

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	15

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

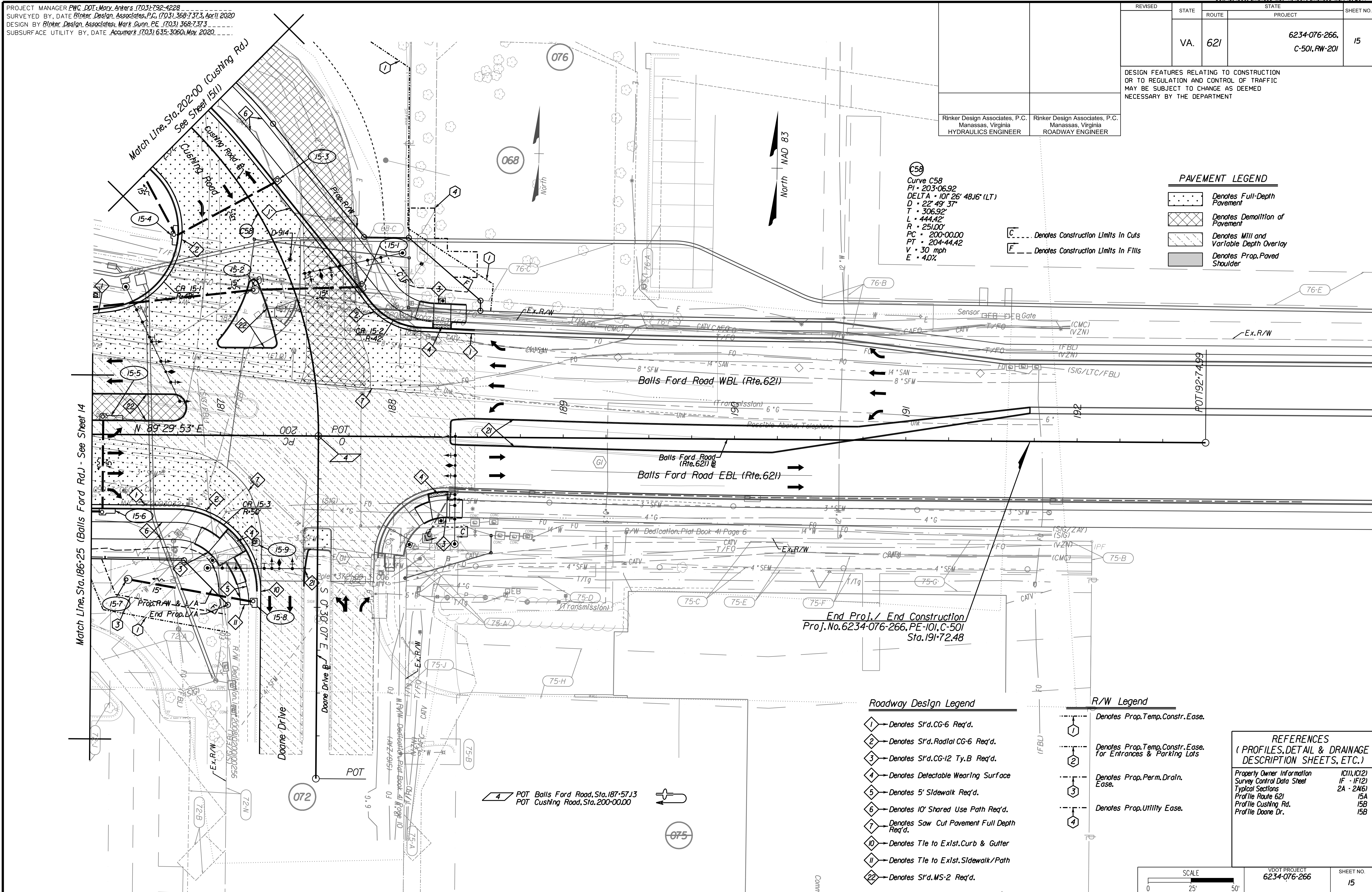
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

**C58**  
 Curve C58  
 PI • 203+06.92  
 DELTA • 101° 26' 48J6 (LT)  
 D • 22' 49' 37"  
 T • 306.92'  
 L • 444.42'  
 R • 251.00'  
 PC • 200+00.00  
 PT • 204+44.42  
 V • 30 mph  
 E • 4.0%

**PAVEMENT LEGEND**

	Denotes Full-Depth Pavement
	Denotes Demolition of Pavement
	Denotes Mill and Variable Depth Overlay
	Denotes Prop. Paved Shoulder

Denotes Construction Limits in Cuts  
 Denotes Construction Limits in Fills



End Proj./ End Construction  
 Proj. No. 6234-076-266, PE-101, C-501  
 Sta. 191+72.48

**Roadway Design Legend**

- Denotes S'd. CG-6 Req'd.
- Denotes S'd. Radial CG-6 Req'd.
- Denotes S'd. CG-12 Ty. B Req'd.
- Denotes Detectable Wearing Surface
- Denotes 5' Sidewalk Req'd.
- Denotes 10' Shared Use Path Req'd.
- Denotes Saw Cut Pavement Full Depth Req'd.
- Denotes Tie to Exist. Curb & Gutter
- Denotes Tie to Exist. Sidewalk/Path
- Denotes S'd. MS-2 Req'd.

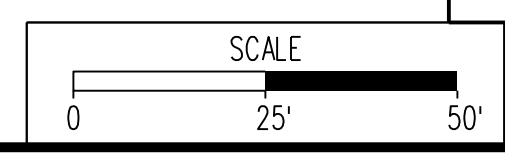
**R/W Legend**

- Denotes Prop. Temp. Constr. Ease.
- Denotes Prop. Temp. Constr. Ease. For Entrances & Parking Lots
- Denotes Prop. Perm. Drain. Ease.
- Denotes Prop. Utility Ease.

POT Balls Ford Road, Sta. 187+57.13  
 POT Cushing Road, Sta. 200+00.00

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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile Route 621	15A
Profile Cushing Rd.	15B
Profile Doane Dr.	15B



VDOT PROJECT 6234-076-266	SHEET NO. 15
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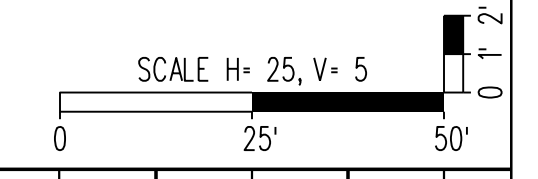
PH PLAN

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

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

NOVA DISTRICT DESIGN UNIT  
  
 Design Associates, P.C.  
 Civil Engineering, Surveying, Land Planning  
 Transportation, Right of Way Services  
 Office Locations:  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Washington, DC

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 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, July 2019



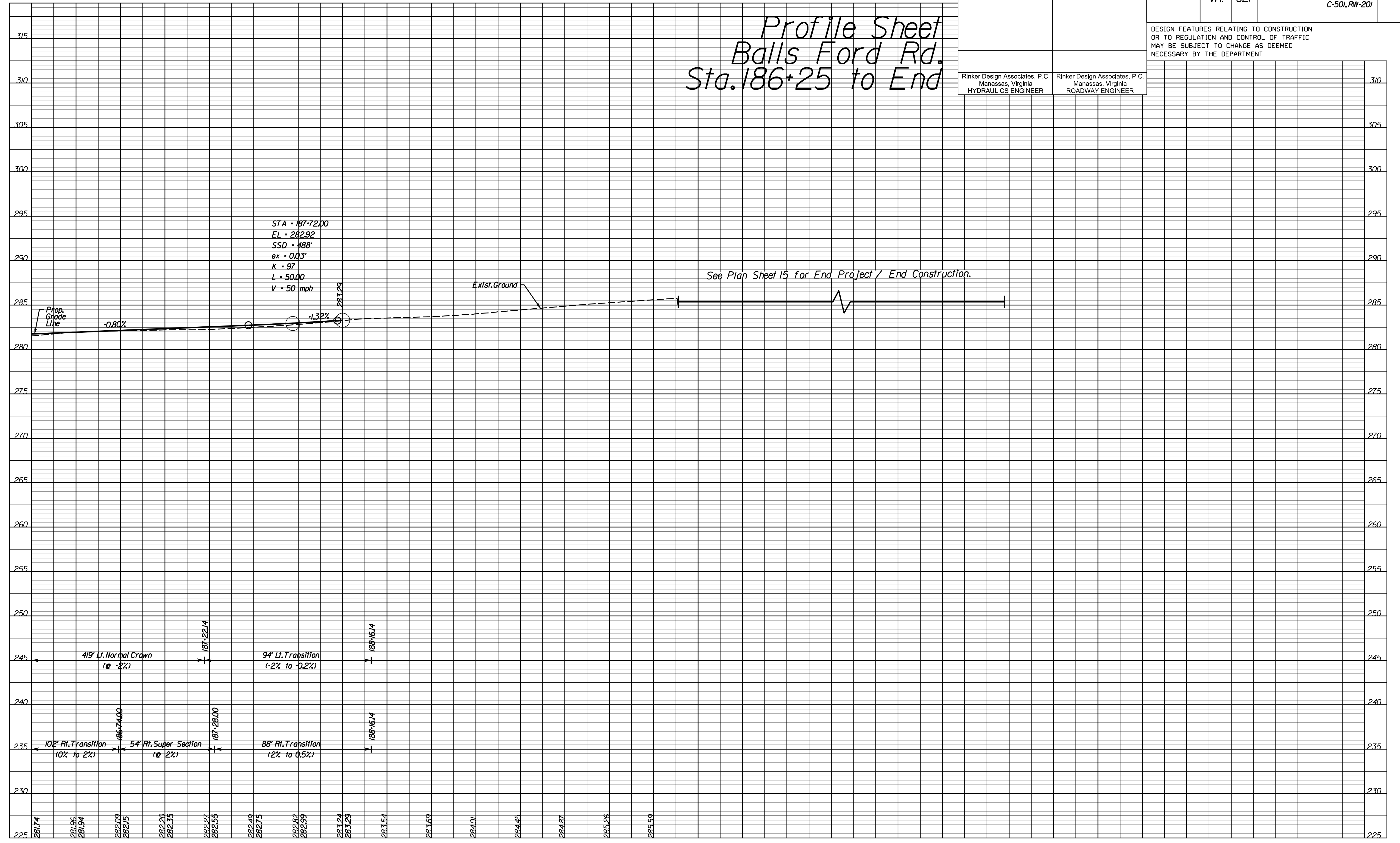
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	15A

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

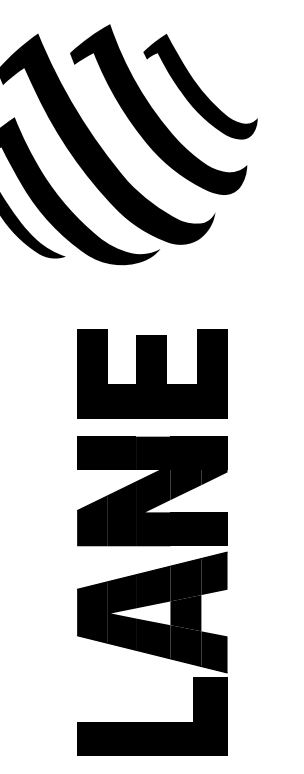
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

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 Manassas, Virginia  
 ROADWAY ENGINEER

Profile Sheet  
 Balls Ford Rd.  
 Sta. 186+25 to End



See Plan Sheet 15 for End Project / End Construction.



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PH PLAN

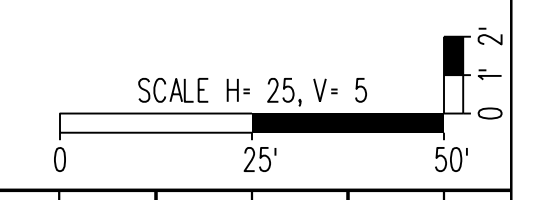
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VDOT PROJECT  
 6234-076-266  
 PWC PROJECT  
 SPR2019-00101

SHEET NO.  
 15A

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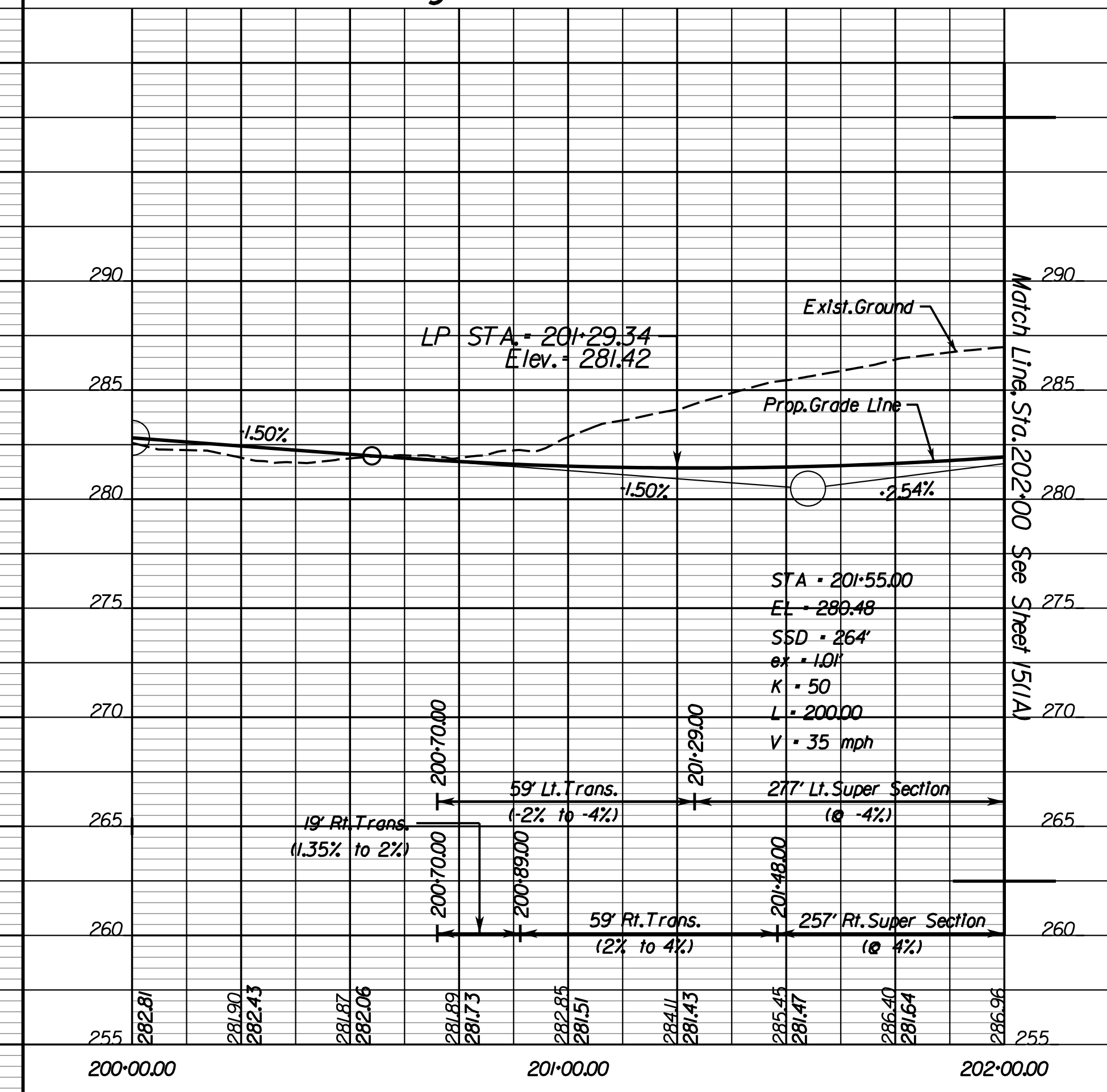
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	15B

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

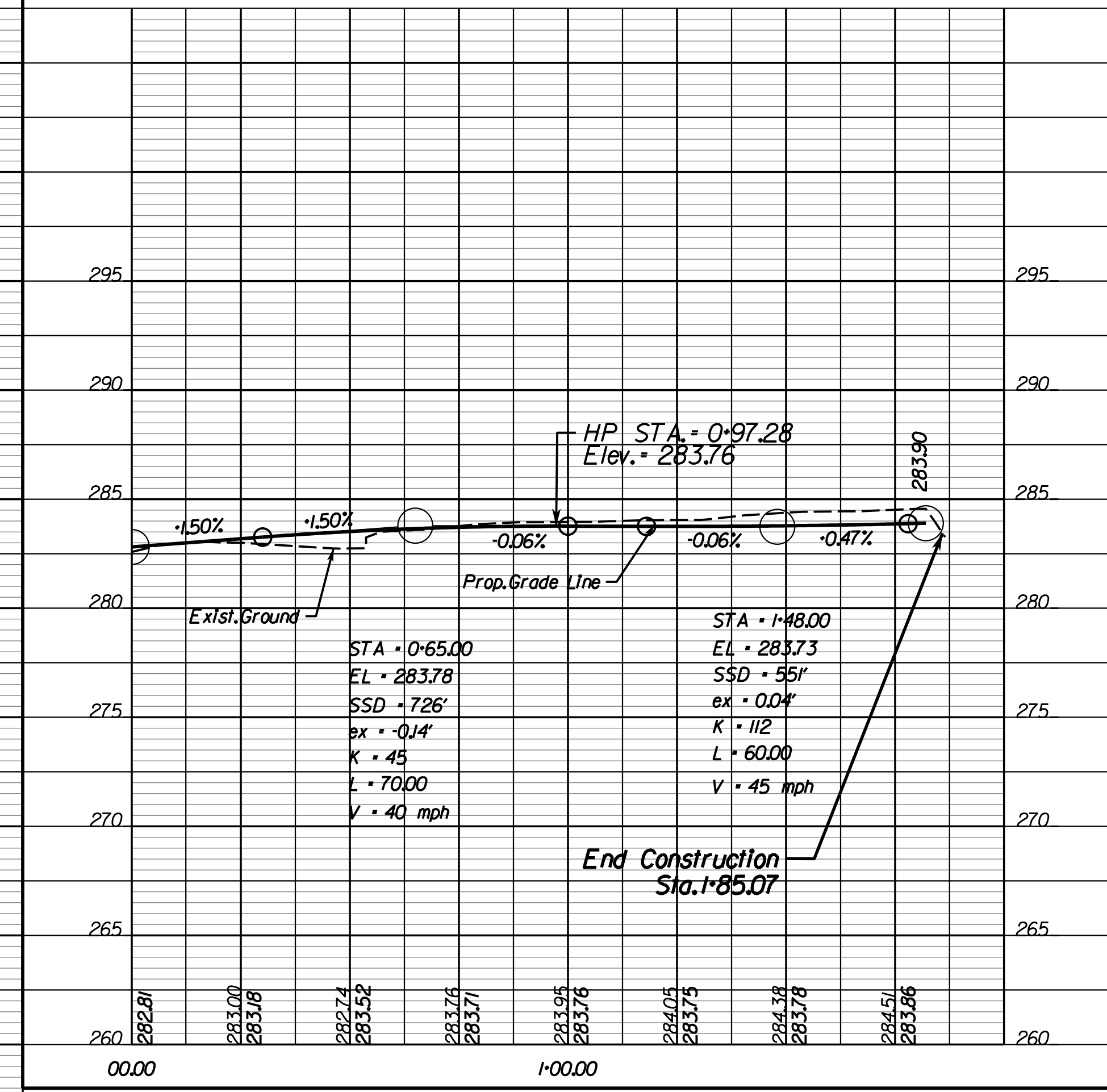
Rinker Design Associates, P.C.  
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Profile Cushing Rd. Sta. 200+00 to 202+00



Profile Doane Dr.



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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	15(1)

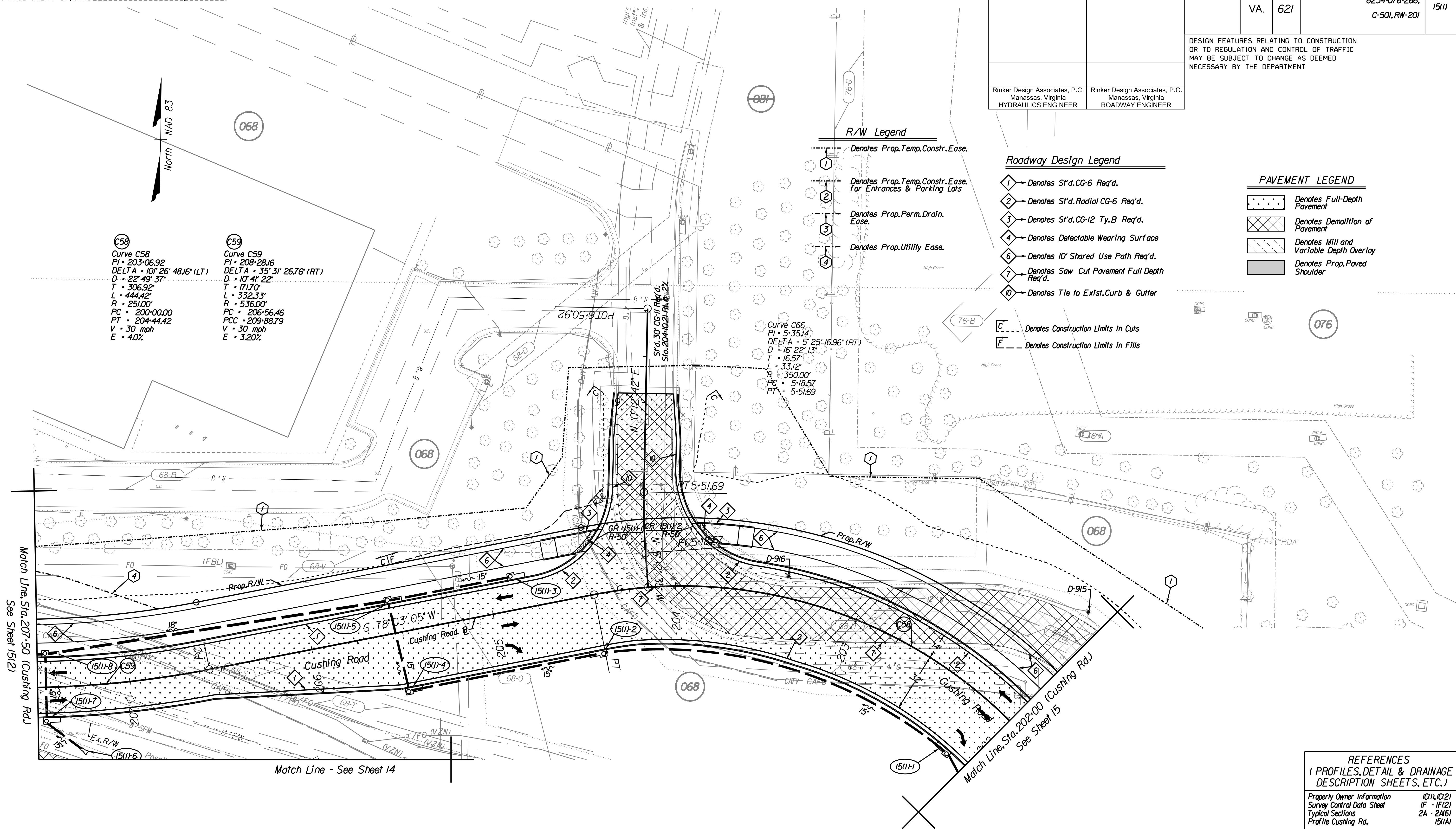
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Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services  
 Rinker

LANE  
 NOVA DISTRICT DESIGN UNIT



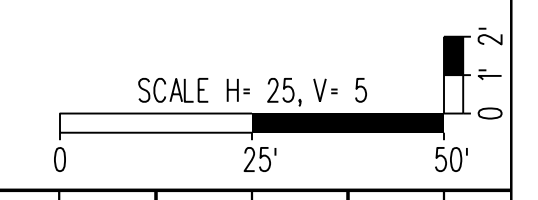
**REFERENCES**  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)
Profile Cushing Rd.	15(1A)

SCALE 0 25' 50'	VDOT PROJECT 6234-076-266	SHEET NO. 15(1)
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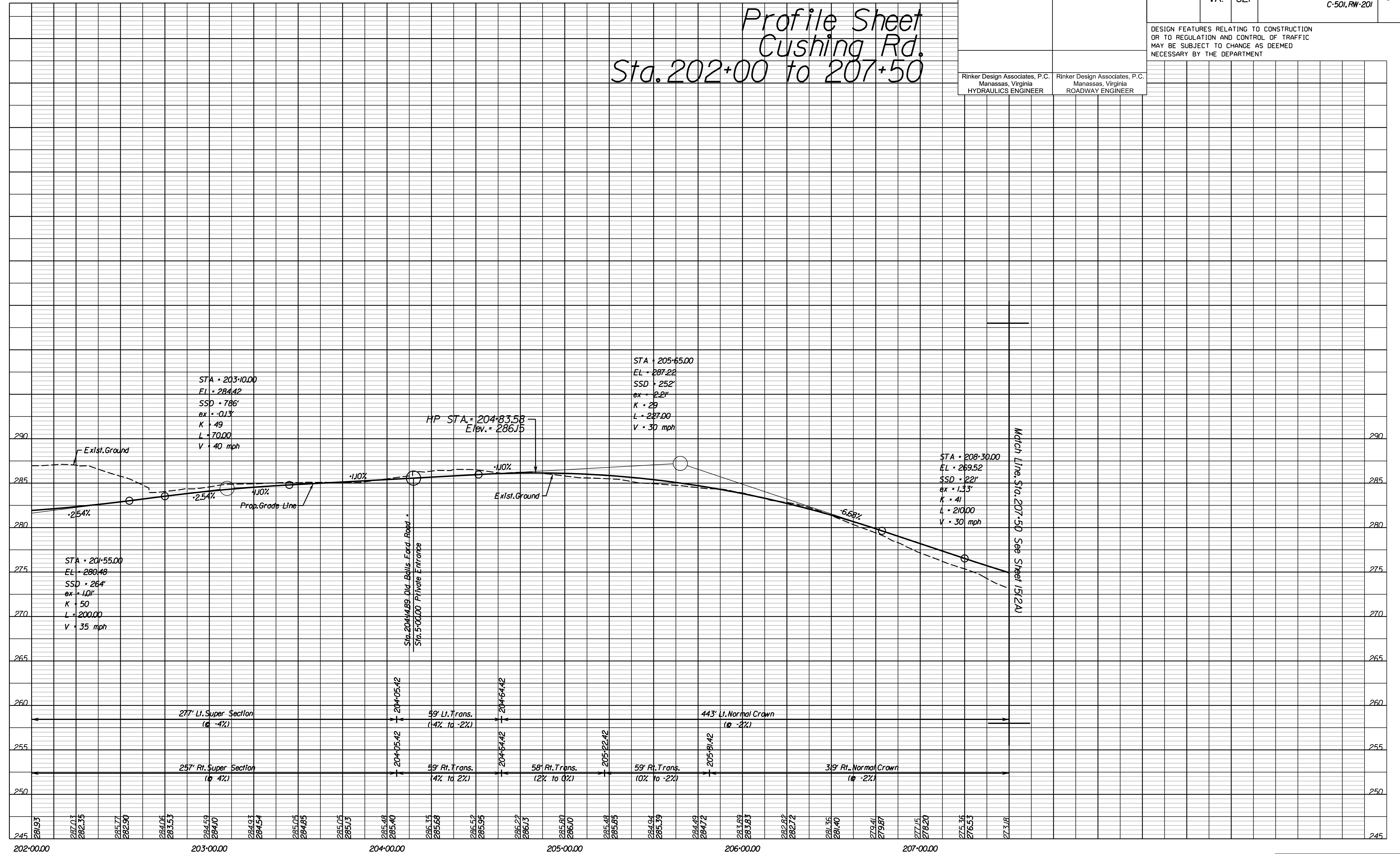
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	15(1A)

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# Profile Sheet Cushing Rd. Sta. 202+00 to 207+50



NOVA DISTRICT DESIGN UNIT

**LANE**

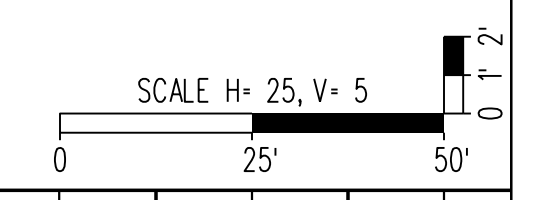
Rinker Design Associates, P.C.

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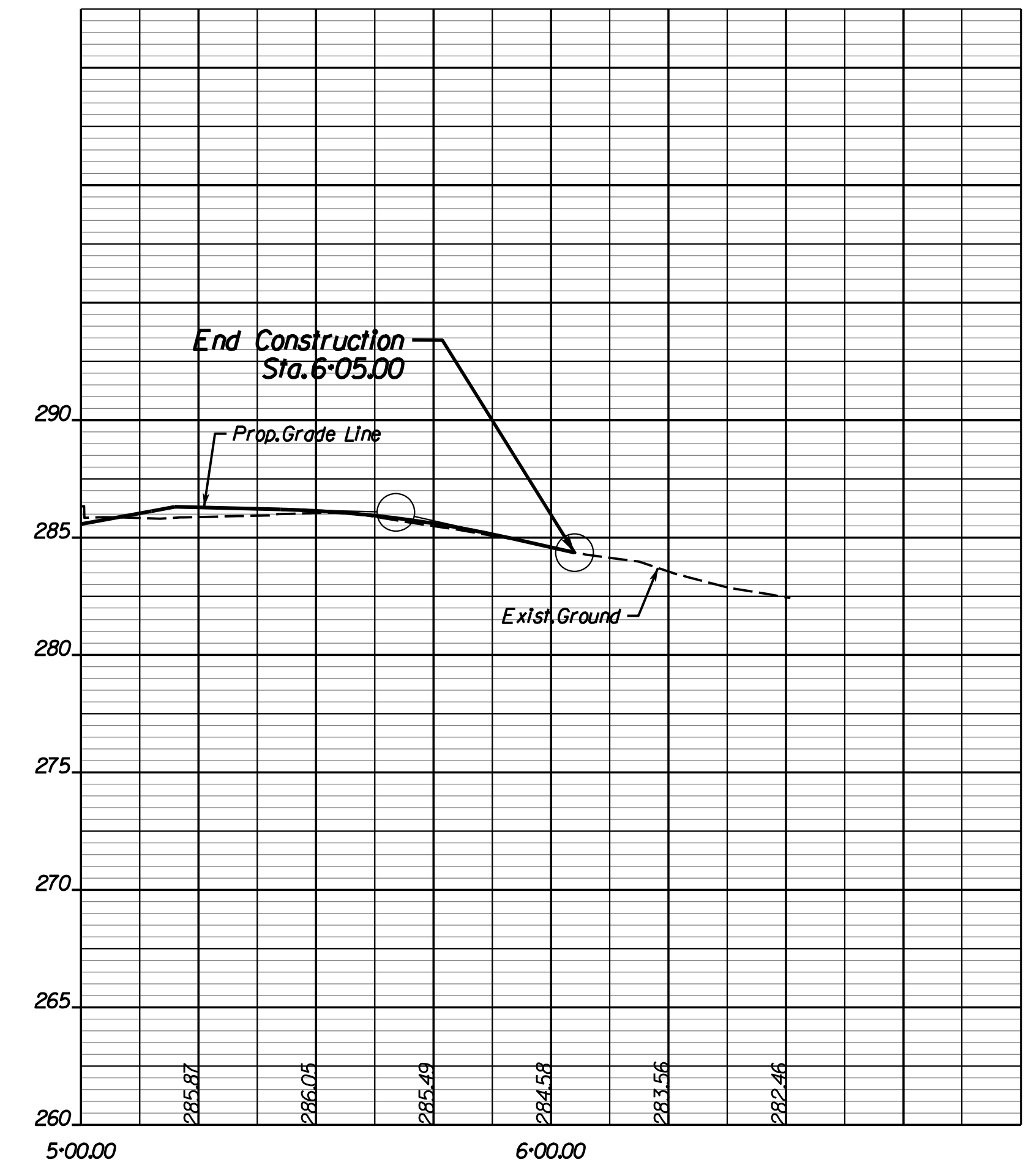
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	151(B)

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Profile Entrance 204+50



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 Transportation - Right-of-Way Services

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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	15(2)

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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Manassas, Virginia  
HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
Manassas, Virginia  
ROADWAY ENGINEER

**(C59)**  
Curve C59  
PI • 208-2816  
DELTA • 35° 31' 26.76" (RT)  
D • 10' 41' 22"  
T • 171.70'  
L • 332.33'  
R • 536.00'  
PC • 206-56.46  
PCC • 209-88.79  
V • 30 mph  
E • 3.20%

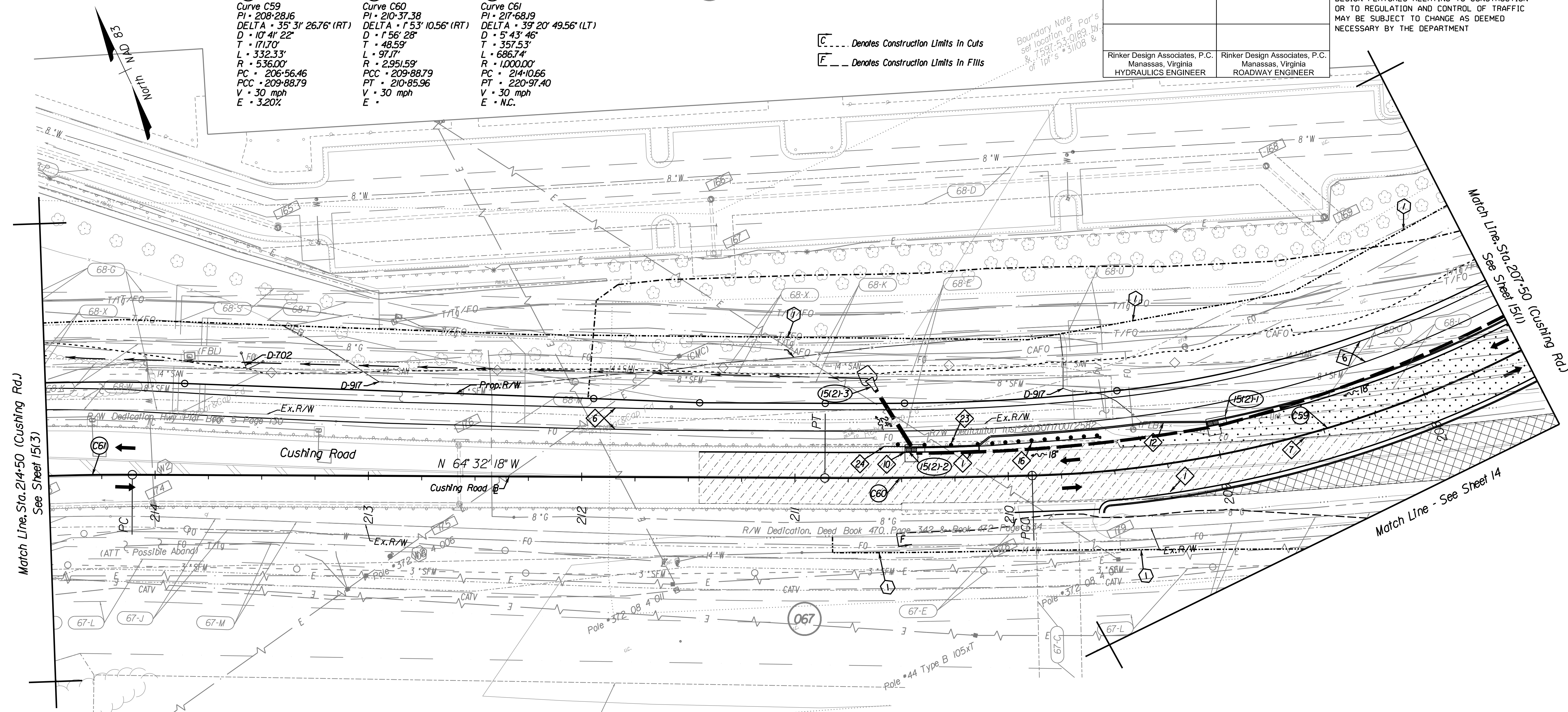
**(C60)**  
Curve C60  
PI • 210-37.38  
DELTA • 1° 53' 10.56" (RT)  
D • 1° 56' 28"  
T • 48.59'  
L • 97.17'  
R • 2,951.59'  
PCC • 209-88.79  
V • 30 mph  
E •

**(C61)**  
Curve C61  
PI • 217-6819  
DELTA • 39° 20' 49.56" (LT)  
D • 5' 43' 46"  
T • 357.53'  
L • 686.74'  
R • 1,000.00'  
PC • 214-10.66  
PT • 220-97.40  
V • 30 mph  
E • N.C.

(068)

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

Boundary Note  
set location of Par's  
& 7597-53-0189, by  
of 1pt's • 3108 &



**PAVEMENT LEGEND**

	Denotes Full-Depth Pavement
	Denotes Demolition of Pavement
	Denotes Mill and Variable Depth Overlay
	Denotes Prop. Paved Shoulder

**Roadway Design Legend**

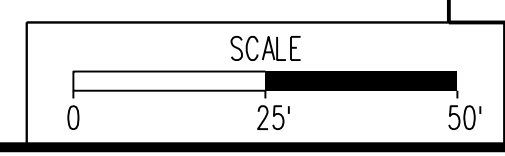
- Denotes Std. CG-6 Req'd.
- Denotes 10' Shared Use Path Req'd.
- Denotes Saw Cut Pavement Full Depth Req'd.
- Denotes Tie to Exist. Curb & Gutter

**R/W Legend**

- Denotes Prop. Temp. Constr. Ease.
- Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
- Denotes Prop. Perm. Drain. Ease.
- Denotes Prop. Utility Ease.

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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile Cushing Rd.	15(2A)



VDOT PROJECT 6234-076-266	SHEET NO. 15(2)
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PH PLAN

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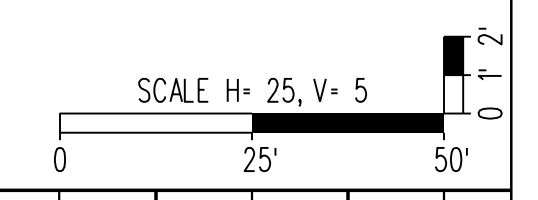
NOVA DISTRICT DESIGN UNIT



Rinker Design Associates, P.C.

Office Locations: Manassas, VA; Fairfax, VA; Falls Church, VA; Herndon, VA; Reston, VA; Washington, DC

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 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



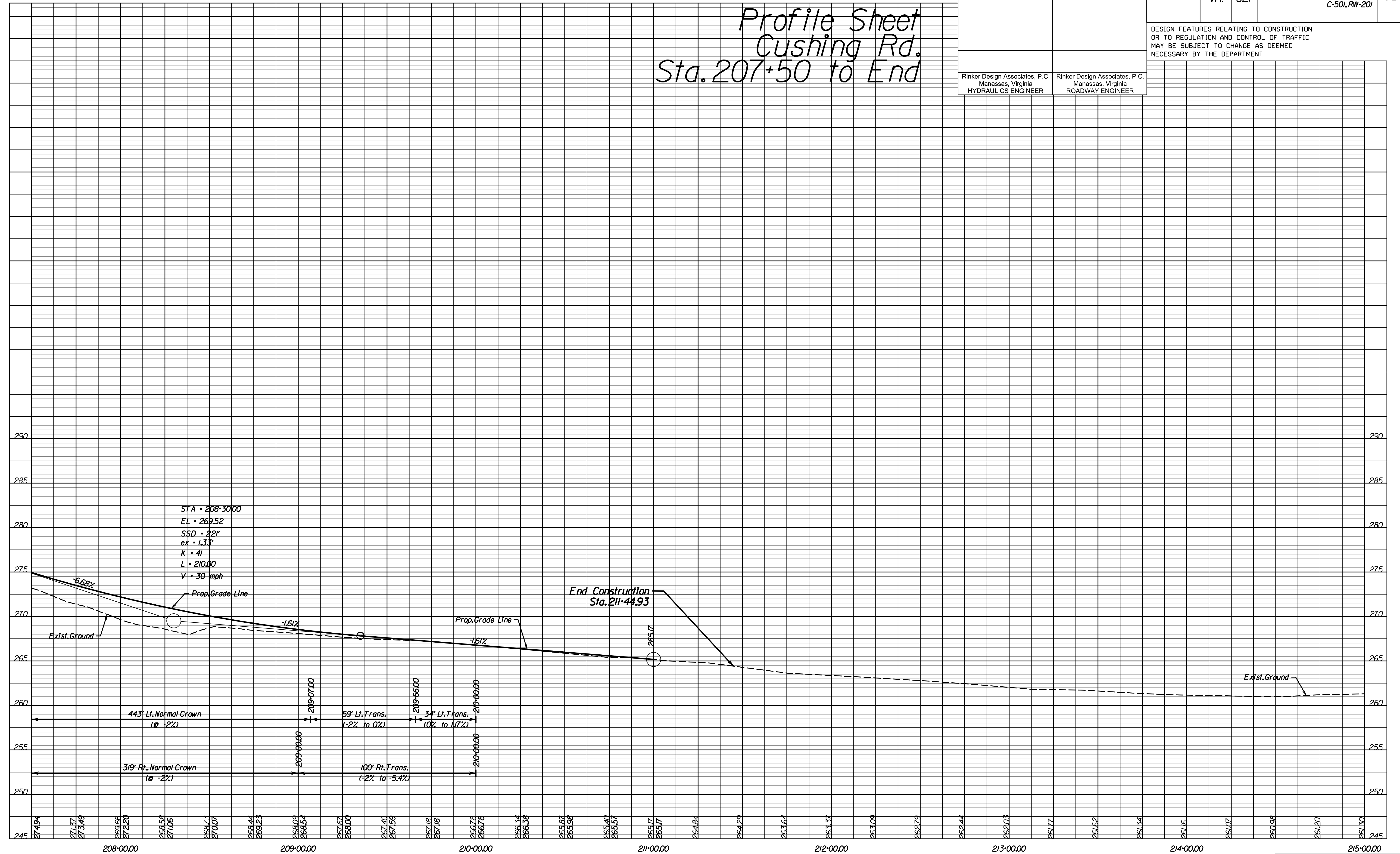
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	15(2A)

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 Manassas, Virginia  
 HYDRAULICS ENGINEER

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 Manassas, Virginia  
 ROADWAY ENGINEER

Profile Sheet  
 Cushing Rd.  
 Sta. 207+50 to End



NOVA DISTRICT DESIGN UNIT

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VDOT PROJECT 6234-076-266  
 PWC PROJECT SPR2019-00101

SHEET NO. 15(2A)



PROJECT MANAGER PWC\_DOT: Mary Ankers (703) 792-4228  
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REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	15(3)

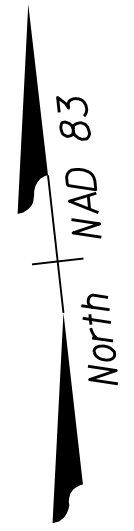
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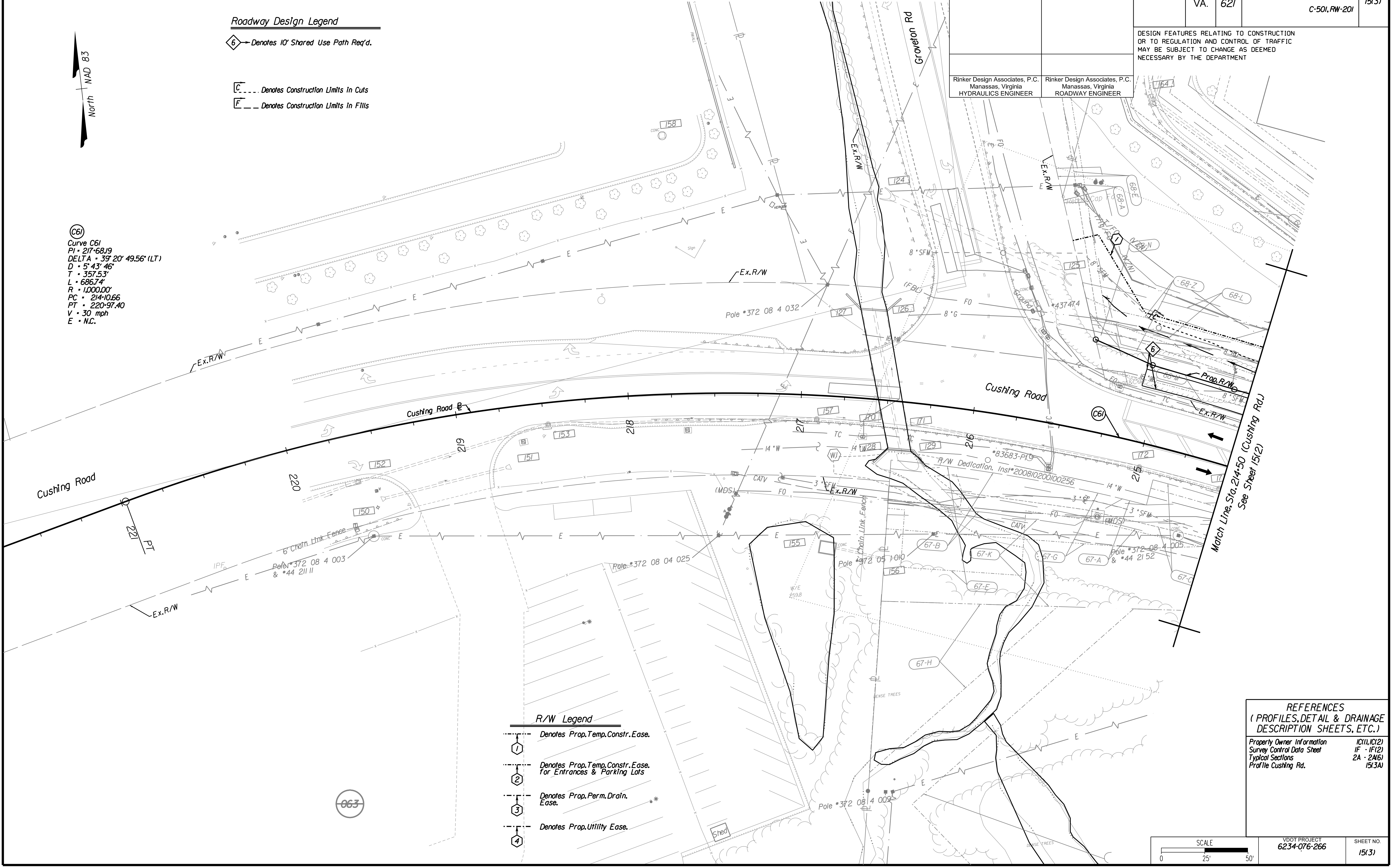
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

**Roadway Design Legend**

- Denotes 10' Shared Use Path Req'd.
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills



(C61)  
 Curve C61  
 PI - 217-68J9  
 DELTA - 39° 20' 49.56" (LT)  
 D - 5° 43' 46"  
 T - 357.53'  
 L - 686.74'  
 R - 1,000.00'  
 PC - 214+10.66  
 PT - 220+97.40  
 V - 30 mph  
 E - N.C.

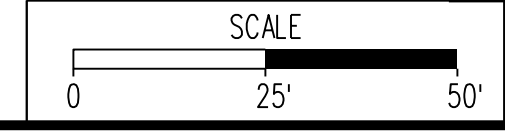


**R/W Legend**

- Denotes Prop. Temp. Constr. Ease.
- Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
- Denotes Prop. Perm. Drain. Ease.
- Denotes Prop. Utility Ease.

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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile Cushing Rd.	15(3A)



VDOT PROJECT 6234-076-266	SHEET NO. 15(3)
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NOVA DISTRICT DESIGN UNIT

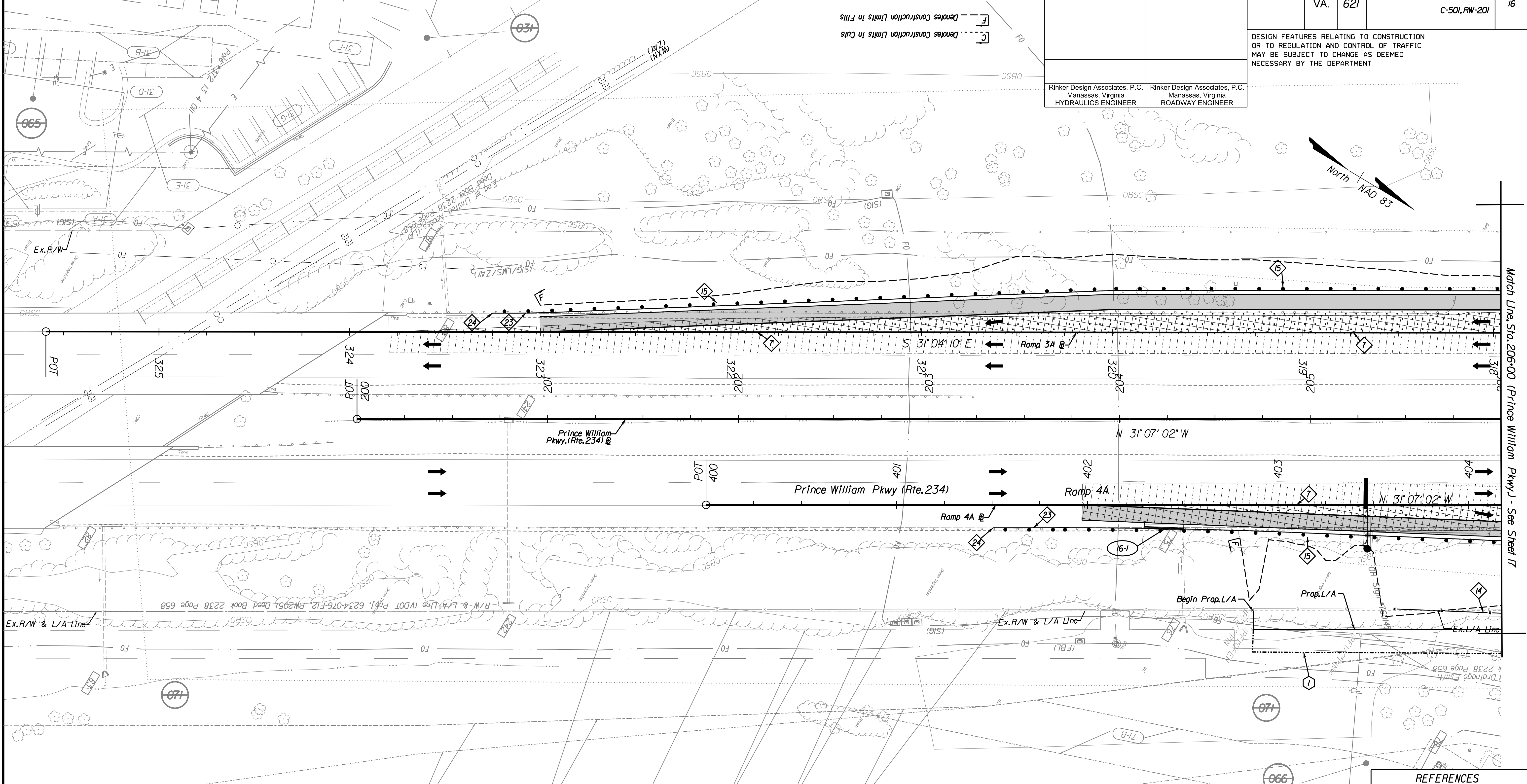


Design Associates, P.C.

Office Locations  
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 Herndon, VA  
 Leesville, VA  
 Loudoun, VA  
 Manassas, VA  
 Manassas Park, VA  
 Reston, VA  
 Springfield, VA  
 Stafford, VA  
 Warrenton, VA

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REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	16
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Rinker Design Associates, P.C. Manassas, Virginia HYDRAULICS ENGINEER			Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER		



PAVEMENT LEGEND		R/W Legend	
	Denotes Full-Depth Pavement		Denotes Prop. Temp. Constr. Ease.
	Denotes Demolition of Pavement		Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
	Denotes Mill and Variable Depth Overlay		Denotes Prop. Perm. Drain. Ease.
	Denotes Prop. Paved Shoulder		

Roadway Design Legend	
	Denotes Saw Cut Pavement Full Depth Req'd.
	Denotes S'd. GR-MGS1 Req'd.
	Denotes S'd. 35' Transition MGS4 Req'd.
	Denotes Tie to Exlst. Guardrail

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile Route 234	16A
Profile DDI & Ramps	25 Series

SCALE 0 25' 50'	VDOT PROJECT 6234-076-266	SHEET NO. 16
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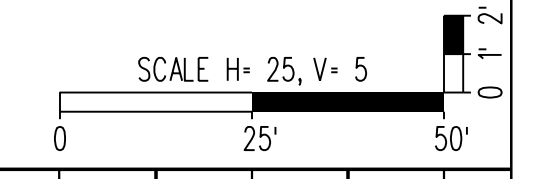
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 Office Locations: Manassas, VA; Fairfax, VA; Falls Church, VA; Herndon, VA; Reston, VA; Springfield, VA; Vienna, VA; Woodbridge, VA

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



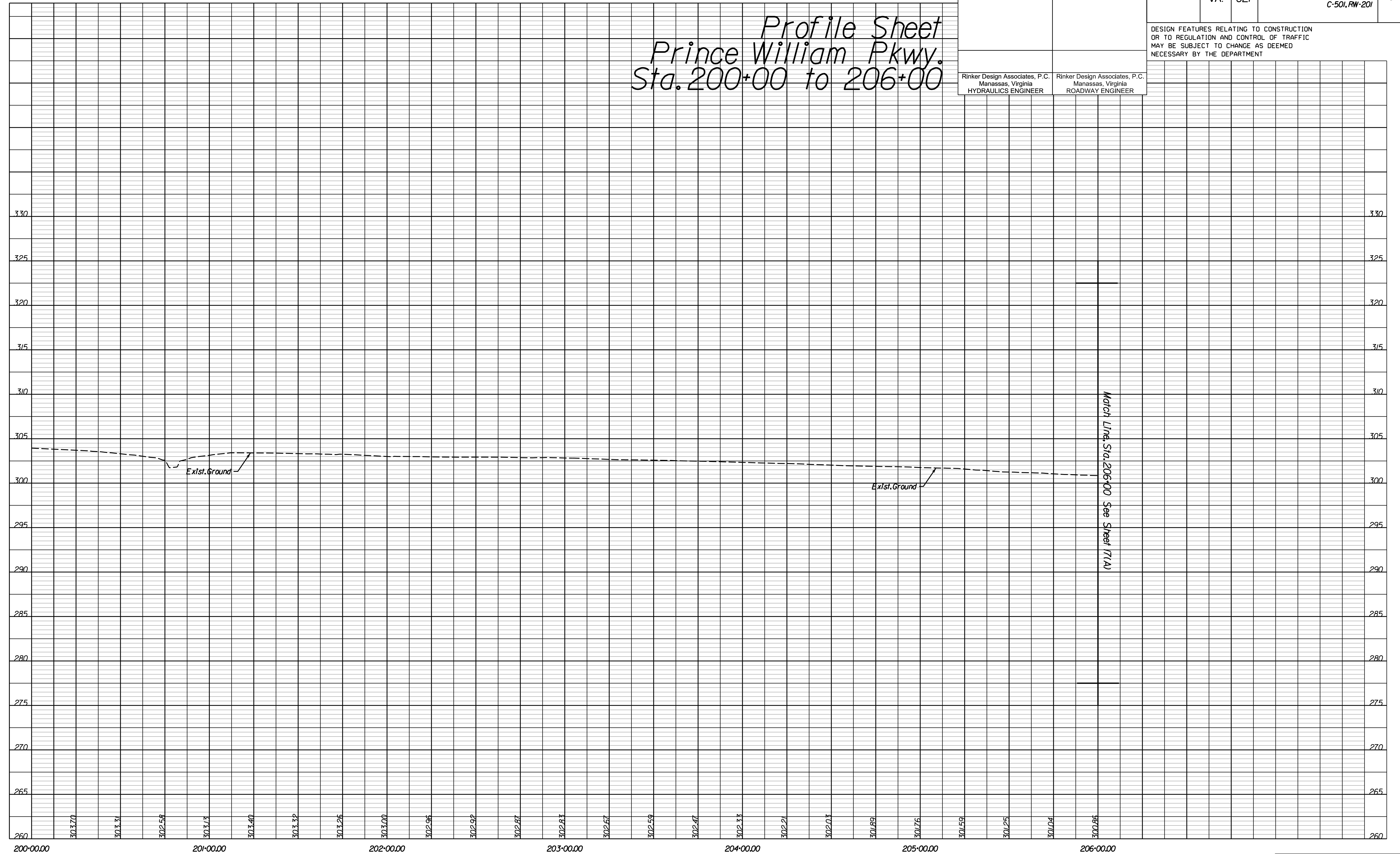
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	16A

*Profile Sheet  
 Prince William Pkwy.  
 Sta. 200+00 to 206+00*

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

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



NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker  
 Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

PH PLAN

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

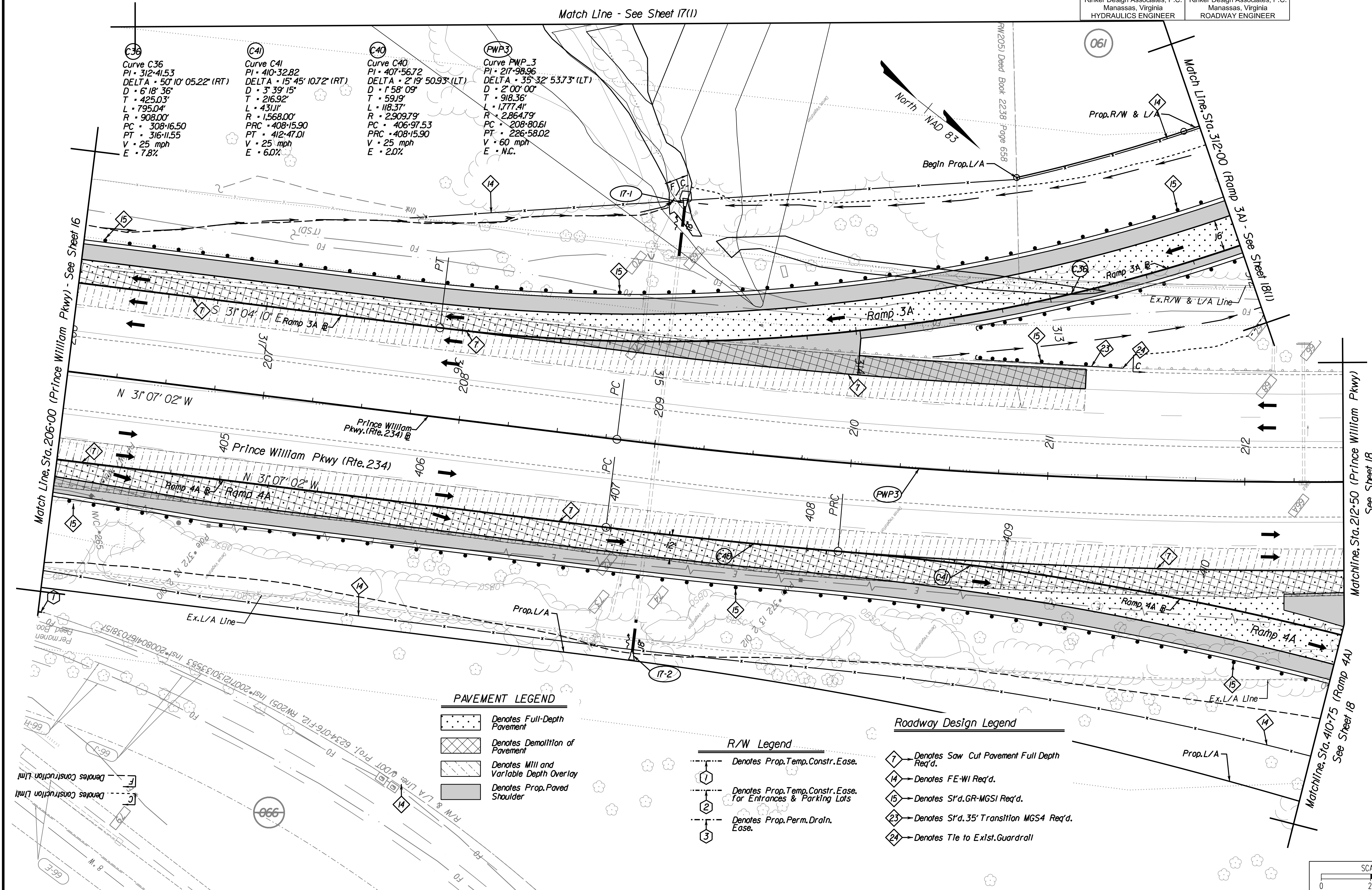
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	17
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Rinker Design Associates, P.C. Manassas, Virginia HYDRAULICS ENGINEER		Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER		

NOVA DISTRICT DESIGN UNIT

LANE Rinker Design Associates, P.C.



**PAVEMENT LEGEND**

- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

**R/W Legend**

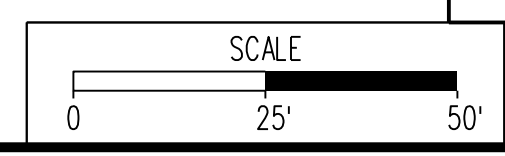
- Denotes Prop. Temp. Constr. Ease.
- Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
- Denotes Prop. Perm. Drain. Ease.

**Roadway Design Legend**

- Denotes Saw Cut Pavement Full Depth Req'd.
- Denotes FE-WI Req'd.
- Denotes S'd. GR-MGS1 Req'd.
- Denotes S'd. 35' Transition MGS4 Req'd.
- Denotes Tie to Exist. Guardrail

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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile Route 234	17A
Profile DDI & Ramps	25 Series



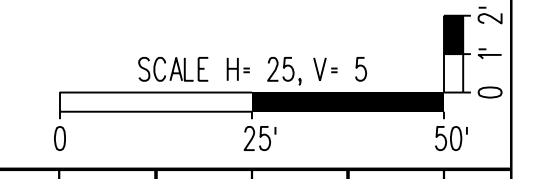
VDOT PROJECT 6234-076-266	SHEET NO. 17
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PH PLAN

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

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

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	17A

*Profile Sheet  
 Prince William Pkwy.  
 Sta. 206+00 to 212+50*

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

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



NOVA DISTRICT DESIGN UNIT  
**LANE**  
  
 Rinker Design Associates, P.C.  
  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

PH PLAN

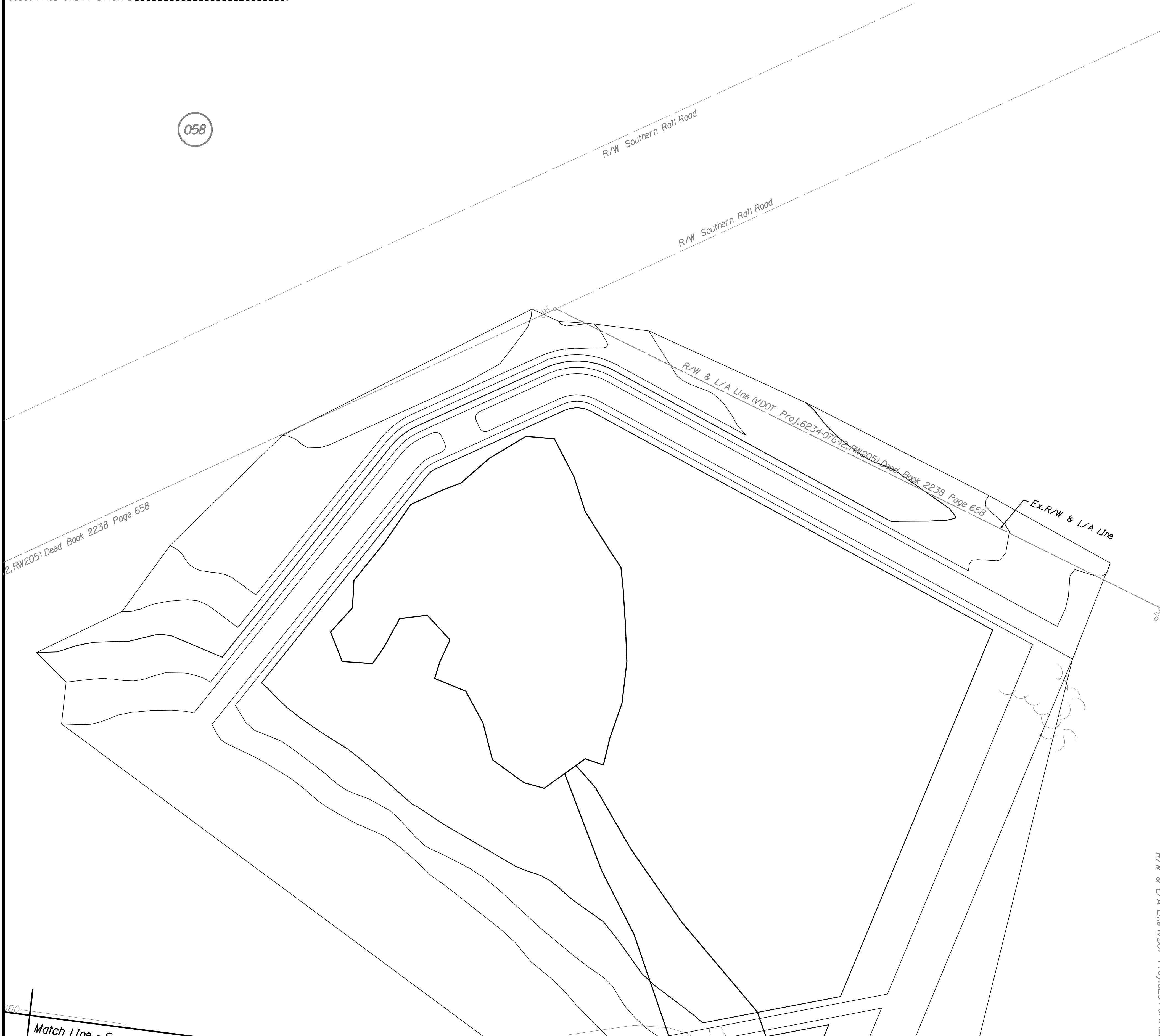
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT-OF-WAY.

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

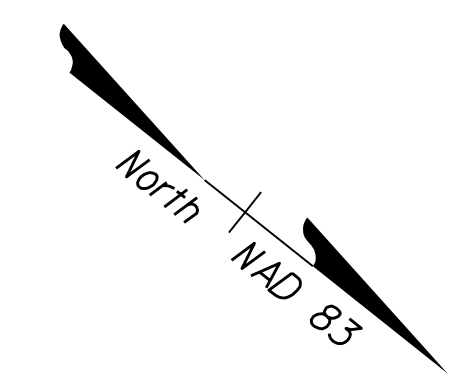
PROJECT MANAGER PWC, DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE		
		621	6234-076-266, C-501, RW-201	17(1)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Rinker Design Associates, P.C. Manassas, Virginia HYDRAULICS ENGINEER		Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER		

NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services  
 Office Locations: Manassas, VA; Fairfax, VA; Falls Church, VA; Herndon, VA; Reston, VA; Springfield, VA; Washington, DC

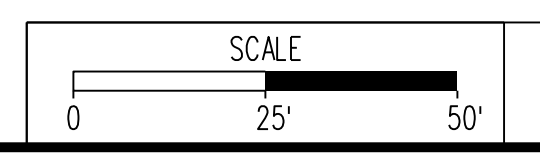


- R/W Legend**
- Denotes Prop. Temp. Constr. Ease.
  - Denotes Prop. Temp. Constr. Ease for Entrances & Parking Lots
  - Denotes Prop. Perm. Drain. Ease.
  - Denotes Construction Limits In Cuts
  - Denotes Construction Limits In Fills



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

Property Owner Information	1311, 1021
Survey Control Data Sheet	1F - 1F12
Typical Sections	2A - 2A61



VDOT PROJECT 6234-076-266	SHEET NO. 17(1)
------------------------------	--------------------

PH PLAN THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT-OF-WAY. ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

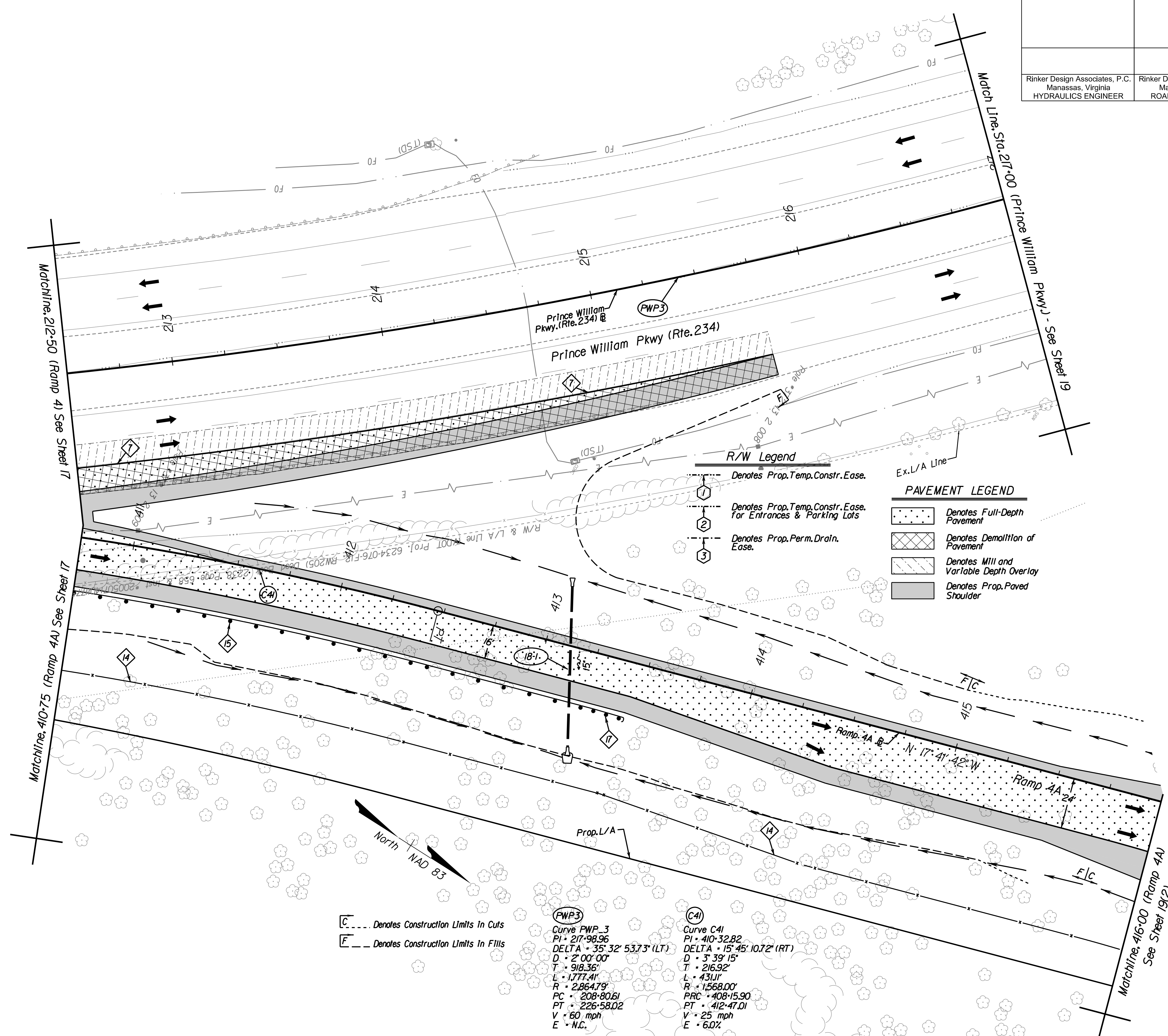
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	18
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Rinker Design Associates, P.C. Manassas, Virginia HYDRAULICS ENGINEER		Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER		

Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services



NOVA DISTRICT DESIGN UNIT



**R/W Legend**

- Denotes Prop. Temp. Constr. Ease.
- Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
- Denotes Prop. Perm. Drain. Ease.

**PAVEMENT LEGEND**

- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

**(C)** --- Denotes Construction Limits In Cuts  
**(E)** --- Denotes Construction Limits In Fills

**(FWP3)**  
 Curve FWP\_3  
 PI - 217-98.96  
 DELTA - 35° 32' 53.73" (LT)  
 D - 2' 00" 00"  
 T - 918.36'  
 L - 1777.41'  
 R - 2864.79'  
 PC - 208-80.61  
 PT - 226-58.02  
 V - 60 mph  
 E - N.C.

**(C4)**  
 Curve C41  
 PI - 410-32.82  
 DELTA - 15° 45' 10.72" (RT)  
 D - 3' 39" 15"  
 T - 216.92'  
 L - 431.11'  
 R - 1568.00'  
 PRC - 408-15.90  
 PT - 412-47.01  
 V - 25 mph  
 E - 6.0%

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

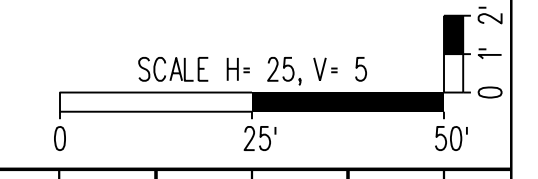
Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2M(6)
Profile Route 234	18A
Profile DDI & Ramps	25 Series

SCALE 0 25' 50'

VDOT PROJECT 6234-076-266 SHEET NO. 18

PH PLAN THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT-OF-WAY. ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 11, 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



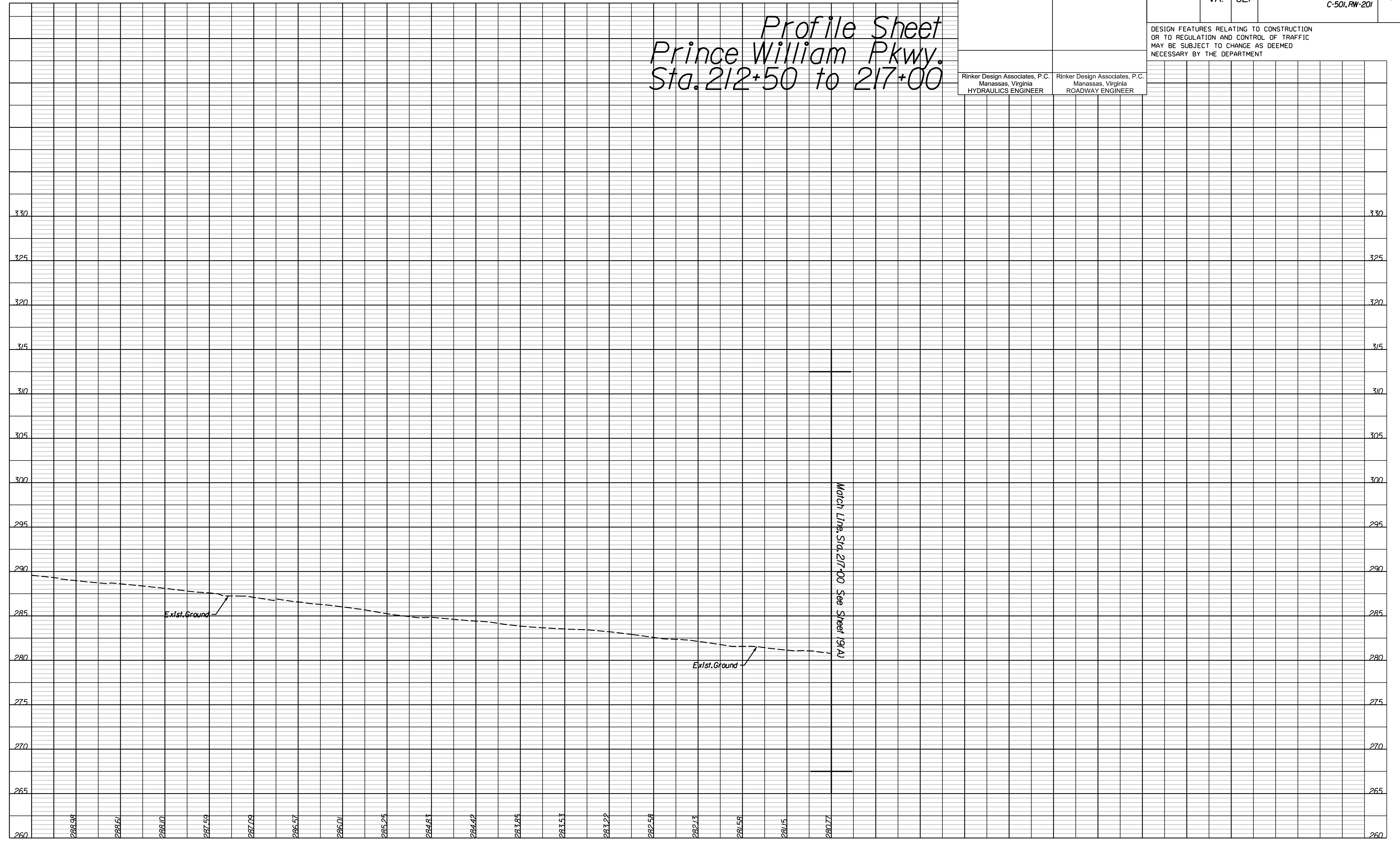
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	18A

*Profile Sheet  
 Prince William Pkwy.  
 Sta. 212+50 to 217+00*

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

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



PH PLAN

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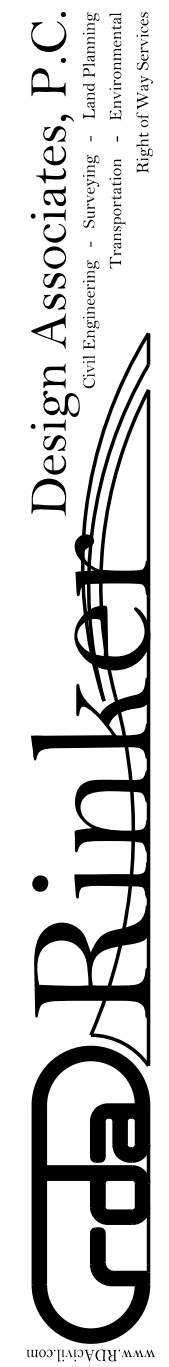
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

VDOT PROJECT  
 6234-076-266  
 PWC PROJECT  
 SPR2019-00101

SHEET NO.  
 18A



NOVA DISTRICT DESIGN UNIT



Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Vienna, VA  
 Woodbridge, VA



PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	18(1)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Rinker Design Associates, P.C. Manassas, Virginia HYDRAULICS ENGINEER		Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER		

NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker  
 Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services  
 Manassas, VA  
 (703) 368-7373  
 www.rinker.com

**Roadway Design Legend**

- ⑭ Denotes FE-WI Req'd.
- ⑮ Denotes SR'd, GR-MGSI Req'd.
- ⑯ Denotes SR'd, GR-MGS2 Req'd.

┌── Denotes Construction Limits In Cuts  
 └── Denotes Construction Limits In Fills

**PAVEMENT LEGEND**

- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

**R/W Legend**

- ① Denotes Prop. Temp. Constr. Ease.
- ② Denotes Prop. Temp. Constr. Ease. For Entrances & Parking Lots
- ③ Denotes Prop. Perm. Drain. Ease.

Curve C36  
 PI - 312+41.53  
 DELTA - 50° 10' 05.22" (RT)  
 D - 6' 18" 36"  
 T - 425.03'  
 L - 795.04'  
 R - 908.00'  
 PC - 308+16.50  
 PT - 316+11.55  
 V - 25 mph  
 E - 7.8%

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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile DDI & Ramps	25 Series

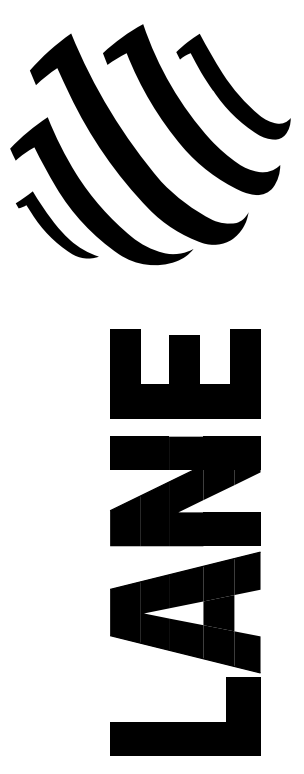
SCALE 0 25' 50'

VDOT PROJECT 6234-076-266 SHEET NO. 18(1)

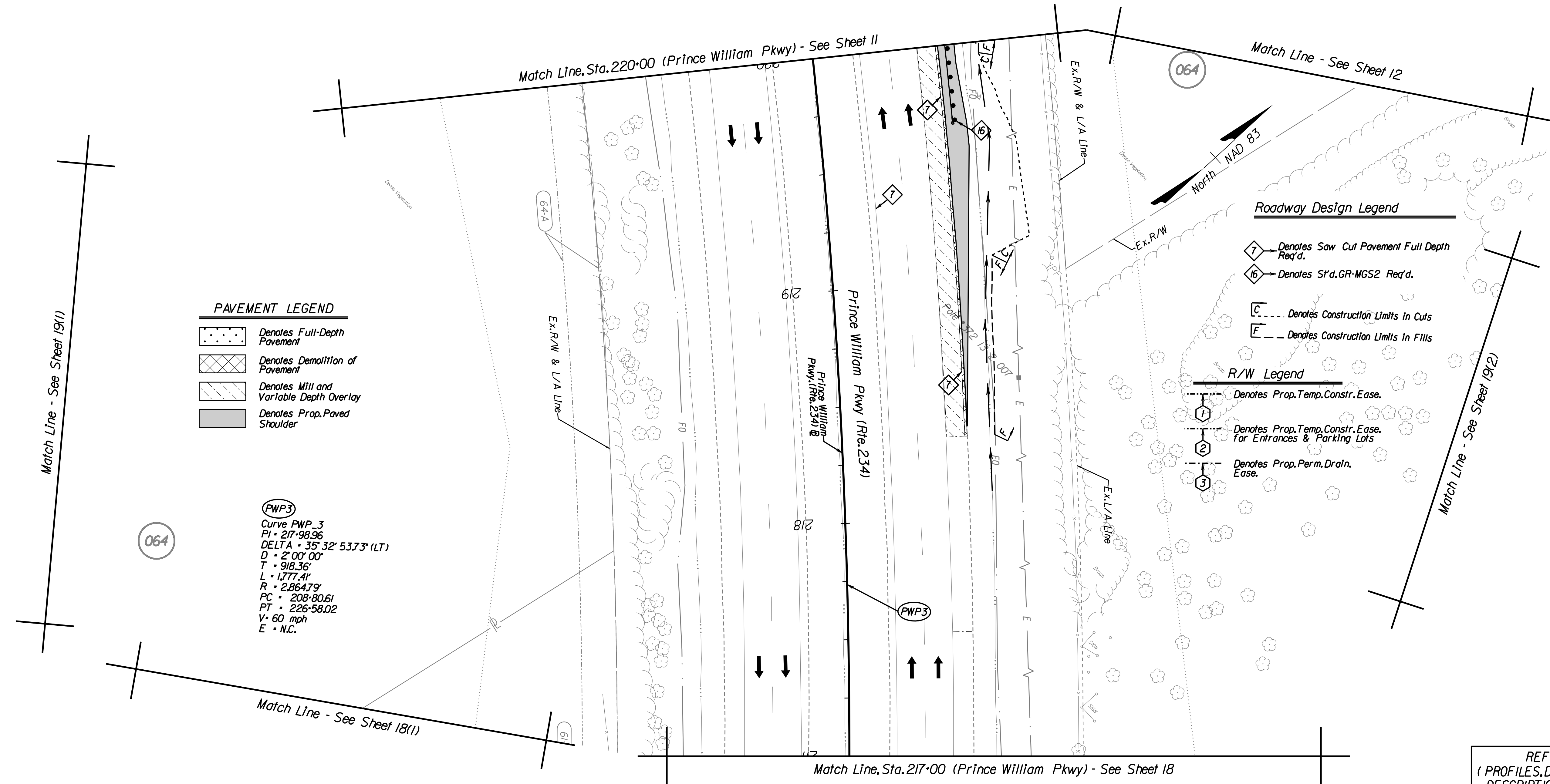
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE		
		621	6234-076-266, C-501, RW-201	19
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Rinker Design Associates, P.C. Manassas, Virginia HYDRAULICS ENGINEER		Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER		

NOVA DISTRICT DESIGN UNIT  
 Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services



Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Vienna, VA  
 Winchester, VA



**PAVEMENT LEGEND**

	Denotes Full-Depth Pavement
	Denotes Demolition of Pavement
	Denotes Mill and Variable Depth Overlay
	Denotes Prop. Paved Shoulder

**Roadway Design Legend**

	Denotes Saw Cut Pavement Full Depth Req'd.
	Denotes S/d. GR-MGS2 Req'd.
	Denotes Construction Limits In Cuts
	Denotes Construction Limits In Fills

**R/W Legend**

	Denotes Prop. Temp. Constr. Ease.
	Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
	Denotes Prop. Perm. Drain. Ease.

