

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

INDEX OF SHEETS

REVISED	STATE		STATE		SHEET NO.
	STATE	ROUTE	PROJECT	PROJECT	
	VA.	627	XXXX-XXX-XXX P101		1B

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

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ID	Revision Data Sheet	* 20(I)-20(XX)	Signalizations Plans
* IE	Hydrologic and Hydraulic Data Sheet	* 21(I)-21(XX)	Landscaping Plans
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* IJ	Stream Flow Hydrograph Sheet		
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* IL(1)-IL(XX)	Temporary Traffic Control Plan - Stage 2		
* IM(1)-IM(XX)	Temporary Traffic Control Plan - Stage 3		
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4	Grading, Drainage and Pavement Plan - Van Buren Road - Sta. 114+00.00 Thru Sta. 128+00.00		
4A	- Access Road - Sta. 10+00.00 Thru Sta. 13+25.00 Profile - Van Buren Road - Sta. 114+00.00 Thru Sta. 128+00.00		
5	Grading, Drainage and Pavement Plan - Van Buren Road - Sta. 128+00.00 Thru Sta. 142+00.00		
5A	Profile - Van Buren Road - Sta. 128+00.00 Thru Sta. 142+00.00		
6	Grading, Drainage and Pavement Plan - Van Buren Road - Sta. 142+00.00 Thru Sta. 155+50.00		
6A	Profile - Van Buren Road - Sta. 142+00.00 Thru Sta. 155+50.00		
7	Grading, Drainage and Pavement Plan - Van Buren Road - Sta. 155+50.00 Thru Sta. 169+00.00		
7A	Profile - Van Buren Road - Sta. 155+50.00 Thru Sta. 169+00.00		
8	Grading, Drainage and Pavement Plan - Van Buren Road - Sta. 169+00.00 Thru Sta. 183+00.00		
8A	Profile - Van Buren Road - Sta. 169+00.00 Thru Sta. 183+00.00		
9	Grading, Drainage and Pavement Plan - Van Buren Road - Sta. 183+00.00 Thru Sta. 197+00.00		
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10A	Profile - Van Buren Road - Sta. 197+00.00 Thru Sta. 210+50.00		
11	Grading, Drainage and Pavement Plan - Van Buren Road - Sta. 210+50.00 Thru Sta. 224+00.00		
11A	Profile - Van Buren Road - Sta. 210+50.00 Thru Sta. 224+00.00		
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15A	Profile - Access Road - Sta. 10+00.00 Thru Sta. 19+30.00		

* Denotes Sheets Not Included In This Submission

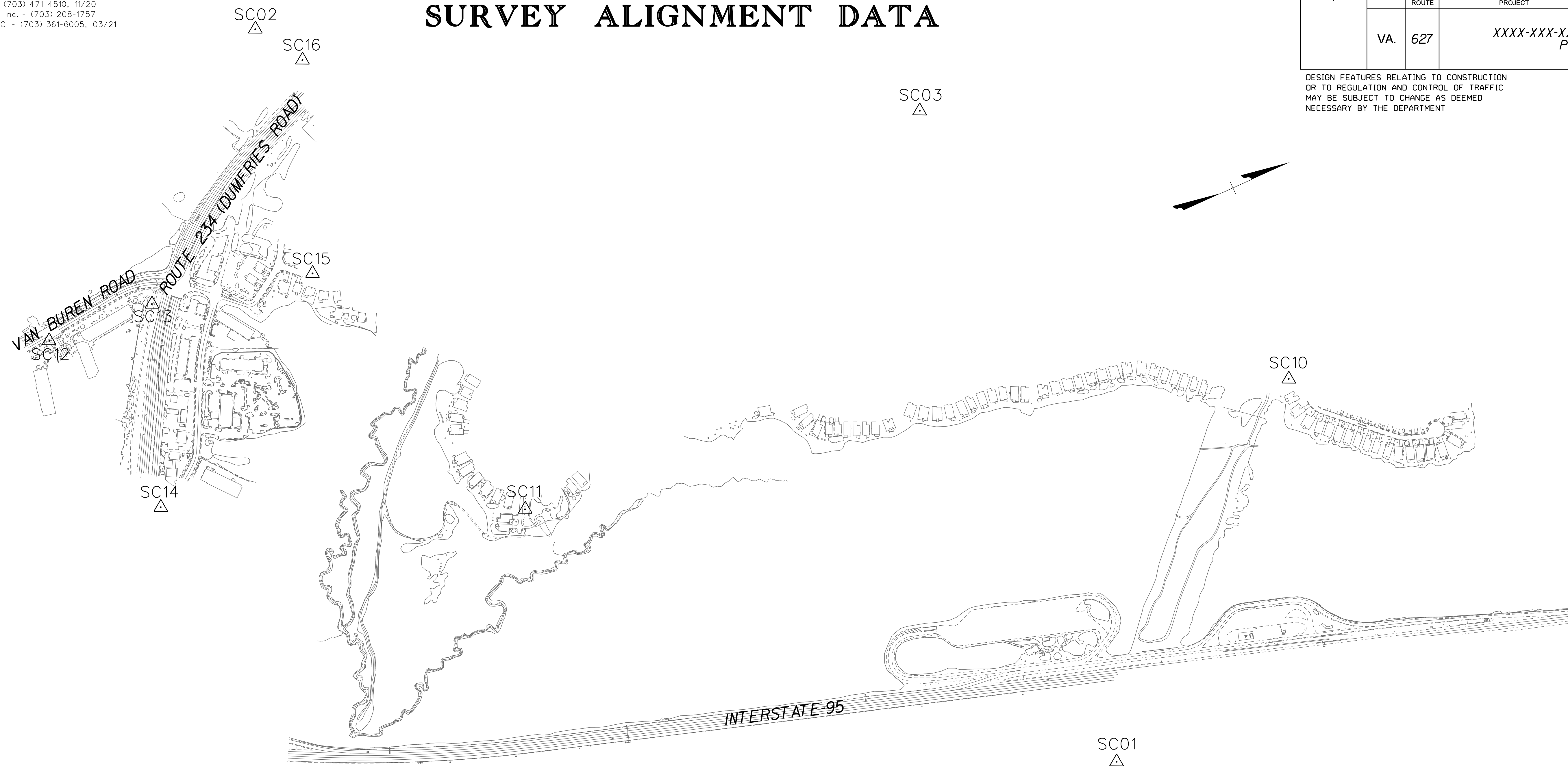
PROJECT	SHEET NO.
XXXX-XXX-XXX	1B

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SURVEY ALIGNMENT DATA

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX P/OI	IF(1)

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



Match Line - See Sheet IF(2)

Point Name	Northing	Easting	Elevation
SC01	6901347.94	11821603.81	211.88
SC02	6898735.79	11816074.74	219.30
SC03	6901827.04	11817956.95	217.90
SC04	6905196.31	11820006.82	89.30
SC05	6909512.59	11820873.61	183.82
SC06	6907336.55	11825794.88	144.61
SC07	6903061.83	11823802.43	130.45
SC08	6899424.51	11822741.10	200.28
SC09	6895956.73	11820396.24	153.62
SC10	6903048.65	11820100.26	128.26
SC11	6898996.58	11819042.15	178.69
SC12	6897025.79	11817152.13	186.85
SC13	6897614.06	11817200.51	188.46
SC14	6897205.07	11818222.09	183.34
SC15	6898473.66	11817406.69	208.41
SC16	6898889.06	11816332.67	224.89
SC17	6909886.81	11823412.15	230.61
SC18	6909415.11	11822547.50	196.58
SC19	6909179.70	11823223.39	210.04
SC20	6908264.57	11823169.51	163.40
SC21	6908987.58	11823748.94	212.71
SC22	6906939.03	11823479.03	100.50

SC09
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SC08
△

SC07
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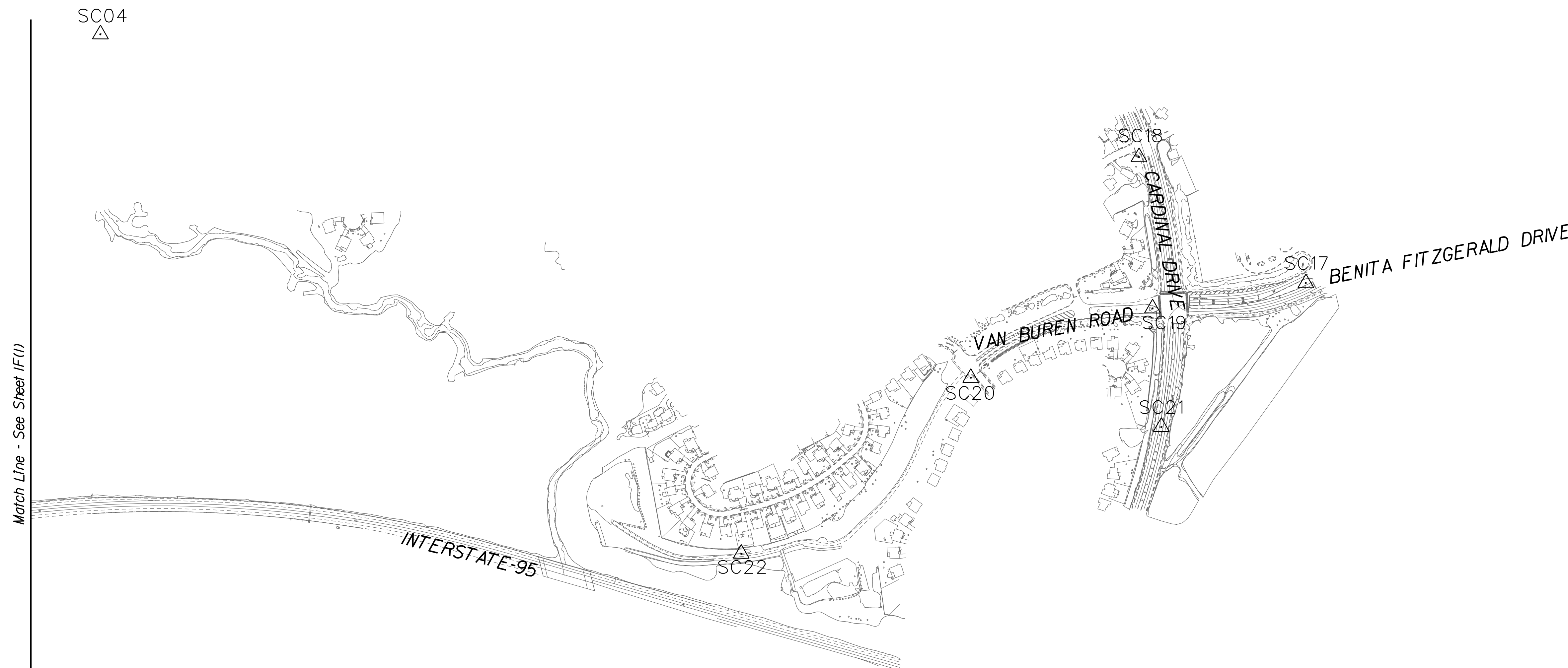
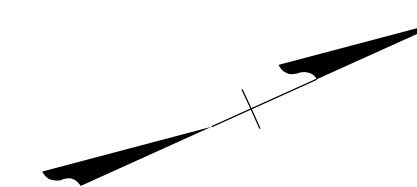
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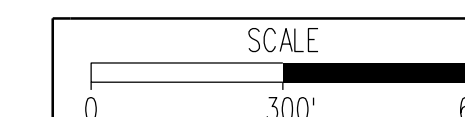
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	VA.	627	XXXX-XXX-XXX P101	1F(2)

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Point Name	Northing	Easting	Elevation
SC01	6901347.94	11821603.81	211.88
SC02	6898735.79	11816074.74	219.30
SC03	6901827.04	11817956.95	217.90
SC04	6905196.31	11820006.82	89.30
SC05	6909512.59	11820873.61	183.82
SC06	6907336.55	11825794.88	144.61
SC07	6903061.83	11823802.43	130.45
SC08	6899424.51	11822741.10	200.28
SC09	6895956.73	11820396.24	153.62
SC10	6903048.65	11820100.26	128.26
SC11	6898996.58	11819042.15	178.69
SC12	6897025.79	11817152.13	186.85
SC13	6897614.06	11817200.51	188.46
SC14	6897205.07	11818222.09	183.34
SC15	6898473.66	11817406.69	208.41
SC16	6898899.06	11816332.67	224.89
SC17	6909886.81	11823412.15	230.61
SC18	6909415.11	11822547.50	196.58
SC19	6909179.70	11823223.39	210.04
SC20	6908264.57	11823169.51	163.40
SC21	6908987.58	11823748.94	212.71
SC22	6906939.03	11823479.03	100.50



PROJECT
XXXX-XXX-XXX

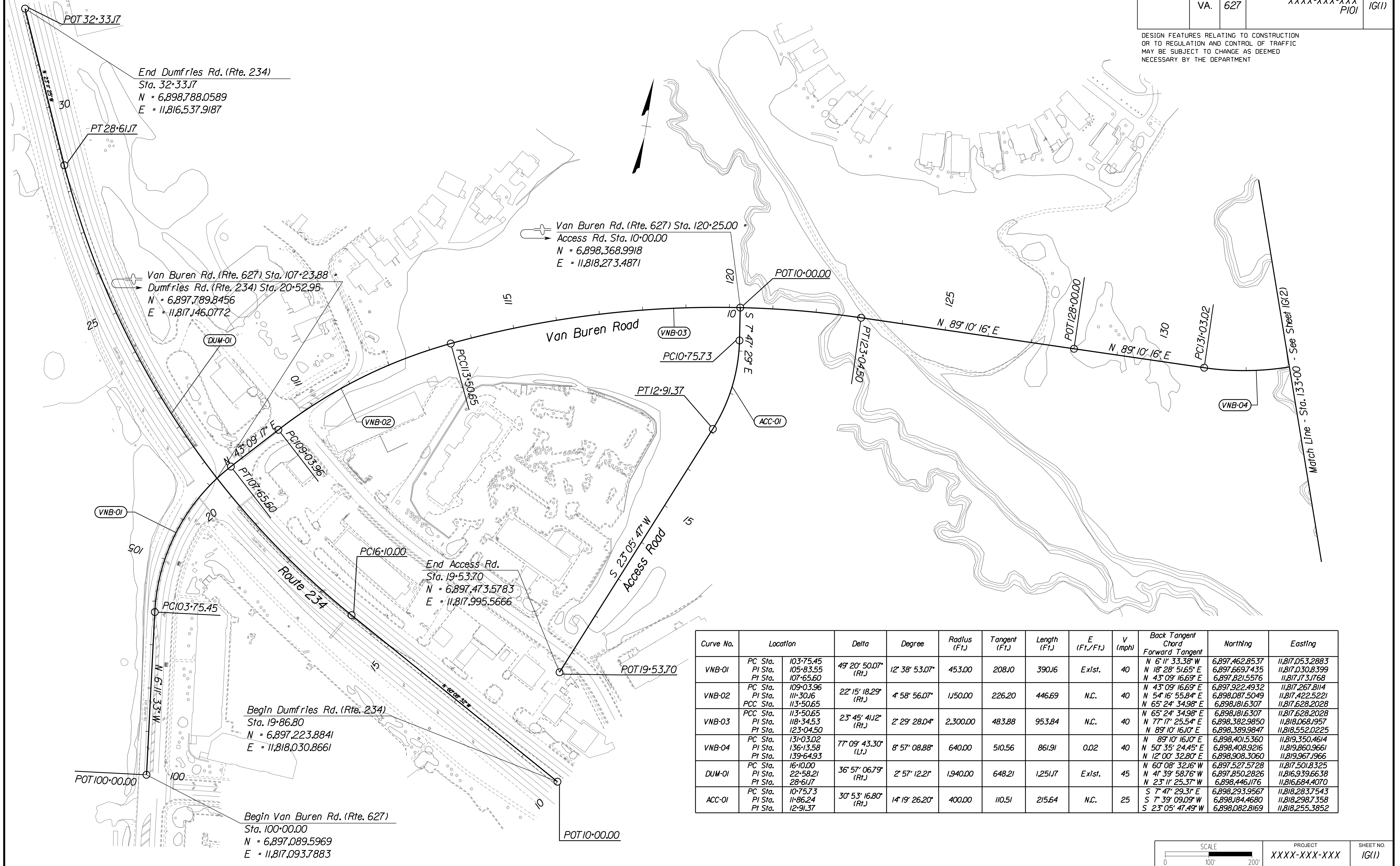
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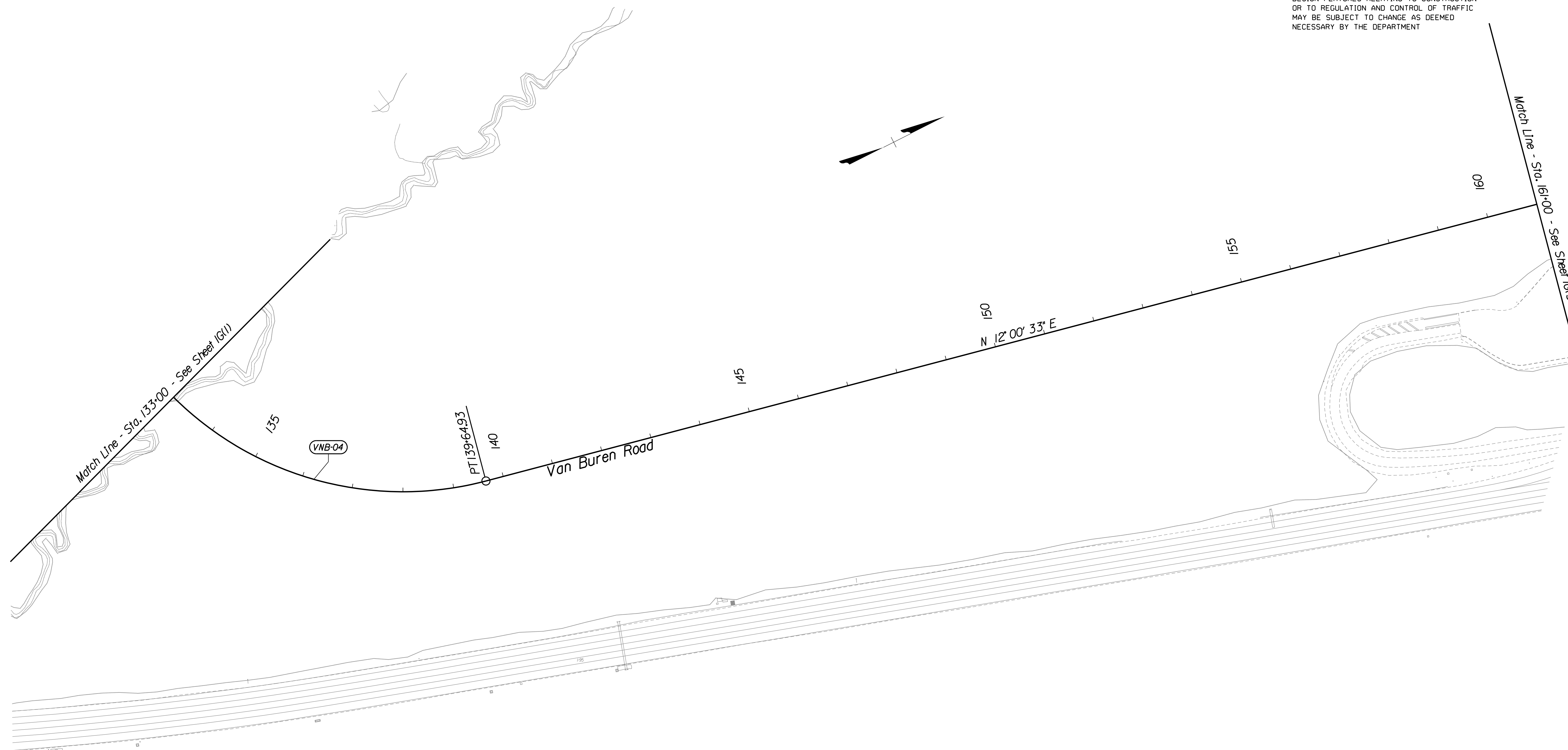
Curve No.	Location	Delta	Degree	Radius (Ft.)	Tangent (Ft.)	Length (Ft.)	E (Ft./Ft.)	V (mph)	Back Tangent Chord Forward Tangent	Northing	Easting
VNB-01	PC Sta. 103+75.45	49° 20' 50.07" (Rt.)	12° 38' 53.07"	453.00	208.10	390.16	Exist.	40	N 6° 11' 33.38" W	6,897,462.8537	11,817,053.2883
	PI Sta. 105+83.55								N 18° 28' 51.65" E	6,897,669.7435	11,817,030.8399
	PT Sta. 107+65.60								N 43° 09' 16.69" E	6,897,821.5576	11,817,173.1768
VNB-02	PC Sta. 109+03.96	22° 15' 18.29" (Rt.)	4° 58' 56.07"	1,150.00	226.20	446.69	N.C.	40	N 43° 09' 16.69" E	6,897,922.4932	11,817,267.814
	PI Sta. 111+30.16								N 54° 16' 55.84" E	6,898,087.5049	11,817,422.5221
	PCC Sta. 113+50.65								N 65° 24' 34.98" E	6,898,181.6307	11,817,628.2028
VNB-03	PCC Sta. 113+50.65	23° 45' 41.12" (Rt.)	2° 29' 28.04"	2,300.00	483.88	953.84	N.C.	40	N 65° 24' 34.98" E	6,898,181.6307	11,817,628.2028
	PI Sta. 118+34.53								N 77° 17' 25.54" E	6,898,382.9850	11,818,068.1957
	PT Sta. 123+04.50								N 89° 10' 16.10" E	6,898,389.9847	11,818,552.0225
VNB-04	PC Sta. 131+03.02	77° 09' 43.30" (Lt.)	8° 57' 08.88"	640.00	510.56	861.91	0.02	40	N 89° 10' 16.10" E	6,898,401.5360	11,819,350.4614
	PI Sta. 136+13.58								N 50° 35' 24.45" E	6,898,408.9216	11,819,860.9661
	PT Sta. 139+64.93								N 12° 00' 32.80" E	6,898,908.3060	11,819,967.1966
DUM-01	PC Sta. 16+10.00	36° 57' 06.79" (Rt.)	2° 57' 12.21"	1,940.00	648.21	1,251.17	Exist.	45	N 60° 08' 32.16" W	6,897,527.5728	11,817,501.8325
	PI Sta. 22+58.21								N 41° 39' 58.76" W	6,897,850.2826	11,816,939.6638
	PT Sta. 28+61.17								N 23° 11' 25.37" W	6,898,446.1176	11,816,684.4070
ACC-01	PC Sta. 10+75.73	30° 53' 16.80" (Rt.)	14° 19' 26.20"	400.00	110.51	215.64	N.C.	25	S 7° 47' 29.31" E	6,898,293.9567	11,818,283.7543
	PI Sta. 11+86.24								S 7° 39' 09.09" W	6,898,184.4680	11,818,298.7358
	PT Sta. 12+91.37								S 23° 05' 47.49" W	6,898,082.8169	11,818,255.3852

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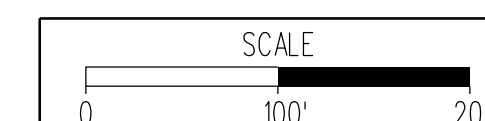
CONSTRUCTION ALIGNMENT DATA

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	VA.	627	XXXX-XXX-XXX P101	1G(2)

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Curve No.	Location			Delta	Degree	Radius (Ft.)	Tangent (Ft.)	Length (Ft.)	E (Ft./Ft.)	V (mph)	Back Tangent Chord Forward Tangent	Northing	Easting
VNB-04	PC Sta.	131+03.02		77° 09' 43.30"	8° 57' 08.88"	640.00	510.56	861.91	0.02	40	N 89° 10' 16.10" E N 50° 35' 24.45" E N 12° 00' 32.80" E	6,898,401.5360 6,898,408.9216 6,898,908.3060	11,819,350.4614 11,819,860.9661 11,819,967.1966



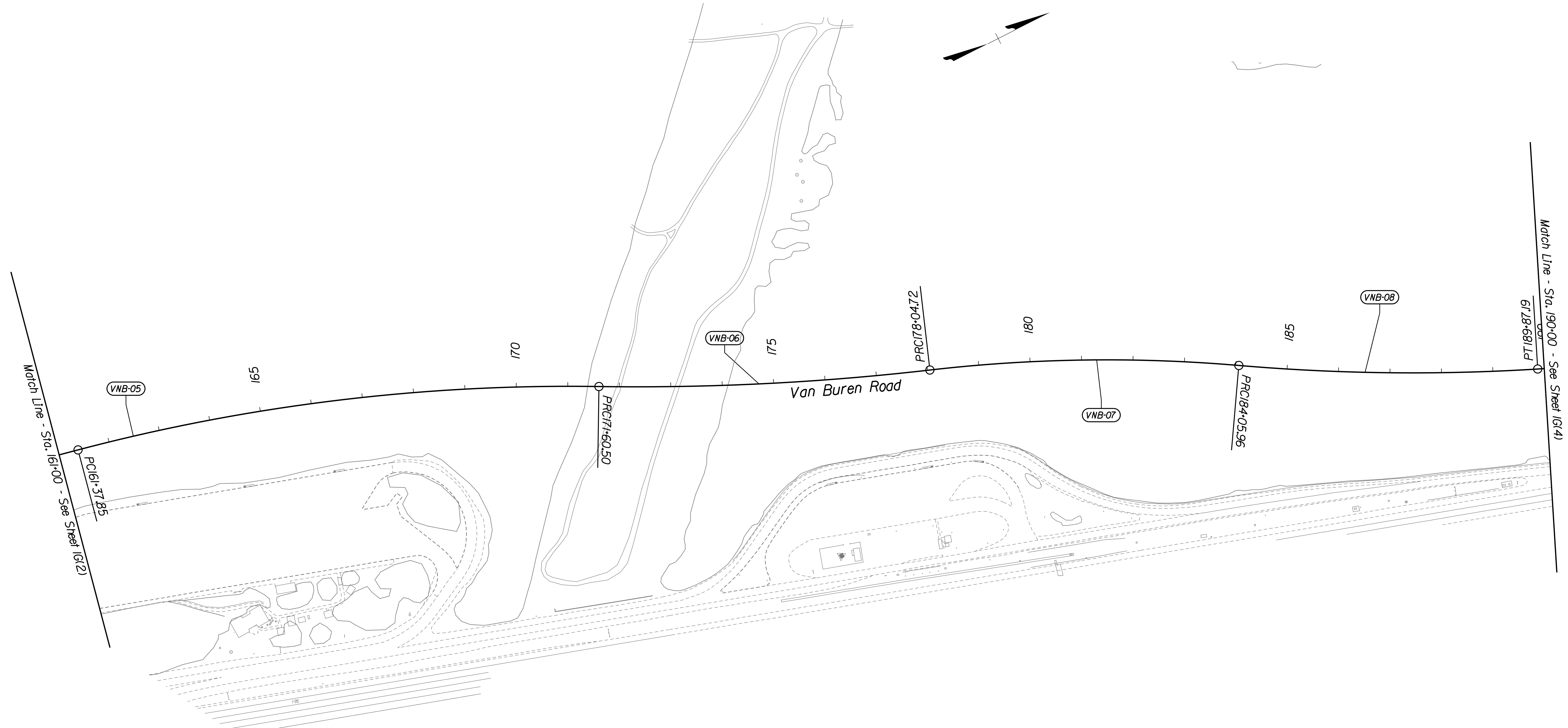
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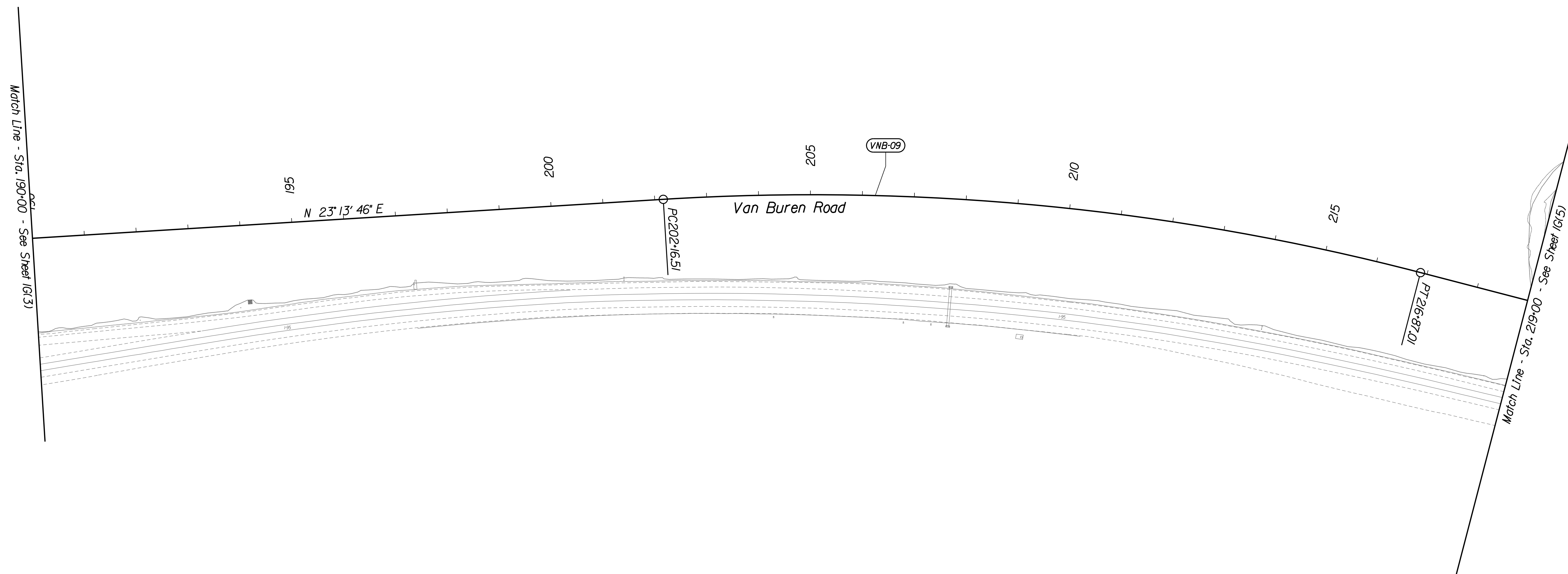
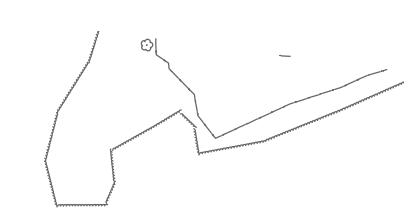
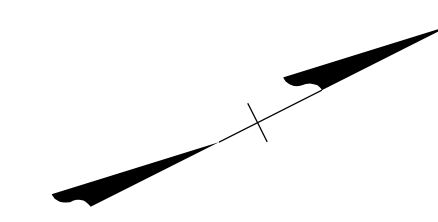
Curve No.	Location	Delta	Degree	Radius (Ft.)	Tangent (Ft.)	Length (Ft.)	E (Ft./Ft.)	V (mph)	Back Tangent Chord Forward Tangent	Northing	Easting
VNB-05	PC Sta.	161+37.85	15° 37' 29.81" (L.)	3,750.00	514.52	1,022.65	N.C.	40	N 12° 00' 32.80" E	6,901,033.6764	11,820,419.3112
	PI Sta.	166+52.37							N 19° 49' 17.70" E	6,901,536.9337	11,820,526.3665
	PRC Sta.	171+60.50							N 27° 38' 02.61" E	6,901,992.7595	11,820,765.0106
VNB-06	PRC Sta.	171+60.50	7° 27' 24.25" (L.)	4,950.00	322.56	644.22	N.C.	40	N 27° 38' 02.61" E	6,901,992.7595	11,820,765.0106
	PI Sta.	174+83.07							N 23° 54' 20.49" E	6,902,278.5273	11,820,914.6228
	PRC Sta.	178+04.72							N 20° 10' 38.37" E	6,902,581.2948	11,821,025.8835
VNB-07	PRC Sta.	178+04.72	11° 28' 58.39" (Rt.)	3,000.00	301.63	601.24	N.C.	40	N 20° 10' 38.37" E	6,902,581.2948	11,821,025.8835
	PI Sta.	181+06.35							N 25° 55' 07.56" E	6,902,864.4151	11,821,292.42
	PRC Sta.	184+05.96							N 31° 39' 36.76" E	6,903,121.565	11,821,288.2448
VNB-08	PRC Sta.	184+05.96	8° 25' 50.83" (L.)	3,950.00	291.14	581.22	N.C.	40	N 31° 39' 36.76" E	6,903,121.565	11,821,288.2448
	PI Sta.	186+97.10							N 27° 26' 41.34" E	6,903,368.9652	11,821,441.0569
	PRC Sta.	189+87.19							N 23° 13' 45.93" E	6,903,636.5004	11,821,555.8853

