

PROJECT MANAGER Wendy Black Sanford, City of Fairfax (703) 385-7889
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY PROVIDED BY AccuMark (2011)

Utility Owners:
AT&T/TCG
Cox Communications
Dominion Virginia Power
Fairfax DPW (Sewer)
Fairfax Water (Water)
Verizon
Washington Gas
Zayo
Fiberlight
(See Sheet IH for Contact Information)

Roadway Design Legend

- 6 - Denotes S'd. MS-2 Req'd.
13 - Denotes Tie to Existing Curb
15 - Denotes S'd. Full Depth Saw Cut Req'd.

PATTERN LEGEND

- Full Depth Pavement
Denotes Mill and Overlay and/or Pavement Buildup
Demolition of Pavement

Drainage Legend

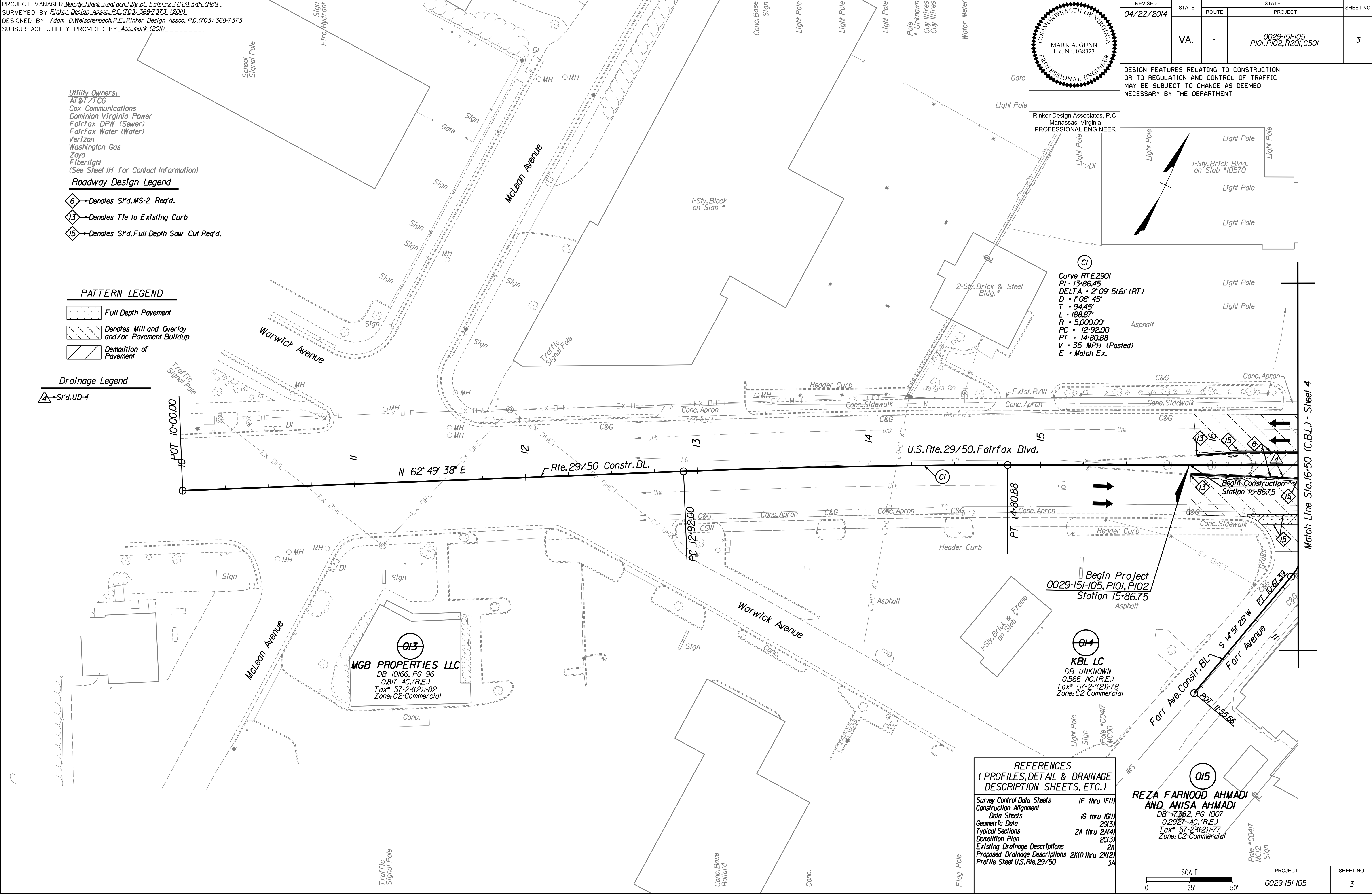
- 4 - S'd. UD-4



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

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
04/22/2014	VA.	-		0029-151-105 P101, P102, R201, C501	3

