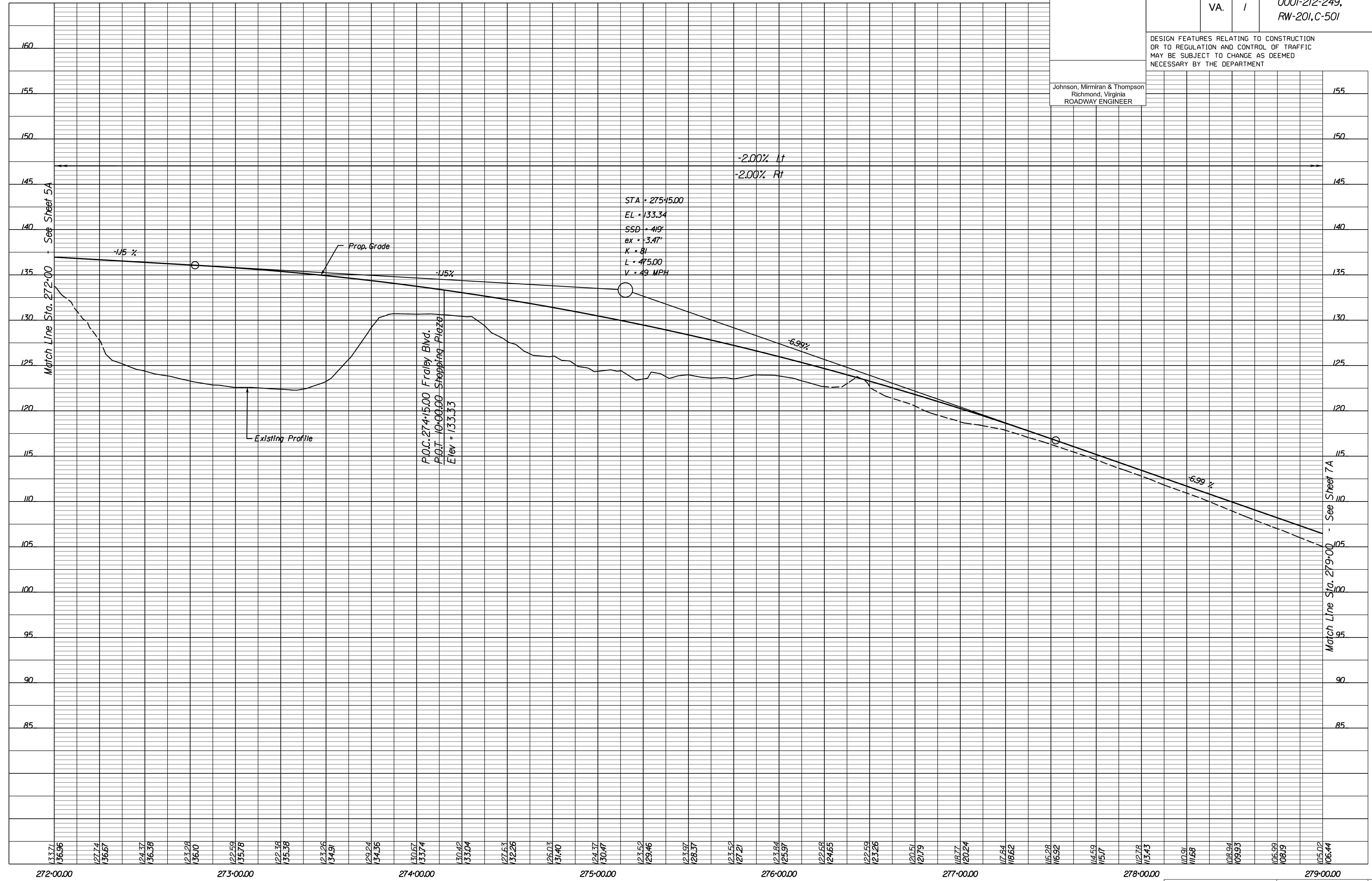
PROJECT MANAGER: *Houng Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY: DATE *Leo E. Treuille LS* (703) 259-3224 7/17/23  
 DESIGN BY: *JMT Engineering* (804) 323-9900  
 SUBSURFACE UTILITY BY: DATE *Leo E. Treuille LS* (703) 259-3224 7/17/23

# Route 1 Profile

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	1	0001-212-249, RW-201, C-501	6A

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

Johnson, Miriran & Thompson  
 Richmond, Virginia  
 ROADWAY ENGINEER



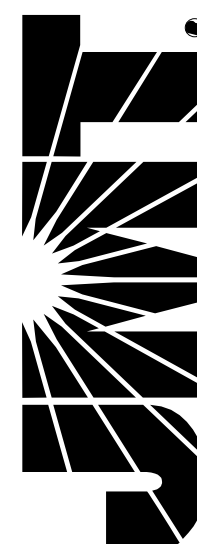
1" = 25' (HOR.) 1" = 5' (VERT.)	PROJECT 0001-212-249	SHEET NO. 6A
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R/W PLANS

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**JOHNSON, MIRIMIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



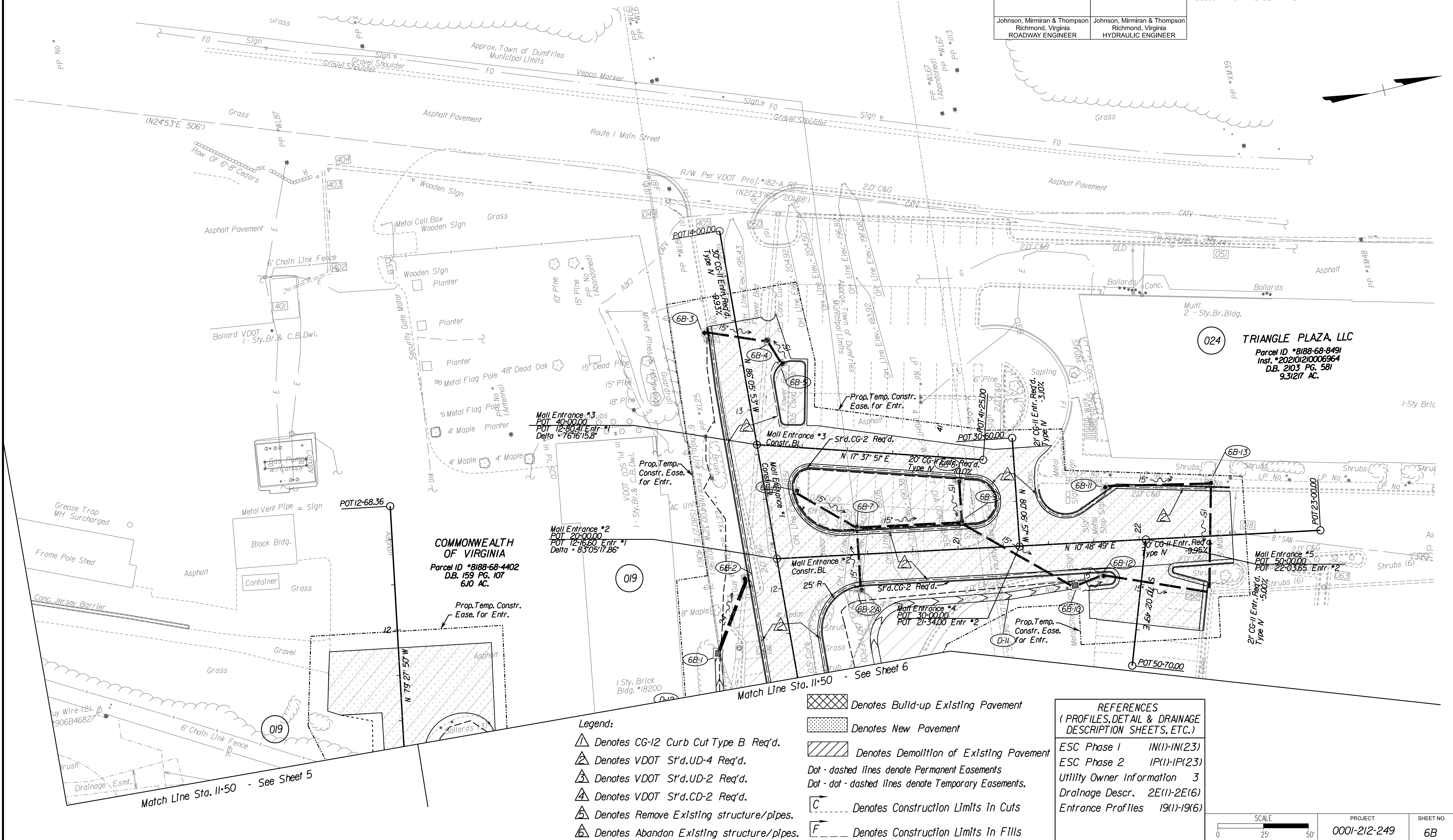
PROJECT MANAGER: *Hoa Lam Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13  
DESIGN BY: *JMT Engineering, (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	6B

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

Johnson, Mirimiran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

Johnson, Mirimiran & Thompson  
Richmond, Virginia  
HYDRAULIC ENGINEER



- Legend:**
- Denotes CG-12 Curb Cut Type B Req'd.
  - Denotes VDOT S'd.UD-4 Req'd.
  - Denotes VDOT S'd.UD-2 Req'd.
  - Denotes VDOT S'd.CD-2 Req'd.
  - Denotes Remove Existing structure/pipes.
  - Denotes Abandon Existing structure/pipes.

- Denotes Build-up Existing Pavement
- Denotes New Pavement
- Denotes Demolition of Existing Pavement
- Dot - dashed lines denote Permanent Easements
- Dot - dot - dashed lines denote Temporary Easements.
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

ESC Phase 1 IN(1)-IN(23)  
ESC Phase 2 IP(1)-IP(23)  
Utility Owner Information 3  
Drainage Descr. 2E(1)-2E(6)  
Entrance Profiles 19(1)-19(6)

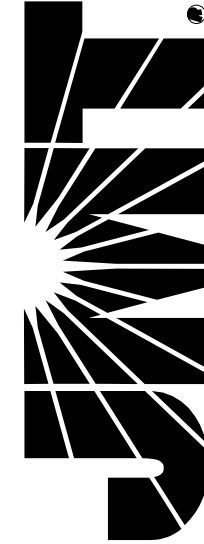
SCALE 0 25' 50'	PROJECT 0001-212-249	SHEET NO. 6B
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**R/W PLANS**

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**JOHNSON, MIRIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia, 23236  
Phone: (804) 323-9900



PROJECT MANAGER: *Hoa Nam Nguyen, P.E.* (703) 792-8161 P.W.C. Dept. of Transportation  
SURVEYED BY, DATE: *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13  
DESIGN BY: *JMT Engineering* (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13

**DUMFRIES SHOPPING CENTER, INCORPORATED**  
Parcel ID \*8188-79-7450  
D.B. 283, PG. 639  
D.B. 231, PG. 30  
11,7042 Ac. (Tax) 039

**SMAI, LLC**  
Parcel ID \*8188-79-3158  
Inst. \*201604250029516  
0.7752 AC. 025

**SEJ ASSET MANAGEMENT & INVESTMENT COMPANY**  
Parcel ID \*8188-79-3020  
Inst. \*2016070800522253  
22,240 SQ. FT. 027

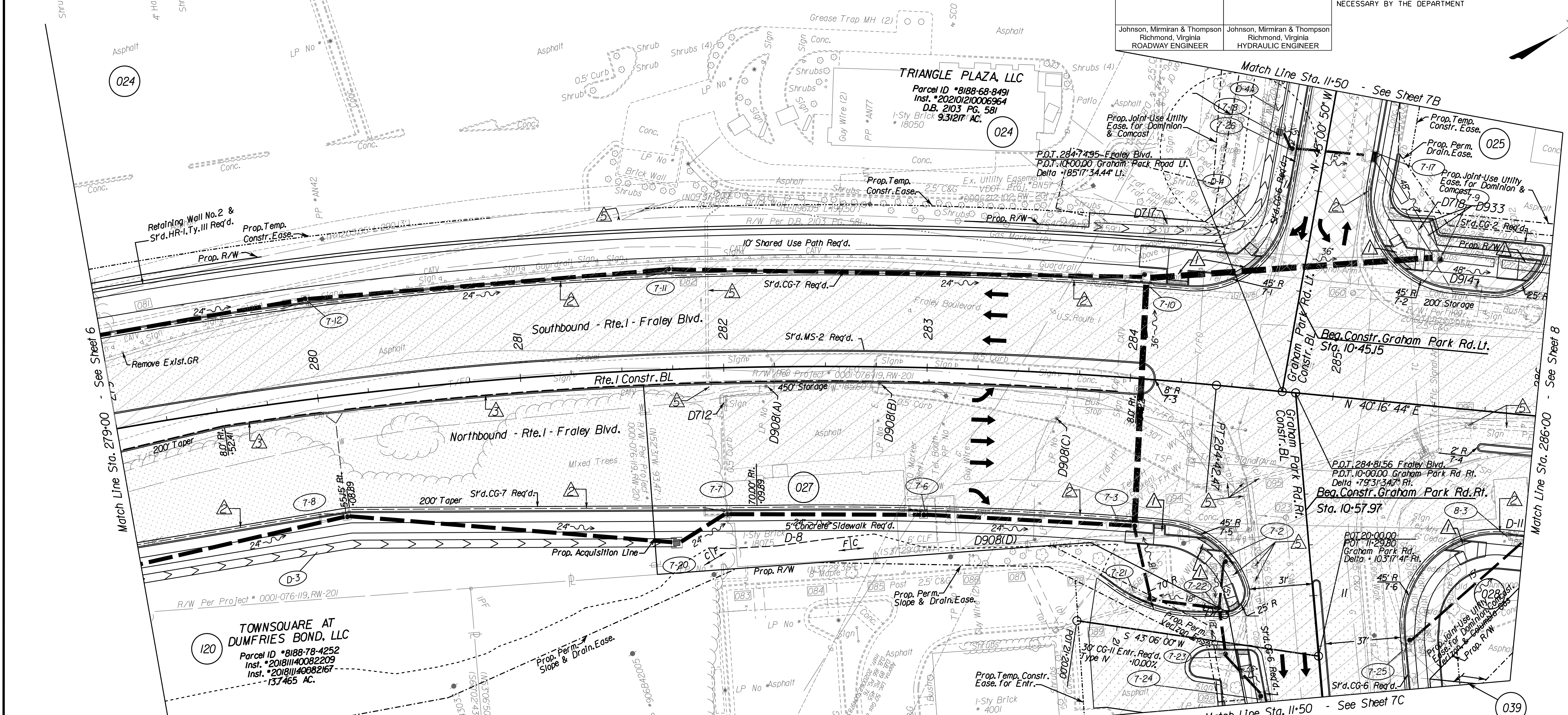
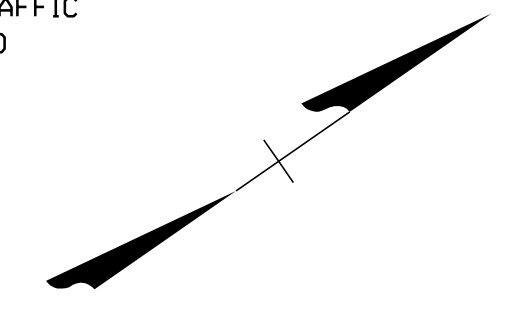
**DUMFRIES FAMILY LIMITED PARTNERSHIP**  
Parcel ID \*8188-79-5043  
Inst. \*20090415003514  
15,143 SQ. FT. 028

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	1		0001-212-249, RW-201, C-501	7

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

Johnson, Miriran & Thompson  
Richmond, Virginia  
HYDRAULIC ENGINEER



Match Line Sta. 279+00 - See Sheet 6

Match Line Sta. 286+00 - See Sheet 8

Match Line Sta. 11+50 - See Sheet 7C

**TOWNSQUARE AT DUMFRIES BOND, LLC**  
Parcel ID \*8188-78-4252  
Inst. \*201811140082209  
Inst. \*201811140082167  
13,7465 AC. 120

**FIRST NATIONAL BANK OF QUANTICO**  
Parcel ID \*8188-79-3812  
D.B. 242, PG. 140  
1,3987 Ac. (Tax) 026

Curve RTE1MLAU\_9  
PI = 278+18.04  
DELTA = 37° 08' 02.62" (RT)  
D = 2' 51' 53"  
T = 671.79'  
L = 1,296.22'  
R = 2,000.00'  
PC = 271+46.24  
PT = 284+42.47  
V = 45 MPH  
E = Normal Crown (ULS)

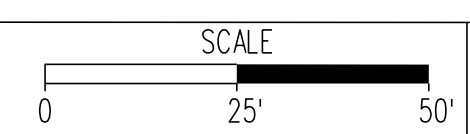
- Legend:**
- ▲ Denotes CG-12 Curb Cut Type B Req'd.
  - ▲ Denotes VDOT Srd.UD-4 Req'd.
  - ▲ Denotes VDOT Srd.UD-2 Req'd.
  - ▲ Denotes VDOT Srd.CD-2 Req'd.
  - ▲ Denotes Remove Existing structure/pipes.
  - ▲ Denotes Abandon Existing structure/pipes.

- Denotes Build-up Existing Pavement
- Denotes New Pavement
- Denotes Demolition of Existing Pavement

- - - - - Denotes Permanent Easements
- · - · - · Denotes Temporary Easements.
- C --- Denotes Construction Limits in Cuts
- F --- Denotes Construction Limits in Fills

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Mainline Profile	7A
Graham Park Rd. Rt Prof	7D
Graham Park Rd. Lt Prof	7D
ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(6)
Entrance Profiles	19(1)-19(6)



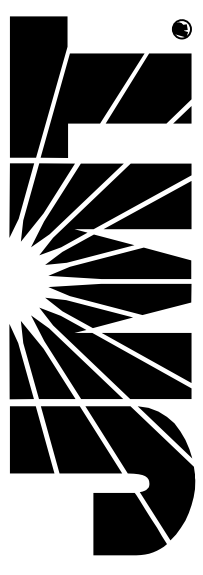
PROJECT	0001-212-249
SHEET NO.	7

**R/W PLANS**

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**JOHNSON, MIRIRAN & THOMPSON**  
 1000 Foreman Parkway  
 Suite 400  
 Richmond, Virginia 23226  
 Phone: (804) 323-9900



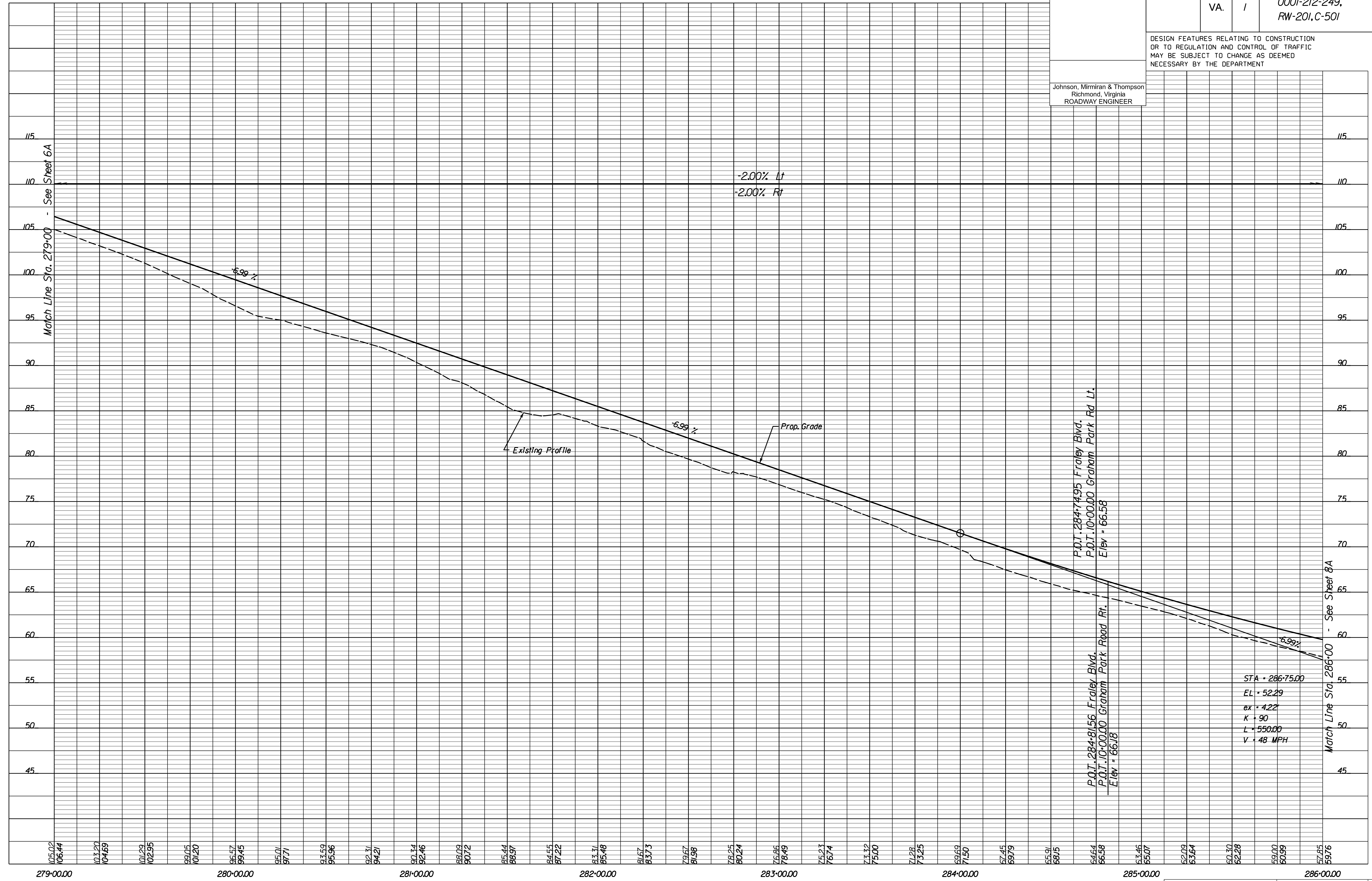
PROJECT MANAGER: *Hoa Nam Nguyen, P.E.* (703) 792-8161 PWC, Dept. of Transportation  
 SURVEYED BY: DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/23  
 DESIGN BY: *JMT, Englewood, 1804* 323-9900  
 SUBSURFACE UTILITY BY: DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/23

# Route 1 Profile

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	1	0001-212-249, RW-201, C-501	7A

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

Johnson, Miriran & Thompson  
 Richmond, Virginia  
 ROADWAY ENGINEER

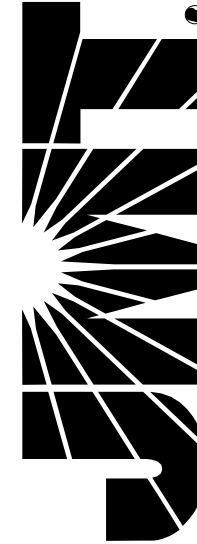


1" = 25' (HOR.)	PROJECT	SHEET NO.
1" = 5' (VERT.)	0001-212-249	7A

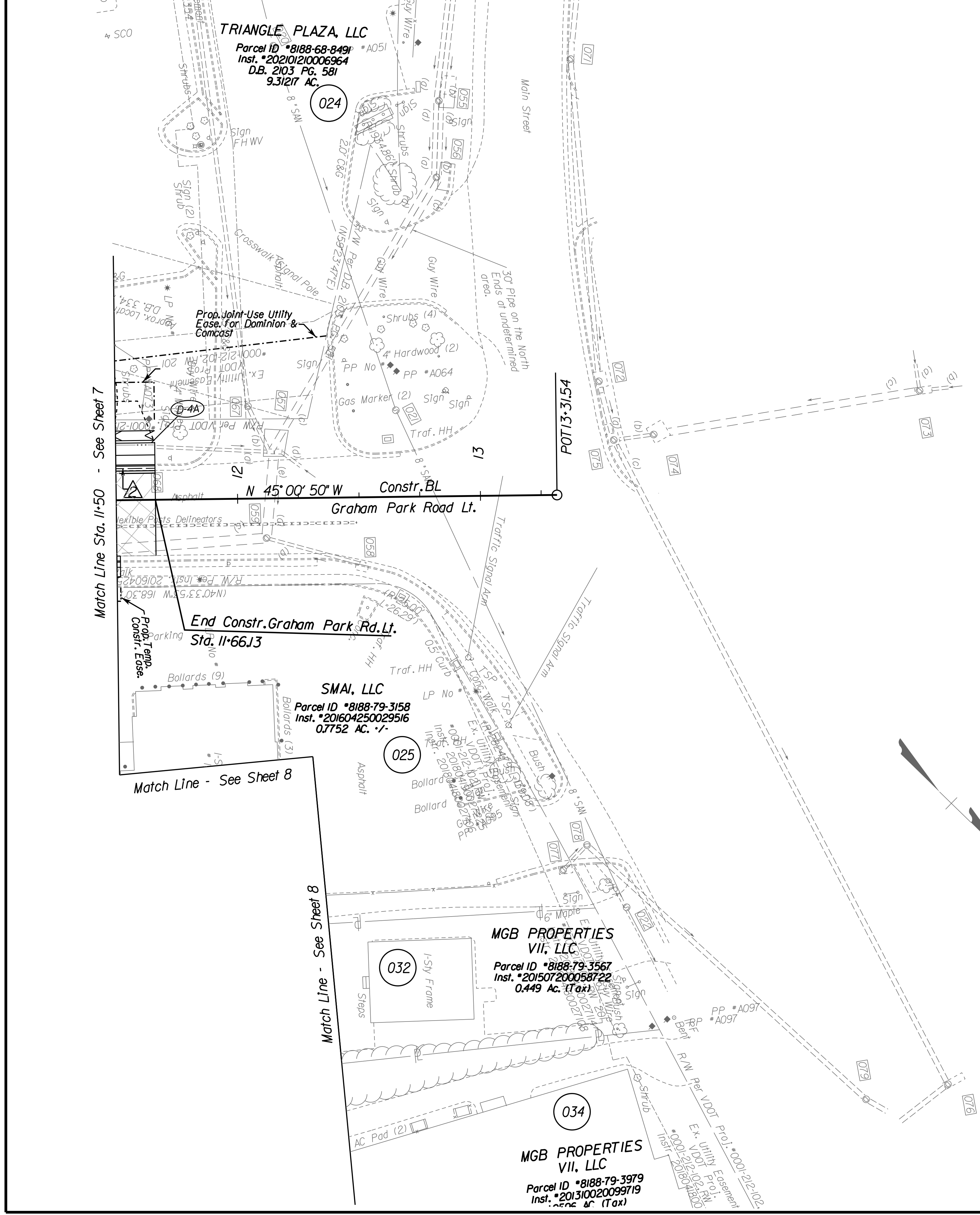
R/W PLANS

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

**JOHNSON, MIRIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER *HoaLoan Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation*  
SURVEYED BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*  
DESIGN BY *JMT, Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*



REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1	0001-212-249, RW-201, C-501	7B
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Miriran & Thompson Richmond, Virginia ROADWAY ENGINEER		Johnson, Miriran & Thompson Richmond, Virginia HYDRAULIC ENGINEER		

- Legend:**
- Denotes CG-12 Curb Cut Type B Req'd.
  - Denotes VDOT St'd. UD-4 Req'd.
  - Denotes VDOT St'd. UD-2 Req'd.
  - Denotes VDOT St'd. CD-2 Req'd.
  - Denotes Remove Existing structure/pipes.
  - Denotes Abandon Existing structure/pipes.
  - Dot - dashed lines denote Permanent Easements
  - Dot - dot - dashed lines denote Temporary Easements.
  - Denotes Construction Limits in Cuts
  - Denotes Construction Limits in Fills
  - Denotes Build-up Existing Pavement
  - Denotes New Pavement
  - Denotes Demolition of Existing Pavement

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

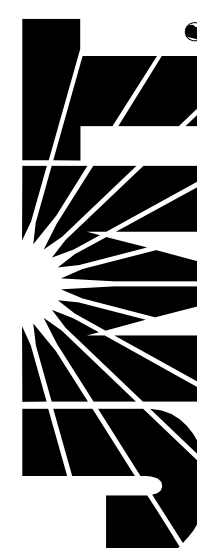
Graham Park Rd. Lt Prof 7D
ESC Phase 1 IN(1)-IN(23)
ESC Phase 2 IP(1)-IP(23)
Utility Owner Information 3
Drainage Descr. 2E(1)-2E(6)

SCALE 0 25' 50'	PROJECT 0001-212-249	SHEET NO. 7B
--------------------	-------------------------	-----------------

**R/W PLANS**

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

**JOHNSON, MIRIMIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER: *Hoang Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE: *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13  
DESIGN BY: *JMT Engineering, (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13

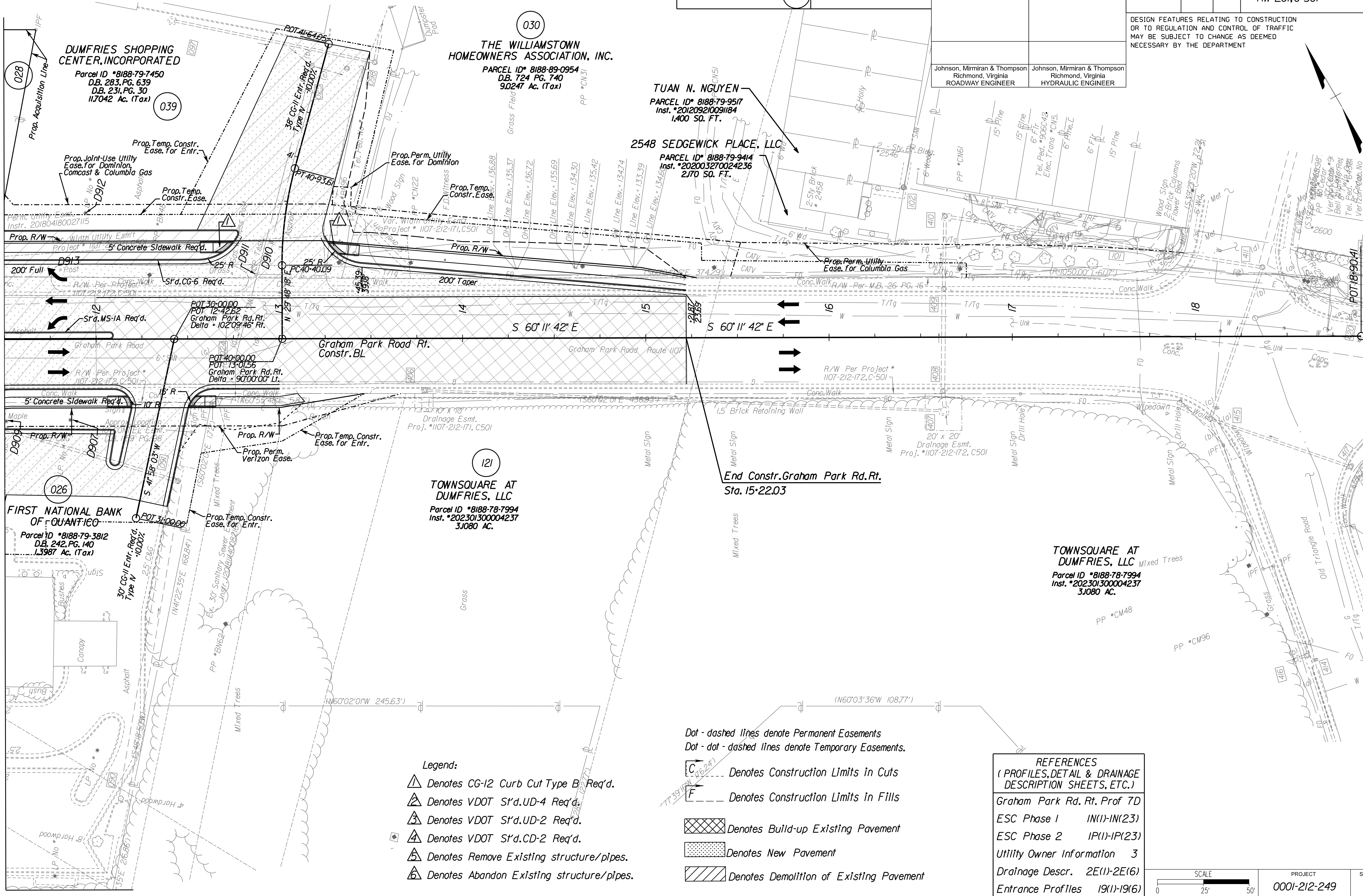
**DUMFRIES FAMILY LIMITED PARTNERSHIP**  
Parcel ID \*8188-79-5043  
Inst. \*200904150035141  
15,43 SQ. FT. (028)

**THE WILLIAMSTOWN HOMEOWNERS ASSOCIATION, INC.**  
Parcel ID \* 8188-89-0954  
D.B. 724 PG. 740  
9.0247 Ac. (Tax)

**TUAN N. NGUYEN**  
Parcel ID \* 8188-79-9517  
Inst. \*201209210091184  
1,400 SQ. FT.

**2548 SEDGEWICK PLACE, LLC**  
Parcel ID \* 8188-79-9414  
Inst. \*202003270024236  
2,170 SQ. FT.

**DUMFRIES SHOPPING CENTER, INCORPORATED**  
Parcel ID \*8188-79-7450  
D.B. 283, PG. 639  
D.B. 231, PG. 30  
11,7042 Ac. (Tax)



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	7C

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

Johnson, Mirimiran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

Johnson, Mirimiran & Thompson  
Richmond, Virginia  
HYDRAULIC ENGINEER

Match Line Sta. 11+50 - See Sheet 7

**FIRST NATIONAL BANK OF QUANTICO**  
Parcel ID \*8188-79-3812  
D.B. 242, PG. 140  
1,3987 Ac. (Tax)

**TOWNSQUARE AT DUMFRIES, LLC**  
Parcel ID \*8188-78-7994  
Inst. \*202301300004237  
3,1080 AC.

**End Constr. Graham Park Rd. Rt.**  
Sta. 15+22.03

**TOWNSQUARE AT DUMFRIES, LLC**  
Parcel ID \*8188-78-7994  
Inst. \*202301300004237  
3,1080 AC.

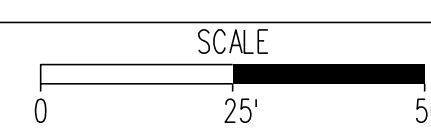
- Legend:
- ▲ Denotes CG-12 Curb Cut Type B Req'd.
  - ▲ Denotes VDOT St'd. UD-4 Req'd.
  - ▲ Denotes VDOT St'd. UD-2 Req'd.
  - ▲ Denotes VDOT St'd. CD-2 Req'd.
  - ▲ Denotes Remove Existing structure/pipes.
  - ▲ Denotes Abandon Existing structure/pipes.

Dot - dashed lines denote Permanent Easements  
Dot - dot - dashed lines denote Temporary Easements.

- C Denotes Construction Limits in Cuts
- F Denotes Construction Limits in Fills
- ▨ Denotes Build-up Existing Pavement
- ▨ Denotes New Pavement
- ▨ Denotes Demolition of Existing Pavement

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

- Graham Park Rd. Rt. Prof 7D
- ESC Phase 1 IN(1)-IN(23)
- ESC Phase 2 IP(1)-IP(23)
- Utility Owner Information 3
- Drainage Descr. 2E(1)-2E(16)
- Entrance Profiles 19(1)-19(16)



PROJECT	SHEET NO.
0001-212-249	7C

**R/W PLANS**

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



**JOHNSON, MIRIRAN & THOMPSON**  
State of Virginia  
Professional Highway  
Richmond, Virginia 23226  
Phone: (804) 323-9900



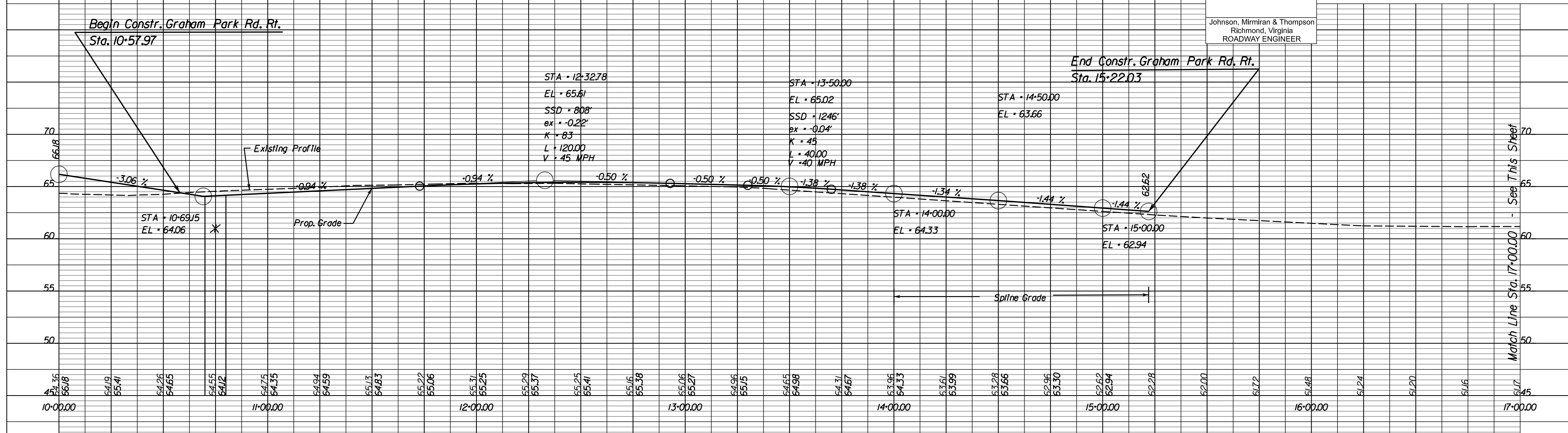
PROJECT MANAGER: *Haalim Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY: *DATE Leo E. Treuille LS* (703) 259-3224 7/17/13  
DESIGN BY: *JMT, Englewood* (804) 323-9900  
SUBSURFACE UTILITY BY: *DATE Leo E. Treuille LS* (703) 259-3224 7/17/13

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE 1		
			0001-212-249, RW-201, C-501	7D

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

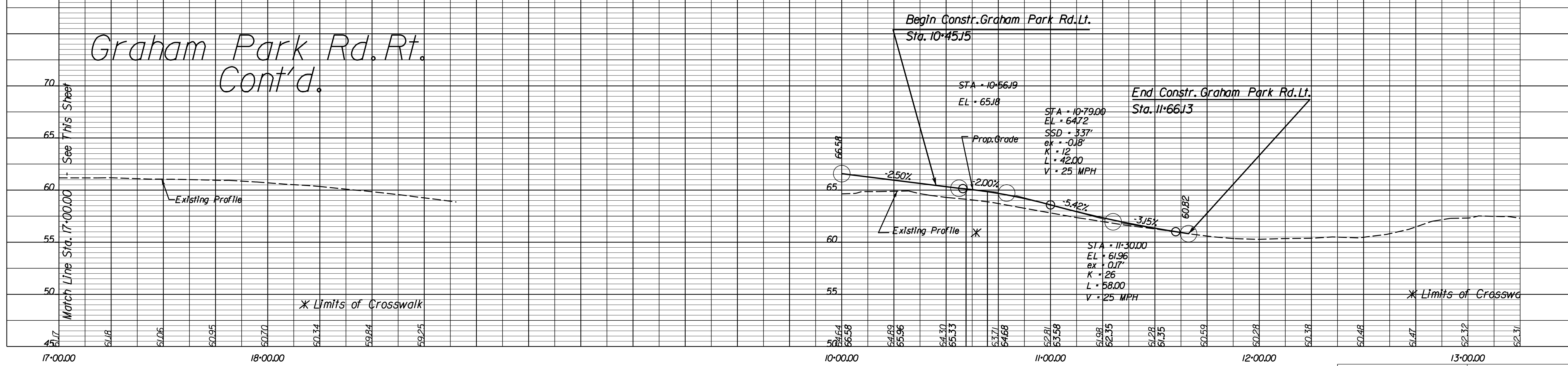
Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

# Graham Park Rd. Rt.



# Graham Park Rd. Rt. Cont'd.

# Graham Park Rd. Lt.



1" = 25' (HOR.)	PROJECT	SHEET NO.
1" = 5' (VERT.)	0001-212-249	7D

R/W PLANS

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







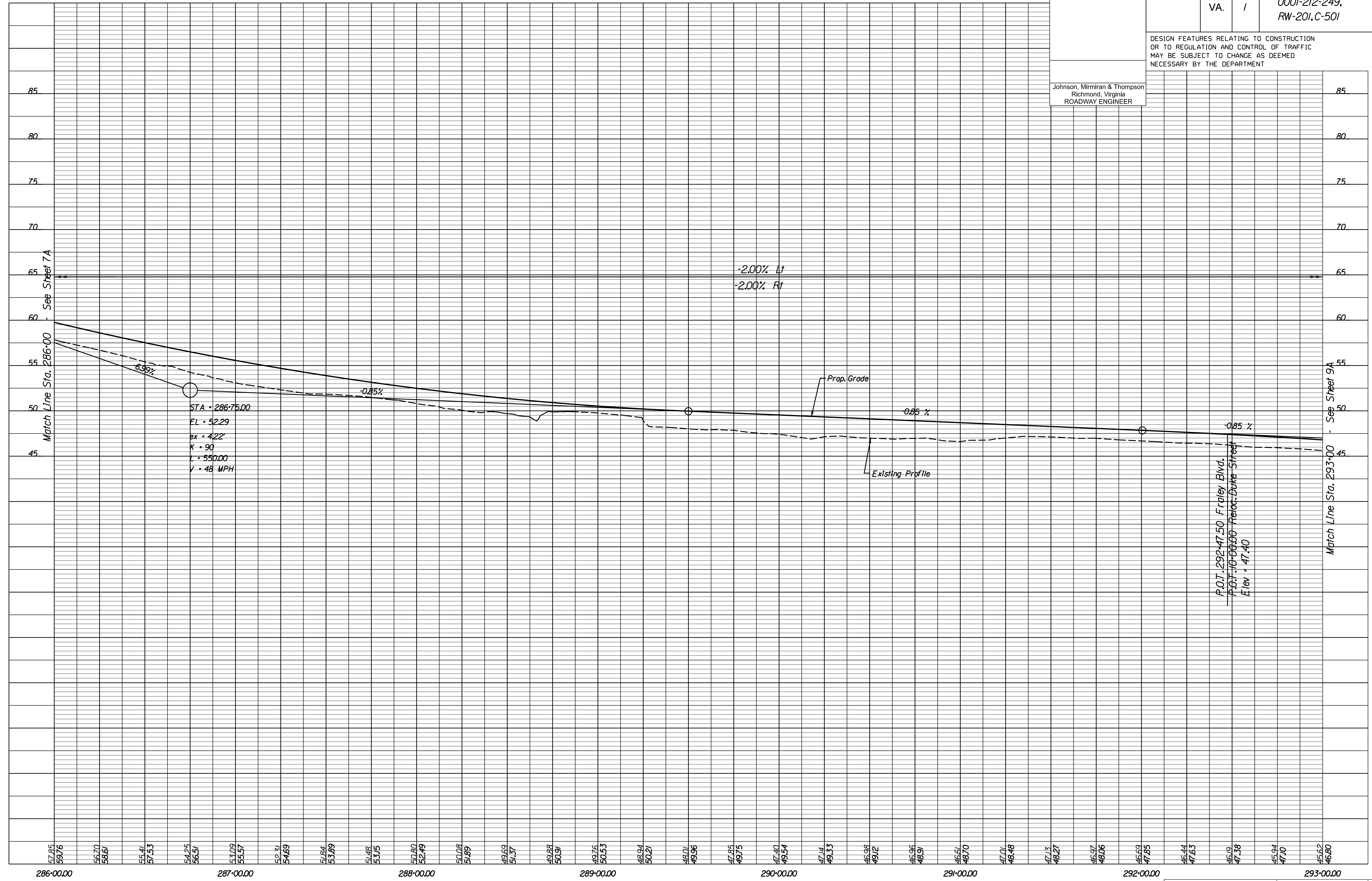
PROJECT MANAGER *HoaNg Nguyen, P.E.* (703) 792-8161 PWC, Dept. of Transportation  
 SURVEYED BY, DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/13  
 DESIGN BY *JMT, Eng'neering, Inc.* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/13

# Route 1 Profile

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	1	0001-212-249, RW-201, C-501	8A

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER



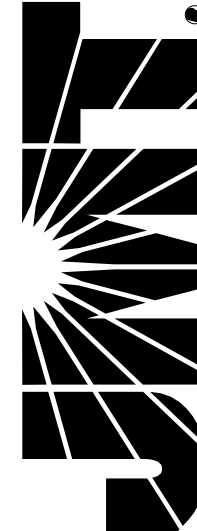
1" = 25' (HOR.),  
1" = 5' (VERT.)  
PROJECT: 0001-212-249  
SHEET NO.: 8A

R/W PLANS

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



**JOHNSON, MIRIMIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER: *Headroom\_Nguyen\_P.F.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY: DATE *Leon\_E.Treutle\_L.S.* (703) 259-3224 7/17/13  
DESIGN BY: *JMT\_Engineering* (804) 323-9900  
SUBSURFACE UTILITY BY: DATE *Leon\_E.Treutle\_L.S.* (703) 259-3224 7/17/13

**WNI HOLDINGS, LLC**  
Parcel ID \*8189-80-1153  
Inst. \*201203280028394  
25,252 SQ. FT.

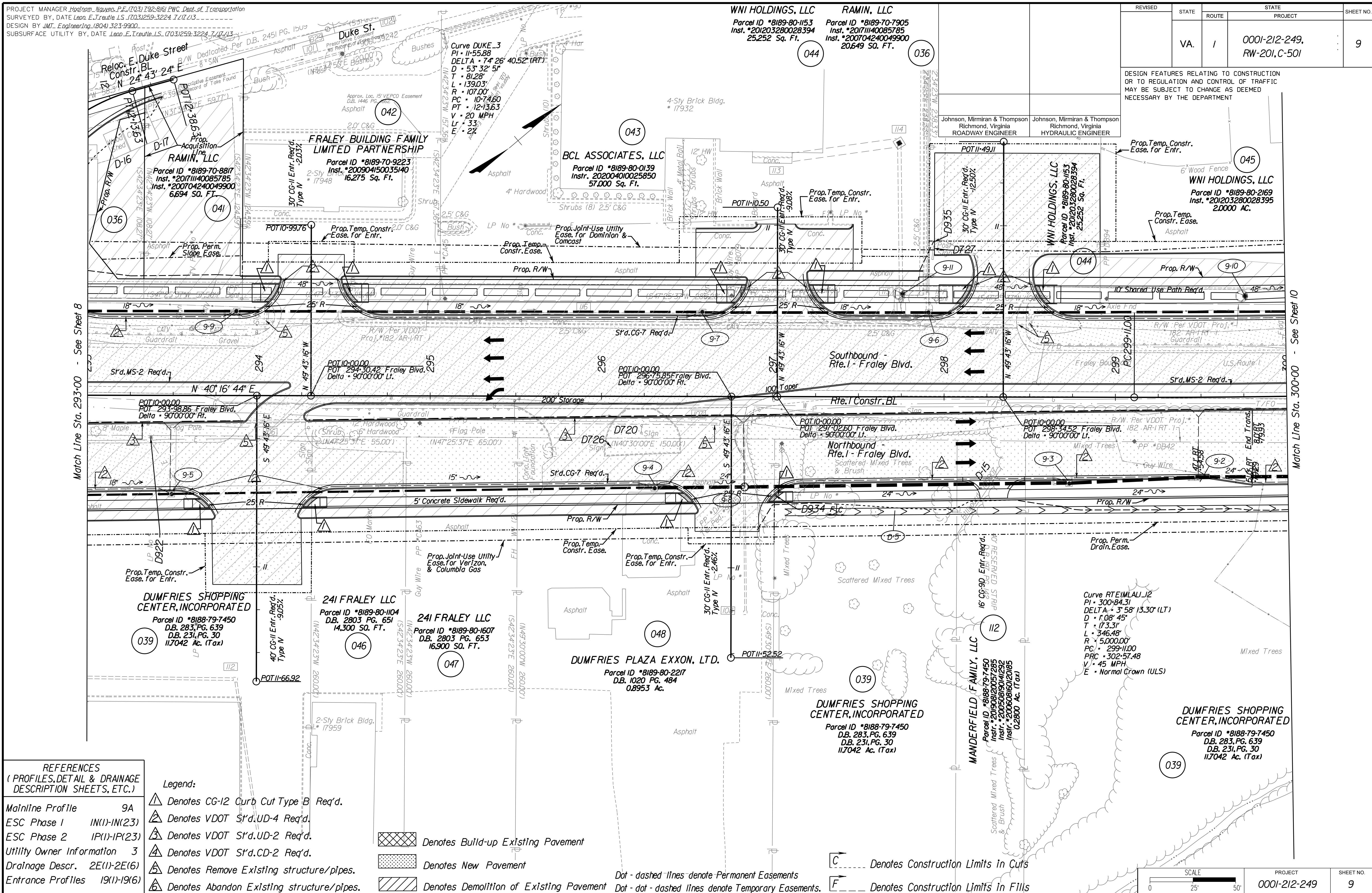
**RAMIN, LLC**  
Parcel ID \*8189-70-7905  
Inst. \*20171140085785  
Inst. \*200704240049900  
20,649 SQ. FT.

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	1		0001-212-249, RW-201,C-501	9

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

Johnson, Mirimiran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

Johnson, Mirimiran & Thompson  
Richmond, Virginia  
HYDRAULIC ENGINEER



**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

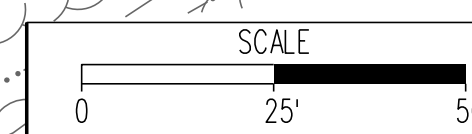
Mainline Profile	9A
ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(6)
Entrance Profiles	19(1)-19(6)

- Legend:**
- ▲ Denotes CG-12 Curb Cut Type B Req'd.
  - ▲ Denotes VDOT St'd. UD-4 Req'd.
  - ▲ Denotes VDOT St'd. UD-2 Req'd.
  - ▲ Denotes VDOT St'd. CD-2 Req'd.
  - ▲ Denotes Remove Existing structure/pipes.
  - ▲ Denotes Abandon Existing structure/pipes.

- Denotes Build-up Existing Pavement
- Denotes New Pavement
- Denotes Demolition of Existing Pavement

Dot - dashed lines denote Permanent Easements  
Dot - dot - dashed lines denote Temporary Easements.

- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills



PROJECT	0001-212-249
SHEET NO.	9

**R/W PLANS**

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Match Line Sta. 293+00 - See Sheet 8

Match Line Sta. 300+00 - See Sheet 10





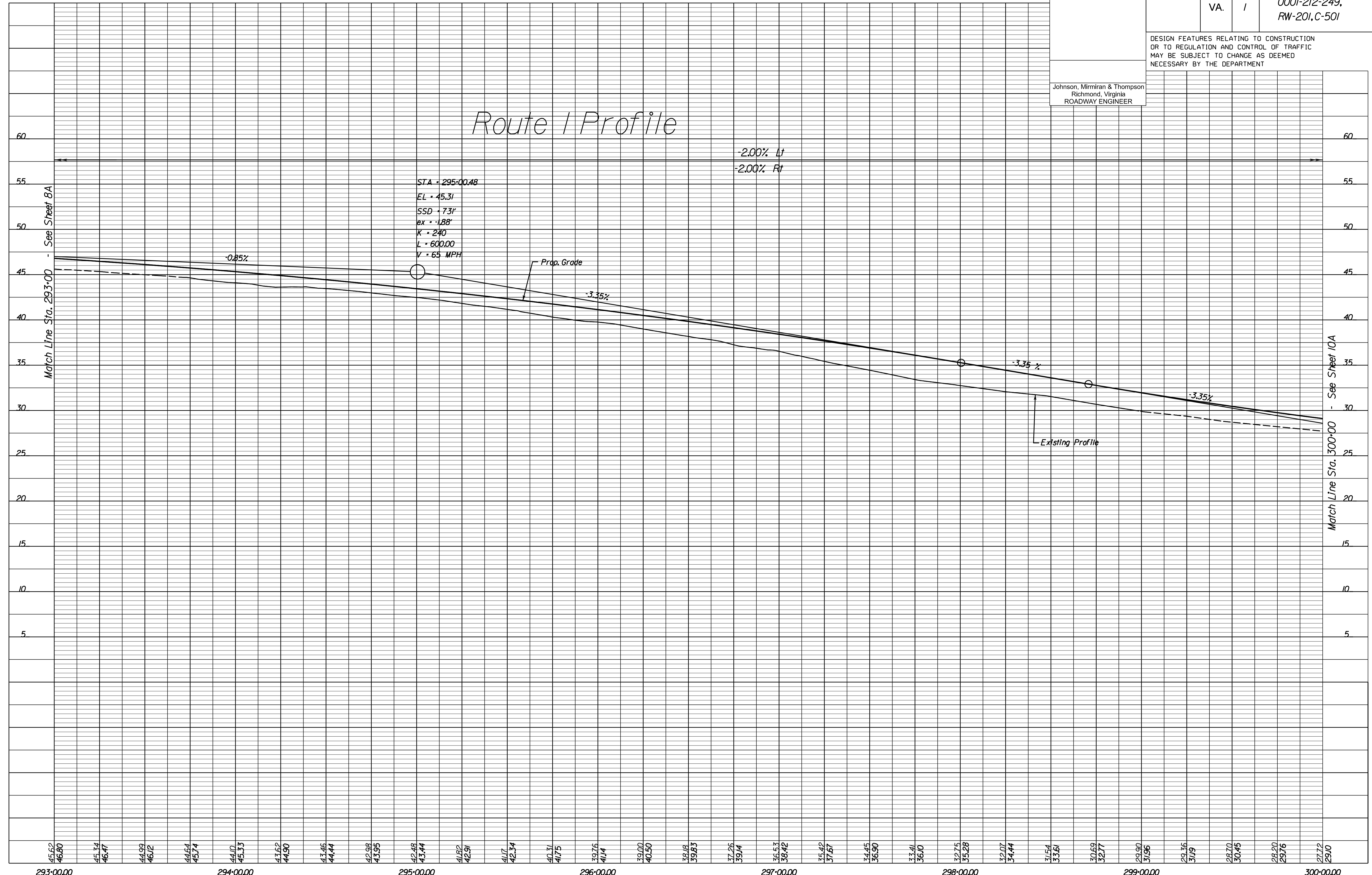
PROJECT MANAGER *HoaNg Nguyen, P.E.* (703) 792-8161 PWC, Dept. of Transportation  
 SURVEYED BY, DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/13  
 DESIGN BY *JMT, Eng'neering* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/13

REVISED	STATE		SHEET NO.
	ROUTE	PROJECT	
	VA.	1	0001-212-249, RW-201, C-501

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

# Route 1 Profile



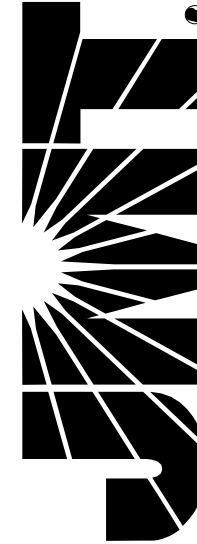
45.62 46.80	45.34 46.47	44.99 46.12	44.64 45.74	44.10 45.33	43.62 44.90	43.46 44.44	42.98 43.95	42.48 43.44	41.82 42.91	41.17 42.34	40.31 41.75	39.76 41.14	39.00 40.50	38.18 39.83	37.26 39.14	36.53 38.42	35.42 37.67	34.45 36.90	33.41 36.00	32.75 35.28	32.07 34.44	31.54 33.61	30.69 32.77	29.90 31.96	29.36 31.19	28.70 30.45	28.20 29.76	27.72 29.10
----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------

1" = 25' (HOR.),  
1" = 5' (VERT.)  
PROJECT 0001-212-249  
SHEET NO. 9A

R/W PLANS

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**JOHNSON, MIRIMIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



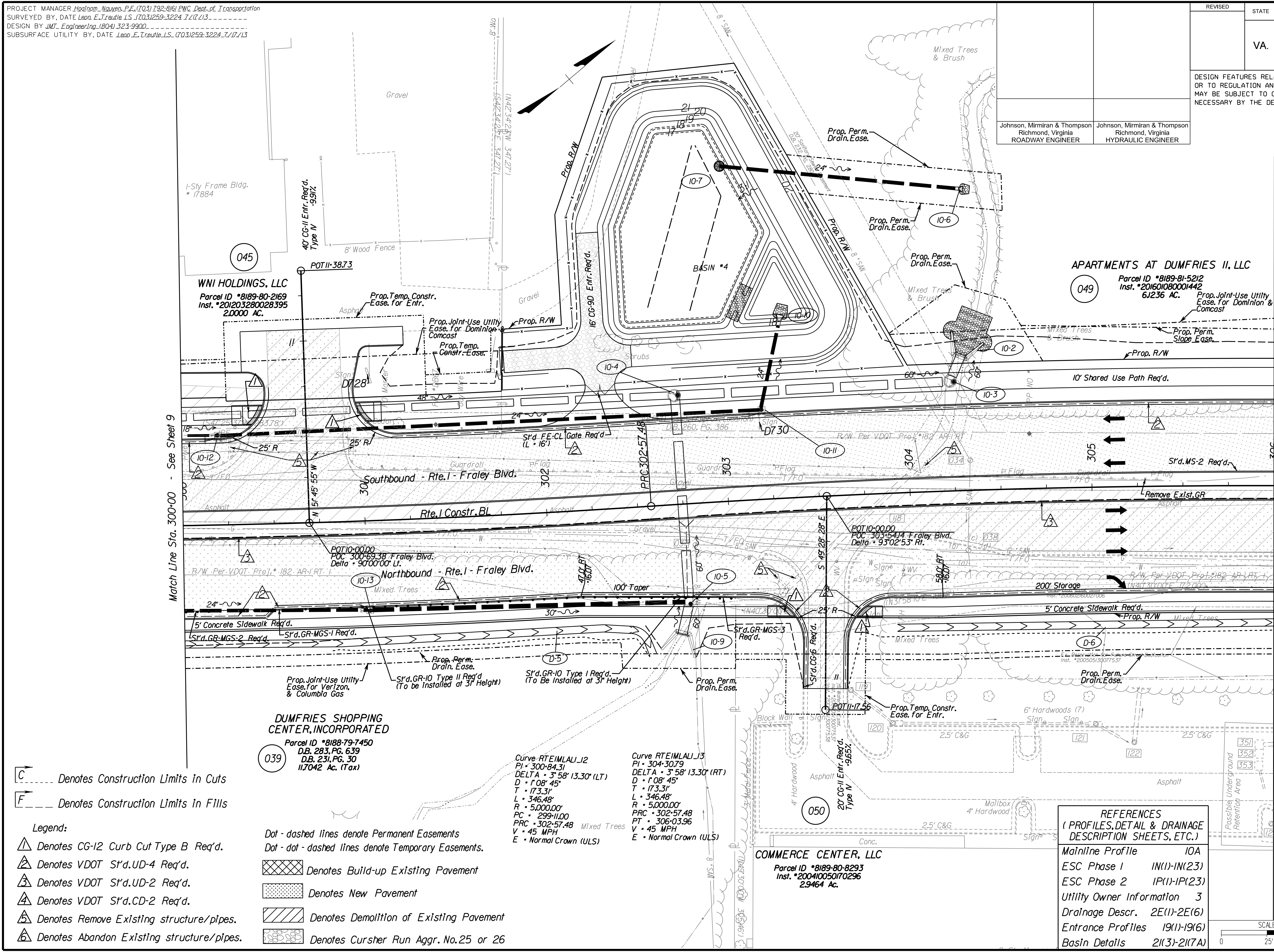
PROJECT MANAGER *Hoa Tram Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation*  
SURVEYED BY, DATE *Leon E. Treutle, L.S. (703) 259-3224 7/17/13*  
DESIGN BY *JMT Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, L.S. (703) 259-3224 7/17/13*

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	10

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

Johnson, Mirimiran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

Johnson, Mirimiran & Thompson  
Richmond, Virginia  
HYDRAULIC ENGINEER



Match Line Sta. 300+00 - See Sheet 9

Match Line Sta. 306+00 - See Sheet 11

**C** --- Denotes Construction Limits in Cuts  
**F** --- Denotes Construction Limits in Fills

- Legend:**
- ▲ Denotes CG-12 Curb Cut Type B Req'd.
  - ▲ Denotes VDOT S'd.UD-4 Req'd.
  - ▲ Denotes VDOT S'd.UD-2 Req'd.
  - ▲ Denotes VDOT S'd.CD-2 Req'd.
  - ▲ Denotes Remove Existing structure/pipes.
  - ▲ Denotes Abandon Existing structure/pipes.

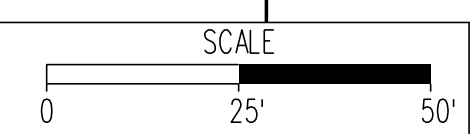
- Dot - dashed lines denote Permanent Easements
- Dot - dot - dashed lines denote Temporary Easements.
- ▨ Denotes Build-up Existing Pavement
- ▨ Denotes New Pavement
- ▨ Denotes Demolition of Existing Pavement
- ▨ Denotes Cursher Run Aggr. No.25 or 26

Curve RTE1MLL1J2  
PI • 300+84.31  
DELTA • 3° 58' 13.30" (LT)  
D • 1' 08' 45"  
T • 173.31'  
L • 346.48'  
R • 5,000.00'  
PC • 299+11.00  
PRC • 302+57.48  
PT • 306+03.96  
V • 45 MPH  
E • Normal Crown (ULS)

Curve RTE1MLL1J3  
PI • 304+30.79  
DELTA • 3° 58' 13.30" (RT)  
D • 1' 08' 45"  
T • 173.31'  
L • 346.48'  
R • 5,000.00'  
PRC • 302+57.48  
PT • 306+03.96  
V • 45 MPH  
E • Normal Crown (ULS)

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Mainline Profile	10A
ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(6)
Entrance Profiles	19(1)-19(6)
Basin Details	2I(3)-2I(7A)



PROJECT	0001-212-249
SHEET NO.	10

**R/W PLANS**

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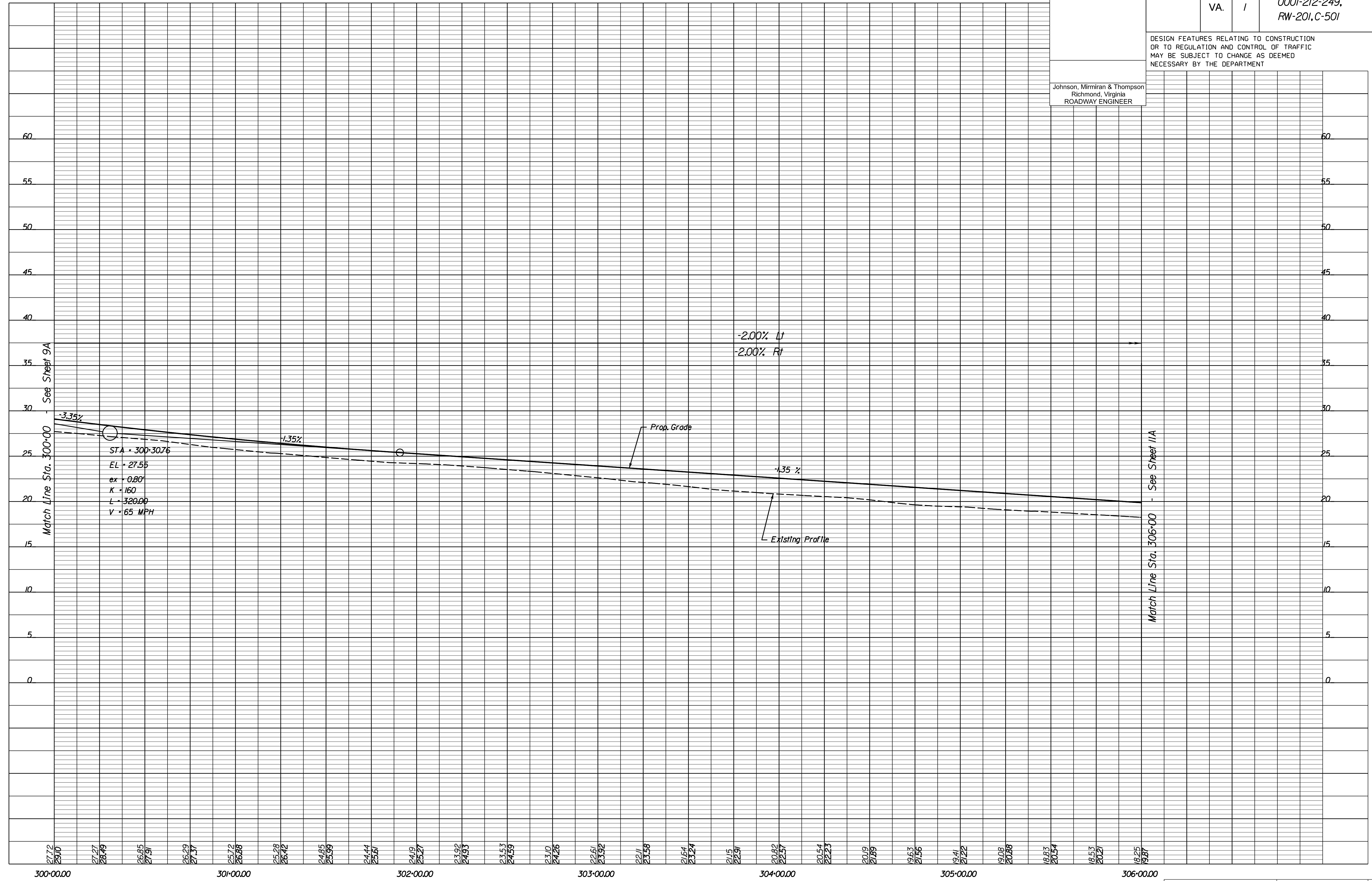
PROJECT MANAGER: *HoaNguyen, P.E.* (703) 792-8161 PWC, Dept. of Transportation  
 SURVEYED BY: DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/13  
 DESIGN BY: *JMT, Engineers/Inc.* (804) 323-9900  
 SUBSURFACE UTILITY BY: DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/13

# Route 1 Profile

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	1	0001-212-249, RW-201, C-501	10A

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER



1" = 25' (HOR.),  
1" = 5' (VERT.)

PROJECT: 0001-212-249  
SHEET NO.: 10A

R/W PLANS

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



PROJECT MANAGER: *Hoodlum Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY: DATE: *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13  
DESIGN BY: *JMT Engineering, (804) 323-9900*  
SUBSURFACE UTILITY BY: DATE: *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13

**COMMERCE CENTER, LLC**  
Parcel ID \*8189-80-8293  
Inst. \*20041005070296  
2.9464 Ac.

**ARMANDO CASTRO ESCOBAR & EFREN CASTRO ESCOBAR**  
Parcel ID \*8189-91-3958  
Inst. \*201609220076820  
1.3564 Ac.

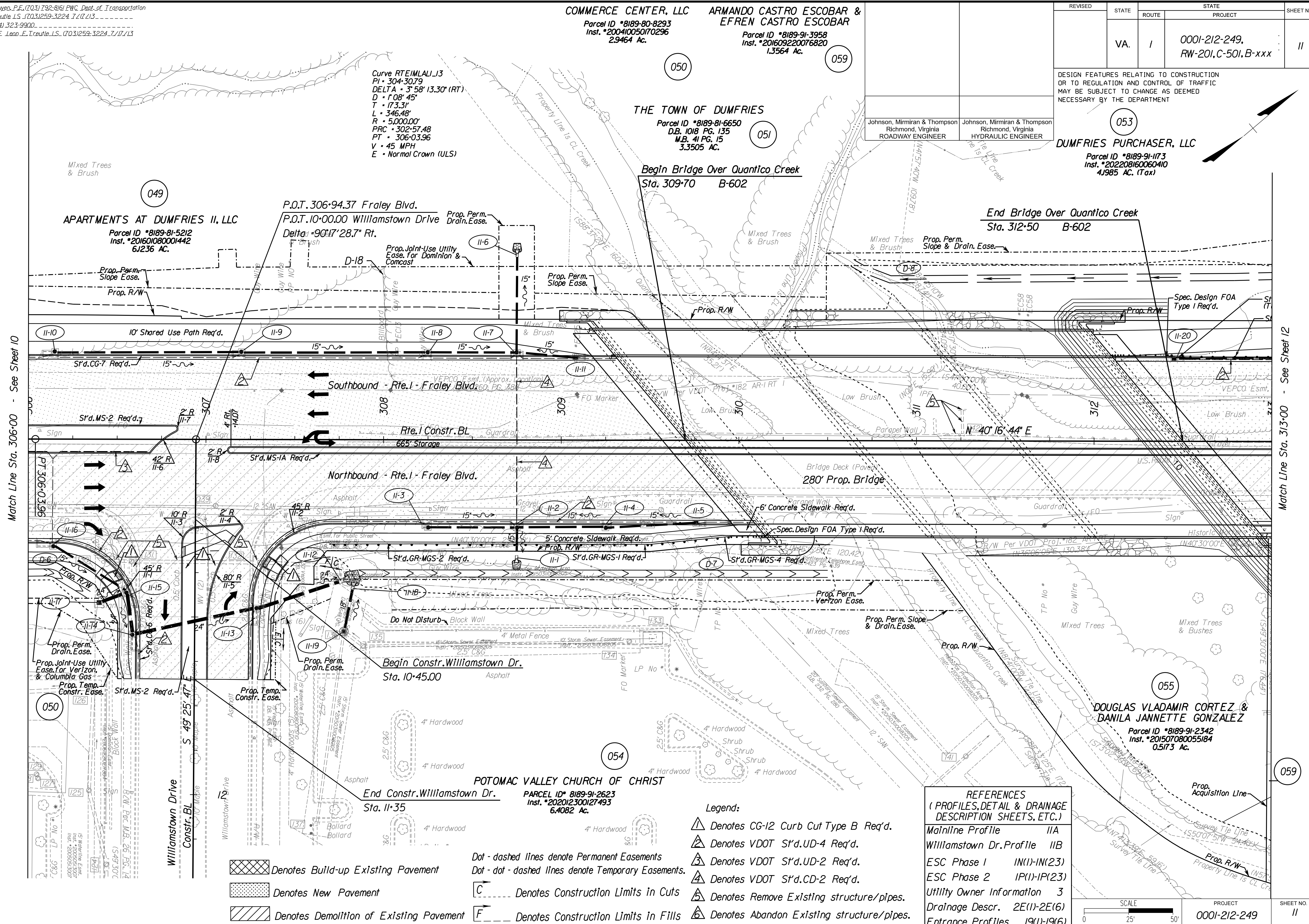
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501, B-xxx	11

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

Johnson, Miriran & Thompson  
Richmond, Virginia  
HYDRAULIC ENGINEER

**DUMFRIES PURCHASER, LLC**  
Parcel ID \*8189-91-1173  
Inst. \*202208160060410  
4.985 AC. (Tax)



Match Line Sta. 306+00 - See Sheet 10

Match Line Sta. 313+00 - See Sheet 12

- Denotes Build-up Existing Pavement
- Denotes New Pavement
- Denotes Demolition of Existing Pavement
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

- Dot - dashed lines denote Permanent Easements
- Dot - dot - dashed lines denote Temporary Easements.
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

- Legend:
- Denotes CG-12 Curb Cut Type B Req'd.
  - Denotes VDOT S'd.UD-4 Req'd.
  - Denotes VDOT S'd.UD-2 Req'd.
  - Denotes VDOT S'd.CD-2 Req'd.
  - Denotes Remove Existing structure/pipes.
  - Denotes Abandon Existing structure/pipes.

REFERENCES  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Mainline Profile	IIA
Williamstown Dr. Profile	IIB
ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(6)
Entrance Profiles	19(1)-19(6)

SCALE	PROJECT	SHEET NO.
0 25' 50'	0001-212-249	11

**R/W PLANS**

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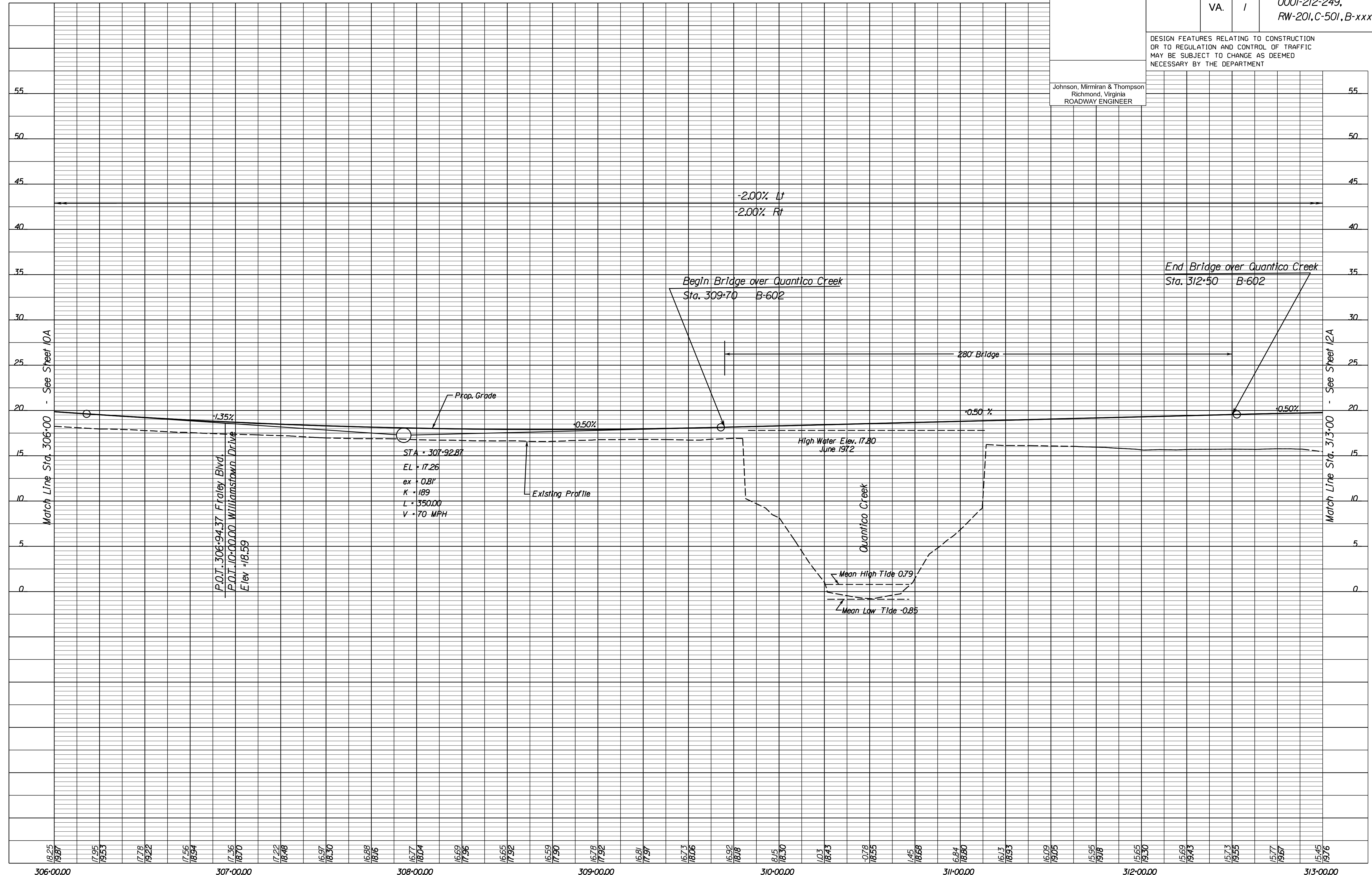
PROJECT MANAGER *HoaNg Nguyen, P.E.* (703) 792-8161 PWC, Dept. of Transportation  
 SURVEYED BY, DATE *Leo E. Treuille, L.S.* (703) 259-3224 7/17/13  
 DESIGN BY *JMT, Engineering, Inc.* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leo E. Treuille, L.S.* (703) 259-3224 7/17/13

# Route 1 Profile

REVISED	STATE		STATE		SHEET NO.
	ROUTE	PROJECT	PROJECT	PROJECT	
	VA.	1	0001-212-249, RW-201, C-501, B-xxx		11A

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER



18.25 19.87 17.95 19.53 17.78 19.22 17.56 18.94 17.36 18.70 17.22 18.48 16.97 18.30 16.88 18.16 16.77 18.04 16.69 17.96 16.65 17.92 16.59 17.90 16.78 17.92 16.81 17.91 16.73 18.06 16.92 18.18 8.15 18.30 10.3 18.43 10.78 18.55 1.45 18.68 6.84 18.80 16.73 18.93 16.09 19.05 15.95 19.18 15.65 19.30 15.69 19.43 15.73 19.55 15.77 19.67 15.45 19.76

1" = 25' (HOR.),  
1" = 5' (VERT.) PROJECT 0001-212-249 SHEET NO. 11A

R/W PLANS

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





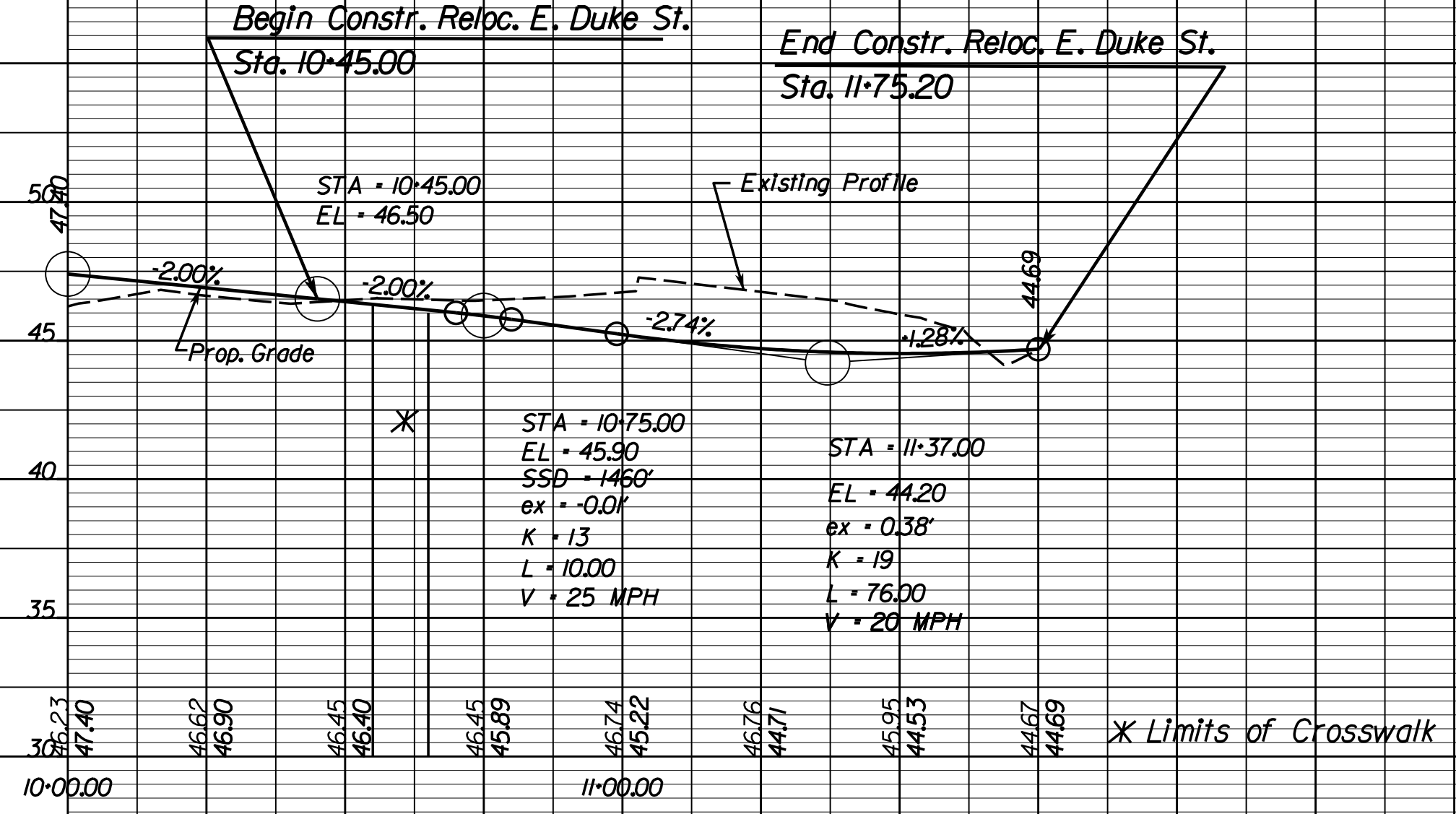
PROJECT MANAGER Hoang Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY DATE Leo E. Treuille, L.S. (703) 259-3224 7/17/13  
 DESIGN BY JMT, Englewood, (804) 323-9900  
 SUBSURFACE UTILITY BY DATE Leo E. Treuille, L.S. (703) 259-3224 7/17/13

REVISED	STATE		PROJECT		SHEET NO.
	STATE	ROUTE	PROJECT		
	VA.	1	0001-212-249, RW-201, C-501		IIB

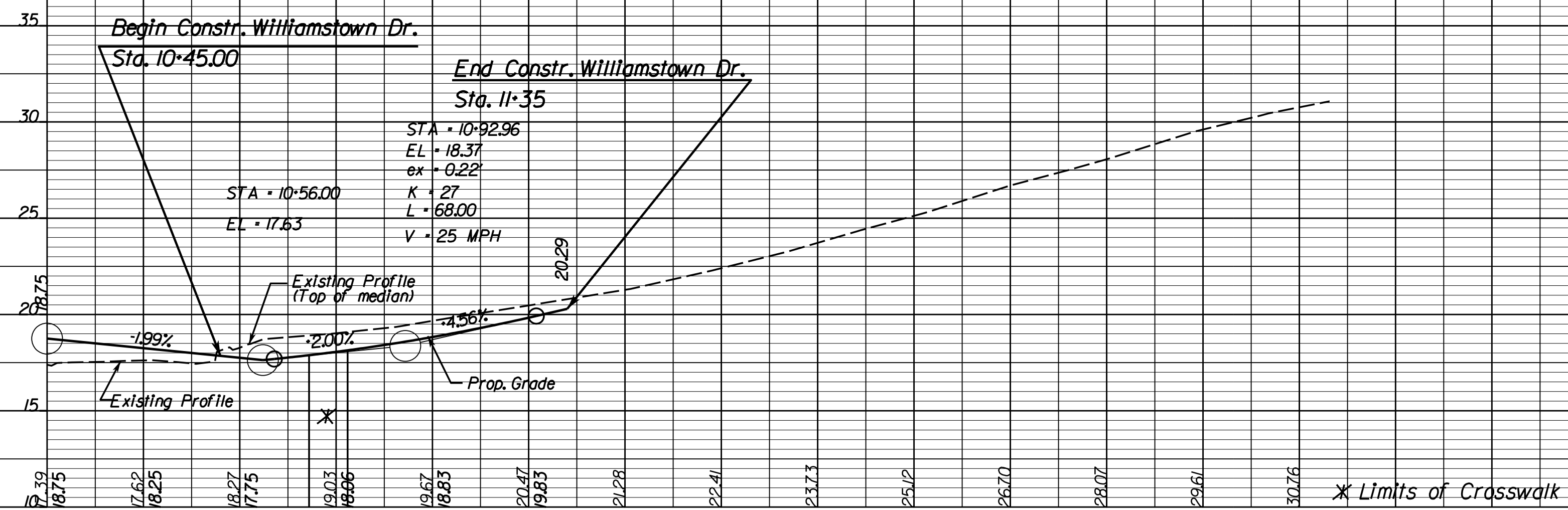
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Miriran & Thompson  
 Richmond, Virginia  
 ROADWAY ENGINEER

# Reloc. E. Duke St.



# Williamstown Dr.



1" = 25' (HOR.),  
 1" = 5' (VERT.)

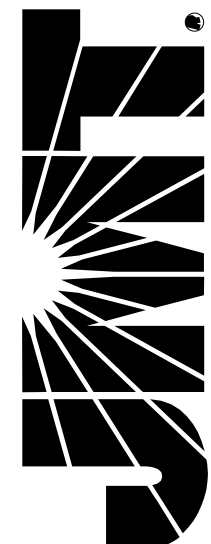
PROJECT 0001-212-249

SHEET NO. IIB

R/W PLANS

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

**JOHNSON, MIRIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER *Huong Nguyen, P.E. (703) 792-8161 PWC, Dept. of Transportation*  
SURVEYED BY, DATE *Leon E. Treutle, L.S. (703) 259-3224 7/17/13*  
DESIGN BY *JMT, Engineering, (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, L.S. (703) 259-3224 7/17/13*

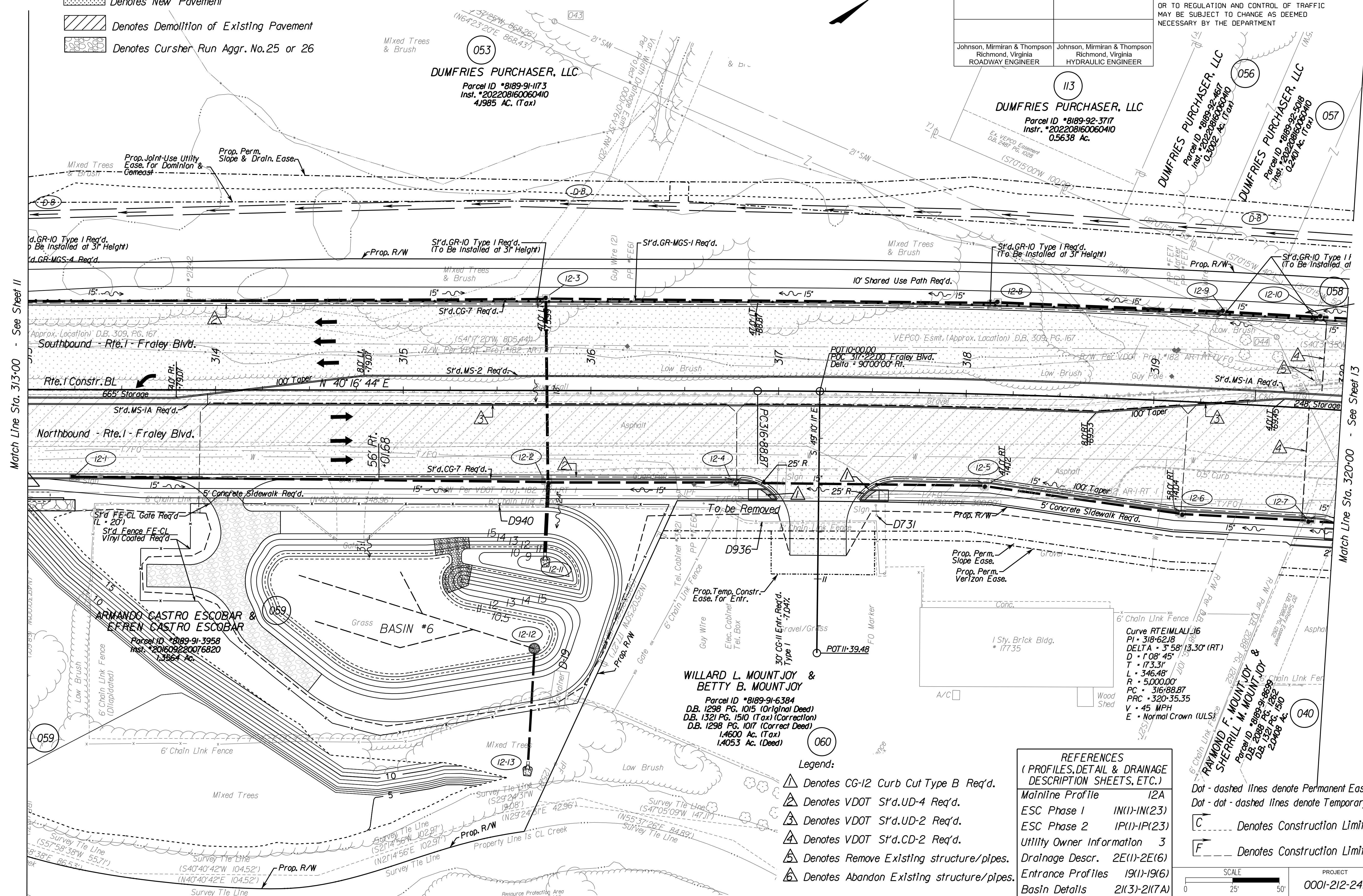
- Denotes Build-up Existing Pavement
- Denotes New Pavement
- Denotes Demolition of Existing Pavement
- Denotes Cursher Run Aggr. No.25 or 26

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201,C-501,B-xxx	12

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

Johnson, Miriran & Thompson  
Richmond, Virginia  
HYDRAULIC ENGINEER



Match Line Sta. 313+00 - See Sheet 11

Match Line Sta. 320+00 - See Sheet 13

**WILLARD L. MOUNTJOY & BETTY B. MOUNTJOY**  
Parcel ID \*8189-91-6384  
D.B. 1298 PG. 1015 (Original Deed)  
D.B. 1321 PG. 1510 (Tax) (Correction)  
D.B. 1298 PG. 1017 (Correct Deed)  
1,4600 Ac. (Tax)  
1,4053 Ac. (Deed)

**ARMANDO CASTRO ESCOBAR & EFREN CASTRO ESCOBAR**  
Parcel ID \*8189-91-3958  
Inst. \*201609220076820  
1,3564 Ac.

**REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)**

Mainline Profile	12A
ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(16)
Entrance Profiles	19(1)-19(16)
Basin Details	2I(3)-2I(7A)

- Legend:**
- Denotes CG-12 Curb Cut Type B Req'd.
  - Denotes VDOT S'd.UD-4 Req'd.
  - Denotes VDOT S'd.UD-2 Req'd.
  - Denotes VDOT S'd.CD-2 Req'd.
  - Denotes Remove Existing structure/pipes.
  - Denotes Abandon Existing structure/pipes.

- Dot - dashed lines denote Permanent Easements
- Dot - dot - dashed lines denote Temporary Easements.
- C Denotes Construction Limits in Cuts
- F Denotes Construction Limits in Fills

SCALE	PROJECT	SHEET NO.
0 25 50	0001-212-249	12

**R/W PLANS**

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





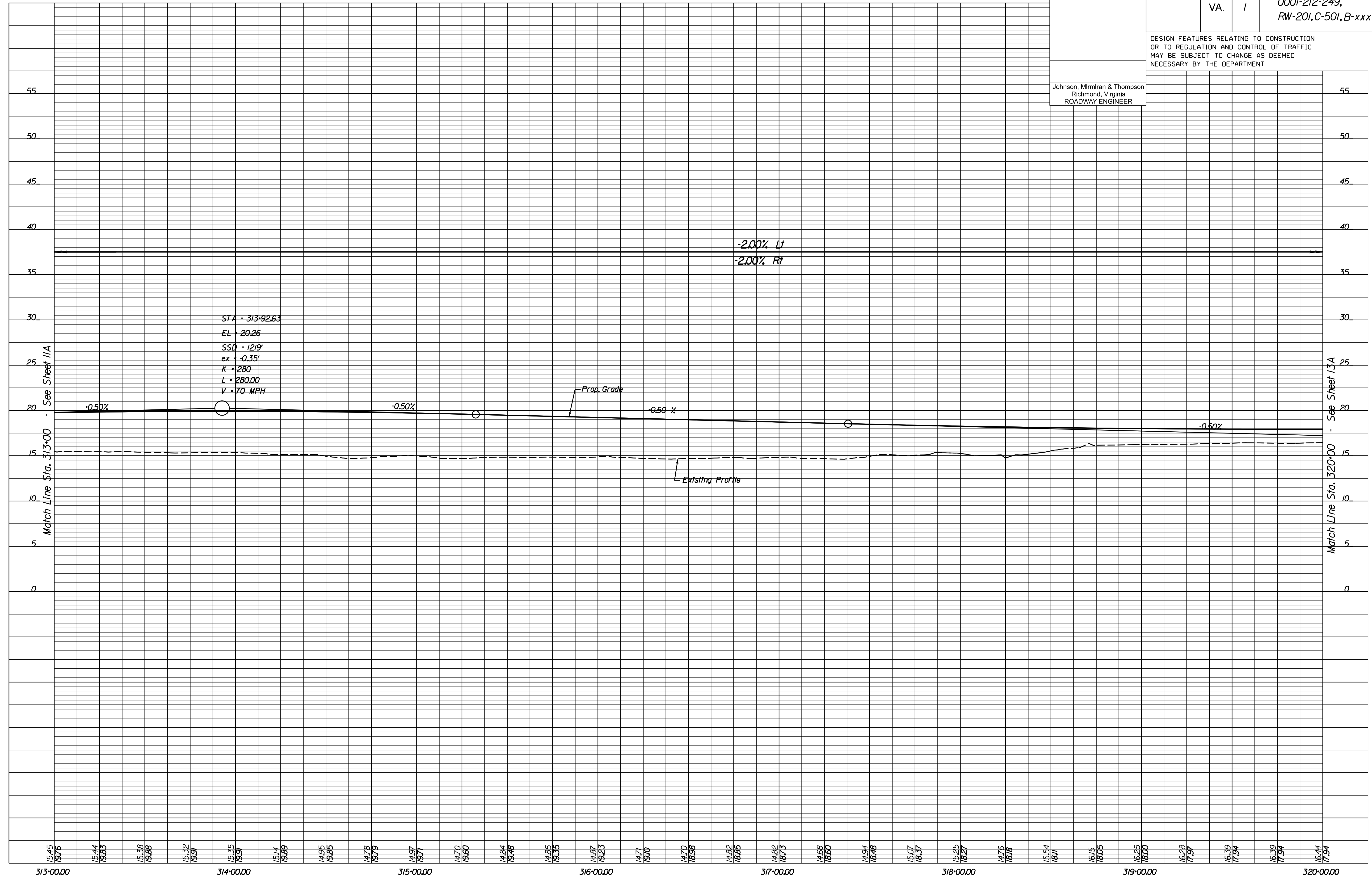
PROJECT MANAGER *HoaNguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY, DATE *Leo E. Treuille, LS* (703) 259-3224 7/17/13  
 DESIGN BY *JMT, Englehardt* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leo E. Treuille, LS* (703) 259-3224 7/17/13

# Route 1 Profile

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	1	0001-212-249, RW-201, C-501, B-xxx	12A

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER



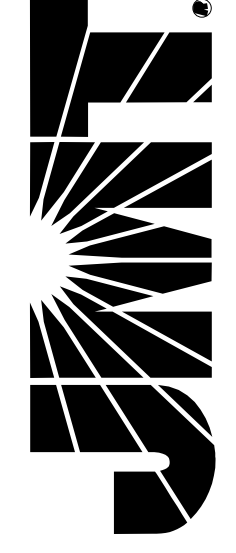
1" = 25' (HOR.),  
1" = 5' (VERT.)  
PROJECT 0001-212-249  
SHEET NO. 12A

R/W PLANS

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



**JOHNSON, MIRIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 353-9900



PROJECT MANAGER *Huong Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE *Leon E. Treatle, L.S.* (703) 259-3224 7/17/13  
DESIGN BY *JMT Engineering, (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE *Leon E. Treatle, L.S.* (703) 259-3224 7/17/13

**THE CHARLES EDWIN FOLKS REVOCABLE LIVING TRUST DATED JUNE 14, 2016 AND FOLKS FAMILY TRUST DATED JANUARY 9, 2009**

Parcel ID \*8189-92-8346  
Inst. \*201607180054808  
Inst. \*200903180024450  
0.3865 AC.

**DUMFRIES PURCHASER, LLC**  
Parcel ID \*8189-92-5018  
Inst. \*202208160060410  
0.2401 AC. (Tax)

**ACTION IN COMMUNITY THROUGH SERVICE OF PRINCE WILLIAM COUNTY**  
Parcel ID \*8189-92-6933  
Inst. \*202002250014746  
No Acreage Given

**ACTION IN COMMUNITY THROUGH SERVICE OF PRINCE WILLIAM COUNTY**  
Parcel ID \*8189-92-7336  
Inst. \*202002250014746  
No Acreage Given

**HOSSEIN PAHLAVANINEJAD & DANA ANN PAHLAVANINEJAD**  
Parcel ID \*8289-02-0056  
Inst. \*201604040023580  
Inst. \*200503150040023  
0.27 AC.

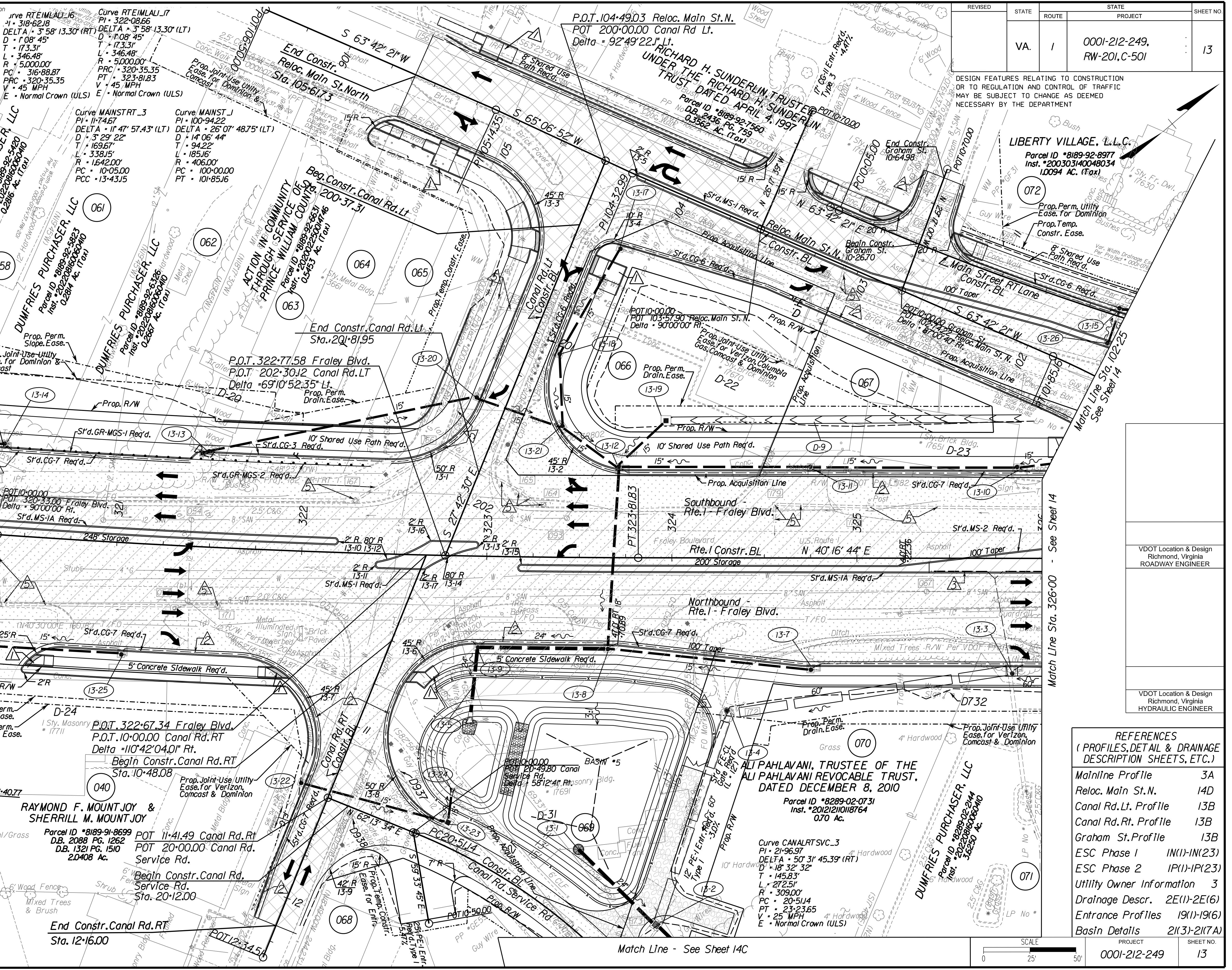
**POSSUM POINT PROPERTIES LLC**  
Parcel ID \*8289-02-0208  
Inst. \*20131223012162  
58,363 SQ. FT.

**ALI PAHLAVANI, TRUSTEE OF THE ALI PAHLAVANI REVOCABLE TRUST, DATED DECEMBER 8, 2010**  
Parcel ID \*8289-02-0125  
Inst. \*20121210118764  
1/3 AC.

**RAYMOND F. MOUNTJOY & SHERRILL M. MOUNTJOY**  
Parcel ID \*8189-91-8599  
D.B. 2088 Pg. 1262  
D.B. 1321 Pg. 1510  
2.0408 AC.

**ALI PAHLAVANI, TRUSTEE OF THE ALI PAHLAVANI REVOCABLE TRUST, DATED DECEMBER 8, 2010**  
Parcel ID \*8289-02-0731  
Inst. \*20121210118764  
0.70 AC.