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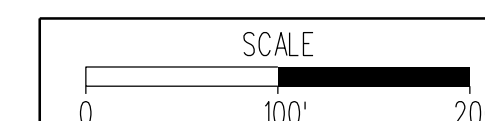
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VNB-09	PC Sta. 202+16.51 PI Sta. 209+57.95 Pt Sta. 216+87.01	18° 07' 08.54" (Rt.)	1° 13' 55.80"	4,650.00	741.44	1,470.50	N.C.	40	N 23° 13' 45.93" E N 32° 17' 20.19" E N 41° 20' 54.46" E	6,904,766.1636 6,905,447.4973 6,906,004.1005	11,822,040.7464 11,822,333.1807 11,822,823.0033



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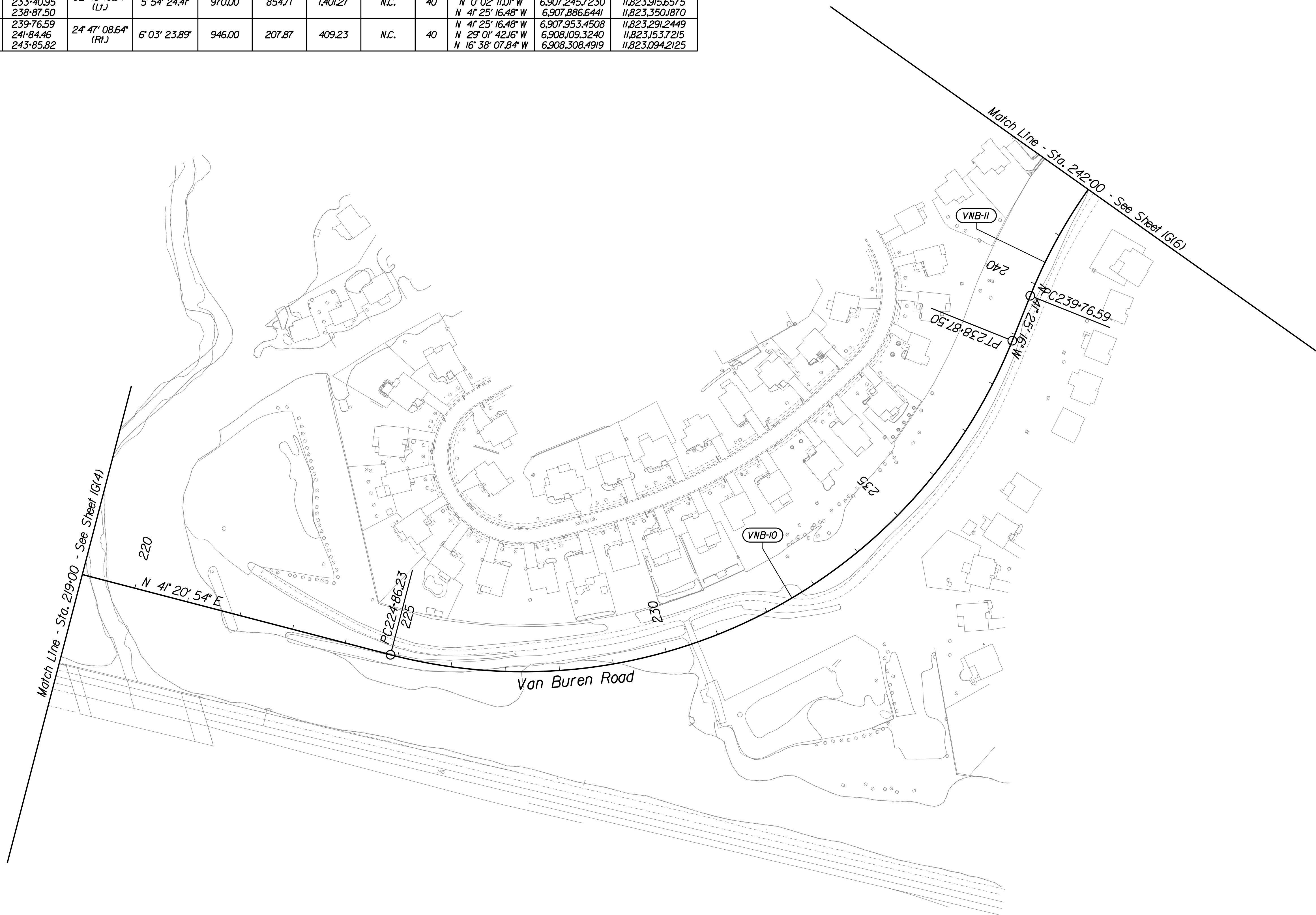
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VNB-10	PC Sta.	224-86.23	82° 46' 10.94" (L)	970.00	854.71	1,401.27	N.C.	40	N 41° 20' 54.46" E	6,906.604,0841	11,823.351,0016
	PI Sta.	233-40.95							N 0° 02' 11.01" W	6,907.245,7230	11,823.915,6575
	PT Sta.	238-87.50							N 41° 25' 16.48" W	6,907.886,6441	11,823.350,1870
VNB-11	PC Sta.	239-76.59	24° 47' 08.64" (R)	946.00	207.87	409.23	N.C.	40	N 41° 25' 16.48" W	6,907.953,4508	11,823.291,2449
	PI Sta.	241-84.46							N 29° 01' 42.16" W	6,908.109,3240	11,823.153,7215
	PCC Sta.	243-85.82							N 16° 38' 07.84" W	6,908.308,4919	11,823.094,2125

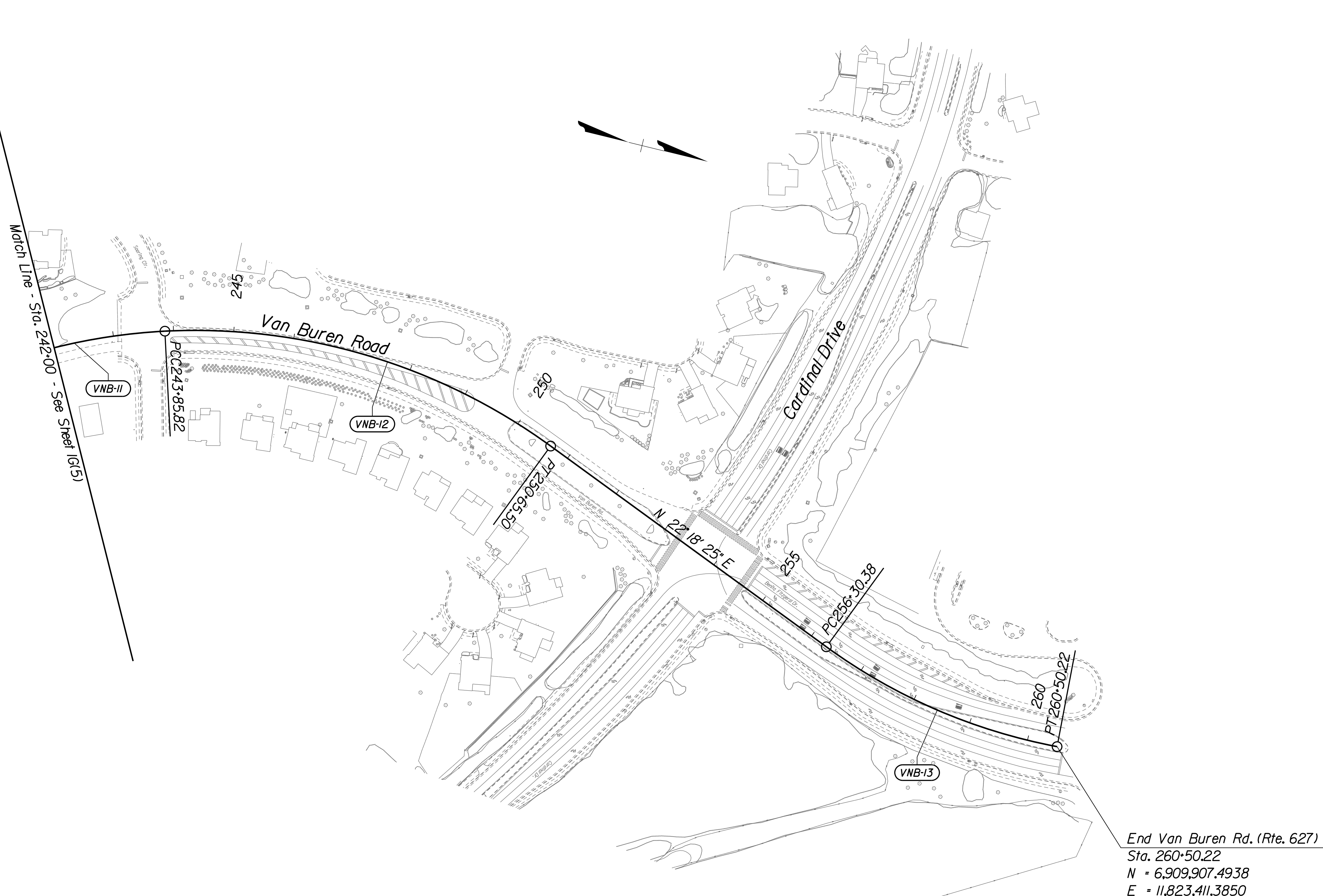


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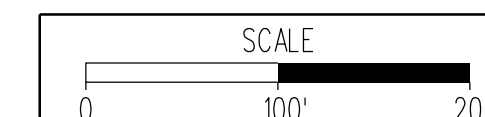
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	VA.	627	XXXX-XXX-XXX PI(1)	IG(6)

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



Curve No.	Location	Delta	Degree	Radius (Ft.)	Tangent (Ft.)	Length (Ft.)	E (Ft./Ft.)	V (mph)	Back Tangent Chord Forward Tangent	Northing	Easting
VNB-11	PC Sta.	239+76.59	24° 47' 08.64" (Rt.)	946.00	207.87	409.23	N.C.	40	N 41° 25' 16.48" W	6,907,953.4508	11,823,291.2449
	PI Sta.	241+84.46							N 29° 01' 42.16" W	6,908,109.3240	11,823,153.7215
	PCC Sta.	243+85.82							N 16° 38' 07.84" W	6,908,308.4919	11,823,094.2125
VNB-12	PCC Sta.	243+85.82	38° 56' 32.79" (Rt.)	1,000.00	353.55	679.67	Exist.	40	N 16° 38' 07.84" W	6,908,308.4919	11,823,094.2125
	PI Sta.	247+39.38							N 2° 50' 08.56" E	6,908,647.2474	11,822,992.9965
	PT Sta.	250+65.50							N 22° 18' 24.95" E	6,908,974.3422	11,823,127.1940
VNB-13	PC Sta.	256+30.38	25° 19' 16.07" (Lt.)	950.00	213.40	419.84	Exist.	40	N 22° 18' 24.95" E	6,909,496.9499	11,823,341.6049
	PI Sta.	258+43.78							N 9° 38' 46.92" E	6,909,694.3842	11,823,422.6066
	PT Sta.	260+50.22							N 3° 00' 51.17" W	6,909,907.4938	11,823,411.3850



PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

GENERAL NOTES

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	627	XXXX-XXX-XXX PIQI	2

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

MAINTENANCE OF TRAFFIC/SEQUENCE OF CONSTRUCTION

(NOT INCLUDED WITH THE 30% CONCEPT DESIGN SUBMISSION)

See the Contract Special Provisions for additional requirements relating to maintenance of traffic. See sheet series 1K through XX for Maintenance of Traffic and Sequence of Construction Plans.

GRADING

- G-1 The grade line denotes top of finished pavement unless shown otherwise on typical sections or plans.
- G-5 The excavation of unsuitable material as specified on these plans is based on previously conducted subsurface soil investigation. If, during construction, it is deemed necessary to change the depth more than one foot, or the limits of such excavation, such change is to be made at the direction of the Engineer and measurement and payment shall be made in accordance with Section 303 of the applicable VDOT Road and Bridge Specifications.
- G-6 The borrow material for this project shall be a minimum CBR XX or as approved by the Materials Engineer.
- G-7 Material from regular excavation which is suitable for stabilization with hydraulic cement (lime) shall be placed in the top portion of the subgrade.

DRAINAGE

- D-1 The horizontal location of all drainage structures shown on these plans is approximate only, with the exception of structures showing specific stations, special design bridges and storm sewer systems.
- D-2 The horizontal location and invert elevations shown for proposed culverts and storm sewer outfall pipes are based on existing survey data and required design criteria. If during construction, it is found that the horizontal location or invert elevations shown on the plans differ significantly from the horizontal location or elevations of the stream or swale in which the culvert or storm sewer outfall pipe is to be placed, the Engineer shall confer with, and get approval from, the applicable District Drainage Engineer before installing the culvert or storm sewer outfall pipe.
- D-3 The "H" dimensions shown on plans for drop inlets and junction boxes and the "L.F." dimensions shown for manholes are for estimating purposes and are based on the proposed invert elevations shown for the structure and the anticipated top (rim) elevation based on existing or proposed finished grade. The actual "H" or "L.F." dimensions are to be determined by the contractor from field conditions.
- D-4 At Station (specify station number), the fill shall be placed and allowed to settle and displace all soft materials. Any necessary temporary drainage shall be installed. When directed by the Engineer, that part of the fill where the permanent drainage structure is to reside shall be removed and the structure placed. The cost of installing and removing the temporary drainage facility, the cost of removing the fill above the original ground for installation of permanent drainage structure and the cost of backfill shall be included in the unit price bid for regular excavation. Excavation below the original ground necessary for the installation of the permanent drainage structure will be measured and paid for in accordance with Section 303 of the applicable VDOT Road and Bridge Specifications.
- D-5 At locations where Structural Plate Steel Pipe or Pipe Arch with a concrete invert is required or is allowable as an option to Corrugated Steel Pipe or Pipe Arch, the concrete invert is to be field applied and shall cover, at a minimum, the bottom 25% of the circumference of a circular shape structure or the bottom and corner plates of an arch shape structure. As an option to providing the concrete invert, the plates along the bottom 25% (minimum) of the circumference of the Structural Plate Steel Pipe or the bottom and corner plates (minimum) of the Structural Plate Steel Pipe Arch shall be a minimum of two sheet thickness (gages) heavier than the sheet thickness (gage) indicated in the applicable VDOT Road and Bridge Standard PC-1 for the specified height of cover for the structure. Example: For a pipe with height of cover requiring 0.109" sheet thickness (12 gage) plates, the bottom plates shall be 0.168" sheet thickness (8 gage). The sheet thickness (gage) of the remainder of the pipe plates shall either conform to those specified in Standard PC-1 for the applicable height of cover or to the heavier plates used in the bottom of the pipe.
- D-6 Pipes shall conform to any of the allowable types shown on sheet number (specify sheet number), within the applicable height of cover limitations. For strength, sheet thickness, or class designation; available sizes; height of cover limitations; and other restrictions for a particular pipe type or height of cover, see the VDOT Road and Bridge Standard PC-1. Structural plate pipe may be substituted for corrugated pipe of the same size, provided the substitution complies with the applicable sections of the VDOT Road and Bridge Standards PC-1.

- D-8 Where open joint pipe is to be used, no joint shall be opened a distance exceeding 25% of the spigot length. Sealing of the pipe joint shall be in accordance with Section 302 of the applicable VDOT Road and Bridge Specifications.
- D-9 A pipe joint length different from that stated on the plans may be used. An adjustment in the percentage of open joint (not to exceed 25% of the spigot length) or amount of bevel shall be made that will obtain the radius stated on the plans. Extra payment for this adjustment will not be allowed. The proposed adjustment shall be approved by the Engineer prior to installation of the pipe line.
- D-10 The proposed riprap may be omitted by the Engineer if the slope designated for placement of riprap is found to be comprised of solid rock or closely consolidated boulders with soundness, size and weight equal to, or exceeding, the specifications for the proposed riprap.
- D-12 All existing drainage facilities labeled "To Be Abandoned" shall be left in place, backfilled and plugged in accordance with the VDOT Road and Bridge Standard PP-1. Basis of Payment will be C.Y. of Flowable Backfill.
- D-13 Existing drainage facilities being utilized as a part of the drainage system, and designated on the plans "To Be Cleaned Out" shall be cleaned as directed by the Engineer. The cost incidental to this shall be included in the contract price for other items.

- D-14 Proposed drop inlets with a height (H) less than the standard minimum shown in the VDOT Road and Bridge Standards shall be considered and paid for as Standard Drop Inlets for the type specified. Pipes with less than standard minimum finished height of cover shall be noted as such in the drainage description for the pipe. Specific pipe bedding and cover requirements are provided in the applicable PB-1 and PC-1 standard drawings of the VDOT Road and Bridge Standards.
- D-15 Where the plans specify the installation of standard curb drop inlets adjacent to the City of (specify City) Standard Curb and Gutter, the Standard Drop Inlets (as shown in the VDOT Road and Bridge Standards) shall be modified in accordance with details shown on sheet number (specify sheet number). These drop inlets shall be considered and paid for as Standard Drop Inlets for the type specified.
- D-16 When CG-6 or CG-7 is specified on a radius (such as at a street intersection), the Engineer may approve a decrease in the cross slope of the gutter to facilitate proper drainage.
- D-17 St'd. SL-1 Safety Slab locations are based on the assumed use of precast structures. If cast-in-place structures are utilized, and the interior chamber dimensions (length and width, or diameter) are less than 4 feet, the safety slabs shall not be installed.

PAVEMENT

- P-2 The pavement materials on this project will be paid for on a tonnage basis. The weight will vary in accordance with the specific gravity of the aggregates and the asphaltic content of the mix actually used to secure the design depth. The weight of the asphalt concrete is based on 95% of the theoretical maximum density.

INCIDENTALS

- I-3 Service Roads are to be constructed, and private entrances connected thereto prior to the permanent severing of private entrances by other phases of the proposed construction.
- I-4 All trees located within the Clear Zone or within a minimum of 30 feet of the edge of pavement, within the limits of the right of way or construction easement, unless otherwise noted on plans or directed by the Engineer, shall be removed, as provided for a Section 301 of the applicable VDOT Road and Bridge Specifications.
- I-7 Where Standard slope roundoffs would damage trees, bushes or other desirable vegetation, they shall be omitted when so ordered by the Engineer.
- I-9 When no centerline alignment is shown for a proposed entrance, the entrance shall be constructed in the same location as the existing entrance.
- I-10 St'd. RM-1 Right of Way monuments shall be set by the Contractor.
- I-12 St'd. RM-2 right of way monuments shall be set by the Contractor.
- I-16 The "underground utilities" survey data on this project has been provided by consultant and copies are available from the Department.
- I-18 All pavement markings and traffic flow arrows shown on the roadway construction plans are schematic only. The actual location and application of pavement markings shall be in accordance with Section 704 of the applicable VDOT Road and Bridge Specifications, MUTCD, sequence of construction/traffic control plans, pavement marking plan sheets ... thru ... and as directed by the Engineer.
- I-19 The following outside sources, under contract with VDOT, have provided information on this project.

Hydraulic Design	-	Dewberry Engineers, Inc.
Roadway Design	-	" " " "
Utility Design	-	" " " "
Utility Designation	-	SAM, LLC (formerly So Deep, Inc.)
Utility Location	-	" " " "
Survey	-	Dewberry Engineers, Inc.
Bridge Design	-	" " " "
Traffic Design	-	" " " "
Landscape Design	-	" " " "

If questions or problems arise during construction, please contact the Area Construction Engineer. DO NOT CONTACT THE OUTSIDE SOURCES.

- I-20 The Official Electronic PDF Version of the plans will override the paper copies or prints of specific layers.

- I-21 All electronic plan assemblies will include the construction plans in two formats: PDF files and MicroStation format (.dgn) files. Only the PDF files will be considered as part of the official plan assembly.

The MicroStation format (.dgn) files are furnished only as information for the contractor. These plans are developed in layers (levels) to aid in readability. (See the VDOT CADD Manual for CADD Level Structure). However, the construction items may or may not be in the proper layering scheme as described in the VDOT CADD Manual. The Microstation files will only match the scanned files if all required levels are turned on. A Microstation Software license is required to be able to read these files.

STORMWATER MANAGEMENT

- S-1 CLEARING AND GRUBBING OF SWM BASIN SITE - The area where the dam is to be constructed and the area upstream of the dam, to an elevation equal to the crest of the dam (maximum ponded water elevation), shall be cleared and grubbed in accordance with Section 301 of the applicable VDOT Road and Bridge Specifications.
- S-2 SWM BASIN DAM CONSTRUCTION - The dam for detention basins (no permanent pool) shall conform to the details contained in the plans and shall be constructed in accordance with Section 303 of the applicable VDOT Road and Bridge Specifications. The native material on which the dam will set shall meet the specifications for AASHTO Type A-4 or finer material. Where the native material does not meet this requirement, the area beneath the dam is to be excavated a minimum of 4' and backfilled with a material meeting the AASHTO Type A-4 or finer classification unless otherwise specified in the plans. The material used for the embankment of the dam shall be AASHTO Type A-4 or finer or otherwise specified in the plans. Dams with foundation and embankment material not meeting the above requirements or dams greater than 15' in height, or dams for retention basins (permanent pool) shall incorporate a membrane-lined trench, a homogenous embankment with seepage controls, a zoned embankment or other such approved designs as specified in the plans.
- S-3 SWM BASIN OUTLET PIPE - The pipe culvert under or through the dam for detention basins (no permanent pool) shall be reinforced concrete pipe with rubber gaskets in accordance with Section 232 and 212 of the applicable VDOT Road and Bridge Specifications. A concrete cradle shall extend the full length of the pipe culvert in accordance with the Standard Drawings. The connection between the pipe culvert and the SWM-1 Drainage Structure (or other control structure) shall be made watertight as approved by the Engineer and the cost shall be included in the price bid for pipe.
- S-4 The SWM-1 Drainage Structure (or other control structure) shall have 4" high numbers and 1" wide stripes painted at 1' intervals as shown on the Standard Drawings or detail sheets. The numbers and stripes are to be installed at the time of the initial installation of the SWM-1 Drainage Structure (or other control structure). Paint and application shall be in accordance with Section 231 and 411 of the applicable VDOT Road and Bridge Specifications and the cost is to be included in the price bid for the applicable structure.
- S-5 All SWM Basins designated for use as temporary sediment basins shall be constructed during the initial phase of earth moving activities or as specified by the plans or directed by the Engineer. During project construction, the SWM-1 Drainage Structure (or other control structure) shall be modified in accordance with the Standard Drawings or plan details in order to provide a temporary sediment basin with both a "wet" storage volume (permanent pool) and a "dry" storage volume. Sediment accumulated in the basin shall be removed when the volume of the "wet" storage (permanent pool) has been reduced by 50%. Sediment shall be disposed of in accordance with Section 106.04 of the applicable VDOT Road and Bridge Specifications. When project construction is complete to a stage where no additional sediment from the project is expected to enter the basin, as determined by the Engineer, the basin shall be cleaned out and restored to the original design elevations, the area stabilized and all temporary modifications to the SWM-1 Drainage Structure (or other control structure) removed.

EROSION AND SEDIMENT CONTROL (ESC)

(NOT INCLUDED WITH THE 30% CONCEPT DESIGN SUBMISSION)

- E-1 If the removal of Brush Silt Barrier is specified by the plans or required by the Engineer, the cost of removal and disposal of brush shall be in accordance with Section 109 of the applicable VDOT Road and Bridge Specifications.
- E-2 Rock for Check Dams, Inlet Protection, Erosion Control Stone and Riprap shall be in accordance with Section 203 and Section 414 of the applicable VDOT Road and Bridge Specifications.
- E-3 The following symbols are used to depict Erosion Control items in the plan assembly:

- | | |
|--|---|
| | Denotes Rolled Erosion Control Product, Temporary, St'd. EC-2 Type 1, 2, 3 or 4 |
| | Denotes Rolled Erosion Control Product, Permanent, St'd. EC-3 Type 1, 2 or 3 |
| | Denotes Temporary Silt Fence, St'd. EC-5 Type A or B |
| | Denotes Temporary Diversion Channel, St'd. EC-12 |
| | Denotes Temporary Diversion Dike, St'd. EC-9 |
| | Denotes Turbidity Curtain, Type - Impervious |
| | Denotes Turbidity Curtain, Type - Pervious |
| | Denotes Rock Check Dam, Type I; St'd. EC-4 |
| | Denotes Rock Check Dam, Type II; St'd. EC-4 |
| | Denotes Inlet Protection, Type A; St'd. EC-6 |
| | Denotes Inlet Protection, Type B; St'd. EC-6 |
| | Denotes Slope Interrupter; St'd. EC-15 |

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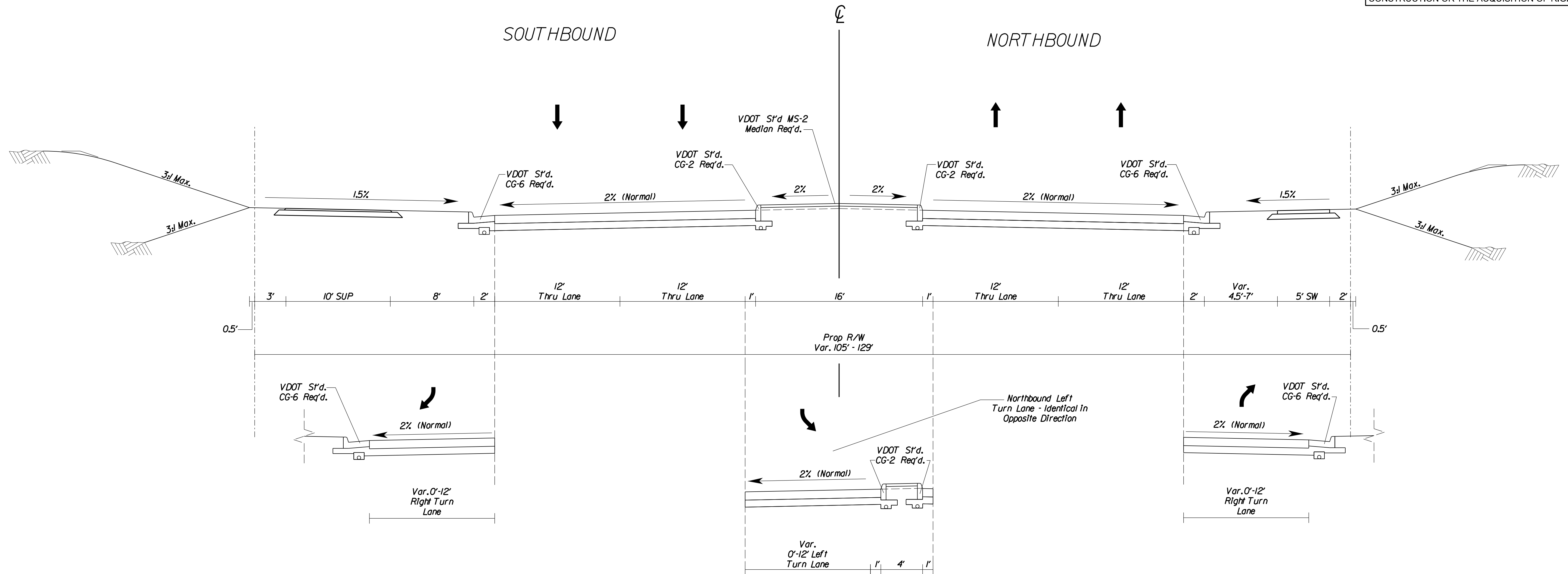
TYPICAL SECTIONS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	627	XXXX-XXX-XXX P101	2A(1)

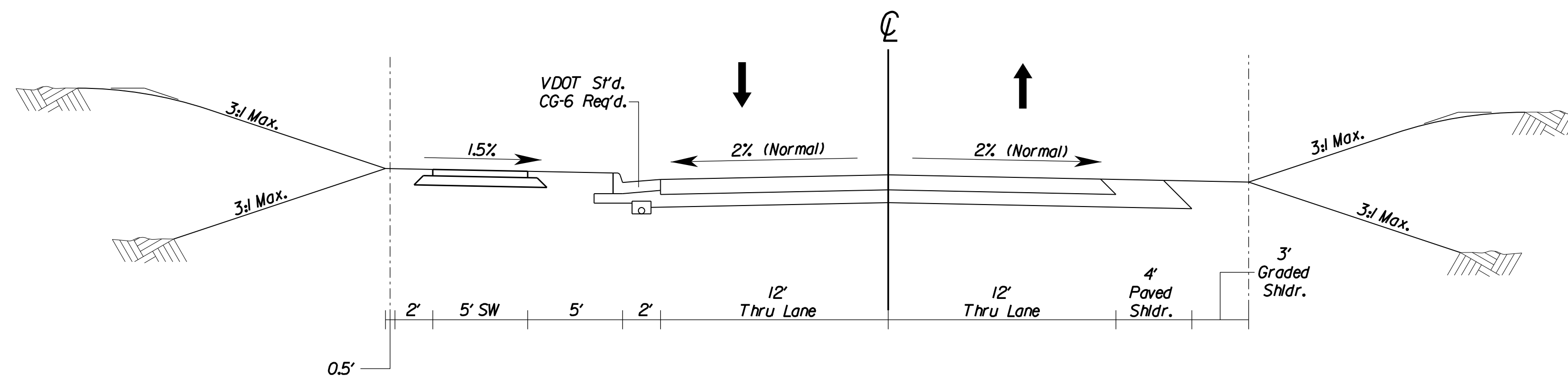
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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Van Buren Rd. (Route 627) Urban Major Collector (GS-7)



Van Buren Access Rd. Urban Local Street (GS-8)



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ROADSIDE DEVELOPMENT

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	627	XXXX-XXX-XXX P101	26

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

PS Permanent Seeding *

CORE MIX

MIX	LBS./ACRES	DESCRIPTION
1	▲	* 100% CERTIFIED FINE FESCUE
2	▲	100% CERTIFIED TALL FESCUE
3	200	50% CERTIFIED TALL FESCUE * 50% CERTIFIED FINE FESCUE
4	▲	50% ORCHARDGRASS 50% CERTIFIED KENTUCKY BLUEGRASS
5	▲	100% BERMUDAGRASS

ADDITIVES

TYPE	LBS./ACRES	DESCRIPTION
A	▲	100% LOVEGRASS
B	▲ 10	100% BARLEY, WINTER RYE OR WINTER WHEAT
C	▲ 15	100% FOXTAIL MILLET
D	▲ 10	100% ANNUAL RYEGRASS
E	▲	100% CROWNVETCH (LEGUME)
F	▲	100% SERICEA LESPEDEZA (LEGUME)
G	▲	100% BIRDSFOOT TREFIL (LEGUME)
H	▲	
I	▲	
J	▲	
K	▲	

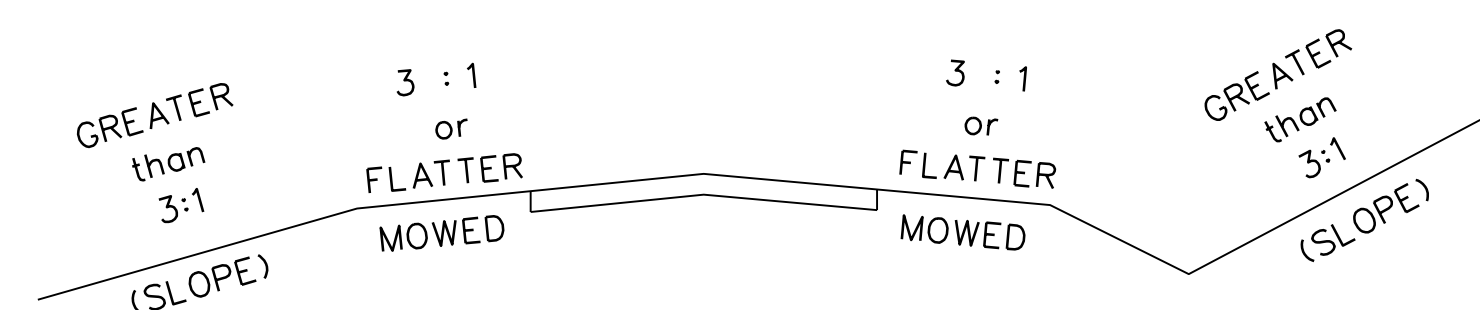
TS Temporary Seeding *

3/1 - 5/16 and 8/16 - 3/1	50	50% CERTIFIED TALL FESCUE
5/16 - 8/16	50	50% FOXTAIL MILLET
	50	50% CERTIFIED TALL FESCUE

* FINE FESCUES INCLUDE CHEWINGS, CREEPING RED, HARD, SHEEP

▲ ALL RATES TO BE SPECIFIED BY THE DISTRICT ROADSIDE MANAGER

SECTION OF SEED LOCATIONS



SEEDING SCHEDULE

	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE
	SPRING MONTH & DATE		SUMMER MONTH & DATE		FALL & WINTER MONTH & DATE	
	4/1 - 5/31		6/1 - 9/14		9/15 - 3/31	
PROJECT NUMBERS XXXX-XXX-XXX R201 C501	3	3	3C	3C	3B & D	3B & D
* SPECIFY KIND OF FINE FESCUE						

NOTES:

APPROXIMATELY XX ACRES WILL BE DISTURBED ON THIS PROJECT WHICH WILL REQUIRE THE ESTABLISHMENT OF GRASSES AND/OR LEGUMES.