**(FWP3)**  
 Curve FWP\_3  
 PI = 217+98.96  
 DELTA = 35° 32' 53.73" (LT)  
 D = 2' 00" 00"  
 T = 918.36'  
 L = 1777.41'  
 R = 2,864.79'  
 PC = 208+80.61  
 PT = 226+58.02  
 V = 60 mph  
 E = N.C.

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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile Route 234	19A

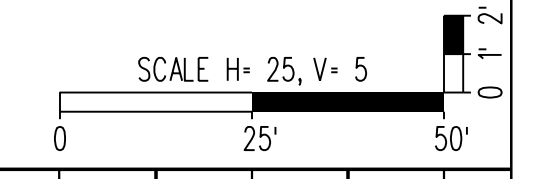
SCALE 0 25' 50'	VDOT PROJECT 6234-076-266	SHEET NO. 19
--------------------	------------------------------	-----------------

PH PLAN

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

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

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 11, 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	19A

*Profile Sheet  
 Prince William Pkwy.  
 Sta. 217+00 to 220+00*

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

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



NOVA DISTRICT DESIGN UNIT

**LANE**

**Rinker**

Design Associates, P.C.

www.Rinker.com

Office Locations

Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Washington, DC

PH PLAN

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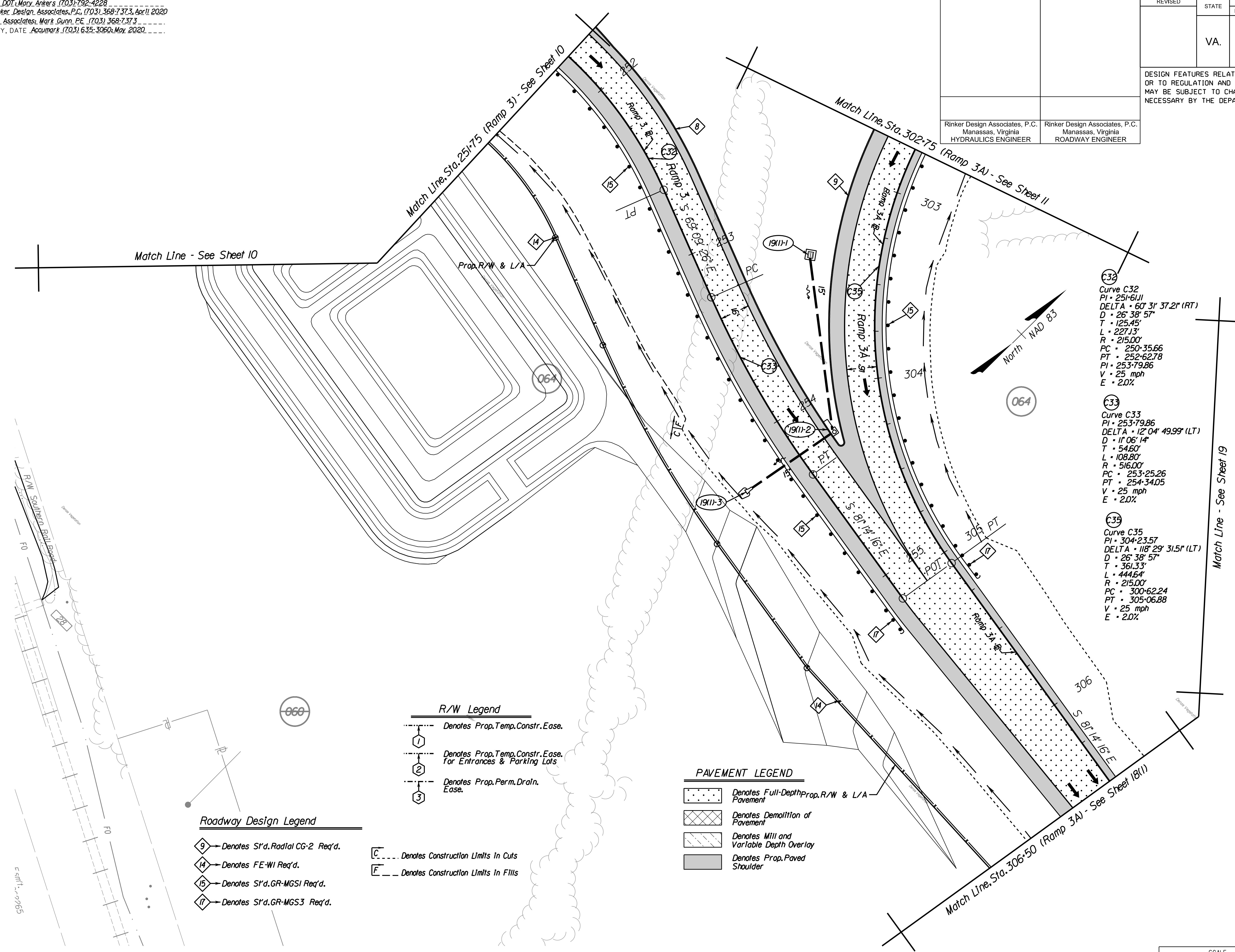
VDOT PROJECT  
 6234-076-266  
 PWC PROJECT  
 SPR2019-00101

SHEET NO.  
 19A

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	19(1)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Rinker Design Associates, P.C. Manassas, Virginia HYDRAULICS ENGINEER		Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER		

NOVA DISTRICT DESIGN UNIT  
**LANE**  
  
 Rinker Design Associates, P.C.  
  
 Office Locations: Manassas, VA; Fairfax, VA; Falls Church, VA; Herndon, VA; Reston, VA; Springfield, VA; Washington, DC



**Curve C32**  
 PI - 251+61.11  
 DELTA - 60° 31' 37.2" (RT)  
 D - 26° 38' 57"  
 T - 125.45'  
 L - 227.13'  
 R - 215.00'  
 PC - 250+35.66  
 PT - 252+62.78  
 PI - 253+79.86  
 V - 25 mph  
 E - 2.0%

**Curve C33**  
 PI - 253+79.86  
 DELTA - 12° 04' 49.99" (LT)  
 D - 11° 06' 14"  
 T - 54.60'  
 L - 108.80'  
 R - 516.00'  
 PC - 253+25.26  
 PT - 254+34.05  
 V - 25 mph  
 E - 2.0%

**Curve C35**  
 PI - 304+23.57  
 DELTA - 118° 29' 31.5" (LT)  
 D - 26° 38' 57"  
 T - 361.33'  
 L - 444.64'  
 R - 215.00'  
 PC - 300+62.24  
 PT - 305+06.88  
 V - 25 mph  
 E - 2.0%

**Roadway Design Legend**

- 9 → Denotes S'd. Radial CG-2 Req'd.
- 14 → Denotes FE-WI Req'd.
- 15 → Denotes S'd. GR-MGS1 Req'd.
- 17 → Denotes S'd. GR-MGS3 Req'd.

**R/W Legend**

- Denotes Prop. Temp. Constr. Ease.
- ① Denotes Prop. Temp. Constr. Ease. For Entrances & Parking Lots
- ② Denotes Prop. Perm. Drain. Ease.
- ③

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

**PAVEMENT LEGEND**

- Denotes Full-Depth Prop. R/W & L/A Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile DDI & Ramps	25 Series

SCALE 0 25' 50'

VDOT PROJECT 6234-076-266 SHEET NO. 19(1)

PROJECT MANAGER PWC, DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	19(2)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Rinker Design Associates, P.C. Manassas, Virginia HYDRAULICS ENGINEER		Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER		

NOVA DISTRICT DESIGN UNIT

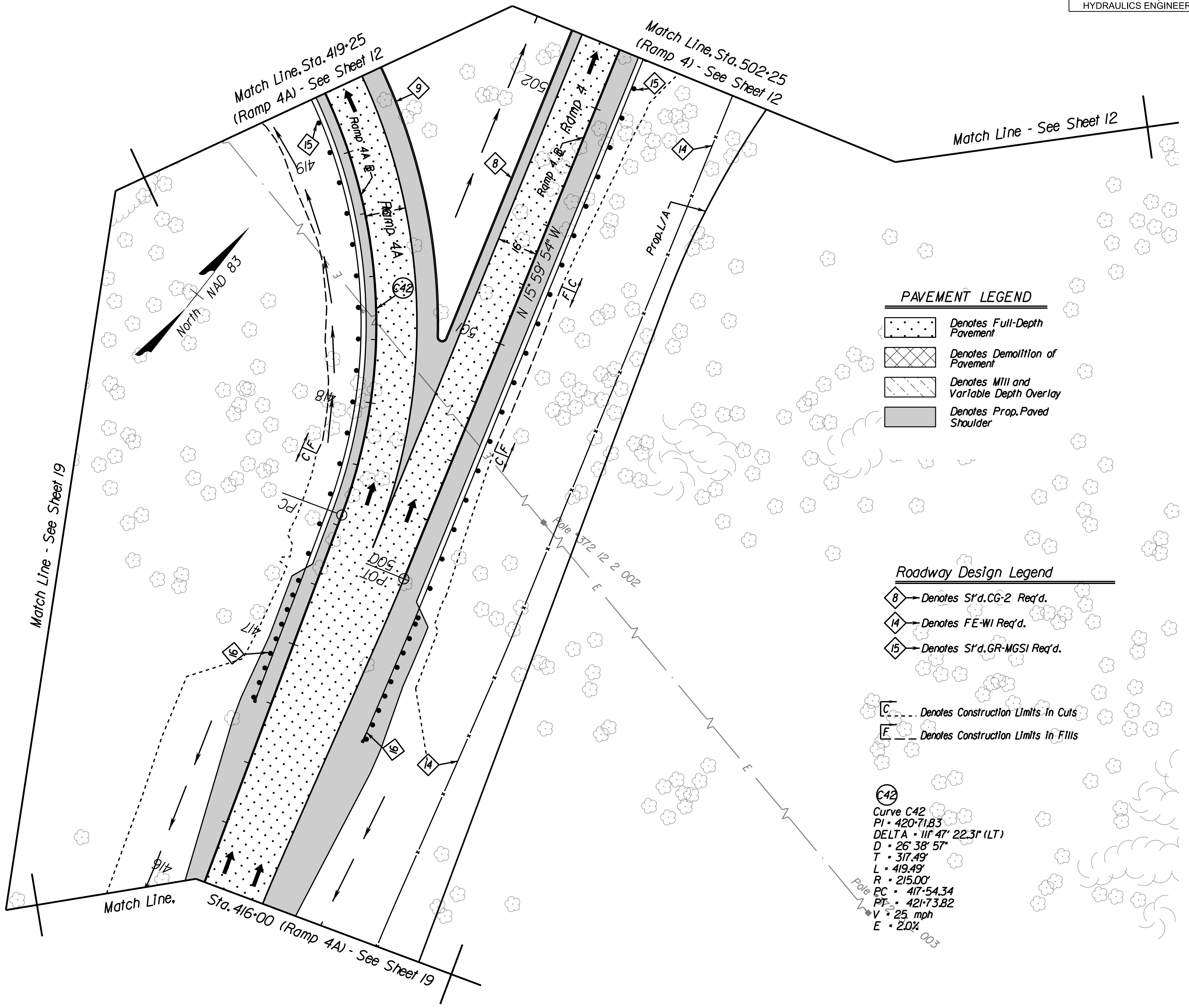
LANE

Rinker

Design Associates, P.C.

Civil Engineering - Surveying - Land Planning - Transportation - Right of Way Services

Office Locations: Manassas, VA, Fairfax, VA, Falls Church, VA, Herndon, VA, Reston, VA, Springfield, VA, Washington, DC



**PAVEMENT LEGEND**

	Denotes Full-Depth Pavement
	Denotes Demolition of Pavement
	Denotes Mill and Variable Depth Overlay
	Denotes Prop. Paved Shoulder

**Roadway Design Legend**

	Denotes S'd. CG-2 Req'd.
	Denotes FE-WI Req'd.
	Denotes S'd. GR-MGSI Req'd.
	Denotes Construction Limits in Cuts
	Denotes Construction Limits in Fills

**C42**  
 Curve C42  
 PI = 420+71.83  
 DELTA = 111° 47' 22.3" (LT)  
 D = 26' 38" 57"  
 T = 317.49'  
 L = 419.49'  
 R = 215.00'  
 PC = 417+54.34  
 PT = 421+73.82  
 V = 25 mph  
 E = 2.0%

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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile DDI & Ramps	25 Series

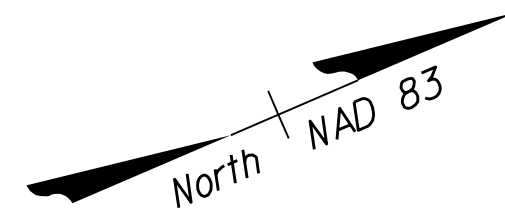
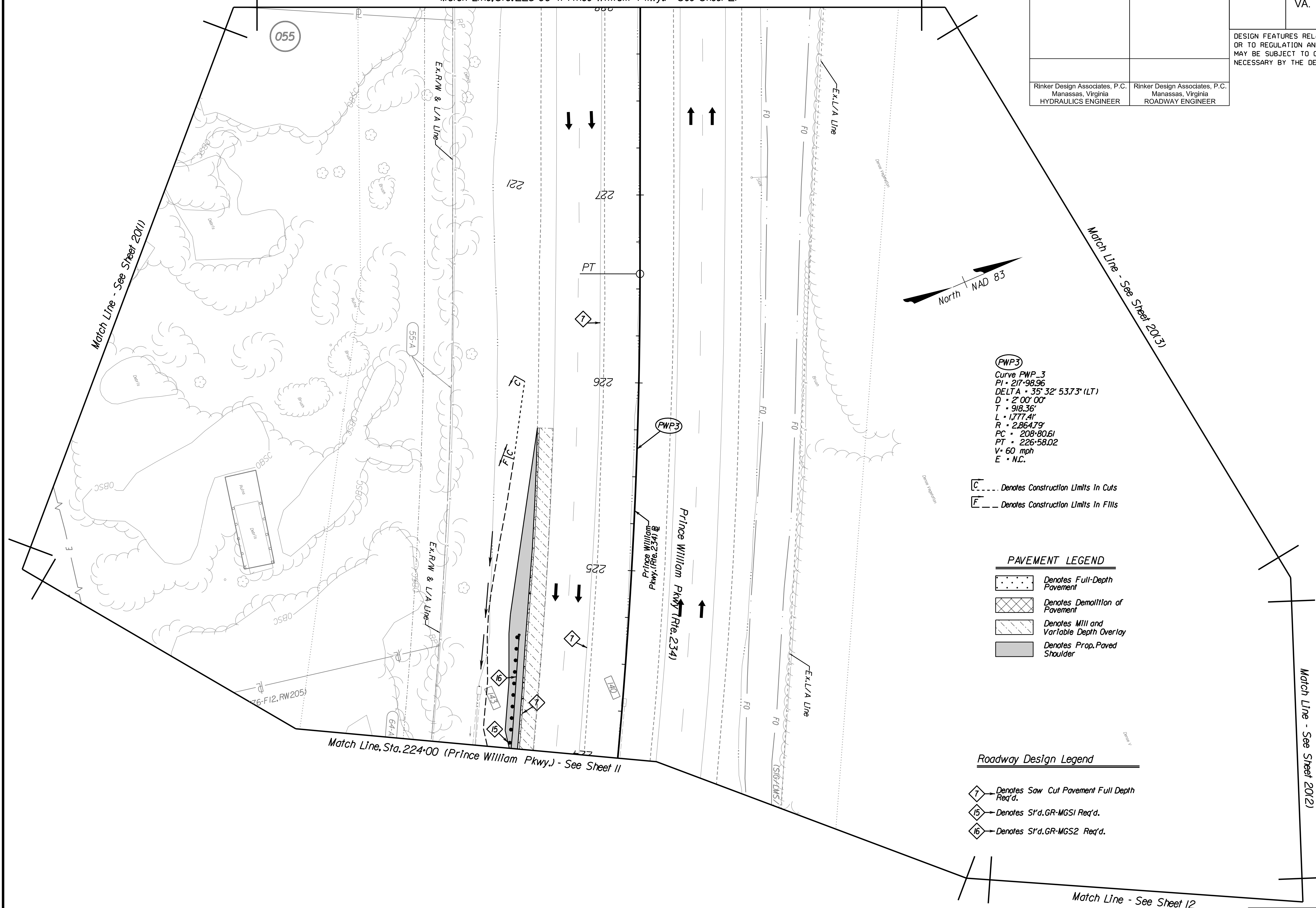
SCALE 0 25' 50'	VDOT PROJECT 6234-076-266	SHEET NO. 19(2)
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PH PLAN THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT-OF-WAY. ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

PROJECT MANAGER PWC\_DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

Match Line, Sta. 228+00 (Prince William Pkwy.) - See Sheet 21

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	20
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Rinker Design Associates, P.C. Manassas, Virginia HYDRAULICS ENGINEER			Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER		



**(FWP3)**  
 Curve FWP\_3  
 PI - 217+98.96  
 DELTA - 35° 32' 53.73" (LT)  
 D - 2' 00' 00"  
 T - 918.36'  
 L - 1,777.41'  
 R - 2,864.79'  
 PC - 208+80.61  
 PT - 226+58.02  
 V - 60 mph  
 E - N.C.

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

**PAVEMENT LEGEND**

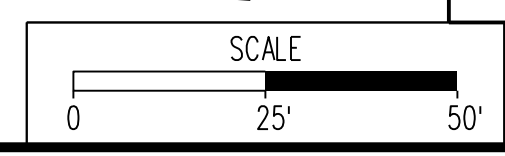
- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

**Roadway Design Legend**

- Denotes Saw Cut Pavement Full Depth Req'd.
- Denotes S'd, GR-MGS1 Req'd.
- Denotes S'd, GR-MGS2 Req'd.

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

Property Owner Information IC(1), IC(2)  
 Survey Control Data Sheet IF - IF(2)  
 Typical Sections 2A - 2A(6)  
 Profile Route 234 20A

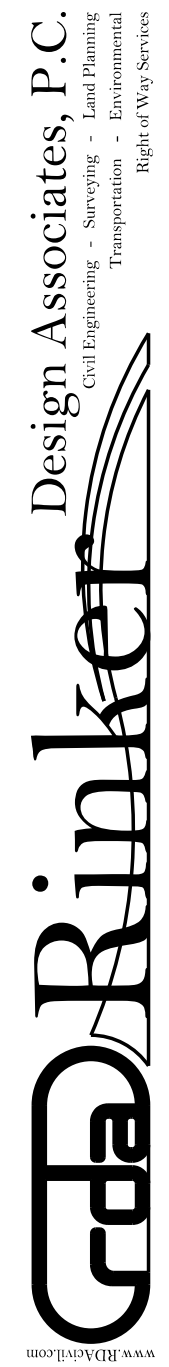


VDOT PROJECT 6234-076-266	SHEET NO. 20
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PH PLAN

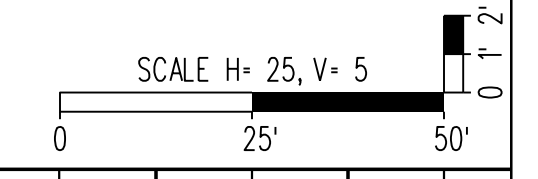
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT-OF-WAY.

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



NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



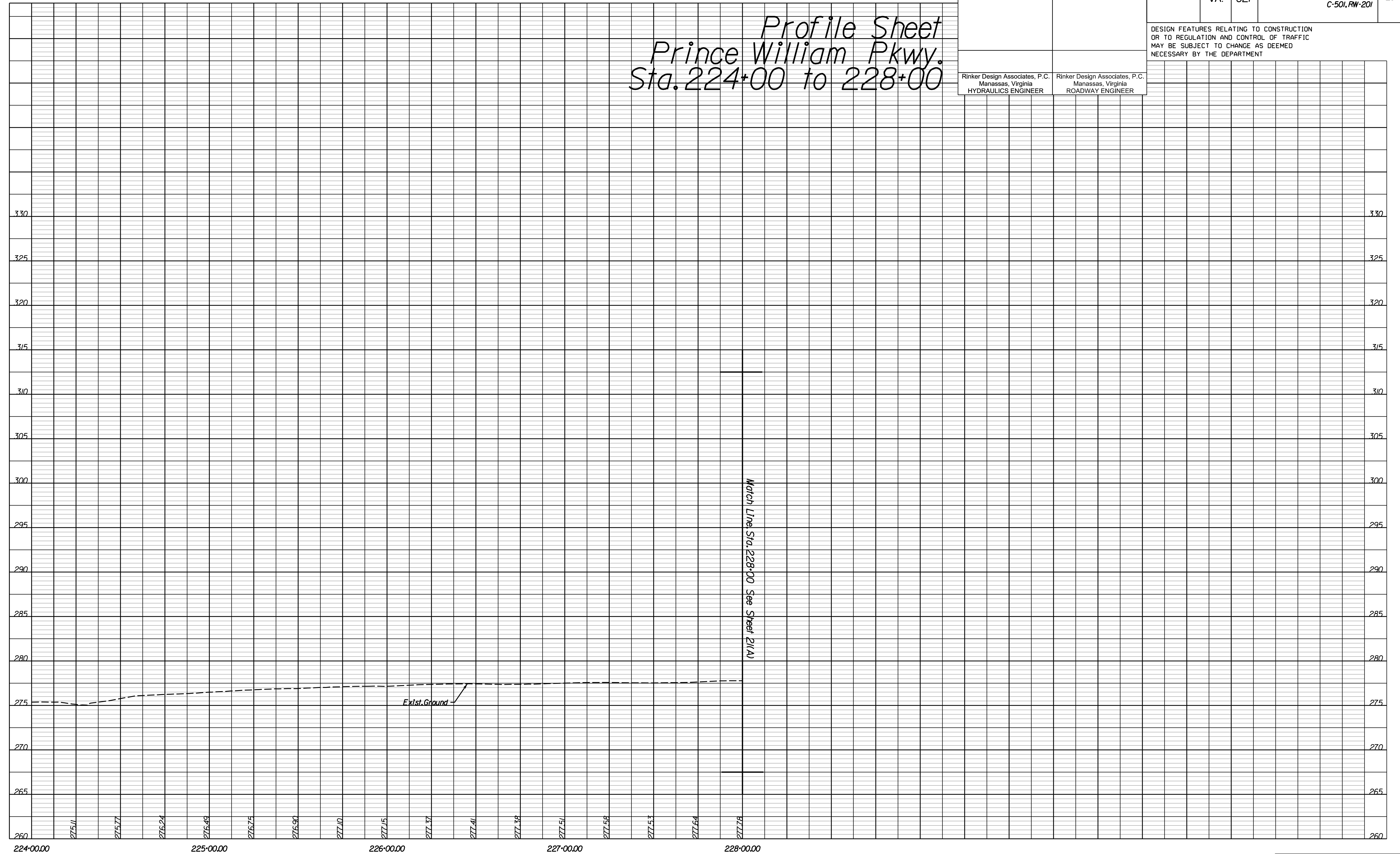
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	20A

*Profile Sheet  
 Prince William Pkwy.  
 Sta. 224+00 to 228+00*

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

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



NOVA DISTRICT DESIGN UNIT

**LANE**

**Rinker**

Design Associates, P.C.

www.Rinker.com

Office Locations

Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Washington, DC

PH PLAN

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

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

VDOT PROJECT  
 6234-076-266  
 PWC PROJECT  
 SPR2019-00101

SHEET NO.  
 20A

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	20(1)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

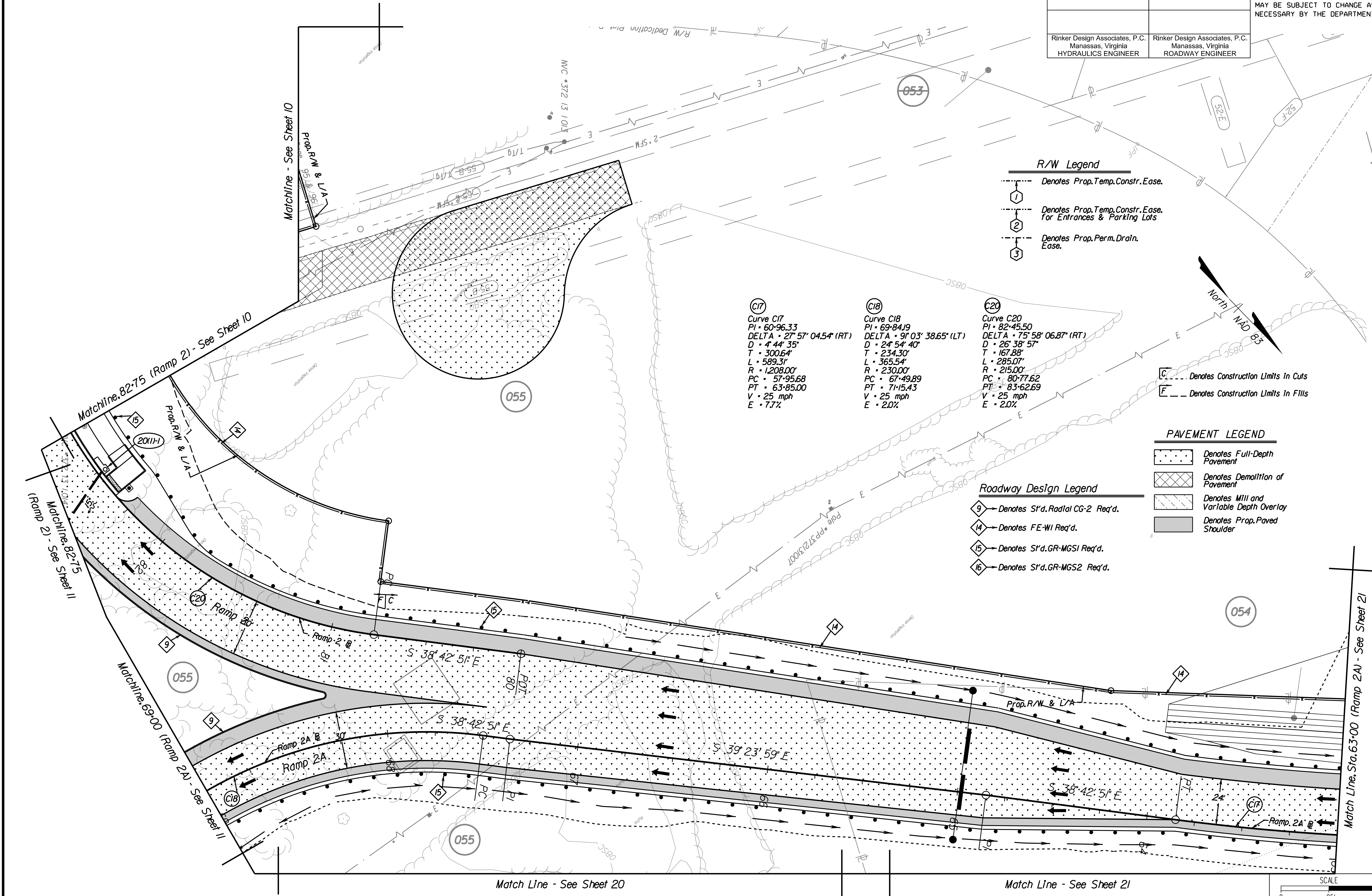
- R/W Legend**
- ① Denotes Prop. Temp. Constr. Ease.
  - ② Denotes Prop. Temp. Constr. Ease for Entrances & Parking Lots
  - ③ Denotes Prop. Perm. Drain. Ease.

- Curve C17**  
 PI • 60-96.33  
 DELTA • 27° 57' 04.54" (RT)  
 D • 4' 44' 35"  
 T • 300.64'  
 L • 589.31'  
 R • 1208.00'  
 PC • 57-95.68  
 PT • 63-85.00  
 V • 25 mph  
 E • 7.7%
- Curve C18**  
 PI • 69-84.19  
 DELTA • 9° 03' 38.65" (LT)  
 D • 24' 54' 40"  
 T • 234.30'  
 L • 365.54'  
 R • 230.00'  
 PC • 67-49.89  
 PT • 71-15.43  
 V • 25 mph  
 E • 2.0%
- Curve C20**  
 PI • 82-45.50  
 DELTA • 75° 58' 06.87" (RT)  
 D • 26' 38' 57"  
 T • 167.88'  
 L • 285.07'  
 R • 215.00'  
 PC • 80-77.62  
 PT • 83-62.69  
 V • 25 mph  
 E • 2.0%

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

- PAVEMENT LEGEND**
- ⊔ Denotes Full-Depth Pavement
  - ⊔ Denotes Demolition of Pavement
  - ⊔ Denotes Mill and Variable Depth Overlay
  - ⊔ Denotes Prop. Paved Shoulder

- Roadway Design Legend**
- ⑨ Denotes S'd. Radial CG-2 Req'd.
  - ⑭ Denotes FE-WI Req'd.
  - ⑮ Denotes S'd. GR-MGS1 Req'd.
  - ⑯ Denotes S'd. GR-MGS2 Req'd.



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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile DDI & Ramps	25 Series

VDOT PROJECT 6234-076-266	SHEET NO. 20(1)
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PH PLAN

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

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

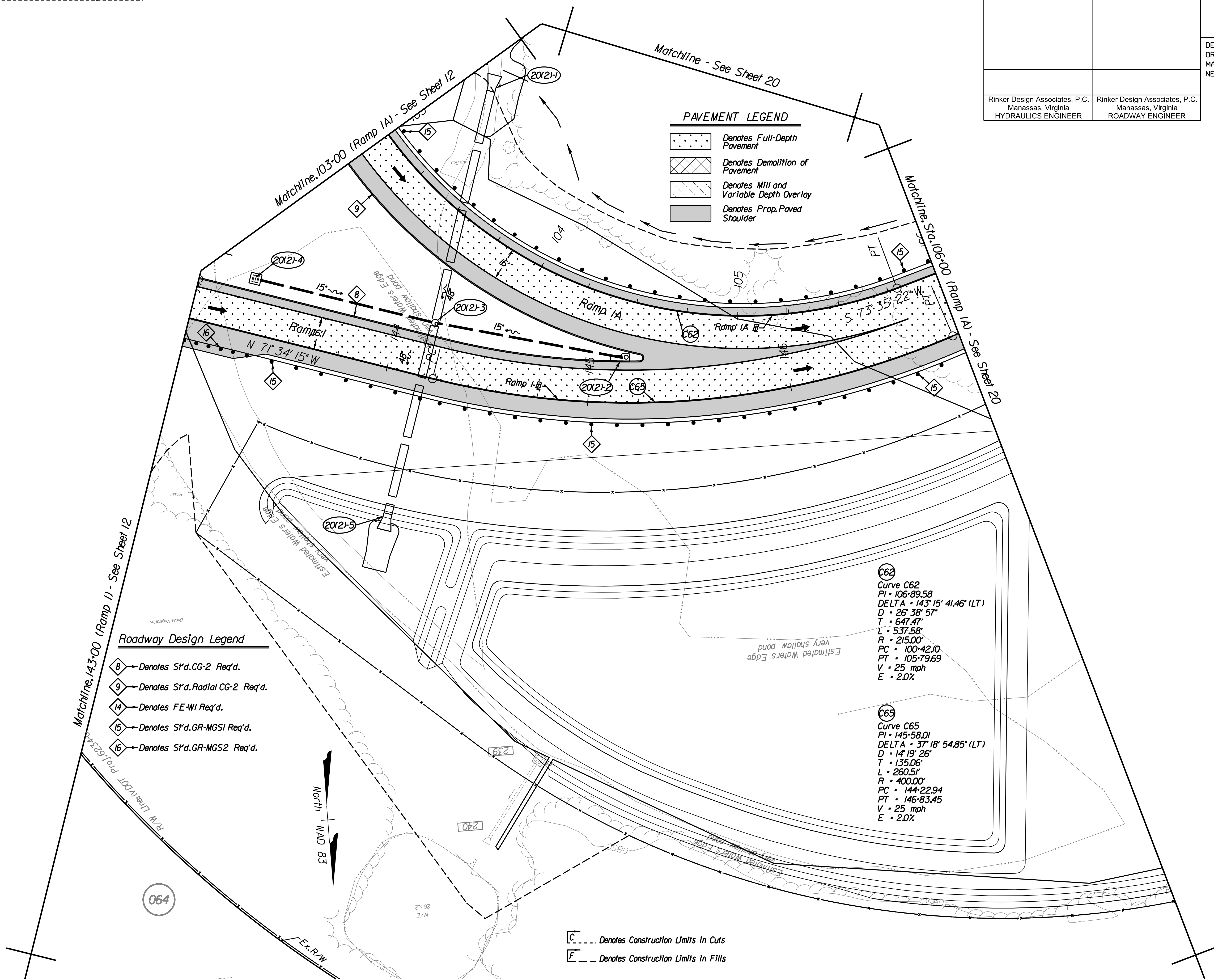
NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services  
 Office Locations:  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Vienna, VA  
 Washington, DC



PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	20(2)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Rinker Design Associates, P.C. Manassas, Virginia HYDRAULICS ENGINEER		Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER		

NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services  
 Office Locations: Manassas, VA; Fairfax, VA; Falls Church, VA; Herndon, VA; Reston, VA; Springfield, VA; Washington, DC



**PAVEMENT LEGEND**

- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

**Roadway Design Legend**

- 8 - Denotes S'd. CG-2 Req'd.
- 9 - Denotes S'd. Radial CG-2 Req'd.
- 14 - Denotes FE-WI Req'd.
- 15 - Denotes S'd. GR-MGS1 Req'd.
- 16 - Denotes S'd. GR-MGS2 Req'd.

**C62**  
 Curve C62  
 PI - 106+89.58  
 DELTA - 143° 15' 41.46" (LT)  
 D - 26° 38' 57"  
 T - 647.47'  
 L - 537.58'  
 R - 215.00'  
 PC - 100+42.10  
 PT - 105+79.69  
 V - 25 mph  
 E - 2.0%

**C65**  
 Curve C65  
 PI - 145+58.01  
 DELTA - 37° 18' 54.85" (LT)  
 D - 14° 19' 26"  
 T - 135.06'  
 L - 260.51'  
 R - 400.00'  
 PC - 144+22.94  
 PT - 146+83.45  
 V - 25 mph  
 E - 2.0%

C --- Denotes Construction Limits In Cuts  
 E --- Denotes Construction Limits In Fills

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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile DDI & Ramps	25 Series

SCALE 0 25' 50'	VDOT PROJECT 6234-076-266	SHEET NO. 20(2)
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PH PLAN

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

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

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

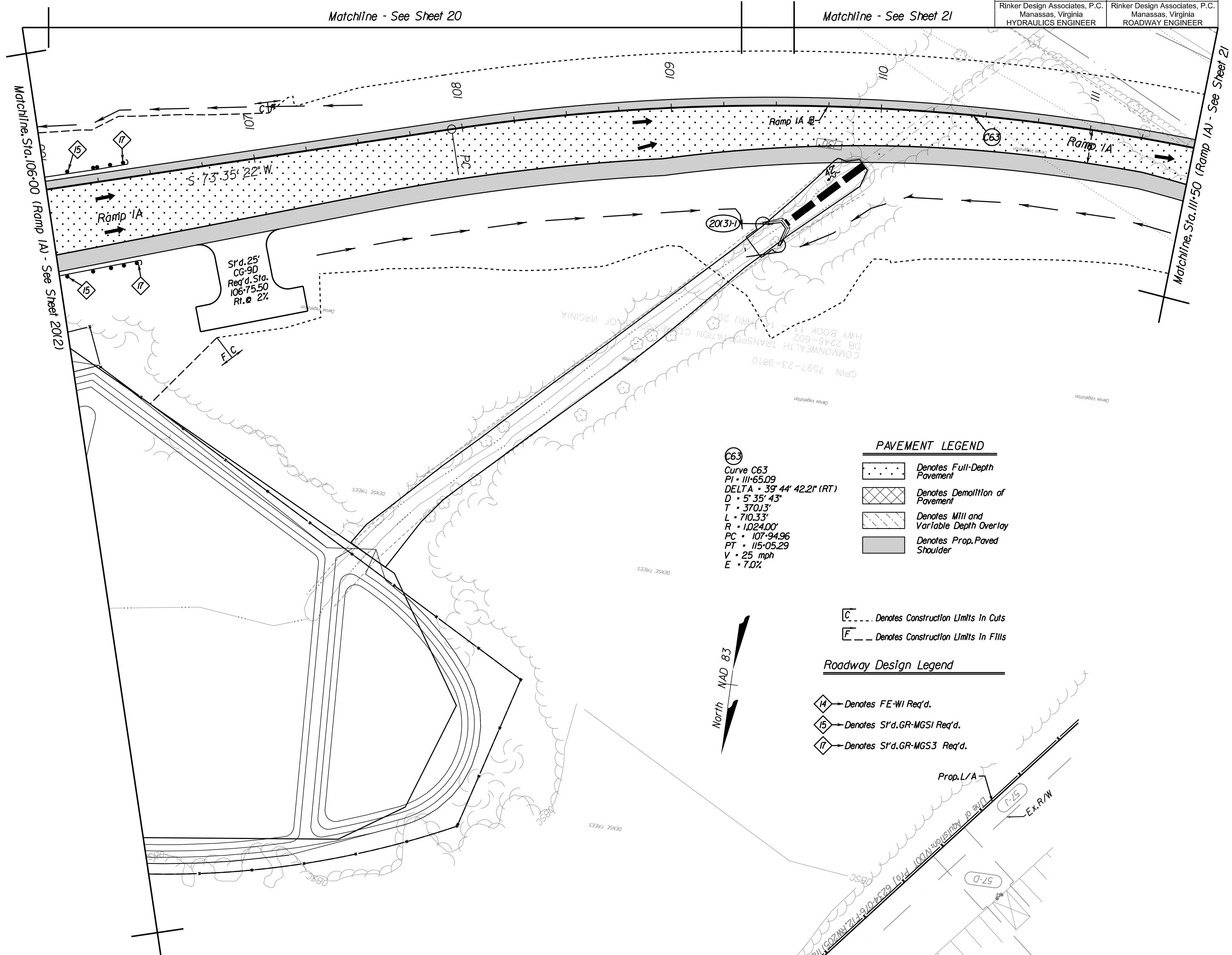
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	20(3)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker  
 Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services  
 Office Locations:  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Washington, DC



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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile DDI & Ramps	25 Series

SCALE 0 25' 50'	VDOT PROJECT 6234-076-266	SHEET NO. 20(3)
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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	21

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

- |  |   |   |
|--|---|---|
| <p><b>(C17)</b><br/>                 Curve C17<br/>                 PI - 60+96.33<br/>                 DELTA - 27° 57' 04.54" (RT)<br/>                 D - 4' 44' 35"<br/>                 T - 300.64'<br/>                 L - 589.31'<br/>                 R - 1208.00'<br/>                 PC - 57+95.68<br/>                 PT - 63+85.00<br/>                 V - 25 mph<br/>                 E - 7.7%</p> | <p><b>(C31)</b><br/>                 Curve C31<br/>                 PI - 153+32.45<br/>                 DELTA - 102° 27' 41.4" (RT)<br/>                 D - 21' 27' 33"<br/>                 T - 332.45'<br/>                 L - 477.47'<br/>                 R - 267.00'<br/>                 PC - 150+00.00<br/>                 PT - 154+77.47<br/>                 V - 25 mph<br/>                 E - 6.7%</p> | <p><b>(C63)</b><br/>                 Curve C63<br/>                 PI - 111+65.09<br/>                 DELTA - 39° 44' 42.21" (RT)<br/>                 D - 5' 35' 43"<br/>                 T - 370.13'<br/>                 L - 710.33'<br/>                 R - 1024.00'<br/>                 PC - 107+94.96<br/>                 PT - 115+05.29<br/>                 V - 25 mph<br/>                 E - 7.0%</p> |
|--|---|---|

**PAVEMENT LEGEND**

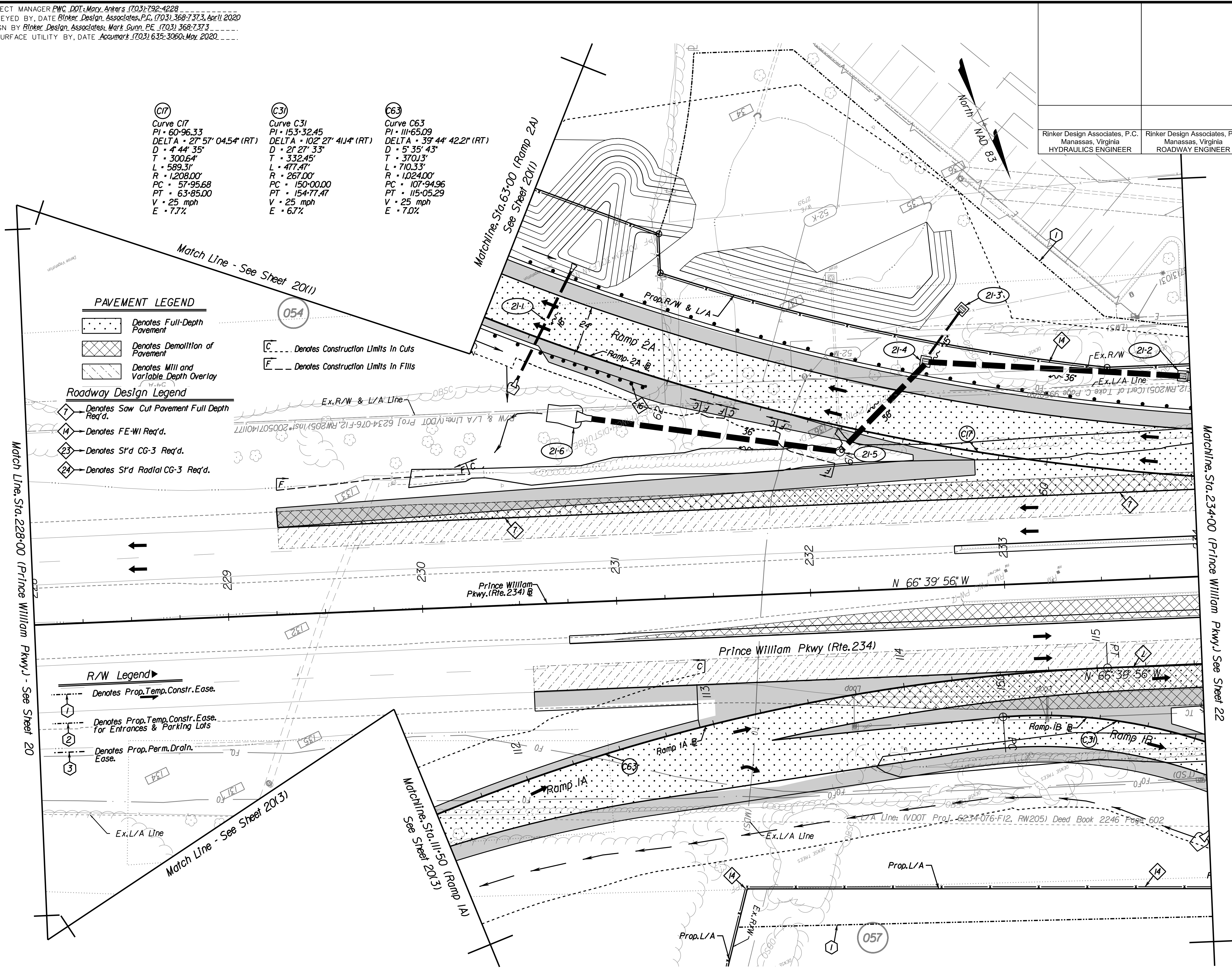
- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

**Roadway Design Legend**

- Denotes Saw Cut Pavement Full Depth Req'd.
- Denotes FE-WI Req'd.
- Denotes S'd CG-3 Req'd.
- Denotes S'd Radial CG-3 Req'd.

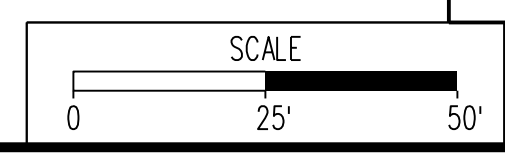
**R/W Legend**

- Denotes Prop. Temp. Constr. Ease.
- Denotes Prop. Temp. Constr. Ease. For Entrances & Parking Lots
- Denotes Prop. Perm. Drain. Ease.



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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile Route 234	21A
Profile DDI & Ramps	25 Series



VDOT PROJECT 6234-076-266 SHEET NO. 21

PH PLAN

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

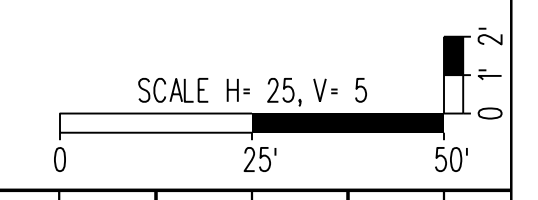
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

**LANE**

NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



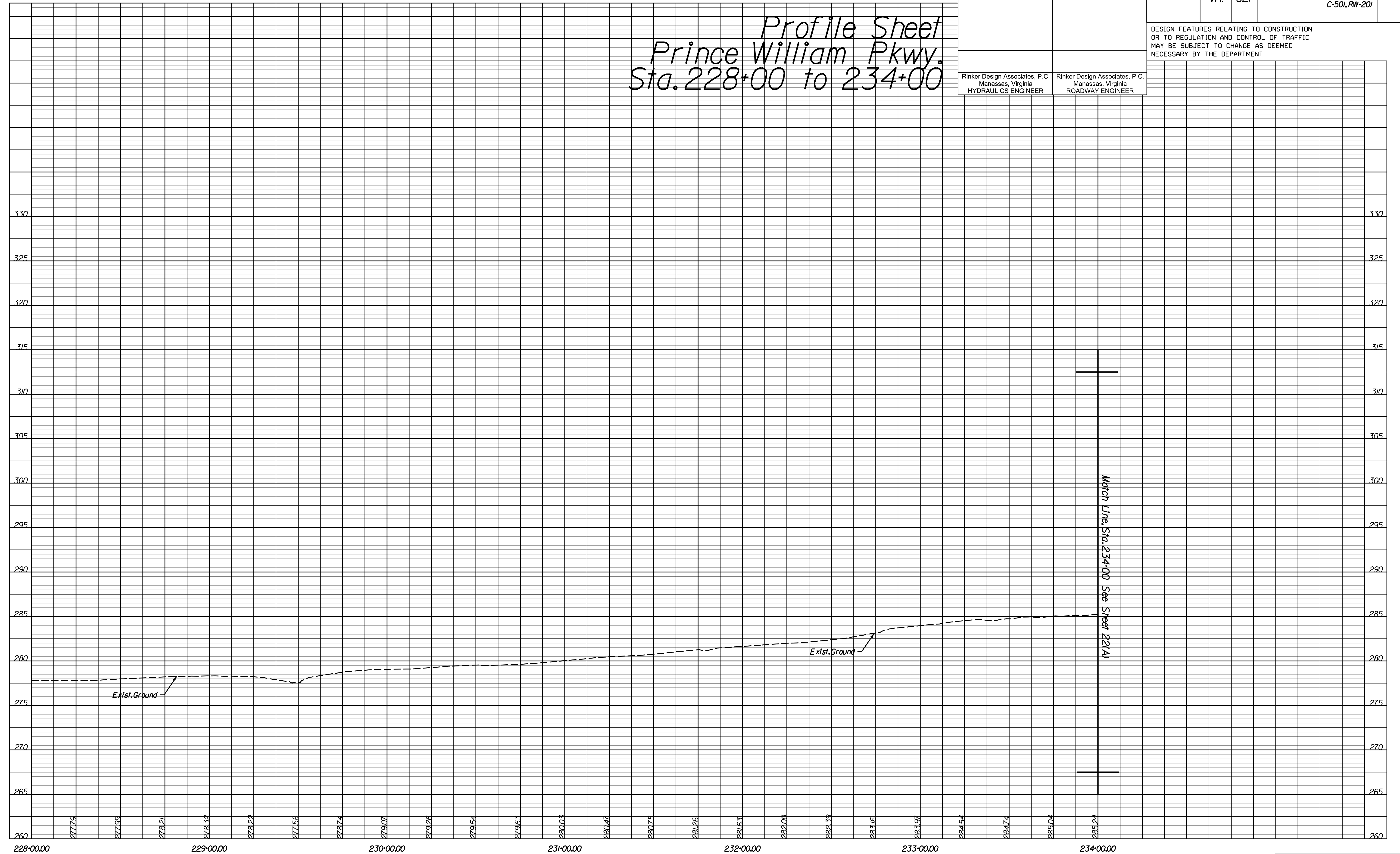
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	21A

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

*Profile Sheet  
 Prince William Pkwy.  
 Sta. 228+00 to 234+00*



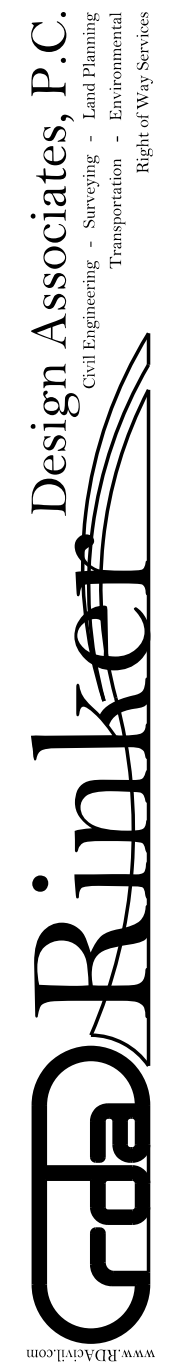
PH PLAN

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

VDOT PROJECT  
 6234-076-266  
 PWC PROJECT  
 SPR2019-00101

SHEET NO.  
 21A



Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Warrenton, OR  
 Washington, DC  
 York, PA

NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	22

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

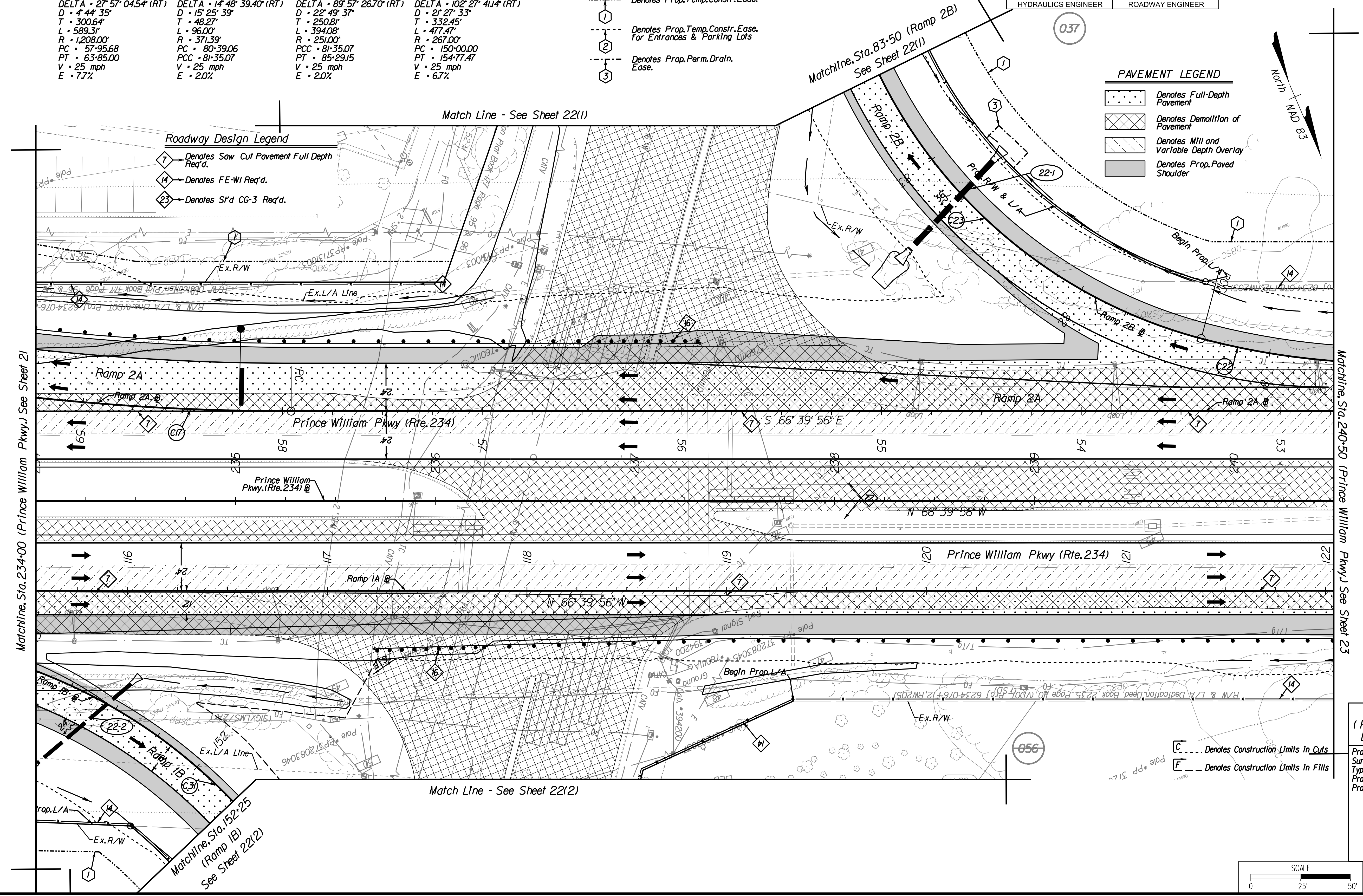
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

- |   |   |   |   |
|---|---|---|---|
| <p><b>(C17)</b><br/>                 Curve C17<br/>                 PI = 60+96.33<br/>                 DELTA = 27° 57' 04.54" (RT)<br/>                 D = 4' 44' 35"<br/>                 T = 300.64'<br/>                 L = 589.31'<br/>                 R = 1,208.00'<br/>                 PC = 57+95.68<br/>                 PT = 63+85.00<br/>                 V = 25 mph<br/>                 E = 7.7%</p> | <p><b>(C22)</b><br/>                 Curve C22<br/>                 PI = 80+87.33<br/>                 DELTA = 14° 48' 39.40" (RT)<br/>                 D = 15' 25' 39"<br/>                 T = 48.27'<br/>                 L = 96.00'<br/>                 R = 371.39'<br/>                 PC = 80+39.06<br/>                 PCC = 81+35.07<br/>                 V = 25 mph<br/>                 E = 2.0%</p> | <p><b>(C23)</b><br/>                 Curve C23<br/>                 PI = 83+85.88<br/>                 DELTA = 89° 57' 26.70" (RT)<br/>                 D = 22' 49' 37"<br/>                 T = 250.81'<br/>                 L = 394.08'<br/>                 R = 251.00'<br/>                 PCC = 81+35.07<br/>                 PT = 85+29.15<br/>                 V = 25 mph<br/>                 E = 2.0%</p> | <p><b>(C31)</b><br/>                 Curve C31<br/>                 PI = 153+32.45<br/>                 DELTA = 102° 27' 41.4" (RT)<br/>                 D = 21' 27' 33"<br/>                 T = 332.45'<br/>                 L = 477.47'<br/>                 R = 267.00'<br/>                 PC = 150+00.00<br/>                 PT = 154+77.47<br/>                 V = 25 mph<br/>                 E = 6.7%</p> |
|---|---|---|---|

- R/W Legend**
- Denotes Prop. Temp. Constr. Ease.
  - Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
  - Denotes Prop. Perm. Drain. Ease.

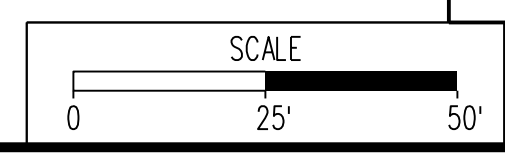
- PAVEMENT LEGEND**
- Denotes Full-Depth Pavement
  - Denotes Demolition of Pavement
  - Denotes Mill and Variable Depth Overlay
  - Denotes Prop. Paved Shoulder

- Roadway Design Legend**
- Denotes Saw Cut Pavement Full Depth Req'd.
  - Denotes FE-WI Req'd.
  - Denotes S'd CG-3 Req'd.



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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile Route 234	22A
Profile DDI & Ramps	25 Series



VDOT PROJECT 6234-076-266	SHEET NO. 22
------------------------------	-----------------

PH PLAN

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

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

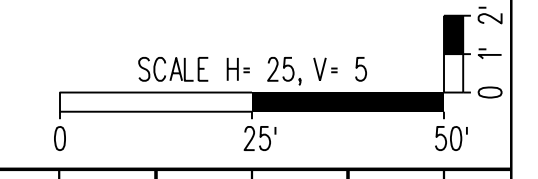
NOVA DISTRICT DESIGN UNIT



Rinker Design Associates, P.C.

Office Locations: Manassas, VA; Fairfax, VA; Falls Church, VA; Herndon, VA; Reston, VA; Tyngsboro, VA; Washington, DC

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 11, 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



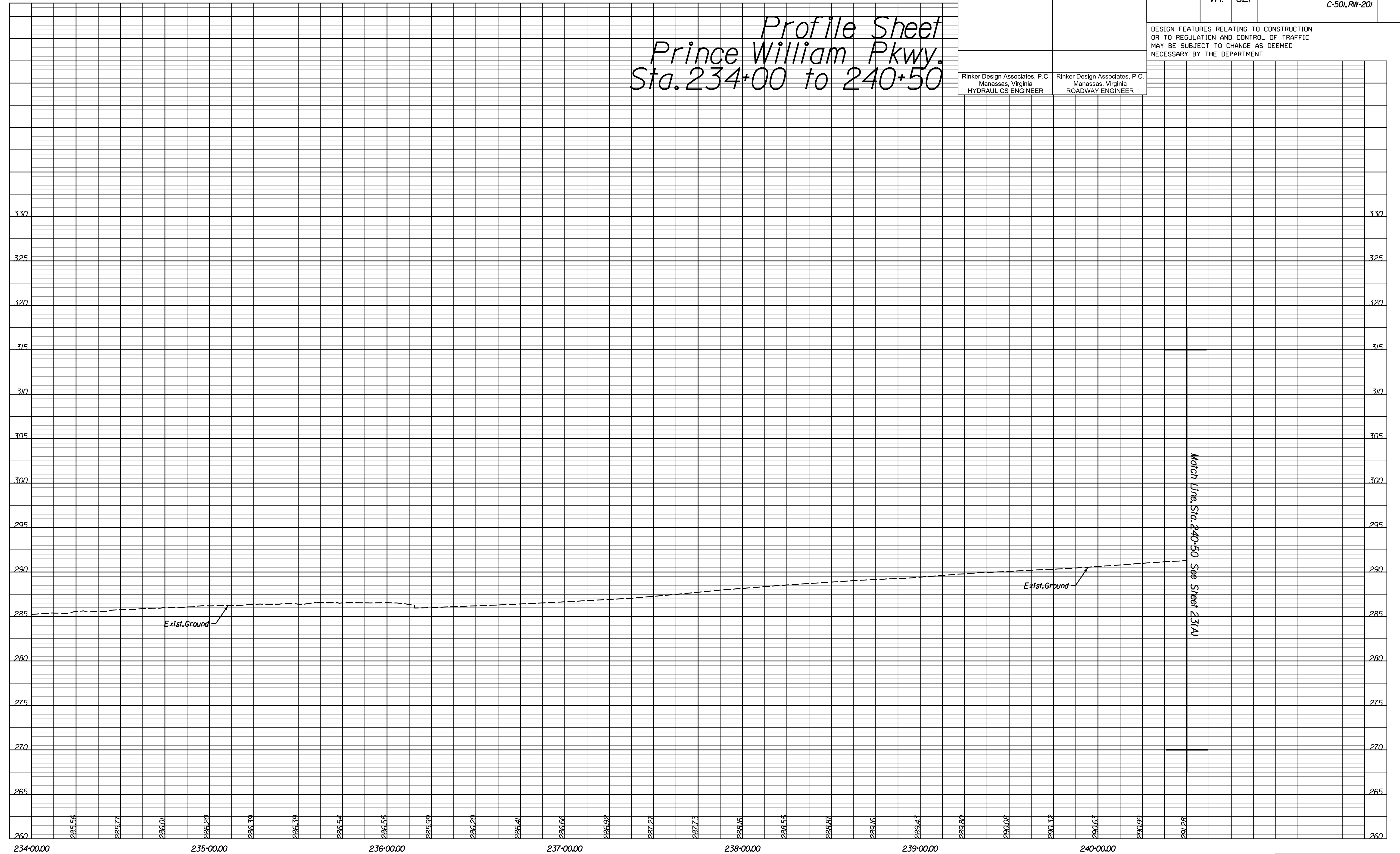
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	22A

*Profile Sheet  
 Prince William Pkwy.  
 Sta. 234+00 to 240+50*

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

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



NOVA DISTRICT DESIGN UNIT

**LANE**

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 Transportation • Right-of-Way Services

Office Locations  
 Manassas, VA  
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 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Washington, DC

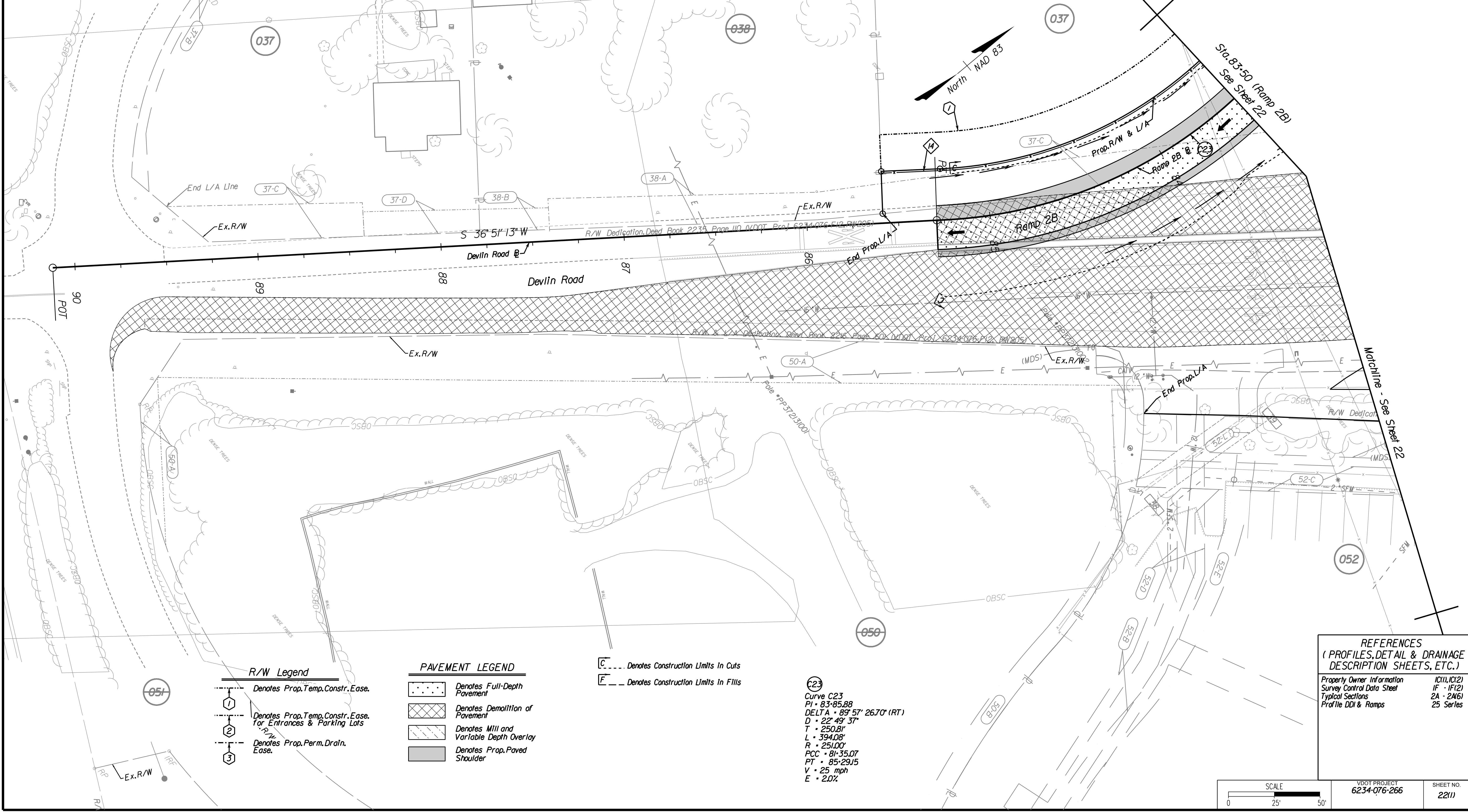
PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	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				
Rinker Design Associates, P.C. Manassas, Virginia HYDRAULICS ENGINEER		Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER		



**R/W Legend**

- Denotes Prop. Temp. Constr. Easement
- Denotes Prop. Temp. Constr. Easement for Entrances & Parking Lots
- Denotes Prop. Perm. Drain. Easement

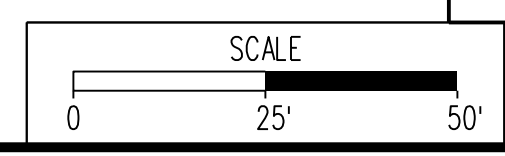
**PAVEMENT LEGEND**

- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

--- Denotes Construction Limits In Cuts  
 --- Denotes Construction Limits In Fills

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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile DDI & Ramps	25 Series



VDOT PROJECT 6234-076-266  
 SHEET NO. 22(1)

PH PLAN

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

NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services  
 Office Locations: Manassas, VA; Fairfax, VA; Falls Church, VA; Herndon, VA; Reston, VA; Washington, DC

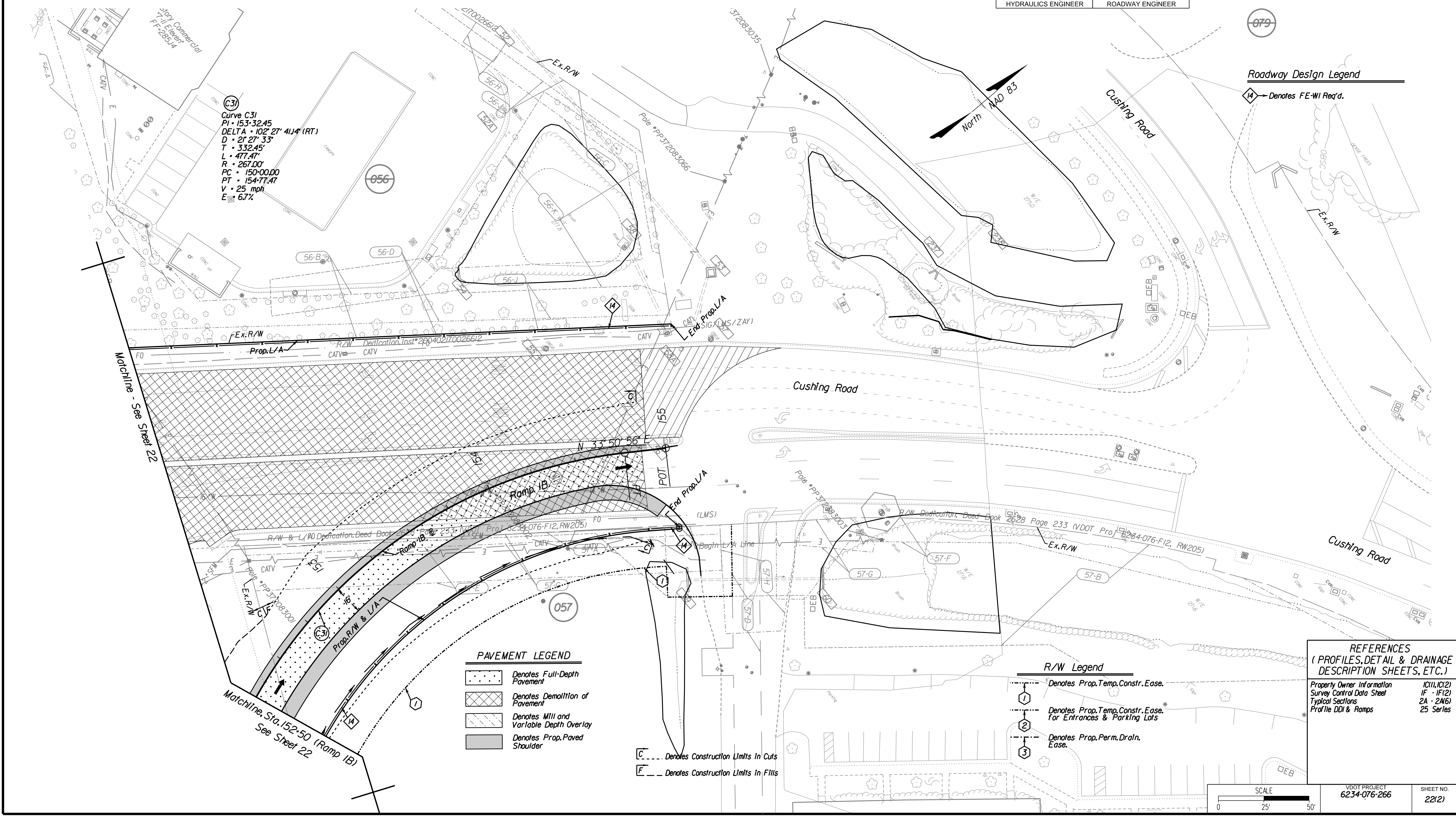
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

REVISED	STATE		PROJECT	SHEET NO.
	ROUTE	PROJECT		
	VA.	621	6234-076-266, C-501, RW-201	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

Rinker Design Associates, P.C. Manassas, Virginia HYDRAULICS ENGINEER	Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER
---	--

NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services  
 Office Locations: Manassas, VA, Fairfax, VA, Herndon, VA, Reston, VA, Springfield, VA, Washington, DC



**Curve C31**  
 PI • 153+32.45  
 DELTA • 102° 27' 41.4" (RT)  
 D • 21° 27' 33"  
 T • 332.45'  
 L • 477.47'  
 R • 267.00'  
 PC • 150+00.00  
 PT • 154+77.47  
 V • 25 mph  
 E • 6.7%

**Roadway Design Legend**

⑭ Denotes FE-WI Req'd.

**PAVEMENT LEGEND**

- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

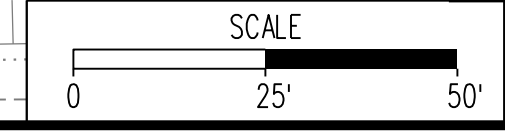
Ⓒ --- Denotes Construction Limits In Cuts  
 Ⓔ --- Denotes Construction Limits In Fills

**R/W Legend**

- Denotes Prop. Temp. Constr. Ease.
- Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
- Denotes Prop. Perm. Drain. Ease.

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

Property Owner Information IC(1), IC(2)  
 Survey Control Data Sheet IF - IF(2)  
 Typical Sections 2A - 2A(6)  
 Profile DDI & Ramps 25 Series



VDOT PROJECT 6234-076-266  
 SHEET NO. 22(2)

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	23

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

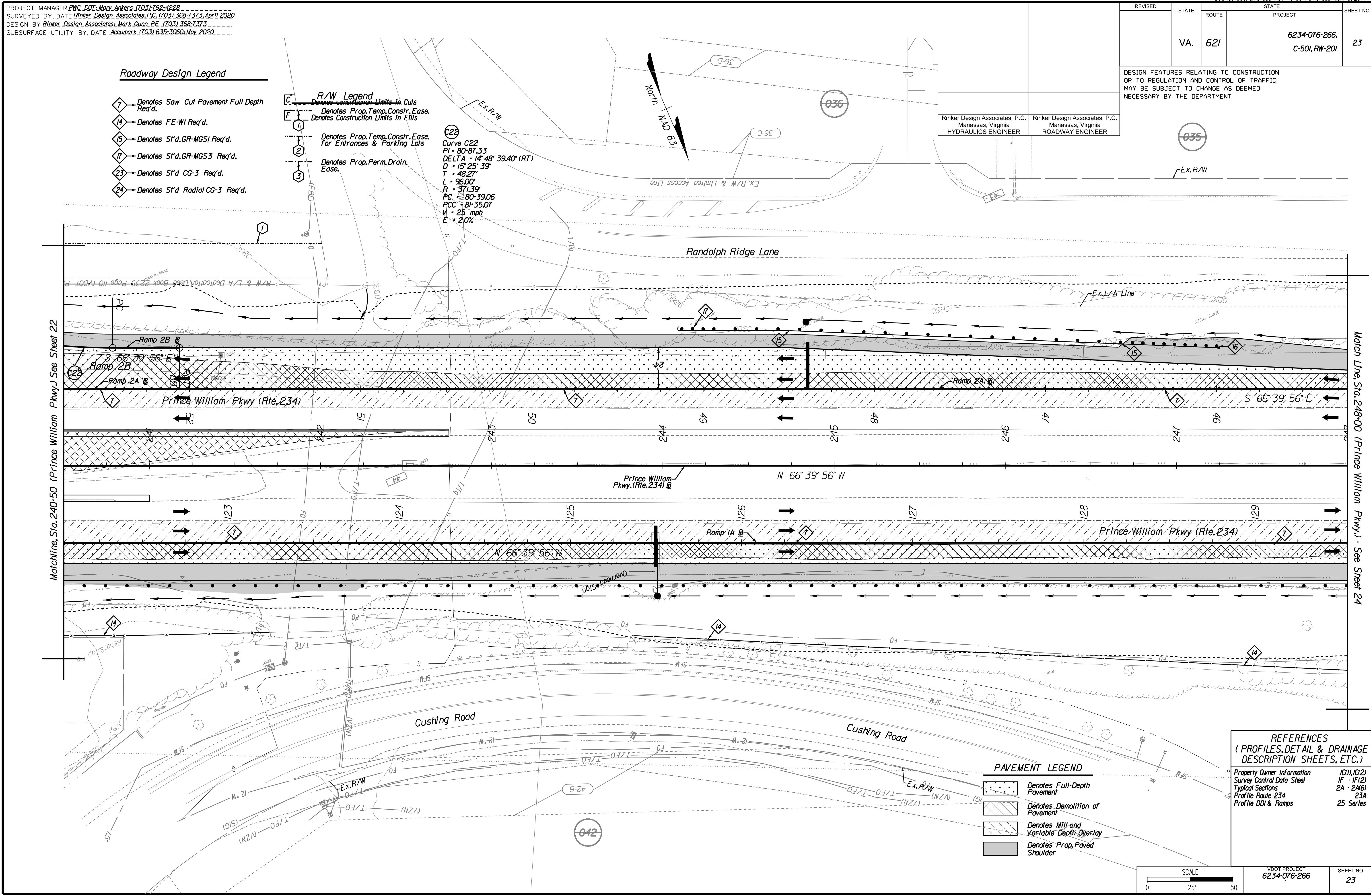
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

**Roadway Design Legend**

- ⑦ Denotes Saw Cut Pavement Full Depth Req'd.
- ⑭ Denotes FE-WI Req'd.
- ⑮ Denotes S'd.GR-MGSI Req'd.
- ⑰ Denotes S'd.GR-MGS3 Req'd.
- ⑲ Denotes S'd CG-3 Req'd.
- ⑳ Denotes S'd Radial CG-3 Req'd.

- R/W Legend**
- ① Denotes Construction Limits in Cuts
  - ② Denotes Prop. Temp. Constr. Ease.
  - ③ Denotes Construction Limits in Fills
  - ④ Denotes Prop. Temp. Constr. Ease. For Entrances & Parking Lots
  - ⑤ Denotes Prop. Perm. Drain. Ease.

Curve C22  
 PI = 80+87.33  
 DELTA = 14° 48' 39.40" (RT)  
 D = 15' 25' 39"  
 T = 48.27'  
 L = 96.00'  
 R = 371.39'  
 PC = 80+39.06  
 PCC = 81+35.07  
 V = 25 mph  
 E = 20%

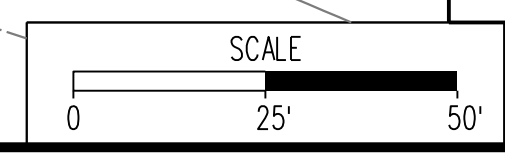


**PAVEMENT LEGEND**

- ① Denotes Full-Depth Pavement
- ② Denotes Demolition of Pavement
- ③ Denotes Mill and Variable Depth Overlay
- ④ Denotes Prop. Paved Shoulder

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

- ① Property Owner Information (IC11), (IC12)
- ② Survey Control Data Sheet IF - IF(2)
- ③ Typical Sections 2A - 2A(6)
- ④ Profile Route 234 23A
- ⑤ Profile DDI & Ramps 25 Series



VDOT PROJECT 6234-076-266	SHEET NO. 23
------------------------------	-----------------

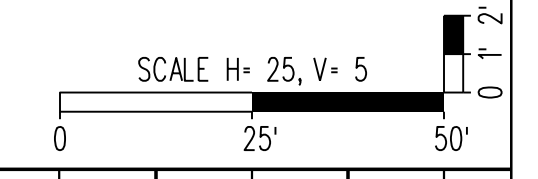
PH PLAN

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

NOVA DISTRICT DESIGN UNIT  
  
 Rinker Design Associates, P.C.  
  