**Legend:**  
▲ Denotes CG-12 Curb Cut Type B Req'd.  
▲ Denotes VDOT S'd.UD-4 Req'd.  
▲ Denotes VDOT S'd.UD-2 Req'd.  
▲ Denotes VDOT S'd.CD-2 Req'd.  
▲ Denotes Remove Existing structure/pipes.  
▲ Denotes Abandon Existing structure/pipes.  
- - - Denotes Permanent Easements  
- · - · - Denotes Temporary Easements.  
C --- Denotes Construction Limits in Cuts  
F --- Denotes Construction Limits in Fills  
▨ Denotes Build-up Existing Pavement  
▩ Denotes New Pavement  
▧ Denotes Demolition of Existing Pavement



REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201-C-501	13

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

**LIBERTY VILLAGE, L.L.C.**  
Parcel ID \*8189-92-8977  
Inst. \*200303140048034  
1.0094 AC. (Tax)

**RICHARD H. SUNDERLIN TRUST UNDER THE RICHARD H. SUNDERLIN TRUST DATED APRIL 4, 1997**  
Parcel ID \*8189-92-7560  
D.B. 2436 Pg. 759  
0.3562 AC. (Tax)

**ALI PAHLAVANI, TRUSTEE OF THE ALI PAHLAVANI REVOCABLE TRUST, DATED DECEMBER 8, 2010**  
Parcel ID \*8289-02-0731  
Inst. \*20121210118764  
0.70 AC.

**ALI PAHLAVANI, TRUSTEE OF THE ALI PAHLAVANI REVOCABLE TRUST, DATED DECEMBER 8, 2010**  
Parcel ID \*8289-02-0731  
Inst. \*20121210118764  
0.70 AC.

**ALI PAHLAVANI, TRUSTEE OF THE ALI PAHLAVANI REVOCABLE TRUST, DATED DECEMBER 8, 2010**  
Parcel ID \*8289-02-0731  
Inst. \*20121210118764  
0.70 AC.

**ALI PAHLAVANI, TRUSTEE OF THE ALI PAHLAVANI REVOCABLE TRUST, DATED DECEMBER 8, 2010**  
Parcel ID \*8289-02-0731  
Inst. \*20121210118764  
0.70 AC.

**ALI PAHLAVANI, TRUSTEE OF THE ALI PAHLAVANI REVOCABLE TRUST, DATED DECEMBER 8, 2010**  
Parcel ID \*8289-02-0731  
Inst. \*20121210118764  
0.70 AC.

**ALI PAHLAVANI, TRUSTEE OF THE ALI PAHLAVANI REVOCABLE TRUST, DATED DECEMBER 8, 2010**  
Parcel ID \*8289-02-0731  
Inst. \*20121210118764  
0.70 AC.

PROJECT	SHEET NO.
0001-212-249	13

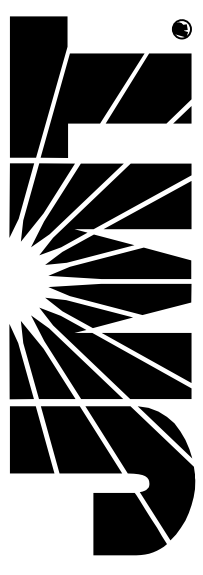
SCALE 0 25' 50'

R/W PLANS

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



**JOHNSON, MIRIRAN & THOMPSON**  
 10000 Forearm Parkway  
 Suite 400  
 Richmond, Virginia 23226  
 Phone: (804) 323-9900



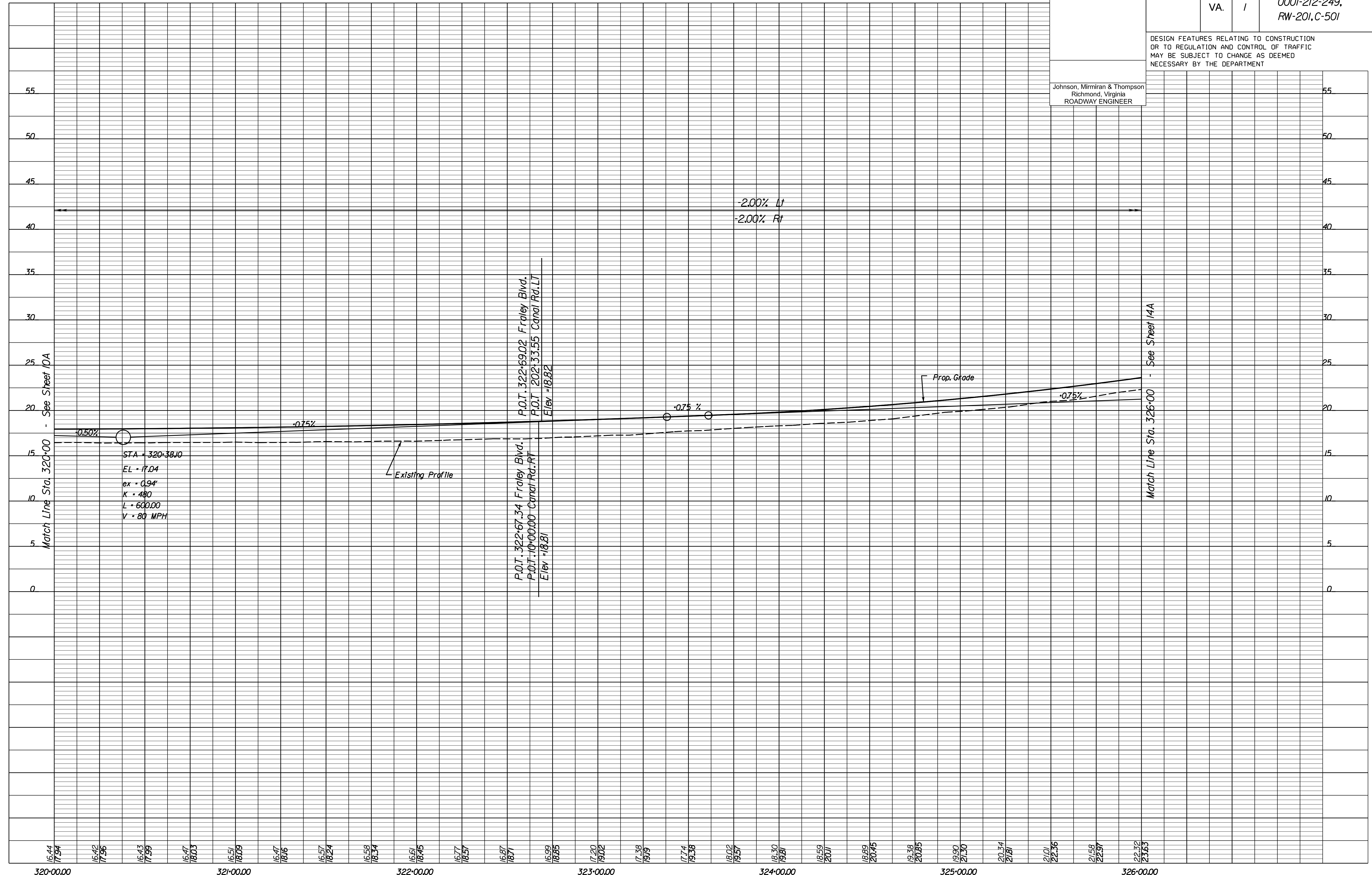
PROJECT MANAGER *Houng Nguyen, P.E.* (703) 792-8161 PWC, Dept. of Transportation  
 SURVEYED BY, DATE *Leo E. Treuille, L.S.* (703) 259-3224 7/17/13  
 DESIGN BY *JMT, Englewood, Inc.* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leo E. Treuille, L.S.* (703) 259-3224 7/17/13

# Route 1 Profile

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE 1		
			0001-212-249, RW-201, C-501	13A

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

Johnson, Miriran & Thompson  
 Richmond, Virginia  
 ROADWAY ENGINEER



1" = 25' (HOR.),  
 1" = 5' (VERT.)

PROJECT 0001-212-249

SHEET NO. 13A

R/W PLANS

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

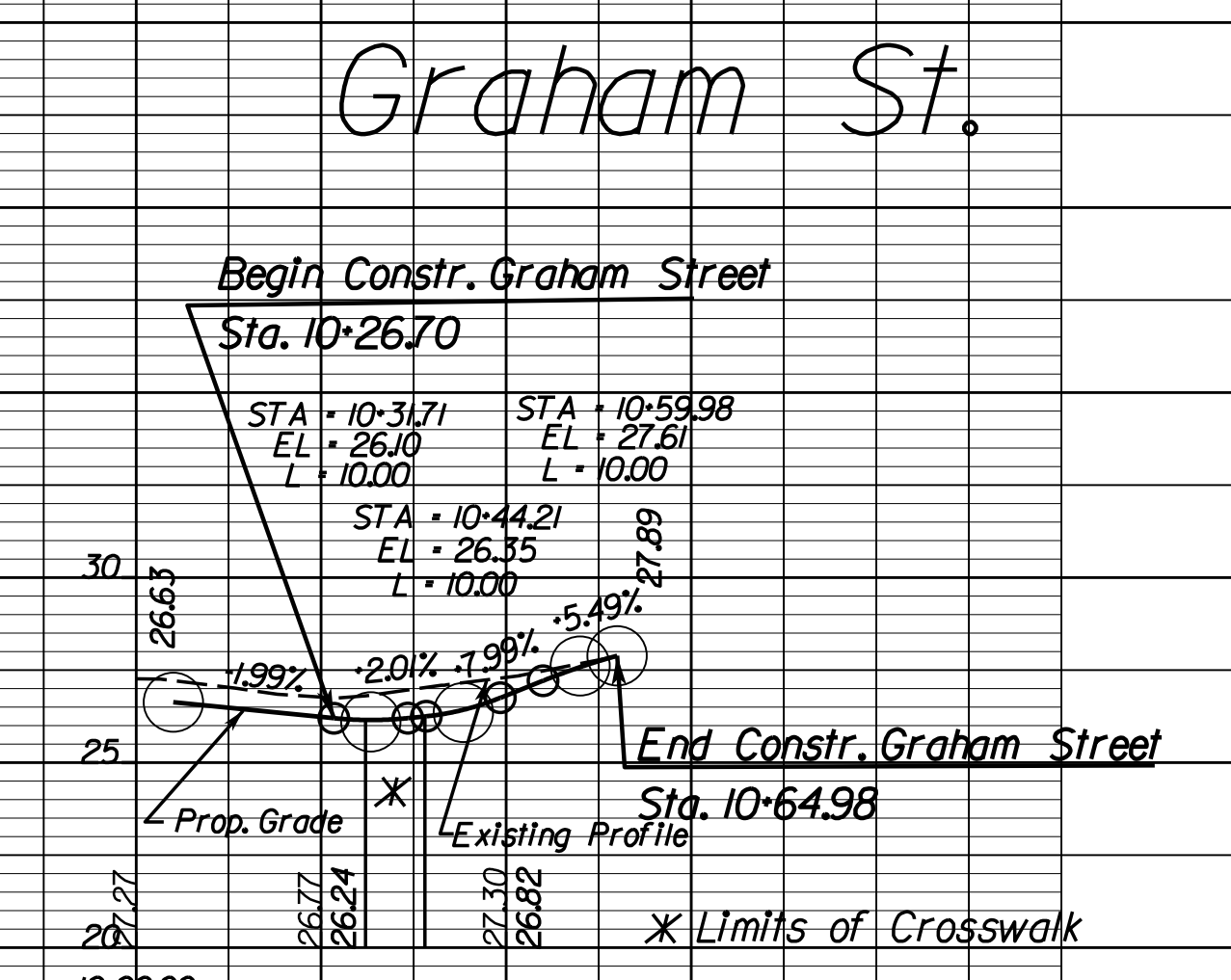
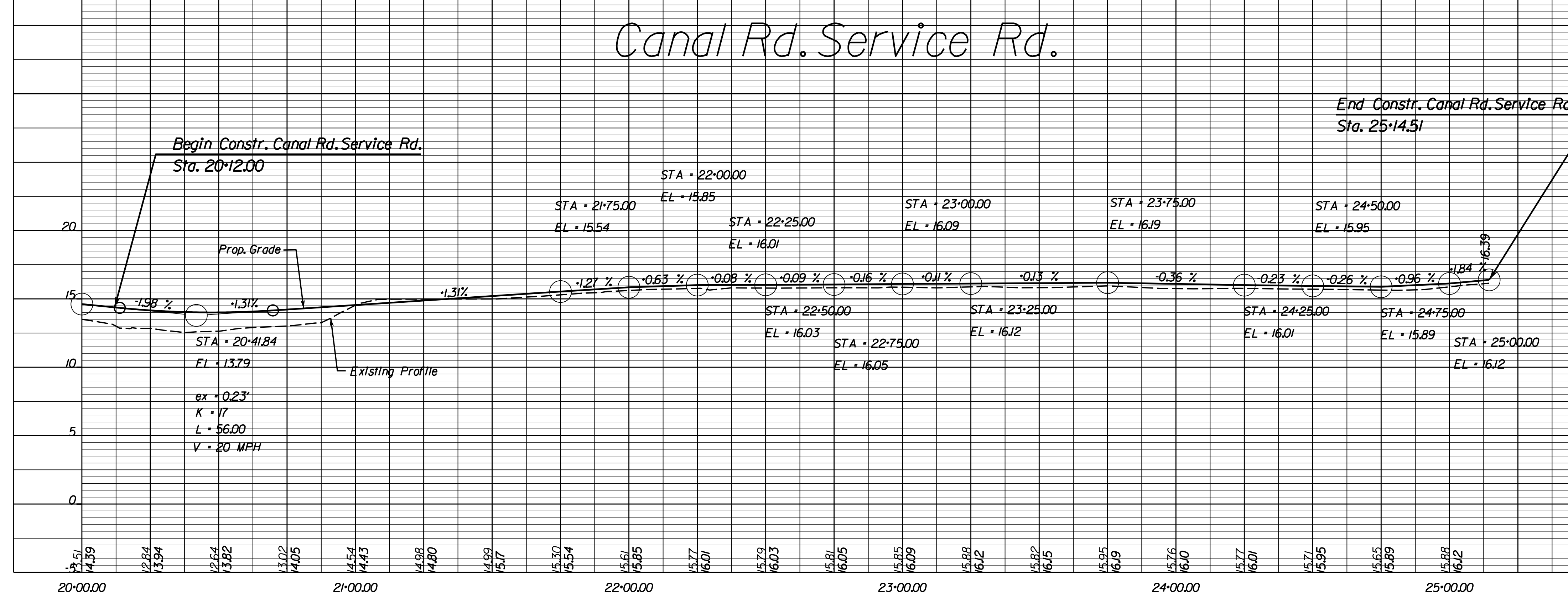
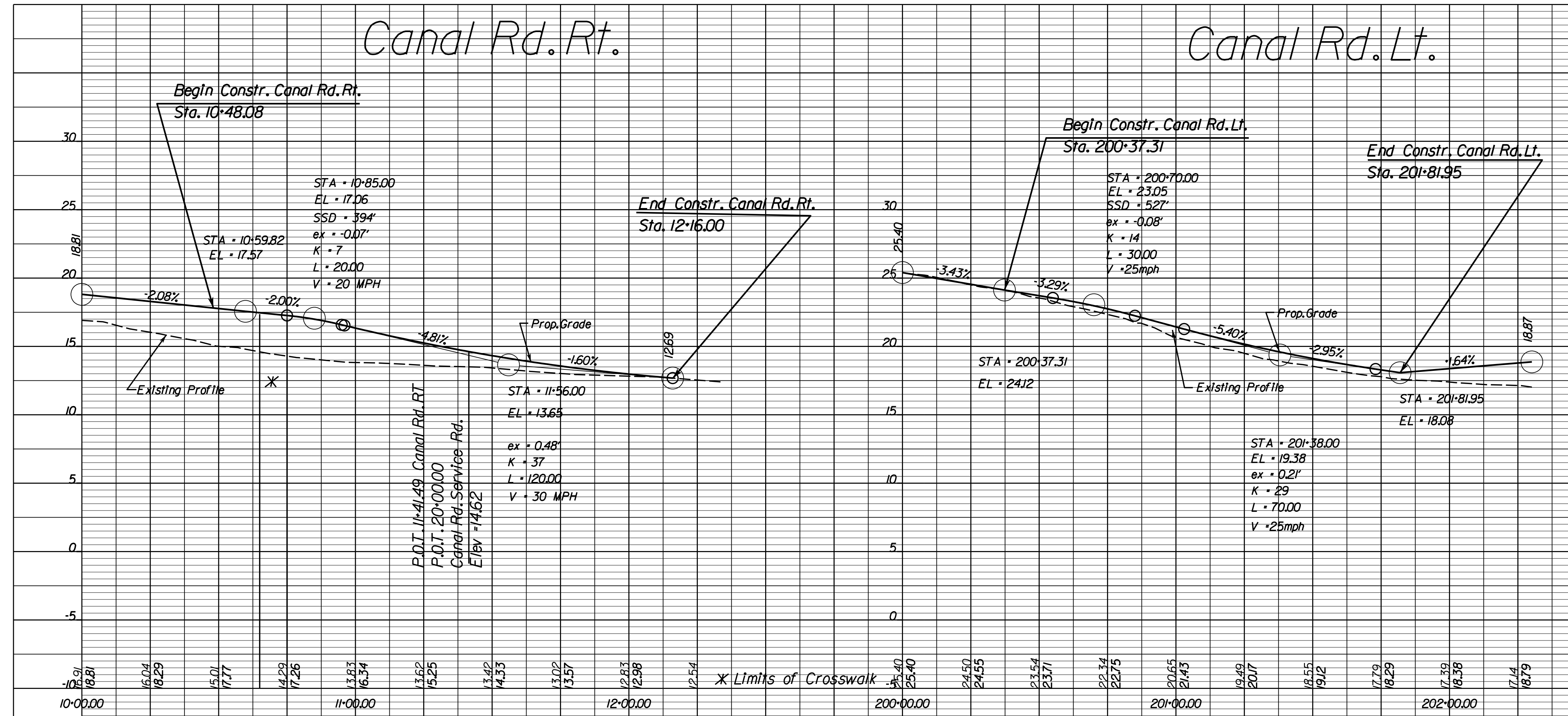


PROJECT MANAGER: Hoang Nguyen, P.E., (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY: DATE Leo E. Treuille, LS, (703) 259-3224 7/17/13  
 DESIGN BY: JMT, Englewood, (804) 323-9900  
 SUBSURFACE UTILITY BY: DATE Leo E. Treuille, LS, (703) 259-3224 7/17/13

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE 1		
			0001-212-249, RW-201, C-501	13B

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

Johnson, Miriran & Thompson  
 Richmond, Virginia  
 ROADWAY ENGINEER



1" = 25' (HOR.)  
 1" = 5' (VERT.)

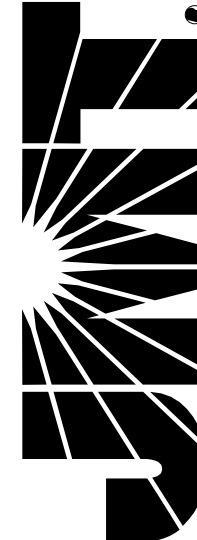
PROJECT: 0001-212-249  
 SHEET NO.: 13B

R/W PLANS

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**JOHNSON, MIRIMIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia, 23236  
Phone: (804) 323-9900



PROJECT MANAGER: *Headroom Nguyen, P.E. (703) 792-8161 PWC, Dept. of Transportation*  
SURVEYED BY, DATE: *Leon E. Treutle, L.S. (703) 259-3224 7/17/23*  
DESIGN BY: *JMT, Engineering, (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, L.S. (703) 259-3224 7/17/23*

**HOSSEIN PAHLAVANINEJAD & DANA ANN PAHLAVANINEJAD**  
Parcel ID \*8289-02-0056  
D.B. 2338 PG. 1022  
Inst. \*201604040023580  
Inst. \*200503150040023  
0.27 Ac.

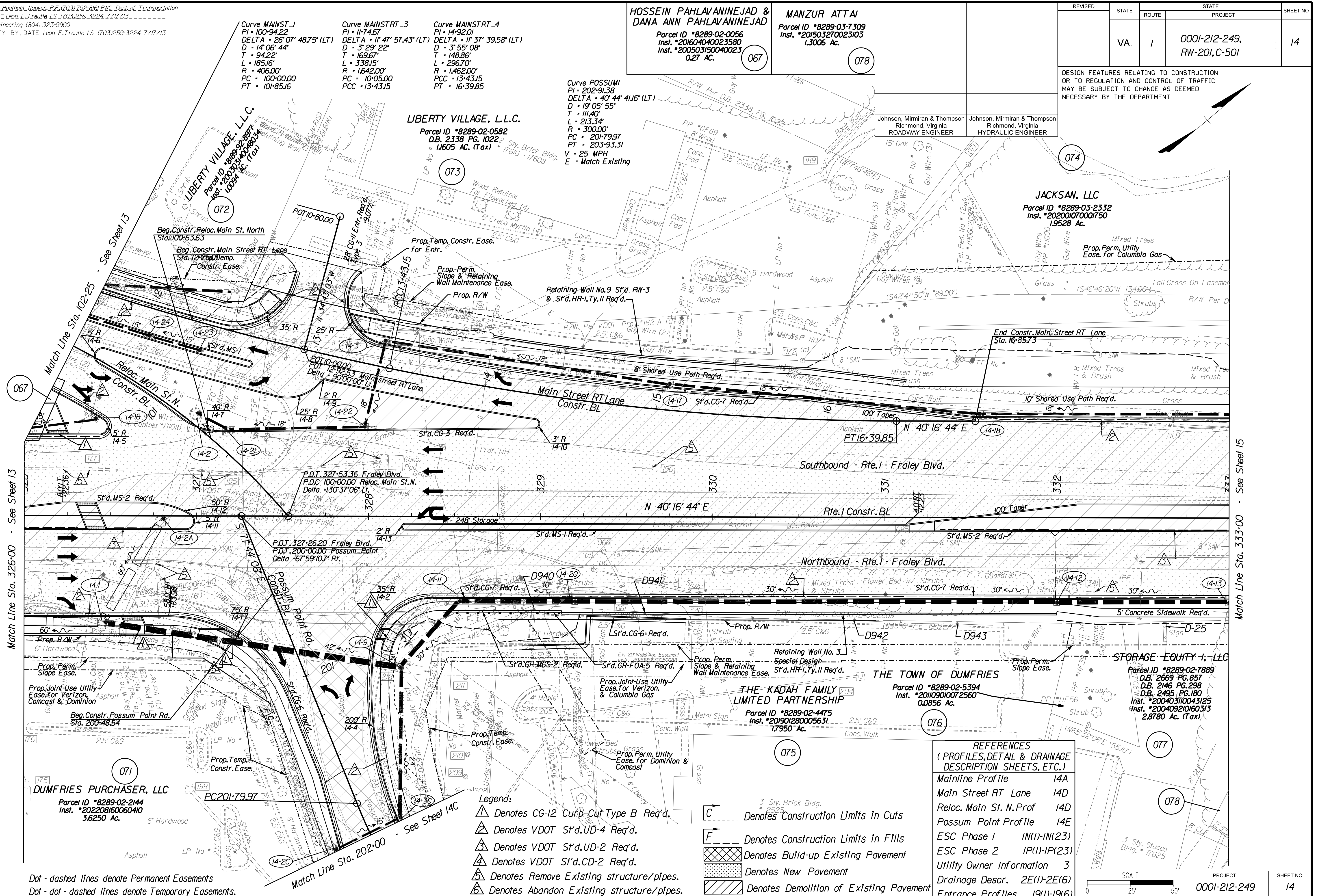
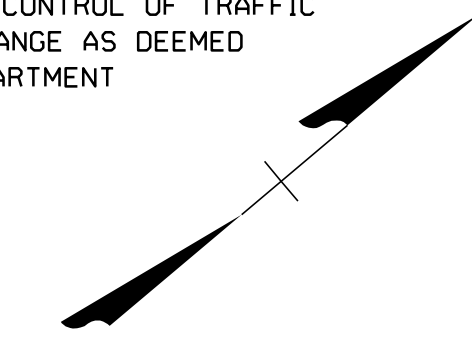
**MANZUR ATTAI**  
Parcel ID \*8289-03-7309  
Inst. \*201503270023103  
1.3006 Ac.

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	1		0001-212-249, RW-201, C-501	14

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

Johnson, Mirimiran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

Johnson, Mirimiran & Thompson  
Richmond, Virginia  
HYDRAULIC ENGINEER



Match Line Sta. 326+00 - See Sheet 13

Match Line Sta. 102+25 - See Sheet 13

Match Line Sta. 333+00 - See Sheet 15

Dot - dashed lines denote Permanent Easements  
Dot - dot - dashed lines denote Temporary Easements.

**Curve MAINSTRT\_3**  
PI • 11-74.67  
DELTA • 11° 47' 57.43" (LT)  
D • 3' 29' 22"  
T • 169.67'  
L • 338.15'  
R • 1.642.00'  
PC • 10-05.00  
PT • 13-43.15  
PCC • 13-43.15

**Curve MAINSTRT\_4**  
PI • 14-92.01  
DELTA • 11° 37' 39.58" (LT)  
D • 3' 55' 08"  
T • 148.86'  
L • 296.70'  
R • 1.462.00'  
PC • 13-43.15  
PT • 16-39.85

**Curve POSSUMI**  
PI • 202-91.38  
DELTA • 40° 44' 41.16" (LT)  
D • 19' 05' 55"  
T • 111.40'  
L • 213.34'  
R • 300.00'  
PC • 201-79.97  
PT • 203-93.31  
V • 25 MPH  
E • Match Existing

**LIBERTY VILLAGE, L.L.C.**  
Parcel ID \*8289-02-0582  
D.B. 2338 PG. 1022  
Inst. \*1605 Ac. (Tax)

**JACKSON, LLC**  
Parcel ID \*8289-03-2332  
Inst. \*202001070001750  
1.9528 Ac.

**DUMFRIES PURCHASER, LLC**  
Parcel ID \*8289-02-2144  
Inst. \*202208160060410  
3.6250 Ac.

**THE KADAH FAMILY LIMITED PARTNERSHIP**  
Parcel ID \*8289-02-4475  
Inst. \*201901280005631  
1.7950 Ac.

**THE TOWN OF DUMFRIES**  
Parcel ID \*8289-02-5394  
Inst. \*2010910072560  
0.0856 Ac.

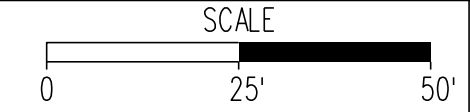
**STORAGE EQUITY I, LLC**  
Parcel ID \*8289-02-7889  
D.B. 2669 PG. 857  
D.B. 2146 PG. 298  
D.B. 2495 PG. 180  
Inst. \*20040310043125  
Inst. \*200409210160313  
2.8780 Ac. (Tax)

- Legend:**
- ▲ Denotes CG-12 Curb-Cut Type B Req'd.
  - ▲ Denotes VDOT S'd.UD-4 Req'd.
  - ▲ Denotes VDOT S'd.UD-2 Req'd.
  - ▲ Denotes VDOT S'd.CD-2 Req'd.
  - ▲ Denotes Remove Existing structure/pipes.
  - ▲ Denotes Abandon Existing structure/pipes.

- C Denotes Construction Limits in Cuts
- F Denotes Construction Limits in Fills
- ▨ Denotes Build-up Existing Pavement
- ▨ Denotes New Pavement
- ▨ Denotes Demolition of Existing Pavement

**REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)**

Mainline Profile	14A
Main Street RT Lane	14D
Reloc. Main St. N Prof	14D
Possum Point Profile	14E
ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(6)
Entrance Profiles	19(1)-19(6)



PROJECT	SHEET NO.
0001-212-249	14

R/W PLANS

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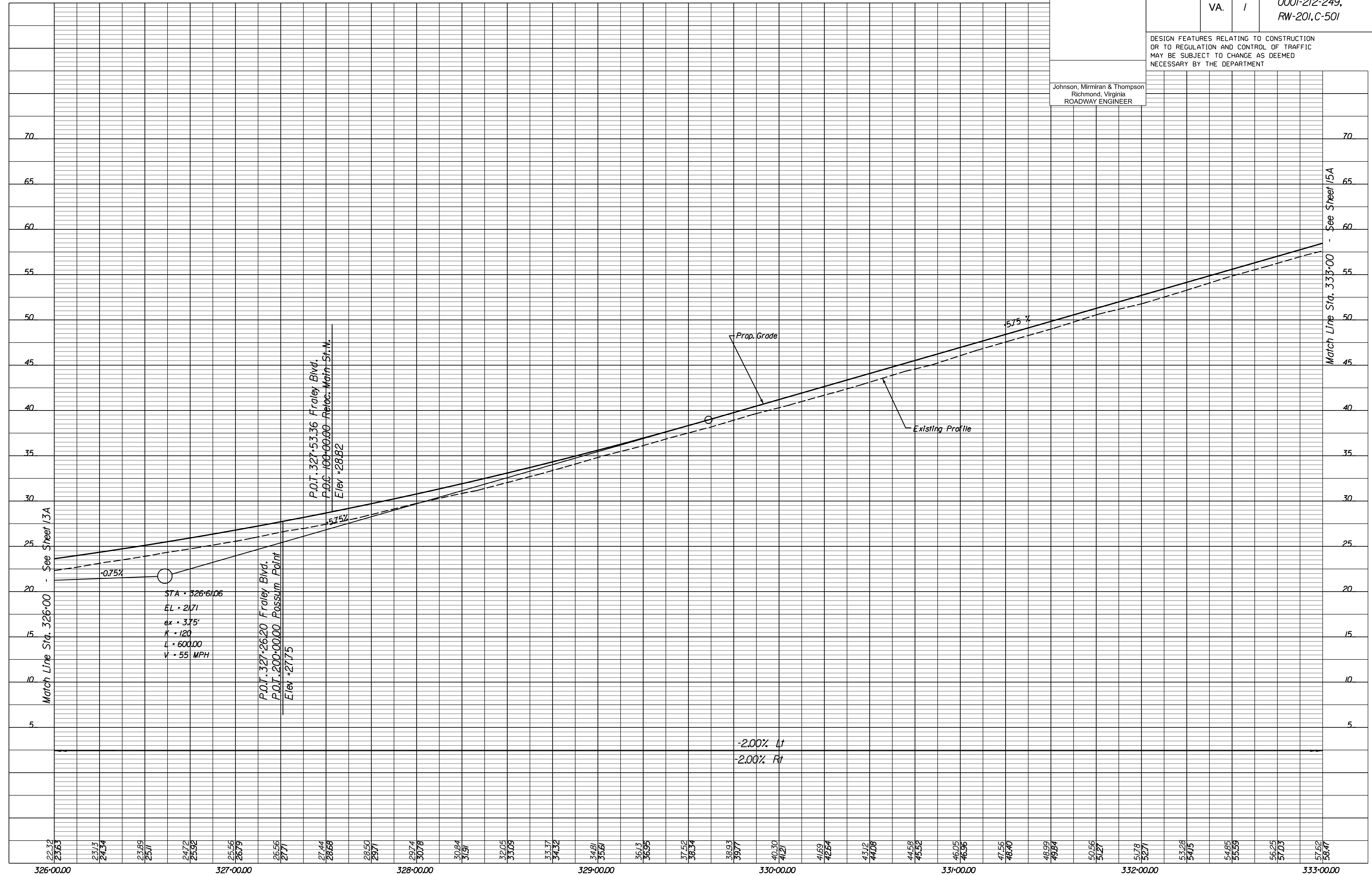
PROJECT MANAGER: *Haalim Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY: DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/23  
 DESIGN BY: *JMT, Engineering, Inc.* (804) 323-9900  
 SUBSURFACE UTILITY BY: DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/23

# Route 1 Profile

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	1	0001-212-249, RW-201, C-501	14A

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER



Match Line Sta. 333+00 - See Sheet 15A

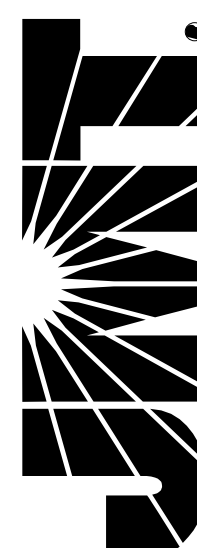
326+00.00 22.32 23.63 23.13 24.34 23.85 25.11 24.72 25.92 25.56 26.79 26.56 27.71 27.44 28.68 28.50 29.71 29.74 30.78 30.84 31.91 32.05 33.09 33.37 34.38 34.81 35.61 36.13 36.95 37.52 38.54 38.93 39.77 40.30 41.21 41.69 42.54 43.12 44.08 44.58 45.52 46.05 46.96 47.56 48.40 48.99 49.94 50.56 51.27 51.78 52.71 53.28 54.15 54.85 55.69 56.25 57.03 57.62 58.47

1" = 25' (HOR.)  
1" = 5' (VERT.)  
PROJECT 0001-212-249  
SHEET NO. 14A

R/W PLANS

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





PROJECT MANAGER: *Hoa Lam Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE: *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13  
DESIGN BY: *JMT Engineering* (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13

**Legend:**

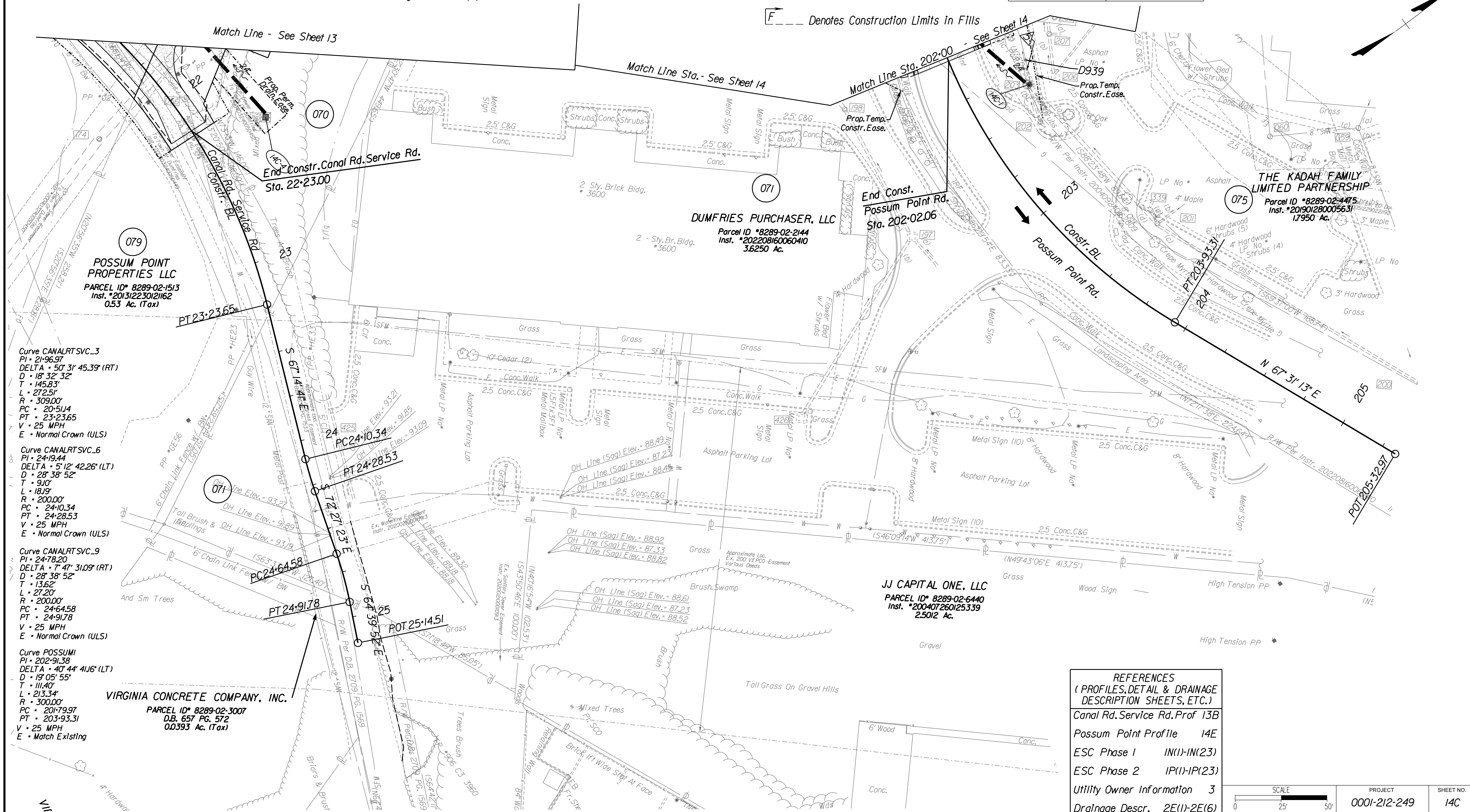
- △ Denotes CG-12 Curb Cut Type B Req'd.
- △ Denotes VDOT St'd.UD-4 Req'd.
- △ Denotes VDOT St'd.UD-2 Req'd.
- △ Denotes VDOT St'd.CD-2 Req'd.
- △ Denotes Remove Existing structure/pipes.
- △ Denotes Abandon Existing structure/pipes.

- ▨ Denotes Build-up Existing Pavement
- ▨ Denotes New Pavement
- ▨ Denotes Demolition of Existing Pavement
- Denotes Permanent Easements
- · - · - Denotes Temporary Easements.
- C --- Denotes Construction Limits in Cuts
- F --- Denotes Construction Limits in Fills

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	1		0001-212-249, RW-201,C-501	14C

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

Johnson, Miriran & Thompson Richmond, Virginia ROADWAY ENGINEER	Johnson, Miriran & Thompson Richmond, Virginia HYDRAULIC ENGINEER
---	---



**Curve CANALRTSVC\_3**  
PI • 21+96.97  
DELTA • 50° 31' 45.39" (RT)  
D • 18° 32' 32"  
T • 145.83'  
L • 272.51'  
R • 309.00'  
PC • 20+51.4  
PT • 23+23.65  
V • 25 MPH  
E • Normal Crown (ULS)

**Curve CANALRTSVC\_6**  
PI • 24+19.44  
DELTA • 5° 12' 42.26" (LT)  
D • 28° 38' 52"  
T • 91.0'  
L • 181.9'  
R • 200.00'  
PC • 24+10.34  
PT • 24+28.53  
V • 25 MPH  
E • Normal Crown (ULS)

**Curve CANALRTSVC\_9**  
PI • 24+78.20  
DELTA • 7° 47' 31.09" (RT)  
D • 28° 38' 52"  
T • 13.62'  
L • 27.20'  
R • 200.00'  
PC • 24+64.58  
PT • 24+91.78  
V • 25 MPH  
E • Normal Crown (ULS)

**Curve POSSUMI**  
PI • 202+91.38  
DELTA • 40° 44' 41.6" (LT)  
D • 19° 05' 55"  
T • 111.40'  
L • 213.34'  
R • 300.00'  
PC • 201+79.97  
PT • 203+93.31  
V • 25 MPH  
E • Match Existing

**VIRGINIA CONCRETE COMPANY, INC.**  
PARCEL ID\* 8289-02-3007  
D.B. 657 PG. 572  
0.0393 Ac. (Tax)

**DUMFRIES PURCHASER, LLC**  
Parcel ID \*8289-02-2144  
Inst. \*202208160060410  
3.6250 Ac.

**JJ CAPITAL ONE, LLC**  
PARCEL ID\* 8289-02-6440  
Inst. \*200407260125339  
2.5012 Ac.

**THE KADAH FAMILY LIMITED PARTNERSHIP**  
Parcel ID \*8289-02-4475  
Inst. \*201901280005631  
1.7950 Ac.

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

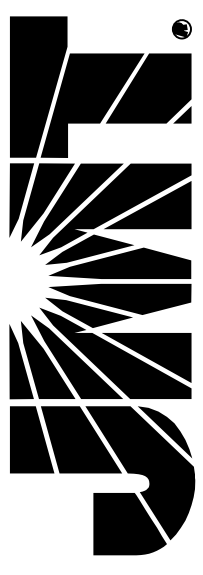
Canal Rd. Service Rd. Prof 13B	
Possum Point Profile	14E
ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(6)

SCALE 0 25 50'	PROJECT 0001-212-249	SHEET NO. 14C
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**R/W PLANS**

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

**JOHNSON, MIRIRAN & THOMPSON**  
10000 Westpark Parkway  
Suite 400  
Richmond, Virginia 23226  
Phone: (804) 323-9900



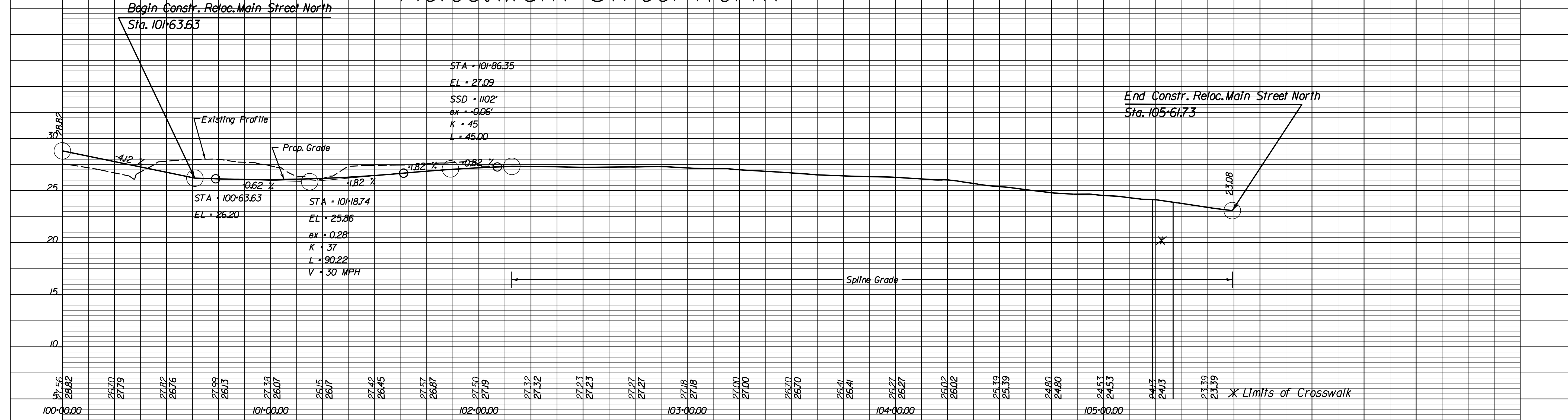
PROJECT MANAGER: *HoaNg Nguyen, P.E.* (703) 792-8161 PWC, Dept. of Transportation  
SURVEYED BY: DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/13  
DESIGN BY: *JMT, Engineering* (804) 323-9900  
SUBSURFACE UTILITY BY: DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/13

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE 1		
			0001-212-249, RW-201, C-501	14D

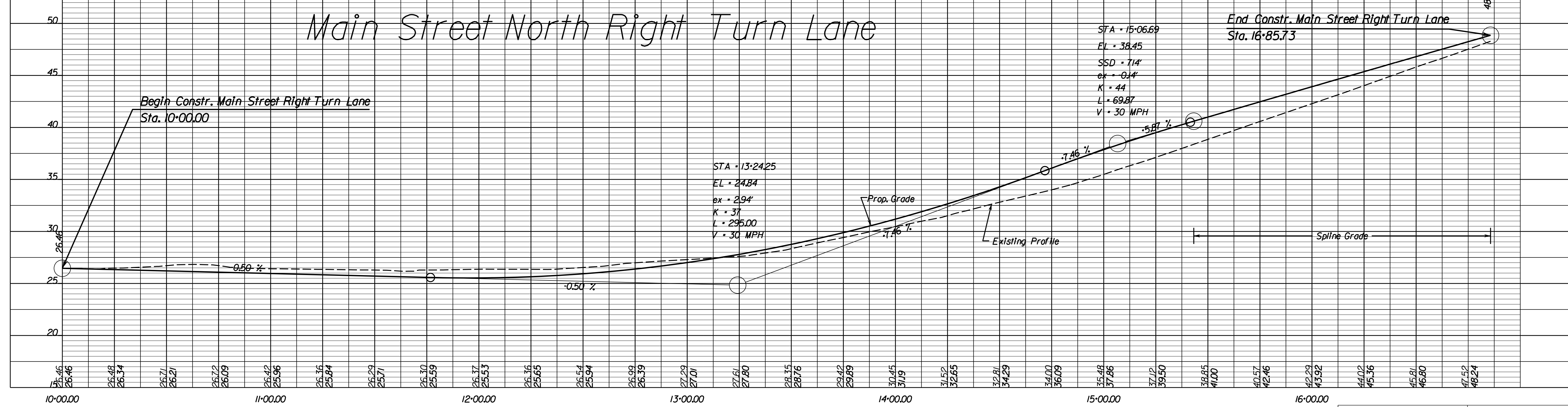
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

## Reloc. Main Street North



## Main Street North Right Turn Lane



1" = 25' (HOR.)  
1" = 5' (VERT.)

PROJECT 0001-212-249  
SHEET NO. 14D

R/W PLANS

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



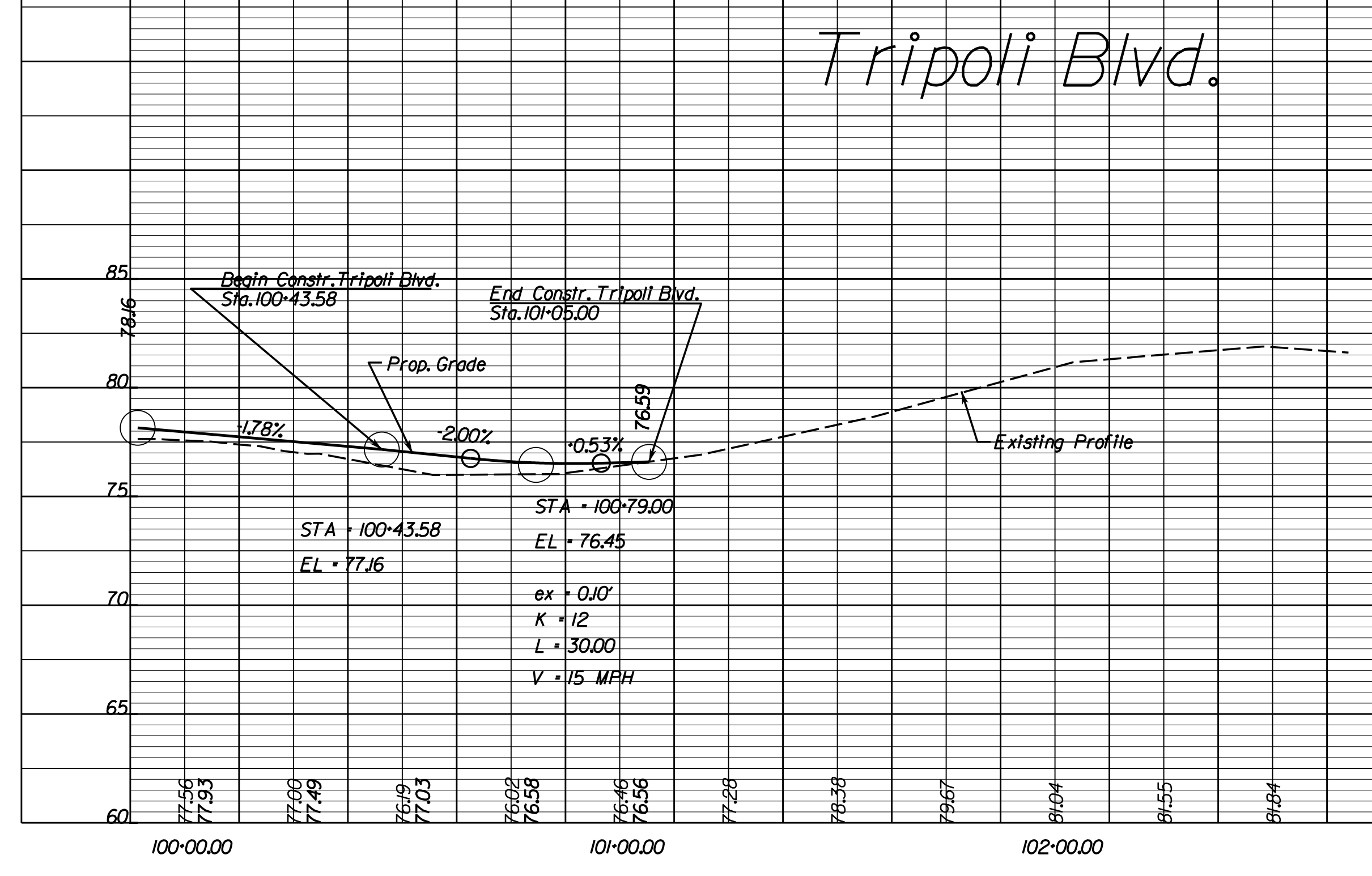
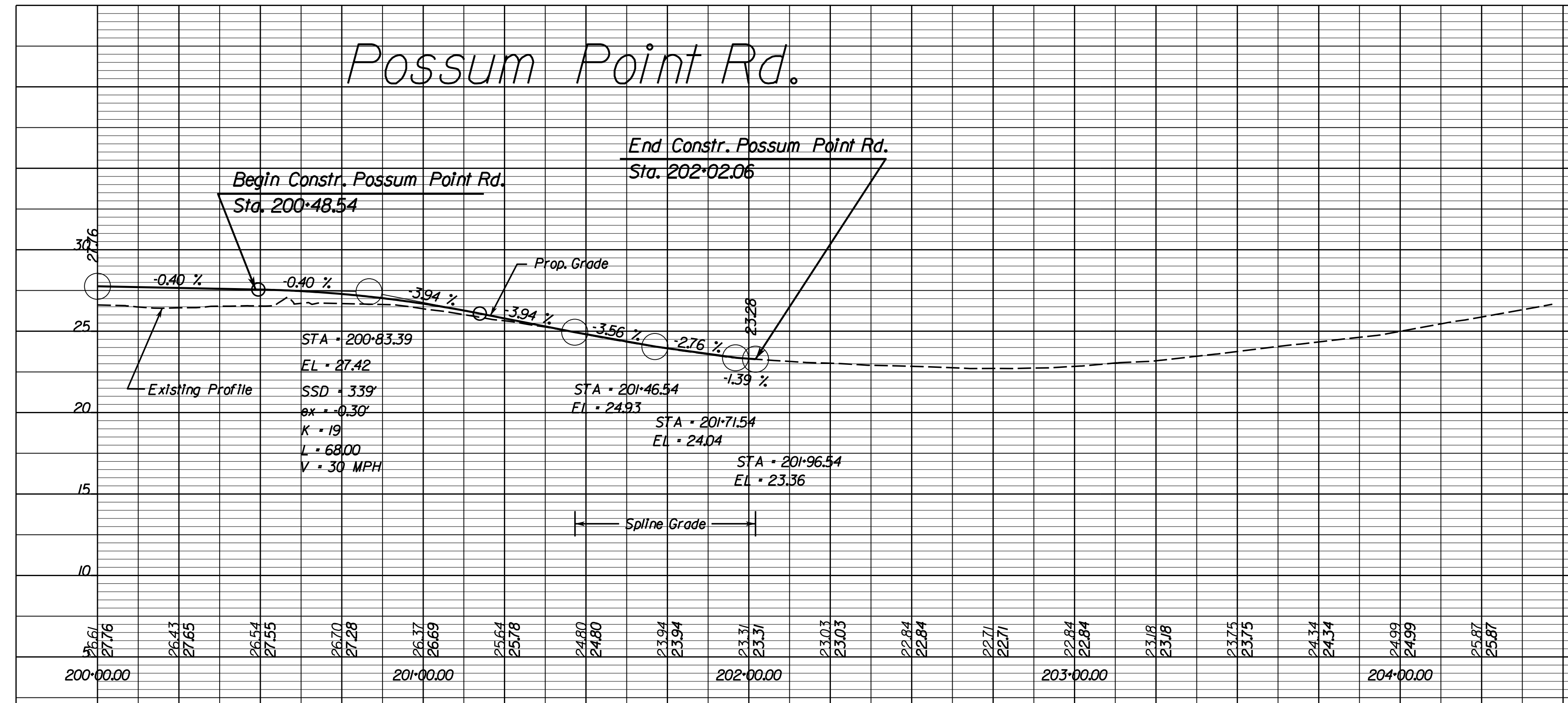


PROJECT MANAGER: *HoaNguyen, P.E.* (703) 792-8161 PWC, Dept. of Transportation  
 SURVEYED BY: DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/13  
 DESIGN BY: *JMT, Engineering, Inc.* (804) 323-9900  
 SUBSURFACE UTILITY BY: DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/13

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	1	0001-212-249, RW-201, C-501	14E

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER



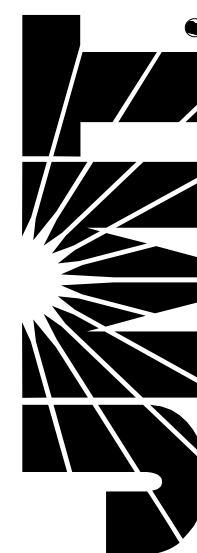
1" = 25' (HOR.) 1" = 5' (VERT.)	PROJECT 0001-212-249	SHEET NO. 14E
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R/W PLANS

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



**JOHNSON, MIRIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER: *Hoa Lam Nguyen, P.E.* (703) 792-8161 PWC, Dept. of Transportation  
SURVEYED BY, DATE: *Leao E. Treatle, LS* (703) 325-3224 7/17/13  
DESIGN BY: *JMT, Engineering* (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: *Leao E. Treatle, LS* (703) 325-3224 7/17/13

**REO'S TATOOING, INC.**  
Parcel ID \*8289-03-6456  
Inst. \*201305310055253  
Inst. \*200108200086136  
0.4517 Ac.

**STORAGE EQUITY I, LLC**  
Parcel ID \*8289-02-7889  
D.B. 2669 PG. 857  
D.B. 2146 PG. 298  
D.B. 2495 PG. 180  
Inst. \*20040310043125  
Inst. \*200409210160313  
2.8780 Ac. (Tax)

**C & J II, LLC**  
Parcel ID \*8289-03-8133  
Inst. \*201006230053516  
0.39 Ac.

**FOLKS FAMILY TRUST & THE CHARLES EDWIN FOLKS REVOCABLE LIVING TRUST**  
Parcel ID \*8289-03-9842  
Inst. \*200903180024445  
Inst. \*201606290049204  
Inst. \*201008270074417  
0.8010 Ac.

**ROSEMARY R. ALTOMARE**  
Parcel ID \*8289-13-0645  
D.B. 254 PG. 339  
D.B. 171 PG. 330  
0.232 Ac.

**ROSEMARY R. ALTOMARE**  
Parcel ID \*8289-13-1252  
D.B. 171 PG. 330  
1.098 Ac.

**QUINN JAMIN, LLC**  
Parcel ID \*8289-03-3642  
Inst. \*202207290056789  
1.5743 Ac.

**STEPHEN J. NEUBERGER, TRUSTEE, AND HIS SUCCESSORS IN TRUST, OF THE JOSEPH PALAGRUTO LIVING TRUST DATED MAY 4, 2010**  
Parcel ID \*8289-03-3642  
Inst. \*202207290056789  
1.5743 Ac.

**HELEN H. HODGES-MOORE**  
Parcel ID \*8289-03-5646  
Inst. \*20120270014919  
Inst. \*200504010051934  
15300 Sq. Ft.

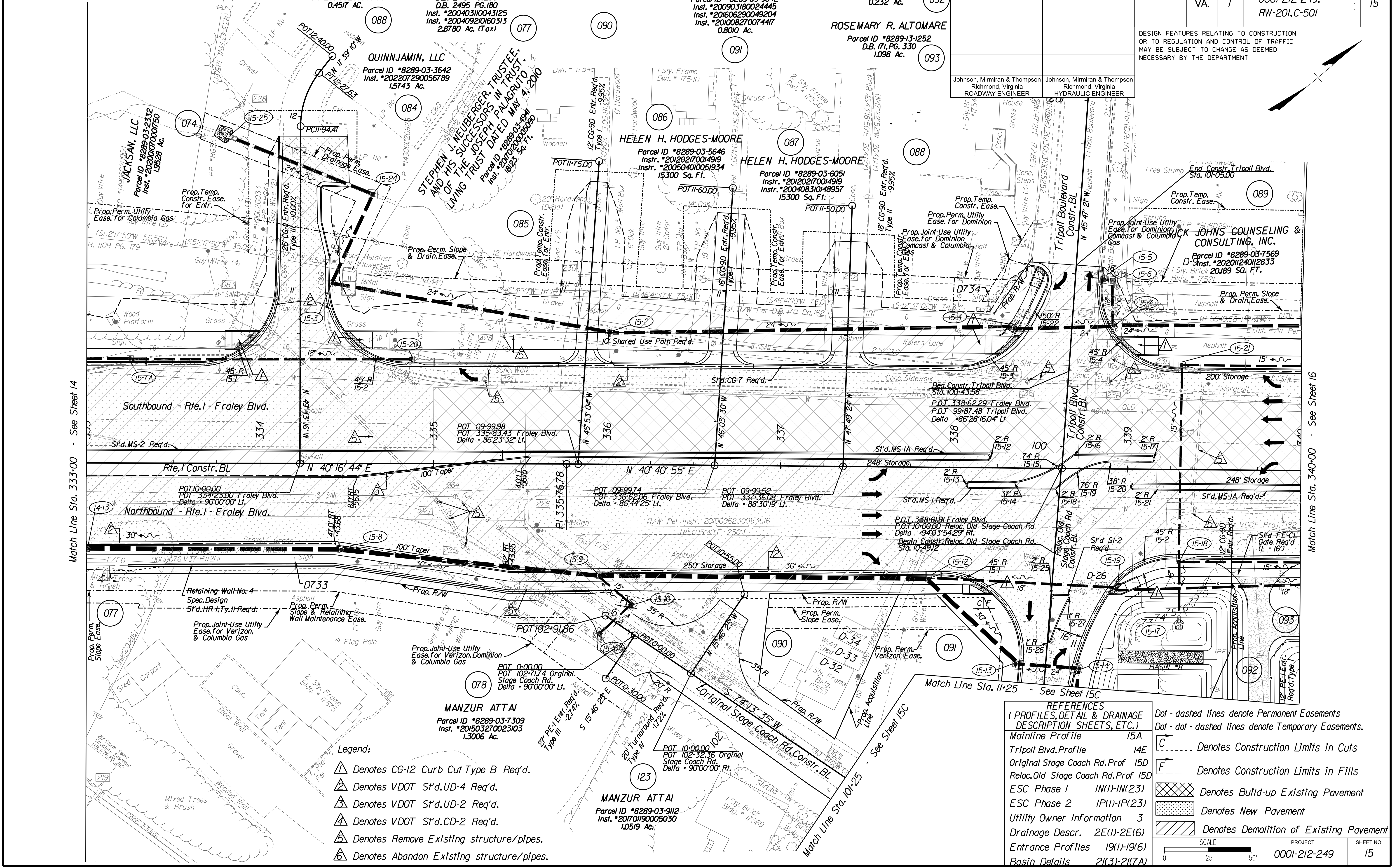
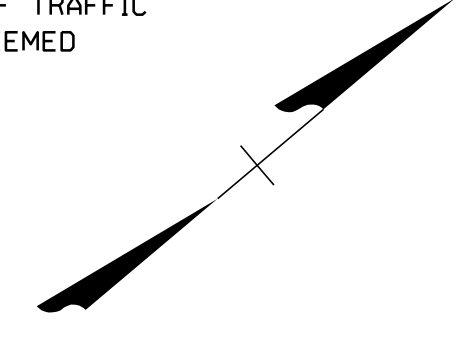
**HELEN H. HODGES-MOORE**  
Parcel ID \*8289-03-6051  
Inst. \*20120270014919  
Inst. \*200408310148957  
15300 Sq. Ft.

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	15

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

Johnson, Miriran & Thompson  
Richmond, Virginia  
HYDRAULIC ENGINEER



Match Line Sta. 333+00 - See Sheet 14

Match Line Sta. 340+00 - See Sheet 16

- Legend:**
- ▲ Denotes CG-12 Curb Cut Type B Req'd.
  - ▲ Denotes VDOT S'd.UD-4 Req'd.
  - ▲ Denotes VDOT S'd.UD-2 Req'd.
  - ▲ Denotes VDOT S'd.CD-2 Req'd.
  - ▲ Denotes Remove Existing structure/pipes.
  - ▲ Denotes Abandon Existing structure/pipes.

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Mainline Profile	15A
Tripoli Blvd. Profile	14E
Original Stage Coach Rd. Prof	15D
Reloc. Old Stage Coach Rd. Prof	15D
ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(6)
Entrance Profiles	19(1)-19(6)
Basin Details	2(1)-2(7A)

Dot - dashed lines denote Permanent Easements  
Dot - dot - dashed lines denote Temporary Easements.

C	Denotes Construction Limits in Cuts
F	Denotes Construction Limits in Fills
[Cross-hatched]	Denotes Build-up Existing Pavement
[Dotted]	Denotes New Pavement
[Diagonal lines]	Denotes Demolition of Existing Pavement

SCALE: 0 25' 50'

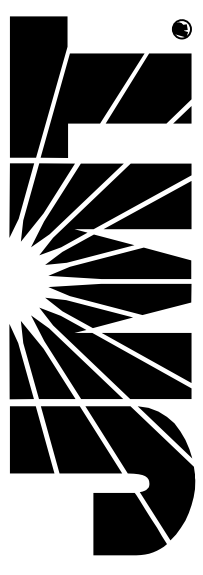
PROJECT	SHEET NO.
0001-212-249	15

R/W PLANS

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



**JOHNSON, MIRIRAN & THOMPSON**  
 5000 Forearm Parkway  
 Suite 400  
 Richmond, Virginia 23226  
 Phone: (804) 323-9900



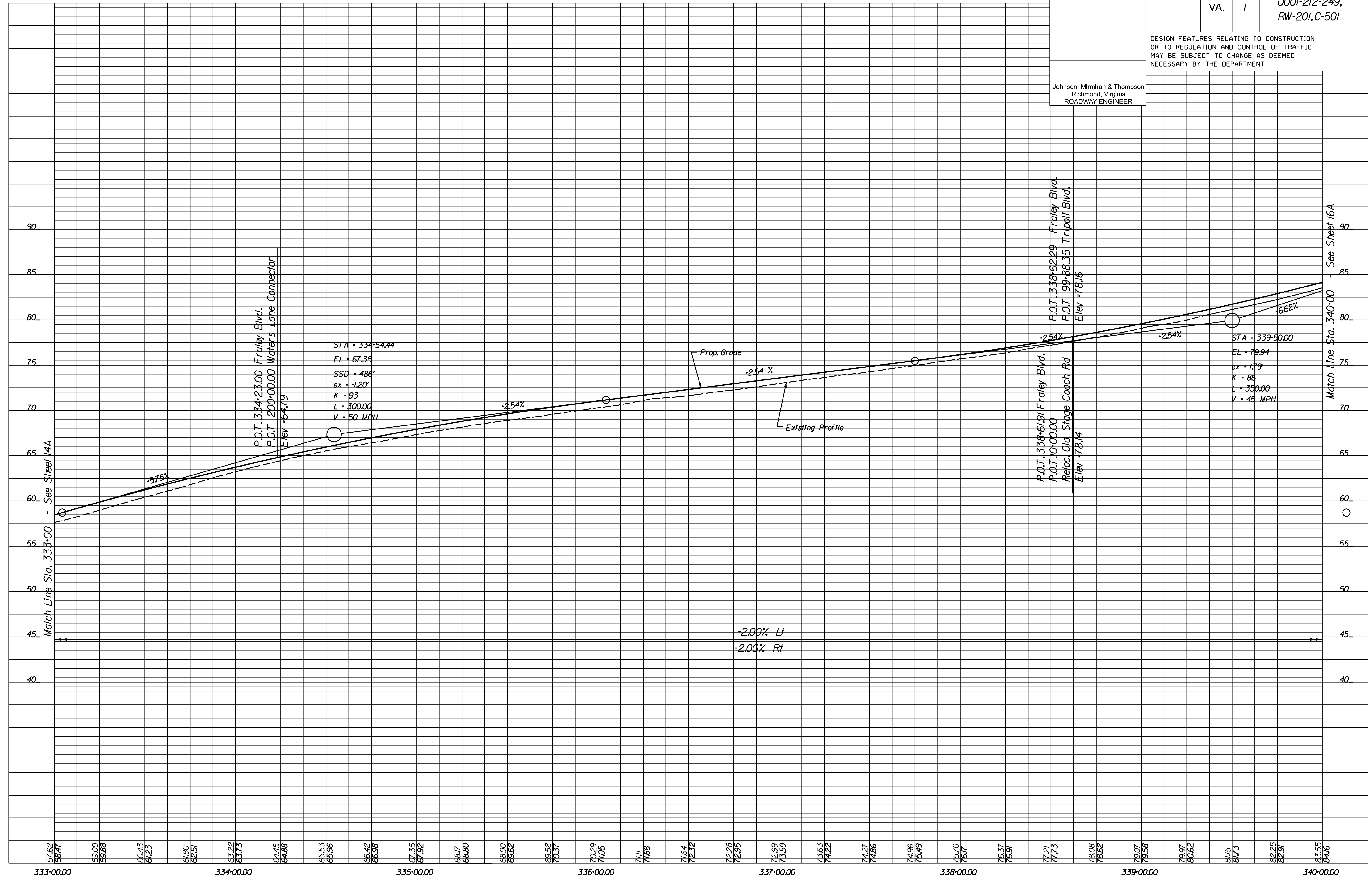
PROJECT MANAGER: *Haalim Nguyen, P.E.* (703) 792-8161 PWC, Dept. of Transportation  
 SURVEYED BY: DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/13  
 DESIGN BY: *JMT, Engineering, LLC* (804) 323-9900  
 SUBSURFACE UTILITY BY: DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/13

# Route 1 Profile

REVISED	STATE		STATE PROJECT	SHEET NO.
	VA.	1		
			0001-212-249, RW-201, C-501	15A

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

Johnson, Miriran & Thompson  
 Richmond, Virginia  
 ROADWAY ENGINEER

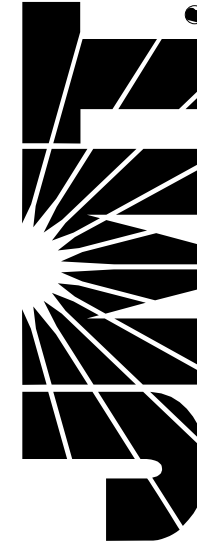


1" = 25' (HOR.),  
 1" = 5' (VERT.)  
 PROJECT: 0001-212-249  
 SHEET NO.: 15A

R/W PLANS

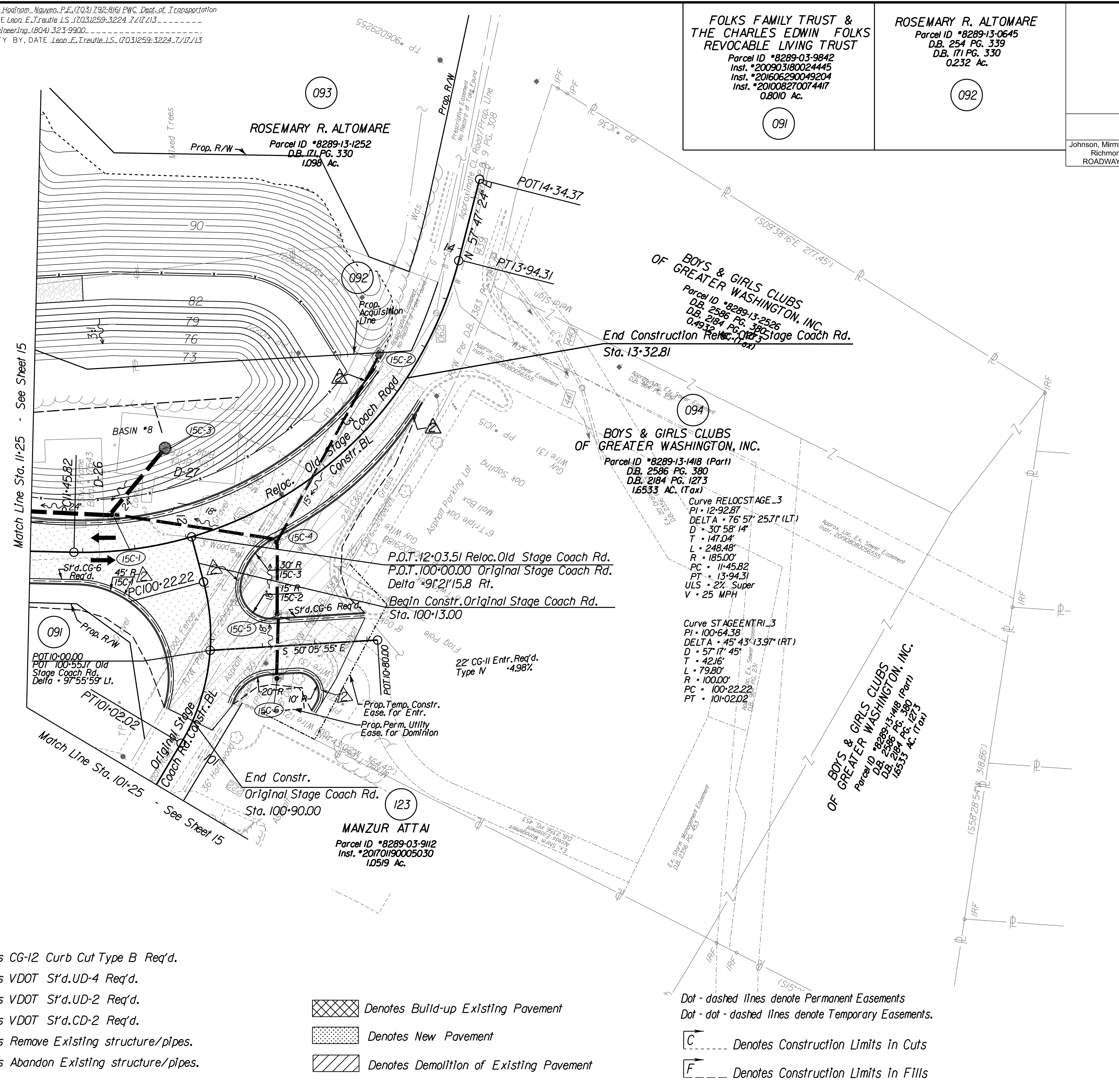
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

**JOHNSON, MIRIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER *Hoa Tram Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13  
DESIGN BY *JMT Engineering, (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13

FOLKS FAMILY TRUST & THE CHARLES EDWIN FOLKS REVOCABLE LIVING TRUST Parcel ID *8289-03-9842 Inst. *200903180024445 Inst. *201606290049204 Inst. *201008270074417 0.8010 Ac. (091)	ROSEMARY R. ALTOMARE Parcel ID *8289-13-0645 D.B. 254 PG. 339 D.B. 171 PG. 330 0.232 Ac. (092)	REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
		VA.	1	0001-212-249, RW-201, C-501	15C	
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT		Johnson, Miriran & Thompson Richmond, Virginia ROADWAY ENGINEER		Johnson, Miriran & Thompson Richmond, Virginia HYDRAULIC ENGINEER		



- Legend:**
- ▲ Denotes CG-12 Curb Cut Type B Req'd.
  - ▲ Denotes VDOT S'd.UD-4 Req'd.
  - ▲ Denotes VDOT S'd.UD-2 Req'd.
  - ▲ Denotes VDOT S'd.CD-2 Req'd.
  - ▲ Denotes Remove Existing structure/pipes.
  - ▲ Denotes Abandon Existing structure/pipes.

- Denotes Build-up Existing Pavement
- Denotes New Pavement
- Denotes Demolition of Existing Pavement

- - - - - Denotes Permanent Easements
- · - · - Denotes Temporary Easements.
- [C] - - - - - Denotes Construction Limits in Cuts
- [F] - - - - - Denotes Construction Limits in Fills

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(6)
Entrance Profiles	19(1)-19(6)
Basin Details	2(1)-2(7A)

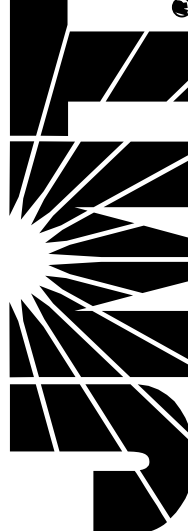
SCALE	PROJECT	SHEET NO.
0 25 50	0001-212-249	15C

**R/W PLANS**

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



**JOHNSON, MIRIRAN & THOMPSON**  
 5000 Westover Park  
 Suite 400  
 Richmond, Virginia 23226  
 Phone: (804) 323-9900

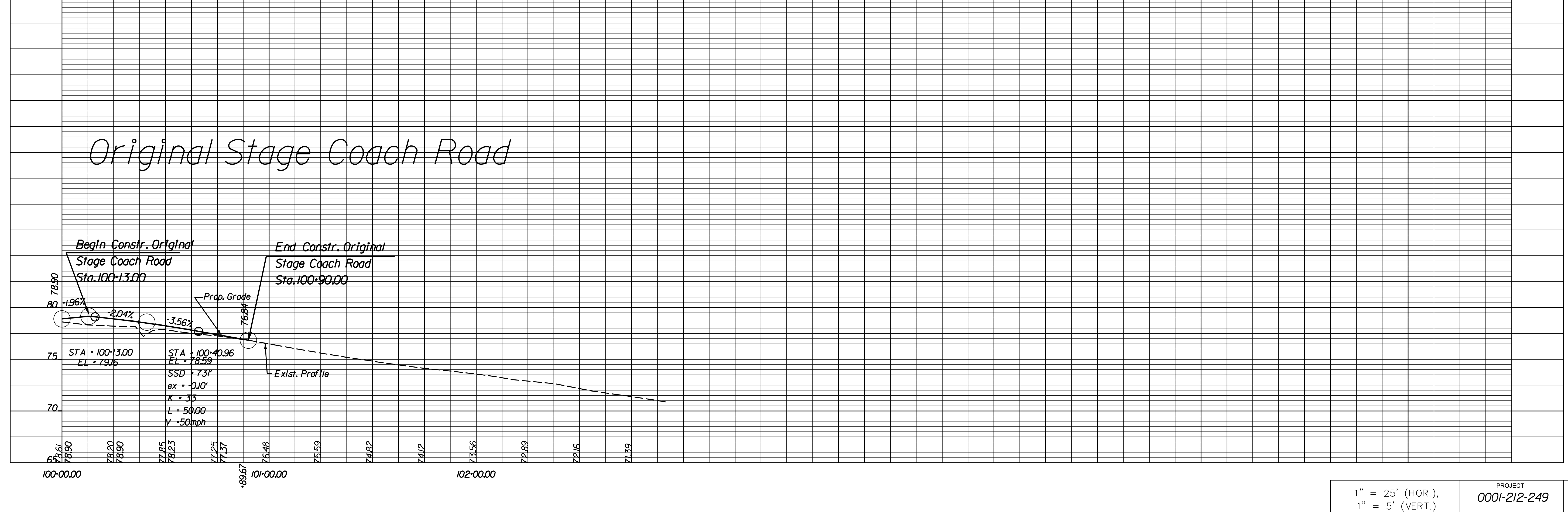
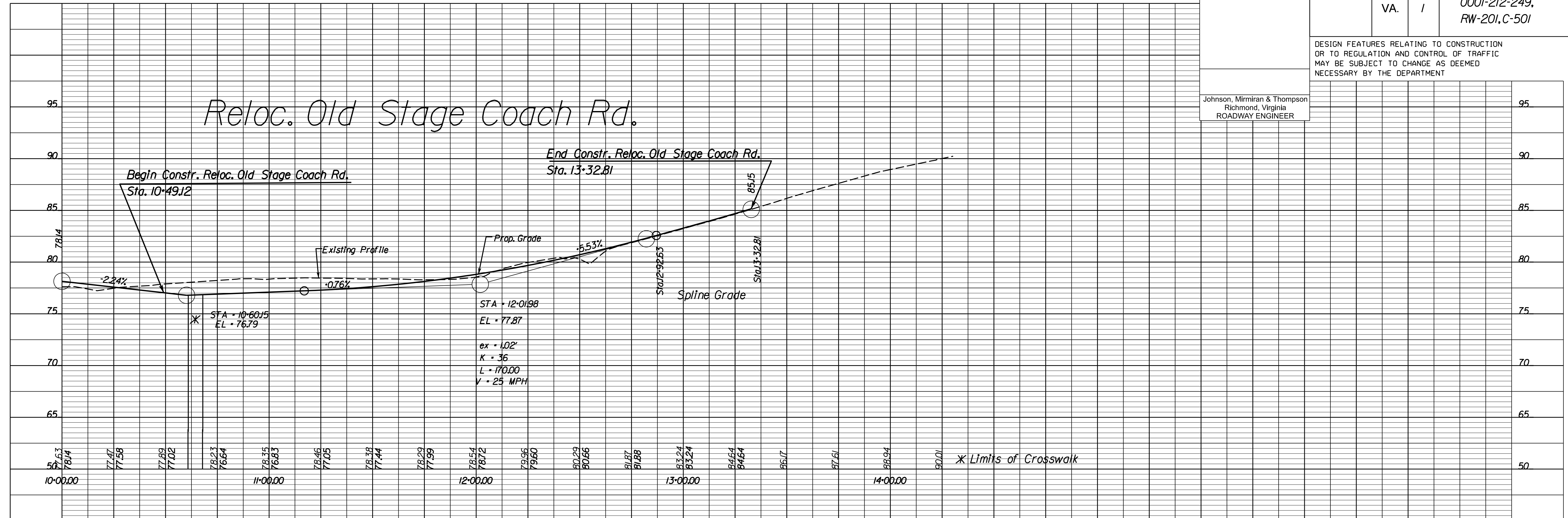


PROJECT MANAGER: *HoaNg Nguyen, P.E.*, (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY: DATE *Lea E. Treuille, L.S.*, (703) 259-3224 7/17/23  
 DESIGN BY: *JMT\_Englaserlog*, (804) 323-9900  
 SUBSURFACE UTILITY BY: DATE *Lea E. Treuille, L.S.*, (703) 259-3224 7/17/23

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	1	0001-212-249, RW-201, C-501	15D

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

Johnson, Miriran & Thompson  
 Richmond, Virginia  
 ROADWAY ENGINEER

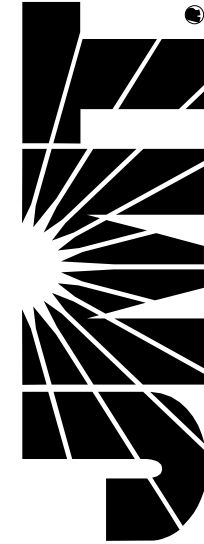


1" = 25' (HOR.),  
 1" = 5' (VERT.)  
 PROJECT: 0001-212-249  
 SHEET NO.: 15D

R/W PLANS

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

**JOHNSON, MIRIMIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER *Hoang Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13  
DESIGN BY *JMT Engineering, (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, L.S.* (703) 259-3224 7/17/13

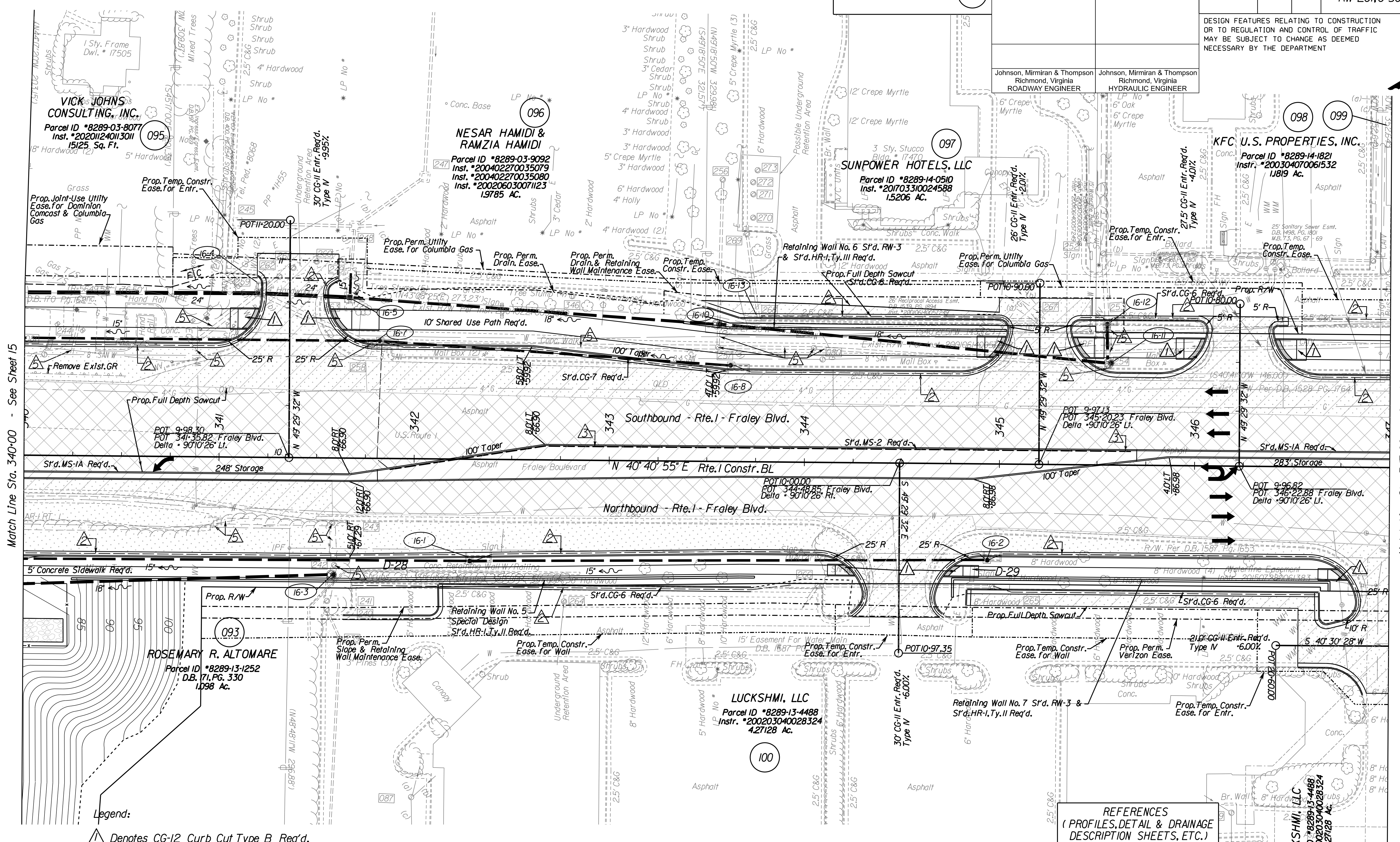
**DUMFRIES CAR CARE LLC**  
Parcel ID \*8289-14-2834  
Instr. \*200909140089578  
1.3501 Ac.

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	1		0001-212-249, RW-201, C-501	16

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

Johnson, Mirimiran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

Johnson, Mirimiran & Thompson  
Richmond, Virginia  
HYDRAULIC ENGINEER



Match Line Sta. 340+00 - See Sheet 15

Match Line Sta. 347+00 - See Sheet 17

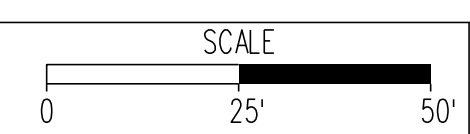
- Legend:**
- ▲ Denotes CG-12 Curb Cut Type B Req'd.
  - ▲ Denotes VDOT S't.d.UD-4 Req'd.
  - ▲ Denotes VDOT S't.d.UD-2 Req'd.
  - ▲ Denotes VDOT S't.d.CD-2 Req'd.
  - ▲ Denotes Remove Existing structure/pipes.
  - ▲ Denotes Abandon Existing structure/pipes.

- Denotes Build-up Existing Pavement
- Denotes New Pavement
- Denotes Demolition of Existing Pavement

- - - Denotes Permanent Easements
- · - · - Denotes Temporary Easements.
- C --- Denotes Construction Limits in Cuts
- F --- Denotes Construction Limits in Fills

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Mainline Profile	3A
ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(6)
Entrance Profiles	19(1)-19(6)



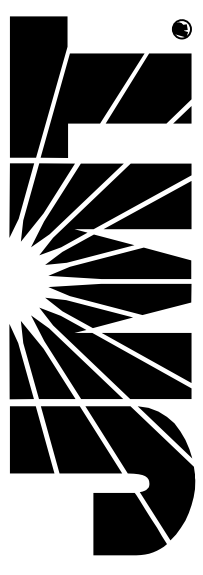
PROJECT	0001-212-249
SHEET NO.	16

**R/W PLANS**

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



**JOHNSON, MIRIRAN & THOMPSON**  
1000 Forearm Parkway  
Suite 400  
Richmond, Virginia 23226  
Phone: (804) 323-9900



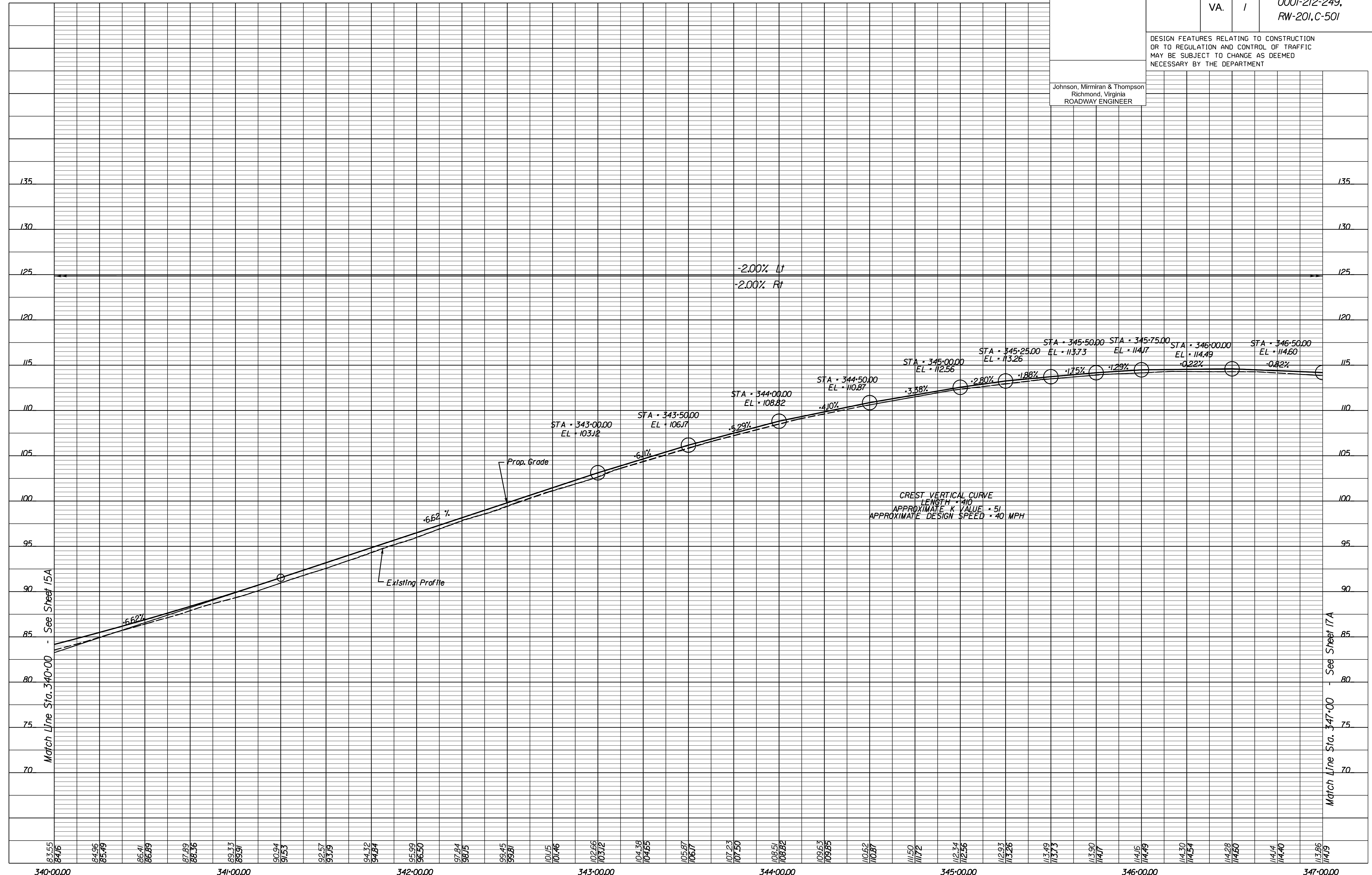
PROJECT MANAGER: *HoaNg Nguyen, P.E.* (703) 792-8161 PWC, Dept. of Transportation  
SURVEYED BY: DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/13  
DESIGN BY: *JMT, Englewood, Inc.* (804) 323-9900  
SUBSURFACE UTILITY BY: DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/13

# Route 1 Profile

REVISED	STATE		SHEET NO.
	ROUTE	PROJECT	
	VA.	1	0001-212-249, RW-201, C-501

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

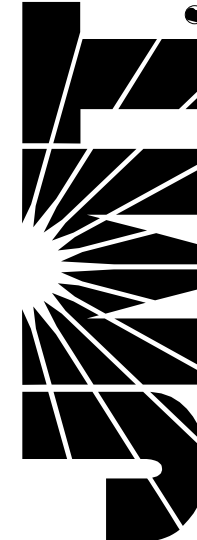


1" = 25' (HOR.),  
1" = 5' (VERT.)  
PROJECT: 0001-212-249  
SHEET NO.: 16A

R/W PLANS

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

**JOHNSON, MIRIMIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



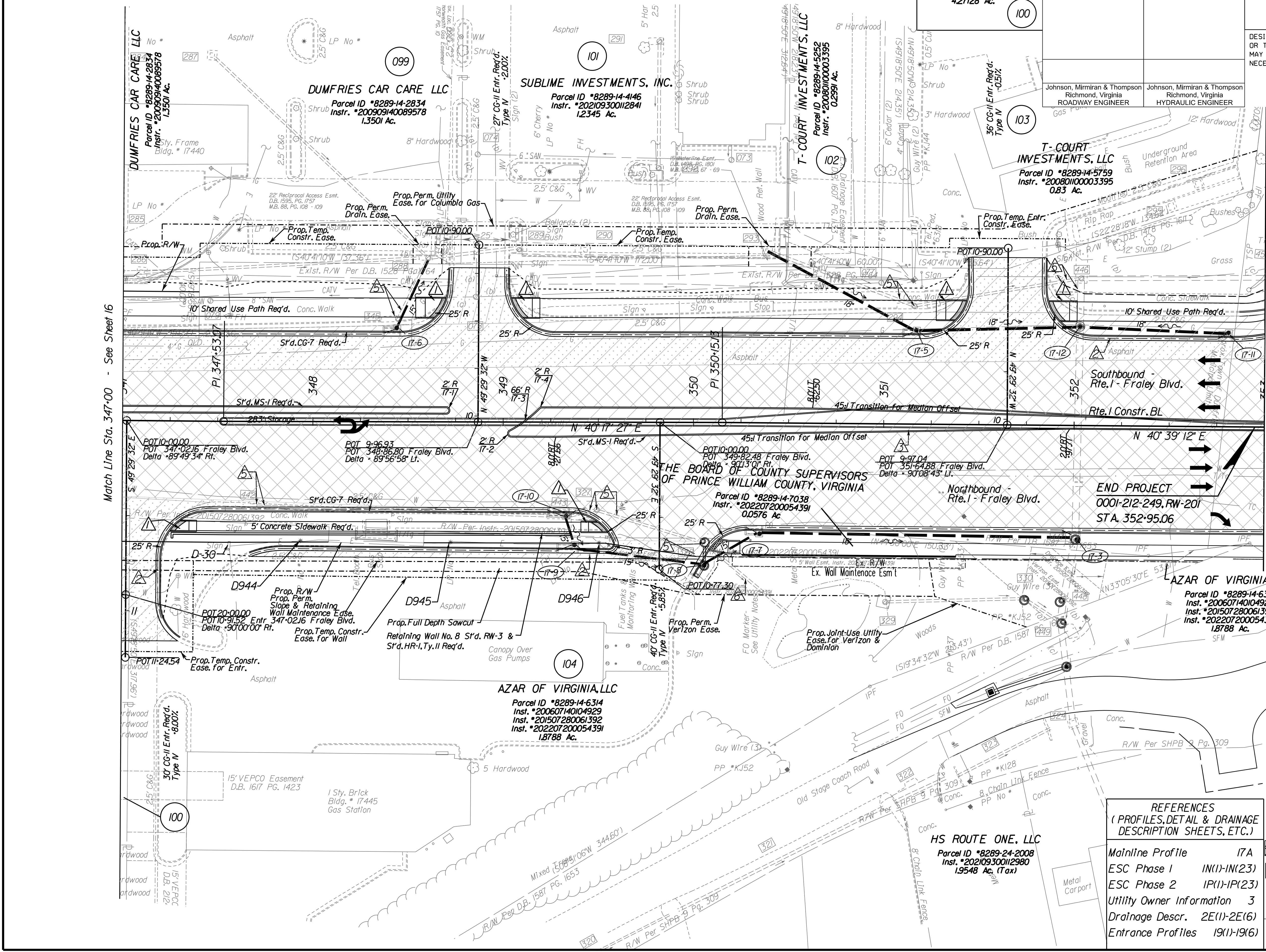
PROJECT MANAGER: *Headroom, Nguyen, P.E. (703) 792-8161 PWC, Dept. of Transportation*  
SURVEYED BY, DATE: *Leon E. Treutle, L.S. (703) 259-3224 7/17/23*  
DESIGN BY: *JMT, Engineering, (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, L.S. (703) 259-3224 7/17/23*

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	17

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

Johnson, Mirimiran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

Johnson, Mirimiran & Thompson  
Richmond, Virginia  
HYDRAULIC ENGINEER



Match Line Sta. 347+00 - See Sheet 16

Match Line Sta. 353+00 - See Sheet 18

**END PROJECT**  
0001-212-249, RW-201  
STA. 352+95.06

- Legend:**
- △ Denotes CG-12 Curb Cut Type B Req'd.
  - ② Denotes VDOT S'd.UD-4 Req'd.
  - ③ Denotes VDOT S'd.UD-2 Req'd.
  - ④ Denotes VDOT S'd.CD-2 Req'd.
  - ⊖ Denotes Remove Existing structure/pipes.
  - ⊕ Denotes Abandon Existing structure/pipes.
  - · · · · Denotes Permanent Easements
  - · · · · Denotes Temporary Easements.
  - C --- Denotes Construction Limits in Cuts
  - F --- Denotes Construction Limits in Fills
  - ▨ Denotes Build-up Existing Pavement
  - ▩ Denotes New Pavement
  - ▧ Denotes Demolition of Existing Pavement

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Mainline Profile	17A
ESC Phase 1	IN(1)-IN(23)
ESC Phase 2	IP(1)-IP(23)
Utility Owner Information	3
Drainage Descr.	2E(1)-2E(6)
Entrance Profiles	19(1)-19(6)

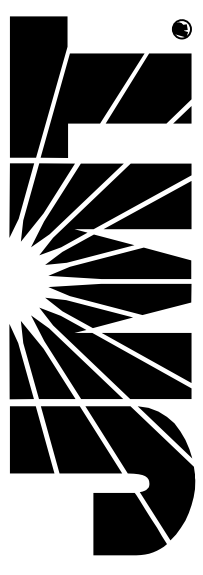
SCALE	PROJECT	SHEET NO.
0 25' 50'	0001-212-249	17

**R/W PLANS**

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



**JOHNSON, MIRIRAN & THOMPSON**  
 1000 Foreman Parkway  
 Suite 400  
 Richmond, Virginia 23226  
 Phone: (804) 323-9900



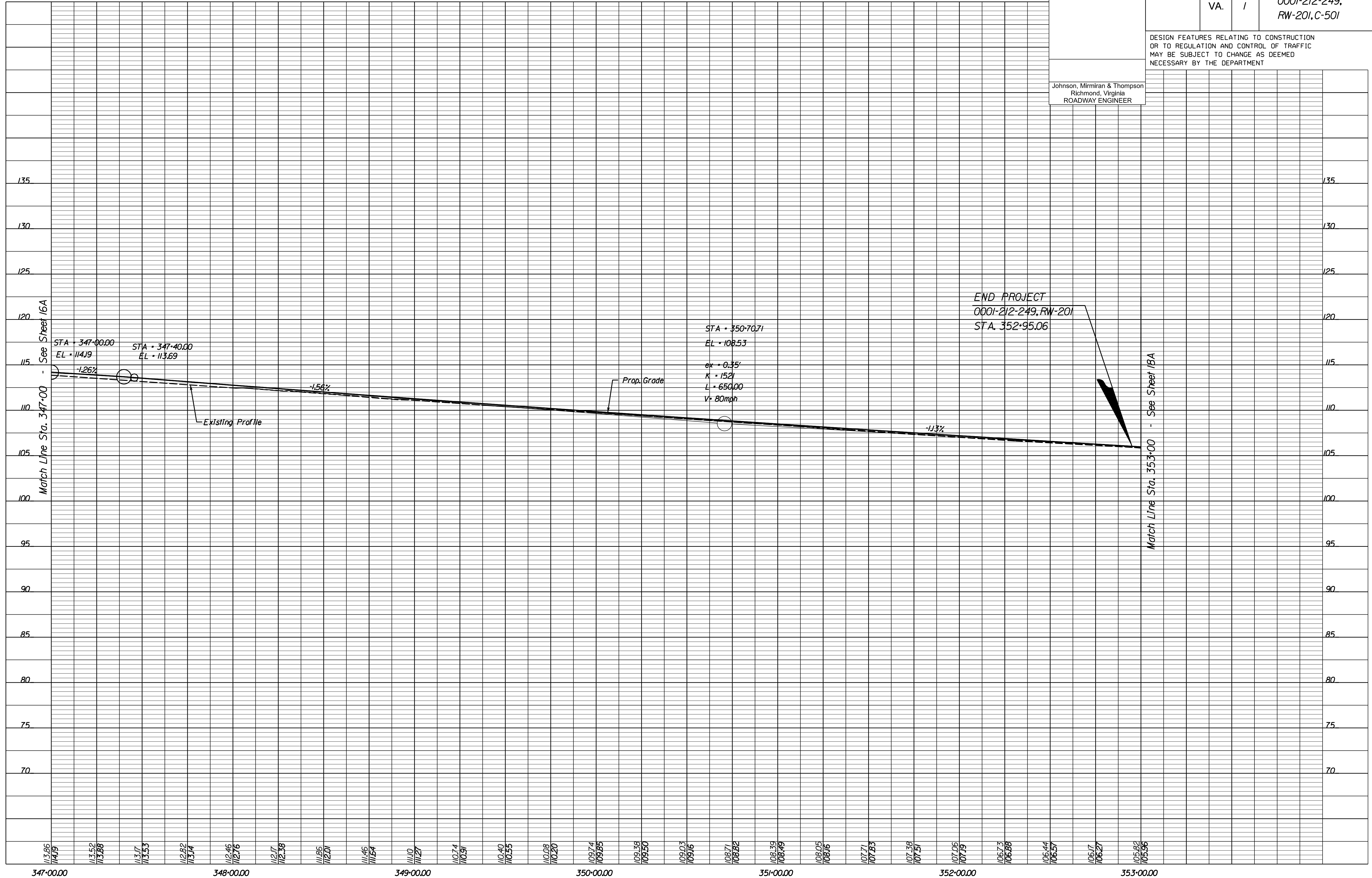
PROJECT MANAGER: *HoaNg Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY: DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/23  
 DESIGN BY: *JMT, EngLeadLog* (804) 323-9900  
 SUBSURFACE UTILITY BY: DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/23

# Route 1 Profile

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	1	0001-212-249, RW-201, C-501	17A

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

Johnson, Miriran & Thompson  
 Richmond, Virginia  
 ROADWAY ENGINEER



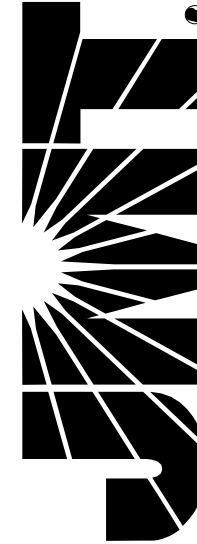
END PROJECT  
 0001-212-249, RW-201  
 STA. 352+95.06

1" = 25' (HOR.),  
 1" = 5' (VERT.)  
 PROJECT: 0001-212-249  
 SHEET NO.: 17A

R/W PLANS

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

**JOHNSON, MIRIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



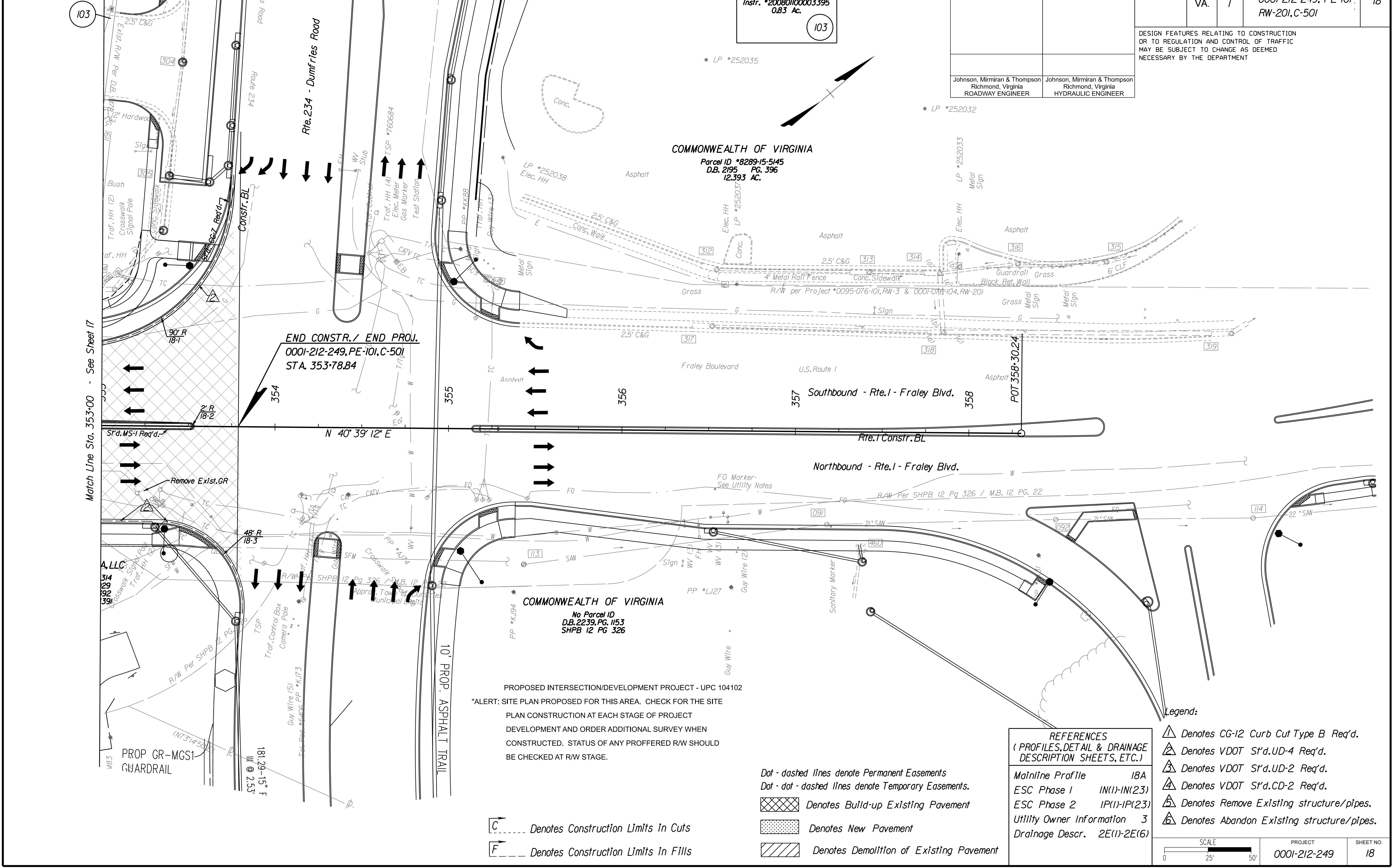
PROJECT MANAGER: *Hoa Lam Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13  
DESIGN BY: *JMT Engineering* (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13

**T-COURT INVESTMENTS, LLC**  
Parcel ID \*8289-14-5759  
Instr. \*20080100003395  
0.83 AC.

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101, RW-201, C-501	18

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

Johnson, Miriran & Thompson Richmond, Virginia ROADWAY ENGINEER	Johnson, Miriran & Thompson Richmond, Virginia HYDRAULIC ENGINEER
---	---



**END CONSTR./ END PROJ.**  
0001-212-249, PE-101, C-501  
STA. 353+78.84

PROPOSED INTERSECTION/DEVELOPMENT PROJECT - UPC 104102  
\*ALERT: SITE PLAN PROPOSED FOR THIS AREA. CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROFFERED R/W SHOULD BE CHECKED AT R/W STAGE.