☆ NOTES FOR FIELD USE ONLY

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

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

NOTES APPLY TO SCHEDULE

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

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

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

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

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

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

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

10-10-10 FERTILIZER SHALL BE APPLIED AT A RATE OF 300 LBS. PER ACRE AT THE TIME OF SEEDING. NO FERTILIZER SHALL BE APPLIED BETWEEN NOVEMBER 1 AND MARCH 15. NO FERTILIZER SHALL BE APPLIED WITHIN 50' OF AN ACTIVE STREAM OR LAKE.

LIME SHALL BE APPLIED AT A RATE OF 2,000 LBS. PER ACRE AT THE TIME OF SEEDING.

STRAW (TYPE I) MULCH SHALL BE APPLIED AT A RATE OF APPROXIMATELY 2 TONS PER ACRE, SO THAT NO MORE THAN 10% BARE GROUND IS EXPOSED. TACK WITH WOOD FIBER (TYPE II) MULCH AT A RATE OF 750 LBS. PER ACRE.

MIX REQUIREMENTS THIS PROJECT

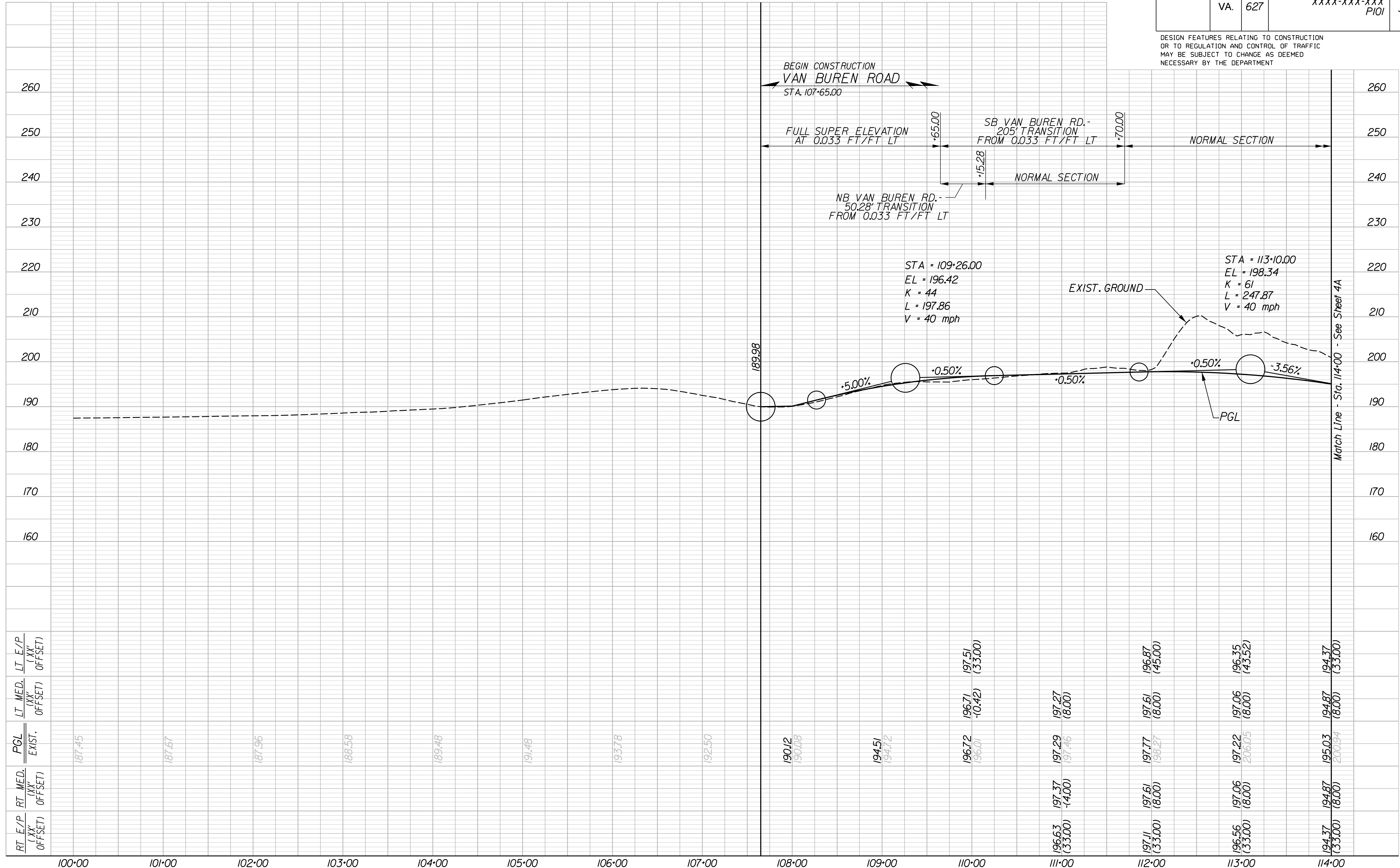
RECOMMENDATIONS FOR THE APPLICATION OF SEED MIXTURES (CORE MIX AND ADDITIVES), FERTILIZER, LIME, ETC. ARE TO BE OBTAINED FROM THE DISTRICT ROADSIDE MANAGER.

PROJECT XXXX-XXX-XXX	SHEET NO. 26
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PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	627	XXXX-XXX-XXX PIQI	3A

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



RT E/P (XX' OFFSET)	RT MED. (XX' OFFSET)	PGL EXIST.	LT MED. (XX' OFFSET)	LT E/P (XX' OFFSET)
		187.45		
		187.67		
		187.96		
		188.58		
		189.48		
		191.48		
		193.78		
		192.50		
		190.12 190.08		
		194.51 194.72		
		196.72 196.01	197.51 (33.00)	
		197.29 197.46	197.27 (8.00)	
196.63 (33.00)	197.37 (4.00)		197.61 (8.00)	196.87 (45.00)
			197.77 198.27	
			197.06 (8.00)	196.35 (45.52)
			197.22 206.05	
196.56 (33.00)	197.06 (8.00)		197.06 (8.00)	194.87 (33.00)
			195.03 200.94	194.37 (33.00)

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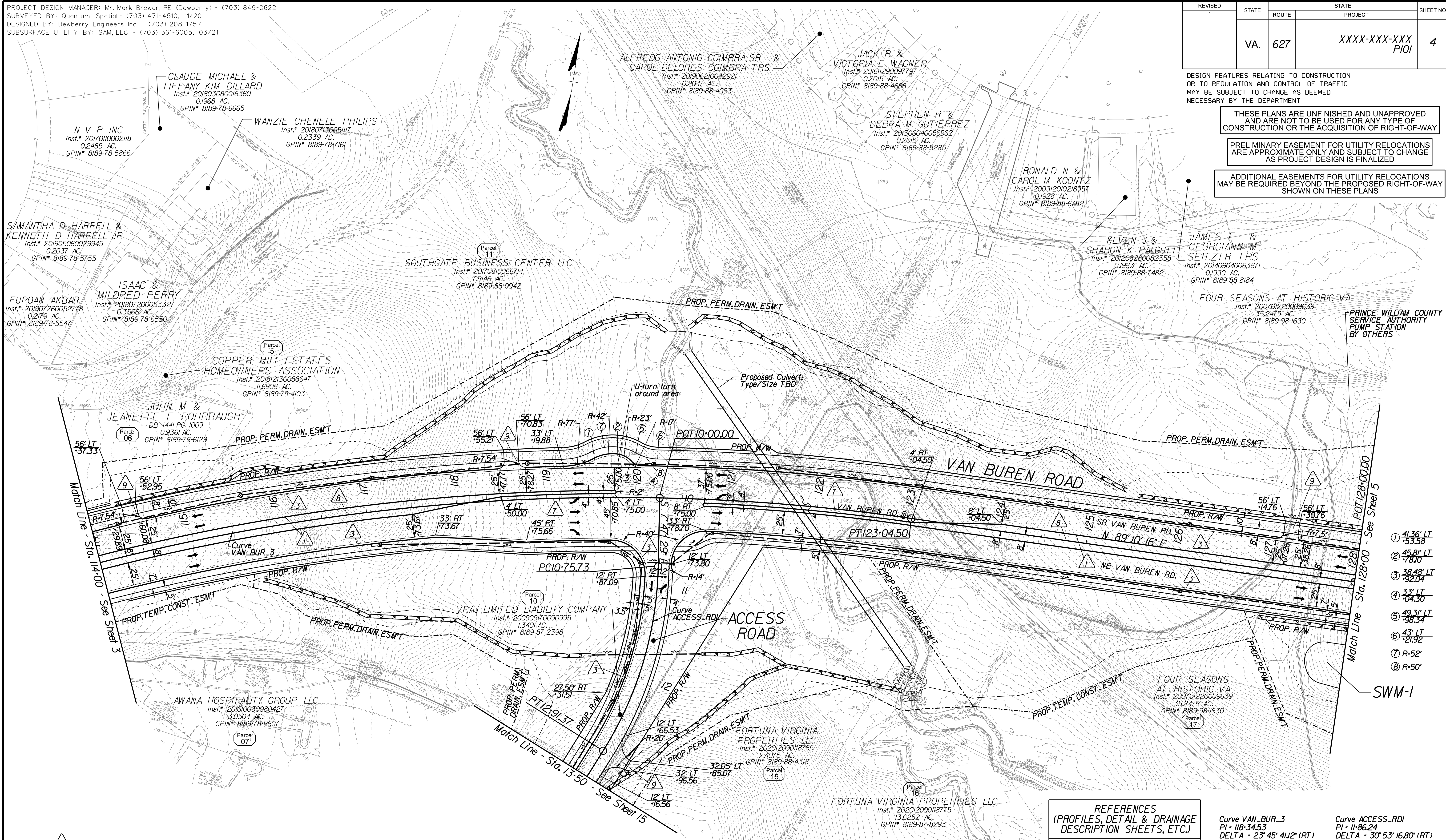
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	627	XXXX-XXX-XXX P/OI	4

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

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

PRELIMINARY EASEMENT FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

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



- ① 41.36' LT
- ② 45.81' LT
- ③ 38.48' LT
- ④ 33' LT
- ⑤ 49.31' LT
- ⑥ 43' LT
- ⑦ R-52'
- ⑧ R-50'

- Key Legend**
- 1 6" Curb, S'd, CG-2 Req'd.
 - 2 4" Curb, S'd, CG-3 Req'd.
 - 3 6" Curb and Gutter, S'd, CG-6 Req'd.
 - 4 4" Curb and Gutter, S'd, CG-7 Req'd.
 - 5 Conc. Raised Median, S'd, MS-1 with 4" Curb Req'd.
 - 6 Not Used
 - 7 Conc. Raised Median, S'd, MS-1A (6" Curb)
 - 8 Grass Raised Median, S'd, MS-2 (6" Curb)
 - 9 Entrance Gutter, S'd, CG-9D Req'd.
 - 10 Entrance, S'd, CG-11 Req'd.
 - 11 Curb Ramp, S'd, CG-12 Req'd.
 - 12 Underdrain Endwall, S'd, EW-12 Req'd.
 - 13 Shoulder Break Over Line
 - 14 Groundwater Underdrain, S'd, UD-1 Req'd.
 - 15 Curb-Cul Opening, Drainage Flume
 - 16 Pavement Underdrain, S'd, UD-4 Req'd.
 - 17 Pavement Underdrain, Mod. 6" UD-4 Req'd.
 - 18 Crossdrain, S'd, CD-1 Req'd.
 - 19 Crossdrain, S'd, CD-2 Req'd.
 - 20 Standard Fence, S'd, FE-CL Req'd.
 - 21 Grass Raised Median, S'd, MS-2 (4" Curb)
 - 22 Chain Link Fence, S'd, FE-CL Req'd.
 - 23 Guardrail, S'd, GR-MGS1 Req'd.
 - 24 Guardrail, S'd, GR-MGS1A Req'd.
 - 25 Guardrail Tangent End Terminal, S'd, GR-MGS2 Req'd.
 - 26 Guardrail Trailing End, S'd, GR-MGS3 Req'd.
 - 27 Guardrail, S'd, GR-10, Type I Req'd.
 - 28 Guardrail, S'd, GR-10, Type II Req'd.
 - 29 Guardrail, S'd, GR-10, Type III Req'd.
 - 30 Fixed Object Att., S'd, GR-FOA-2 Ty.1 Req'd.
 - 31 Fixed Object Att., S'd, GR-FOA-2 Ty.2 Req'd.
 - 32 Guardrail Transition, S'd, GR-MGS4 Req'd.
 - 33 End CG-9D Entrance Type
 - 34 Handrail, S'd, HR-1 Type III Req'd.
 - 35 Remove Exlst. Guardrail
 - 36 Remove Exlst. Fence
 - 37 Remove Exlst. Structure
 - 38 Remove Or Abandon and Fill Exlst. Pipe
 - 39 Remove Exlst. Pole
 - 40 Adj. Exlst. Structure
 - 41 Clean Out Exlst. Structure
 - 42 Full Depth Sawcut
 - 43 Clean Out Exlst. Pipe
 - 44 10" Gutter Run Out
 - 45 Median Barrier, S'd, MB-8A Req'd.
 - 46 Pavement Demarcation Line

- 11 Curb Ramp, S'd, CG-12 Req'd.
- 12 Underdrain Endwall, S'd, EW-12 Req'd.
- 13 Shoulder Break Over Line
- 14 Groundwater Underdrain, S'd, UD-1 Req'd.
- 15 Curb-Cul Opening, Drainage Flume
- 16 Pavement Underdrain, S'd, UD-4 Req'd.
- 17 Pavement Underdrain, Mod. 6" UD-4 Req'd.
- 18 Crossdrain, S'd, CD-1 Req'd.
- 19 Crossdrain, S'd, CD-2 Req'd.
- 20 Standard Fence, S'd, FE-CL Req'd.
- 21 Grass Raised Median, S'd, MS-2 (4" Curb)
- 22 Chain Link Fence, S'd, FE-CL Req'd.
- 23 Guardrail, S'd, GR-MGS1 Req'd.
- 24 Guardrail, S'd, GR-MGS1A Req'd.
- 25 Guardrail Tangent End Terminal, S'd, GR-MGS2 Req'd.
- 26 Guardrail Trailing End, S'd, GR-MGS3 Req'd.
- 27 Guardrail, S'd, GR-10, Type I Req'd.
- 28 Guardrail, S'd, GR-10, Type II Req'd.
- 29 Guardrail, S'd, GR-10, Type III Req'd.
- 30 Fixed Object Att., S'd, GR-FOA-2 Ty.1 Req'd.
- 31 Fixed Object Att., S'd, GR-FOA-2 Ty.2 Req'd.
- 32 Guardrail Transition, S'd, GR-MGS4 Req'd.
- 33 End CG-9D Entrance Type
- 34 Handrail, S'd, HR-1 Type III Req'd.
- 35 Remove Exlst. Guardrail
- 36 Remove Exlst. Fence
- 37 Remove Exlst. Structure
- 38 Remove Or Abandon and Fill Exlst. Pipe
- 39 Remove Exlst. Pole
- 40 Adj. Exlst. Structure
- 41 Clean Out Exlst. Structure
- 42 Full Depth Sawcut
- 43 Clean Out Exlst. Pipe
- 44 10" Gutter Run Out
- 45 Median Barrier, S'd, MB-8A Req'd.
- 46 Pavement Demarcation Line

- 23 Guardrail, S'd, GR-MGS1 Req'd.
- 24 Guardrail, S'd, GR-MGS1A Req'd.
- 25 Guardrail Tangent End Terminal, S'd, GR-MGS2 Req'd.
- 26 Guardrail Trailing End, S'd, GR-MGS3 Req'd.
- 27 Guardrail, S'd, GR-10, Type I Req'd.
- 28 Guardrail, S'd, GR-10, Type II Req'd.
- 29 Guardrail, S'd, GR-10, Type III Req'd.
- 30 Fixed Object Att., S'd, GR-FOA-2 Ty.1 Req'd.
- 31 Fixed Object Att., S'd, GR-FOA-2 Ty.2 Req'd.
- 32 Guardrail Transition, S'd, GR-MGS4 Req'd.
- 33 End CG-9D Entrance Type
- 34 Handrail, S'd, HR-1 Type III Req'd.
- 35 Remove Exlst. Guardrail
- 36 Remove Exlst. Fence
- 37 Remove Exlst. Structure
- 38 Remove Or Abandon and Fill Exlst. Pipe
- 39 Remove Exlst. Pole
- 40 Adj. Exlst. Structure
- 41 Clean Out Exlst. Structure
- 42 Full Depth Sawcut
- 43 Clean Out Exlst. Pipe
- 44 10" Gutter Run Out
- 45 Median Barrier, S'd, MB-8A Req'd.
- 46 Pavement Demarcation Line

- 35 Remove Exlst. Guardrail
- 36 Remove Exlst. Fence
- 37 Remove Exlst. Structure
- 38 Remove Or Abandon and Fill Exlst. Pipe
- 39 Remove Exlst. Pole
- 40 Adj. Exlst. Structure
- 41 Clean Out Exlst. Structure
- 42 Full Depth Sawcut
- 43 Clean Out Exlst. Pipe
- 44 10" Gutter Run Out
- 45 Median Barrier, S'd, MB-8A Req'd.
- 46 Pavement Demarcation Line

- Denotes Full Depth Pavement
- Denotes Concrete
- Denotes SUP/Driveway /Private Entrance Pavement
- Denotes Pavement Demolition
- Denotes Milling and Overlay / Variable Depth Overlay
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

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

Construction Alignment	IG(1)
Typical Sections	2A
Van Buren Profile	4A
Access Road Profile	15A

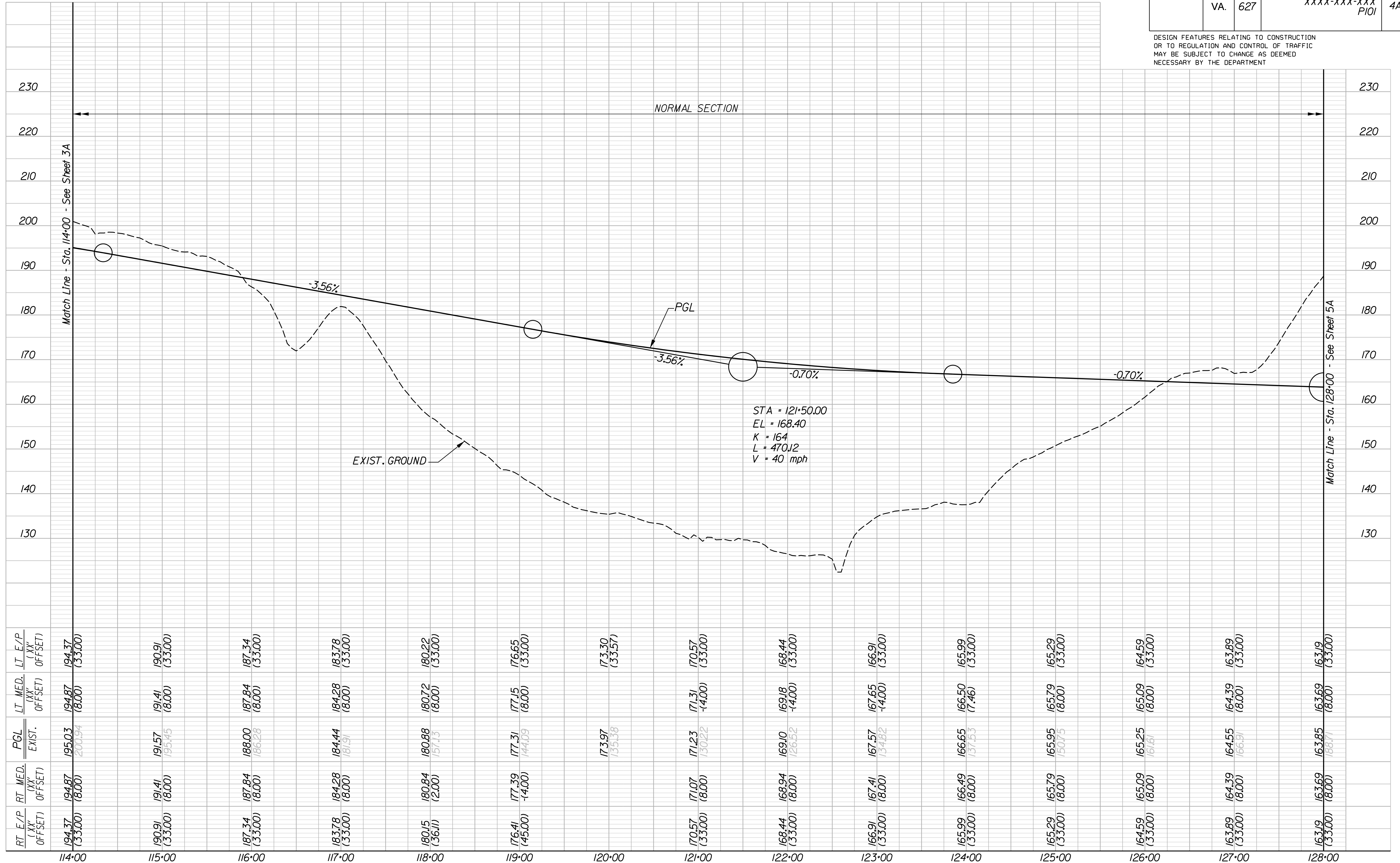
Curve VAN_BUR_3 PI - 118+34.53 DELTA - 23° 45' 41/2" (RT) D - 2' 29' 28" T - 483.88' L - 953.84' R - 2300.00' PC - 113+50.65 PT - 123+04.50	Curve ACCESS_RDI PI - 118+62.24 DELTA - 30° 53' 16.80" (RT) D - 14' 19' 26" T - 110.51' L - 215.64' R - 400.00' PC - 107+57.73 PT - 12-91.37
---	--

SCALE	PROJECT	SHEET NO.
0 50' 100'	XXXX-XXX-XXX	4

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	627	XXXX-XXX-XXX PIQI	4A

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



RT. E/P (XX' OFFSET)	RT. MED. (XX' OFFSET)	PGL EXIST.	LT. MED. (XX' OFFSET)	LT. E/P (XX' OFFSET)
194.37 (33.00)	194.87 (8.00)	195.03 (33.00) 200.94 (8.00)	194.87 (8.00)	194.37 (33.00)
190.91 (33.00)	191.41 (8.00)	191.57 (8.00) 195.45 (8.00)	191.41 (8.00)	190.91 (33.00)
187.34 (33.00)	187.84 (8.00)	188.00 (8.00) 186.28 (8.00)	187.84 (8.00)	187.34 (33.00)
183.78 (33.00)	184.28 (8.00)	184.44 (8.00) 181.91 (8.00)	184.28 (8.00)	183.78 (33.00)
180.15 (36.11)	180.84 (2.00)	180.88 (8.00) 157.13 (8.00)	180.72 (8.00)	180.22 (33.00)
176.41 (45.00)	177.39 (-4.00)	177.31 (8.00) 144.09 (8.00)	177.15 (8.00)	176.65 (33.00)
		173.97 (35.18)		173.30 (33.57)
170.57 (33.00)	171.07 (8.00)	171.23 (8.00) 130.22 (8.00)	171.31 (-4.00)	170.57 (33.00)
168.44 (33.00)	168.94 (8.00)	169.10 (8.00) 126.52 (8.00)	169.18 (-4.00)	168.44 (33.00)
166.91 (33.00)	167.41 (8.00)	167.57 (8.00) 134.82 (8.00)	167.65 (-4.00)	166.91 (33.00)
165.99 (33.00)	166.49 (8.00)	166.65 (8.00) 137.53 (8.00)	166.50 (7.46)	165.99 (33.00)
165.29 (33.00)	165.79 (8.00)	165.95 (8.00) 150.75 (8.00)	165.79 (8.00)	165.29 (33.00)
164.59 (33.00)	165.09 (8.00)	165.25 (8.00) 161.81 (8.00)	165.09 (8.00)	164.59 (33.00)
163.89 (33.00)	164.39 (8.00)	164.55 (8.00) 166.31 (8.00)	164.39 (8.00)	163.89 (33.00)
163.19 (33.00)	163.69 (8.00)	163.85 (8.00) 168.71 (8.00)	163.69 (8.00)	163.19 (33.00)

VAN BUREN ROAD

HORIZ. 0 50' 100'	PROJECT	SHEET NO.
VERT. 0 10' 20'	XXXX-XXX-XXX	4A

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

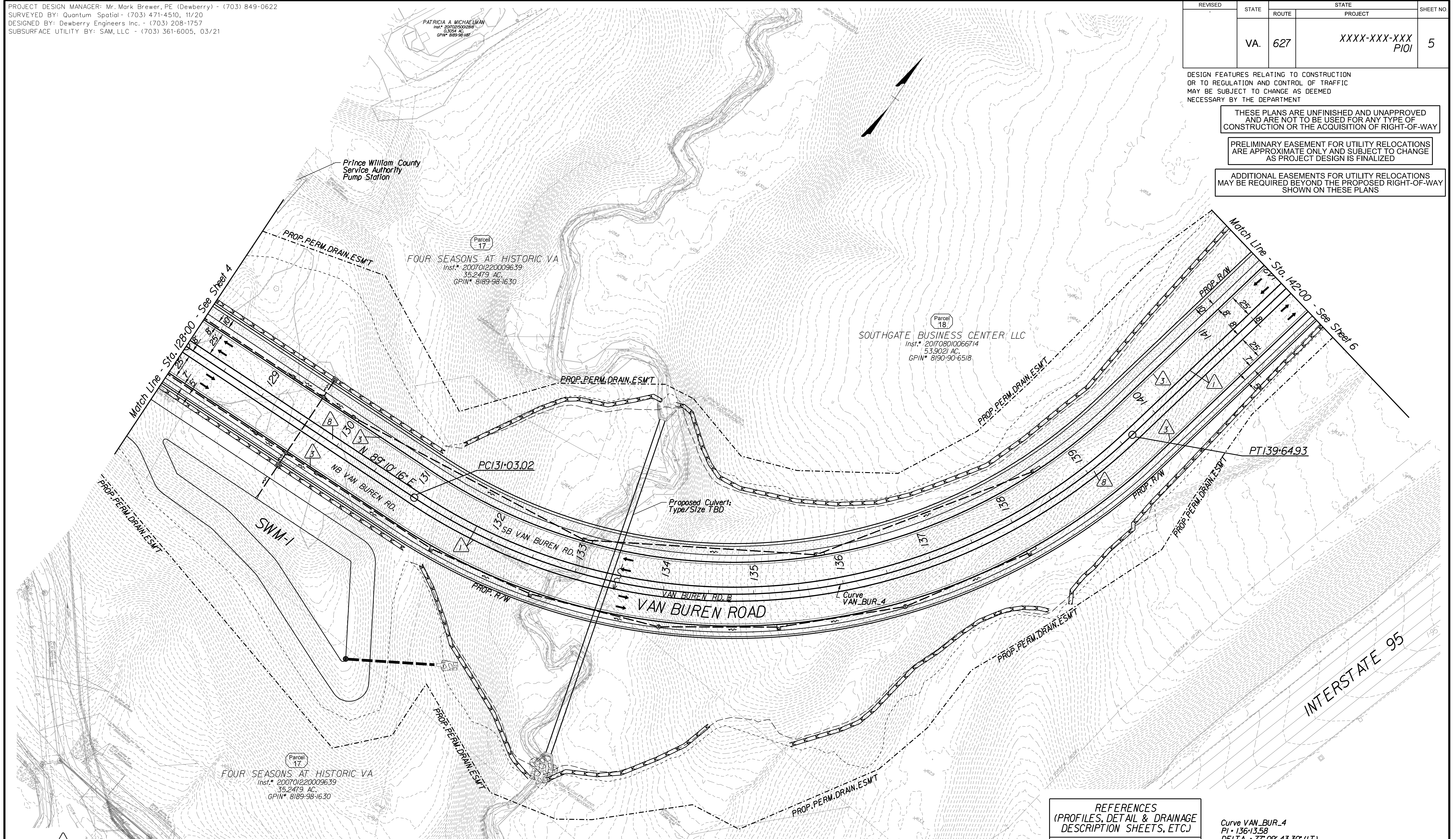
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX PIQI	5