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



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

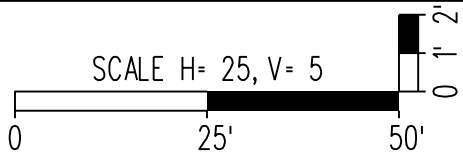
Survey Control Data Sheets	IF thru IF(1)
Construction Alignment	
Data Sheets	1G thru 1G(1)
Geometric Data	2G(3)
Typical Sections	2A thru 2A(4)
Demolition Plan	2C(3)
Existing Drainage Descriptions	2K
Proposed Drainage Descriptions	2K(1) thru 2K(2)
Profile Sheet U.S. Rte. 29/50	3A

REZA FARNOOD AHMADI
AND ANISA AHMADI
DB 17382, PG 1007
0.2927 AC (R.E.)
Tax* 57-2-1(2)-77
Zone: C2-Commercial

SCALE	PROJECT	SHEET NO.
0 25' 50'	0029-151-105	3

PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889 -
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SUBSURFACE UTILITY PROVIDED BY AccuMark (2011) - - - - -

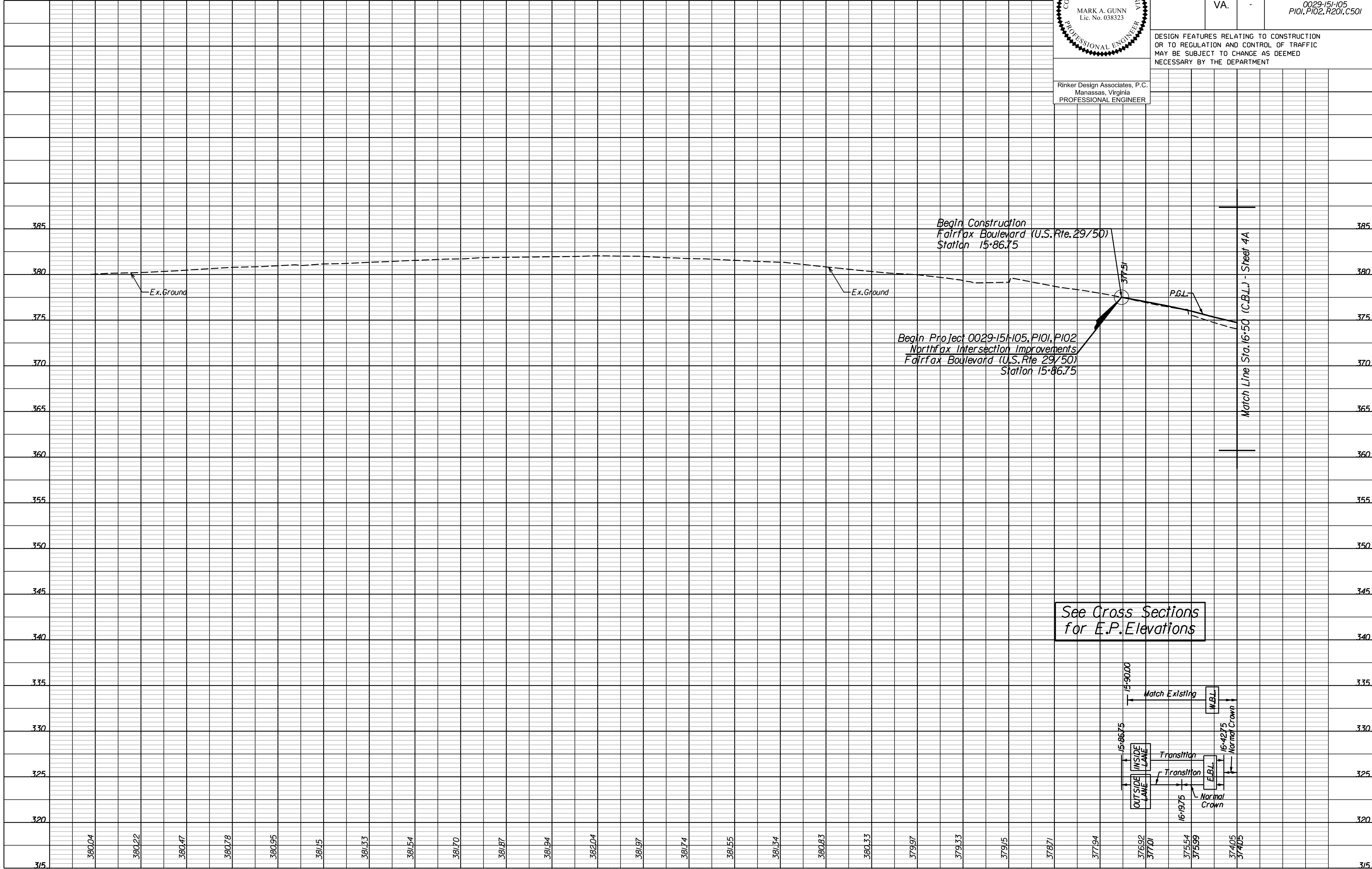
U.S. Rte. 29/50 Sta. 10+00 to Sta. 16+50