**C** --- Denotes Construction Limits In Cuts  
**F** --- Denotes Construction Limits In Fills

Dot - dashed lines denote Permanent Easements  
Dot - dot - dashed lines denote Temporary Easements.  
[Cross-hatched] Denotes Build-up Existing Pavement  
[Stippled] Denotes New Pavement  
[Diagonal lines] Denotes Demolition of Existing Pavement

**REFERENCES**  
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)  
Mainline Profile 18A  
ESC Phase 1 IN(1)-IN(23)  
ESC Phase 2 IP(1)-IP(23)  
Utility Owner Information 3  
Drainage Descr. 2E(1)-2E(6)

**Legend:**  
△ Denotes CG-12 Curb Cut Type B Req'd.  
△ Denotes VDOT S'd. UD-4 Req'd.  
△ Denotes VDOT S'd. UD-2 Req'd.  
△ Denotes VDOT S'd. CD-2 Req'd.  
△ Denotes Remove Existing structure/pipes.  
△ Denotes Abandon Existing structure/pipes.

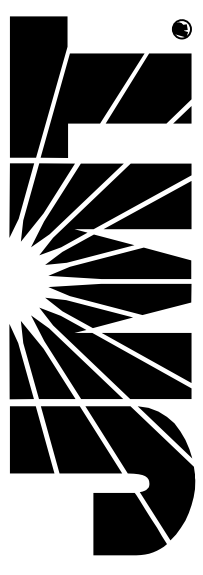
SCALE 0 25' 50'	PROJECT 0001-212-249	SHEET NO. 18
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**R/W PLANS**

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



**JOHNSON, MIRIRAN & THOMPSON**  
 10000 Forearm Parkway  
 Suite 210  
 Richmond, Virginia 23226  
 Phone: (804) 323-9900



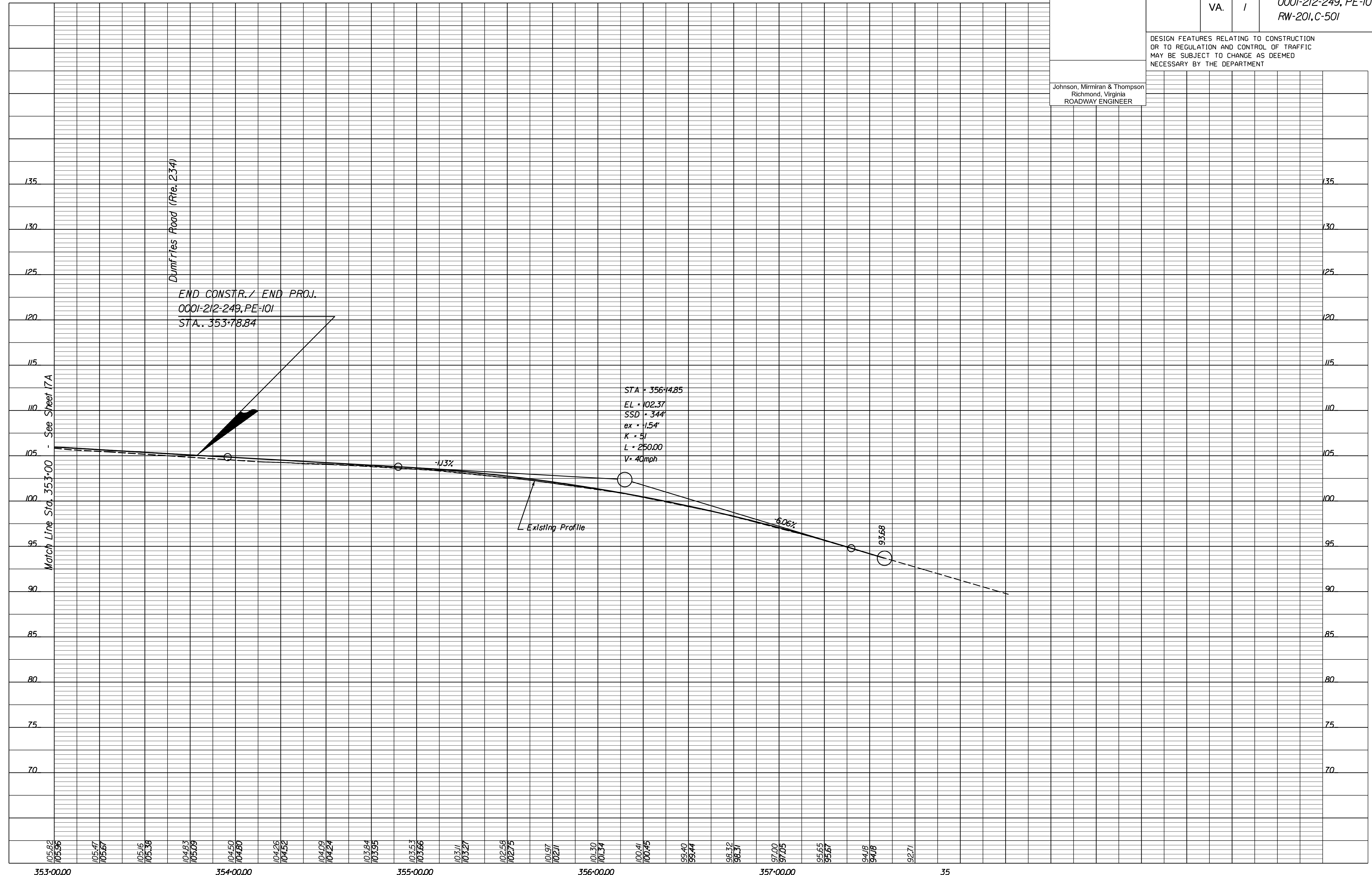
PROJECT MANAGER *HoaNg Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY, DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/23  
 DESIGN BY *JMT, Engineers/Log.* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/23

# Route 1 Profile

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	1	0001-212-249, PE-101 RW-201, C-501	18A

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

Johnson, Miriran & Thompson  
 Richmond, Virginia  
 ROADWAY ENGINEER



105.62  
105.56  
105.47  
105.67  
105.16  
105.36  
104.83  
105.09  
104.50  
104.80  
104.26  
104.52  
104.09  
104.24  
103.84  
103.95  
103.11  
103.27  
102.58  
102.75  
101.97  
102.71  
101.30  
101.54  
100.41  
100.75  
99.40  
99.44  
98.32  
98.37  
97.00  
97.05  
95.65  
95.67  
94.18  
94.18  
92.71

353-00.00      354-00.00      355-00.00      356-00.00      357-00.00      35

1" = 25' (HOR.),  
 1" = 5' (VERT.)

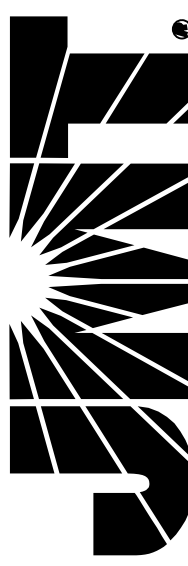
PROJECT 0001-212-249

SHEET NO. 18A

R/W PLANS

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

**JOHNSON, MIRIRAN & THOMPSON**  
 1700 Foreman Parkway  
 Suite 400  
 Richmond, Virginia 23226  
 Phone: (804) 323-9900

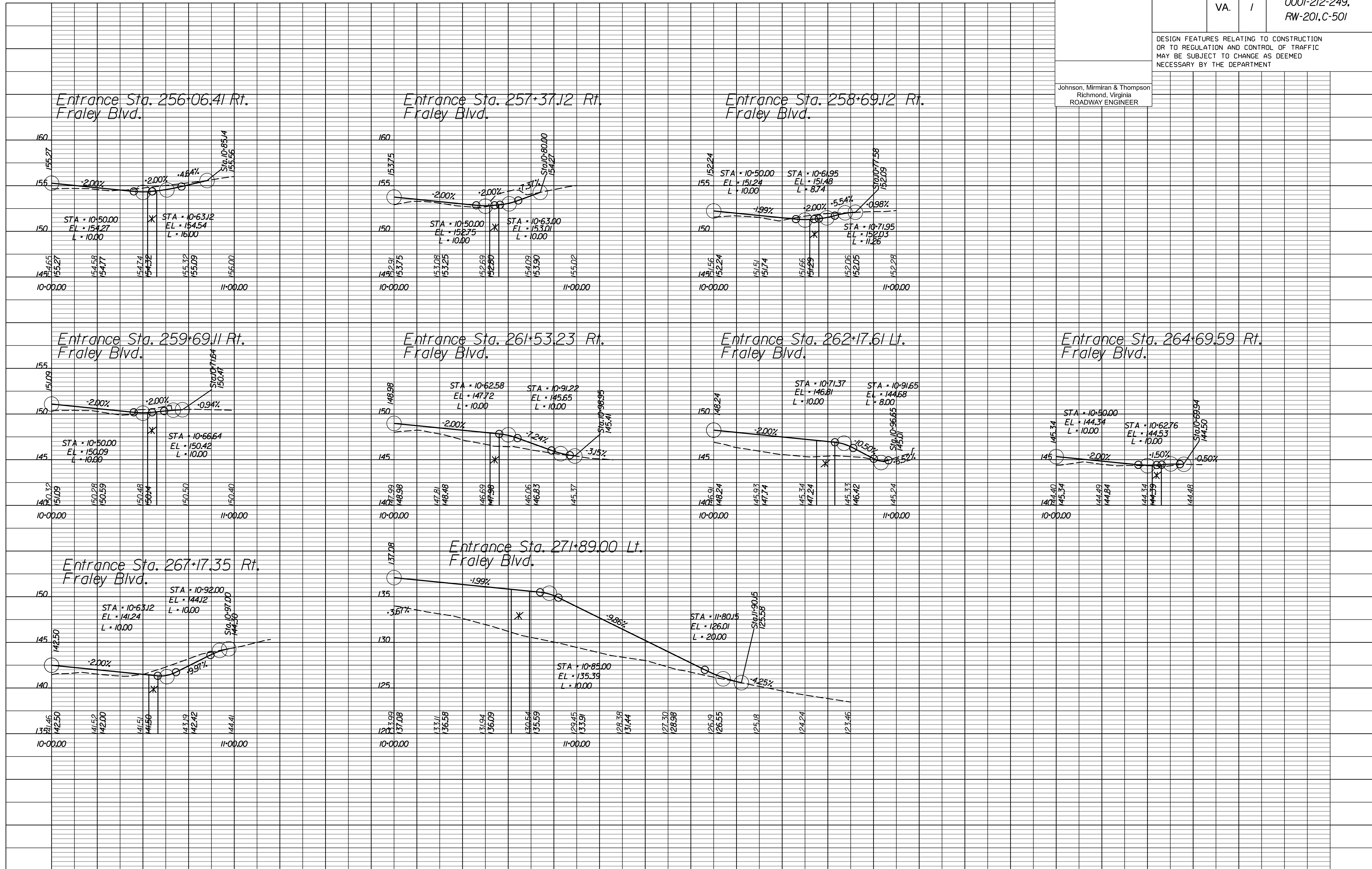


PROJECT MANAGER *HoaNg Nguyen, P.E.* (703) 292-8161 PWC Dept. of Transportation  
 SURVEYED BY, DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/23  
 DESIGN BY *JMT, Engineering* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/23

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	1	0001-212-249, RW-201, C-501	19(1)

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

Johnson, Miriran & Thompson  
 Richmond, Virginia  
 ROADWAY ENGINEER



X Limits of Crosswalk

1" = 25' (HOR.),  
 1" = 5' (VERT.)

PROJECT  
 0001-212-249

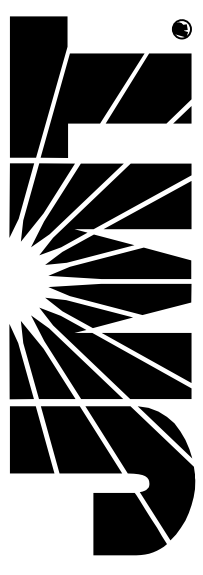
SHEET NO.  
 19(1)

R/W PLANS

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



**JOHNSON, MIRIRAN & THOMPSON**  
 1000 Foreman Parkway  
 Suite 400  
 Richmond, Virginia 23226  
 Phone: (804) 323-9900

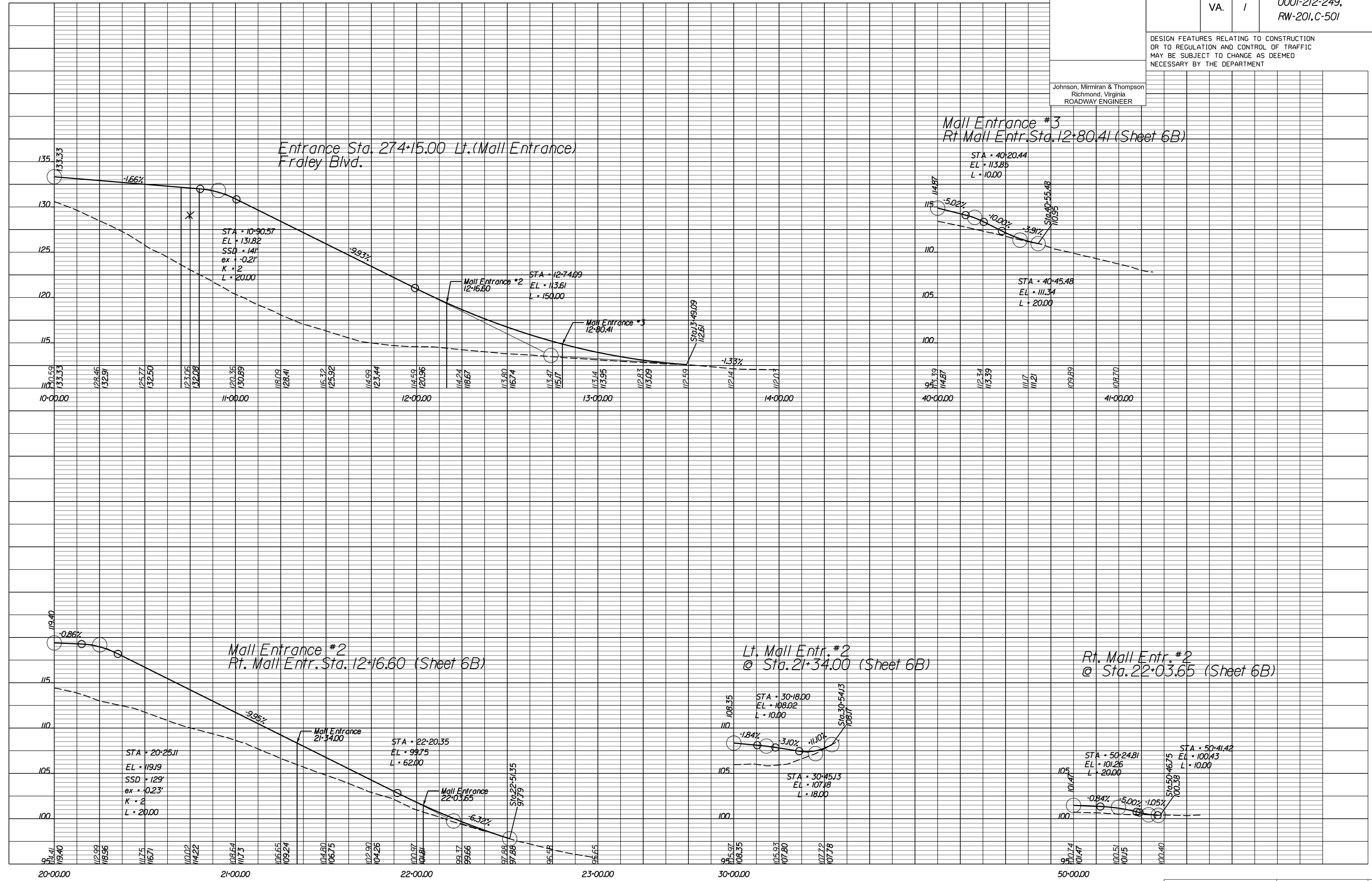


PROJECT MANAGER: *Haalim Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY: *DATE Leo E. Treuille, L.S.* (703) 259-3224 7/17/13  
 DESIGN BY: *JMT, Englewood, JMT* 323-9900  
 SUBSURFACE UTILITY BY: *DATE Leo E. Treuille, L.S.* (703) 259-3224 7/17/13

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE 1		
			0001-212-249, RW-201, C-501	19(2)

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

Johnson, Miriran & Thompson  
 Richmond, Virginia  
 ROADWAY ENGINEER



\* Limits of Crosswalk

1" = 25' (HOR.),  
 1" = 5' (VERT.)

PROJECT 0001-212-249  
 SHEET NO. 19(2)

R/W PLANS

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

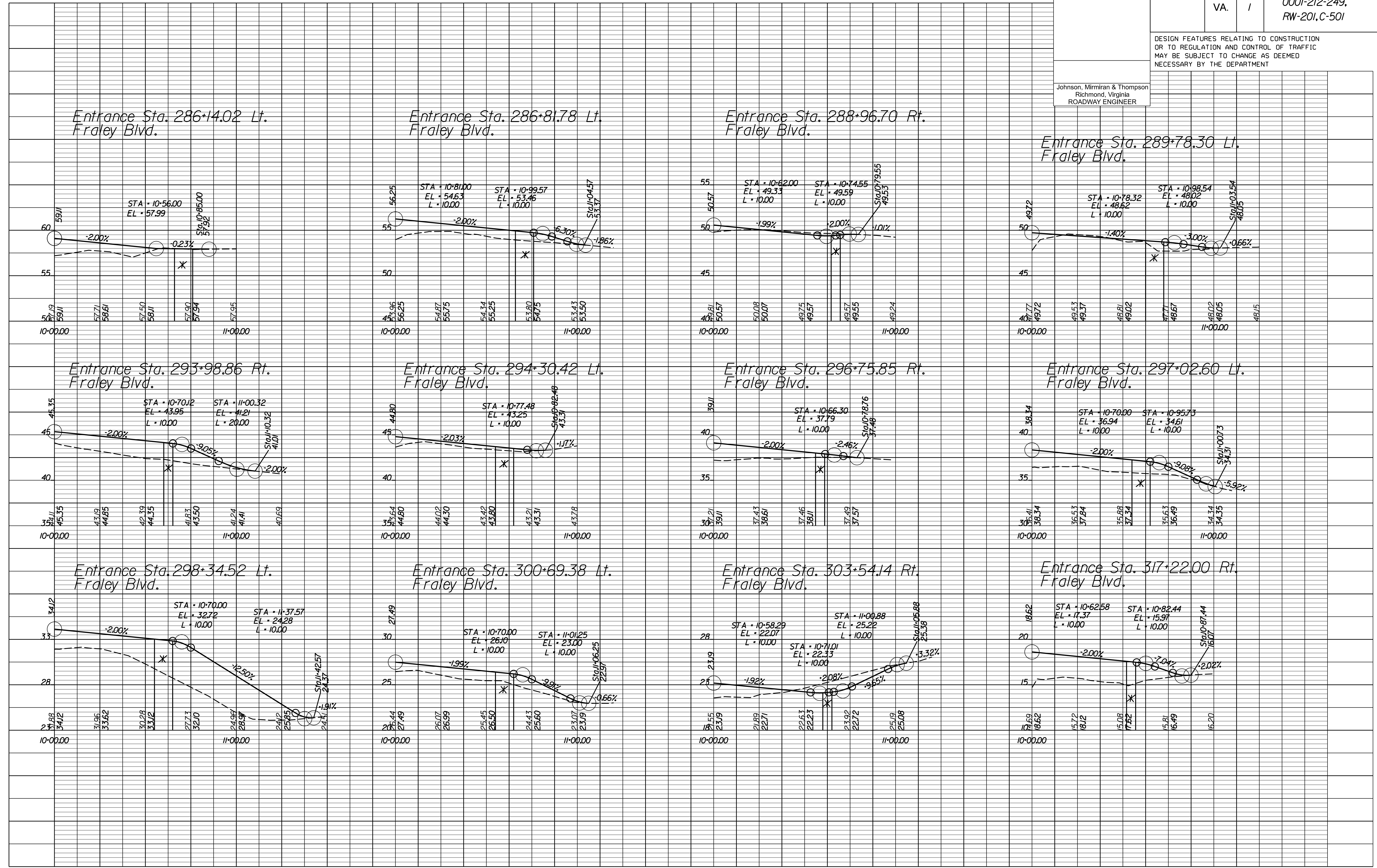


PROJECT MANAGER Hoang Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY DATE Leo E. Treuille LS (703) 259-3224 7/17/23  
DESIGN BY JMT\_Engneering (804) 323-9900  
SUBSURFACE UTILITY BY DATE Leo E. Treuille LS (703) 259-3224 7/17/23

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE 1		
			0001-212-249, RW-201, C-501	19(3)

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER



X Limits of Crosswalk

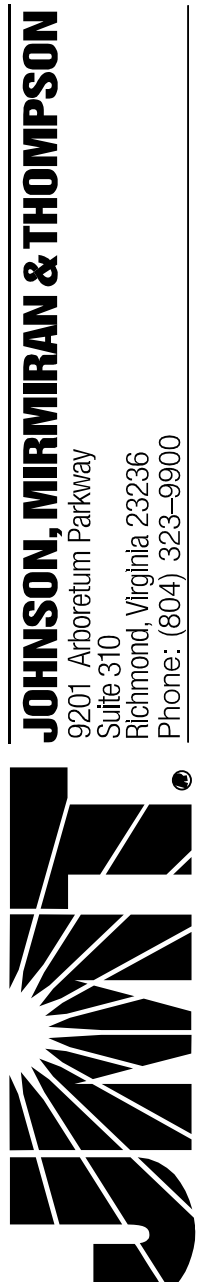
1" = 25' (HOR.),  
1" = 5' (VERT.)

PROJECT 0001-212-249  
SHEET NO. 19(3)

R/W PLANS

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



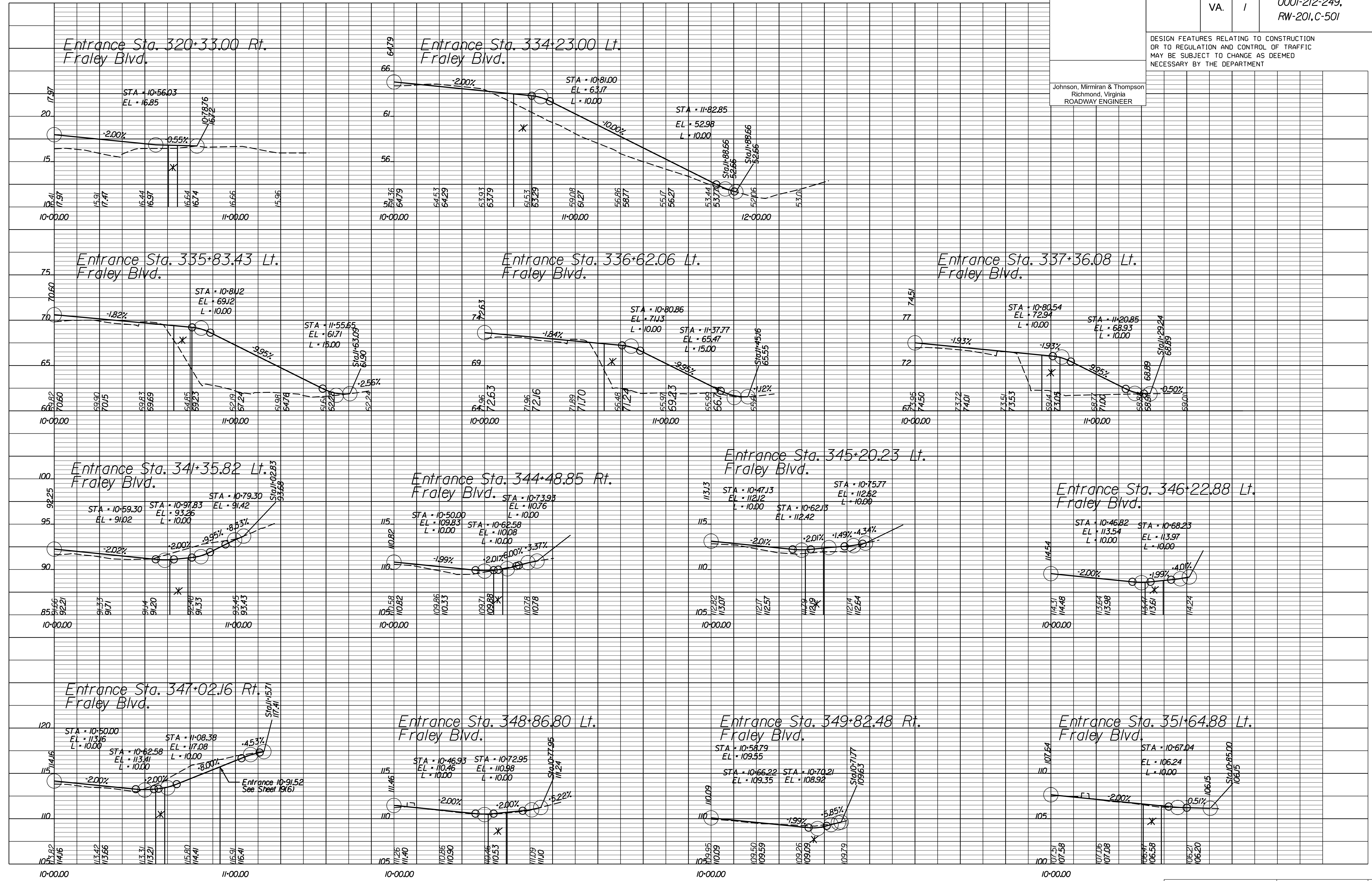


PROJECT MANAGER *HoaNguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY, DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/23  
 DESIGN BY *JMT, Engineering, Inc.* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Lea E. Treuille, L.S.* (703) 259-3224 7/17/23

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE 1		
			0001-212-249, RW-201, C-501	19(4)

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

Johnson, Miriran & Thompson  
 Richmond, Virginia  
 ROADWAY ENGINEER



\* Limits of Crosswalk

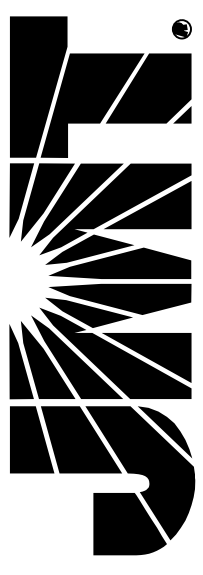
1" = 25' (HOR.),  
 1" = 5' (VERT.)

PROJECT 0001-212-249  
 SHEET NO. 19(4)

R/W PLANS

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

**JOHNSON, MIRIRAN & THOMPSON**  
1000 Commonwealth Parkway  
Richmond, Virginia 23226  
Phone: (804) 323-9900

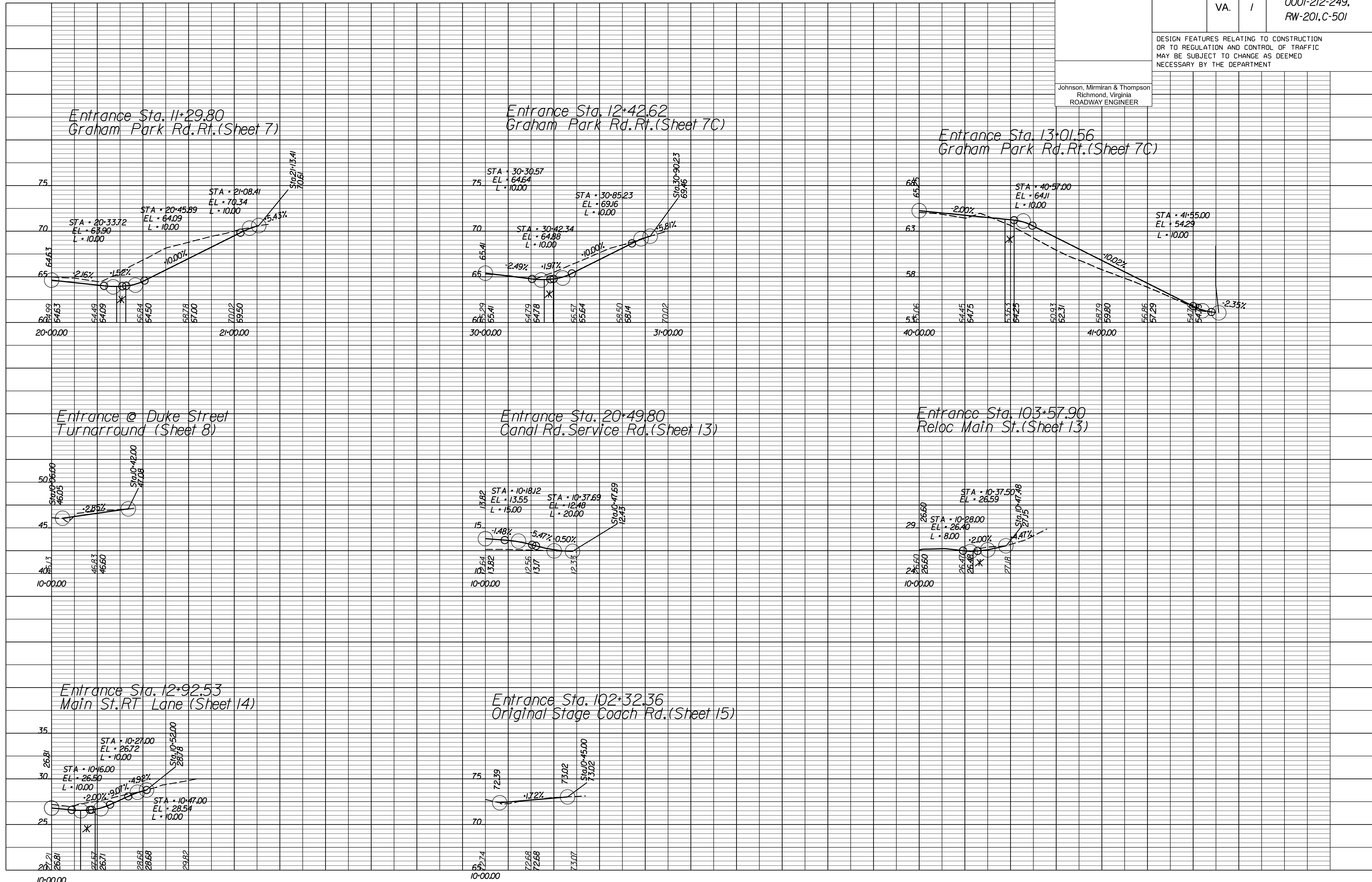


PROJECT MANAGER: *HoaNg Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY: *DATE Leo E. Treuille, L.S.* (703) 259-3224 7/17/13  
DESIGN BY: *JMT, Englehard, JMO* (804) 323-9900  
SUBSURFACE UTILITY BY: *DATE Leo E. Treuille, L.S.* (703) 259-3224 7/17/13

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE 1		
			0001-212-249, RW-201, C-501	19(5)

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

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER



\* Limits of Crosswalk

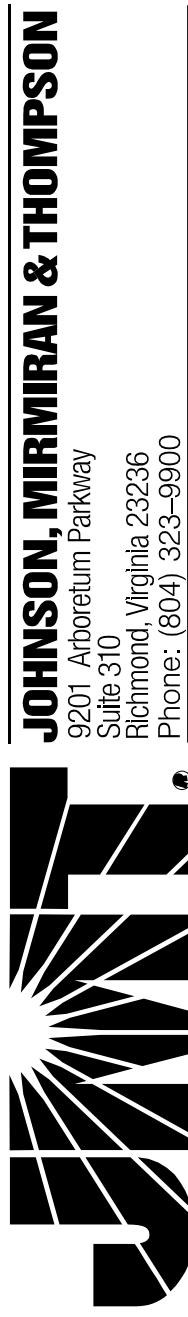
1" = 25' (HOR.),  
1" = 5' (VERT.)

PROJECT 0001-212-249  
SHEET NO. 19(5)

R/W PLANS

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





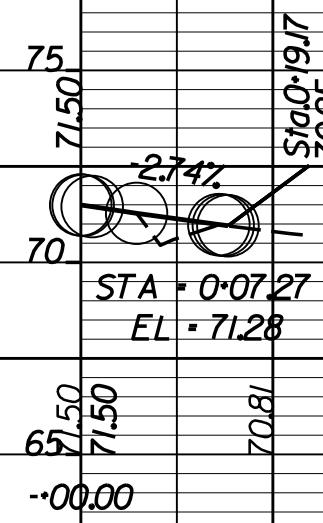
PROJECT MANAGER *HoaNguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY, DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/13  
 DESIGN BY *JMT, Englehardt, Inc.* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leoa E. Treuille, L.S.* (703) 259-3224 7/17/13

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	1	0001-212-249, RW-201, C-501	19(6)

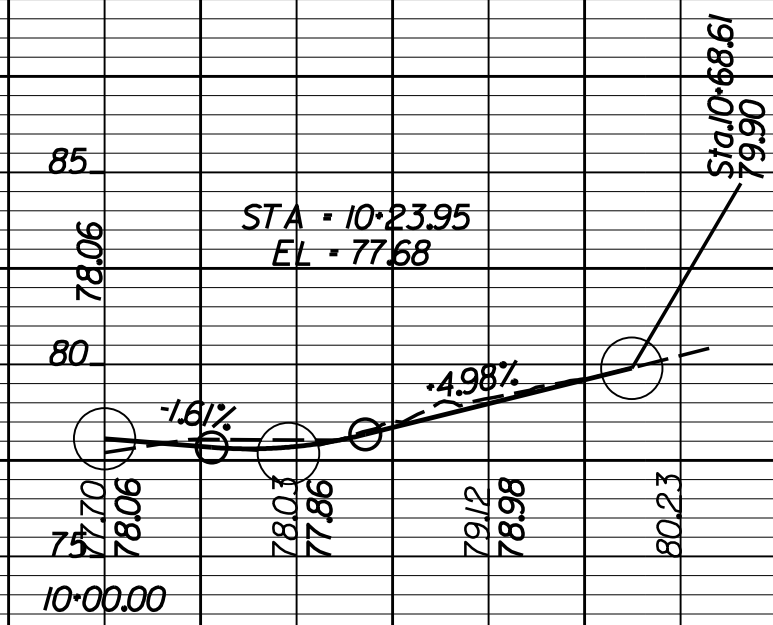
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Miriran & Thompson  
Richmond, Virginia  
ROADWAY ENGINEER

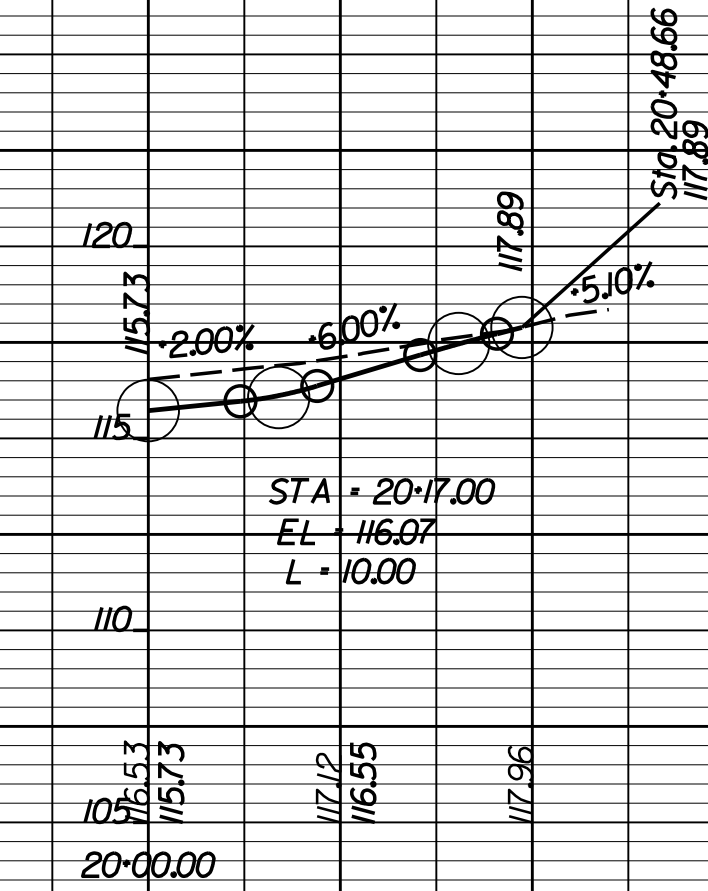
Entrance Sta. 102+71.74  
Original Stage Coach Rd. (Sheet 15)



Entrance Sta. 100+55.17  
Original Stage Coach Rd. (Sheet 15C)



Entr. Sta. 10+91.52  
Rt. Entr. Sta. 347+02.16 (Sheet 16)



\* Limits of Crosswalk

1" = 25' (HOR.),  
1" = 5' (VERT.)

PROJECT  
0001-212-249

SHEET NO.  
19(6)

R/W PLANS

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JOHNSON, WILKINSON & TENDON  
9201 Ardenwood Parkway  
Suite 510  
Richmond, Virginia 23236  
Phone: (804) 323-9900

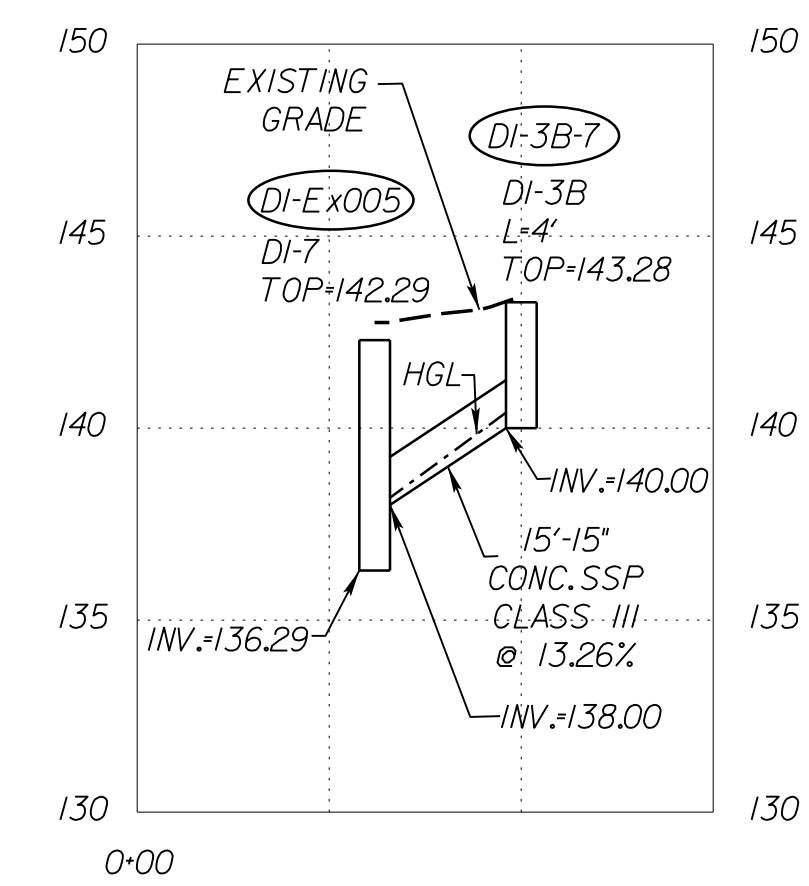
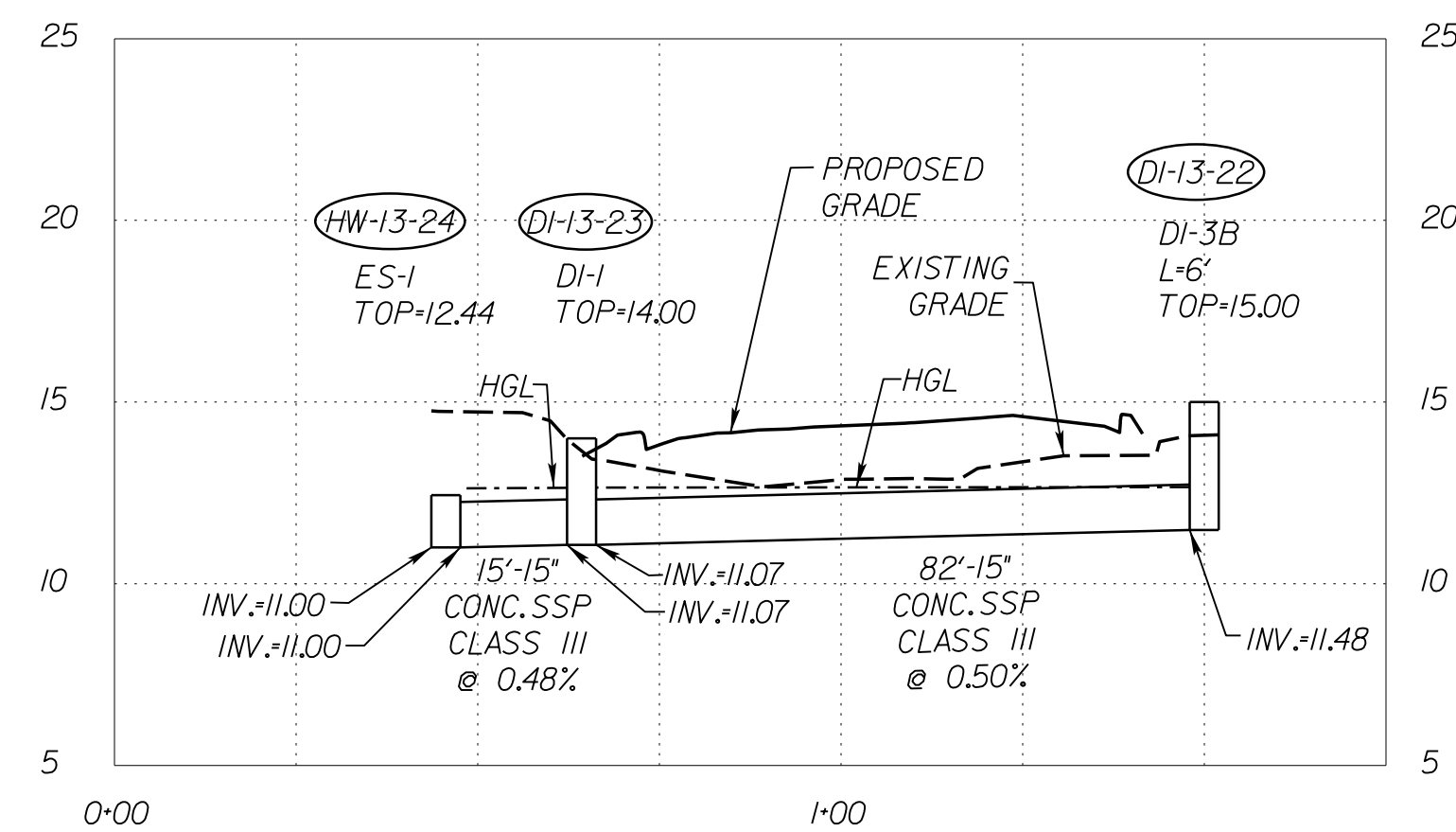
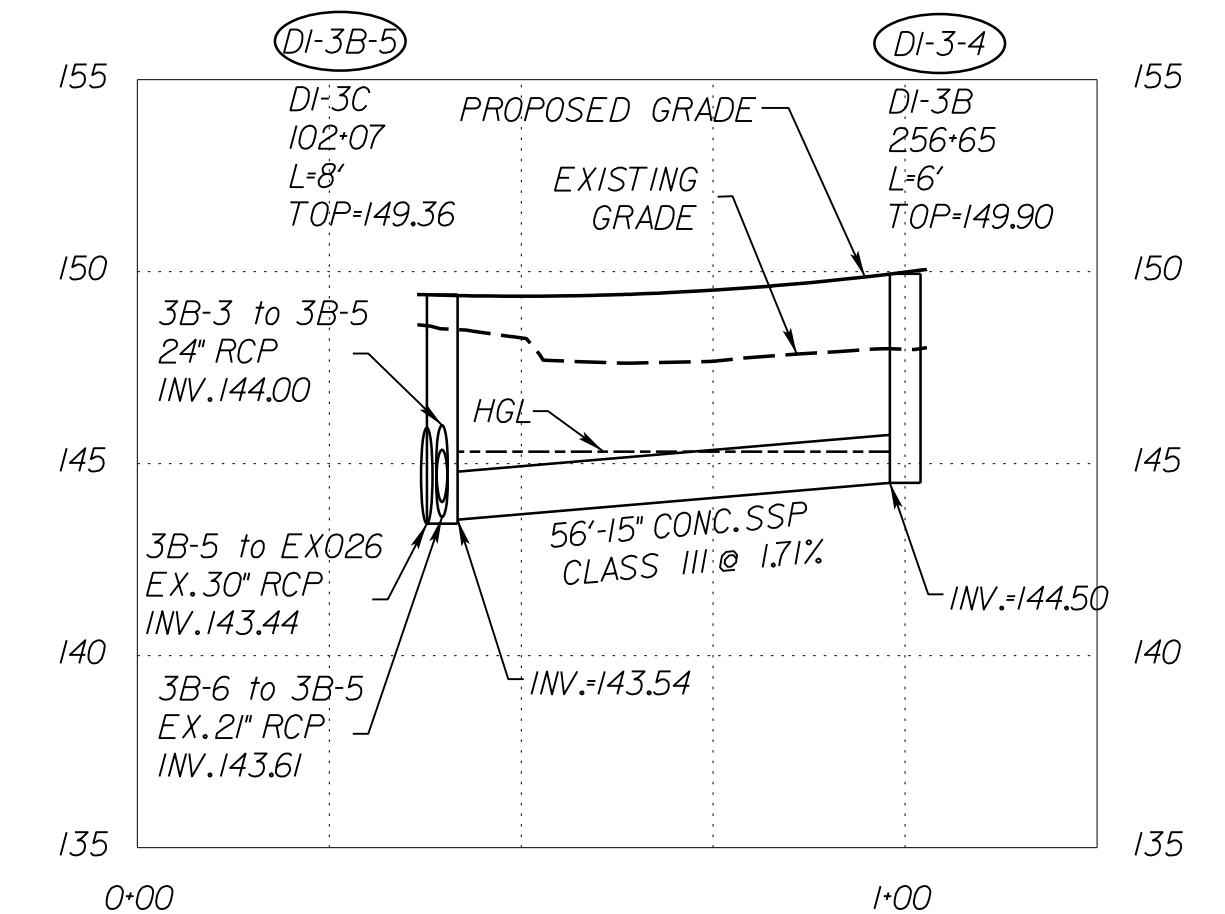
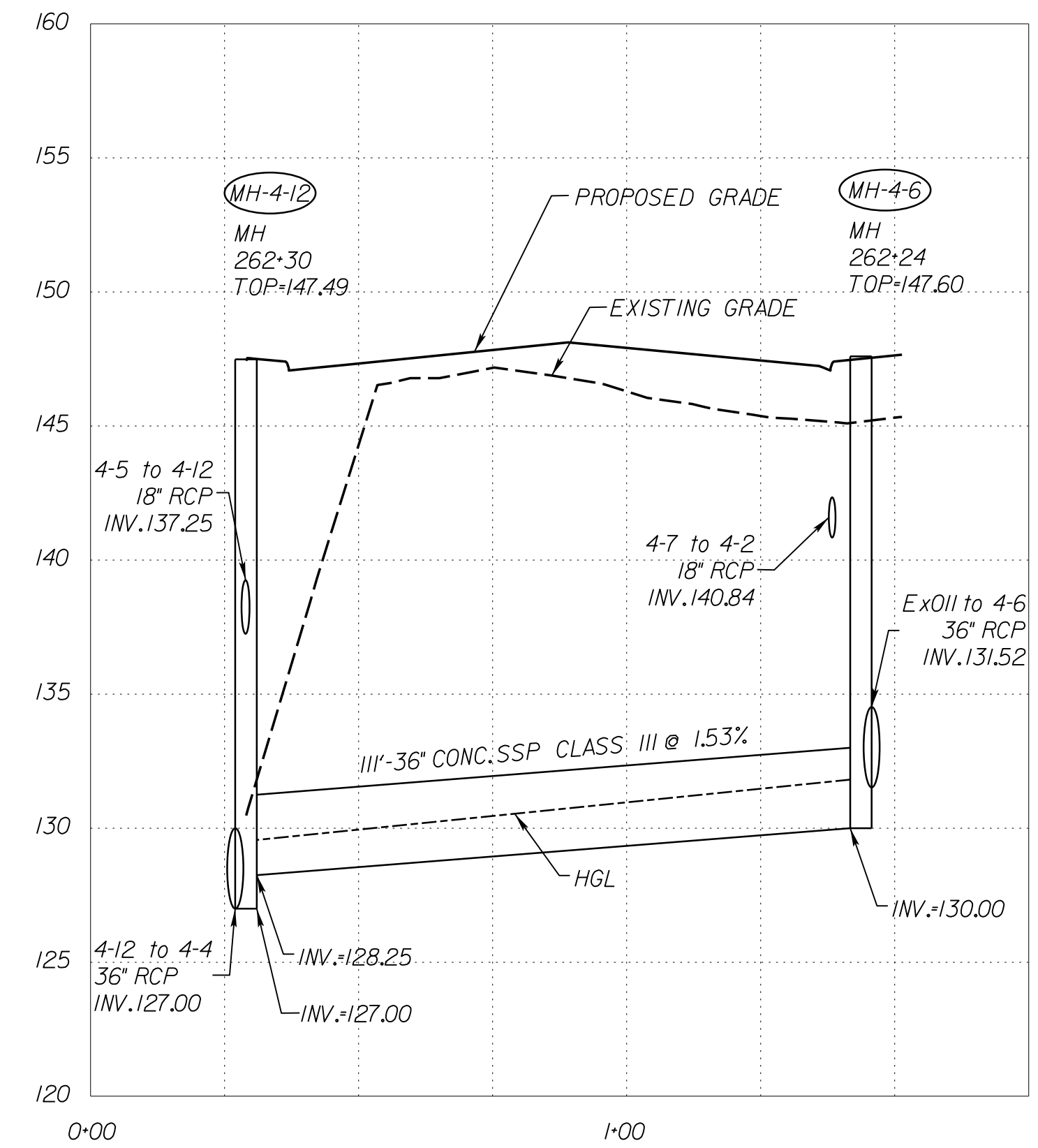
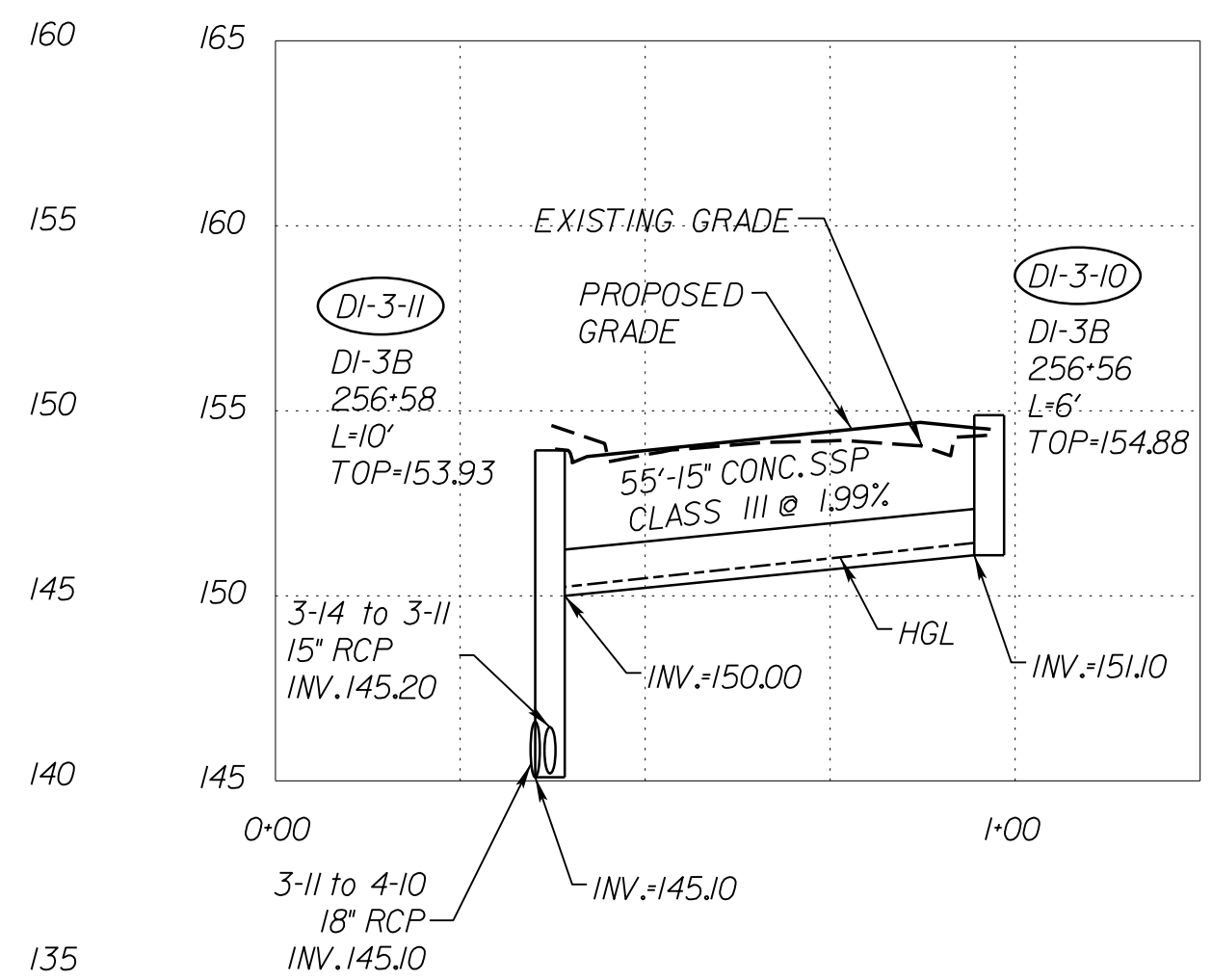
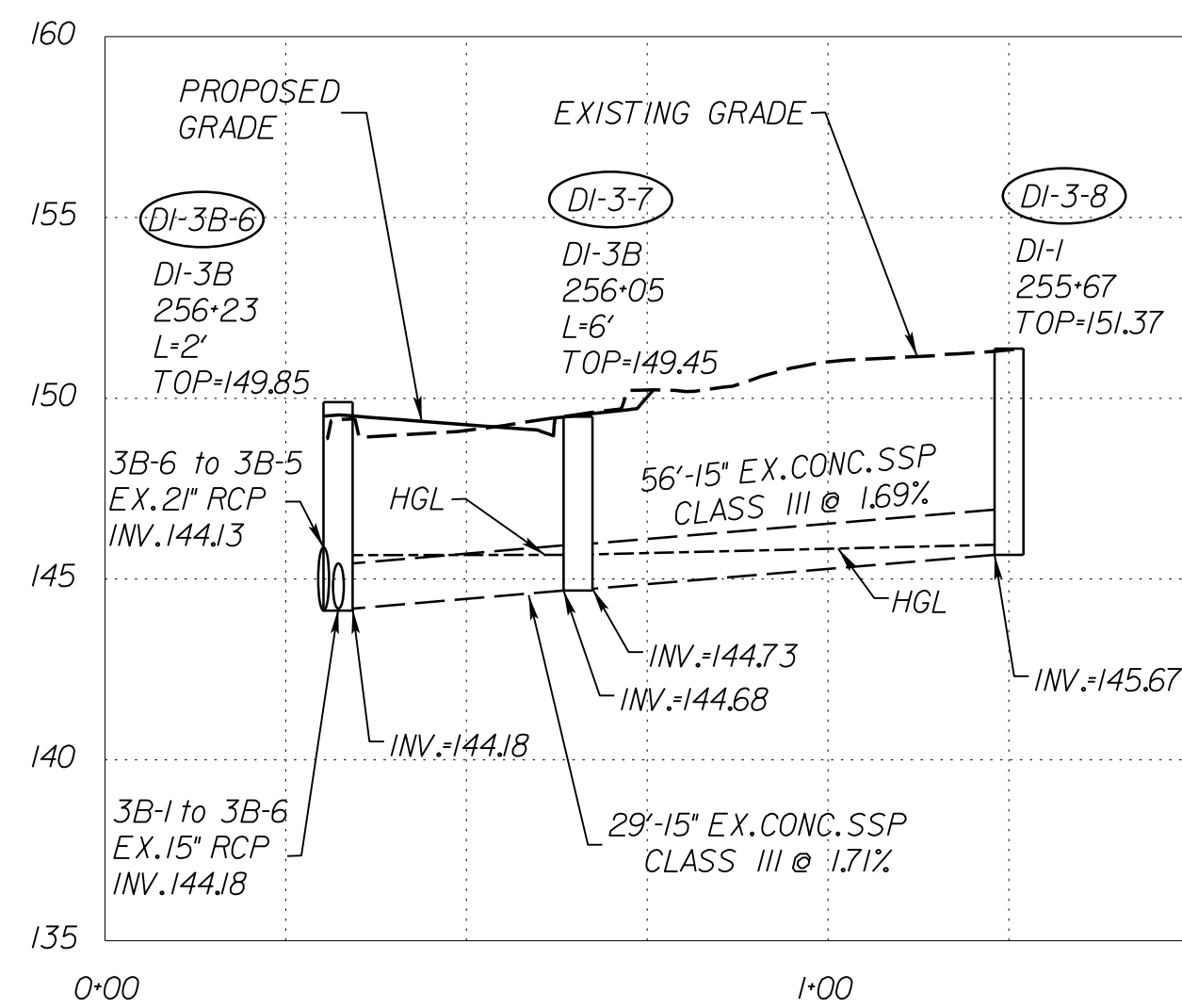
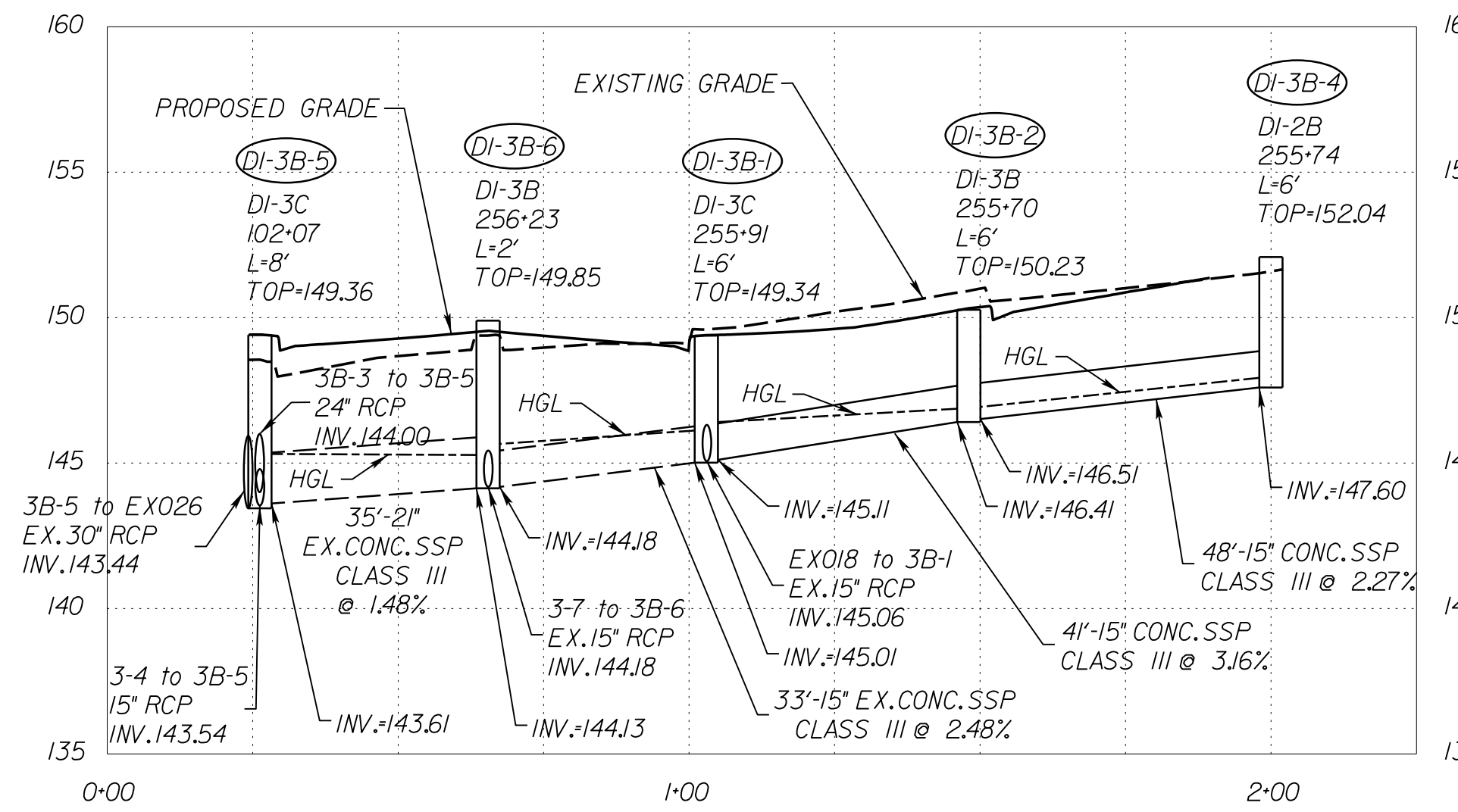
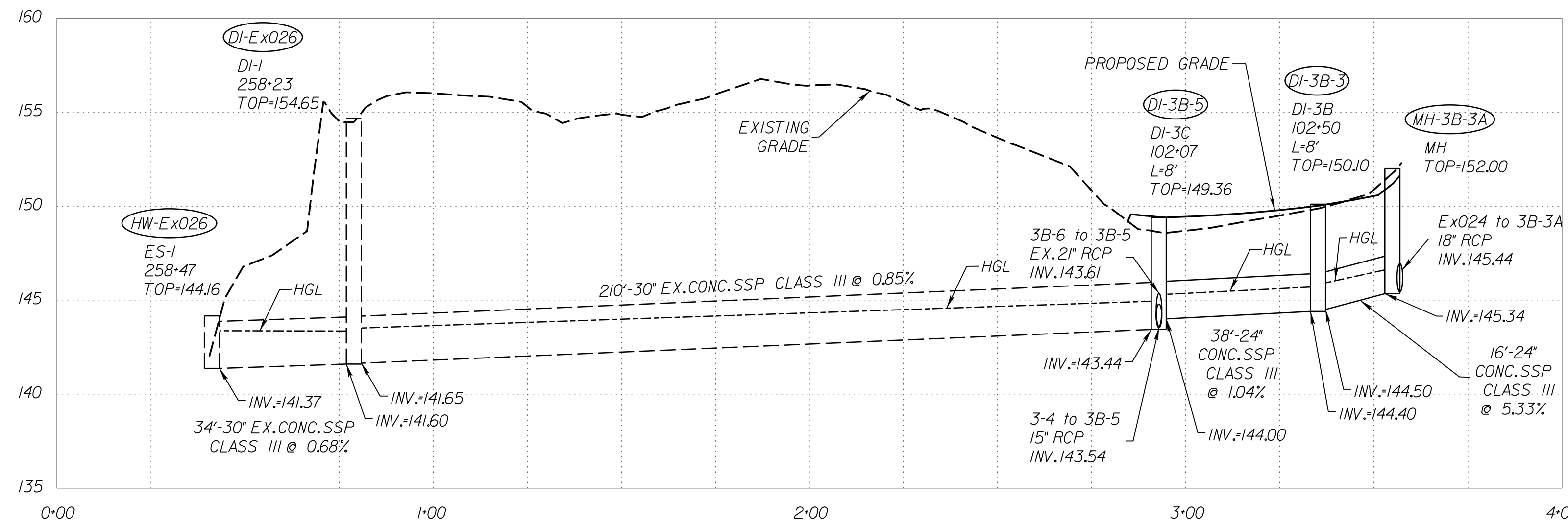
PROJECT MANAGER: Suste, Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, E. Engle, LS (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE		STATE		SHEET NO.
	ROUTE	PROJECT	PROJECT	PROJECT	
	VA.	1	0001-212-249, PE-101	20(10)	

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



VERTICAL SCALE 1"=5'



PROJECT  
0001-212-249

SHEET NO.  
20(10)

R/W PLANS

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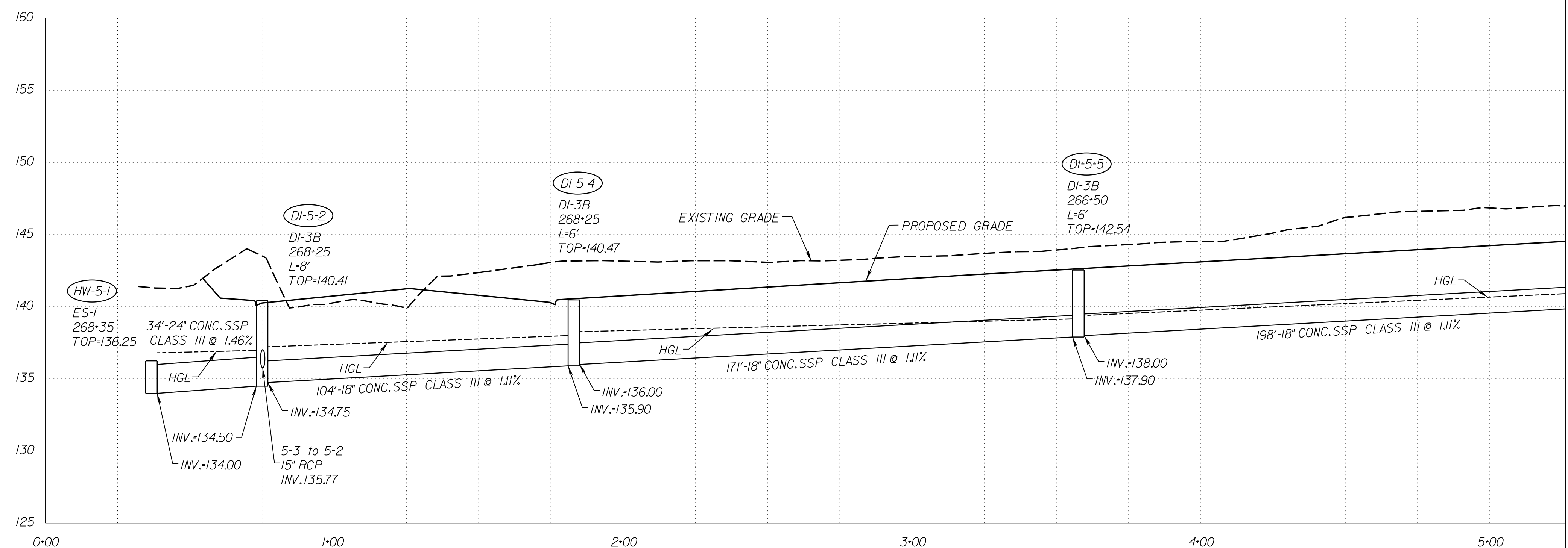
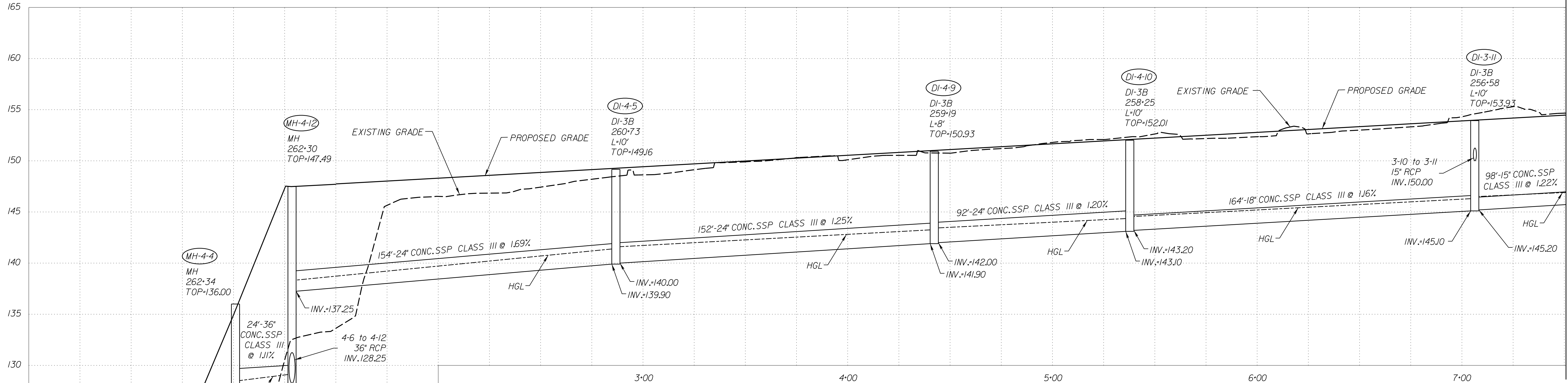


JOHNSON, WILKINSON & TENDON  
9201 Appomattox Parkway  
Suite 510  
Richmond, Virginia 23236  
Phone: (804) 323-9900

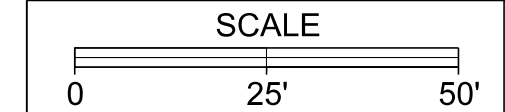
PROJECT MANAGER: Susie Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, E. Engleering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20102
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT Location & Design Richmond, Virginia HYDRAULIC ENGINEER				



VERTICAL SCALE 1"=5'



PROJECT: 0001-212-249  
SHEET NO.: 20102

R/W PLANS

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

JOHNSON, WILKINSON & THOMPSON  
9201 Ardenum Parkway  
Suite 510  
Richmond, Virginia 23236  
Phone: (804) 323-9900

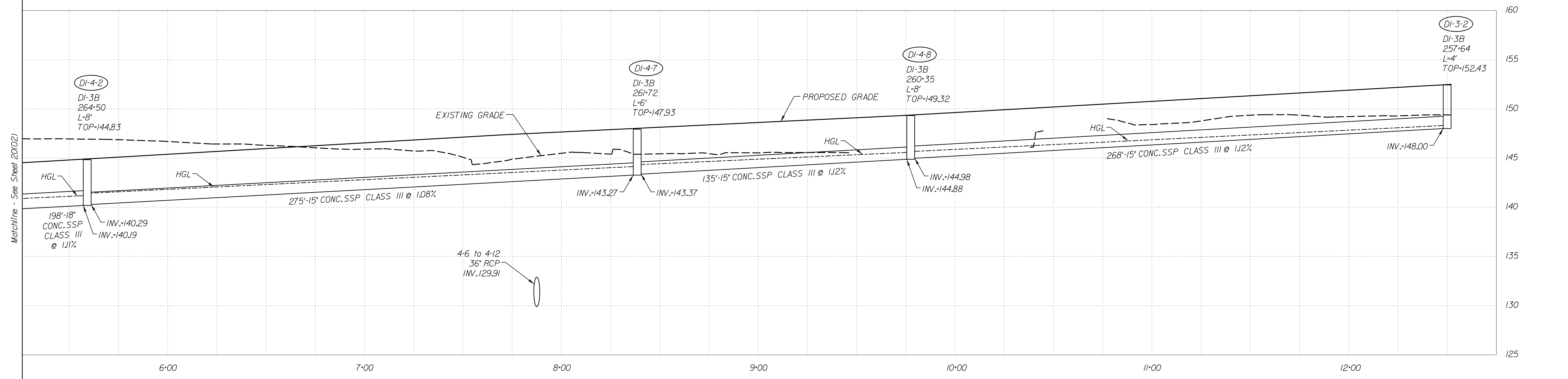
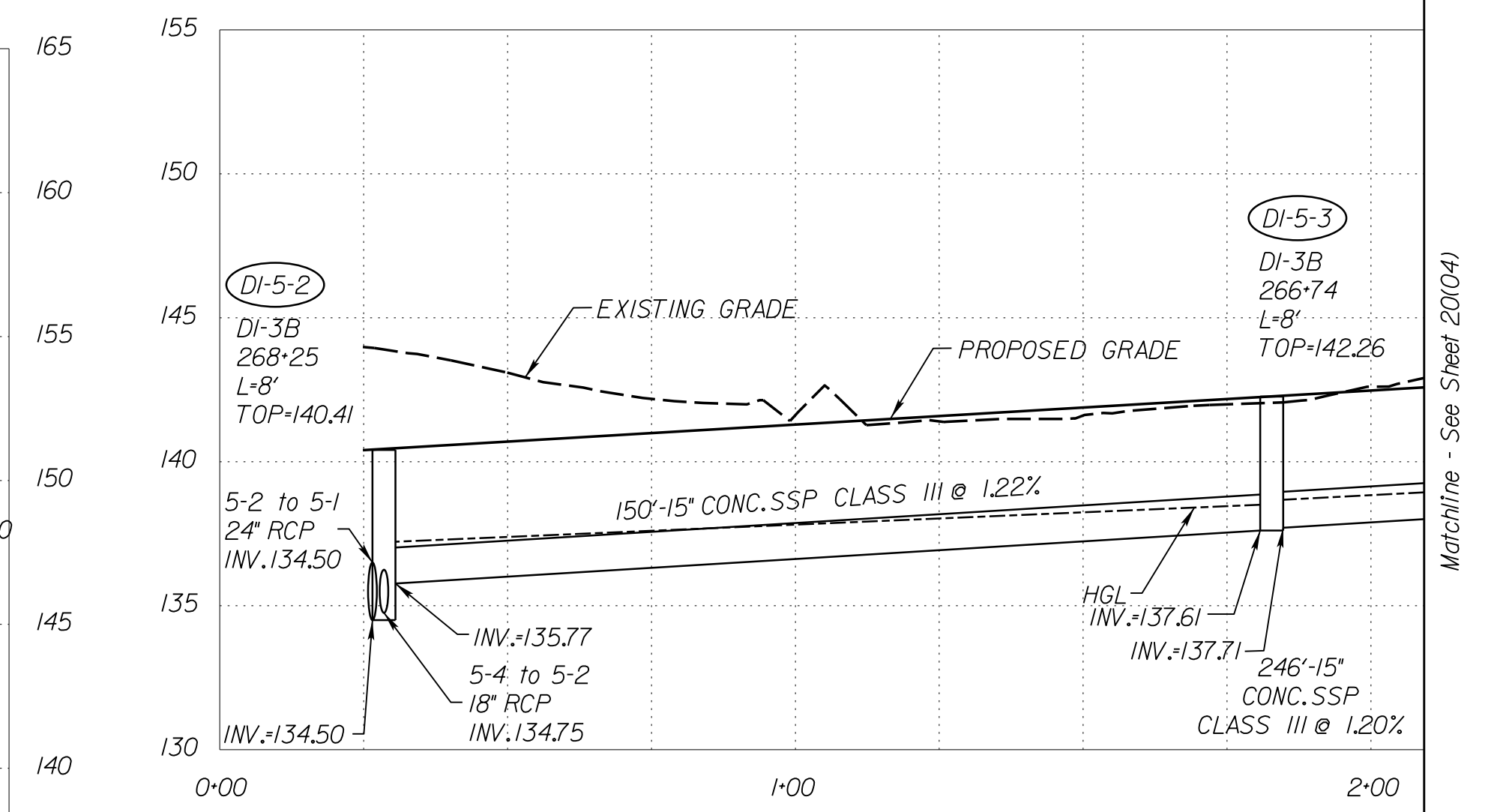
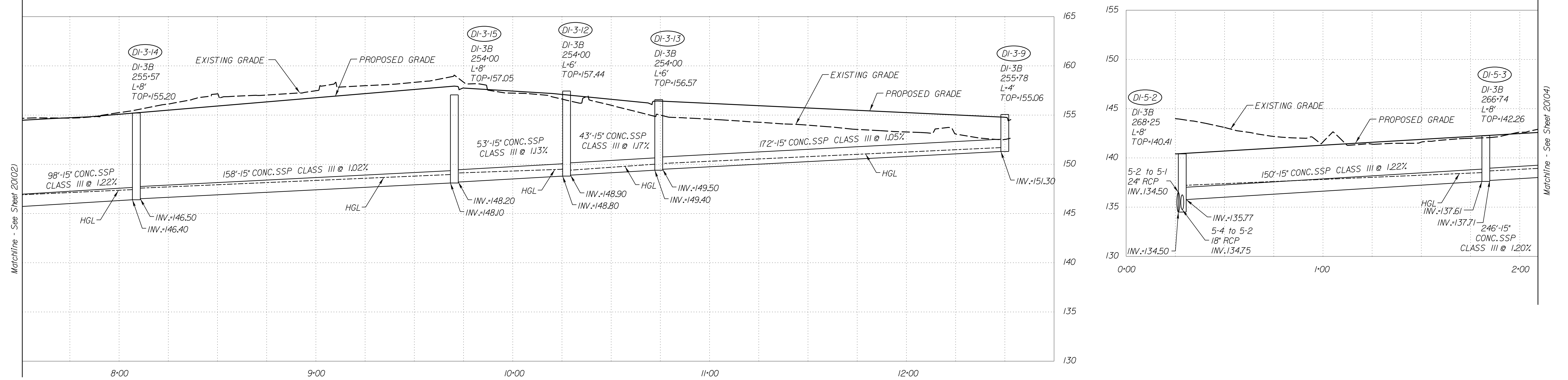
PROJECT MANAGER: Susie Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, Engineering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(3)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



VERTICAL SCALE 1"=5'



PROJECT	SHEET NO.
0001-212-249	20(3)

R/W PLANS

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 9201 Ardenum Parkway  
 Suite 510  
 Richmond, Virginia 23236  
 Phone: (804) 323-9900

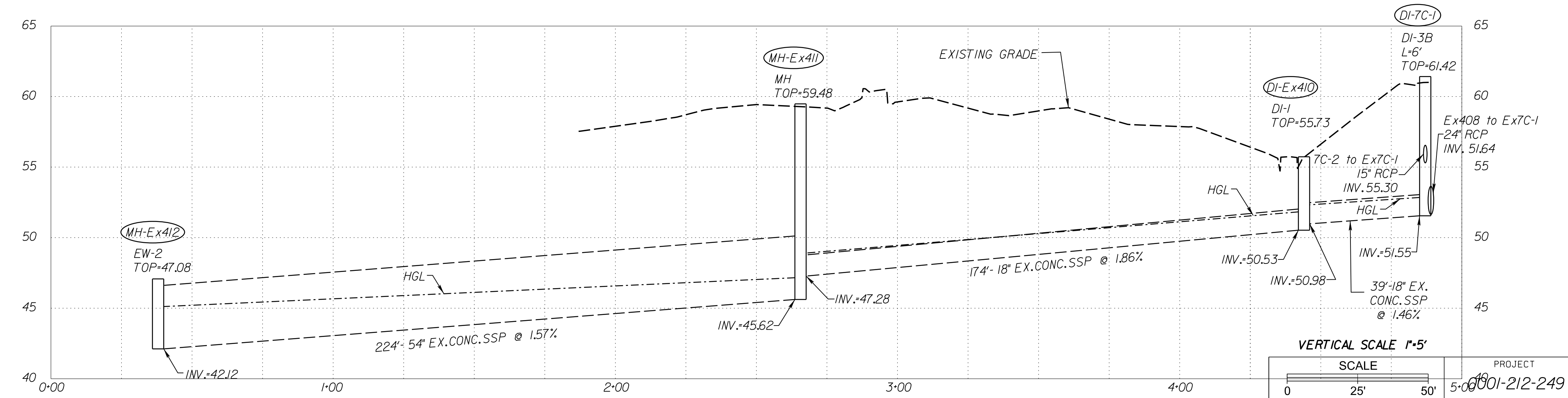
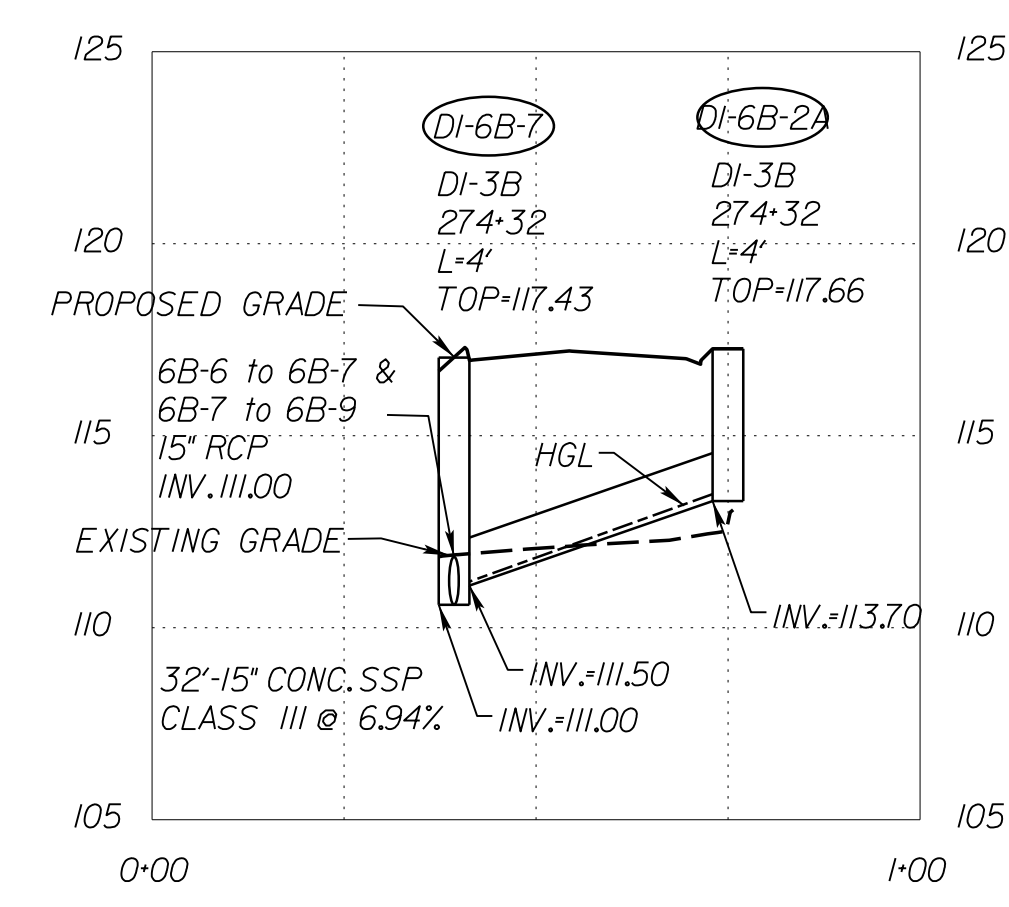
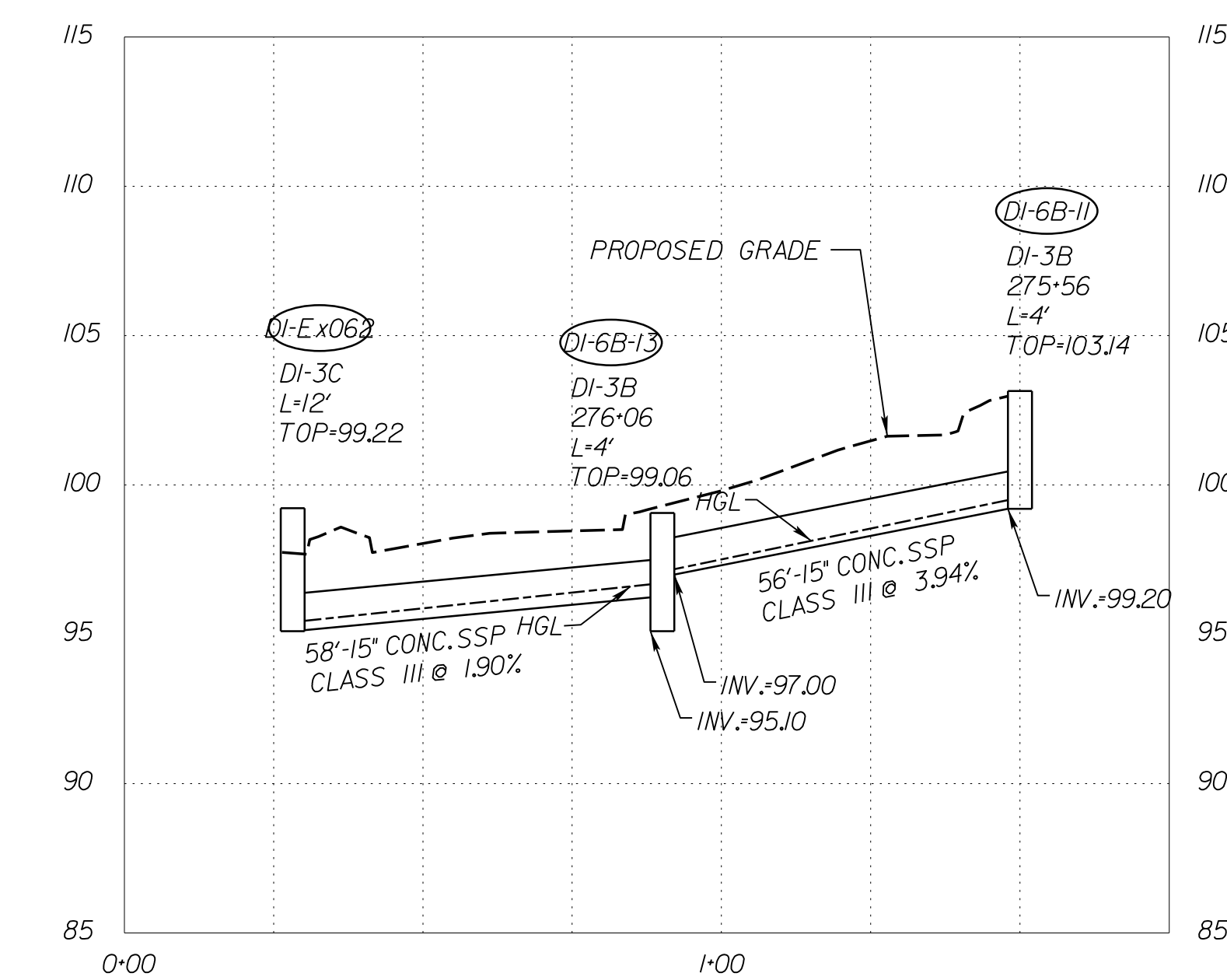
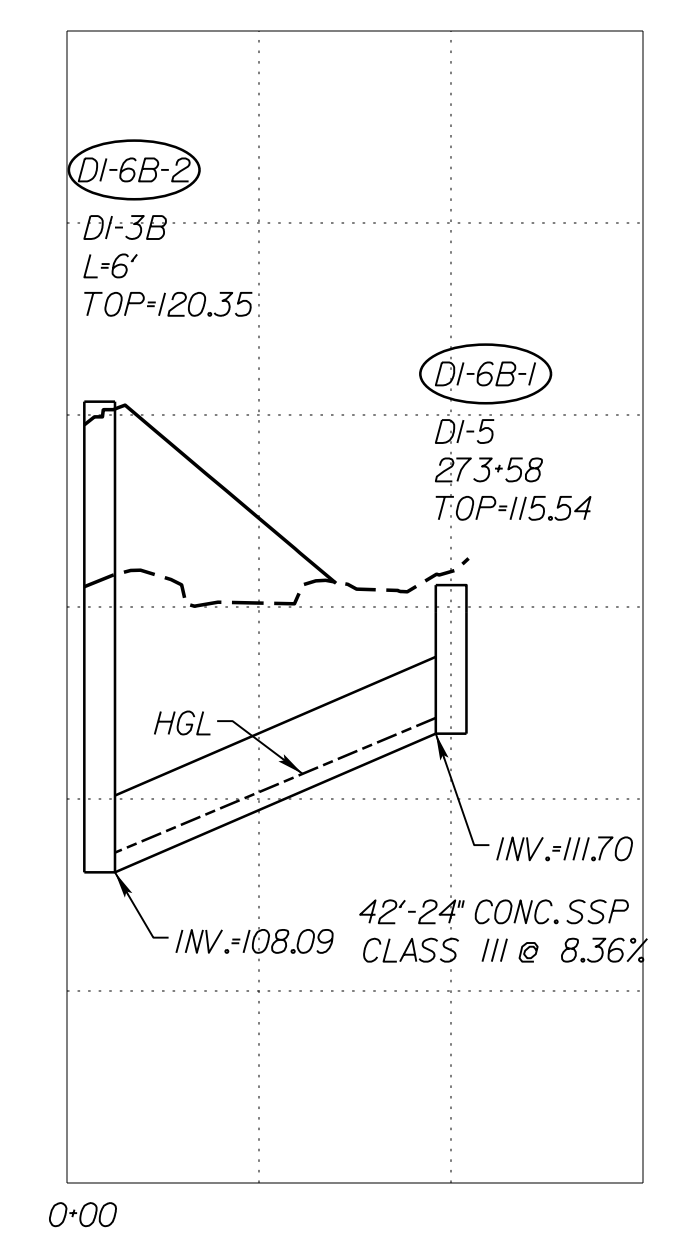
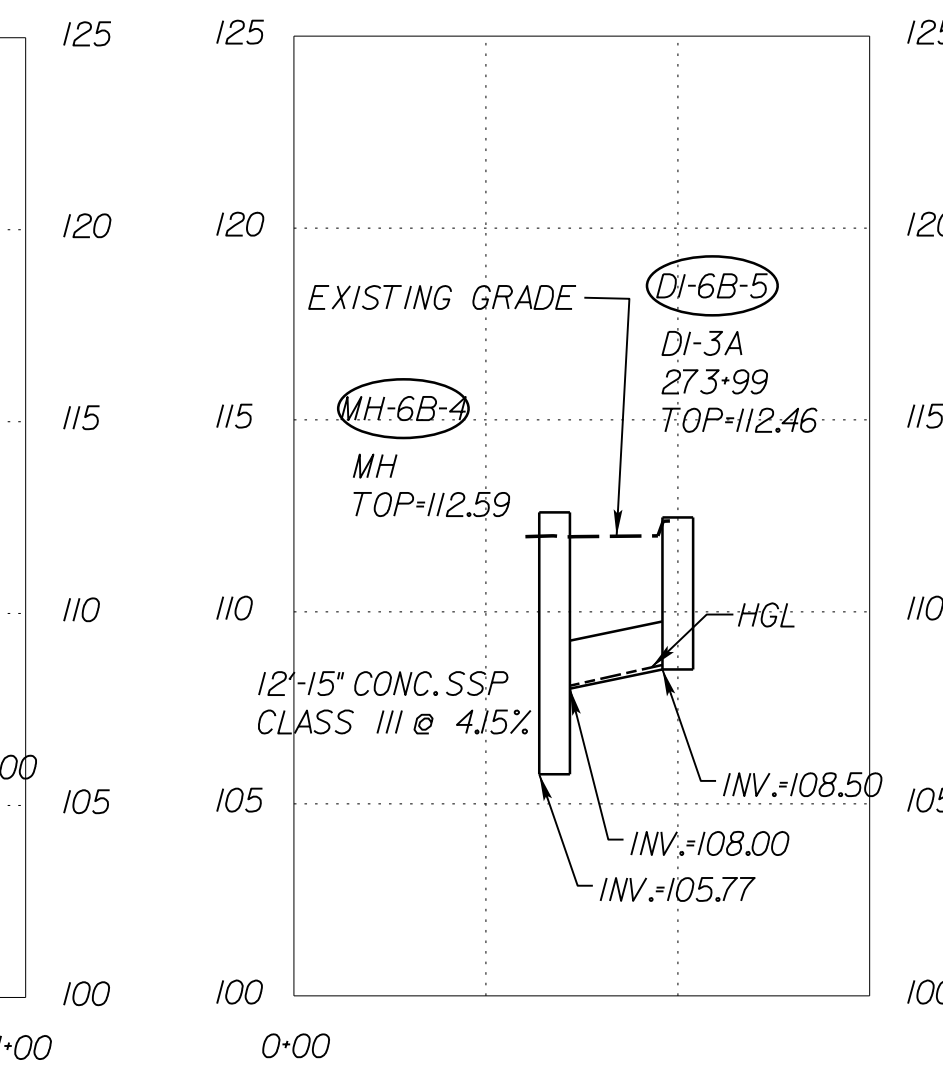
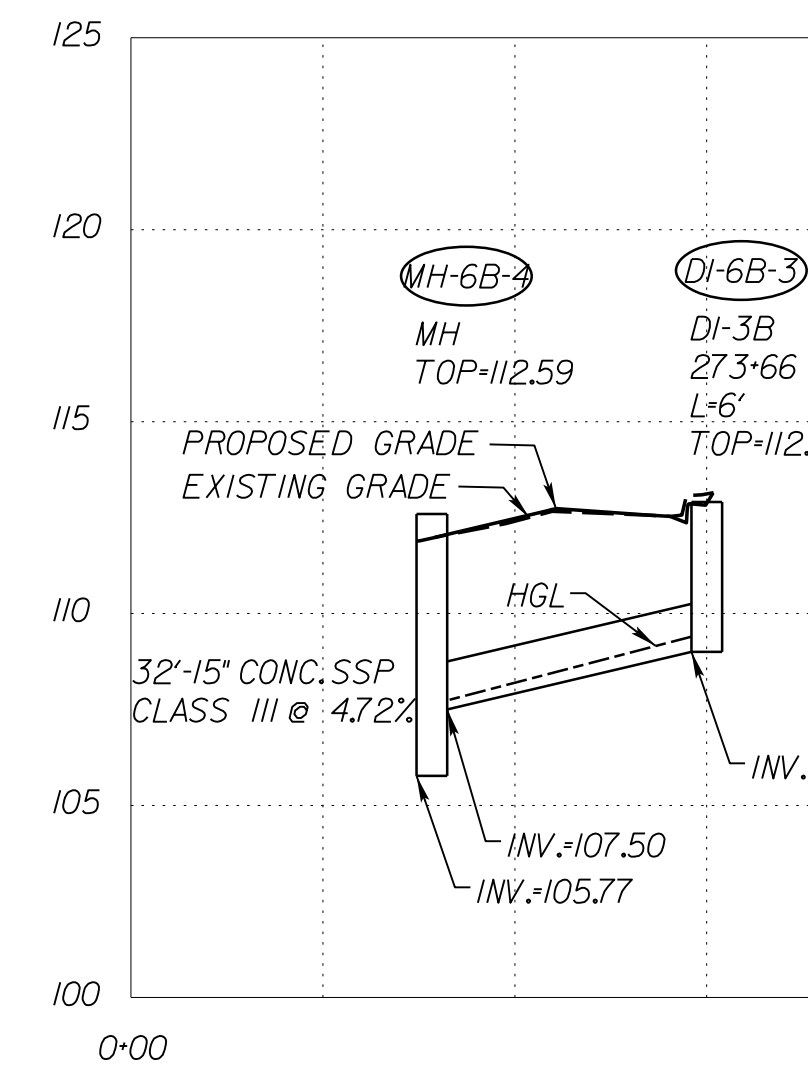
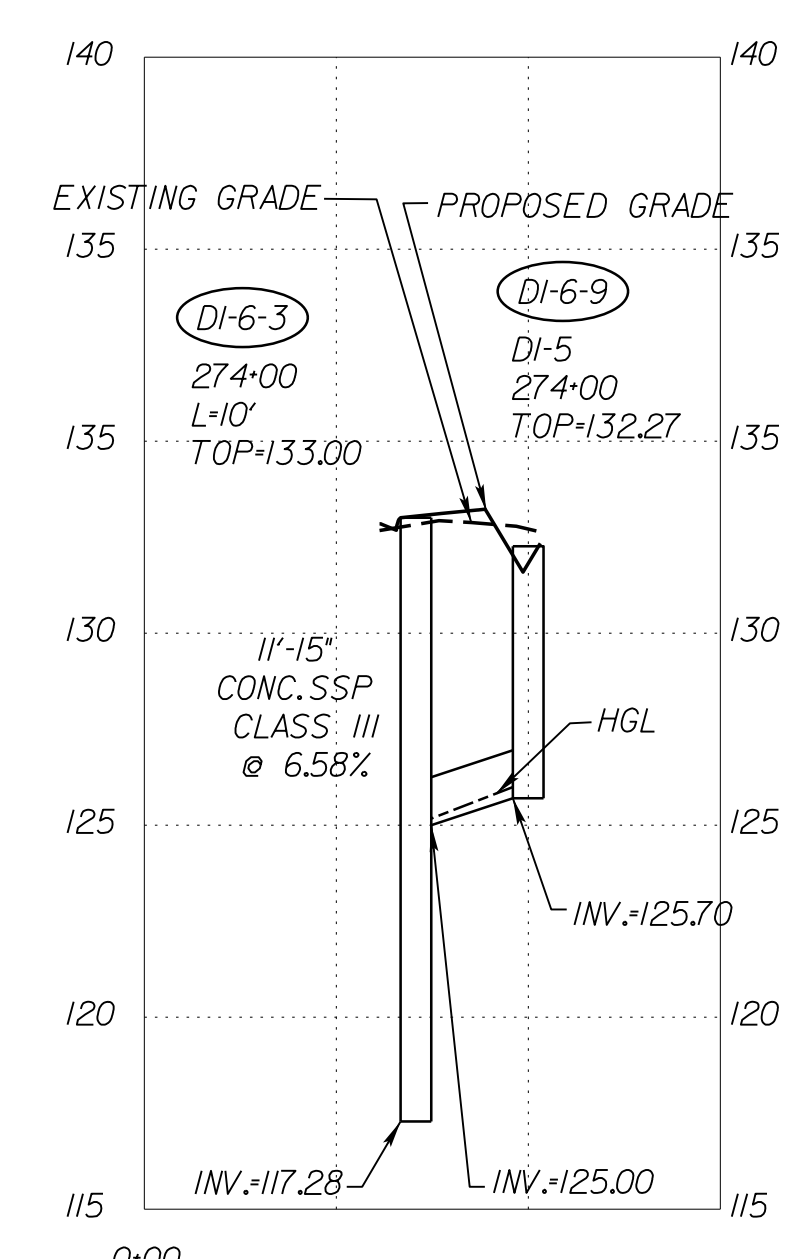
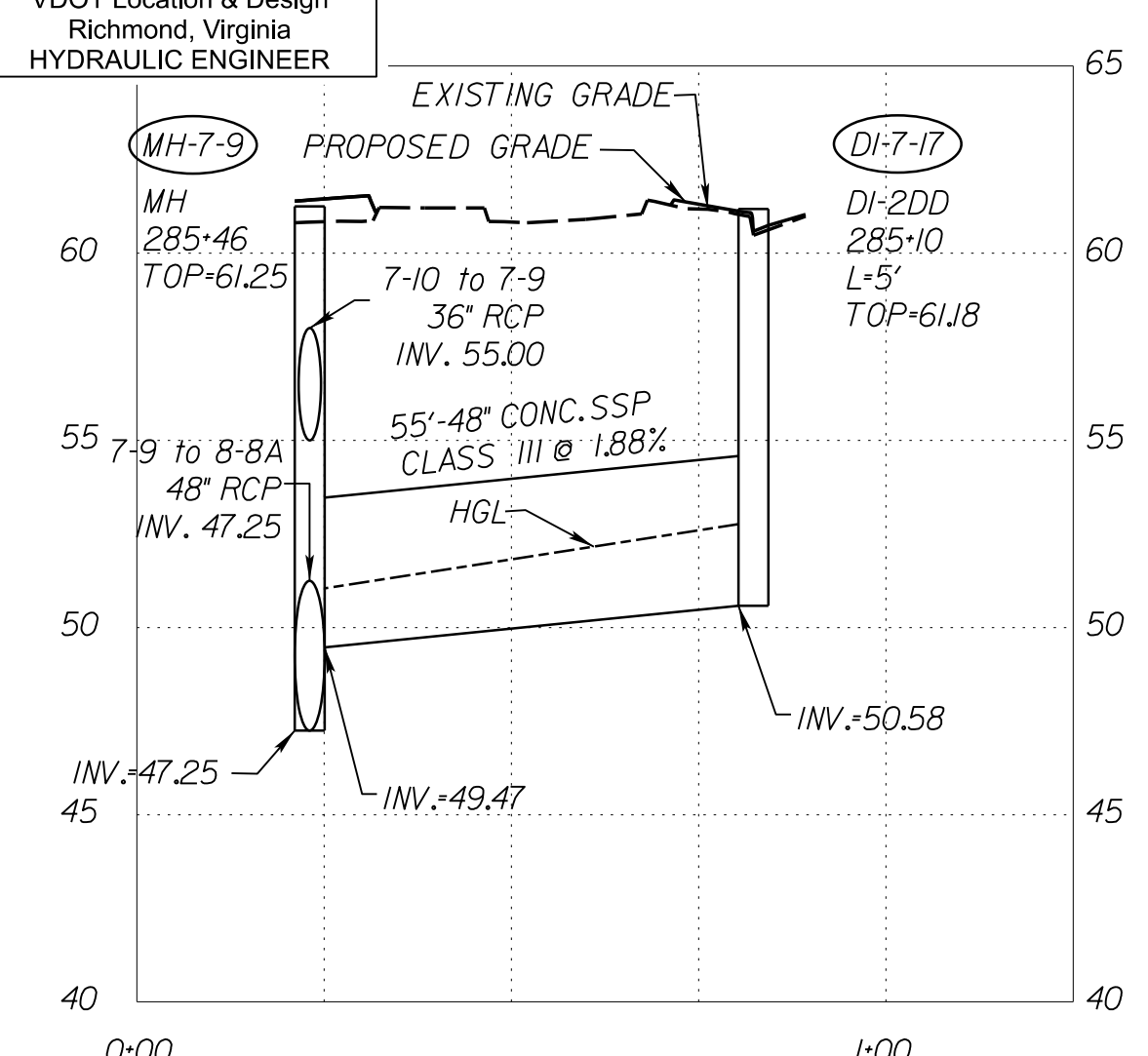
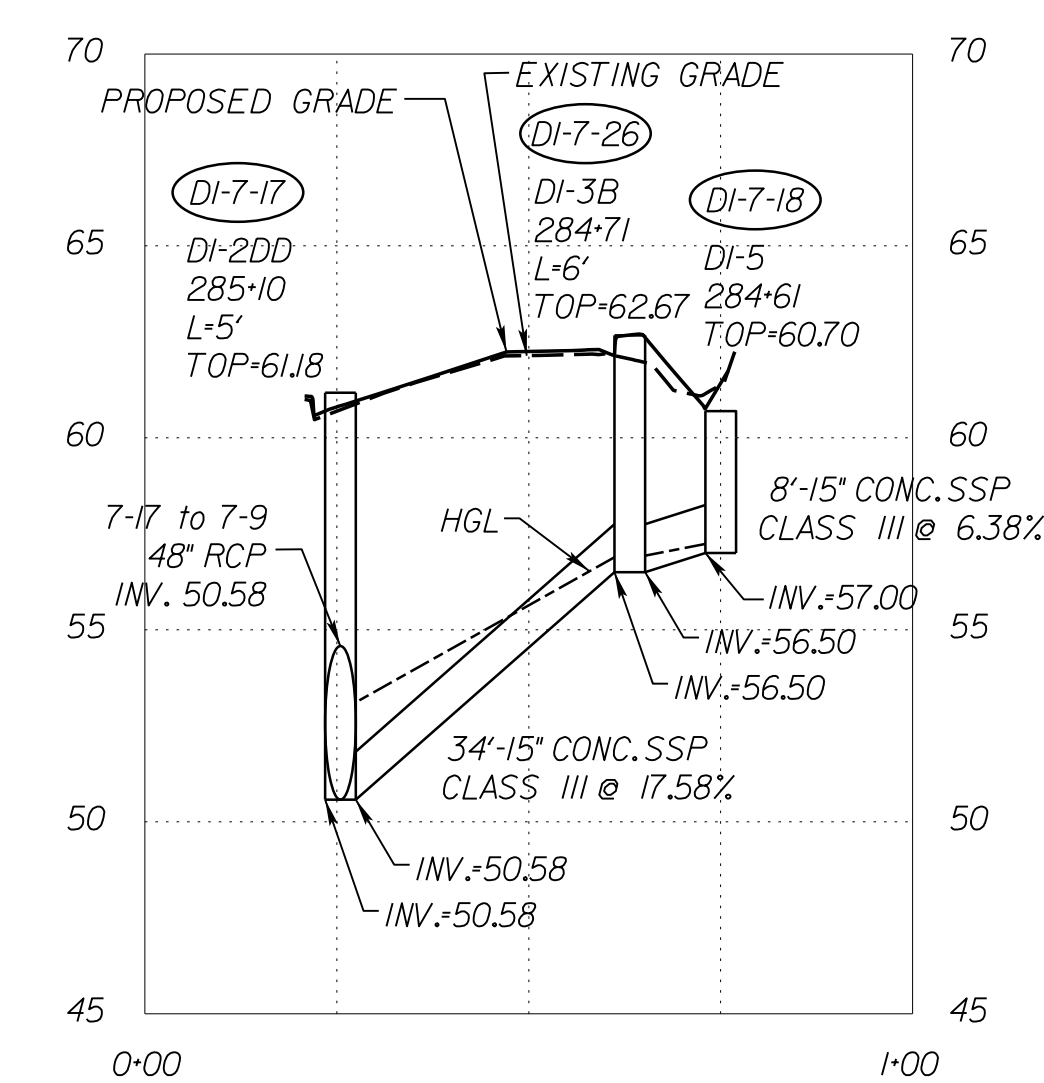
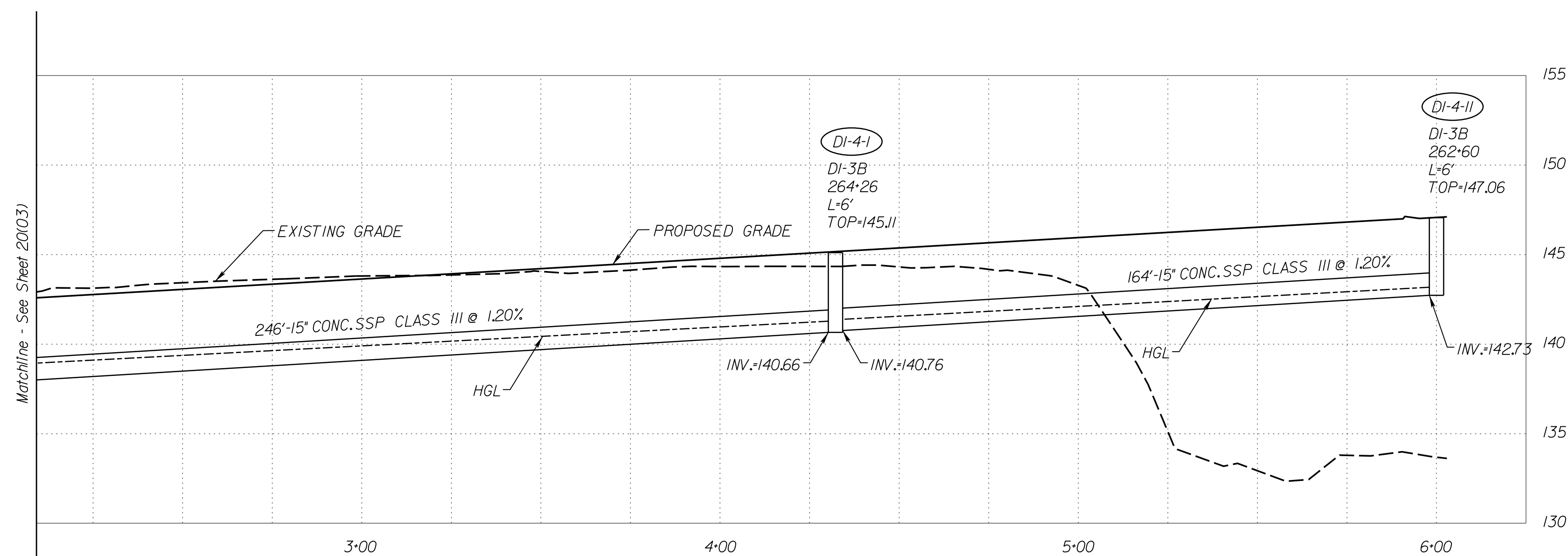
PROJECT MANAGER: *Suste Luv* (703)259-2918, *NOVA District*  
 SURVEYED BY, DATE: *Leon E. Treutle, LS* (703)259-3224, 7/17/13  
 DESIGN BY: *JMT, E* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS* (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(4)