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

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

PRELIMINARY EASEMENT FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

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

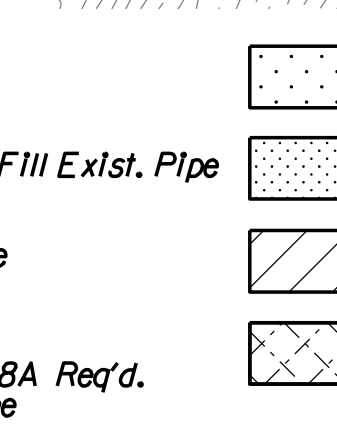


- Key Legend **XX**
- 6" Curb, S'd, CG-2 Req'd.
 - 4" Curb, S'd, CG-3 Req'd.
 - 6" Curb and Gutter, S'd, CG-6 Req'd.
 - 4" Curb and Gutter, S'd, CG-7 Req'd.
 - Conc. Raised Median, S'd, MS-1 with 4" Curb Req'd.
 - Not Used
 - Conc. Raised Median, S'd, MS-1A (6" Curb)
 - Grass Raised Median, S'd, MS-2 (6" Curb)
 - Entrance Gutter, S'd, CG-9D Req'd.
 - Entrance, S'd, CG-11 Req'd.
 - Curb Ramp, S'd, CG-12 Req'd.
 - Underdrain Endwall, S'd, EW-12 Req'd.
 - Shoulder Break Over Line
 - Groundwater Underdrain, S'd, UD-1 Req'd.
 - Curb-Cul Opening, Drainage Flume
 - Pavement Underdrain, S'd, UD-4 Req'd.
 - Pavement Underdrain, Mod. 6" UD-4 Req'd.
 - Crossdrain, S'd, CD-1 Req'd.
 - Crossdrain, S'd, CD-2 Req'd.
 - Standard Fence, S'd, FE-CL Req'd.
 - Grass Raised Median, S'd, MS-2 (4" Curb)
 - Chain Link Fence, S'd, FE-CL Req'd.
 - Guardrail, S'd, GR-MGS1 Req'd.
 - Guardrail, S'd, GR-MGS1A Req'd.
 - Guardrail Tangent End Terminal, S'd, GR-MGS2 Req'd.
 - Guardrail Trailing End, Achange, S'd, GR-MGS3 Req'd.
 - Guardrail, S'd, GR-10, Type I Req'd.
 - Guardrail, S'd, GR-10, Type II Req'd.
 - Guardrail, S'd, GR-10, Type III Req'd.
 - Fixed Object Att., S'd, GR-FOA-2 Ty. I Req'd.
 - Fixed Object Att., S'd, GR-FOA-2 Ty. 2 Req'd.
 - Guardrail Transition, S'd, GR-MGS4 Req'd.
 - End CG-9D Entrance Type
 - Handrail, S'd, HR-1 Type III Req'd.
 - Remove Exist. Guardrail
 - Remove Exist. Fence
 - Remove Exist. Structure
 - Remove Or Abandon and Fill Exist. Pipe
 - Remove Exist. Pole
 - Adjust Exist. Structure
 - Clean Out Exist. Structure
 - Full Depth Sawcut
 - Clean Out Exist. Pipe
 - 10' Gutter Run Out
 - Median Barrier, S'd, MB-8A Req'd.
 - Pavement Demarcation Line

- Denotes Full Depth Pavement
- Denotes Concrete
- Denotes SUP/Driveway /Private Entrance Pavement
- Denotes Pavement Demolition
- Denotes Milling and Overlay / Variable Depth Overlay
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

- REFERENCES**
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
- | | |
|------------------------|-----------|
| Construction Alignment | IG11-IG12 |
| Typical Sections | 2A |
| Profile | 5A |

Curve VAN_BUR_4
PI - 136+13.58
DELTA - 77° 09' 43.30" (LT)
D - 8' 57' 09"
T - 510.56'
L - 861.91'
R - 640.00'
PC - 131+03.02
PT - 139+64.93



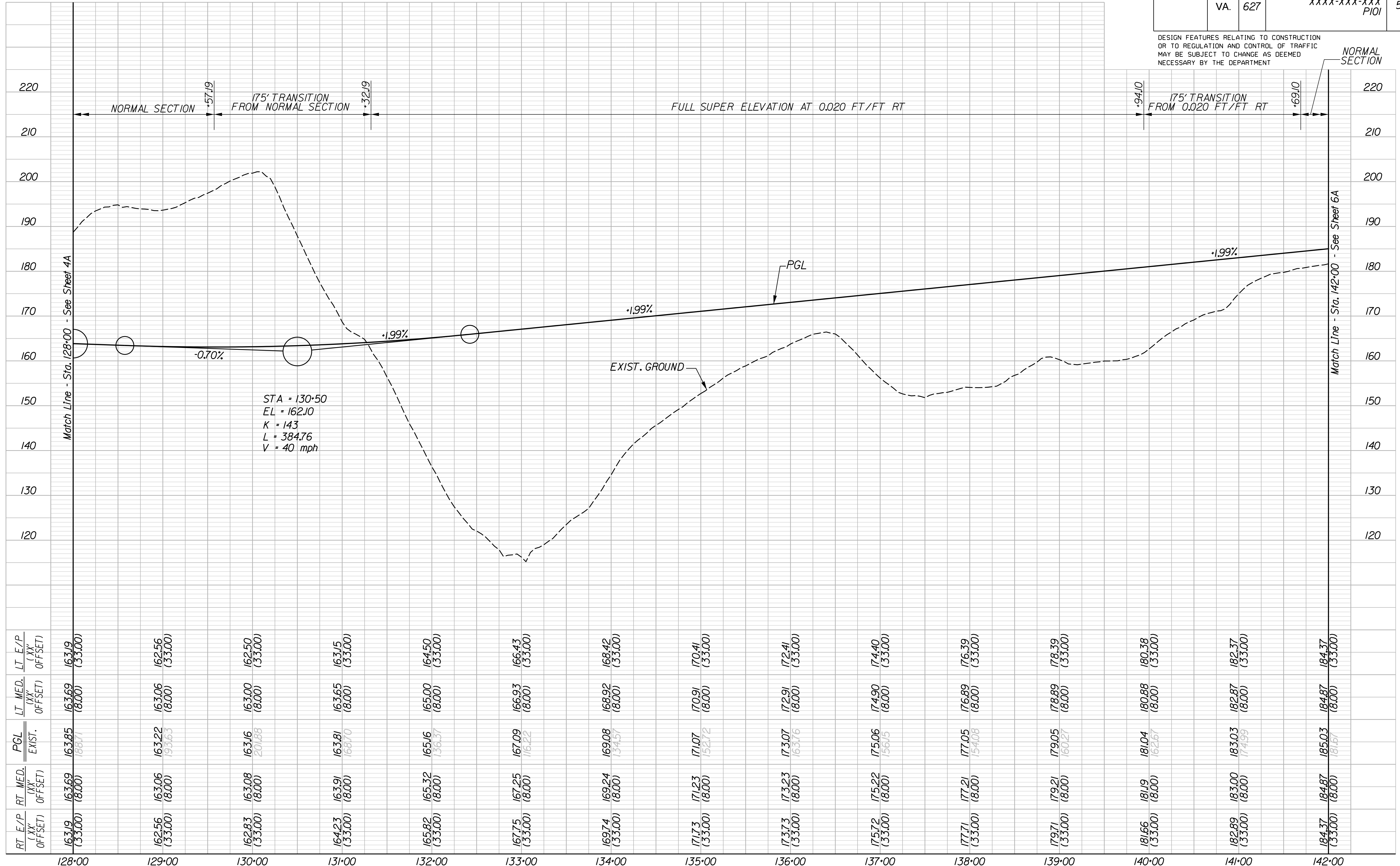
PROJECT
XXXX-XXX-XXX

SHEET NO.
5

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	627	XXXX-XXX-XXX PIQI	5A

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



STA = 130+50
 EL = 162.10
 K = 143
 L = 384.76
 V = 40 mph

RT E/P (XX' OFFSET)	RT MED. (XX' OFFSET)	PGL EXIST.	LT MED. (XX' OFFSET)	LT E/P (XX' OFFSET)
163.19 (33.00)	163.69 (8.00)	163.85 (88.7)	163.69 (8.00)	163.19 (33.00)
162.56 (33.00)	163.06 (8.00)	163.22 (93.63)	163.06 (8.00)	162.56 (33.00)
162.83 (33.00)	163.08 (8.00)	163.16 (201.88)	163.00 (8.00)	162.50 (33.00)
164.23 (33.00)	163.91 (8.00)	163.81 (68.70)	163.65 (8.00)	163.15 (33.00)
165.82 (33.00)	165.32 (8.00)	165.16 (36.37)	165.00 (8.00)	164.50 (33.00)
167.15 (33.00)	167.25 (8.00)	167.09 (16.22)	166.93 (8.00)	166.43 (33.00)
169.74 (33.00)	169.24 (8.00)	169.08 (34.57)	168.92 (8.00)	168.42 (33.00)
171.73 (33.00)	171.23 (8.00)	171.07 (52.72)	170.91 (8.00)	170.41 (33.00)
173.73 (33.00)	173.23 (8.00)	173.07 (63.76)	172.91 (8.00)	172.41 (33.00)
175.72 (33.00)	175.22 (8.00)	175.06 (56.15)	174.90 (8.00)	174.40 (33.00)
177.71 (33.00)	177.21 (8.00)	177.05 (54.08)	176.89 (8.00)	176.39 (33.00)
179.71 (33.00)	179.21 (8.00)	179.05 (60.27)	178.89 (8.00)	178.39 (33.00)
181.66 (33.00)	181.19 (8.00)	181.04 (62.67)	180.88 (8.00)	180.38 (33.00)
182.89 (33.00)	183.00 (8.00)	183.03 (74.99)	182.87 (8.00)	182.37 (33.00)
184.37 (33.00)	184.87 (8.00)	185.03 (81.67)	184.87 (8.00)	184.37 (33.00)

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

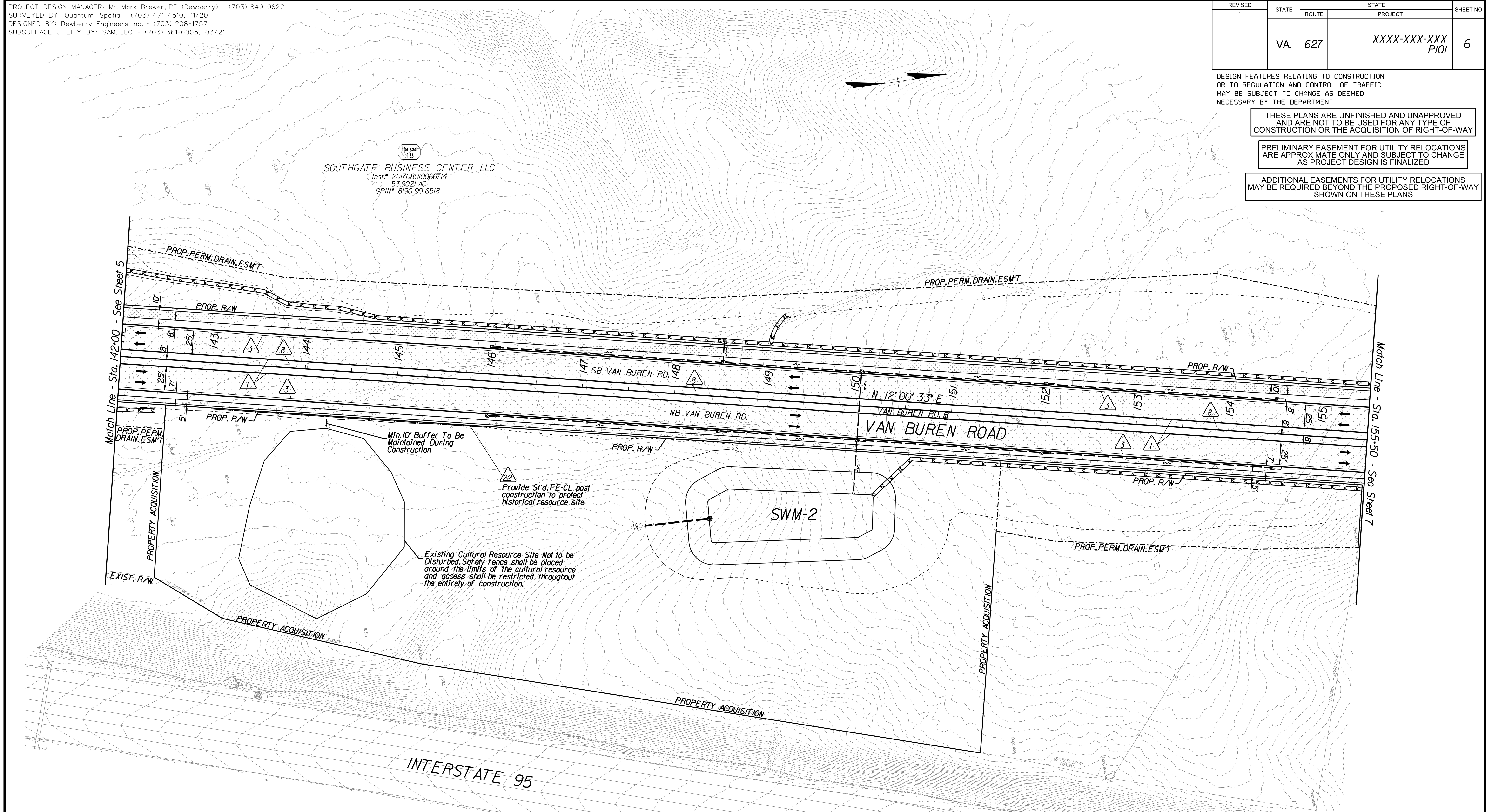
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX PIQI	6

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

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

PRELIMINARY EASEMENT FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

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



Key Legend (XX)

- | | | | |
|--|---|---|---|
| 1 6" Curb, S'd, CG-2 Req'd. | 11 Curb Ramp, S'd, CG-12 Req'd. | 23 Guardrail, S'd, GR-MGSI Req'd. | 35 Remove Exlst. Guardrail |
| 2 4" Curb, S'd, CG-3 Req'd. | 12 Underdrain Endwall, S'd, EW-12 Req'd. | 24 Guardrail, S'd, GR-MGSIA Req'd. | 36 Remove Exlst. Fence |
| 3 6" Curb and Gutter, S'd, CG-6 Req'd. | 13 Shoulder Break Over Line | 25 Guardrail Tangent End Terminal, S'd, GR-MGS2 Req'd. | 37 Remove Exlst. Structure |
| 4 4" Curb and Gutter, S'd, CG-7 Req'd. | 14 Groundwater Underdrain, S'd, UD-1 Req'd. | 26 Guardrail Trailing End, Acharge, S'd, GR-MGS3 Req'd. | 38 Remove Or Abandon and Fill Exlst. Pipe |
| 5 Conc. Raised Median, S'd, MS-1 with 4" Curb Req'd. | 15 Curb-Cul Opening, Drainage Flume | 27 Guardrail, S'd, GR-10, Type I Req'd. | 39 Remove Exlst. Pole |
| 6 Not Used | 16 Pavement Underdrain, S'd, UD-4 Req'd. | 28 Guardrail, S'd, GR-10, Type II Req'd. | 40 Adjust Exlst. Structure |
| | 17 Pavement Underdrain, Mod. 6" UD-4 Req'd. | 29 Guardrail, S'd, GR-10, Type III Req'd. | 41 Clean Out Exlst. Structure |
| | 18 Crossdrain, S'd, CD-1 Req'd. | 30 Fixed Object Att., S'd, GR-FOA-2 Ty.1 Req'd. | 42 Full Depth Sawcut |
| | 19 Crossdrain, S'd, CD-2 Req'd. | 31 Fixed Object Att., S'd, GR-FOA-2 Ty.2 Req'd. | 43 Clean Out Exlst. Pipe |
| | 20 Standard Fence, S'd, FE-CL Req'd. | 32 Guardrail Transition, S'd, GR-MGS4 Req'd. | 44 10' Gutter Run Out |
| | 21 Grass Raised Median, S'd, MS-2 (4" Curb) | 33 End CG-9D Entrance Type | 45 Median Barrier, S'd, MB-8A Req'd. |
| | 22 Chain Link Fence, S'd, FE-CL Req'd. | 34 Handrail, S'd, HR-1 Type III Req'd. | 46 Pavement Demarcation Line |

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

Construction Alignment	IG(2)
Typical Sections	2A
Profile	6A

- | | | | |
|--|--|--|--------------------------------------|
| | Denotes Full Depth Pavement | | Denotes Concrete |
| | Denotes SUP/Driveway /Private Entrance Pavement | | Denotes Construction Limits in Cuts |
| | Denotes Pavement Demolition | | Denotes Construction Limits in Fills |
| | Denotes Milling and Overlay / Variable Depth Overlay | | |

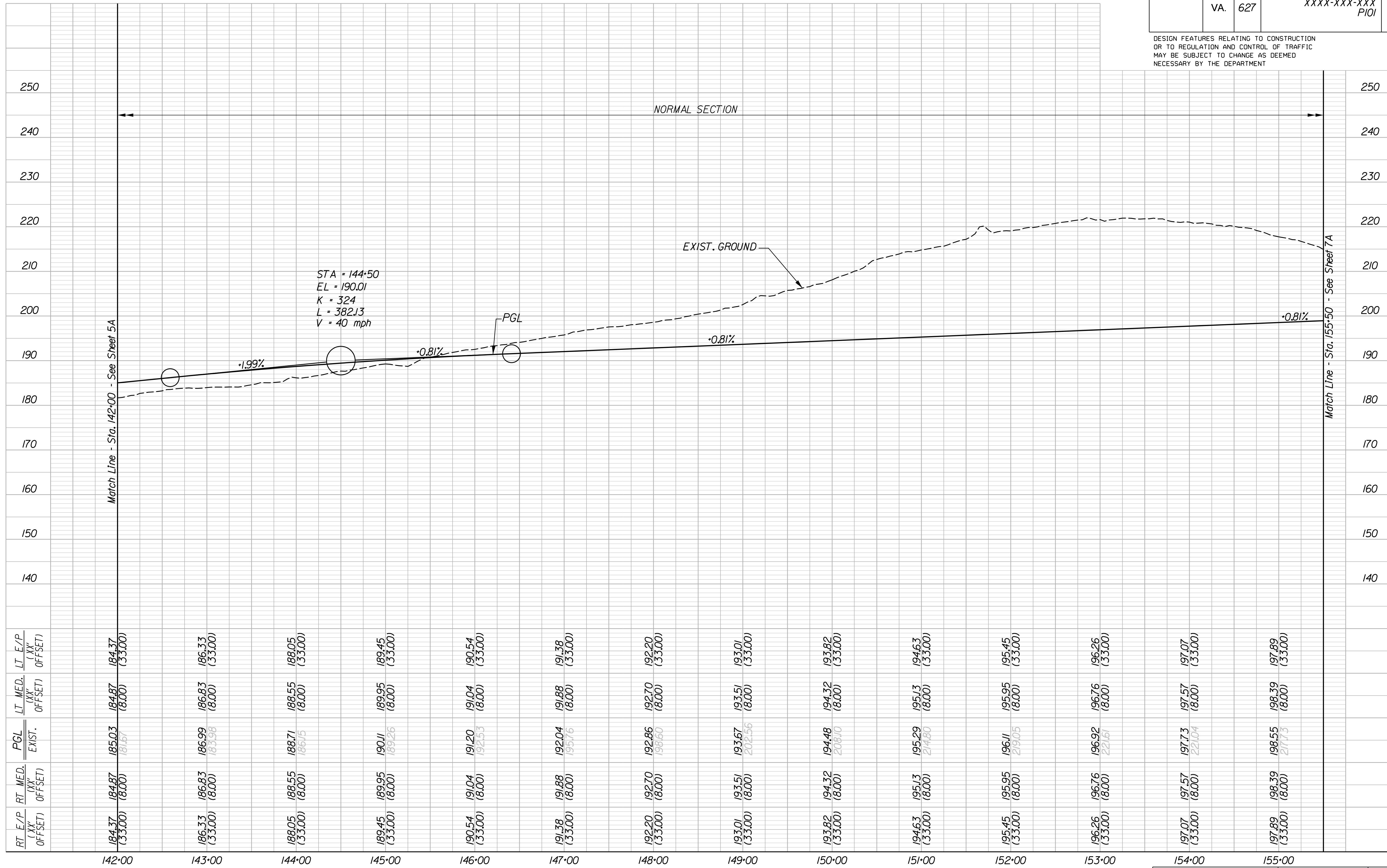
SCALE 0 50' 100'

PROJECT	XXXX-XXX-XXX	SHEET NO.	6
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PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX PIQI	6A

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



RT E/P (XX' OFFSET)	RT MED. (XX' OFFSET)	PGL EXIST.	LT MED. (XX' OFFSET)	LT E/P (XX' OFFSET)
184.37 (33.00)	184.87 (8.00)	185.03 184.67	184.87 (8.00)	184.37 (33.00)
186.33 (33.00)	186.83 (8.00)	186.99 186.98	186.83 (8.00)	186.33 (33.00)
188.05 (33.00)	188.55 (8.00)	188.71 186.15	188.55 (8.00)	188.05 (33.00)
189.45 (33.00)	189.95 (8.00)	190.11 189.26	189.95 (8.00)	189.45 (33.00)
190.54 (33.00)	191.04 (8.00)	191.20 192.53	191.04 (8.00)	190.54 (33.00)
191.38 (33.00)	191.88 (8.00)	192.04 195.16	191.88 (8.00)	191.38 (33.00)
192.20 (33.00)	192.70 (8.00)	192.86 198.60	192.70 (8.00)	192.20 (33.00)
193.01 (33.00)	193.51 (8.00)	193.67 202.56	193.51 (8.00)	193.01 (33.00)
193.82 (33.00)	194.32 (8.00)	194.48 208.10	194.32 (8.00)	193.82 (33.00)
194.63 (33.00)	195.13 (8.00)	195.29 214.80	195.13 (8.00)	194.63 (33.00)
195.45 (33.00)	195.95 (8.00)	196.11 219.05	195.95 (8.00)	195.45 (33.00)
196.26 (33.00)	196.76 (8.00)	196.92 221.61	196.76 (8.00)	196.26 (33.00)
197.07 (33.00)	197.57 (8.00)	197.73 221.04	197.57 (8.00)	197.07 (33.00)
197.89 (33.00)	198.39 (8.00)	198.55 217.73	198.39 (8.00)	197.89 (33.00)

VAN BUREN ROAD

HORIZ 0 50' 100'	PROJECT XXXX-XXX-XXX	SHEET NO. 6A
VERT. 0 10' 20'		

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

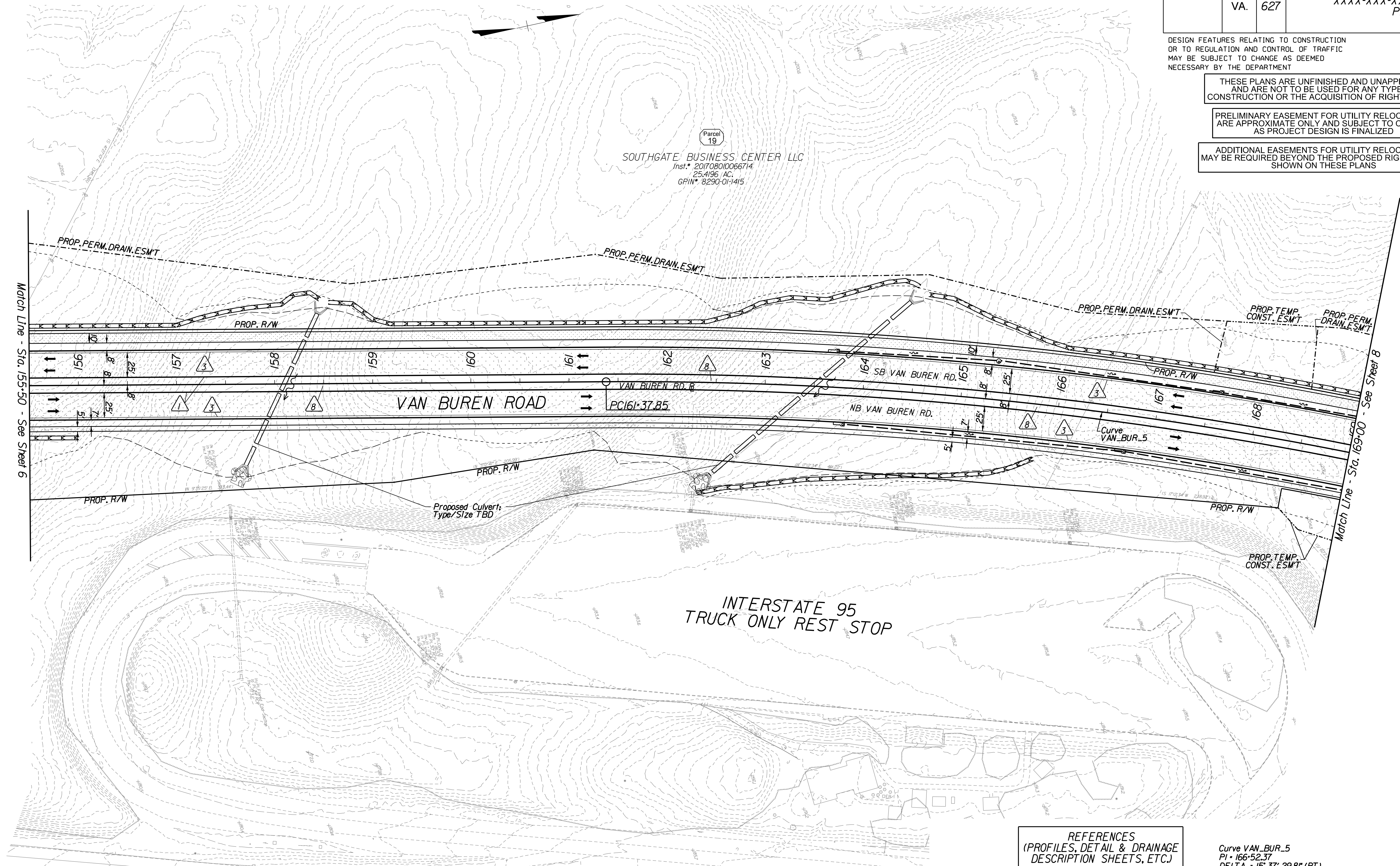
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX PIQI	7

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

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

PRELIMINARY EASEMENT FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

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



Key Legend

- | | | |
|--|---|---|
| 1 6" Curb, S'd, CG-2 Req'd. | 11 Curb Ramp, S'd, CG-12 Req'd. | 23 Guardrail, S'd, GR-MGSI Req'd. |
| 2 4" Curb, S'd, CG-3 Req'd. | 12 Underdrain Endwall, S'd, EW-12 Req'd. | 24 Guardrail, S'd, GR-MGSIA Req'd. |
| 3 6" Curb and Gutter, S'd, CG-6 Req'd. | 13 Shoulder Break Over Line | 25 Guardrail Tangent End Terminal, S'd, GR-MGS2 Req'd. |
| 4 4" Curb and Gutter, S'd, CG-7 Req'd. | 14 Groundwater Underdrain, S'd, UD-1 Req'd. | 26 Guardrail Trailing End, Acharge, S'd, GR-MGS3 Req'd. |
| 5 Conc. Raised Median, S'd, MS-1 with 4" Curb Req'd. | 15 Curb-Cut Opening, Drainage Flume | 27 Guardrail, S'd, GR-10, Type II Req'd. |
| 6 Not Used | 16 Pavement Underdrain, S'd, UD-4 Req'd. | 28 Guardrail, S'd, GR-10, Type III Req'd. |
| 7 Conc. Raised Median, S'd, MS-1A (6" Curb) | 17 Pavement Underdrain, Mod. 6" UD-4 Req'd. | 29 Fixed Object Alt., S'd, GR-FOA-2 Ty. I Req'd. |
| 8 Grass Raised Median, S'd, MS-2 (6" Curb) | 18 Crossdrain, S'd, CD-1 Req'd. | 30 Fixed Object Alt., S'd, GR-FOA-2 Ty. 2 Req'd. |
| 9 Entrance Gutter, S'd, CG-9D Req'd. | 19 Crossdrain, S'd, CD-2 Req'd. | 31 Guardrail Transition, S'd, GR-MGS4 Req'd. |
| 10 Entrance, S'd, CG-11 Req'd. | 20 Standard Fence, S'd, FE-CL Req'd. | 32 End CG-9D Entrance Type |
| | 21 Grass Raised Median, S'd, MS-2 (4" Curb) | 33 Handrail, S'd, HR-1 Type III Req'd. |
| | 22 Chain Link Fence, S'd, FE-CL Req'd. | |

- | | | |
|---|--|--------------------------------------|
| 35 Remove Exlst. Guardrail | Denotes Full Depth Pavement | Denotes Concrete |
| 36 Remove Exlst. Fence | Denotes SUP/Driveway /Private Entrance Pavement | |
| 37 Remove Exlst. Structure | Denotes Pavement Demolition | Denotes Construction Limits in Cuts |
| 38 Remove Or Abandon and Fill Exlst. Pipe | Denotes Milling and Overlay / Variable Depth Overlay | Denotes Construction Limits in Fills |
| 39 Remove Exlst. Pole | | |
| 40 Adjust Exlst. Structure | | |
| 41 Clean Out Exlst. Structure | | |
| 42 Full Depth Sawcut | | |
| 43 Clean Out Exlst. Pipe | | |
| 44 10' Gutter Run Out | | |
| 45 Median Barrier, S'd, MB-8A Req'd. | | |
| 46 Pavement Demarcation Line | | |

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

Construction Alignment	IG(2)-IG(3)
Typical Sections	2A
Profile	7A

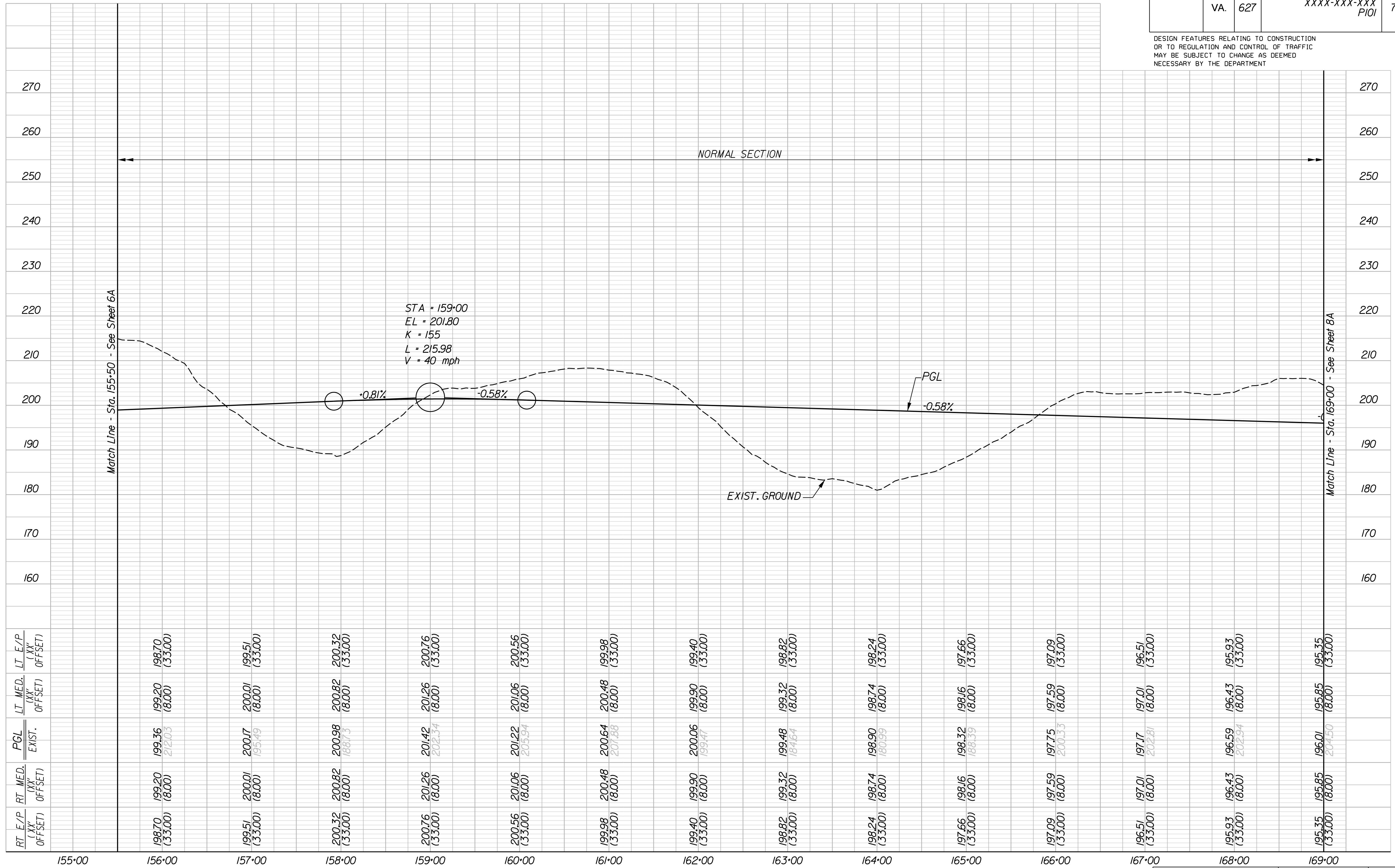
Curve VAN_BUR_5
PI = 166+52.37
DELTA = 15° 37' 29.81" (RT)
D = 7° 31' 40"
T = 514.52'
L = 1022.65'
R = 3750.00'
PC = 161+37.85
PT = 171+60.50