 Office Locations: Manassas, VA; Fairfax, VA; Falls Church, VA; Herndon, VA; Reston, VA; Springfield, VA; Vienna, VA; Woodbridge, VA; Yorktown, VA

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, July 2019



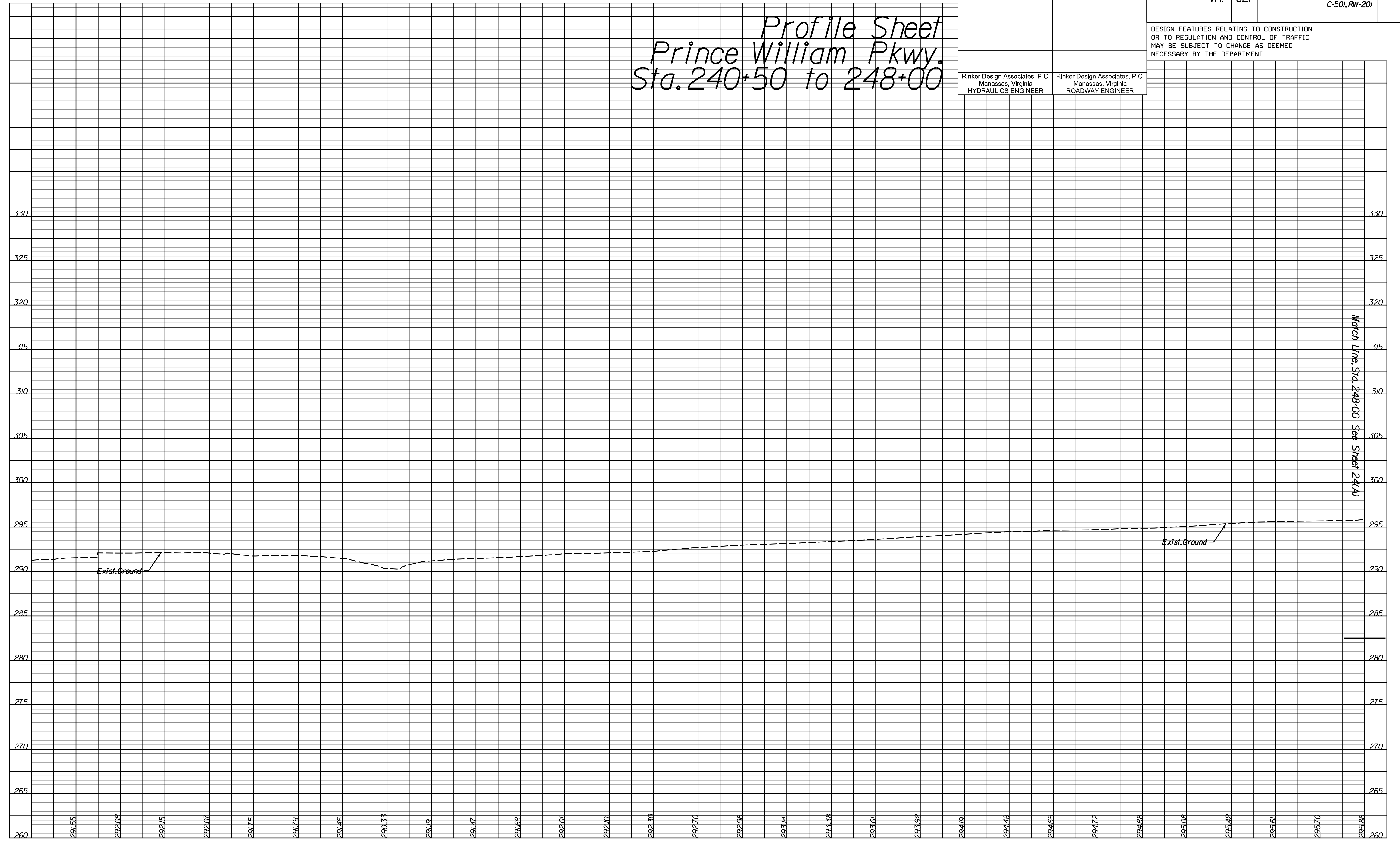
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	23A

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

*Profile Sheet  
 Prince William Pkwy.  
 Sta. 240+50 to 248+00*



PH PLAN

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

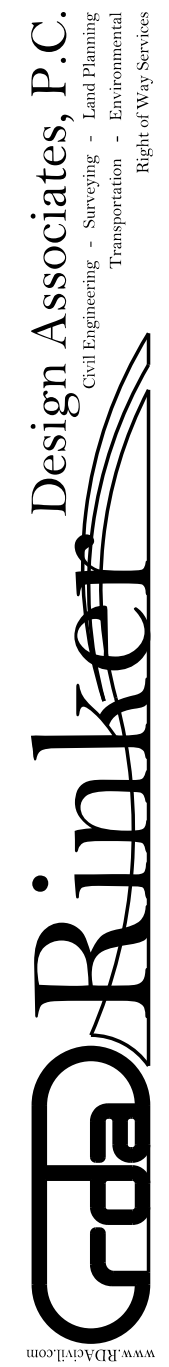
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

VDOT PROJECT  
 6234-076-266  
 PWC PROJECT  
 SPR2019-00101

SHEET NO.  
 23A



NOVA DISTRICT DESIGN UNIT



Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Washington, DC  
 Yorktown, VA

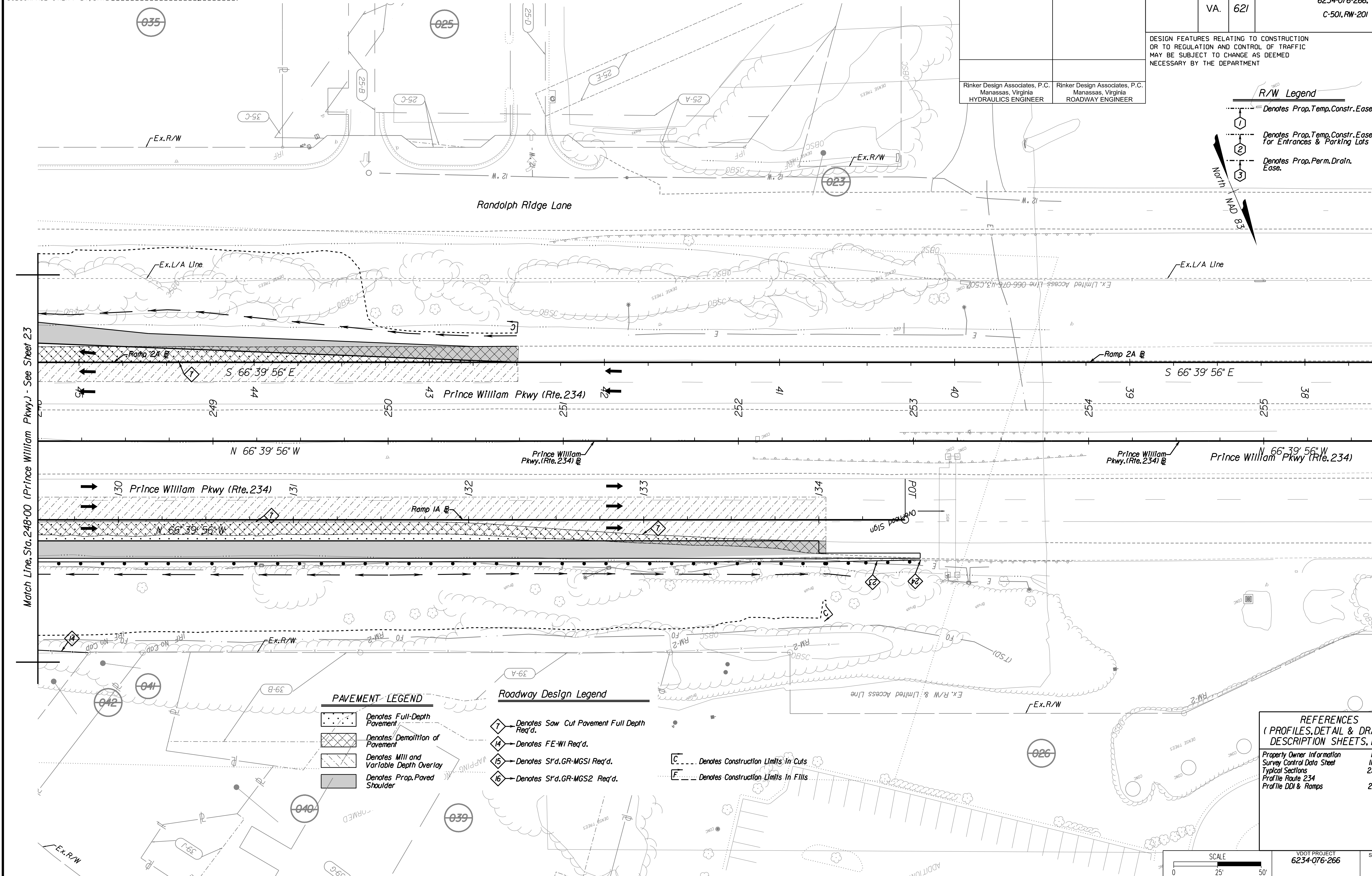
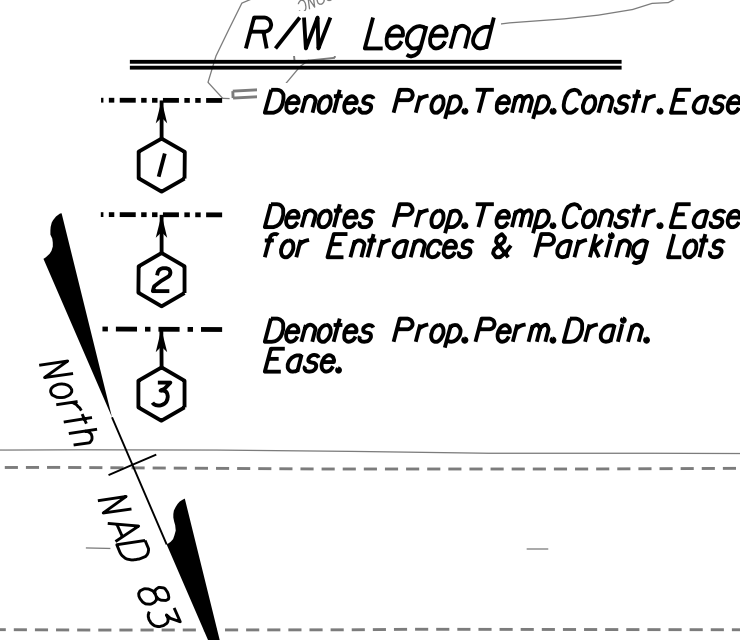
PROJECT MANAGER PWC, DOT: Mary Ankers (703) 792-4228  
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
DESIGN BY Rinker Design Associates, Mark Gunn, P.E. (703) 368-7373  
SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	24

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

Rinker Design Associates, P.C.  
Manassas, Virginia  
HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
Manassas, Virginia  
ROADWAY ENGINEER



**PAVEMENT LEGEND**

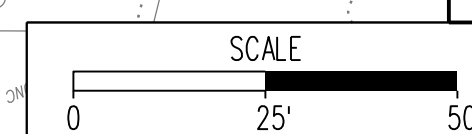
- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

**Roadway Design Legend**

- Denotes Saw Cut Pavement Full Depth Req'd.
- Denotes FE-WI Req'd.
- Denotes S1'd.GR-MGSI Req'd.
- Denotes S1'd.GR-MGS2 Req'd.
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile Route 234	24A
Profile DDI & Ramps	25 Series



VDOT PROJECT 6234-076-266 SHEET NO. 24

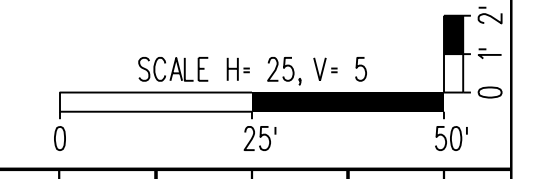
PH PLAN

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

NOVA DISTRICT DESIGN UNIT  
**LANE**  
Rinker Design Associates, P.C.  
Office Locations: Manassas, VA; Fairfax, VA; Falls Church, VA; Herndon, VA; Reston, VA; Springfield, VA; Stafford, VA; Warrenton, OR; Washington, DC

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 11, 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



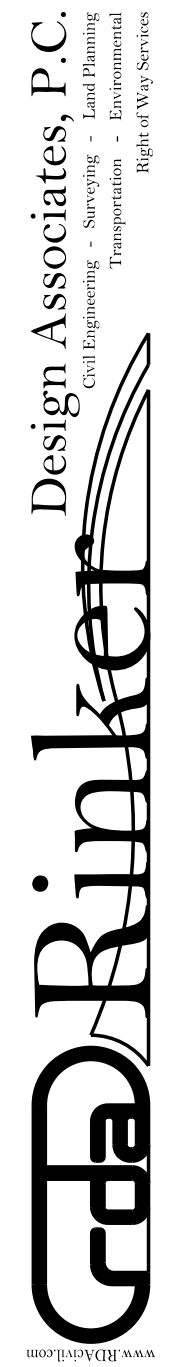
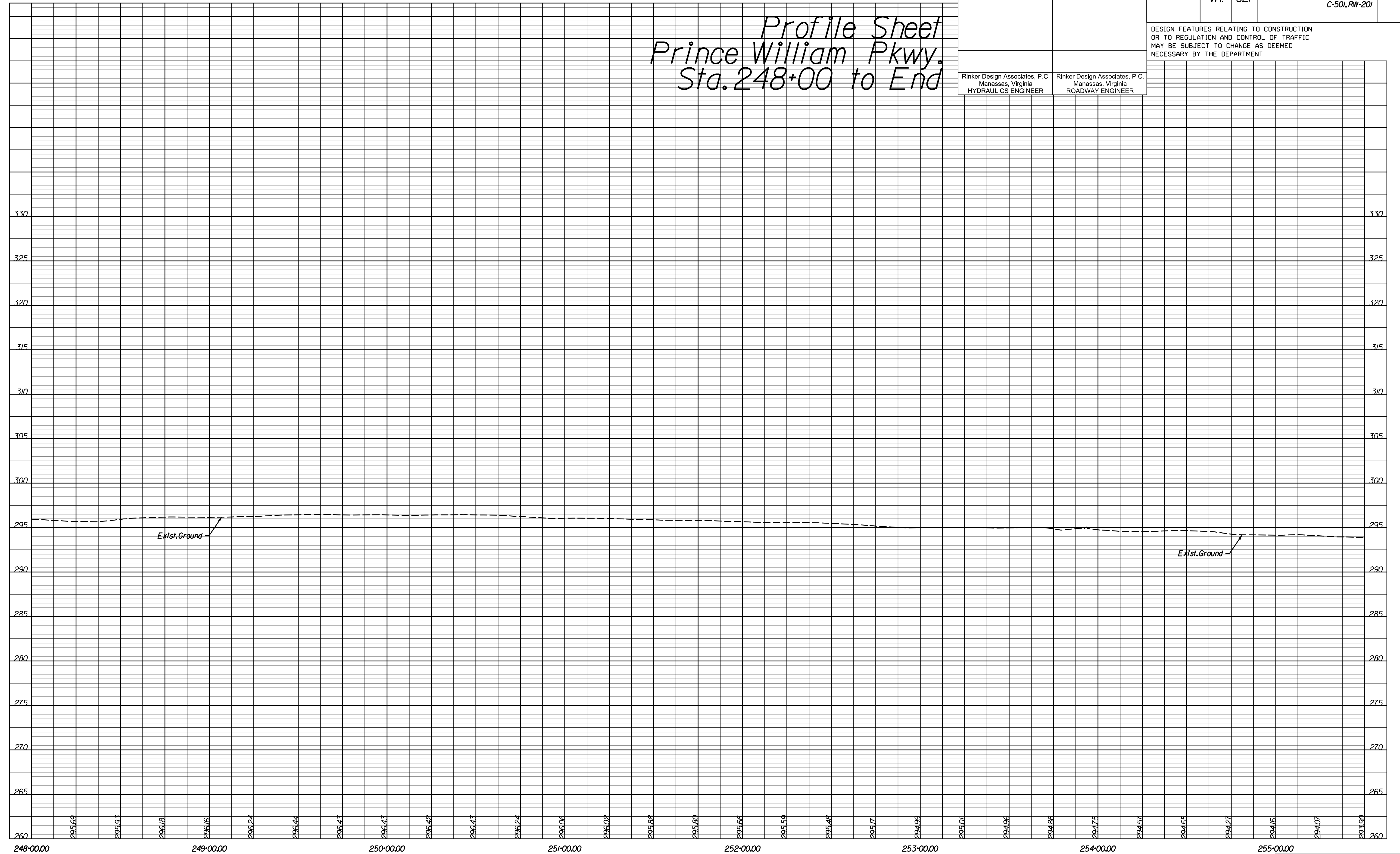
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	24A

*Profile Sheet  
 Prince William Pkwy.  
 Sta. 248+00 to End*

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

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



Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Washington, DC  
 www.rinker.com

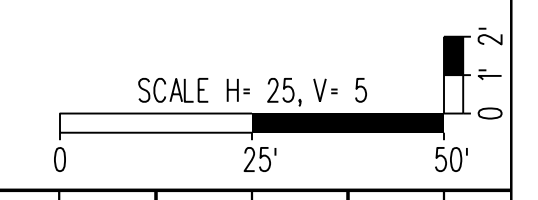
NOVA DISTRICT DESIGN UNIT

PH PLAN

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 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	25(1A)

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

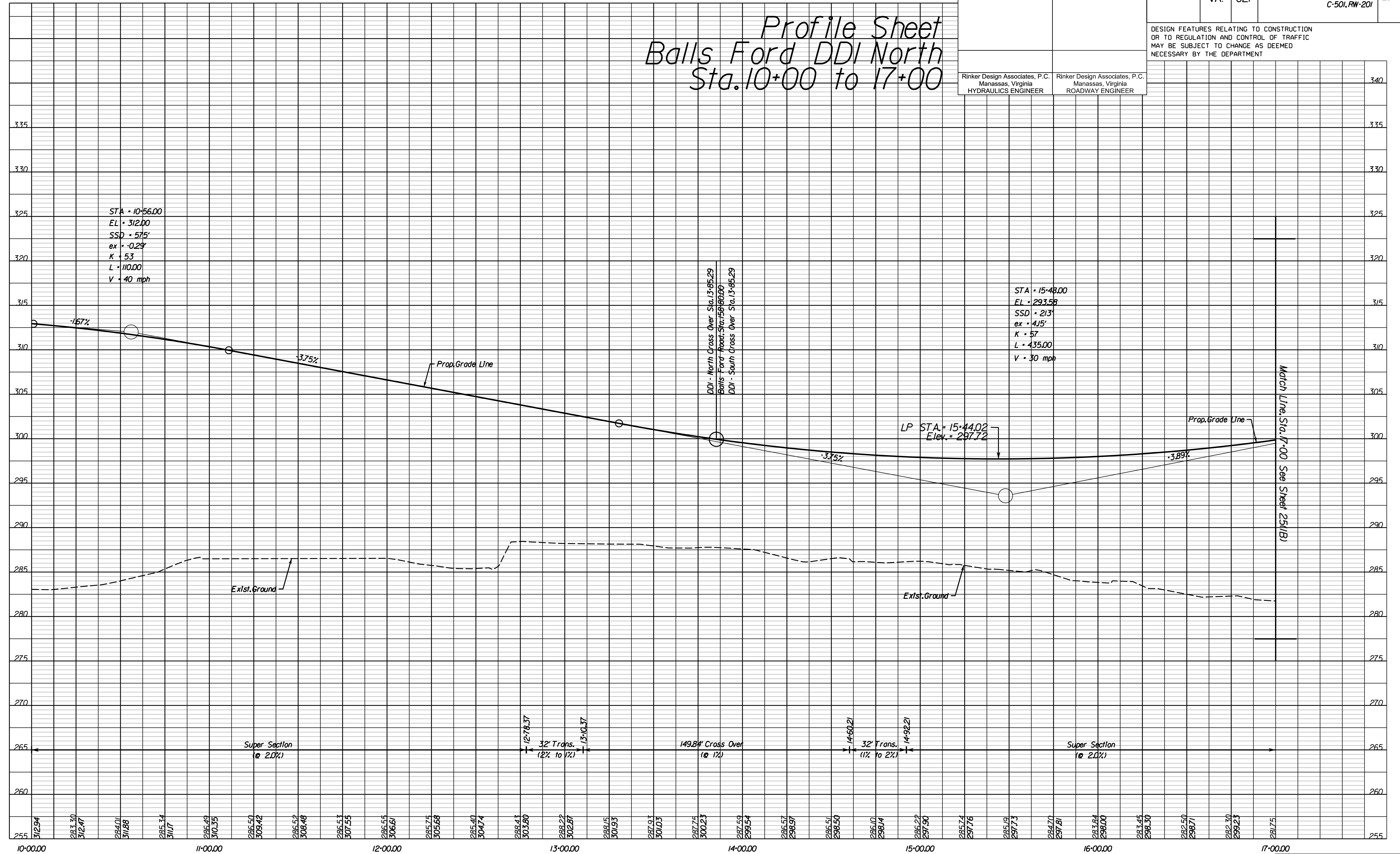
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

# Profile Sheet

## Balls Ford DDI North

### Sta. 10+00 to 17+00



PH PLAN

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

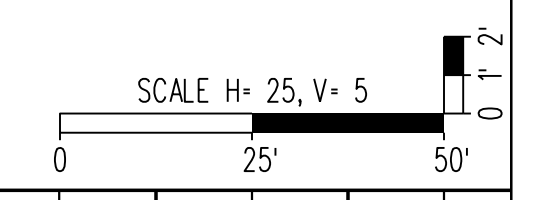
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.



Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Warrenton, OR  
 Washington, DC  
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NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 11, 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



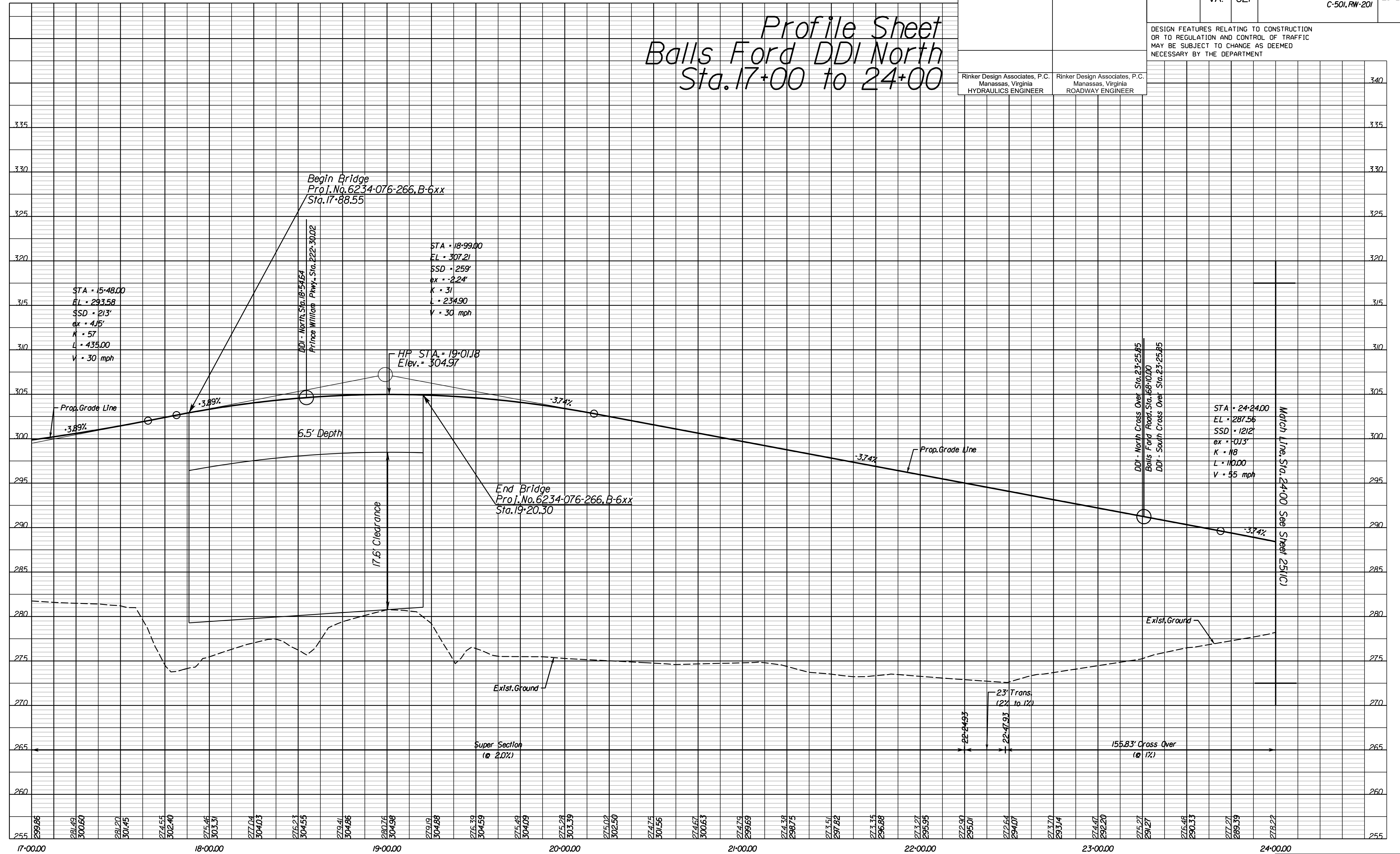
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	251(B)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

# Profile Sheet Balls Ford DDI North Sta. 17+00 to 24+00



NOVA DISTRICT DESIGN UNIT

**LANE**

**Rinker**

Design Associates, P.C.

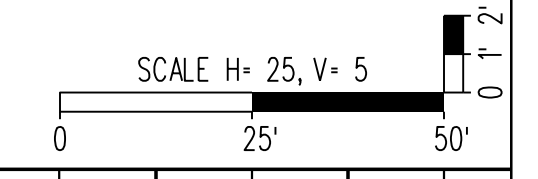
Civil Engineering - Surveying - Land Planning  
 Transportation - Right-of-Way Services

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



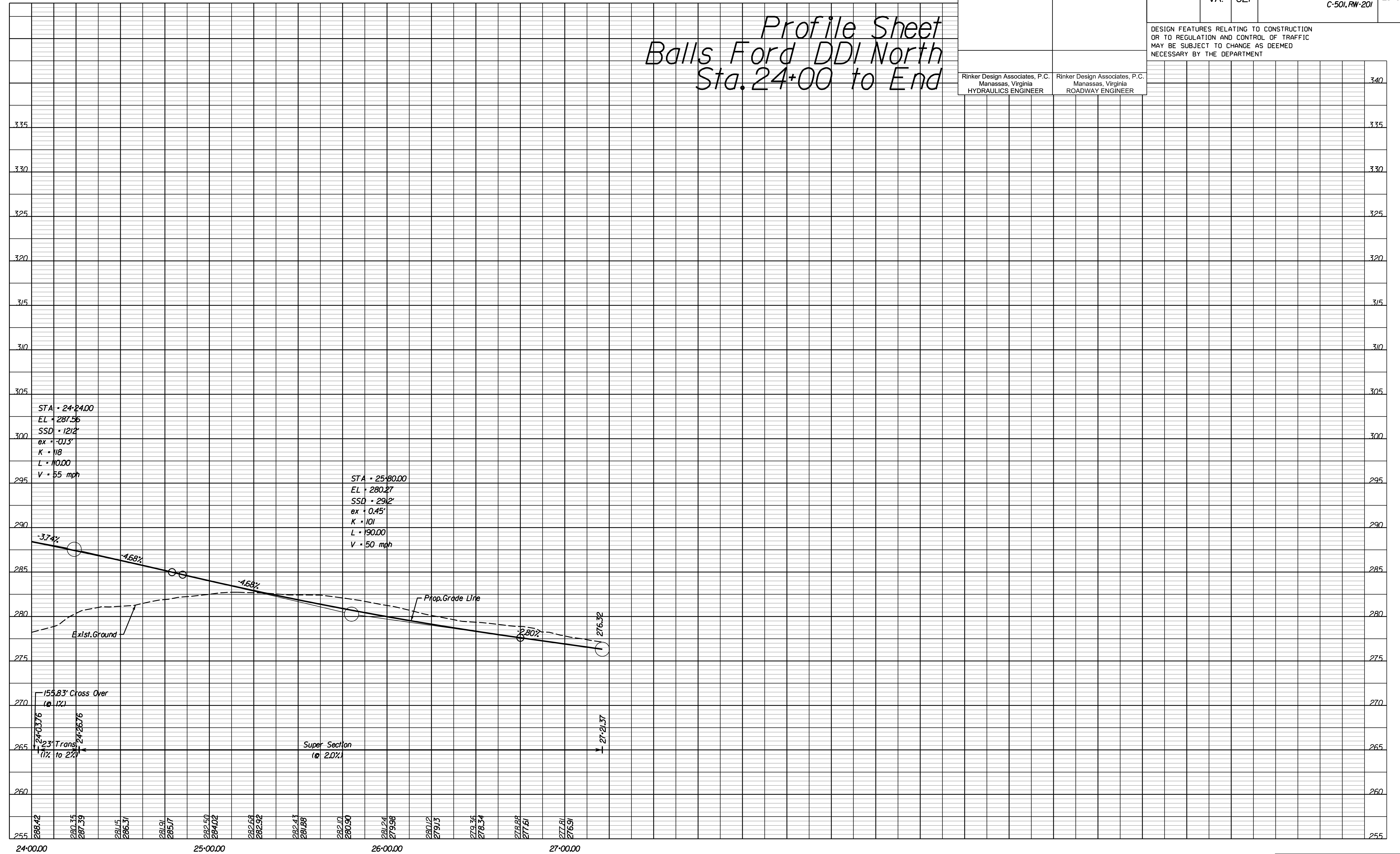
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	251(C)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

Profile Sheet  
 Balls Ford DDI North  
 Sta. 24+00 to End



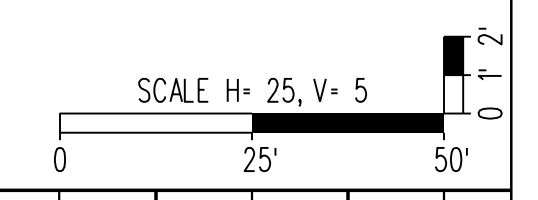
PH PLAN

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

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



PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	25(2A)

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

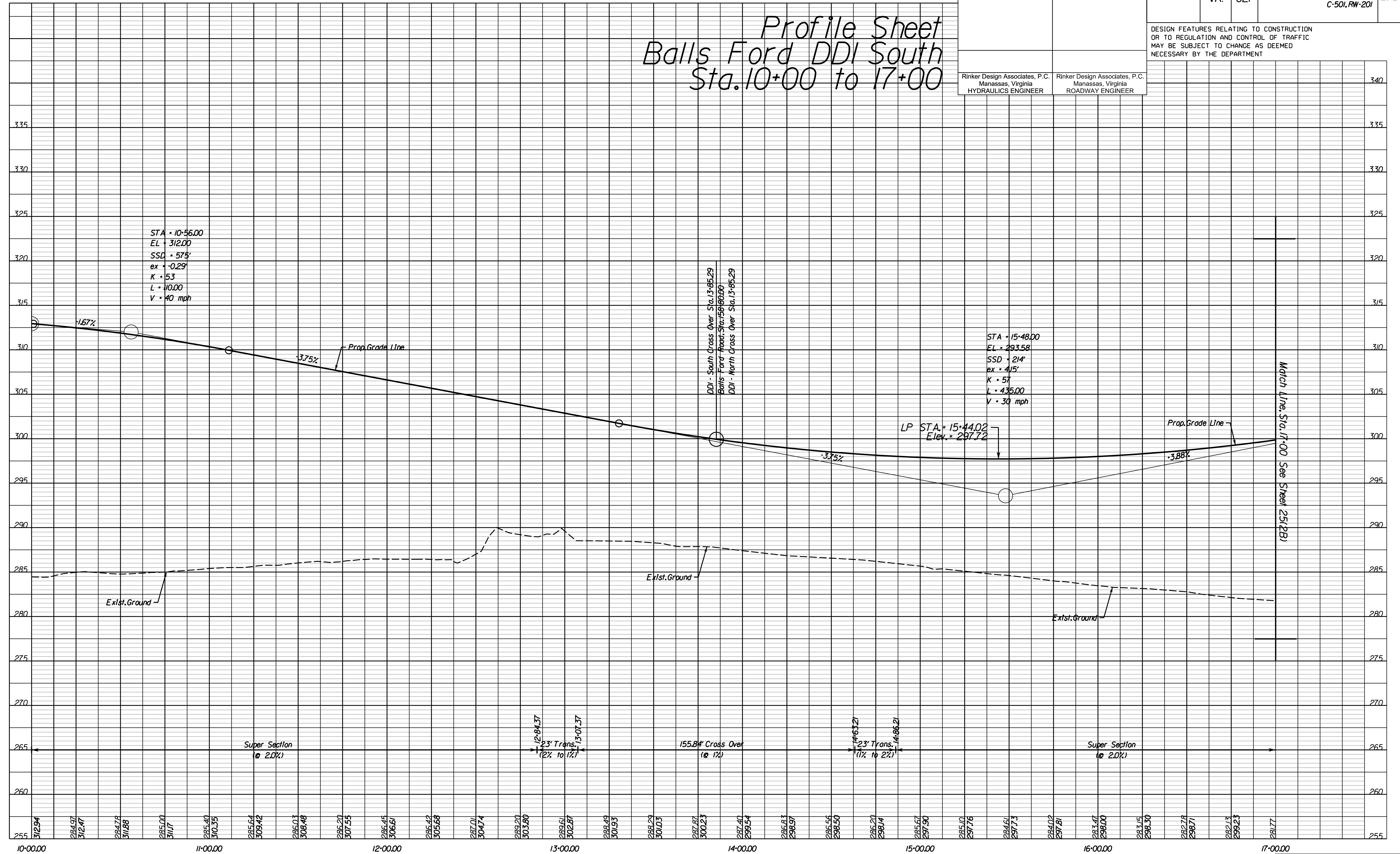
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

# Profile Sheet

## Balls Ford DDI South

### Sta. 10+00 to 17+00



Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services



NOVA DISTRICT DESIGN UNIT

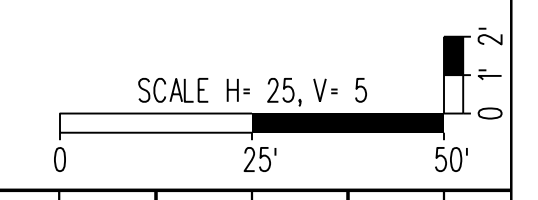
PH PLAN

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



PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



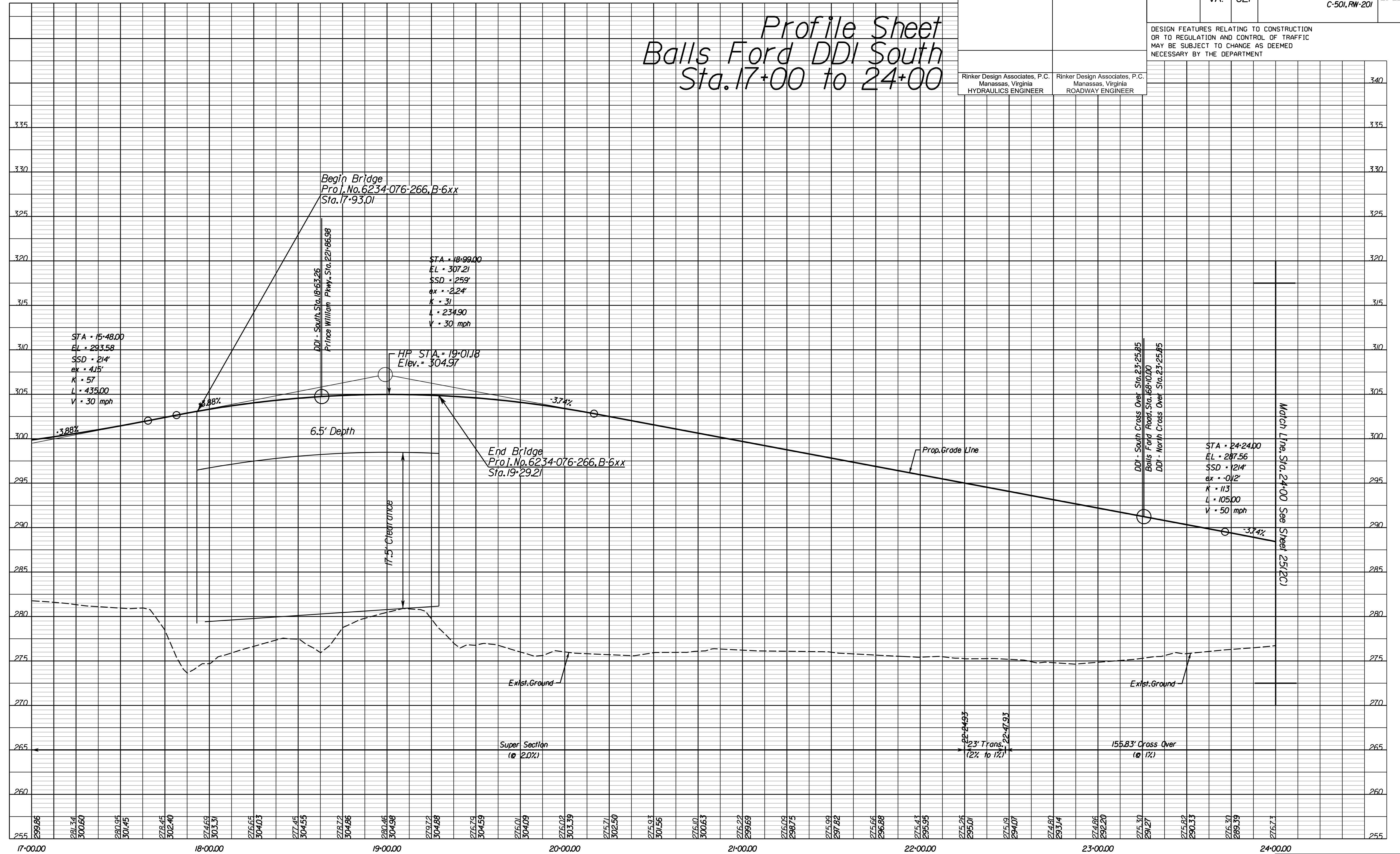
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	25(2B)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

# Profile Sheet Balls Ford DDI South Sta. 17+00 to 24+00



NOVA DISTRICT DESIGN UNIT

**LANE**

**Rinker**

Design Associates, P.C.

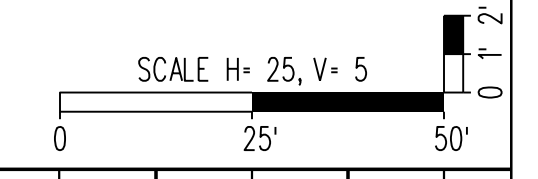
Civil Engineering - Surveying - Land Planning  
 Transportation Engineering - Right-of-Way Services

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
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 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	25(2C)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

Profile Sheet  
 Balls Ford DDI South  
 Sta. 24+00 to End



NOVA DISTRICT DESIGN UNIT

**LANE**

**Rinker**

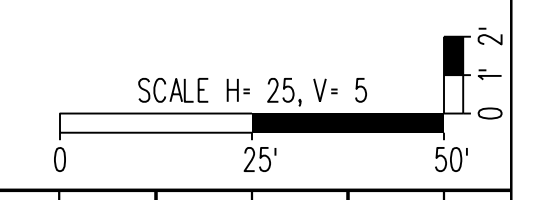
Design Associates, P.C.

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



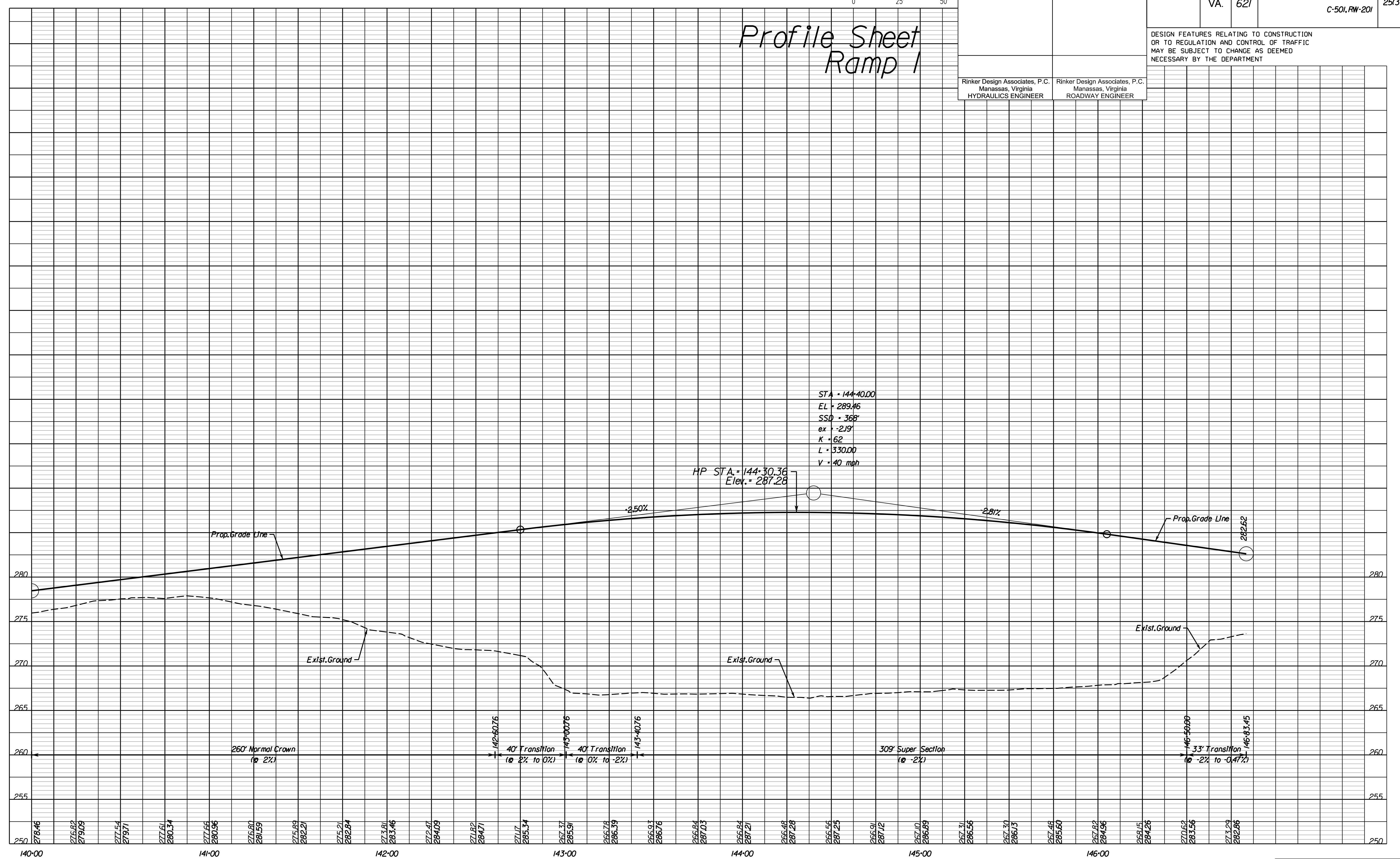
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	25(3)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

Profile Sheet  
 Ramp 1



PH PLAN

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NOVA DISTRICT DESIGN UNIT

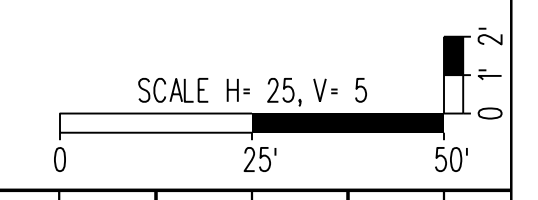
Rinker Design Associates, P.C.

www.Rinker.com

Office Locations

Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Washington, DC

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
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 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(4A)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

# Profile Sheet Ramp 1A Sta. 100+00 to 107+00



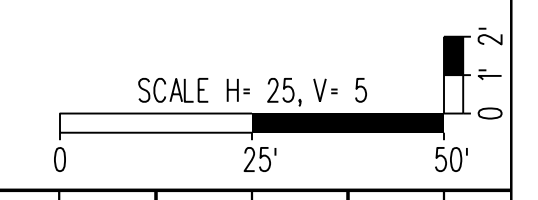
PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, July 2019



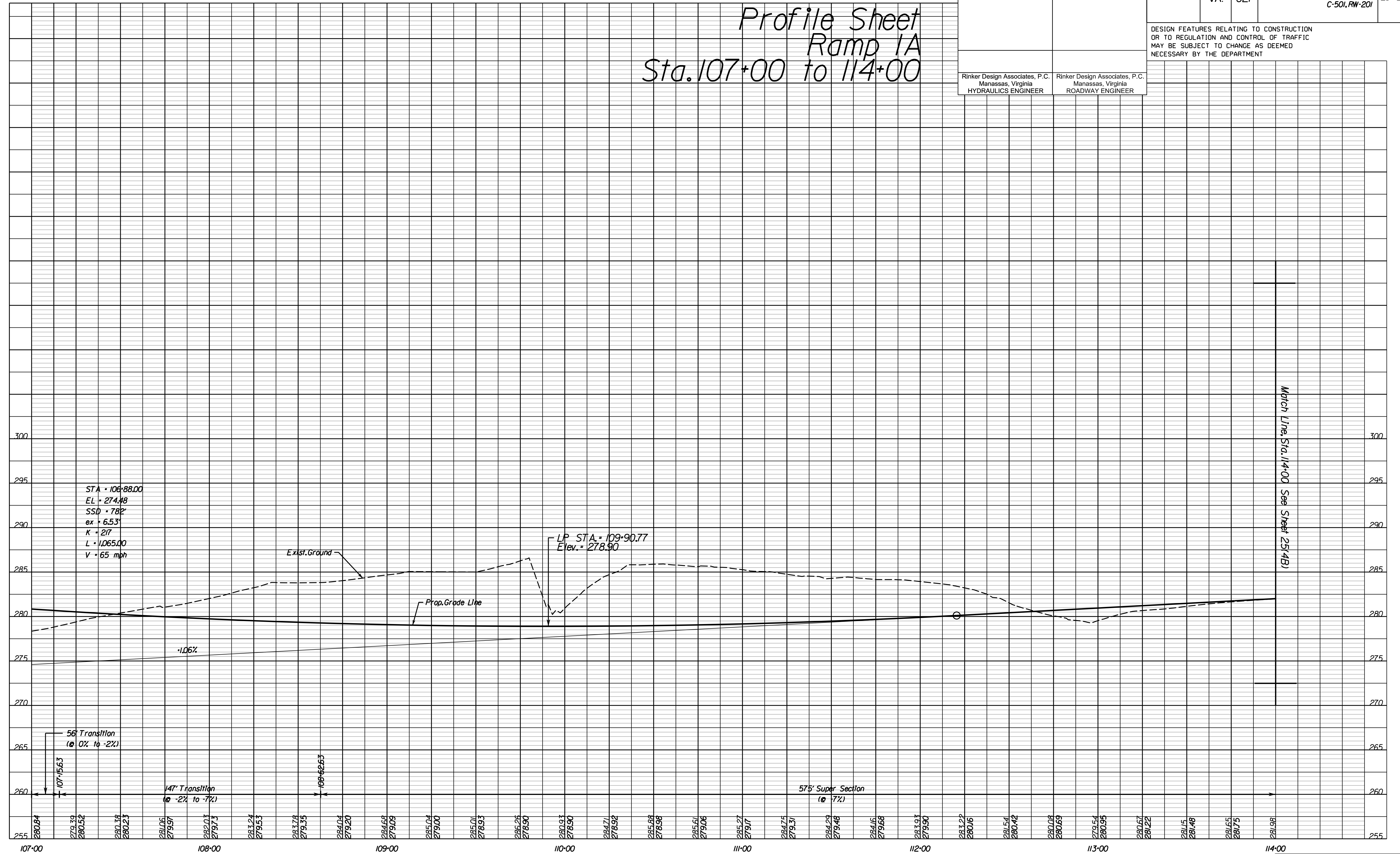
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(4B)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

# Profile Sheet Ramp 1A Sta. 107+00 to 114+00



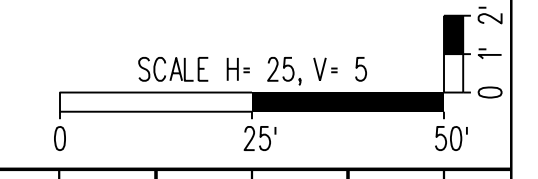
PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 11, 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE		
		621	6234-076-266, C-501, RW-201	25(4C)

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

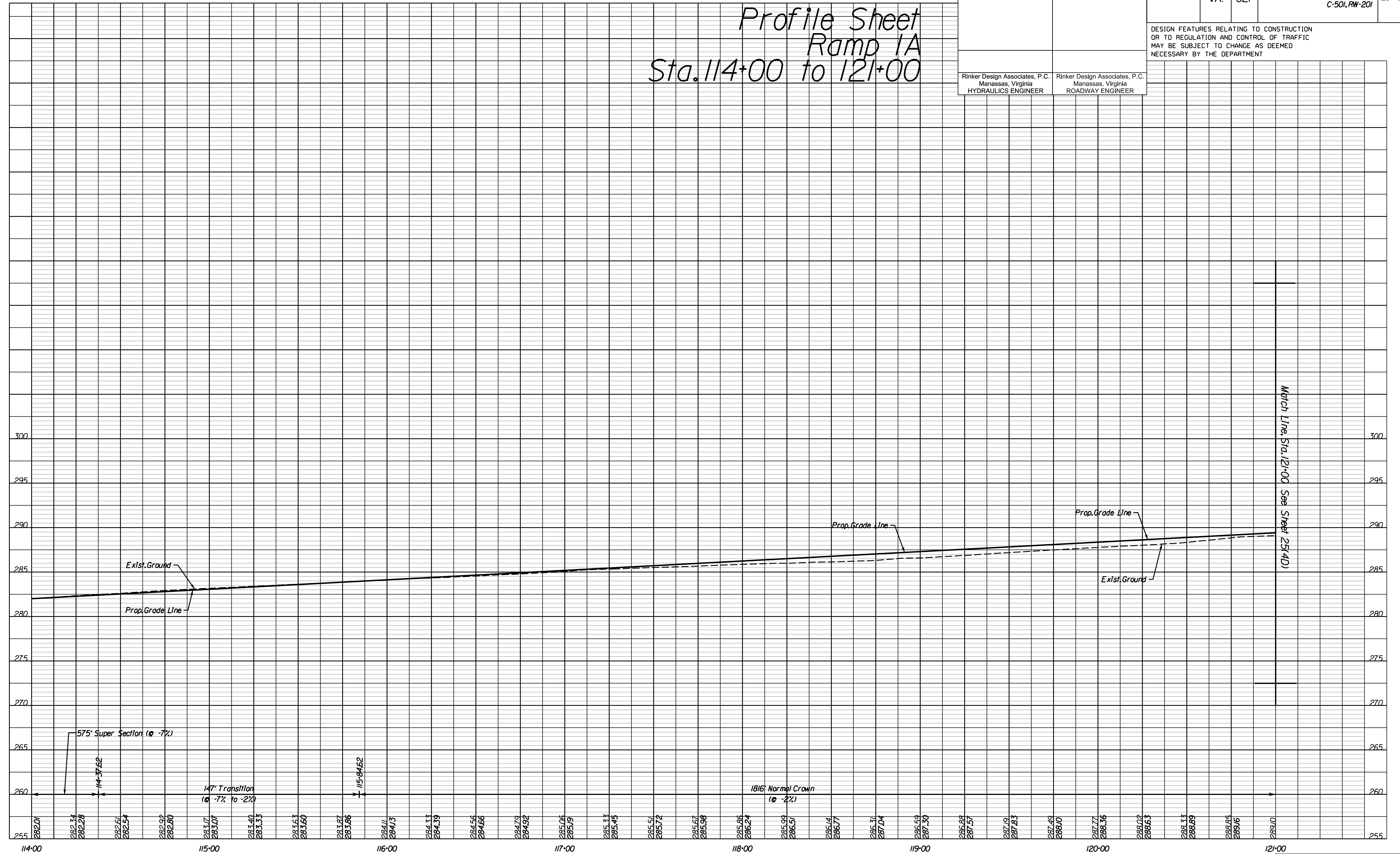
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

# Profile Sheet

## Ramp 1A

### Sta. 114+00 to 121+00



Match Line: Sta. 121+00 See Sheet 25(4D)

NOVA DISTRICT DESIGN UNIT

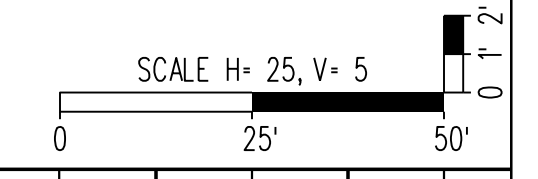
Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right-of-Way Services

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(4D)

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

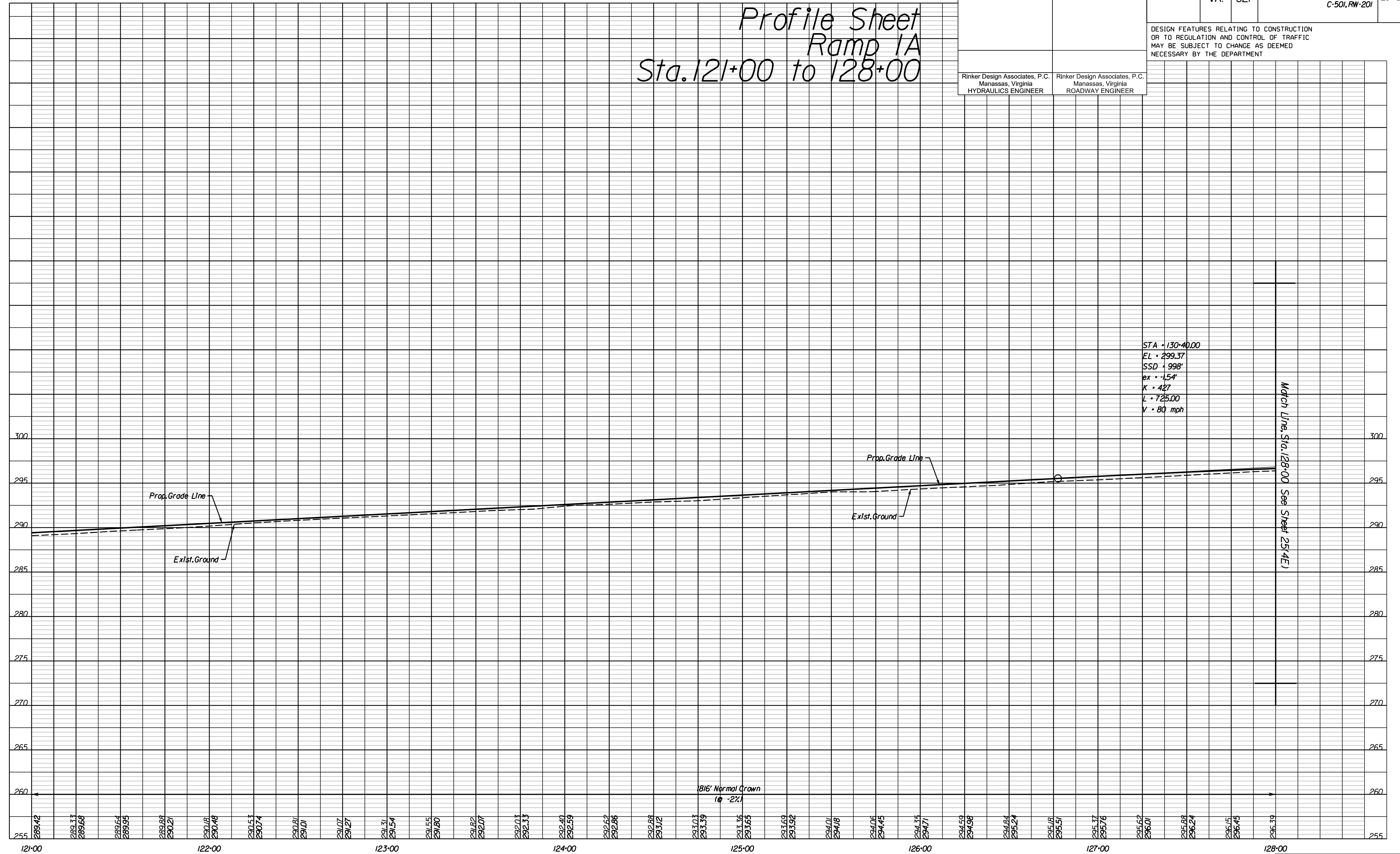
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

# Profile Sheet

## Ramp 1A

### Sta. 121+00 to 128+00



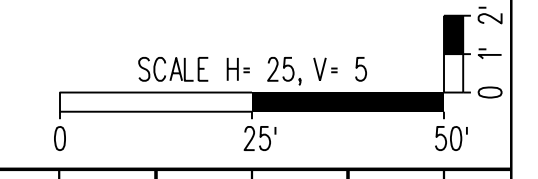
PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



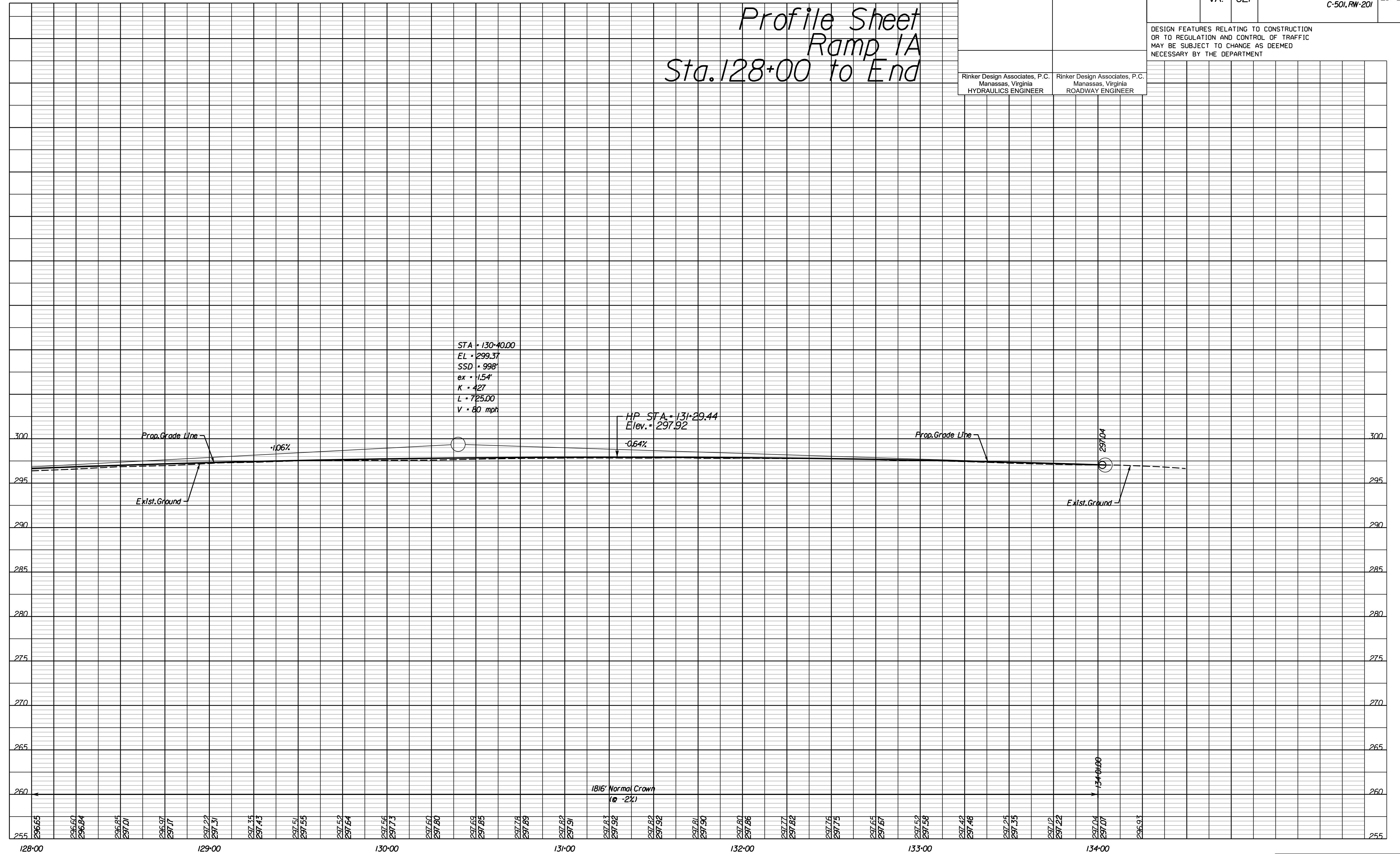
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	25(4E)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

# Profile Sheet Ramp 1A Sta. 128+00 to End



STA • 130+00.00  
 EL • 299.37  
 SSD • 998'  
 ex • 1.54'  
 K • 427  
 L • 725.00  
 V • 80 mph

HP STA • 131+29.44  
 Elev. • 297.92

1816' Normal Crown  
 (e -2%)

154+0+00

PH PLAN

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

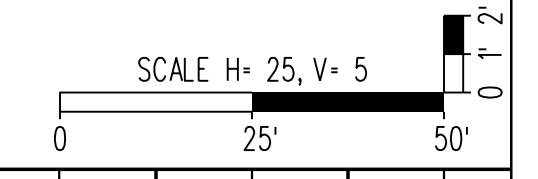
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.



Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Washington, DC



PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 11, 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(5)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

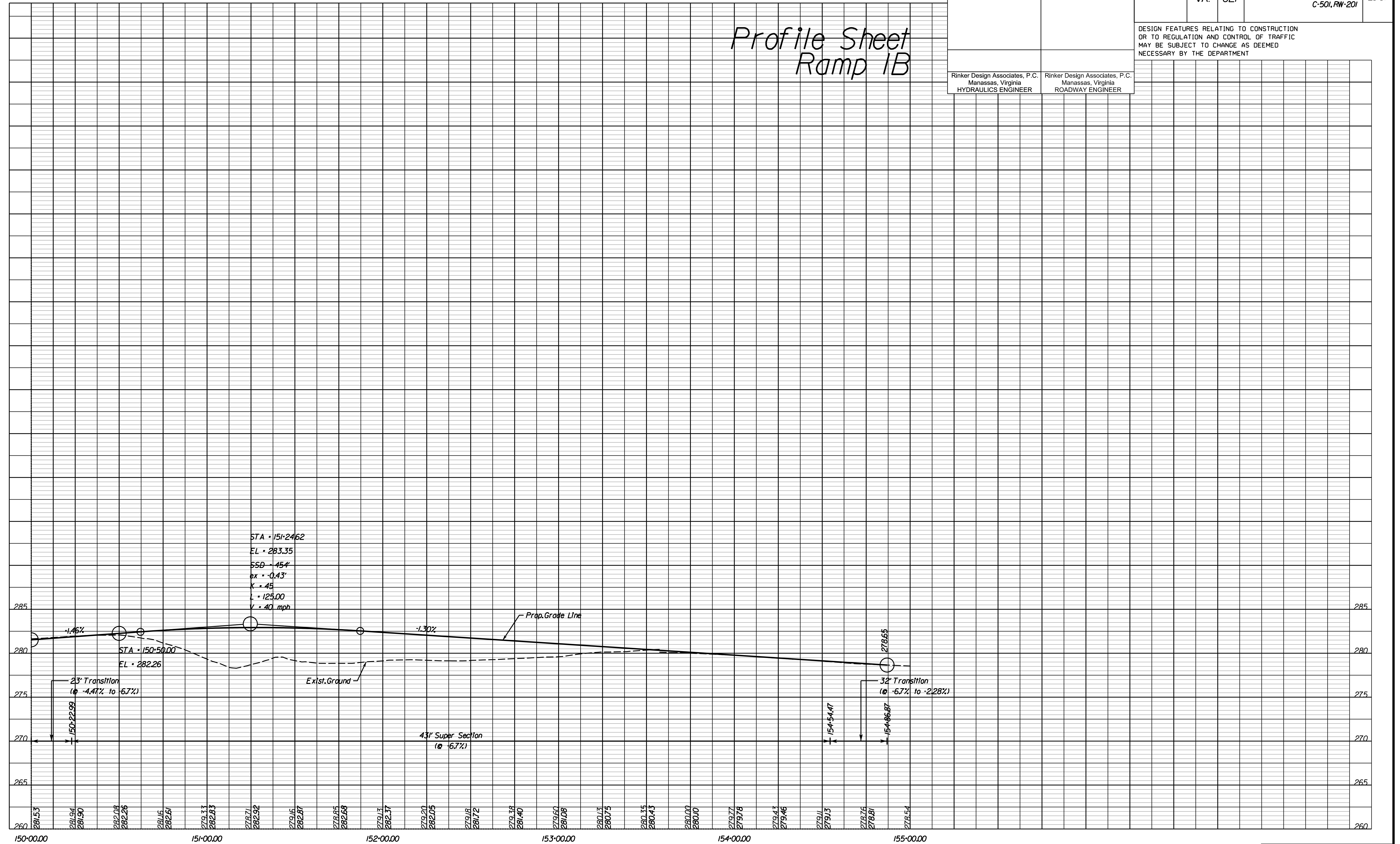
Profile Sheet  
 Ramp 1B

NOVA DISTRICT DESIGN UNIT

**LANE**

Rinker Design Associates, P.C.

www.Rinker.com

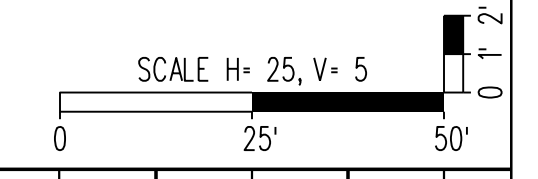


PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



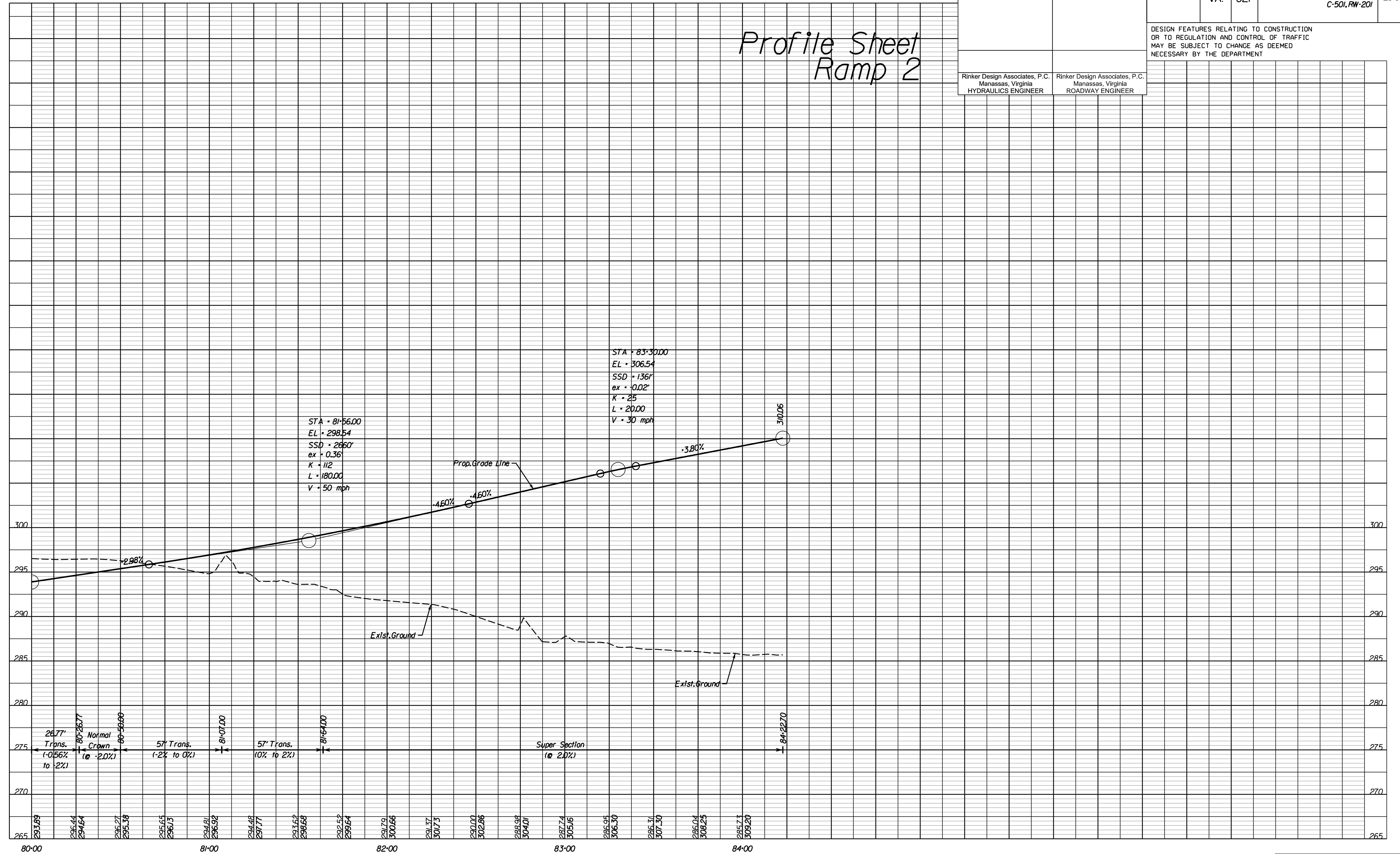
REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE		
		621	6234-076-266, C-501, RW-201	25(6)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

Profile Sheet  
 Ramp 2



NOVA DISTRICT DESIGN UNIT

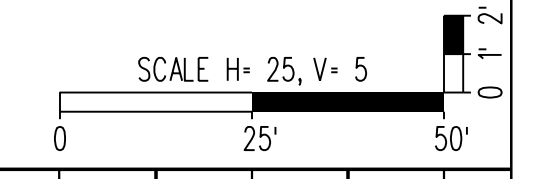
Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



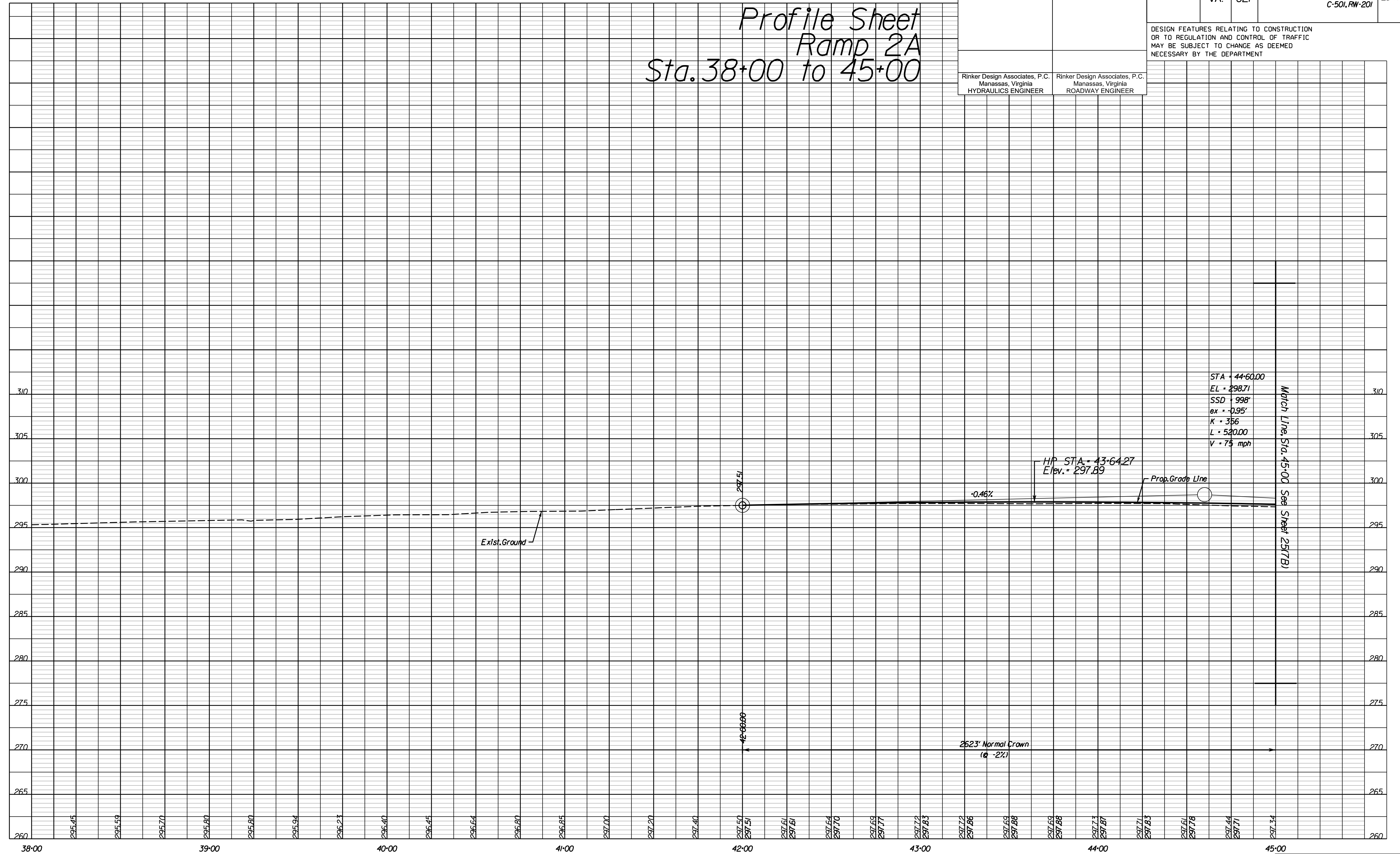
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(7A)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

Profile Sheet  
 Ramp 2A  
 Sta. 38+00 to 45+00



STA = 44+60.00  
 EL = 298.71  
 SSD = 998'  
 ex = -0.95'  
 K = 356  
 L = 520.00  
 V = 75 mph

Match Line Sta. 45+00 See Sheet 25(7B)

NOVA DISTRICT DESIGN UNIT

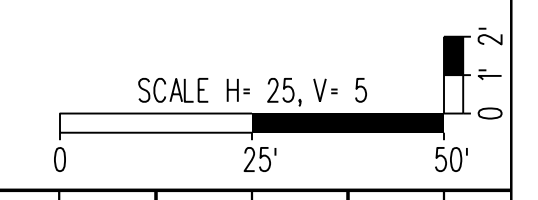
Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
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 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(7B)

Profile Sheet  
 Ramp 2A  
 Sta. 45+00 to 52+00

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

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

NOVA DISTRICT DESIGN UNIT

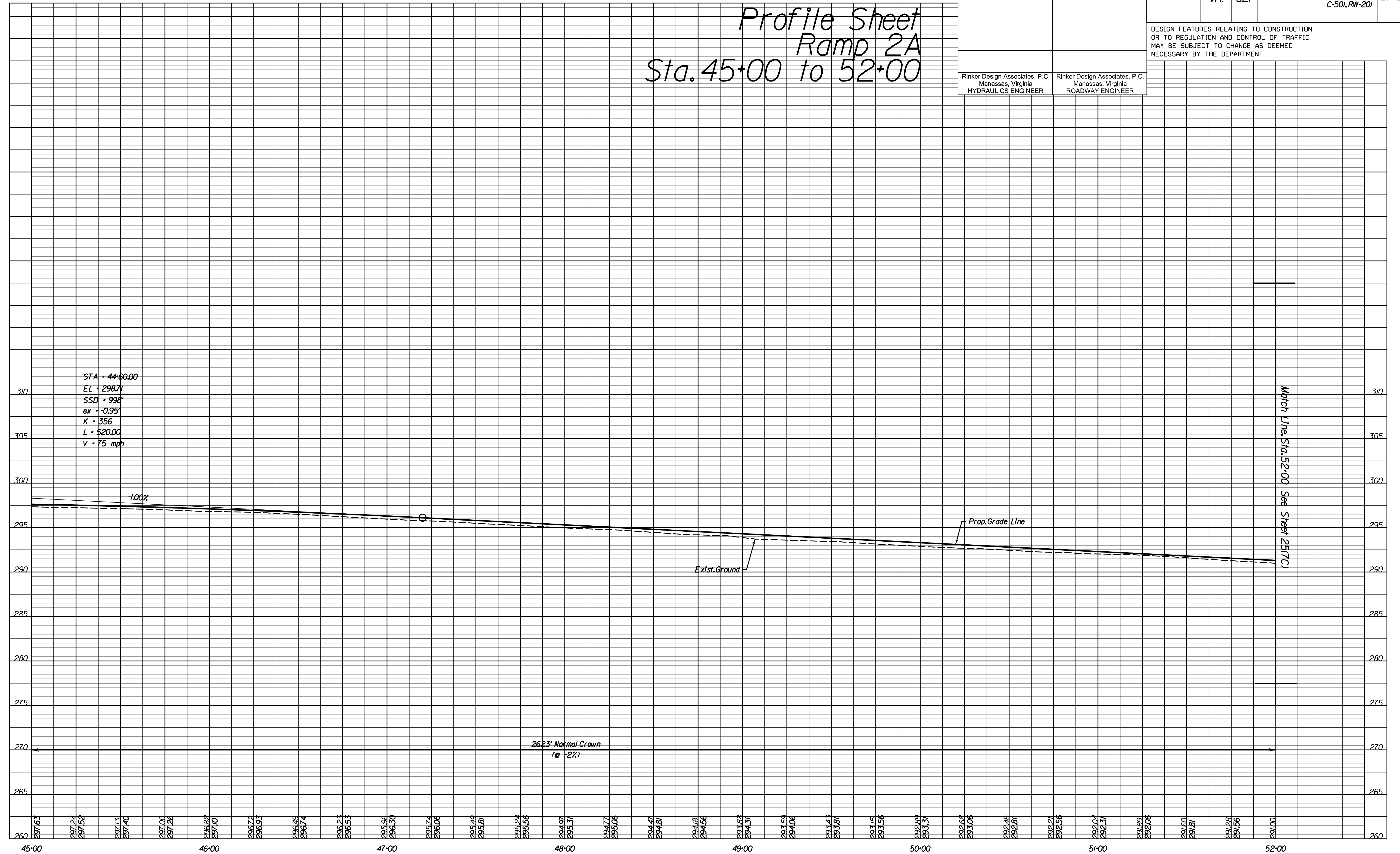
**LANE**

**Rinker**

Design Associates, P.C.

Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA

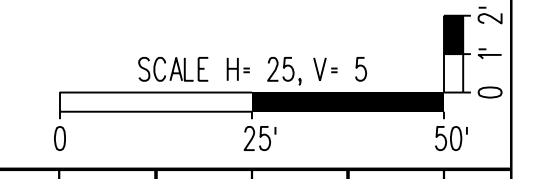


PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
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 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



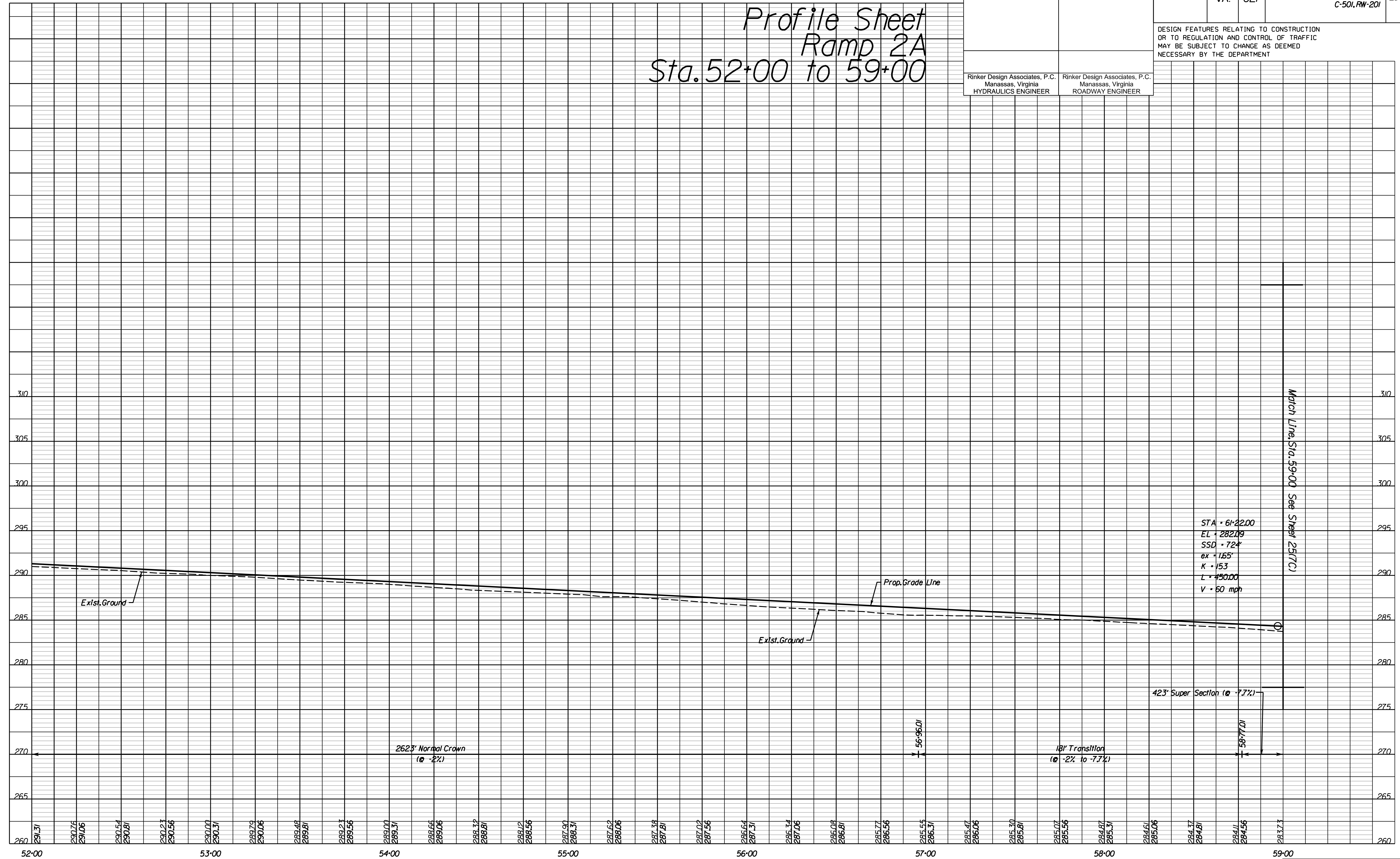
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(7C)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

Profile Sheet  
 Ramp 2A  
 Sta. 52+00 to 59+00



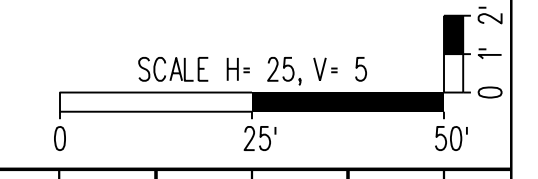
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THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT-OF-WAY.