DESIGN FEATURES RELATING TO CONSTRUCTION  
 OR TO REGULATION AND CONTROL OF TRAFFIC  
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 NECESSARY BY THE DEPARTMENT

VDOT Location & Design  
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R/W PLANS

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SCALE	PROJECT	SHEET NO.
0 25' 50'	0001-212-249	20(4)

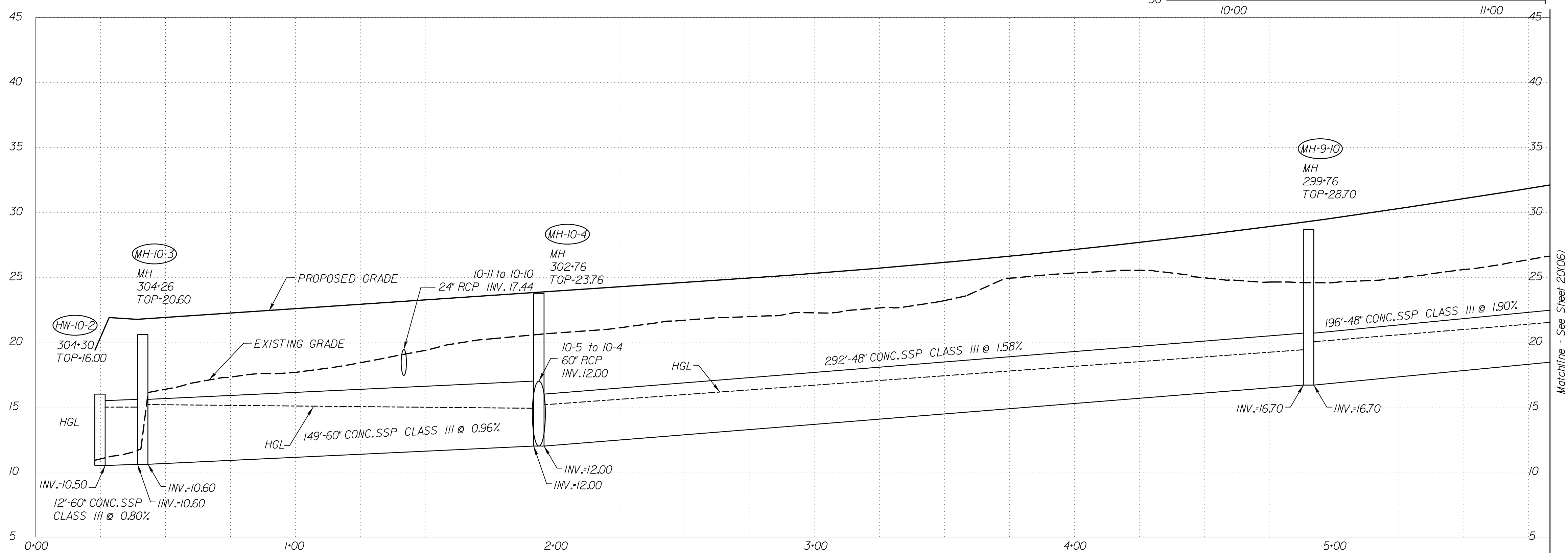
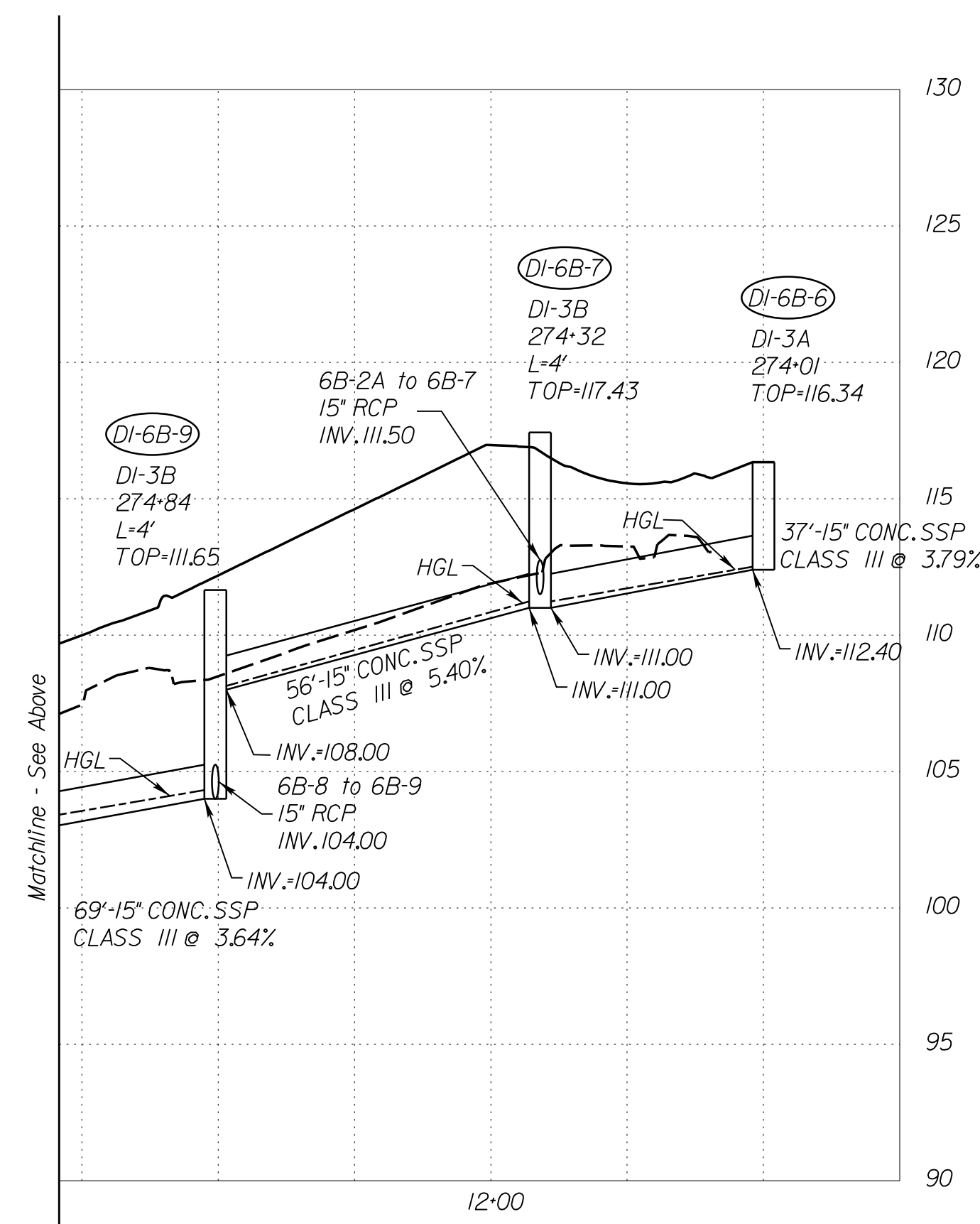
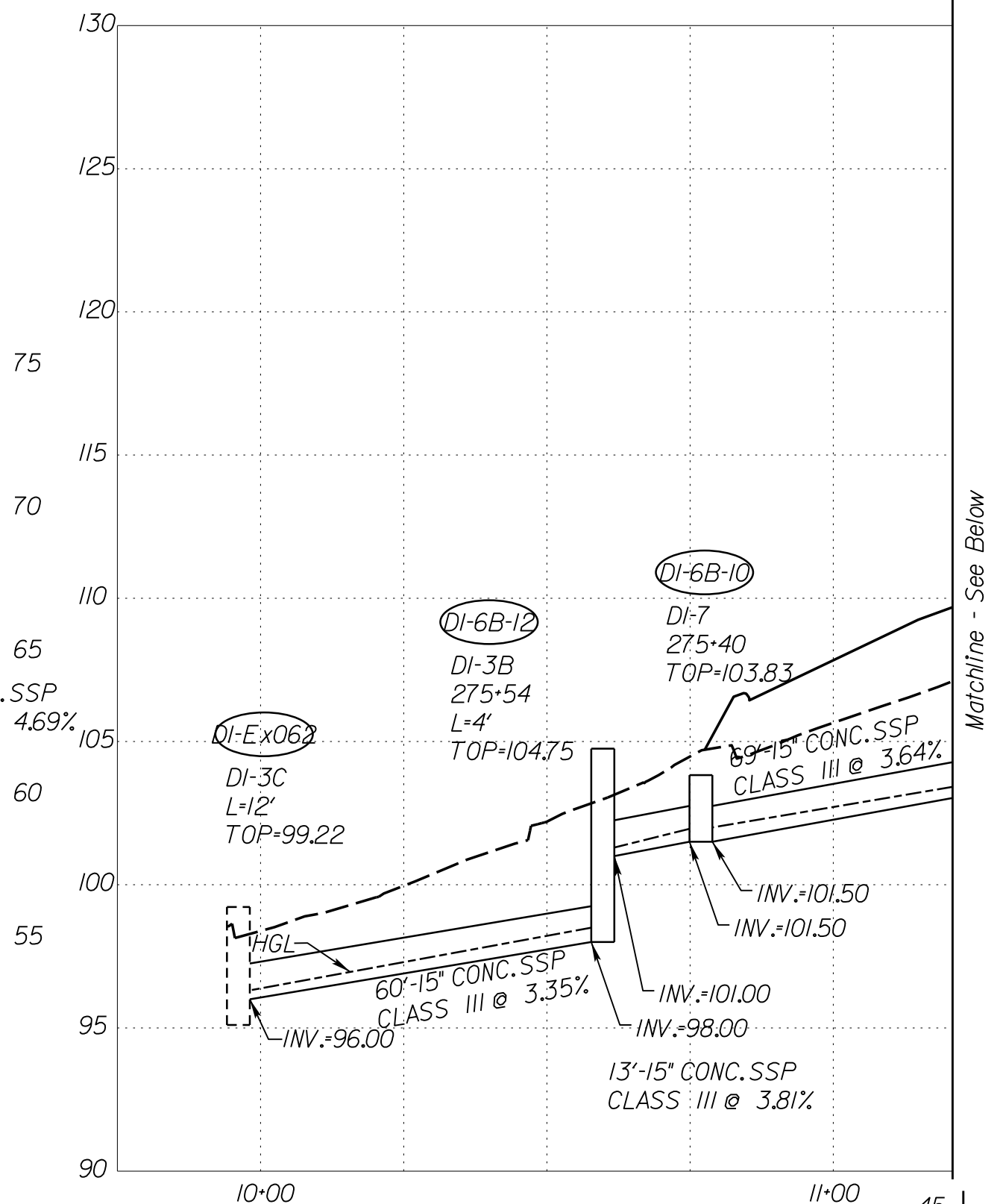
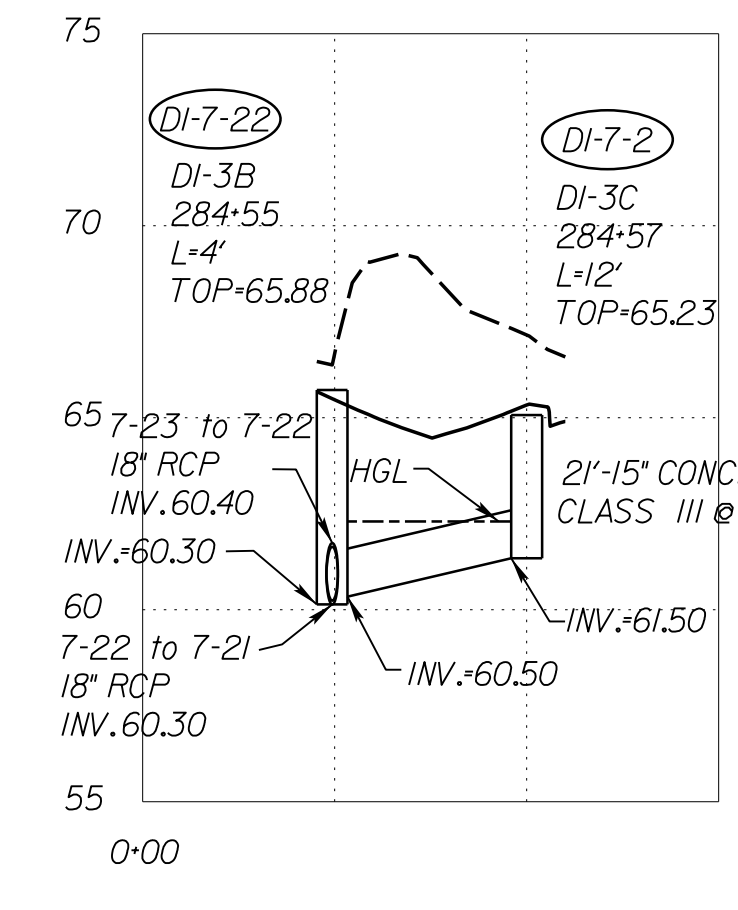
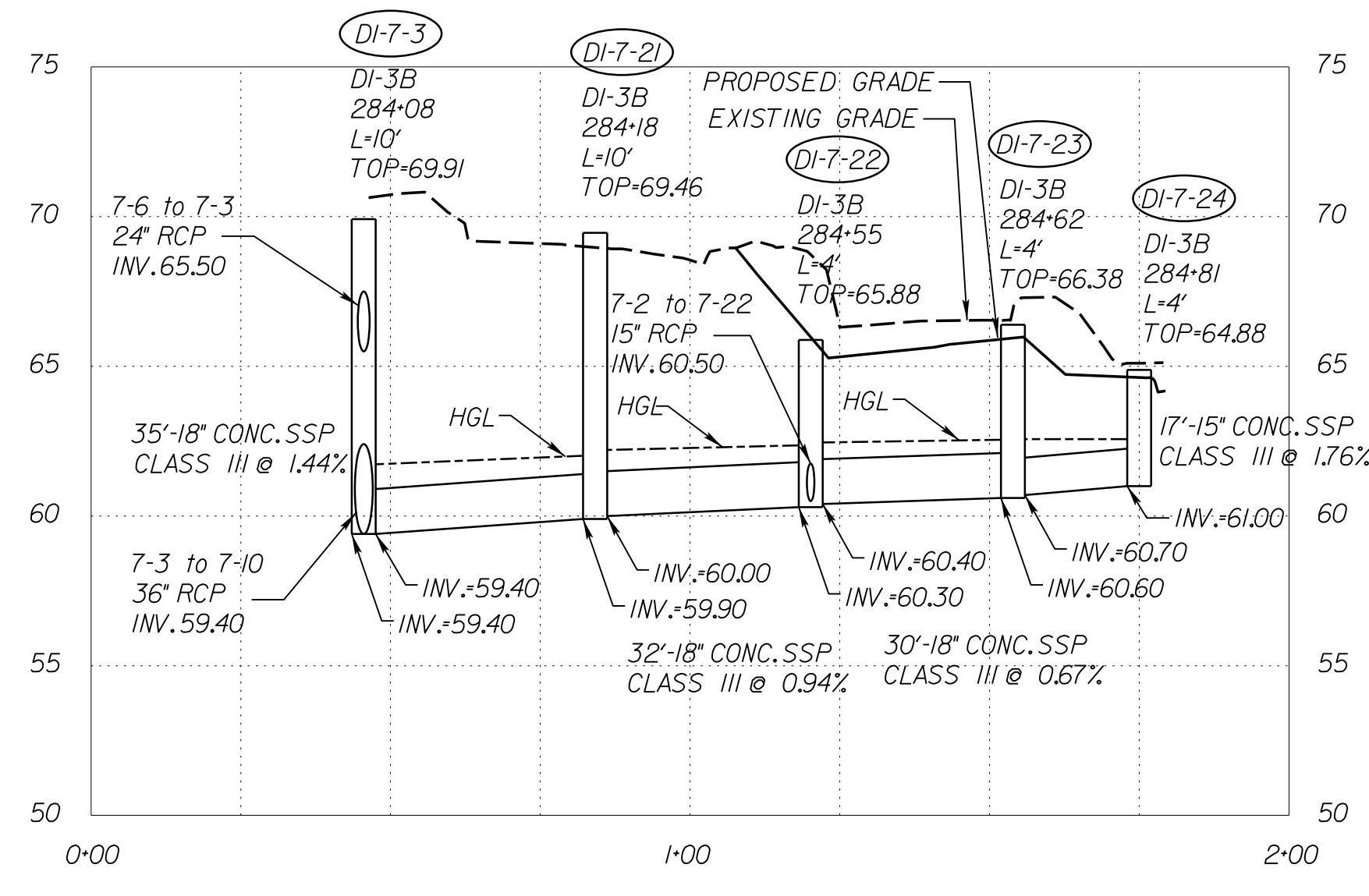
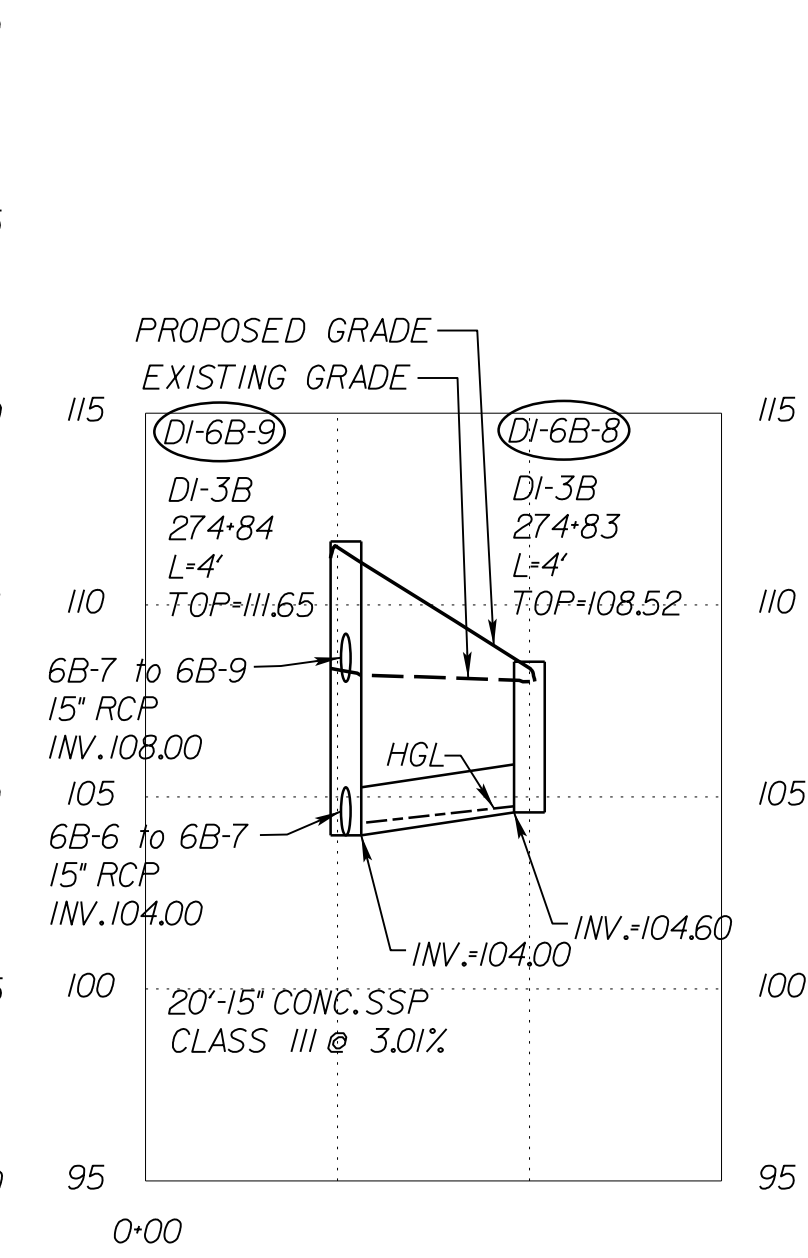
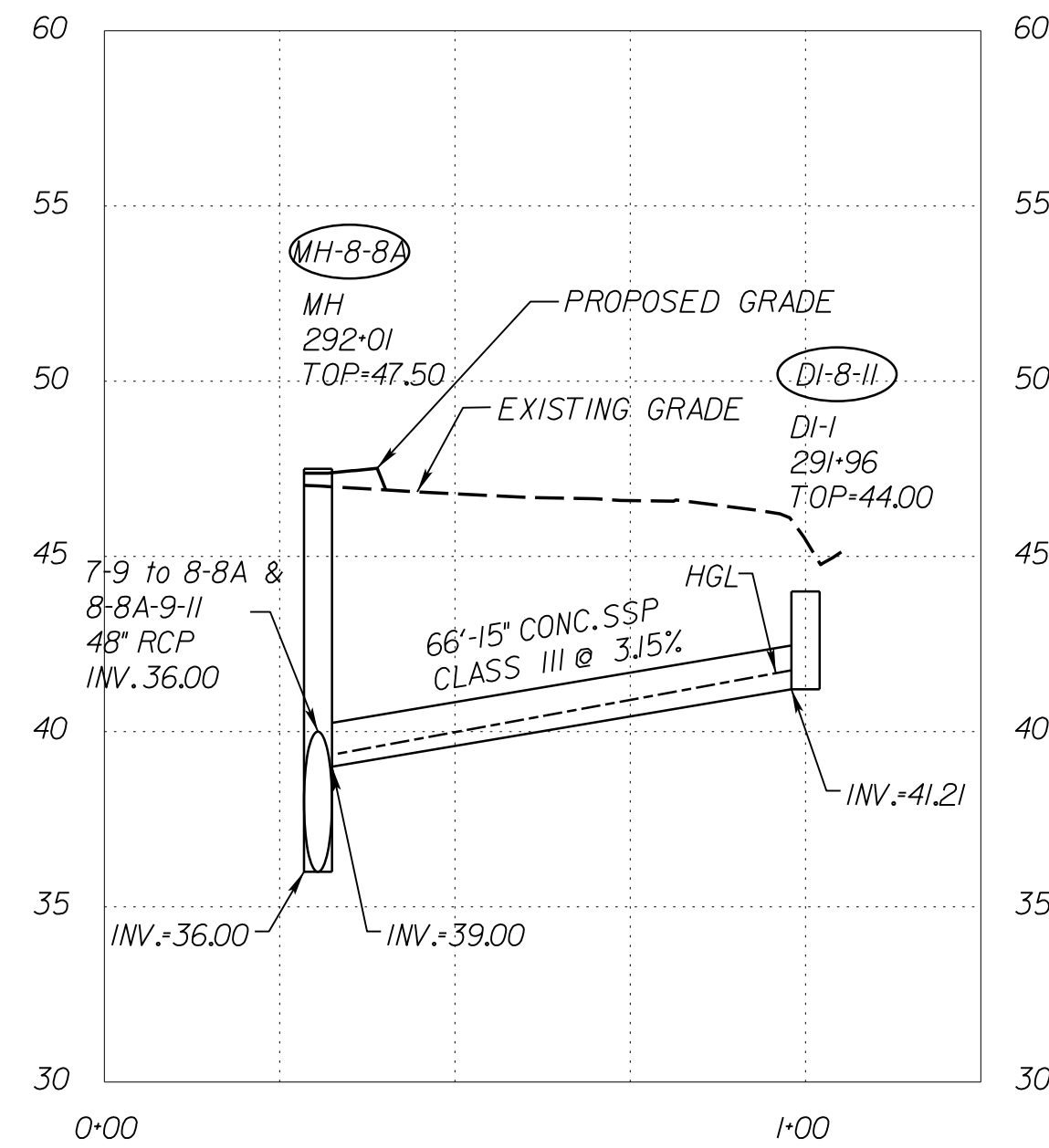
PROJECT MANAGER: Susie Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, Engineering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(05)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



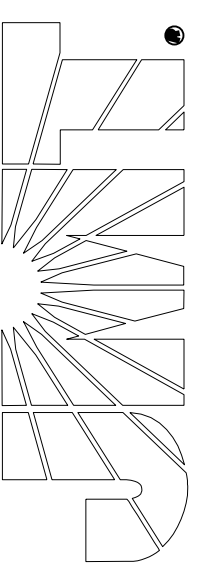
VERTICAL SCALE 1"=5'  
SCALE 0 25' 50'  
PROJECT 0001-212-249  
SHEET NO. 20(05)

R/W PLANS

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



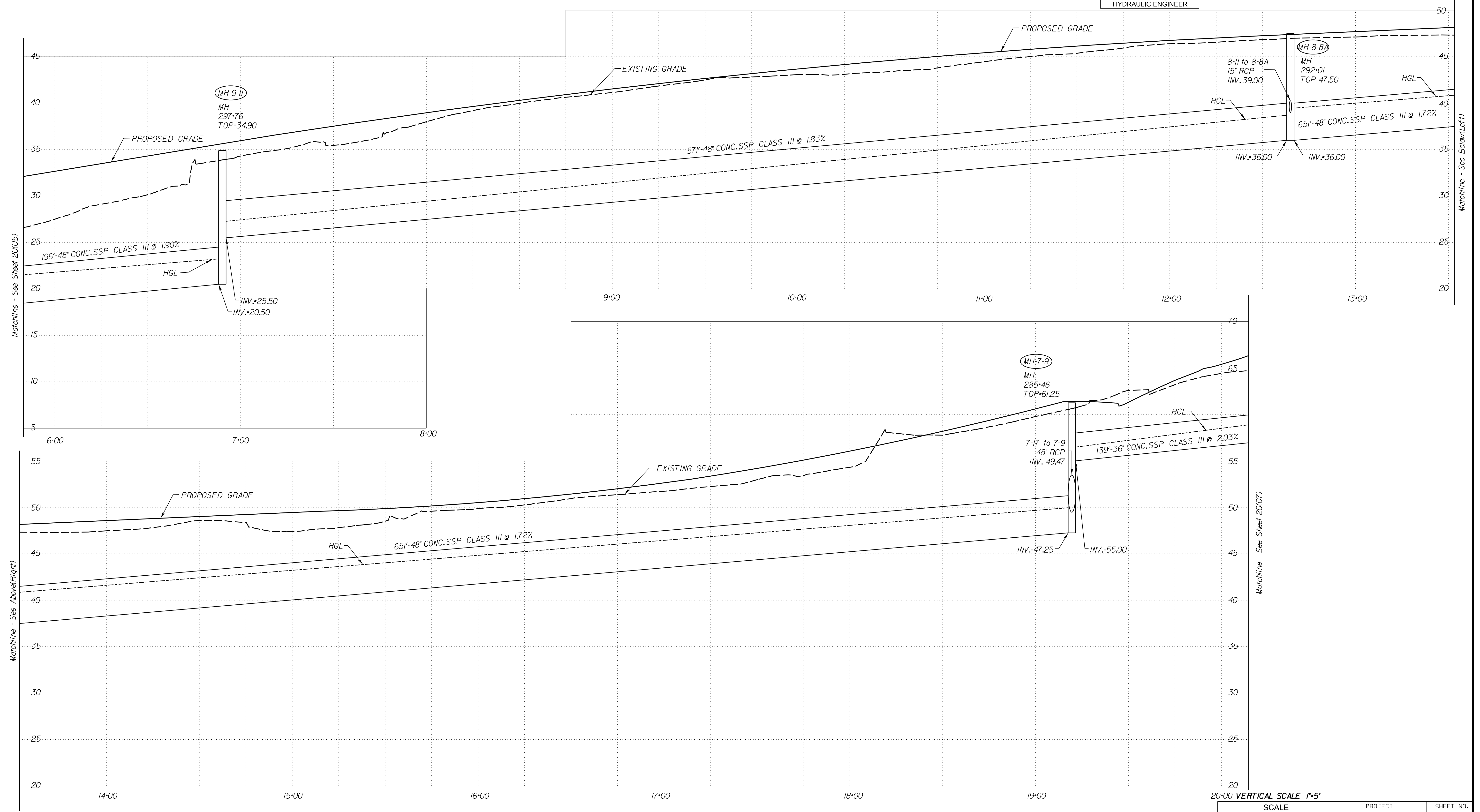
JOHNSON, WILKINSON & TENDON  
9201 Arpentum Parkway  
Suite 510  
Richmond, Virginia 23236  
Phone: (804) 323-9900



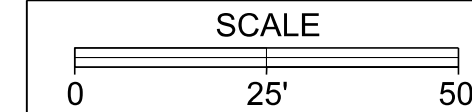
PROJECT MANAGER: Susie Lue (703)259-2918 NOVA District  
SURVEYED BY, DATE: Leon E. Treutle LS (703)259-3224 7/17/13  
DESIGN BY: JMT\_Engineering (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon E. Treutle LS (703)259-3224 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(06)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT Location & Design Richmond, Virginia HYDRAULIC ENGINEER				



20'00 VERTICAL SCALE 1"=5'

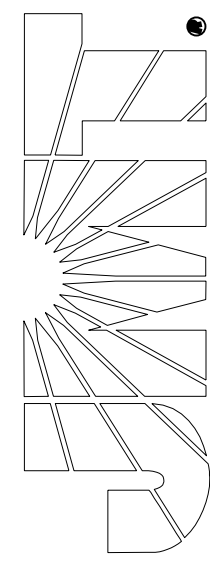


PROJECT	SHEET NO.
0001-212-249	20(06)

R/W PLANS

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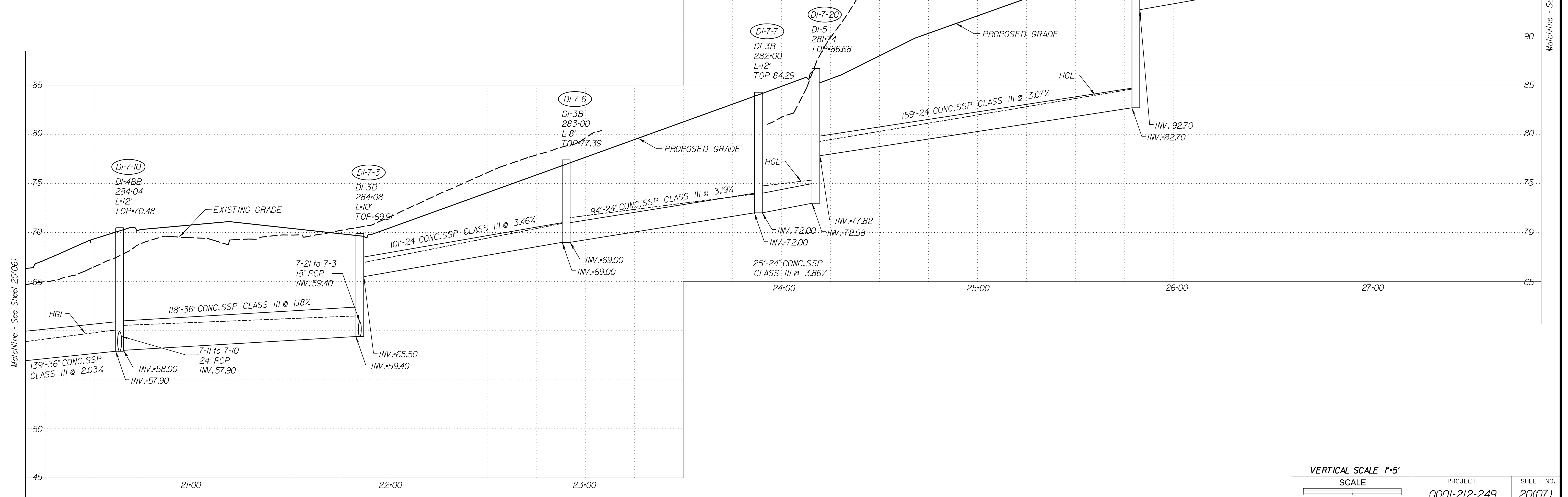
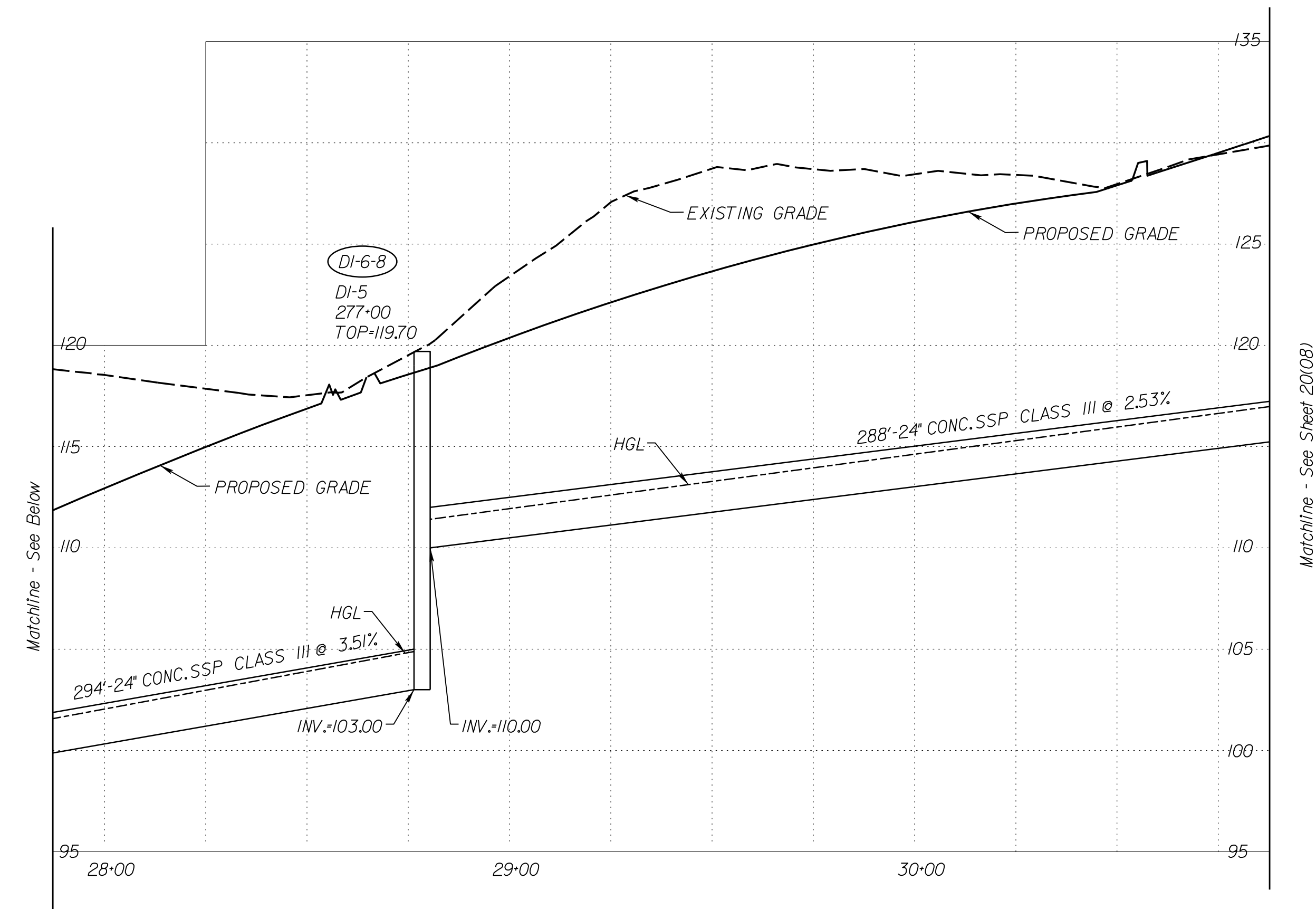
PROJECT MANAGER: Susie Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, E. Engineer, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

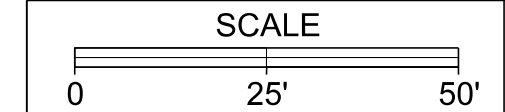
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(07)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



VERTICAL SCALE 1"=5'



PROJECT	SHEET NO.
0001-212-249	20(07)

R/W PLANS

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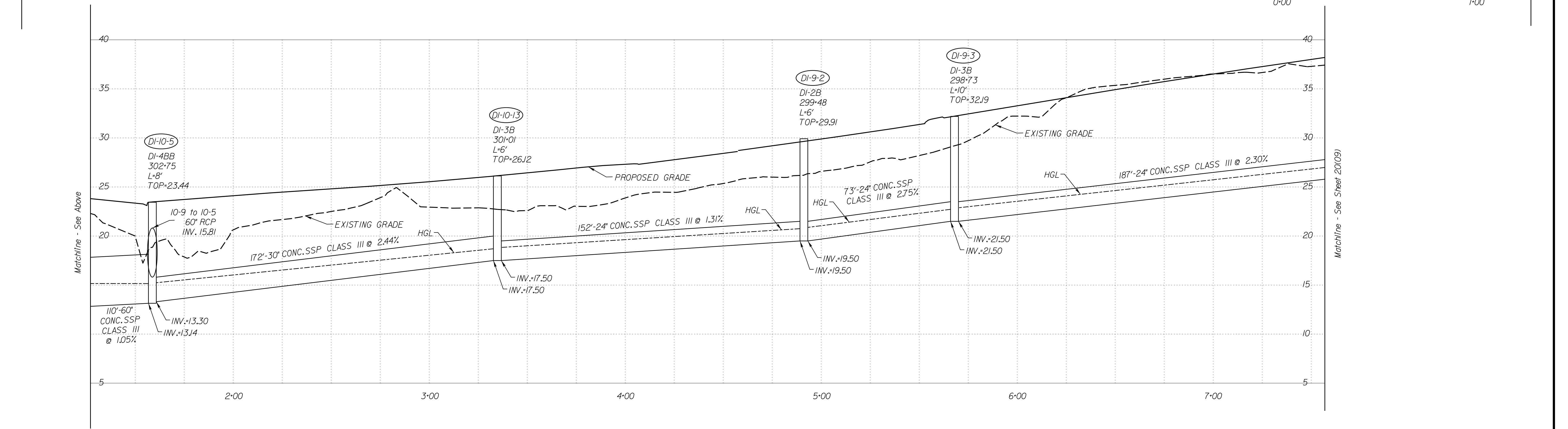
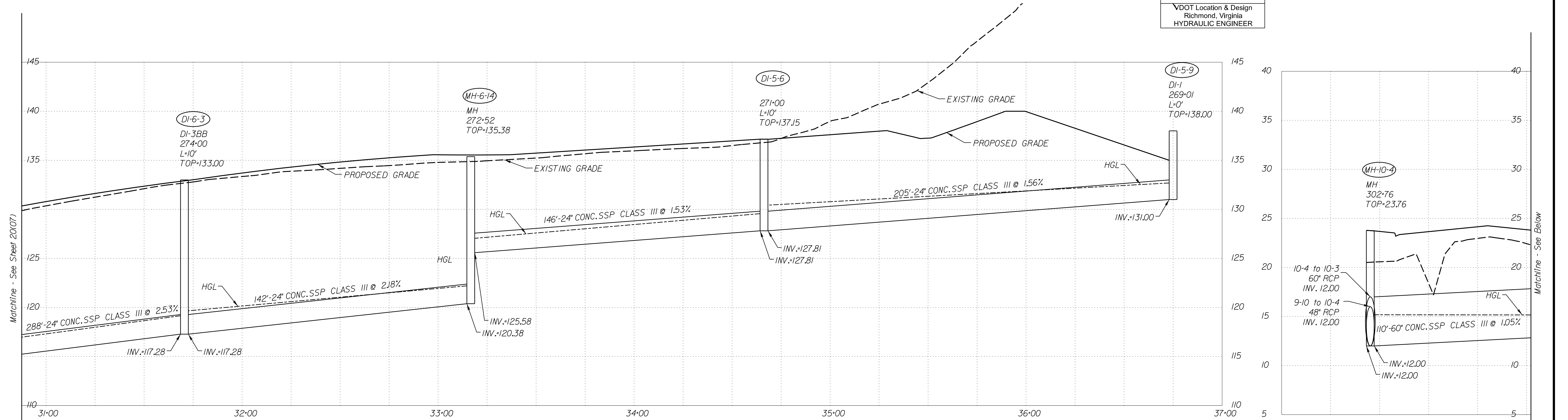
PROJECT MANAGER: Susie Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, Engineering (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

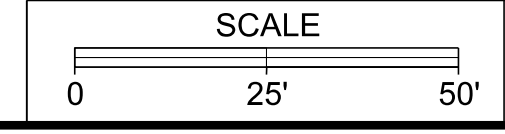
REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	VA.	1	0001-212-249, PE-101	20(08)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



VERTICAL SCALE 1"=5'



PROJECT	SHEET NO.
0001-212-249	20(08)

R/W PLANS

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JOHNSON WILKINSON & THOMPSON  
9201 Archedum Parkway  
Suite 510  
Richmond, Virginia 23236  
Phone: (804) 323-9900

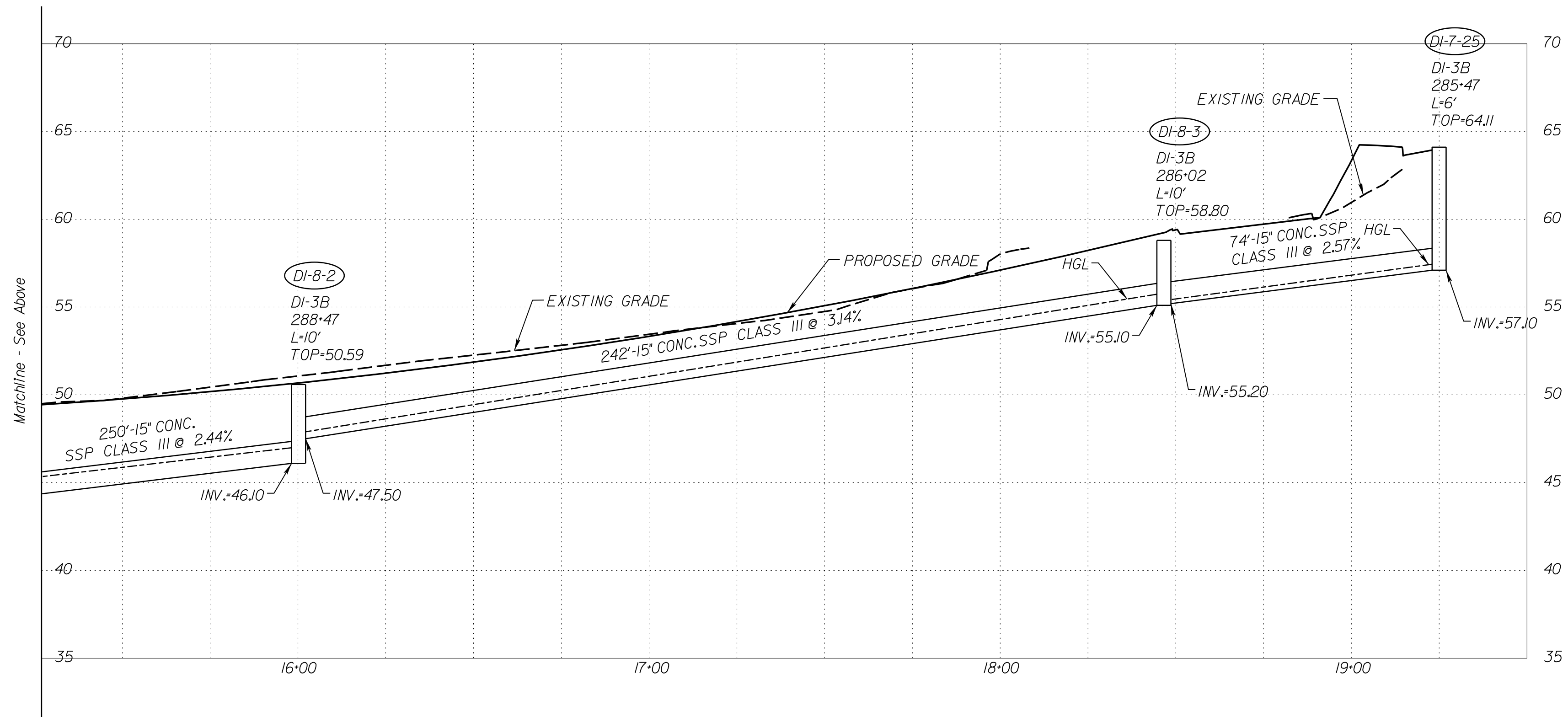
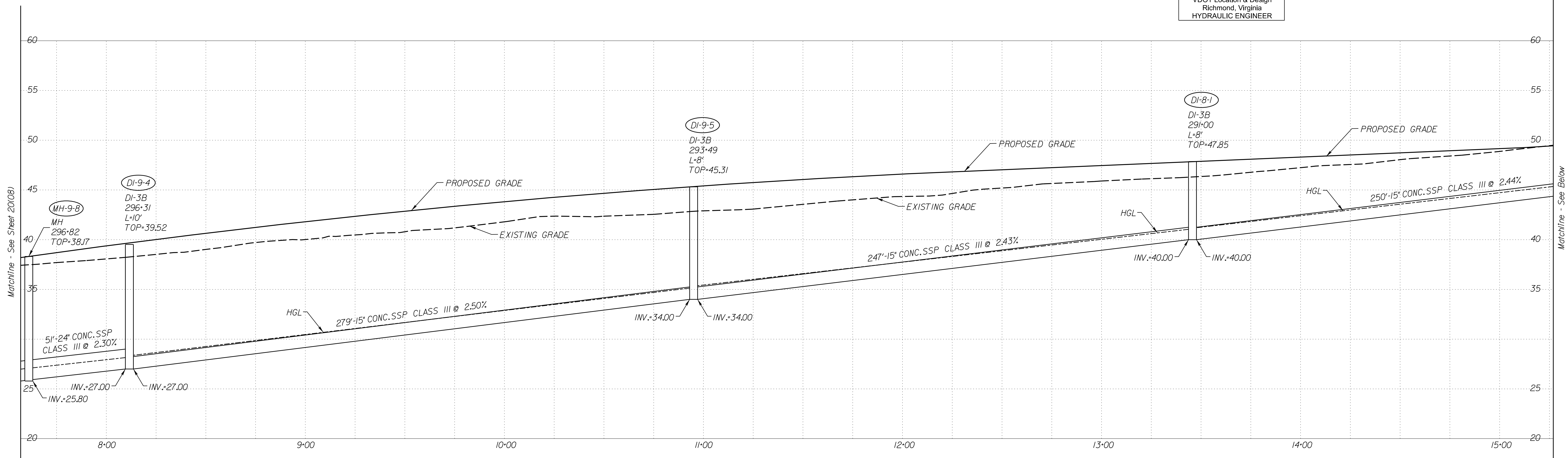
PROJECT MANAGER: Susie Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, Engineering (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

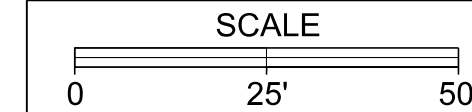
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(09)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



VERTICAL SCALE 1"=5'



PROJECT	SHEET NO.
0001-212-249	20(09)

R/W PLANS

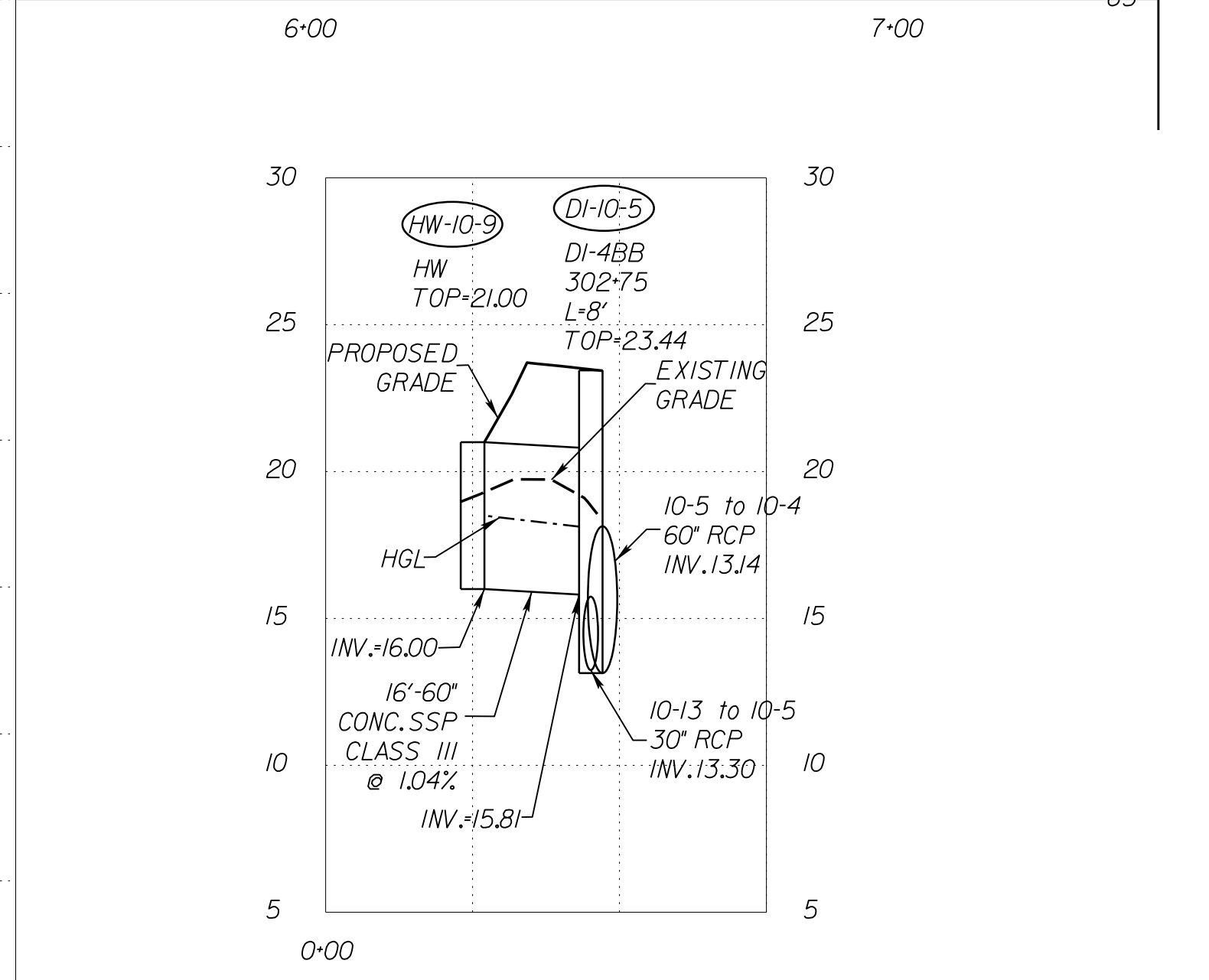
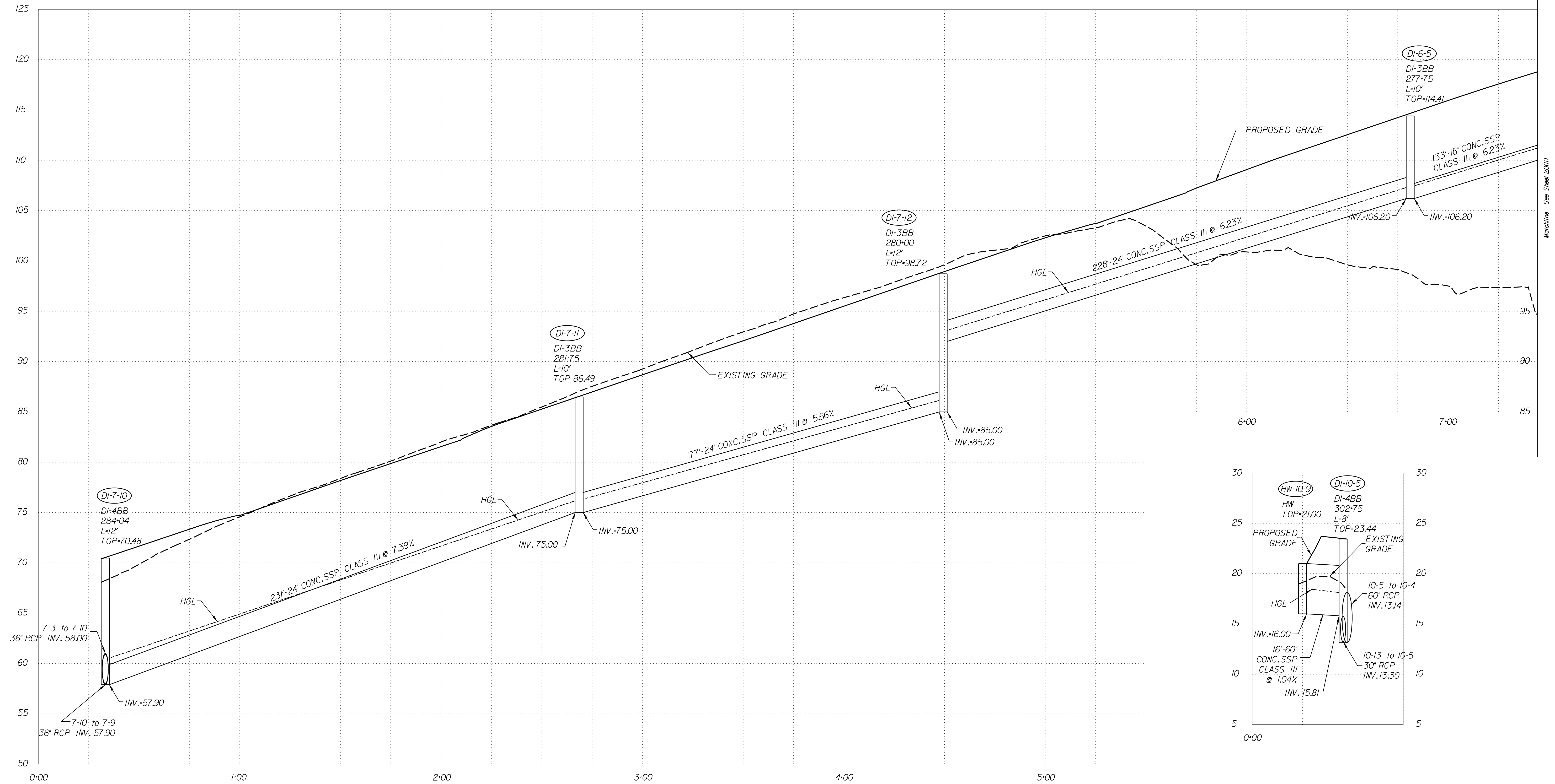
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9201 Archedum Parkway  
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Richmond, Virginia 23236  
Phone: (804) 323-9900

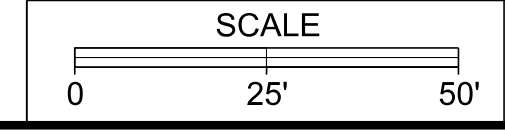
PROJECT MANAGER: Suste, Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, E. Engleering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	STATE		SHEET NO.
	VA.	ROUTE	PROJECT	
		1	0001-212-249, PE-101	20(10)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT Location & Design Richmond, Virginia HYDRAULIC ENGINEER				



VERTICAL SCALE 1"=5'



PROJECT 0001-212-249 SHEET NO. 20(10)

R/W PLANS

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Suite 510  
Richmond, Virginia 23236  
Phone: (804) 323-9900

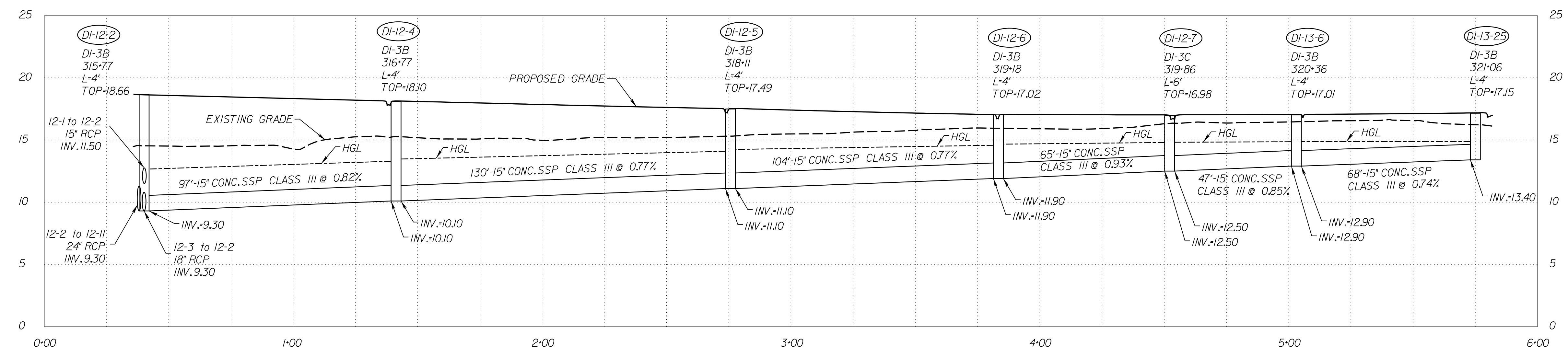
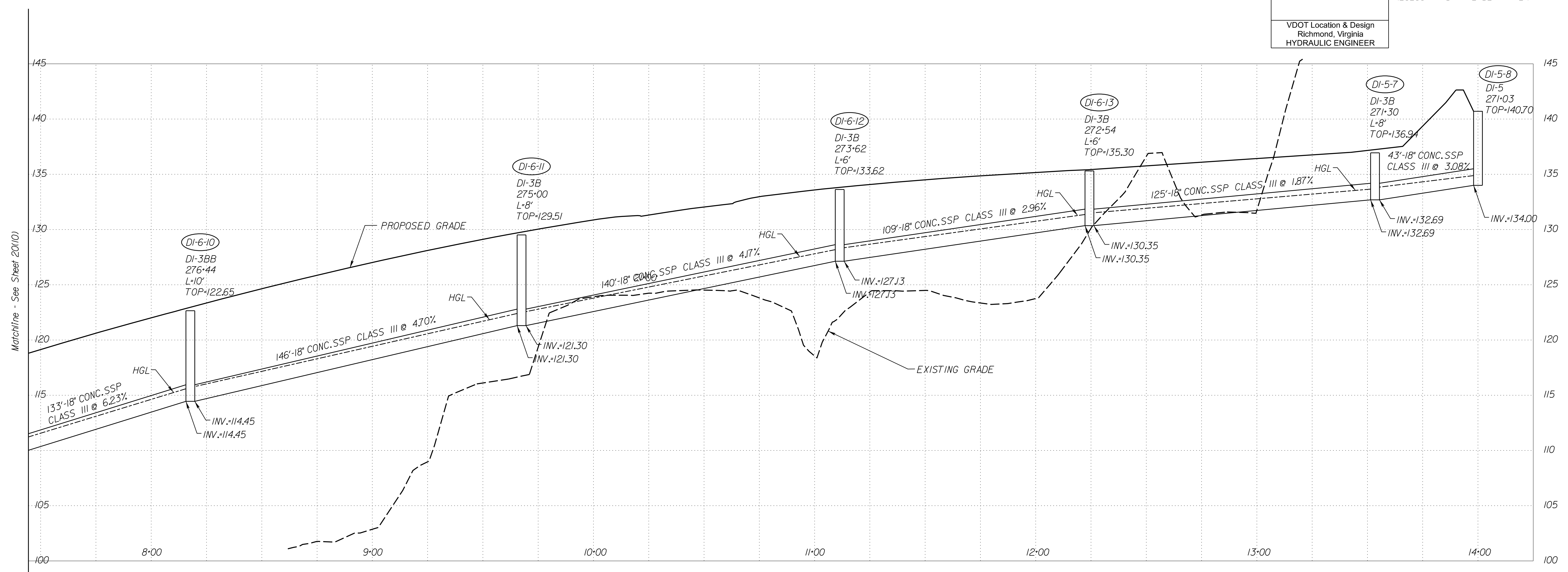
PROJECT MANAGER: Susie Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, Engineering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

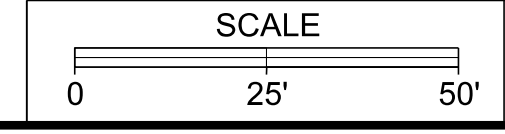
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(11)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



VERTICAL SCALE 1"=5'



PROJECT	SHEET NO.
0001-212-249	20(11)

R/W PLANS

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

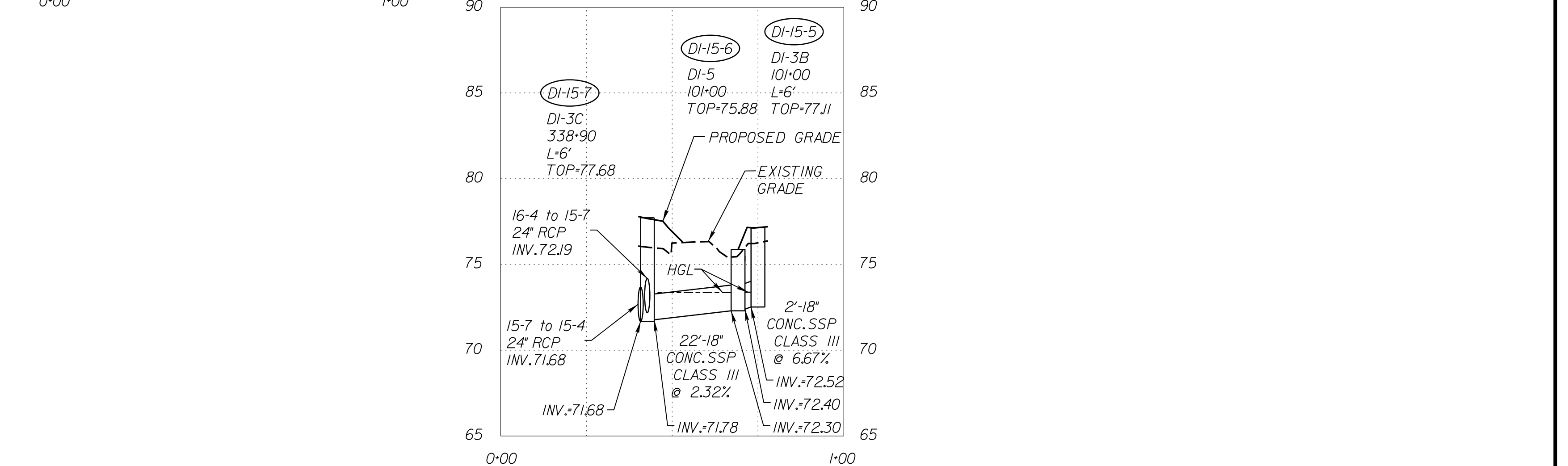
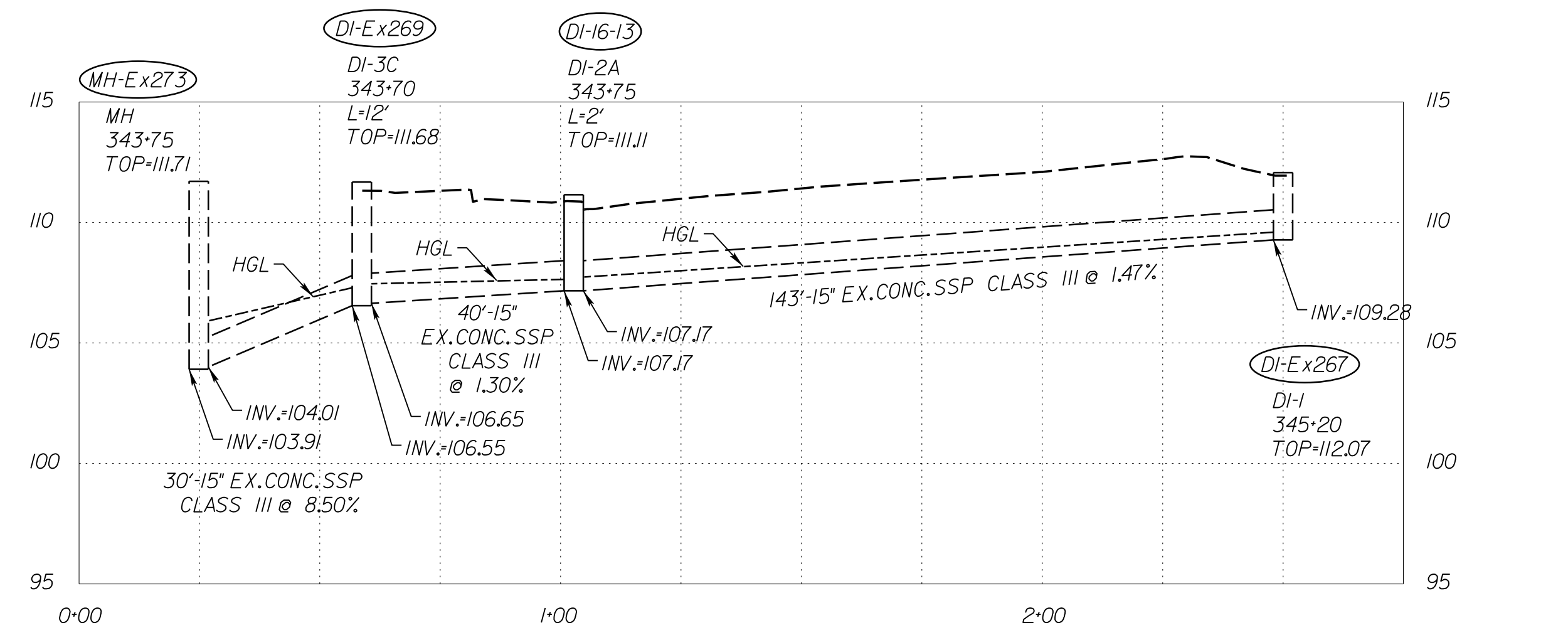
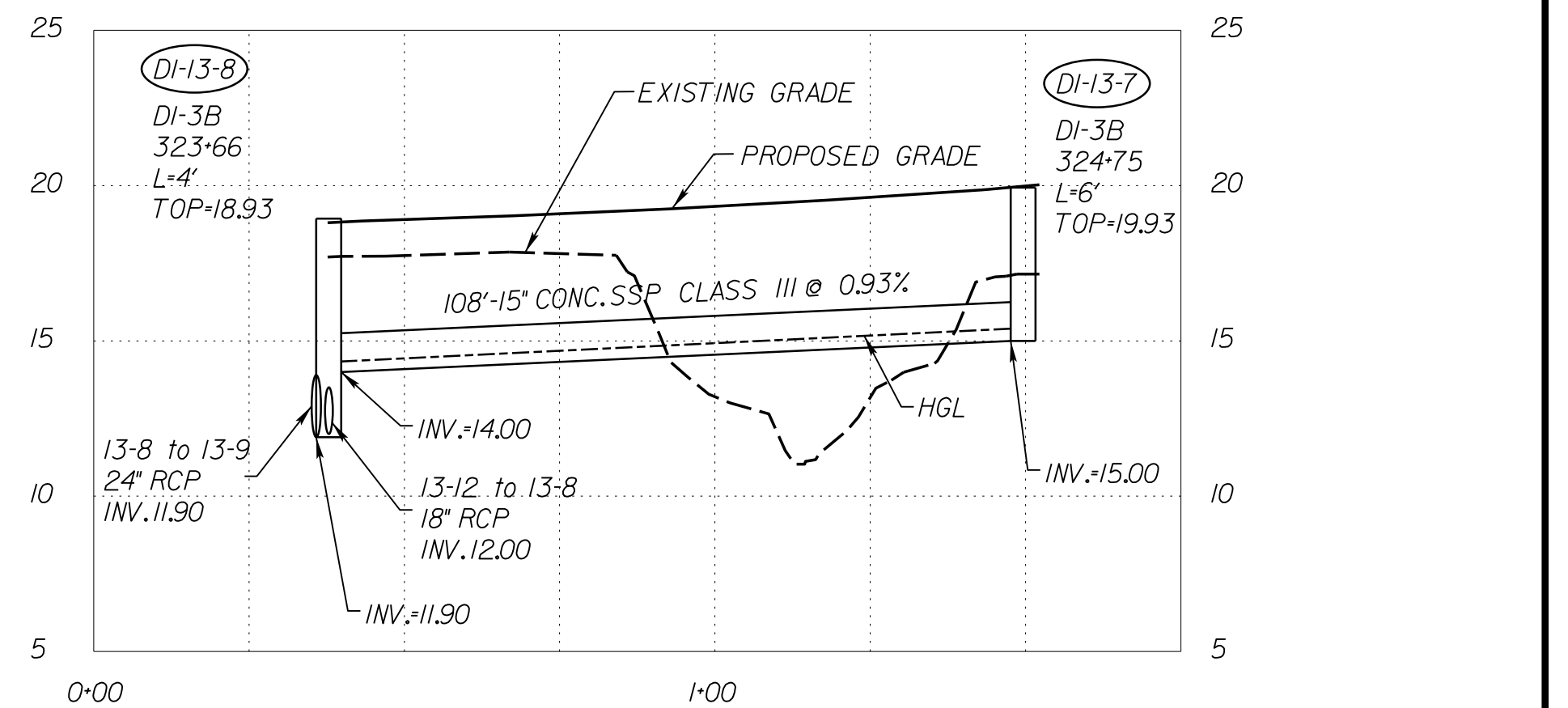
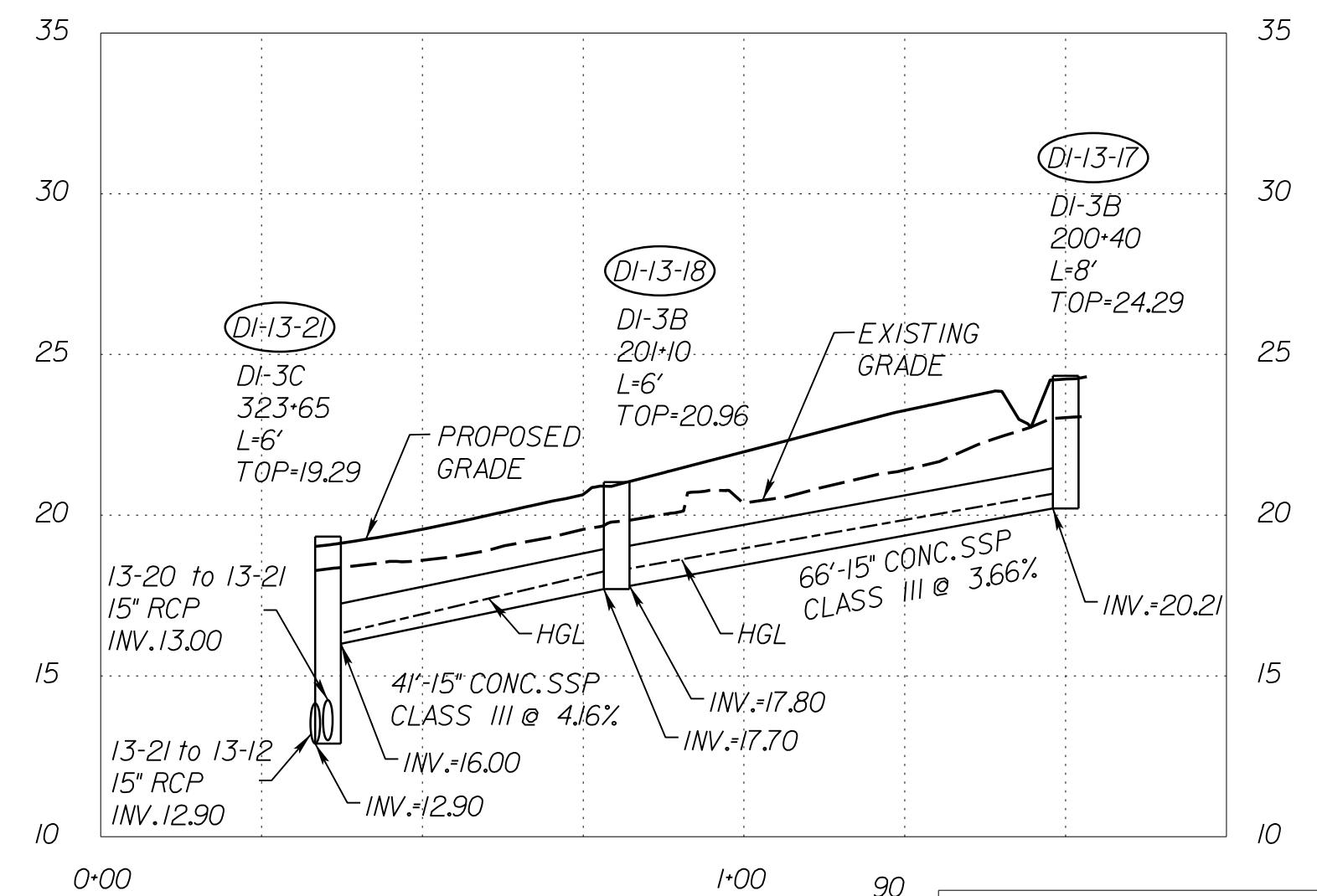
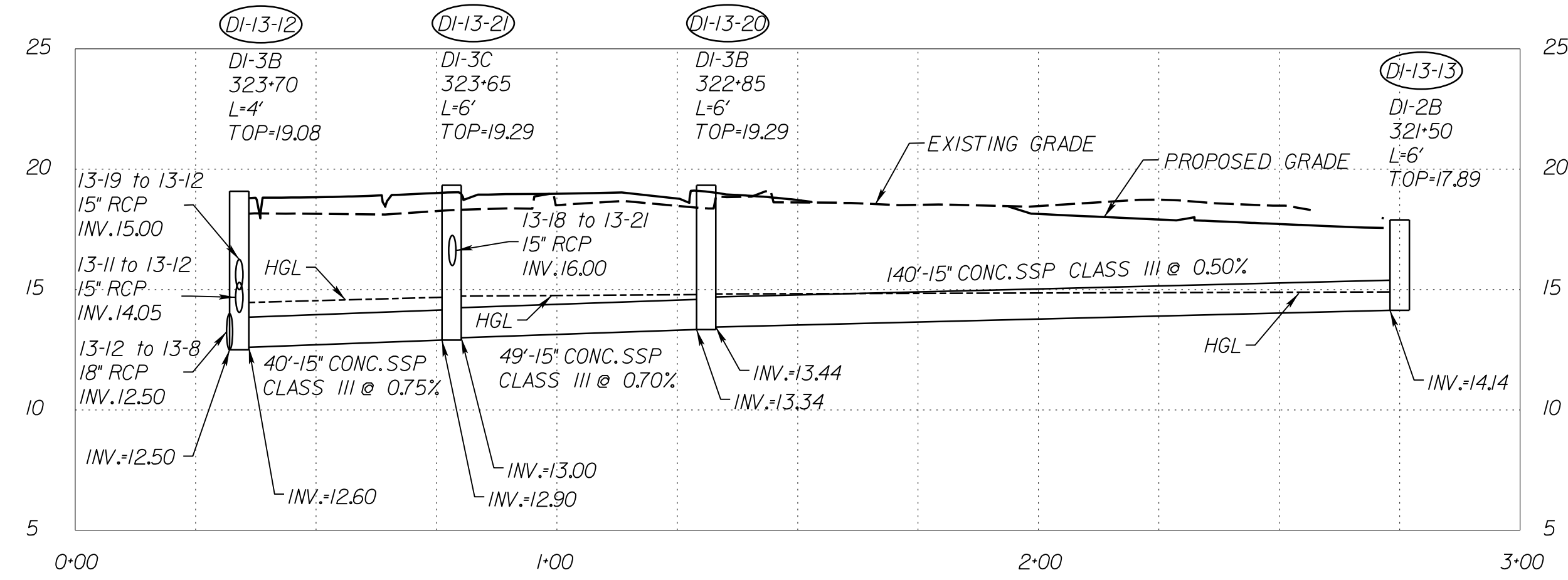
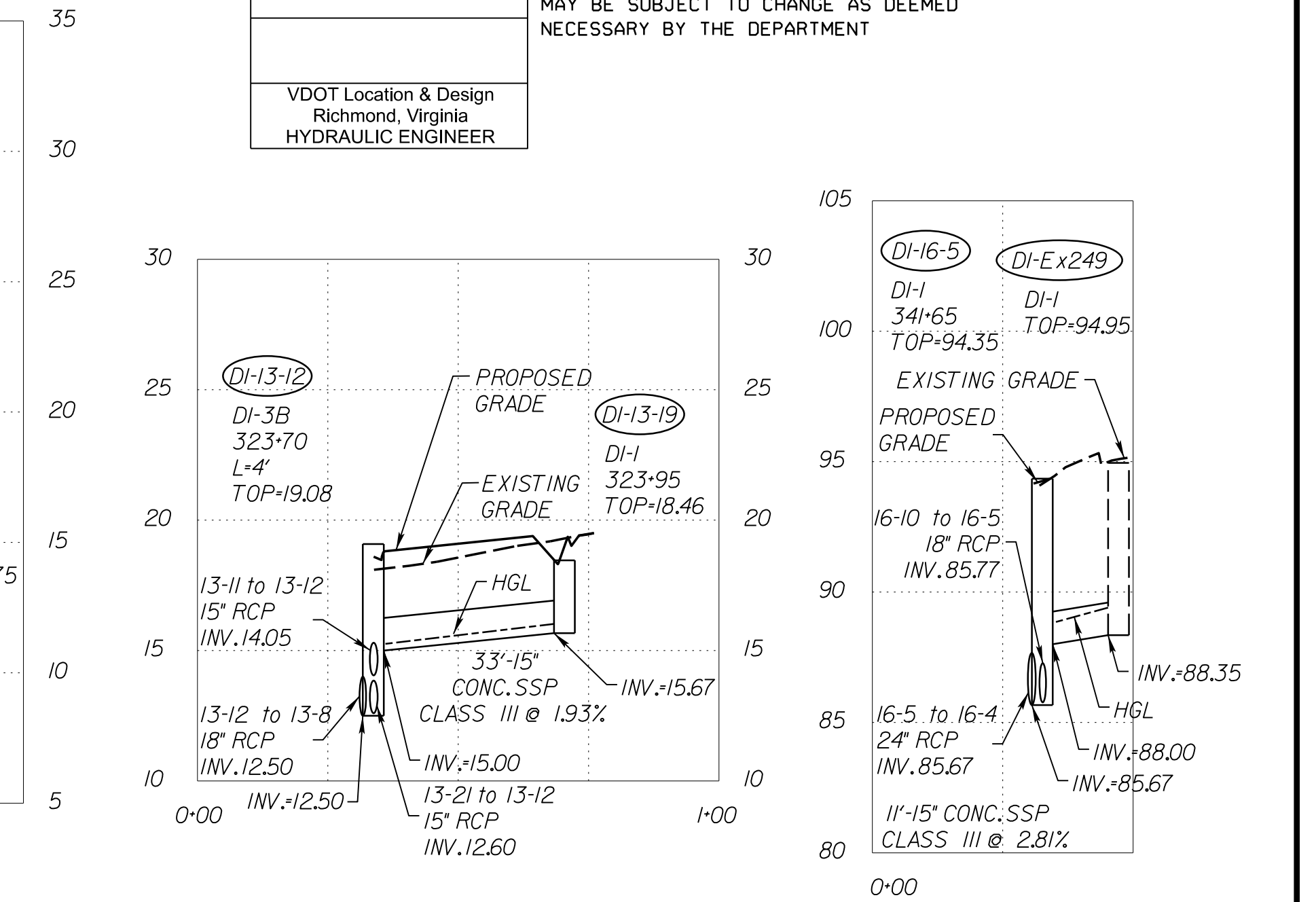
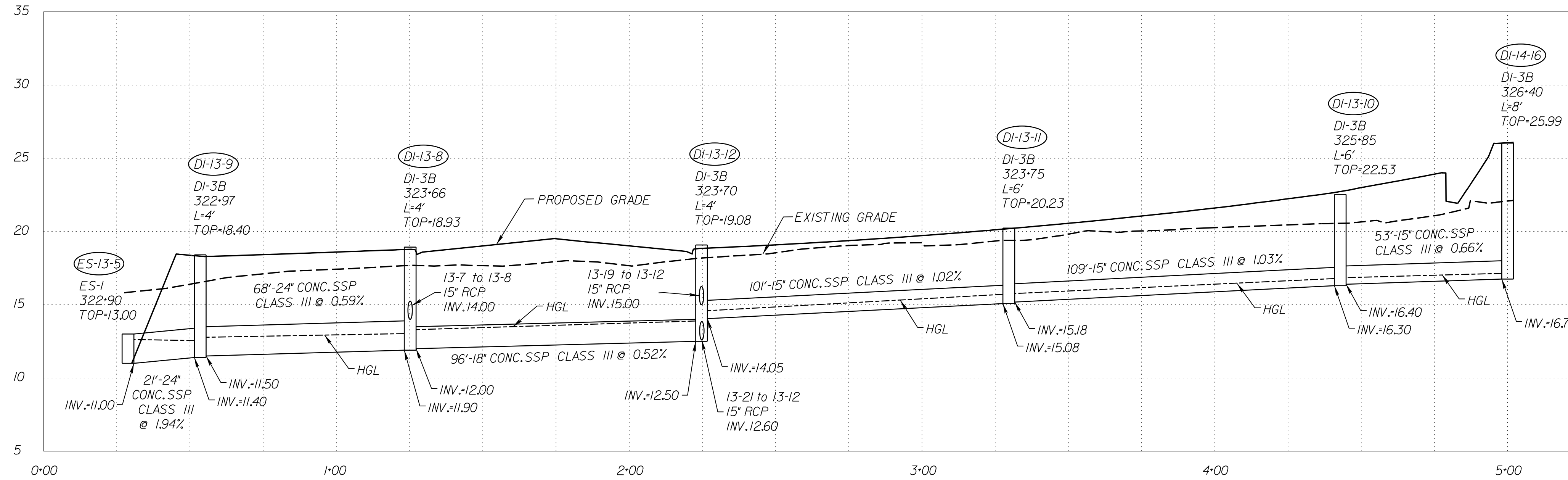
PROJECT MANAGER: Suste, Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, Engineering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(12)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



VERTICAL SCALE 1"=5'

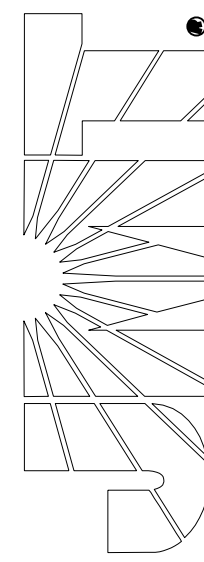


PROJECT: 0001-212-249  
SHEET NO.: 20(12)

R/W PLANS

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JOHNSON, WILKINSON & THOMPSON  
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Richmond, Virginia 23236  
Phone: (804) 323-9900

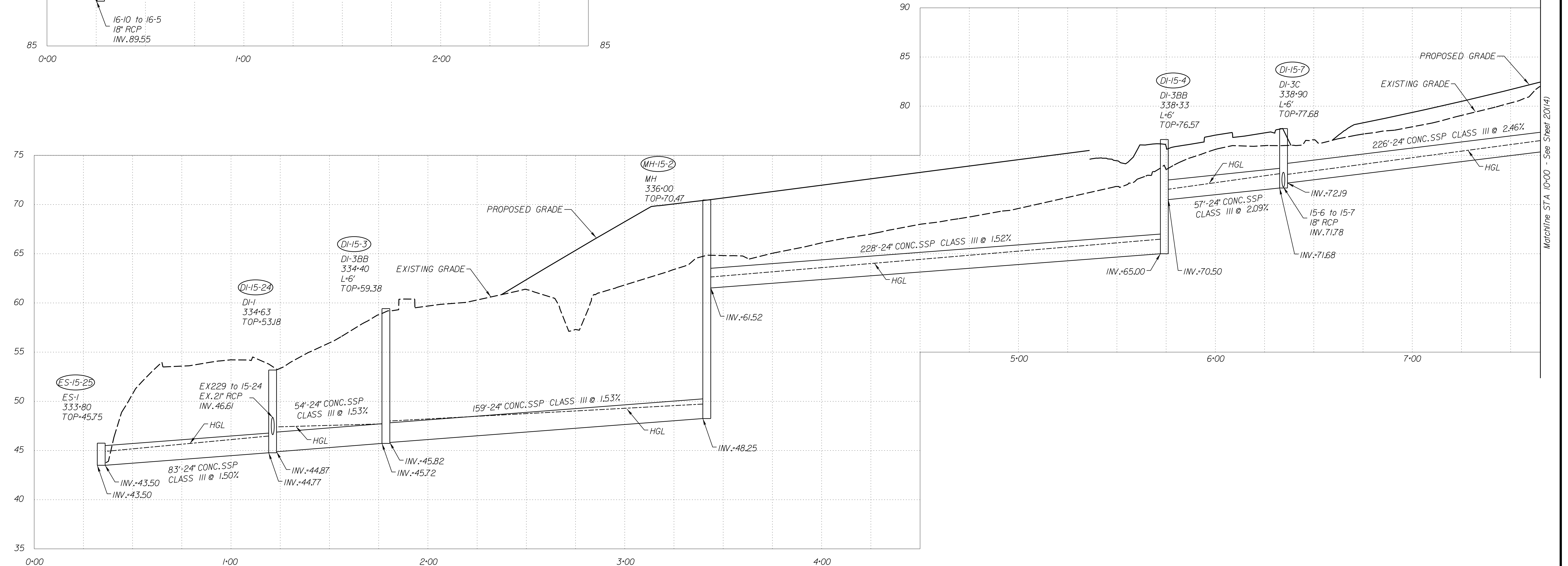
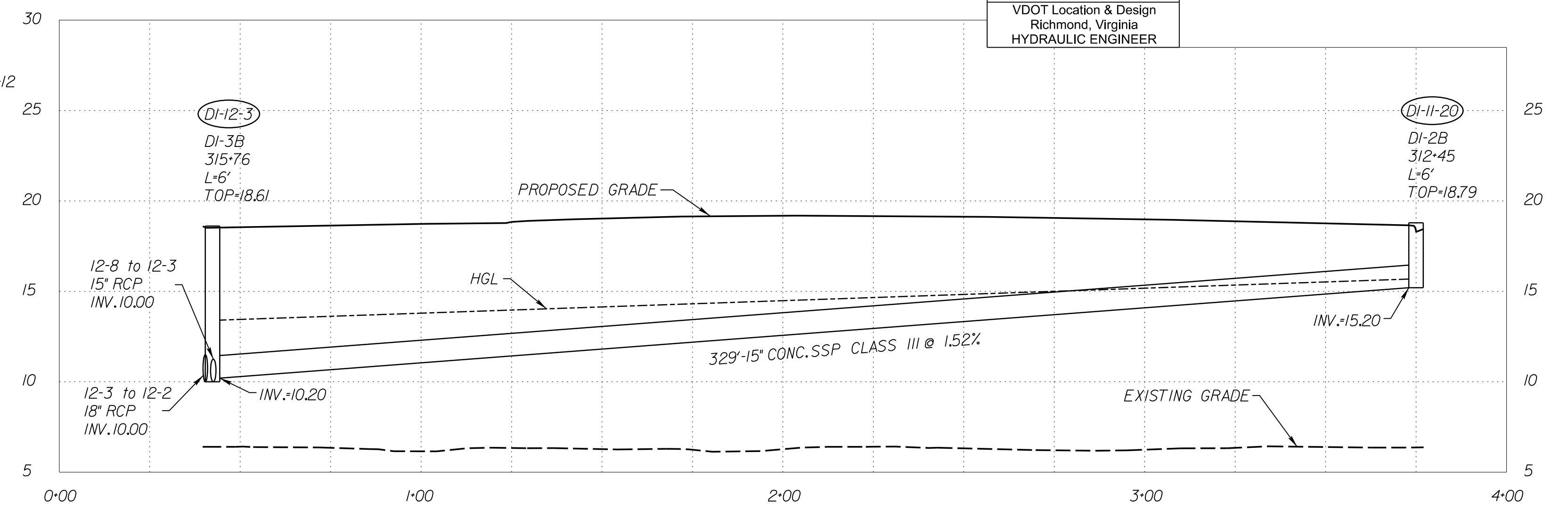
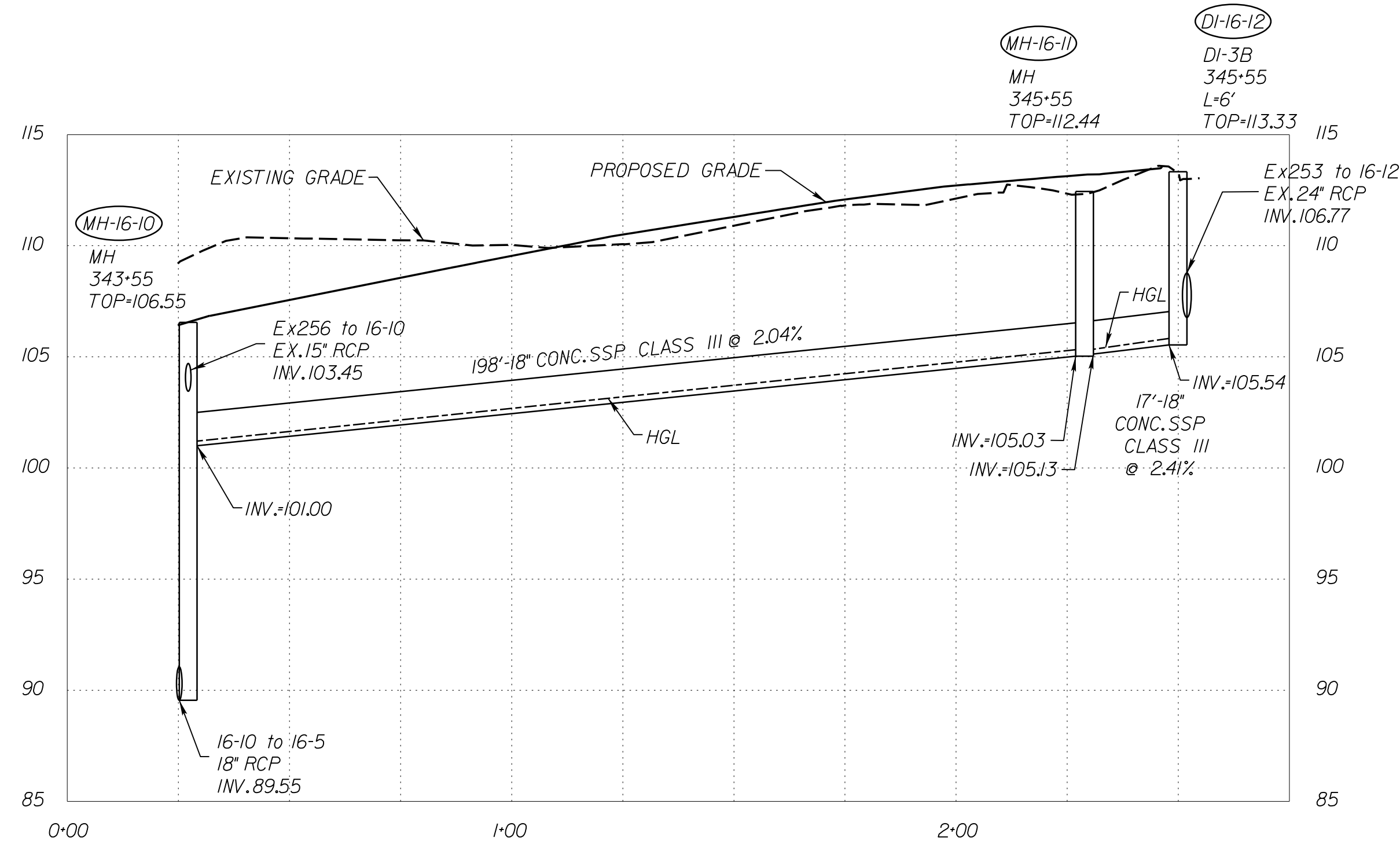


JOHNSON WILKINSON & TINSLEY  
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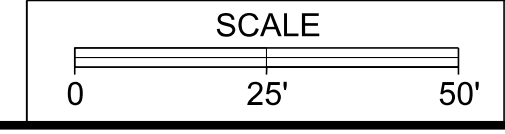
PROJECT MANAGER: Suste, Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13  
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SUBSURFACE UTILITY BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	1		0001-212-249, PE-101	20(13)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
VDOT Location & Design Richmond, Virginia HYDRAULIC ENGINEER					