SCALE	PROJECT	SHEET NO.
0 50' 100'	XXXX-XXX-XXX	7

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	627	XXXX-XXX-XXX P/OI	7A

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



RT. E/P (XX' OFFSET)	RT. MED. (XX' OFFSET)	PGL EXIST.	LT. MED. (XX' OFFSET)	LT. E/P (XX' OFFSET)
198.76 (33.00)	199.20 (8.00)	199.36 212.03	199.20 (8.00)	198.70 (33.00)
199.51 (33.00)	200.01 (8.00)	200.17 195.49	200.01 (8.00)	199.51 (33.00)
200.32 (33.00)	200.82 (8.00)	200.98 188.73	200.82 (8.00)	200.32 (33.00)
200.76 (33.00)	201.26 (8.00)	201.42 202.34	201.26 (8.00)	200.76 (33.00)
200.56 (33.00)	201.06 (8.00)	201.22 205.94	201.06 (8.00)	200.56 (33.00)
199.98 (33.00)	200.48 (8.00)	200.64 207.88	200.48 (8.00)	199.98 (33.00)
199.40 (33.00)	199.90 (8.00)	200.06 199.47	199.90 (8.00)	199.40 (33.00)
198.82 (33.00)	199.32 (8.00)	199.48 184.64	199.32 (8.00)	198.82 (33.00)
198.24 (33.00)	198.74 (8.00)	198.90 180.99	198.74 (8.00)	198.24 (33.00)
197.66 (33.00)	198.16 (8.00)	198.32 188.39	198.16 (8.00)	197.66 (33.00)
197.09 (33.00)	197.59 (8.00)	197.75 200.33	197.59 (8.00)	197.09 (33.00)
196.51 (33.00)	197.01 (8.00)	197.17 202.81	197.01 (8.00)	196.51 (33.00)
195.93 (33.00)	196.43 (8.00)	196.59 202.94	196.43 (8.00)	195.93 (33.00)
195.35 (33.00)	195.85 (8.00)	196.01 204.50	195.85 (8.00)	195.35 (33.00)

VAN BUREN ROAD

HORIZ. 0 50' 100'	PROJECT XXXX-XXX-XXX	SHEET NO. 7A
VERT. 0 10' 20'		

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

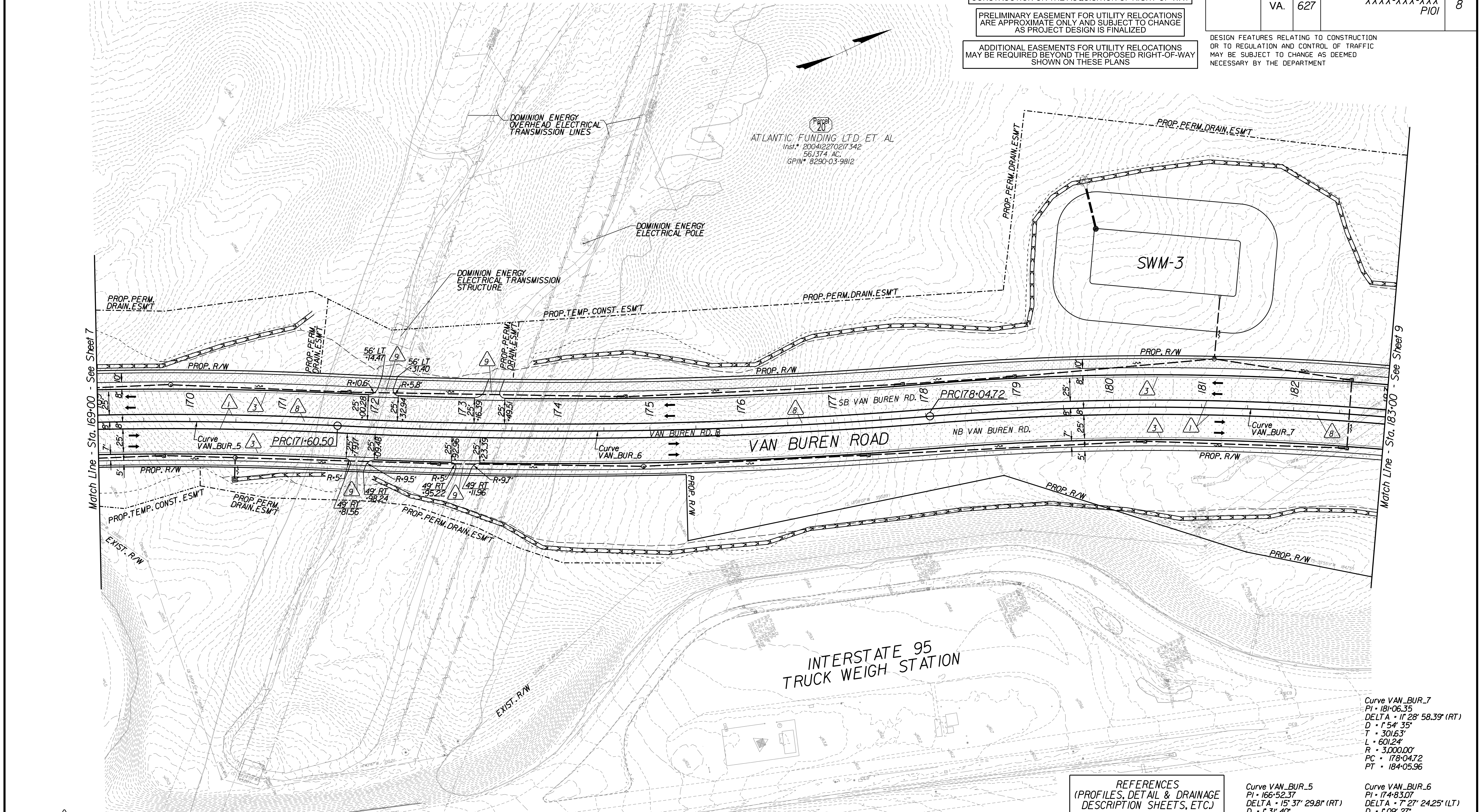
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT-OF-WAY

PRELIMINARY EASEMENT FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

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

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX PIQI	8

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



- Key Legend**
- 1 6" Curb, S'd, CG-2 Req'd.
 - 2 4" Curb, S'd, CG-3 Req'd.
 - 3 6" Curb and Gutter, S'd, CG-6 Req'd.
 - 4 4" Curb and Gutter, S'd, CG-7 Req'd.
 - 5 Conc. Raised Median, S'd, MS-1 with 4" Curb Req'd.
 - 6 Not Used
 - 7 Conc. Raised Median, S'd, MS-1A (6" Curb)
 - 8 Grass Raised Median, S'd, MS-2 (6" Curb)
 - 9 Entrance Gutter, S'd, CG-9D Req'd.
 - 10 Entrance, S'd, CG-11 Req'd.
 - 11 Curb Ramp, S'd, CG-12 Req'd.
 - 12 Underdrain Endwall, S'd, EW-12 Req'd.
 - 13 Shoulder Break Over Line
 - 14 Groundwater Underdrain, S'd, UD-1 Req'd.
 - 15 Curb-Cut Opening, Drainage Flume
 - 16 Pavement Underdrain, S'd, UD-4 Req'd.
 - 17 Pavement Underdrain, Mod. 6" UD-4 Req'd.
 - 18 Crossdrain, S'd, CD-1 Req'd.
 - 19 Crossdrain, S'd, CD-2 Req'd.
 - 20 Standard Fence, S'd, FE-CL Req'd.
 - 21 Grass Raised Median, S'd, MS-2 (4" Curb)
 - 22 Chain Link Fence, S'd, FE-CL Req'd.
 - 23 Guardrail, S'd, GR-MGSI Req'd.
 - 24 Guardrail, S'd, GR-MGSIA Req'd.
 - 25 Guardrail Tangent End Terminal, S'd, GR-MGS2 Req'd.
 - 26 Guardrail Trailing End, Acharge, S'd, GR-MGS3 Req'd.
 - 27 Guardrail, S'd, GR-10, Type I Req'd.
 - 28 Guardrail, S'd, GR-10, Type II Req'd.
 - 29 Guardrail, S'd, GR-10, Type III Req'd.
 - 30 Fixed Object Att., S'd, GR-FOA-2 Ty.1 Req'd.
 - 31 Fixed Object Att., S'd, GR-FOA-2 Ty.2 Req'd.
 - 32 Guardrail Transition, S'd, GR-MGS4 Req'd.
 - 33 End CG-9D Entrance Type
 - 34 Handrail, S'd, HR-1 Type III Req'd.
 - 35 Remove Exist. Guardrail
 - 36 Remove Exist. Fence
 - 37 Remove Exist. Structure
 - 38 Remove Or Abandon and Fill Exist. Pipe
 - 39 Remove Exist. Pole
 - 40 Adjust Exist. Structure
 - 41 Clean Out Exist. Structure
 - 42 Full Depth Sawcut
 - 43 Clean Out Exist. Pipe
 - 44 10' Gutter Run Out
 - 45 Median Barrier, S'd, MB-8A Req'd.
 - 46 Pavement Demarcation Line

- Denotes Full Depth Pavement
- Denotes SUP/Driveway /Private Entrance Pavement
- Denotes Pavement Demolition
- Denotes Milling and Overlay / Variable Depth Overlay
- Denotes Concrete
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

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

Construction Alignment	1G(3)
Typical Sections	2A
Profile	8A

<p>Curve VAN_BUR_5 PI • 166+52.37 DELTA • 15° 37' 29.8" (RT) D • 31' 40" T • 514.52' L • 1022.65' R • 3750.00' PC • 161+37.85 PT • 171+60.50</p>	<p>Curve VAN_BUR_6 PI • 174+83.07 DELTA • 7° 27' 24.25" (LT) D • 1' 08' 27" T • 322.56' L • 644.22' R • 4950.00' PC • 171+60.50 PT • 178+0472</p>
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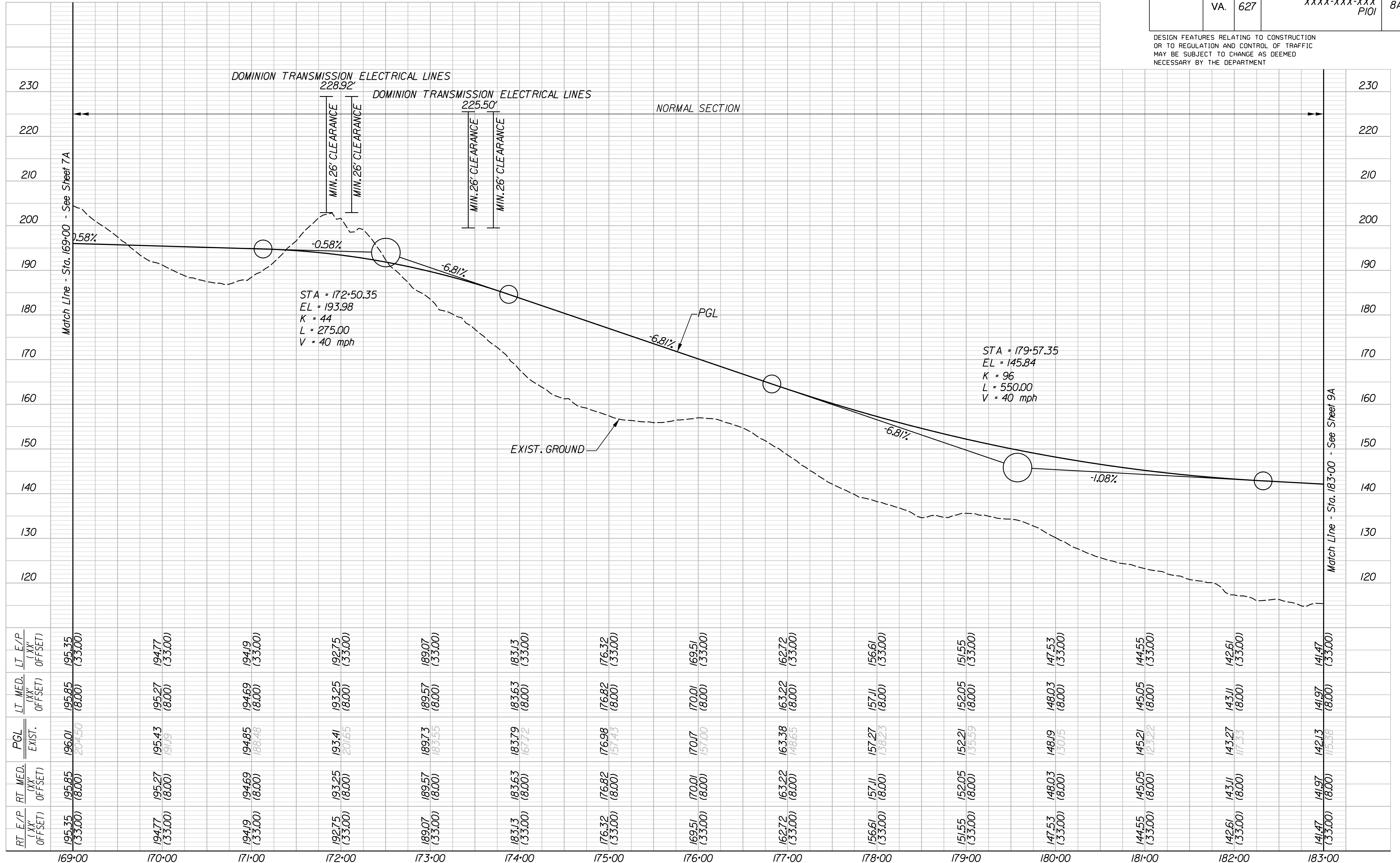
<p>Curve VAN_BUR_7 PI • 181+06.35 DELTA • 11° 28' 58.39" (RT) D • 1' 54' 35" T • 301.63' L • 601.24' R • 3000.00' PC • 178+0472 PT • 184+05.96</p>	<p>SCALE 0 50' 100'</p>
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PROJECT	XXXX-XXX-XXX
SHEET NO.	8

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	627	XXXX-XXX-XXX PIQI	8A

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



RT. E/P (XX' OFFSET)	RT. MED. (XX' OFFSET)	PGL EXIST.	LT. MED. (XX' OFFSET)	LT. E/P (XX' OFFSET)
195.35 (33.00)	195.85 (8.00)	196.01 (204.50)	195.85 (8.00)	195.35 (33.00)
194.77 (33.00)	195.27 (8.00)	195.43 (191.19)	195.27 (8.00)	194.77 (33.00)
194.19 (33.00)	194.69 (8.00)	194.85 (188.48)	194.69 (8.00)	194.19 (33.00)
192.75 (33.00)	193.25 (8.00)	193.41 (201.65)	193.25 (8.00)	192.75 (33.00)
189.07 (33.00)	189.57 (8.00)	189.73 (183.55)	189.57 (8.00)	189.07 (33.00)
183.13 (33.00)	183.63 (8.00)	183.79 (167.12)	183.63 (8.00)	183.13 (33.00)
176.32 (33.00)	176.82 (8.00)	176.98 (157.43)	176.82 (8.00)	176.32 (33.00)
169.51 (33.00)	170.01 (8.00)	170.17 (157.00)	170.01 (8.00)	169.51 (33.00)
162.72 (33.00)	163.22 (8.00)	163.38 (148.65)	163.22 (8.00)	162.72 (33.00)
156.61 (33.00)	157.11 (8.00)	157.27 (138.23)	157.11 (8.00)	156.61 (33.00)
151.55 (33.00)	152.05 (8.00)	152.21 (135.59)	152.05 (8.00)	151.55 (33.00)
147.53 (33.00)	148.03 (8.00)	148.19 (130.15)	148.03 (8.00)	147.53 (33.00)
144.55 (33.00)	145.05 (8.00)	145.21 (123.22)	145.05 (8.00)	144.55 (33.00)
142.61 (33.00)	143.11 (8.00)	143.27 (117.33)	143.11 (8.00)	142.61 (33.00)
141.47 (33.00)	141.97 (8.00)	142.13 (115.38)	141.97 (8.00)	141.47 (33.00)

VAN BUREN ROAD

HORIZ. 0 50' 100'	PROJECT XXXX-XXX-XXX	SHEET NO. 8A
VERT. 0 10' 20'		

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

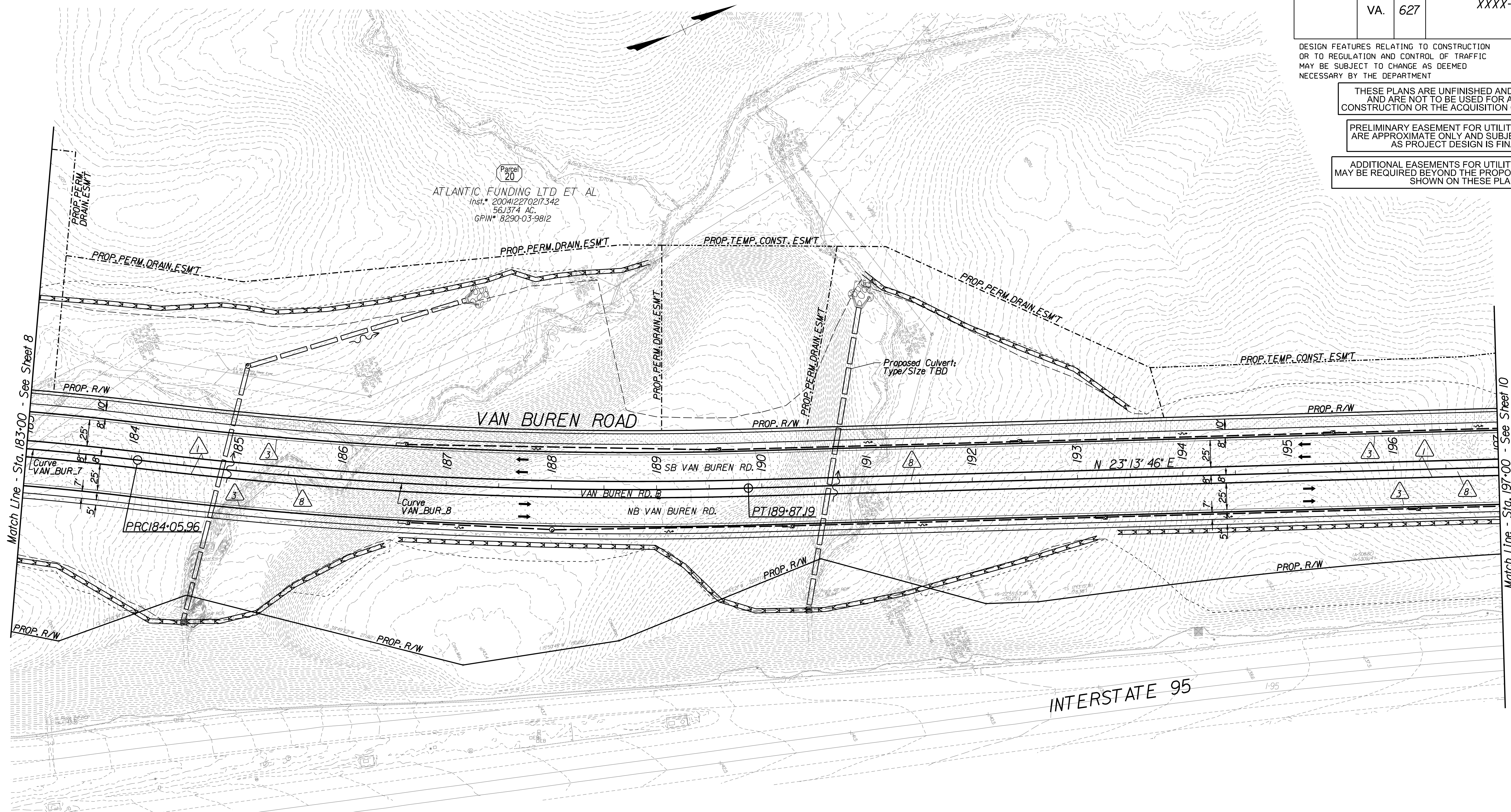
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX P/OI	9

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

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



- Key Legend**
- 1 6" Curb, S'd, CG-2 Req'd.
 - 2 4" Curb, S'd, CG-3 Req'd.
 - 3 6" Curb and Gutter, S'd, CG-6 Req'd.
 - 4 4" Curb and Gutter, S'd, CG-7 Req'd.
 - 5 Conc. Raised Median, S'd, MS-1 with 4" Curb Req'd.
 - 6 Not Used
 - 7 Conc. Raised Median, S'd, MS-1A (6" Curb)
 - 8 Grass Raised Median, S'd, MS-2 (6" Curb)
 - 9 Entrance Gutter, S'd, CG-9D Req'd.
 - 10 Entrance, S'd, CG-11 Req'd.
 - 11 Curb Ramp, S'd, CG-12 Req'd.
 - 12 Underdrain Endwall, S'd, EW-12 Req'd.
 - 13 Shoulder Break Over Line
 - 14 Groundwater Underdrain, S'd, UD-1 Req'd.
 - 15 Curb-Cut Opening, Drainage Flume
 - 16 Pavement Underdrain, S'd, UD-4 Req'd.
 - 17 Pavement Underdrain, Mod. 6" UD-4 Req'd.
 - 18 Crossdrain, S'd, CD-1 Req'd.
 - 19 Crossdrain, S'd, CD-2 Req'd.
 - 20 Standard Fence, S'd, FE-CL Req'd.
 - 21 Grass Raised Median, S'd, MS-2 (4" Curb)
 - 22 Chain Link Fence, S'd, FE-CL Req'd.
 - 23 Guardrail, S'd, GR-MGSI Req'd.
 - 24 Guardrail, S'd, GR-MGSA Req'd.
 - 25 Guardrail Tangent End Terminal, S'd, GR-MGS2 Req'd.
 - 26 Guardrail Trailing End, Acharge, S'd, GR-MGS3 Req'd.
 - 27 Guardrail, S'd, GR-10, Type I Req'd.
 - 28 Guardrail, S'd, GR-10, Type II Req'd.
 - 29 Guardrail, S'd, GR-10, Type III Req'd.
 - 30 Fixed Object Att., S'd, GR-FOA-2 Ty. I Req'd.
 - 31 Fixed Object Att., S'd, GR-FOA-2 Ty. 2 Req'd.
 - 32 Guardrail Transition, S'd, GR-MGS4 Req'd.
 - 33 End CG-9D Entrance Type
 - 34 Handrail, S'd, HR-1 Type III Req'd.
 - 35 Remove Exlst. Guardrail
 - 36 Remove Exlst. Fence
 - 37 Remove Exlst. Structure
 - 38 Remove Or Abandon and Fill Exlst. Pipe
 - 39 Remove Exlst. Pole
 - 40 Adjust Exlst. Structure
 - 41 Clean Out Exlst. Structure
 - 42 Full Depth Sawcut
 - 43 Clean Out Exlst. Pipe
 - 44 10' Gutter Run Out
 - 45 Median Barrier, S'd, MB-8A Req'd.
 - 46 Pavement Demarcation Line

- Denotes Full Depth Pavement
- Denotes Concrete
- Denotes SUP/Driveway /Private Entrance Pavement
- Denotes Pavement Demolition
- Denotes Milling and Overlay / Variable Depth Overlay
- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills

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

Construction Alignment	IG(3)-IG(4)
Typical Sections	2A
Profile	9A

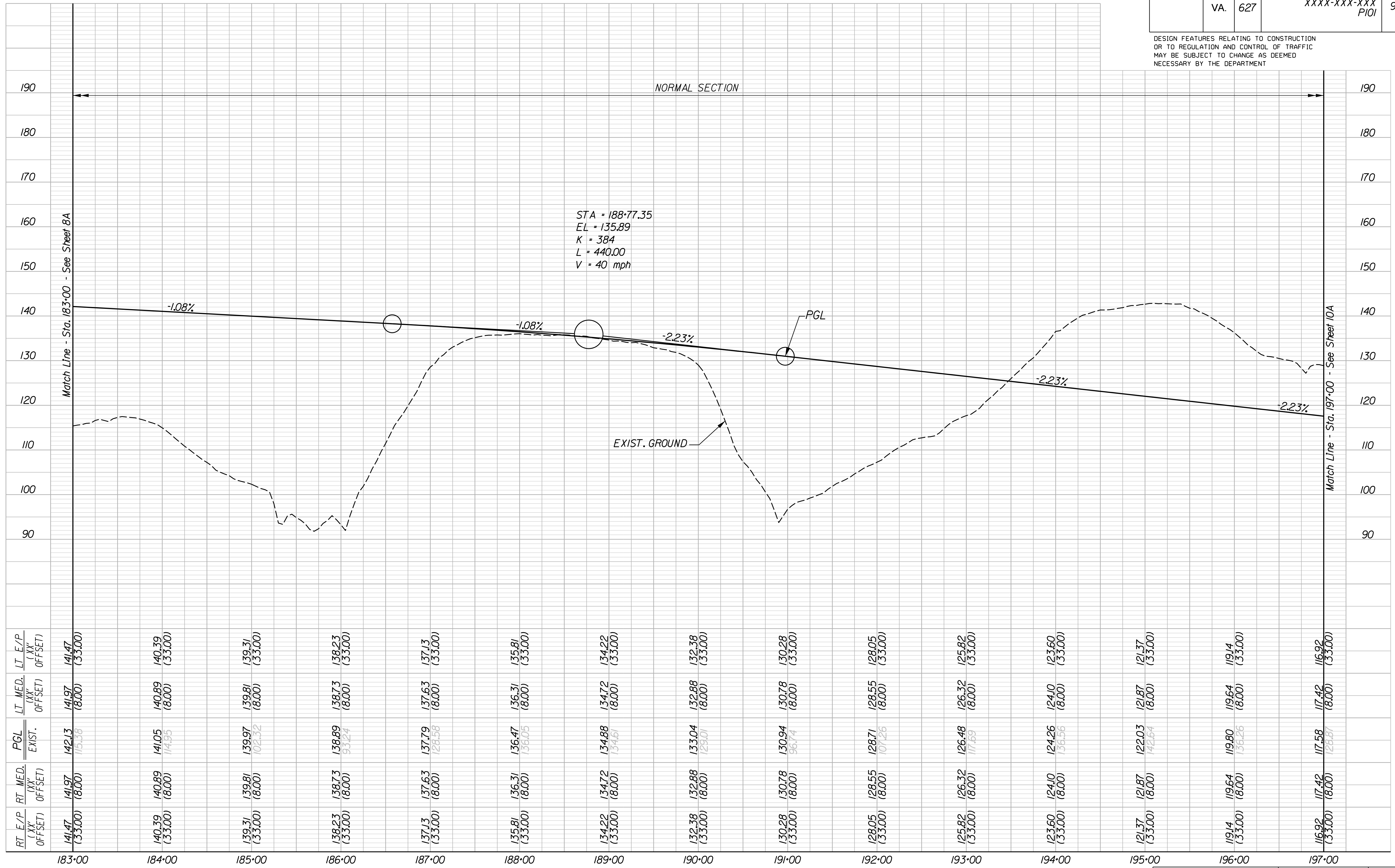
Curve VAN_BUR_7 PI - 181+06.35 DELTA - 17° 28' 58.39" (RT) D - 154' 35" T - 3016.3' L - 601.24' R - 3,000.00' PC - 178+04.72 PT - 184+05.96	Curve VAN_BUR_8 PI - 186+97.10 DELTA - 8° 25' 50.83" (LT) D - 1' 27' 02" T - 291.14' L - 581.22' R - 3,950.00' PC - 184+05.96 PT - 189+87.19
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SCALE 0 50' 100'	PROJECT XXXX-XXX-XXX	SHEET NO. 9
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PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	627	XXXX-XXX-XXX PIQI	9A

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

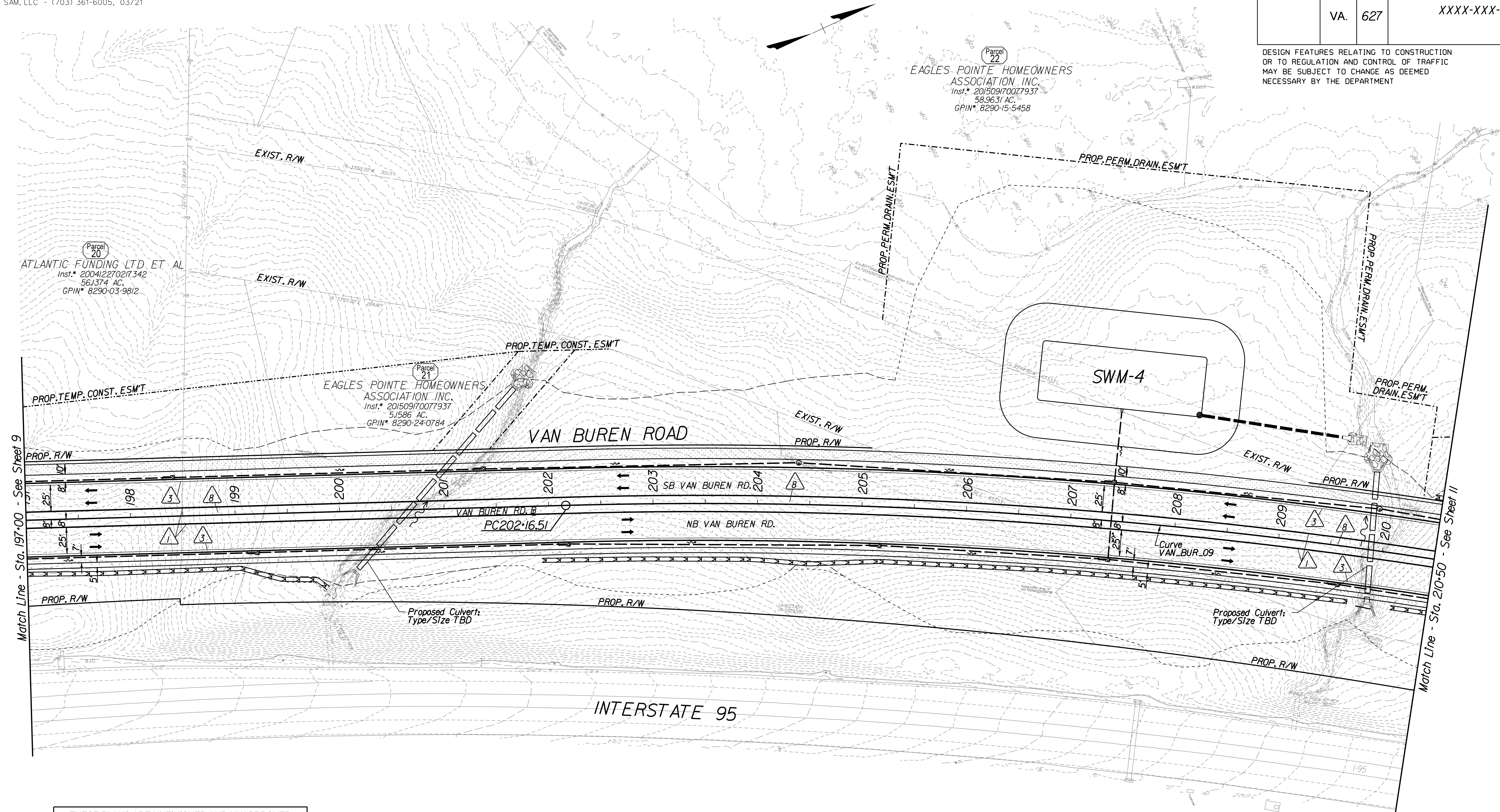


RT. E/P (XX' OFFSET)	RT. MED. (XX' OFFSET)	PGL EXIST.	LT. MED. (XX' OFFSET)	LT. E/P (XX' OFFSET)
141.47 (33.00)	141.97 (8.00)	142.13 (15.38)	141.97 (8.00)	141.47 (33.00)
140.39 (33.00)	140.89 (8.00)	141.05 (14.95)	140.89 (8.00)	140.39 (33.00)
139.31 (33.00)	139.81 (8.00)	139.97 (102.32)	139.81 (8.00)	139.31 (33.00)
138.23 (33.00)	138.73 (8.00)	138.89 (93.24)	138.73 (8.00)	138.23 (33.00)
137.13 (33.00)	137.63 (8.00)	137.79 (28.58)	137.63 (8.00)	137.13 (33.00)
135.81 (33.00)	136.31 (8.00)	136.47 (36.05)	136.31 (8.00)	135.81 (33.00)
134.22 (33.00)	134.72 (8.00)	134.88 (34.61)	134.72 (8.00)	134.22 (33.00)
132.38 (33.00)	132.88 (8.00)	133.04 (29.01)	132.88 (8.00)	132.38 (33.00)
130.28 (33.00)	130.78 (8.00)	130.94 (96.74)	130.78 (8.00)	130.28 (33.00)
128.05 (33.00)	128.55 (8.00)	128.71 (107.26)	128.55 (8.00)	128.05 (33.00)
125.82 (33.00)	126.32 (8.00)	126.48 (117.69)	126.32 (8.00)	125.82 (33.00)
123.60 (33.00)	124.10 (8.00)	124.26 (36.56)	124.10 (8.00)	123.60 (33.00)
121.37 (33.00)	121.87 (8.00)	122.03 (42.64)	121.87 (8.00)	121.37 (33.00)
119.14 (33.00)	119.64 (8.00)	119.80 (36.26)	119.64 (8.00)	119.14 (33.00)
116.92 (33.00)	117.42 (8.00)	117.58 (28.37)	117.42 (8.00)	116.92 (33.00)