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



PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	25(7D)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

# Profile Sheet

## Ramp 2A

### Sta. 59+00 to 66+00



STA = 61+22.00  
 EL = 282.09  
 SSD = 724'  
 ex = 1.65'  
 K = 153  
 L = 450.00  
 V = 60 mph

STA = 67+26.00  
 EL = 293.80  
 SSD = 1483'  
 ex = -0.33'  
 K = 392  
 L = 320.00  
 V = 75 mph

LP STA = 60+50.06  
 Elev. = 283.57

423' Super Section  
 @ -7.7%

185' Transition  
 @ -7.7% to 2%

Normal Crown  
 @ -2%

Match Line: Sta. 66+00 See Sheet 25(7E)

NOVA DISTRICT DESIGN UNIT

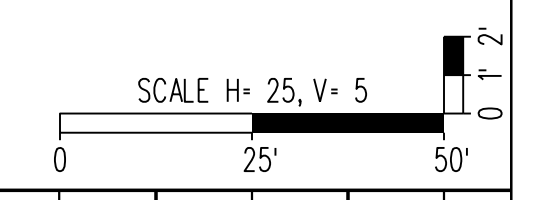
Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

PH PLAN

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

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PROJECT MANAGER PWC DOT: Mary Anters (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



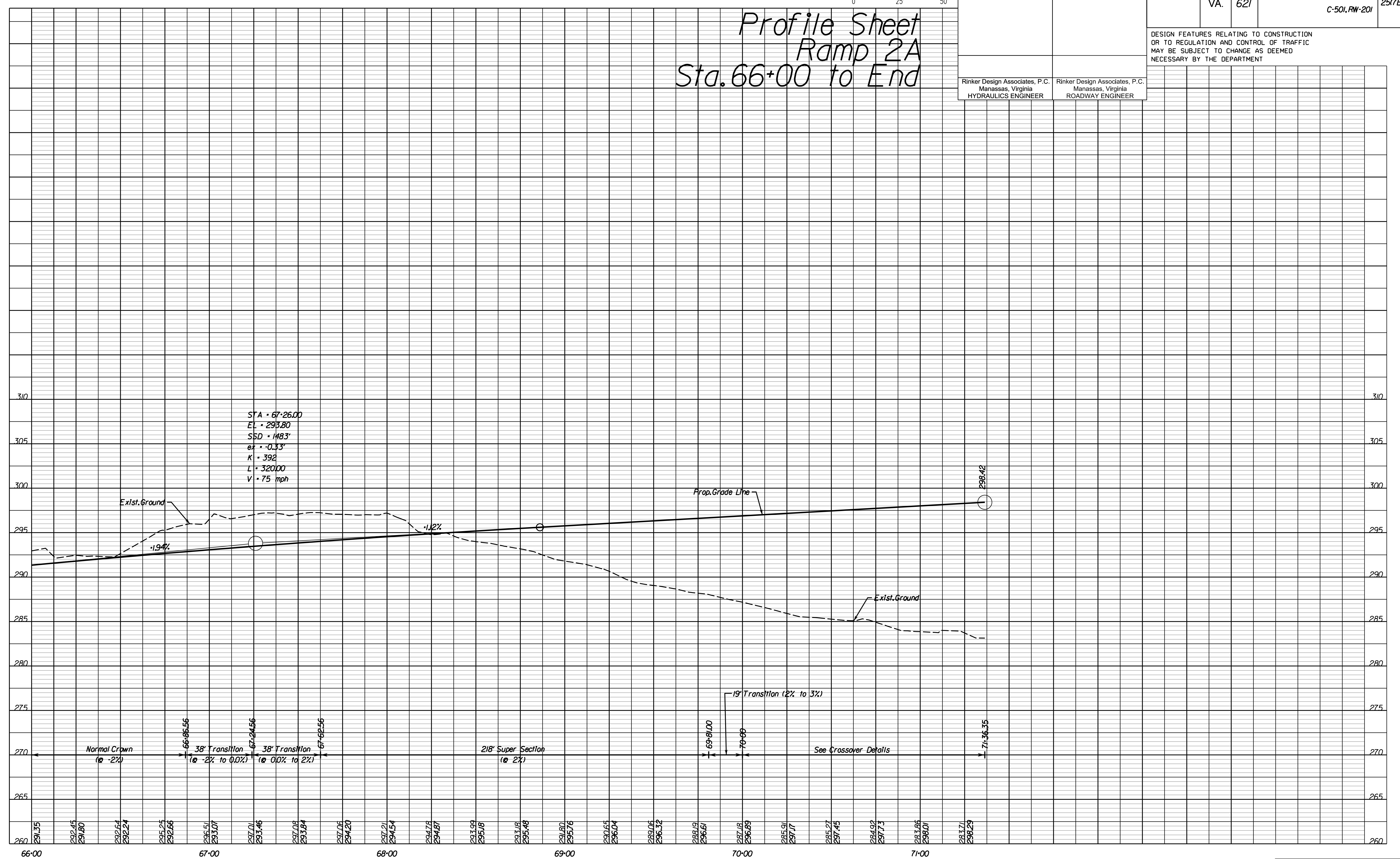
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(7E)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

Profile Sheet  
 Ramp 2A  
 Sta. 66+00 to End



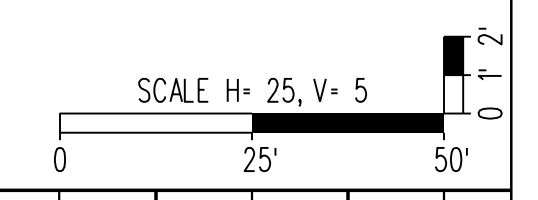
PH PLAN

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

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



PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



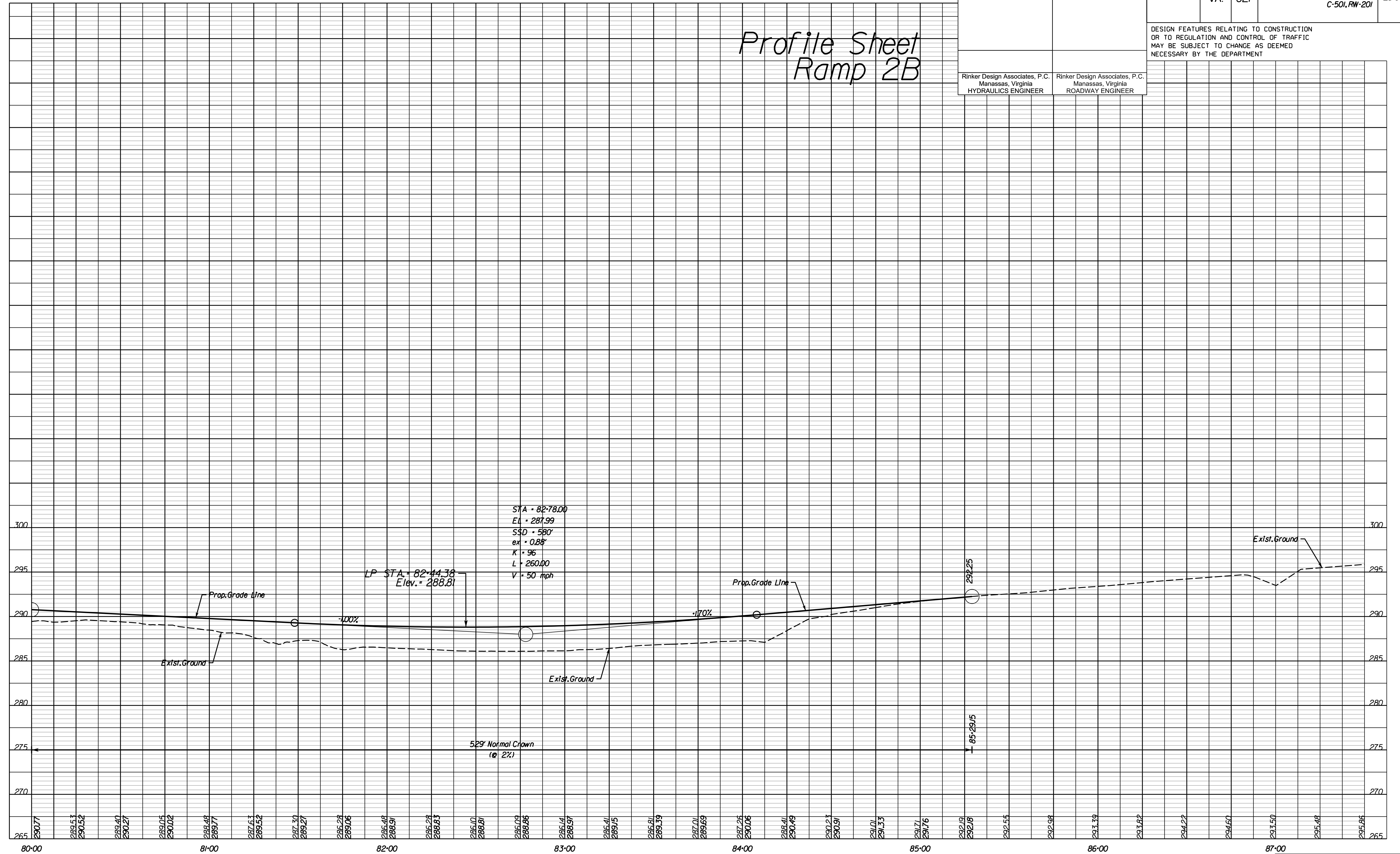
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(8)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

Profile Sheet  
 Ramp 2B



PH PLAN

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



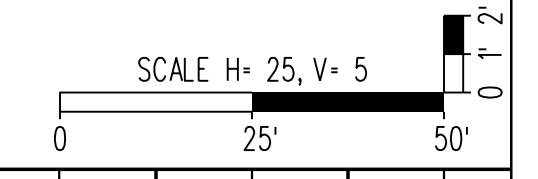
NOVA DISTRICT DESIGN UNIT

Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right-of-Way Services

Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Washington, DC



PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(9)

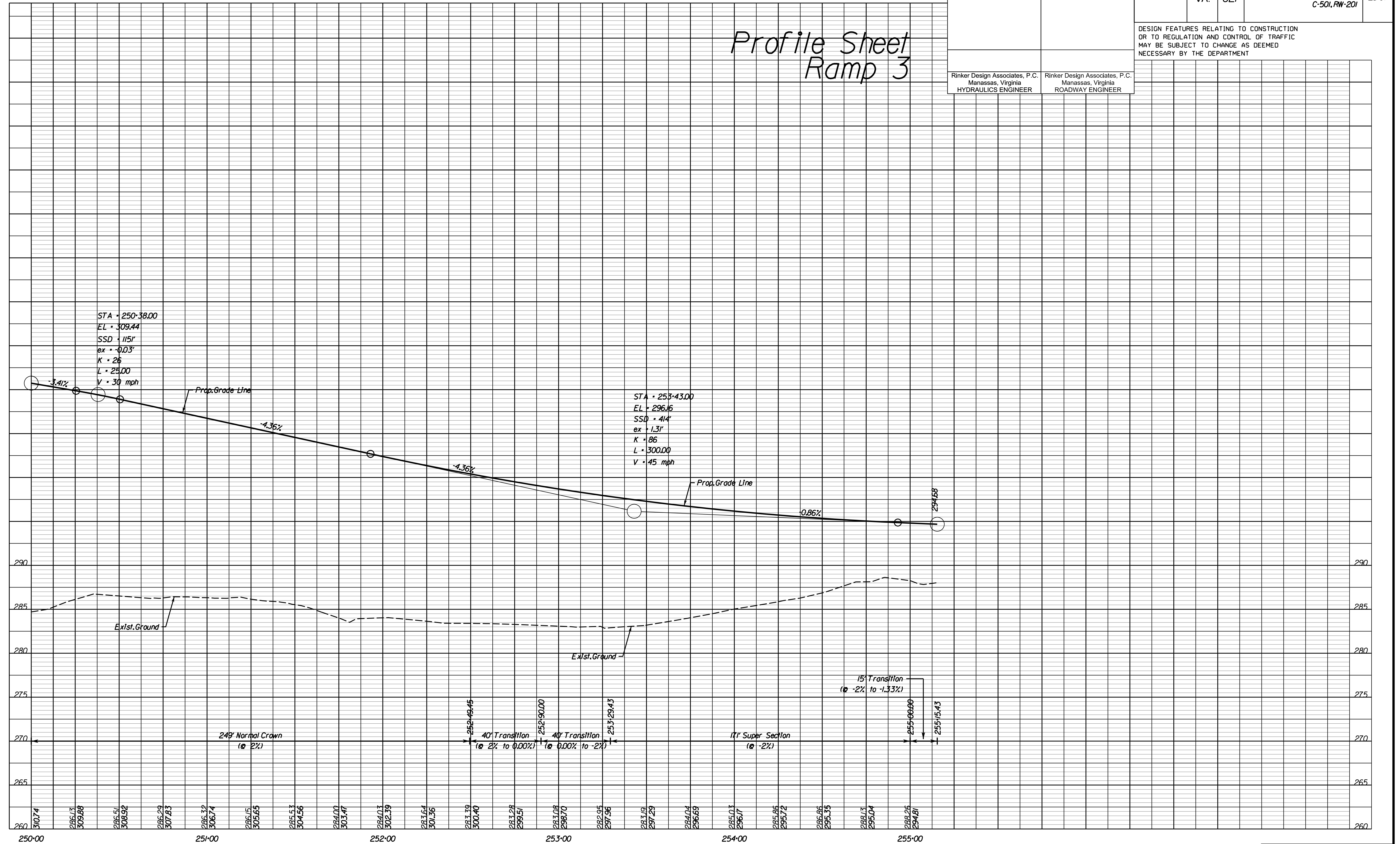
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

Profile Sheet  
 Ramp 3

NOVA DISTRICT DESIGN UNIT  
**LANE**  
**Rinker** Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right-of-Way Services

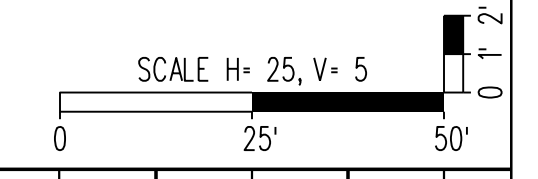


PH PLAN

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

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

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(10A)

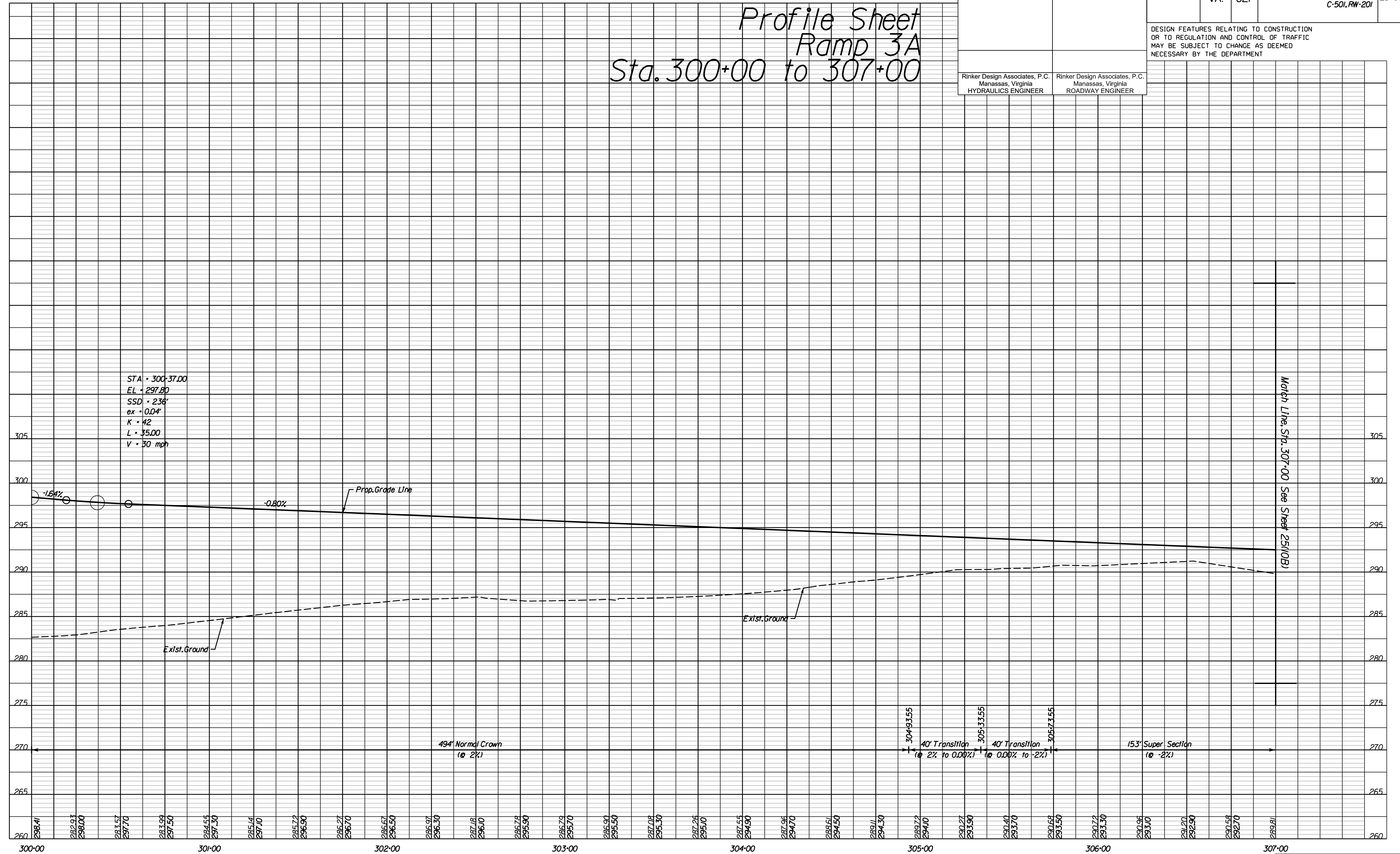
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

Profile Sheet  
 Ramp 3A  
 Sta. 300+00 to 307+00

STA = 300+37.00  
 EL = 297.80  
 SSD = 236'  
 ex = 0.04'  
 K = 42  
 L = 35.00  
 V = 30 mph



Match Line Sta. 307+00 See Sheet 25(10B)

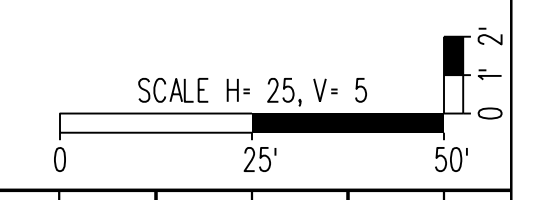
PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	25(10B)

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

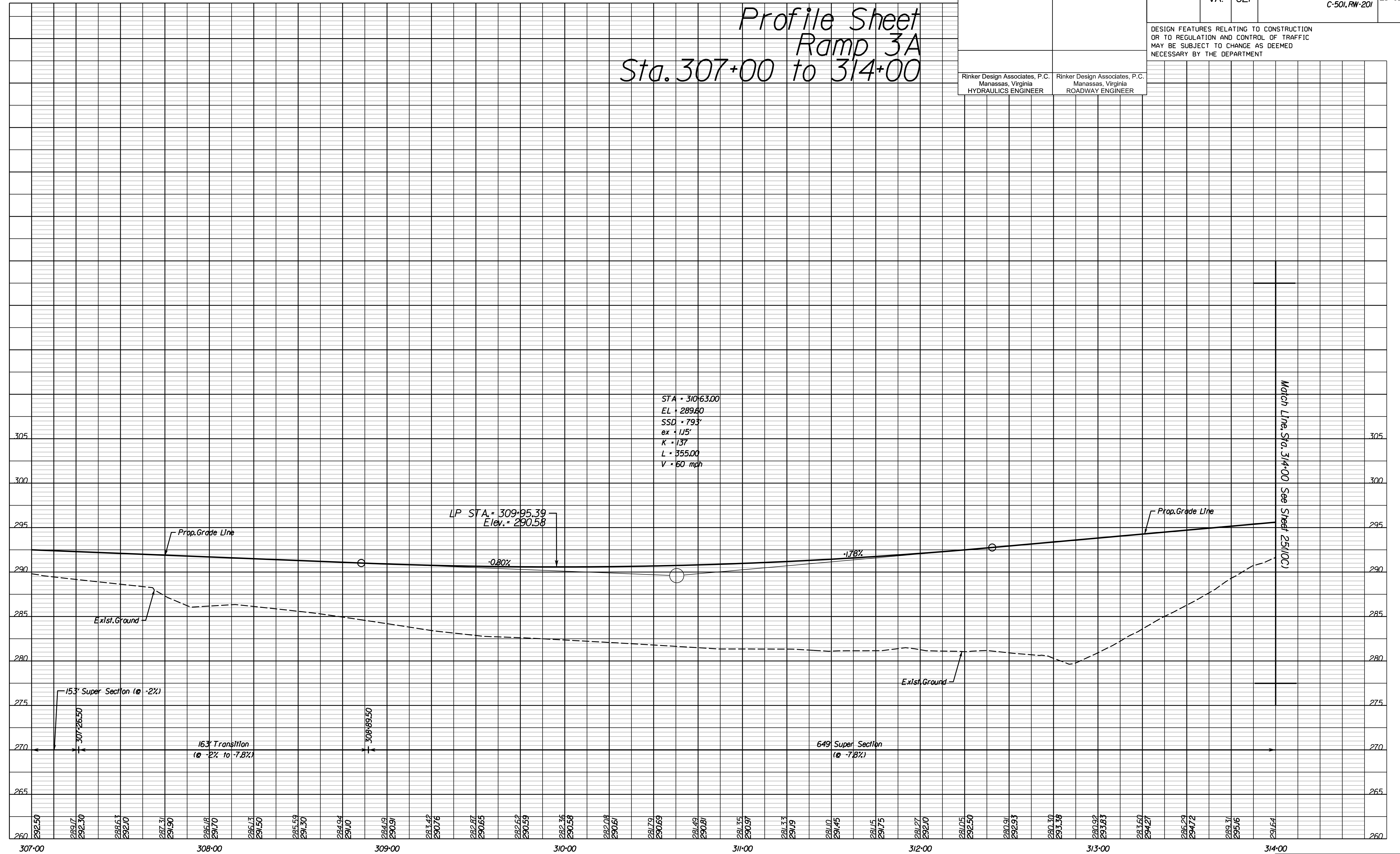
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

# Profile Sheet

## Ramp 3A

### Sta. 307+00 to 314+00



Match Line Sta. 314+00 See Sheet 25(10C)

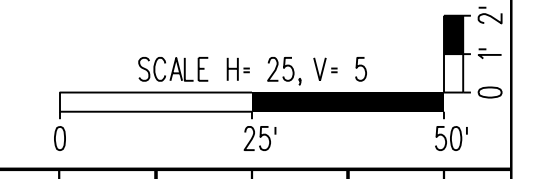
PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(10C)

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

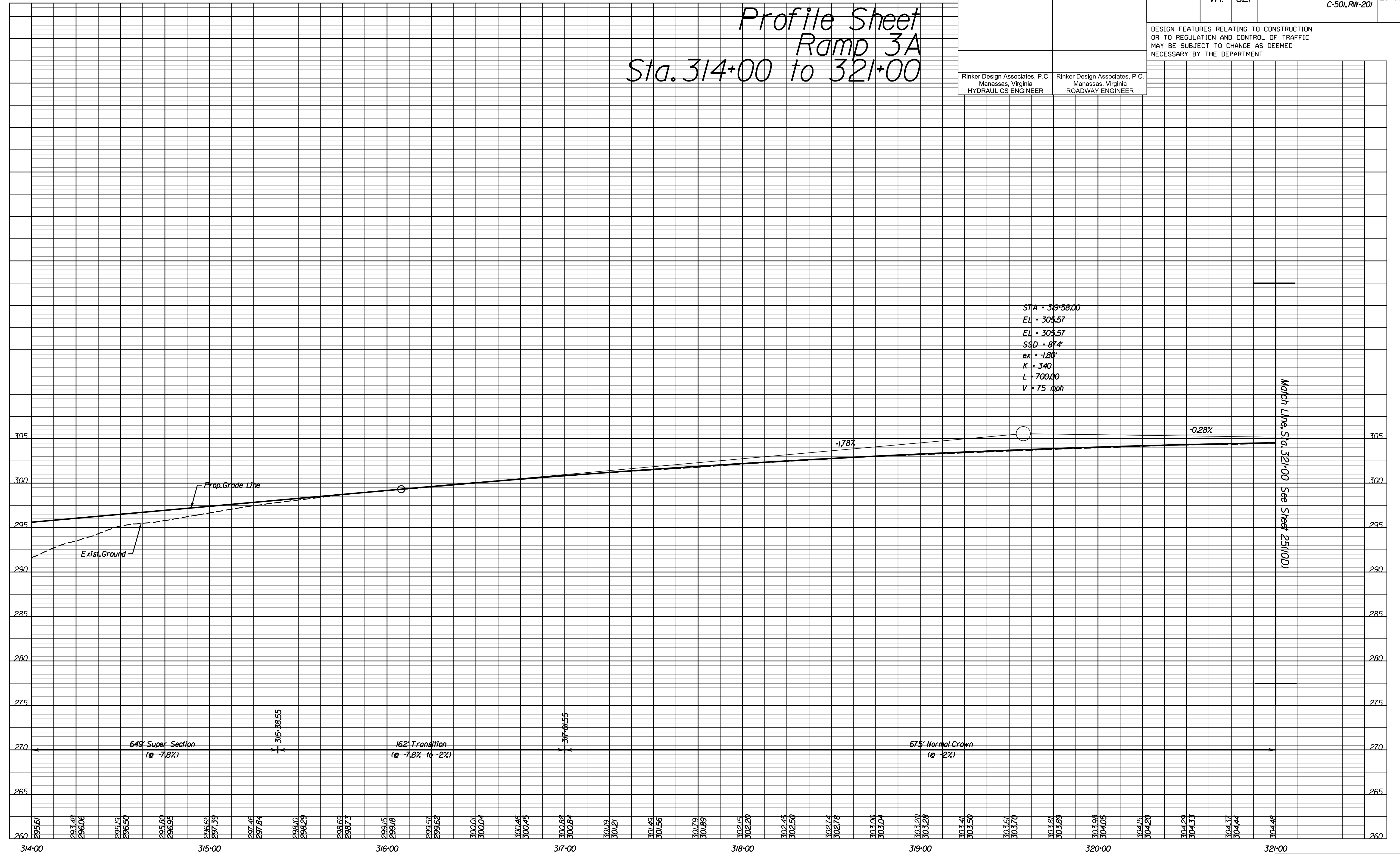
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

# Profile Sheet

## Ramp 3A

### Sta. 314+00 to 321+00



Match Line: Sta. 321+00 See Sheet 25(10D)

NOVA DISTRICT DESIGN UNIT

**LANE**

Rinker Design Associates, P.C.

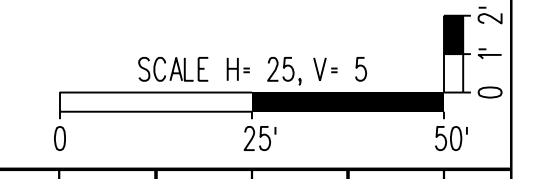
Civil Engineering • Surveying • Land Planning  
 Transportation • Right-of-Way Services

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(10D)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

Profile Sheet  
 Ramp 3A  
 Sta. 321+00 to End

STA = 319+58.00  
 EL = 305.57  
 EL = 305.57  
 SSD = 87'  
 ex = -1.80'  
 K = 340  
 L = 700.00  
 V = 75 mph

HP STA = 322+14.22  
 Elev. = 304.73



PH PLAN

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

VDOT PROJECT  
 6234-076-266  
 PWC PROJECT  
 SPR2019-00101

SHEET NO.  
 25(10D)

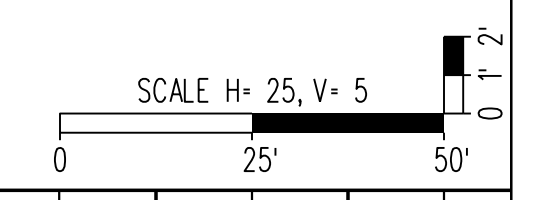


NOVA DISTRICT DESIGN UNIT

Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right-of-Way Services

Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Washington, DC

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(11)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

Profile Sheet  
 Ramp 4

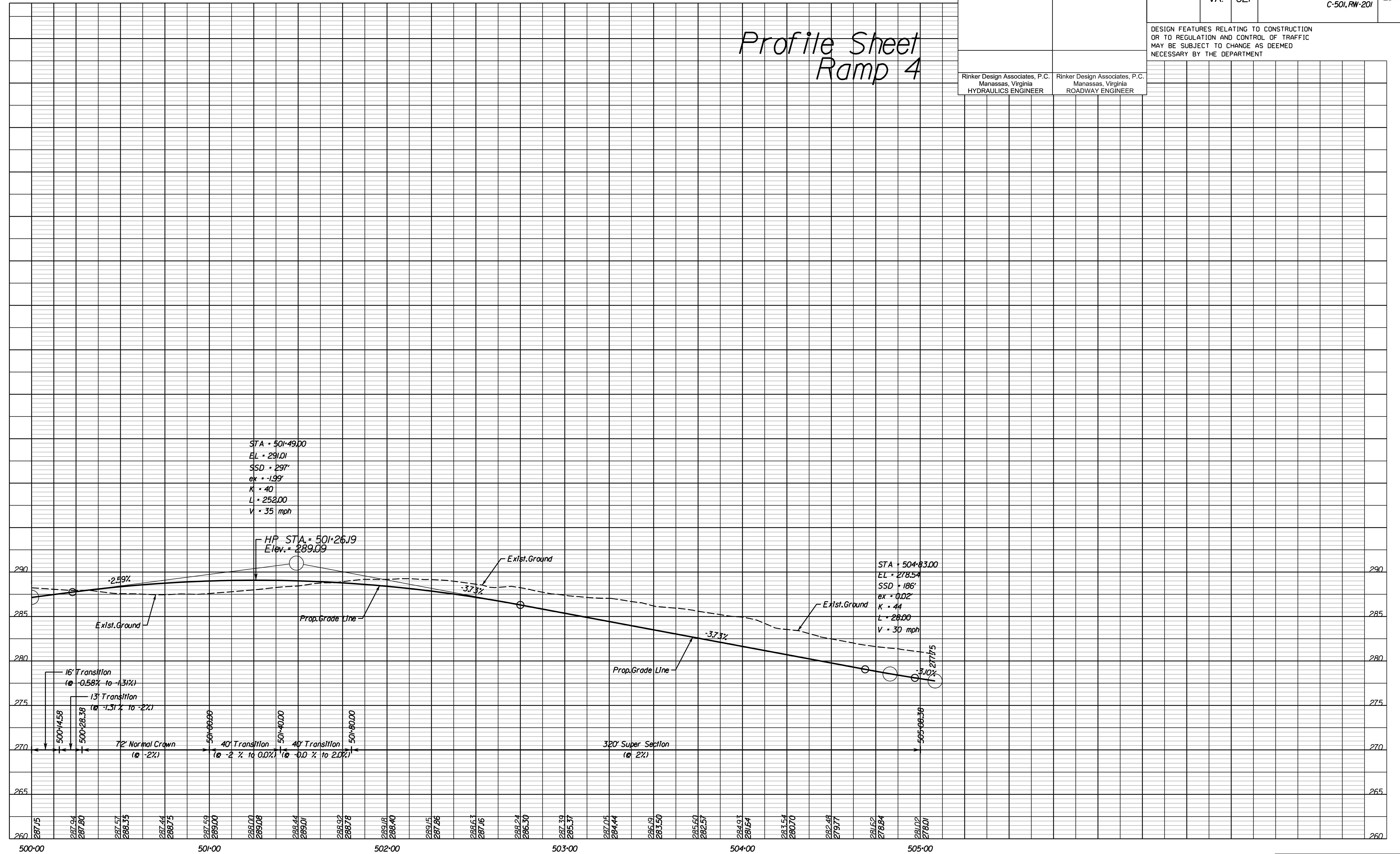
NOVA DISTRICT DESIGN UNIT

**LANE**

**Rinker**

Design Associates, P.C.

Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

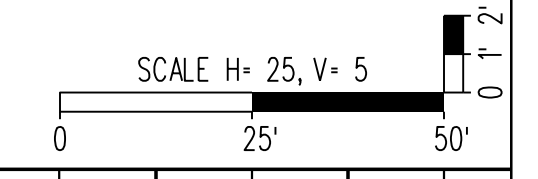


PH PLAN

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

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 11, 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(12A)

# Profile Sheet

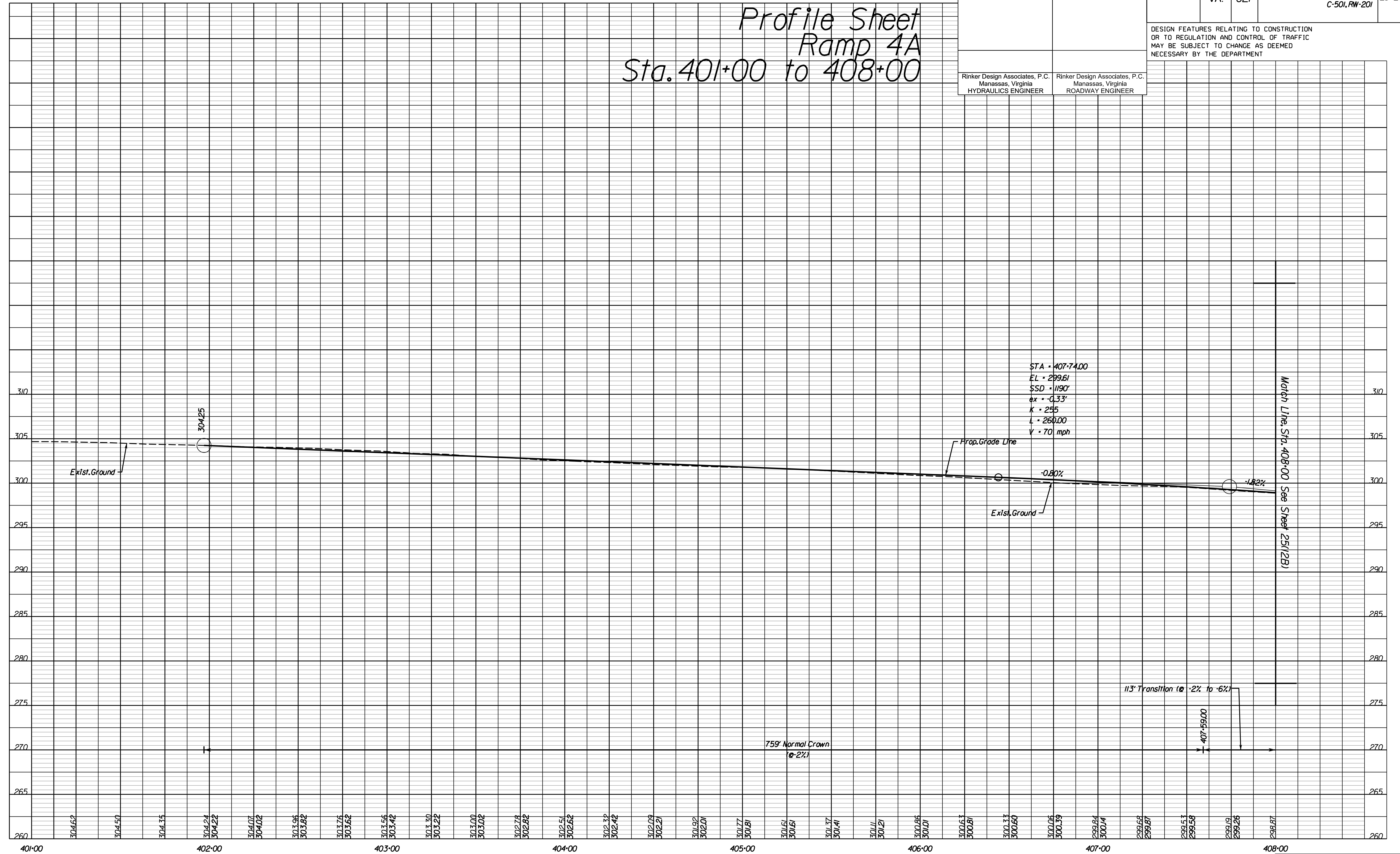
## Ramp 4A

### Sta. 401+00 to 408+00

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

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



NOVA DISTRICT DESIGN UNIT

**LANE**

Rinker

Design Associates, P.C.

Civil Engineering - Surveying - Land Planning  
 Transportation - Right-of-Way Services

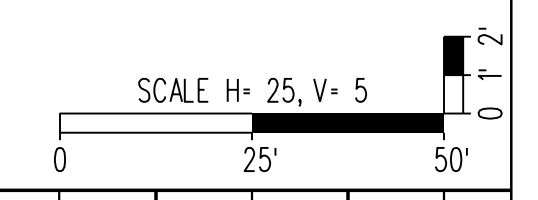
Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Washington, DC

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(12B)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

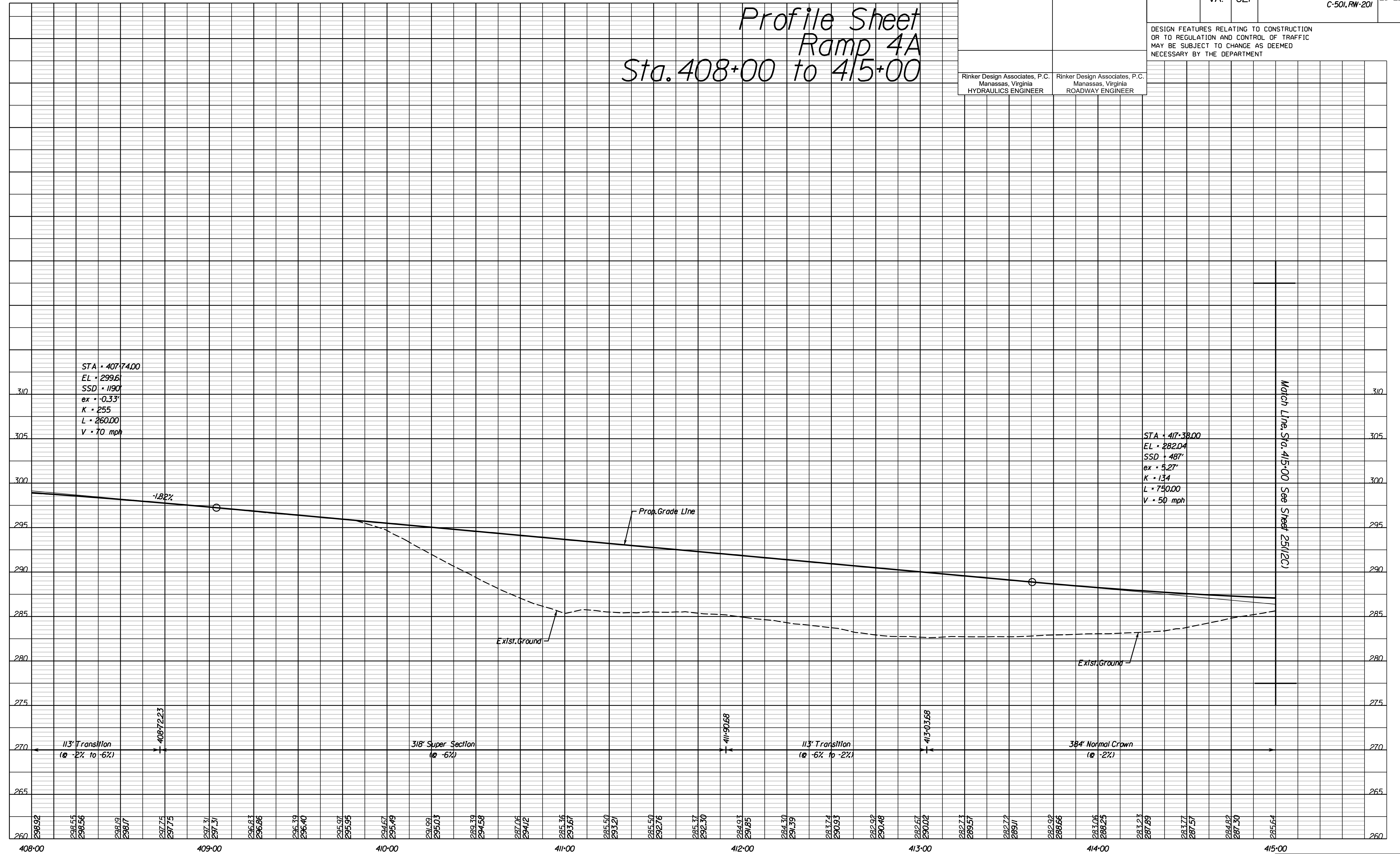
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

# Profile Sheet

## Ramp 4A

### Sta. 408+00 to 415+00

NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker  
 Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right-of-Way Services



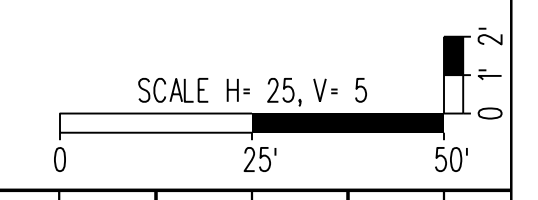
PH PLAN

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

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, July 2019



REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	25(12C)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 HYDRAULICS ENGINEER

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 ROADWAY ENGINEER

# Profile Sheet Ramp 4A Sta. 415+00 to End



PH PLAN

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

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



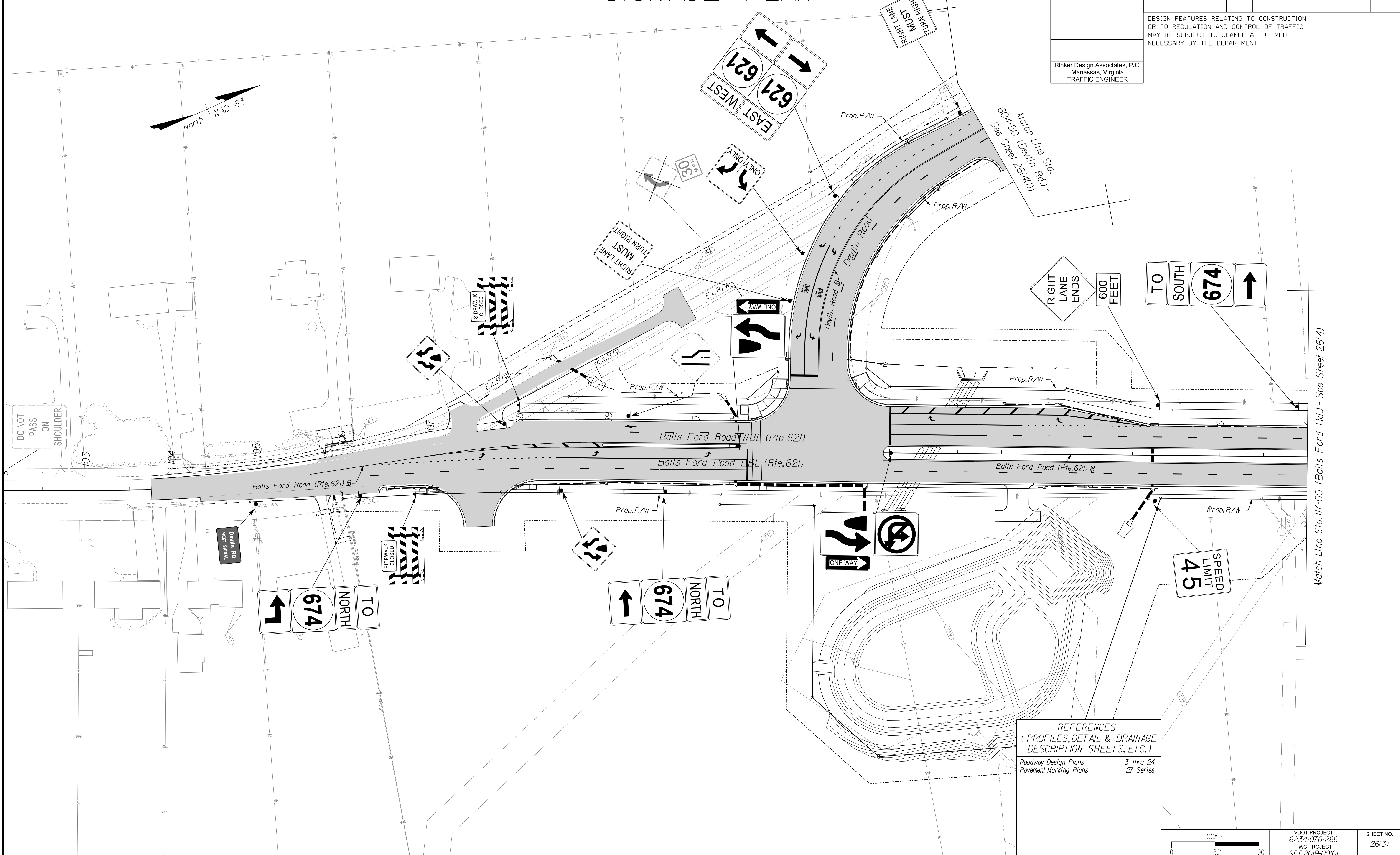
PROJECT MANAGER PWC, DOT, Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

# SIGNAGE PLAN

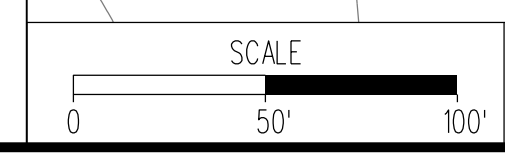
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	261(3)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER



REFERENCES  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)  
 Roadway Design Plans 3 thru 24  
 Pavement Marking Plans 27 Series



VDOT PROJECT  
 6234-076-266  
 PWC PROJECT  
 SPR2019-001(0)

SHEET NO.  
 261(3)

PH PLAN

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

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



NOVA DISTRICT DESIGN UNIT

Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right-of-Way Services

Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Vienna, VA

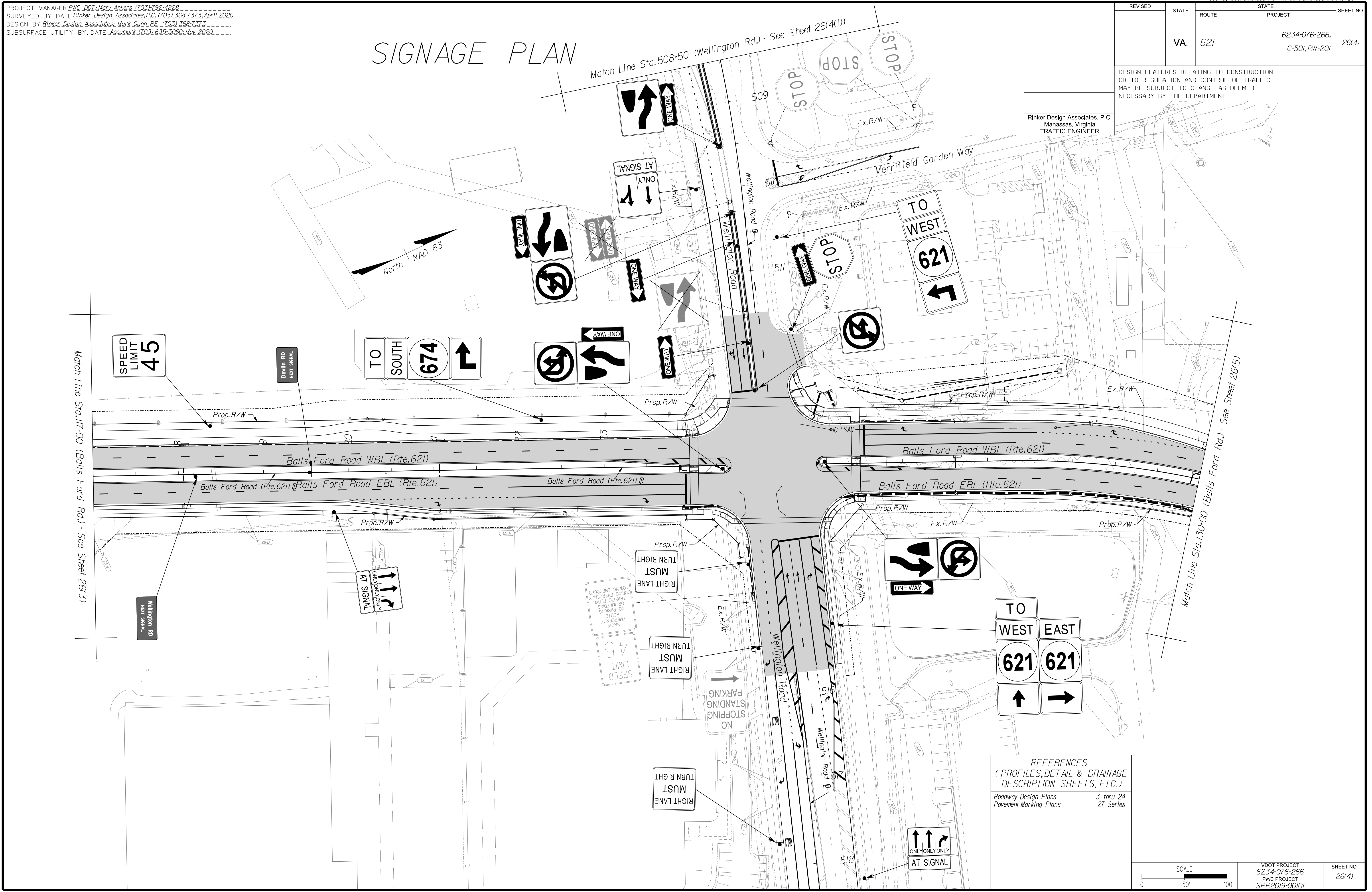
PROJECT MANAGER PWC\_DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

# SIGNAGE PLAN

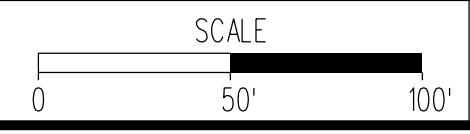
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	26(4)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER



REFERENCES  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)  
 Roadway Design Plans 3 thru 24  
 Pavement Marking Plans 27 Series

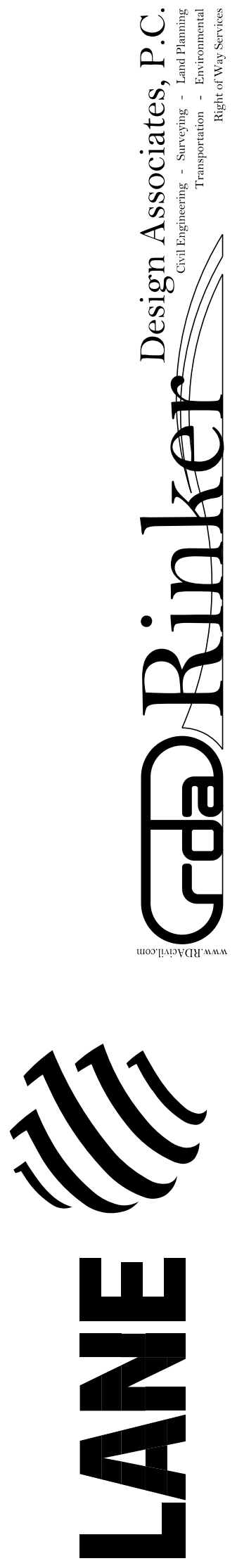


VDOT PROJECT 6234-076-266  
 PWC PROJECT SPR2019-00101  
 SHEET NO. 26(4)

PH PLAN

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

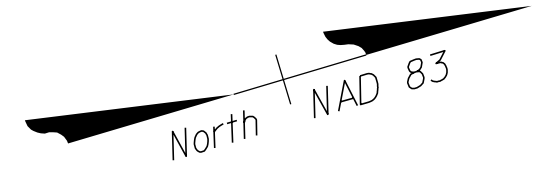
ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.



Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
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 Reston, VA  
 Springfield, VA  
 Warrenton, OR

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY DATE Accurmark (703) 635-3060, May 2020

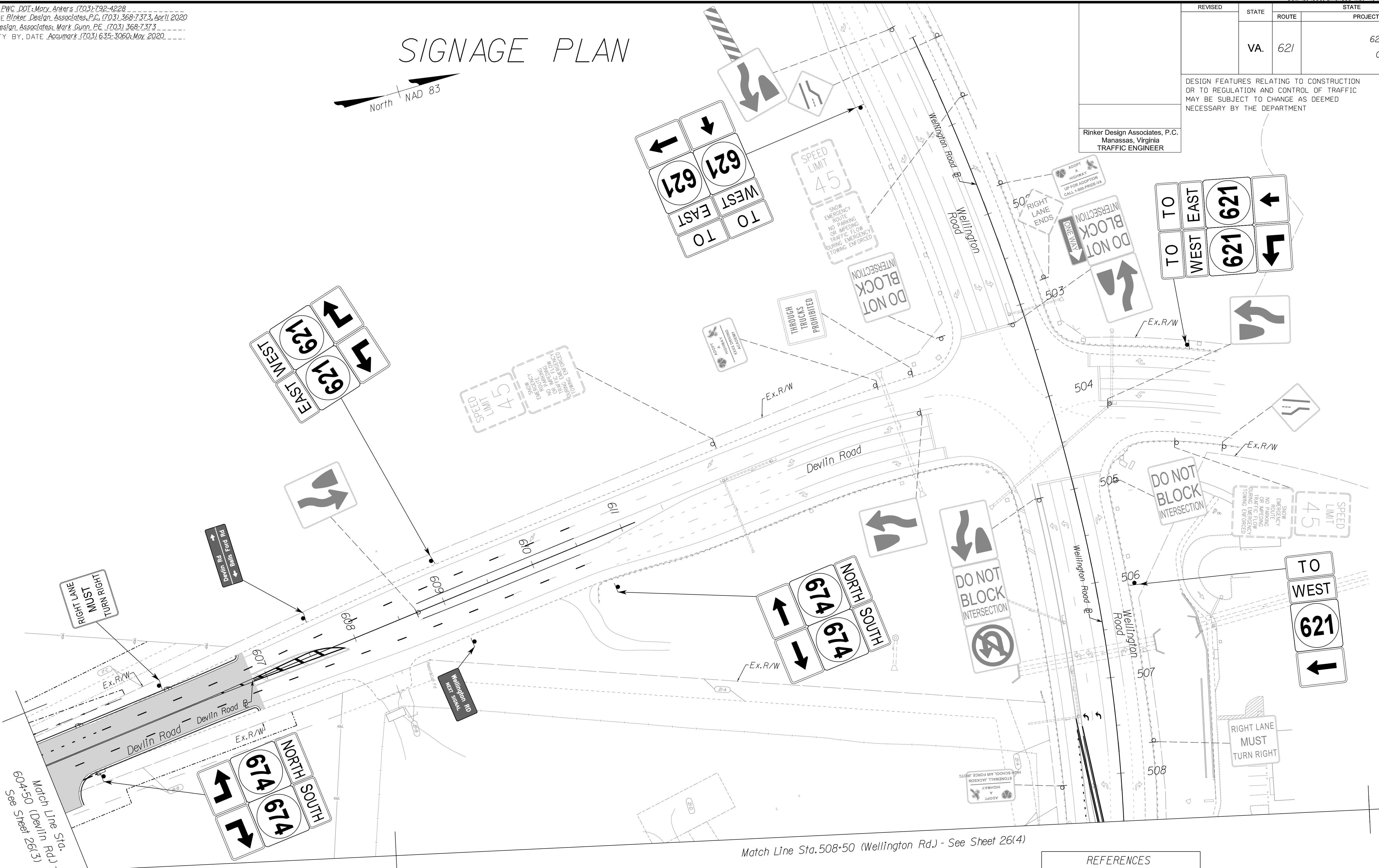
# SIGNAGE PLAN



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	26(411)

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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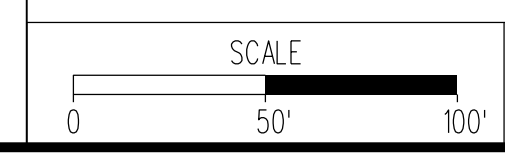
Match Line Sta. 604+50 (Devlin Rd.) - See Sheet 26(3)

See Sheet 26(3)

Match Line Sta. 508+50 (Wellington Rd.) - See Sheet 26(4)

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

Roadway Design Plans	3 thru 24
Pavement Marking Plans	26(2B(1))-26(2B(3)) 27 Series



VDOT PROJECT  
 6234-076-266  
 PWC PROJECT  
 SPR2019-001(0)

SHEET NO.  
 26(411)

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 Woodbridge, VA

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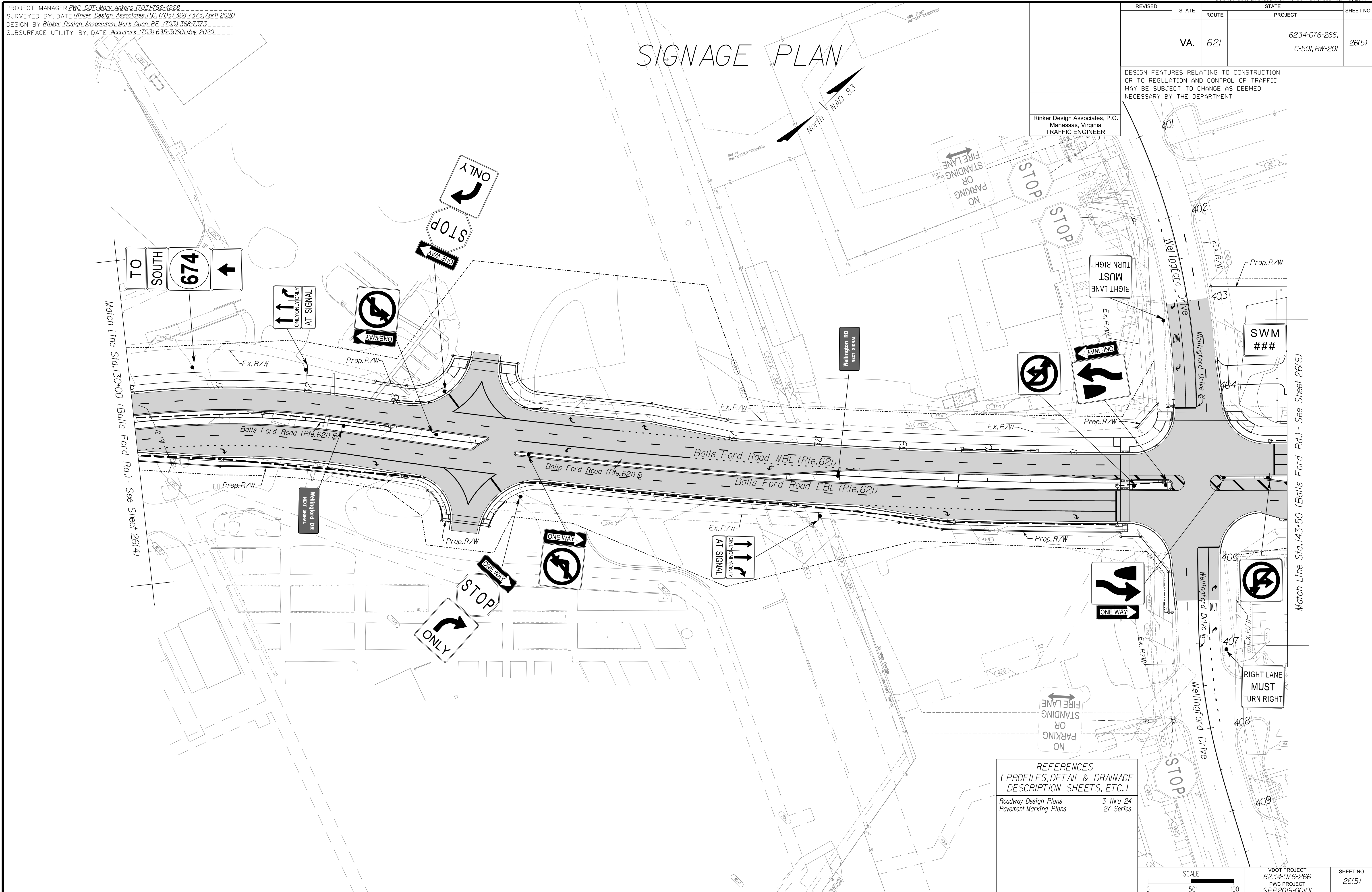
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REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	26(5)

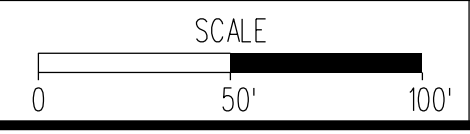
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REFERENCES  
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 Roadway Design Plans 3 thru 24  
 Pavement Marking Plans 27 Series



VDOT PROJECT  
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 PWC PROJECT  
 SPR2019-00101

SHEET NO.  
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 Northern Virginia  
 Potomac, MD  
 Reston, VA  
 Springfield, VA  
 Stafford, VA  
 Sterling, VA  
 Tyngsboro, VA  
 Warrenton, OR  
 Washington, DC  
 Winchester, VA

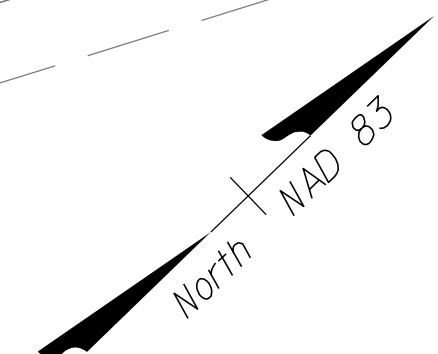
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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	26(6)

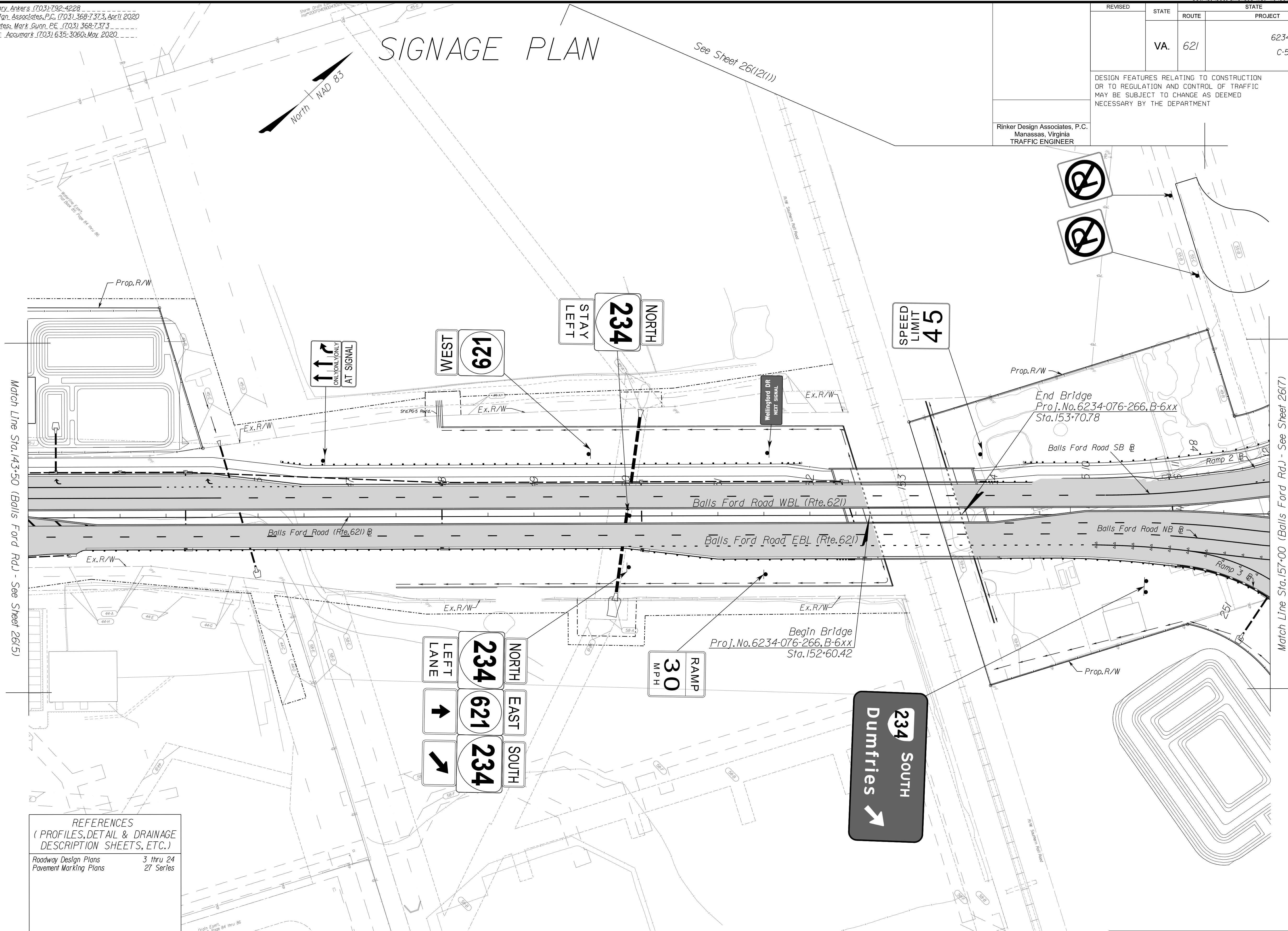
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# SIGNAGE PLAN



See Sheet 26(1211)



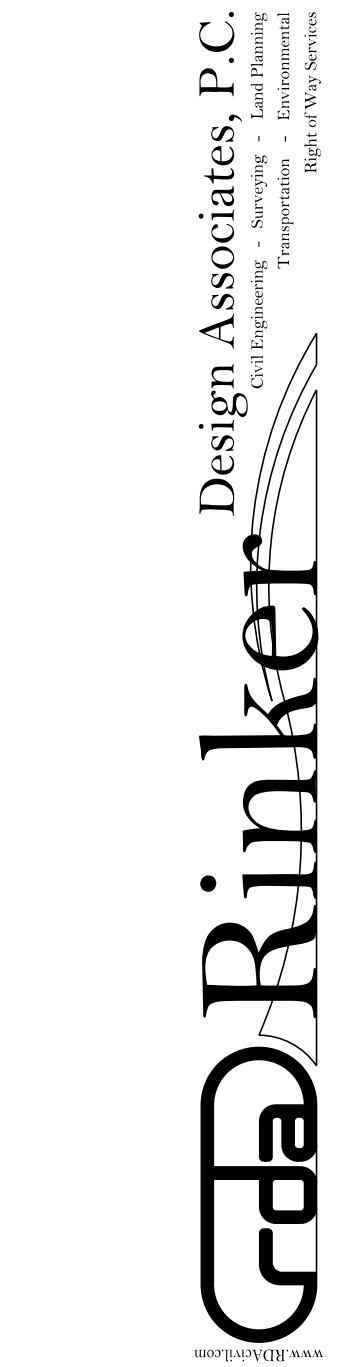
REFERENCES  
 (PROFILES, DETAIL & DRAINAGE  
 DESCRIPTION SHEETS, ETC.)  
 Roadway Design Plans 3 thru 24  
 Pavement Marking Plans 27 Series

SCALE 0 50' 100'	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(0)	SHEET NO. 26(6)
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NOVA DISTRICT DESIGN UNIT

# SIGNAGE PLAN

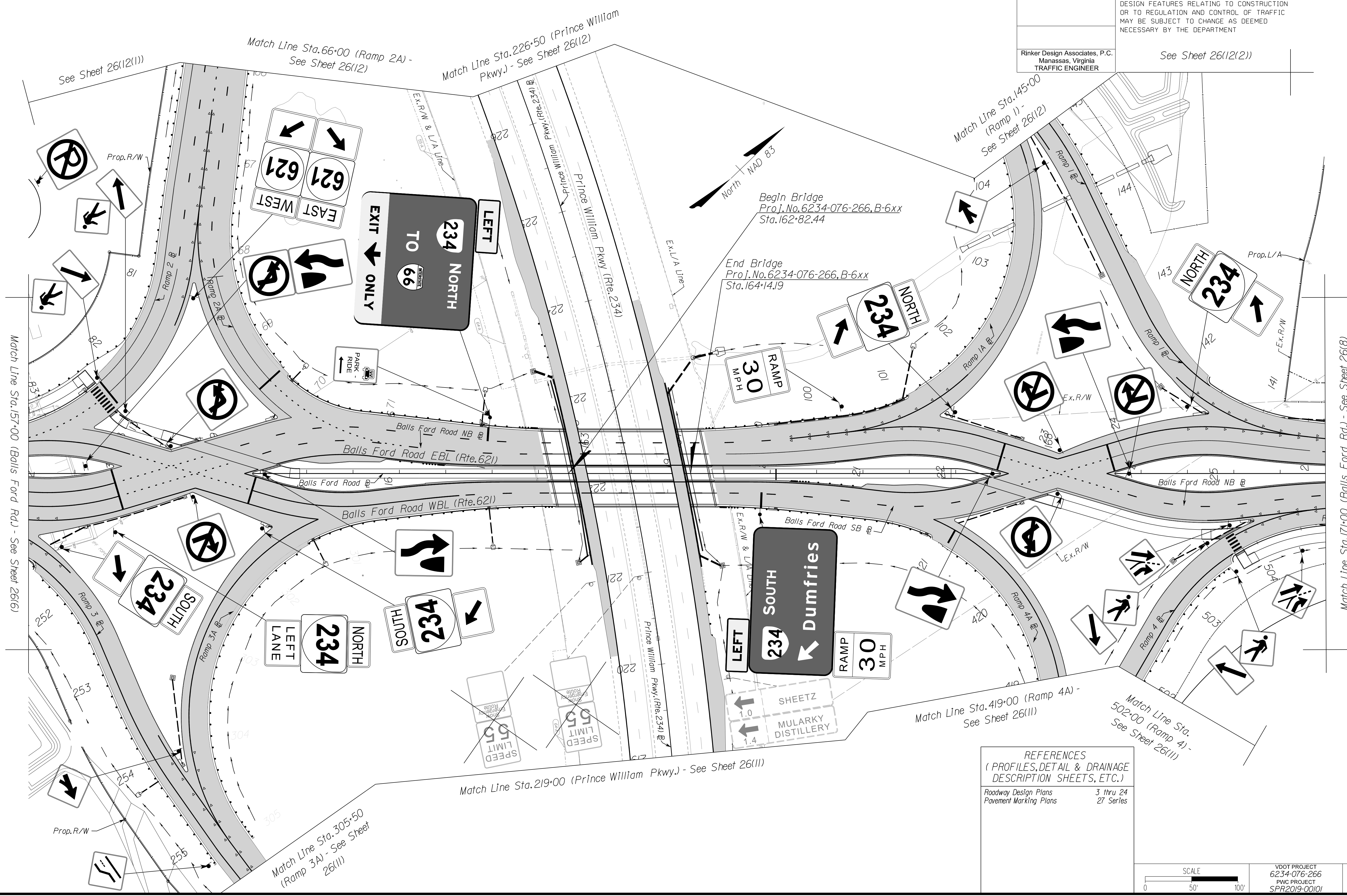
PROJECT MANAGER PWC\_DOT: Mary Ankers (703) 792-4228  
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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	26(7)

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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See Sheet 26(12)(2)



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

Roadway Design Plans	3 thru 24
Pavement Marking Plans	27 Series

SCALE 0 50' 100'	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(0)	SHEET NO. 26(7)
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 Washington, DC  
 York, PA

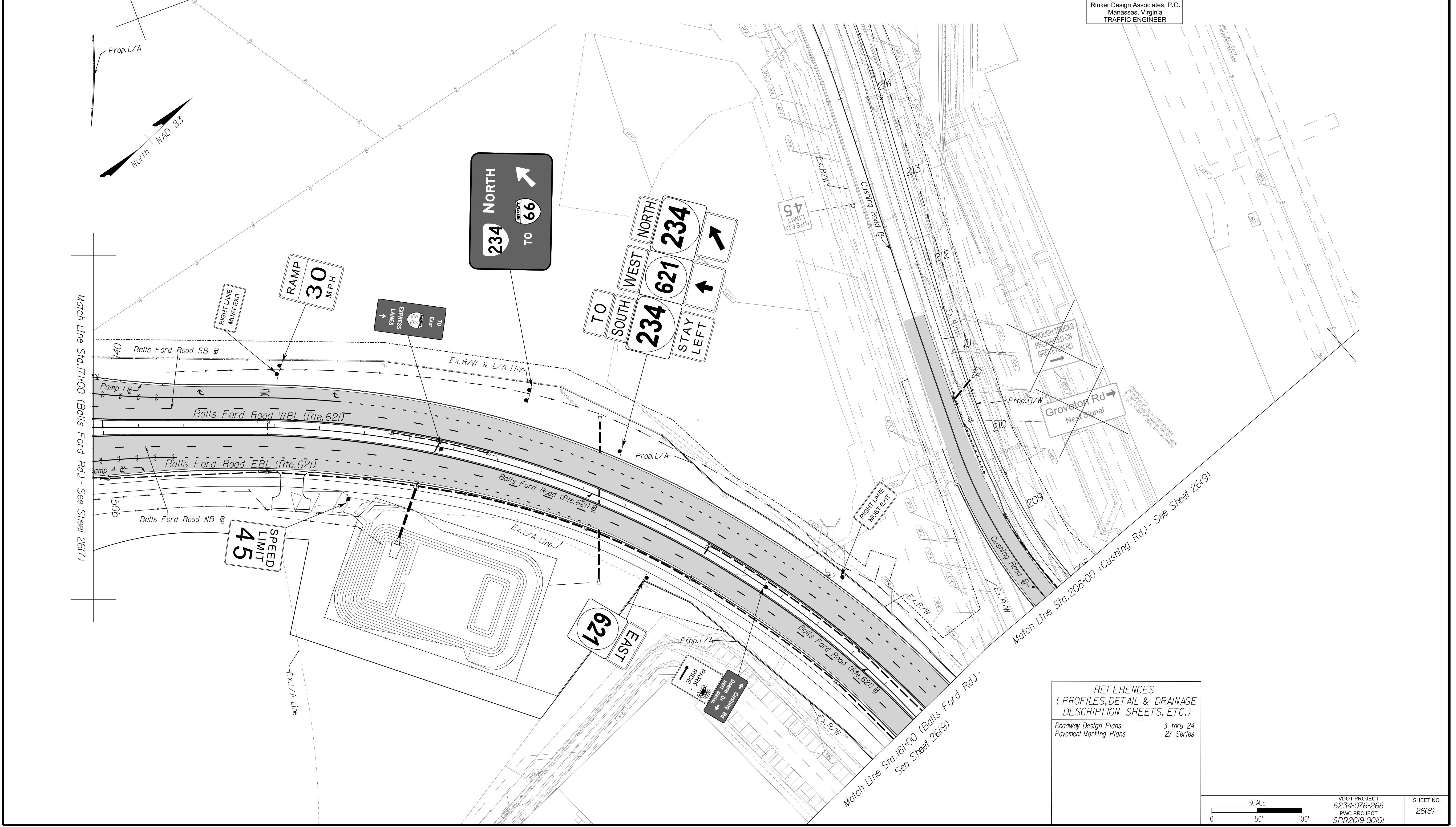
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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	26(8)

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

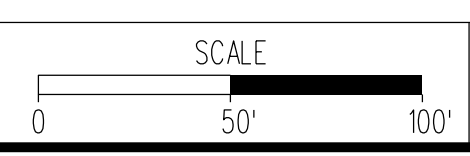
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# SIGNAGE PLAN



**REFERENCES**  
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Roadway Design Plans	3 thru 24
Pavement Marking Plans	27 Series

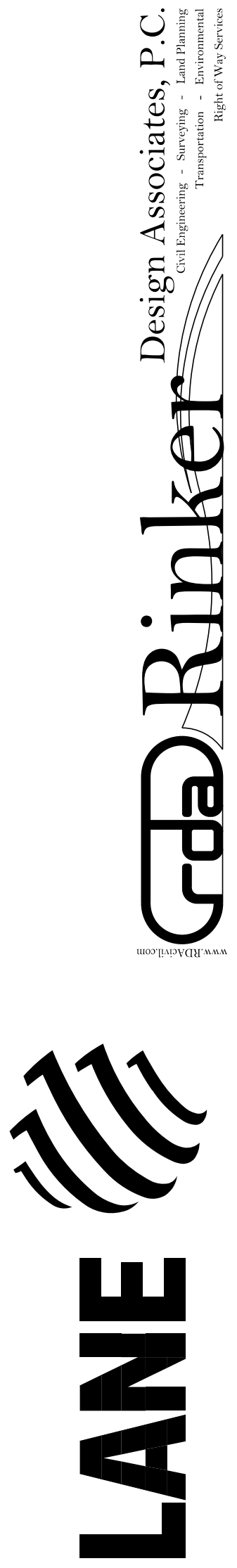


VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(0)	SHEET NO. 26(8)
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PH PLAN

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 Warrenton, OR



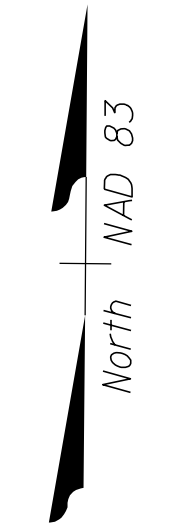
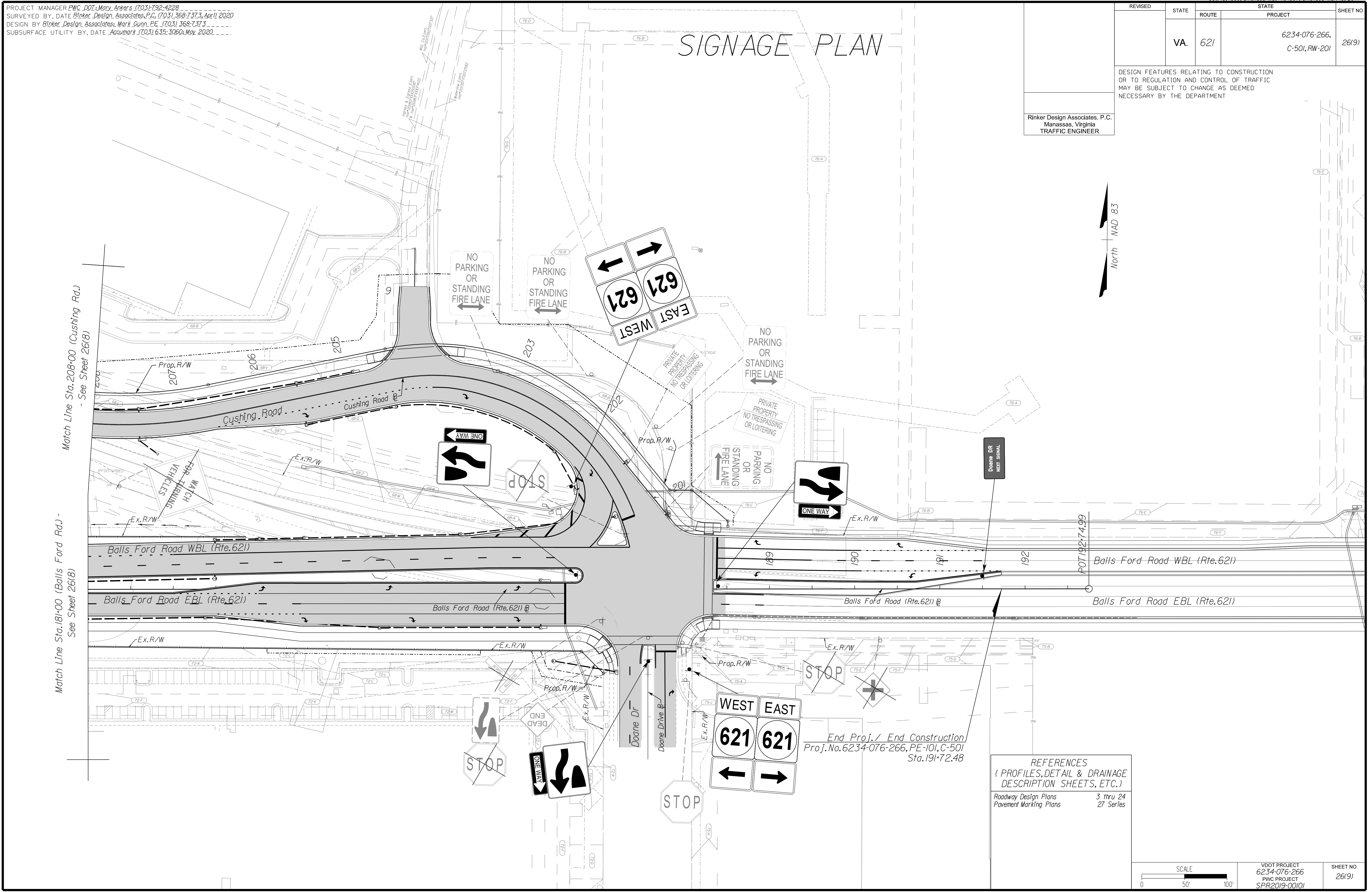
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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	26(9)

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

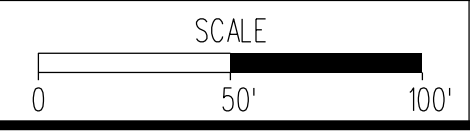
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# SIGNAGE PLAN



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Roadway Design Plans	3 thru 24
Pavement Marking Plans	27 Series



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 26(9)
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 Fairfax, VA  
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 Reston, VA  
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 Washington, DC  
 York, PA

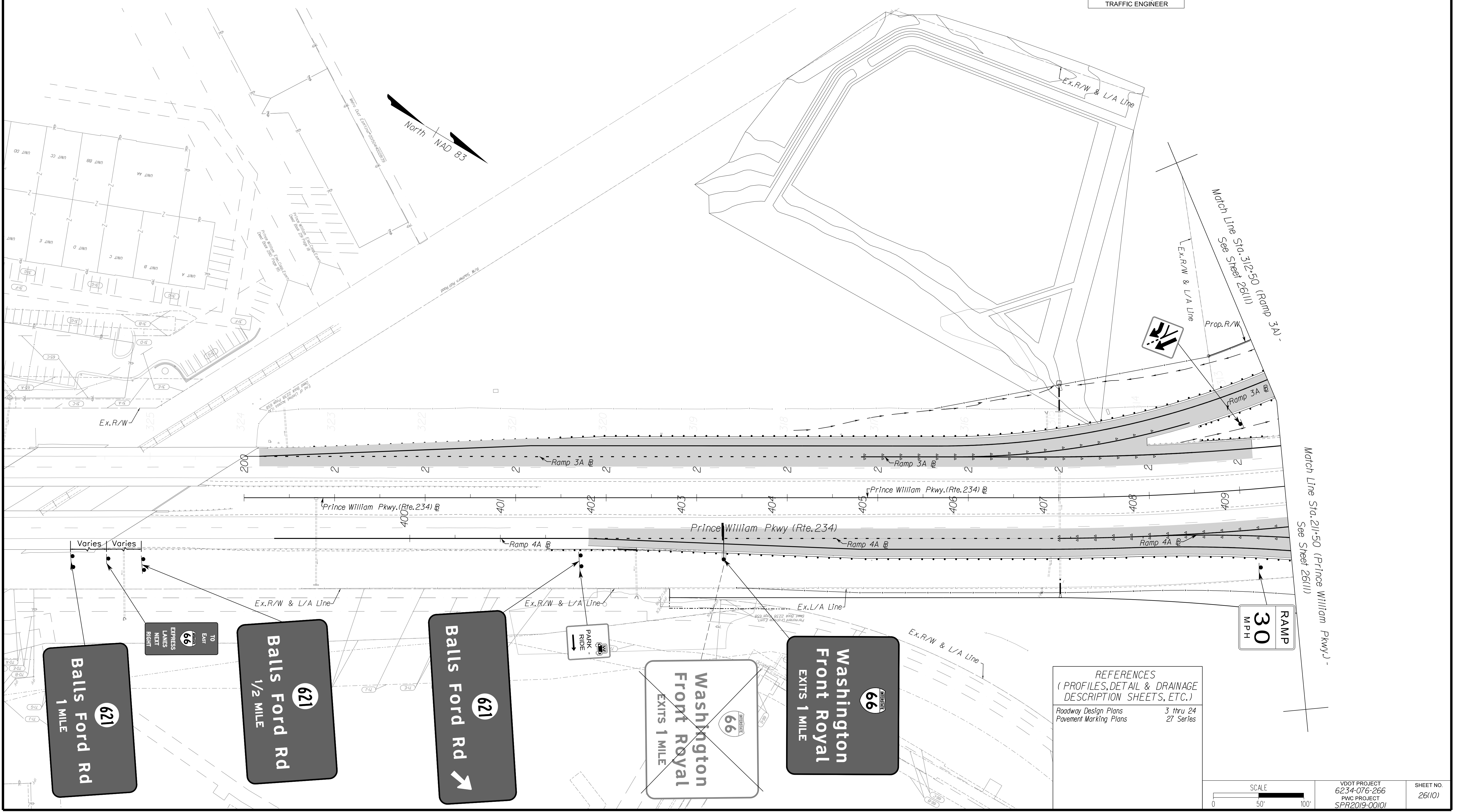
# SIGNAGE PLAN

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	26(10)

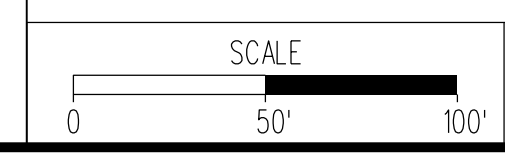
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PROJECT MANAGER PWC, DOT, Mary Ankers (703) 792-4228  
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
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SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020



**REFERENCES**  
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Roadway Design Plans 3 thru 24  
Pavement Marking Plans 27 Series

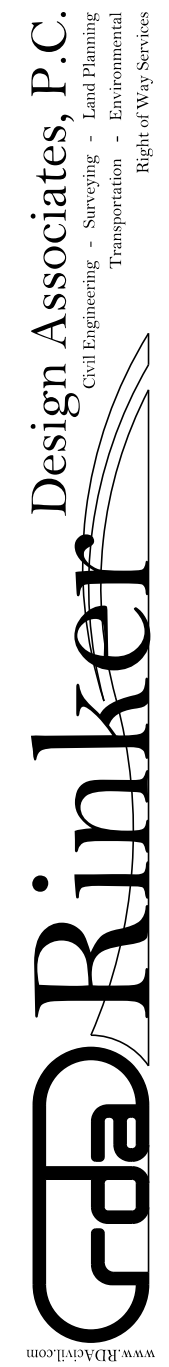


VDOT PROJECT 6234-076-266  
PWC PROJECT SPR2019-00101  
SHEET NO. 26(10)

PH PLAN

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Office Locations  
Manassas, VA  
Falls Church, VA  
Reston, VA  
Sterling, VA  
Warrenton, OR  
Wilmington, NC  
Wilmington, DE  
Wilmington, OH  
Wilmington, VA  
Wilmington, WA  
Wilmington, WI  
Wilmington, WV  
Wilmington, NC  
Wilmington, DE  
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Wilmington, WI  
Wilmington, WV