VERTICAL SCALE 1"=5'



PROJECT	SHEET NO.
0001-212-249	20(13)

R/W PLANS

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



JOHNSON WILKINSON & THOMPSON  
9201 Ardenwood Parkway  
Suite 510  
Richmond, Virginia 23236  
Phone: (804) 323-9900

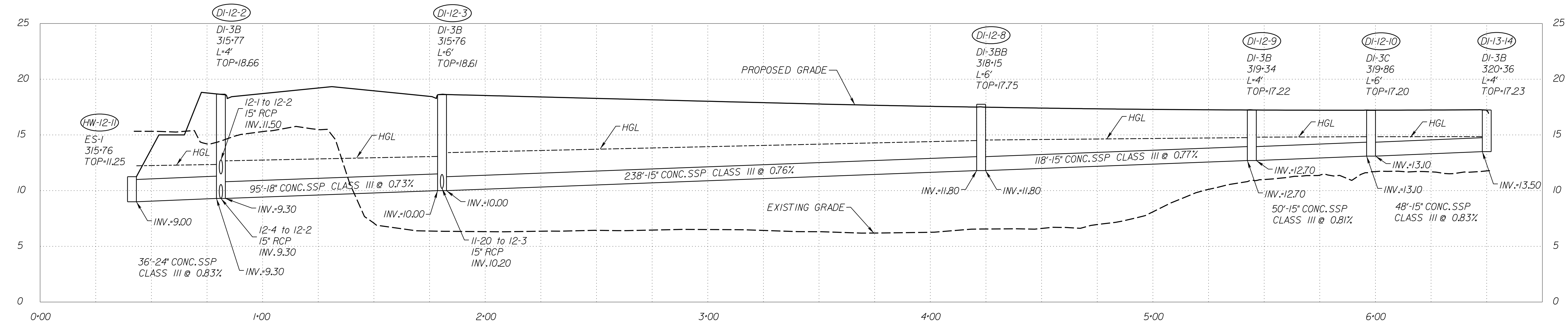
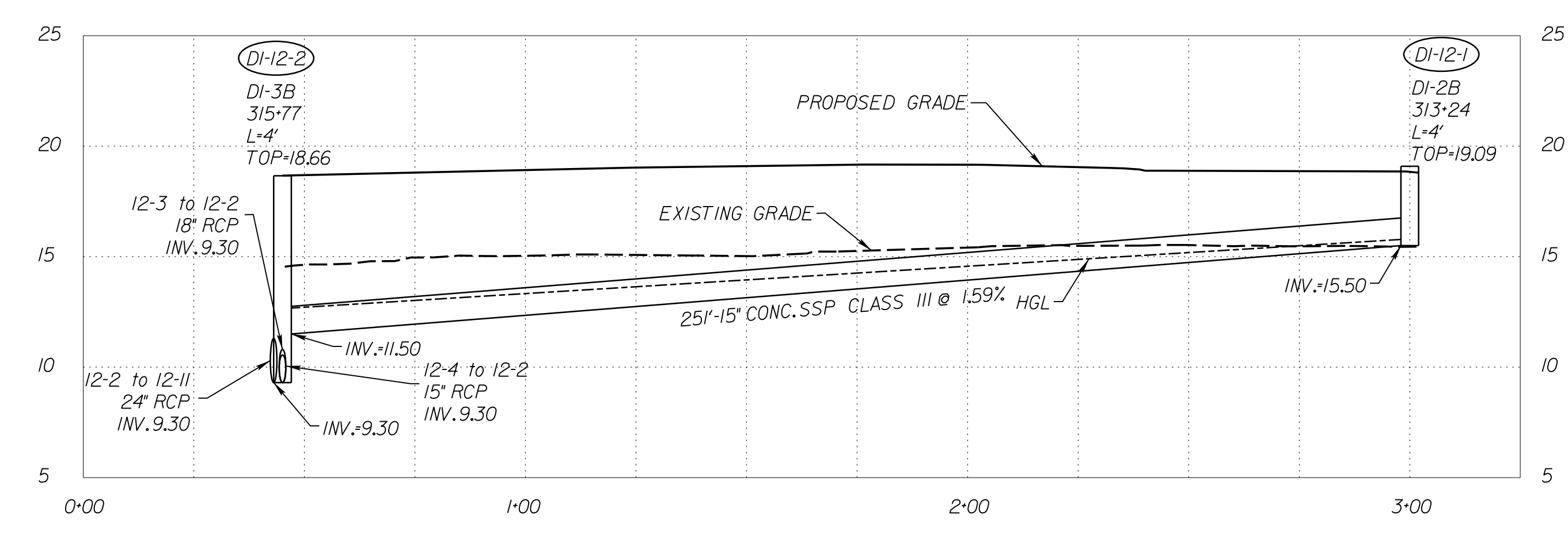
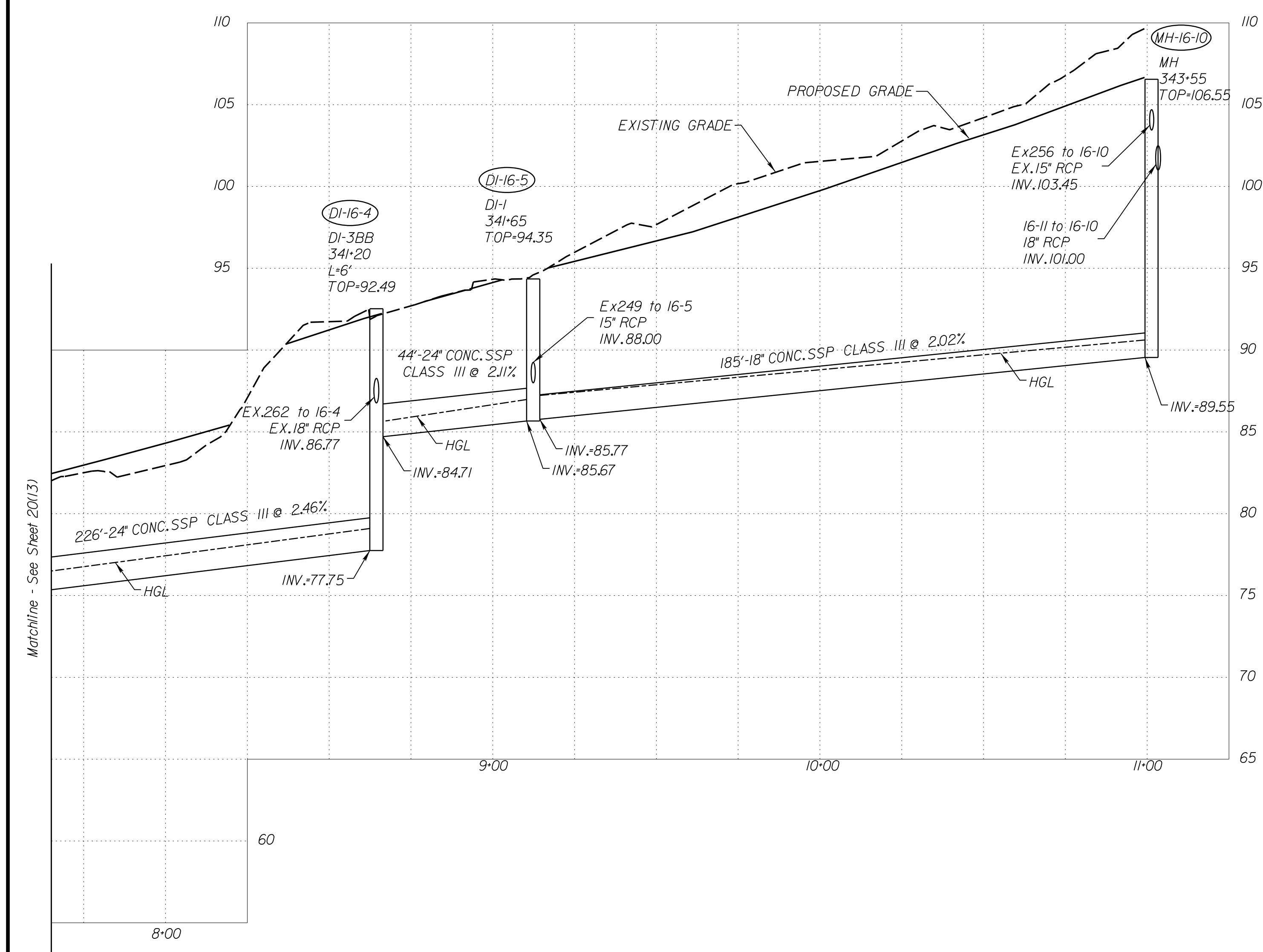
PROJECT MANAGER: Susie Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, E. Engleering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

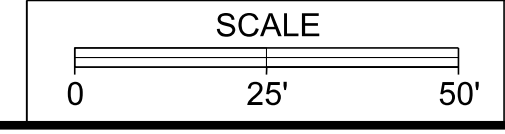
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(14)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



VERTICAL SCALE 1"=5'



PROJECT	SHEET NO.
0001-212-249	20(14)

R/W PLANS

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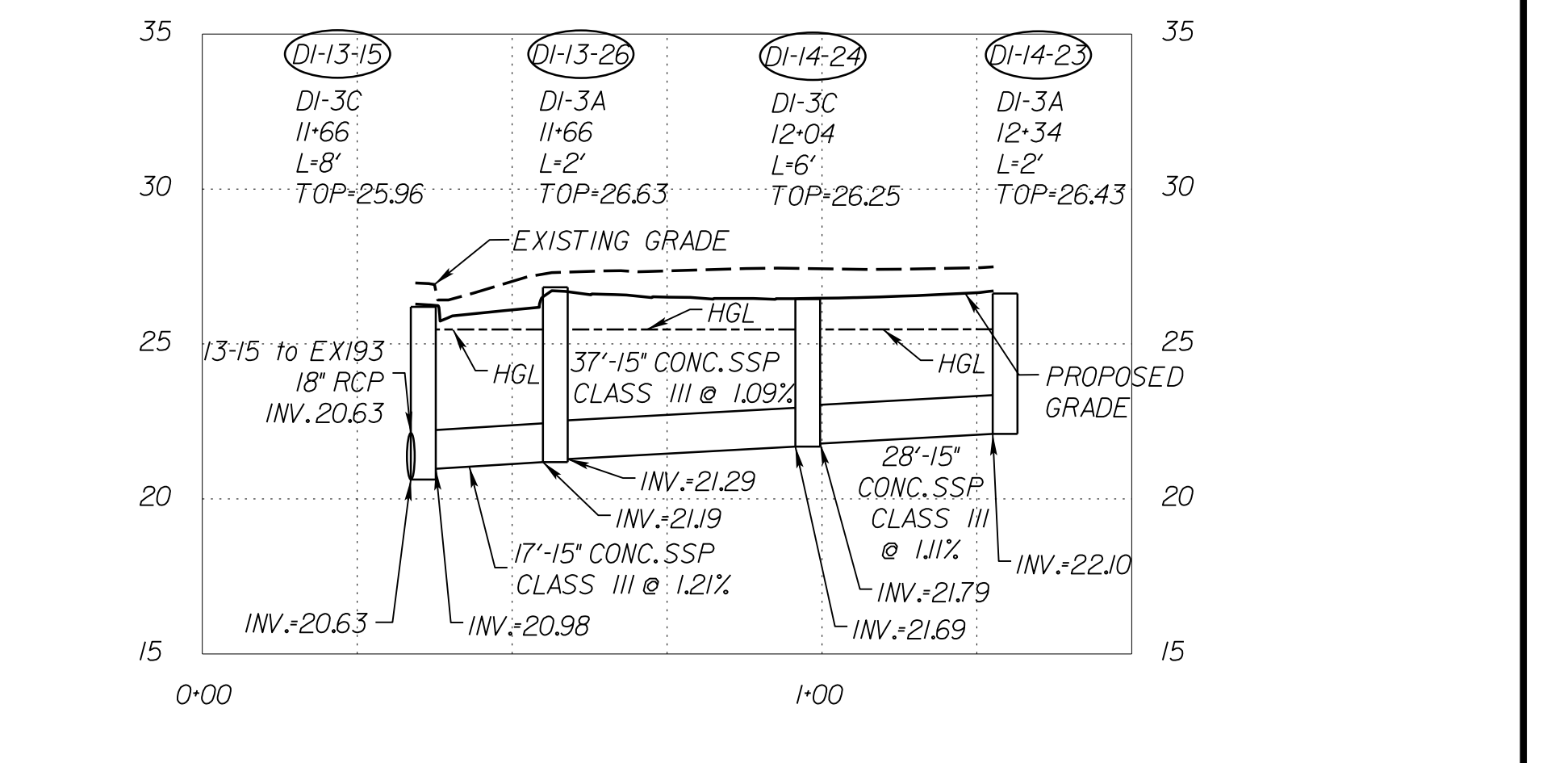
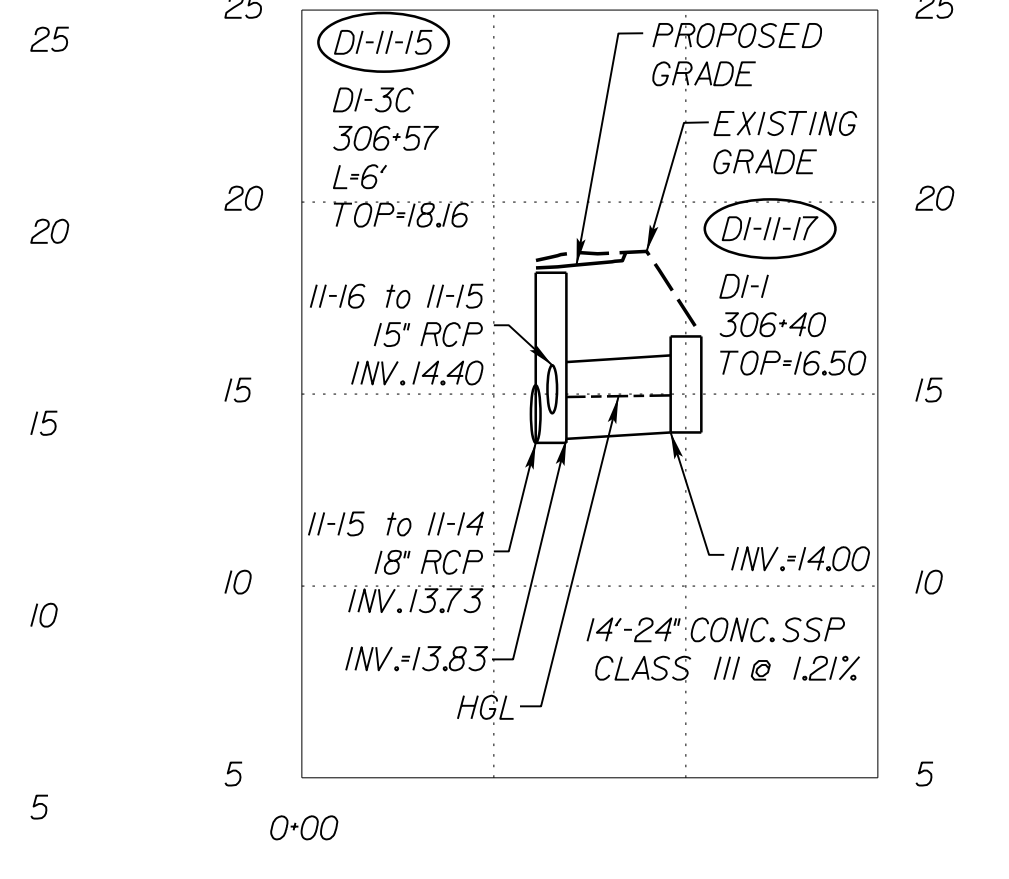
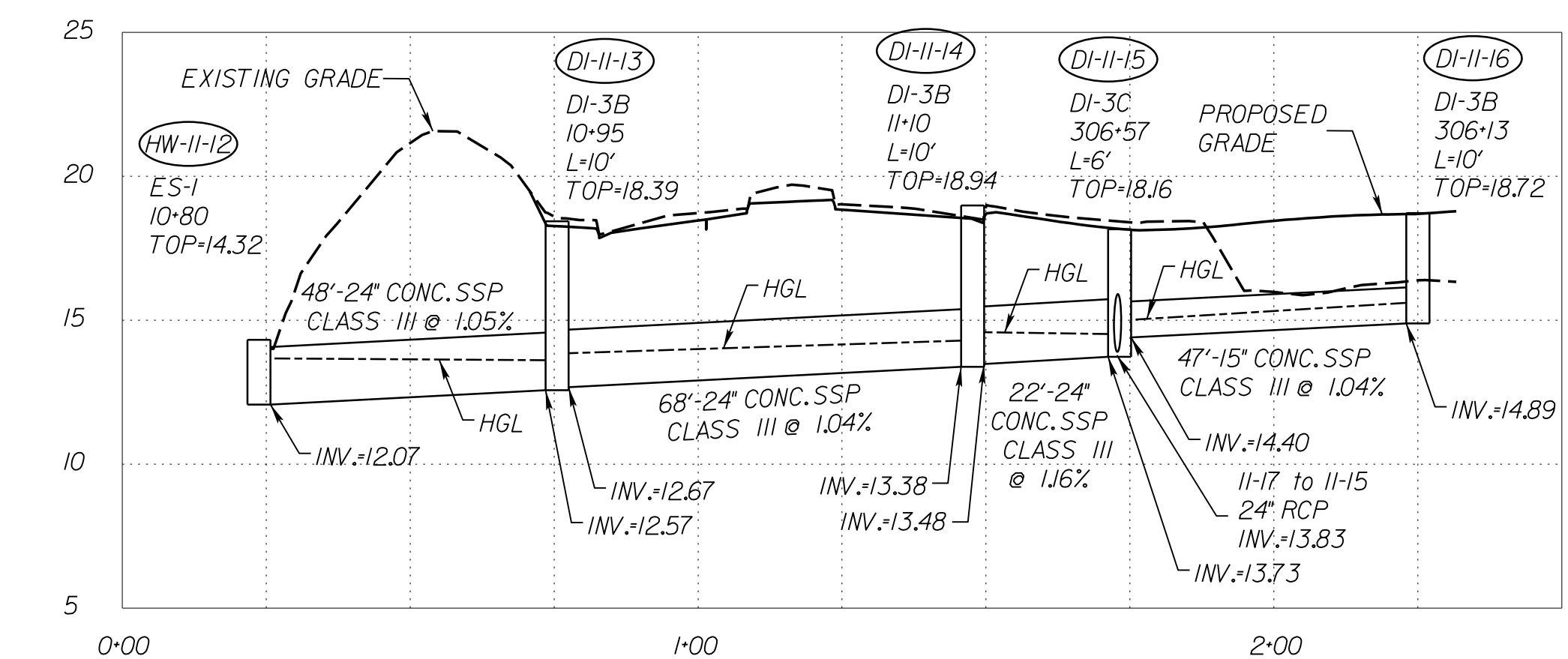
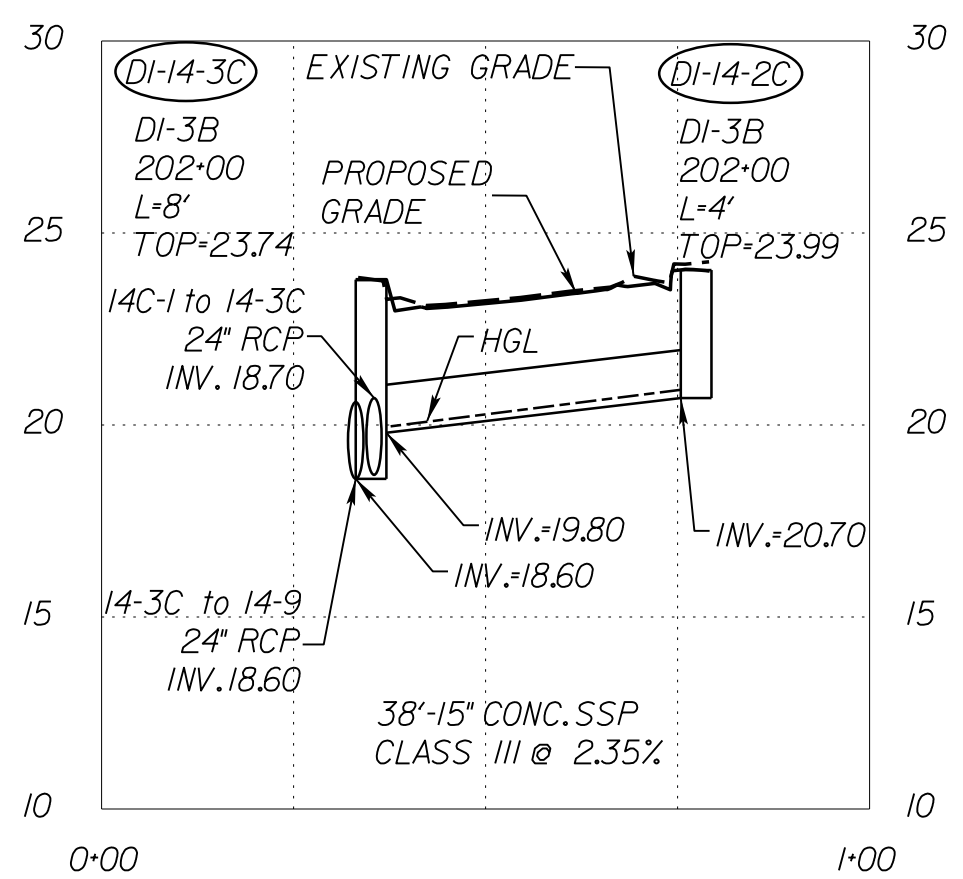
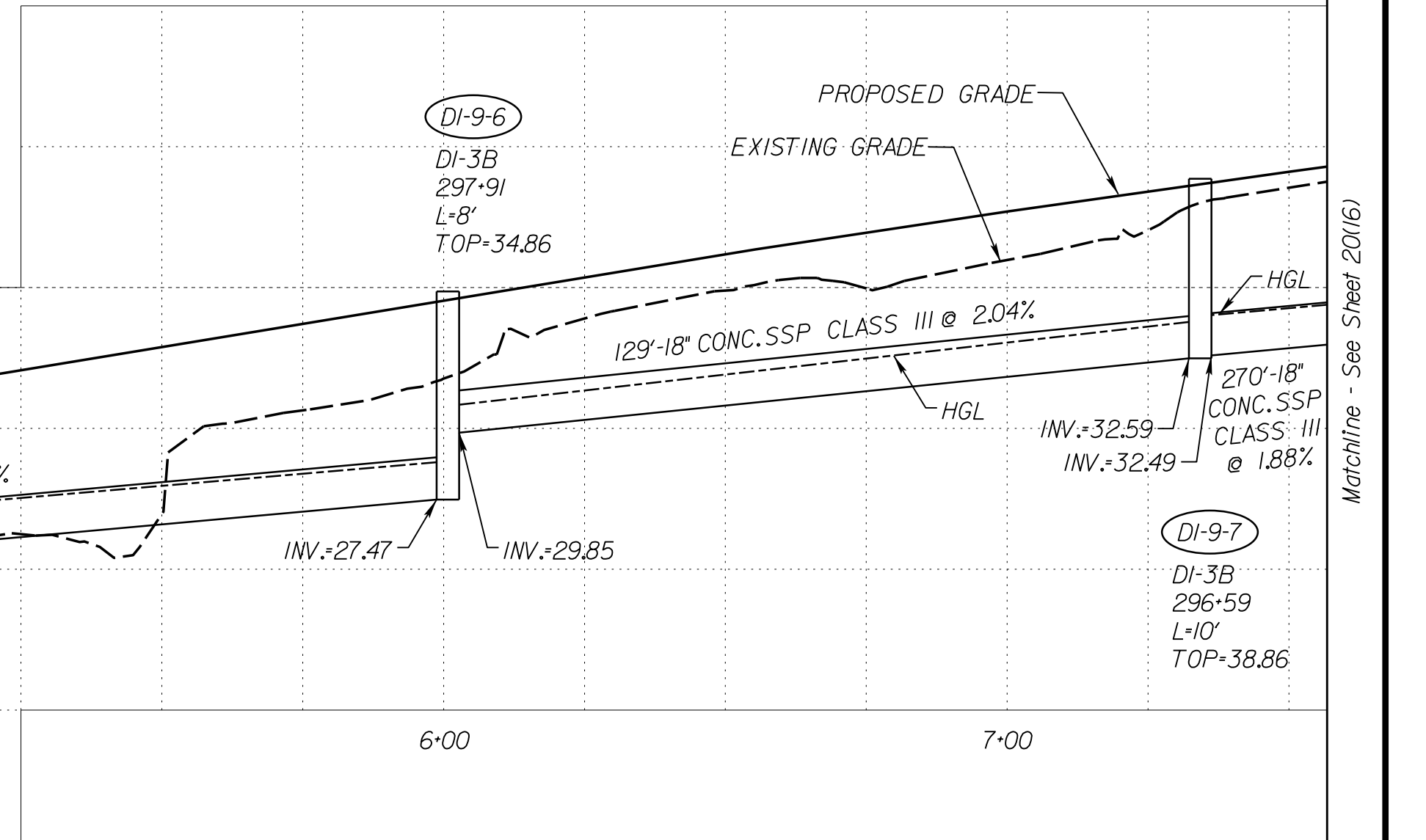
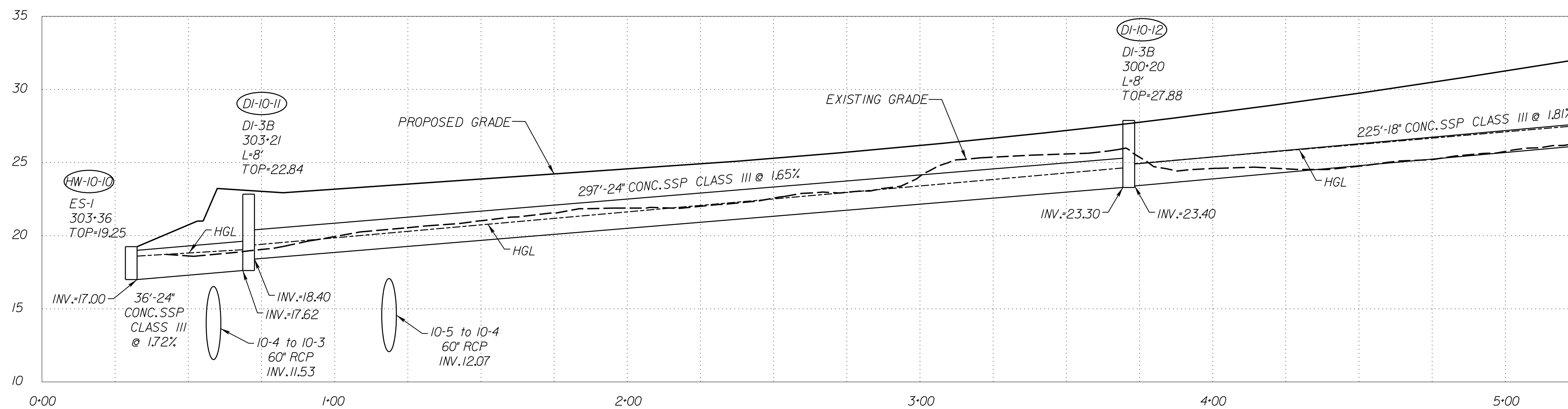
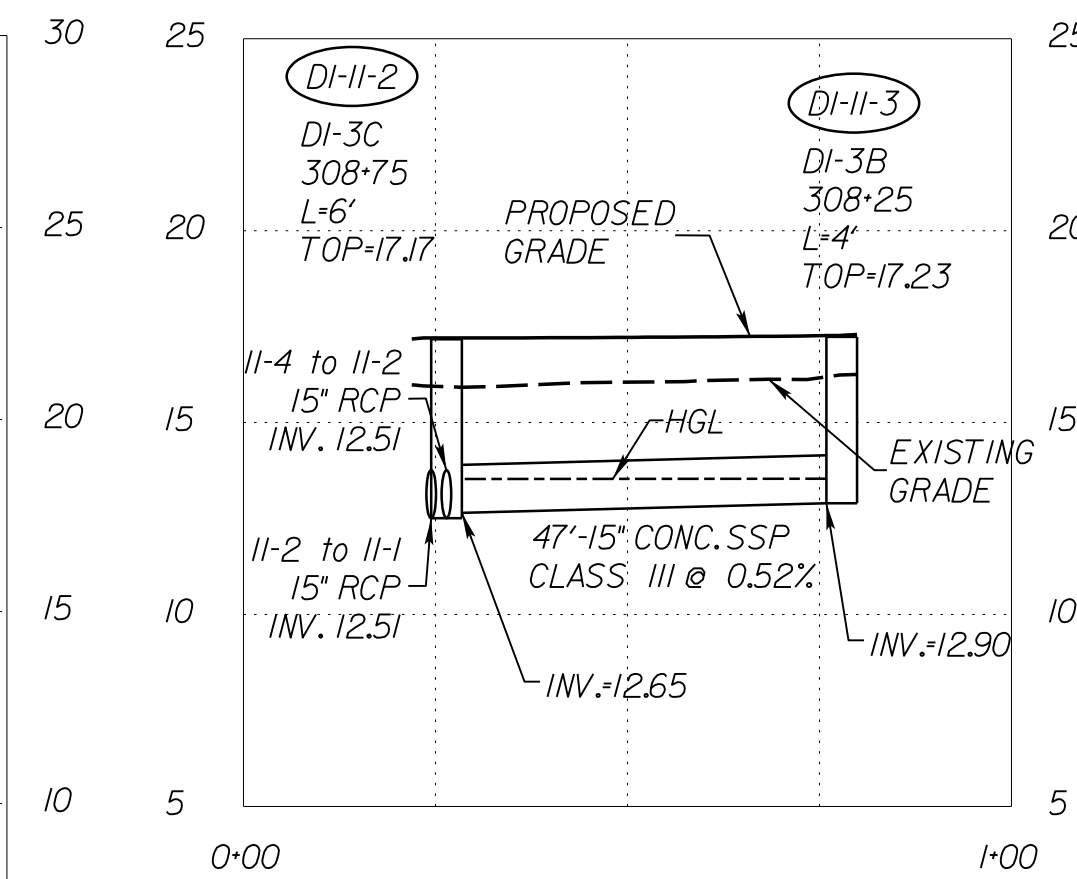
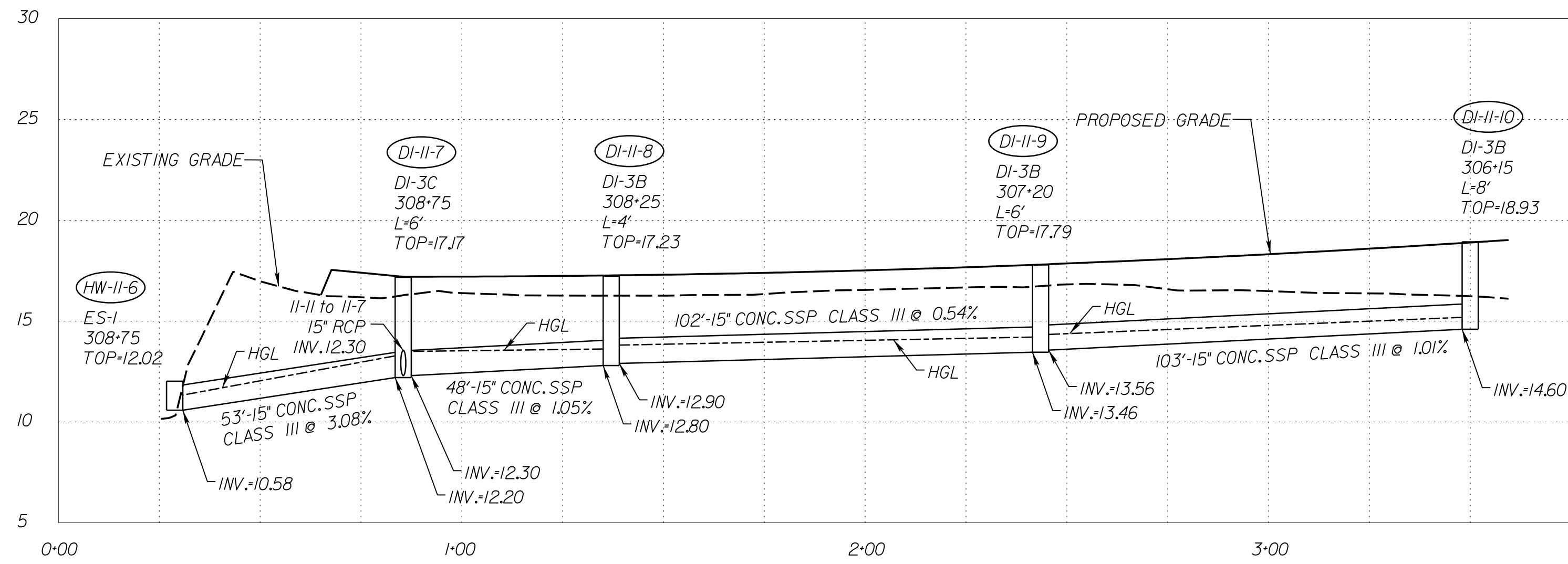
PROJECT MANAGER: Susie Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, Engineering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(15)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



VERTICAL SCALE 1"=5'

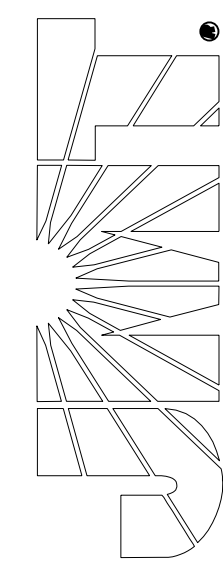


PROJECT	SHEET NO.
0001-212-249	20(15)

R/W PLANS

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JOHNSON, WILKINSON & THOMPSON  
9201 Ardenwood Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



Matchline - See Sheet 20(16)

JOHNSON, WILKINSON & THOMPSON  
9201 Ardenwood Parkway  
Suite 510  
Richmond, Virginia 23236  
Phone: (804) 323-9900

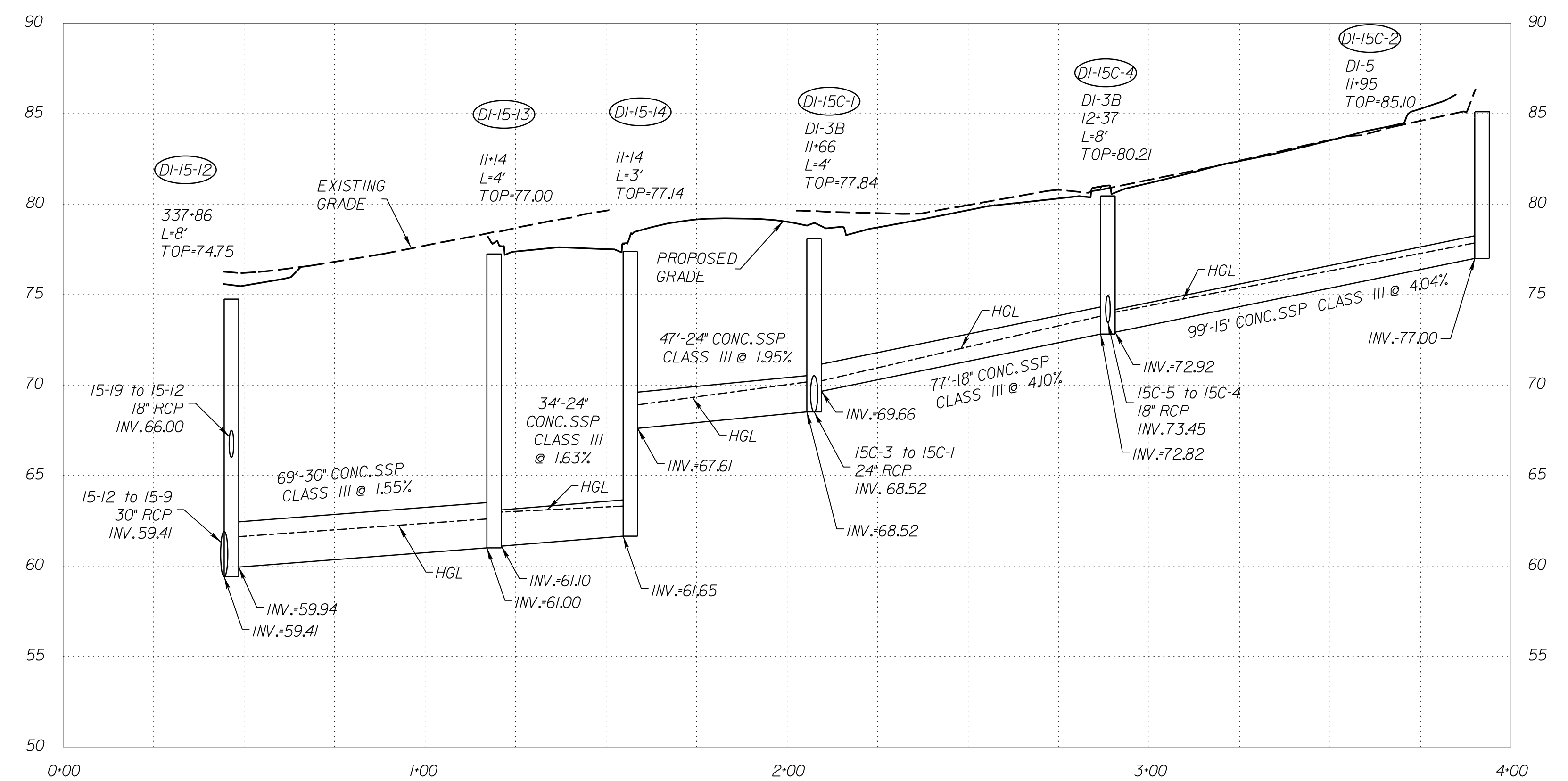
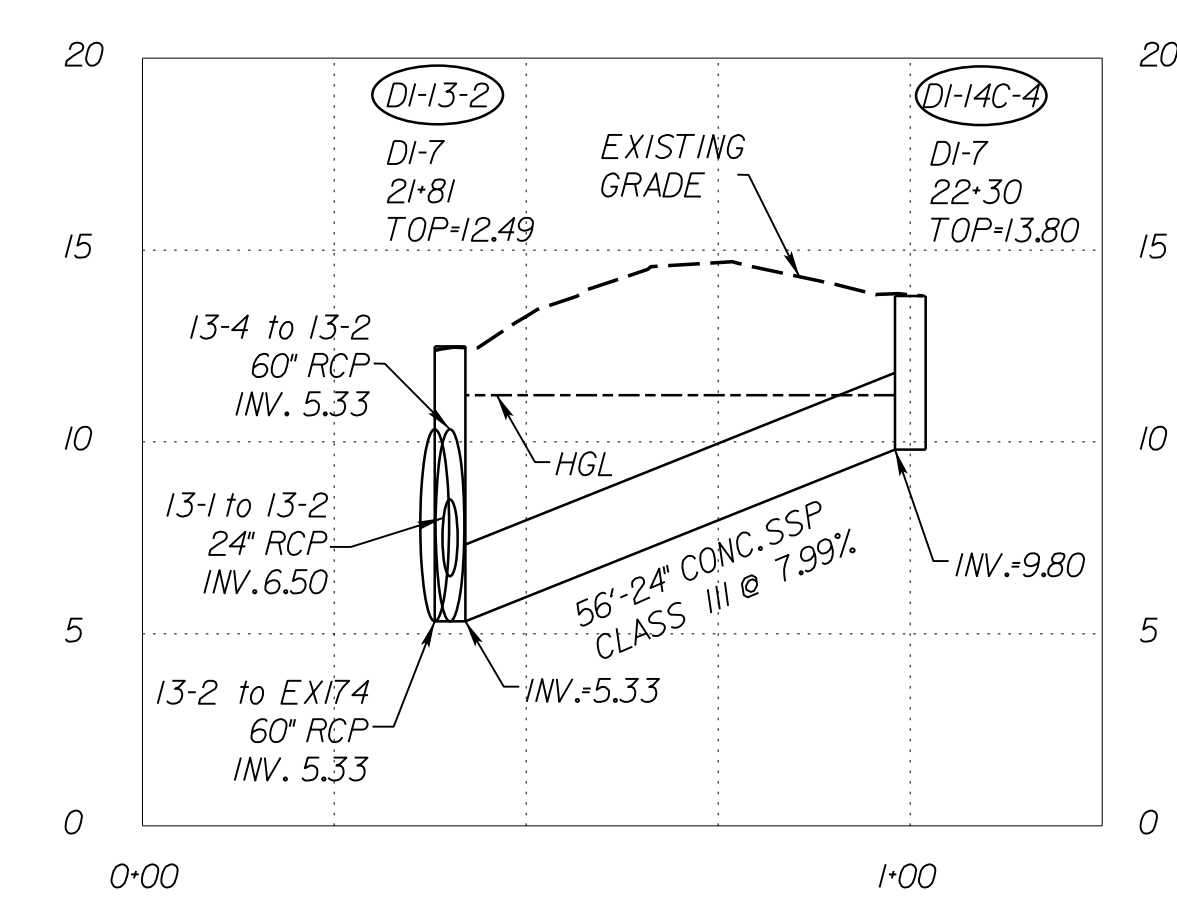
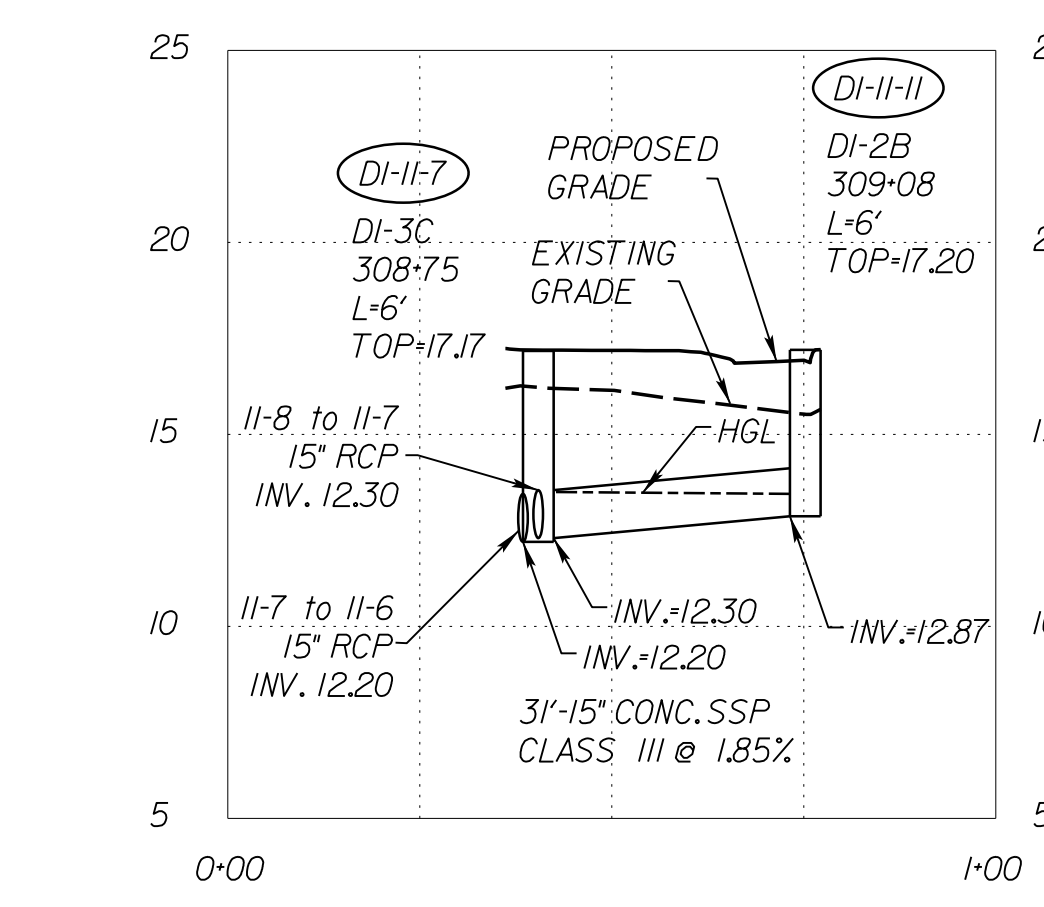
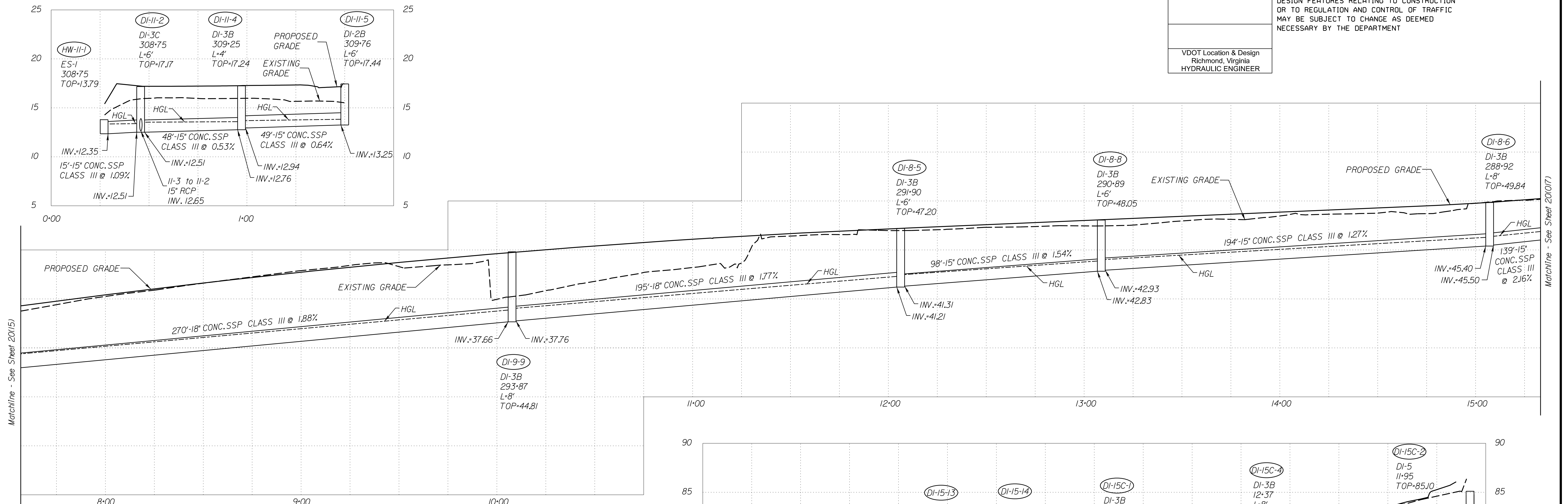
PROJECT MANAGER: Suste, Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, E. Engleering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(16)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



VERTICAL SCALE 1"=5'	SCALE 0 25' 50'	PROJECT 0001-212-249	SHEET NO. 20(16)
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R/W PLANS THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



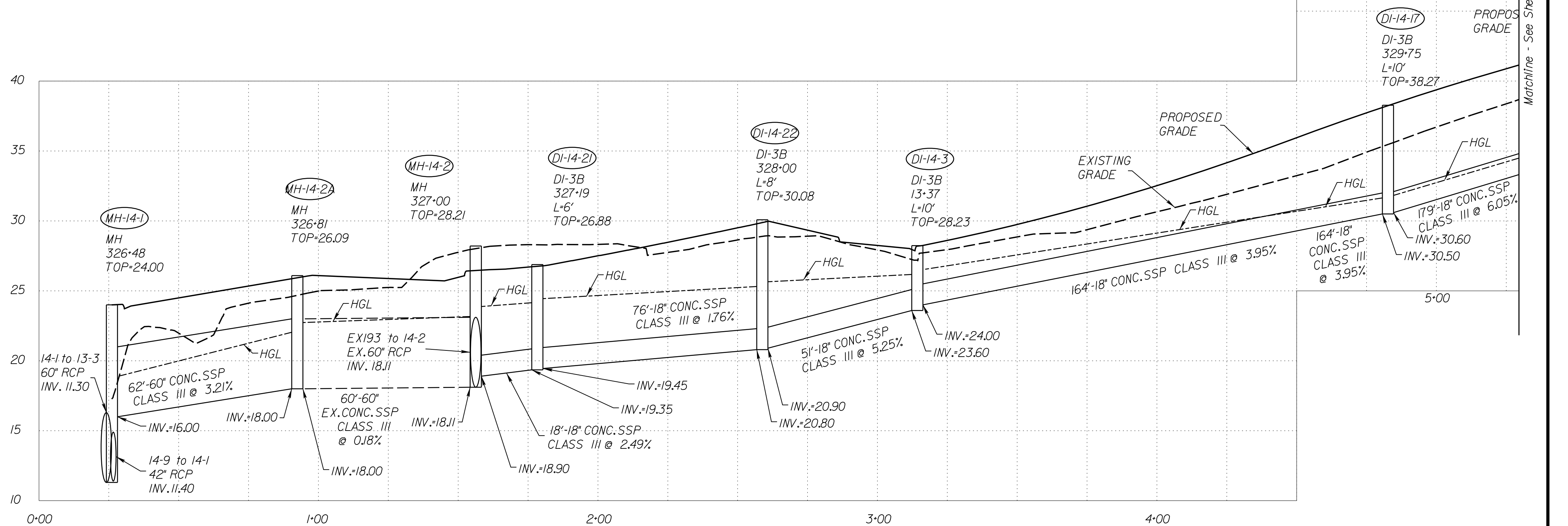
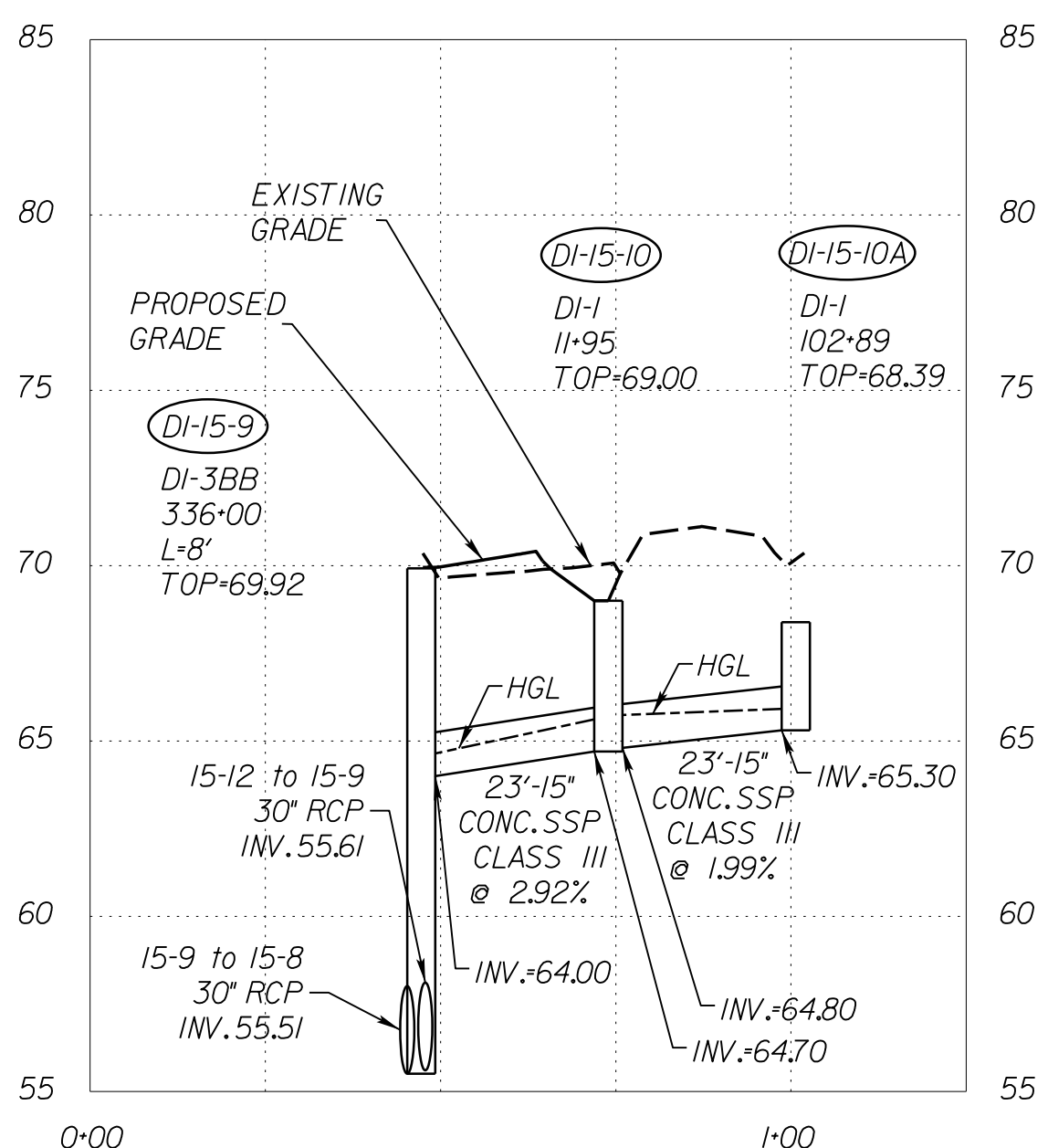
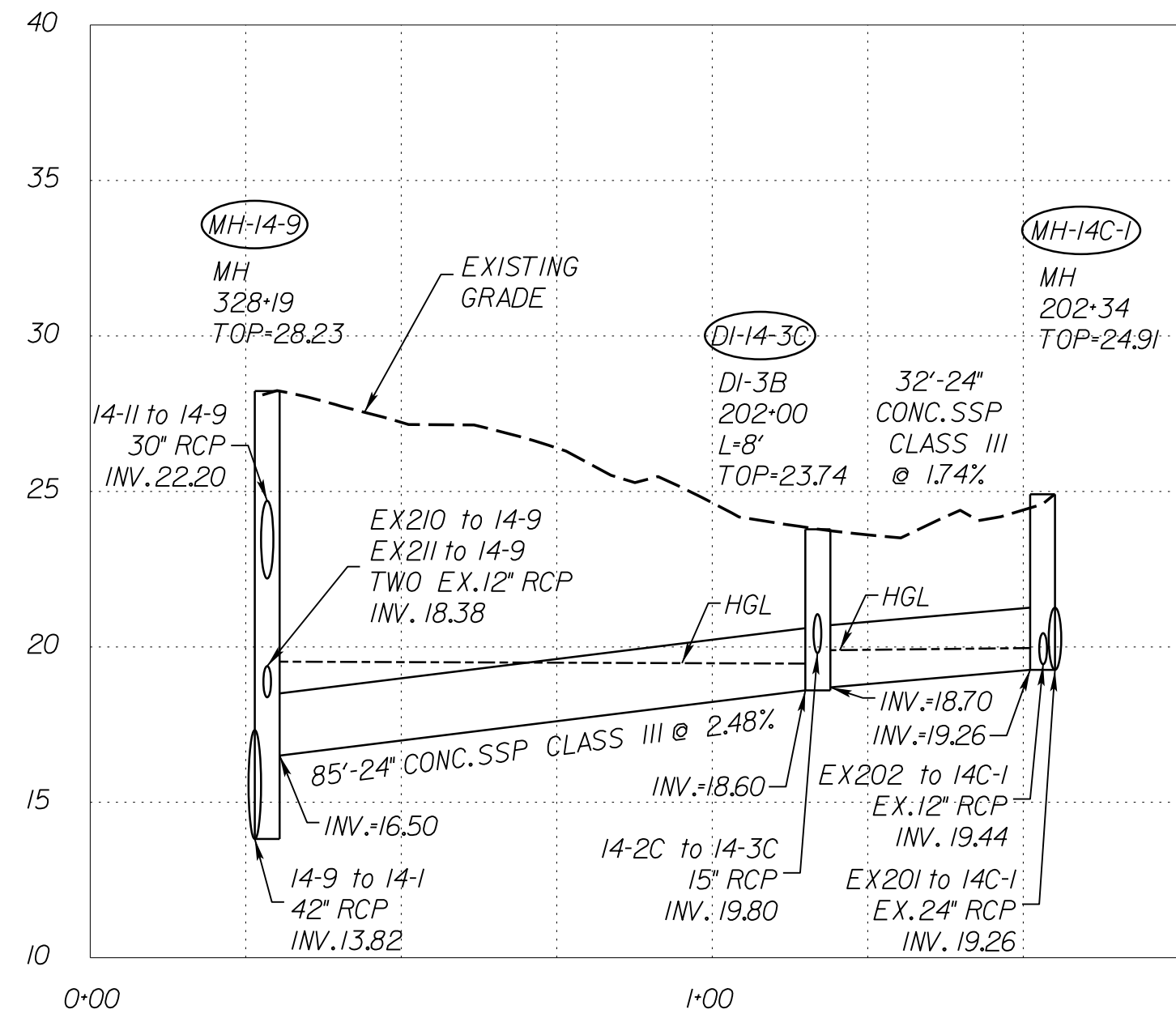
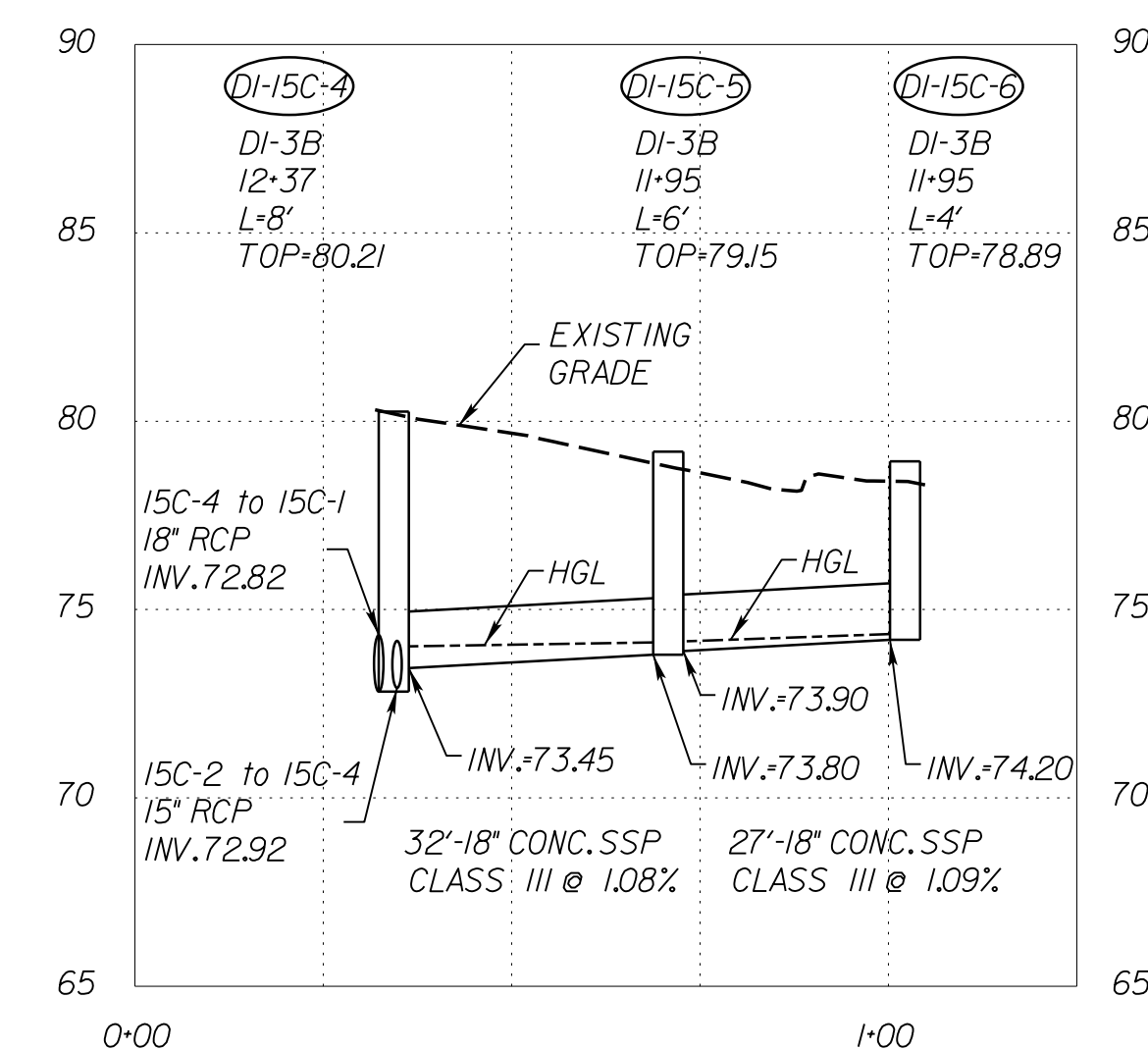
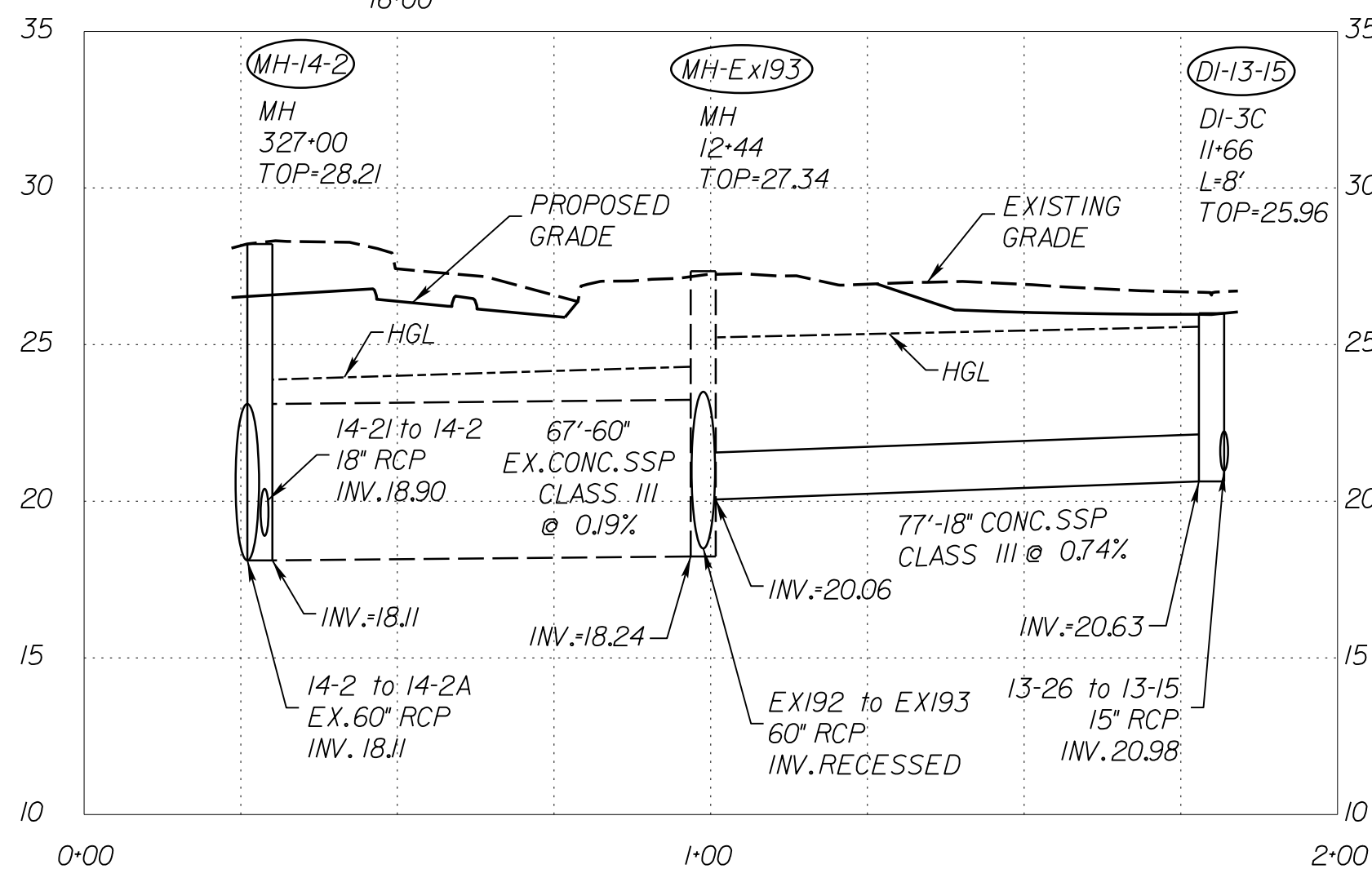
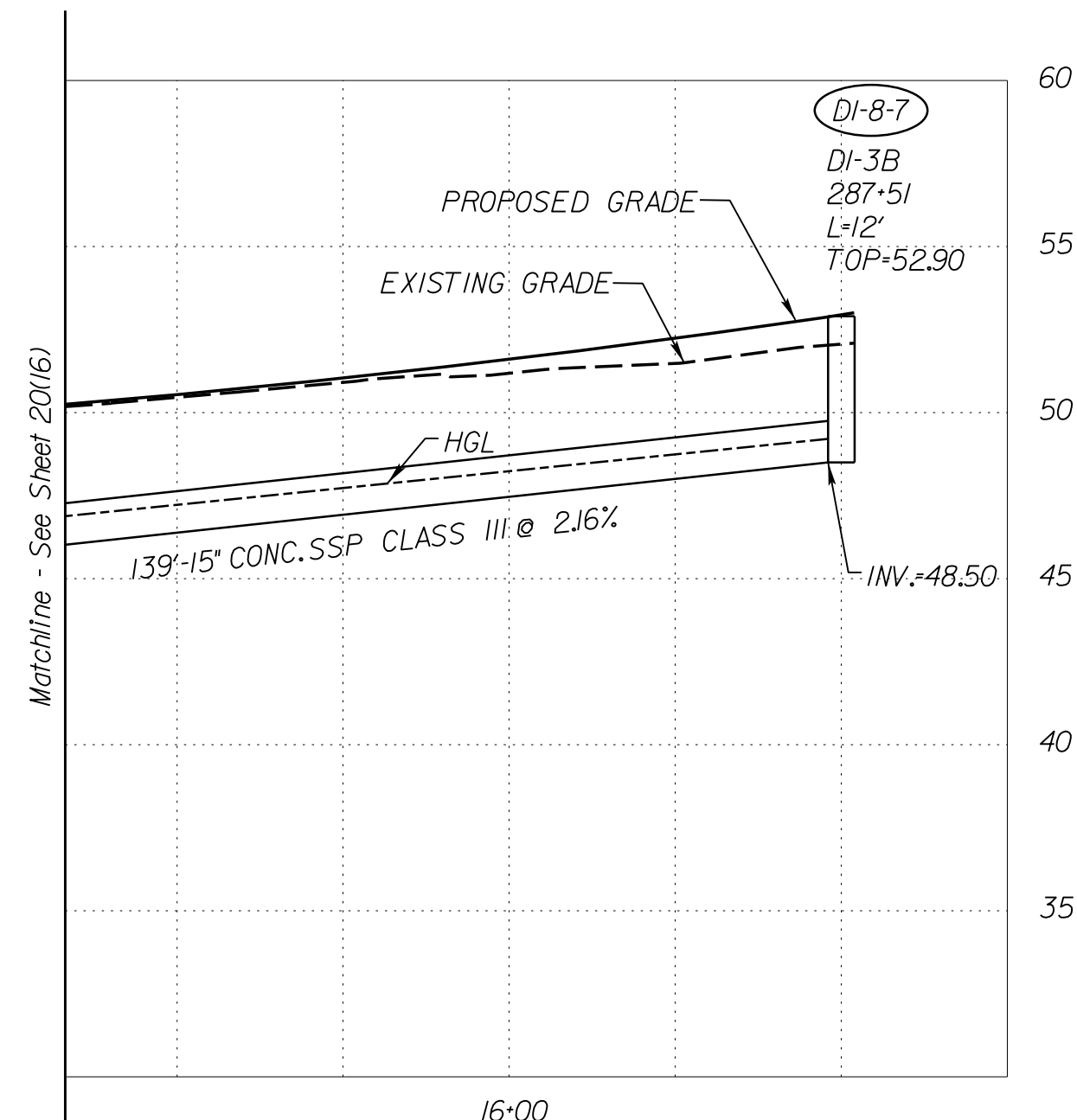
PROJECT MANAGER: Suste, Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, E. Engleering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(17)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



VERTICAL SCALE 1"=5'



PROJECT	SHEET NO.
0001-212-249	20(17)

R/W PLANS

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JOHNSON, WILKINSON & TENDON  
2901 Appomattox Parkway  
Suite 510  
Richmond, Virginia 23236  
Phone: (804) 323-9900

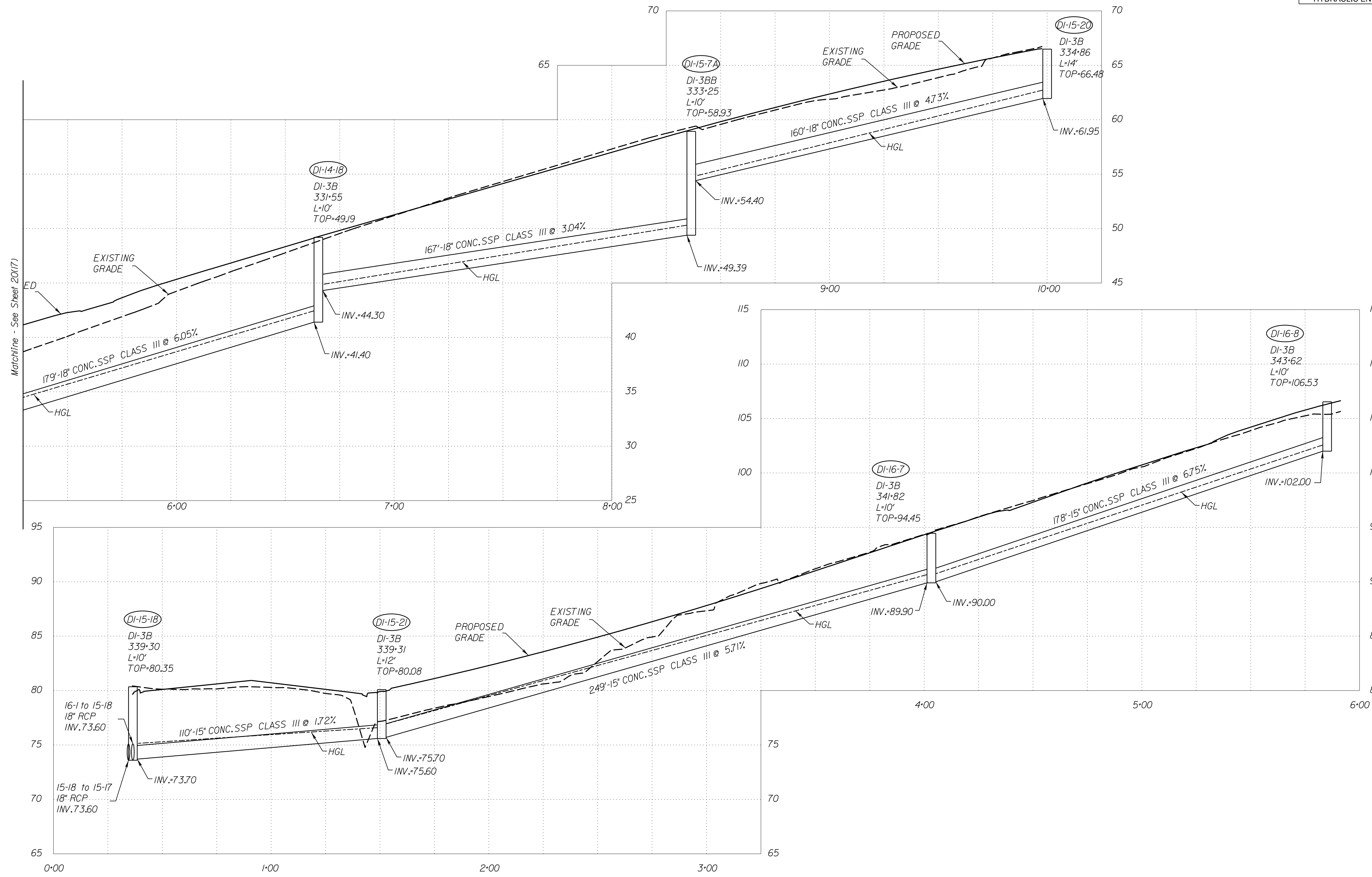
PROJECT MANAGER: Suste, Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon, E., Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, Engineering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon, E., Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(18)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER

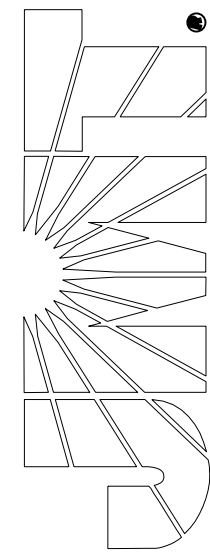


VERTICAL SCALE 1"=5'	SCALE 0 25' 50'	PROJECT 0001-212-249	SHEET NO. 20(18)
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R/W PLANS

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

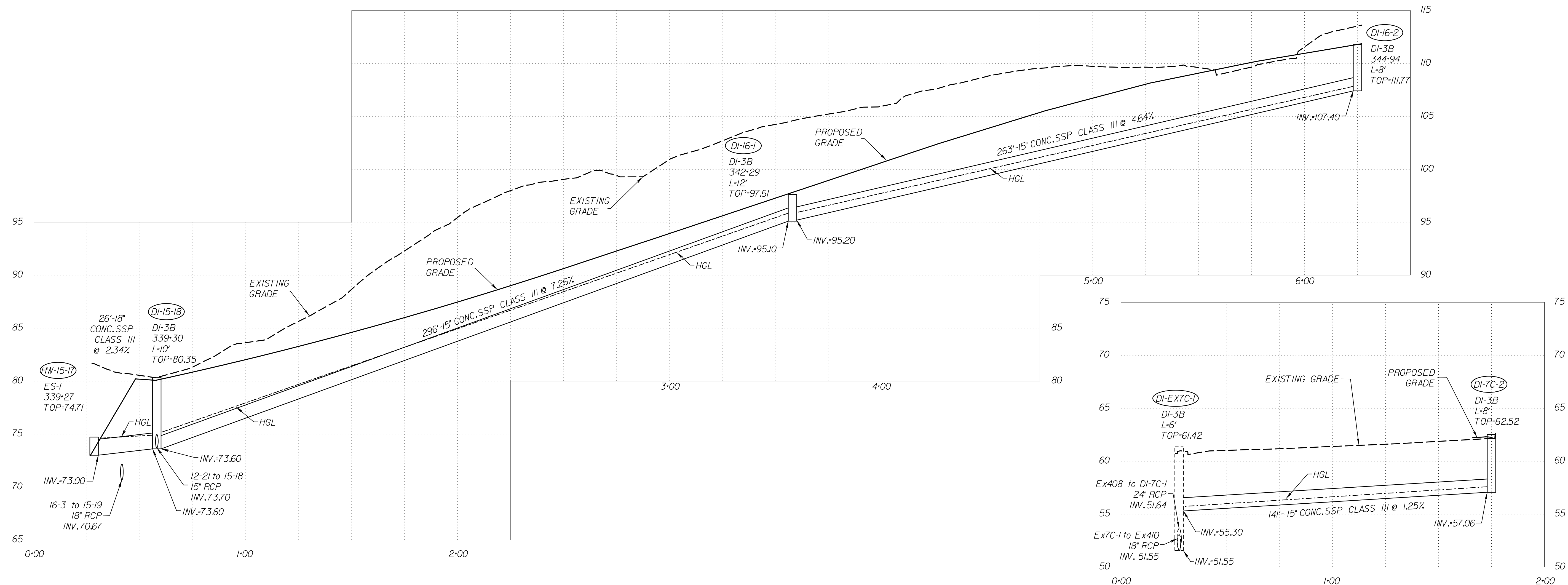
JOHNSON WILKINSON & TENDLERSON  
9201 Arpentum Parkway  
Suite 510  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER: Suste, Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, E. Engleering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(19)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT Location & Design Richmond, Virginia HYDRAULIC ENGINEER				



VERTICAL SCALE 1"=5'



PROJECT: 0001-212-249  
SHEET NO.: 20(19)

R/W PLANS

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JOHNSON WILKINSON & THOMPSON  
9201 Archedale Parkway  
Suite 510  
Richmond, Virginia 23236  
Phone: (804) 323-9900

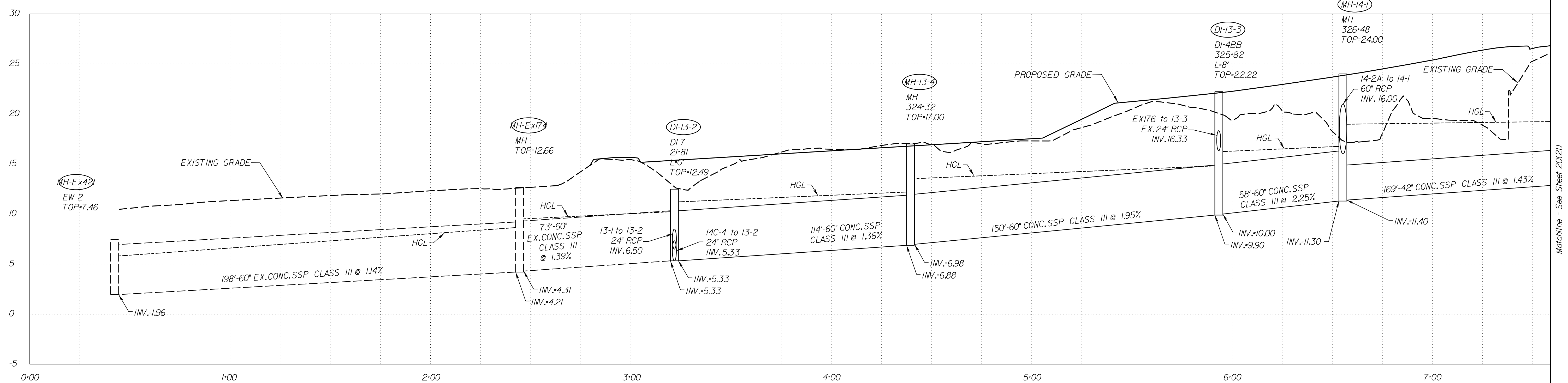
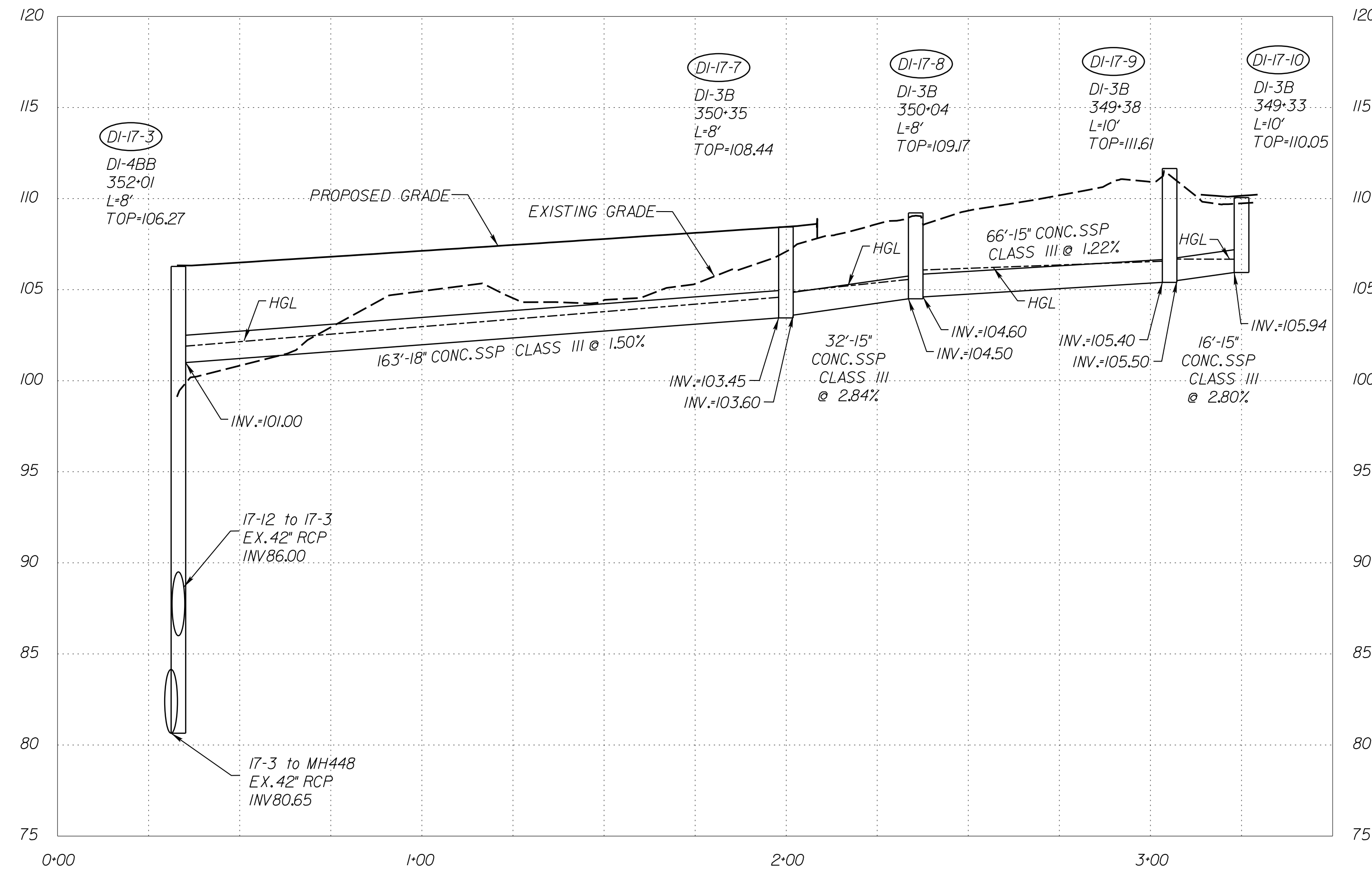
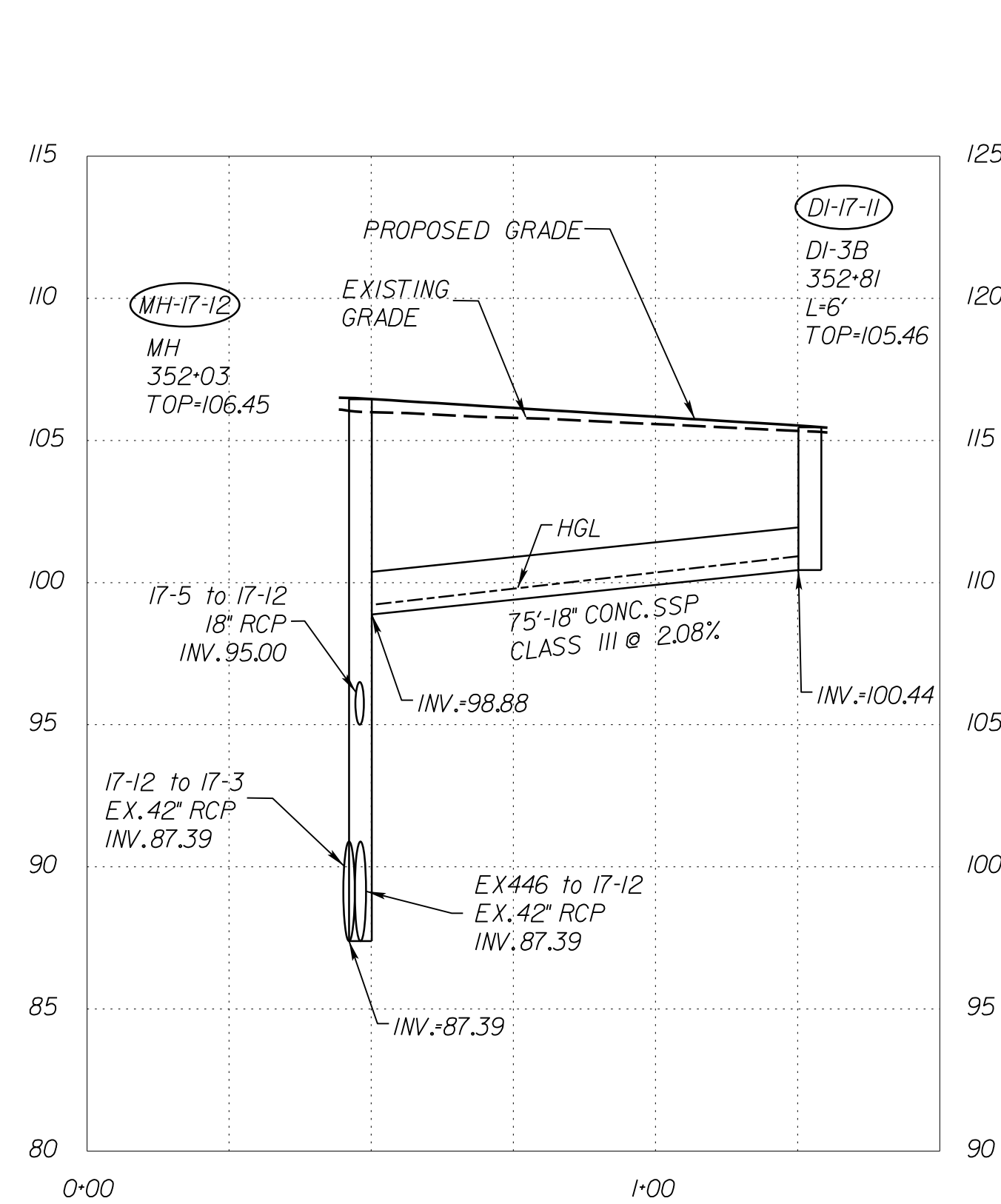
PROJECT MANAGER: Suste, Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, E. Engleering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	VA.	1	0001-212-249, PE-101	20(20)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



VERTICAL SCALE 1"=5'



PROJECT  
0001-212-249

SHEET NO.  
20(20)

R/W PLANS

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JOHNSON, WILKINSON & THOMPSON  
9201 Arpentum Parkway  
Suite 510  
Richmond, Virginia 23236  
Phone: (804) 323-9900

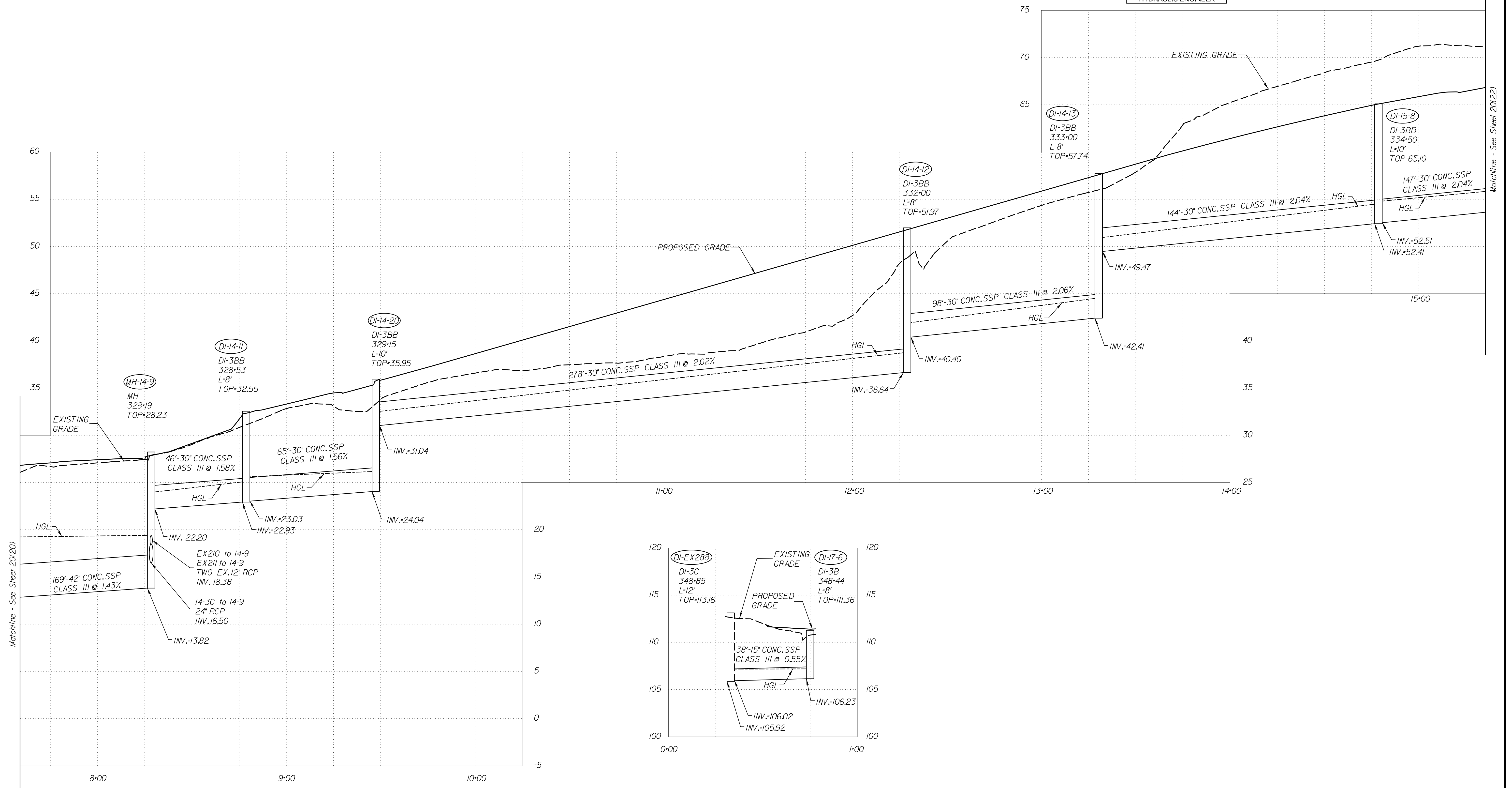
PROJECT MANAGER: Suste, Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, Engineering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon, E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(21)

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

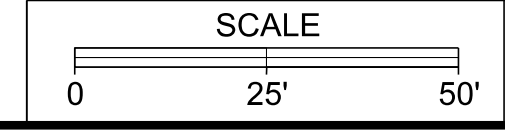
VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



Matchline - See Sheet 20(20)

Matchline - See Sheet 20(22)

VERTICAL SCALE 1"=5'



PROJECT	SHEET NO.
0001-212-249	20(21)

R/W PLANS

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JOHNSON WILKINSON & THOMPSON  
9201 Ardenwood Parkway  
Suite 510  
Richmond, Virginia 23236  
Phone: (804) 323-9900

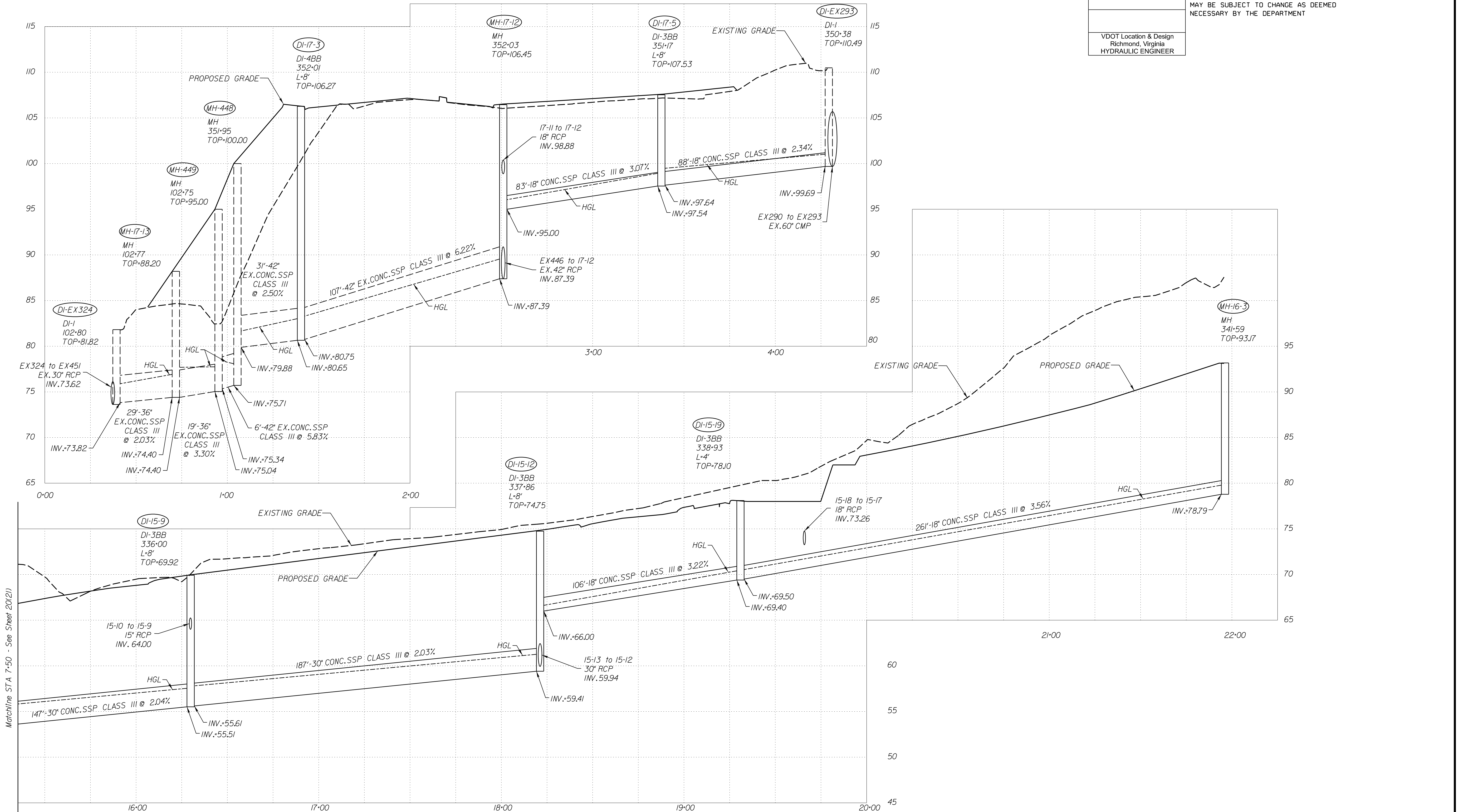
PROJECT MANAGER: Sustie Lue (703)259-2918, NOVA District  
SURVEYED BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13  
DESIGN BY: JMT, E. Engleering, (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon E. Treutle, LS (703)259-3224, 7/17/13

# STORM SEWER PROFILES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	20(22)

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

VDOT Location & Design  
Richmond, Virginia  
HYDRAULIC ENGINEER



Matchline STA 7+50 - See Sheet 20(21)

VERTICAL SCALE 1"=5'



PROJECT: 0001-212-249  
SHEET NO.: 20(22)

R/W PLANS

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PROJECT MANAGER *HoaLoan.Nguyen.P.E.* (703) 792-8161 *PWC Dept. of Transportation*  
 SURVEYED BY, DATE *Leon.E.Treutle.L.S.* (703) 259-3224 *7/17/13*  
 DESIGN BY *JMT\_Engineering* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leon.E.Treutle.L.S.* (703) 259-3224 *7/17/13*

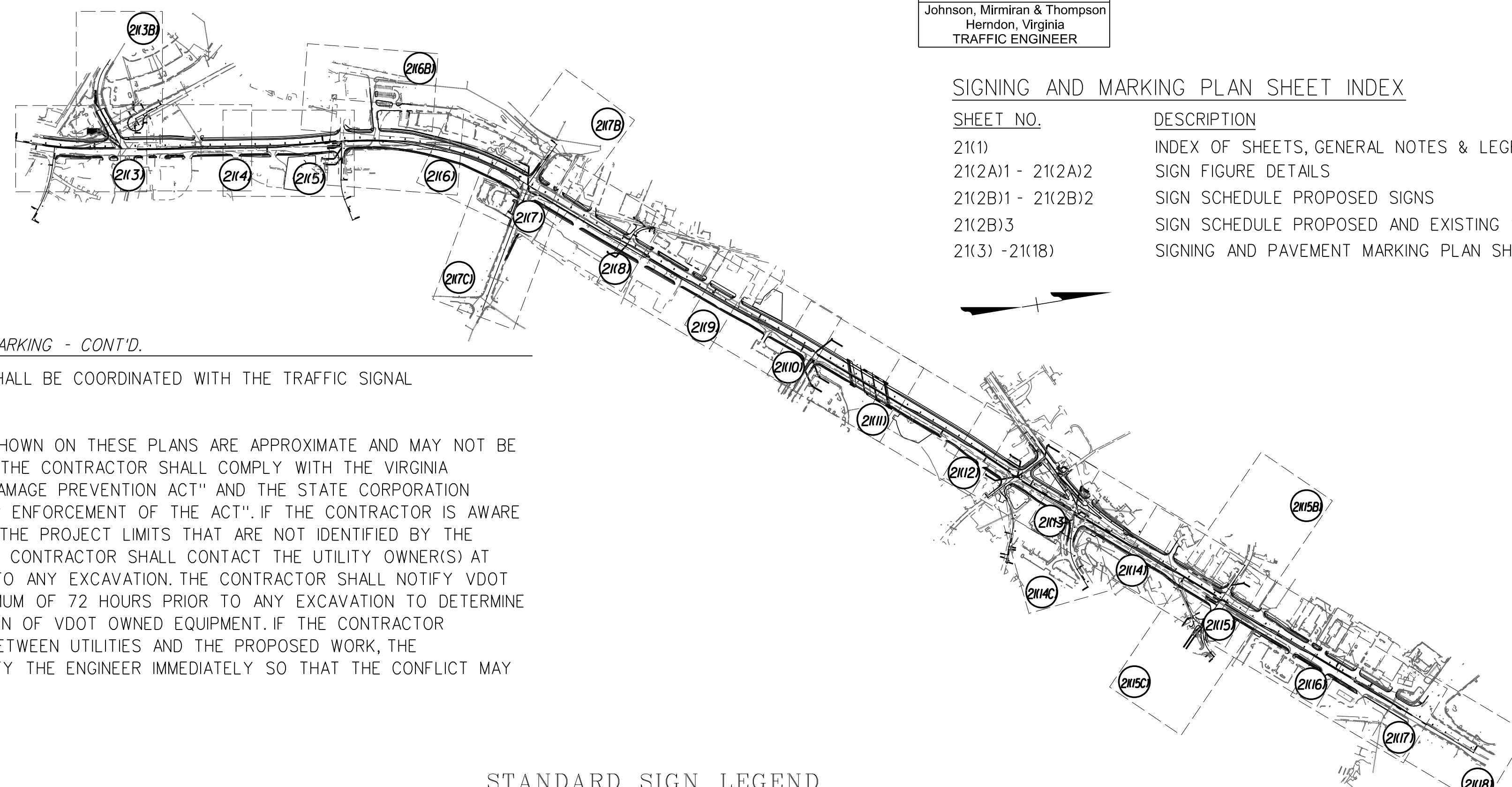
# SIGNING AND PAVEMENT MARKING

## INDEX OF SHEETS, GENERAL NOTES & LEGEND

	REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
		VA.	1	0001-212-249, RW-201, C-501	21(1)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Johnson, Mirmiran & Thompson Herndon, Virginia TRAFFIC ENGINEER					

### SIGNING AND MARKING PLAN SHEET INDEX

SHEET NO.	DESCRIPTION
21(1)	INDEX OF SHEETS, GENERAL NOTES & LEGEND
21(2A)1 - 21(2A)2	SIGN FIGURE DETAILS
21(2B)1 - 21(2B)2	SIGN SCHEDULE PROPOSED SIGNS
21(2B)3	SIGN SCHEDULE PROPOSED AND EXISTING SIGNS
21(3) - 21(18)	SIGNING AND PAVEMENT MARKING PLAN SHEET



#### GENERAL NOTES - PAVEMENT MARKING

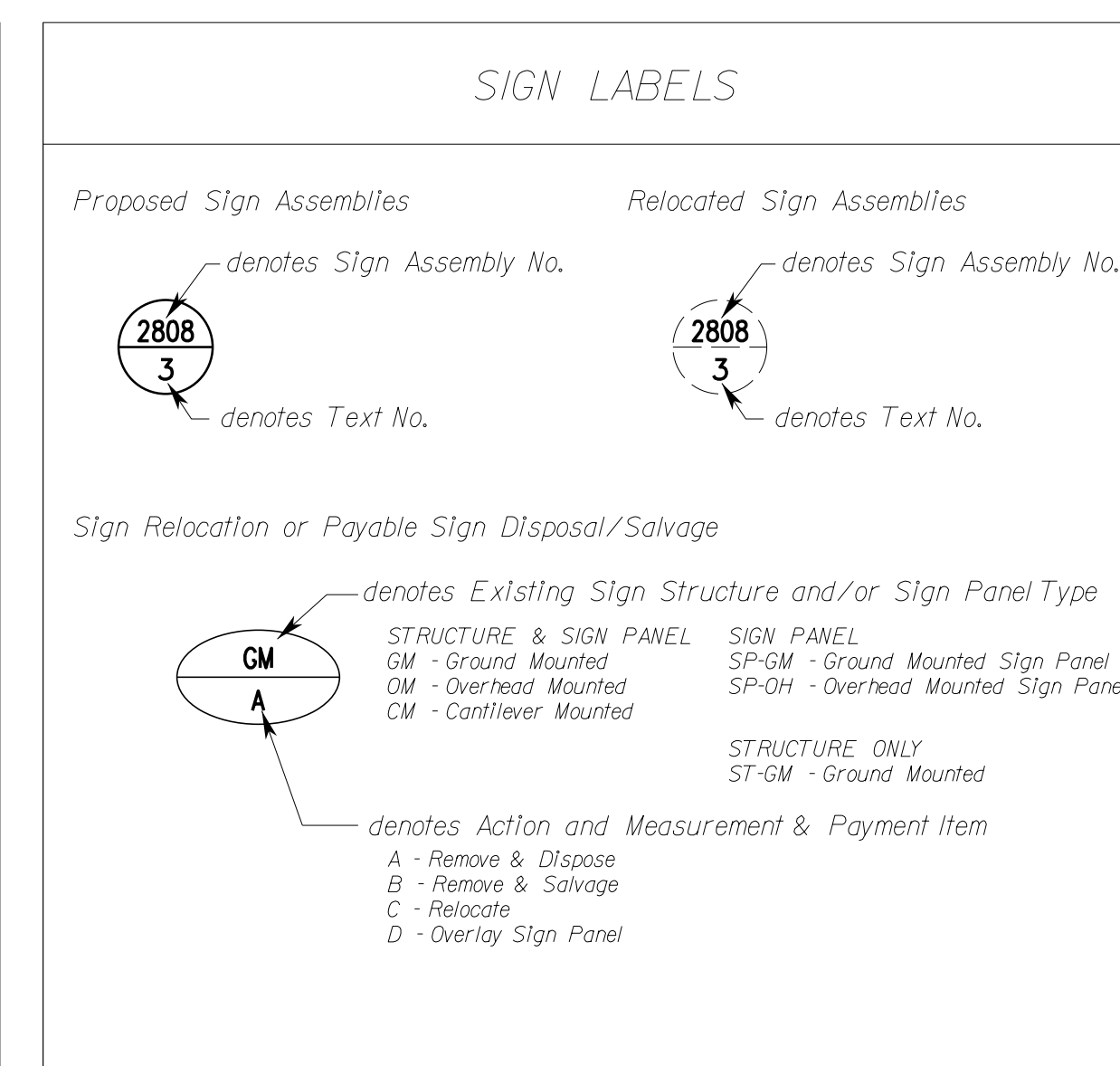
1. ALL SIGNING AND PAVEMENT MARKING WORK SHALL BE IN CONFORMANCE WITH THE FOLLOWING DOCUMENTS:
  - 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), REVISION 1 AND 2
  - 2011 VIRGINIA SUPPLEMENT TO THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (REVISION 1),
  - 2016 VDOT ROAD AND BRIDGE STANDARDS, AS REVISED,
  - 2020 VDOT ROAD AND BRIDGE SPECIFICATIONS, AND
  - ALL SPECIAL PROVISIONS, SUPPLEMENTAL SPECIFICATIONS, AND SPECIAL PROVISION COPIED NOTES INCLUDED IN THE CONTRACT.
2. NEW MATERIALS AND ITEMS REQUIRED TO COMPLETE THE REMOVAL OR MODIFICATION OF EXISTING ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL IN ACCORDANCE WITH SECTION 105 OF THE SPECIFICATIONS.
3. THE REMOVAL, MODIFICATION, OR RELOCATION OF EXISTING SIGN PANELS, STRUCTURES, AND FOUNDATIONS SHALL CONFORM TO SECTION 510 OF THE SPECIFICATIONS.
4. UNLESS OTHERWISE APPROVED BY THE ENGINEER OR INDICATED IN THE MAINTENANCE OF TRAFFIC AND SEQUENCE OF CONSTRUCTION PLANS, EXISTING TRAFFIC SIGNS WHICH ARE TO BE RELOCATED OR REPLACED SHALL REMAIN IN PLACE UNTIL THE NEW SIGN STRUCTURE AND CRITICAL SIGN MESSAGE ARE IN PLACE.
5. ALL EXISTING AND PROPOSED SIGN LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR. ALL PROPOSED SIGN LOCATIONS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.
6. SIGNS ARE TO BE INSTALLED WITHIN R/W OR EASEMENT.
7. SIGN PANEL DESIGN FOR SIGNS MOUNTED ON SQUARE TUBE POSTS SHALL CONFORM TO ST'D. SPD-5. THE CONTRACTOR SHALL VERIFY THE DESIGN OF ALL SIGN PANEL ASSEMBLY TYPES NOT SHOWN IN THIS ST'D. WITH THE ENGINEER.
8. ALL EXISTING AND PROPOSED PAVEMENT MARKINGS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR. ALL PROPOSED STOP BAR, YIELD LINE AND CROSSWALK LOCATIONS SHALL BE IDENTIFIED AND STAKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
9. ALL PAVEMENT MARKINGS, WHERE CONNECTING TO EXISTING PAVEMENT MARKINGS, SHALL BE DONE IN A MANNER APPROVED BY THE ENGINEER.
10. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS SHOWN HEREIN SHALL BE ERADICATED IN ACCORDANCE WITH SECTION 512.03(i) OF THE SPECIFICATIONS. ERADICATION SHALL BE CONSIDERED INCIDENTAL TO THE PAVEMENT MARKINGS AND SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT.
11. ALL TRAVEL LANES SHALL BE 12' WIDE AND STRIPED WITH 4" WIDTH LINES UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER.
12. ALL PAVEMENT LINE MARKINGS SHALL BE TYPE B, CLASS I. ALL MESSAGE AND SYMBOL MARKINGS SHALL BE TYPE B, CLASS II. TYPE B, CLASS VI CONTRAST PAVEMENT LINE MARKINGS SHALL BE USED ON HYDRAULIC CEMENT PAVEMENT.
13. PAVEMENT MARKINGS ON EXISTING PAVEMENT ARE TO REMAIN UNLESS NOTED ON THE PLANS. EXISTING PAVEMENT MARKINGS SHOWN OUTSIDE THE LIMITS OF NEW MARKINGS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY.
14. TURN LANE ARROWS, TURN LANE SOLID LINES, STOP BARS, AND CROSSWALKS SHALL BE LOCATED IN ACCORDANCE WITH ST'D. PM-3.
15. INLAID PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH ST'D. PM-8.