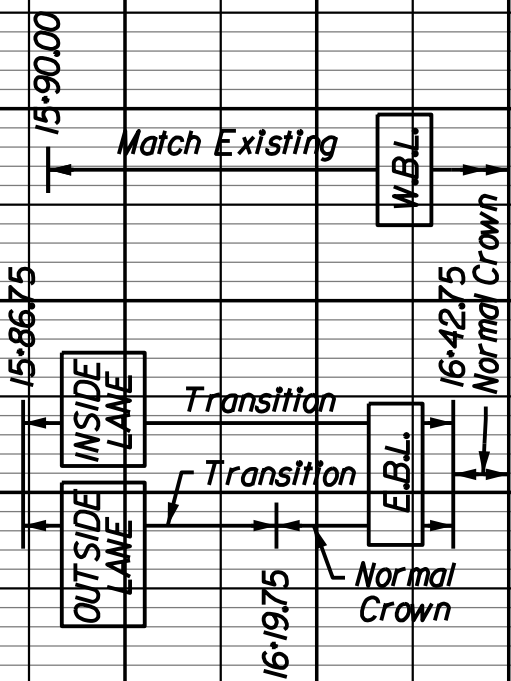
Rinker Design Associates, P.C.
Manassas, Virginia
PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	-	0029-151-105 PI01, PI02, R201, C501	3A

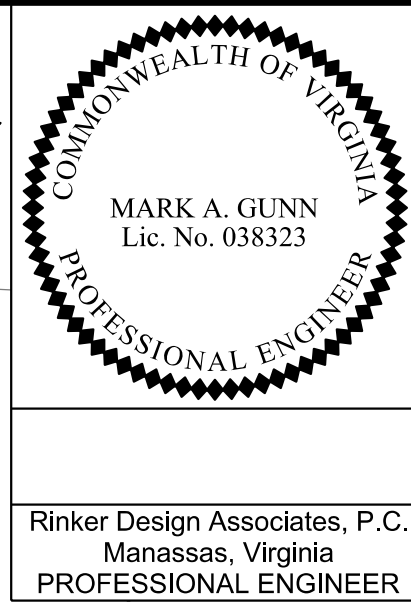
DESIGN FEATURES RELATING TO CONSTRUCTION
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NECESSARY BY THE DEPARTMENT