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# SIGNAGE PLAN

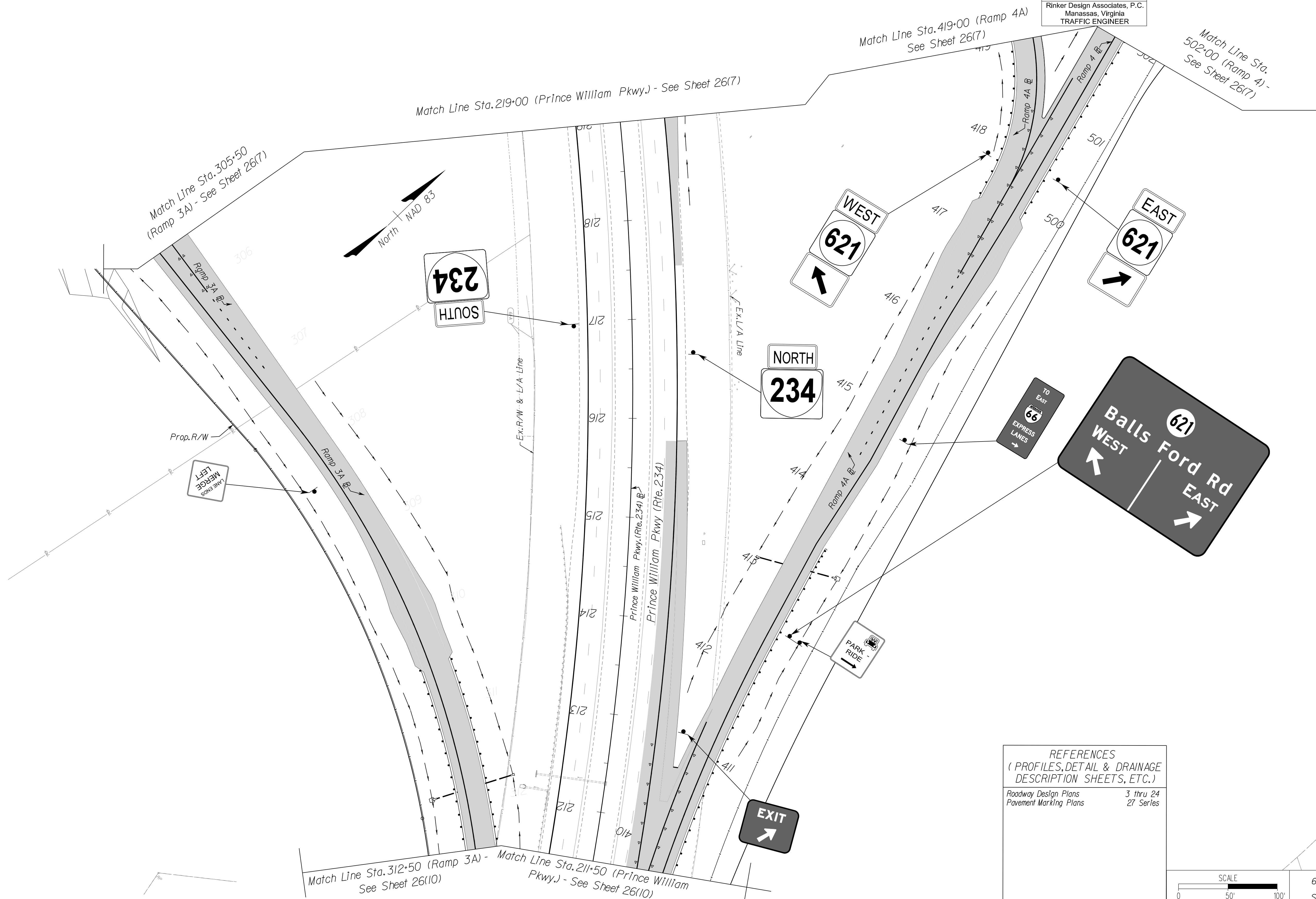
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REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	26(11)

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

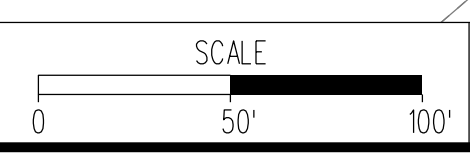
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NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker  
 Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
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REFERENCES  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 thru 24
Pavement Marking Plans	27 Series



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(0)	SHEET NO. 26(11)
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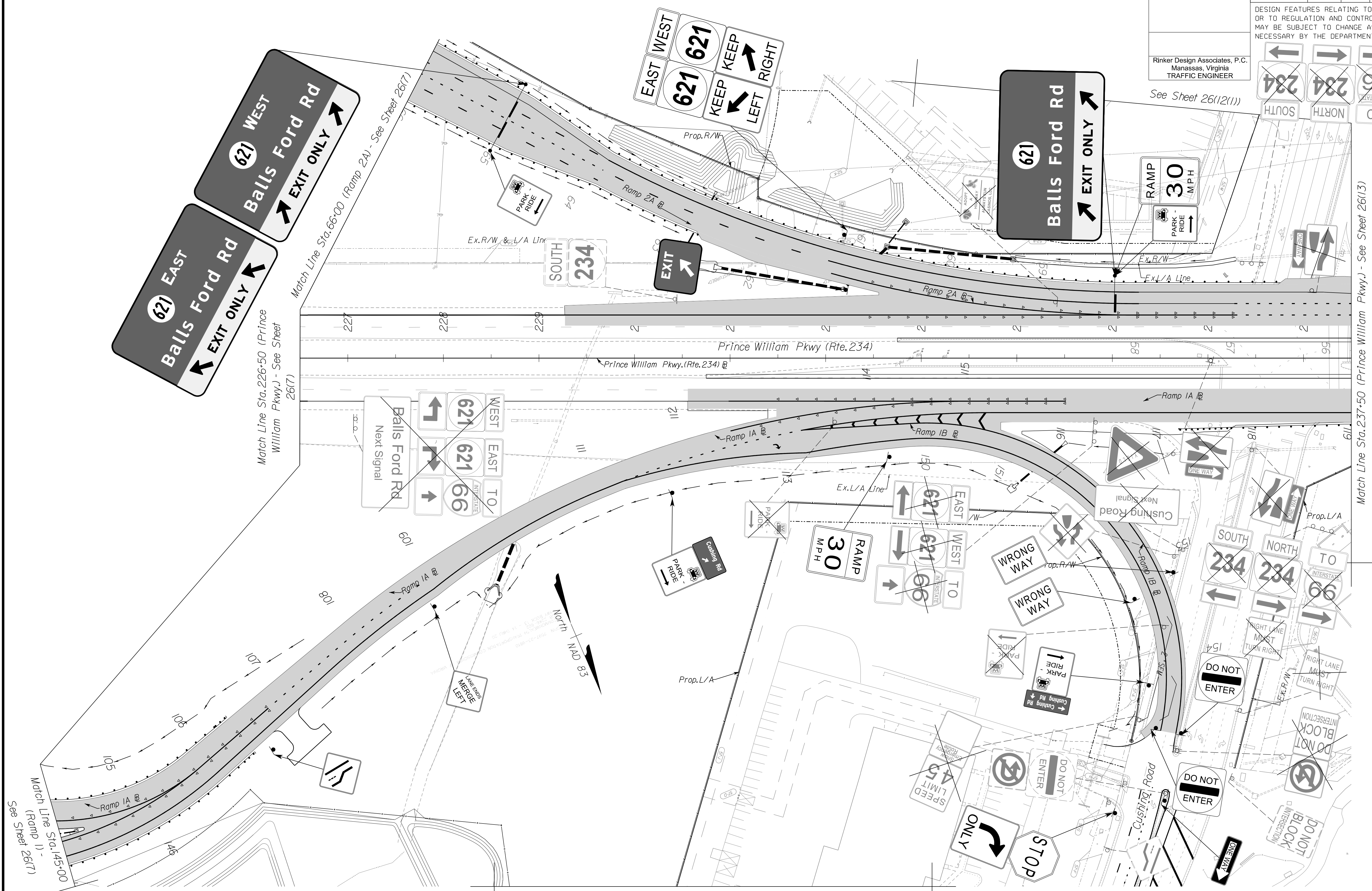
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	VA.	621	6234-076-266, C-501, RW-201	26(12)

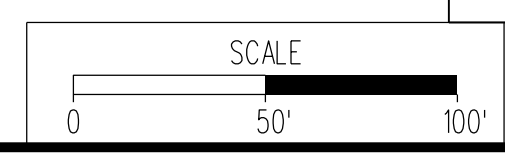
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REFERENCES  
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Roadway Design Plans	3 thru 24
Pavement Marking Plans	27 Series



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 26(12)
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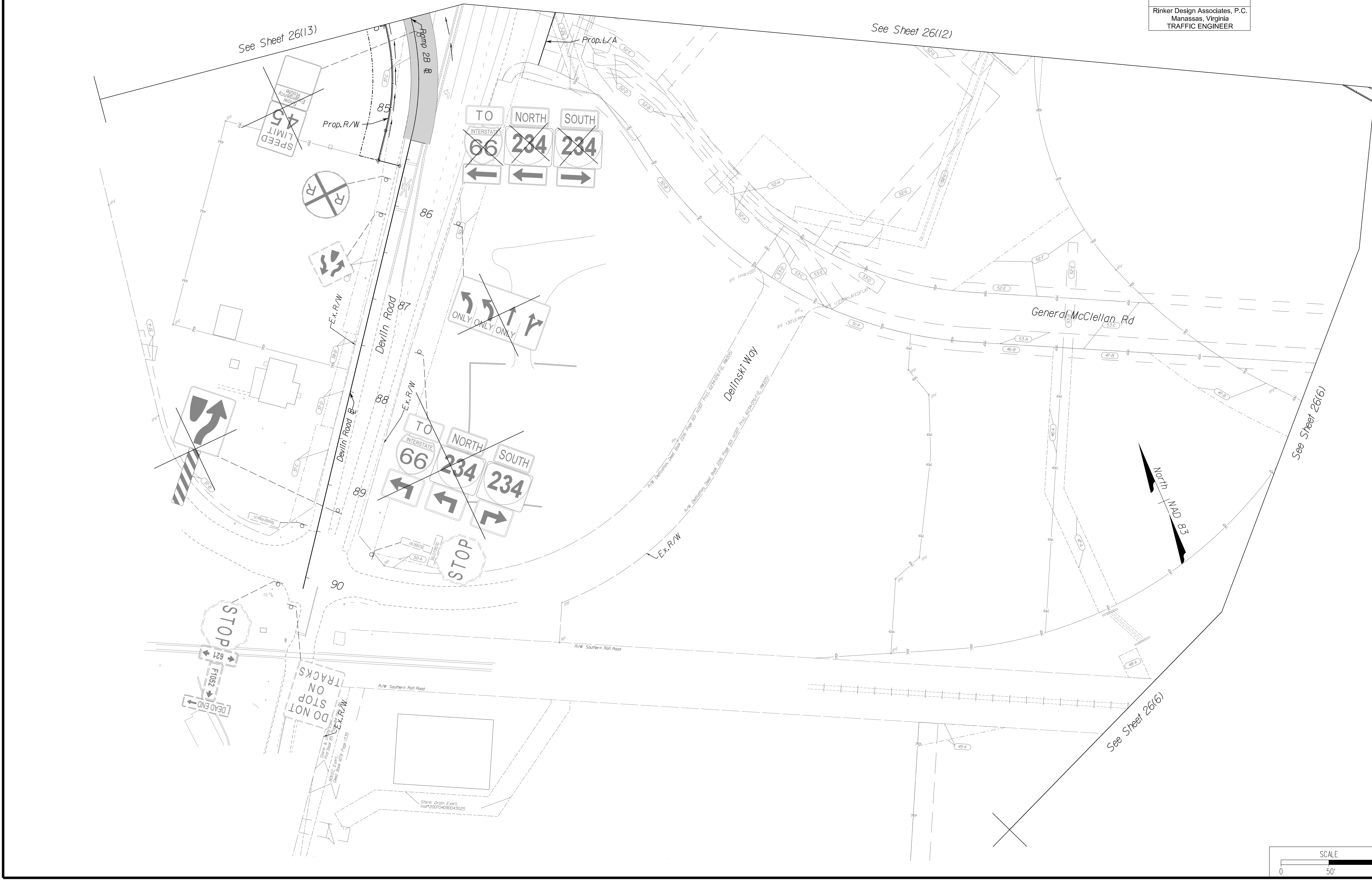
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	26(12(1))

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GDA Rinker  
Design Associates, P.C.  
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Transportation - Right-of-Way Services



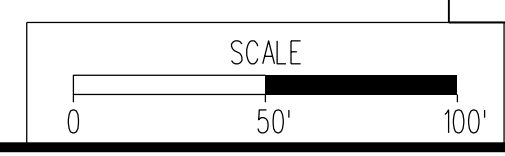
See Sheet 26(7)

See Sheet 26(6)

See Sheet 26(6)

REFERENCES  
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Roadway Design Plans	3 thru 24
Pavement Marking Plans	27 Series



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(0)	SHEET NO. 26(12(1))
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	VA.	621	6234-076-266, C-501, RW-201	26(12)

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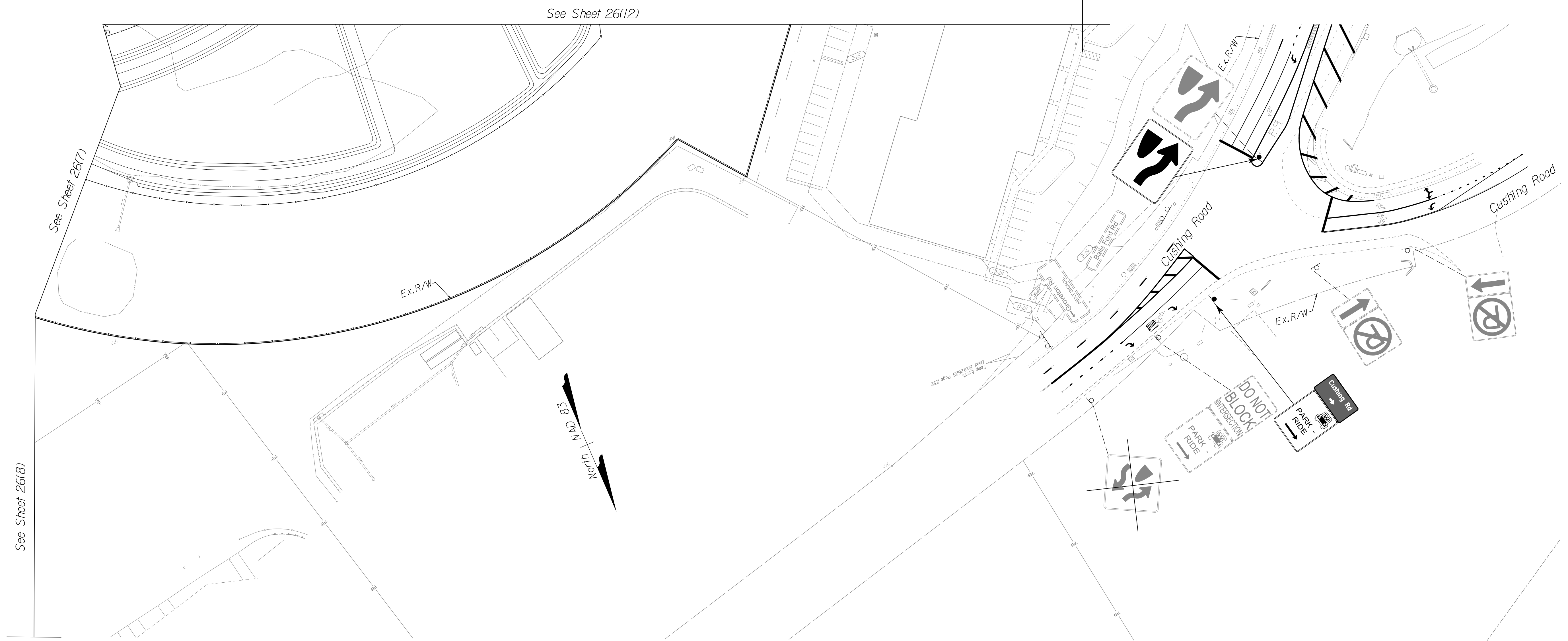
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Office Locations  
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 Stafford, VA  
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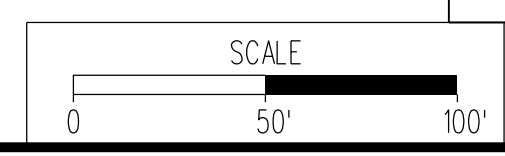


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### REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans 3 thru 24  
 Pavement Marking Plans 27 Series



VDOT PROJECT  
 6234-076-266  
 PWC PROJECT  
 SPR2019-001(1)

SHEET NO.  
 26(12)

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

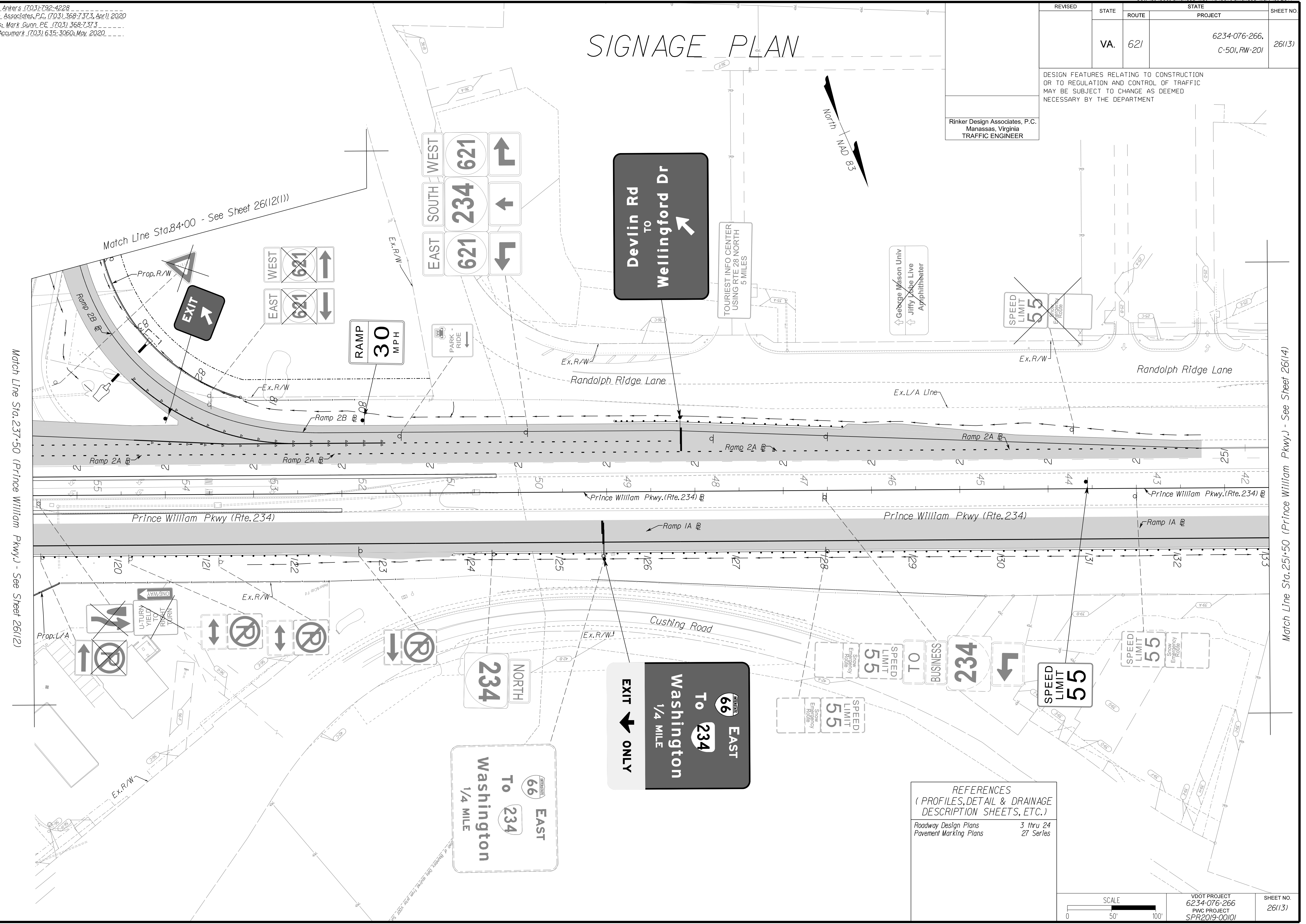
# SIGNAGE PLAN

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	26(13)

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

Rinker Design Associates, P.C.  
Manassas, Virginia  
TRAFFIC ENGINEER

PROJECT MANAGER PWC\_DOT: Mary Ankers (703) 792-4228  
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373  
SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020



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

Roadway Design Plans	3 thru 24
Pavement Marking Plans	27 Series

SCALE 0 50' 100'	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 26(13)
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PH PLAN

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

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

NOVA DISTRICT DESIGN UNIT

Office Locations  
Rinker Design Associates, P.C.  
Manassas, VA  
Rinker Design Associates, P.C.  
Falls Church, VA  
Rinker Design Associates, P.C.  
Falls Church, VA  
Rinker Design Associates, P.C.  
Falls Church, VA  
Rinker Design Associates, P.C.  
Falls Church, VA

Match Line Sta. 251+50 (Prince William Pkwy.) - See Sheet 26(14)

Match Line Sta. 237+50 (Prince William Pkwy.) - See Sheet 26(12)

Match Line Sta. 84+00 - See Sheet 26(11)

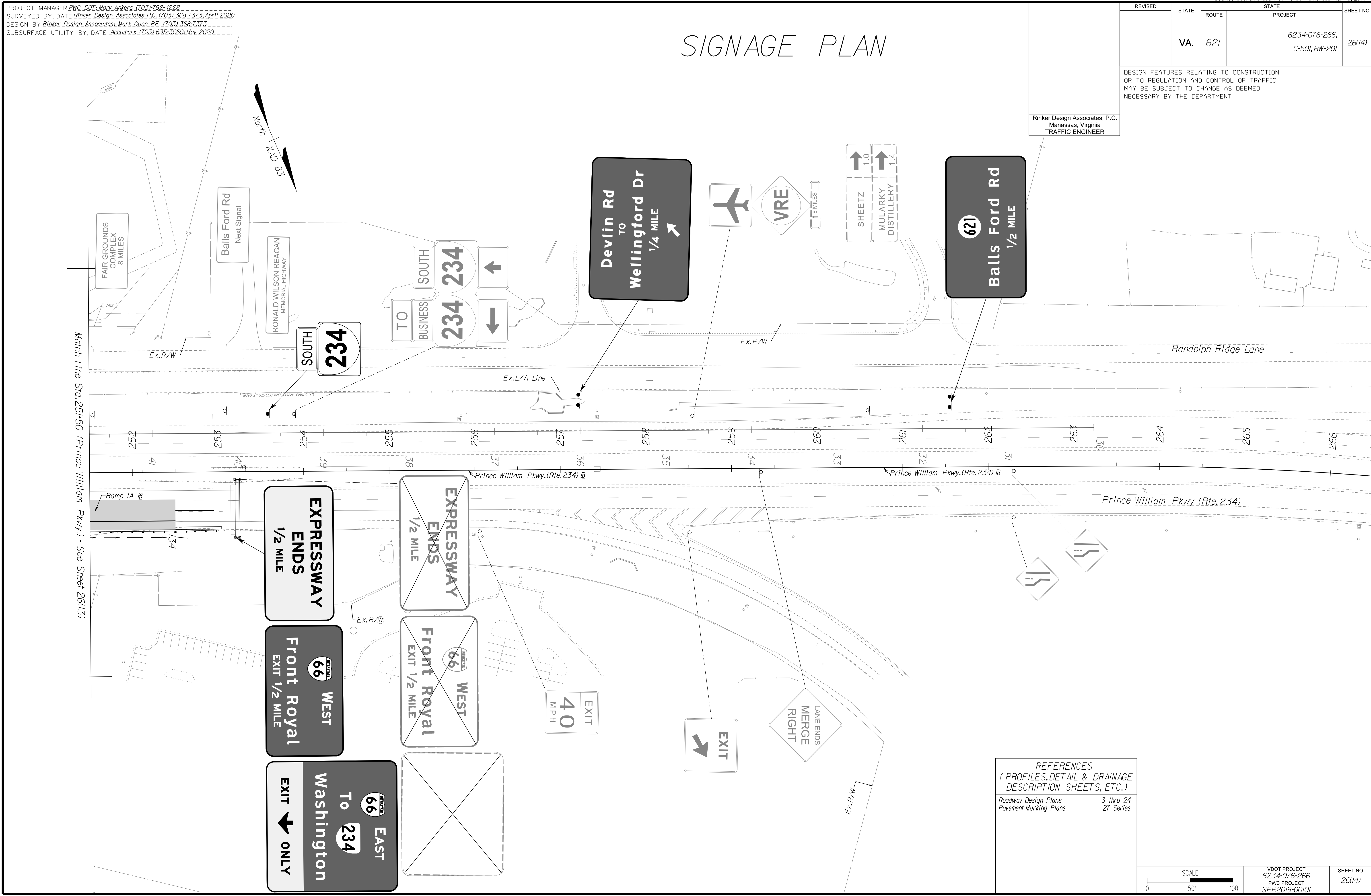
# SIGNAGE PLAN

PROJECT MANAGER PWC\_DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	26(14)

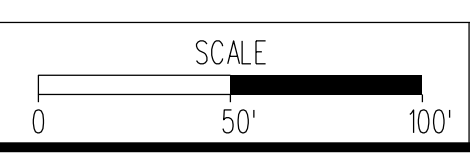
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER



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

Roadway Design Plans	3 thru 24
Pavement Marking Plans	27 Series



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(1)	SHEET NO. 26(14)
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PH PLAN

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

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

NOVA DISTRICT DESIGN UNIT

Office Locations:  
 Manassas, VA  
 Falls Church, VA  
 Fairfax, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Warrenton, OR  
 Washington, DC  
 York, PA



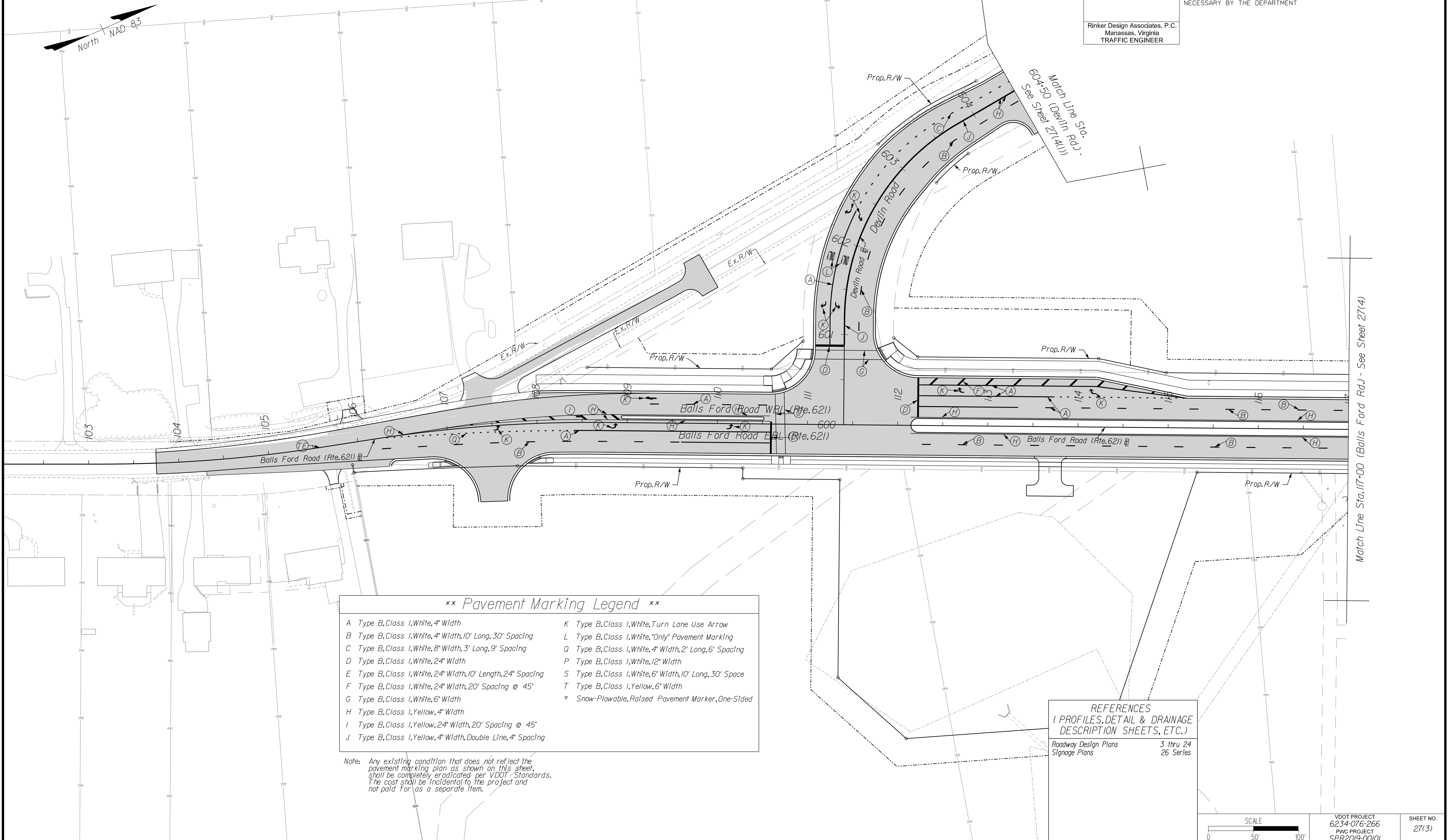
PROJECT MANAGER PWC, DOT, Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

# PAVEMENT MARKING PLAN

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	27(3)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER



\*\* Pavement Marking Legend \*\*

A Type B, Class I, White, 4" Width	K Type B, Class I, White, Turn Lane Use Arrow
B Type B, Class I, White, 4" Width, 10' Long, 30' Spacing	L Type B, Class I, White, "Only" Pavement Marking
C Type B, Class I, White, 8" Width, 3' Long, 9' Spacing	Q Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
D Type B, Class I, White, 24" Width	P Type B, Class I, White, 12" Width
E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing	S Type B, Class I, White, 6" Width, 10' Long, 30' Space
F Type B, Class I, White, 24" Width, 20' Spacing @ 45°	T Type B, Class I, Yellow, 6" Width
G Type B, Class I, White, 6" Width	v Snow-Plowable, Raised Pavement Marker, One-Sided
H Type B, Class I, Yellow, 4" Width	
I Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°	
J Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing	

Note: Any existing condition that does not reflect the pavement marking plan as shown on this sheet shall be completely eradicated per VDOT Standards. The cost shall be incidental to the project and not paid for as a separate item.

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

Roadway Design Plans	3 thru 24
Signage Plans	26 Series

SCALE 0 50' 100'	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(0)	SHEET NO. 27(3)
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PH PLAN

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

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

NOVA DISTRICT DESIGN UNIT

Rinker Design Associates, P.C.

Office Locations: Manassas, VA, Fairfax, VA, Falls Church, VA, Herndon, VA, Reston, VA, Springfield, VA, Washington, DC

Services: Surveying, Land Planning, Civil Engineering, Transportation, Right-of-Way Services

Type B, Class I, White, 24" Width  
 Type B, Class I, White, 24" Width, 10' Length, 24" Spacing  
 Type B, Class I, White, 24" Width, 20' Spacing @ 45°  
 Type B, Class I, White, 6" Width  
 Type B, Class I, Yellow, 4" Width  
 Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°  
 Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	27(4)

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

Rinker Design Associates, P.C.  
Manassas, Virginia  
TRAFFIC ENGINEER

# PAVEMENT MARKING PLAN

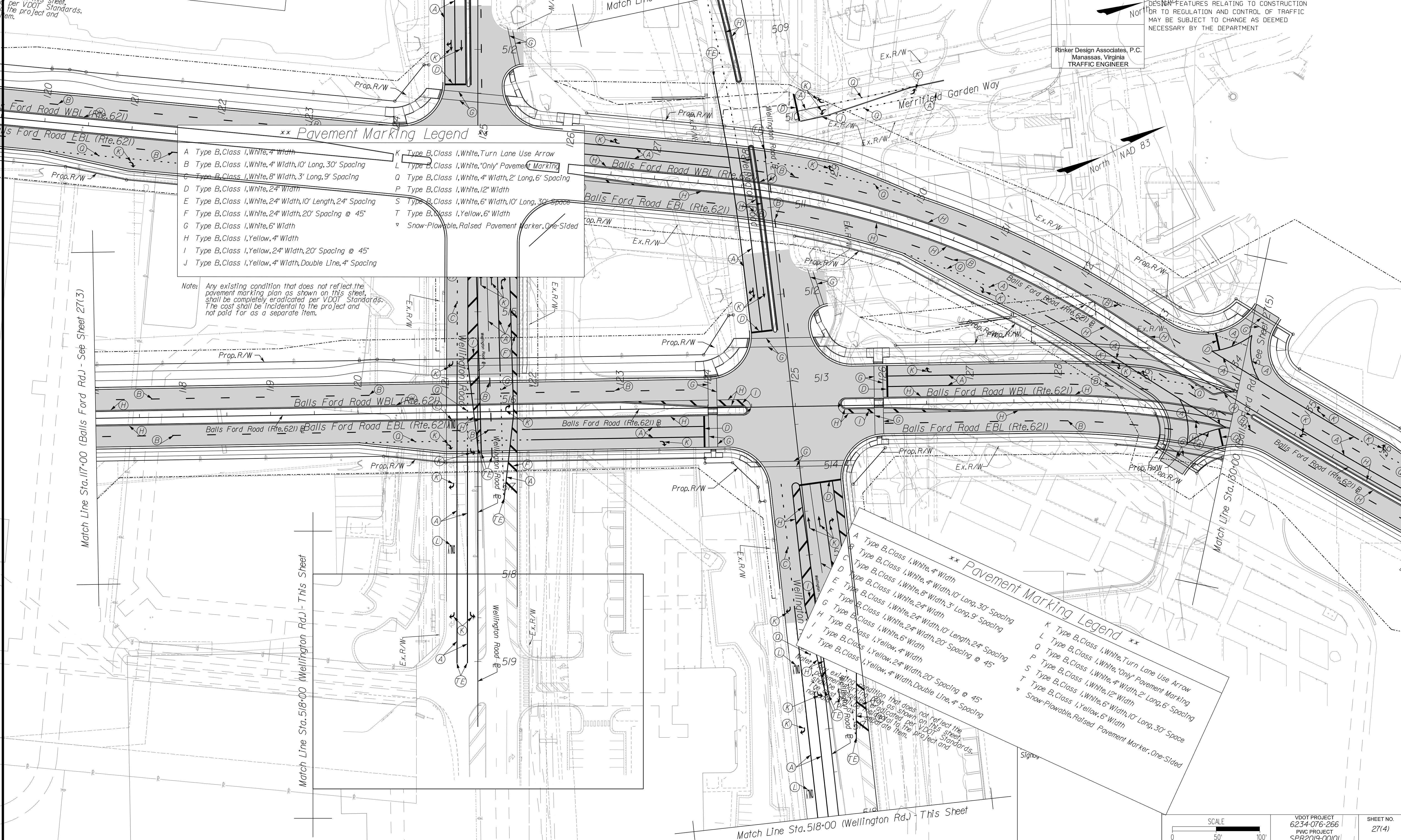
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4999, 6" Width  
 SURVEYED BY, DATE Rinker Design Associates, P.C. 7/31/20, 7/31/20  
 DESIGNED BY, DATE Rinker Design Associates, P.C. 7/31/20, 7/31/20  
 SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060, May 2020

Any existing condition that does not reflect the pavement marking plan as shown on this sheet, shall be completely eradicated per VDOT Standards. The cost shall be incidental to the project and not paid for as a separate item.

**\*\* Pavement Marking Legend \*\***

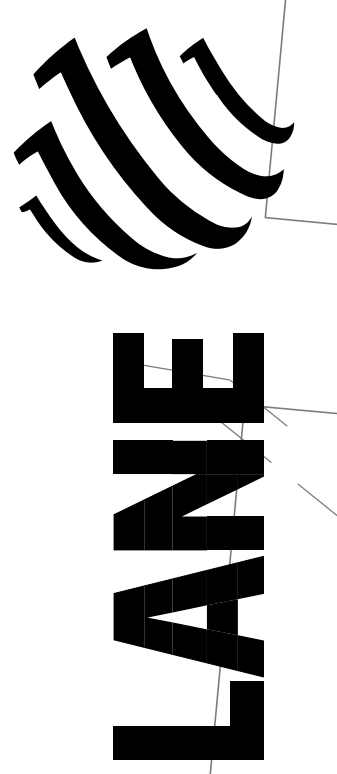
A Type B, Class I, White, 4" Width	K Type B, Class I, White, Turn Lane Use Arrow
B Type B, Class I, White, 4" Width, 10' Long, 30' Spacing	L Type B, Class I, White, "Only" Pavement Marking
C Type B, Class I, White, 8" Width, 3' Long, 9' Spacing	O Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
D Type B, Class I, White, 24" Width	P Type B, Class I, White, 12" Width
E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing	S Type B, Class I, White, 6" Width, 10' Long, 30' Spacing
F Type B, Class I, White, 24" Width, 20' Spacing @ 45°	T Type B, Class I, Yellow, 6" Width
G Type B, Class I, White, 6" Width	▼ Snow-Plowable, Raised Pavement Marker, One-Sided
H Type B, Class I, Yellow, 4" Width	
I Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°	
J Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing	

Note: Any existing condition that does not reflect the pavement marking plan as shown on this sheet, shall be completely eradicated per VDOT Standards. The cost shall be incidental to the project and not paid for as a separate item.



**\*\* Pavement Marking Legend \*\***

A Type B, Class I, White, 4" Width	K Type B, Class I, White, Turn Lane Use Arrow
B Type B, Class I, White, 4" Width, 10' Long, 30' Spacing	L Type B, Class I, White, "Only" Pavement Marking
C Type B, Class I, White, 8" Width, 3' Long, 9' Spacing	O Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
D Type B, Class I, White, 24" Width	P Type B, Class I, White, 12" Width
E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing	S Type B, Class I, White, 6" Width, 10' Long, 30' Spacing
F Type B, Class I, White, 24" Width, 20' Spacing @ 45°	T Type B, Class I, Yellow, 6" Width
G Type B, Class I, White, 6" Width	▼ Snow-Plowable, Raised Pavement Marker, One-Sided
H Type B, Class I, Yellow, 4" Width	
I Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°	
J Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing	



NOVA DISTRICT DESIGN UNIT

PH PLAN

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

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

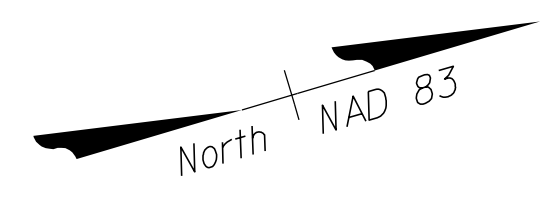
PROJECT MANAGER PWC\_DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates: Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# PAVEMENT MARKING PLAN

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	27(4(1))

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

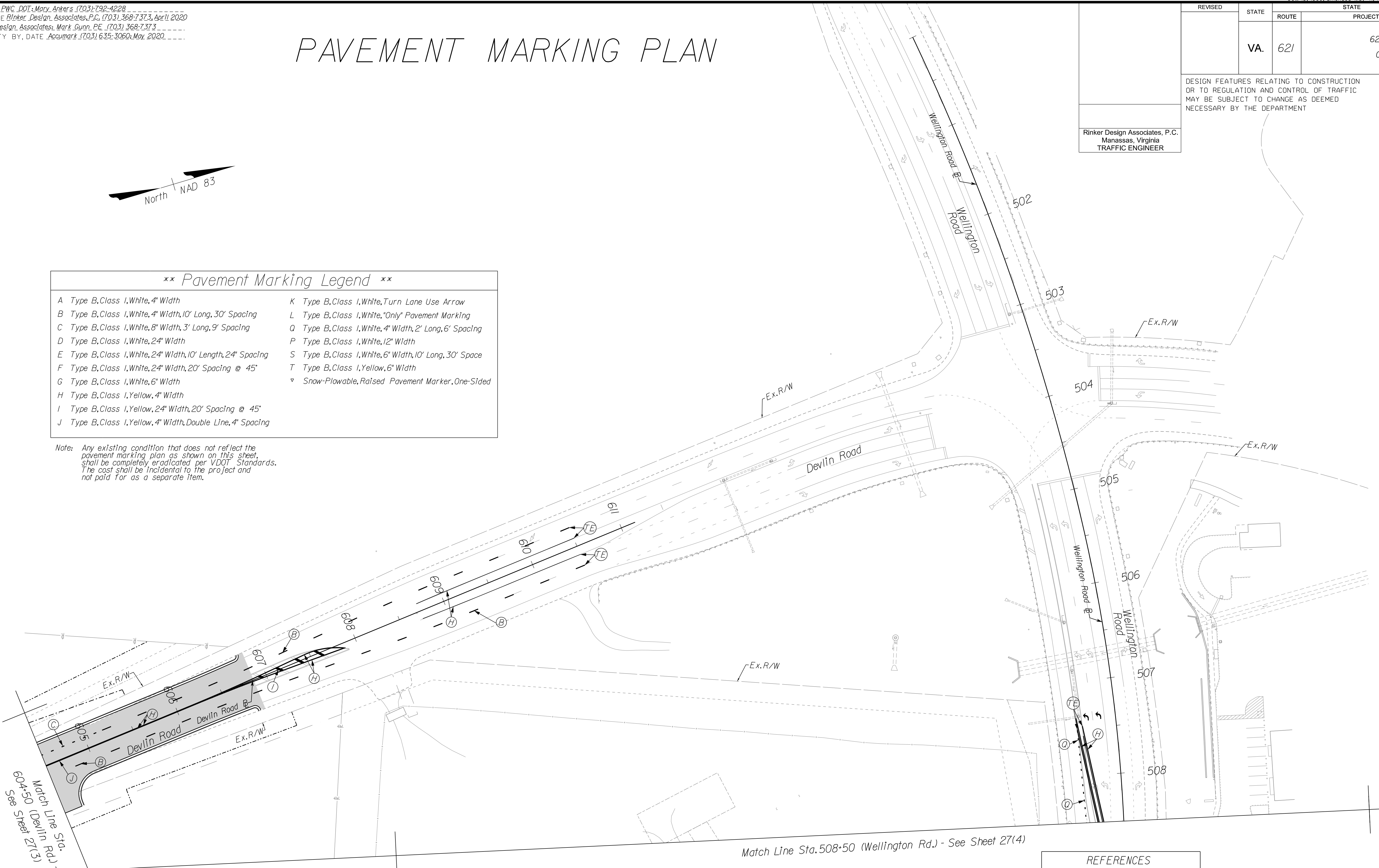
Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER



**\*\* Pavement Marking Legend \*\***

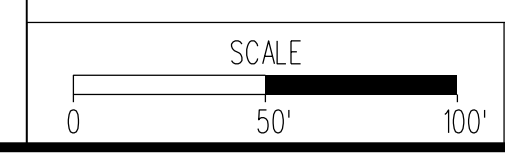
A Type B, Class I, White, 4" Width	K Type B, Class I, White, Turn Lane Use Arrow
B Type B, Class I, White, 4" Width, 10' Long, 30' Spacing	L Type B, Class I, White, "Only" Pavement Marking
C Type B, Class I, White, 8" Width, 3' Long, 9' Spacing	Q Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
D Type B, Class I, White, 24" Width	P Type B, Class I, White, 12" Width
E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing	S Type B, Class I, White, 6" Width, 10' Long, 30' Space
F Type B, Class I, White, 24" Width, 20' Spacing @ 45°	T Type B, Class I, Yellow, 6" Width
G Type B, Class I, White, 6" Width	v Snow-Plowable, Raised Pavement Marker, One-Sided
H Type B, Class I, Yellow, 4" Width	
I Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°	
J Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing	

Note: Any existing condition that does not reflect the pavement marking plan as shown on this sheet, shall be completely eradicated per VDOT Standards. The cost shall be incidental to the project and not paid for as a separate item.



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

Roadway Design Plans	3 thru 24
Signage Plans	26 Series



VDOT PROJECT  
 6234-076-266  
 PWC PROJECT  
 SPR2019-00101

SHEET NO.  
 27(4(1))

PH PLAN

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

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

NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker  
 Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services



Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Washington, DC  
 York, VA

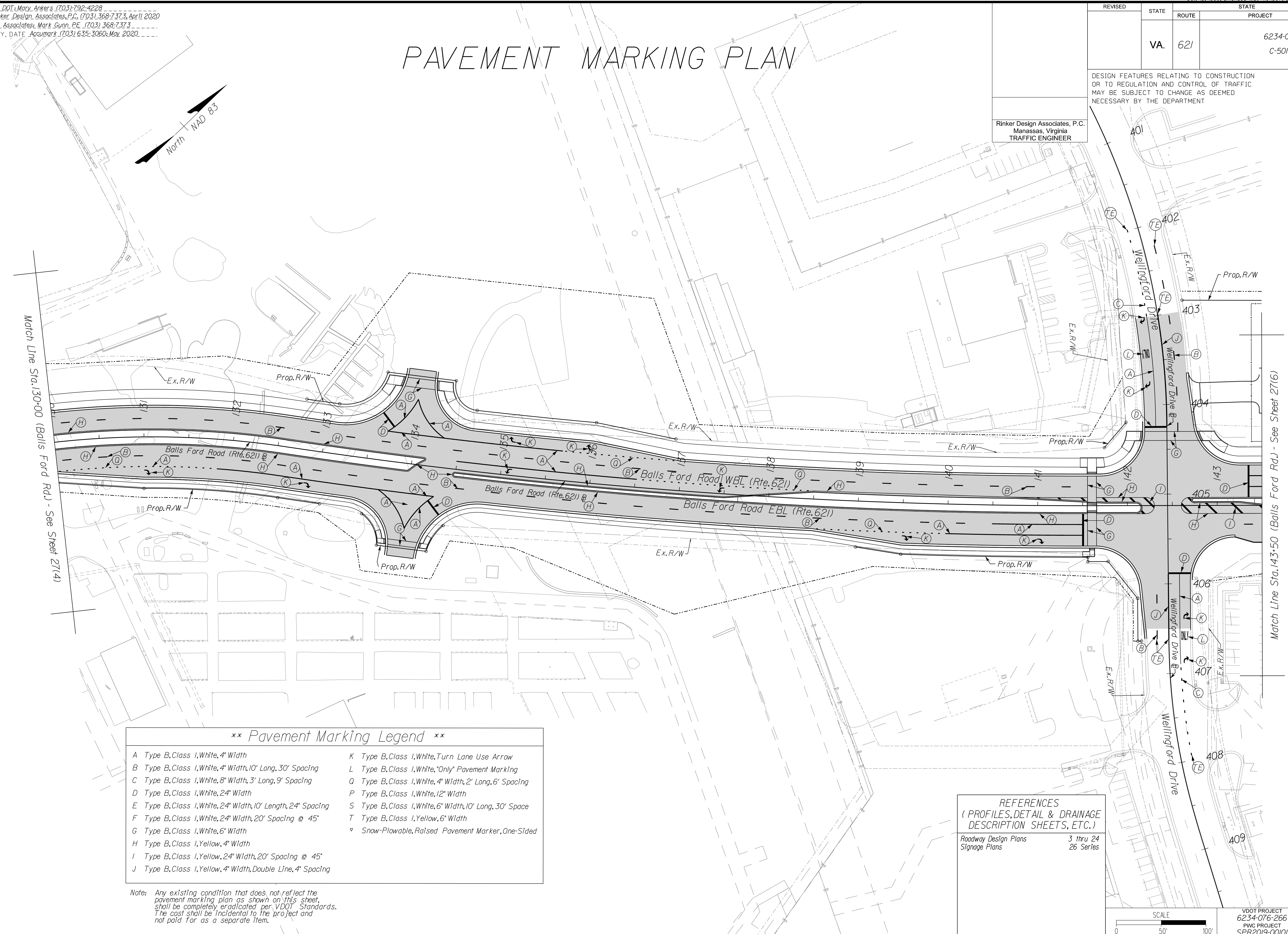
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# PAVEMENT MARKING PLAN

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	27(5)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER



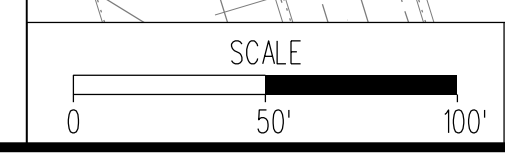
\*\* Pavement Marking Legend \*\*

A Type B, Class I, White, 4" Width	K Type B, Class I, White, Turn Lane Use Arrow
B Type B, Class I, White, 4" Width, 10' Long, 30' Spacing	L Type B, Class I, White, "Only" Pavement Marking
C Type B, Class I, White, 8" Width, 3' Long, 9' Spacing	Q Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
D Type B, Class I, White, 24" Width	P Type B, Class I, White, 12" Width
E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing	S Type B, Class I, White, 6" Width, 10' Long, 30' Space
F Type B, Class I, White, 24" Width, 20' Spacing @ 45°	T Type B, Class I, Yellow, 6" Width
G Type B, Class I, White, 6" Width	▼ Snow-Plowable, Raised Pavement Marker, One-Sided
H Type B, Class I, Yellow, 4" Width	
I Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°	
J Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing	

Note: Any existing condition that does not reflect the pavement marking plan as shown on this sheet, shall be completely eradicated per VDOT Standards. The cost shall be incidental to the project and not paid for as a separate item.

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

Roadway Design Plans	3 thru 24
Signage Plans	26 Series



VDOT PROJECT  
 6234-076-266  
 PWC PROJECT  
 SPR2019-001(0)

SHEET NO.  
 27(5)

PH PLAN

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



Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Warrenton, OR  
 Washington, DC  
 York, PA

NOVA DISTRICT DESIGN UNIT

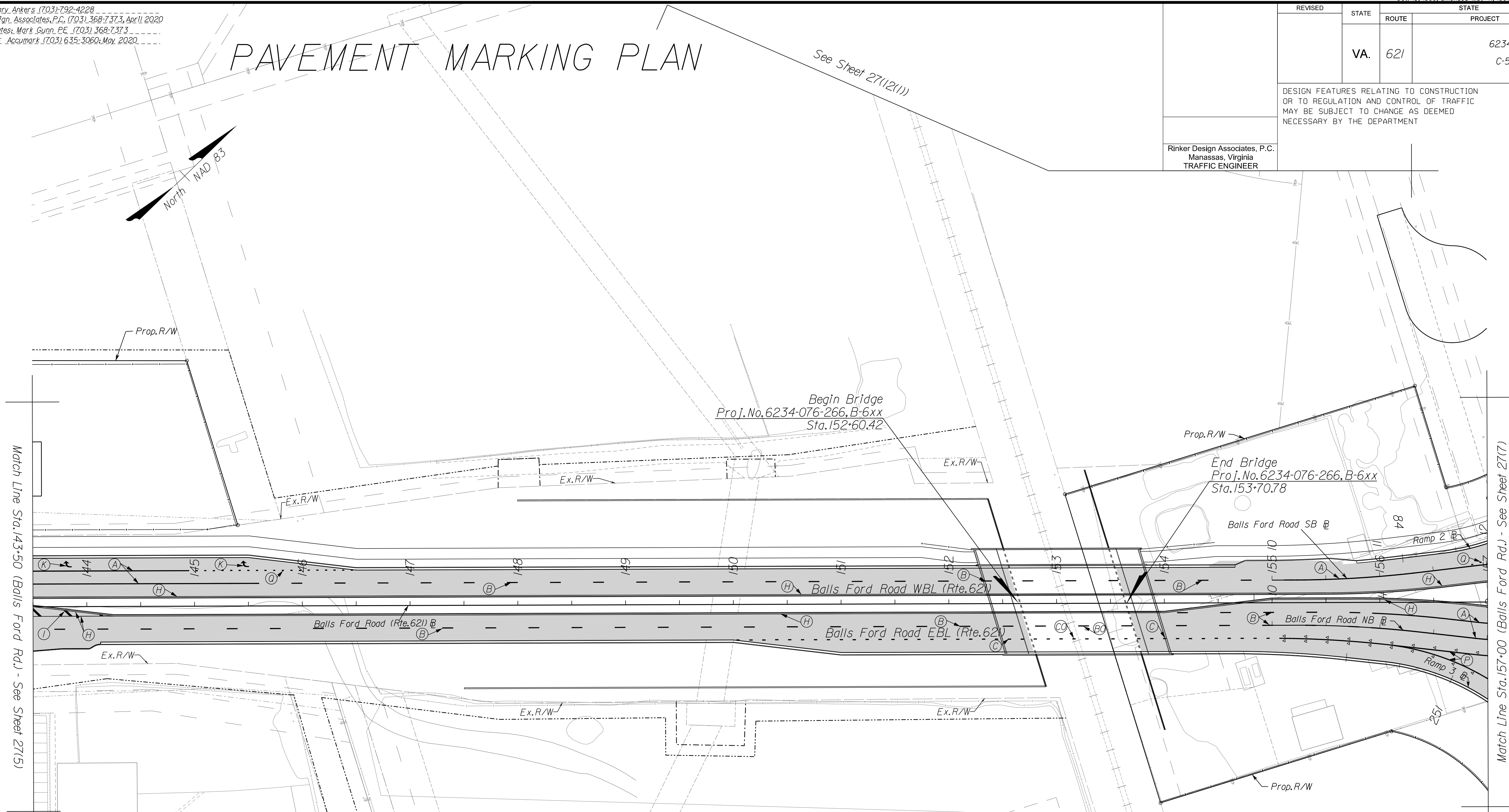
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

# PAVEMENT MARKING PLAN

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	27(6)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER



\*\* Pavement Marking Legend \*\*

A Type B, Class I, White, 4" Width	I Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45'
B Type B, Class I, White, 4" Width, 10' Long, 30' Spacing	J Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing
BO Type B, Class I, with Black Contrast, White, 4" Width, 10' Long, 30' Spacing	K Type B, Class I, White, Turn Lane Use Arrow
C Type B, Class I, White, 8" Width, 3' Long, 9' Spacing	L Type B, Class I, White, "Only" Pavement Marking
CO Type B, Class I, with Black Contrast, White, 8" Width, 3' Long, 9' Spacing	Q Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
D Type B, Class I, White, 24" Width	P Type B, Class I, White, 12" Width
E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing	S Type B, Class I, White, 6" Width, 10' Long, 30' Space
F Type B, Class I, White, 24" Width, 20' Spacing @ 45'	T Type B, Class I, Yellow, 6" Width
G Type B, Class I, White, 6" Width	▼ Snow-Plowable, Raised Pavement Marker, One-Sided
H Type B, Class I, Yellow, 4" Width	

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

Roadway Design Plans	3 thru 24
Signage Plans	26 Series

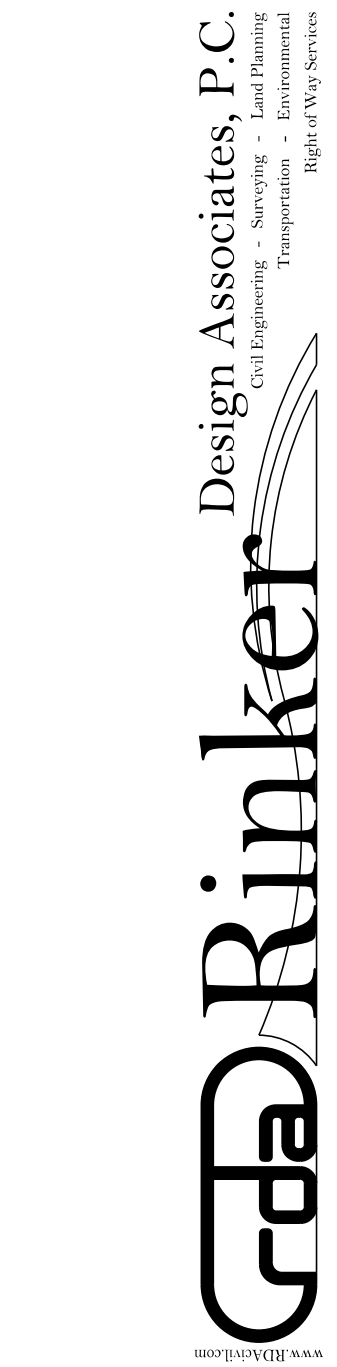
Note: Any existing condition that does not reflect the pavement marking plan as shown on this sheet, shall be completely eradicated per VDOT Standards. The cost shall be incidental to the project and not paid for as a separate item.

SCALE 0 50' 100'	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(0)	SHEET NO. 27(6)
---------------------	---	--------------------

PH PLAN

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

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



NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER PWC, DOT, Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

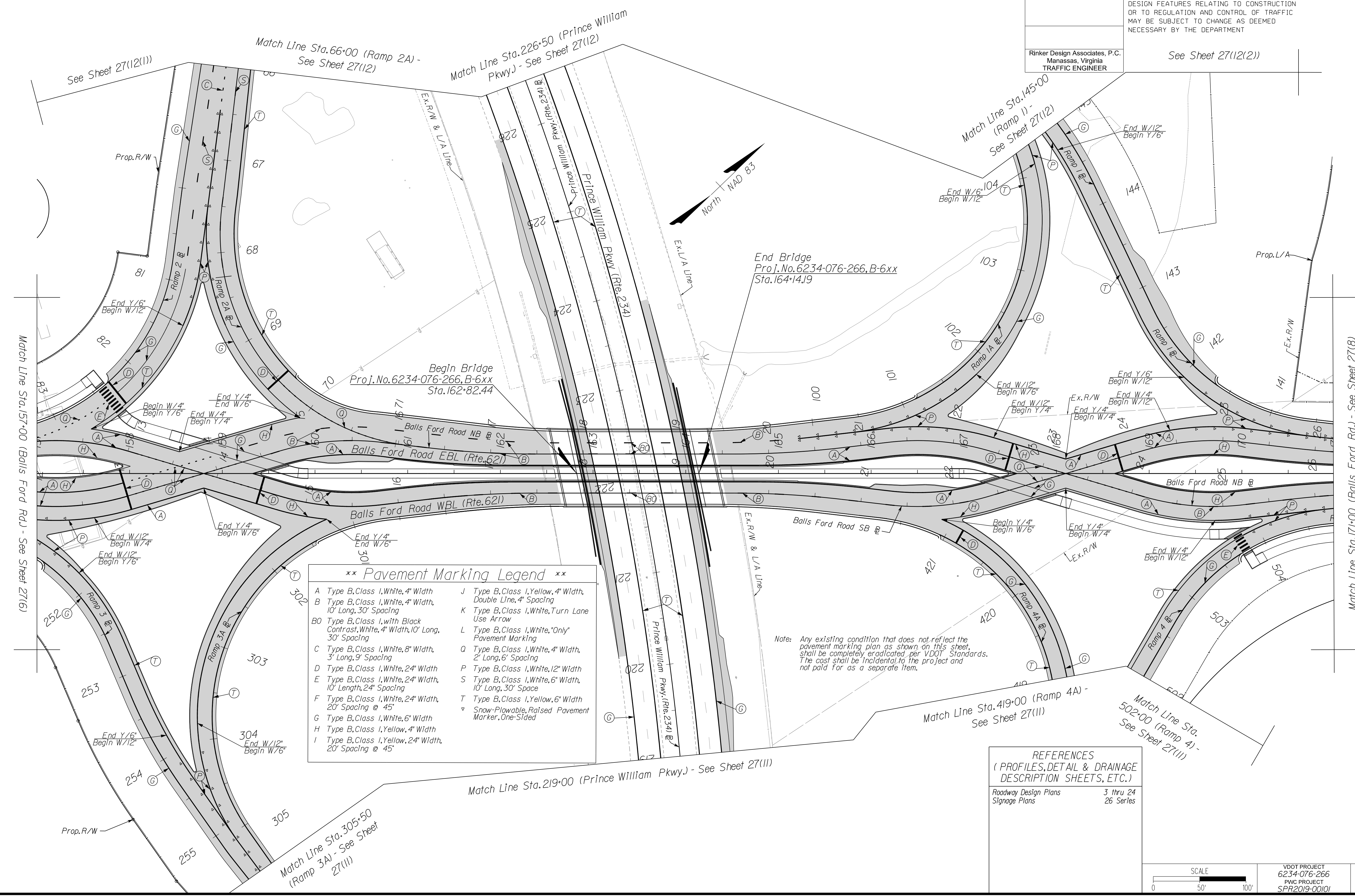
# PAVEMENT MARKING PLAN

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	27(7)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER

See Sheet 27(12)(2)



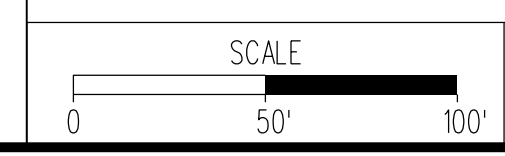
**\*\* Pavement Marking Legend \*\***

A Type B, Class I, White, 4" Width	J Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing
B Type B, Class I, White, 4" Width, 10' Long, 30' Spacing	K Type B, Class I, White, Turn Lane Use Arrow
B0 Type B, Class I, with Black Contrast, White, 4" Width, 10' Long, 30' Spacing	L Type B, Class I, White, "Only" Pavement Marking
C Type B, Class I, White, 8" Width, 3' Long, 9' Spacing	O Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
D Type B, Class I, White, 24" Width	P Type B, Class I, White, 12" Width
E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing	S Type B, Class I, White, 6" Width, 10' Length, 30' Space
F Type B, Class I, White, 24" Width, 20" Spacing @ 45°	T Type B, Class I, Yellow, 6" Width
G Type B, Class I, White, 6" Width	▽ Snow-Plowable, Raised Pavement Marker, One-Sided
H Type B, Class I, Yellow, 4" Width	
I Type B, Class I, Yellow, 24" Width, 20" Spacing @ 45°	

Note: Any existing condition that does not reflect the pavement marking plan as shown on this sheet, shall be completely eradicated, per VDOT Standards. The cost shall be incidental to the project and not paid for as a separate item.

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

Roadway Design Plans	3 thru 24
Signage Plans	26 Series



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(0)	SHEET NO. 27(7)
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PH PLAN

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

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

NOVA DISTRICT DESIGN UNIT

**LANE**

**Rinker**

Design Associates, P.C.

Office Locations: Manassas, VA, Fairfax, VA, Falls Church, VA, Herndon, VA, Reston, VA, Springfield, VA, Vienna, VA, Woodbridge, VA, Yorktown, VA

Services: Civil Engineering, Surveying, Land Planning, Transportation, Right-of-Way Services

PROJECT MANAGER PWC\_DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates: Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	27(8)

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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 Manassas, Virginia  
 TRAFFIC ENGINEER

# PAVEMENT MARKING PLAN

**\*\* Pavement Marking Legend \*\***

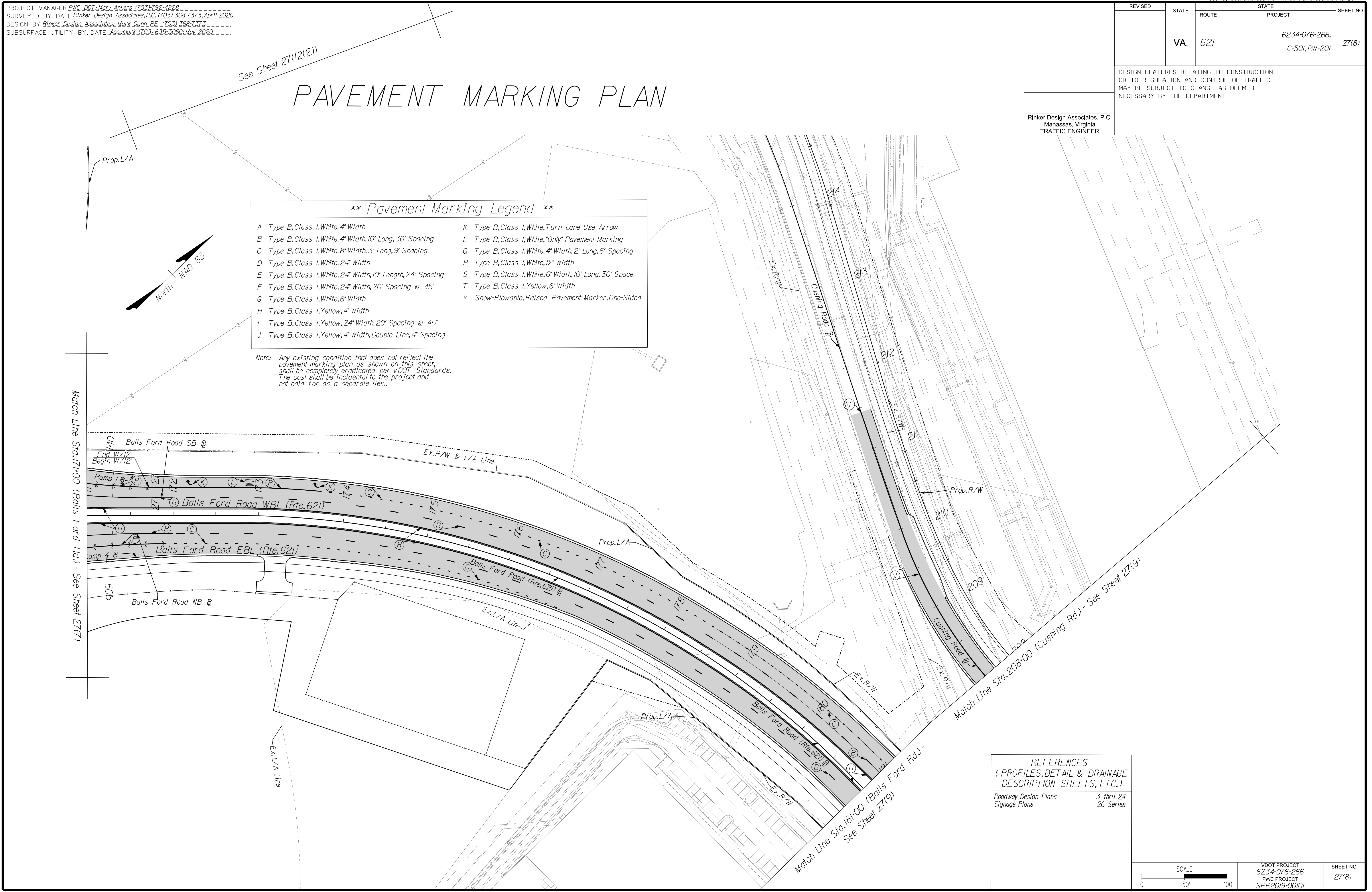
A Type B, Class I, White, 4" Width	K Type B, Class I, White, Turn Lane Use Arrow
B Type B, Class I, White, 4" Width, 10' Long, 30' Spacing	L Type B, Class I, White, "Only" Pavement Marking
C Type B, Class I, White, 8" Width, 3' Long, 9' Spacing	Q Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
D Type B, Class I, White, 24" Width	P Type B, Class I, White, 12" Width
E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing	S Type B, Class I, White, 6" Width, 10' Long, 30' Space
F Type B, Class I, White, 24" Width, 20' Spacing @ 45°	T Type B, Class I, Yellow, 6" Width
G Type B, Class I, White, 6" Width	▽ Snow-Plowable, Raised Pavement Marker, One-Sided
H Type B, Class I, Yellow, 4" Width	
I Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°	
J Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing	

Note: Any existing condition that does not reflect the pavement marking plan as shown on this sheet, shall be completely eradicated per VDOT Standards. The cost shall be incidental to the project and not paid for as a separate item.

Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

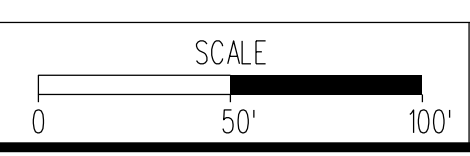
**LANE**

NOVA DISTRICT DESIGN UNIT



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

Roadway Design Plans	3 thru 24
Signage Plans	26 Series



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 27(8)
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PH PLAN

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

PROJECT MANAGER PWC\_DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates: Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# PAVEMENT MARKING PLAN

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	27(9)

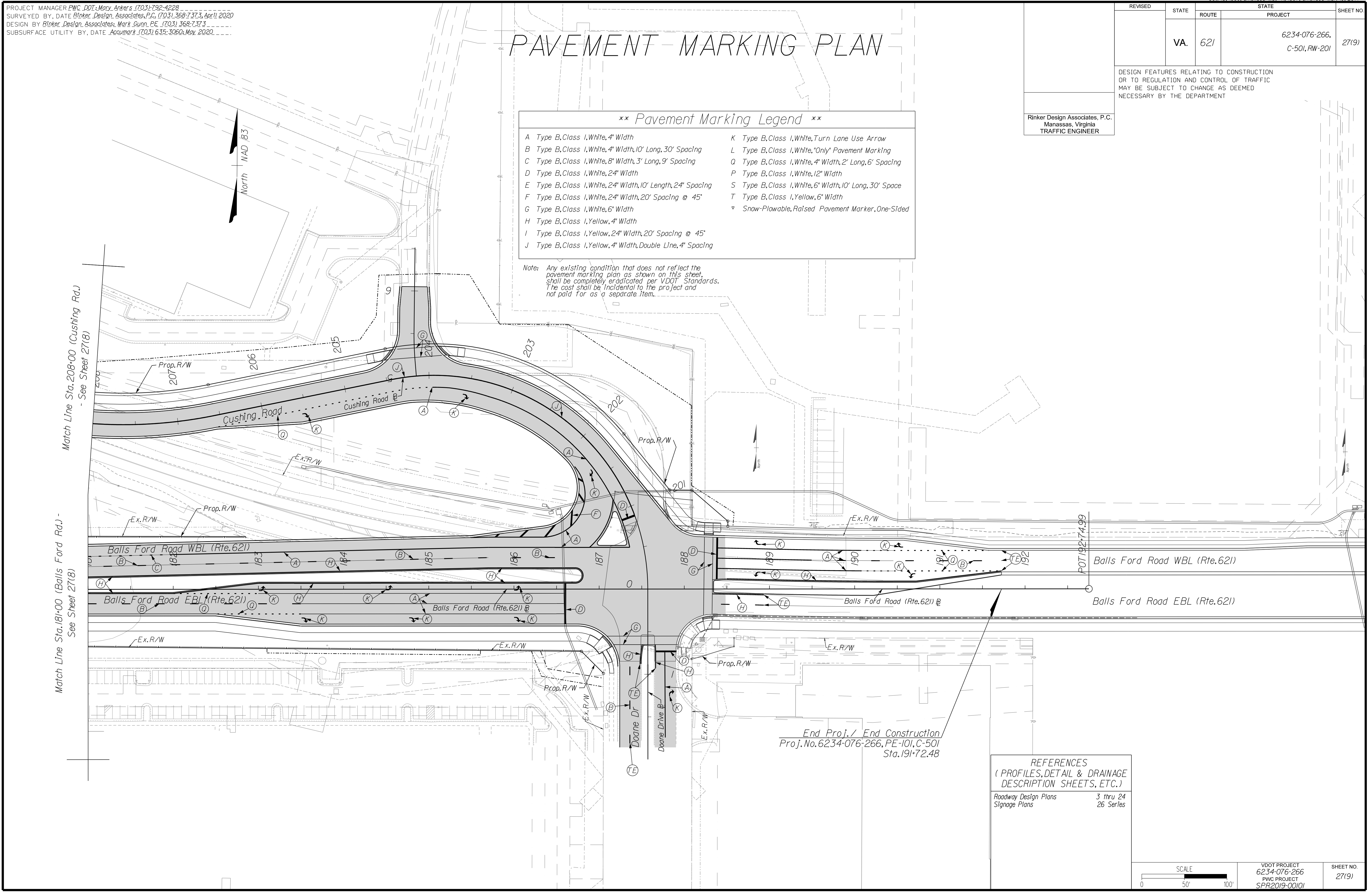
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER

\*\* Pavement Marking Legend \*\*

A Type B, Class I, White, 4" Width	K Type B, Class I, White, Turn Lane Use Arrow
B Type B, Class I, White, 4" Width, 10' Long, 30' Spacing	L Type B, Class I, White, "Only" Pavement Marking
C Type B, Class I, White, 8" Width, 3' Long, 9' Spacing	Q Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
D Type B, Class I, White, 24" Width	P Type B, Class I, White, 12" Width
E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing	S Type B, Class I, White, 6" Width, 10' Long, 30' Space
F Type B, Class I, White, 24" Width, 20' Spacing @ 45°	T Type B, Class I, Yellow, 6" Width
G Type B, Class I, White, 6" Width	▽ Snow-Plowable, Raised Pavement Marker, One-Sided
H Type B, Class I, Yellow, 4" Width	
I Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°	
J Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing	

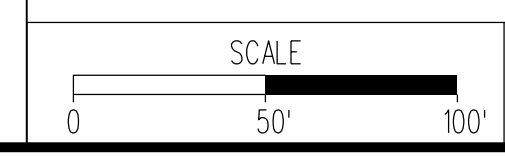
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End Proj./ End Construction  
 Proj. No. 6234-076-266, PE-101, C-501  
 Sta. 191+72.48

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

Roadway Design Plans	3 thru 24
Signage Plans	26 Series



VDOT PROJECT 6234-076-266	SHEET NO. 27(9)
PWC PROJECT SPR2019-001(0)	

PH PLAN

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NOVA DISTRICT DESIGN UNIT



Office Locations

Manassas, VA  
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 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Warrenton, OR



PROJECT MANAGER PWC\_DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

# PAVEMENT MARKING PLAN

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	27(10)

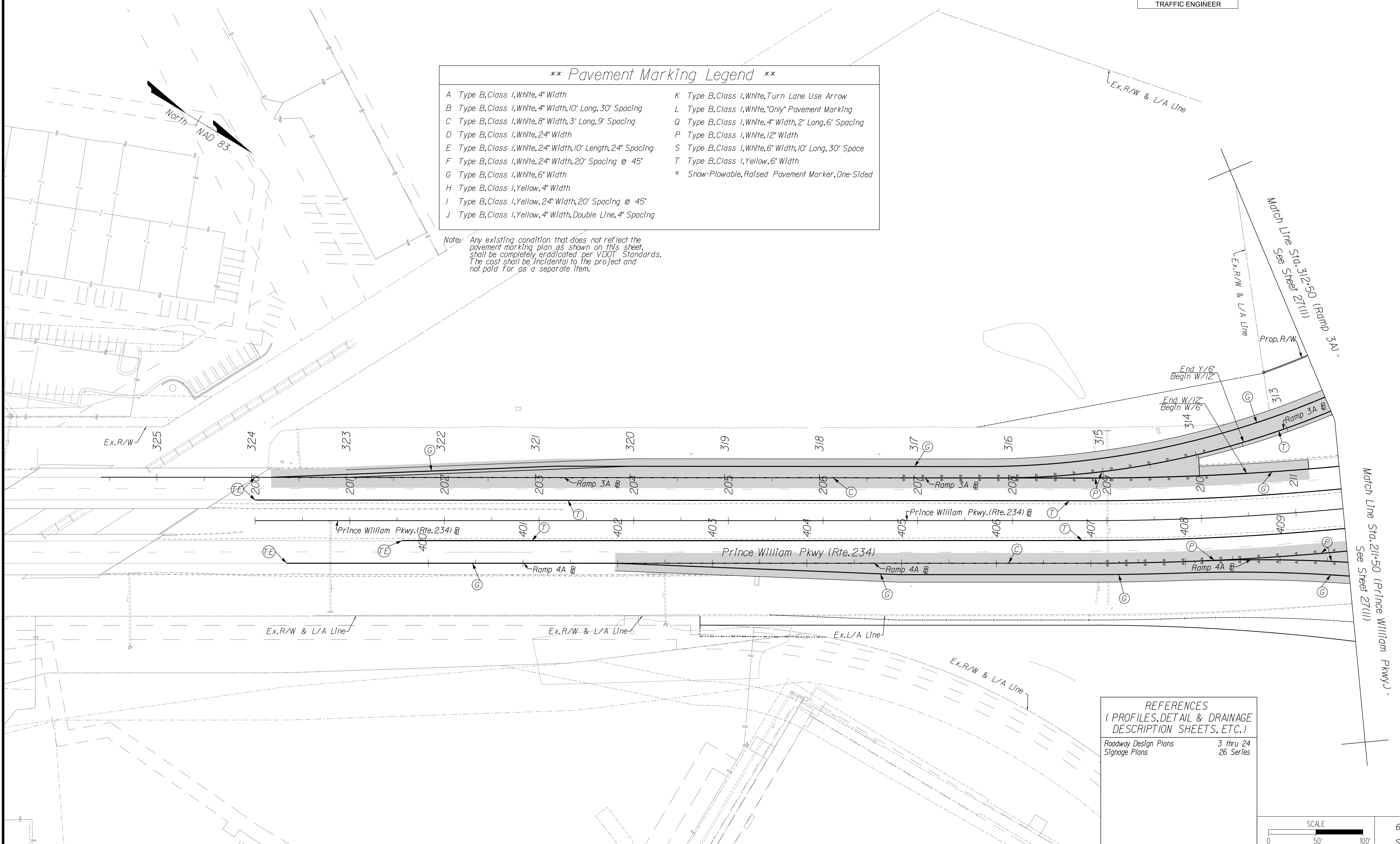
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 Manassas, Virginia  
 TRAFFIC ENGINEER

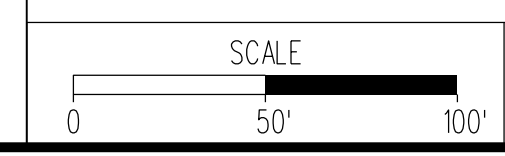
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A Type B, Class I, White, 4" Width	K Type B, Class I, White, Turn Lane Use Arrow
B Type B, Class I, White, 4" Width, 10' Long, 30' Spacing	L Type B, Class I, White, "Only" Pavement Marking
C Type B, Class I, White, 8" Width, 3' Long, 9' Spacing	O Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
D Type B, Class I, White, 24" Width	P Type B, Class I, White, 12" Width
E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing	S Type B, Class I, White, 6" Width, 10' Long, 30' Space
F Type B, Class I, White, 24" Width, 20' Spacing @ 45°	T Type B, Class I, Yellow, 6" Width
G Type B, Class I, White, 6" Width	▽ Snow-Plowable, Raised Pavement Marker, One-Sided
H Type B, Class I, Yellow, 4" Width	
I Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°	
J Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing	

Note: Any existing condition that does not reflect the pavement marking plan as shown on this sheet, shall be completely eradicated per VDOT Standards. The cost shall be incidental to the project and not paid for as a separate item.



REFERENCES  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)  
 Roadway Design Plans 3 thru 24  
 Signage Plans 26 Series



VDOT PROJECT  
 6234-076-266  
 PWC PROJECT  
 SPR2019-00101

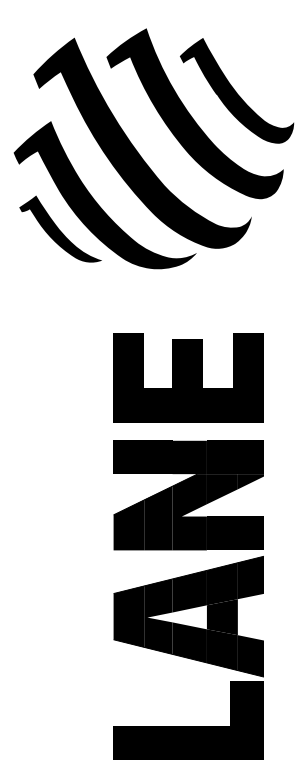
SHEET NO.  
 27(10)

PH PLAN

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NOVA DISTRICT DESIGN UNIT



Rinker Design Associates, P.C.

Office Locations

Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Warrenton, OR  
 Washington, DC  
 York, PA

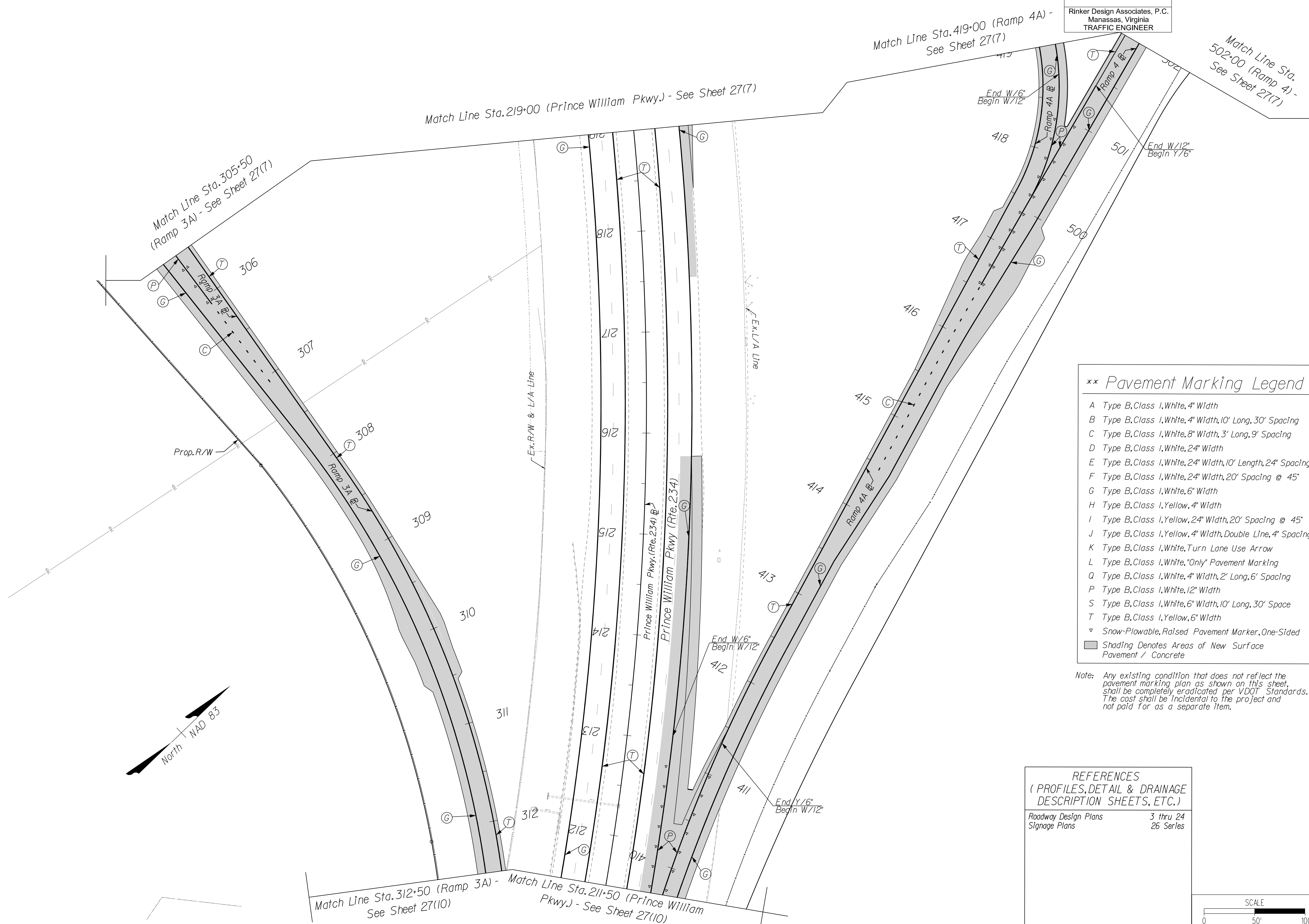
PROJECT MANAGER PWC\_DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

# PAVEMENT MARKING PLAN

REVISED	STATE		PROJECT	SHEET NO.
	VA.	ROUTE 621		
			6234-076-266, C-501, RW-201	27(11)

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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 Manassas, Virginia  
 TRAFFIC ENGINEER



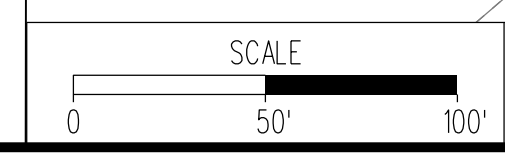
**\*\* Pavement Marking Legend \*\***

- A Type B, Class I, White, 4" Width
- B Type B, Class I, White, 4" Width, 10' Long, 30' Spacing
- C Type B, Class I, White, 8" Width, 3' Long, 9' Spacing
- D Type B, Class I, White, 24" Width
- E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing
- F Type B, Class I, White, 24" Width, 20' Spacing @ 45°
- G Type B, Class I, White, 6" Width
- H Type B, Class I, Yellow, 4" Width
- I Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°
- J Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing
- K Type B, Class I, White, Turn Lane Use Arrow
- L Type B, Class I, White, "Only" Pavement Marking
- Q Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
- P Type B, Class I, White, 12" Width
- S Type B, Class I, White, 6" Width, 10' Long, 30' Space
- T Type B, Class I, Yellow, 6" Width
- ▽ Snow-Plowable, Raised Pavement Marker, One-Sided
- Shading Denotes Areas of New Surface Pavement / Concrete

Note: Any existing condition that does not reflect the pavement marking plan as shown on this sheet, shall be completely eradicated per VDOT Standards. The cost shall be incidental to the project and not paid for as a separate item.