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	627	XXXX-XXX-XXX PI/OI	10

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



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

PRELIMINARY EASEMENT FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

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

Key Legend *XX*

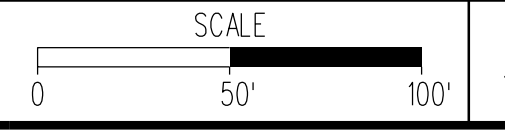
- | | | | |
|--|---|---|---|
| 1 6" Curb, S'd, CG-2 Req'd. | 11 Curb Ramp, S'd, CG-12 Req'd. | 23 Guardrail, S'd, GR-MGSI Req'd. | 35 Remove Exist. Guardrail |
| 2 4" Curb, S'd, CG-3 Req'd. | 12 Underdrain Endwall, S'd, EW-12 Req'd. | 24 Guardrail, S'd, GR-MGSIA Req'd. | 36 Remove Exist. Fence |
| 3 6" Curb and Gutter, S'd, CG-6 Req'd. | 13 Shoulder Break Over Line | 25 Guardrail Tangent End Terminal, S'd, GR-MGS2 Req'd. | 37 Remove Exist. Structure |
| 4 4" Curb and Gutter, S'd, CG-7 Req'd. | 14 Groundwater Underdrain, S'd, UD-1 Req'd. | 26 Guardrail Trailing End, Acharge, S'd, GR-MGS3 Req'd. | 38 Remove Or Abandon and Fill Exist. Pipe |
| 5 Conc. Raised Median, S'd, MS-1 with 4" Curb Req'd. | 15 Curb-Cul Opening, Drainage Flume | 27 Guardrail, S'd, GR-10, Type I Req'd. | 39 Remove Exist. Pole |
| 6 Not Used | 16 Pavement Underdrain, S'd, UD-4 Req'd. | 28 Guardrail, S'd, GR-10, Type II Req'd. | 40 Adjust Exist. Structure |
| 7 Conc. Raised Median, S'd, MS-1A (6" Curb) | 17 Pavement Underdrain, Mod. 6" UD-4 Req'd. | 29 Guardrail, S'd, GR-10, Type III Req'd. | 41 Clean Out Exist. Structure |
| 8 Grass Raised Median, S'd, MS-2 (6" Curb) | 18 Crossdrain, S'd, CD-1 Req'd. | 30 Fixed Object Att., S'd, GR-FOA-2 Ty.1 Req'd. | 42 Full Depth Sawcut |
| 9 Entrance Gutter, S'd, CG-9D Req'd. | 19 Crossdrain, S'd, CD-2 Req'd. | 31 Fixed Object Att., S'd, GR-FOA-2 Ty.2 Req'd. | 43 Clean Out Exist. Pipe |
| 10 Entrance, S'd, CG-11 Req'd. | 20 Standard Fence, S'd, FE-CL Req'd. | 32 Guardrail Transition, S'd, GR-MGS4 Req'd. | 44 10' Gutter Run Out |
| | 21 Grass Raised Median, S'd, MS-2 (4" Curb) | 33 End CG-9D Entrance Type | 45 Median Barrier, S'd, MB-8A Req'd. |
| | 22 Chain Link Fence, S'd, FE-CL Req'd. | 34 Handrail, S'd, HR-1 Type III Req'd. | 46 Pavement Demarcation Line |

- | | | | |
|--|--|--|--------------------------------------|
| | Denotes Full Depth Pavement | | Denotes Concrete |
| | Denotes SUP/Driveway /Private Entrance Pavement | | Denotes Pavement Demolition |
| | Denotes Milling and Overlay / Variable Depth Overlay | | Denotes Construction Limits in Cuts |
| | | | Denotes Construction Limits in Fills |

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

Construction Alignment	1G(4)
Typical Sections	2A
Profile	10A

Curve VAN_BUR_9
 PI • 209+57.95
 DELTA • 18° 07' 08.54" (RT)
 D • 113' 56"
 T • 741.44'
 L • 1,470.50'
 R • 4,650.00'
 PC • 202+16.51
 PT • 216+87.01

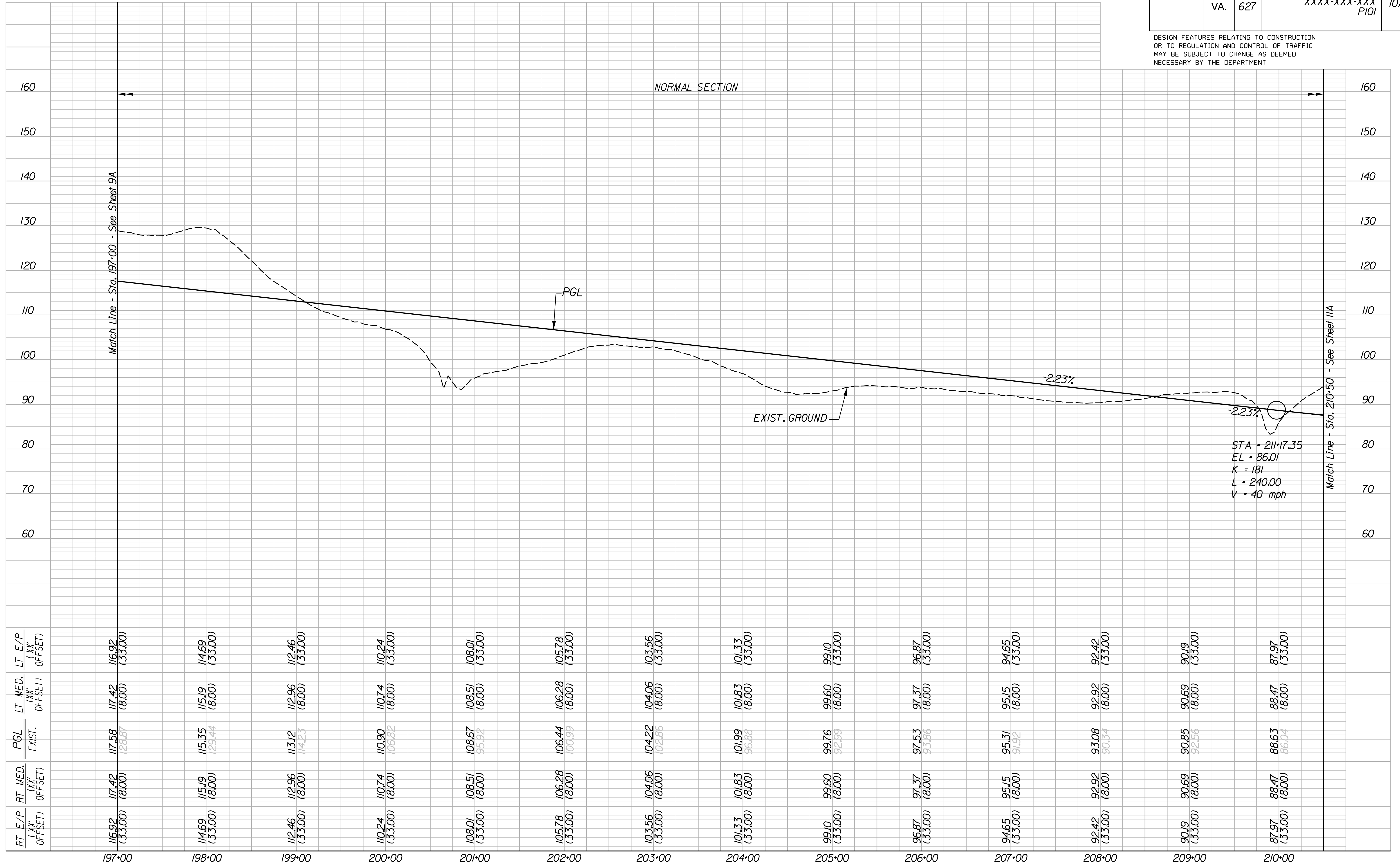


PROJECT	SHEET NO.
XXXX-XXX-XXX	10

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX P101	

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



RT. E/P (XX' OFFSET)	RT. MED. (XX' OFFSET)	PGL EXIST.	LT. MED. (XX' OFFSET)	LT. E/P (XX' OFFSET)
116.92 (33.00)	117.42 (8.00)	117.58 126.67	117.42 (8.00)	116.92 (33.00)
114.69 (33.00)	115.19 (8.00)	115.35 129.44	115.19 (8.00)	114.69 (33.00)
112.46 (33.00)	112.96 (8.00)	113.12 14.23	112.96 (8.00)	112.46 (33.00)
110.24 (33.00)	110.74 (8.00)	110.90 106.62	110.74 (8.00)	110.24 (33.00)
108.01 (33.00)	108.51 (8.00)	108.67 95.92	108.51 (8.00)	108.01 (33.00)
105.78 (33.00)	106.28 (8.00)	106.44 100.99	106.28 (8.00)	105.78 (33.00)
103.56 (33.00)	104.06 (8.00)	104.22 102.66	104.06 (8.00)	103.56 (33.00)
101.33 (33.00)	101.83 (8.00)	101.99 96.66	101.83 (8.00)	101.33 (33.00)
99.10 (33.00)	99.60 (8.00)	99.76 92.99	99.60 (8.00)	99.10 (33.00)
96.87 (33.00)	97.37 (8.00)	97.53 93.66	97.37 (8.00)	96.87 (33.00)
94.65 (33.00)	95.15 (8.00)	95.31 91.92	95.15 (8.00)	94.65 (33.00)
92.42 (33.00)	92.92 (8.00)	93.08 90.34	92.92 (8.00)	92.42 (33.00)
90.19 (33.00)	90.69 (8.00)	90.85 92.56	90.69 (8.00)	90.19 (33.00)
87.97 (33.00)	88.47 (8.00)	88.63 86.04	88.47 (8.00)	87.97 (33.00)

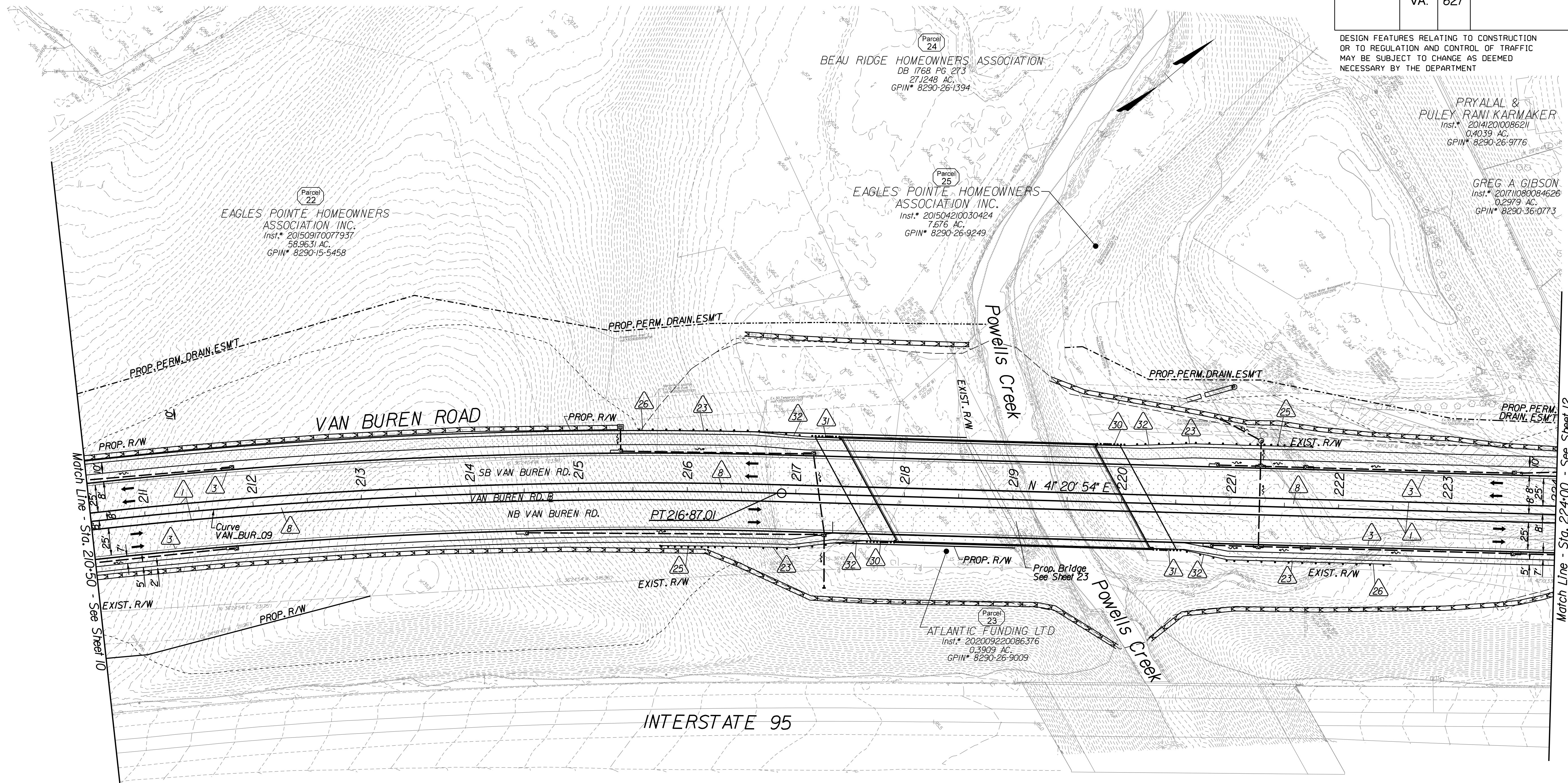
VAN BUREN ROAD

HORIZ 0 50' 100'	PROJECT XXXX-XXX-XXX	SHEET NO. 10A
VERT. 0 10' 20'		

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	627	XXXX-XXX-XXX PIOI	11

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



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

PRELIMINARY EASEMENT FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

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

Key Legend Δ

- | | | | |
|--|---|---|---|
| 1 6" Curb, S'd, CG-2 Req'd. | 11 Curb Ramp, S'd, CG-12 Req'd. | 23 Guardrail, S'd, GR-MGSI Req'd. | 35 Remove Exist. Guardrail |
| 2 4" Curb, S'd, CG-3 Req'd. | 12 Underdrain Endwall, S'd, EW-12 Req'd. | 24 Guardrail, S'd, GR-MGSIA Req'd. | 36 Remove Exist. Fence |
| 3 6" Curb and Gutter, S'd, CG-6 Req'd. | 13 Shoulder Break Over Line | 25 Guardrail Tangent End Terminal, S'd, GR-MGS2 Req'd. | 37 Remove Exist. Structure |
| 4 4" Curb and Gutter, S'd, CG-7 Req'd. | 14 Groundwater Underdrain, S'd, UD-1 Req'd. | 26 Guardrail Trailing End, Acharge, S'd, GR-MGS3 Req'd. | 38 Remove Or Abandon and Fill Exist. Pipe |
| 5 Conc. Raised Median, S'd, MS-1 with 4" Curb Req'd. | 15 Curb-Cut Opening, Drainage Flume | 27 Guardrail, S'd, GR-10, Type I Req'd. | 39 Remove Exist. Pole |
| 6 Not Used | 16 Pavement Underdrain, S'd, UD-4 Req'd. | 28 Guardrail, S'd, GR-10, Type II Req'd. | 40 Adjust Exist. Structure |
| 7 Conc. Raised Median, S'd, MS-1A (6" Curb) | 17 Pavement Underdrain, Mod. 6" UD-4 Req'd. | 29 Guardrail, S'd, GR-10, Type III Req'd. | 41 Clean Out Exist. Structure |
| 8 Grass Raised Median, S'd, MS-2 (6" Curb) | 18 Crossdrain, S'd, CD-1 Req'd. | 30 Fixed Object Att., S'd, GR-FOA-2 Ty. I Req'd. | 42 Full Depth Sawcut |
| 9 Entrance Gutter, S'd, CG-9D Req'd. | 19 Crossdrain, S'd, CD-2 Req'd. | 31 Fixed Object Att., S'd, GR-FOA-2 Ty. 2 Req'd. | 43 Clean Out Exist. Pipe |
| 10 Entrance, S'd, CG-11 Req'd. | 20 Standard Fence, S'd, FE-CL Req'd. | 32 Guardrail Transition, S'd, GR-MGS4 Req'd. | 44 10' Gutter Run Out |
| | 21 Grass Raised Median, S'd, MS-2 (4" Curb) | 33 End CG-9D Entrance Type | 45 Median Barrier, S'd, MB-8A Req'd. |
| | 22 Chain Link Fence, S'd, FE-CL Req'd. | 34 Handrail, S'd, HR-1 Type III Req'd. | 46 Pavement Demarcation Line |

- | | | | |
|--|--|--|--------------------------------------|
| | Denotes Full Depth Pavement | | Denotes Concrete |
| | Denotes SUP/Driveway /Private Entrance Pavement | | Denotes Construction Limits in Cuts |
| | Denotes Pavement Demolition | | Denotes Construction Limits in Fills |
| | Denotes Milling and Overlay / Variable Depth Overlay | | |

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

Construction Alignment	IG(4)
Typical Sections	2A
Profile	11A
Bridge Plan Sheet	23

Curve VAN_BUR_9
 PI = 209+57.95
 DELTA = 18° 07' 08.54" (RT)
 D = 13' 56"
 T = 741.44'
 L = 1,470.50'
 R = 4,650.00'
 PC = 202+16.51
 PT = 216+87.01



PROJECT	SHEET NO.
XXXX-XXX-XXX	11

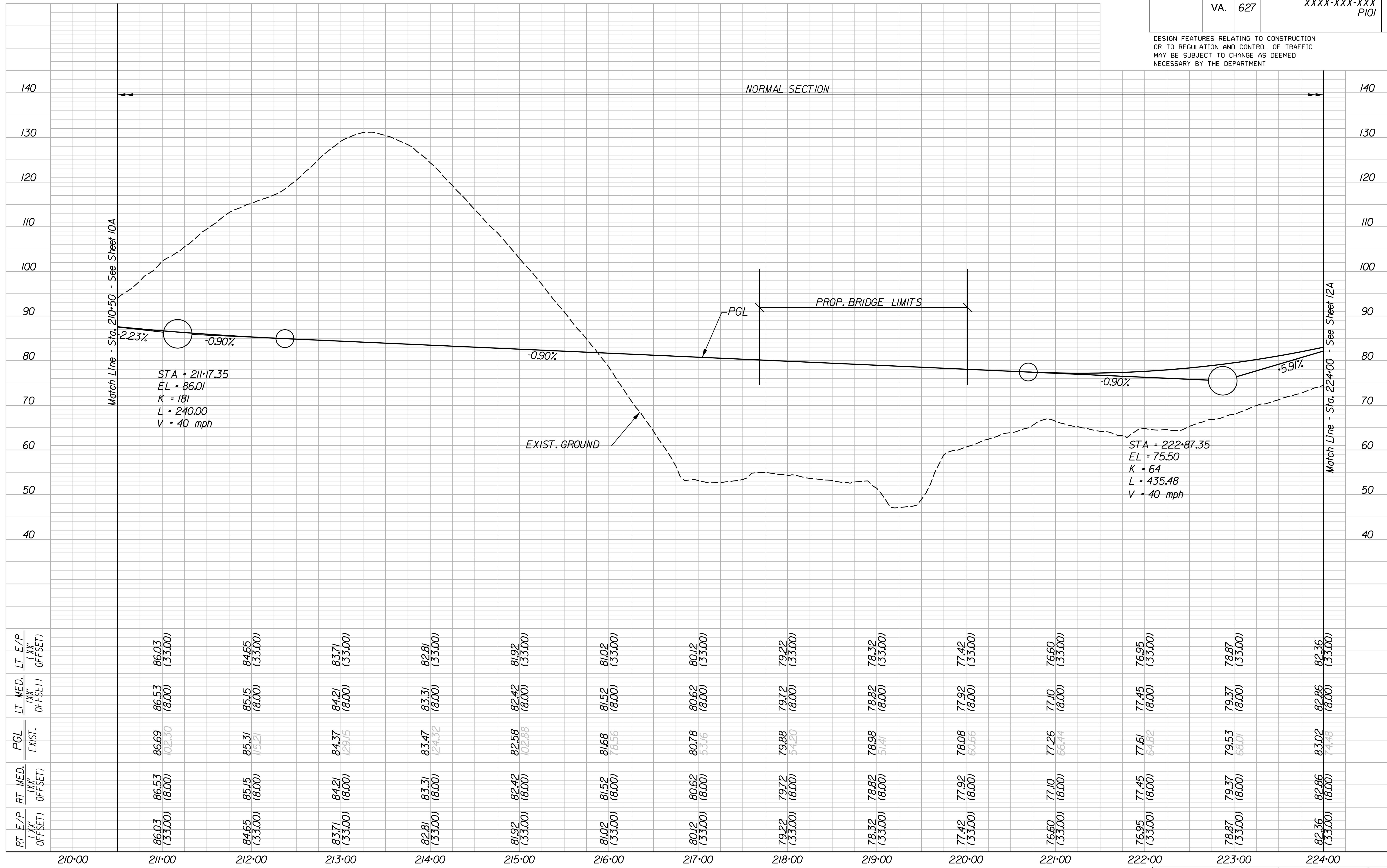
Match Line - Sta. 224+00 - See Sheet 12

Match Line - Sta. 210+50 - See Sheet 10

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX PIQI	11A

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



RT. E/P (XX' OFFSET)	RT. MED. (XX' OFFSET)	PGL EXIST.	LT. MED. (XX' OFFSET)	LT. E/P (XX' OFFSET)
86.03 (33.00)	86.53 (8.00)	86.69 (02.30)	86.53 (8.00)	86.03 (33.00)
84.65 (33.00)	85.15 (8.00)	85.31 (15.21)	85.15 (8.00)	84.65 (33.00)
83.71 (33.00)	84.21 (8.00)	84.37 (29.15)	84.21 (8.00)	83.71 (33.00)
82.81 (33.00)	83.31 (8.00)	83.47 (24.32)	83.31 (8.00)	82.81 (33.00)
81.92 (33.00)	82.42 (8.00)	82.58 (02.88)	82.42 (8.00)	81.92 (33.00)
81.02 (33.00)	81.52 (8.00)	81.68 (8.56)	81.52 (8.00)	81.02 (33.00)
80.12 (33.00)	80.62 (8.00)	80.78 (5.16)	80.62 (8.00)	80.12 (33.00)
79.22 (33.00)	79.72 (8.00)	79.88 (54.20)	79.72 (8.00)	79.22 (33.00)
78.32 (33.00)	78.82 (8.00)	78.98 (51.41)	78.82 (8.00)	78.32 (33.00)
77.42 (33.00)	77.92 (8.00)	78.08 (60.66)	77.92 (8.00)	77.42 (33.00)
76.60 (33.00)	77.10 (8.00)	77.26 (66.44)	77.10 (8.00)	76.60 (33.00)
76.95 (33.00)	77.45 (8.00)	77.61 (64.82)	77.45 (8.00)	76.95 (33.00)
78.87 (33.00)	79.37 (8.00)	79.53 (68.07)	79.37 (8.00)	78.87 (33.00)
82.36 (33.00)	82.86 (8.00)	83.02 (74.48)	82.86 (8.00)	82.36 (33.00)

STA = 211+17.35
 EL = 86.01
 K = 181
 L = 240.00
 V = 40 mph

STA = 222+87.35
 EL = 75.50
 K = 64
 L = 435.48
 V = 40 mph

VAN BUREN ROAD

HORIZ. 0 50' 100'	PROJECT	SHEET NO.
VERT. 0 10' 20'	XXXX-XXX-XXX	11A

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

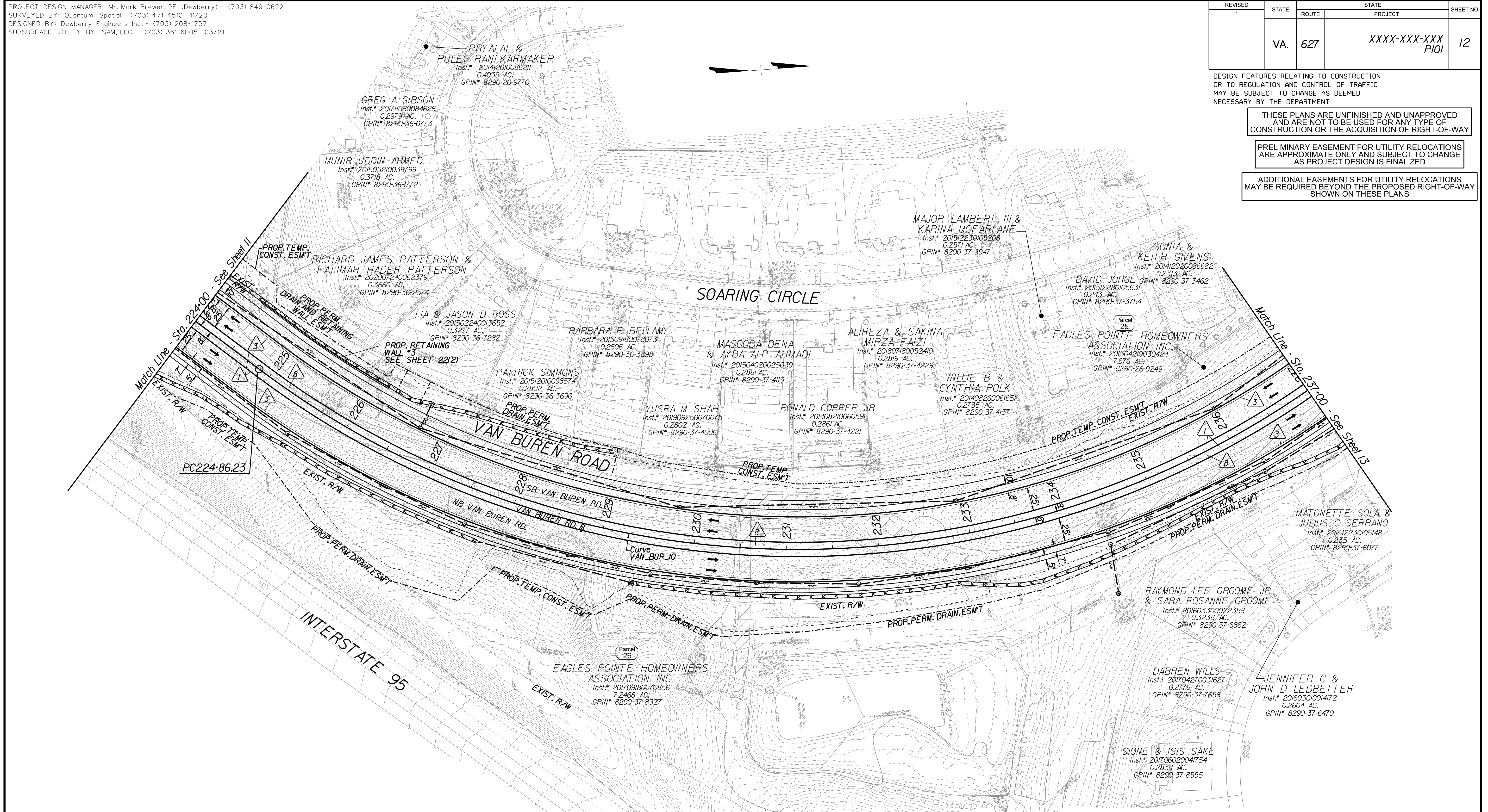
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX PIOI	12

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

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

PRELIMINARY EASEMENT FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

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



Key Legend

- 1 6' Curb, S'd, CG-2 Req'd.
- 2 4' Curb, S'd, CG-3 Req'd.
- 3 6' Curb and Gutter, S'd, CG-6 Req'd.
- 4 4' Curb and Gutter, S'd, CG-7 Req'd.
- 5 Conc. Raised Median, S'd, MS-1 with 4' Curb Req'd.
- 6 Not Used
- 7 Conc. Raised Median, S'd, MS-1A (6' Curb)
- 8 Grass Raised Median, S'd, MS-2 (6' Curb)
- 9 Entrance Gutter, S'd, CG-9D Req'd.
- 10 Entrance, S'd, CG-11 Req'd.
- 11 Curb Ramp, S'd, CG-12 Req'd.
- 12 Underdrain Endwall, S'd, EW-12 Req'd.
- 13 Shoulder Break Over Line
- 14 Groundwater Underdrain, S'd, UD-1 Req'd.
- 15 Curb-Cut Opening, Drainage Flume
- 16 Pavement Underdrain, S'd, UD-4 Req'd.
- 17 Pavement Underdrain, Mod. 6' UD-4 Req'd.
- 18 Crossdrain, S'd, CD-1 Req'd.
- 19 Crossdrain, S'd, CD-2 Req'd.
- 20 Standard Fence, S'd, FE-CL Req'd.
- 21 Grass Raised Median, S'd, MS-2 (4' Curb)
- 22 Chain Link Fence, S'd, FE-CL Req'd.
- 23 Guardrail, S'd, GR-MGS1 Req'd.
- 24 Guardrail, S'd, GR-MGS1A Req'd.
- 25 Guardrail Tangent End Terminal, S'd, GR-MGS2 Req'd.
- 26 Guardrail Trailing End, Achange, S'd, GR-MGS3 Req'd.
- 27 Guardrail, S'd, GR-10, Type I Req'd.
- 28 Guardrail, S'd, GR-10, Type II Req'd.
- 29 Guardrail, S'd, GR-10, Type III Req'd.
- 30 Fixed Object Att., S'd, GR-FOA-2 Ty. I Req'd.
- 31 Fixed Object Att., S'd, GR-FOA-2 Ty. 2 Req'd.
- 32 Guardrail Transition, S'd, GR-MGS4 Req'd.
- 33 End CG-9D Entrance Type
- 34 Handrail, S'd, HR-1 Type III Req'd.
- 35 Remove Exist. Guardrail
- 36 Remove Exist. Fence
- 37 Remove Exist. Structure
- 38 Remove Or Abandon and Fill Exist. Pipe
- 39 Remove Exist. Pole
- 40 Adj. Exist. Structure
- 41 Clean Out Exist. Structure
- 42 Full Depth Sawcut
- 43 Clean Out Exist. Pipe
- 44 10' Gutter Run Out
- 45 Median Barrier, S'd, MB-8A Req'd.
- 46 Pavement Demarcation Line