#### GENERAL NOTES - PAVEMENT MARKING - CONT'D.

16. INTERSECTION STRIPING SHALL BE COORDINATED WITH THE TRAFFIC SIGNAL INSTALLATION.
17. ALL UTILITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR COMPLETE. THE CONTRACTOR SHALL COMPLY WITH THE VIRGINIA "UNDERGROUND UTILITY DAMAGE PREVENTION ACT" AND THE STATE CORPORATION COMMISSION'S "RULES FOR ENFORCEMENT OF THE ACT". IF THE CONTRACTOR IS AWARE OF ANY UTILITIES WITHIN THE PROJECT LIMITS THAT ARE NOT IDENTIFIED BY THE NOTIFICATION CENTER, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNER(S) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL NOTIFY VDOT AT 800-367-7623 A MINIMUM OF 72 HOURS PRIOR TO ANY EXCAVATION TO DETERMINE THE EXTENT AND LOCATION OF VDOT OWNED EQUIPMENT. IF THE CONTRACTOR PERCEIVES A CONFLICT BETWEEN UTILITIES AND THE PROPOSED WORK, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE REVIEWED.

#### STANDARD SIGN LEGEND

PLAN ITEM	PLAN SYMBOL	
	PROPOSED	EXISTING
Single Post Sign Support	•	◻
Double Post Sign Support	••	◻◻
Triple Post Sign Support	•••	◻◻◻
O/H Cantilever Sign Support	●—	⊙—
O/H Span Sign Support	●—●	⊙—⊙
O/H Flashers and Gong	* ○*	* ○*
SIGN CALL-OUTS		
Existing Sign to Remain or to be Relocated		
Existing Sign to be Removed		
Proposed Sign Panel		



<b>REFERENCES</b> (PLAN AND DETAIL SHEETS)	<b>TRAFFIC CONTROL DEVICE PLANS</b> SIGNING AND PAVEMENT MARKING INDEX OF SHEETS, GENERAL NOTES AND LEGEND
DUMFRIES / PRINCE WILLIAM COUNTY	
SCALE	
	PROJECT <b>0001-212-249</b> SHEET NO. <b>21(1)</b>

PROJECT MANAGER *Hoa Lam Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation*  
 SURVEYED BY, DATE *Leon E. Treutle LS (703) 259-3224 7/17/13*  
 DESIGN BY *JMT Engineering (804) 323-9900*  
 SUBSURFACE UTILITY BY, DATE *Leon E. Treutle LS (703) 259-3224 7/17/13*

# SIGN FIGURE DETAILS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	21(2A)

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

Johnson, Mirmiran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER

FIGURE 1

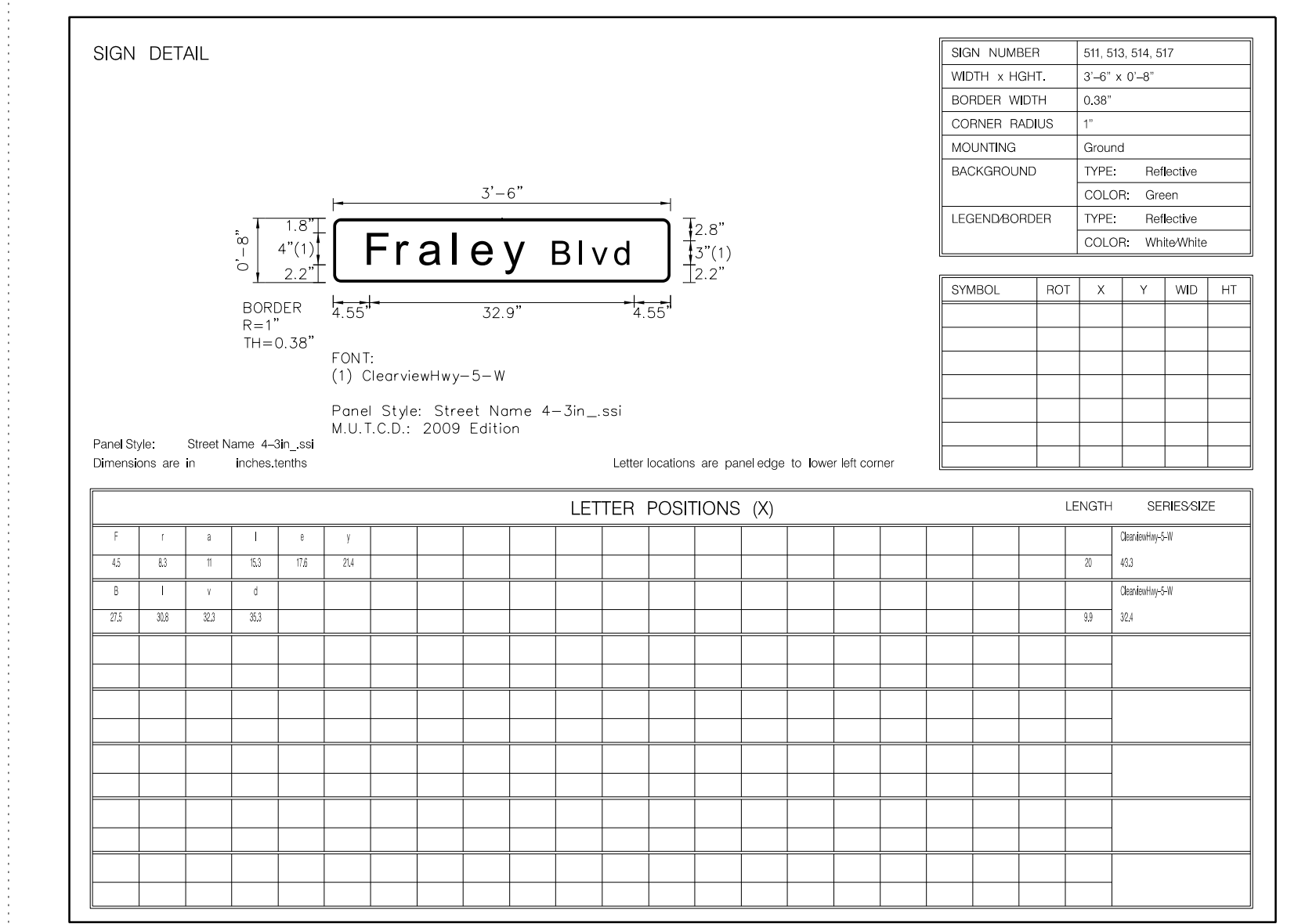


FIGURE 2

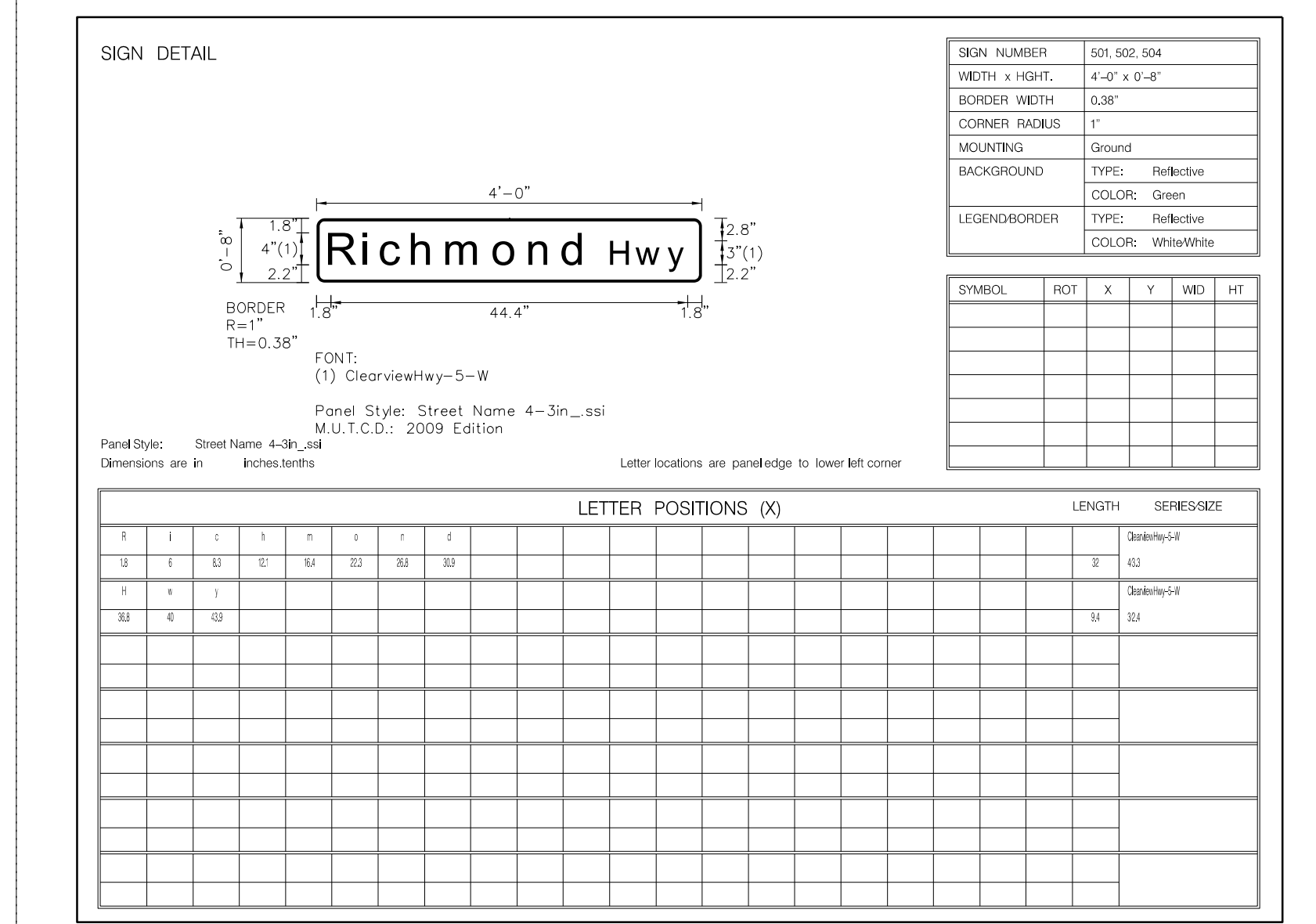


FIGURE 3

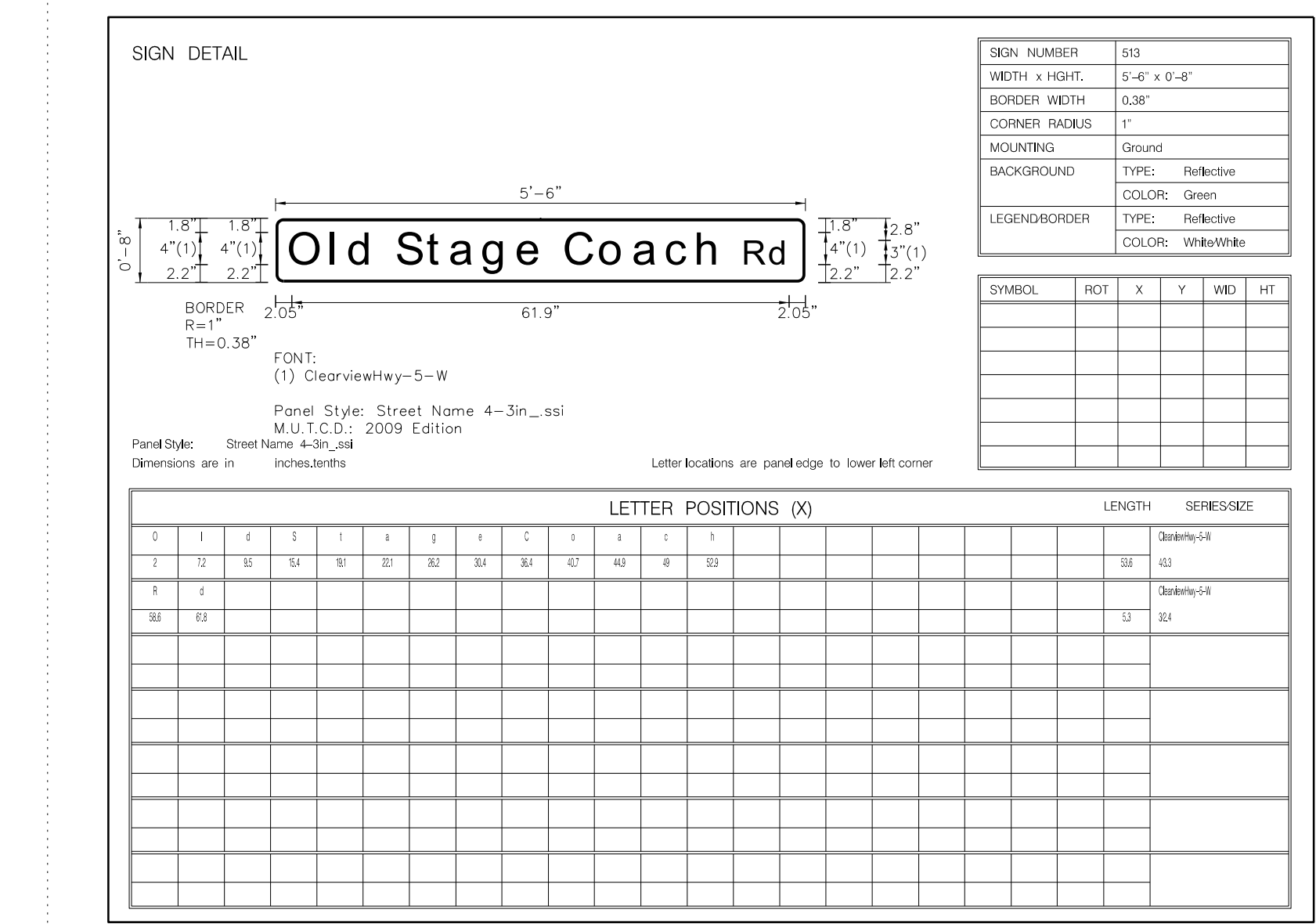


FIGURE 4

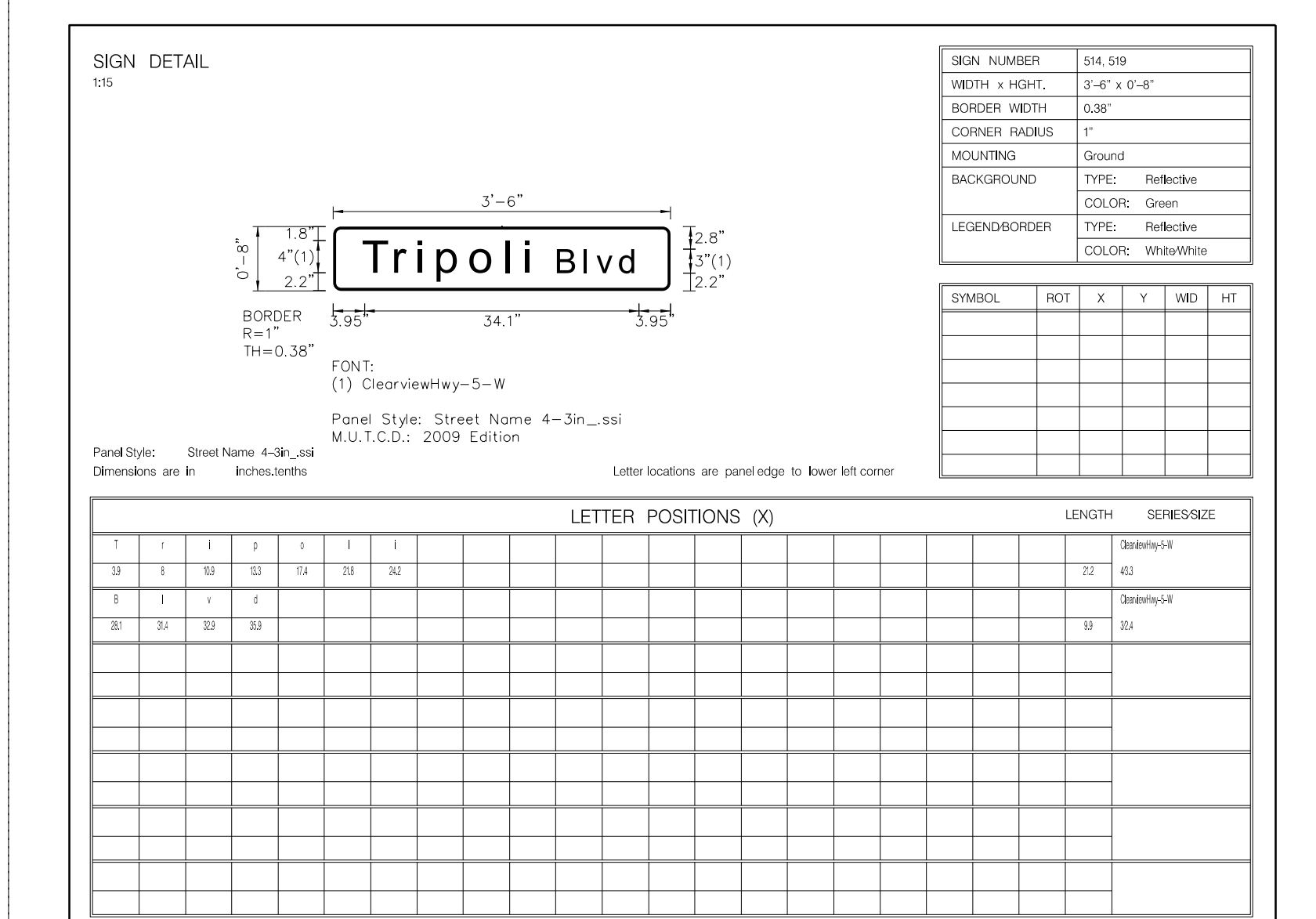


FIGURE 5

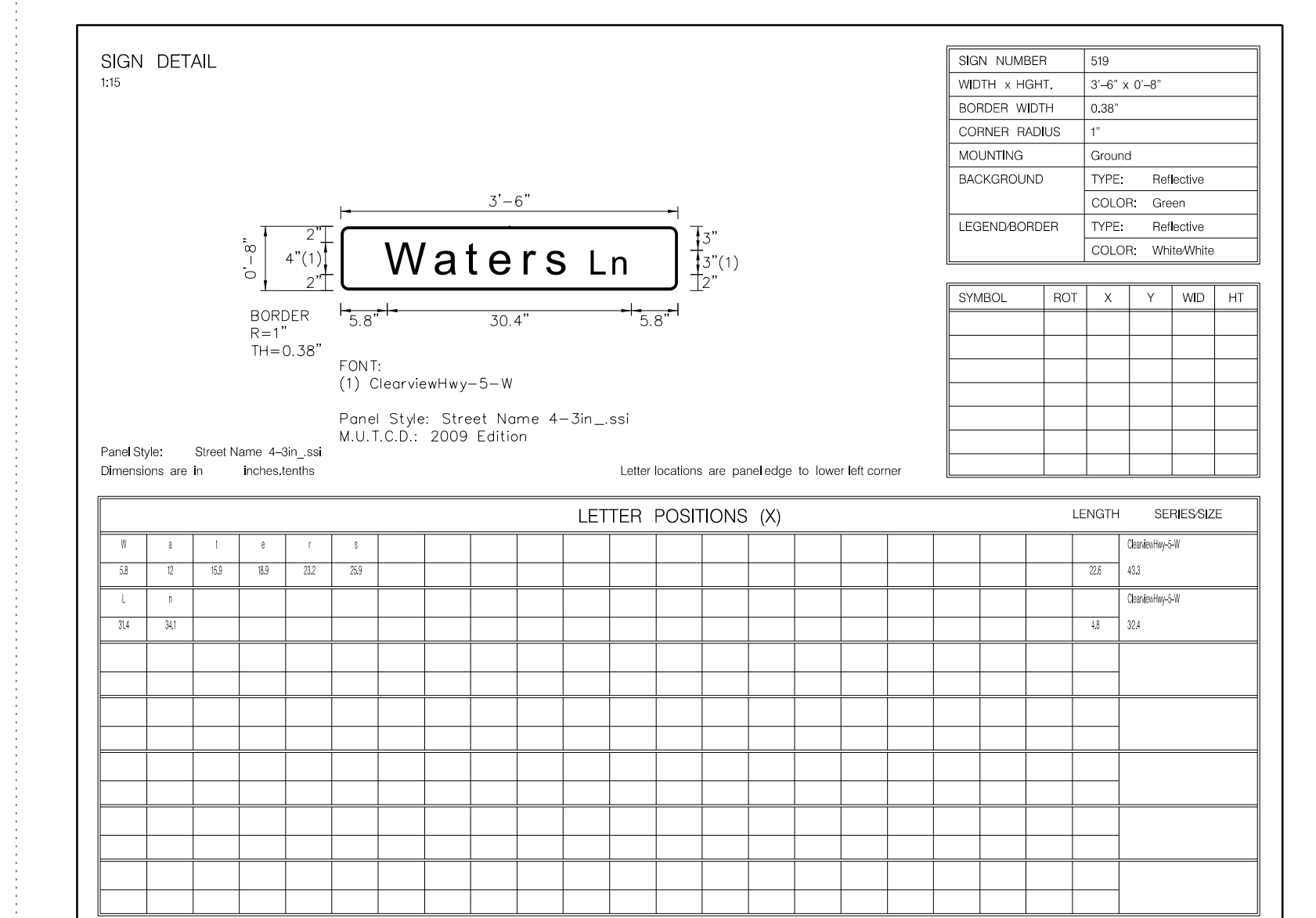
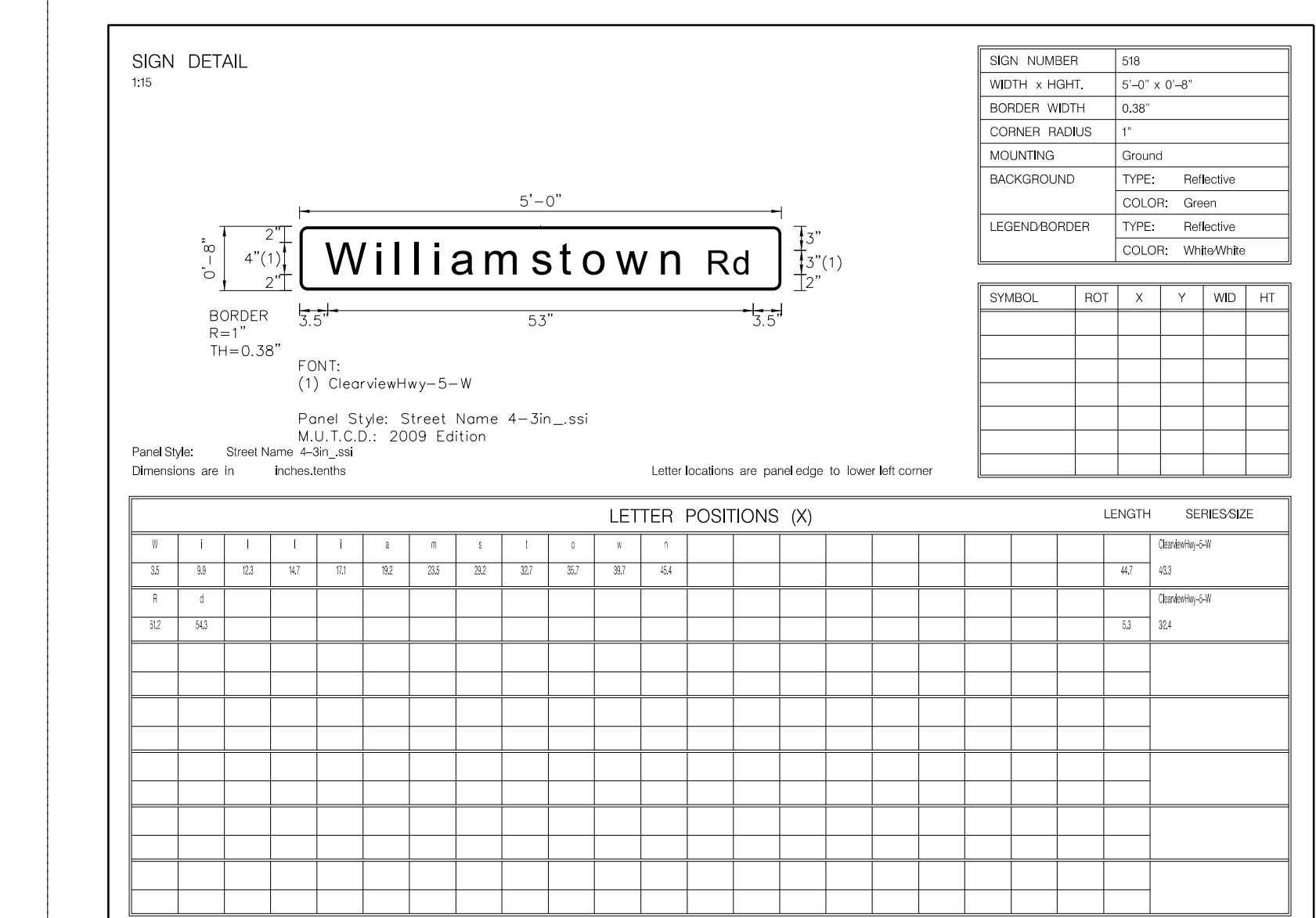


FIGURE 6

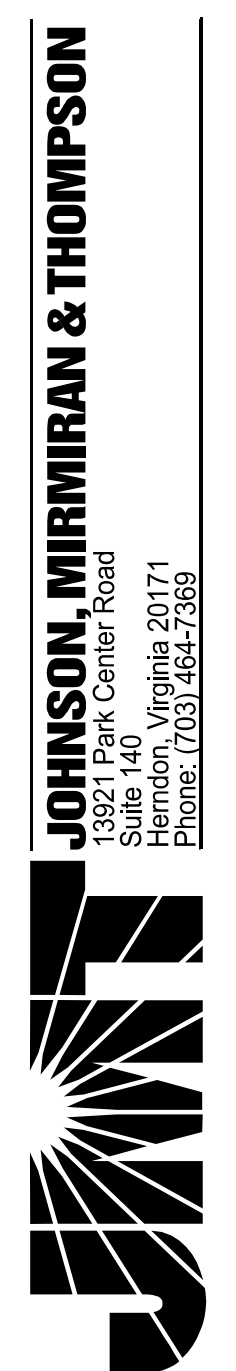


REFERENCES (PLAN AND DETAIL SHEETS)
--

TRAFFIC CONTROL DEVICE PLANS SIGNING AND PAVEMENT MARKING SIGN FIGURE DETAILS
DUMFRIES / PRINCE WILLIAM COUNTY
PROJECT NO SCALE
PROJECT 0001-212-249
SHEET NO. 21(2A)

R/W PLANS

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



PROJECT MANAGER: Hoang Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE: Leon E. Treutle, LS (703) 259-3224 7/7/13  
DESIGN BY: JMT\_Engineering (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: Leon E. Treutle, LS (703) 259-3224 7/7/13

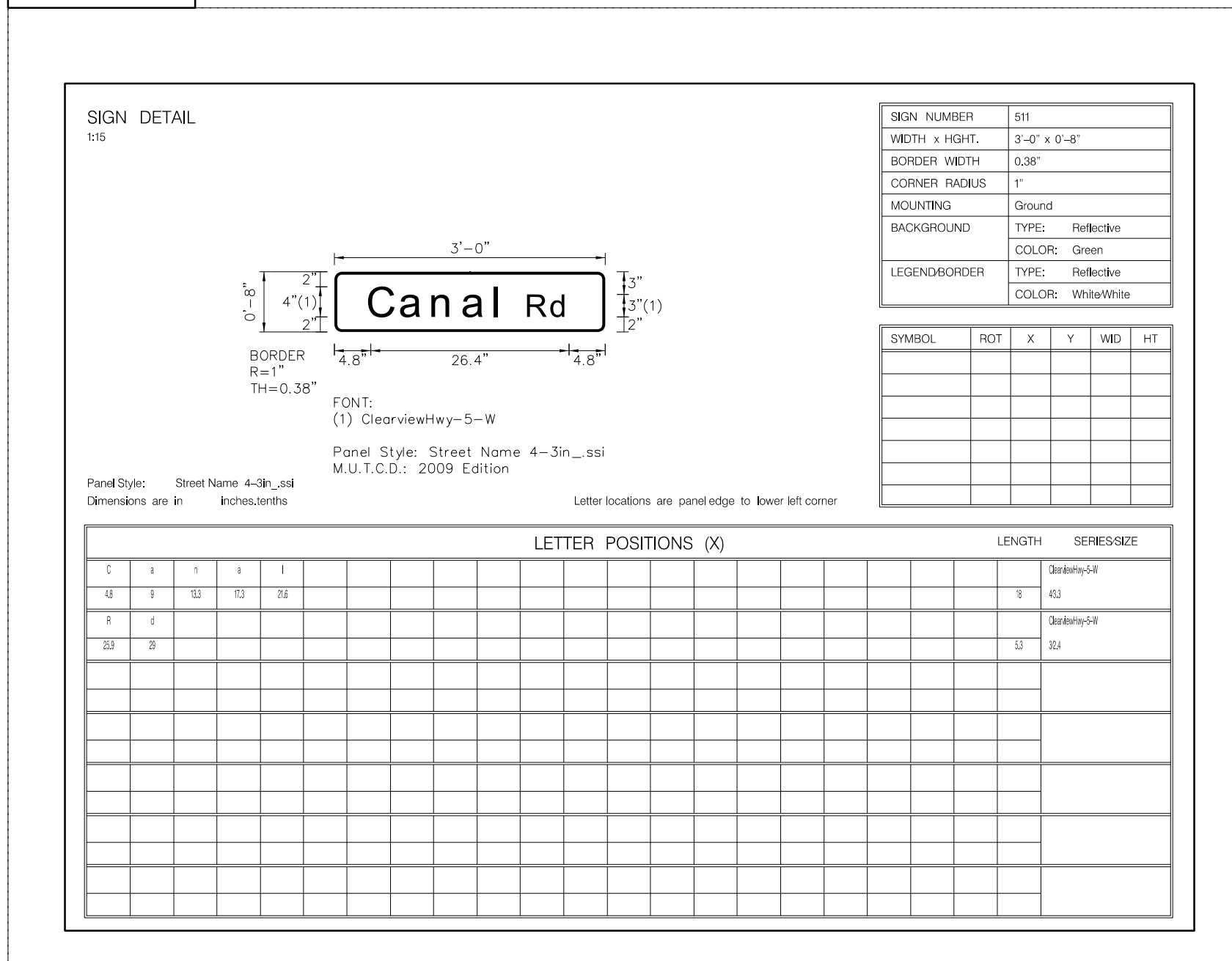
# SIGN FIGURE DETAILS

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1	0001-212-249, RW-201, C-501	2102A/2

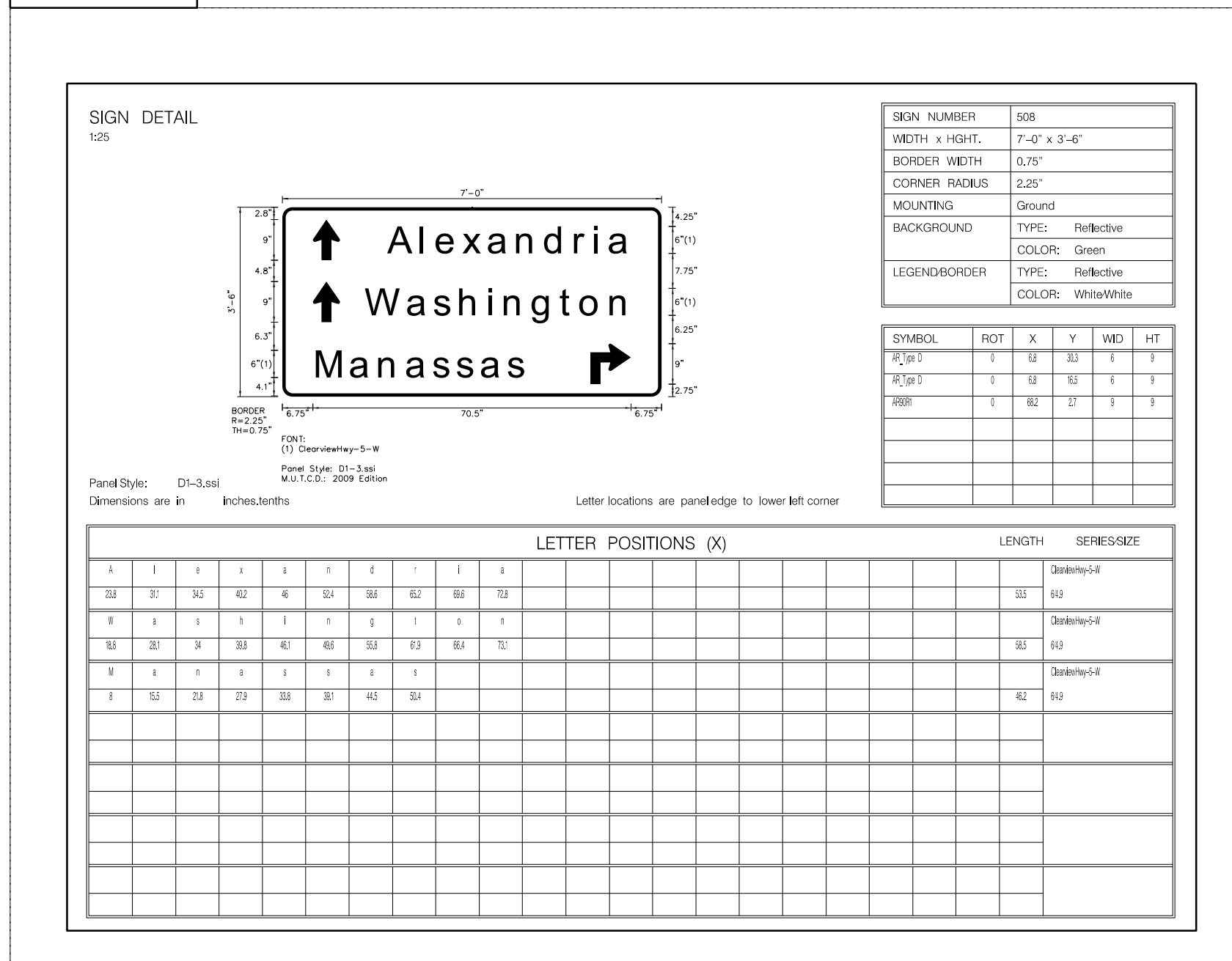
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Miriran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER

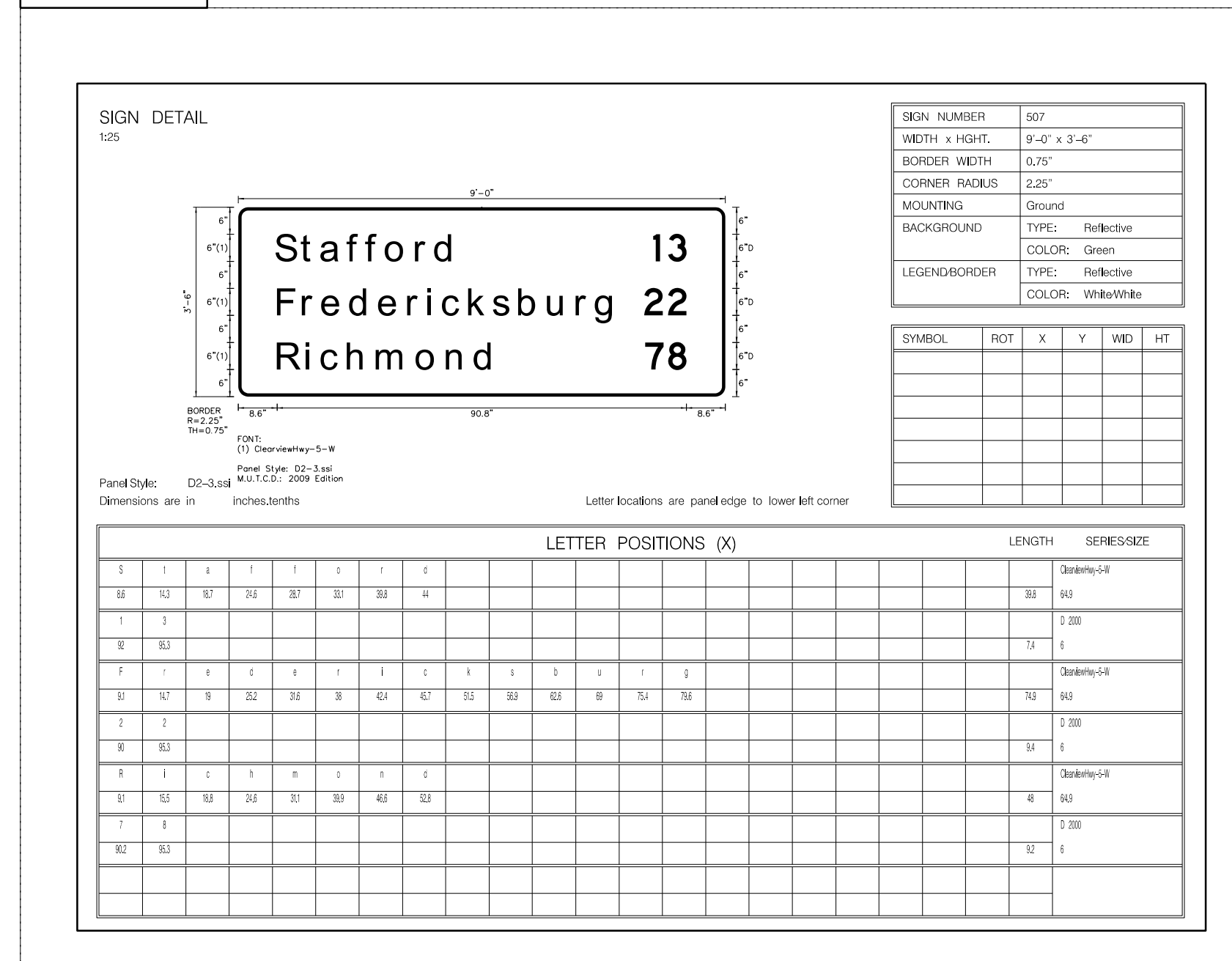
**FIGURE 7**



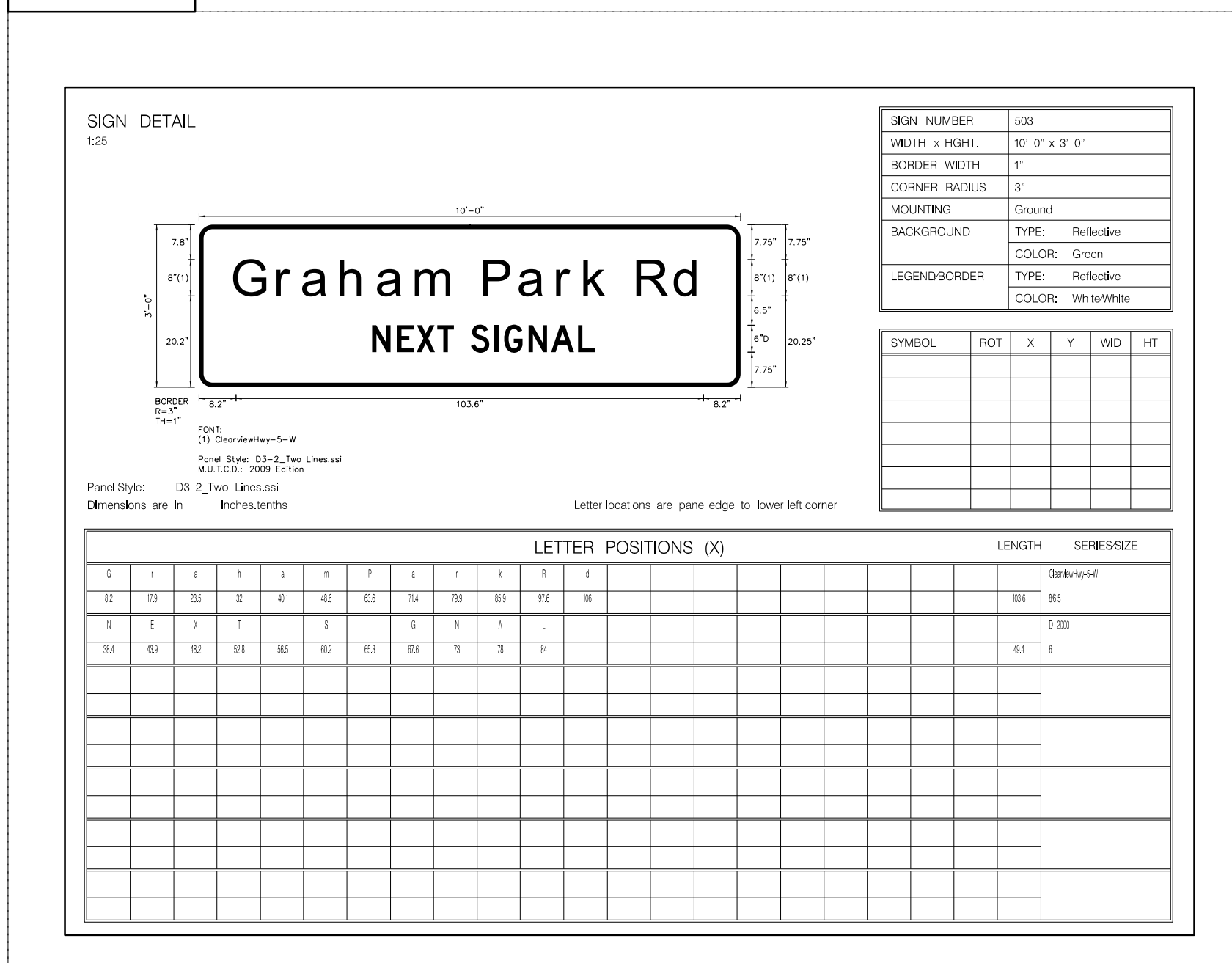
**FIGURE 8**



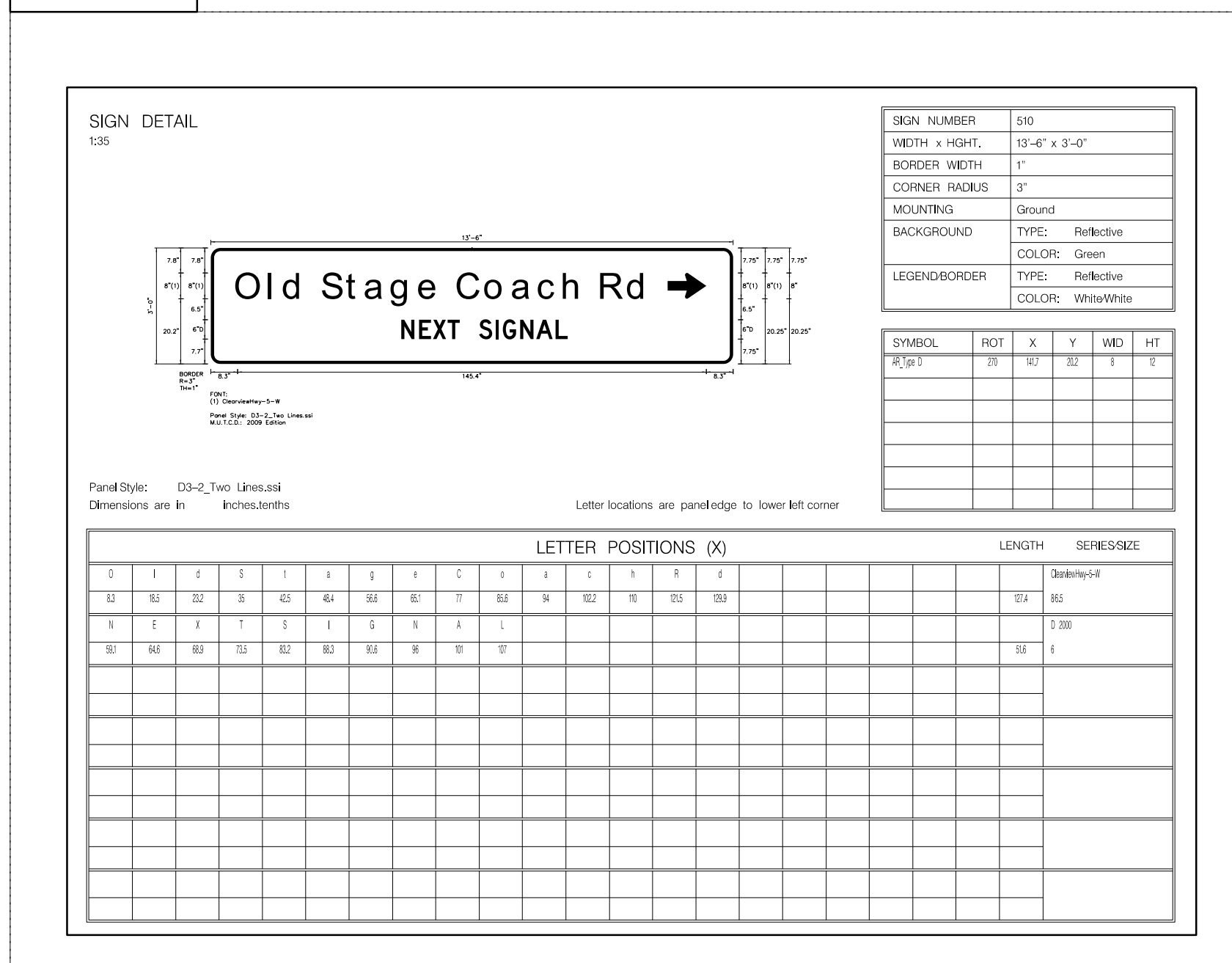
**FIGURE 9**



**FIGURE 10**



**FIGURE 11**



REFERENCES (PLAN AND DETAIL SHEETS)	TRAFFIC CONTROL DEVICE PLANS SIGNING AND PAVEMENT MARKING SIGN FIGURE DETAILS	
	DUMFRIES / PRINCE WILLIAM COUNTY	
	PROJECT	SHEET NO.
	NO SCALE	0001-212-249 2102A/2

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



PROJECT MANAGER: *Hoa Lam Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13  
DESIGN BY: *JMT Engineering* (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13

# SIGN SCHEDULE - PROPOSED SIGNS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	21(2B)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Miriran & Thompson Herndon, Virginia TRAFFIC ENGINEER				

TEXT NO.	SIGN ASSEMBLY NO(s).	TEXT	MUTCD ST'D.	SIGN ASSEMBLY COMPONENTS		QTY.	SIGN PANEL AREA (s.f.)		PROP. SIGN STRUCTURE ST'D.	PROP. FOUNDATION	REMARKS
				W	H		PER ASSEMBLY	ALL ASSEMBLIES			
101	301, 403-407, 503, 601, 801-802, 804-806, 901-904, 1001-1002, 1103, 1205, 1509, 1601-1604, 1706-1707		R6-1	54"	18"	28	6.75	189	STP-1 2" - 14 GA	STP-1 TYPE A	
102	303, 308, 408, 501, 605, 702-704, 1101-1102, 1401-1402, 1506, 1508, 1801		R4-7	24"	30"	15	5	75	STP-1 2" - 14 GA	STP-1 TYPE A	
103	807, 1104, 1403, 1701		R2-1	30"	36"	4	7.5	30	STP-1 2" - 14 GA	STP-1 TYPE A	
104	1405, 1510		R2-1	30"	36"	2	7.5	15	STP-1 2" - 14 GA	STP-1 TYPE A	
105	710, 1704		1-8	24"	24"	2	4	8	STP-1 2" - 14 GA	STP-1 TYPE A	
106	606, 707, 1511		R3-7	36"	36"	3	9	27	STP-1 2" - 14 GA	STP-1 TYPE A	
107	705		1-8	24"	24"	1	4	6.19	STP-1 2" - 14 GA	STP-1 TYPE A	
			M6-1L	21"	15"	1	2.19				
108	1304, 1307, 1703, 1506, 1508		R6-1	54"	18"	1	6.75	6.75	STP-1 2" - 14 GA	STP-1 TYPE A	
			R4-7	24"	30"	1	5	58.75	STP-1 2" - 14 GA	STP-1 TYPE A	
109	905		R5-1	36"	36"	1	9	15.75	STP-1 2 1/2" - 12 GA	STP-1 TYPE A	
			R6-1	54"	18"	1	6.75				

TEXT NO.	SIGN ASSEMBLY NO(s).	TEXT	MUTCD ST'D.	SIGN ASSEMBLY COMPONENTS		QTY.	SIGN PANEL AREA (s.f.)		PROP. SIGN STRUCTURE ST'D.	PROP. FOUNDATION	REMARKS
				W	H		PER ASSEMBLY	ALL ASSEMBLIES			
110	908, 1512, 1513		R3-2	36"	36"	1	9	54	STP-1 2 1/2" - 12 GA	STP-1 TYPE A	
			R5-1	36"	36"	1	9				
111	1101, 1712		R3-2	36"	36"	1	9	18	STP-1 2" - 14 GA	STP-1 TYPE A	
112	1305, 1308, 1408, 1409		R5-1	36"	36"	1	9	36	STP-1 2" - 14 GA	STP-1 TYPE A	
113	1410		R10-6	24"	36"	1	6	6	STP-1 2" - 14 GA	STP-1 TYPE A	
301	302		W11-1	30"	30"	1	6.25	9.25	STP-1 2 1/2" - 12 GA	STP-1 TYPE A	
			W16-1P	18"	24"	3					
302	305, 401		W11-8	36"	36"	2	9	18	STP-1 2" - 14 GA	STP-1 TYPE A	
303	1504		W14-2	30"	30"	1	6.25	6.25	STP-1 2" - 14 GA	STP-1 TYPE A	
304	1501		W3-3	36"	36"	1	9	9	STP-1 2" - 14 GA	STP-1 TYPE A	
305	1102, 1711		OM3-C	12"	36"	1	3	6	STP-1 2" - 14 GA	STP-1 TYPE A	
501	304		D3-1	48"	8"	1	2.67	2.67	STP-1 2" - 14 GA	STP-1 TYPE A	SEE FIGURE 2 ON SHEET 21(2A)

**NOTES:**

- 1) ALL SIGNS SHALL BE ORIENTATED AS SHOWN ON THE PLANS.
- 2) SIGN COLOR COMBINATIONS SHALL BE IN ACCORDANCE WITH THE FHWA SHS BOOK AND THE 2011 VIRGINIA SHS BOOK OR AS NOTED IN THE PLANS.
- 3) ALL POSITIVE CONTRAST GUIDE AND SPECIFIC SERVICE SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L-3 OR L-4 UNLESS OTHERWISE NOTED IN THE REMARKS. ALL OTHER SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L-1 OR L-2 UNLESS OTHERWISE NOTED IN THE REMARKS.

- 4) ALL BLACK SHEETING SHALL BE NON-REFLECTIVE.
- 5) SIGN STRUCTURES SHALL BE INSTALLED PER THE NOTED SIGN ST'D.
- 6) ALL ST'D. STP-1 STRUCTURES TO BE SINGLE POST UNLESS OTHERWISE NOTED.
- 7) IF APPLICABLE, SEE SHEET 2D FOR NON-STANDARD TYPE VA AND VIA SIGN STRUCTURE DETAILS.

**REFERENCES**  
(PLAN AND DETAIL SHEETS)

**TRAFFIC CONTROL DEVICE PLANS**  
SIGNING AND PAVEMENT MARKING  
SIGN SCHEDULE  
PROPOSED SIGNS

DUMFRIES / PRINCE WILLIAM COUNTY

PROJECT	SHEET NO.
NO SCALE	21(2B)

R/W PLANS

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



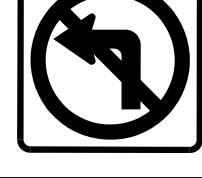
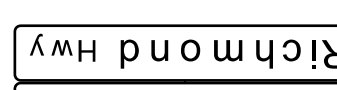

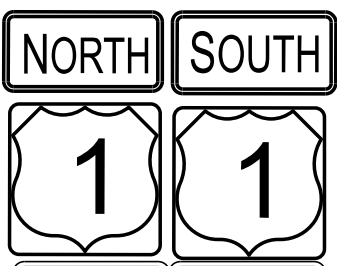




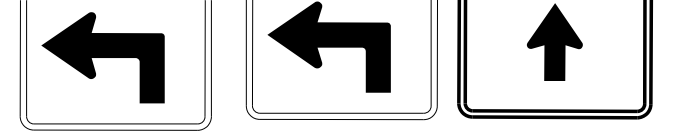
PROJECT MANAGER: *Hoaibom Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation*  
SURVEYED BY, DATE: *Leon E. Treutle, LS (703) 259-3224 7/17/13*  
DESIGN BY: *JMT, Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS (703) 259-3224 7/17/13*

# SIGN SCHEDULE - PROPOSED SIGNS

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	21(2B)2

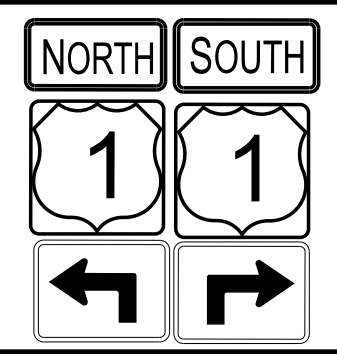


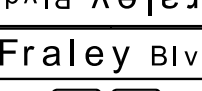



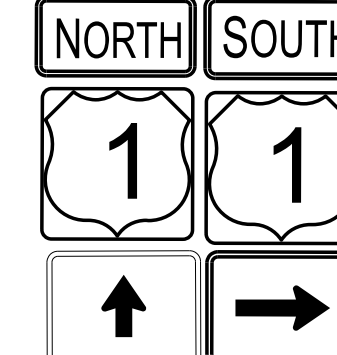


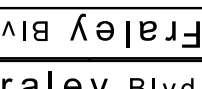
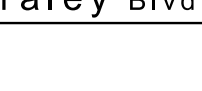



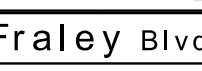

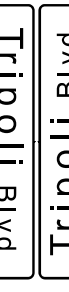
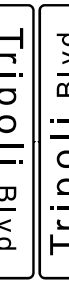
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Miriran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER

TEXT NO.	SIGN ASSEMBLY NO(s).	TEXT	MUTCD ST'D.	SIGN ASSEMBLY COMPONENTS		QTY.	SIGN PANEL AREA (s.f.)		PROP. SIGN STRUCTURE ST'D.	PROP. FOUNDATION	REMARKS
				W	H		PER ASSEMBLY	ALL ASSEM-BLUES			
502	402,602	  	D3-1	48"	8"	2	5.34				SEE FIGURE 2 ON SHEET 21(2A)1
			RI-1	30"	30"	1	6.25	31.18	STP-1 2 1/2" - 12 GA	STP-1 TYPE A	
			R3-2	24"	24"	1	4				
503	603	Graham Park Rd NEXT SIGNAL	D3-2	120"	36"	1	30	30	STP-1 2 - 2 1/2" - 10 GA	STP-1 TYPE B	SEE FIGURE 10 ON SHEET 21(2A)2
504	502,604	 	D3-1	48"	8"	2	5.34				SEE FIGURE 2 ON SHEET 21(2A)1
			RI-1	30"	30"	1	6.25	23.18	STP-1 2 1/2" - 12 GA	STP-1 TYPE A	
505	701	 	M3-3	24"	12"	1	2				SEE FIGURE 1 ON SHEET 21(2A)1 SEE FIGURE 7 ON SHEET 21(2A)2
			M3-1	24"	12"	1	2				
			M1-4	24"	24"	2	8	16.38	STP-1 2 1/2" - 12 GA	STP-1 TYPE A	
			M6-IL	2"	15"	1	2.19				
			M6-IR	2"	15"	1	2.19				
506	1708	   	M3-1	24"	12"	2	4				SEE FIGURE 9 ON SHEET 21(2A)2
			M4-5	24"	12"	2	4				
			M1-4	24"	24"	1	4	27.57	STP-1 2 - 2 1/2" - 10 GA WITH 2 3/16" - 10 GA INNER POST	STP-1 TYPE B	
			M1-1	24"	24"	1	4				
			M6-3	2"	15"	1	2.19				
			M5-IL	2"	15"	2	4.38				
507	1702	Stafford 13 Fredericksburg 22 Richmond 78	D2-3	108"	42"	1	31.5	31.5	STP-1 2 - 2 1/2" - 10 GA	STP-1 TYPE B	SEE FIGURE 9 ON SHEET 21(2A)2
508	1705	Alexandria Washington Manassas	D1-3	84"	42"	1	24.5	24.5	STP-1 2 1/2" - 10 GA	STP-1 TYPE B	SEE FIGURE 8 ON SHEET 21(2A)2

**NOTES:**

- 1) ALL SIGNS SHALL BE ORIENTATED AS SHOWN ON THE PLANS.
- 2) SIGN COLOR COMBINATIONS SHALL BE IN ACCORDANCE WITH THE FHWA SHS BOOK AND THE 2011 VIRGINIA SHS BOOK OR AS NOTED IN THE PLANS.
- 3) ALL POSITIVE CONTRAST GUIDE AND SPECIFIC SERVICE SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L-3 OR L-4 UNLESS OTHERWISE NOTED IN THE REMARKS. ALL OTHER SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L-1 OR L-2 UNLESS OTHERWISE NOTED IN THE REMARKS.
- 4) ALL BLACK SHEETING SHALL BE NON-REFLECTIVE.
- 5) SIGN STRUCTURES SHALL BE INSTALLED PER THE NOTED SIGN ST'D.
- 6) ALL ST'D. STP-1 STRUCTURES TO BE SINGLE POST UNLESS OTHERWISE NOTED.
- 7) IF APPLICABLE, SEE SHEET 2D FOR NON-STANDARD TYPE VA AND VIA SIGN STRUCTURE DETAILS.

TEXT NO.	SIGN ASSEMBLY NO(s).	TEXT	MUTCD ST'D.	SIGN ASSEMBLY COMPONENTS		QTY.	SIGN PANEL AREA (s.f.)		PROP. SIGN STRUCTURE ST'D.	PROP. FOUNDATION	REMARKS
				W	H		PER ASSEMBLY	ALL ASSEM-BLUES			
509	706	 	M3-1	24"	12"	1	2				SEE FIGURE 1 ON SHEET 21(2A)1 SEE FIGURE 7 ON SHEET 21(2A)2
			M3-3	24"	12"	1	2				
			M1-4	24"	24"	2	8	16.38	STP-1 2 1/2" - 12 GA	STP-1 TYPE A	
			M5-IL	2"	15"	1	2.19				
			M5-IR	2"	15"	1	2.19				
510	1605	Old Stage Coach Rd NEXT SIGNAL	D3-2	162"	36"	1	40.5	40.5	STP-1 3 - 2 1/2" - 10 GA	STP-1 TYPE B	SEE FIGURE 11 ON SHEET 21(2A)2
511	1301	    	RI-1	30"	30"	1	6.25				SEE FIGURE 1 ON SHEET 21(2A)1 SEE FIGURE 7 ON SHEET 21(2A)2
			D3-1	42"	8"	2	4.66	18.91	STP-1 2 1/2" - 12 GA	STP-1 TYPE A	
			D3-1	36"	8"	2	4				
			R3-2	24"	24"	1	4				
512	1303	 	M3-1	24"	12"	1	2				SEE FIGURES 1 AND 3 ON SHEET 21(2A)1
			M3-3	24"	12"	1	2				
			M1-4	24"	24"	2	8	16.38	STP-1 2 1/2" - 12 GA	STP-1 TYPE A	
			M6-3	2"	15"	1	2.19				
			M6-IR	2"	15"	1	2.19				
513	1507	    	RI-1	30"	30"	1	6.25				SEE FIGURES 1 AND 3 ON SHEET 21(2A)1
			D3-1	42"	8"	2	4.66	18.25	STP-1 2 1/2" - 12 GA	STP-1 TYPE A	
			D3-1	66"	8"	2	7.34				
514	1503	    	RI-1	30"	30"	1	6.25				SEE FIGURES 1 AND 4 ON SHEET 21(2A)1
			D3-1	42"	8"	2	4.66	15.57	STP-1 2 1/2" - 12 GA	STP-1 TYPE A	
			D3-1	42"	8"	2	4.66				
			D3-1	42"	8"	2	4.66				

**REFERENCES**  
(PLAN AND DETAIL SHEETS)

**TRAFFIC CONTROL DEVICE PLANS**  
SIGNING AND PAVEMENT MARKING  
SIGN SCHEDULE  
PROPOSED SIGNS

DUMFRIES / PRINCE WILLIAM COUNTY

PROJECT	SHEET NO.
NO SCALE	21(2B)2

R/W PLANS

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



PROJECT MANAGER *HoaLoan\_Nguyen\_P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY, DATE *Leon\_E.Treutle\_L.S.* (703) 259-3224 7/17/13  
 DESIGN BY *JMT\_Engineering* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leon\_E.Treutle\_L.S.* (703) 259-3224 7/17/13

# SIGN SCHEDULE - PROPOSED AND EXISTING SIGNS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	21(2B)3
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia TRAFFIC ENGINEER				

## PROPOSED SIGNS

TEXT NO.	SIGN ASSEMBLY NO(s).	TEXT	MUTCD ST'D.	SIGN ASSEMBLY COMPONENTS		QTY.	SIGN PANEL AREA (s.f.)		PROP. SIGN STRUCTURE ST'D.	PROP. FOUNDATION	REMARKS
				W	H		PRT ASSEMBLY	ALL ASSEMBLIES			
515	708		M3-3	24"	12"	1	2	16.38	STP-1 2 1/2" - 12 GA	STP-1 TYPE A	
			M3-1	24"	12"	1	2				
			M1-4	24"	24"	2	8				
			M5-IL	21"	15"	1	2.19				
			M5-IR	21"	15"	1	2.19				
516	1306		M3-1	24"	12"	1	2	8.19	STP-1 2" - 14 GA	STP-1 TYPE A	
			M1-4	24"	24"	1	4				
			M6-1	21"	15"	1	2.19				
517	803,1003,1105 1302,1502		R1-1	30"	30"	1	6.25	71.25	STP-1 2 1/2" - 12 GA	STP-1 TYPE A	SEE FIGURE 1 ON SHEET 21(2A)
			D3-1	42"	8"	2	4.66				
			R3-2	24"	24"	1	4				
518	1106		D3-1	60"	8"	2	6.66	6	STP-1 2" - 14 GA	STP-1 TYPE A	SEE FIGURE 6 ON SHEET 21(2A)
519	1505		R1-1	30"	30"	1	6.25	12.91	STP-1 2" - 14 GA	STP-1 TYPE A	SEE FIGURES 4 AND 5 ON SHEET 21(2A)
			D3-1	42"	8"	2	4.66				
			D3-1	42"	8"	2	4.66				
520	709,1404		M3-1	24"	12"	1	2	32.76	STP-1 2 1/2" - 12 GA	STP-1 TYPE A	
			M3-3	24"	12"	1	2				
			M1-4	24"	24"	2	8				
			M6-IL	21"	15"	1	2.19				
			M6-IR	21"	15"	1	2.19				

**NOTES:**

- 1) ALL SIGNS SHALL BE ORIENTATED AS SHOWN ON THE PLANS.
- 2) SIGN COLOR COMBINATIONS SHALL BE IN ACCORDANCE WITH THE FHWA SHS BOOK AND THE 2011 VIRGINIA SHS BOOK OR AS NOTED IN THE PLANS.
- 3) ALL POSITIVE CONTRAST GUIDE AND SPECIFIC SERVICE SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L-3 OR L-4 UNLESS OTHERWISE NOTED IN THE REMARKS. ALL OTHER SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L-1 OR L-2 UNLESS OTHERWISE NOTED IN THE REMARKS.
- 4) ALL BLACK SHEETING SHALL BE NON-REFLECTIVE.
- 5) SIGN STRUCTURES SHALL BE INSTALLED PER THE NOTED SIGN ST'D.
- 6) ALL ST'D. STP-1 STRUCTURES TO BE SINGLE POST UNLESS OTHERWISE NOTED.
- 7) IF APPLICABLE, SEE SHEET 2D FOR NON-STANDARD TYPE VA AND VIA SIGN STRUCTURE DETAILS.

## EXISTING SIGNS

TEXT NO.	SIGN ASSEMBLY NO(s).	TEXT	MUTCD ST'D.	SIGN ASSEMBLY COMPONENTS		QTY.	SIGN PANEL AREA (s.f.)		PROP. SIGN STRUCTURE ST'D.	PROP. FOUNDATION	REMARKS
				W	H		PRT ASSEMBLY	ALL ASSEMBLIES			
1101	306,906,1107, 1406,1407, 1606,1710					7			STP-1 2" - 14 GA	STP-1 TYPE A	
1102	307,907					2			STP-1 2" - 14 GA	STP-1 TYPE A	
1103	504					1			STP-1 2 1/2" - 10 GA	STP-1 TYPE B	
1104	1108					1			STP-1 2 1/2" - 10 GA	STP-1 TYPE B	
1105	1709					1			STP-1 2 1/2" - 10 GA	STP-1 TYPE B	
1106	1201-1204					4			STP-1 2 1/2" - 12 GA	STP-1 TYPE A	HISTORICAL MARKERS GRAHAM PARK HISTORY OF DUMFRIES DUMFRIES RAID REVOLUTIONARY WAR CAMPAIGN OF 1781 RELOCATED FROM SHEET 21(11) TO 21(12)
1107	1309					1			STP-1 2" - 14 GA	STP-1 TYPE A	

**REFERENCES**  
(PLAN AND DETAIL SHEETS)

**TRAFFIC CONTROL DEVICE PLANS**  
SIGNING AND PAVEMENT MARKING  
SIGN SCHEDULE  
PROPOSED AND EXISTING SIGNS  
DUMFRIES / PRINCE WILLIAM COUNTY

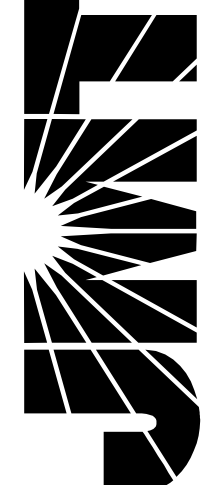
PROJECT: 0001-212-249  
SHEET NO.: 21(2B)3

R/W PLANS

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**JOHNSON, MIRIRAN & THOMPSON**  
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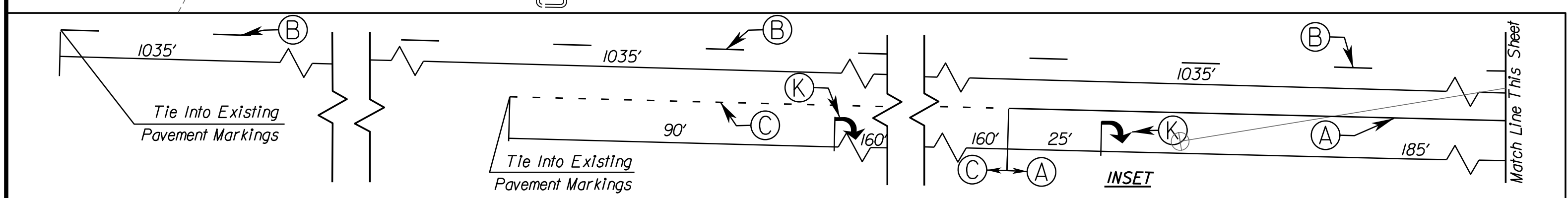
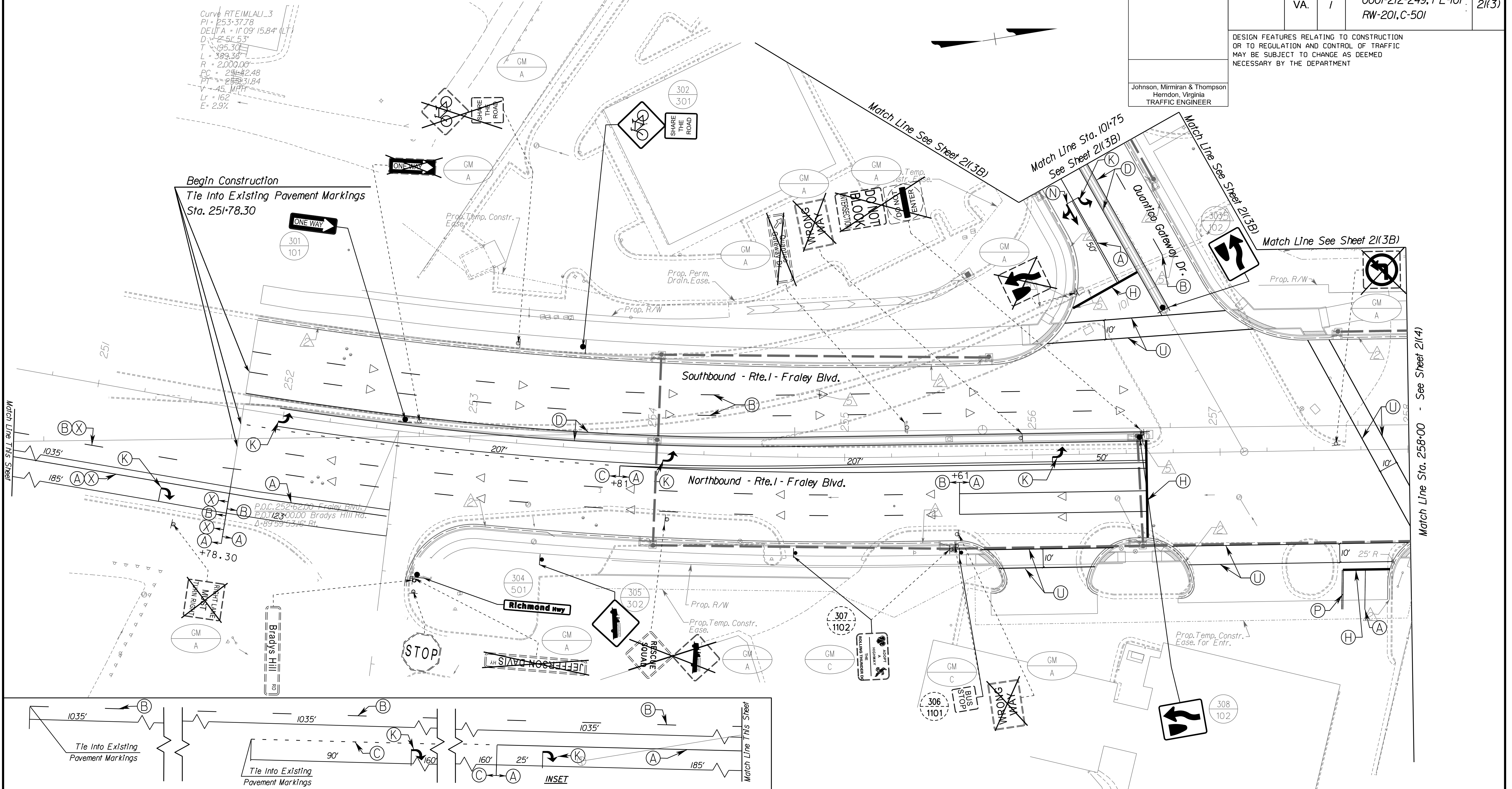


PROJECT MANAGER: *Huong Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13  
DESIGN BY: *JMT Engineering* (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101 RW-201, C-501	21(3)

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

Johnson, Miriran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER



PAVEMENT MARKING & PAVEMENT MARKERS LEGEND			
(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 30" SPACING, 24" WIDTH	(Y) ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	(Z) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8' CHARACTER	

REFERENCES (PLAN AND DETAIL SHEETS)	
ROADWAY PLAN	3
SIGN FIGURE DETAILS	21(2A1) - 21(2A2)
SIGN SCHEDULE - PROPOSED	21(2B1) - 21(2B3)
SIGN SCHEDULE - EXISTING	21(2B3)
TRAFFIC SIGNAL PLAN	22(1)

**TRAFFIC CONTROL DEVICE PLANS  
SIGNING AND PAVEMENT MARKING PLAN**

DUMFRIES / PRINCE WILLIAM COUNTY  
SCALE: 0 25' 50'

PROJECT	0001-212-249
SHEET NO.	21(3)

R/W PLANS

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



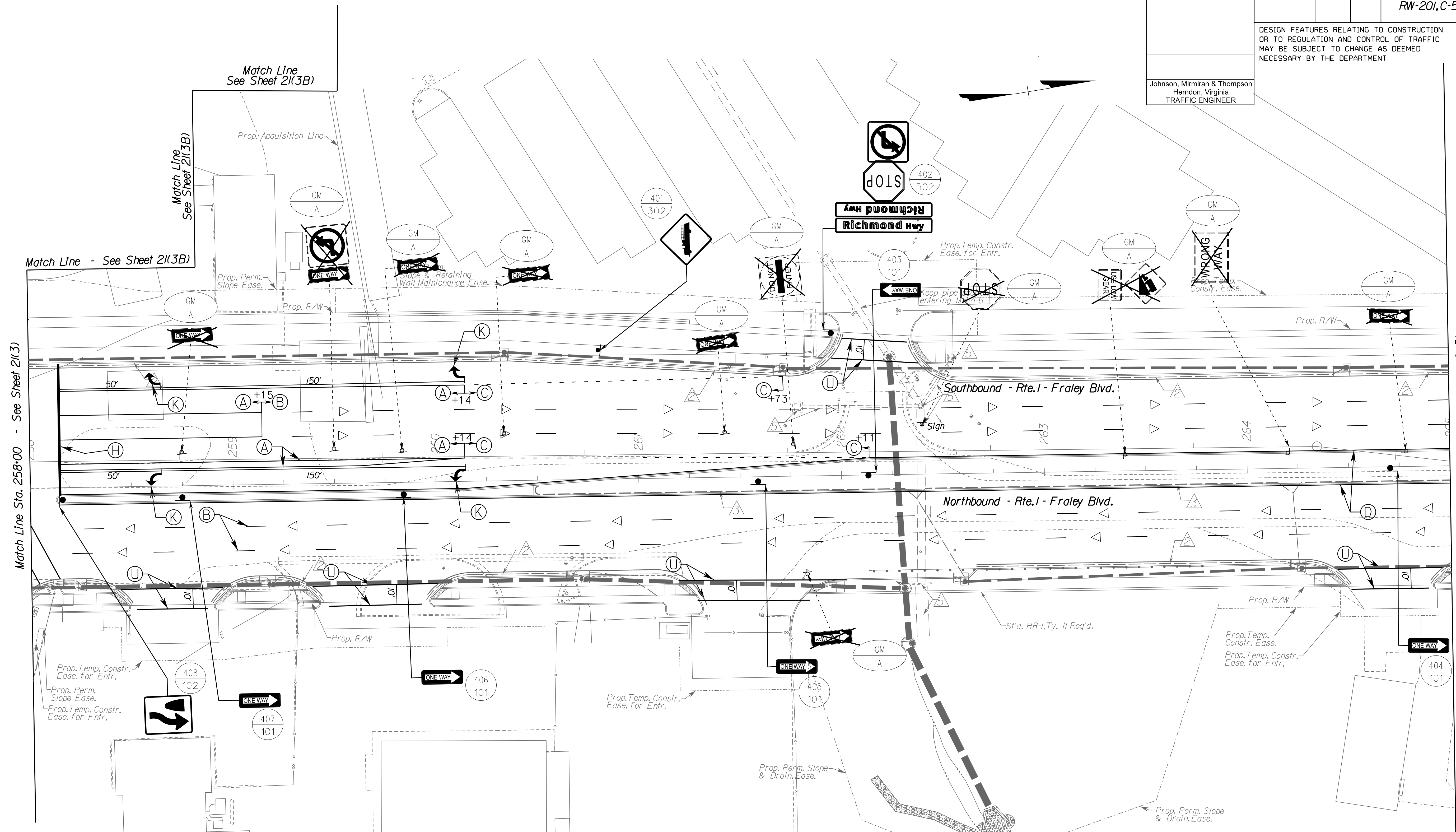


PROJECT MANAGER: *Hoa Lam Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation*  
SURVEYED BY, DATE: *Leon E. Treutle, LS (703) 259-3224 7/17/13*  
DESIGN BY: *JMT Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS (703) 259-3224 7/17/13*

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	21(4)

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

Johnson, Mirmiran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER



PAVEMENT MARKING & PAVEMENT MARKERS LEGEND			
(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE 30" SPACING, 24" WIDTH	(△) ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	(◊) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8" CHARACTER	

REFERENCES (PLAN AND DETAIL SHEETS)	
ROADWAY PLAN	4
SIGN FIGURE DETAILS	21(2A) - 21(2A)2
SIGN SCHEDULE - PROPOSED	21(2B) - 21(2B)3
SIGN SCHEDULE - EXISTING	21(2B)3
TRAFFIC SIGNAL PLAN	22(3)

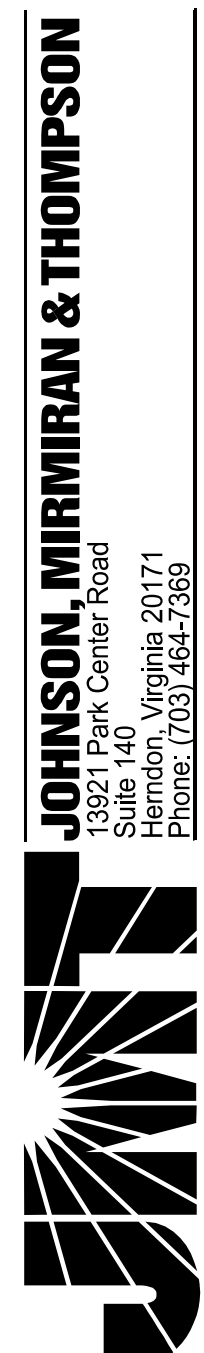
TRAFFIC CONTROL DEVICE PLANS SIGNING AND PAVEMENT MARKING PLAN	
DUMFRIES / PRINCE WILLIAM COUNTY	PROJECT
SCALE	0 25' 50'
PROJECT	0001-212-249
SHEET NO.	21(4)

R/W PLANS

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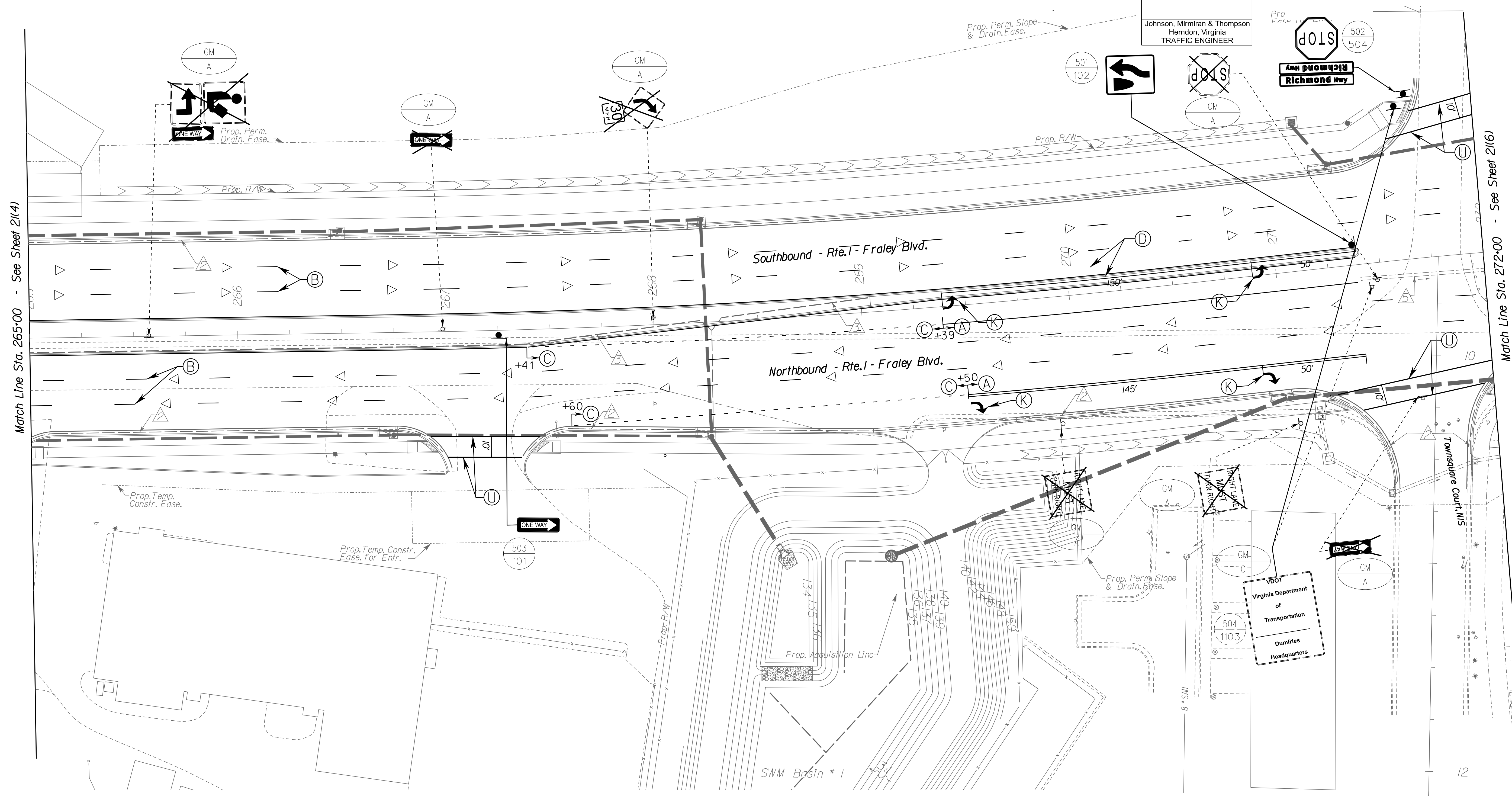
PROJECT MANAGER *Hadiam Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY, DATE *Leon E. Treutle, LS* (703) 259-3224 7/17/13  
 DESIGN BY *JMT Engineering* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, LS* (703) 259-3224 7/17/13



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	21(5)

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

Johnson, Mirmiran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER



PAVEMENT MARKING & PAVEMENT MARKERS LEGEND			
(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 30" SPACING, 24" WIDTH	(Y) ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	(Z) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8" CHARACTER	

REFERENCES (PLAN AND DETAIL SHEETS)	
ROADWAY PLAN	5
SIGN FIGURE DETAILS	21(2A)1 - 21(2A)2
SIGN SCHEDULE - PROPOSED	21(2B)1 - 21(2B)3
SIGN SCHEDULE - EXISTING	21(2B)3

TRAFFIC CONTROL DEVICE PLANS SIGNING AND PAVEMENT MARKING PLAN	
DUMFRIES / PRINCE WILLIAM COUNTY	PROJECT
SCALE	PROJECT
0 25' 50'	0001-212-249
	SHEET NO.
	21(5)

R/W PLANS

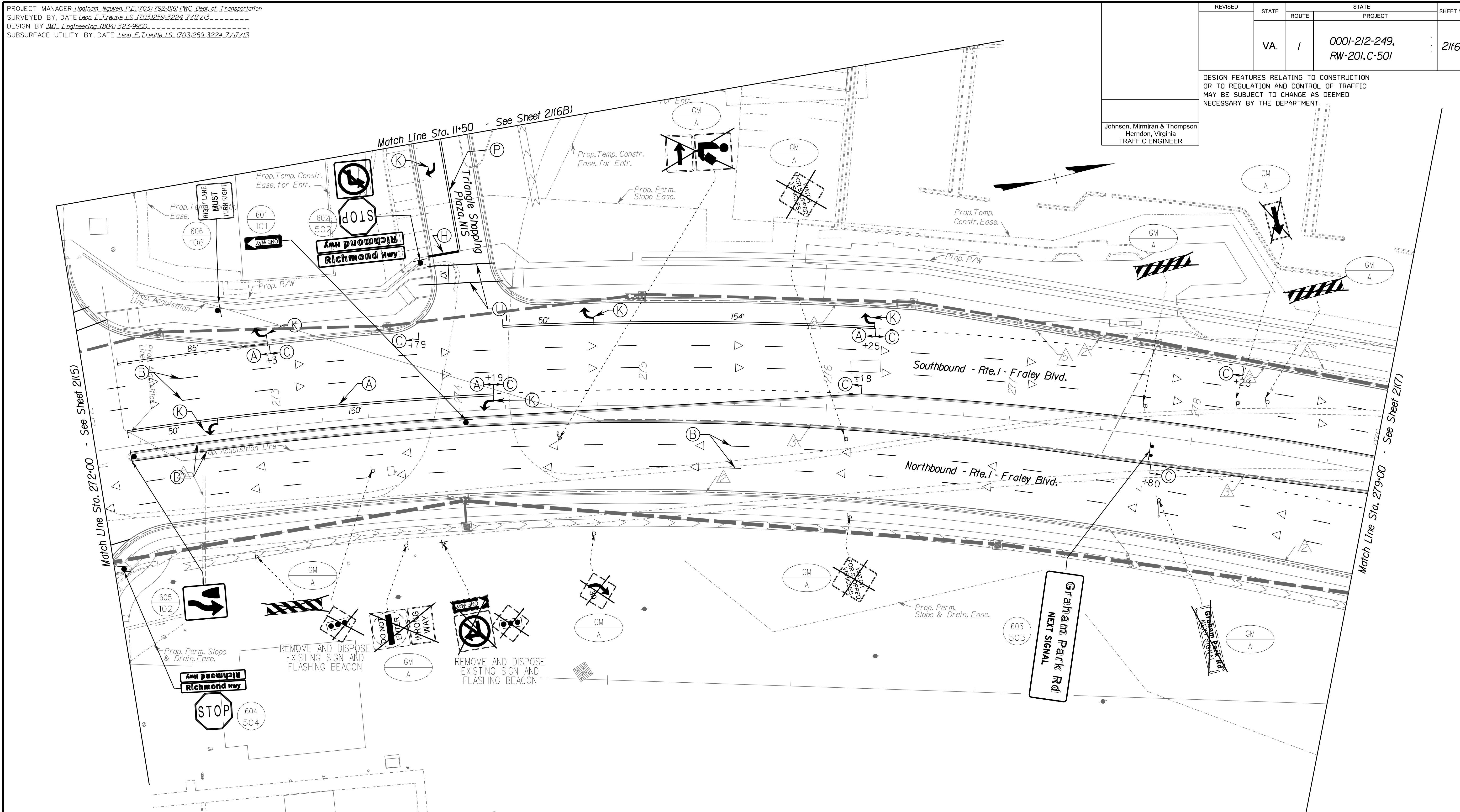
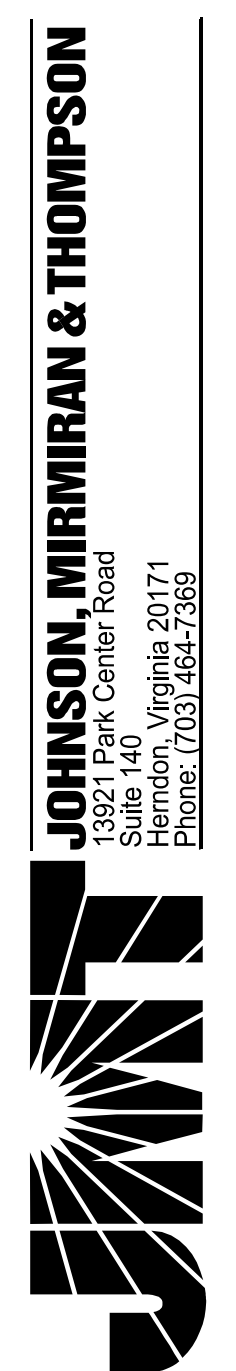
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PROJECT MANAGER *Hoa Lam Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY, DATE *Leon E. Treutle, LS* (703) 259-3224 7/17/13  
 DESIGN BY *JMT Engineering* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, LS* (703) 259-3224 7/17/13

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	21(6)

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

Johnson, Mirmiran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER



PAVEMENT MARKING & PAVEMENT MARKERS LEGEND			
(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE 30" SPACING, 24" WIDTH	(△) ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	(◁) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8" CHARACTER	

REFERENCES (PLAN AND DETAIL SHEETS)	
ROADWAY PLAN	6
SIGN FIGURE DETAILS	21(2A1) - 21(2A2)
SIGN SCHEDULE - PROPOSED	21(2B1) - 21(2B3)
SIGN SCHEDULE - EXISTING	21(2B3)

TRAFFIC CONTROL DEVICE PLANS SIGNING AND PAVEMENT MARKING PLAN	
DUMFRIES / PRINCE WILLIAM COUNTY	PROJECT
SCALE	0 25' 50'
PROJECT	0001-212-249
SHEET NO.	21(6)

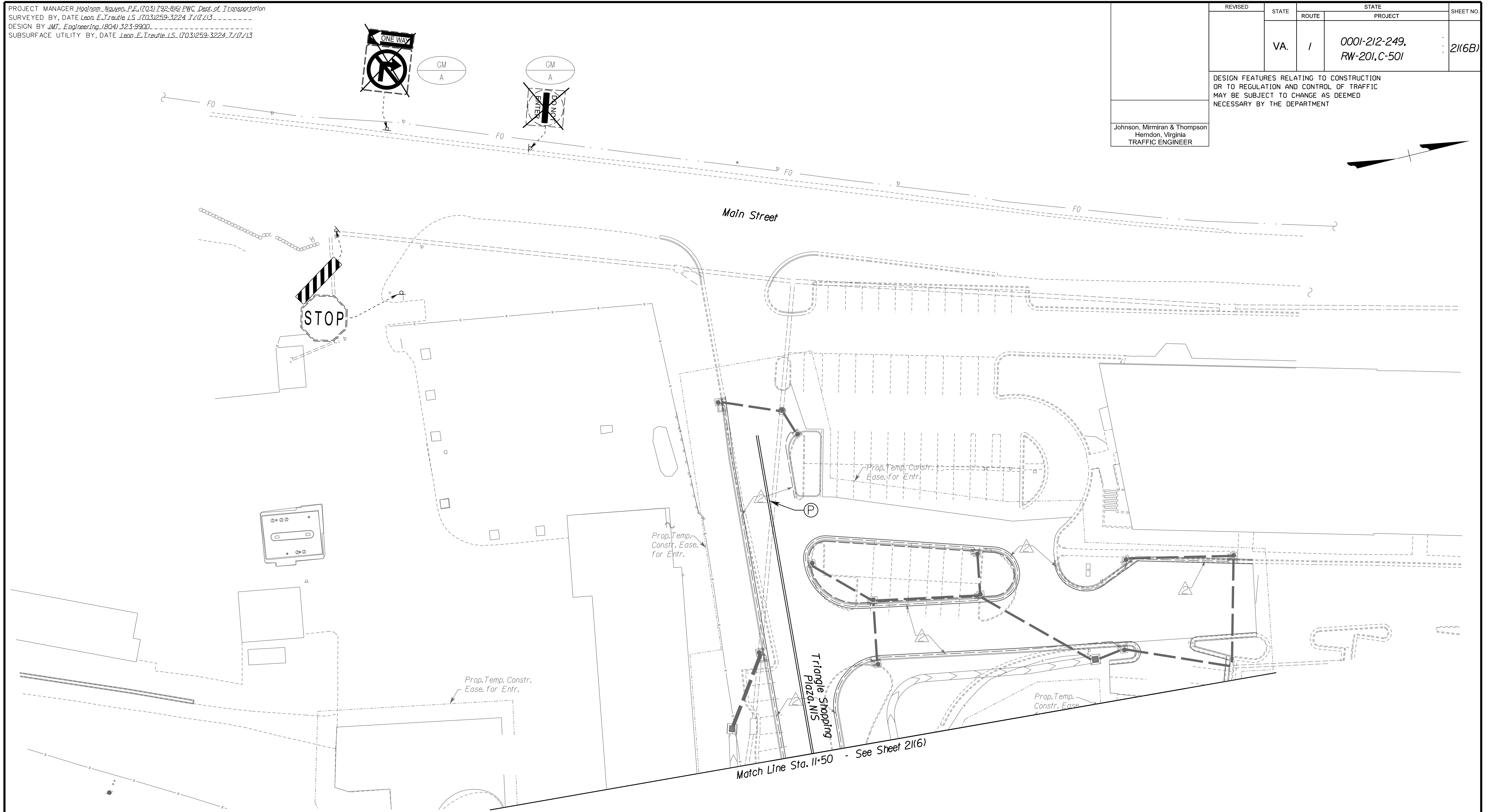
R/W PLANS

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PROJECT MANAGER *HoaLoan\_Nguyen\_P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY, DATE *Leon\_E.Treutle\_L.S.* (703) 259-3224 7/17/13  
 DESIGN BY *JMT\_Engineering* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leon\_E.Treutle\_L.S.* (703) 259-3224 7/17/13

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	21(6B)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia TRAFFIC ENGINEER				



(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE 30" SPACING, 24" WIDTH	(△) ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	(◁) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8' CHARACTER	

REFERENCES (PLAN AND DETAIL SHEETS)		TRAFFIC CONTROL DEVICE PLANS SIGNING AND PAVEMENT MARKING PLAN	
ROADWAY PLAN	6B	DUMFRIES / PRINCE WILLIAM COUNTY	
SIGN FIGURE DETAILS	21(2A1) - 21(2A)2	SCALE	PROJECT
SIGN SCHEDULE - PROPOSED	21(2B)1 - 21(2B)3	0 25' 50'	0001-212-249
SIGN SCHEDULE - EXISTING	21(2B)3		SHEET NO. 21(6B)

**R/W PLANS**

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



PROJECT MANAGER *Hoa Nam Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY, DATE *Leon E. Treutle, LS* (703) 259-3224 7/17/13  
 DESIGN BY *JMT Engineering* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, LS* (703) 259-3224 7/17/13

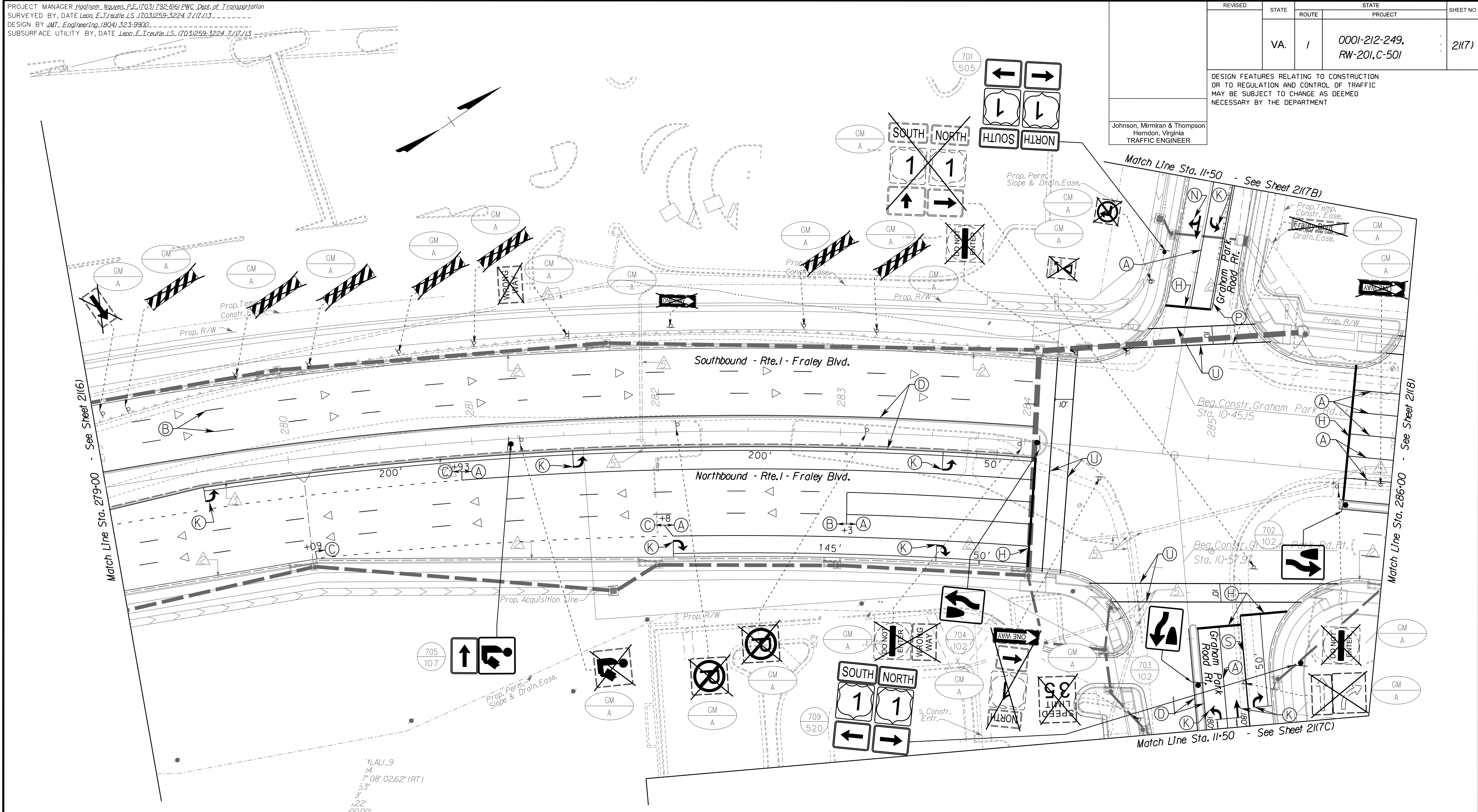


13921 Park Center Road  
 Suite 140  
 Herndon, Virginia 20171  
 Phone: (703) 464-7369

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	1		0001-212-249, RW-201, C-501	21(7)