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

Roadway Design Plans	3 thru 24
Signage Plans	26 Series



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 27(11)
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PH PLAN

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NOVA DISTRICT DESIGN UNIT

Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

Office Locations:  
 Manassas, VA  
 Fairfax, VA  
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 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Vienna, VA

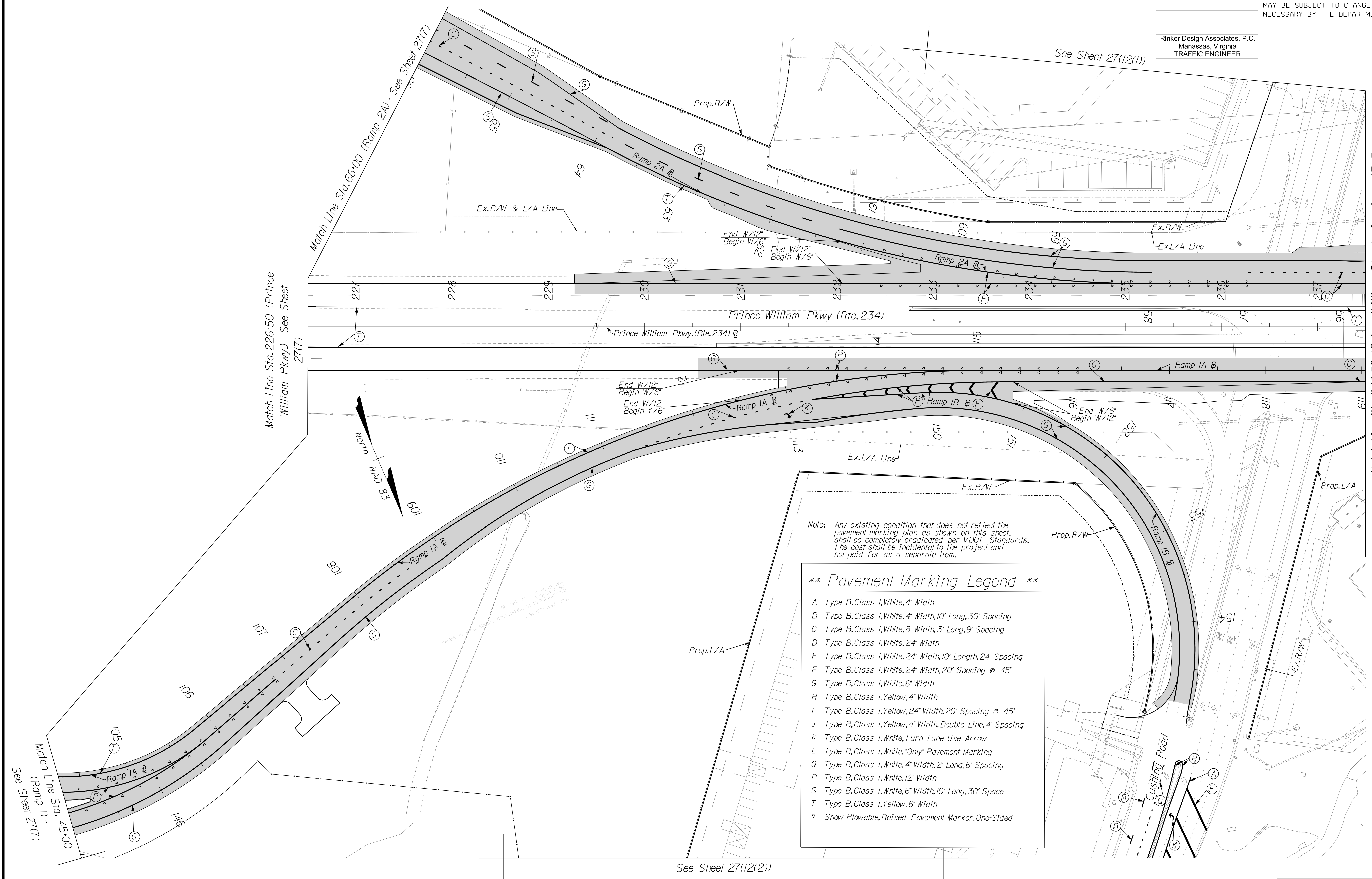
PROJECT MANAGER PWC, DOT, Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

# PAVEMENT MARKING PLAN

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	27(12)

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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 Manassas, Virginia  
 TRAFFIC ENGINEER



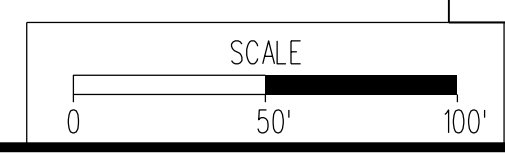
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- A Type B, Class I, White, 4" Width
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- C Type B, Class I, White, 8" Width, 3' Long, 9' Spacing
- D Type B, Class I, White, 24" Width
- E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing
- F Type B, Class I, White, 24" Width, 20' Spacing @ 45°
- G Type B, Class I, White, 6" Width
- H Type B, Class I, Yellow, 4" Width
- I Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°
- J Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing
- K Type B, Class I, White, Turn Lane Use Arrow
- L Type B, Class I, White, "Only" Pavement Marking
- Q Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
- P Type B, Class I, White, 12" Width
- S Type B, Class I, White, 6" Width, 10' Long, 30' Space
- T Type B, Class I, Yellow, 6" Width
- v Snow-Plowable, Raised Pavement Marker, One-Sided

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

Roadway Design Plans	3 thru 24
Signage Plans	26 Series



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(0)	SHEET NO. 27(12)
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PH PLAN

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NOVA DISTRICT DESIGN UNIT

Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

Office Locations  
 Manassas, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Vienna, VA

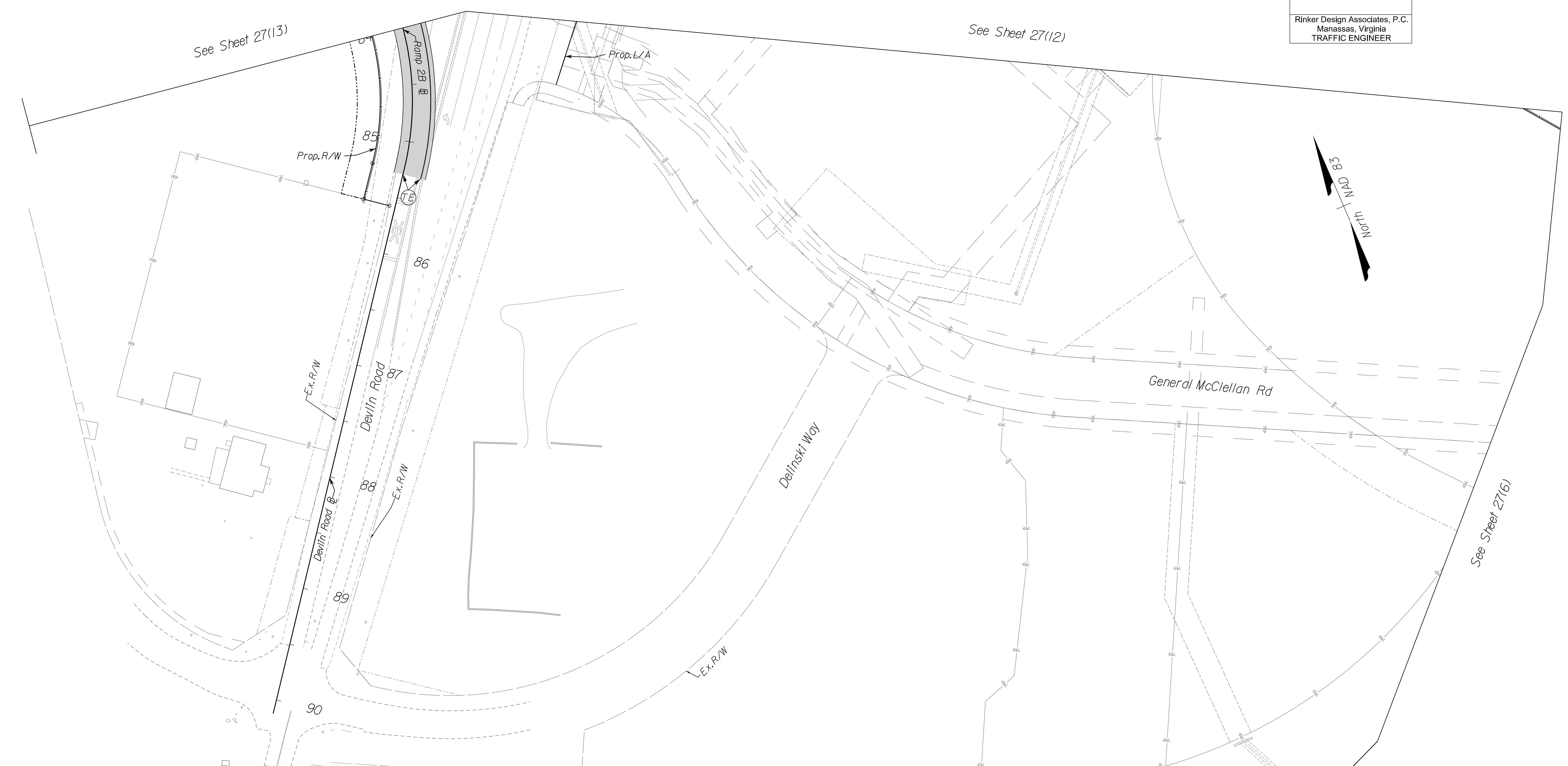
PROJECT MANAGER PWC, DOT, Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# PAVEMENT MARKING PLAN

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	621	6234-076-266, C-501, RW-201	27(12(1))

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER



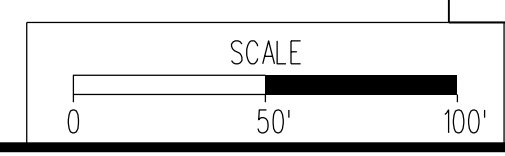
\*\* Pavement Marking Legend \*\*

A Type B, Class I, White, 4" Width	K Type B, Class I, White, Turn Lane Use Arrow
B Type B, Class I, White, 4" Width, 10' Long, 30' Spacing	L Type B, Class I, White, "Only" Pavement Marking
C Type B, Class I, White, 8" Width, 3" Long, 9' Spacing	Q Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
D Type B, Class I, White, 24" Width	P Type B, Class I, White, 12" Width
E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing	S Type B, Class I, White, 6" Width, 10' Long, 30' Space
F Type B, Class I, White, 24" Width, 20' Spacing @ 45°	T Type B, Class I, Yellow, 6" Width
G Type B, Class I, White, 6" Width	▽ Snow-Plowable, Raised Pavement Marker, One-Sided
H Type B, Class I, Yellow, 4" Width	
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J Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing	

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

Roadway Design Plans	3 thru 24
Signage Plans	26 Series



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(1)	SHEET NO. 27(12(1))
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PH PLAN

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NOVA DISTRICT DESIGN UNIT



Office Locations

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 Reston, VA  
 Fairfax, VA  
 Falls Church, VA  
 Herndon, VA  
 Leesville, VA  
 Loudoun, VA  
 Manassas, VA  
 Manassas Park, VA  
 Northern Virginia  
 Potomac, MD  
 Reston, VA  
 Springfield, VA  
 Stafford, VA  
 Sterling, VA  
 Tyngsboro, VA  
 Warrenton, OR  
 Winchester, VA

PROJECT MANAGER PWC\_DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
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 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

# PAVEMENT MARKING PLAN

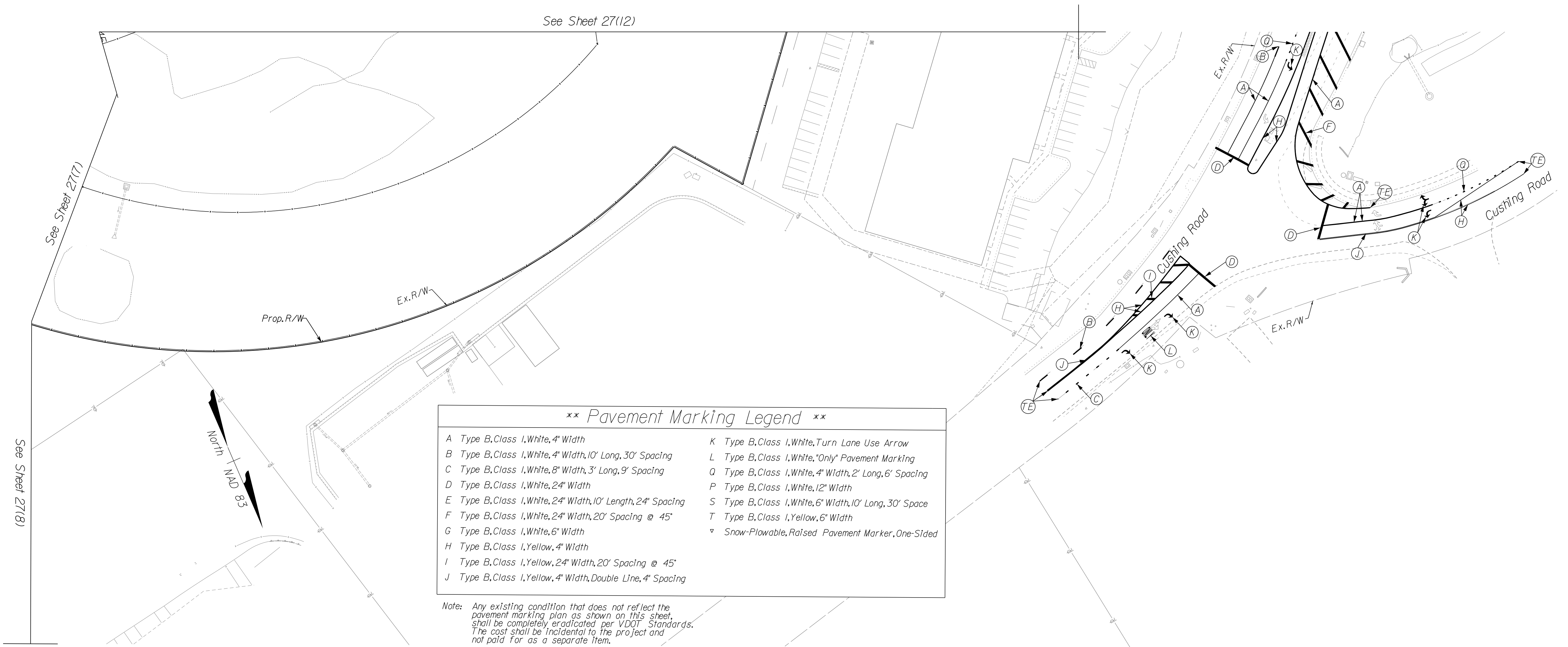
REVISED	STATE		STATE	SHEET NO.
	ROUTE	PROJECT		
	VA.	621	6234-076-266, C-501, RW-201	27(12(2))

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER

NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker  
 Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right-of-Way Services

NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker  
 Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right-of-Way Services



\*\* Pavement Marking Legend \*\*

A Type B, Class I, White, 4" Width	K Type B, Class I, White, Turn Lane Use Arrow
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G Type B, Class I, White, 6" Width	▽ Snow-Flowable, Raised Pavement Marker, One-Sided
H Type B, Class I, Yellow, 4" Width	
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REFERENCES  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Design Plans	3 thru 24
Signage Plans	26 Series

SCALE 0 50' 100'	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(0)	SHEET NO. 27(12(2))
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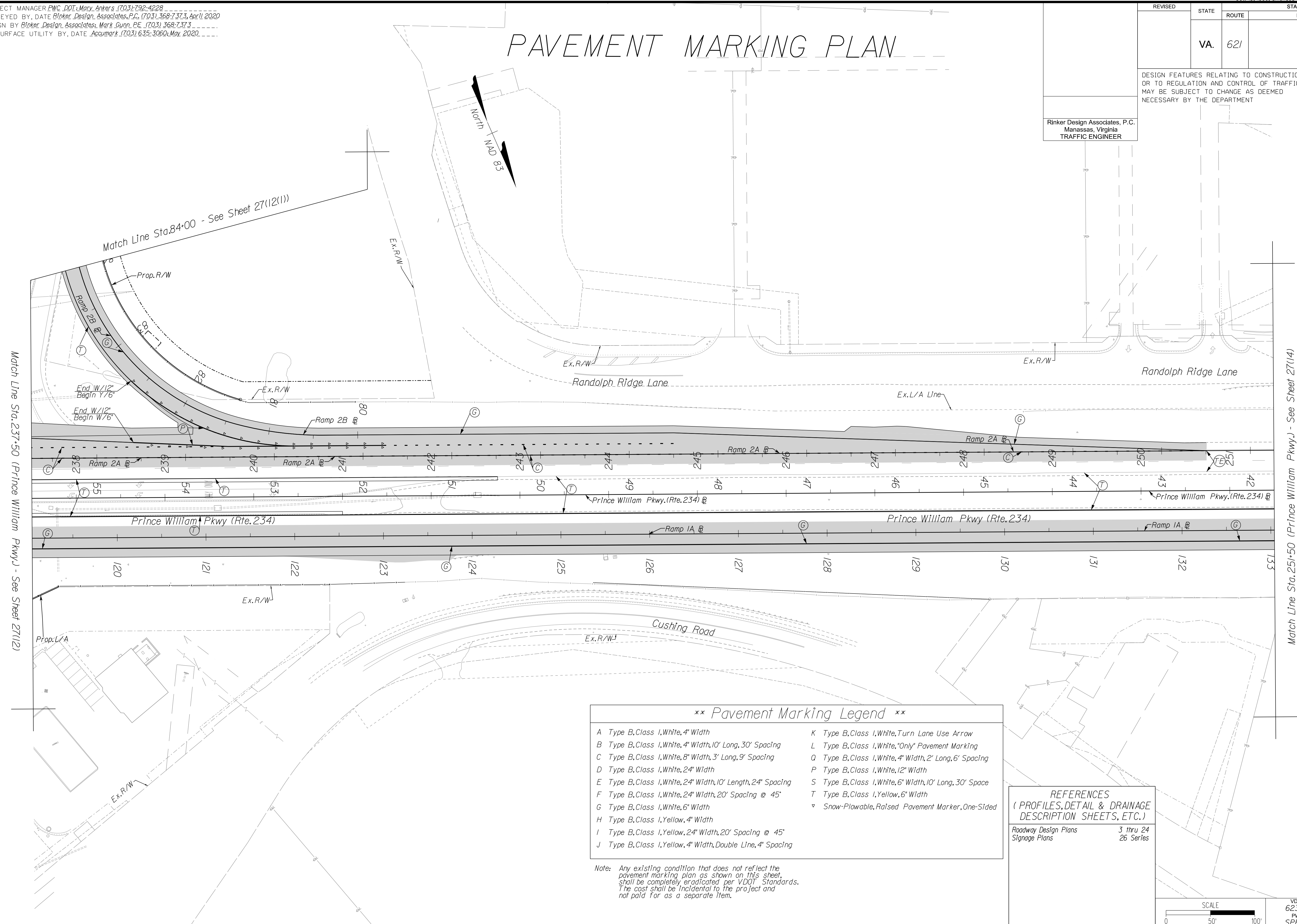
PROJECT MANAGER PWC\_DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

# PAVEMENT MARKING PLAN

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	27(13)

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Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER



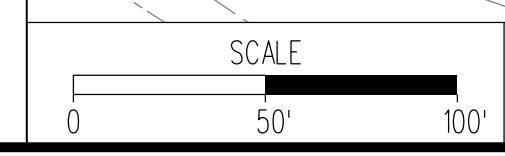
\*\* Pavement Marking Legend \*\*

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B Type B, Class I, White, 4" Width, 10' Long, 30' Spacing	L Type B, Class I, White, "Only" Pavement Marking
C Type B, Class I, White, 8" Width, 3' Long, 9' Spacing	O Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
D Type B, Class I, White, 24" Width	P Type B, Class I, White, 12" Width
E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing	S Type B, Class I, White, 6" Width, 10' Long, 30' Space
F Type B, Class I, White, 24" Width, 20' Spacing @ 45°	T Type B, Class I, Yellow, 6" Width
G Type B, Class I, White, 6" Width	v Snow-Plowable, Raised Pavement Marker, One-Sided
H Type B, Class I, Yellow, 4" Width	
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VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 27(13)
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PH PLAN

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

NOVA DISTRICT DESIGN UNIT

Rinker Design Associates, P.C.

Office Locations: Manassas, VA; Fairfax, VA; Falls Church, VA; Herndon, VA; Reston, VA; Springfield, VA; Washington, DC

Services: Civil Engineering, Surveying, Land Planning, Transportation, Right-of-Way Services

PROJECT MANAGER PWC\_DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# PAVEMENT MARKING PLAN

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	27(14)

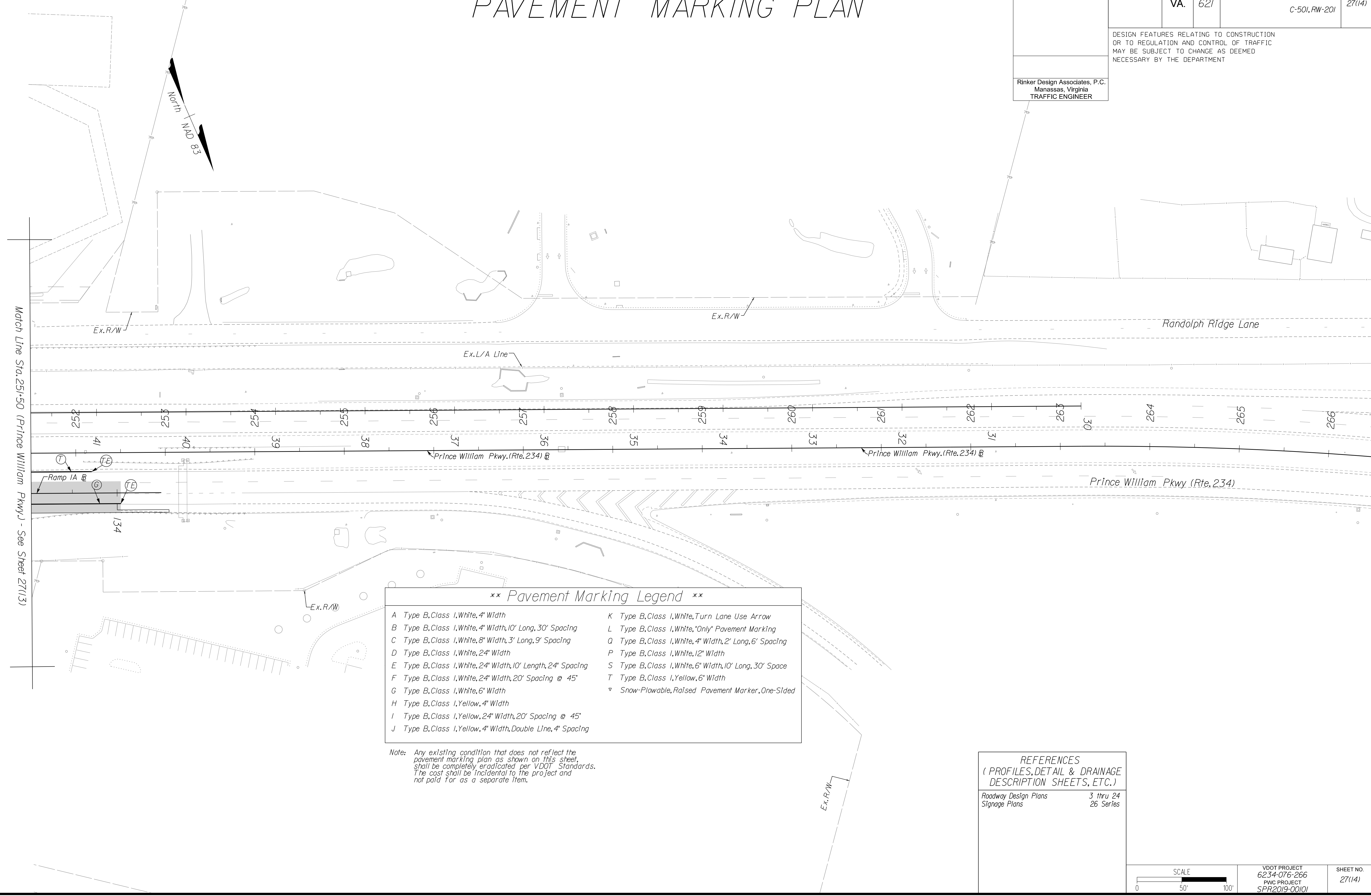
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Associates, P.C.  
 Manassas, Virginia  
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Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

**LANE**

NOVA DISTRICT DESIGN UNIT



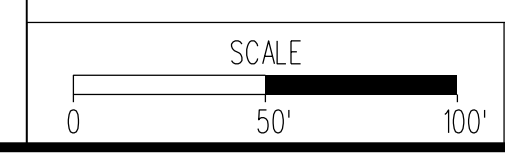
\*\* Pavement Marking Legend \*\*

A Type B, Class I, White, 4" Width	K Type B, Class I, White, Turn Lane Use Arrow
B Type B, Class I, White, 4" Width, 10' Long, 30' Spacing	L Type B, Class I, White, "Only" Pavement Marking
C Type B, Class I, White, 8" Width, 3' Long, 9' Spacing	Q Type B, Class I, White, 4" Width, 2' Long, 6' Spacing
D Type B, Class I, White, 24" Width	P Type B, Class I, White, 12" Width
E Type B, Class I, White, 24" Width, 10' Length, 24" Spacing	S Type B, Class I, White, 6" Width, 10' Long, 30' Space
F Type B, Class I, White, 24" Width, 20' Spacing @ 45°	T Type B, Class I, Yellow, 6" Width
G Type B, Class I, White, 6" Width	▽ Snow-Plowable, Raised Pavement Marker, One-Sided
H Type B, Class I, Yellow, 4" Width	
I Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°	
J Type B, Class I, Yellow, 4" Width, Double Line, 4" Spacing	

Note: Any existing condition that does not reflect the pavement marking plan as shown on this sheet, shall be completely eradicated per VDOT Standards. The cost shall be incidental to the project and not paid for as a separate item.

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

Roadway Design Plans	3 thru 24
Signage Plans	26 Series



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 27(14)
--	---------------------

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE. (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	28(1)

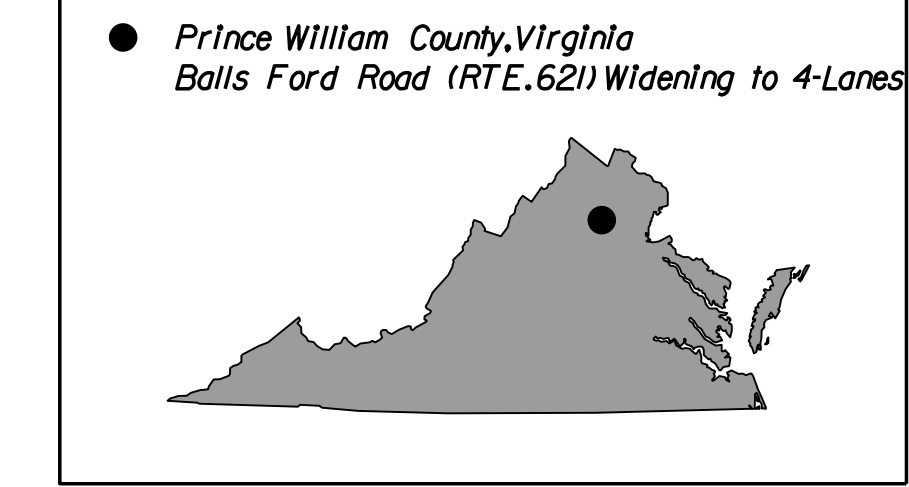
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

# Roadway Lighting Plan Title and Project Location Map

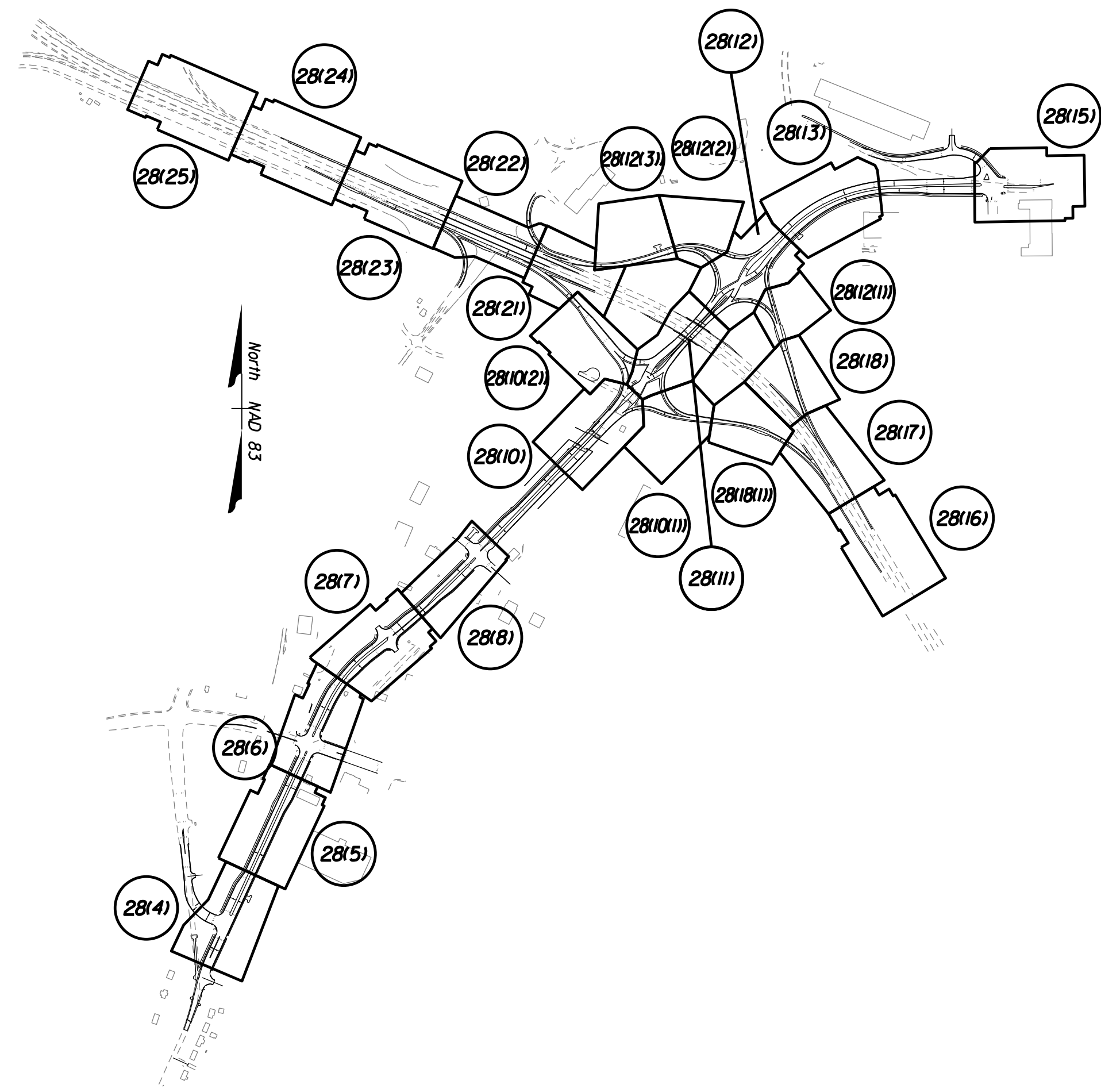
## Roadway Lighting Plan Overall Legend

- Prop. Decorative Luminaire → ← Exst. Decorative Luminaire
- Prop. Underbridge Luminaire → ← Exst. Underbridge Luminaire
- Prop. Signal Luminaire → ← Exst. Signal Luminaire
- Prop. Roadway Luminaire (High Watt) → ← Exst. Roadway Luminaire
- Prop. Roadway Luminaire LED Upgrade → ← Prop. Roadway Luminaire
- Prop. Luminaire Arm → ← Exst. Luminaire Arm
- Prop. Conduit Callout → ← Exst. Conduit Callout
- Prop. Control Center → ← Exst. Control Center
- Prop. CCW → ← Exst. CCW
- Prop. Transformer Cabinet, Meter, Safety Switch → ← Exst. Transformer Cabinet, Meter, Safety Switch
- Prop. Light Pole → ← Exst. Light Pole
- Prop. Light Pole Foundation (Breakaway) → ← Existing Light Pole (Breakaway)
- Prop. Light Pole Foundation → ← Exst. Light Pole Foundation
- Std. JB-S1 Req'd → ← Exst. Junction Box
- Std. JB-S2 Req'd → ← Exst. Junction Box
- Std. JB-S3 Req'd → ← Exst. Junction Box
- AGI32 MarkPoint → ← AGI32 MarkPoint
- AGI32 Calcpoint → ← AGI32 Calcpoint

## PROJECT LOCATION



PROJECT LOCATION:  
 Midpoint (Rte. 621/Rte. 234 Intersection)  
 Latitude = 38° 47' 36.89" N  
 Longitude = 77° 32' 12.83" W



## PROJECT LIGHTING AREA

The Prince William Parkway (Rte. 234) Interchange at Balls Ford (Rte. 621) Project has been designed in accordance with RP-8-18 to include all thru lane traffic pavement as shown in the plans along the Rte. 234 Construction Baseline and Route 621 Construction Baseline.

## PROJECT LOCATION

From: Jennell Drive  
 To: Doane Drive  
 Latitude = 38° 47' 36.89" N  
 Longitude = 77° 32' 12.83" W

## PROJECT SHEET INDEX

Sheet No. 28(1)	Roadway Lighting Plan Title and Project Location Map
Sheet No. 28(3)	Not Used
Sheet No. 28(4)	Plan Sheet
Sheet No. 28(5)	Not Used
Sheet No. 28(6)	Plan Sheet
Sheet No. 28(7)	Not Used
Sheet No. 28(8)	Plan Sheet
Sheet No. 28(9)	Not Used
Sheet No. 28(10)	Plan Sheet
Sheet No. 28(10(1))	Plan Sheet
Sheet No. 28(10(2))	Plan Sheet
Sheet No. 28(11)	Plan Sheet
Sheet No. 28(11(1))	Underbridge Plan and Details
Sheet No. 28(12)	Plan Sheet
Sheet No. 28(12(1))	Plan Sheet
Sheet No. 28(12(2))	Plan Sheet
Sheet No. 28(12(3))	Plan Sheet
Sheet No. 28(13)	Plan Sheet
Sheet No. 28(14)	Not Used
Sheet No. 28(15)	Plan Sheet
Sheet No. 28(16)	Plan Sheet
Sheet No. 28(17)	Plan Sheet
Sheet No. 28(18)	Plan Sheet
Sheet No. 28(18(1))	Plan Sheet
Sheet No. 28(19)	Not Used
Sheet No. 28(20)	Not Used
Sheet No. 28(21)	Plan Sheet
Sheet No. 28(22)	Plan Sheet
Sheet No. 28(23)	Plan Sheet
Sheet No. 28(24)	Plan Sheet
Sheet No. 28(25)	Plan Sheet

## SUBSURFACE UTILITY OWNERS:

- 1 - PWCSA  
Maureen Knight  
(703) 335-8933
- 2 - Verizon  
William "Bill" Lacy  
(703) 369-9571
- 3 - FiberLight, LLC  
Karl Strootman  
(410) 979-0384
- 4 - Zayo Communications  
Kris Kobylski  
(571) 220-4813
- 5 - Summit IG  
(703) 443-1956
- 6 - Metro Duct Systems Of Va  
Christopher Hunt  
(703) 479-0305
- 7 - Comcast  
Doug Wright  
(434) 951-3843
- 8 - NOVEC  
(703) 392-1519
- 9 - Washington Gas  
(703) 750-1000

SCALE 0 750' 1,500'	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(0)	SHEET NO. 28(1)
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PH PLAN

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 Transportation - Surveying - Right of Way Services

LANE  
 NOVA DISTRICT DESIGN UNIT



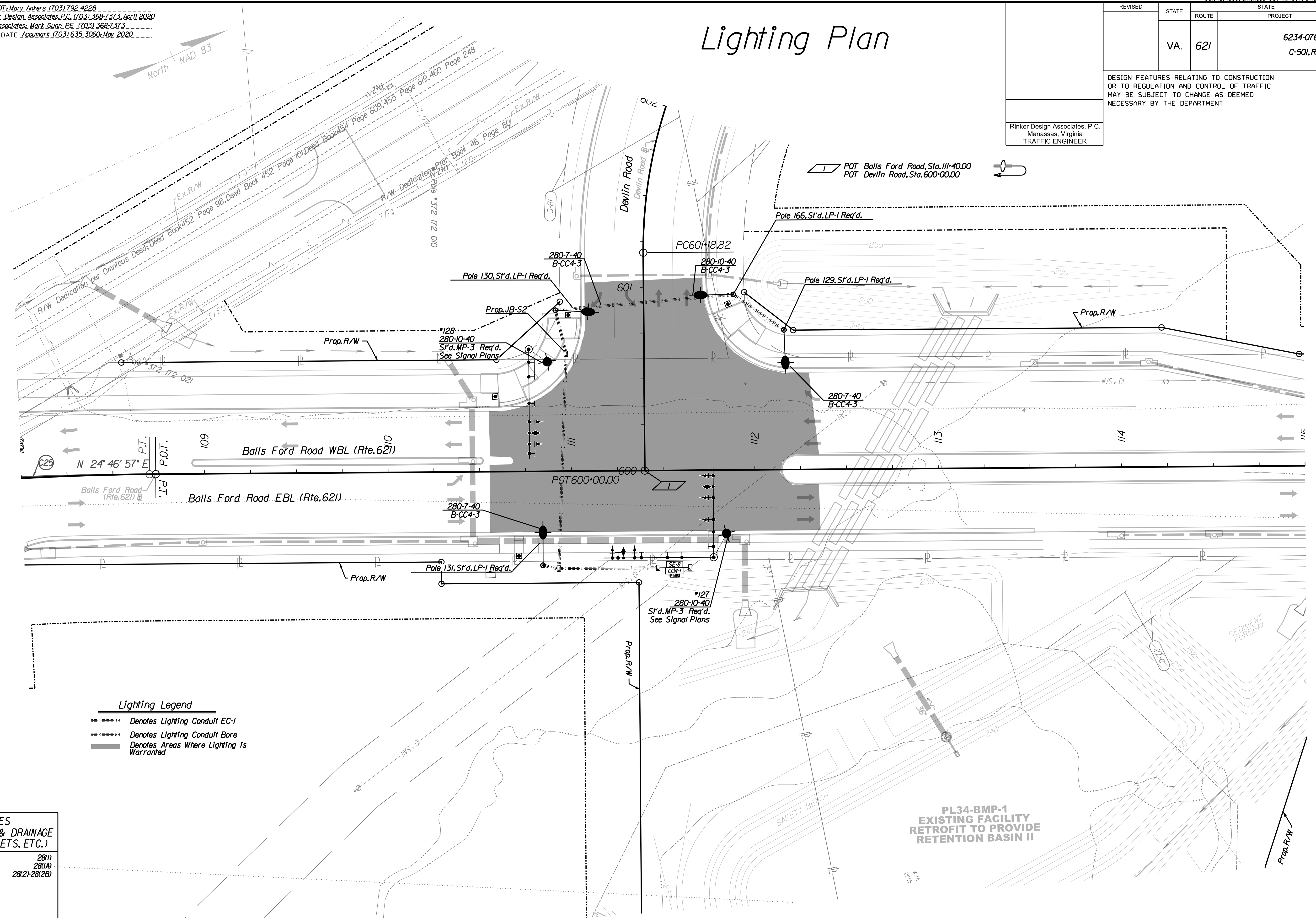
PROJECT MANAGER PWC, DOT, Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

# Lighting Plan

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	28(4)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER



**Lighting Legend**  
 - - - - - Denotes Lighting Conduit EC-1  
 - - - - - Denotes Lighting Conduit Bore  
 - - - - - Denotes Areas Where Lighting Is Warranted

**REFERENCES**  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)  
 Lighting Plan Legend 28(1)  
 Lighting General Notes 28(1A)  
 Lighting Details & Schedule 28(2)-28(2B)

PH PLAN

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SCALE 0 25' 50'	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(0)	SHEET NO. 28(4)
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 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

LANE  
 NOVA DISTRICT DESIGN UNIT

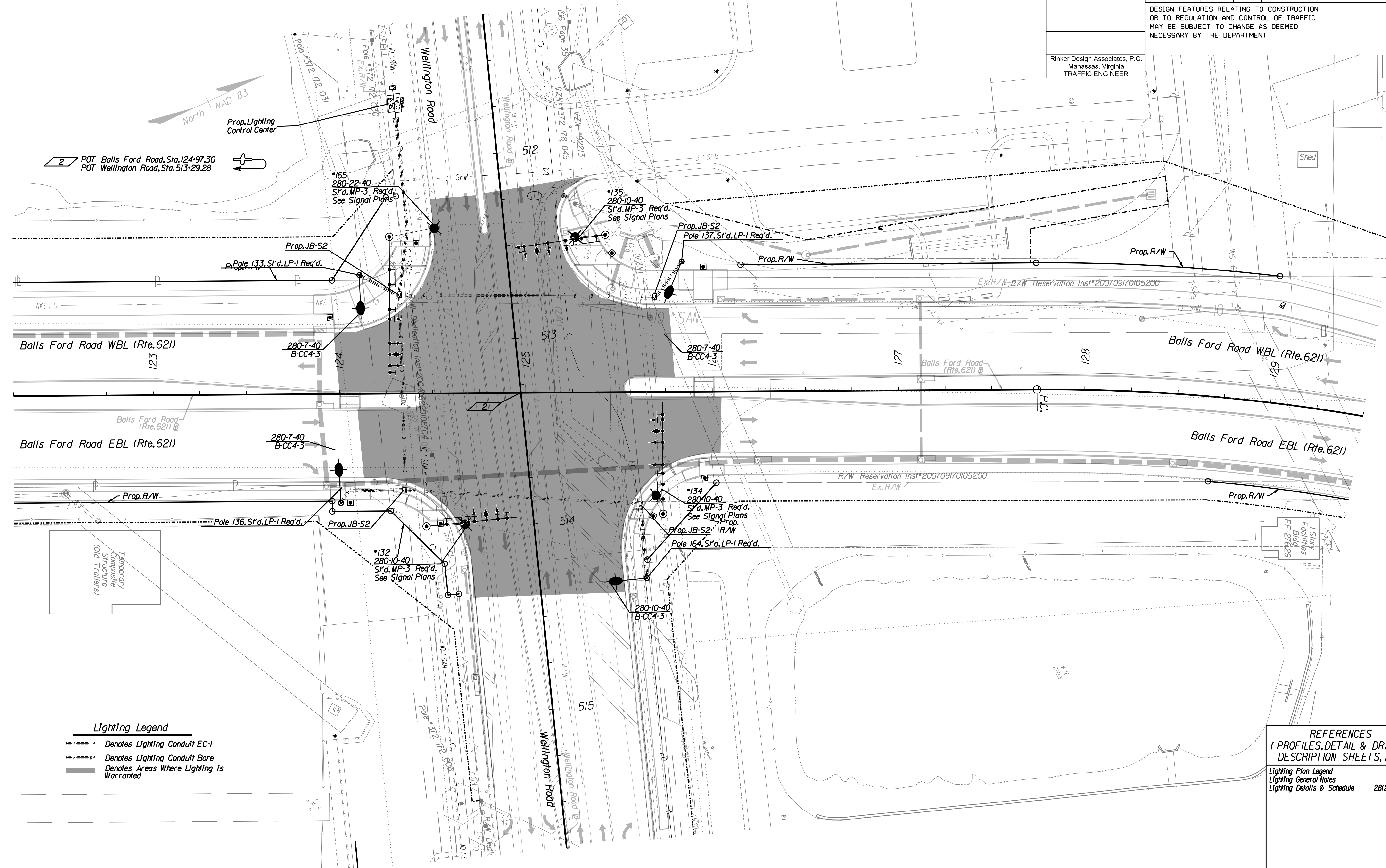
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# Lighting Plan

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	28(16)

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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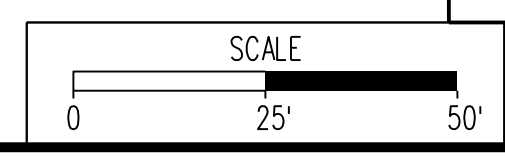
2 POT Balls Ford Road, Sta. 124+97.30  
 POT Wellington Road, Sta. 513+29.28

### Lighting Legend

- ==== Denotes Lighting Conduit EC-1
- ==== Denotes Lighting Conduit Bore
- Denotes Areas Where Lighting is Warranted

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

Lighting Plan Legend	28(1)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)



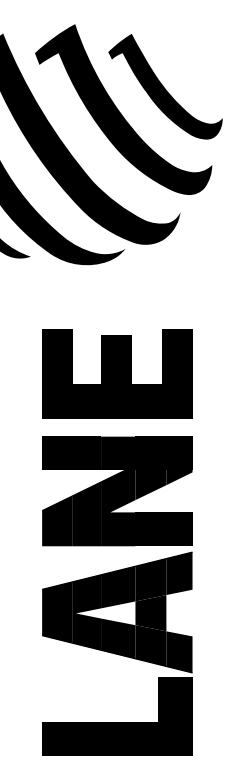
VDOT PROJECT 6234-076-266	SHEET NO. 28(16)
PWC PROJECT SPR2019-001(0)	

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 Reston, VA  
 Springfield, VA  
 Washington, DC

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# Lighting Plan

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	28(8)

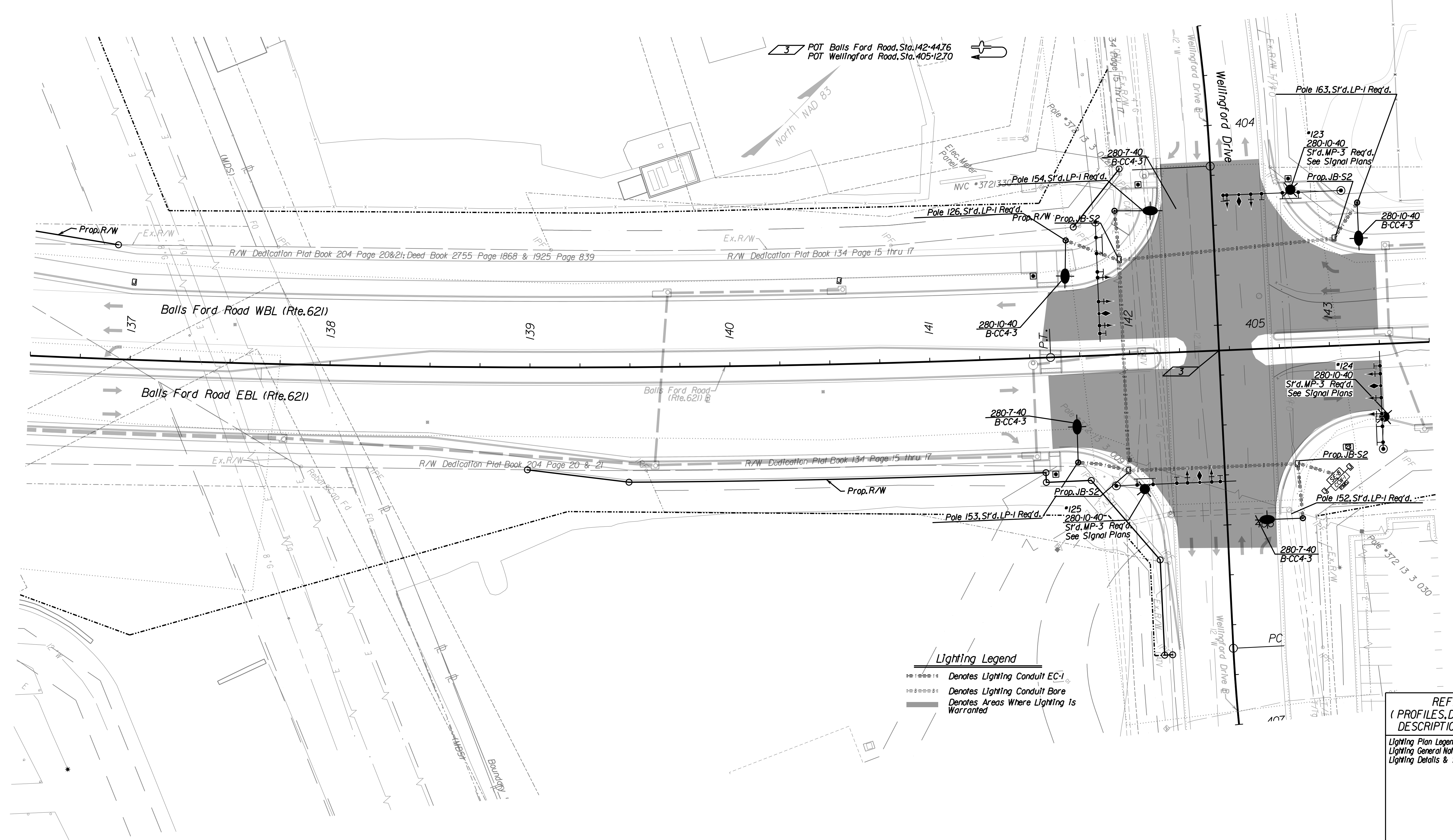
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NOVA DISTRICT DESIGN UNIT



**Lighting Legend**

- Denotes Lighting Conduit EC-1
- Denotes Lighting Conduit Bore
- Denotes Areas Where Lighting is Warranted

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

Lighting Plan Legend	28(1)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)

SCALE 0 25' 50'

VDOT PROJECT 6234-076-266	SHEET NO. 28(8)
PWC PROJECT SPR2019-001(1)	

PH PLAN

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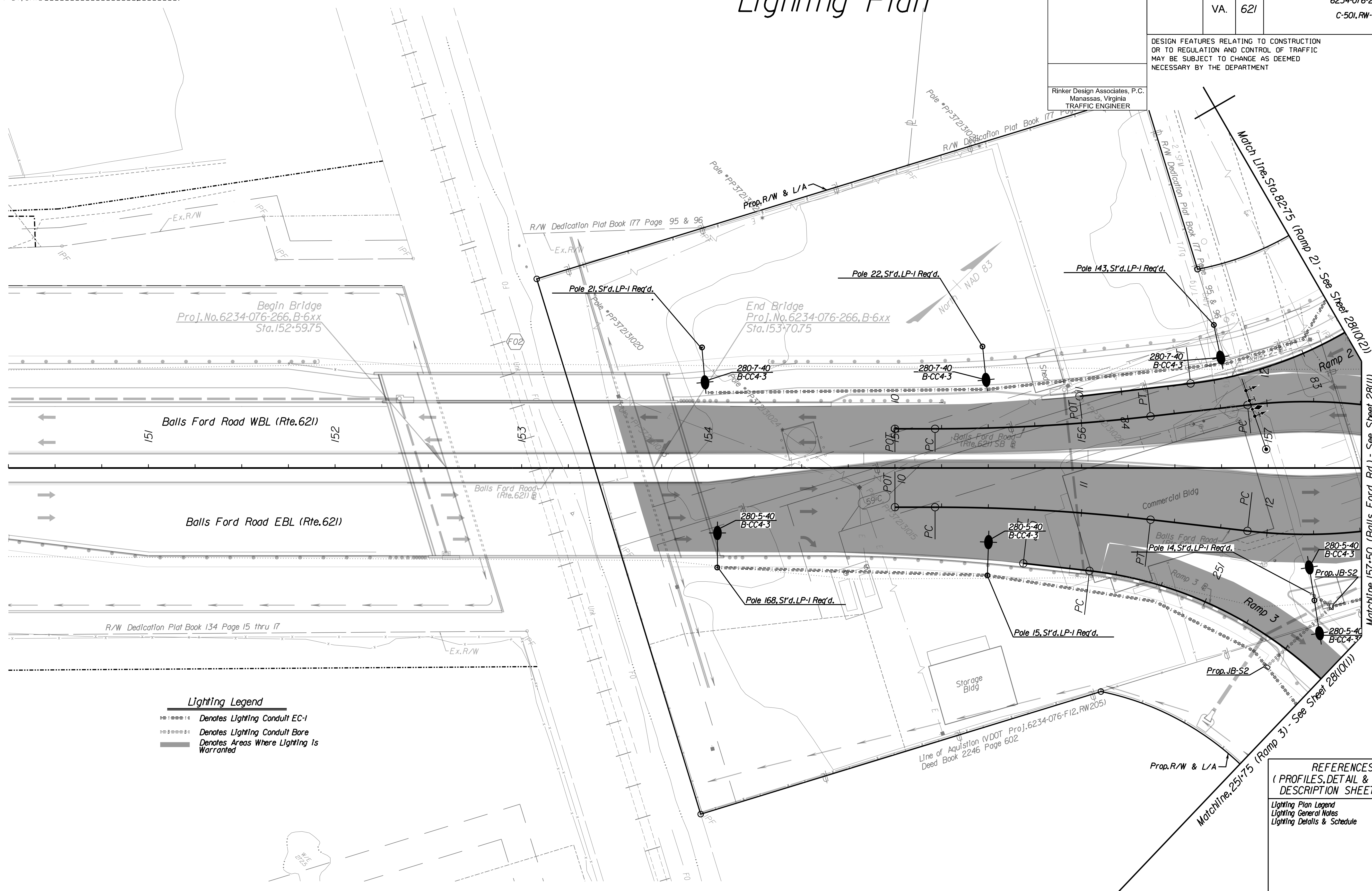
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
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 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# Lighting Plan

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	28(10)

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

Rinker Design Associates, P.C.  
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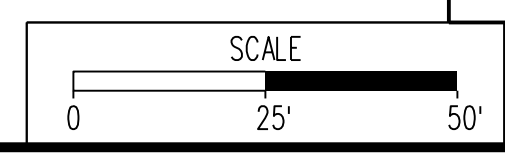


**Lighting Legend**

- Denotes Lighting Conduit EC-1
- Denotes Lighting Conduit Bore
- Denotes Areas Where Lighting Is Warranted

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

Lighting Plan Legend	28(1)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)



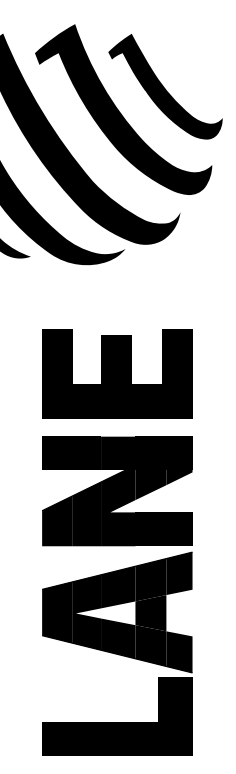
VDOT PROJECT 6234-076-266	SHEET NO. 28(10)
PWC PROJECT SPR2019-001(0)	

PH PLAN

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NOVA DISTRICT DESIGN UNIT



Rinker Design Associates, P.C.

Office Locations

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 Fairfax, VA  
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 Springfield, VA  
 Washington, DC  
 York, VA

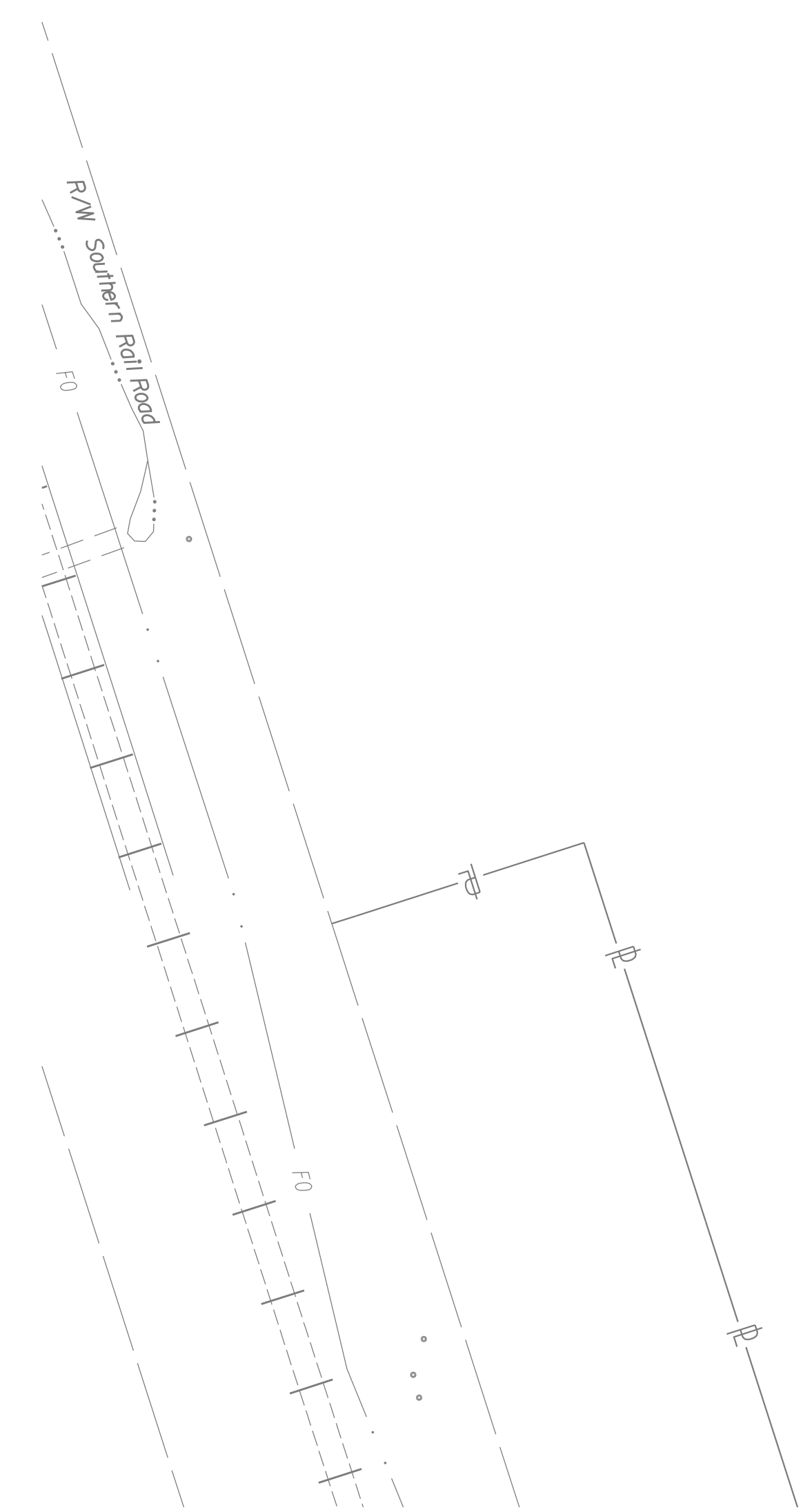
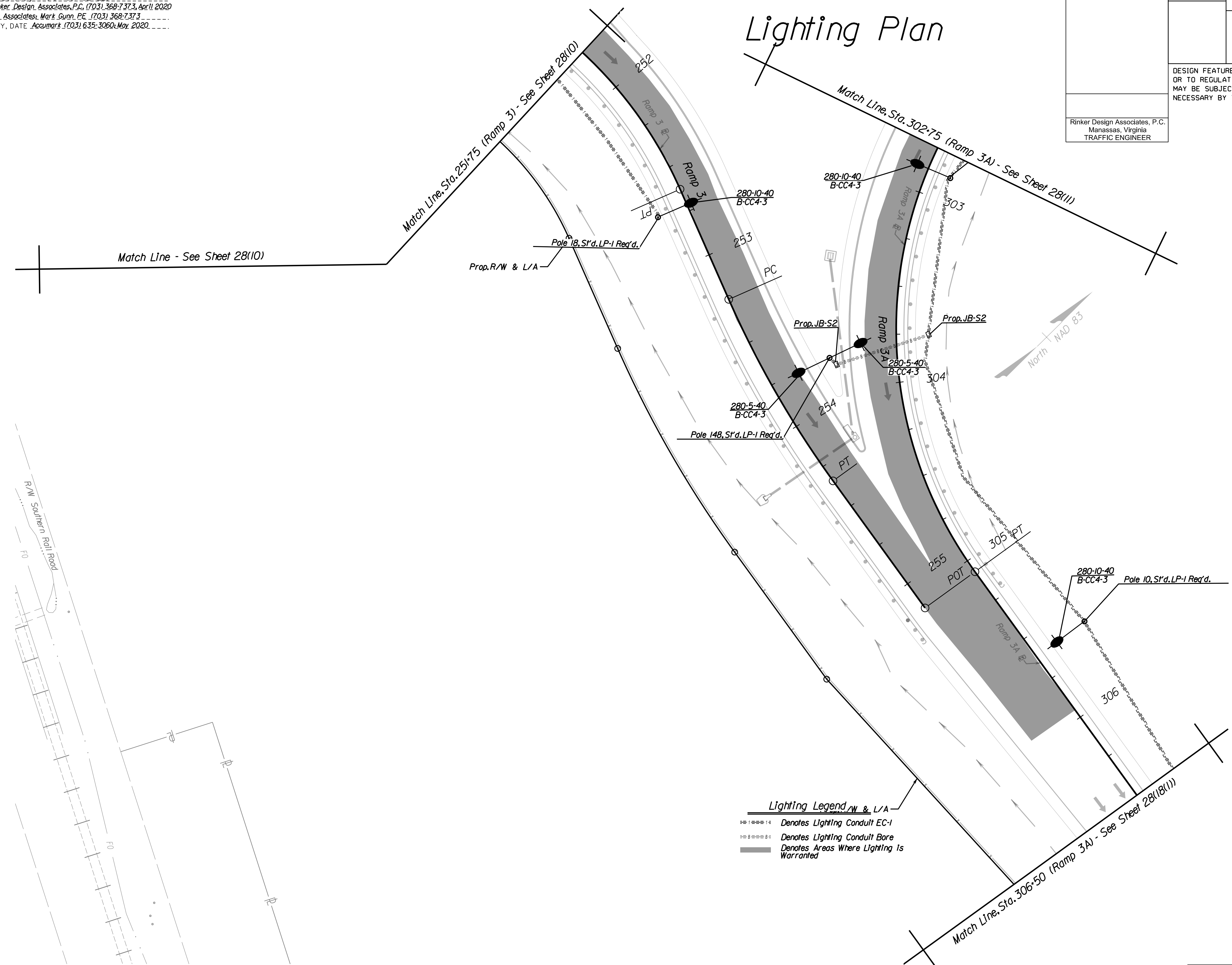
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# Lighting Plan

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	281(1011)

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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 Manassas, Virginia  
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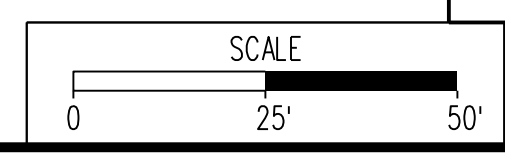


**Lighting Legend** *NW & L/A*

- ==== Denotes Lighting Conduit EC-1
- ==== Denotes Lighting Conduit Bore
- ==== Denotes Areas Where Lighting Is Warranted

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

Lighting Plan Legend	2811
Lighting General Notes	281(A)
Lighting Details & Schedule	281(2)-281(2B)

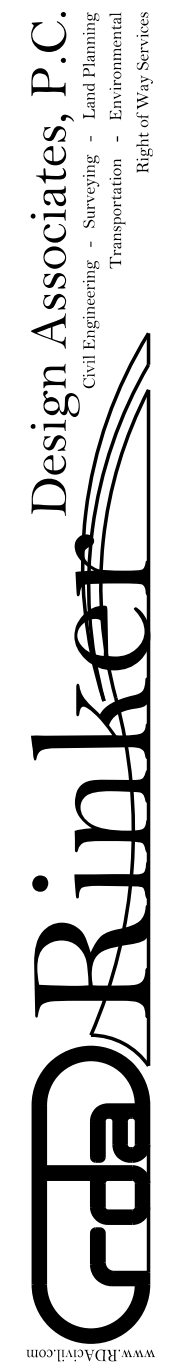


VDOT PROJECT 6234-076-266	SHEET NO. 281(1011)
PWC PROJECT SPR2019-001(1)	

PH PLAN

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 Reston, VA  
 Springfield, VA  
 Warrenton, OR  
 Washington, DC  
 York, PA

NOVA DISTRICT DESIGN UNIT

# Lighting Plan

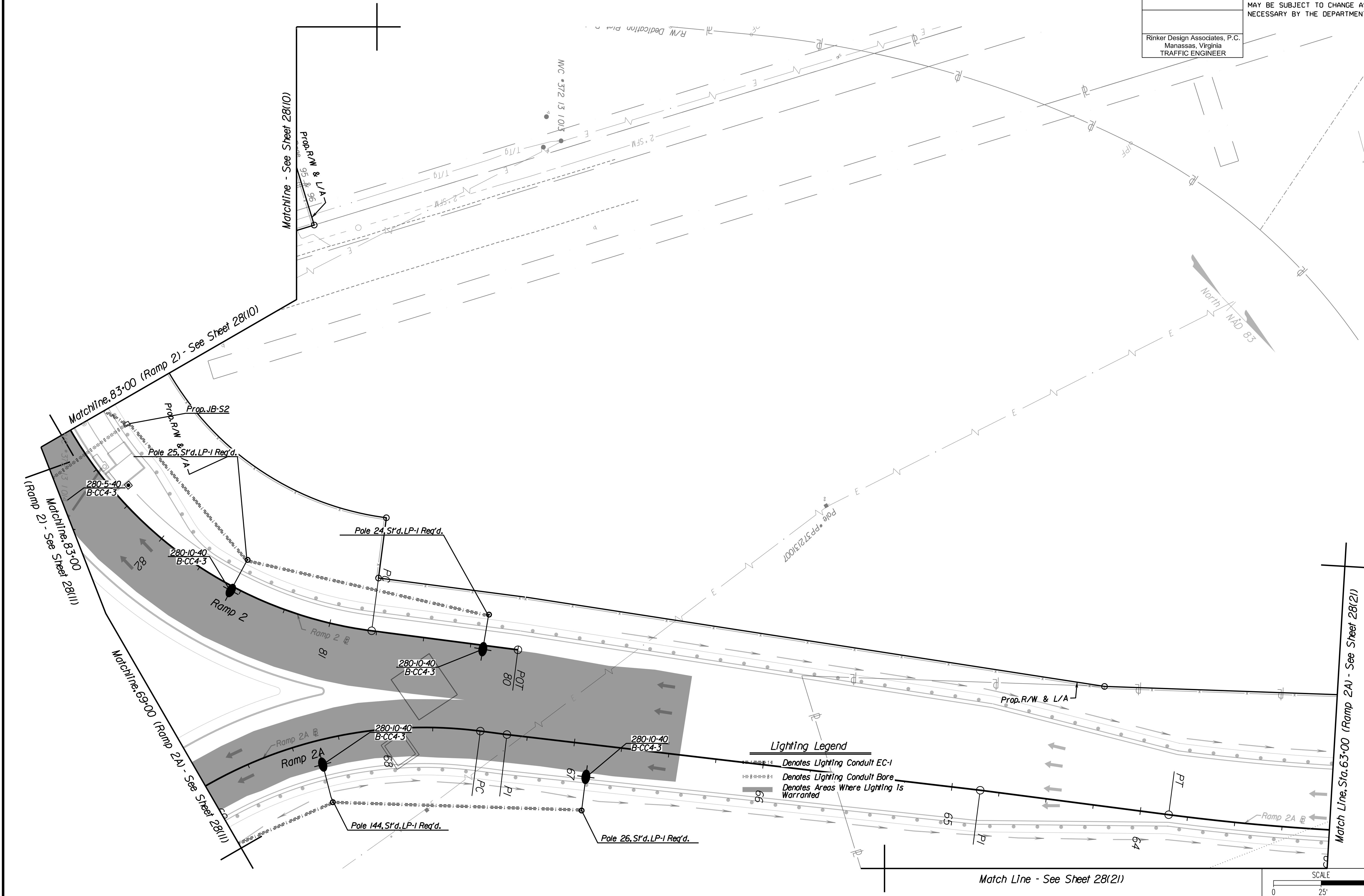
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	28(10/21)

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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 Manassas, Virginia  
 TRAFFIC ENGINEER

NOVA DISTRICT DESIGN UNIT  
  
  
 Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

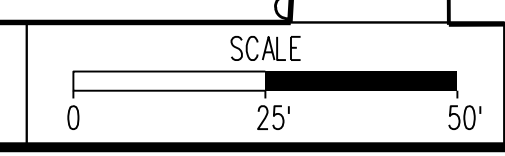


**Lighting Legend**

- Denotes Lighting Conduit EC-1
- - - Denotes Lighting Conduit Bore
- Denotes Areas Where Lighting is Warranted

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

Lighting Plan Legend	28(1)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)



VDOT PROJECT	6234-076-266	SHEET NO.	28(10/21)
PWC PROJECT	SPR2019-001(0)		

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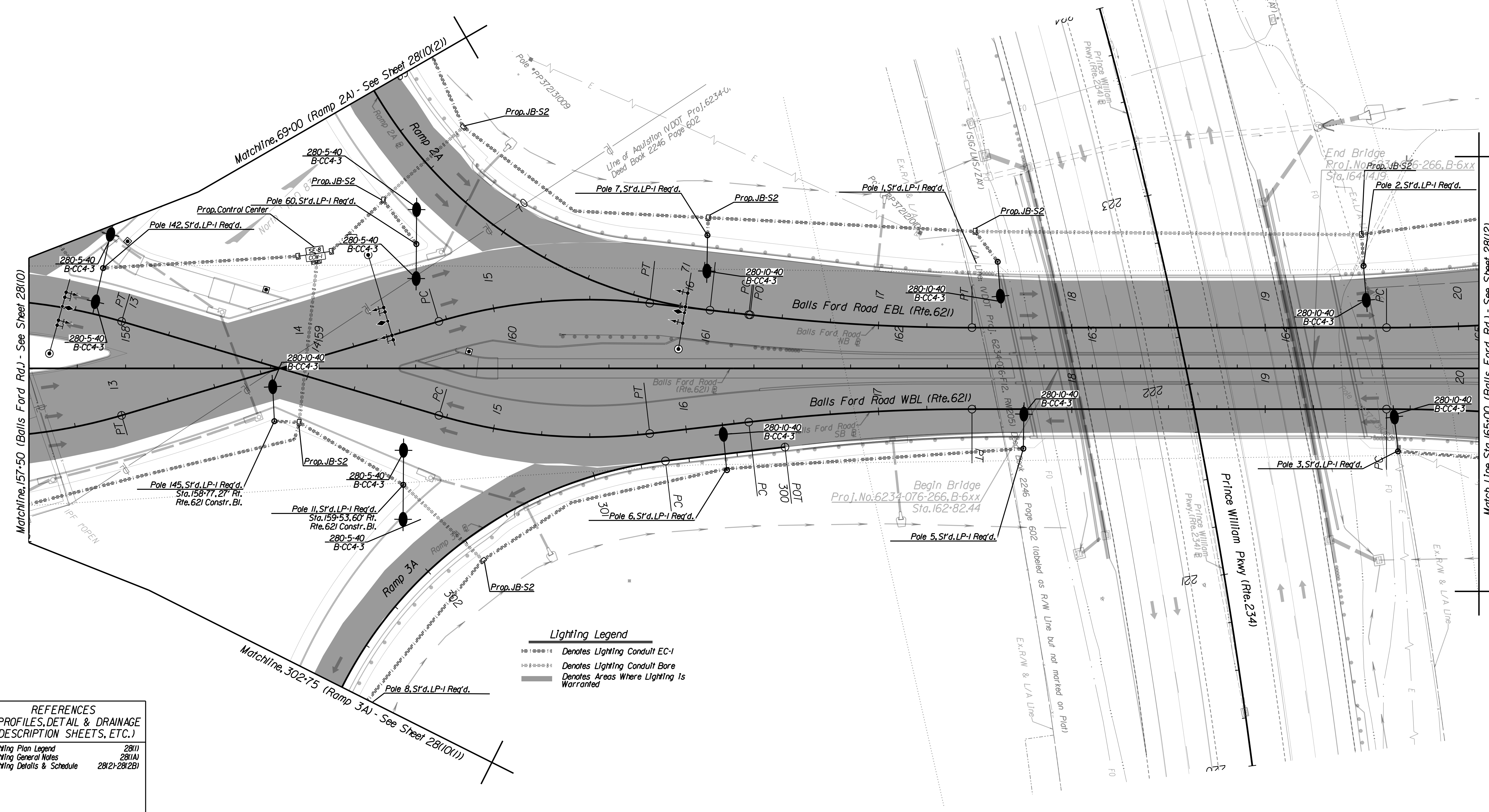
# Lighting Plan

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	28(11)

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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 Manassas, Virginia  
 TRAFFIC ENGINEER

NOVA DISTRICT DESIGN UNIT  
**LANE**  
**Rinker**  
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 Transportation - Right of Way Services  
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**Lighting Legend**

- Denotes Lighting Conduit EC-1
- Denotes Lighting Conduit Bore
- Denotes Areas Where Lighting Is Warranted

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

Lighting Plan Legend	28(1)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)

PH PLAN

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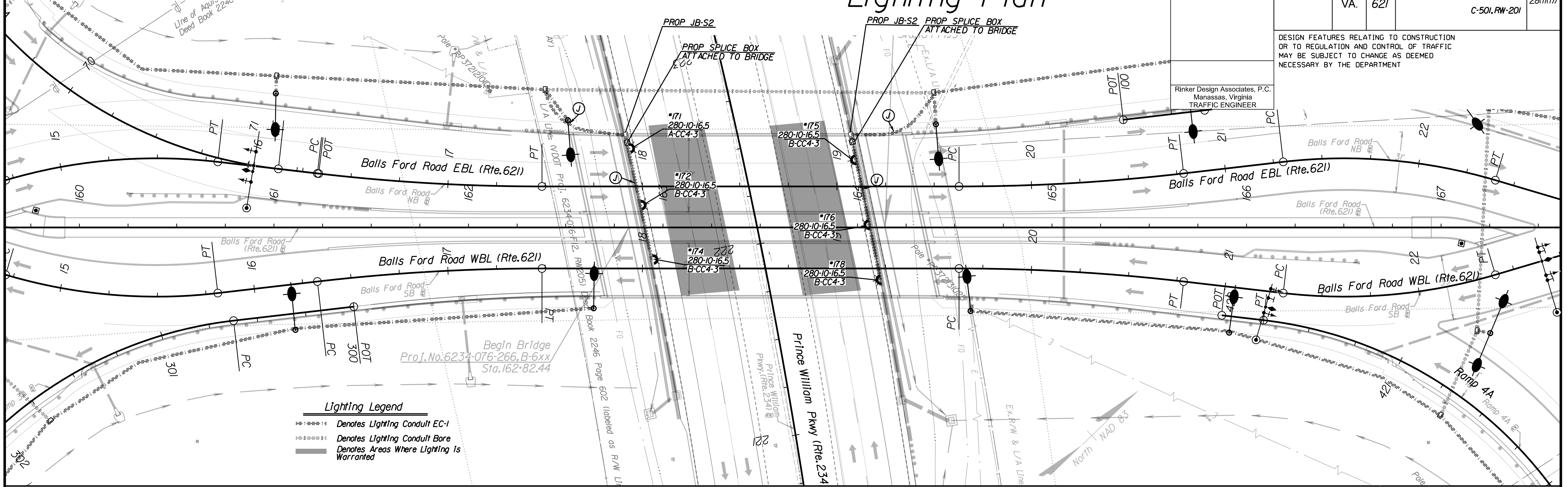
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 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# Lighting Plan

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	28(III)

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

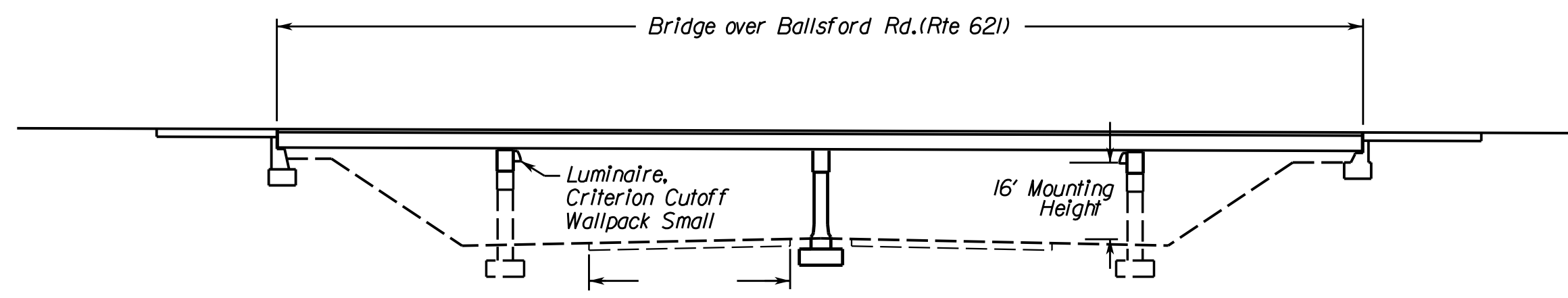
Rinker Design Associates, P.C.  
 Manassas, Virginia  
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**Lighting Legend**

- Denotes Lighting Conduit EC-1
- Denotes Lighting Conduit Bore
- Denotes Areas Where Lighting Is Warranted

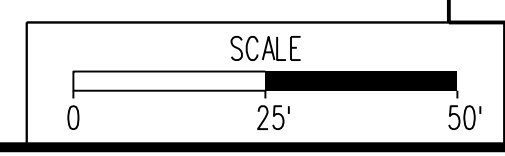
NOTE: THIS SHEET IS FOR UNDERBRIDGE LIGHTING ONLY. FOR BALLS FORD ROAD LIGHTING, SEE SHEET 28(II).