See Cross Sections
for E.P. Elevations



PROJECT MANAGER Wendy Black Sanford, City of Fairfax
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373
DESIGN SUPERVISED BY Mark Gunn, P.E., Rinker Design Assoc., P.C. (703) 368-7373
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373



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

Roadway Design Legend

- 1 - Denotes S'd. CG-2 Req'd.
- 2 - Denotes S'd. Radial CG-2 Req'd.
- 3 - Denotes S'd. CG-6 Req'd.
- 4 - Denotes S'd. Radial CG-6 Req'd.
- 5 - Denotes S'd. MS-1A Req'd.
- 6 - Denotes S'd. MS-2 Req'd.
- 7 - Denotes S'd. 5' Conc. Sidewalk Req'd.
- 14 - Denotes Tie to Existing Sidewalk
- 15 - Denotes S'd. Full Depth Saw Cut Req'd.

Drainage Legend

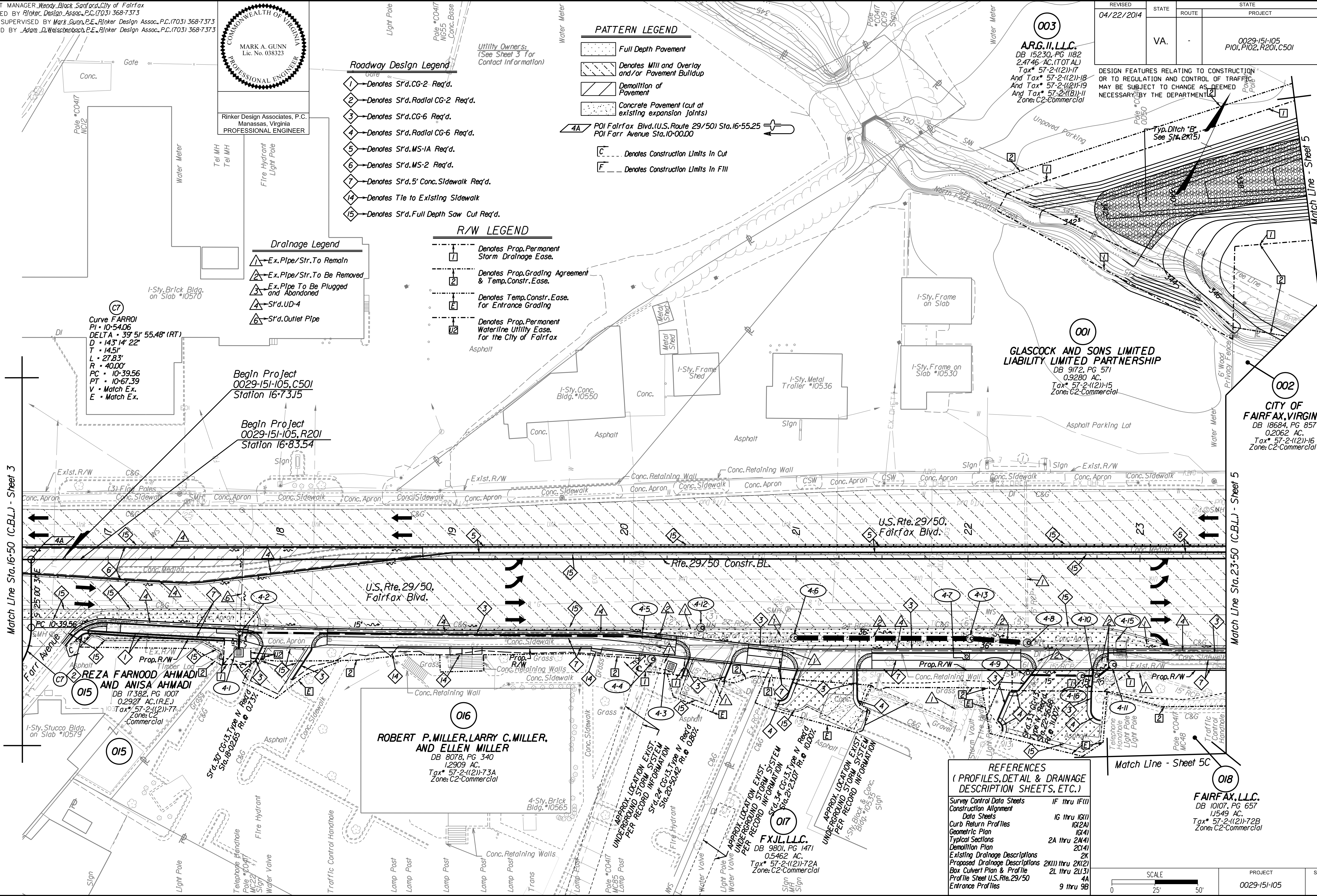
- △ - Ex. Pipe/Str. To Remain
- △ - Ex. Pipe/Str. To Be Removed
- △ - Ex. Pipe To Be Plugged and Abandoned
- △ - S'd. UD-4
- △ - S'd. Outlet Pipe