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

Johnson, Mirmiran & Thompson  
 Herndon, Virginia  
 TRAFFIC ENGINEER



**PAVEMENT MARKING & PAVEMENT MARKERS LEGEND**

- |  |   |   |   |
|--|---|---|---|
| (A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH                                 | (H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH (ULS)    | (O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES              | (W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH |
| (B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)           | (I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH          | (P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH            | (X) ERADICATE PAVEMENT MARKING  |
| (C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)             | (J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")       | (R) TYPE B, CLASS VI, WHITE PAVEMENT LINE 30" SPACING, 24" WIDTH              | ▷ ONE-WAY PLASTIC INLAID MARKER                                       |
| (D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH                                | (K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE | (S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH                     | ◁ TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)                    |
| (E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH                       | (L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW                      | (T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE) |   |
| (F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE) | (M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES       | (U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH                     |   |
| (G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)   | (N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE                  | (V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8' CHARACTER                   |   |

**REFERENCES**  
(PLAN AND DETAIL SHEETS)

ROADWAY PLAN	7
SIGN FIGURE DETAILS	21(2A) - 21(2A)2
SIGN SCHEDULE - PROPOSED	21(2B) - 21(2B)3
SIGN SCHEDULE - EXISTING	21(2B)3
TRAFFIC SIGNAL PLAN	22(4)

**TRAFFIC CONTROL DEVICE PLANS**  
SIGNING AND PAVEMENT MARKING PLAN

DUMFRIES / PRINCE WILLIAM COUNTY

SCALE: 0 25' 50'

PROJECT	0001-212-249
SHEET NO.	21(7)

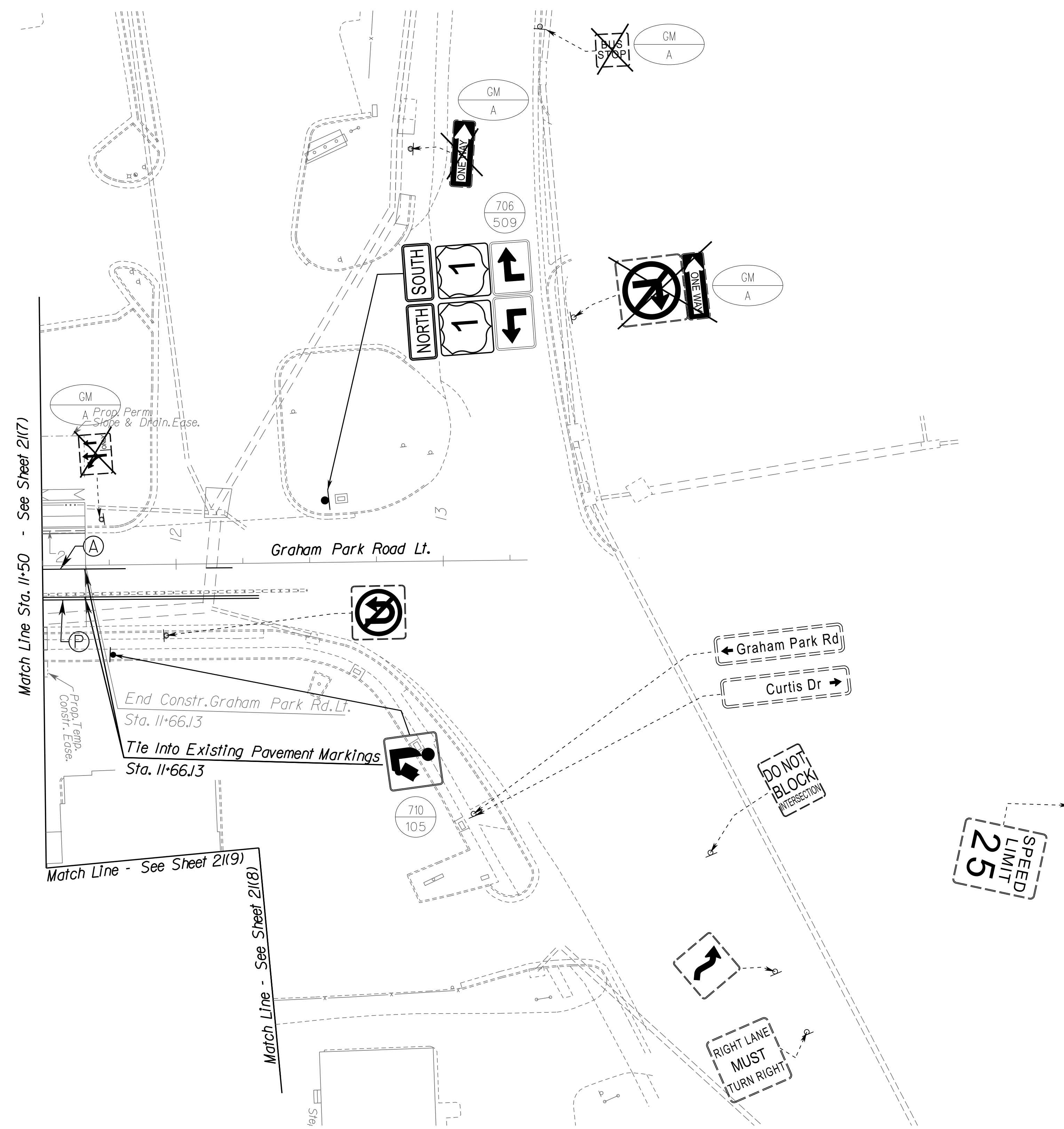
R/W PLANS

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



PROJECT MANAGER *Hoa Tram Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation*  
 SURVEYED BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*  
 DESIGN BY *JMT Engineering, (804) 323-9900*  
 SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	21(7B)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia TRAFFIC ENGINEER				



PAVEMENT MARKING & PAVEMENT MARKERS LEGEND			
(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE 30" SPACING, 24" WIDTH	(◇) ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	(◇) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8' CHARACTER	

REFERENCES (PLAN AND DETAIL SHEETS)	
ROADWAY PLAN	7B
SIGN FIGURE DETAILS	21(2A)1 - 21(2A)2
SIGN SCHEDULE - PROPOSED	21(2B)1 - 21(2B)3
SIGN SCHEDULE - EXISTING	21(2B)3

TRAFFIC CONTROL DEVICE PLANS SIGNING AND PAVEMENT MARKING PLAN	
DUMFRIES / PRINCE WILLIAM COUNTY	
SCALE	PROJECT
0 25' 50'	0001-212-249
	SHEET NO. 21(7B)

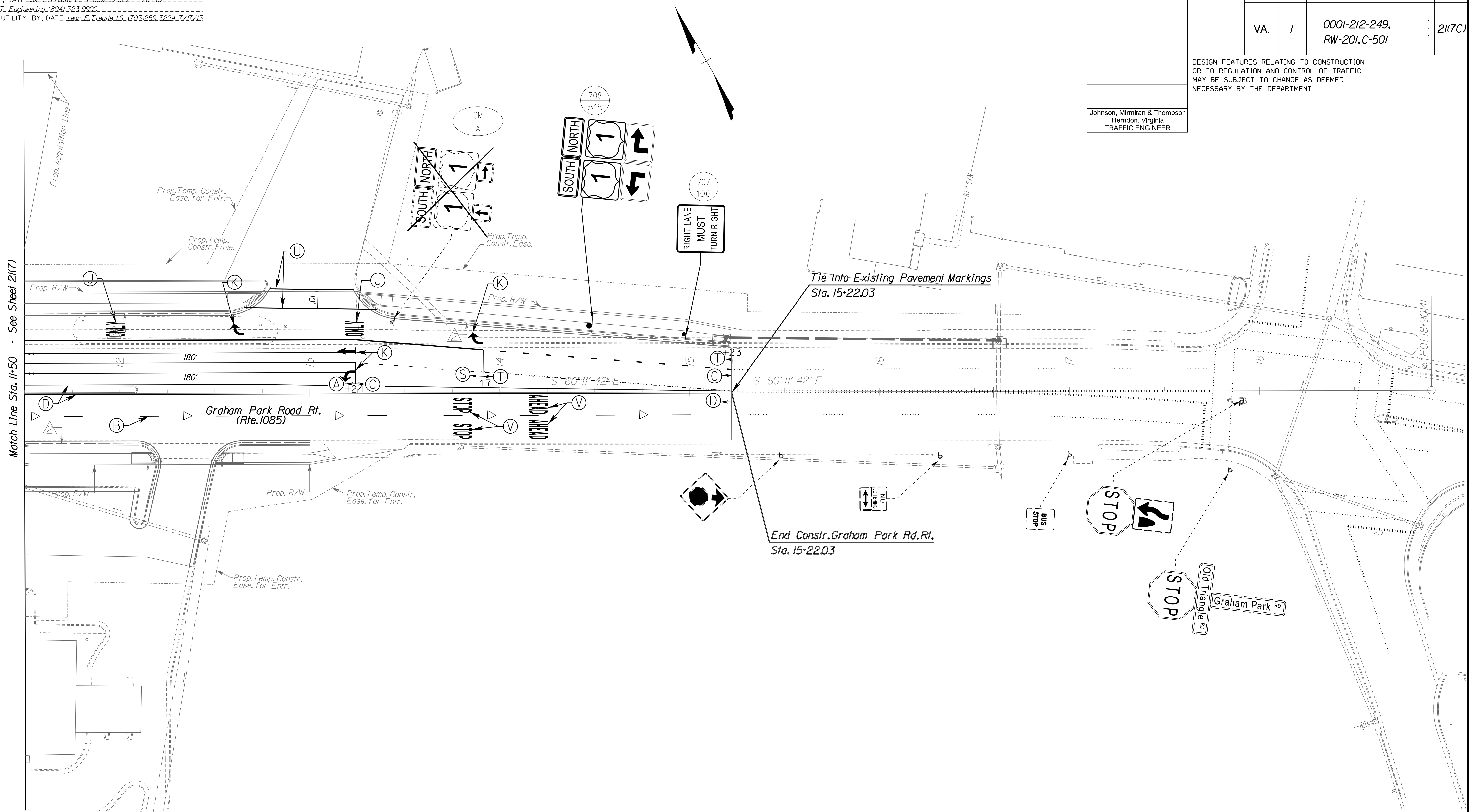
R/W PLANS

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PROJECT MANAGER: *Hoa Lam Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13  
DESIGN BY: *JMT Engineering* (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	2(7C)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Miriran & Thompson Herndon, Virginia TRAFFIC ENGINEER				



PAVEMENT MARKING & PAVEMENT MARKERS LEGEND			
(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE 30" SPACING, 24" WIDTH	(△) ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	(◁ ▷) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8" CHARACTER	

REFERENCES (PLAN AND DETAIL SHEETS)		TRAFFIC CONTROL DEVICE PLANS SIGNING AND PAVEMENT MARKING PLAN	
ROADWAY PLAN	7C	DUMFRIES / PRINCE WILLIAM COUNTY SCALE 0 25' 50' PROJECT 0001-212-249 SHEET NO. 2(7C)	
SIGN FIGURE DETAILS	2(2A1) - 2(2A2)		
SIGN SCHEDULE - PROPOSED	2(2B1) - 2(2B3)		
SIGN SCHEDULE - EXISTING	2(2B3)		

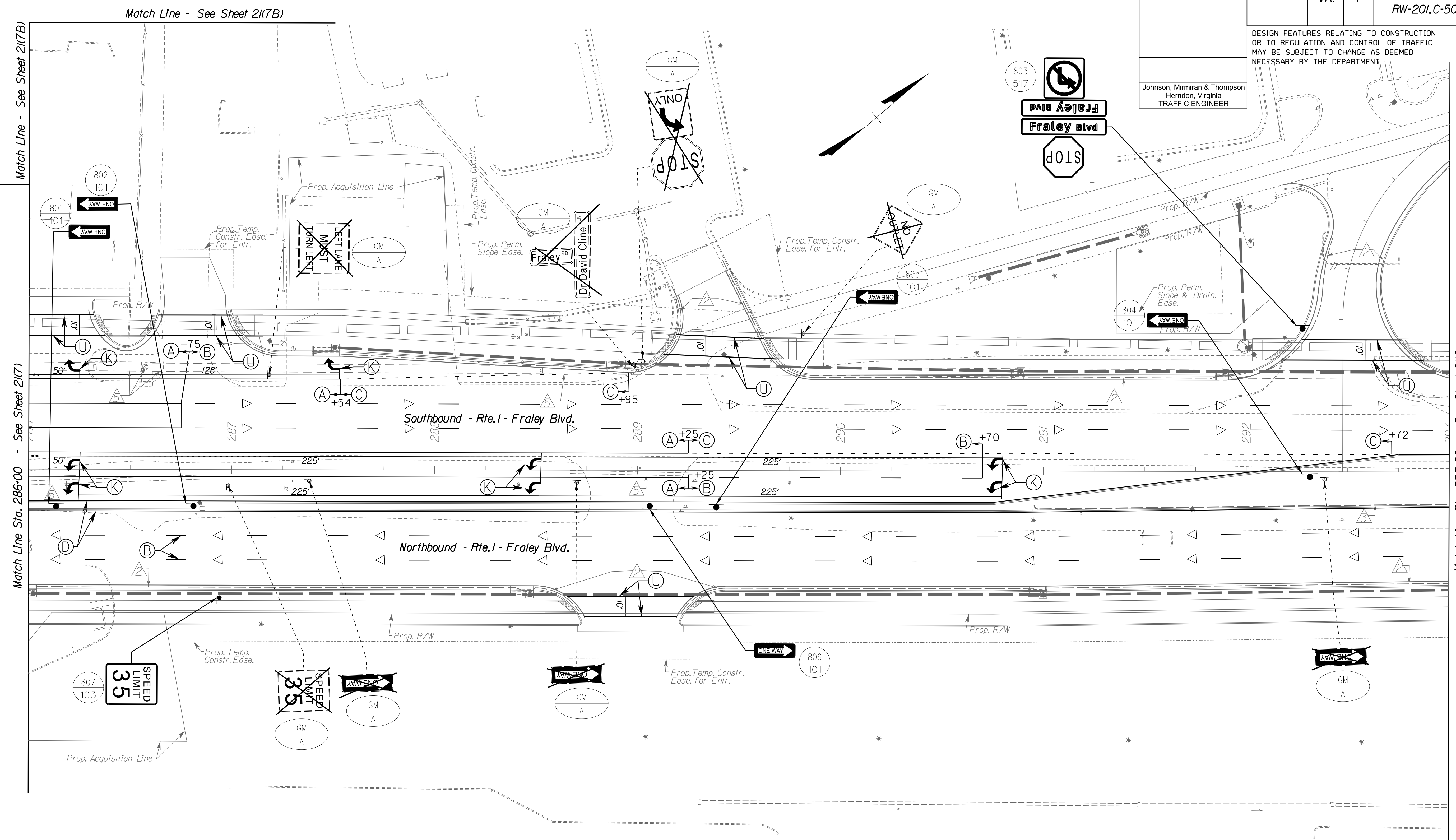
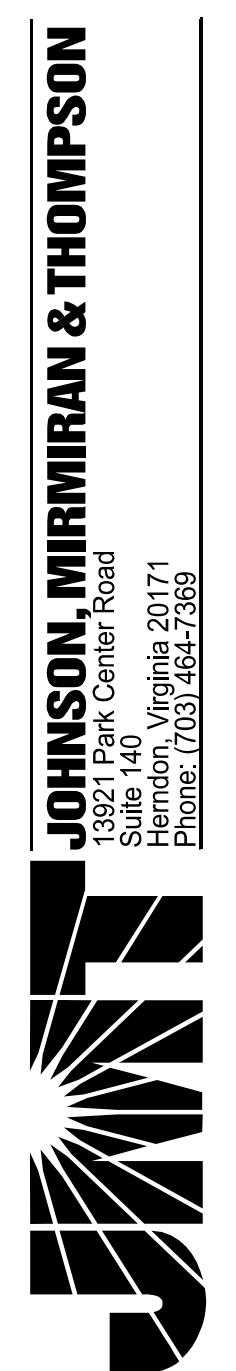


PROJECT MANAGER *Hoodlum Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation*  
 SURVEYED BY, DATE *Leon E. Treutle LS (703) 259-3224 7/17/13*  
 DESIGN BY *JMT Engineering (804) 323-9900*  
 SUBSURFACE UTILITY BY, DATE *Leon E. Treutle LS (703) 259-3224 7/17/13*

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	21(8)

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

Johnson, Mirmiran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER



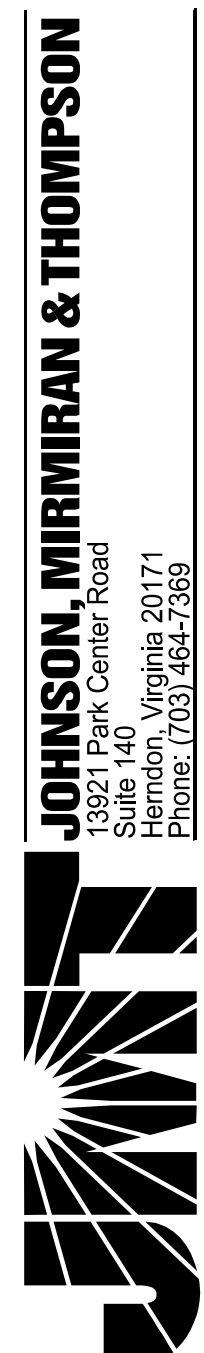
(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 30" SPACING, 24" WIDTH	▷ ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	◁ TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8" CHARACTER	

ROADWAY PLAN	8
SIGN FIGURE DETAILS	21(2A1) - 21(2A2)
SIGN SCHEDULE - PROPOSED	21(2B1) - 21(2B3)
SIGN SCHEDULE - EXISTING	21(2B3)

<b>TRAFFIC CONTROL DEVICE PLANS</b>	
<b>SIGNING AND PAVEMENT MARKING PLAN</b>	
DUMFRIES / PRINCE WILLIAM COUNTY	
SCALE	PROJECT
0 25 50	0001-212-249
	SHEET NO.
	21(8)

R/W PLANS

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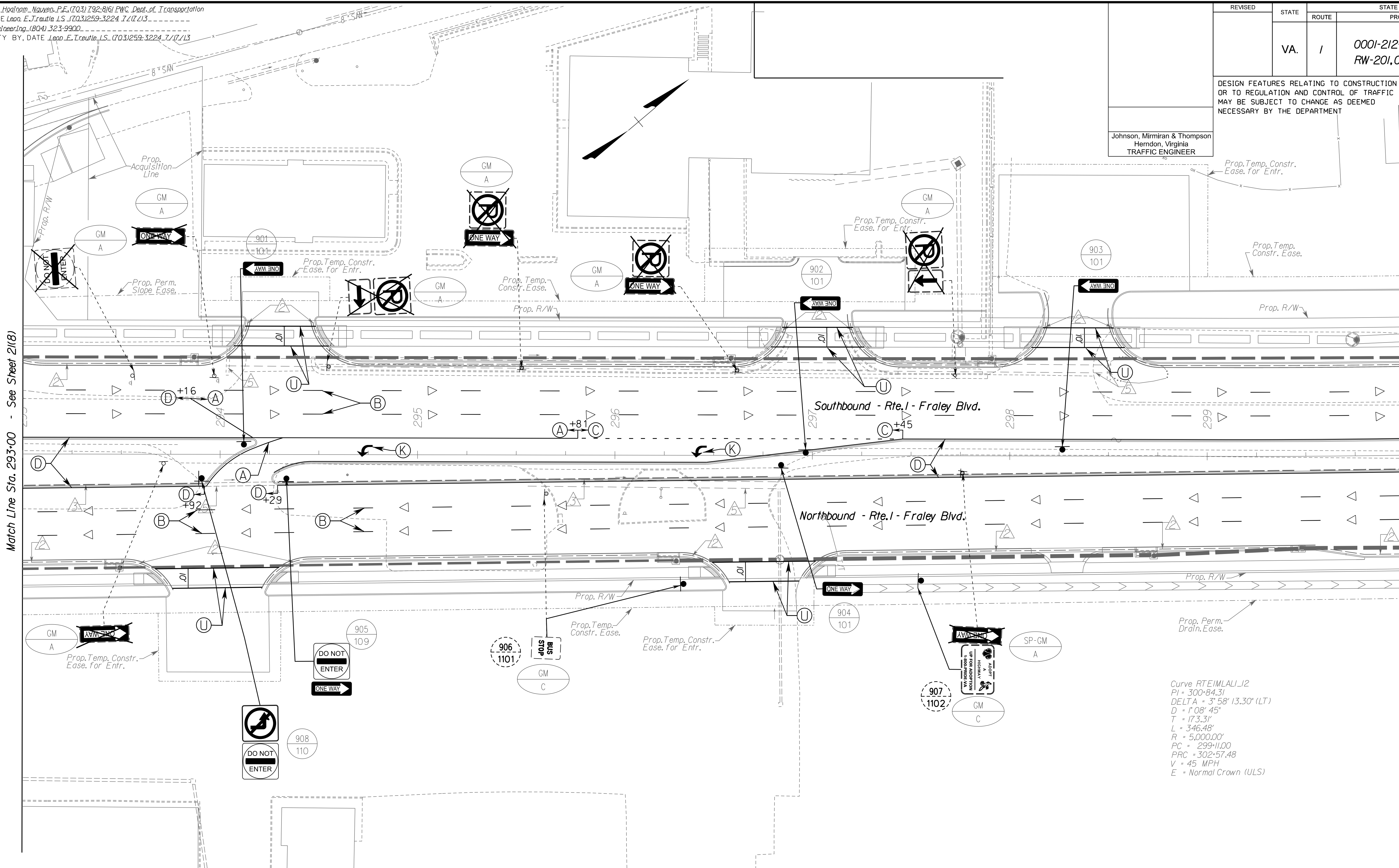


PROJECT MANAGER *Hoa Lam Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation*  
 SURVEYED BY, DATE *Leon E. Treutle LS (703) 259-3224 7/17/13*  
 DESIGN BY *JMT Engineering (804) 323-9900*  
 SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	21(9)

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

Johnson, Mirmiran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER



Curve RTE1MLAL1J2  
 PI = 300+84.31  
 DELTA = 3° 58' 13.30" (LT)  
 D = 1' 08" 45"  
 T = 173.31'  
 L = 346.48'  
 R = 5,000.00'  
 PC = 299+11.00  
 PRC = 302+57.48  
 V = 45 MPH  
 E = Normal Crown (ULS)

PAVEMENT MARKING & PAVEMENT MARKERS LEGEND			
(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE 30" SPACING, 24" WIDTH	(△) ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	(◁) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8' CHARACTER	

REFERENCES (PLAN AND DETAIL SHEETS)	
ROADWAY PLAN	9
SIGN FIGURE DETAILS	21(2A1) - 21(2A2)
SIGN SCHEDULE - PROPOSED	21(2B1) - 21(2B3)
SIGN SCHEDULE - EXISTING	21(2B3)

TRAFFIC CONTROL DEVICE PLANS SIGNING AND PAVEMENT MARKING PLAN	
DUMFRIES / PRINCE WILLIAM COUNTY	PROJECT
SCALE	PROJECT
0 25 50	0001-212-249
SHEET NO.	SHEET NO.
21(9)	21(9)

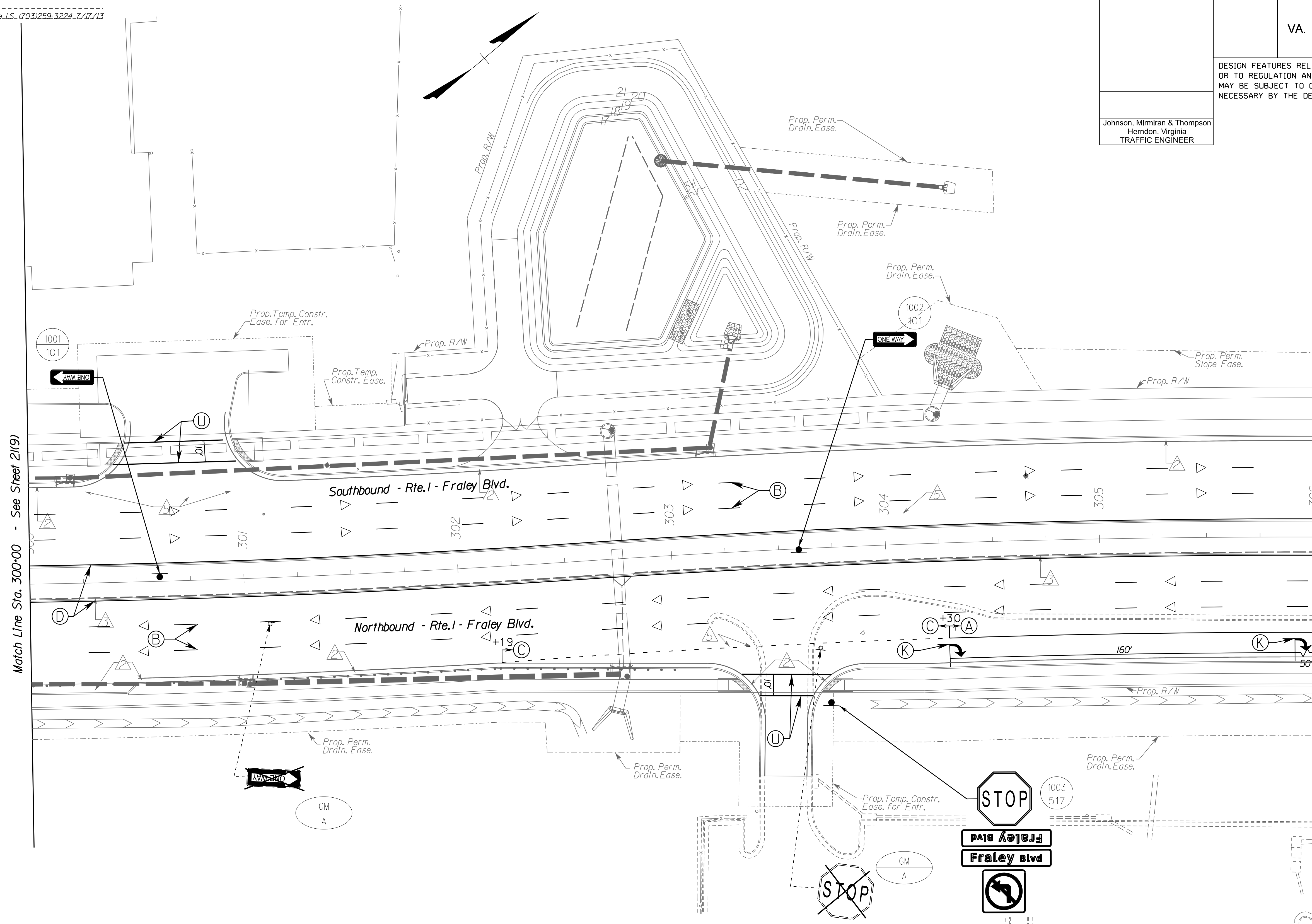
R/W PLANS

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PROJECT MANAGER *Hoa Tram Nguyen, P.E.* (703) 792-8161 *PWC Dept. of Transportation*  
 SURVEYED BY, DATE *Leon E. Treutle, LS* (703) 259-3224 *7/17/13*  
 DESIGN BY *JMT Engineering* (804) 323-9900  
 SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, LS* (703) 259-3224 *7/17/13*

REVISED	STATE	STATE		SHEET NO.
	VA.	ROUTE	PROJECT	
		1	0001-212-249, RW-201, C-501	21(10)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Miriran & Thompson Herndon, Virginia TRAFFIC ENGINEER				



PAVEMENT MARKING & PAVEMENT MARKERS LEGEND			
(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 30" SPACING, 24" WIDTH	(Y) ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	(Z) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8" CHARACTER	

REFERENCES (PLAN AND DETAIL SHEETS)		TRAFFIC CONTROL DEVICE PLANS SIGNING AND PAVEMENT MARKING PLAN	
ROADWAY PLAN	10	DUMFRIES / PRINCE WILLIAM COUNTY SCALE 0 25' 50'	
SIGN FIGURE DETAILS	21(2A1) - 21(2A2)		
SIGN SCHEDULE - PROPOSED	21(2B1) - 21(2B3)		
SIGN SCHEDULE - EXISTING	21(2B3)	PROJECT	SHEET NO.
		0001-212-249	21(10)

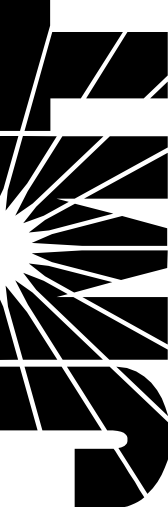
R/W PLANS

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PROJECT MANAGER: *Hoa Lam Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation*  
 SURVEYED BY, DATE: *Leon E. Treutle, LS (703) 259-3224 7/17/13*  
 DESIGN BY: *JMT Engineering, (804) 323-9900*  
 SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS (703) 259-3224 7/17/13*

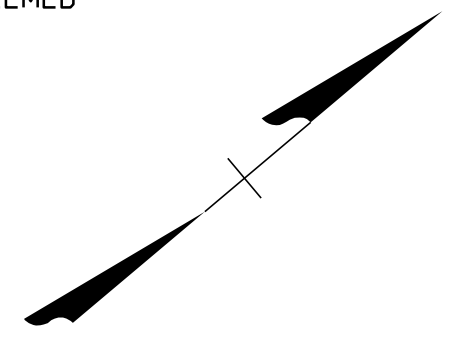
**JOHNSON, MIRIRAN & THOMPSON**  
 13921 Park Center Road  
 Suite 140  
 Herndon, Virginia 20171  
 Phone: (703) 464-7369



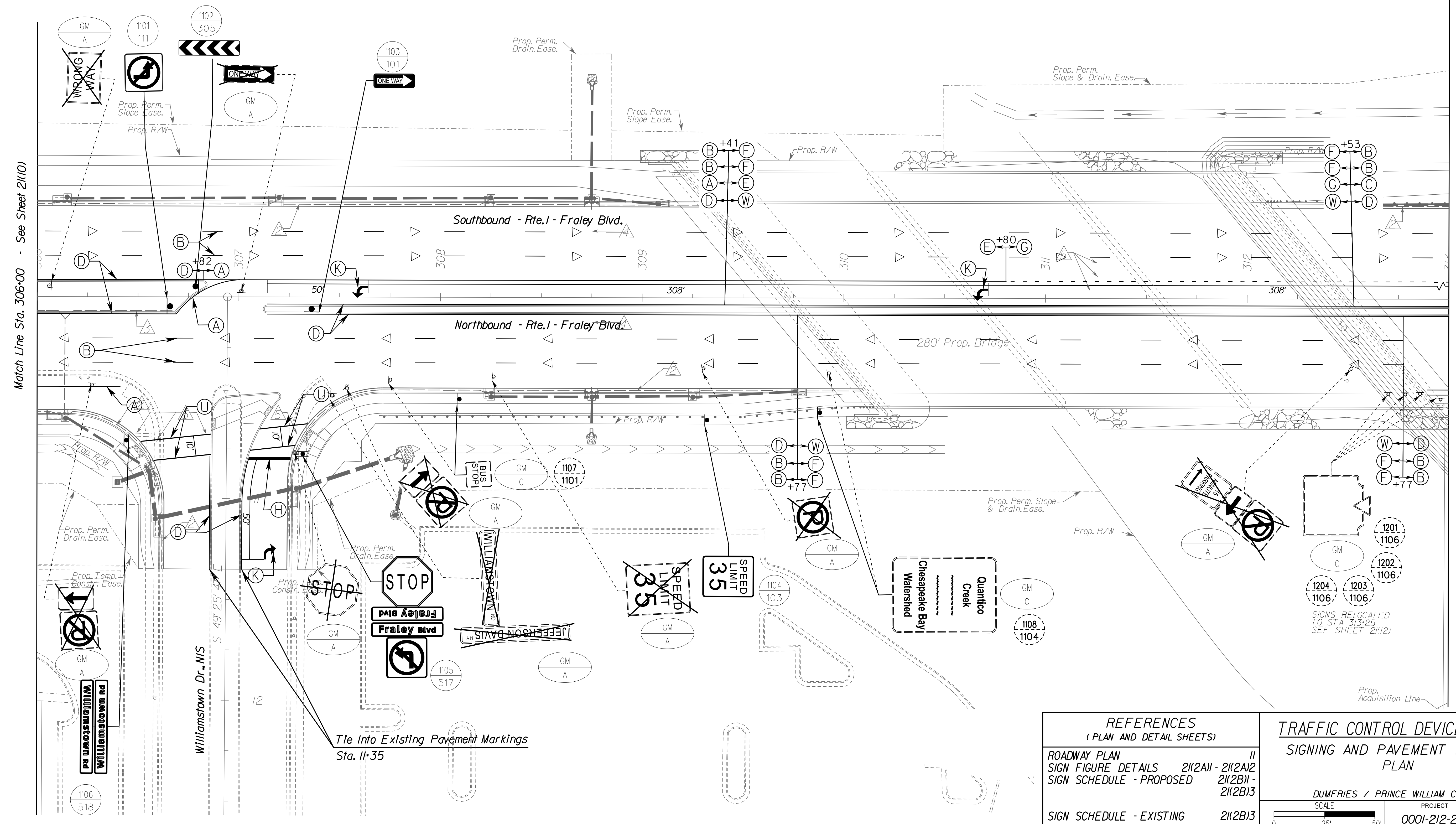
REVISED	STATE		SHEET NO.
	ROUTE	PROJECT	
	VA.	0001-212-249, RW-201, C-501	2(111)

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

Johnson, Miriran & Thompson  
 Herndon, Virginia  
 TRAFFIC ENGINEER



(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE 30" SPACING, 24" WIDTH	(▷) ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	(◁) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8' CHARACTER	



Match Line Sta. 306+00 - See Sheet 2(110)

Match Line Sta. 313+00 - See Sheet 2(112)

REFERENCES (PLAN AND DETAIL SHEETS)	TRAFFIC CONTROL DEVICE PLANS SIGNING AND PAVEMENT MARKING PLAN
ROADWAY PLAN II	
SIGN FIGURE DETAILS 2(2A1) - 2(2A2)	
SIGN SCHEDULE - PROPOSED 2(2B1) - 2(2B3)	
SIGN SCHEDULE - EXISTING 2(2B3)	

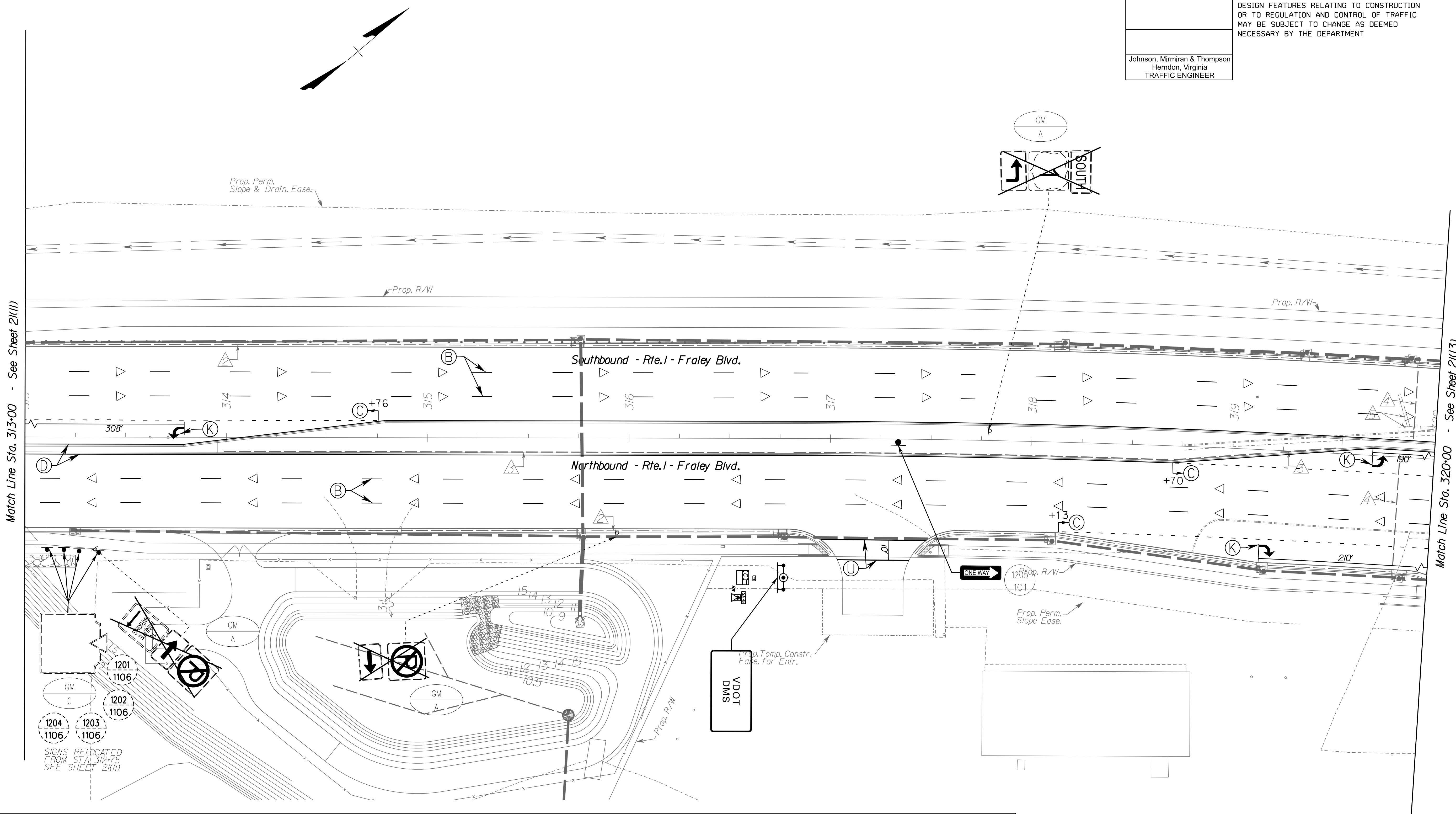
DUMFRIES / PRINCE WILLIAM COUNTY		PROJECT 0001-212-249	SHEET NO. 2(111)
SCALE 0 25' 50'			

R/W PLANS

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

PROJECT MANAGER *HoaLoan.Nguyen, P.E. (703) 792-8161 PWC, Dept. of Transportation*  
SURVEYED BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*  
DESIGN BY *JMT Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*

REVISED	STATE	STATE		SHEET NO.
	VA.	ROUTE 1	PROJECT 0001-212-249, RW-201, C-501, B-xxx	
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia TRAFFIC ENGINEER				



PAVEMENT MARKING & PAVEMENT MARKERS LEGEND			
(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 30" SPACING, 24" WIDTH	(V) ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	(W) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8" CHARACTER	

REFERENCES (PLAN AND DETAIL SHEETS)	
ROADWAY PLAN	12
SIGN FIGURE DETAILS	21(2A)1 - 21(2A)2
SIGN SCHEDULE - PROPOSED	21(2B)1 - 21(2B)3
SIGN SCHEDULE - EXISTING	21(2B)3
DMS PLAN	22(6)

TRAFFIC CONTROL DEVICE PLANS SIGNING AND PAVEMENT MARKING PLAN	
DUMFRIES / PRINCE WILLIAM COUNTY	PROJECT
SCALE	PROJECT 0001-212-249
0 25 50	SHEET NO. 21(12)

R/W PLANS

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







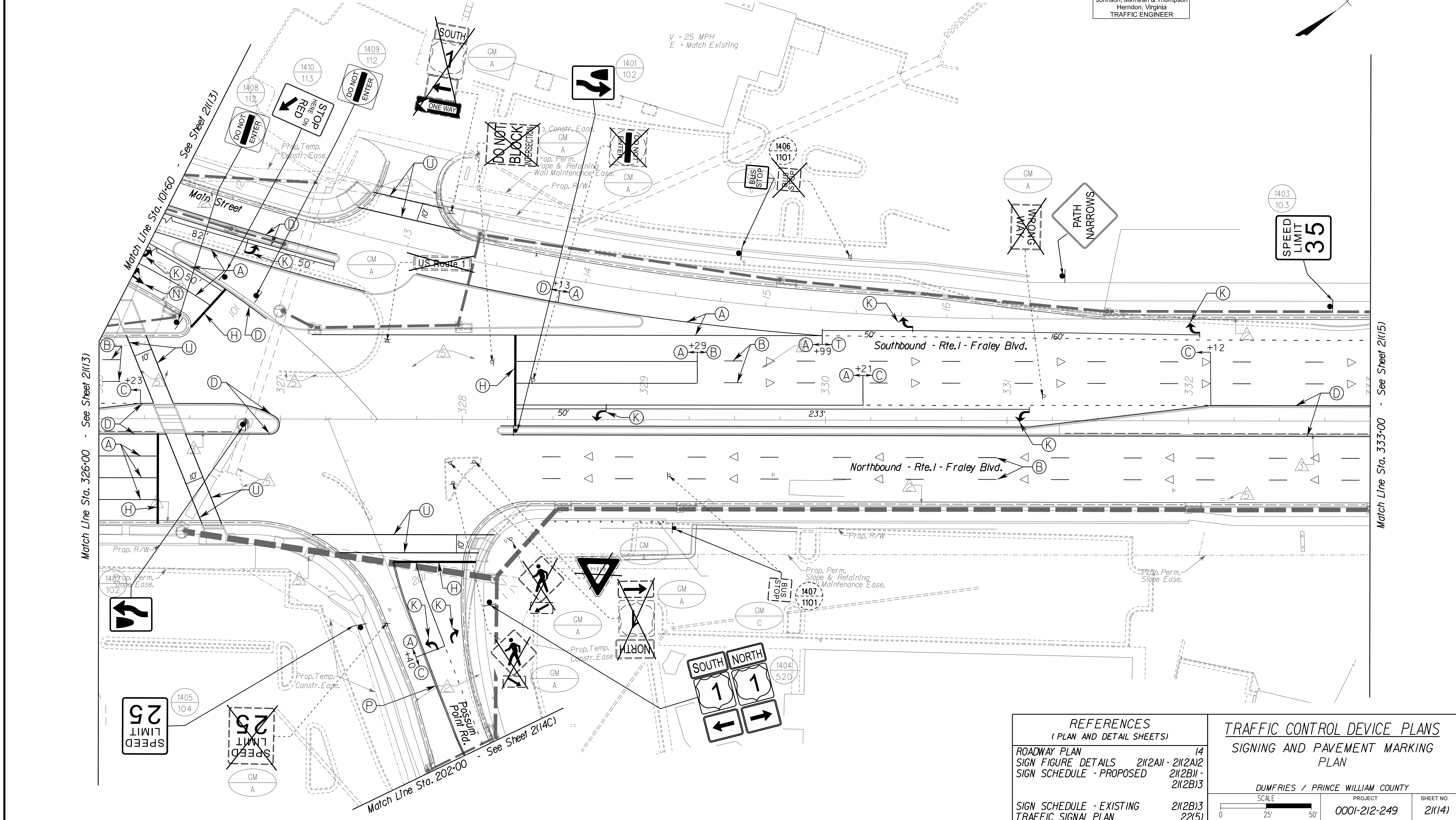
PROJECT MANAGER *HoaLoan\_Nguyen\_P.E. (703) 792-8161 PWC Dept. of Transportation*  
SURVEYED BY, DATE *Leon\_E.Treutle LS (703) 323-3224 7/17/13*  
DESIGN BY *JMT\_Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE *Leon\_E.Treutle LS (703) 323-3224 7/17/13*

PAVEMENT MARKING & PAVEMENT MARKERS LEGEND			
(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE 30' SPACING, 24" WIDTH	(Y) ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	(Z) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8' CHARACTER	

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	2(14)

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

Johnson, Miriran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER



REFERENCES (PLAN AND DETAIL SHEETS)	TRAFFIC CONTROL DEVICE PLANS SIGNING AND PAVEMENT MARKING PLAN
ROADWAY PLAN 14	DUMFRIES / PRINCE WILLIAM COUNTY
SIGN FIGURE DETAILS 21(2A)1 - 21(2A)2	SCALE 0 25 50
SIGN SCHEDULE - PROPOSED 21(2B)1 - 21(2B)3	PROJECT 0001-212-249
SIGN SCHEDULE - EXISTING 21(2B)3	SHEET NO. 2(14)
TRAFFIC SIGNAL PLAN 22(5)	

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

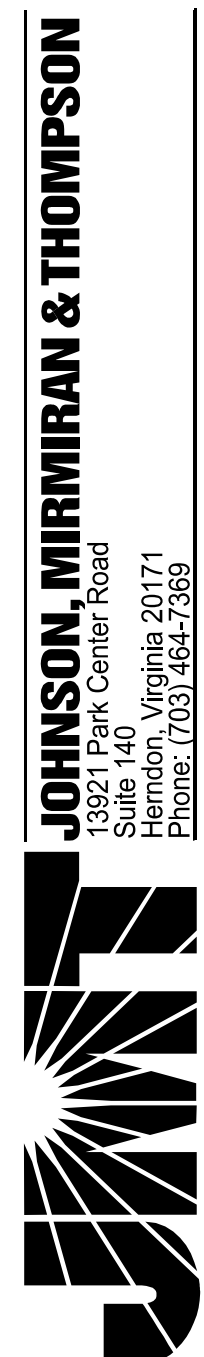
PROJECT MANAGER *Hadiroam Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
 SURVEYED BY, DATE *Leon E. Treutle, LS* (703) 259-3224 7/17/13  
 DESIGN BY *JMT Engineering, (804) 323-9900*  
 SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, LS* (703) 259-3224 7/17/13

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1	0001-212-249, RW-201, C-501	21(14C)

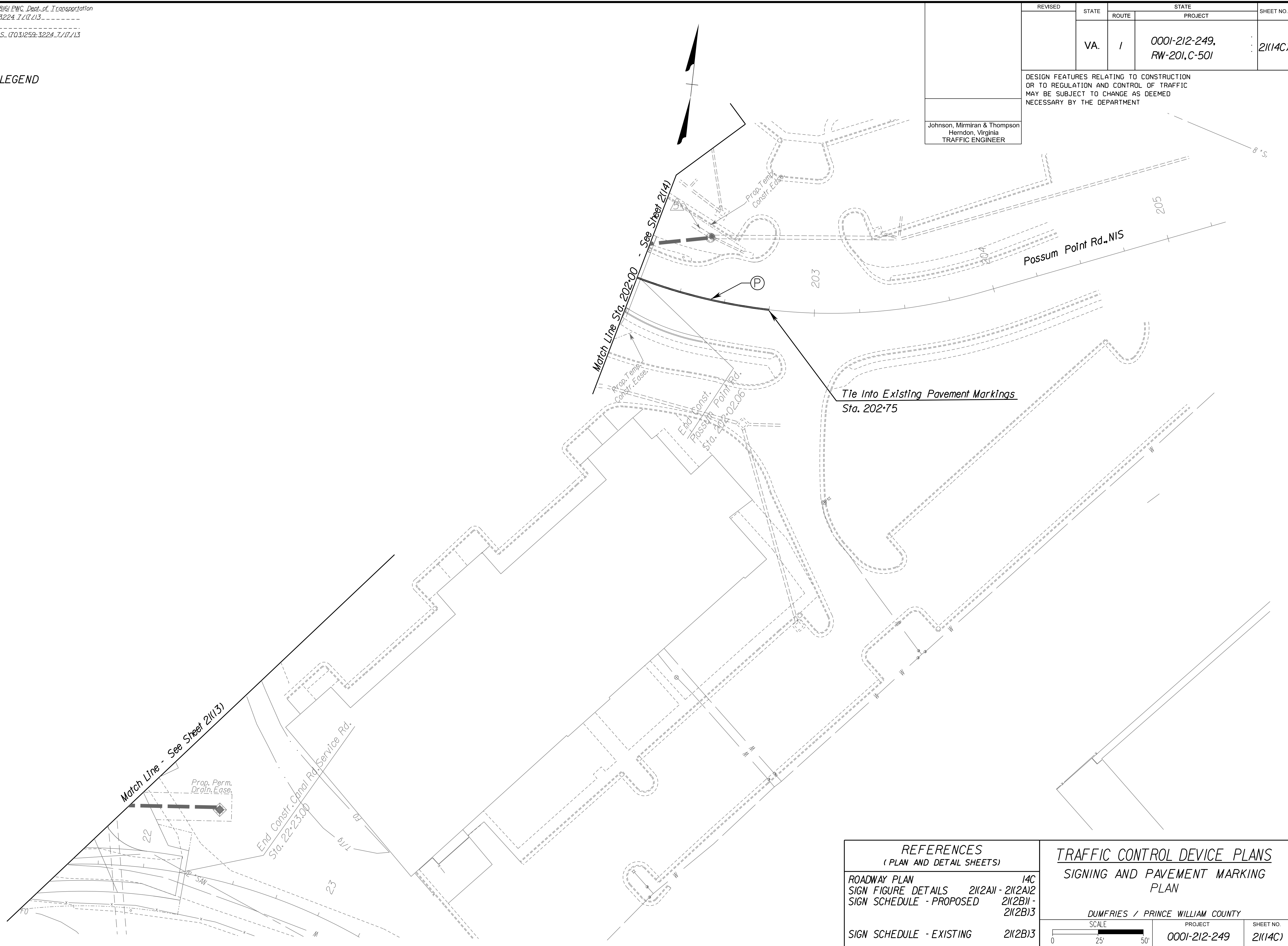
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirmiran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER

FOR PAVEMENT MARKING LEGEND  
SEE SHEET 21(14)



13921 Park Center Road  
Suite 140  
Herndon, Virginia 20171  
Phone: (703) 464-7369



REFERENCES (PLAN AND DETAIL SHEETS)	
ROADWAY PLAN	14C
SIGN FIGURE DETAILS	21(2A1) - 21(2A2)
SIGN SCHEDULE - PROPOSED	21(2B1) - 21(2B3)
SIGN SCHEDULE - EXISTING	21(2B3)

**TRAFFIC CONTROL DEVICE PLANS**  
SIGNING AND PAVEMENT MARKING PLAN

DUMFRIES / PRINCE WILLIAM COUNTY

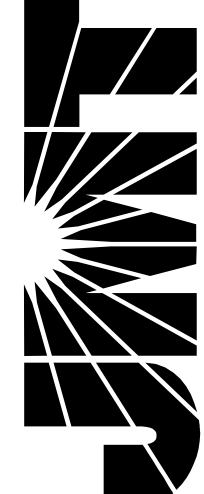
SCALE: 0 25' 50'

PROJECT	0001-212-249	SHEET NO.	21(14C)
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R/W PLANS

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



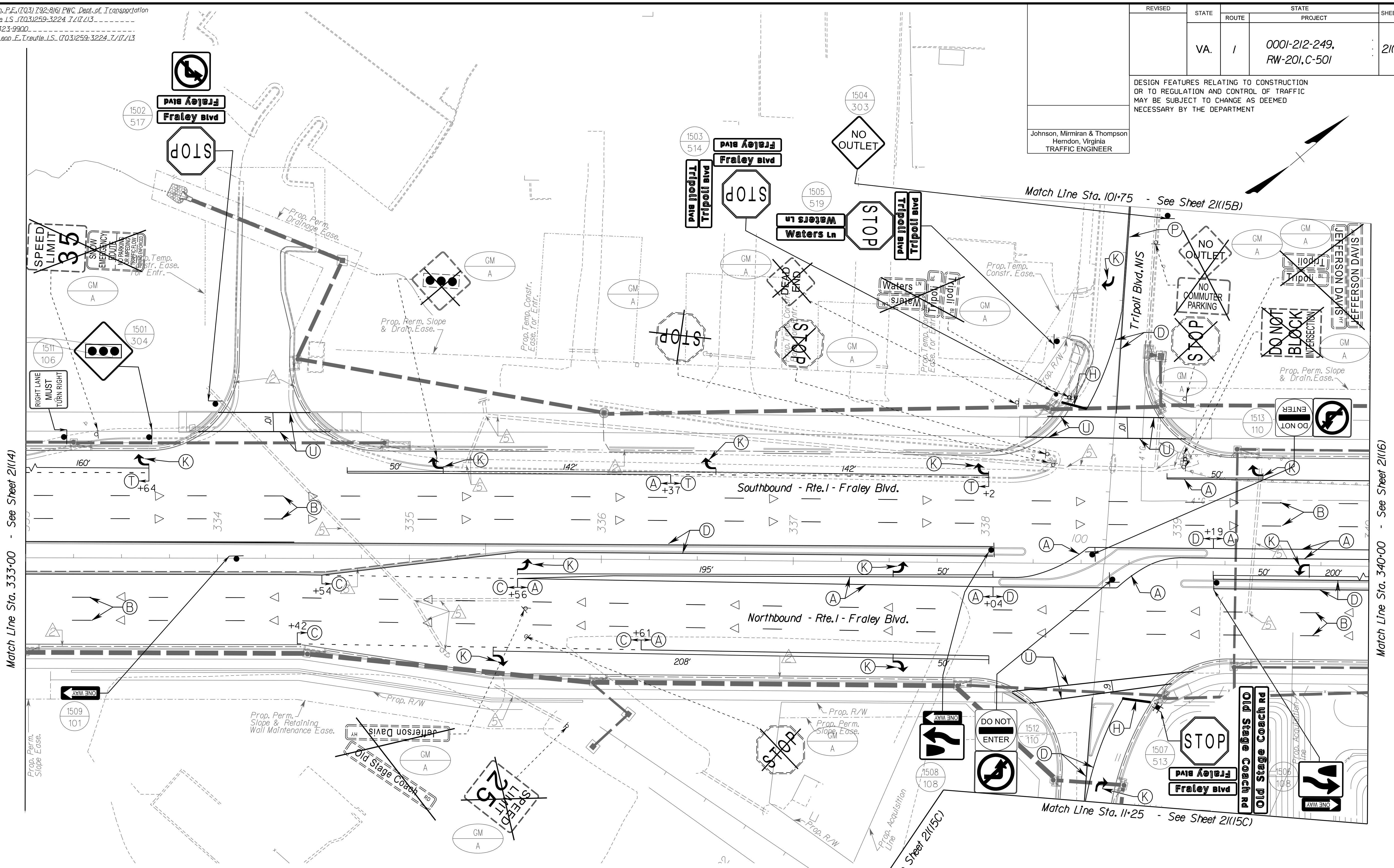


PROJECT MANAGER: *Hoa Tram Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13  
DESIGN BY: *JMT Engineering* (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	21(15)

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

Johnson, Mirmiran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER



(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(D) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING 8" WIDTH	(△) ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	(◁) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8" CHARACTER	

ROADWAY PLAN	15
SIGN FIGURE DETAILS	21(2A1) - 21(2A2)
SIGN SCHEDULE - PROPOSED	21(2B1) - 21(2B3)
SIGN SCHEDULE - EXISTING	21(2B3)

**TRAFFIC CONTROL DEVICE PLANS**  
SIGNING AND PAVEMENT MARKING PLAN

DUMFRIES / PRINCE WILLIAM COUNTY	
SCALE	PROJECT
0 25 50	0001-212-249
	SHEET NO.
	21(15)

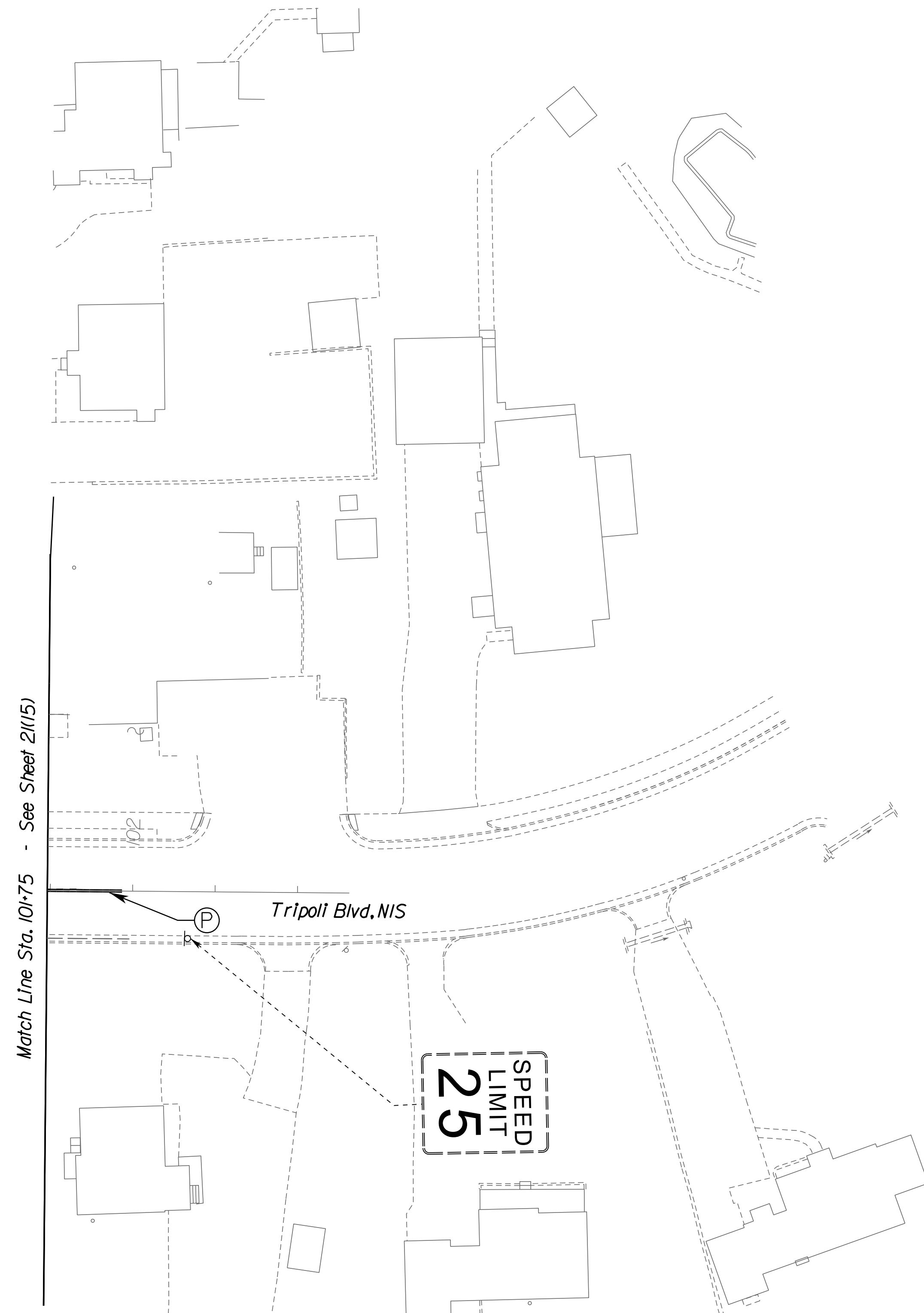
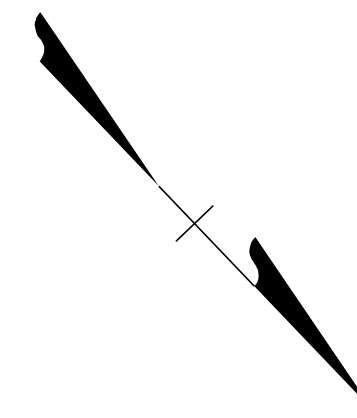
R/W PLANS

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



PROJECT MANAGER *HoaLoan\_Nguyen\_P.E. (703) 792-8161 PWC Dept. of Transportation*  
SURVEYED BY, DATE *Leon\_E.Treutle LS (703) 259-3224 7/17/13*  
DESIGN BY *JMT\_Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE *Leon\_E.Treutle LS (703) 259-3224 7/17/13*

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1	0001-212-249, RW-201, C-501	21115B
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia TRAFFIC ENGINEER				



**PAVEMENT MARKING & PAVEMENT MARKERS LEGEND**

- |  |   |   |   |
|--|---|---|---|
| (A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH                                 | (H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH          | (O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES              | (W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH |
| (B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)           | (I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH          | (P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH            | (X) ERADICATE PAVEMENT MARKING  |
| (C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)             | (J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")       | (R) TYPE B, CLASS VI, WHITE PAVEMENT LINE 30" SPACING, 24" WIDTH              | (▷) ONE-WAY PLASTIC INLAID MARKER                                     |
| (D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH                                | (K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE | (S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH                     | (◁) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)                  |
| (E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH                       | (L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW                      | (T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE) |   |
| (F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE) | (M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES       | (U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH                     |   |
| (G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)   | (N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE                  | (V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8' CHARACTER                   |   |

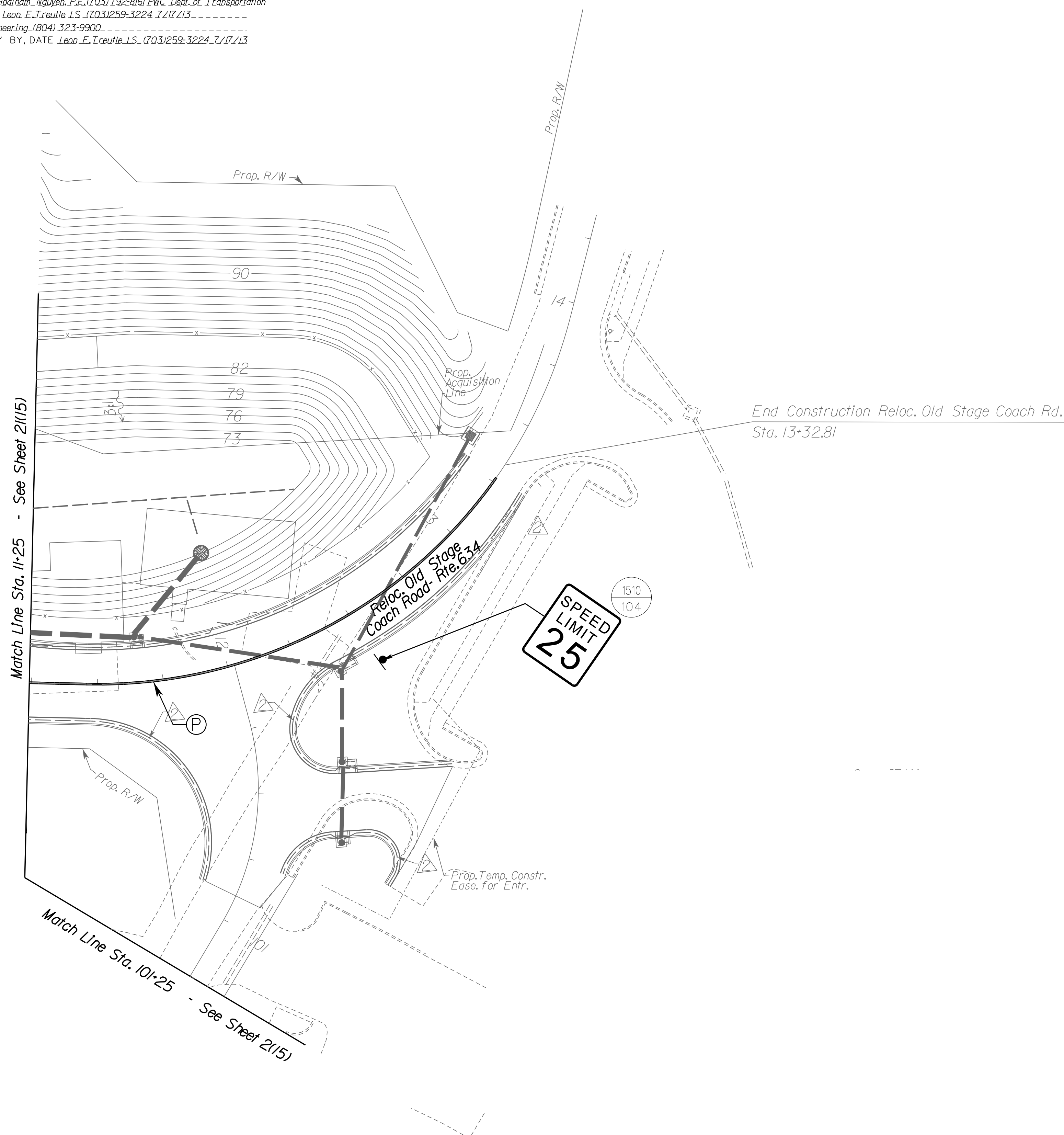
<b>REFERENCES</b> (PLAN AND DETAIL SHEETS)		<b>TRAFFIC CONTROL DEVICE PLANS</b> SIGNING AND PAVEMENT MARKING PLAN	
ROADWAY PLAN	15B	DUMFRIES / PRINCE WILLIAM COUNTY SCALE: 0 25' 50' PROJECT: 0001-212-249 SHEET NO.: 21115B	
SIGN FIGURE DETAILS	21(2A1) - 21(2A2)		
SIGN SCHEDULE - PROPOSED	21(2B1) - 21(2B3)		
SIGN SCHEDULE - EXISTING	21(2B3)		

R/W PLANS

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

PROJECT MANAGER *HoaLoan.Nguyen.P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE *Leon.E.Treutle.L.S.* (703) 259-3224 7/17/13  
DESIGN BY *JMT\_Engineering* (804) 323-9900  
SUBSURFACE UTILITY BY, DATE *Leon.E.Treutle.L.S.* (703) 259-3224 7/17/13

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1	0001-212-249, RW-201, C-501	211(15C)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia TRAFFIC ENGINEER				



- (A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH
- (B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)
- (C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)
- (D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH
- (E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH
- (F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)
- (G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)

**PAVEMENT MARKING & PAVEMENT MARKERS LEGEND**

- (H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH
- (I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH
- (J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")
- (K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE
- (L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW
- (M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES
- (N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE

- (O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES
- (P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH
- (R) TYPE B, CLASS VI, WHITE PAVEMENT LINE 30" SPACING, 24" WIDTH
- (S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH
- (T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)
- (U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH
- (V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8" CHARACTER

- (W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
- (X) ERADICATE PAVEMENT MARKING
- (Y) ONE-WAY PLASTIC INLAID MARKER
- (Z) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)

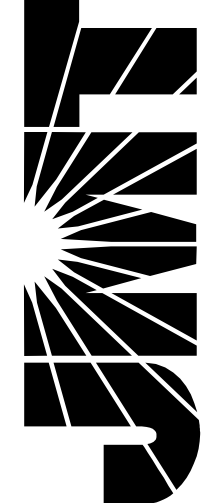
REFERENCES (PLAN AND DETAIL SHEETS)	
ROADWAY PLAN	15C
SIGN FIGURE DETAILS	21(2A1) - 21(2A2)
SIGN SCHEDULE - PROPOSED	21(2B1) - 21(2B13)
SIGN SCHEDULE - EXISTING	21(2B13)

**TRAFFIC CONTROL DEVICE PLANS  
SIGNING AND PAVEMENT MARKING  
PLAN**

DUMFRIES / PRINCE WILLIAM COUNTY		PROJECT 0001-212-249	SHEET NO. 211(15C)
SCALE 0 25' 50'			

R/W PLANS

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

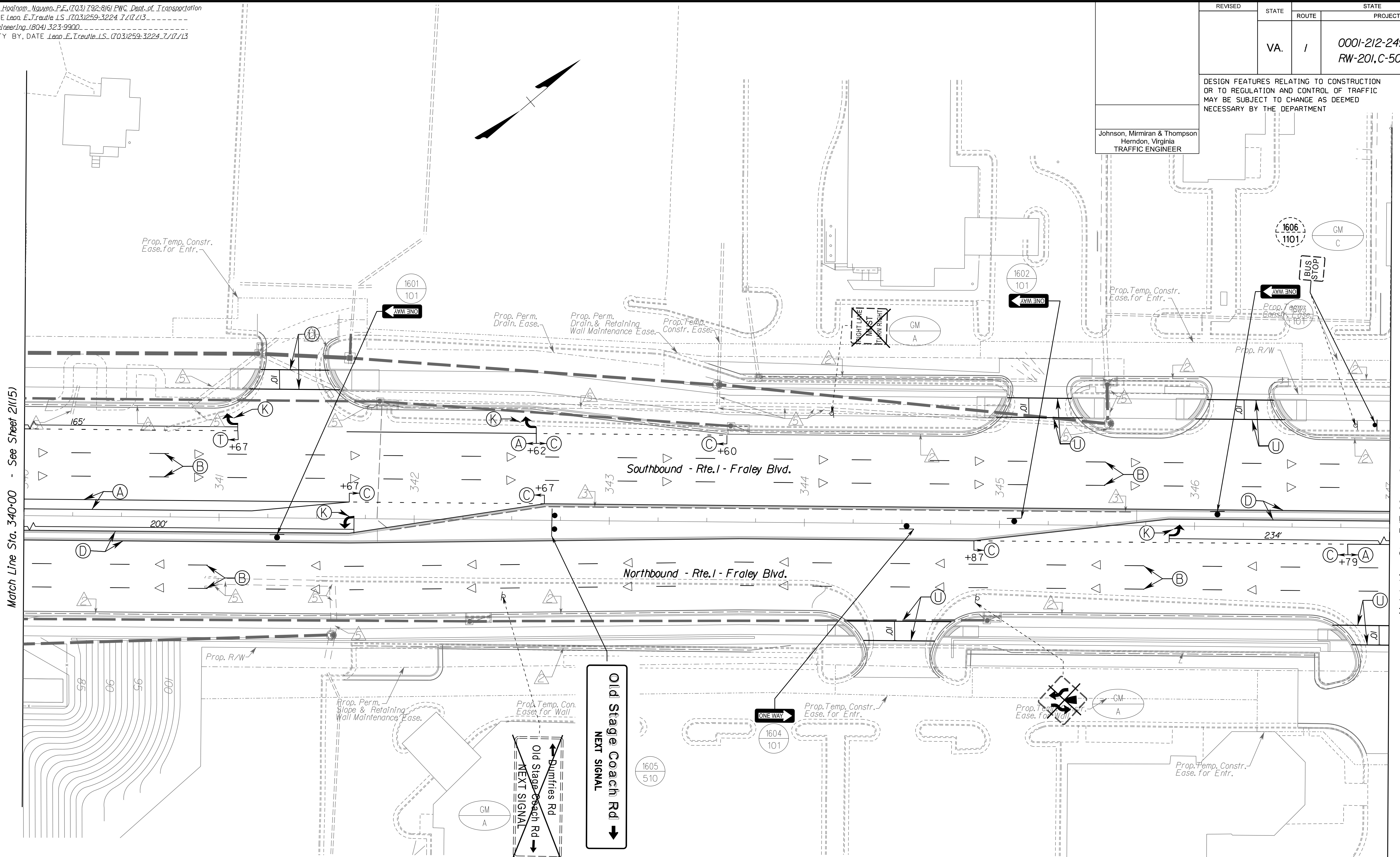


PROJECT MANAGER: *Hoodam Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13  
DESIGN BY: *JMT Engineering* (804) 323-9900  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	21(16)

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

Johnson, Mirmiran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER



Match Line Sta. 340+00 - See Sheet 21(15)

Match Line Sta. 347+00 - See Sheet 21(17)

**PAVEMENT MARKING & PAVEMENT MARKERS LEGEND**

- |  |   |   |   |
|--|---|---|---|
| (A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH                                 | (H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH          | (O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES              | (W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH |
| (B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)           | (I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH          | (P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH            | (X) ERADICATE PAVEMENT MARKING  |
| (C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)             | (J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")       | (R) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 30" SPACING, 24" WIDTH     | ▷ ONE-WAY PLASTIC INLAID MARKER                                       |
| (D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH                                | (K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE | (S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH                     | ◁ TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)                    |
| (E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH                       | (L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW                      | (T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE) |   |
| (F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE) | (M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES       | (U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH                     |   |
| (G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)   | (N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE                  | (V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8" CHARACTER                   |   |

REFERENCES (PLAN AND DETAIL SHEETS)	
ROADWAY PLAN	16
SIGN FIGURE DETAILS	21(2A1) - 21(2A2)
SIGN SCHEDULE - PROPOSED	21(2B1) - 21(2B3)
SIGN SCHEDULE - EXISTING	21(2B3)

**TRAFFIC CONTROL DEVICE PLANS  
SIGNING AND PAVEMENT MARKING PLAN**

DUMFRIES / PRINCE WILLIAM COUNTY	
SCALE	PROJECT
0 25' 50'	0001-212-249
	SHEET NO.
	21(16)

**R/W PLANS**

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

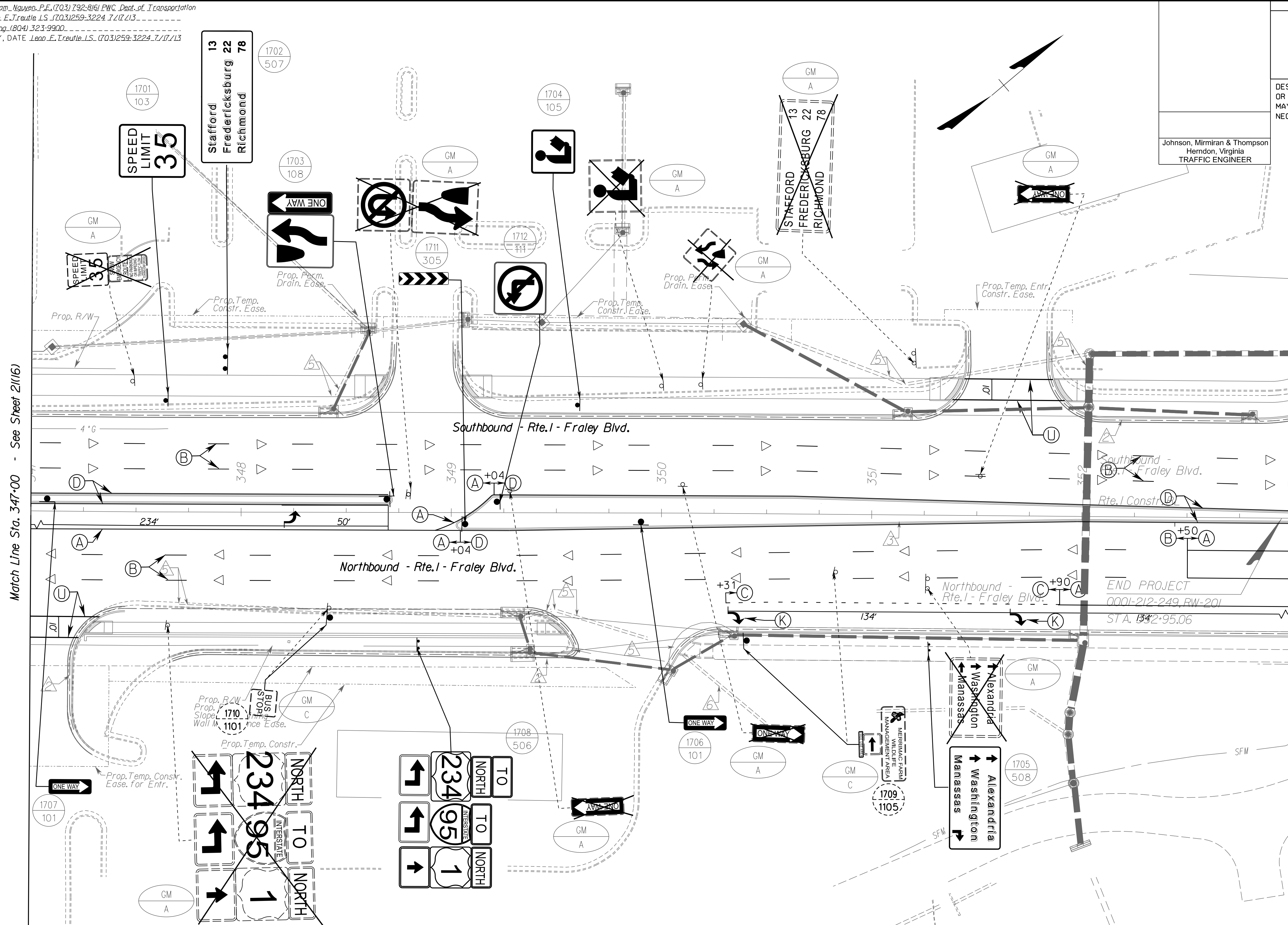


PROJECT MANAGER: *Hoa Lam Nguyen, P.E.* (703) 792-8161 PWC Dept. of Transportation  
SURVEYED BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13  
DESIGN BY: *JMT Engineering, (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS* (703) 259-3224 7/17/13

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	21(17)

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

Johnson, Miriran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER



Match Line Sta. 347+00 - See Sheet 21(16)

Match Line Sta. 353+00 - See Sheet 21(18)

(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30" SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6" SPACE)	(J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 30" SPACING, 24" WIDTH	(Y) ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	(Z) TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9" SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30" SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6" SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8" CHARACTER	

ROADWAY PLAN	17
SIGN FIGURE DETAILS	21(2A1) - 21(2A2)
SIGN SCHEDULE - PROPOSED	21(2B1) - 21(2B3)
SIGN SCHEDULE - EXISTING	21(2B3)

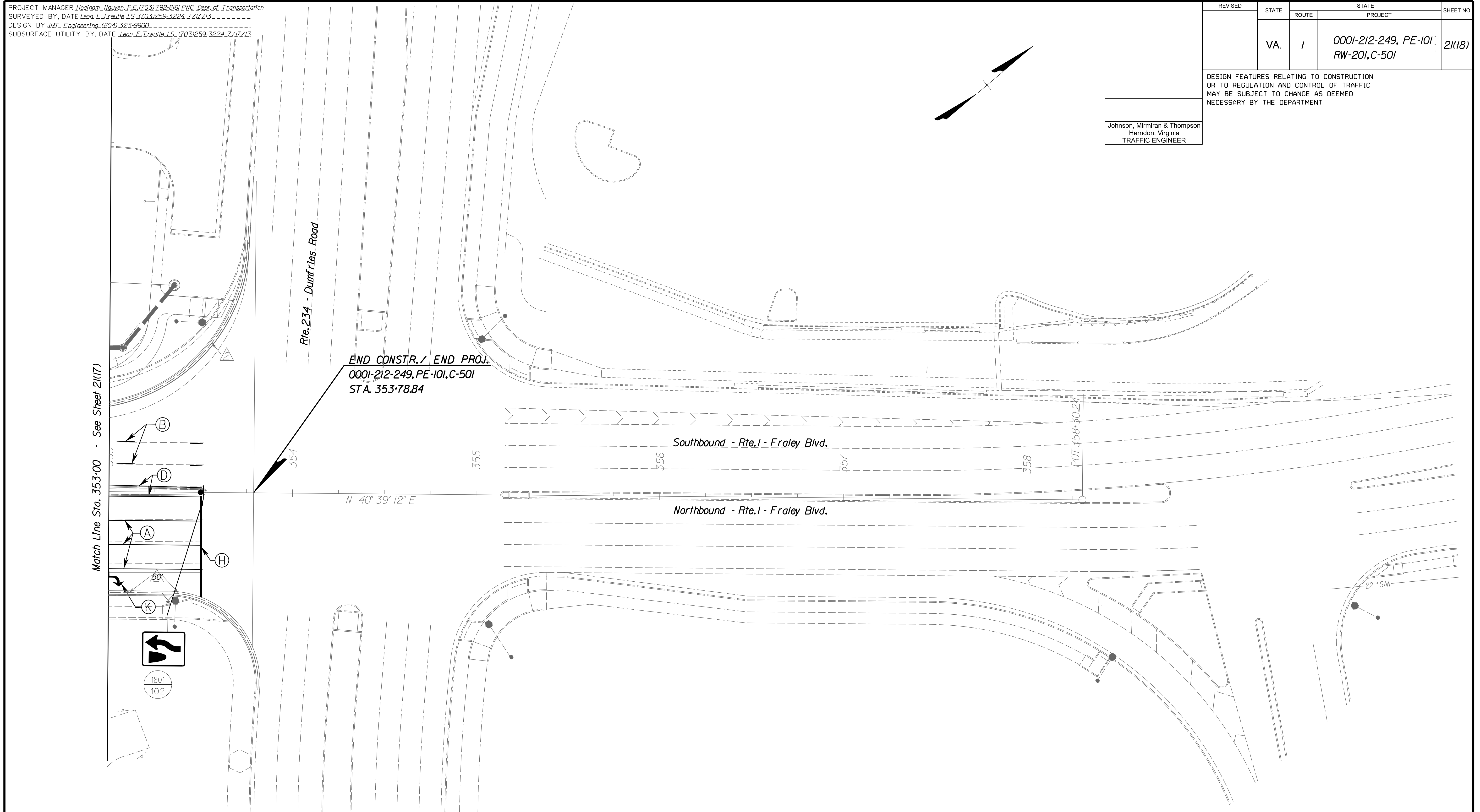
<b>TRAFFIC CONTROL DEVICE PLANS</b> SIGNING AND PAVEMENT MARKING PLAN	
DUMFRIES / PRINCE WILLIAM COUNTY	
SCALE 0 25' 50'	PROJECT 0001-212-249
	SHEET NO. 21(17)

R/W PLANS

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

PROJECT MANAGER *HoaLoan\_Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation*  
SURVEYED BY, DATE *Leon\_E.Treutle LS (703) 259-3224 7/17/13*  
DESIGN BY *JMT\_Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE *Leon\_E.Treutle LS (703) 259-3224 7/17/13*

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1	0001-212-249, PE-101, RW-201, C-501	21(18)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia TRAFFIC ENGINEER				



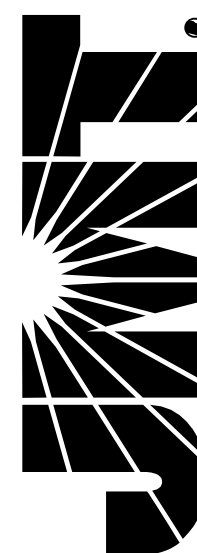
**PAVEMENT MARKING & PAVEMENT MARKERS LEGEND**

(A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H) TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(O) TYPE B, CLASS II, YELLOW, 10' SPACING, 24" WIDTH, 45 DEGREES	(W) TYPE B, CLASS VI, CONTRAST YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I) TYPE B, CLASS VI, WHITE PAVEMENT LINE MARKING, 12" WIDTH	(P) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(X) ERADICATE PAVEMENT MARKING
(C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(R) TYPE B, CLASS VI, WHITE PAVEMENT LINE 30" SPACING, 24" WIDTH	▷ ONE-WAY PLASTIC INLAID MARKER
(D) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K) TYPE B, CLASS II, PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE	(S) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH	◁ TWO-WAY PLASTIC INLAID MARKER (ASPHALT CONCRETE)
(E) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH	(L) TYPE B, CLASS VI, WHITE LANE REDUCTION ARROW	(T) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)	
(F) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(M) TYPE B, CLASS VI, WHITE, 30' SPACING, 24" WIDTH, 45 DEGREES	(U) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH	
(G) TYPE B, CLASS VI, CONTRAST WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(N) TYPE B, CLASS II, WHITE, ELONGATED ARROW, DOUBLE	(V) TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8" CHARACTER	

<b>REFERENCES</b> (PLAN AND DETAIL SHEETS)		<b>TRAFFIC CONTROL DEVICE PLANS</b> SIGNING AND PAVEMENT MARKING PLAN	
ROADWAY PLAN	18	DUMFRIES / PRINCE WILLIAM COUNTY	
SIGN FIGURE DETAILS	21(2A1) - 21(2A2)	SCALE	PROJECT
SIGN SCHEDULE - PROPOSED	21(2B1) - 21(2B3)	0 25' 50'	0001-212-249
SIGN SCHEDULE - EXISTING	21(2B3)	SHEET NO.	21(18)



**JOHNSON, MIRIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER *Hoa Lam Nguyen, P.E. (703) 792-8161 PWC, Dept. of Transportation*  
SURVEYED BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*  
DESIGN BY *JMT Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*

# SIGNAL PLANS

## INDEX OF SHEETS, GENERAL NOTES & LEGEND

	REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
		VA.	1	0001-212-249, RW-201, C-501	22(1)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Johnson, Miriran & Thompson Herndon, Virginia TRAFFIC ENGINEER					

**GENERAL NOTES**

1. THE FOLLOWING ITEMS SHALL BE IN ACCORDANCE WITH STANDARDS LISTED BELOW:
  - SIGNAL POLE FOUNDATION ..... PF-8
  - CONDUIT INSTALLATION ..... ECI-1 OR BORED
  - SIGNAL HEAD HANGERS ..... SM-3
  - SIGN HANGER ..... SMD-2
  - JUNCTION BOX ..... JB-S1, JB-S2, JB-S3
  - CONTROLLER CABINET FOUNDATION ..... CF-5
  - ELECTRICAL SERVICE ..... SE-5
2. TRAFFIC SIGNAL FOUNDATION DEPTHS AND ABOVE GROUND FOUNDATION PROJECTION/REVEAL (IF NEEDED) SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH PF-8 STANDARDS AFTER THE SIGNAL POLE SOIL TEST BORES ARE COMPLETED. SIGNAL POLES AND FOUNDATIONS SHALL BE IN ACCORDANCE WITH SPECIAL PROVISIONS INCLUDING MAXIMUM LOADING CONDITIONS, THE POLE SUPPLIER SHALL PROVIDE FOUNDATIONS DESIGNS AND SHOP DRAWINGS THAT ARE SIGNED SEALED BY A PROFESSIONAL ENGINEER. THE TOP OF ALL SIGNAL POLE FOUNDATIONS SHALL BE INSTALLED 4" ABOVE THE HIGHEST POINT OF THE ROADWAY PAVEMENT IN WHICH THE MAST IS EXTENDING OVER, TO ALLOW FOR REQUIRED SIGNAL HEAD TO PAVEMENTS DISTANCES PER THE MUTCD.
3. SIGNAL POLE FOUNDATIONS MAY BE FIELD ADJUSTED WITHIN THE DESIGNATED CORNERS NO MORE THAN 2' IN ANY DIRECTION FROM THE PLAN LOCATIONS, PROVIDED THAT THE REVISED FOUNDATION LOCATIONS:
  - REMAIN OUT OF THE CLEAR ZONE AND PAVEMENT SECTIONS.
  - REMAIN WITHIN THE RIGHT OF WAY OR PROPOSED EASEMENT
  - DOES NOT CONFLICT WITH UTILITIES
  - DOES NOT LIMIT SIGHT DISTANCE
  - DOES NOT AFFECT DRAINAGE.
  - ALLOW THE SIGNAL HEADS TO BE ADJUSTED WITH THE SAME ALIGNMENT WITH THE DESIGNATED TRAVEL LANES AS SHOWN ON THE PLANS, AND IS IN ACCORDANCE WITH THE PF-8 CONCRETE FOUNDATION STANDARDS DETAIL REFERENCED TO THE INSTALLATION
4. THE CONTRACTOR SHALL VERIFY MAST ARM LENGTHS AND SIGNAL HEAD LANE COVERAGE PRIOR TO THE INSTALLATION OF SIGNAL POLE FOUNDATIONS.
5. ALL POLES SHALL BE FIELD STAKED BY THE CONTRACTOR AND INSPECTED BY THE ENGINEER AND CONTRACTOR PER SECTION 700 PRIOR TO INSTALLATION OF FOUNDATIONS
6. TRAFFIC SIGNAL HEADS AND MAST ARM SIGNS MAY BE FIELD ADJUSTED NO MORE THAN 2' IN EITHER DIRECTION ON THE MAST ARMS, PROVIDED THEY REMAIN WITHIN THE DESIGNATED TRAVEL LANE ASSIGNMENTS. IF FURTHER ADJUSTMENT IS NEEDED, THE PROJECT INSPECTOR SHALL CONTACT (TBD) AT (XXX) XXX-XXXX.
7. ALL UNUSED WIRES IN THE SIGNAL HEADS SHALL BE CAPPED INDIVIDUALLY USING CRIMP TYPE CAPS.
8. THE CONTROLLER CABINET & CF-3 FOUNDATION MAY BE RELOCATED WITHIN THE DESIGNATED CORNER PROVIDED IT REMAINS WITHIN THE RIGHT OF WAY OR PROPOSED EASEMENT, OUTSIDE OF THE CLEAR ZONE AND PAVEMENTS SECTIONS, DOES NOT CONFLICT WITH UTILITIES, DOES NOT LIMIT SIGHT DISTANCE, AND IS IN ACCORDANCE WITH THE ELECTRIC SERVICE STANDARD DETAIL REFERENCED TO THE INSTALLATION.
9. JUNCTION BOXES MAY BE RELOCATED IN THE FIELD AS NECESSARY PROVIDED THEY REMAIN WITHIN THE RIGHT OF WAY, DO NOT CONFLICT WITH UTILITIES AND REMAIN OUTSIDE THE PAVEMENT SECTION.
10. THE PLACEMENT OF 6' X 40' LOOPS SHOWN ON THE PLANS SHALL BE 5' IN FRONT OF STOP BARS AND ALL 6' X 6' LOOPS SHALL BE INSTALLED AT THE DISTANCES SPECIFIED ON THE PLANS.
11. THE ELECTRIC SERVICE CONNECTION AND SERVICE LINE LOCATIONS MAY BE FIELD ADJUSTED AS NECESSARY PROVIDED ALL EQUIPMENT REMAINS WITHIN THE RIGHT OF WAY OR PROPOSED EASEMENT, DOES NOT CONFLICT WITH UTILITIES AND REMAINS OUTSIDE THE PAVEMENT SECTIONS.

12. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY AND MAY NOT BE COMPLETE. AT LEAST 72 HOURS PRIOR TO BEGINNING SIGNAL WORK, THE CONTRACTOR SHALL CONTACT "MISS UTILITY OF VIRGINIA" AT 1-800-552-7001 IN ORDER TO DETERMINE THE EXTENT, LOCATION, AND IDENTIFY ALL OF THE UTILITIES WITHIN THE WORK AREA. AT LEAST 4 FULL WORKING DAYS PRIOR TO BEGINNING SIGNAL WORK, THE CONTRACTOR SHALL CONTACT (TBD) AT (XXX) XXX-XXXX IN ORDER TO DETERMINE THE EXTENT AND LOCATION OF ALL UNDERGROUND SIGNAL EQUIPMENT OWNED BY VDOT WITH THE PROJECT LIMITS. IF THE CONTRACTOR PERCEIVES A CONFLICT BETWEEN UTILITIES AND THE PROPOSED TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE REVIEWED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING, AT THEIR OWN EXPENSE, ANY EXISTING UTILITIES, PAVEMENT, CONCRET ITEMS, ETC. THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION.
13. CONDUIT SYSTEMS SHALL BE BONDED IN ACCORDANCE WITH SECTION 700 OF THE ROAD AND BRIDGE SPECIFICATIONS.
14. PAVEMENT MARKINGS SHOWN ON THE SIGNAL PLANS ARE FOR REPRESENTATION ONLY. ACTUAL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE PAVEMENT MARKING PLANS.
15. ALL EQUIPMENT IS TO BE INSTALLED WITHIN THE EXISTING OR PROPOSED R/W OR EASEMENT.
16. THE CONTRACTOR WILL PROVIDE SIGNAL TIMINGS. THE CONTRACTOR SHALL CONTACT (TBD) AT (XXX)XXX-XXXX AT LEAST TWO WEEKS IN ADVANCE OF SIGNAL TIMING IMPLEMENTATION.
17. THE CONTRACTOR SHALL COORDINATE ALL SIGNAL TIMINGS, INCLUDING RED AND YELLOW CLEARANCE INTERVALS WITH (TBD) AT (XXX) XXX-XXXX
18. IF THE CONTRACTOR PERCEIVES A CONFLICT BETWEEN UTILITIES AND THE PROPOSED TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE REVIEWED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING, AT THEIR OWN EXPENSE, ANY EXISTING UTILITIES, PAVEMENT, CONCRETE ITEMS, PIPES, ETC. THAT ARE DAMAGED DURING CONSTRUCTION.
19. ALL TRAFFIC SIGNAL AND SIGNING WORK AND ADJUSTMENTS TO PROPOSED SIGNALS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, AND THE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) ROAD & BRIDGE SPECIFICATIONS DATED 2020, VDOT ROAD & BRIDGE STANDARDS DATED 2020, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION (MUTCD) REV 1 & 2, REVISION 1 OF THE 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, THE 2023 NATIONAL ELECTRICAL CODE, SPECIAL PROVISION COPIED NOTES AND SPECIAL PROVISIONS AT THE TIME OF ADVERTISEMENT.
20. EMERGENCY PREEMPTION DETECTORS AND CONFIRMATION LIGHTS SHALL BE LOCATED AS SHOWN ON THE PLANS, HOWEVER, MAY BE FIELD ADJUSTED AS NECESSARY TO PROVIDE OPTIMAL DETECTION CAPABILITIES. WIRING SHALL BE ADJUSTED AS NECESSARY IF THE DETECTOR AND LIGHT LOCATIONS ARE MODIFIED.
21. ACCESSIBLE PEDESTRIAN SIGNALS AND DETECTORS SHALL BE USED. PUSHBUTTONS SHALL BE LOCATED A MAXIMUM OF 10" FROM THE PEDESTRIAN TRAVELWAY (SIDEWALK).
22. ALL PROPOSED COMMUNICATIONS SHALL COMPLY WITH THE LATEST VITA INFORMATION TECHNOLOGY RESOURCE MANAGEMENT STANDARD SEC501 - INFORMATION SECURITY STANDARD, AND BE APPROVED BY DISTRICT/REGIONAL OPERATIONS REPRESENTATIVE PRIOR TO OPENING SIGNAL FOR TRAFFIC USE.
23. THE PROJECT IS RESPONSIBLE FOR SUBMITTING TRAFFIC SIGNAL TIMING DATA NEEDED FOR COORDINATION NO MORE THAN SIX (6) MONTHS PRIOR TO PROJECT COMPLETION AND NO LESS THAN SIXTY (60) DAYS PRIOR TO THE ACTIVATION OF THE TRAFFIC SIGNAL. SIGNAL OPERATIONS SECTION REQUEST THE LATEST DATA FOR THE IMPLEMENTATION AND TO HAVE ENOUGH TIME TO REVIEW. IN ADDITION, THE APPROVED TIMINGS ARE VALID FOR 6 MONTHS ONLY, AND SHOULD REFLECT THE CURRENT OPERATION CONDITION AS THEY WILL BE IMPLEMENTED IN THE FIELD AT THAT TIME. THIS INCLUDES EIGHT (8) TIME OF DAY TIMING PLANS TO REFLECT CYCLE LENGTHS NECESSARY TO ACCOMMODATE CHANGES IN TRAFFIC PATTERNS FOR PERIODS INCLUDING A.M. PEAK, MID-DAY, P.M. PEAK, OFF PEAK AND WEEKENDS (WEEKEND-AM, SAT PEAK, SUN PEAK AND WEEKEND-PM). THESE TIMING PLANS ARE TO BE SUBMITTED TO THE VDOT PERMITS SECTION FOR REVIEW AND APPROVAL BY THE SIGNAL OPERATIONS SECTION TO BE PROVIDED IN AN ELECTRONIC FILE FORMAT COMPATIBLE WITH THE SYNCHRO PROGRAM USED BY VDOT.

24. AT LOCATIONS WHERE APS PUSHBUTTONS ARE WITHIN 10 FEET OF EACH OTHER, WALK INTERVAL SPEECH MESSAGE SHALL BE USED.
25. PROPOSED ACCESSIBLE PEDESTRIAN SIGNAL DETECTORS (APD) AND ACCESSIBLE PEDESTRIAN SIGNALS (APS) SHALL MEET VDOT'S REQUIREMENTS.
26. THE PROJECT SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING COMMUNICATION TO THE TRAFFIC SIGNAL CONTROLLER AT ALL TIMES. THE PROJECT IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH PROVIDING COMMUNICATION TO THE TRAFFIC SIGNAL. THE PROJECT SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION AND THE INSTALLATION OF THE COMMUNICATION CIRCUIT CONDUIT(S) AND EQUIPMENT TO THE TRAFFIC SIGNAL CONTROLLER CABINET FOR THE DESIGNATED COMMUNICATION PLATFORM.
27. THE PROJECT SHALL CONTACT VDOT'S NORTHERN REGION OPERATIONS COMMUNICATIONS GROUP AT NOVATF0COMM@VDOT.VIRGINIA.GOV NINETY (90) DAYS PRIOR TO THE START OF THE TRAFFIC SIGNAL CONSTRUCTION TO IDENTIFY THE DESIGNATED COMMUNICATION PLATFORM AND INITIATE THE BROADBAND CIRCUIT ORDERING PROCESS.
28. NO TRAFFIC SIGNAL SHALL BE PLACED INTO OPERATIONS UNTIL THE TRAFFIC SIGNAL COMMUNICATION REQUIREMENTS ARE COMPLETE AND OPERATIONAL.
29. FIELD ADJUSTMENTS MADE OF ANY KIND WILL REQUIRE A RED LINED SIGNAL MODIFICATION PLAN FOR VDOT TO REVIEW AND APPROVAL.