Under-Bridge over Prince William Pkwy. (Rte 234) Lighting Typical  
 (Not to Scale)

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

Lighting Plan Legend	28(II)
Lighting General Notes	28(IA)
Lighting Details & Schedule	28(2)-28(2B)



VDOT PROJECT 6234-076-266	SHEET NO. 28(III)
PWC PROJECT SPR2019-00101	

PH PLAN

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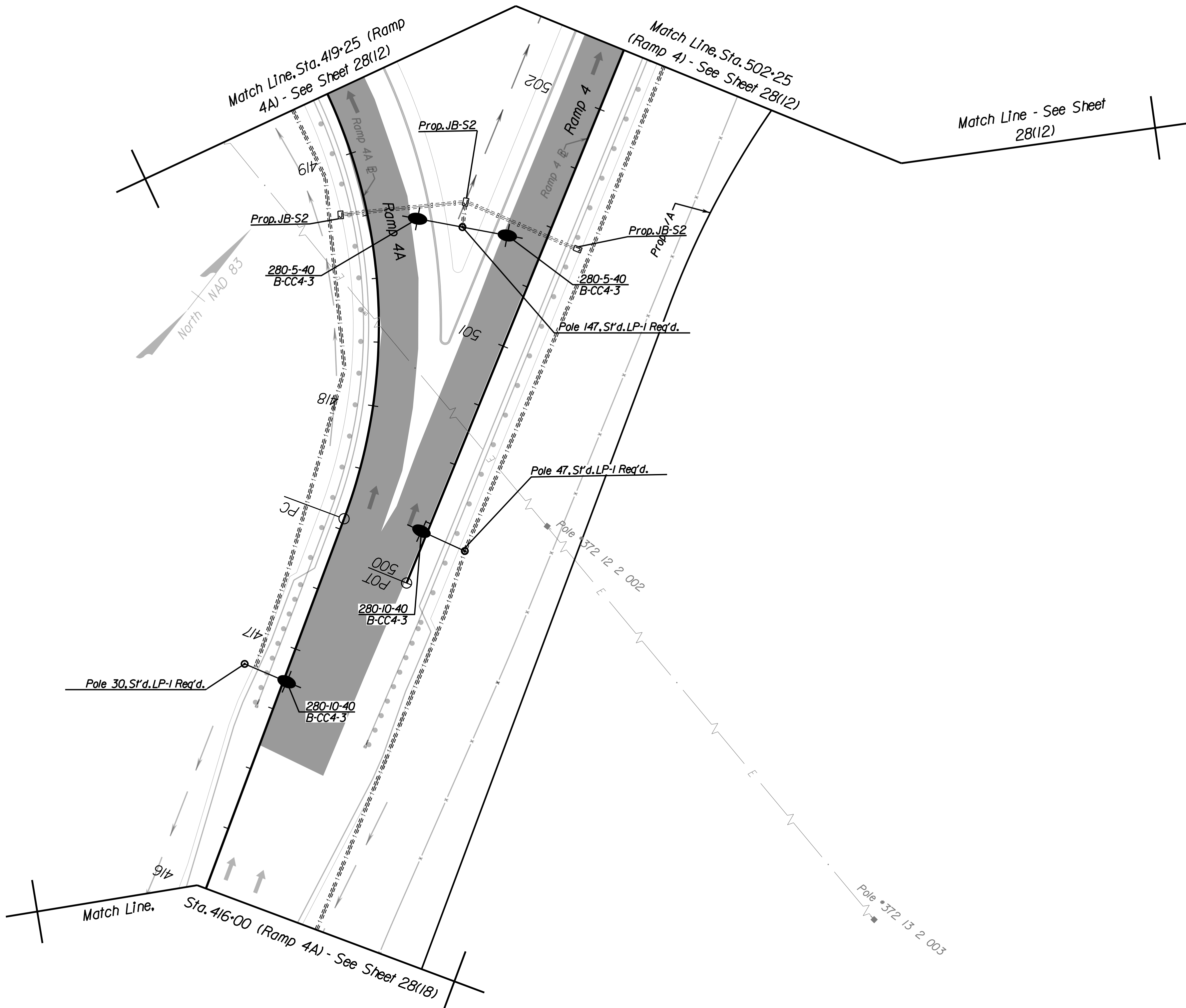
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# Lighting Plan

REVISED	STATE		STATE	SHEET NO.
	ROUTE	PROJECT		
	VA.	621	6234-076-266, C-501, RW-201	28(12(1))

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

Lighting Plan Legend	28(1)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)

SCALE 0 25' 50'	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(1)	SHEET NO. 28(12(1))
--------------------	---	------------------------

PH PLAN

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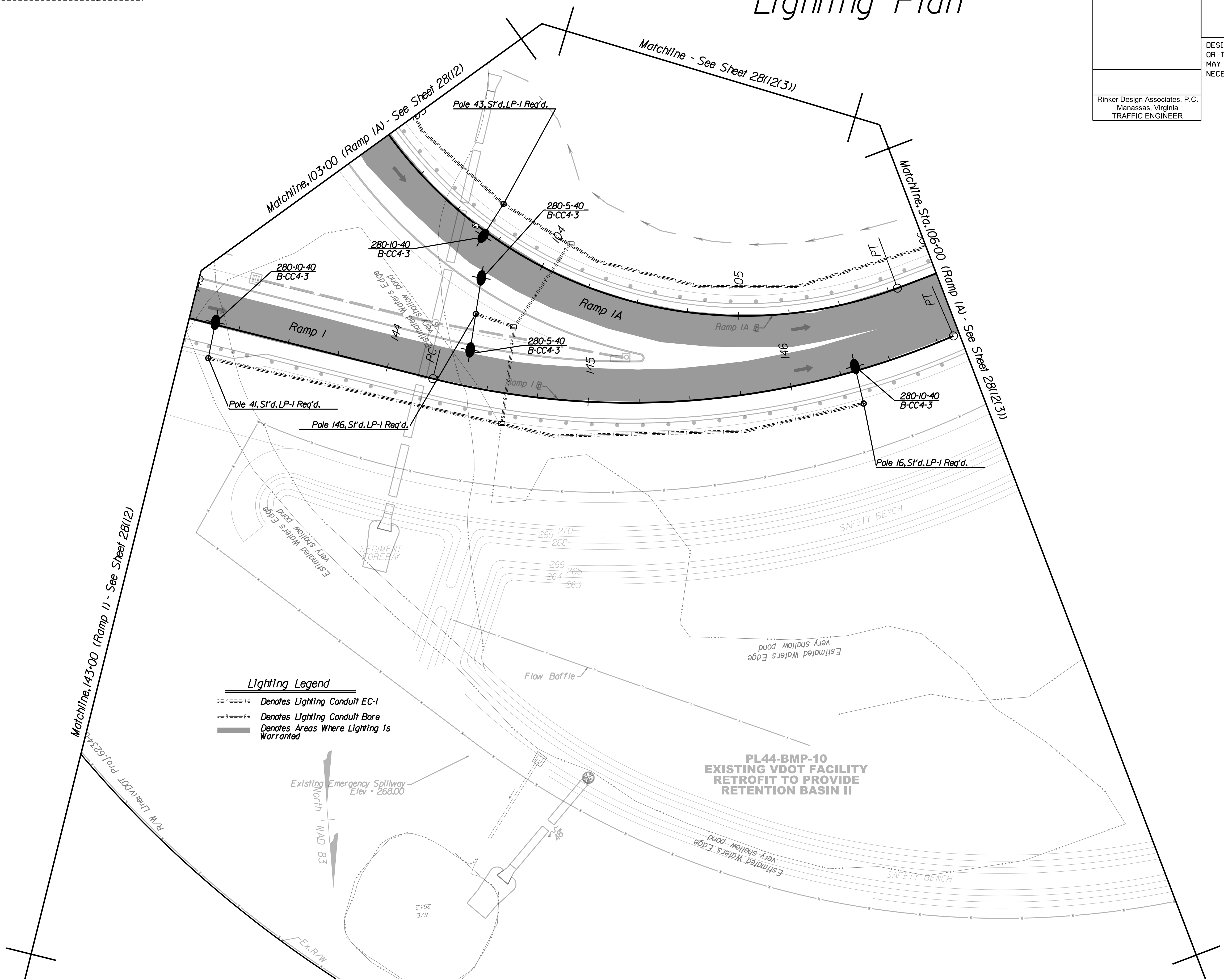
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
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 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

# Lighting Plan

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	28(122)

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

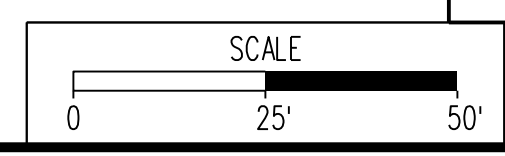
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 Manassas, Virginia  
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**Lighting Legend**  
 - - - - - Denotes Lighting Conduit EC-1  
 - - - - - Denotes Lighting Conduit Bore  
 - - - - - Denotes Areas Where Lighting Is Warranted

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

Lighting Plan Legend	28(1)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)



VDOT PROJECT 6234-076-266	SHEET NO. 28(122)
PWC PROJECT SPR2019-001(0)	

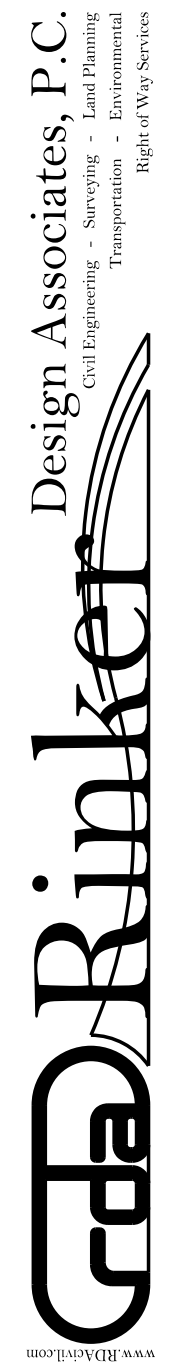
PH PLAN

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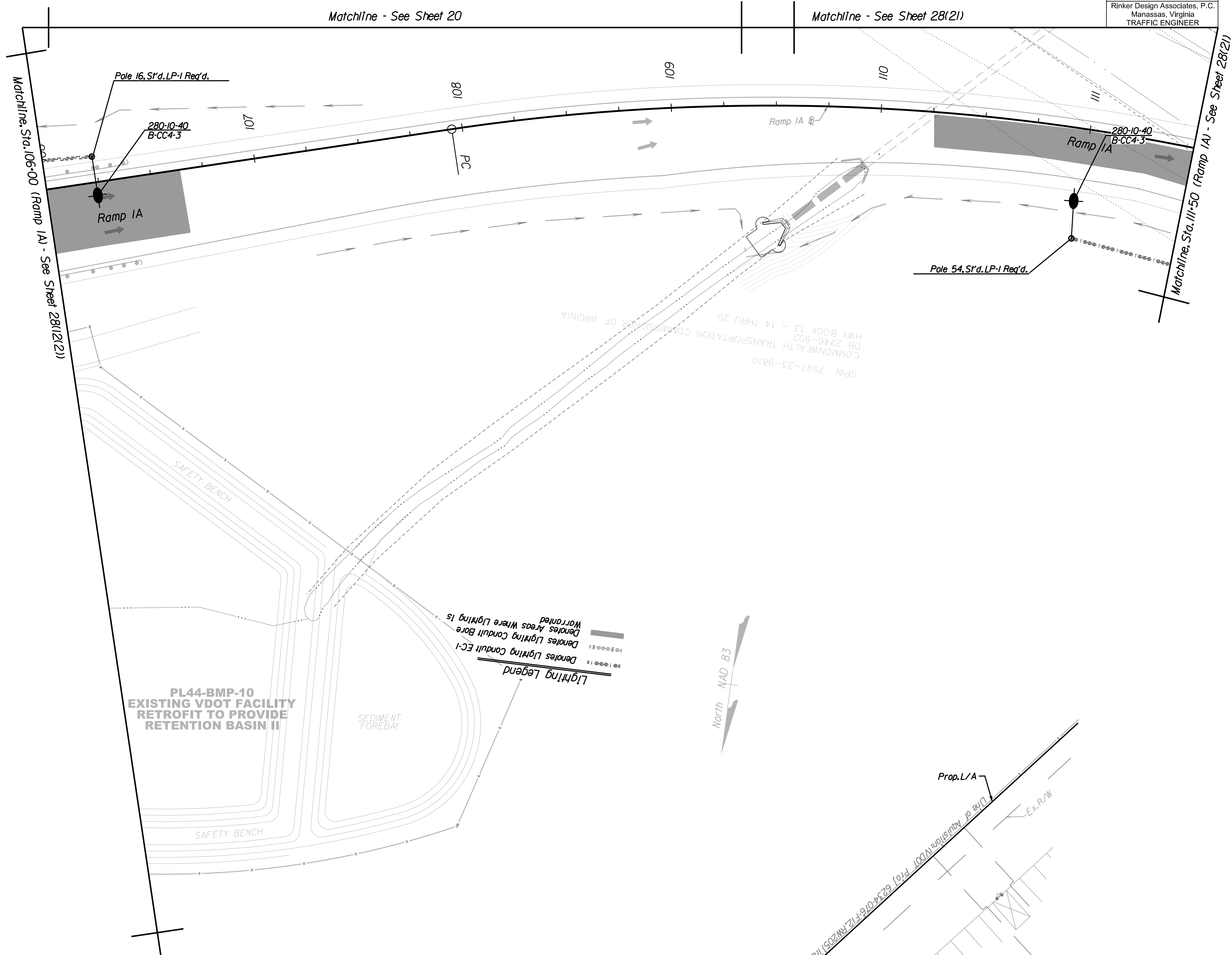
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
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 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# Lighting Plan

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	281(2/3)

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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GPIN 7597-23-9810  
 DB 2246-602  
 HMY BOOK 13 - 14 THRU 20  
 COMMONWEALTH TRANSPORTATION COMMISSION OF VIRGINIA

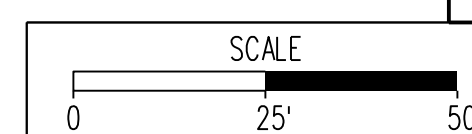
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 Transportation - Right of Way Services



NOVA DISTRICT DESIGN UNIT

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

Lighting Plan Legend	281(1)
Lighting General Notes	281(A)
Lighting Details & Schedule	281(2)-281(2B)



VDOT PROJECT 6234-076-266	SHEET NO. 281(2/3)
PWC PROJECT SPR2019-001(1)	

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 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

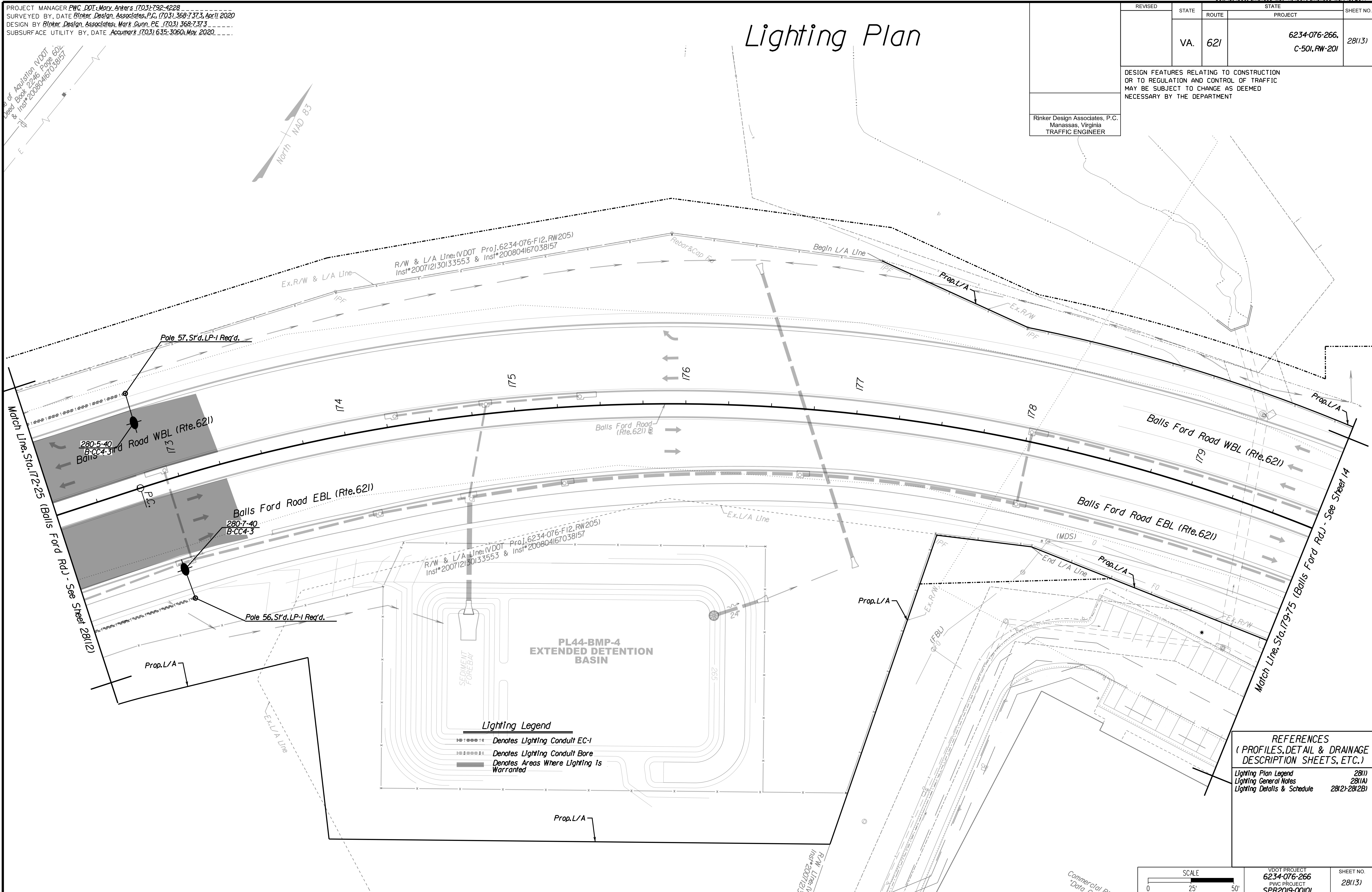
# Lighting Plan

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	28(13)

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**Lighting Legend**

- Denotes Lighting Conduit EC-1
- Denotes Lighting Conduit Bore
- Denotes Areas Where Lighting Is Warranted

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

Lighting Plan Legend	28(1)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)

SCALE	0 25' 50'	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 28(13)
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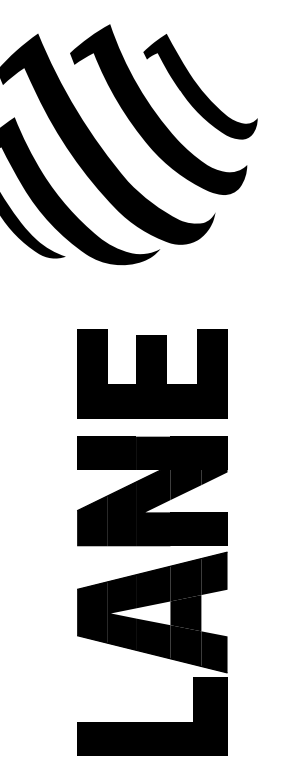
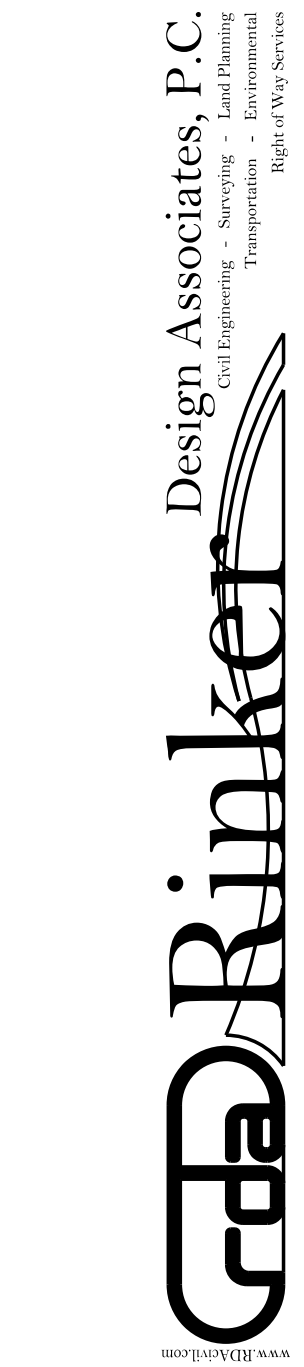
# Lighting Plan

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

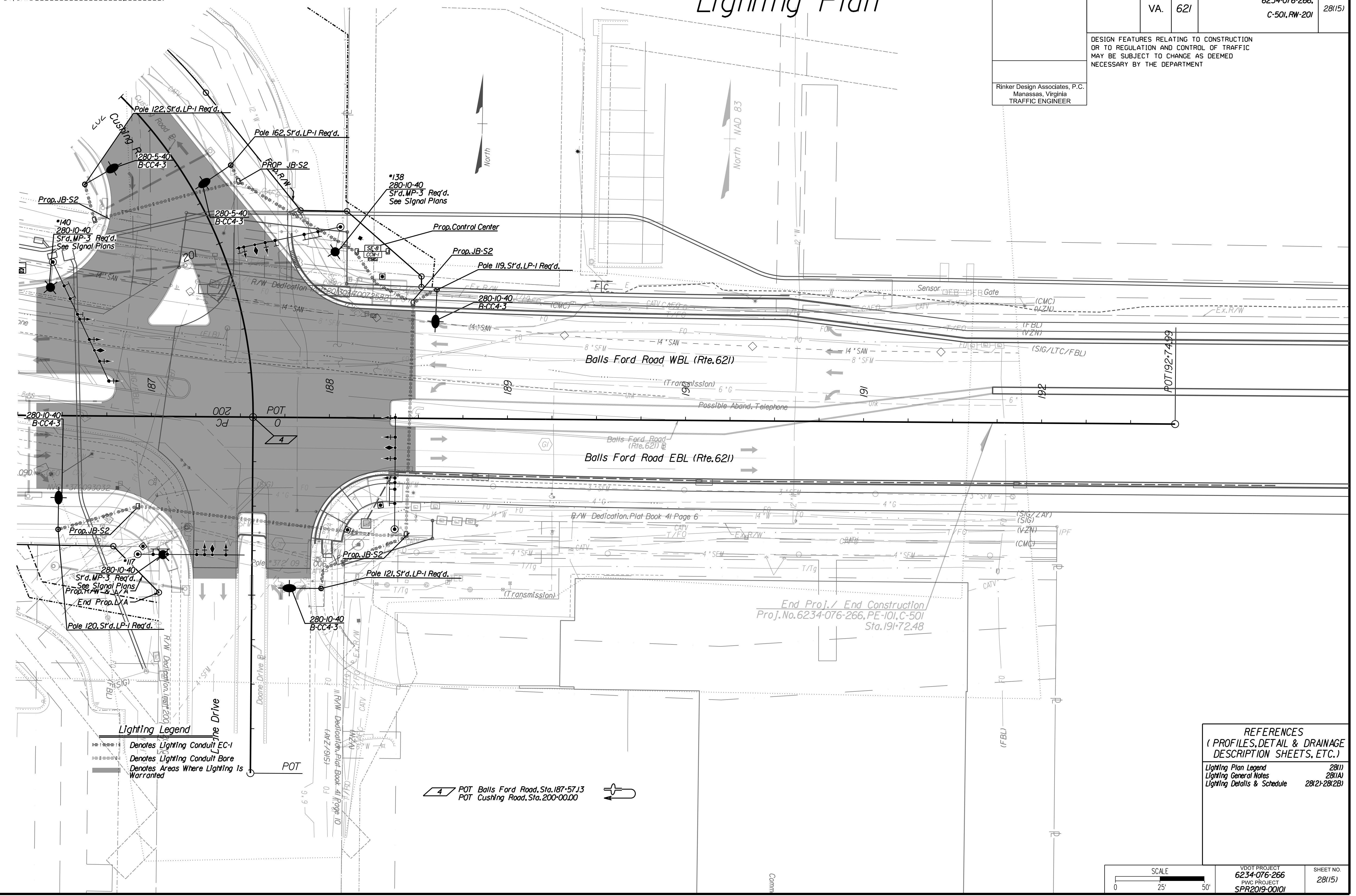
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	28(15)

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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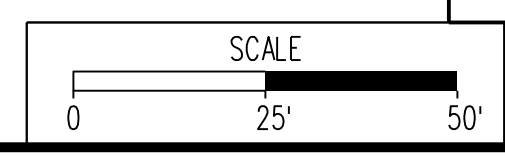
**Lighting Legend**  
 --- Denotes Lighting Conduit EC-1  
 --- Denotes Lighting Conduit Bore  
 --- Denotes Areas Where Lighting is Warranted

4 POT Balls Ford Road, Sta. 187+57.13  
 POT Cushing Road, Sta. 200+00.00

End Proj./ End Construction  
 Proj. No. 6234-076-266, PE-101, C-501  
 Sta. 191+72.48

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

Lighting Plan Legend	28(1)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(0)	SHEET NO. 28(15)
---	---------------------

PH PLAN

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

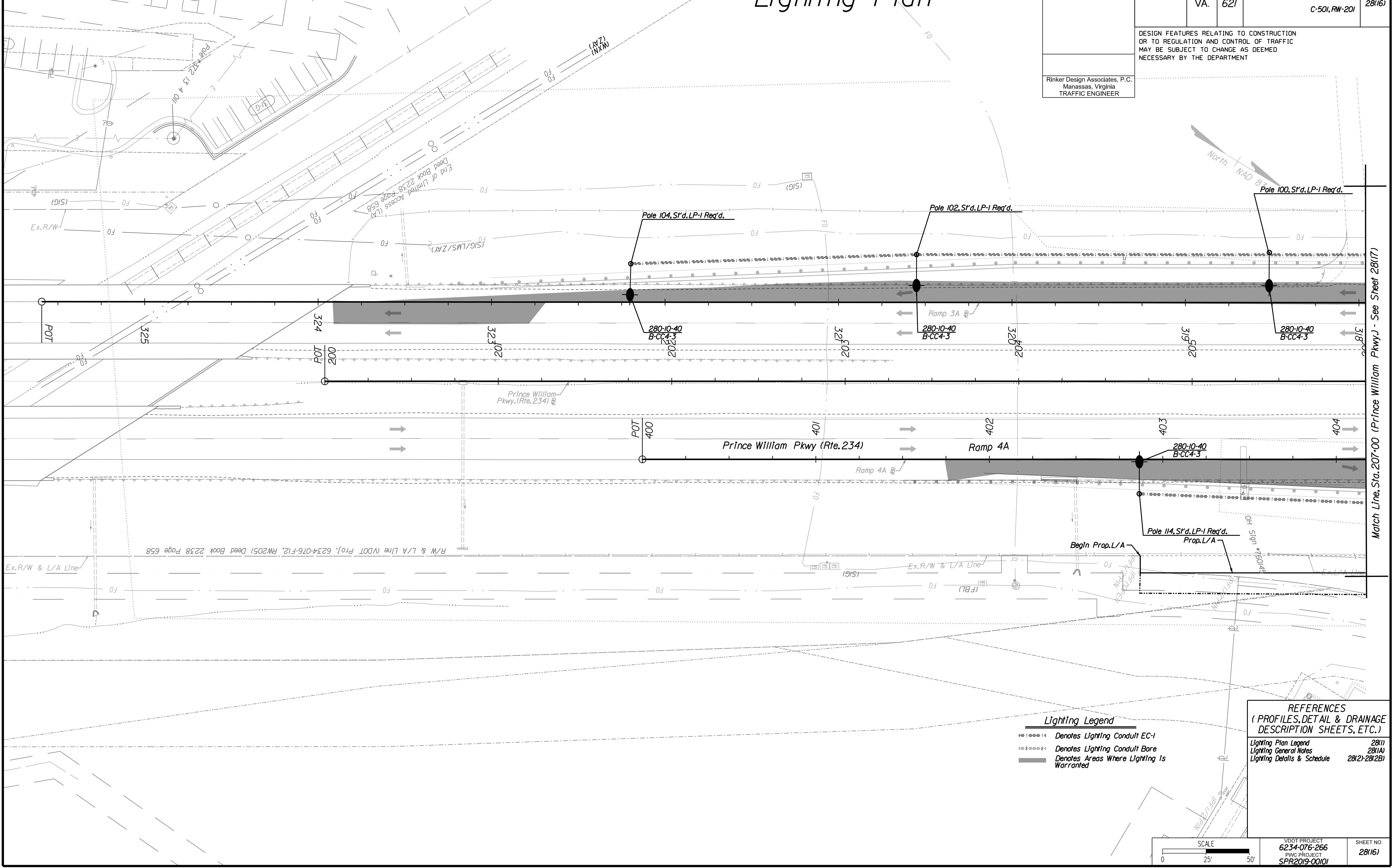
# Lighting Plan

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	28(16)

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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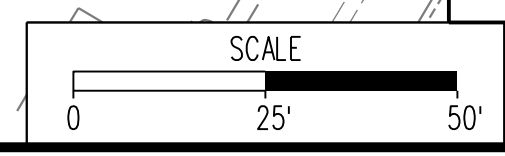


### Lighting Legend

- ==== Denotes Lighting Conduit EC-1
- ==== Denotes Lighting Conduit Bore
- ==== Denotes Areas Where Lighting is Warranted

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

Lighting Plan Legend	28(1)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)



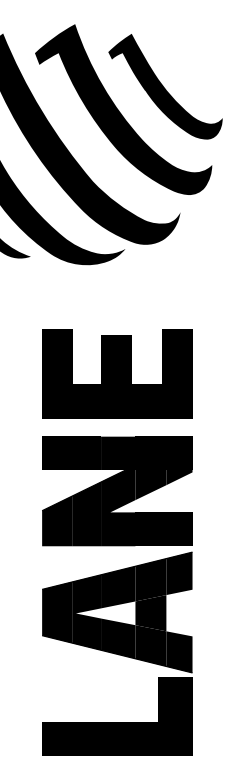
VDOT PROJECT 6234-076-266	SHEET NO. 28(16)
PWC PROJECT SPR2019-001(1)	

PH PLAN

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 Northern Virginia  
 Potomac, MD  
 Reston, VA  
 Springfield, VA  
 Stafford, VA  
 Sterling, VA  
 Warrenton, OR  
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Match Line, Sta. 207+00 (Prince William Pkwy.) - See Sheet 28(17)

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 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# Lighting Plan

REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	28(17)

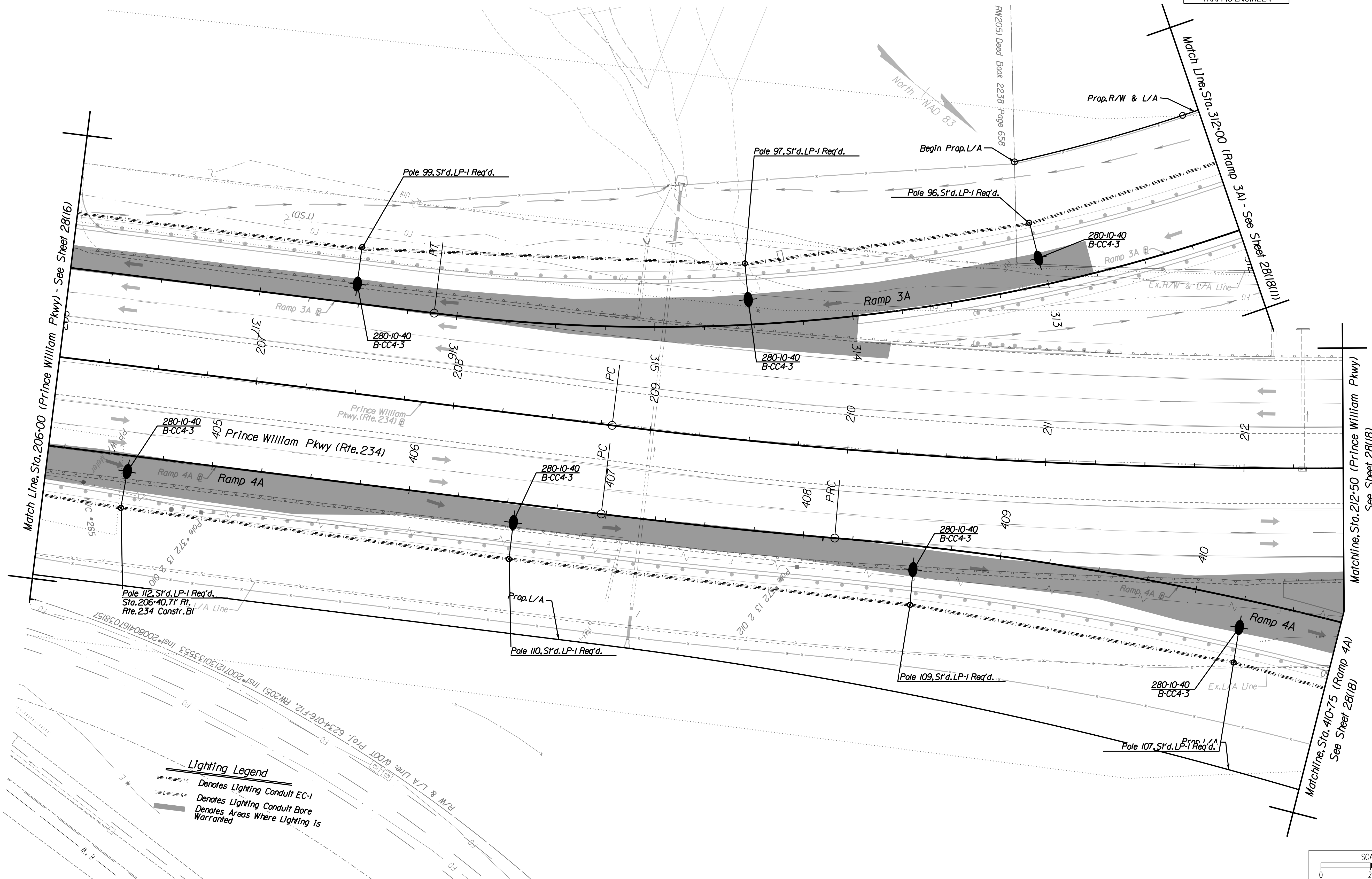
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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Design Associates, P.C.  
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 Transportation - Right of Way Services

**LANE**  
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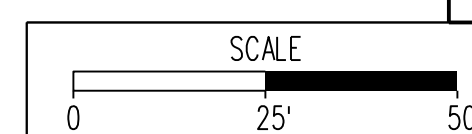


**Lighting Legend**

- Denotes Lighting Conduit EC-1
- Denotes Lighting Conduit Bare
- ▬ Denotes Areas Where Lighting is Warranted

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

Lighting Plan Legend	28(1)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)



VDOT PROJECT  
 6234-076-266  
 PWC PROJECT  
 SPR2019-00101

SHEET NO.  
 28(17)

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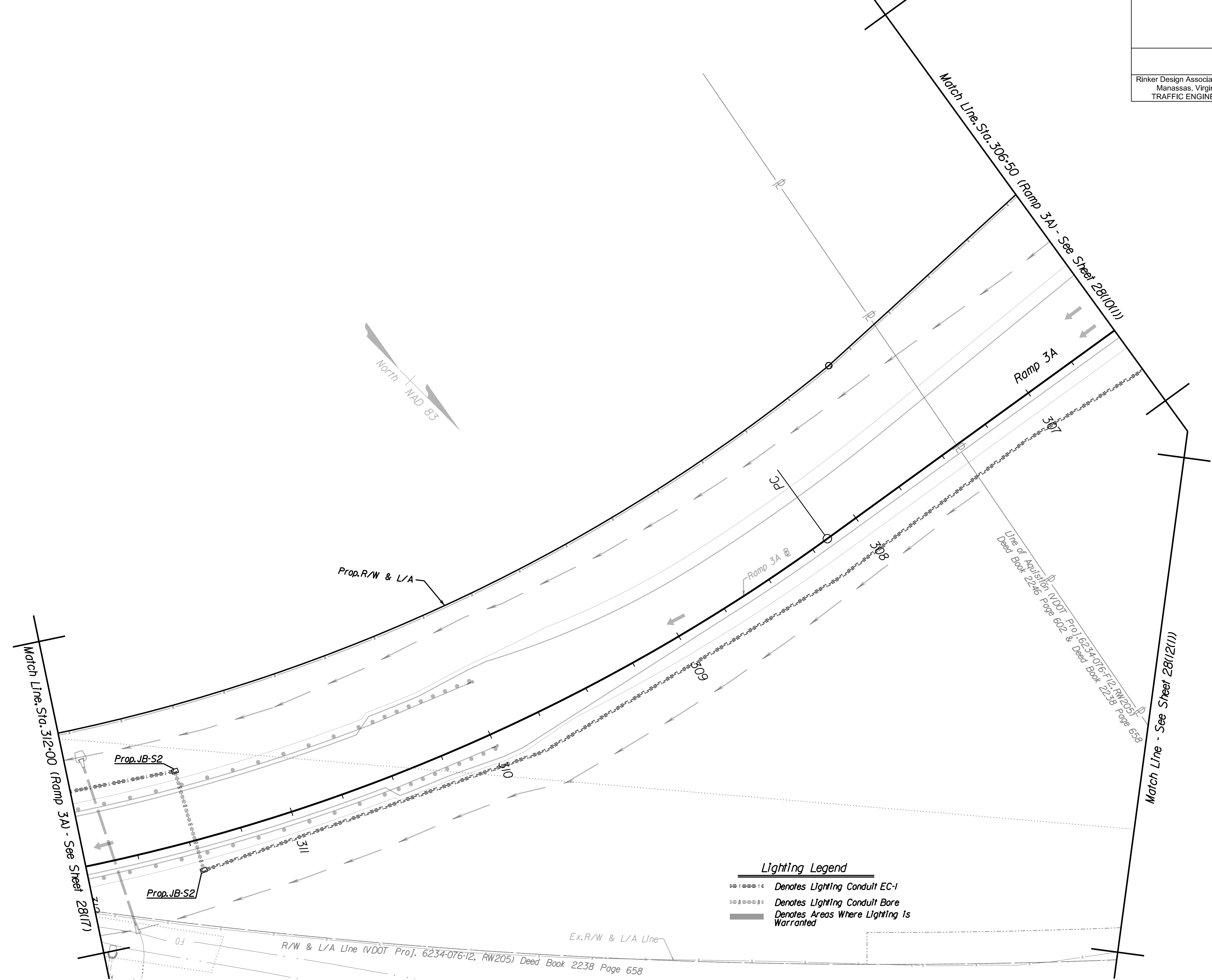
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	28(18(1))

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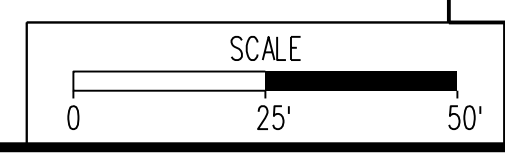
# Lighting Plan



**Lighting Legend**  
 - - - - - Denotes Lighting Conduit EC-1  
 - - - - - Denotes Lighting Conduit Bore  
 - - - - - Denotes Areas Where Lighting Is Warranted

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

Lighting Plan Legend	28(1)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)



VDOT PROJECT 6234-076-266	SHEET NO. 28(18(1))
PWC PROJECT SPR2019-001(1)	

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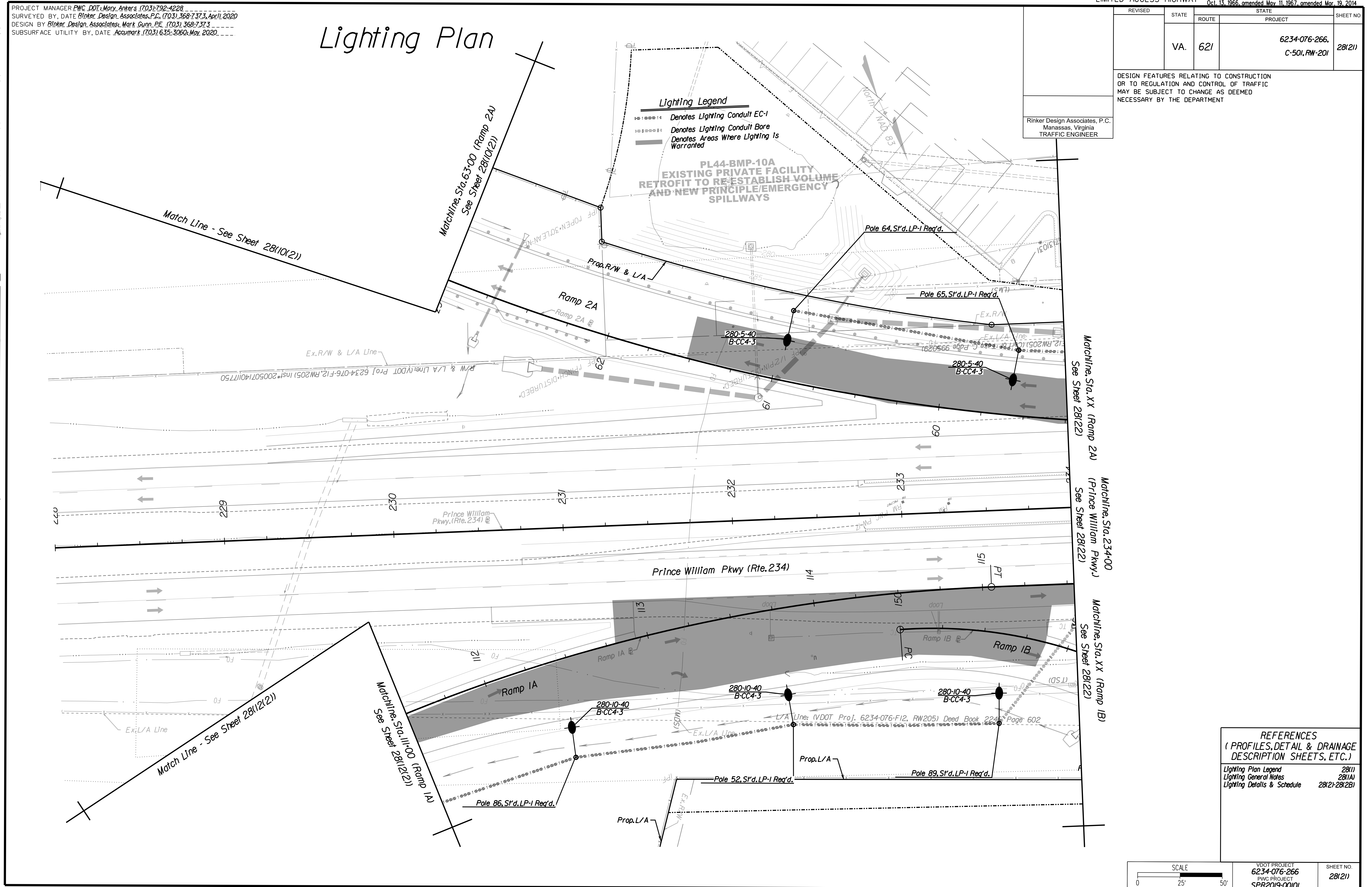
REVISED	STATE		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	621	6234-076-266, C-501, RW-201	28(21)

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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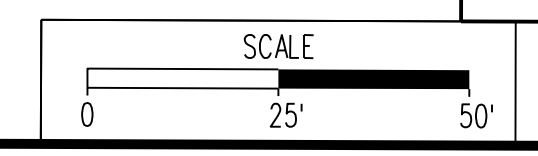
**Lighting Legend**  
 - - - - - Denotes Lighting Conduit EC-1  
 - - - - - Denotes Lighting Conduit Bare  
 - - - - - Denotes Areas Where Lighting Is Warranted

**PL44-BMP-10A  
 EXISTING PRIVATE FACILITY  
 RETROFIT TO RE-ESTABLISH VOLUME  
 AND NEW PRINCIPLE/EMERGENCY  
 SPILLWAYS**



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

Lighting Plan Legend	28(1)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)



VDOT PROJECT 6234-076-266	SHEET NO. 28(21)
PWC PROJECT SPR2019-00101	

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 Services: Civil Engineering, Surveying, Land Planning, Transportation, Environmental, Right of Way Services

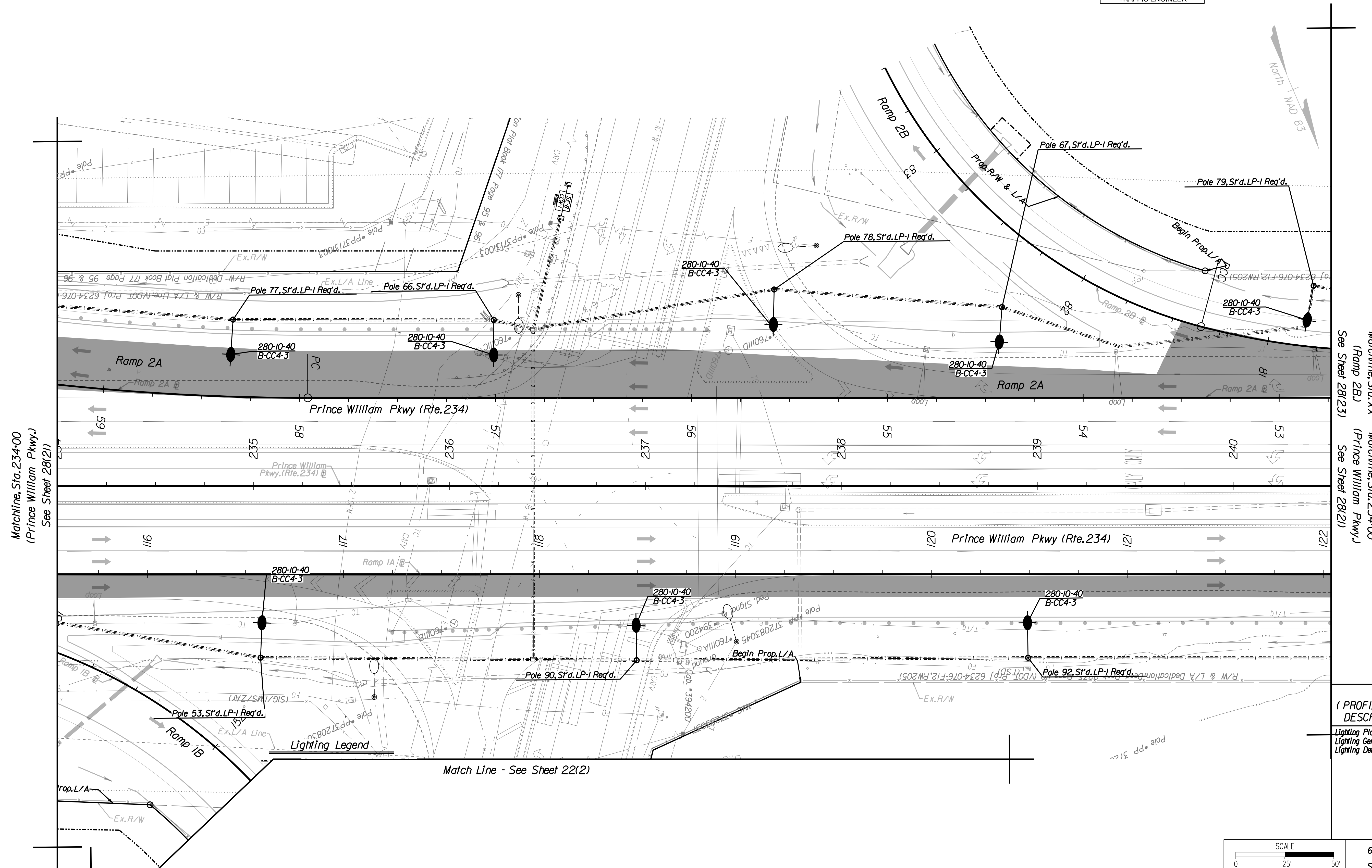
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# Lighting Plan

REVISED	STATE		STATE	SHEET NO.
	ROUTE	PROJECT		
	VA.	621	6234-076-266, C-501, RW-201	281(22)

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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 Manassas, Virginia  
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Matchline, Sta. 234+00  
 (Prince William Pkwy.)  
 See Sheet 28(21)

Matchline, Sta. XX  
 (Ramp 2B)  
 Matchline, Sta. 234+00  
 (Prince William Pkwy.)  
 See Sheet 28(23)

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

Lighting Plan Legend	2811
Lighting General Notes	281(A)
Lighting Details & Schedule	281(2)-281(2B)

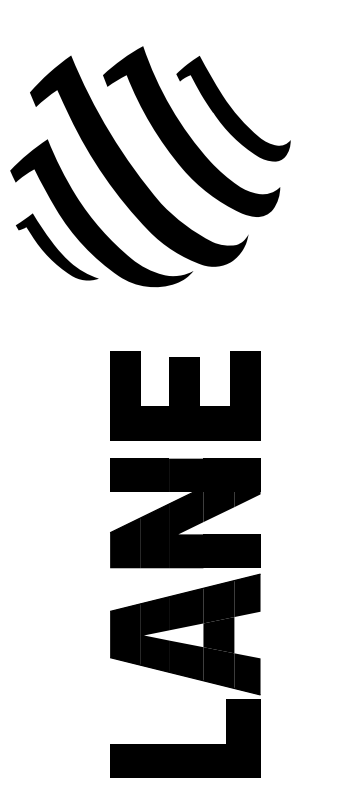
SCALE 0 25' 50'	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-001(01)	SHEET NO. 281(22)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

NOVA DISTRICT DESIGN UNIT



Rinker Design Associates, P.C.

Office Locations  
 Manassas, VA  
 Falls Church, VA  
 Fairfax, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Vienna, VA  
 Woodbridge, VA

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# Lighting Plan

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	281(23)

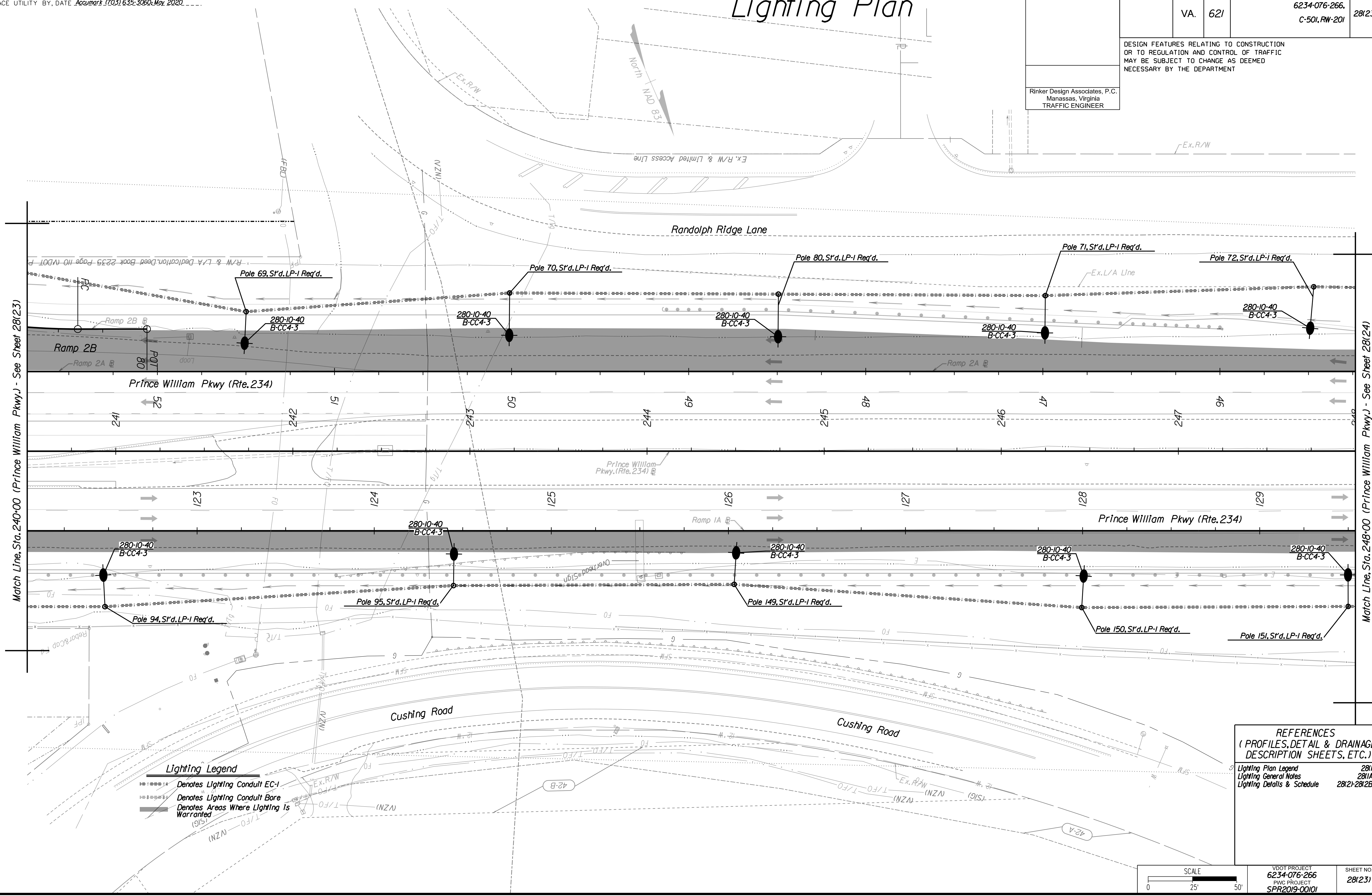
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER

Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services



NOVA DISTRICT DESIGN UNIT

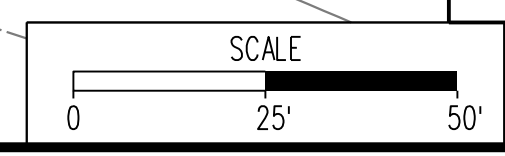


**Lighting Legend**

- Denotes Lighting Conduit EC-1
- Denotes Lighting Conduit Bore
- Denotes Areas Where Lighting Is Warranted

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

Lighting Plan Legend	2811
Lighting General Notes	2811A
Lighting Details & Schedule	2812-2812B



VDOT PROJECT 6234-076-266	SHEET NO. 281(23)
PWC PROJECT SPR2019-00101	

PH PLAN

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

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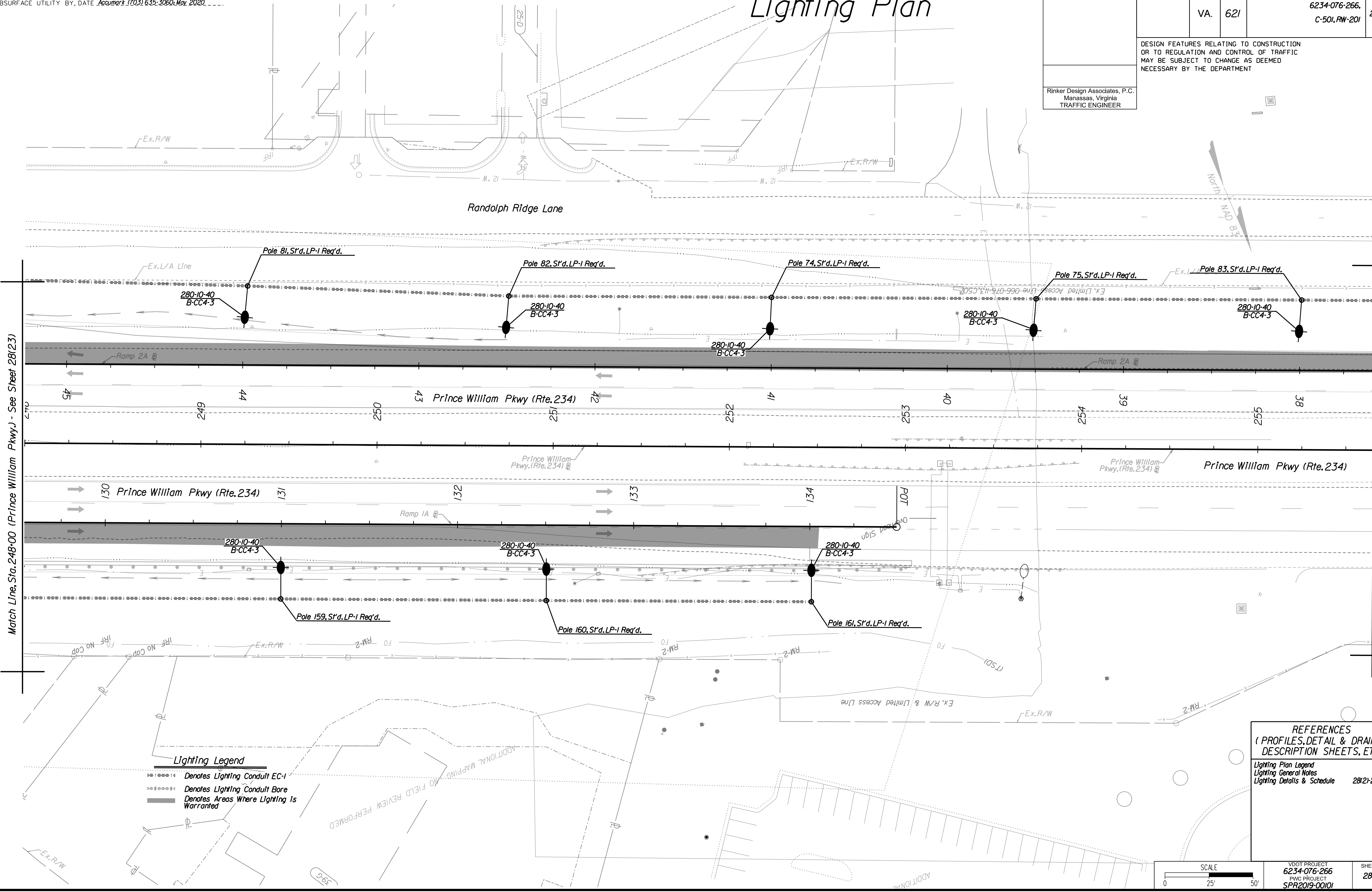
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accurmark (703) 635-3060, May 2020

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	28(24)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER

# Lighting Plan

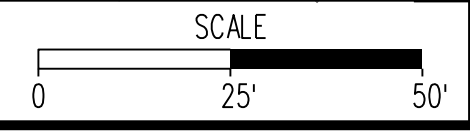


### Lighting Legend

- Denotes Lighting Conduit EC-1
- Denotes Lighting Conduit Bore
- Denotes Areas Where Lighting Is Warranted

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

Lighting Plan Legend	28(11)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 28(24)
--	---------------------

PH PLAN

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NOVA DISTRICT DESIGN UNIT



Office Locations

Manassas, VA  
 Falls Church, VA  
 Fairfax, VA  
 Herndon, VA  
 Reston, VA  
 Springfield, VA  
 Stafford, VA  
 Warrenton, OR  
 Washington, DC  
 York, PA

Match Line, Sta. 255+66 (Prince William Pkwy.) - See Sheet 28(25)

Match Line, Sta. 248+00 (Prince William Pkwy.) - See Sheet 28(23)

# Lighting Plan

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn, PE (703) 368-7373  
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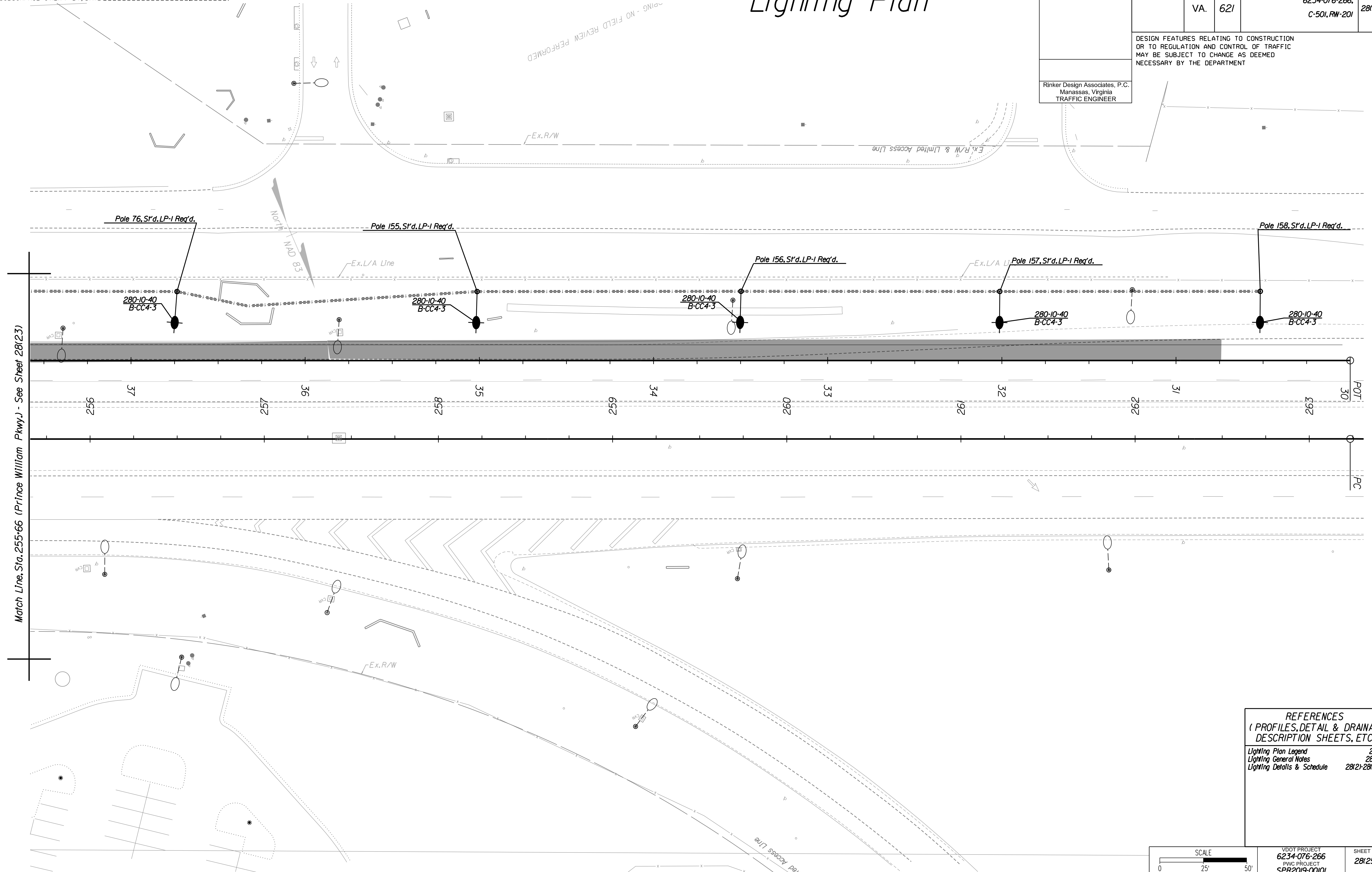
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	28(25)

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Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER

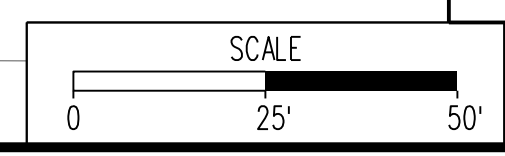
Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Right of Way Services

LANE  
 NOVA DISTRICT DESIGN UNIT



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

Lighting Plan Legend	28(1)
Lighting General Notes	28(1A)
Lighting Details & Schedule	28(2)-28(2B)



VDOT PROJECT 6234-076-266	SHEET NO. 28(25)
PWC PROJECT SPR2019-001(1)	

PH PLAN

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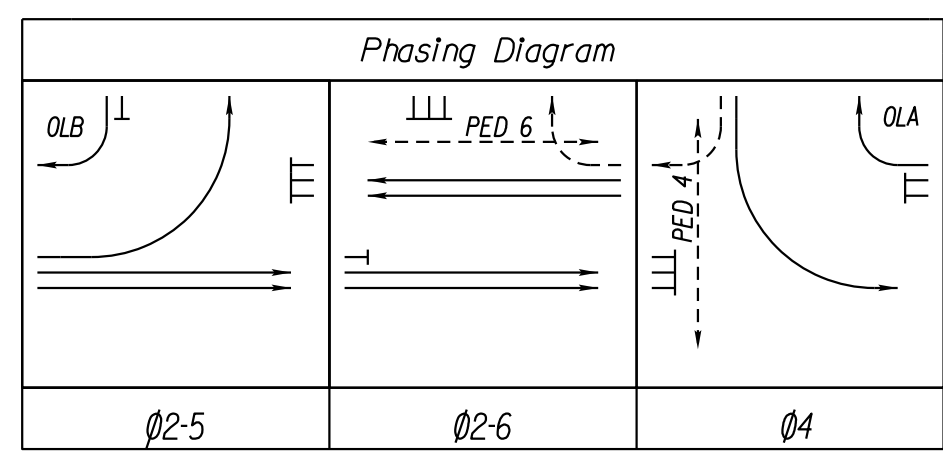
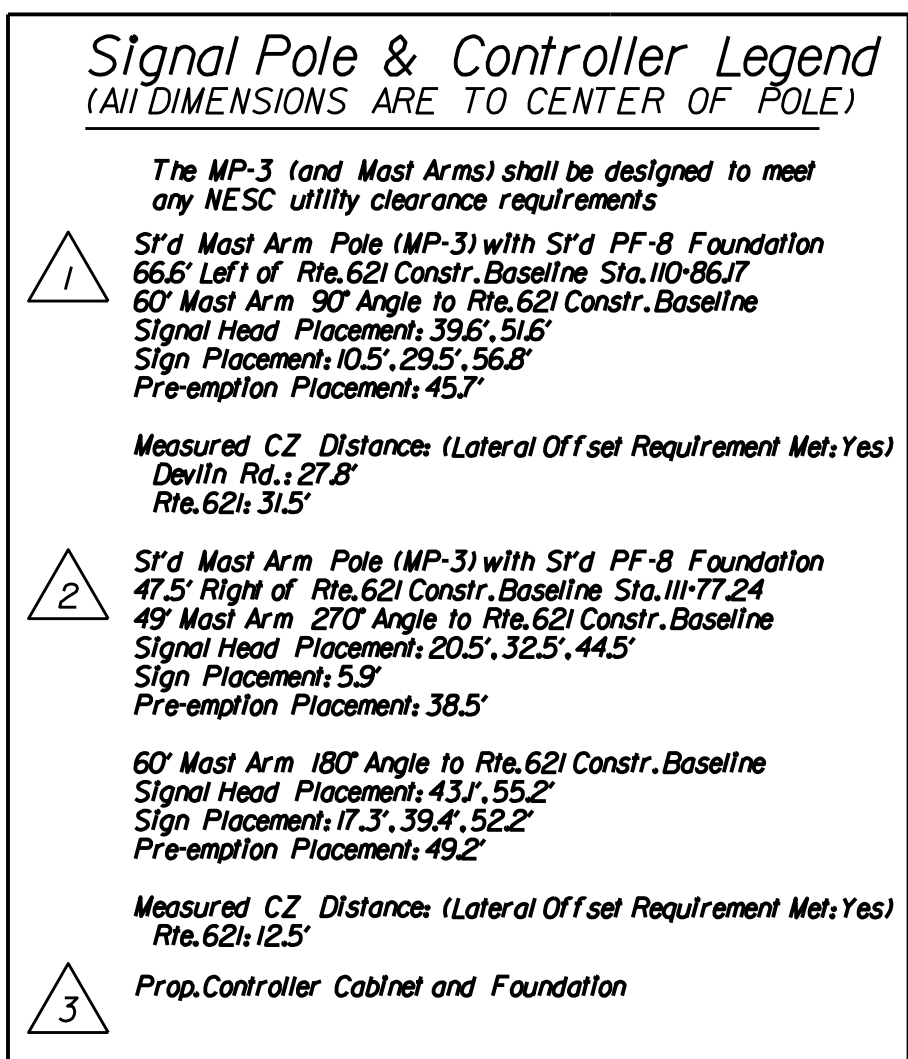
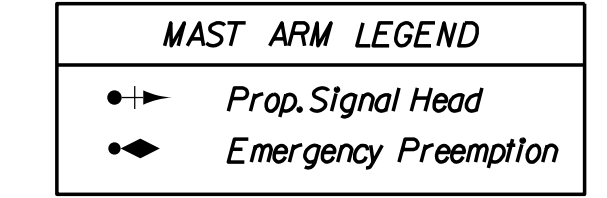
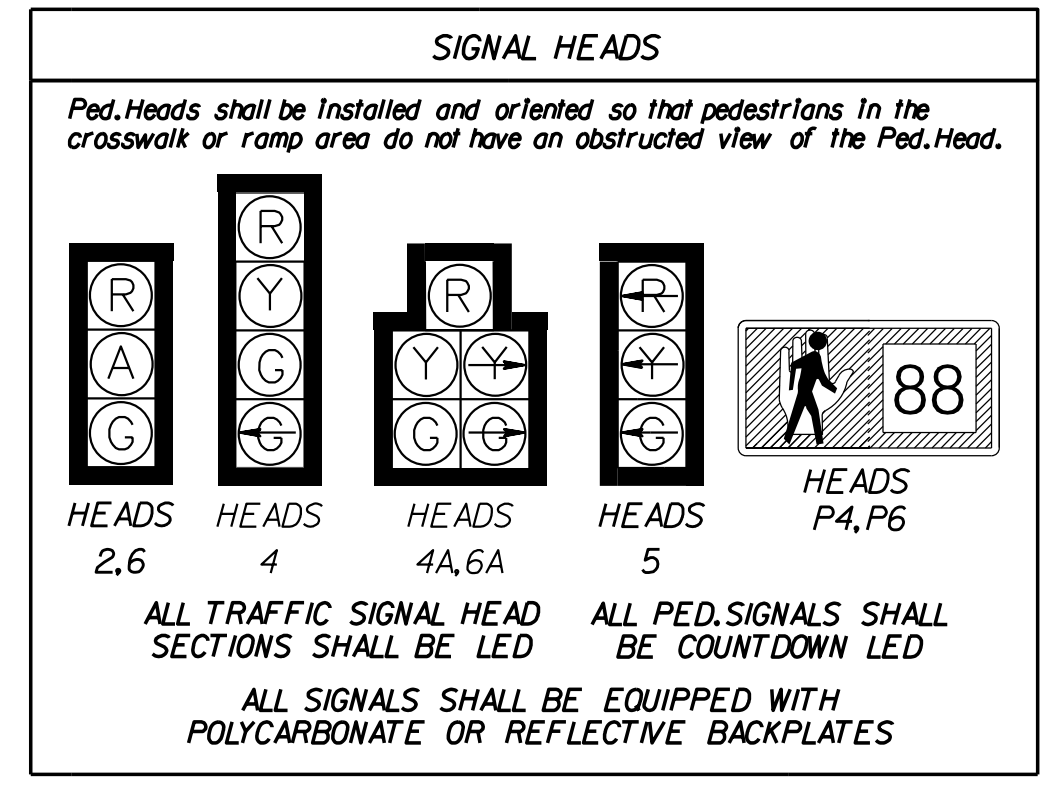
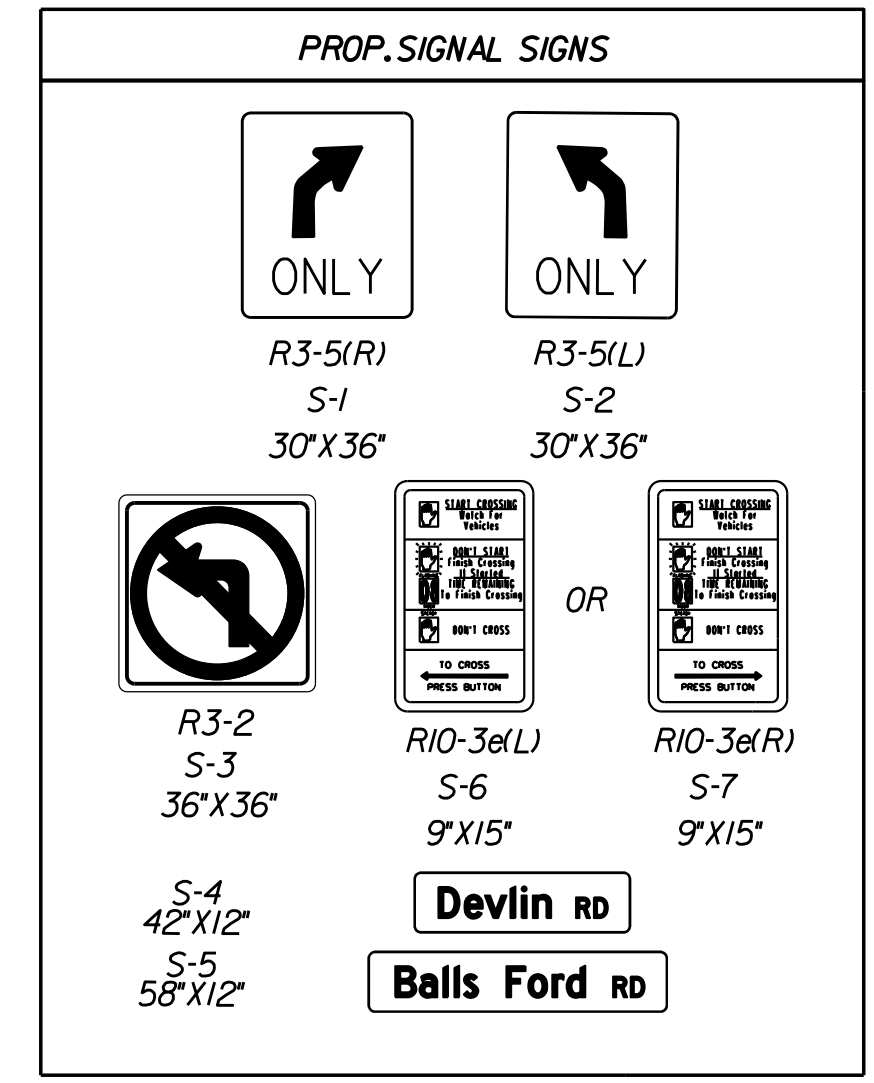
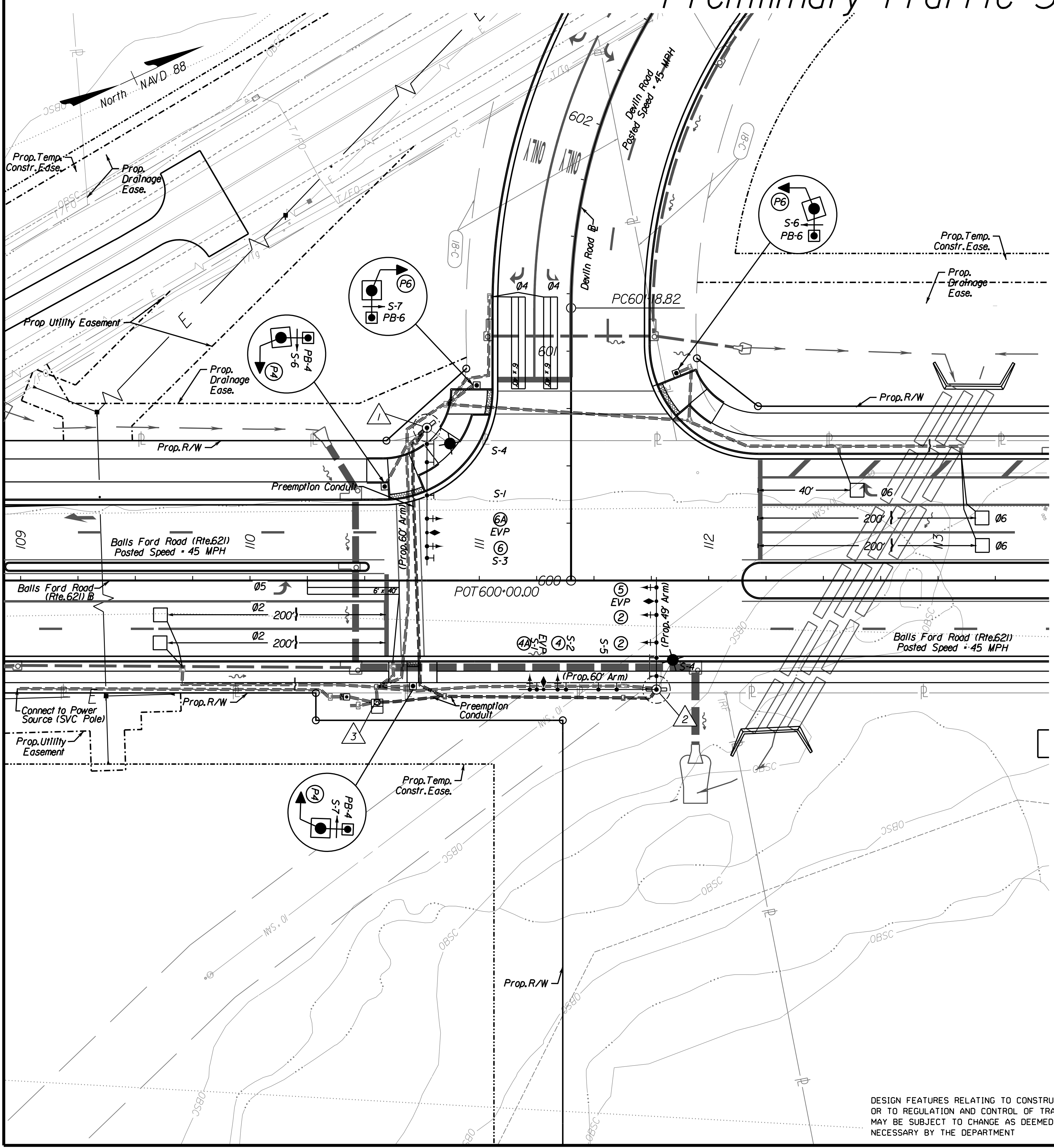
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
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 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# Preliminary Traffic Signal Plan

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	29(1)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER



NOT PROVIDED WITH THIS SUBMISSION

- General Notes for Signals
- Cable and Conduit Runs
- Color Sequence Chart
- Initial Timing Chart
- Non-Standard Sign Details
- POWER/COMM Connection (to be coordinated at UF1)

VIRGINIA DEPARTMENT OF TRANSPORTATION  
 REVIEW OF WORKING DRAWINGS

WORKING DRAWINGS HAVE BEEN REVIEWED IN ACCORDANCE WITH SECTION 105.2 OF THE VDOT ROAD & BRIDGE SPECIFICATIONS WITH THE FOLLOWING COMMENT:

REJECTED, CORRECT AND RESUBMIT

ACCEPTED FOR INSTALLATION Subject To:

- Obtaining VDOT Land Use Permit Prior To Installation.
- Review and Approval of All Catalog Cuts, Shop Drawings, Pole Calculations, Soil Tests and Foundation Designs Prior To Construction.

REVIEWED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 Plan acceptance is valid for one year from date above to obtain VDOT Permit.

I-621 PRINCE WILLIAM PKWY INTERCHANGE  
 AT REALIGNED BALLS FORD RD  
 Deviln Rd. and Balls Ford Rd.  
 PROPOSED SIGNAL INSTALLATION PLAN  
 Prince William County, Virginia

DATE: April 2020

SCALE: 0 25' 50'

PROJECT: 6234-076-266  
 SHEET NO.: 29(1)

PH PLAN

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NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker Design Associates, P.C.  
 Office Locations: Manassas, VA; Fairfax, VA; Falls Church, VA; Herndon, VA; Reston, VA; Springfield, VA; Washington, DC



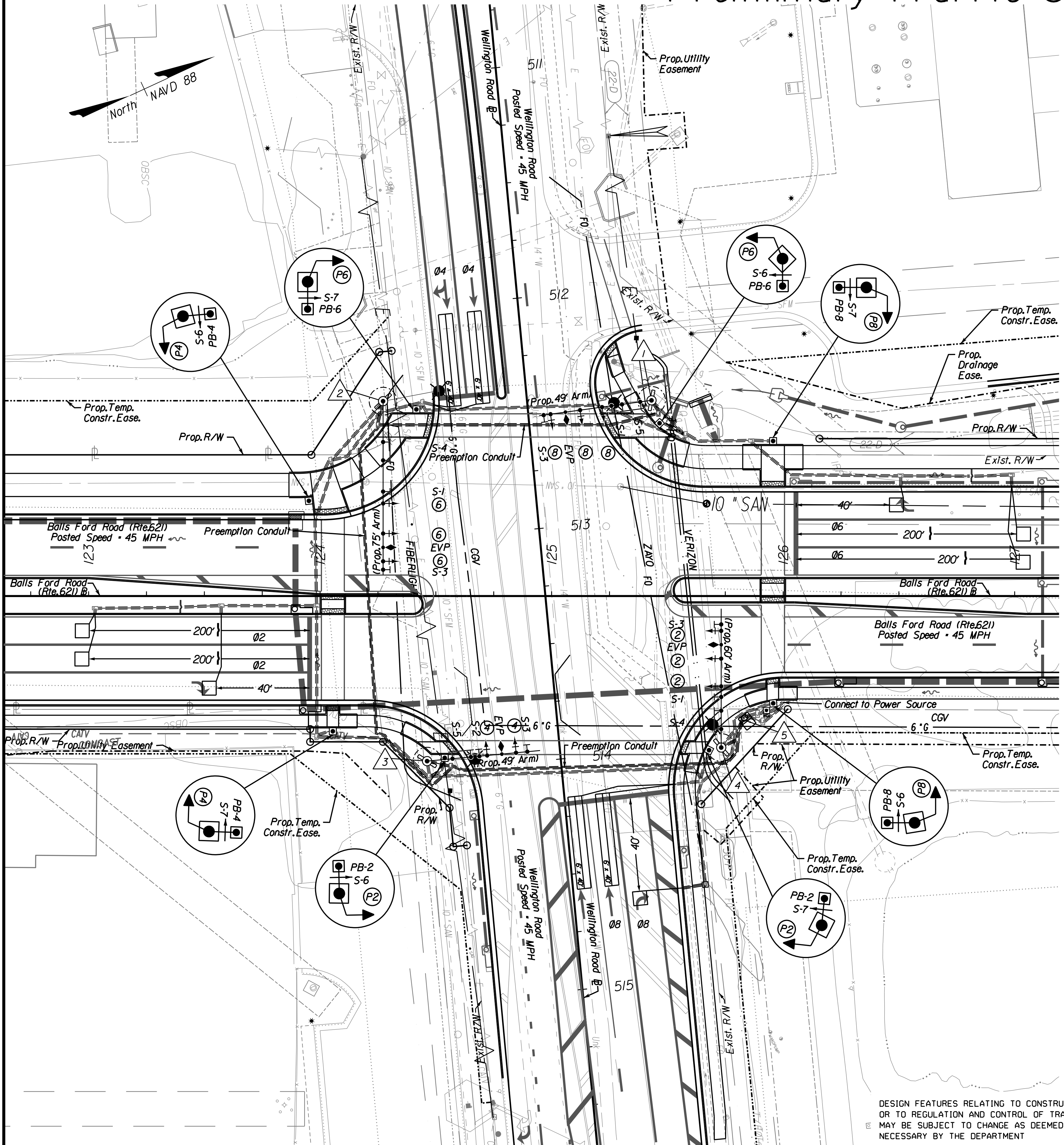
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
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 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

# Preliminary Traffic Signal Plan

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	29(2)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER



### PROP. SIGNAL SIGNS

R3-5(R) S-1 30'X36'	R3-6R S-2 30'X36'
R3-2 S-3 36'X36'	R10-3e(L) S-6 9'X15'
S-4 56'X12'	S-7 9'X15'
S-5 58'X12'	

OR

### SIGNAL HEADS

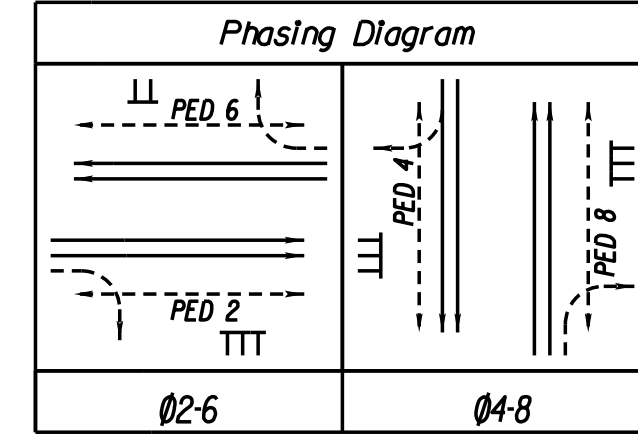
Ped. Heads shall be installed and oriented so that pedestrians in the crosswalk or ramp area do not have an obstructed view of the Ped. Head.

HEADS 2.4, 6.8	HEADS 2.4, 6.8

ALL TRAFFIC SIGNAL HEAD SECTIONS SHALL BE LED  
 ALL PED. SIGNALS SHALL BE COUNTDOWN LED  
 ALL SIGNALS SHALL BE EQUIPPED WITH POLYCARBONATE OR REFLECTIVE BACKPLATES

### MAST ARM LEGEND

	Prop. Signal Head
	Emergency Preemption



### Signal Pole & Controller Legend

(ALL DIMENSIONS ARE TO CENTER OF POLE)

The MP-3 (and Mast Arms) shall be designed to meet any NESC utility clearance requirements

- S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
 84.5' Left of Rte. 621 Constr. Baseline Sta. 125+43.15  
 49' Mast Arm 77' Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 25.6', 31.1', 44'  
 Sign Placement: 49', 17.5', 47'  
 Pre-emption Placement: 37.5'  
 Measured CZ Distance: (Lateral Offset Requirement Met: Yes)  
 Wellington Rd.: 22.5'  
 Rte. 621: 37.5'
- S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
 84.2' Left of Rte. 621 Constr. Baseline Sta. 124+27.20  
 75' Mast Arm 90' Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 44.8', 57.8', 69'  
 Sign Placement: 17.6', 39.1', 72.8'  
 Pre-emption Placement: 63.2'  
 Measured CZ Distance: (Lateral Offset Requirement Met: Yes)  
 Wellington Rd.: 22.2'  
 Rte. 621: 49.2'
- S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
 71.4' Right of Rte. 621 Constr. Baseline Sta. 124+46.22  
 49' Mast Arm 5' Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 25.6', 38.6'  
 Sign Placement: 11.227', 43.5'  
 Pre-emption Placement: 32.4'  
 Measured CZ Distance: (Lateral Offset Requirement Met: Yes)  
 Wellington Rd.: 20.3'  
 Rte. 621: 24.5'
- S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
 65.5' Right of Rte. 621 Constr. Baseline Sta. 125+73.26  
 60' Mast Arm 270' Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 28.4', 38.4', 50.4'  
 Sign Placement: 8', 21.8', 53.2'  
 Pre-emption Placement: 44.4'  
 Measured CZ Distance: (Lateral Offset Requirement Met: Yes)  
 Wellington Rd.: 19.9'  
 Rte. 621: 30.5'
- Prop. Controller Cabinet and Foundation

NOT PROVIDED WITH THIS SUBMISSION

- General Notes for Signals
- Cable and Conduit Runs
- Color Sequence Chart
- Initial Timing Chart
- Non-Standard Sign Details
- POWER/COMM Connection (to be coordinated at UFI)

VIRGINIA DEPARTMENT OF TRANSPORTATION  
 REVIEW OF WORKING DRAWINGS

WORKING DRAWINGS HAVE BEEN REVIEWED IN ACCORDANCE WITH SECTION 105.2 OF THE VDOT ROAD & BRIDGE SPECIFICATIONS WITH THE FOLLOWING COMMENT:

REJECTED, CORRECT AND RESUBMIT

ACCEPTED FOR INSTALLATION Subject To:

- Obtaining VDOT Land Use Permit Prior To Installation.
- Review and Approval of All Catalog Cuts, Shop Drawings, Pole Calculations, Soil Tests and Foundation Designs Prior To Construction.

REVIEWED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 Plan acceptance is valid for one year from date above to obtain VDOT Permit.