- Denotes Full Depth Pavement
- Denotes SUP/Driveway/Private Entrance Pavement
- Denotes Pavement Demolition
- Denotes Milling and Overlay/Variable Depth Overlay
- Denotes Concrete
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

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

- Construction Alignment IG(5)
- Typical Sections 2A
- Profile I2A
- Retaining Wall Plans 22(2)

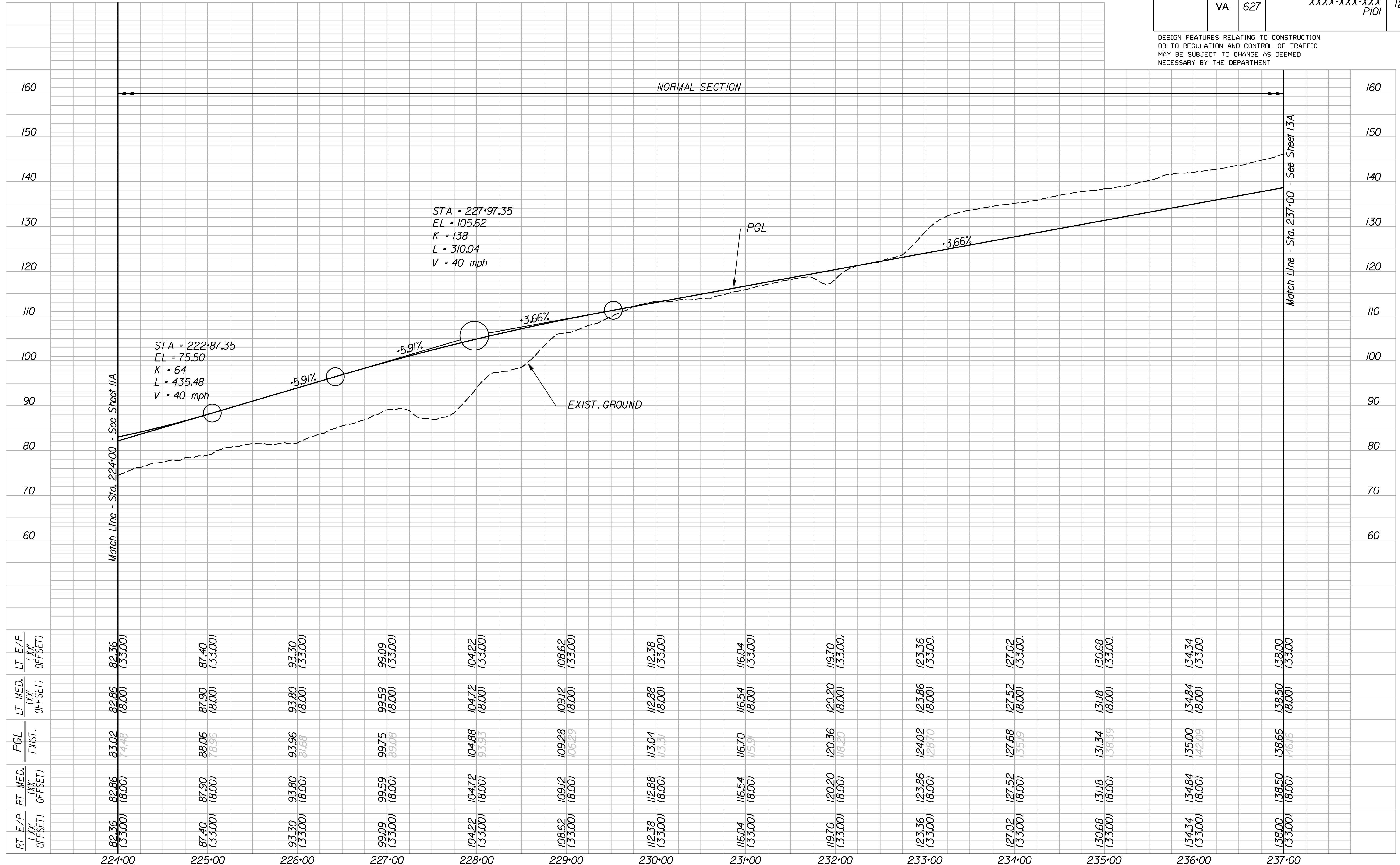
Curve VAN_BUR_10
 PI • 233+40.95
 DELTA • 82° 46' 10.94" (LT)
 D • 5' 54' 24"
 T • 854.71'
 L • 1,401.27'
 R • 970.00'
 PC • 224+86.23
 PT • 238+87.50

SCALE	PROJECT	SHEET NO.
0 50' 100'	XXXX-XXX-XXX	12

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX PIQI	12A

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



RT. E/P (XX' OFFSET)	RT. MED. (XX' OFFSET)	PGL EXIST.	LT. MED. (XX' OFFSET)	LT. E/P (XX' OFFSET)
82.36 (33.00)	82.86 (8.00)	83.02 (74.96)	82.86 (8.00)	82.36 (33.00)
87.40 (33.00)	87.90 (8.00)	88.06 (76.96)	87.90 (8.00)	87.40 (33.00)
93.30 (33.00)	93.80 (8.00)	93.96 (81.66)	93.80 (8.00)	93.30 (33.00)
99.09 (33.00)	99.59 (8.00)	99.75 (89.06)	99.59 (8.00)	99.09 (33.00)
104.22 (33.00)	104.72 (8.00)	104.88 (93.95)	104.72 (8.00)	104.22 (33.00)
108.62 (33.00)	109.12 (8.00)	109.28 (106.29)	109.12 (8.00)	108.62 (33.00)
112.38 (33.00)	112.88 (8.00)	113.04 (115.5)	112.88 (8.00)	112.38 (33.00)
116.04 (33.00)	116.54 (8.00)	116.70 (115.9)	116.54 (8.00)	116.04 (33.00)
119.70 (33.00)	120.20 (8.00)	120.36 (118.20)	120.20 (8.00)	119.70 (33.00)
123.36 (33.00)	123.86 (8.00)	124.02 (128.70)	123.86 (8.00)	123.36 (33.00)
127.02 (33.00)	127.52 (8.00)	127.68 (135.9)	127.52 (8.00)	127.02 (33.00)
130.68 (33.00)	131.18 (8.00)	131.34 (138.39)	131.18 (8.00)	130.68 (33.00)
134.34 (33.00)	134.84 (8.00)	135.00 (142.09)	134.84 (8.00)	134.34 (33.00)
138.00 (33.00)	138.50 (8.00)	138.66 (146.16)	138.50 (8.00)	138.00 (33.00)

VAN BUREN ROAD

HORIZ. 0 50' 100'
 VERT. 0 10' 20'

PROJECT: XXXX-XXX-XXX
 SHEET NO.: 12A

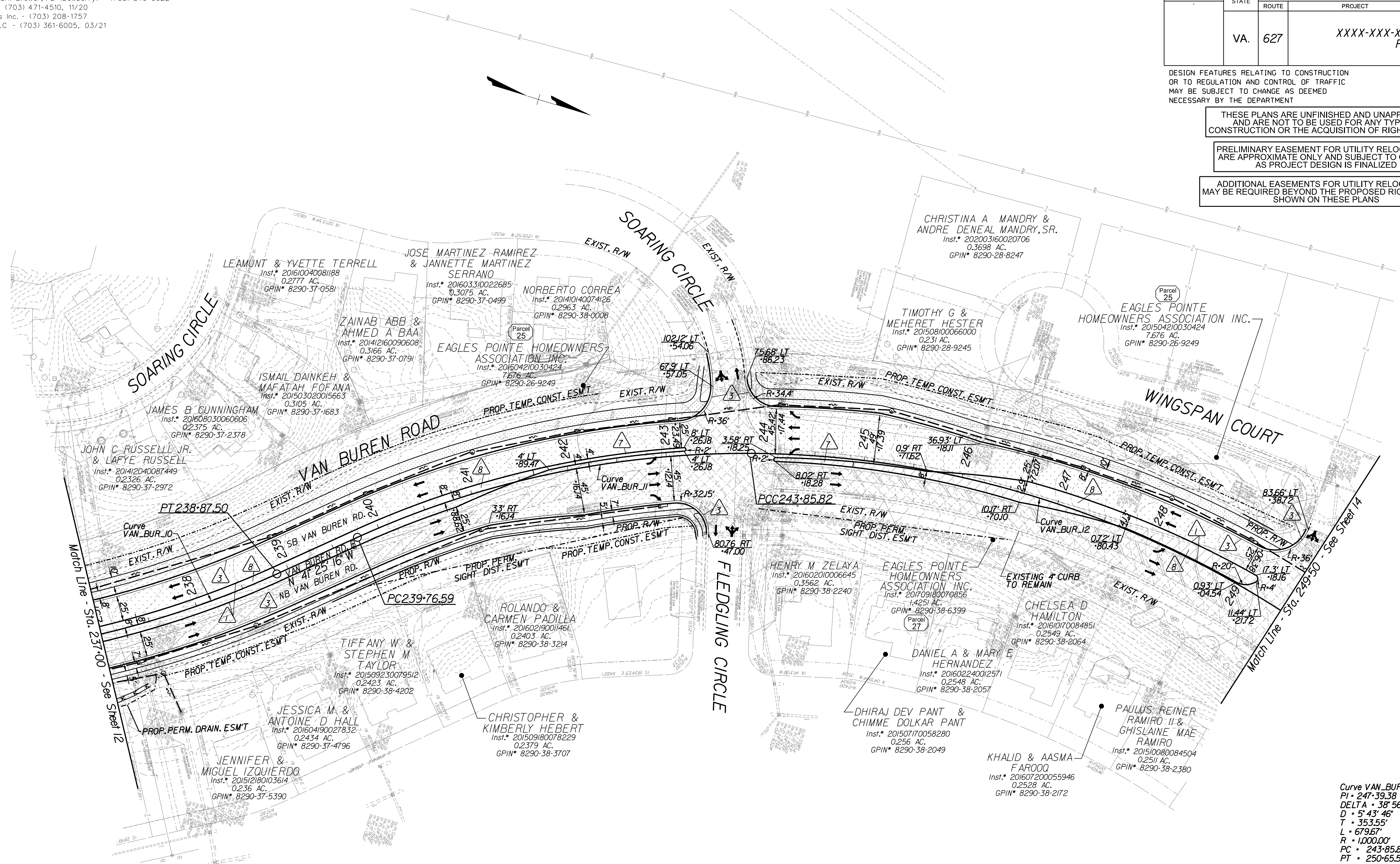
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX PIQI	13

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

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

PRELIMINARY EASEMENT FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

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



Curve VAN_BUR_12
 PI - 247.39.38
 DELTA - 38° 56' 32.79" (RT)
 D - 5' 43' 46"
 T - 353.55'
 L - 679.67'
 R - 1,000.00'
 PC - 243-85.82
 PT - 250-65.50

Curve VAN_BUR_10
 PI - 233-40.95
 DELTA - 82° 46' 10.94" (LT)
 D - 5' 54' 24"
 T - 854.71'
 L - 1,401.27'
 R - 970.00'
 PC - 224-86.23
 PT - 238-87.50

Curve VAN_BUR_11
 PI - 241-84.46
 DELTA - 24° 47' 08.64" (RT)
 D - 6' 03' 24"
 T - 207.87'
 L - 409.23'
 R - 946.00'
 PC - 239-76.59
 PT - 243-85.82

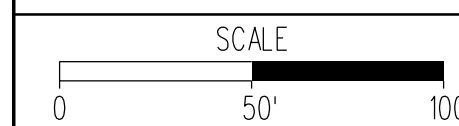
REFERENCES
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Construction Alignment Profile	IG(5)-IG(6)
Typical Sections	2A
Profile	13A

Key Legend

- | | | | |
|--|---|--|---|
| 1 6" Curb, S'd, CG-2 Req'd. | 11 Curb Ramp, S'd, CG-12 Req'd. | 23 Guardrail, S'd, GR-MGS1 Req'd. | 35 Remove Exist. Guardrail |
| 2 4" Curb, S'd, CG-3 Req'd. | 12 Underdrain Endwall, S'd, EW-12 Req'd. | 24 Guardrail, S'd, GR-MGSIA Req'd. | 36 Remove Exist. Fence |
| 3 6" Curb and Gutter, S'd, CG-6 Req'd. | 13 Shoulder Break Over Line | 25 Guardrail Tangent End Terminal, S'd, GR-MGS2 Req'd. | 37 Remove Exist. Structure |
| 4 4" Curb and Gutter, S'd, CG-7 Req'd. | 14 Groundwater Underdrain, S'd, UD-1 Req'd. | 26 Guardrail Trailing End, S'd, GR-MGS3 Req'd. | 38 Remove Or Abandon and Fill Exist. Pipe |
| 5 Conc. Raised Median, S'd, MS-1 with 4" Curb Req'd. | 15 Curb-Cut Opening, Drainage Flume | 27 Guardrail, S'd, GR-10, Type II Req'd. | 39 Remove Exist. Pole |
| 6 Not Used | 16 Pavement Underdrain, S'd, UD-4 Req'd. | 28 Guardrail, S'd, GR-10, Type III Req'd. | 40 Adjust Exist. Structure |
| 7 Conc. Raised Median, S'd, MS-1A (6" Curb) | 17 Pavement Underdrain, Mod. 6" UD-4 Req'd. | 29 Fixed Object Att., S'd, GR-FOA-2 Ty.1 Req'd. | 41 Clean Out Exist. Structure |
| 8 Grass Raised Median, S'd, MS-2 (6" Curb) | 18 Crossdrain, S'd, CD-1 Req'd. | 30 Fixed Object Att., S'd, GR-FOA-2 Ty.2 Req'd. | 42 Full Depth Sawcut |
| 9 Entrance Gutter, S'd, CG-9D Req'd. | 19 Standard Fence, S'd, FE-CL Req'd. | 31 Fixed Object Att., S'd, GR-FOA-4 Req'd. | 43 Clean Out Exist. Pipe |
| 10 Entrance, S'd, CG-11 Req'd. | 20 Grass Raised Median, S'd, MS-2 (4" Curb) | 32 Guardrail Transition, S'd, GR-MGS4 Req'd. | 44 10' Gutter Run Out |
| | 21 Chain Link Fence, S'd, FE-CL Req'd. | 33 End CG-9D Entrance Type Handrail, S'd, HR-1 Type III Req'd. | 45 Median Barrier, S'd, MB-8A Req'd. |
| | | 34 | 46 Pavement Demarcation Line |

- | | | | |
|--|--|--|--------------------------------------|
| | Denotes Full Depth Pavement | | Denotes Concrete |
| | Denotes SUP/Driveway/Private Entrance Pavement | | Denotes Construction Limits in Cuts |
| | Denotes Pavement Demolition | | Denotes Construction Limits in Fills |
| | Denotes Milling and Overlay/Variable Depth Overlay | | |

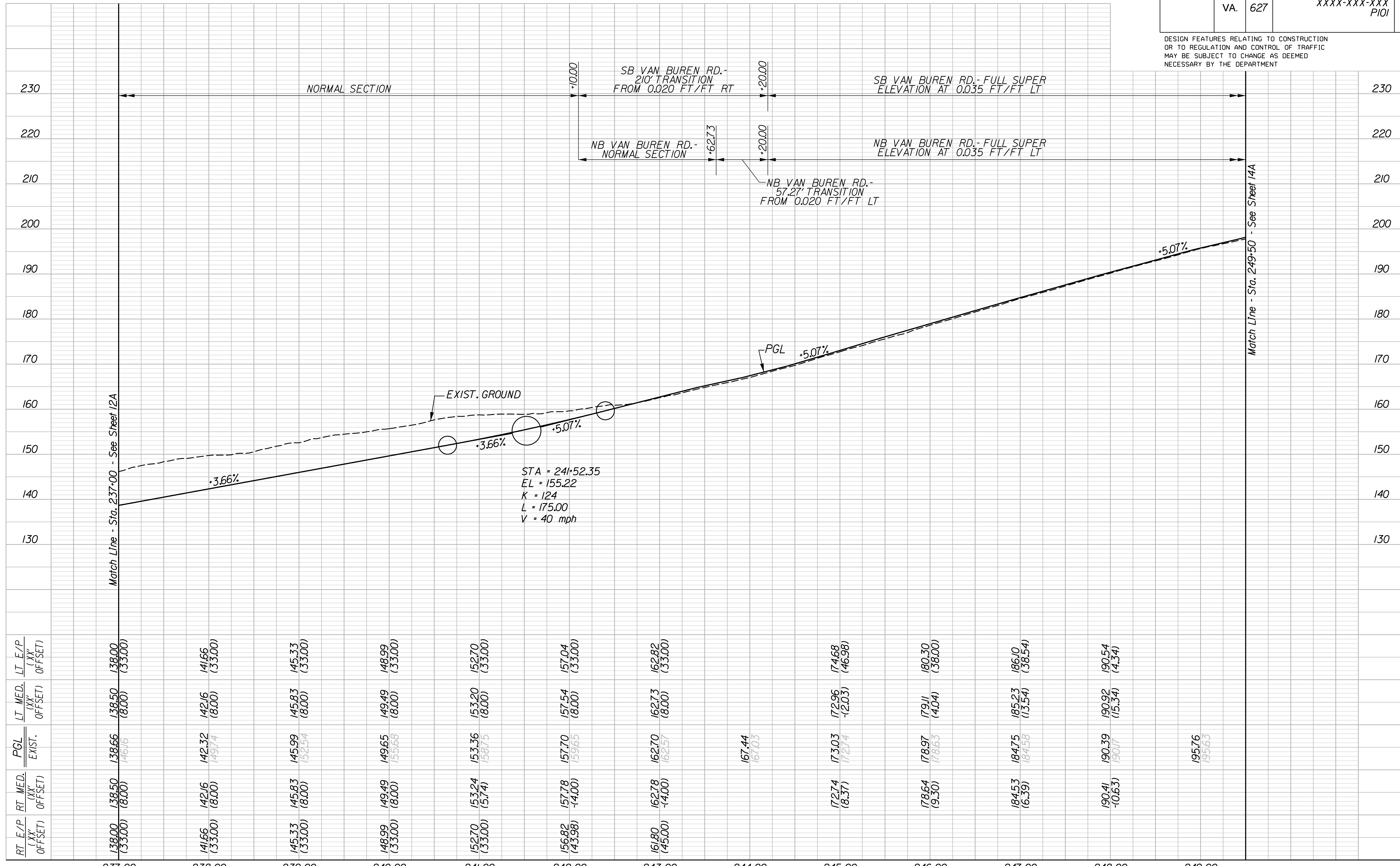


PROJECT	XXXX-XXX-XXX
SHEET NO.	13

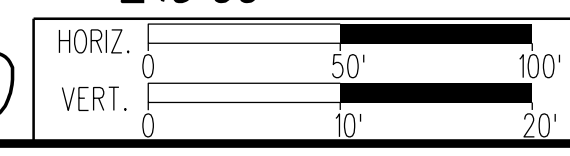
PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	627	XXXX-XXX-XXX PIQI	13A

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



RT E/P (XX' OFFSET)	RT MED. (XX' OFFSET)	PGL EXIST.	LT MED. (XX' OFFSET)	LT E/P (XX' OFFSET)
138.00 (33.00)	138.50 (8.00)	138.66 (46.16)	138.50 (8.00)	138.00 (33.00)
141.66 (33.00)	142.16 (8.00)	142.32 (49.14)	142.16 (8.00)	141.66 (33.00)
145.33 (33.00)	145.83 (8.00)	145.99 (52.14)	145.83 (8.00)	145.33 (33.00)
148.99 (33.00)	149.49 (8.00)	149.65 (55.68)	149.49 (8.00)	148.99 (33.00)
152.70 (33.00)	153.24 (5.74)	153.36 (58.15)	153.20 (8.00)	152.70 (33.00)
156.82 (43.98)	157.78 (-4.00)	157.70 (59.65)	157.54 (8.00)	157.04 (33.00)
161.80 (45.00)	162.78 (-4.00)	162.70 (62.57)	162.73 (8.00)	162.82 (33.00)
		167.44 (67.03)		
	172.74 (8.37)	173.03 (72.74)	172.96 (-2.03)	174.68 (46.98)
	178.64 (9.30)	178.97 (78.63)	179.11 (4.04)	180.30 (38.00)
	184.53 (6.39)	184.75 (84.58)	185.23 (3.54)	186.10 (38.54)
	190.41 (-10.63)	190.39 (90.17)	190.92 (5.34)	190.54 (4.34)
		195.76 (95.63)		



PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

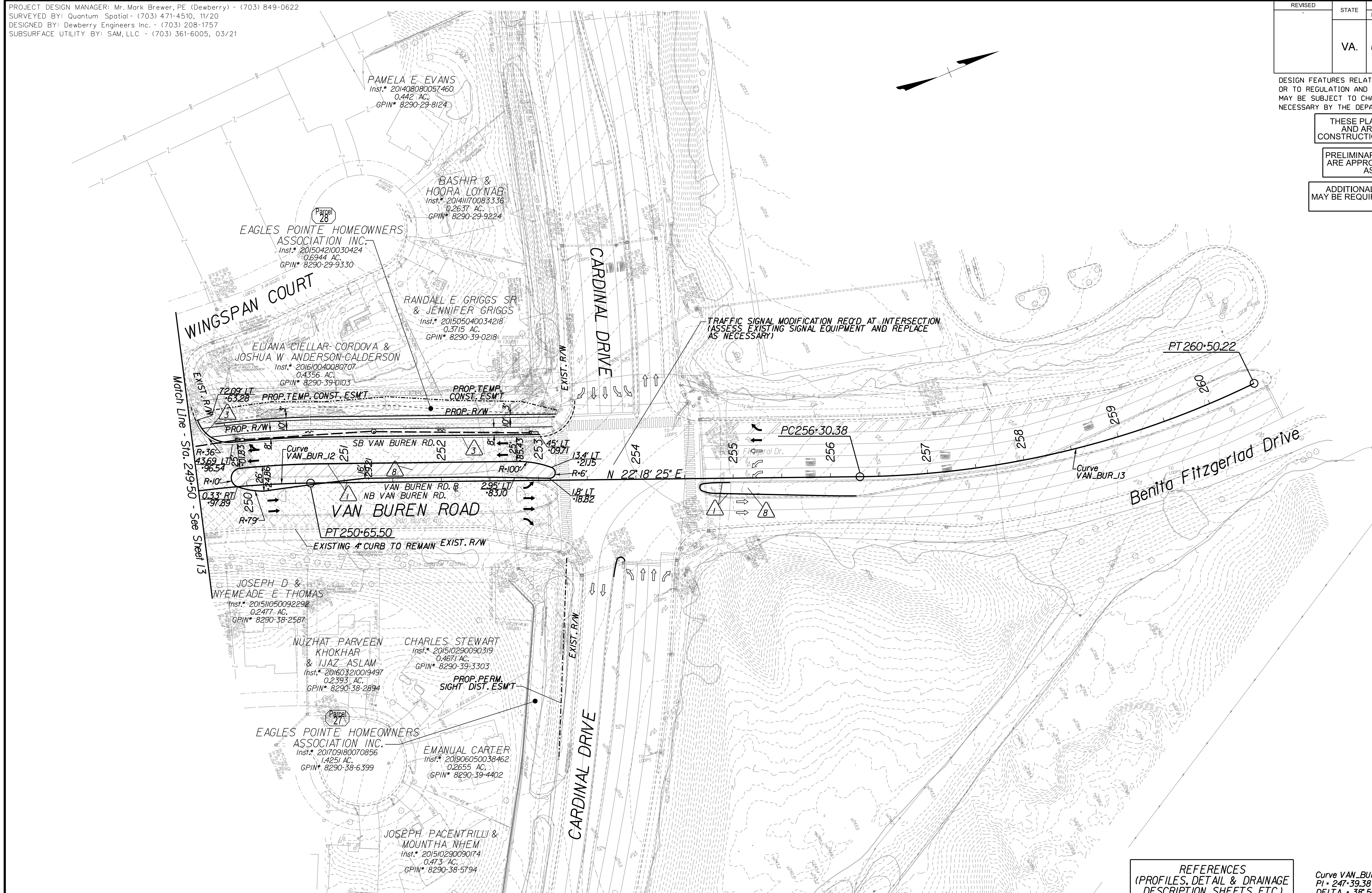
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX PIOI	14

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

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

PRELIMINARY EASEMENT FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

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



Key Legend

- 1 6" Curb, S'd, CG-2 Req'd.
- 2 4" Curb, S'd, CG-3 Req'd.
- 3 6" Curb and Gutter, S'd, CG-6 Req'd.
- 4 4" Curb and Gutter, S'd, CG-7 Req'd.
- 5 Conc. Raised Median, S'd, MS-1 with 4" Curb Req'd.
- 6 Not Used
- 7 Conc. Raised Median, S'd, MS-1A (6" Curb)
- 8 Grass Raised Median, S'd, MS-2 (6" Curb)
- 9 Entrance Gutter, S'd, CG-9D Req'd.
- 10 Entrance, S'd, CG-11 Req'd.
- 11 Curb Ramp, S'd, CG-12 Req'd.
- 12 Underdrain Endwall, S'd, EW-12 Req'd.
- 13 Shoulder Break Over Line
- 14 Groundwater Underdrain, S'd, UD-1 Req'd.
- 15 Curb-Cul Opening, Drainage Flume
- 16 Pavement Underdrain, S'd, UD-4 Req'd.
- 17 Pavement Underdrain, Mod. 6" UD-4 Req'd.
- 18 Crossdrain, S'd, CD-1 Req'd.
- 19 Crossdrain, S'd, CD-2 Req'd.
- 20 Standard Fence, S'd, FE-CL Req'd.
- 21 Grass Raised Median, S'd, MS-2 (4" Curb)
- 22 Chain Link Fence, S'd, FE-CL Req'd.
- 23 Guardrail, S'd, GR-MGS1 Req'd.
- 24 Guardrail, S'd, GR-MGS1A Req'd.
- 25 Guardrail Tangent End Terminal, S'd, GR-MGS2 Req'd.
- 26 Guardrail Trailing End, Achorage, S'd, GR-MGS3 Req'd.
- 27 Guardrail, S'd, GR-10, Type II Req'd.
- 28 Guardrail, S'd, GR-10, Type III Req'd.
- 29 Fixed Object Att., S'd, GR-FOA-2 Ty.1 Req'd.
- 30 Fixed Object Att., S'd, GR-FOA-2 Ty.2 Req'd.
- 31 Guardrail Transition, S'd, GR-MGS4 Req'd.
- 32 End CG-9D Entrance Type
- 33 Handrail, S'd, HR-1 Type III Req'd.
- 34
- 35 Remove Exist. Guardrail
- 36 Remove Exist. Fence
- 37 Remove Exist. Structure
- 38 Remove Or Abandon and Fill Exist. Pipe
- 39 Remove Exist. Pole
- 40 Adj. Exist. Structure
- 41 Clean Out Exist. Structure
- 42 Full Depth Sawcut
- 43 Clean Out Exist. Pipe
- 44 10' Gutter Run Out
- 45 Median Barrier, S'd, MB-8A Req'd.
- 46 Pavement Demarcation Line

- Denotes Full Depth Pavement
- Denotes SUP/Driveway /Private Entrance Pavement
- Denotes Pavement Demolition
- Denotes Milling and Overlay / Variable Depth Overlay
- Denotes Concrete
- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills

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

Construction Alignment	1G(6)
Typical Sections	2A
Profile	14A

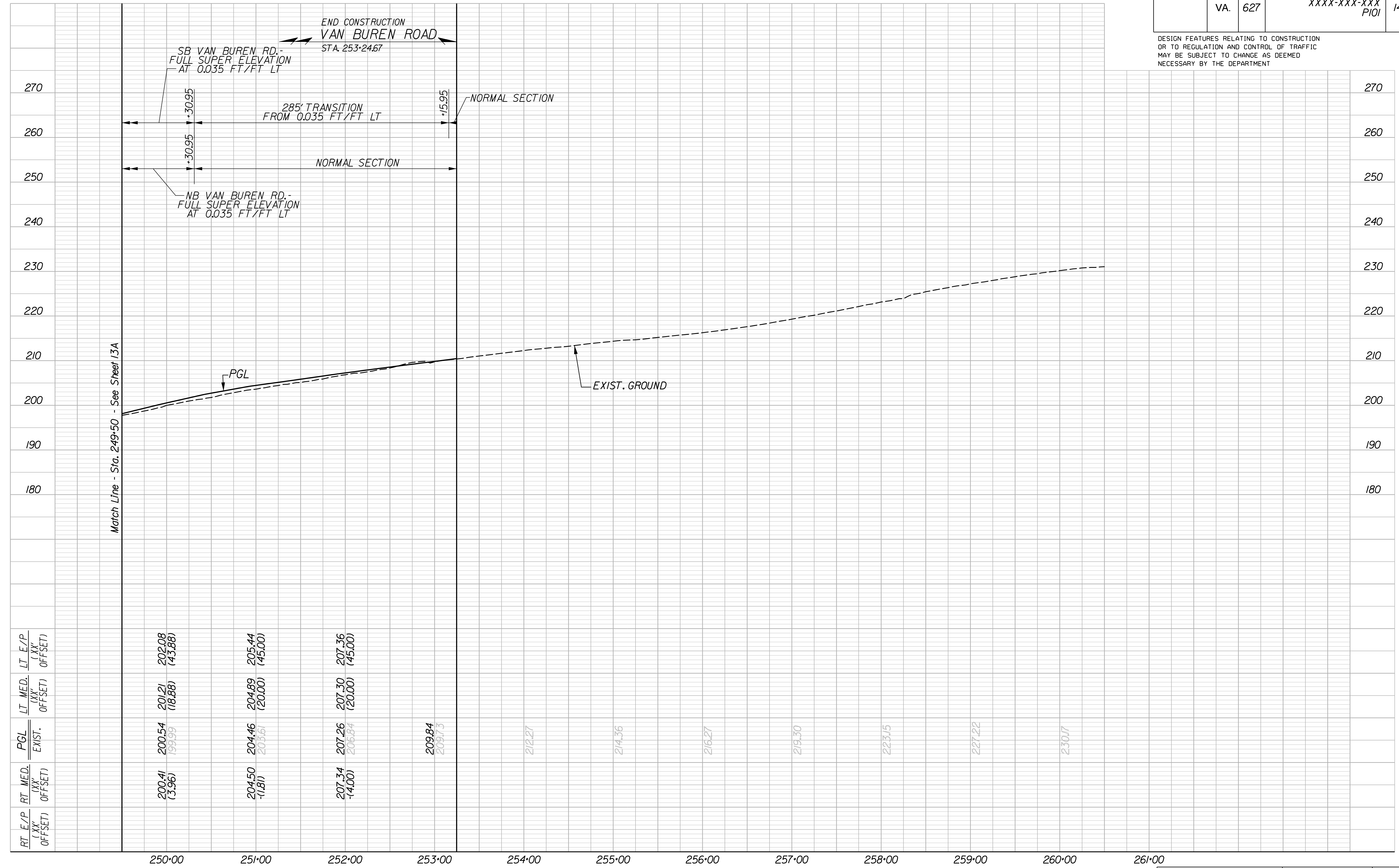
Curve VAN_BUR_J2 PI - 247+39.38 DELTA - 38° 56' 32.79" (RT) D - 5' 43' 46" T - 353.55' L - 679.67' R - 1000.00' PC - 243+85.82 PT - 250+65.50	Curve VAN_BUR_J3 PI - 258+43.78 DELTA - 25° 19' 16.07" (LT) D - 6' 01' 52" T - 213.40' L - 419.84' R - 950.00' PC - 256+30.38 PT - 260+50.22
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SCALE 0 50' 100'	PROJECT XXXX-XXX-XXX	SHEET NO. 14
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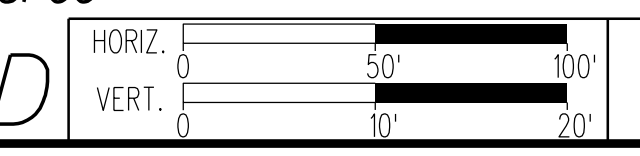
PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX PIQI	14A