<u>Sheet No.:</u>	<u>Sheet Description:</u>
22(1)	<i>Index of Sheets, General Notes &amp; Legend</i>
22(2A) - 22(2A)2	<i>Sign Figure Details</i>
22(3) - 22(5)	<i>Traffic Signal Plans</i>
22(6)	<i>DMS Plan</i>

**STANDARD TRAFFIC SIGNAL LEGEND**

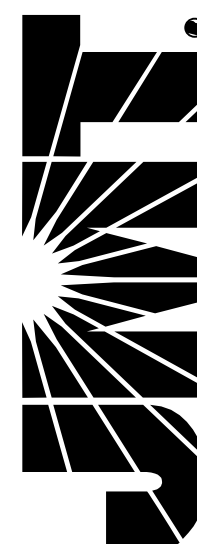
PLAN ITEM	PLAN SYMBOL	
	PROPOSED	EXISTING
<i>Metal Signal Pole &amp; Foundation and Mast Arm (As noted in Signal Pole Legend)</i>		
<i>Pedestal Pole and Foundation (Std. PF-2)</i>		
<i>Pedestal Pole and Foundation (Std. PA-3)</i>		
<i>Traffic Signal Head w/ Backplate</i>		
<i>Traffic Signal Head w/o Backplate</i>		
<i>Pedestrian Signal Head</i>		
<i>Pedestrian Pushbutton &amp; Sign</i>		
<i>Traffic Signal Sign Mast Arm or Span Wire Mtd. Pole Mounted</i>		
<i>Emergency Vehicle Preemption (EVP) Sensor w/ Conf. Light</i>		
<i>Emergency Vehicle Preemption (EVP) Sensor w/o Conf. Light</i>		
<i>Video Detection Camera</i>		
<i>Junction Box (Std. as noted on plans)</i>		
<i>Signal Luminaire (250 W) and Arm</i>		
<i>Signal Luminaire (400 W) and Arm</i>		
<i>Loop Detector (Size as noted on plans)</i>		
<i>Video Detection Zone (Size as noted on plans)</i>		
<i>Conduit</i>		

LABELS			
<i>Signal Pole or Controller</i>		<i>Proposed Signal Head</i>	
<i>Cable and Conduit</i>		<i>Existing Signal Head</i>	
<i>Junction Box</i>		<i>Proposed Pedestrian Signal Head</i>	
		<i>Existing Pedestrian Signal Head</i>	
		<i>Signal Phasing</i>	
		<i>Pedestrian Phasing</i>	
		<i>Sign</i>	
		<i>Video Detection Camera</i>	
		<i>Emergency Preemption Detector</i>	

<b>REFERENCES</b> (PLAN AND DETAIL SHEETS)	<b>TRAFFIC CONTROL DEVICE PLANS</b> <b>TRAFFIC SIGNALS</b> <b>PLAN</b>
	DUMFRIES / PRINCE WILLIAM COUNTY
	PROJECT 0001-212-249
	SHEET NO. 22(1)

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





PROJECT MANAGER *Hoa Tram Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation*  
SURVEYED BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*  
DESIGN BY *JMT Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*

# SIGN FIGURE DETAILS

REVISED	STATE	STATE		SHEET NO.
	VA.	ROUTE	PROJECT	
		1	0001-212-249, RW-201, C-501	22(2A)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Miriran & Thompson Herndon, Virginia TRAFFIC ENGINEER				

FIGURE 1

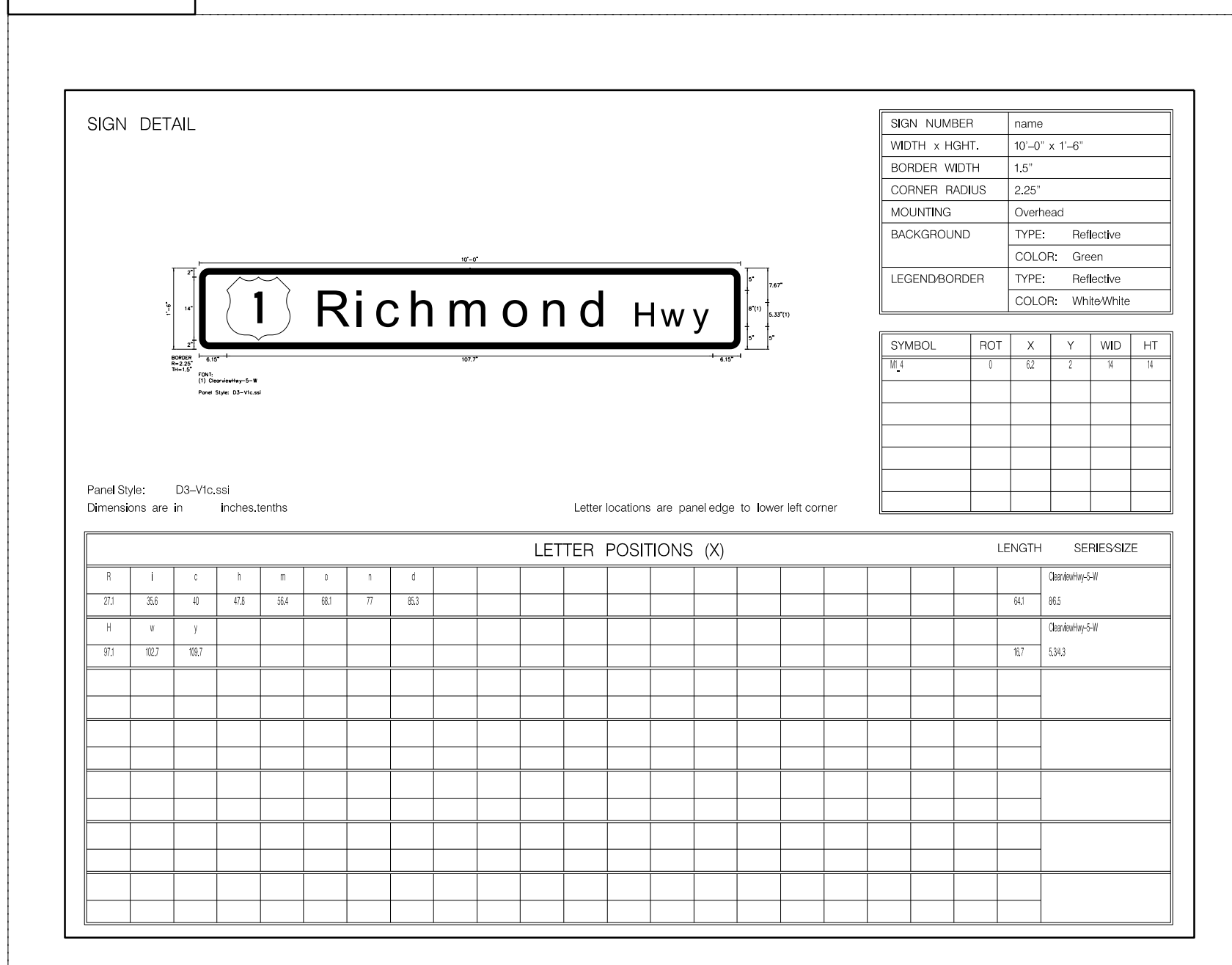


FIGURE 2

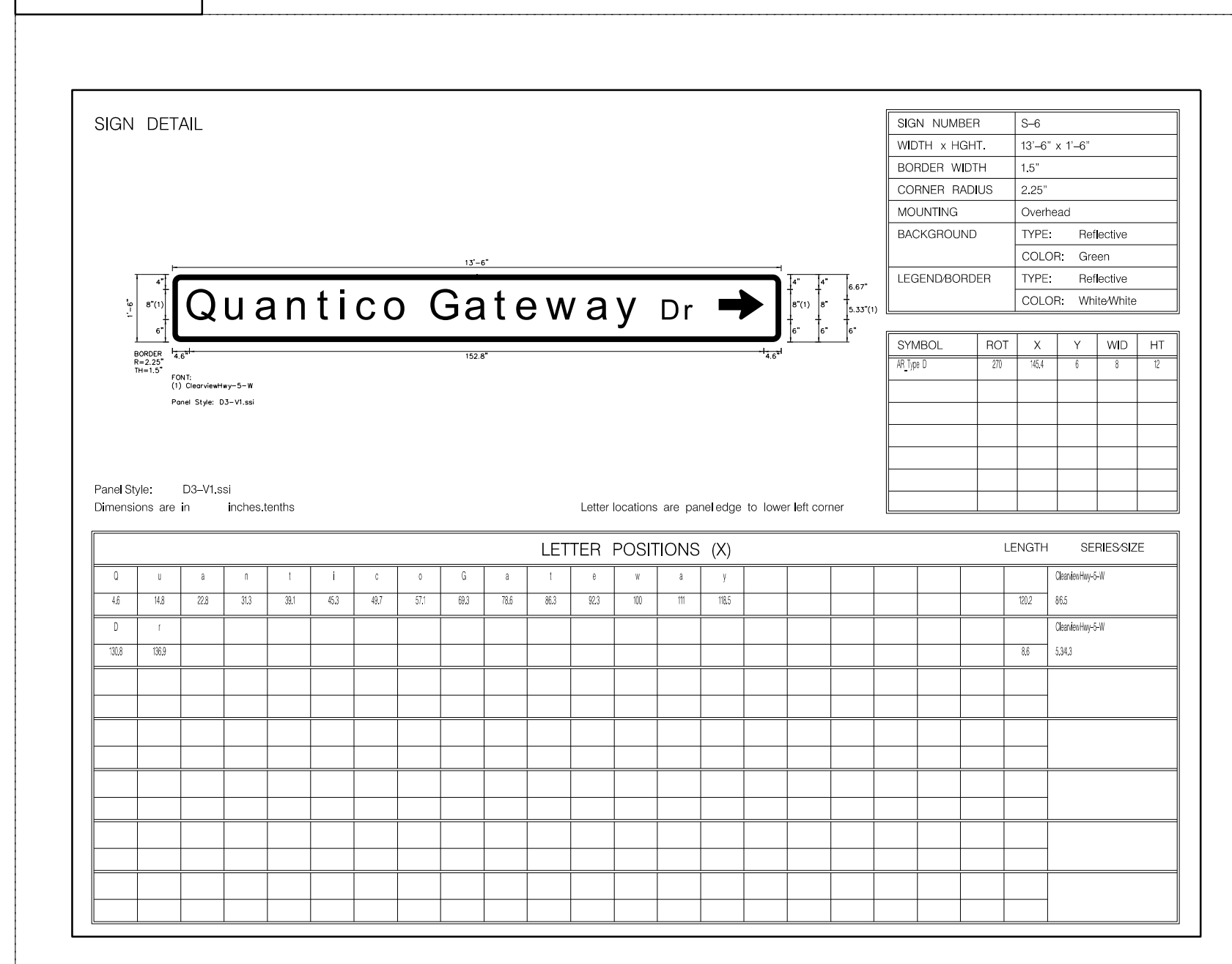


FIGURE 3

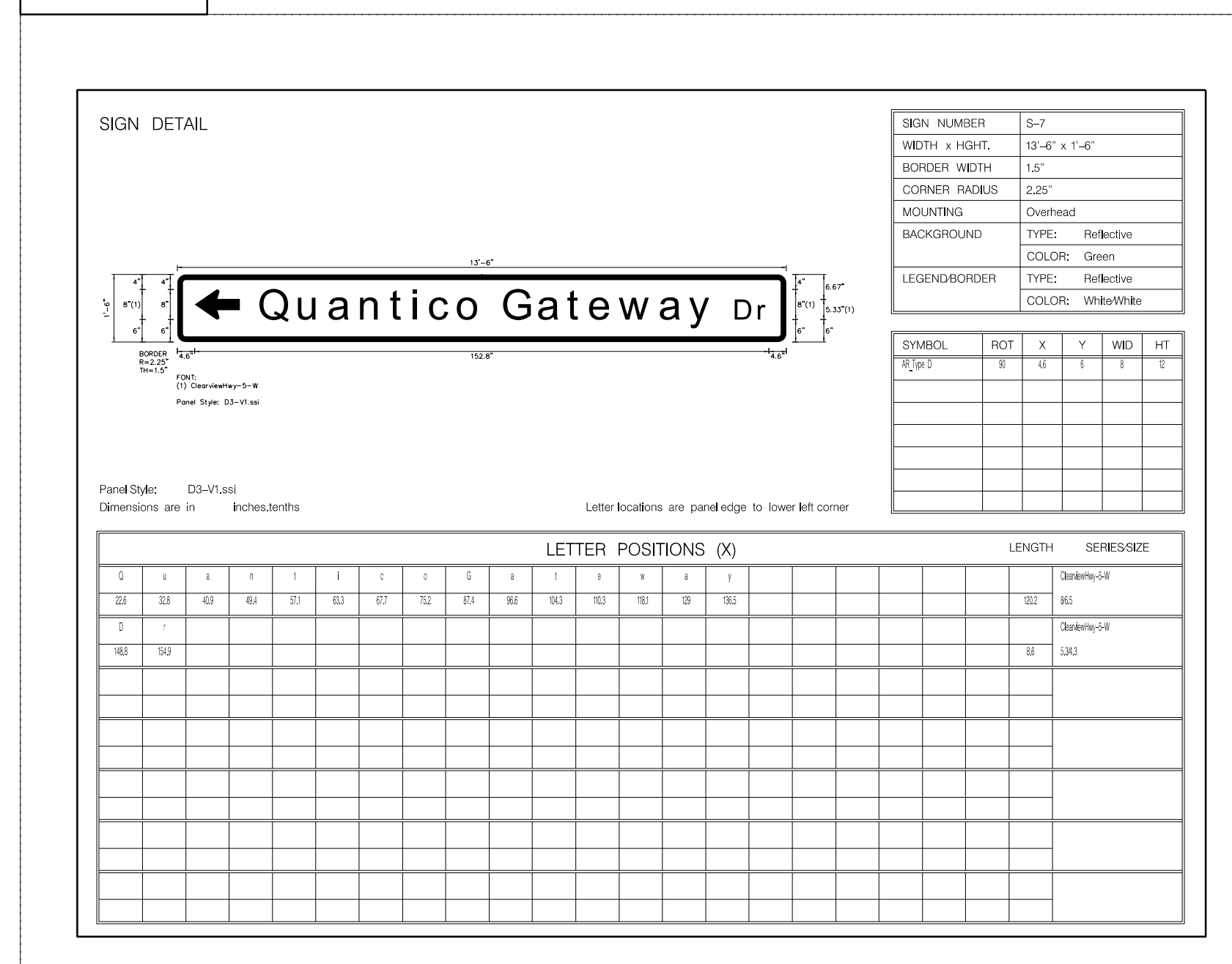


FIGURE 4

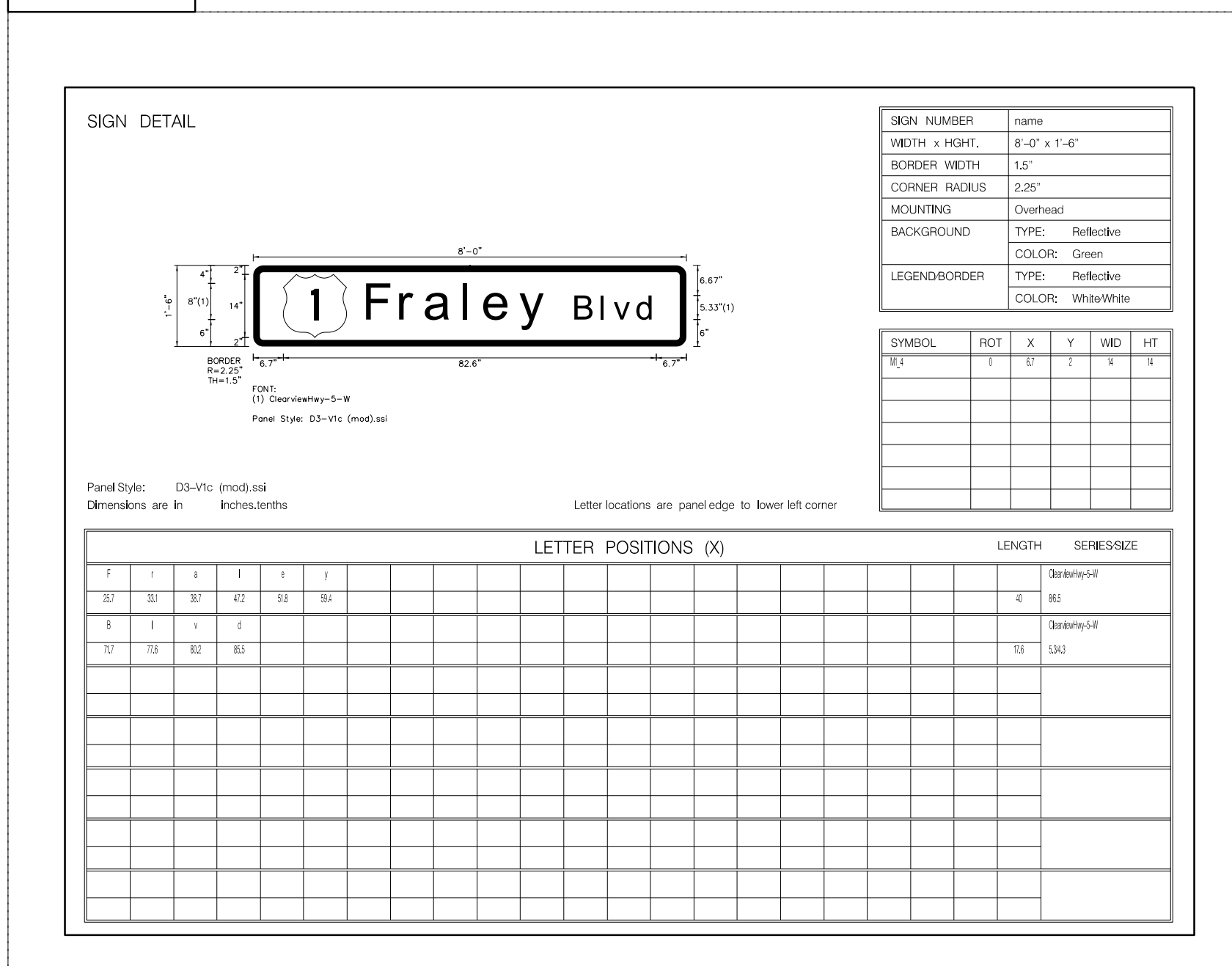


FIGURE 5

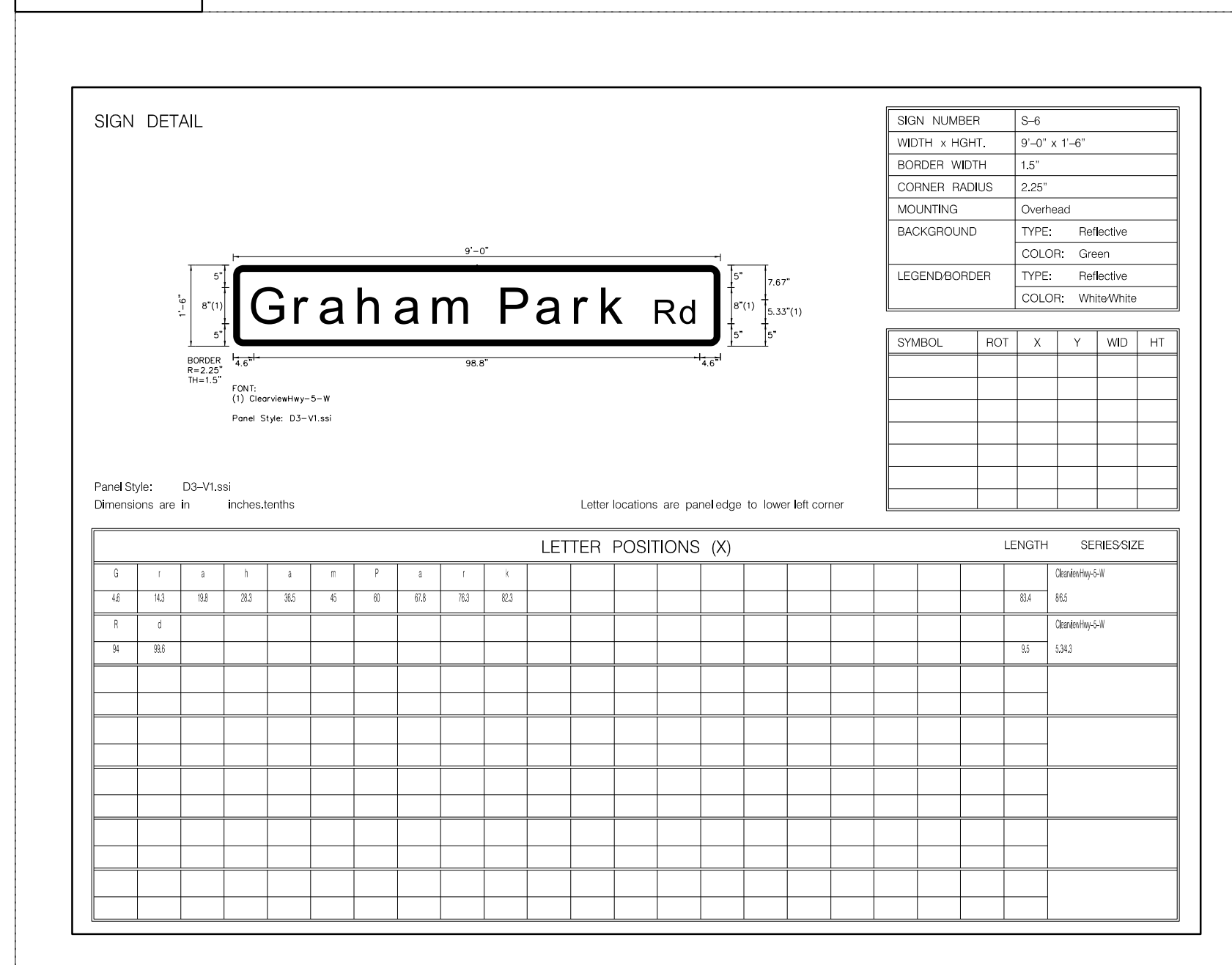
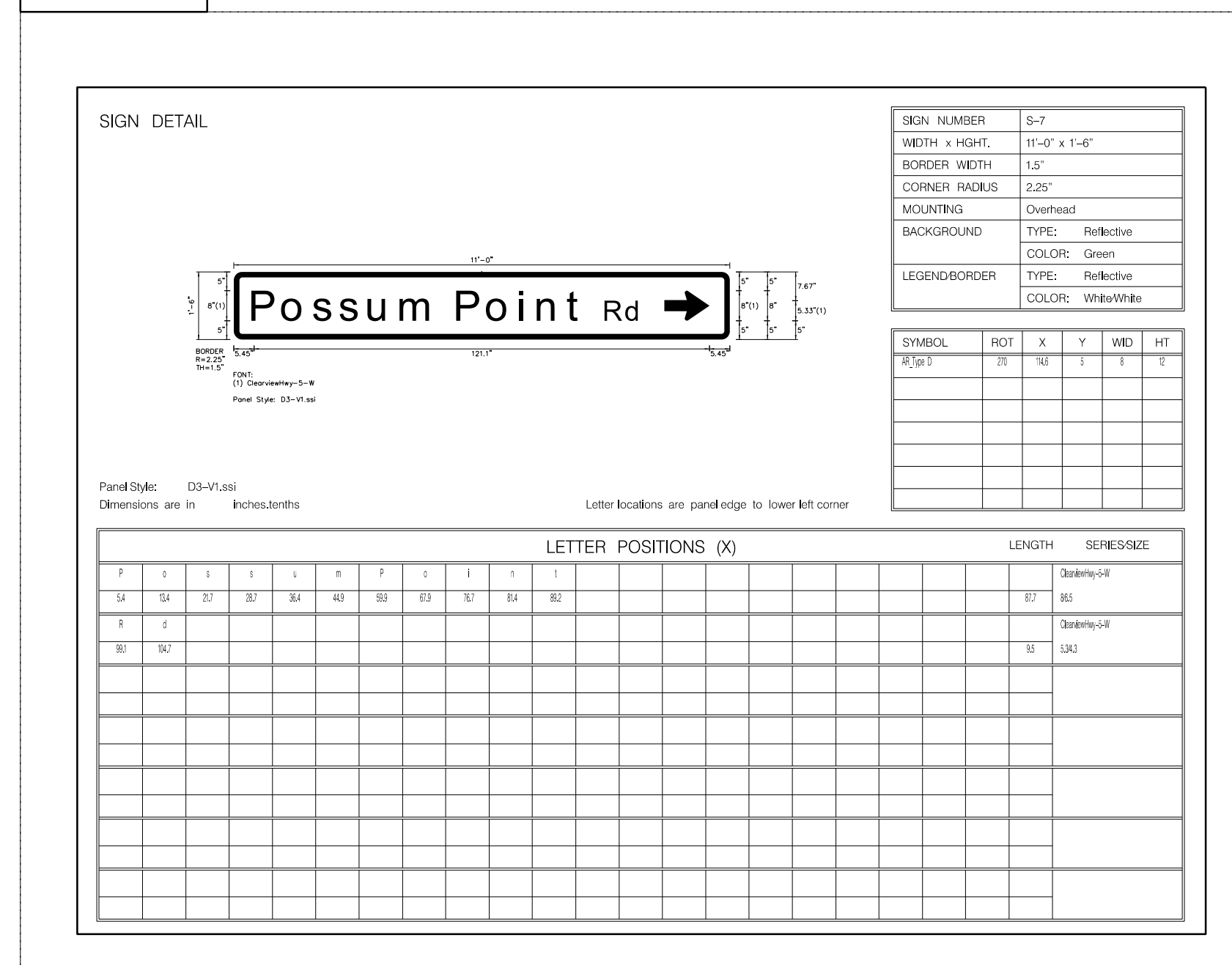
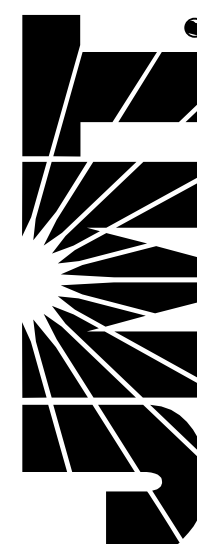


FIGURE 6



REFERENCES (PLAN AND DETAIL SHEETS)	TRAFFIC CONTROL DEVICE PLANS TRAFFIC SIGNALS SIGN FIGURE DETAILS	
	DUMFRIES / PRINCE WILLIAM COUNTY	
	PROJECT	SHEET NO.
NO SCALE	0001-212-249	22(2A)

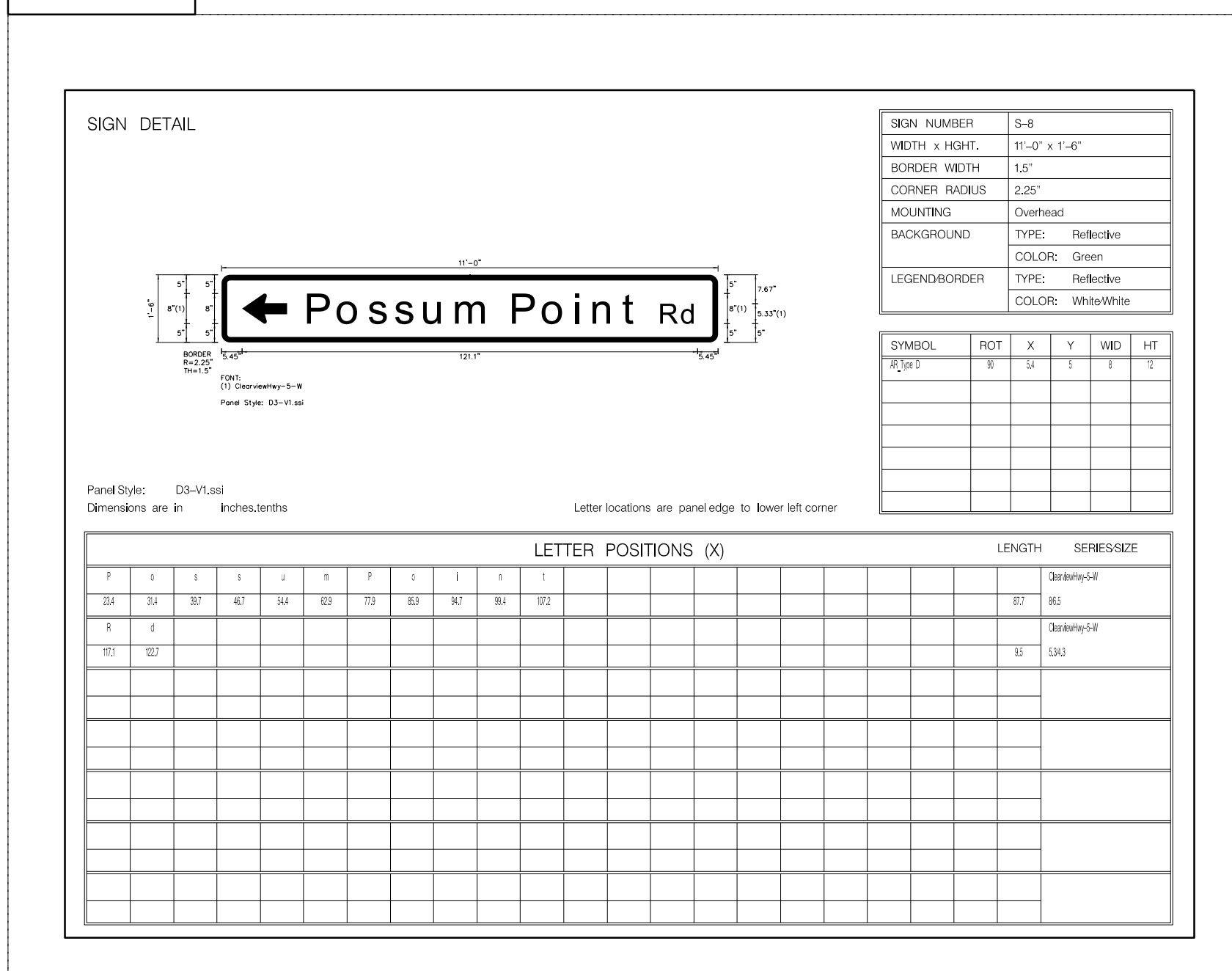


PROJECT MANAGER *Hoa Tram Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation*  
SURVEYED BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*  
DESIGN BY *JMT Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*

# SIGN FIGURE DETAILS

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1	0001-212-249, RW-201, C-501	2212A12
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Miriran & Thompson Herndon, Virginia TRAFFIC ENGINEER				

FIGURE 7

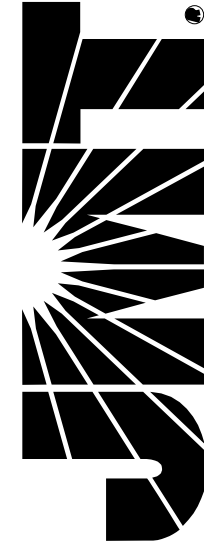


REFERENCES (PLAN AND DETAIL SHEETS)	TRAFFIC CONTROL DEVICE PLANS TRAFFIC SIGNALS SIGN FIGURE DETAILS	
	DUMFRIES / PRINCE WILLIAM COUNTY	
	PROJECT NO SCALE	SHEET NO. 0001-212-249 2212A12

R/W PLANS

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

**JOHNSON, MIRIMIRAN & THOMPSON**  
9201 Arboretum Parkway  
Suite 310  
Richmond, Virginia 23236  
Phone: (804) 323-9900



PROJECT MANAGER: *Hoa Lam, Nguyen, P.E. (703) 792-8161 PWC, Dept. of Transportation*  
SURVEYED BY, DATE: *Leon E. Treutle, LS (703) 259-3224 7/17/13*  
DESIGN BY: *JMT, Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS (703) 259-3224 7/17/13*

# SIGNAL PLAN

SPEED LIMITS	
RTE. 1	35 MPH
QUANTICO GATEWAY DRIVE	25 MPH

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101 RW-201, C-501	22(3)

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

Johnson, Mirimiran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER

## Signal Pole & Controller Legend

(ALL DIMENSIONS ARE TO CENTER OF POLE)

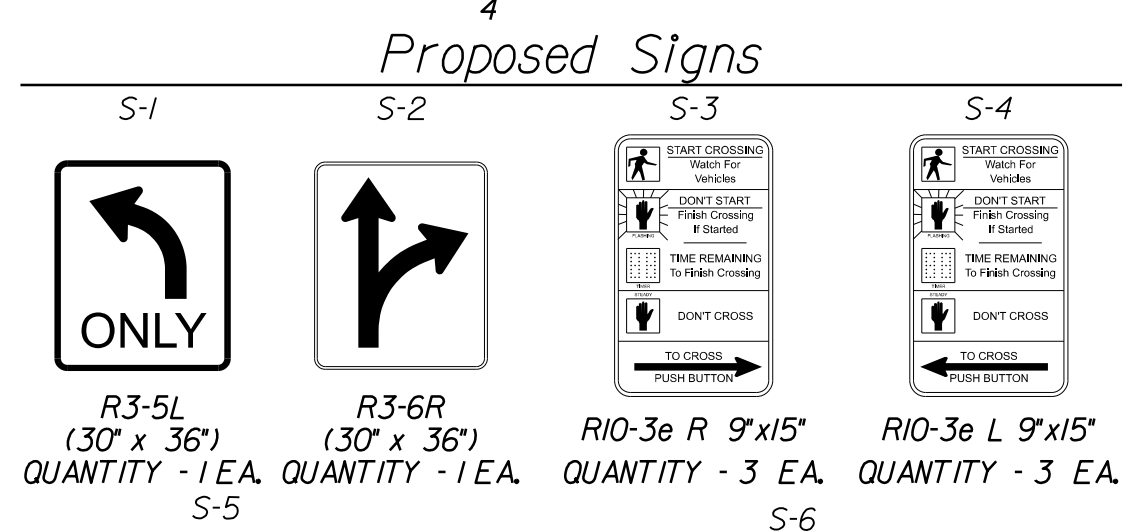
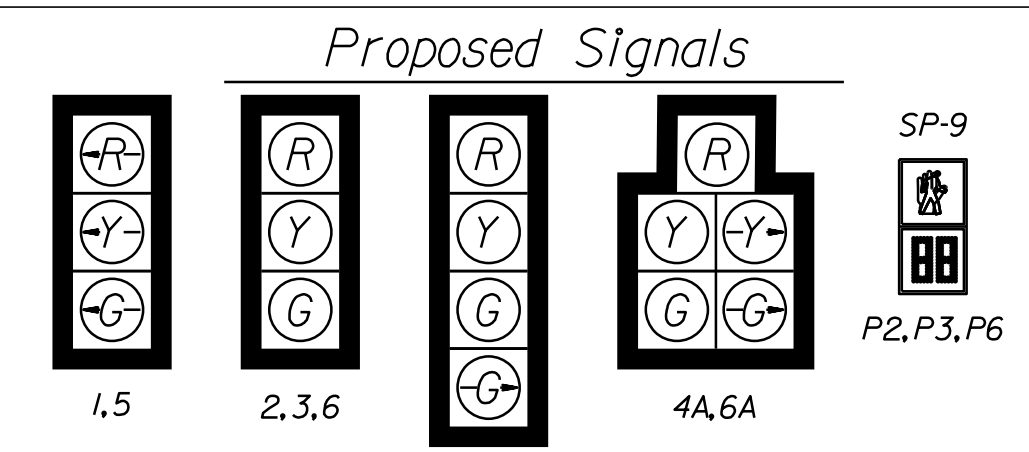
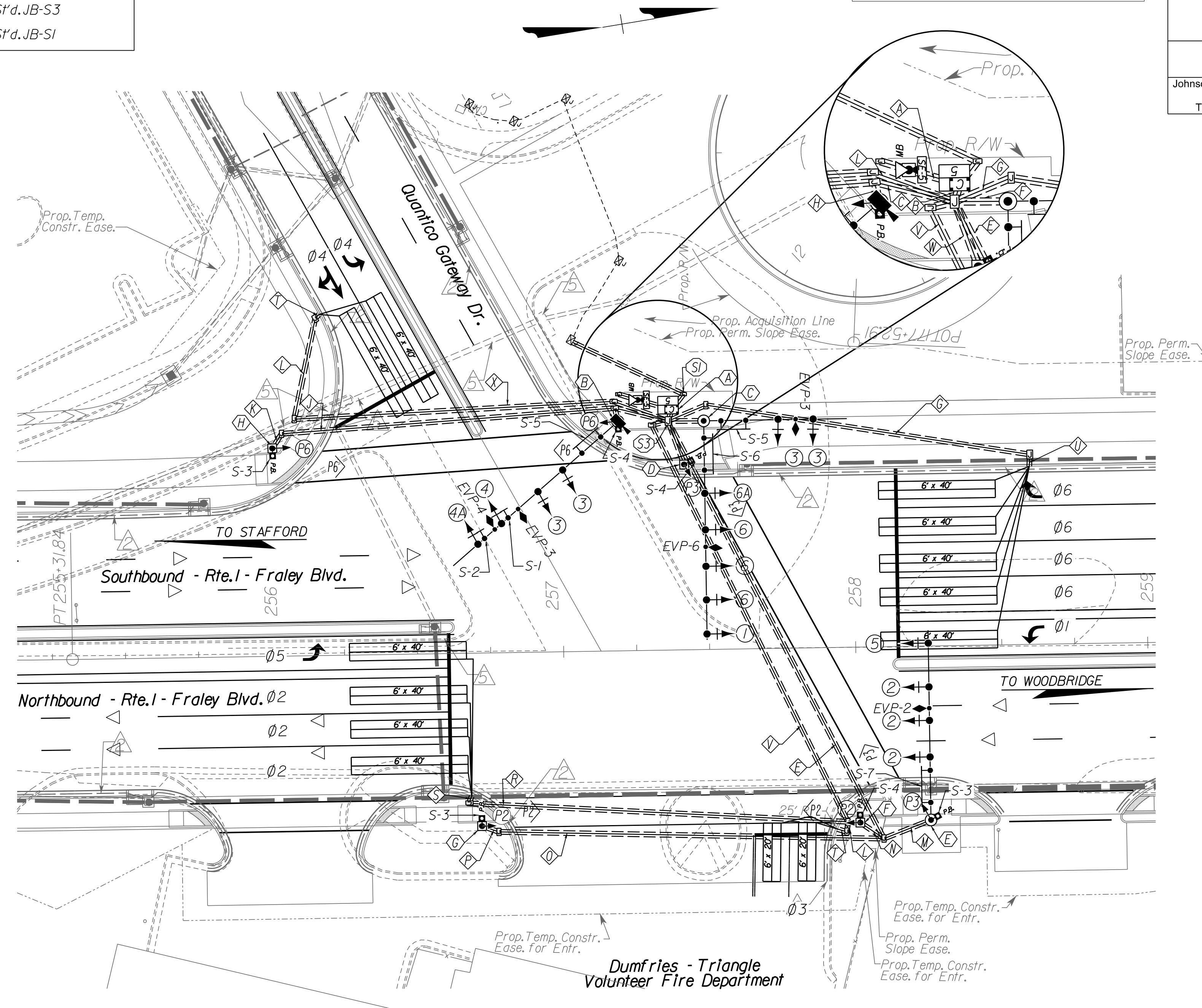
- (A) CONTROLLER CABINET & FOUNDATION (CF-5)  
Cabinet door hinge location on right side of pad
- (B) SIGNAL POLE MP-3, TYPE BI  
75' Arm 140° Angle to Rte. 1 Constr. ☐
- (C) SIGNAL POLE MP-3, TYPE C  
75' Arm 90° Angle to Rte. 1 Constr. ☐
- (D) PEDESTAL POLE (PF-2), 10'
- (E) SIGNAL POLE MP-3, TYPE BI  
60' Arm 270° Angle to Rte. 1 Constr. ☐
- (F) PEDESTAL POLE (PF-2), 10'
- (G) PEDESTAL POLE (PF-2), 10'
- (H) PEDESTAL POLE (PF-2), 10'

### CABLE AND CONDUIT LEGEND

- |   |   |
|---|---|
| (A) 1-2' CONDUIT<br>3 - #8 (ELECT. SERVICE)<br>1 - #8 EGC   | (K) 1-2' CONDUIT<br>1-14/7c (HEADS P6)<br>1-14/2c (PB6)<br>1 - #8 EGC                     |
| (B) 1-4' CONDUIT<br>7 - 14/7c (HEADS 1,2,3,3,4,4A,5)<br>3 - 14/2c (PB3, PB6)<br>3 - EPDC<br>1 - VDC<br>1 - #8 EGC | (L) 1-2' CONDUIT<br>2 - 14/2c(s) (DETECTORS)<br>1 - #8 EGC                                |
| (C) 1-4' CONDUIT<br>8 - 14/7c (HEADS 6,6A,P2,P3,P6)<br>3 - 14/2c (PB3)<br>2 - EPDC<br>1 - #8 EGC                  | (M) 1-2' CONDUIT<br>3 - 14/7c (HEADS 2,5,P6)<br>1 - 14/2c (PB6)<br>1 - EPDC<br>1 - #8 EGC |
| (D) 1-2' CONDUIT<br>2 - 14/2c(s) (DETECTORS)<br>1 - #8 EGC  | (N) 1-2' CONDUIT (BORED)<br>1 - 14/7c (HEADS P2)<br>1 - 14/2c (PB6)<br>1 - #8 EGC         |
| (E) 1-3' CONDUIT<br>5 - 14/2c(s) (DETECTORS)<br>1 - #8 EGC  | (O) 1-2' CONDUIT (BORED)<br>1 - 14/7c (HEADS P2)<br>1 - 14/2c (PB2)<br>1 - #8 EGC         |
| (F) 1-2' CONDUIT<br>4 - 14/2c(s) (DETECTORS)<br>1 - #8 EGC  | (P) 1-2' CONDUIT<br>1 - 14/7c (HEADS P2)<br>1 - 14/2c (PB2)<br>1 - #8 EGC                 |
| (G) 1-2' CONDUIT<br>2 - 14/2c(s) (DETECTORS)<br>1 - #8 EGC  | (Q) 1-2' CONDUIT (BORED)<br>4 - 14/2c(s) (DETECTORS)<br>1 - #8 EGC                        |
| (H) 1-3' CONDUIT<br>5 - 14/7c (HEADS 3,4,4A,P6)<br>2 - 14/2c (PB6)<br>2 - EPDC<br>1 - VDC<br>1 - #8 EGC           | (R) 2 - 1" CONDUIT (M)  |
| (I) 1-3' CONDUIT (BORED)<br>5 - 14/7c (HEADS 2,5,P2,P3,P6)<br>3 - 14/2c (PB2, PB3, PB6)<br>1 - EPDC<br>1 - #8 EGC | (S) 5 - 1" CONDUIT (M)  |
| (J) 1-3' CONDUIT<br>4 - 14/7c (HEADS 1,3,6,6A)<br>2 - EPDC<br>1 - #8 EGC  | (T) 1-3' CONDUIT (BORED)<br>6 - 14/2c(s) (DETECTORS)<br>1 - #8 EGC                        |
| (K) 1-3' CONDUIT<br>5 - 14/2c(s) (DETECTORS)<br>1 - #8 EGC  | (U) 1-2' CONDUIT<br>1 - 14/7c (HEADS P3)<br>1 - 14/2c (PB3)<br>1 - #8 EGC                 |
| (L) 1-3' CONDUIT<br>4 - 14/7c (HEADS 3,4,4A,P6)<br>1 - 14/2c (PB6)<br>2 - EPDC<br>1 - VDC<br>1 - #8 EGC           | (V) 1-2' CONDUIT (BORED)<br>2 - 14/2c(s) (DETECTORS)<br>1 - #8 EGC                        |
| (M) 1-2' CONDUIT (BORED)<br>1 - 14/7c (HEADS P6)<br>1 - 14/2c (PB6)<br>1 - #8 EGC                                 |   |
- ACRONYM / ABBREVIATION DEFINITION:  
(s) - Shielded Cable  
(M) - Metal Conduit  
VDC - Video Detection Cable  
EPDC - Emergency Preemption Detector Cable  
EGC - Equipment Grounding Conductor  
PB - Push Button

### JUNCTION BOX LEGEND

All Junction Boxes shall conform to S't.d. JB-S2 unless otherwise noted on the plans.  
(S2) Denotes S't.d. JB-S2  
(S1) Denotes S't.d. JB-S1

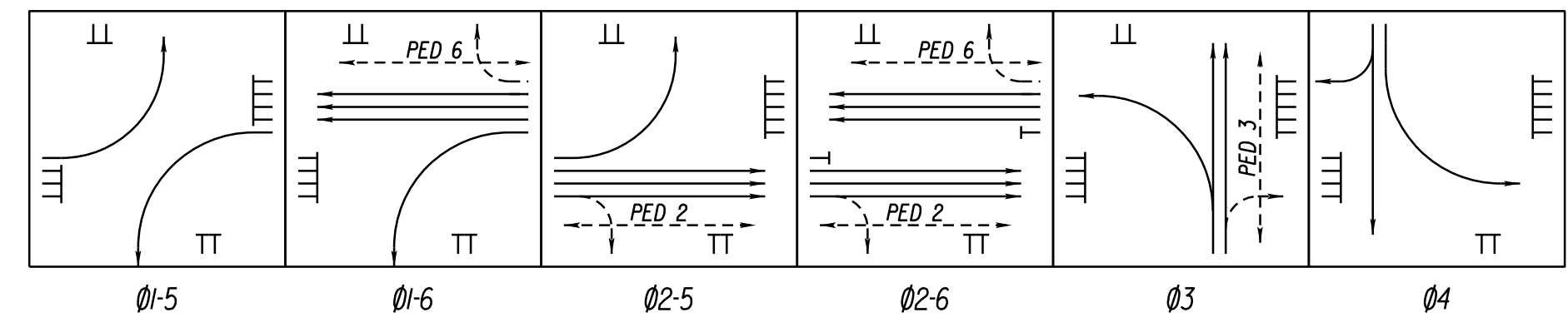


### Color Sequence Chart

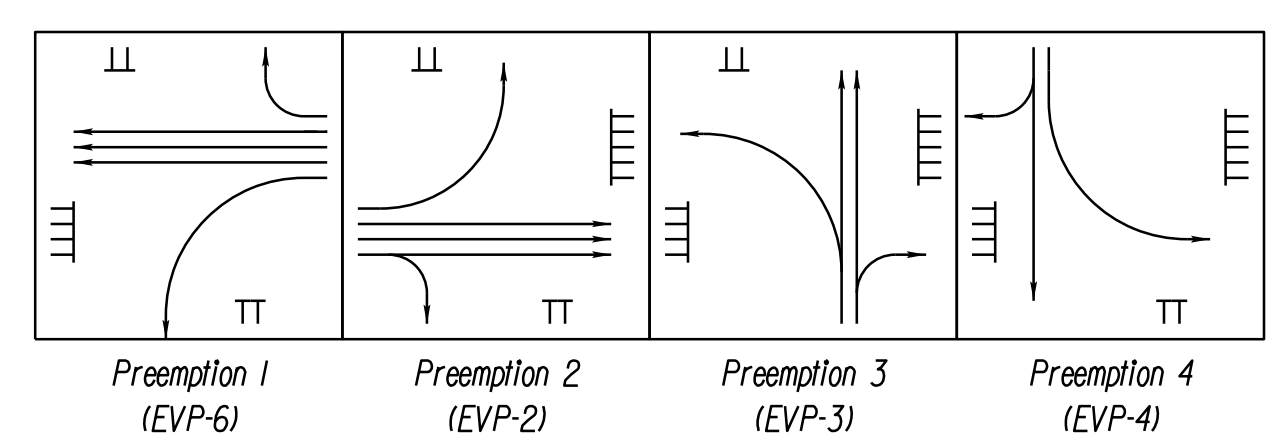
SIGNAL	PHASES						COMBINATIONS				FLASH
	1	2	3	4	5	6	1-5	1-6	2-5	2-6	
1	-G						-G	-G			-R
2		G							G	G	Y
3			G								R
4				G							R
4A				G							R
5					-G		-G	-G			-R
6						G		G	G	G	Y
6A						G		G	G	G	Y
P2	DW	W	DW	DW	DW	DW	DW	DW	W	W	BLANK
P3	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	BLANK
P6	DW	DW	DW	DW	DW	DW	DW	DW	W	DW	W

EMPTY BOX DENOTES RED INDICATION (RED BALL).

### Phasing Diagram



### Preemption Diagram



- NOTE:
- The Contractor to remove and dispose the signal pole, pole foundation, mast arm, all signal heads, pre-emption detectors, signs and cables.
  - The Contractor to remove and dispose the existing signal controller cabinets with all components inside it, the cabinet foundation and all cables.
  - The Contractor to install an underground splice enclosure and splice the existing Fiber Optic Cable to the proposed controller cabinet.
  - The Contractor to modify the existing junction box.

REFERENCES (PLAN AND DETAIL SHEETS)	TRAFFIC CONTROL DEVICE PLANS	TRAFFIC SIGNALS PLAN
CF-5 FOUNDATION DETAILS	XX	
SIGN FIGURE & ELECT. DETAILS	XX	
FIBER SPLICE DIAGRAM	XX	
	XX	
	XX	
	XX	

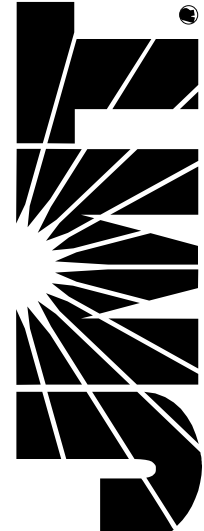
DUMFRIES / PRINCE WILLIAM COUNTY  
SCALE: 0 25' 50'  
PROJECT: 0001-212-249  
SHEET NO.: 22(3)

R/W PLANS

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PROJECT MANAGER: *Huong Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation*  
SURVEYED BY: DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*  
DESIGN BY: *JMT Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY: DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*

SPEED LIMITS	
RTE. 1	35 MPH
GRAHAM PARK ROAD	25 MPH

# SIGNAL PLAN

### JUNCTION BOX LEGEND

All Junction Boxes shall conform to S'd. JB-S2 unless otherwise noted on the plans.  
 (S3) Denotes S'd. JB-S3  
 (S1) Denotes S'd. JB-S1

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, RW-201, C-501	22(4)

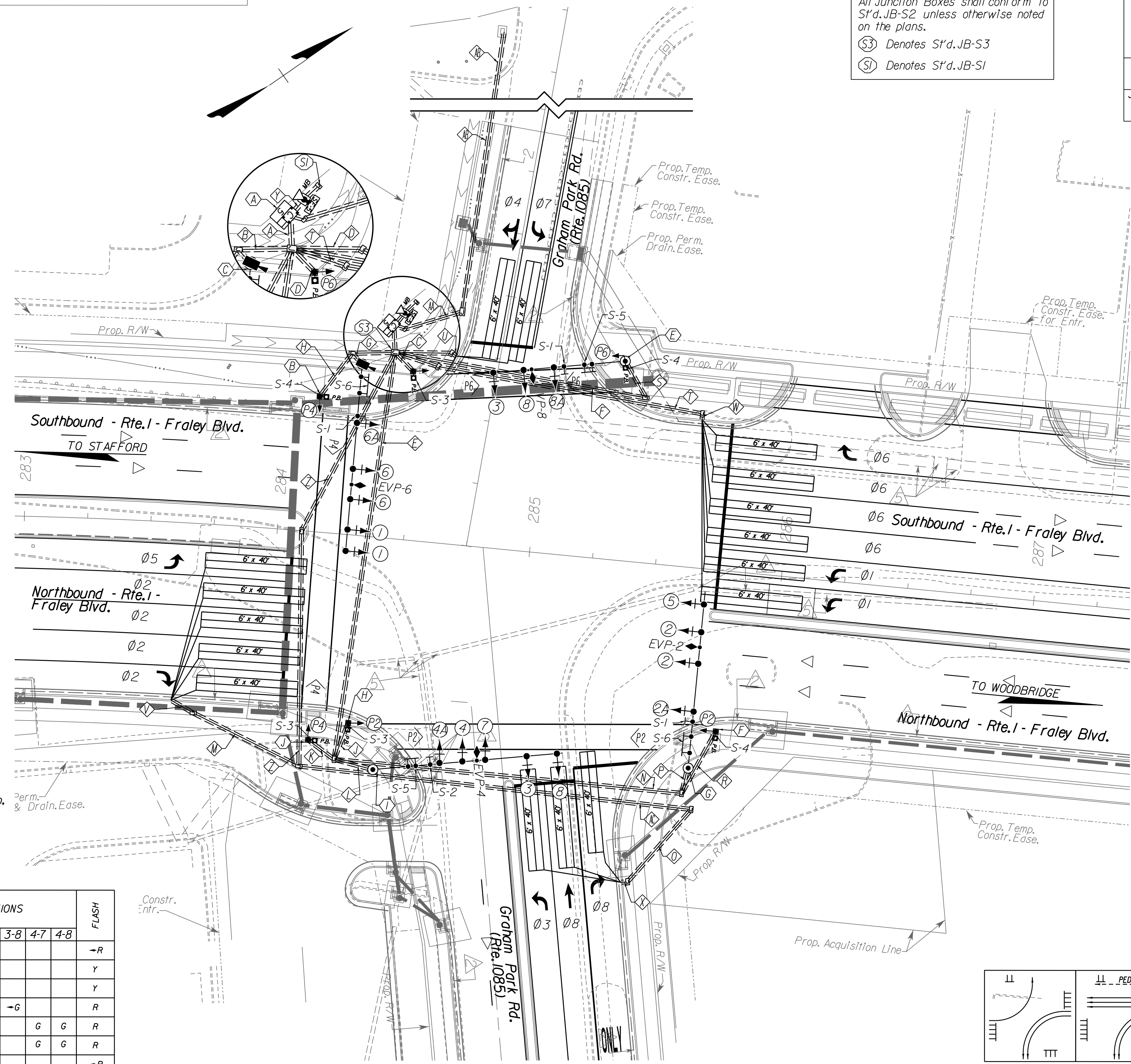
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirimiran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER

### CABLE AND CONDUIT LEGEND

<ul style="list-style-type: none"> <li>1-3" CONDUIT</li> <li>6-14/7c (HEADS 1,3,6,6A,8,8A)</li> <li>2-EPDC</li> <li>1-VDC</li> <li>1-8 EGC</li> <li>1-3" CONDUIT</li> <li>8-14/7c (HEADS 2,2A,3,4,4A,5,7,8)</li> <li>2-EPDC</li> <li>1-8 EGC</li> <li>1-4" CONDUIT</li> <li>6-14/7c (HEADS P2,P4,P6)</li> <li>6-14/2c (PB2,PB4,PB6)</li> <li>1-8 EGC</li> <li>1-3" CONDUIT</li> <li>8-14/2c(s) (DETECTORS)</li> <li>1-8 EGC</li> <li>1-3" CONDUIT</li> <li>8-14/2c(s) (DETECTORS)</li> <li>1-8 EGC</li> <li>1-3" CONDUIT</li> <li>4-14/7c (HEADS 1,6,6A,P4)</li> <li>1-14/2c (PB4)</li> <li>1-EPDC</li> <li>1-VDC</li> <li>1-8 EGC</li> <li>1-2" CONDUIT</li> <li>1-14/7c (HEADS P6)</li> <li>1-14/2c (PB6)</li> <li>1-8 EGC</li> <li>1-2" CONDUIT</li> <li>2-14/2c(s) (DETECTORS)</li> <li>1-8 EGC</li> <li>1-3" CONDUIT (BORED)</li> <li>7-14/7c (HEADS 3,4,4A,7,8,P2,P4)</li> <li>2-14/2c (PB2,PB4)</li> <li>1-EPDC</li> <li>1-8 EGC</li> <li>1-3" CONDUIT (BORED)</li> <li>4-14/7c (HEADS 2,2A,5,P2)</li> <li>1-14/2c (PB2)</li> <li>1-EPDC</li> <li>1-8 EGC</li> <li>1-3" CONDUIT (BORED)</li> <li>4-14/7c (HEADS 3,8,8A,P6)</li> <li>1-14/2c (PB6)</li> <li>1-EPDC</li> <li>1-8 EGC</li> <li>1-3" CONDUIT</li> <li>3-14/7c (HEADS 1,6,6A)</li> <li>1-EPDC</li> <li>1-VDC</li> <li>1-8 EGC</li> <li>1-2" CONDUIT</li> <li>1-14/7c (HEADS P4)</li> <li>1-14/2c (PB4)</li> <li>1-8 EGC</li> <li>1-2" CONDUIT</li> <li>1-14/7c (HEADS P2)</li> <li>1-14/2c (PB2)</li> <li>1-8 EGC</li> <li>1-2" CONDUIT</li> <li>1-14/7c (HEADS P4)</li> <li>1-14/2c (PB4)</li> <li>1-8 EGC</li> </ul>	<ul style="list-style-type: none"> <li>1-2" CONDUIT</li> <li>3-14/7c (HEADS 4,4A,7)</li> <li>1-EPDC</li> <li>1-8 EGC</li> <li>1-3" CONDUIT</li> <li>5-14/2c(s) (DETECTORS)</li> <li>1-8 EGC</li> <li>1-3" CONDUIT (BORED)</li> <li>4-14/7c (HEADS 2,2A,5,P2)</li> <li>1-14/2c (PB2)</li> <li>1-EPDC</li> <li>1-8 EGC</li> <li>1-2" CONDUIT</li> <li>3-14/2c(s) (DETECTORS)</li> <li>1-8 EGC</li> <li>1-2" CONDUIT</li> <li>3-14/7c (HEADS 2,2A,5)</li> <li>1-EPDC</li> <li>1-8 EGC</li> <li>1-2" CONDUIT</li> <li>1-14/7c (HEADS P2)</li> <li>1-14/2c (PB2)</li> <li>1-8 EGC</li> <li>1-3" CONDUIT</li> <li>4-14/7c (HEADS 3,8,8A,P6)</li> <li>1-14/2c (PB6)</li> <li>1-EPDC</li> <li>1-8 EGC</li> <li>1-3" CONDUIT (BORED)</li> <li>6-14/2c(s) (DETECTORS)</li> <li>1-8 EGC</li> <li>2-1" CONDUIT (M)</li> <li>5-1" CONDUIT (M)</li> <li>6-1" CONDUIT (M)</li> <li>3-1" CONDUIT (M)</li> <li>1-2" CONDUIT</li> <li>3-8 (ELECT. SERVICE)</li> <li>1-8 EGC</li> <li>1-3" CONDUIT (BORED)</li> <li>8-14/2c(s) (DETECTORS)</li> <li>1-8 EGC</li> <li>1-2" CONDUIT</li> <li>W/ 110lb PULL ROPE (Empty for Comm.)</li> <li>1-2" CONDUIT (BORED)</li> <li>W/ 110lb PULL ROPE (Empty for Comm.)</li> <li>1-2" CONDUIT (BORED)</li> <li>3-14/2c(s) (DETECTORS)</li> <li>1-8 EGC</li> </ul>
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ACRONYM/ABBREVIATION DEFINITION:  
 (s) - Shielded Cable  
 (M) - Metal Conduit  
 VDC - Video Detection Cable  
 EPDC - Emergency Preemption Detector Cable  
 EGC - Equipment Grounding Conductor  
 PB - Push Button



### Signal Pole & Controller Legend

- (ALL DIMENSIONS ARE TO CENTER OF POLE)
- (A) CONTROLLER CABINET & FOUNDATION (CF-5)  
Cabinet door hinge location on right side of pad
  - (B) PEDESTAL POLE (PF-2), 10'
  - (C) SIGNAL POLE MP-3, TYPE BI  
75' Arm 90° Angle to Rte. 1 Constr. @
  - (D) PEDESTAL POLE (PF-2), 10'
  - (E) SIGNAL POLE MP-3, TYPE BI  
60' Arm 170° Angle to Rte. 1 Constr. @
  - (F) PEDESTAL POLE (PF-2), 10'
  - (G) SIGNAL POLE MP-3, TYPE BI  
70' Arm 270° Angle to Rte. 1 Constr. @
  - (H) PEDESTAL POLE (PF-2), 10'
  - (I) SIGNAL POLE MP-3, TYPE BI  
75' Arm 349.5° Angle to Rte. 1 Constr. @
  - (J) PEDESTAL POLE (PF-2), 10'

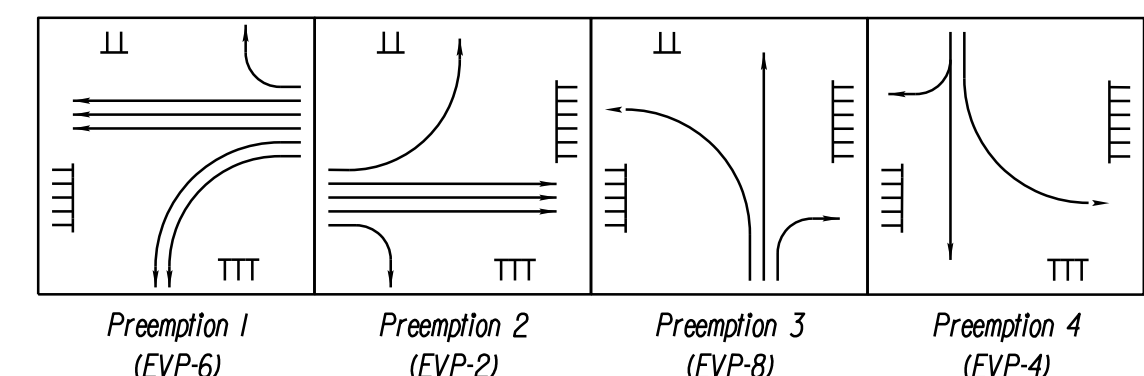
NOTE:  
 1. The Contractor to remove and dispose the signal pole, pole foundation, mast arm, all signal heads, pre-emption detectors, signs and cables.  
 2. The Contractor to remove and dispose the existing signal controller cabinets with all components inside it, the cabinet foundation and all cables.

### Color Sequence Chart

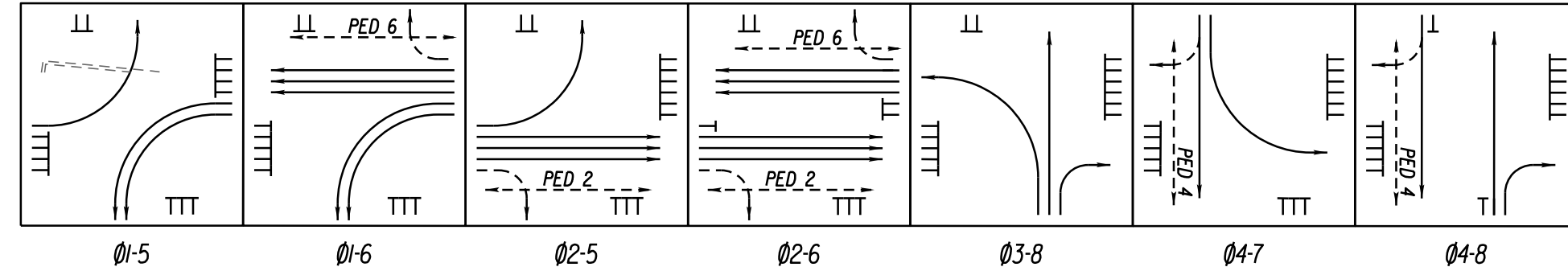
SIGNAL	PHASES								COMBINATIONS								FLASH
	1	2	3	4	5	6	7	8	1-5	1-6	2-5	2-6	3-8	4-7	4-8		
1	-G								-G	-G						-R	
2		G									G	G				Y	
2A		G									G	G				Y	
3			-G										-G			R	
4				G									G	G		R	
4A				G									G	G		R	
5					-G						-G	-G				-R	
6						G					G	G				Y	
6A						G					G	G				Y	
7							-G						-G			Y	
8								G					G	G		R	
8A								G					G	G		R	
P2	DW	W	DW	DW	DW	DW	DW	DW	DW	DW	W	W	DW	DW	W	BLANK	
P4	DW	DW	DW	W	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	BLANK	
P6	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	BLANK	

EMPTY BOX DENOTES RED INDICATION (RED BALL).

### Preemption Diagram



### Phasing Diagram



### Proposed Signs

S-1: R3-5R (30' x 36') QUANTITY - 1 EA.

S-2: R3-6R (30' x 36') QUANTITY - 1 EA.

S-3: RIO-3e R 9'x15" QUANTITY - 3 EA.

S-4: RIO-3e L 9'x15" QUANTITY - 3 EA.

S-5: 1 Fralely Blvd QUANTITY - 2 EA. See 22(2A) for Details (78' x 18').

S-6: Graham Park Rd QUANTITY - 2 EA. See 22(2A) for Details (114' x 18').

S-9: SP-9 QUANTITY - 2 EA.

### REFERENCES (PLAN AND DETAIL SHEETS)

CF-5 FOUNDATION DETAILS XX  
 SIGN FIGURE & ELECT. DETAILS XX  
 FIBER SPLICE DIAGRAM XX

### TRAFFIC CONTROL DEVICE PLANS

TRAFFIC SIGNALS PLAN

DUMFRIES / PRINCE WILLIAM COUNTY

SCALE: 0 25 50

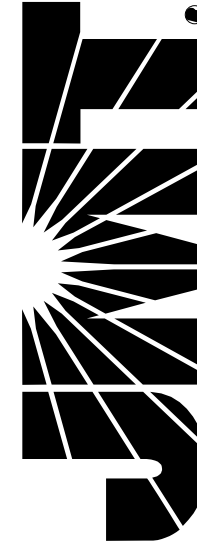
PROJECT: 0001-212-249

SHEET NO.: 22(4)

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



**JOHNSON, MIRIRAN & THOMPSON**  
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Phone: (804) 323-9900



PROJECT MANAGER: *Hoa Lam, Nguyen, P.E. (703) 792-8161 PWC, Dept. of Transportation*  
SURVEYED BY, DATE: *Leon E. Treutle, LS (703) 259-3224 7/17/13*  
DESIGN BY: *JMT, Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE: *Leon E. Treutle, LS (703) 259-3224 7/17/13*

SPEED LIMITS	
RTE. 1	35 MPH
POSSUM POINT ROAD	25 MPH

# SIGNAL PLAN

**JUNCTION BOX LEGEND**  
All Junction Boxes shall conform to S'd.JB-S2 unless otherwise noted on the plans.  
Ⓢ Denotes S'd.JB-S3  
Ⓠ Denotes S'd.JB-S1

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1	0001-212-249, RW-201, C-501	22(15)

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

Johnson, Miriran & Thompson  
Herndon, Virginia  
TRAFFIC ENGINEER

**CABLE AND CONDUIT LEGEND**

Ⓛ 1-3" CONDUIT 5-14/7c (HEADS 2,P2,P4) 4-14/2c (PB2,PB4) 1-8 EGC	Ⓛ 1-2" CONDUIT 1-14/7c (HEADS 2) 1-EPDC 1-8 EGC
Ⓛ 1-3" CONDUIT 6-14/7c (HEADS 1,3,4,6,7,8) 4-EPDC 1-8 EGC	Ⓛ 1-2" CONDUIT 1-14/7c (HEADS P2) 1-14/2c (PB2) 1-8 EGC
Ⓛ 1-3" CONDUIT 4-14/2c(s) (DETECTORS) 1-8 EGC	Ⓛ 1-2" CONDUIT (BORED) 1-14/7c (HEADS P2) 1-14/2c (PB2) 1-8 EGC
Ⓛ 1-3" CONDUIT 4-14/2c(s) (DETECTORS) 1-8 EGC	Ⓛ 1-2" CONDUIT 1-14/7c (HEADS P2) 1-14/2c (PB2) 1-8 EGC
Ⓛ 1-3" CONDUIT 4-14/2c(s) (DETECTORS) 1-8 EGC	Ⓛ 4-1" CONDUIT (M) Ⓛ 2-1" CONDUIT (M)
Ⓛ 1-2" CONDUIT (BORED) 3-14/2c(s) (DETECTORS) 1-8 EGC	Ⓛ 1-2" CONDUIT 3-8 TELECT.SERVICE 1-8 EGC
Ⓛ 1-3" CONDUIT (BORED) 5-14/7c (HEADS 2,P2,P4) 4-14/2c (PB2,PB4) 1-EPDC 1-8 EGC	Ⓛ 1-3" CONDUIT (BORED) 8-14/2c(s) (DETECTORS) 1-8 EGC
Ⓛ 1-2" CONDUIT 2-14/2c(s) (DETECTORS) 1-8 EGC	Ⓛ 1-2" CONDUIT (BORED) 2-14/2c(s) (DETECTORS) 1-8 EGC
Ⓛ 1-2" CONDUIT 1-14/7c (HEADS P4) 1-14/2c (PB4) 1-8 EGC	Ⓛ 1-2" CONDUIT 4-14/2c(s) (DETECTORS) 1-8 EGC
Ⓛ 1-3" CONDUIT (BORED) 4-14/7c (HEADS 2,P2,P4) 3-14/2c (PB2,PB4) 1-EPDC 1-8 EGC	ACRONYM/ABBREVIATION DEFINITION: Ⓛ (s) - Shielded Cable Ⓛ (M) - Metal Conduit Ⓛ VDC - Video Detection Cable Ⓛ EPDC - Emergency Preemption Detector Cable Ⓛ EGC - Equipment Grounding Conductor Ⓛ PB - Push Button

**Proposed Signs**

S-1 ONLY (R3-5R) (30' x 36") QUANTITY - 1 EA.

S-2 ONLY (R3-6L) (30' x 36") QUANTITY - 2 EA.

S-3 ONLY (R3-6L) (30' x 36") QUANTITY - 1 EA.

S-4 (RIO-3e R) (9'x15") QUANTITY-2 EA.

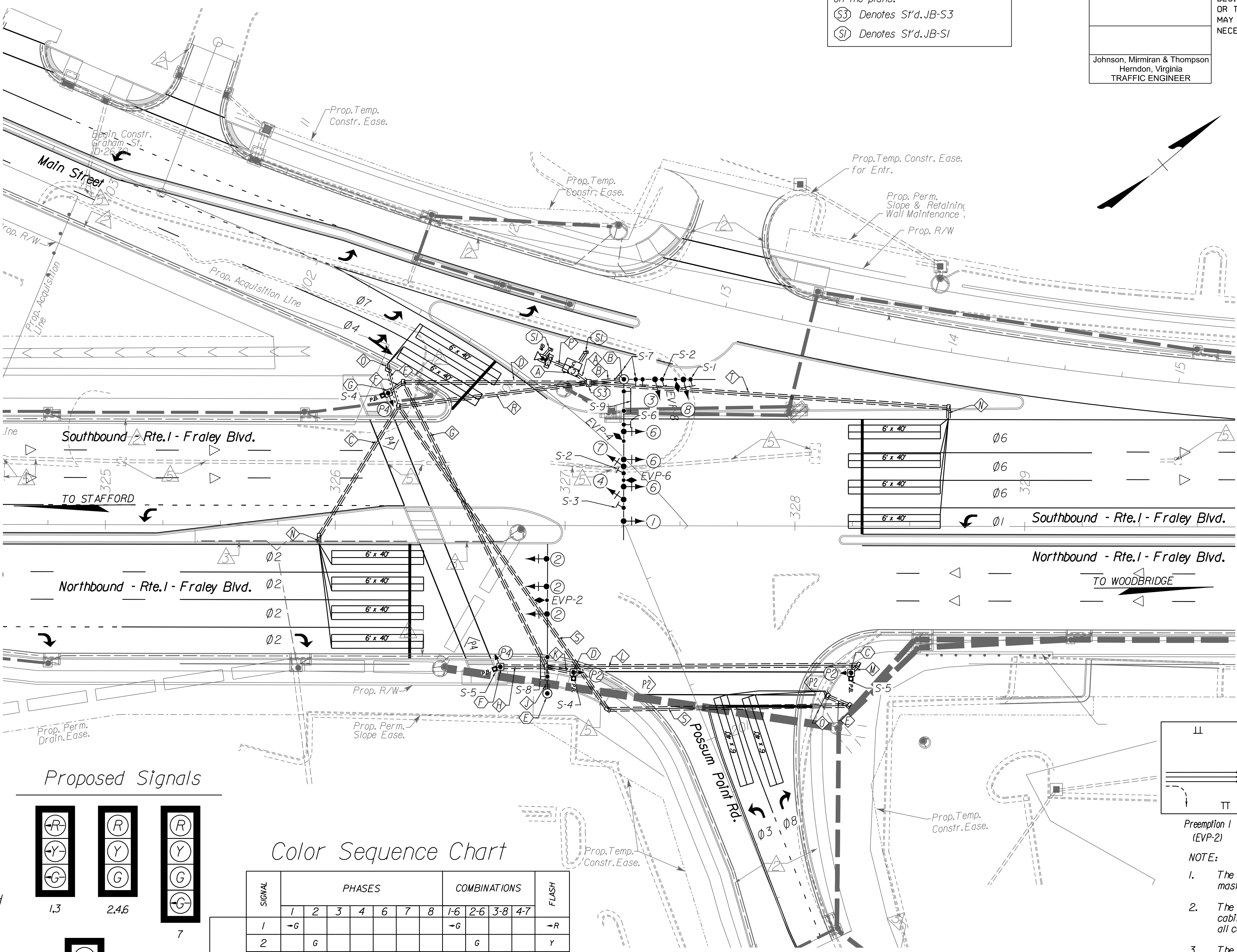
S-5 (RIO-3e L) (9'x15") QUANTITY-2 EA.

S-6 (R3-1) (36'x36") QUANTITY-1 EA.

S-7 **1 Fraley Blvd** See 22(2A) for Details (78' x 18") QUANTITY - 2 EA.

S-8 **Possum Point Rd** See 22(2A) for Details (138' x 18") QUANTITY - 1 EA.

S-9 **Possum Point Rd** See 22(2A) for Details (138' x 18") QUANTITY - 1 EA.



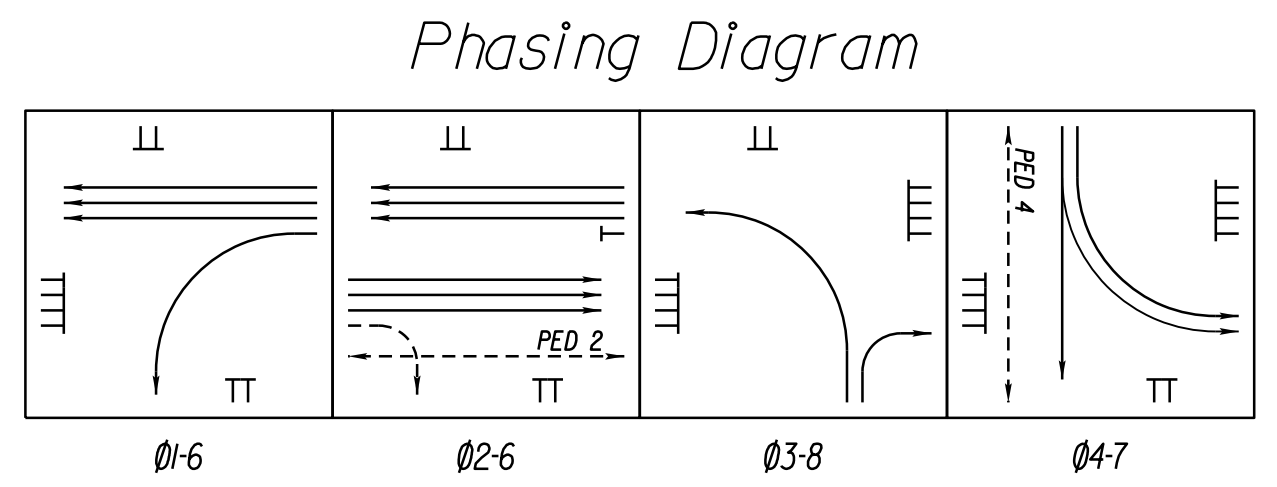
**Proposed Signals**

1.3, 2.4.6, 7, 8, SP-9, P2, P4

**Color Sequence Chart**

SIGNAL	PHASES								COMBINATIONS				FLASH
	1	2	3	4	6	7	8	1-6	2-6	3-8	4-7		
1	-G								-G			-R	
2		G							G			Y	
3			-G							-G		-R	
4				G							G	R	
6					G			G	G			Y	
7						-G				-G		R	
8							G			G	-G	R	
P2	DW	W	DW	DW	DW	DW	DW	DW	W	DW	DW	BLANK	
P4	DW	DW	DW	W	DW	DW	DW	DW	DW	DW	W	BLANK	

EMPTY BOX DENOTES RED INDICATION (RED BALL).



**Preemption Diagram**

NOTE:

- The Contractor to remove and dispose the signal pole, pole foundation, mast arm, all signal heads, pre-emption detectors, signs and cables.
- The Contractor to remove and dispose the existing signal controller cabinets with all components inside it, the cabinet foundation and all cables.
- The Contractor to modify the existing junction box.

**REFERENCES (PLAN AND DETAIL SHEETS)**

CF-5 FOUNDATION DETAILS	XX
SIGN FIGURE & ELECT.DETAILS	XX
FIBER SPLICE DIAGRAM	XX

**TRAFFIC CONTROL DEVICE PLANS**

TRAFFIC SIGNALS PLAN

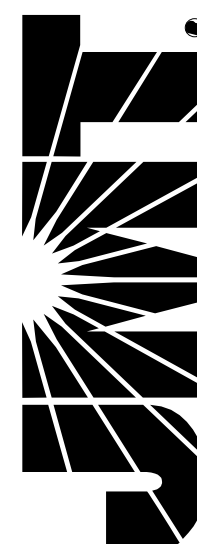
DUMFRIES / PRINCE WILLIAM COUNTY

SCALE: 0 25' 50'

PROJECT: 0001-212-249

SHEET NO. 22(15)

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

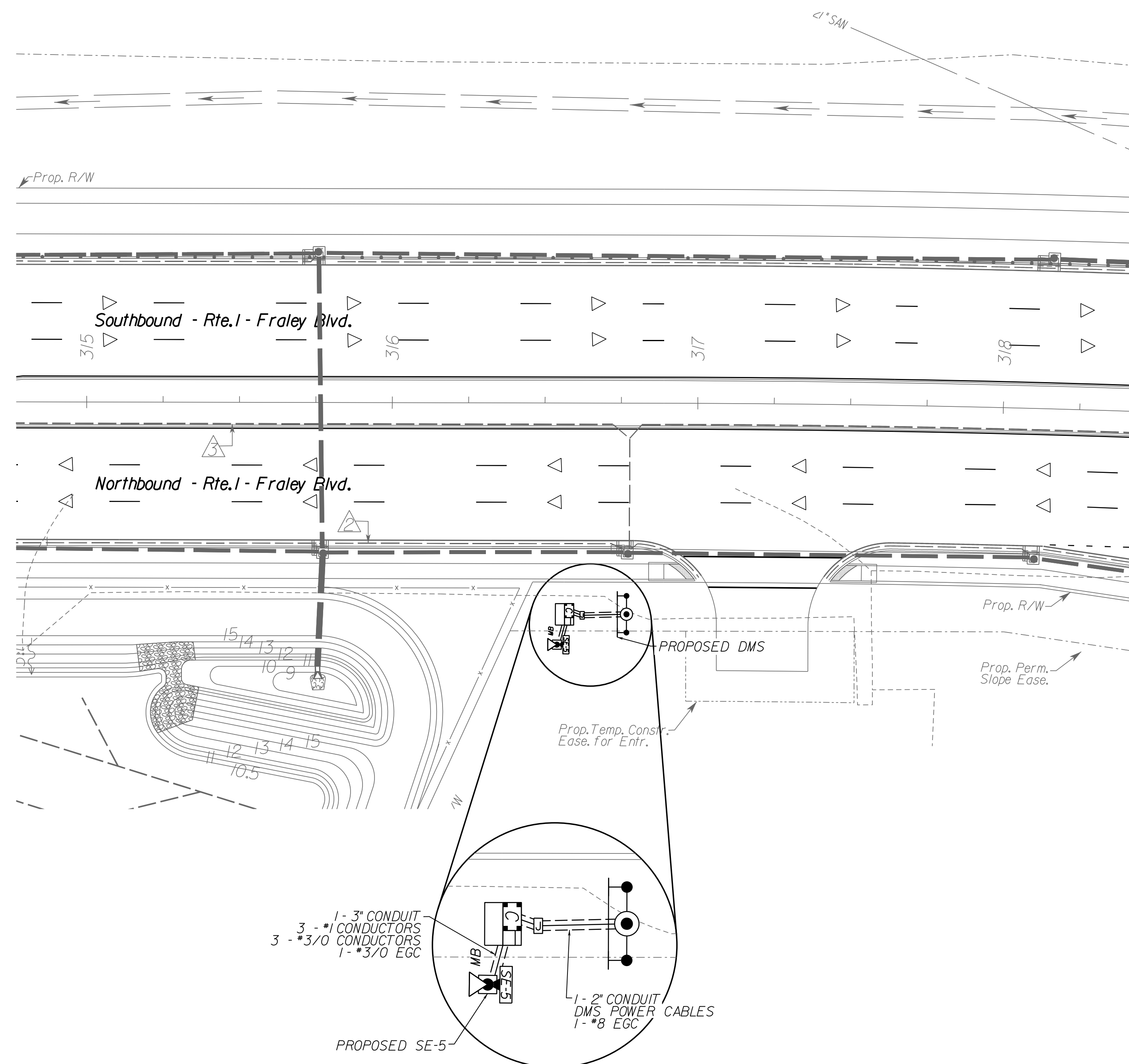


PROJECT MANAGER *Hoa Tram Nguyen, P.E. (703) 792-8161 PWC Dept. of Transportation*  
SURVEYED BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*  
DESIGN BY *JMT Engineering (804) 323-9900*  
SUBSURFACE UTILITY BY, DATE *Leon E. Treutle, LS (703) 259-3224 7/17/13*

SPEED LIMITS	
RTE. 1	35 MPH

# DMS PLAN

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1	0001-212-249, RW-201, C-501	22(6)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Miriran & Thompson Herndon, Virginia TRAFFIC ENGINEER				



**JUNCTION BOX LEGEND**

All Junction Boxes shall conform to S'd. JB-S2 unless otherwise noted on the plans.

(S3) Denotes S't'd. JB-S3  
(S1) Denotes S't'd. JB-S1

**REFERENCES**  
( PLAN AND DETAIL SHEETS)

CF-5 FOUNDATION DETAILS	XX
SIGN FIGURE & ELECT. DETAILS	XX
FIBER SPLICE DIAGRAM	XX

**TRAFFIC CONTROL DEVICE PLANS**

DMS  
PLAN

DUMFRIES / PRINCE WILLIAM COUNTY

SCALE 0 25' 50'

PROJECT 0001-212-249

SHEET NO. 22(6)

R/W PLANS

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



STATE	FEDERAL AID	STATE	SHEET NO.
ROUTE	PROJECT	ROUTE	PROJECT
VA.	STP-5A01 (228)	I	0001-212-249, B6XX
Federal Structure No. 00000000031173		FHWA Construction and Scour Code: <b>X081-S5</b>	
Federal Stewardship and Oversight Code: F0		UPC No. 119481	

**DESIGN EXCEPTION(S):**

None.

**GENERAL NOTES:**

The original approved sheet, including original signatures, is filed in the VDOT Central Office. Any misuse of electronic files, including scanned signatures, is illegal. Violators will be prosecuted to the full extent of the applicable laws.

Widths: 14'-0" shared use path, 51'-0" roadway, 4'-0" median, 39'-0" roadway, 6'-7" sidewalk.  
Overall width 115'-7" face-to-face of curbs.

Span layout: 91'-7" - 91'-7" - 91'-7" prestressed concrete bulb-T beam spans continuous for live load.

Capacity: HL-93 loading.

Drainage area: 27.1 sq. mi.

**Specifications:**

Construction: Virginia Department of Transportation Road and Bridge Specifications, 2016.

Design: AASHTO LRFD Bridge Design Specifications, 8th Edition, 2017; and VDOT Modifications.

Standards: Virginia Department of Transportation Road and Bridge Standards, 2016; including all current revisions.

These plans are incomplete unless accompanied by the Supplemental Specifications and Special Provisions included in the contract documents.

This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2011 and latest revisions.

Design loading includes 20 psf allowance for construction tolerances and construction methods.

Design loading includes 15 psf allowance for future wearing surface.

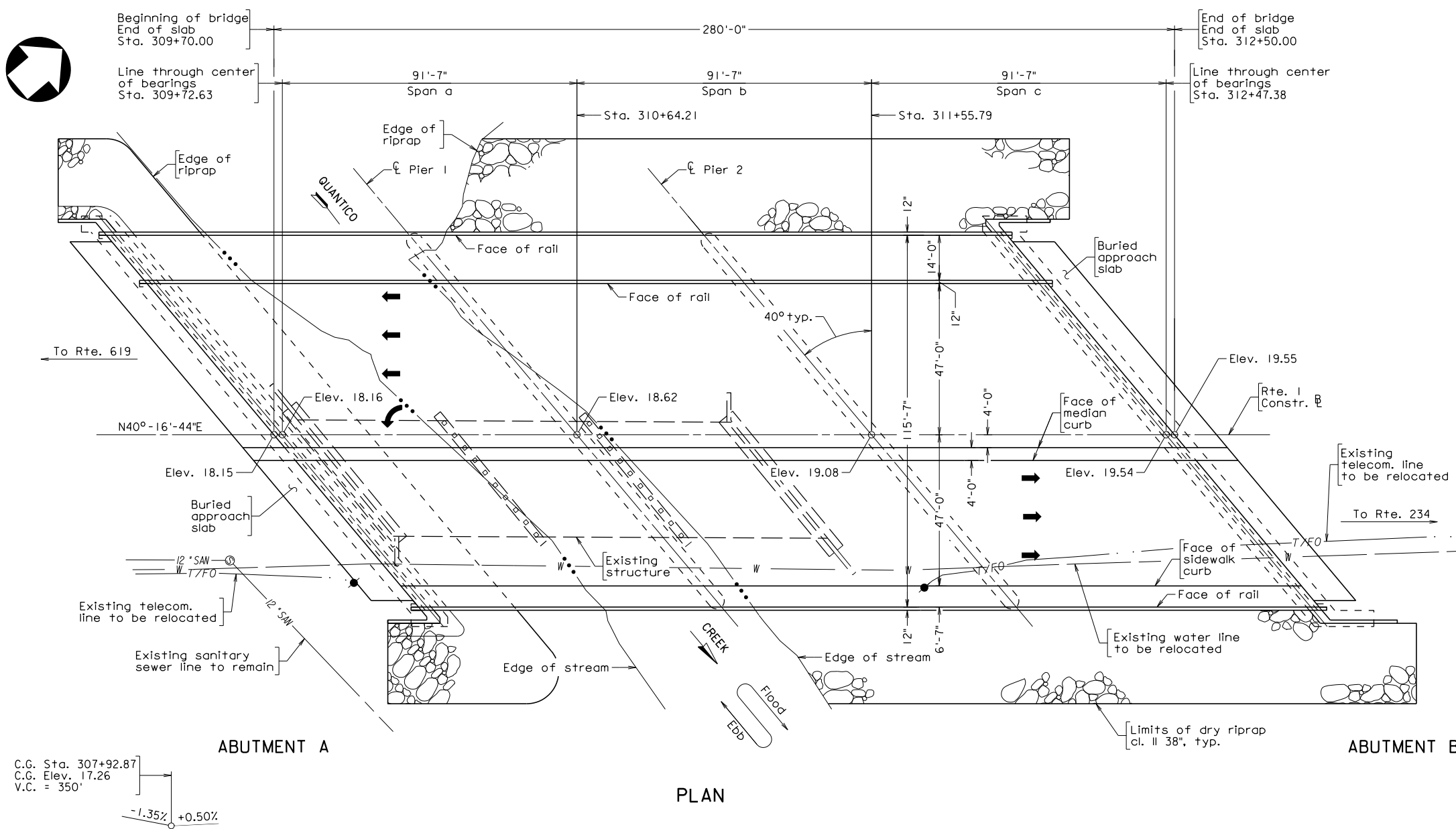
Prestressed concrete in beams shall be Class A5 having a minimum compressive cylinder strength at 28 days equal to 8,000 psi and a minimum compressive cylinder strength at time of release of strands equal to 6,400 psi.

Concrete in superstructure, rails, and terminal walls shall be Low Shrinkage Class A4 Modified in accordance with Section 217.12(a) of the Specifications. Concrete in abutments and pier shall be Class A3.

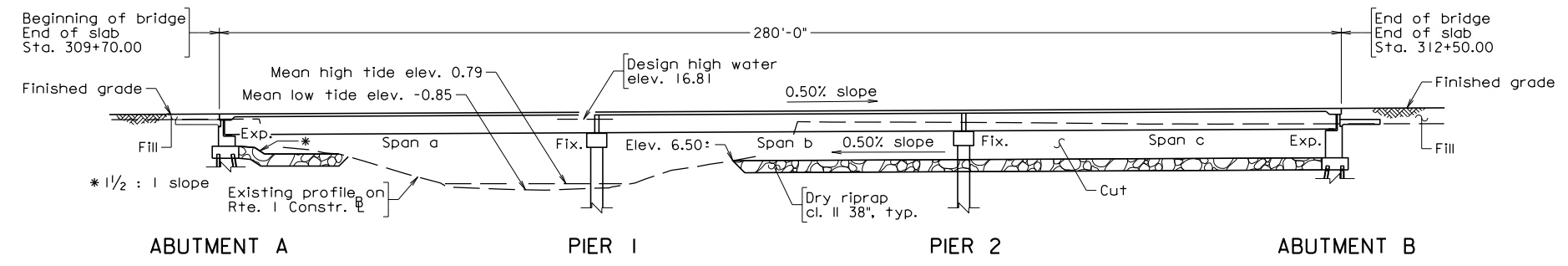
All reinforcing steel shall be deformed and shall conform to ASTM A615, Grade 60 except for steels noted as Corrosion Resistant Reinforcing (CRR) which shall conform to Section 223 of the Specifications. All reinforcing bar dimensions on the detailed drawings are to centers of bars except where otherwise noted and are subject to fabrication and construction tolerances.

VA Structure No. of existing bridge 076-1005. Plan No. is 262-72.

The Bridge Data Plate shall be installed in accordance with VDOT's Road and Bridge Standards and obtained from the District Structure and Bridge Office.



**PLAN**



**DEVELOPED SECTION ALONG RTE. 1 CONSTR.**



**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PROPOSED BRIDGE ON**

**RTE. 1 (FRALEY BLVD) OVER QUANTICO CREEK  
PRINCE WILLIAM COUNTY - 0.8 MI. S. OF RTE. 234  
PROJ. 0001-212-249, B6XX**

JOHNSON, MIRIRAN & THOMPSON HERNDON, VA STRUCTURAL ENGINEER	
PLANS BY:	Johnson, Miriran & Thompson
COORDINATED:	Vicente S. Valeza
SUPERVISED:	David G. Hieber
DESIGNED:	Christopher J. Friend
DRAWN:	Christopher J. Friend
CHECKED:	Prasad L. Nallapaneni

**PRELIMINARY PLANS  
THESE PLANS NOT TO BE USED  
FOR CONSTRUCTION**

No.	Description	Date
REVISIONS		
For Table of Revisions, see Sheet 2.		

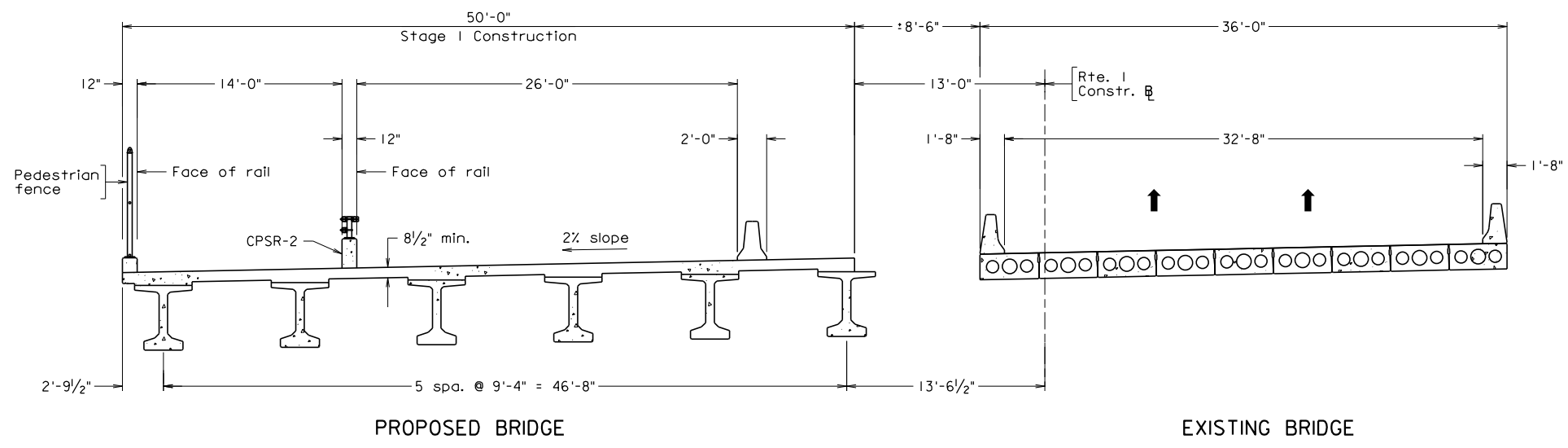
Recommended for Approval: \_\_\_\_\_ Date \_\_\_\_\_  
State Structure and Bridge Engineer

Approved: \_\_\_\_\_ Date \_\_\_\_\_  
Chief Engineer

**302-14**

Scale: 1" = 20'

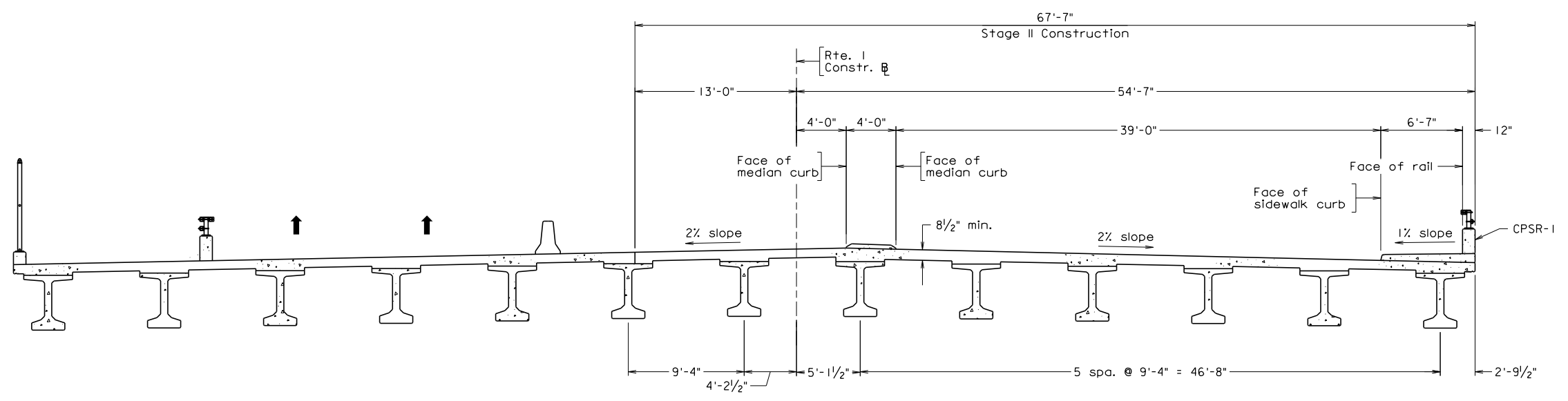
STATE	FEDERAL AID		STATE		SHEET NO.
	ROUTE	PROJECT	ROUTE	PROJECT	
VA.	—		I	0001-212-249, B6XX	2



PROPOSED BRIDGE

EXISTING BRIDGE

STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

302-14\_002.dgn

JOHNSON, MIRMIRAN & THOMPSON  
HERNDON, VA  
STRUCTURAL ENGINEER

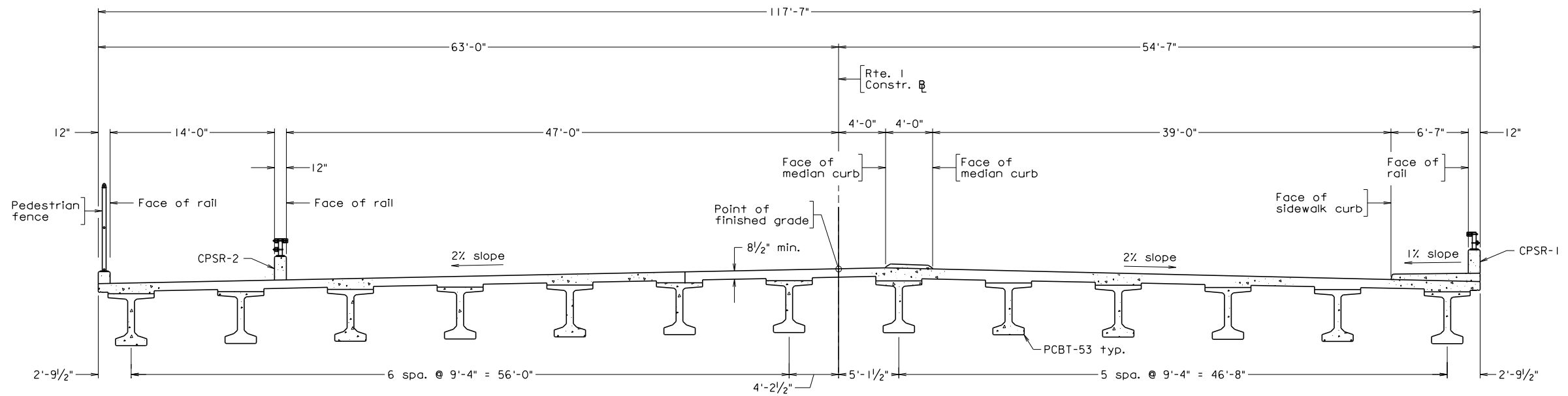
Scale: 3/16" = 1'-0"

**PRELIMINARY PLANS**  
THESE PLANS NOT TO BE USED  
FOR CONSTRUCTION

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COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION				
STRUCTURE AND BRIDGE DIVISION				
<b>SEQUENCE OF CONSTRUCTION</b>				
No.	Description	Date	Designed: C.J.F.	Date
			Drawn: C.J.F.	June 2022
			Checked: P.W.N.	
Revisions			Plan No.	Sheet No.
			302-14	2 of 4

STATE	FEDERAL AID		STATE		SHEET NO.
ROUTE	PROJECT		ROUTE	PROJECT	
VA.			I	0001-212-249, B6XX	3



TRANSVERSE SECTION

302-14\_003.dgn

JOHNSON, MIRIRAN & THOMPSON  
HERNDON, VA  
STRUCTURAL ENGINEER

**PRELIMINARY PLANS**  
THESE PLANS NOT TO BE USED  
FOR CONSTRUCTION

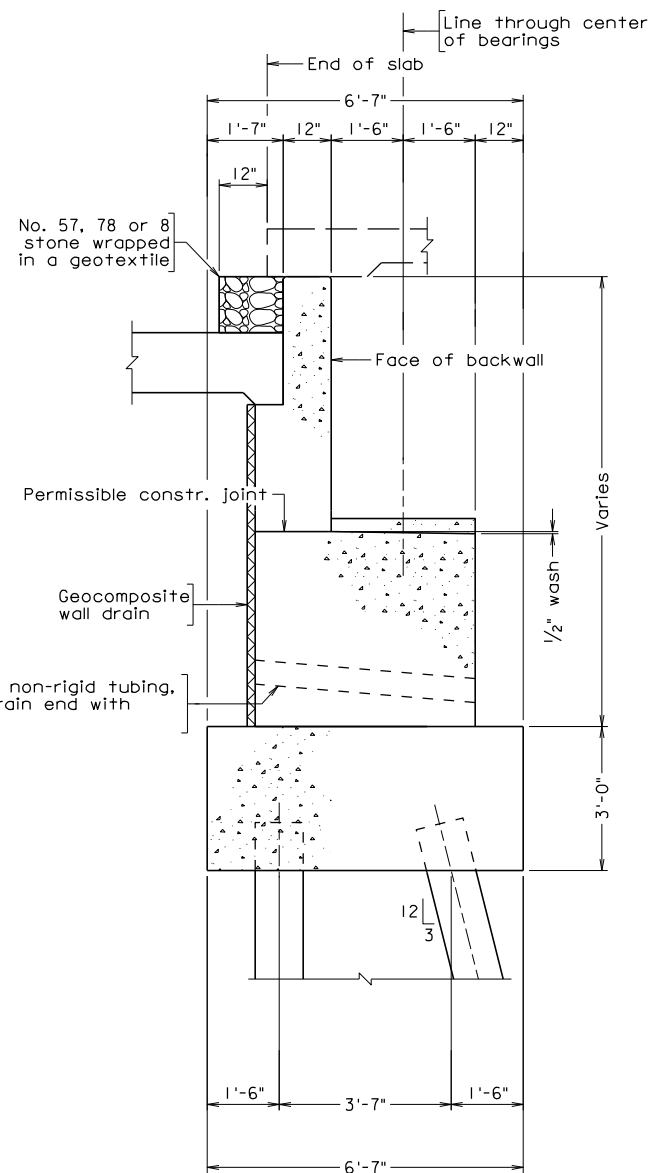
Scale: 3/16" = 1'-0"

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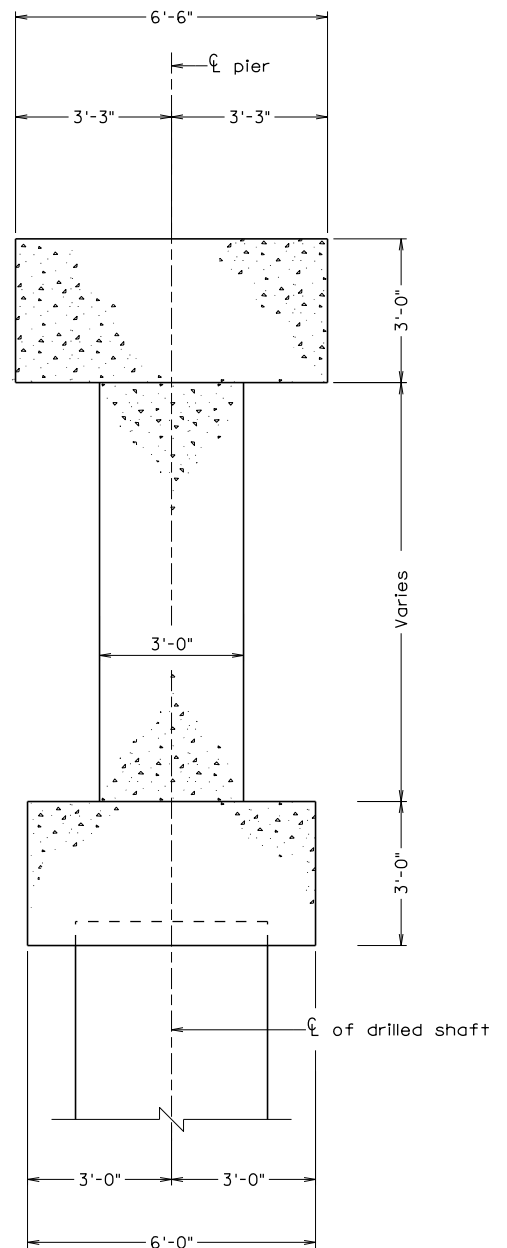
COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION				
STRUCTURE AND BRIDGE DIVISION				
<b>TRANSVERSE SECTION</b>				
No.	Description	Date	Designed: C.J.F.	Date
			Drawn: C.J.F.	June 2022
			Checked: P.W.N.	
Revisions			Plan No.	Sheet No.
			302-14	3 of 4



STATE	FEDERAL AID		STATE		SHEET
ROUTE	PROJECT		ROUTE	PROJECT	NO.
VA.			I	0001-212-249, B6XX	4



DECK SLAB EXTENSION ABUTMENT  
TYPICAL SECTION



PIER WALL  
TYPICAL SECTION

Scale: 1/2" = 1'-0"

**PRELIMINARY PLANS**  
THESE PLANS NOT TO BE USED  
FOR CONSTRUCTION

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302-14\_004.dgn

JOHNSON, MIRMIRAN & THOMPSON  
HERNDON, VA  
STRUCTURAL ENGINEER

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION				
STRUCTURE AND BRIDGE DIVISION				
<b>SUBSTRUCTURE SECTIONS</b>				
No.	Description	Date	Designed: C.J.F. Drawn: C.J.F. Checked: P.W.N.	Date June 2022
Revisions			Plan No. <b>302-14</b>	Sheet No. 4 of 4