I-621 PRINCE WILLIAM PKWY INTERCHANGE  
 AT REALIGNED BALLS FORD RD  
 Wellington Rd. and Balls Ford Rd.  
 PROPOSED SIGNAL INSTALLATION PLAN  
 Prince William County, Virginia

DATE: April 2020

PROJECT: 6234-076-266  
 SHEET NO.: 29(2)

SCALE: 0 25' 50'

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

PH PLAN

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NOVA DISTRICT DESIGN UNIT  
**LANE**  
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 Office Locations: Manassas, VA; Fairfax, VA; Falls Church, VA; Herndon, VA; Reston, VA; Tyngsboro, VA; Warrenton, OR; Washington, DC; York, PA

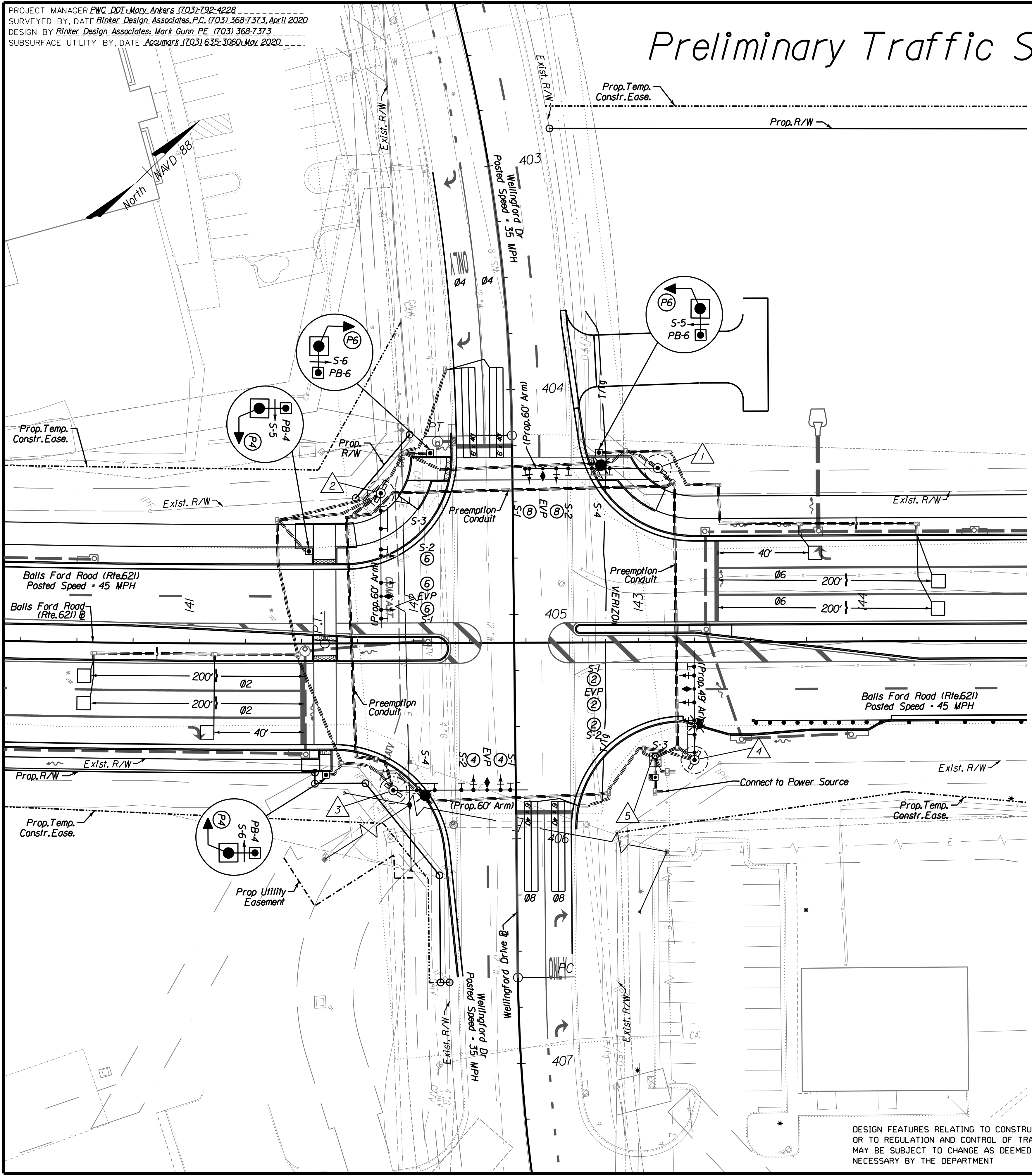
PROJECT MANAGER PWC DOT: Mary Anters (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060, May 2020

# Preliminary Traffic Signal Plan

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	29(3)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER



### Signal Pole & Controller Legend (All DIMENSIONS ARE TO CENTER OF POLE)

The MP-3 (and Mast Arms) shall be designed to meet any NESC utility clearance requirements

1. S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
 77.5' Left of Rte. 621 Constr. Baseline Sta. 143+08.93  
 60' Mast Arm 180° Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 45.2', 57.2'  
 Sign Placement: 21.4', 39.7', 59'  
 Pre-emption Placement: 51.2'

Measured CZ Distances (Lateral Off set Requirement Met: Yes)  
 Wellingsford Dr.: 28.5'  
 Rte. 621: 30'

2. S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
 66.7' Left of Rte. 621 Constr. Baseline Sta. 141+85.31  
 60' Mast Arm 90° Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 27.9', 39.9', 51.9'  
 Sign Placement: 7.9', 25', 55.8'  
 Pre-emption Placement: 45.9'

Measured CZ Distances (Lateral Off set Requirement Met: Yes)  
 Wellingsford Dr.: 31.8'  
 Rte. 621: 31.9'

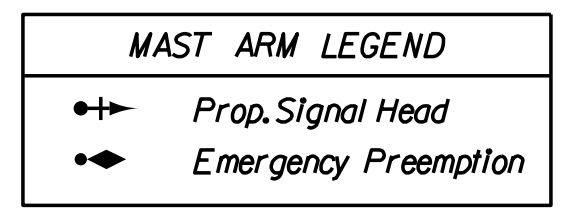
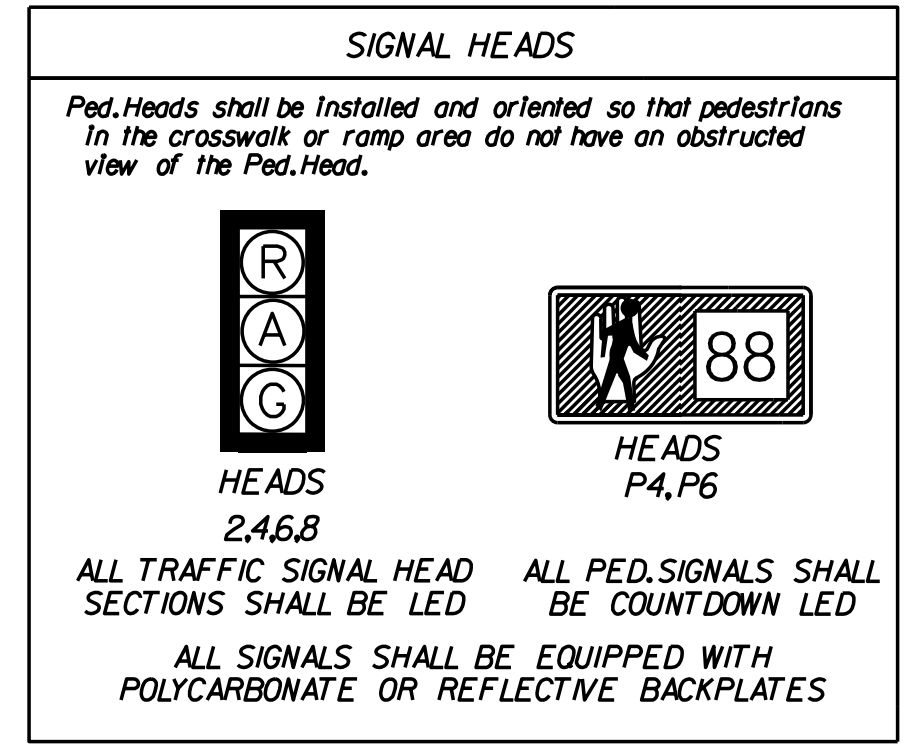
3. S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
 65.5' Right of Rte. 621 Constr. Baseline Sta. 141+90.94  
 60' Mast Arm 0° Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 45.6', 37.7'  
 Sign Placement: 10.4', 30.3', 52'  
 Pre-emption Placement: 41.7'

Measured CZ Distances (Lateral Off set Requirement Met: Yes)  
 Wellingsford Dr.: 28'  
 Rte. 621: 18.4'

4. S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
 52.5' Right of Rte. 621 Constr. Baseline Sta. 143+24.86  
 49' Mast Arm 270° Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 17.6', 25.6', 37.6'  
 Sign Placement: 3.4', 14.9', 41.6'  
 Pre-emption Placement: 31.6'

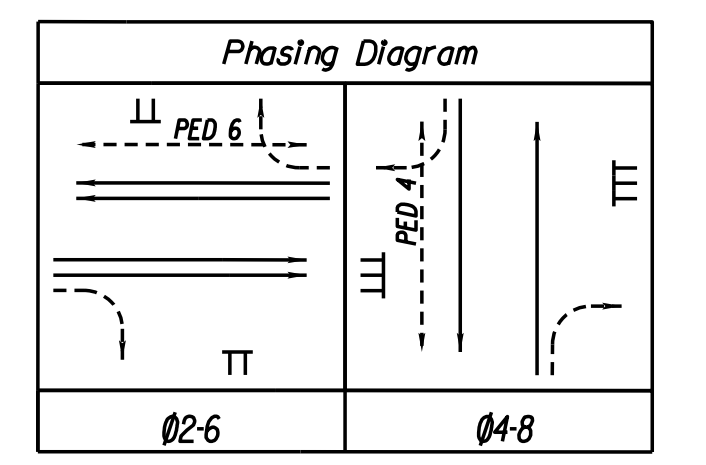
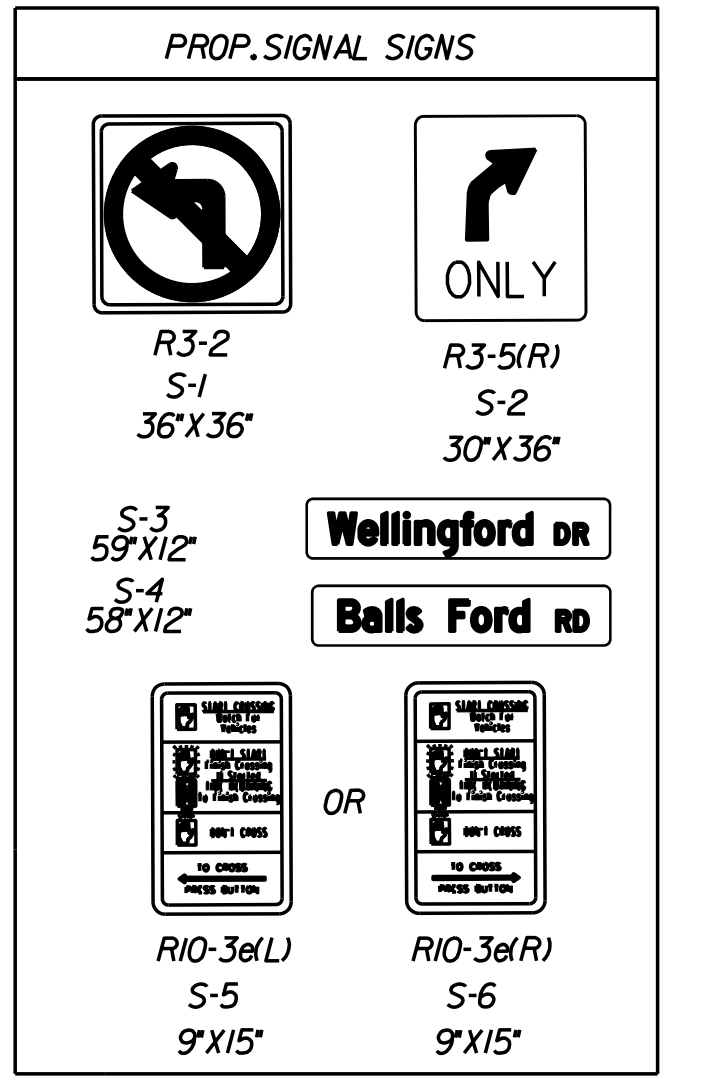
Measured CZ Distances (Lateral Off set Requirement Met: Yes)  
 Wellingsford Dr.: 17'  
 Rte. 621: 52.9'

5. Prop. Controller Cabinet and Foundation



### NOT PROVIDED WITH THIS SUBMISSION

- General Notes for Signals
- Cable and Conduit Runs
- Color Sequence Chart
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- Non-Standard Sign Details
- POWER/COMM Connection (to be coordinated at UF1)



VIRGINIA DEPARTMENT OF TRANSPORTATION  
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I-621 PRINCE WILLIAM PKWY INTERCHANGE  
 AT REALIGNED BALLS FORD RD  
 Wellingsford Dr. and Balls Ford Rd.  
 PROPOSED SIGNAL INSTALLATION PLAN  
 Prince William County, Virginia

DATE: April 2020

PROJECT: 6234-076-266

SHEET NO.: 29(3)

SCALE: 0 25' 50'

PH PLAN

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

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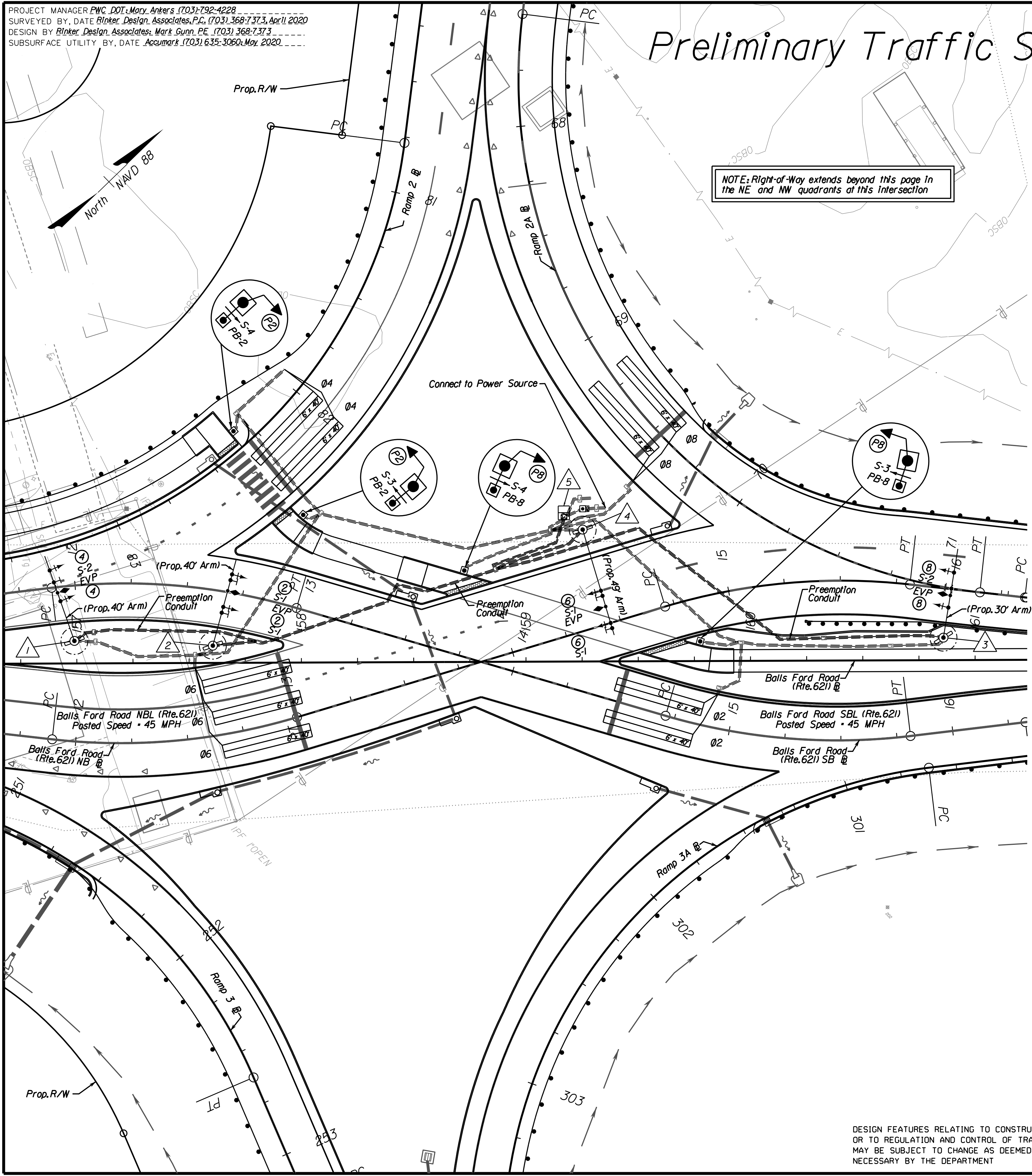
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# Preliminary Traffic Signal Plan

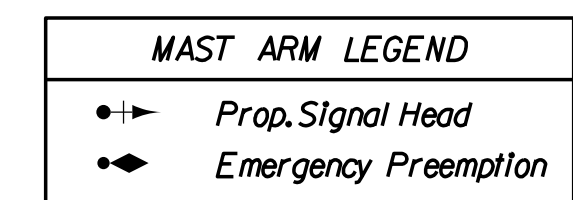
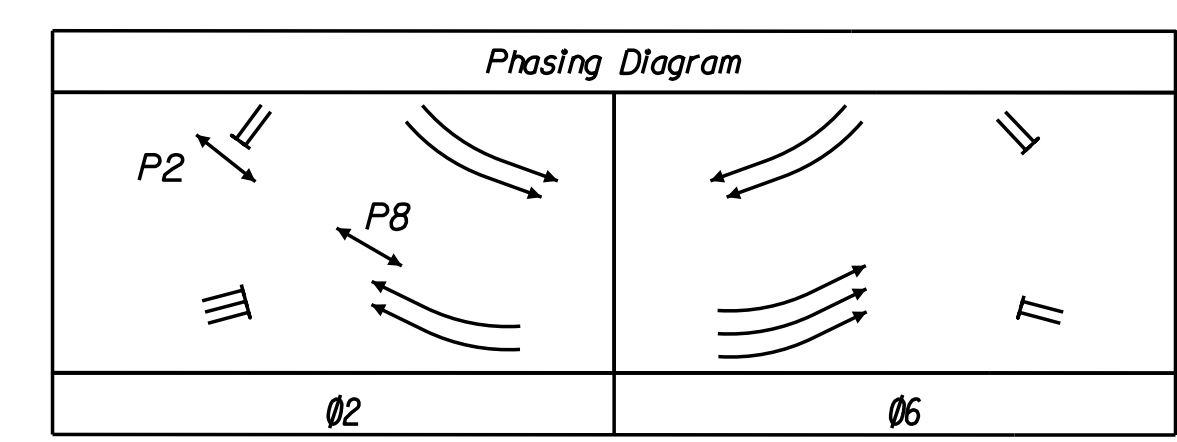
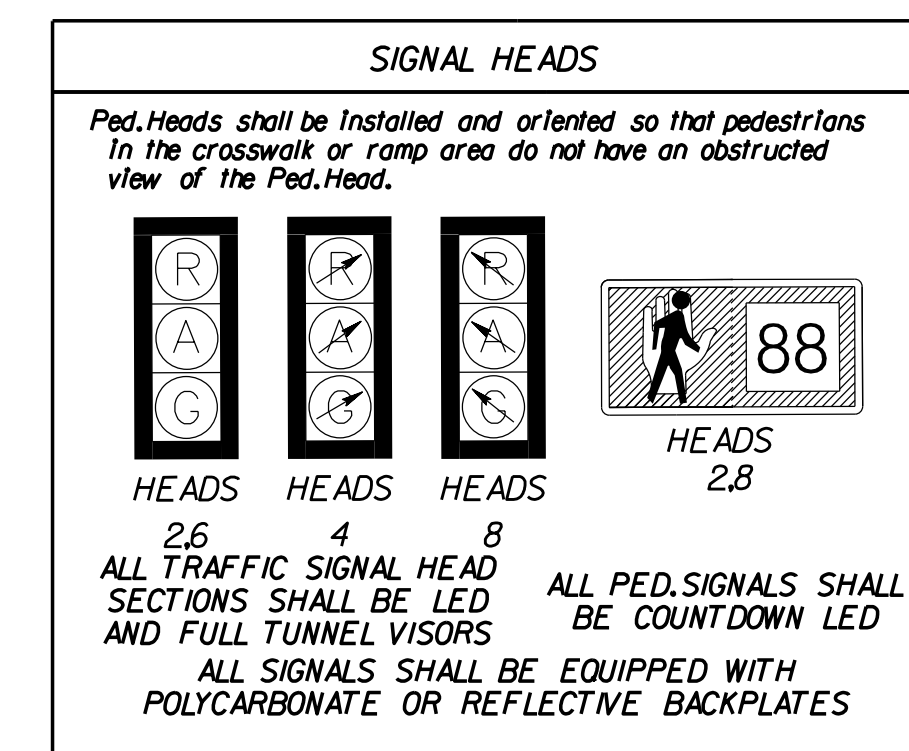
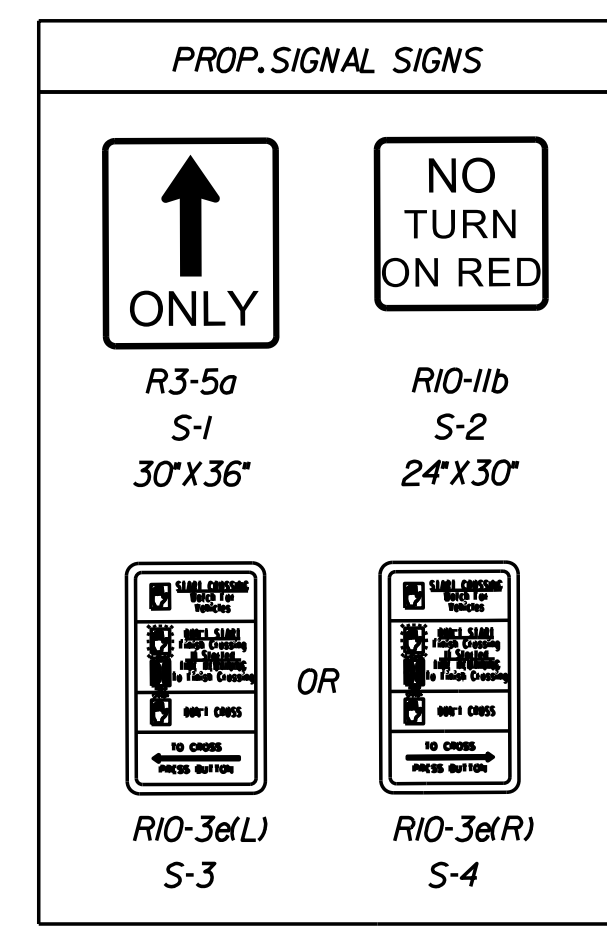
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	29(4)

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Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER



NOTE: Right-of-Way extends beyond this page in the NE and NW quadrants at this intersection



**NOT PROVIDED WITH THIS SUBMISSION**

- General Notes for Signals
- Cable and Conduit Runs
- Color Sequence Chart
- Initial Timing Chart
- Non-Standard Sign Details
- POWER/COMM Connection (to be coordinated at UFI)

**Signal Pole & Controller Legend**  
 (ALL DIMENSIONS ARE TO CENTER OF POLE)

- The MP-3 (and Mast Arms) shall be designed to meet any NESCC utility clearance requirements  
 S1'd Mast Arm Pole (MP-3) with S1'd PF-8 Foundation 9.5' Left of Rte. 621 Constr. Baseline Sta. 156+98.91  
 40' Mast Arm 109° Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 18.7', 33.3'  
 Sign Placement: 27.5'  
 Pre-emption Placement: 22.6'  
 Measured CZ Distance: (Lateral Offset Requirement Met: Yes)  
 Rte. 621 SBL: 8.7'  
 Rte. 621 NBL: 14'
- S1'd Mast Arm Pole (MP-3) with S1'd PF-8 Foundation 10' Left of Rte. 621 Constr. Baseline Sta. 157+60.56'  
 40' Mast Arm 7.4° Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 17.9', 32.9'  
 Sign Placement: 15.2', 30.2'  
 Pre-emption Placement: 25.3'  
 Measured CZ Distance: (Lateral Offset Requirement Met: Yes)  
 Rte. 621 SBL: 8.6'  
 Rte. 621 NBL: 8.8'
- S1'd Mast Arm Pole (MP-3) with S1'd PF-8 Foundation 10.7' Left of Rte. 621 Constr. Baseline Sta. 160+85.92  
 30' Mast Arm 80° Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 13.6', 29.3'  
 Sign Placement: 21.1'  
 Pre-emption Placement: 19'  
 Measured CZ Distance: (Lateral Offset Requirement Met: Yes)  
 Rte. 621 SBL: 25.8'  
 Rte. 621 NBL: 5.9'
- S1'd Mast Arm Pole (MP-3) with S1'd PF-8 Foundation 58.7' Left of Rte. 621 Constr. Baseline Sta. 159+25.25  
 49' Mast Arm 106° Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 28.4', 43.4'  
 Sign Placement: 30.8', 45.8'  
 Pre-emption Placement: 35.8'  
 Measured CZ Distances: (Lateral Offset Requirement Met: Yes)  
 Rte. 621 NBL: 11.4'  
 Ramp 2A: 30.4'
- Prop. Controller Cabinet and Foundation

VIRGINIA DEPARTMENT OF TRANSPORTATION  
 REVIEW OF WORKING DRAWINGS  
 WORKING DRAWINGS HAVE BEEN REVIEWED IN ACCORDANCE WITH SECTION 105.2 OF THE VDOT ROAD & BRIDGE SPECIFICATIONS WITH THE FOLLOWING COMMENT:

- REJECTED, CORRECT AND RESUBMIT
- ACCEPTED FOR INSTALLATION Subject To:
  - Obtaining VDOT Land Use Permit Prior To Installation.
  - Review and Approval of All Catalog Cuts, Shop Drawings, Pole Calculations, Soil Tests and Foundation Designs Prior To Construction.

REVIEWED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 Plan acceptance is valid for one year from date above to obtain VDOT Permit.

I-621 PRINCE WILLIAM PKWY INTERCHANGE  
 AT REALIGNED BALLS FORD RD  
 EDIT  
 PROPOSED SIGNAL INSTALLATION PLAN  
 Prince William County, Virginia

DATE: April 2020

SCALE 0 25' 50'	PROJECT 6234-076-266	SHEET NO. 29(4)
--------------------	-------------------------	--------------------

PH PLAN

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

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

Rinker Design Associates, P.C.  
 Civil Engineering - Surveying - Land Planning  
 Transportation - Planning - Right of Way Services

LANE  
 NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
 SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
 DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
 SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

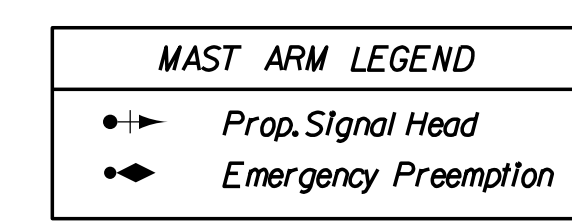
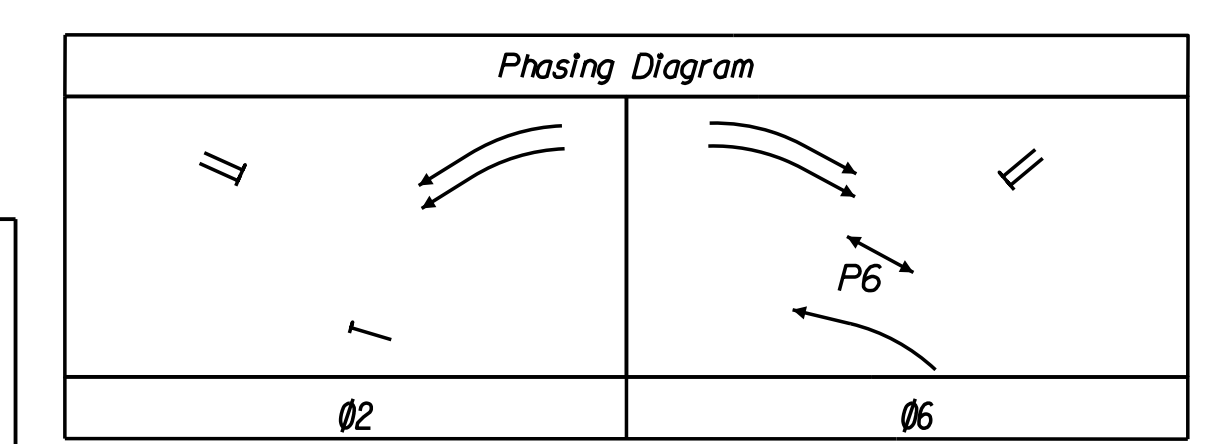
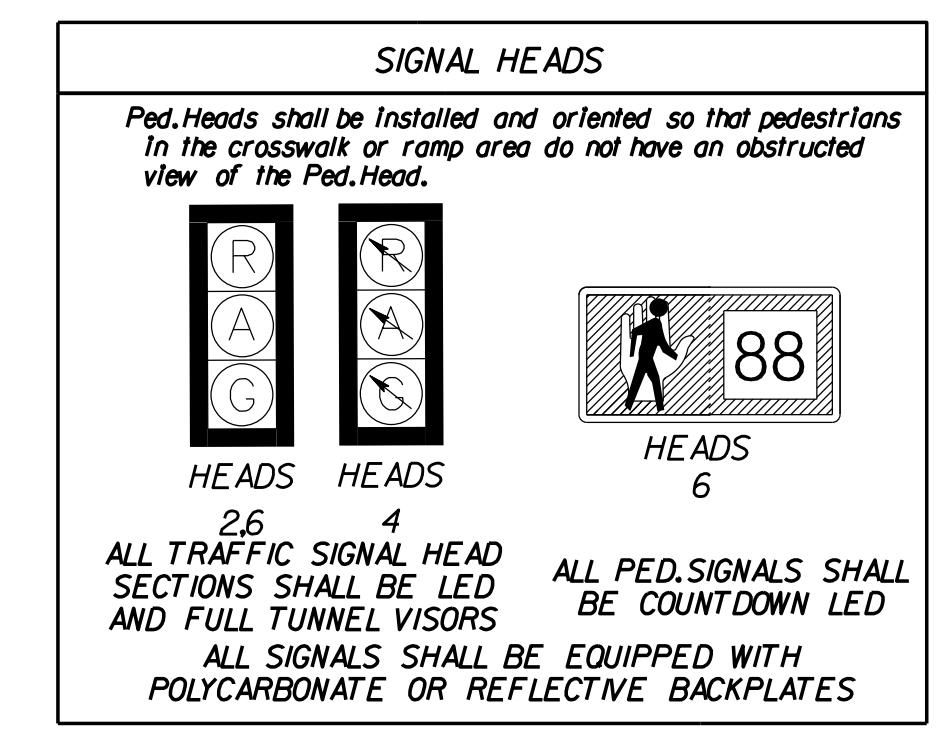
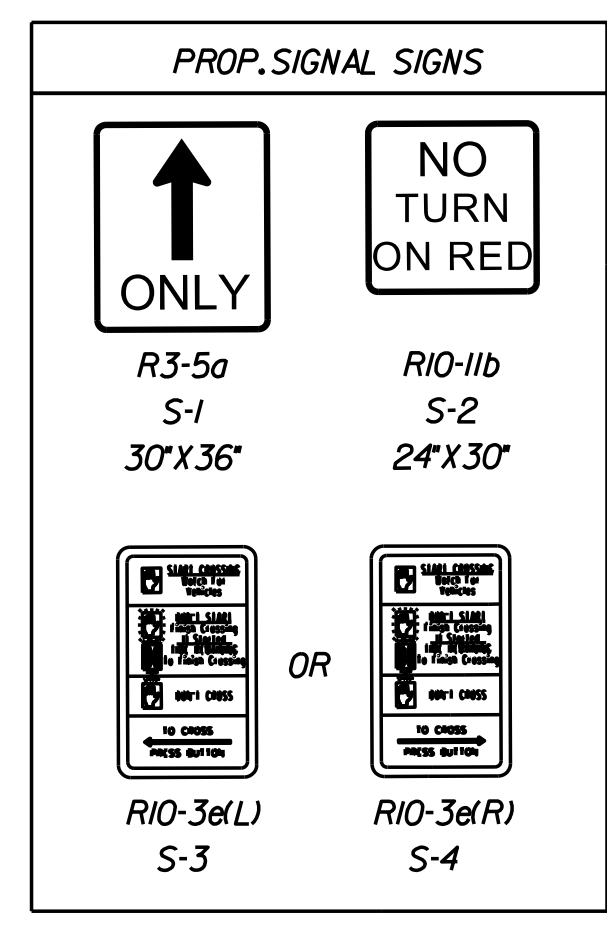
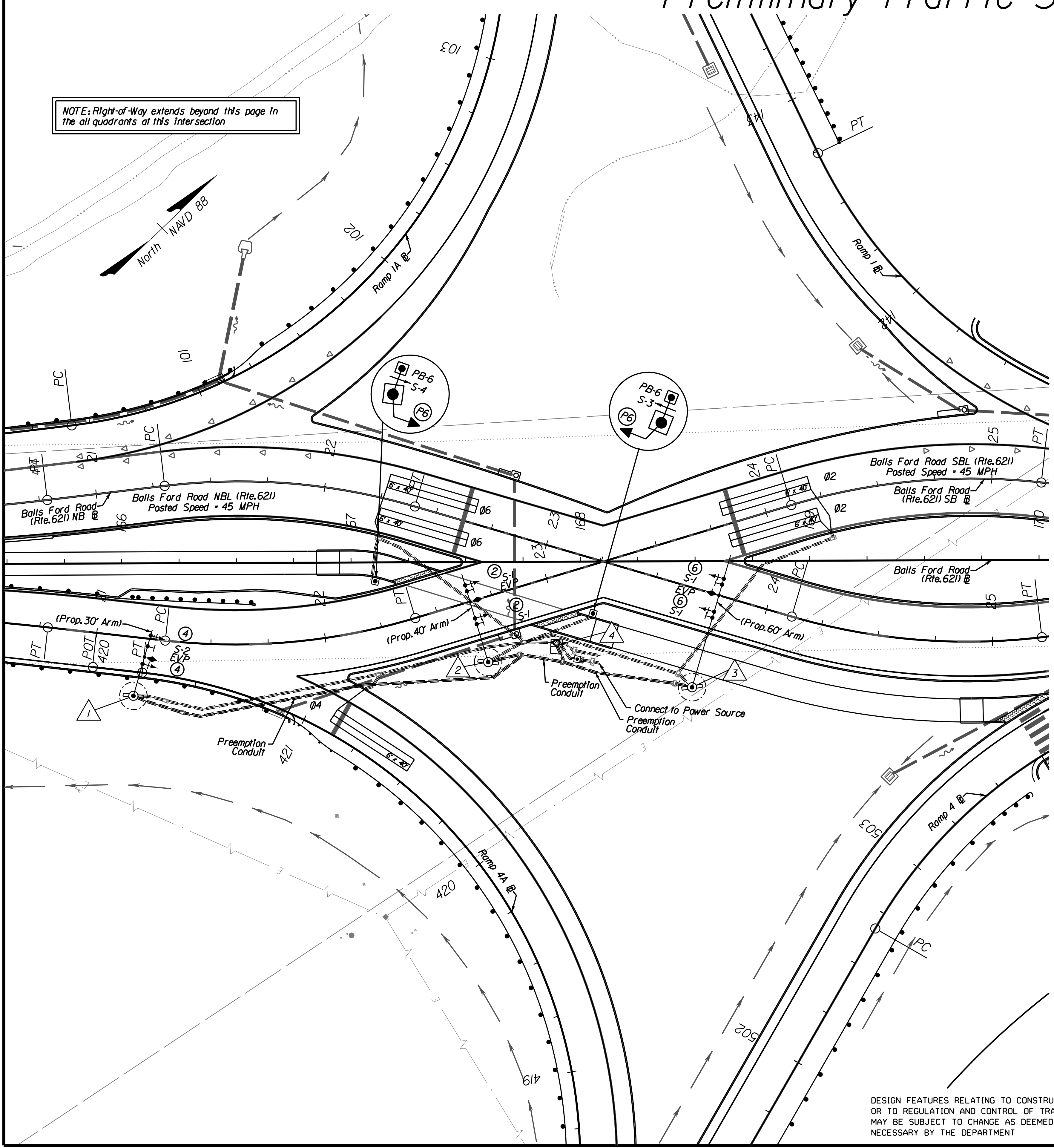
# Preliminary Traffic Signal Plan

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	621		6234-076-266, C-501, RW-201	29(5)

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

Rinker Design Associates, P.C.  
 Manassas, Virginia  
 TRAFFIC ENGINEER

NOTE: Right-of-Way extends beyond this page in the all quadrants at this Intersection



**NOT PROVIDED WITH THIS SUBMISSION**

- General Notes for Signals
- Cable and Conduit Runs
- Color Sequence Chart
- Initial Timing Chart
- Non-Standard Sign Details
- POWER/COMM Connection (to be coordinated at UFI)

**Signal Pole & Controller Legend**  
 (ALL DIMENSIONS ARE TO CENTER OF POLE)

The MP-3 (and Mast Arms) shall be designed to meet any NESC utility clearance requirements

1. S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
 57.8' Right of Rte. 621 Constr. Baseline Sta. 166+05.11  
 30' Mast Arm 25.3' Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 14.5', 27.3'  
 Sign Placement: 22.5'  
 Pre-emption Placement: 17.6'  
 Measured CZ Distance: (Lateral Offset Requirement Met; Yes)  
 Rte. 621 SBL: 8.5'

2. S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
 43.6' Right of Rte. 621 Constr. Baseline Sta. 167+59.80  
 40' Mast Arm 28.6' Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 19.9', 34.9'  
 Sign Placement: 17.3', 32.3'  
 Pre-emption Placement: 27.4'  
 Measured CZ Distance: (Lateral Offset Requirement Met; Yes)  
 Rte. 621 SBL: 10.5'

3. S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
 54.95' Right of Rte. 621 Constr. Baseline Sta. 168+48.72  
 60' Mast Arm 25.3' Angle to Rte. 621 Constr. Baseline  
 Signal Head Placement: 34.3', 49.3'  
 Sign Placement: 31.6', 46.6'  
 Pre-emption Placement: 41.8'  
 Measured CZ Distance:  
 Rte. 621 NBL: 24.75' (Lateral Offset Requirement Met; Yes)

4. Prop. Controller Cabinet and Foundation

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

VIRGINIA DEPARTMENT OF TRANSPORTATION  
 REVIEW OF WORKING DRAWINGS

WORKING DRAWINGS HAVE BEEN REVIEWED IN ACCORDANCE WITH SECTION 105.2 OF THE VDOT ROAD & BRIDGE SPECIFICATIONS WITH THE FOLLOWING COMMENT:

- REJECTED, CORRECT AND RESUBMIT
- ACCEPTED FOR INSTALLATION Subject To:
  - Obtaining VDOT Land Use Permit Prior To Installation.
  - Review and Approval of All Catalog Cuts, Shop Drawings, Pole Calculations, Soil Tests and Foundation Designs Prior To Construction.

REVIEWED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 Plan acceptance is valid for one year from date above to obtain VDOT Permit.

I-621 PRINCE WILLIAM PKWY INTERCHANGE  
 AT REALIGNED BALLS FORD RD  
 EDIT  
 PROPOSED SIGNAL INSTALLATION PLAN  
 Prince William County, Virginia

DATE: April 2020

SCALE 0 25' 50'	PROJECT 6234-076-266	SHEET NO. 29(5)
--------------------	-------------------------	--------------------

PH PLAN

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

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

NOVA DISTRICT DESIGN UNIT  
**LANE**  
 Rinker Design Associates, P.C.  
 Office Locations: Manassas, VA; Fairfax, VA; Falls Church, VA; Herndon, VA; Reston, VA; Springfield, VA; Washington, DC

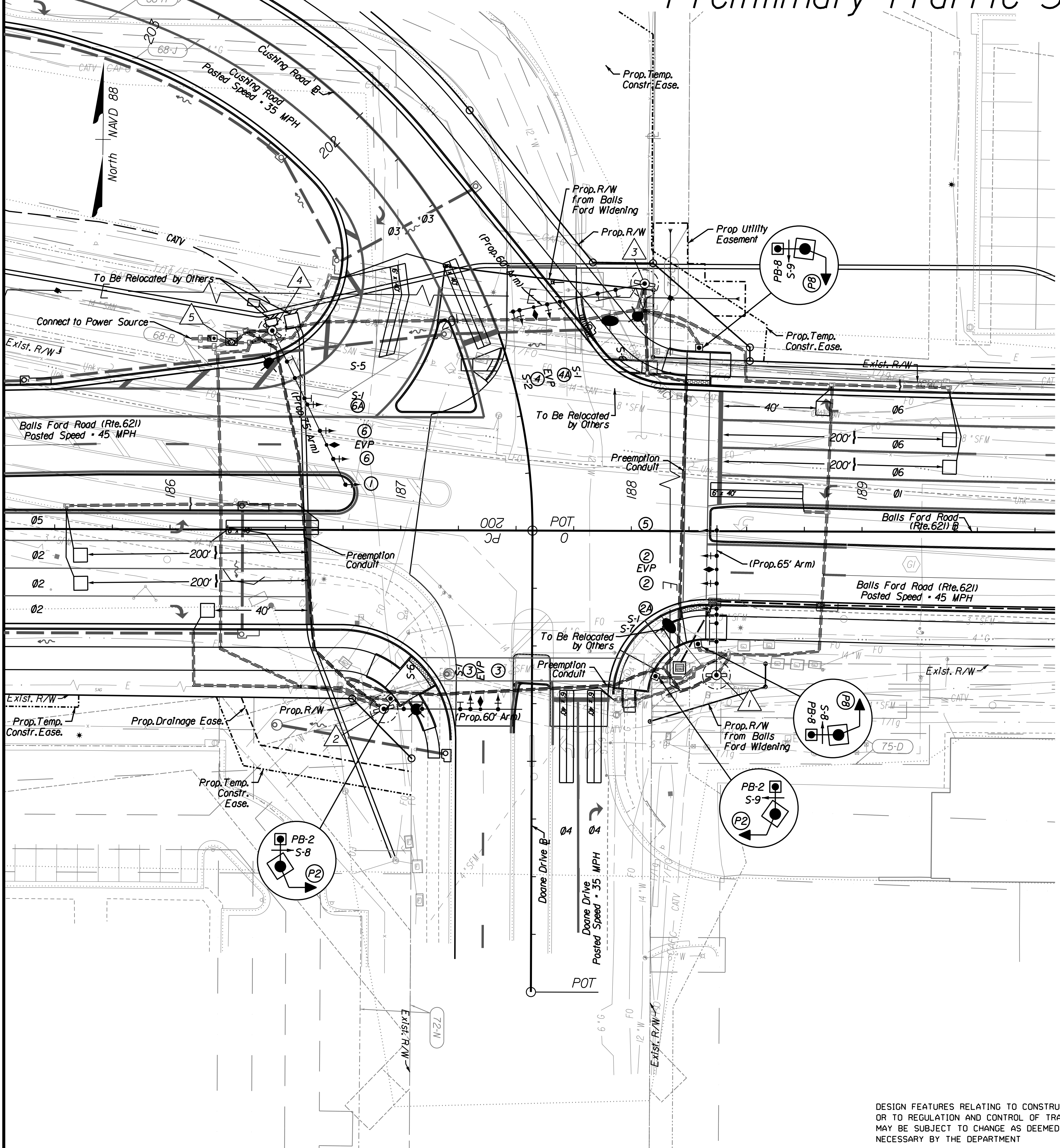
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	29(6)

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

Rinker Design Associates, P.C.  
Manassas, Virginia  
TRAFFIC ENGINEER

# Preliminary Traffic Signal Plan

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228  
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020  
DESIGN BY Rinker Design Associates, Mark Gunn PE (703) 368-7373  
SUBSURFACE UTILITY BY, DATE AccuMark (703) 635-3060, May 2020

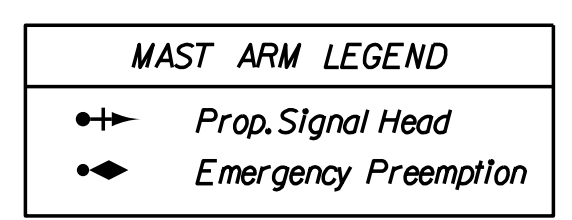


## Signal Pole & Controller Legend (ALL DIMENSIONS ARE TO CENTER OF POLE)

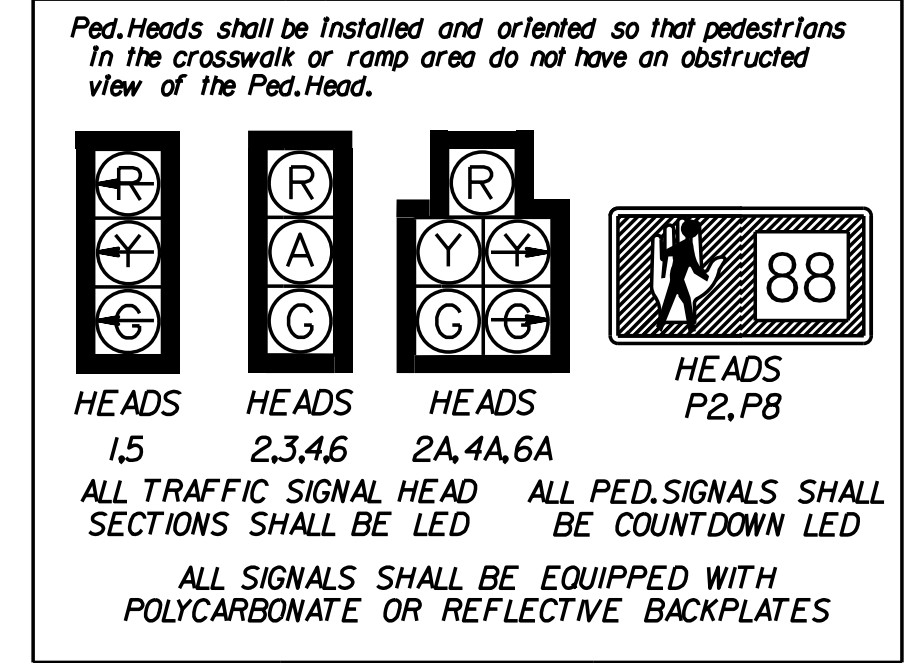
- 1. The MP-3 (and Mast Arms) shall be designed to meet any NESC utility clearance requirements  
S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
62.38' Right of Rte. 621 Constr. Baseline Sta. 188+37.10  
65' Mast Arm 27° Angle to Rte. 621 Constr. Baseline  
Signal Head Placement: 28.8', 39.7', 51.7', 62.7'  
Sign Placement: 14.5', 26.2'  
Pre-emption Placement: 45.8'  
Measured CZ Distance: (Lateral Offset Requirement Met: Yes)  
Doane Dr.: 44.1'  
Rte. 621: 29.9'
- 2. S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
77.46' Right of Rte. 621 Constr. Baseline Sta. 186+92.67  
67' Mast Arm 17° Angle to Rte. 621 Constr. Baseline  
Signal Head Placement: 37.8', 49.8'  
Sign Placement: 8.7', 33.2', 45.7', 54.4'  
Pre-emption Placement: 41.9'  
Measured CZ Distance: (Lateral Offset Requirement Met: Yes)  
Doane Dr.: 29.2'  
Rte. 621: 35.6'
- 3. S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
107.2' Left of Rte. 621 Constr. Baseline Sta. 188+05.77  
67' Mast Arm 12° Angle to Rte. 621 Constr. Baseline  
Signal Head Placement: 43.2', 55.5'  
Sign Placement: 12.9', 37.5', 58.3'  
Pre-emption Placement: 49.2'  
Measured CZ Distance: (Lateral Offset Requirement Met: Yes)  
Cushing Rd.: 32.7'  
Rte. 621: 45.2'
- 4. S'd Mast Arm Pole (MP-3) with S'd PF-8 Foundation  
86.4' Left of Rte. 621 Constr. Baseline Sta. 186+44.44  
75' Mast Arm 11.5° Angle to Rte. 621 Constr. Baseline  
Signal Head Placement: 35.4', 48', 61.5', 74'  
Sign Placement: 14.8', 32.5'  
Pre-emption Placement: 54.8'  
Measured CZ Distance: (Lateral Offset Requirement Met: Yes)  
Cushing Rd.: 1.8'  
Rte. 621: 22.4'
- 5. Prop. Controller Cabinet and Foundation

**NOT PROVIDED WITH THIS SUBMISSION**

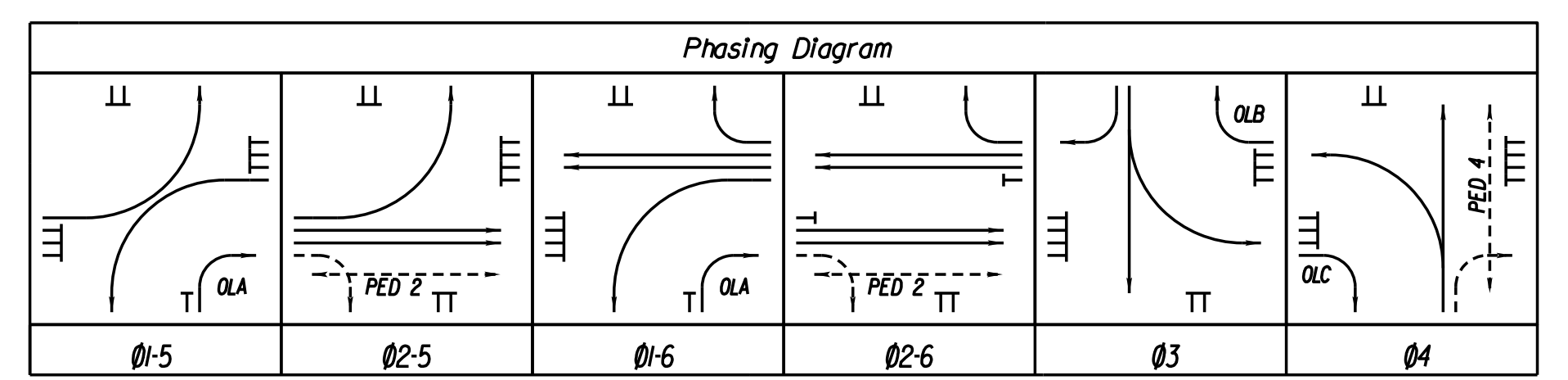
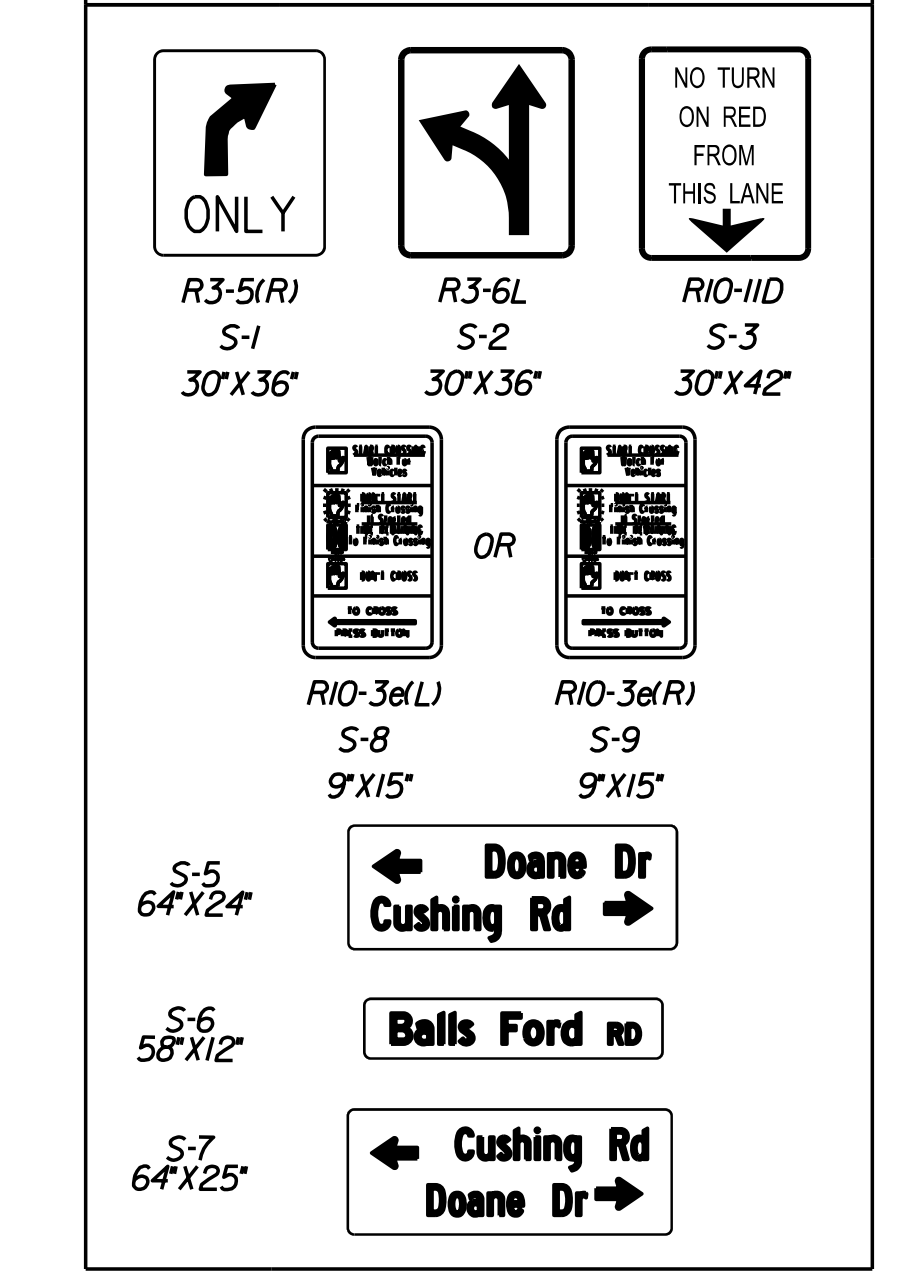
- General Notes for Signals
- Cable and Conduit Runs
- Color Sequence Chart
- Initial Timing Chart
- Non-Standard Sign Details
- POWER/COMM Connection (to be coordinated at UF1)



## SIGNAL HEADS



## PROP. SIGNAL SIGNS

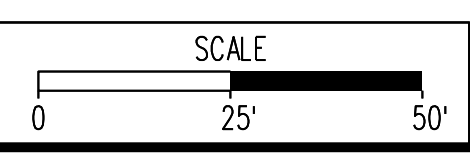


VIRGINIA DEPARTMENT OF TRANSPORTATION  
REVIEW OF WORKING DRAWINGS  
WORKING DRAWINGS HAVE BEEN REVIEWED IN ACCORDANCE WITH SECTION 105.2 OF THE VDOT ROAD & BRIDGE SPECIFICATIONS WITH THE FOLLOWING COMMENT:

- REJECTED, CORRECT AND RESUBMIT
  - ACCEPTED FOR INSTALLATION Subject To:
    1. Obtaining VDOT Land Use Permit Prior To Installation.
    2. Review and Approval of All Catalog Cuts, Shop Drawings, Pole Calculations, Soil Tests and Foundation Designs Prior To Construction.
- REVIEWED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
Plan acceptance is valid for one year from date above to obtain VDOT Permit.

I-621 PRINCE WILLIAM PKWY INTERCHANGE  
AT REALIGNED BALLS FORD RD  
Cushing Rd./ Doane Dr. and Balls Ford Rd.  
PROPOSED SIGNAL INSTALLATION PLAN  
Prince William County, Virginia

DATE: April 2020	PROJECT 6234-076-266	SHEET NO. 29(6)
---------------------	-------------------------	--------------------



PH PLAN

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

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

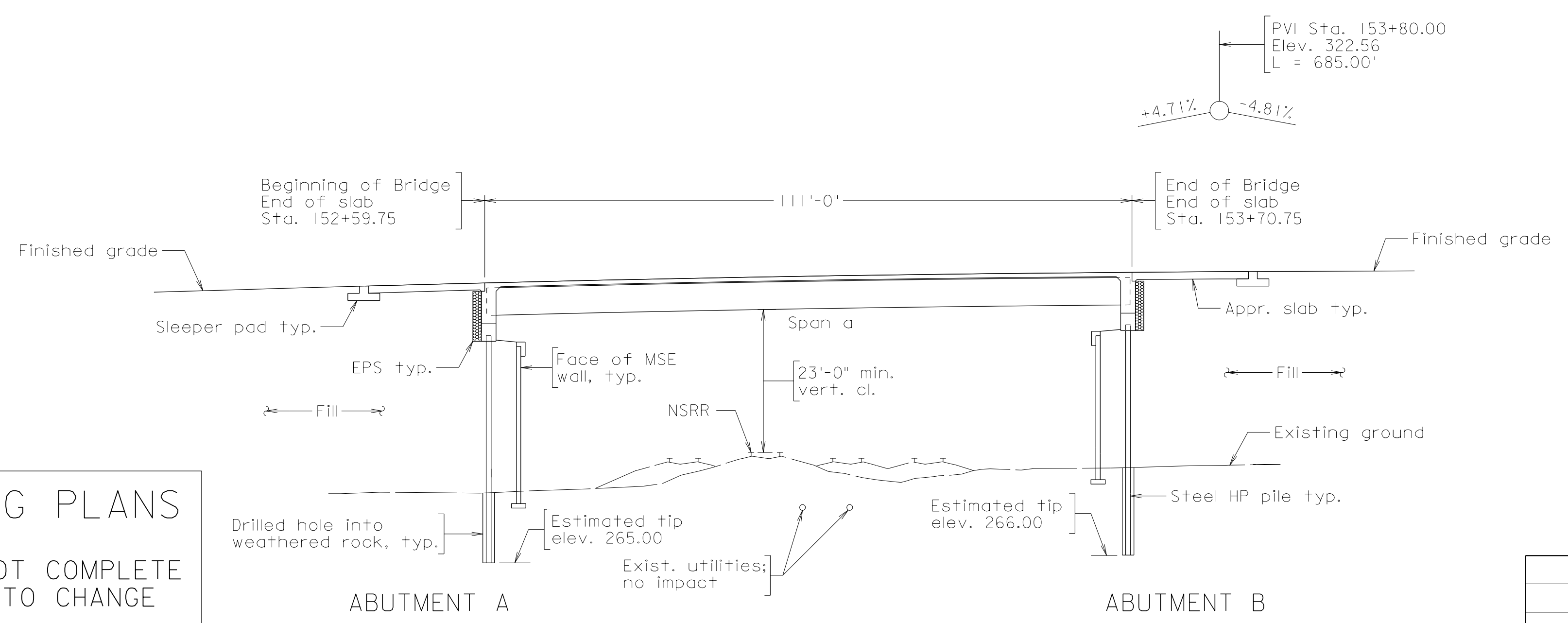
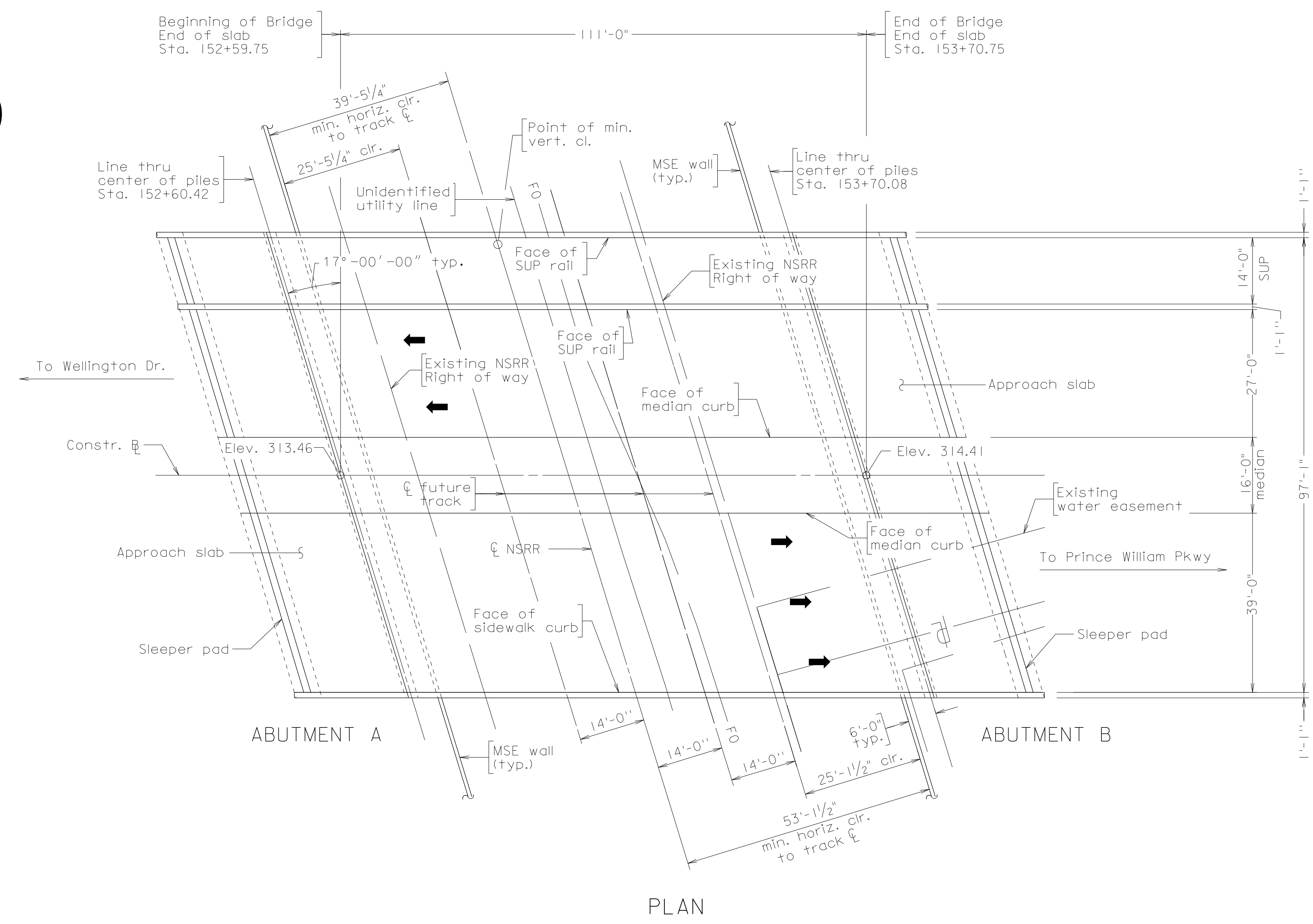
NOVA DISTRICT DESIGN UNIT  
LANE  
Rinker Design Associates, P.C.  
Office Locations: Manassas, VA; Fairfax, VA; Falls Church, VA; Herndon, VA; Reston, VA; Springfield, VA; Washington, DC

STATE	FEDERAL AID		STATE		SHEET
ROUTE	PROJECT		ROUTE	PROJECT	NO.
VA.	-		621	6234-076-266, B6xx	1
NBIS Number: 000000000XXXXX			UPC No. 112815		
Federal Oversight Code: NFO			FHWA Construction and Scour Code: X131-SN		

DESIGN EXCEPTIONS:  
None.

GENERAL NOTES:  
Width: 14'-0" shared use path, 27'-0" roadway (WBL), 16'-0" median, 39'-0" roadway (EBL), and overall width 99'-3" face of railing to face of railing.  
Span layout: 111'-0" simple span steel plate girder with integral abutments  
Capacity: HL-93 loading.  
Specifications:  
Construction: Virginia Department of Transportation Road and Bridge Specifications, 2016.  
Design: AASHTO LRFD Bridge Design Specifications, 7th Edition, 2014; and VDOT Modifications.  
Standards: Virginia Department of Transportation Road and Bridge Standards, 2016; including Revision I dated February 16, 2017.

These plans are incomplete unless accompanied by the Supplemental Specifications and Special Provisions included in the contract documents.  
Design loading includes 20 psf allowance for construction tolerances and construction methods.  
Design loading includes 15 psf allowance for future wearing surface.  
The use of prestressed deck panels as stay-in-place forms will not be permitted.  
All structural steel, including bearings and sole plates, shall be ASTM A709 Grade 50W and shall be unpainted.  
Concrete in superstructure, including parapets, railings, and terminal walls shall be Low Shrinkage Class A4 Modified. In abutments, use Class A3 concrete.  
All reinforcing steel shall be deformed and shall conform to ASTM A615 Grade 60 except for reinforcing steels noted as CRR (corrosion resistant reinforcing) which shall conform to applicable specifications noted in the special provisions. All reinforcing bar dimensions on the detailed drawings are to centers of bars except where otherwise noted and are subject to fabrication and construction tolerances.  
Corrosion resistant reinforcing (CRR) steels shall conform to one or more of the three Classes listed in the special provision. The minimum yield strength shall be: 100 ksi for low carbon/chromium and 60 ksi for stainless clad steel or solid stainless steel. The Class(es) of CRR steel(s) required on this project is/are noted on the plan sheets and in the reinforcing steel schedule. Corrosion Resistant Reinforcing Steel, Class II or Class III may be substituted for Class I. Corrosion Resistant Reinforcing Steel, Class III, may be substituted for Class II.  
All H-piles shall be ASTM A709 Grade 50 steel.



PUBLIC HEARING PLANS  
THESE PLANS ARE NOT COMPLETE  
AND ARE SUBJECT TO CHANGE

PLANS BY:	WSP
COORDINATED:	-
SUPERVISED:	John Michels
DESIGNED:	Charles Krueger
DRAWN:	Charles Krueger
CHECKED:	Soroush Fakhri Yazdi

No.	Description	Date
REVISIONS		
For Table of Revisions, see Dwg. No. 2.		

Recommended for Approval: \_\_\_\_\_  
Director of Prince William County Department of Transportation Date

Approved: \_\_\_\_\_  
Chief Engineer Date

Date: April 28, 2020 © 2020, Commonwealth of Virginia Sheet No. 1 of 2

**VDOT**  
COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PROPOSED BRIDGE ON  
ROUTE 621 (BALLS FORD ROAD) OVER  
NORFOLK SOUTHERN RAILWAY (NSRR)  
PRINCE WILLIAM COUNTY  
PROJ. 6234-076-266, B6xx

Scale: 1/16" = 1'-0"



STATE	FEDERAL AID	STATE	SHEET NO.
ROUTE	PROJECT	ROUTE	PROJECT
VA.		621	6234-076-266, B6xx
NBIS Number:	000000000XXXXX	UPC No.	112815
Federal Oversight Code:	NFO	FHWA Construction and Scour Code:	X231-SN

DESIGN EXCEPTIONS:  
None.

GENERAL NOTES:  
Width: 14'-0" shared use path, 27'-0" roadway (WBL), 39'-0" roadway (EBL), and overall width 82'-2" face of railing to face of railing.

Span layout: 132' single steel plate girder span.  
Capacity: HL-93 loading.  
Specifications:  
Construction: Virginia Department of Transportation Road and Bridge Specifications, 2016.  
Design: AASHTO LRFD Bridge Design Specifications, 7th Edition, 2014; and VDOT Modifications.  
Standards: Virginia Department of Transportation Road and Bridge Standards, 2016; including all current revisions.

These plans are incomplete unless accompanied by the Supplemental Specifications and Special Provisions included in the contract documents.  
Design loading includes 20 psf allowance for construction tolerances and construction methods.  
Design loading includes 15 psf allowance for future wearing surface.  
The use of prestressed deck panels as stay-in-place forms will not be permitted.

All structural steel, including bearings and sole plates, shall be ASTM A709 Grade 50W and shall be unpainted.  
Concrete in superstructure, including parapets, railings, terminal walls, and abutment backwalls shall be Low Shrinkage Class A4 Modified. In abutments (except as noted), use Class A3 concrete.

All reinforcing steel shall be deformed and shall conform to ASTM A615 Grade 60 except for reinforcing steels noted as CRR (corrosion resistant reinforcing) which shall conform to applicable specifications noted in the special provisions. All reinforcing bar dimensions on the detailed drawings are to centers of bars except where otherwise noted and are subject to fabrication and construction tolerances.

Corrosion resistant reinforcing (CRR) steels shall conform to one or more of the three Classes listed in the special provision. The minimum yield strength shall be: 100 ksi for low carbon/chromium and 60 ksi for stainless clad steel or solid stainless steel. The Class(es) of CRR steel(s) required on this project is/are noted on the plan sheets and in the reinforcing steel schedule. Corrosion Resistant Reinforcing Steel, Class II or Class III may be substituted for Class I. Corrosion Resistant Reinforcing Steel, Class III, may be substituted for Class II.

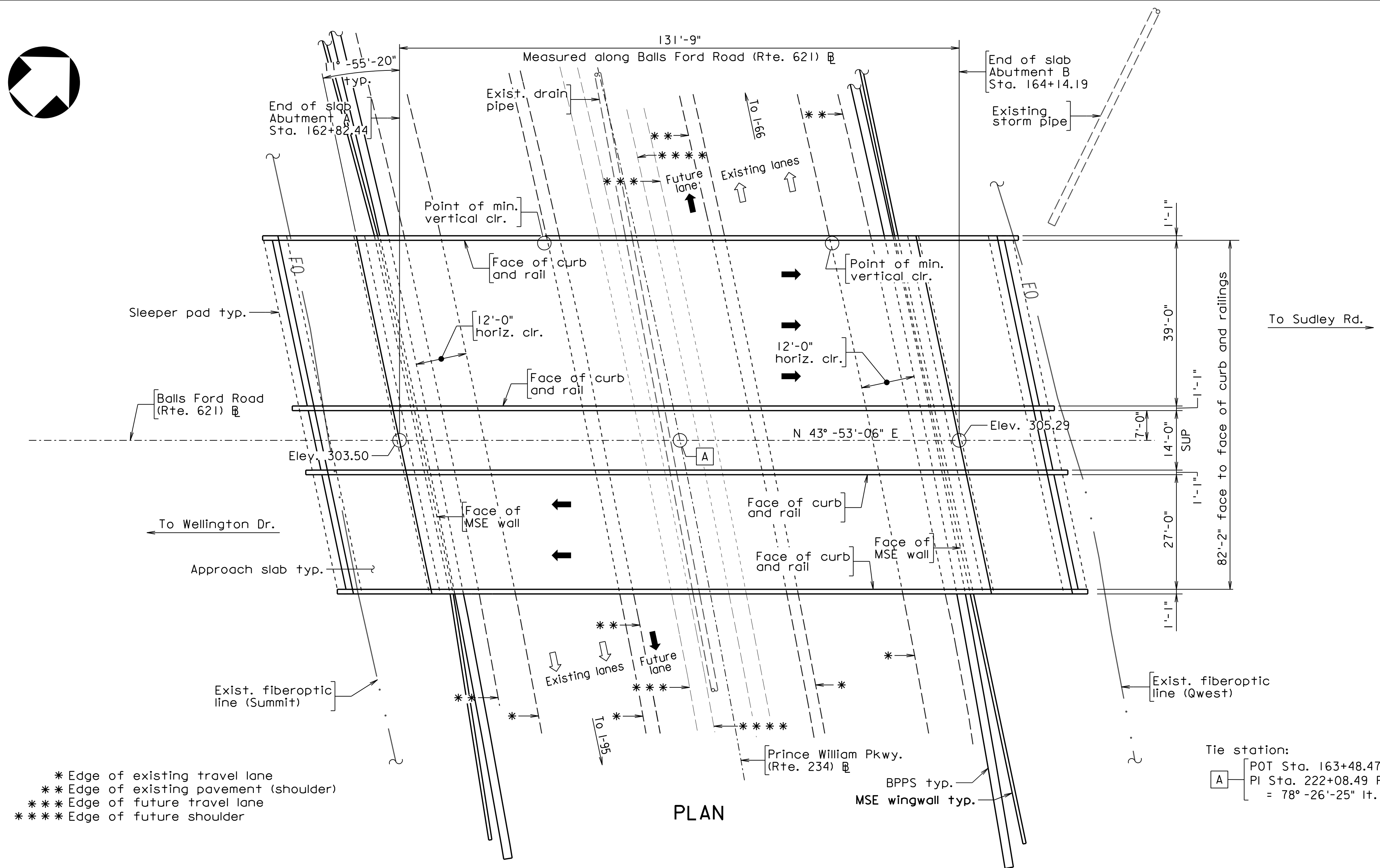
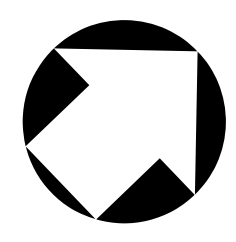
All H-piles shall be ASTM A709 Grade 50 steel.



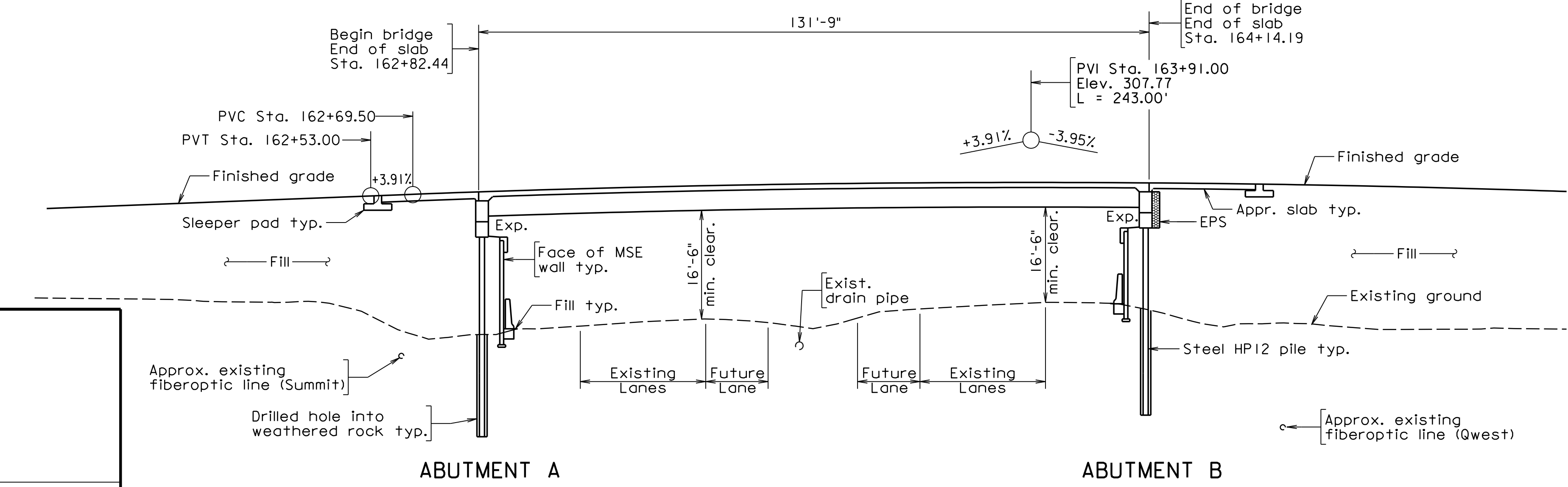
COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION

PROPOSED BRIDGE ON  
ROUTE 621 (BALLS FORD ROAD) OVER  
ROUTE 234 (PRINCE WILLIAM PARKWAY)  
PRINCE WILLIAM COUNTY  
0.28 MI. SOUTH OF OLD BALLS FORD RD.  
PROJ. 6234-076-266, B6xx

Recommended for Approval: \_\_\_\_\_  
Director of Prince William County Department of Transportation Date  
Approved: \_\_\_\_\_  
Chief Engineer Date



- \* Edge of existing travel lane
- \*\* Edge of existing pavement (shoulder)
- \*\*\* Edge of future travel lane
- \*\*\*\* Edge of future shoulder



PROFILE ALONG CONSTRUCTION

PUBLIC HEARING PLANS  
THESE PLANS ARE NOT COMPLETE  
AND ARE SUBJECT TO CHANGE

Scale: 1/16" = 1'-0"

No.	Description	Date
REVISIONS		
For Table of Revisions, see Dwg. No. 2.		

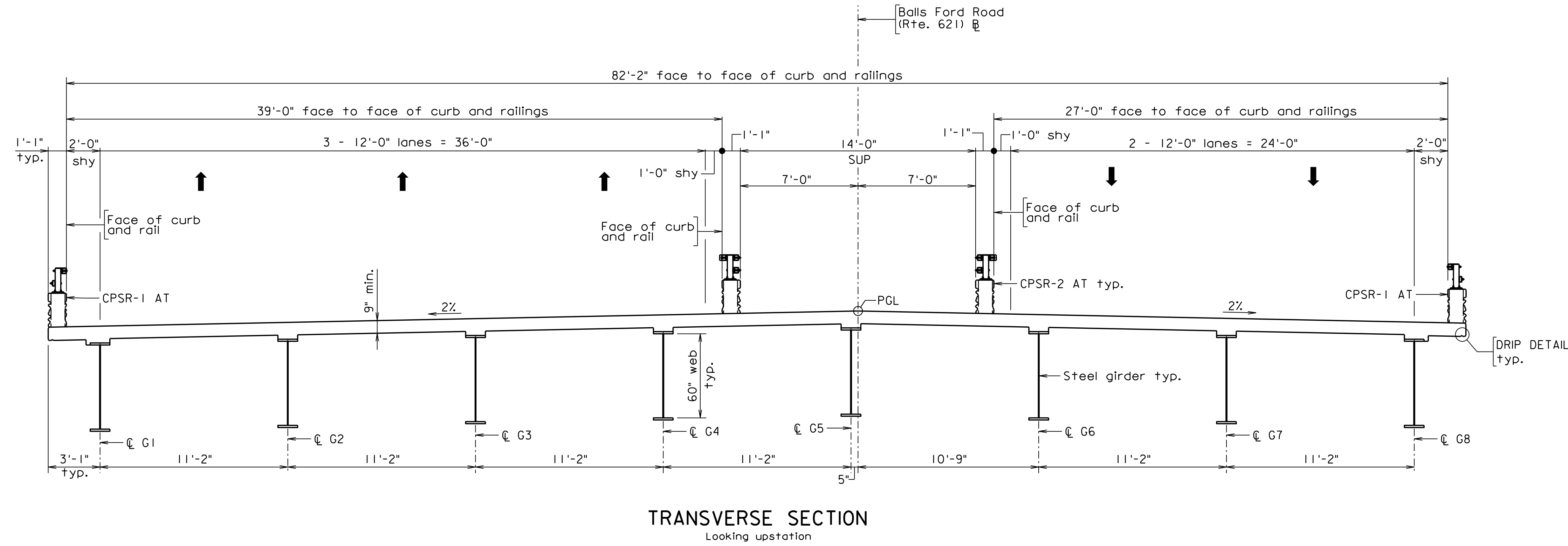
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RINKER DESIGN ASSOCS. MANASSAS, VA STRUCTURAL ENGINEER	
PLANS BY:	Rinker Design Associates
COORDINATED:	-
SUPERVISED:	Song Kim
DESIGNED:	Lisa Grube
DRAWN:	Brandon Limberis
CHECKED:	-



STATE	FEDERAL AID	STATE	SHEET
ROUTE	PROJECT	ROUTE	NO.
VA.	---	621	2
		6234-076-266, B6xx	

NOTES:  
 Architectural treatment shall be provided on both faces of bridge railings and fence curb as shown.  
 Steel girder details such as holes for abutment rebars, shear studs, splice plates, high strength bolts, intermediate cross frames, pier end diaphragms, and connection plates are not shown for clarity.  
 The horizontal dimensions are measured normal to Balls Ford Road (Rte. 621) ☒.



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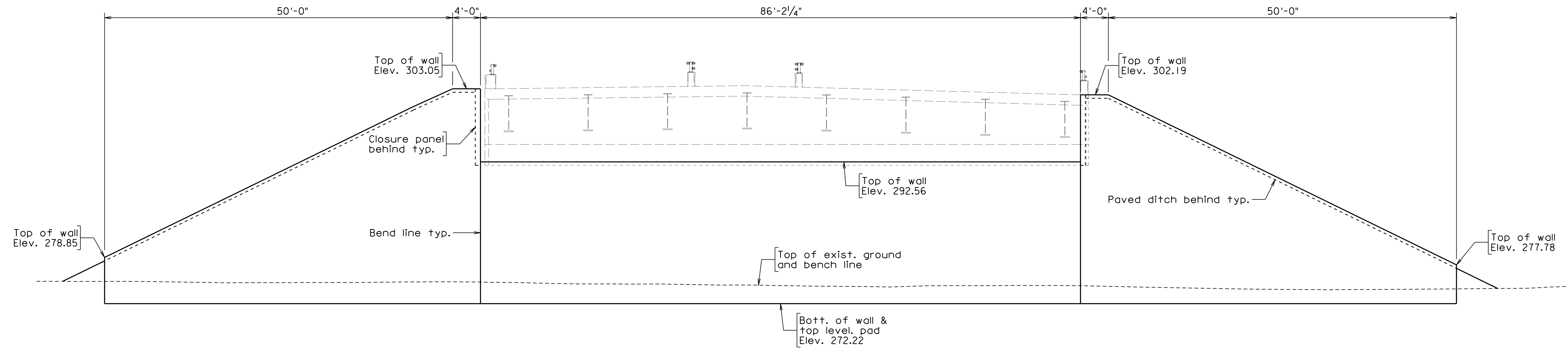
**PUBLIC HEARING PLANS**  
 THESE PLANS ARE NOT COMPLETE  
 AND ARE SUBJECT TO CHANGE

RINKER DESIGN ASSOCIATES  
 MANASSAS, VA.  
 STRUCTURAL ENGINEER

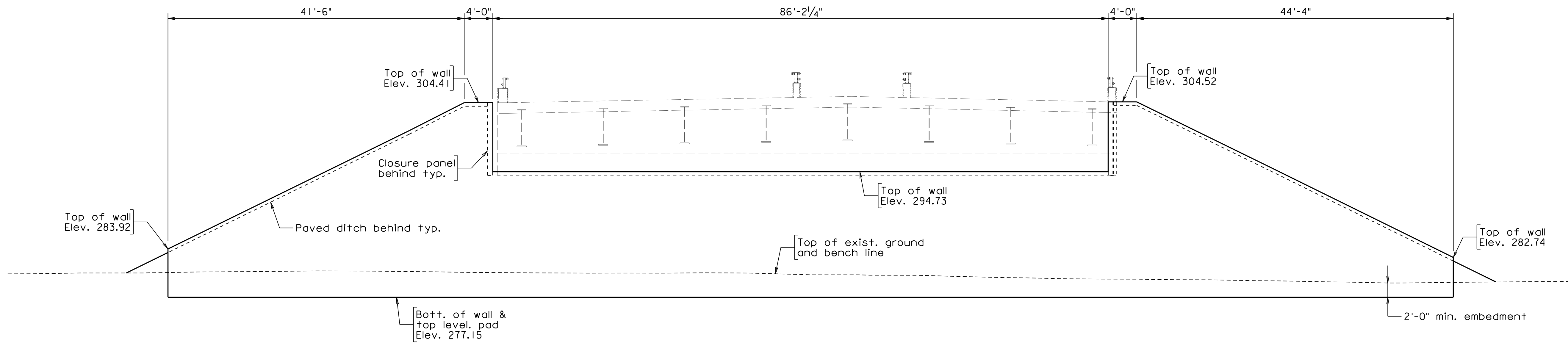
COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION					
STRUCTURE AND BRIDGE DIVISION					
<b>TRANSVERSE SECTION AND DETAILS</b>					
No.	Description	Date	Designed: ...LKC...	Date	Plan No.
			Drawn: ...RBL...	April 2020	-
			Checked: ...		2 of 3
Revisions					

Scale: 1/4" = 1'-0" unless noted otherwise © 2020, Commonwealth of Virginia

STATE	FEDERAL AID	STATE	SHEET
ROUTE	PROJECT	ROUTE	NO.
VA. ---	---	621	3
		6234-076-266, B6xx	



MSE WALL ELEVATION - ABUTMENT A  
Looking downstation



MSE WALL ELEVATION - ABUTMENT B  
Looking upstation

PUBLIC HEARING PLANS  
THESE PLANS ARE NOT COMPLETE  
AND ARE SUBJECT TO CHANGE

NOTES:  
Provide VDOT Standard HR-1 handrail on top of the retaining walls except underneath the bridges.

RINKER DESIGN ASSOCIATES  
MANASSAS, VA.  
STRUCTURAL ENGINEER

Scale: 1/8" = 1'-0" © 2020, Commonwealth of Virginia

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION			
STRUCTURE AND BRIDGE DIVISION			
RETAINING WALLS			
No.	Description	Date	Revisions
Designed: LKC	Date	Plan No.	Sheet No.
Drawn: RBC	April 2020	-	3 of 3
Checked: RBC			