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



VAN BUREN ROAD



PROJECT	SHEET NO.
XXXX-XXX-XXX	14A

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

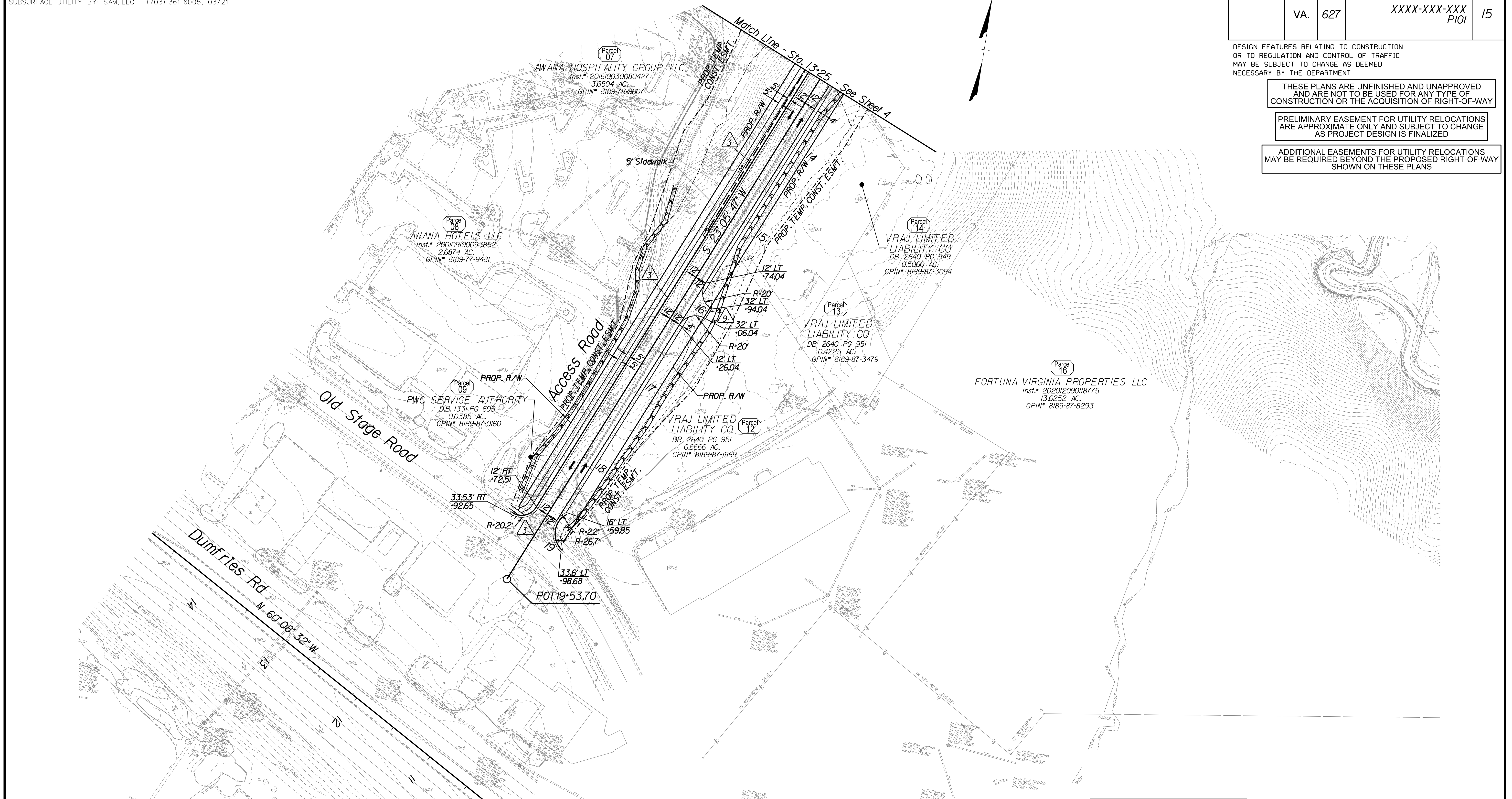
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX PIOI	15

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

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PRELIMINARY EASEMENT FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

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



Key Legend

- 1 6" Curb, S'd, CG-2 Req'd.
- 2 4" Curb, S'd, CG-3 Req'd.
- 3 6" Curb and Gutter, S'd, CG-6 Req'd.
- 4 4" Curb and Gutter, S'd, CG-7 Req'd.
- 5 Conc. Raised Median, S'd, MS-1 with 4" Curb Req'd.
- 6 Not Used
- 7 Conc. Raised Median, S'd, MS-1A (6" Curb)
- 8 Grass Raised Median, S'd, MS-2 (6" Curb)
- 9 Entrance Gutter, S'd, CG-9D Req'd.
- 10 Entrance, S'd, CG-11 Req'd.
- 11 Curb Ramp, S'd, CG-12 Req'd.
- 12 Underdrain Endwall, S'd, EW-12 Req'd.
- 13 Shoulder Break Over Line
- 14 Groundwater Underdrain, S'd, UD-1 Req'd.
- 15 Curb-Cut Opening, Drainage Flume
- 16 Pavement Underdrain, S'd, UD-4 Req'd.
- 17 Pavement Underdrain, Mod. 6" UD-4 Req'd.
- 18 Crossdrain, S'd, CD-1 Req'd.
- 19 Crossdrain, S'd, CD-2 Req'd.
- 20 Standard Fence, S'd, FE-CL Req'd.
- 21 Grass Raised Median, S'd, MS-2 (4" Curb)
- 22 Chain Link Fence, S'd, FE-CL Req'd.

- 23 Guardrail, S'd, GR-MGSI Req'd.
- 24 Guardrail, S'd, GR-MGSIA Req'd.
- 25 Guardrail Tangent End Terminal, S'd, GR-MGS2 Req'd.
- 26 Guardrail Trailing End, A-charge, S'd, GR-MGS3 Req'd.
- 27 Guardrail, S'd, GR-10, Type I Req'd.
- 28 Guardrail, S'd, GR-10, Type II Req'd.
- 29 Guardrail, S'd, GR-10, Type III Req'd.
- 30 Fixed Object Att., S'd, GR-FOA-2 Ty. I Req'd.
- 31 Fixed Object Att., S'd, GR-FOA-2 Ty. 2 Req'd.
- 32 Guardrail Transition, S'd, GR-MGS4 Req'd.
- 33 End CG-9D Entrance Type
- 34 Handrail, S'd, HR-1 Type III Req'd.

- 35 Remove Exlst. Guardrail
- 36 Remove Exlst. Fence
- 37 Remove Exlst. Structure
- 38 Remove Or Abandon and Fill Exlst. Pipe
- 39 Remove Exlst. Pole
- 40 Adjust Exlst. Structure
- 41 Clean Out Exlst. Structure
- 42 Full Depth Sawcut
- 43 Clean Out Exlst. Pipe
- 44 10' Gutter Run Out
- 45 Median Barrier, S'd, MB-8A Req'd.
- 46 Pavement Demarcation Line

	Denotes Full Depth Pavement		Denotes Concrete
	Denotes SUP/Driveway /Private Entrance Pavement		
	Denotes Pavement Demolition		
	Denotes Milling and Overlay / Variable Depth Overlay		Denotes Construction Limits in Cuts
			Denotes Construction Limits in Fills

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

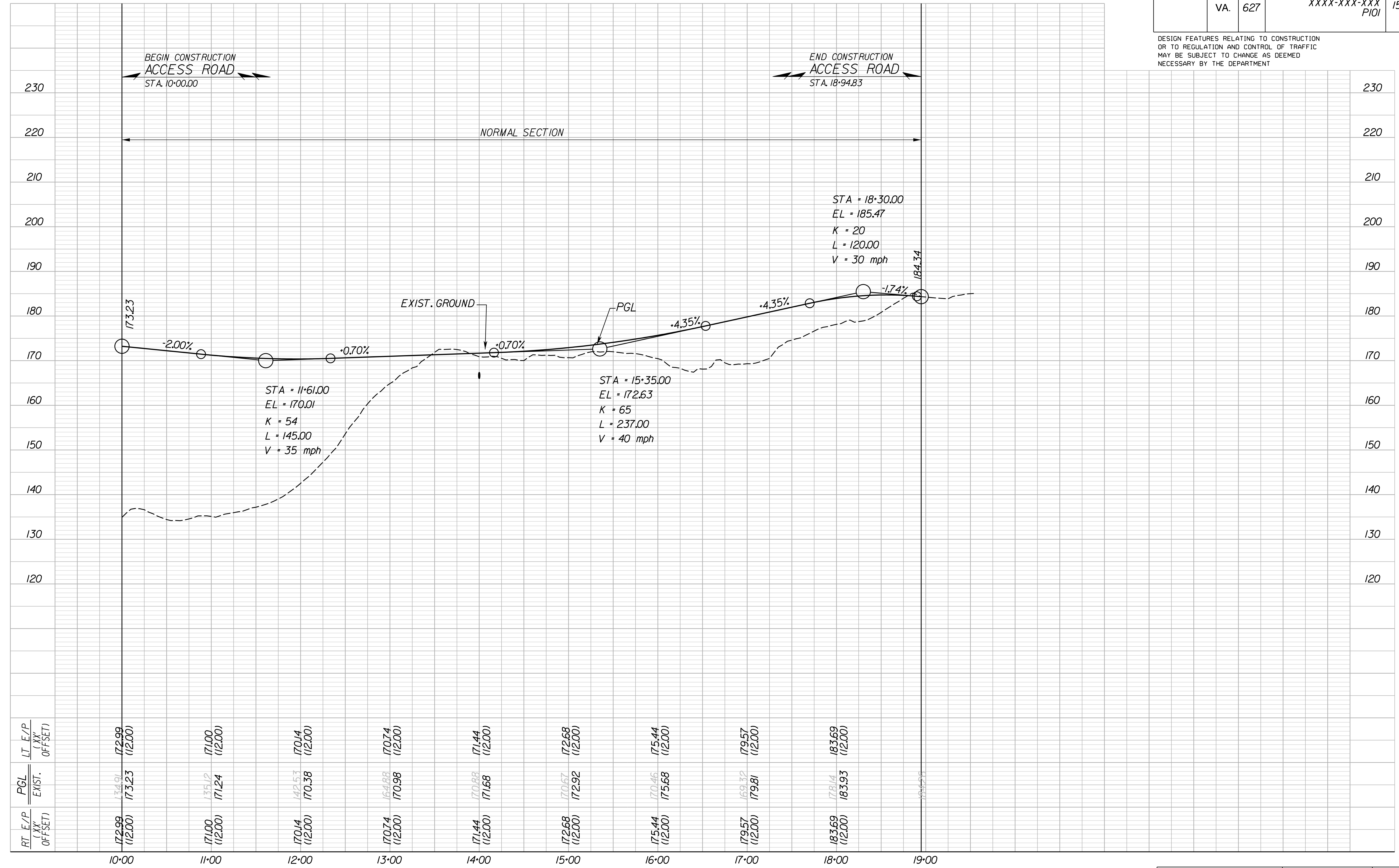
Construction Alignment	IG(1)
Typical Sections	2A
Profile	15A

SCALE 0 50' 100'	PROJECT XXXX-XXX-XXX	SHEET NO. 15
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PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
 DESIGNED BY: Dewberry Engineers Inc. - (703) 208-1757
 SUBSURFACE UTILITY BY: SAM, LLC - (703) 361-6005, 03/21

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	627		XXXX-XXX-XXX PIQI	15A

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



RT. E/P (XY OFFSET)	PGL (XY EXIST.)	LT. E/P (XY OFFSET)
172.99 (12.00)	174.01 (12.00) 173.23 (12.00)	172.99 (12.00)
171.00 (12.00)	175.12 (12.00) 171.24 (12.00)	171.00 (12.00)
170.14 (12.00)	172.53 (12.00) 170.38 (12.00)	170.14 (12.00)
170.74 (12.00)	164.88 (12.00) 170.98 (12.00)	170.74 (12.00)
171.44 (12.00)	170.88 (12.00) 171.68 (12.00)	171.44 (12.00)
172.68 (12.00)	170.67 (12.00) 172.92 (12.00)	172.68 (12.00)
175.44 (12.00)	170.46 (12.00) 175.68 (12.00)	175.44 (12.00)
179.57 (12.00)	169.32 (12.00) 179.81 (12.00)	179.57 (12.00)
183.69 (12.00)	178.14 (12.00) 183.93 (12.00)	183.69 (12.00)

PROJECT DESIGN MANAGER: Mr. Mark Brewer, PE (Dewberry) - (703) 849-0622
 SURVEYED BY: Quantum Spatial - (703) 471-4510, 11/20
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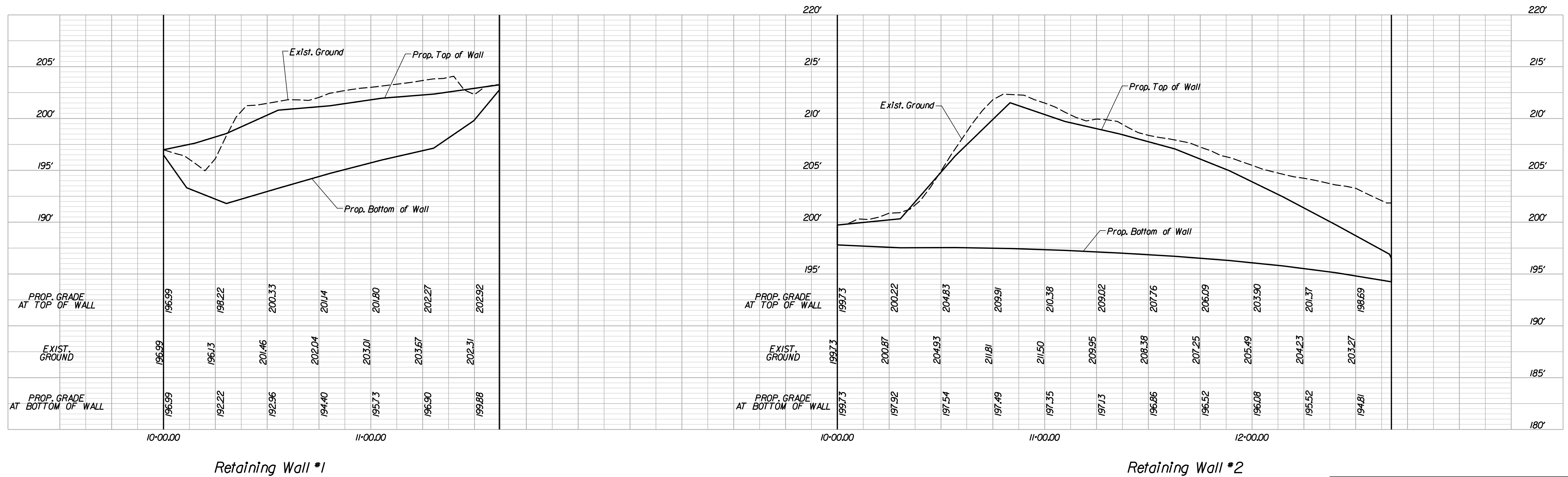
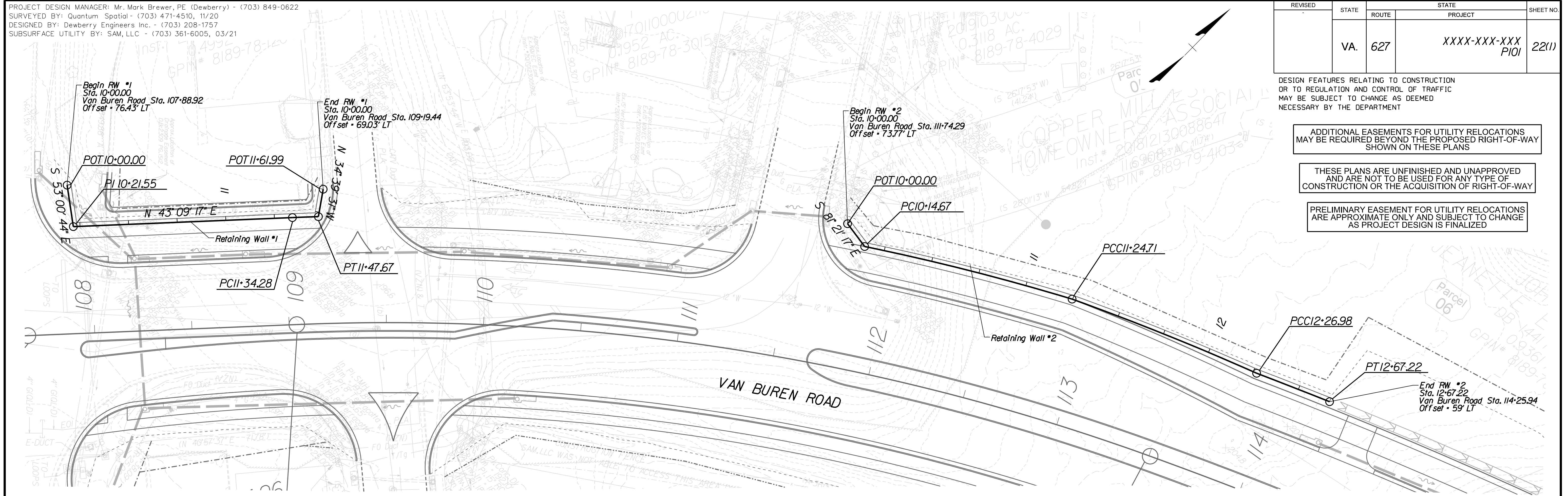
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	627	XXXX-XXX-XXX P101	22(1)

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

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

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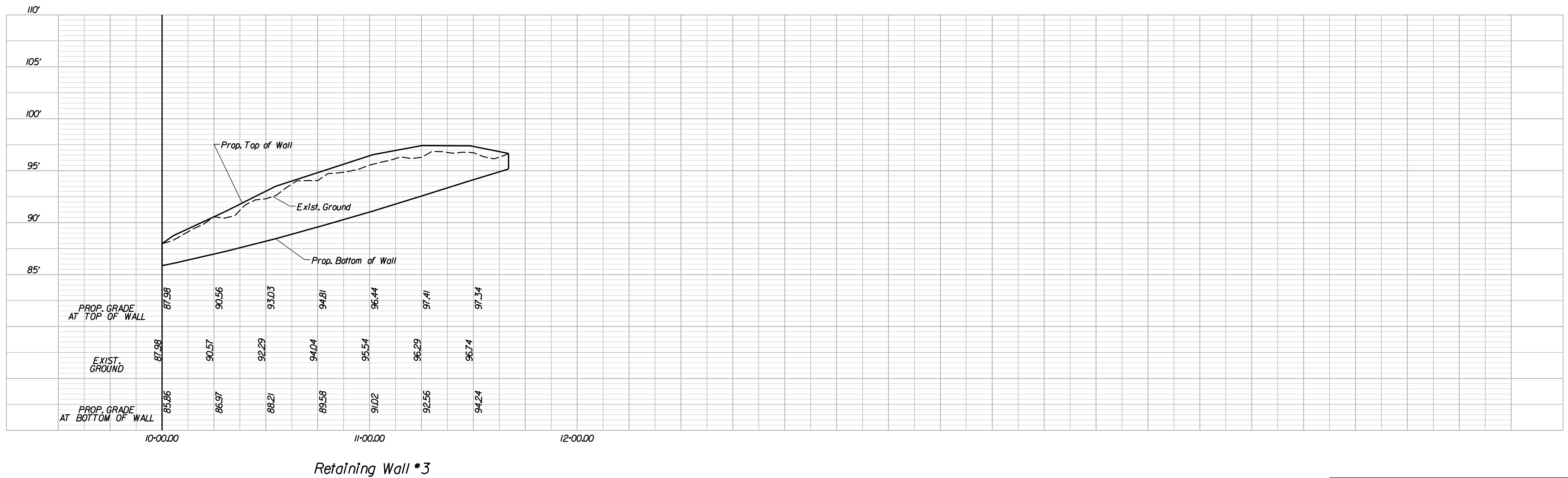
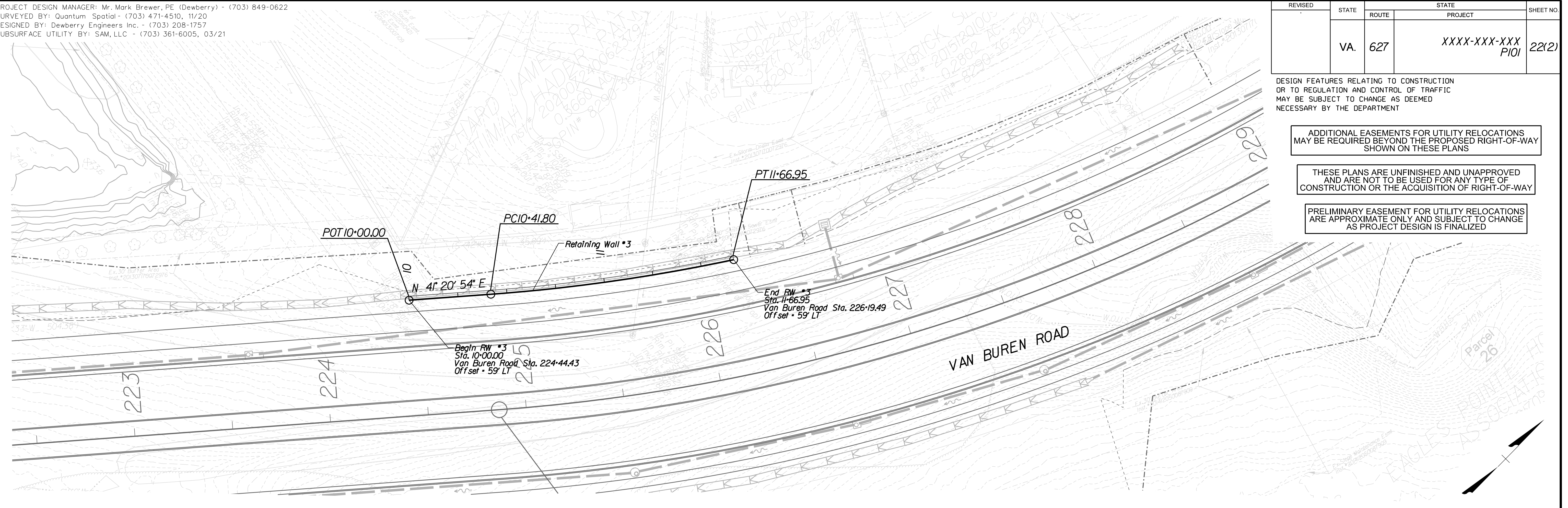
REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	VA.	627	XXXX-XXX-XXX PIQI	22(2)

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

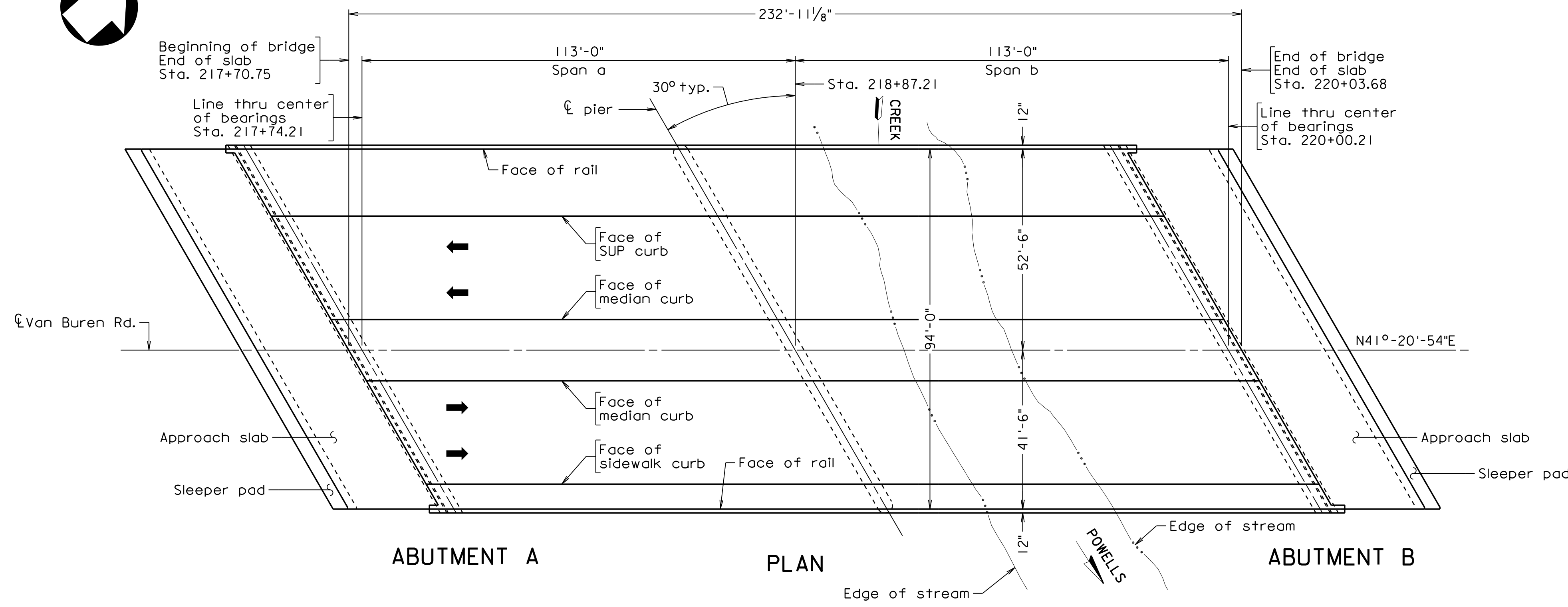
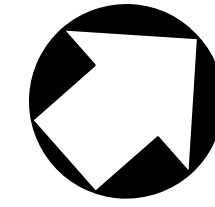
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS

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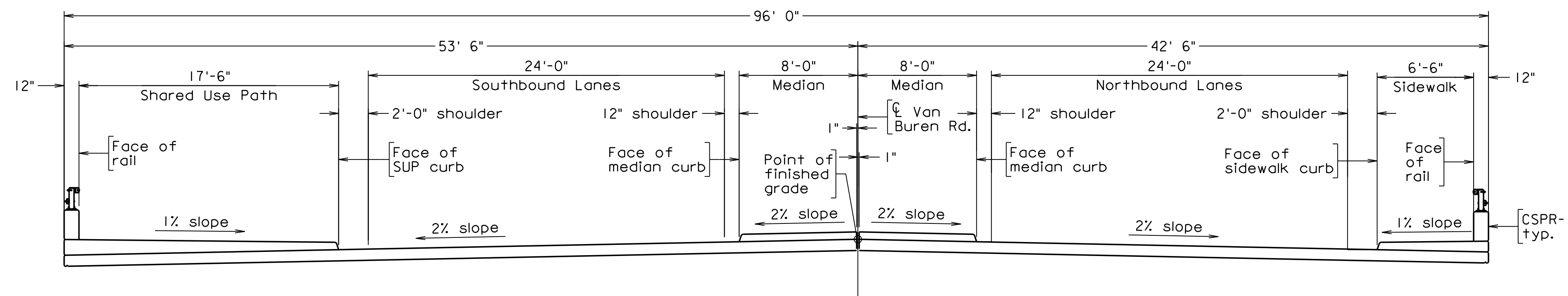
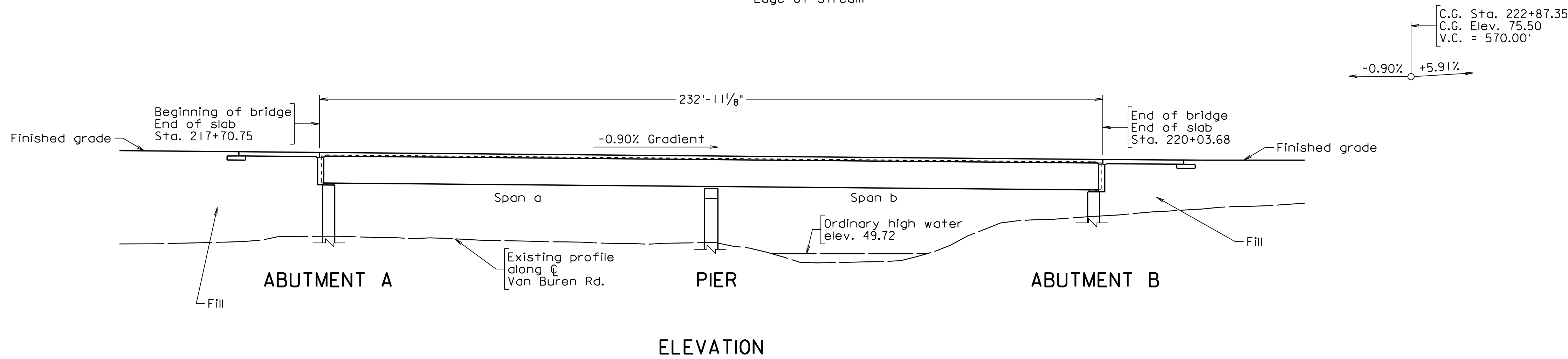
PRELIMINARY EASEMENT FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED



STATE	FEDERAL AID		STATE		SHEET
ROUTE	PROJECT		ROUTE	PROJECT	NO.
VA.			627	XXXX-XXX-XXX, BXXX	23



Notes:
 Rip rap is not shown in the plan or elevation, but will be required for slope protection.
 Wingwalls are not shown in the plan but will be required. Wingwall length will be dependent on the distance required to tie out the berm of the rip rap in front of the abutments to the finished grade.



TRANSVERSE SECTION
 Scale: 3/16" = 1'-0"

PRELIMINARY PLANS
 THESE PLANS NOT TO BE USED FOR CONSTRUCTION

Scale: 1" = 20' unless otherwise shown

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COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
PROPOSED BRIDGE ON RTE. 627 (VAN BUREN ROAD) OVER POWELS CREEK PRINCE WILLIAM COUNTY XX. MI. RTE. 627			
No.	Description	Date	
	Revisions		
Drawn: MKD	Checked: KLM	Date: June 2023	Plan No.: XXX-XX Sheet No.: 23