R/W LEGEND

- 1 - Denotes Prop. Permanent Storm Drainage Easement
- 2 - Denotes Prop. Grading Agreement & Temp. Constr. Easement
- 3 - Denotes Temp. Constr. Easement for Entrance Grading
- 4 - Denotes Prop. Permanent Waterline Utility Easement for the City of Fairfax

PATTERN LEGEND

- Full Depth Pavement
- Denotes Mill and Overlay and/or Pavement Buildup
- Demolition of Pavement
- Concrete Pavement (cut at existing expansion joints)
- POI Fairfax Blvd. (U.S. Route 29/50) Sta. 16+55.25
- POI Farr Avenue Sta. 10+00.00
- Denotes Construction Limits in Cut
- Denotes Construction Limits in Fill



003
ARG.II, LLC.
DB 15230, PG 1182
2,4746 AC. (TOTAL)
Tax* 57-2-(12)-17
And Tax* 57-2-(12)-18
And Tax* 57-2-(12)-19
And Tax* 57-2-(12)-11
Zone: C2-Commercial

001
GLASCOCK AND SONS LIMITED LIABILITY PARTNERSHIP
DB 9172, PG 571
0.9280 AC.
Tax* 57-2-(12)-15
Zone: C2-Commercial

002
CITY OF FAIRFAX, VIRGINIA
DB 18684, PG 857
0.2062 AC.
Tax* 57-2-(12)-16
Zone: C2-Commercial

018
FAIRFAX, LLC.
DB 10107, PG 657
1.1549 AC.
Tax* 57-2-(12)-72B
Zone: C2-Commercial

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

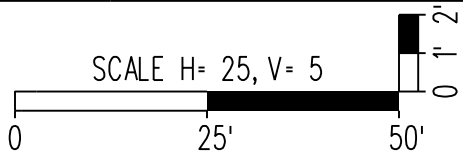
Survey Control Data Sheets	IF thru IF(1)
Construction Alignment Data Sheets	IG thru IG(1)
Curb Return Profiles	IG(2)
Geometric Plan	IG(4)
Typical Sections	2A thru 2A(4)
Demolition Plan	2C(1)
Existing Drainage Descriptions	2K
Proposed Drainage Descriptions	2K(1) thru 2K(2)
Box Culvert Plan & Profile	2L thru 2L(3)
Profile Sheet U.S. Route 29/50	4A
Entrance Profiles	9 thru 9B



PROJECT	SHEET NO.
0029-151-105	4

PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889 -
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373. (2011) -
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373.
SUBSURFACE UTILITY PROVIDED BY AccuMark (2011) - - - - -

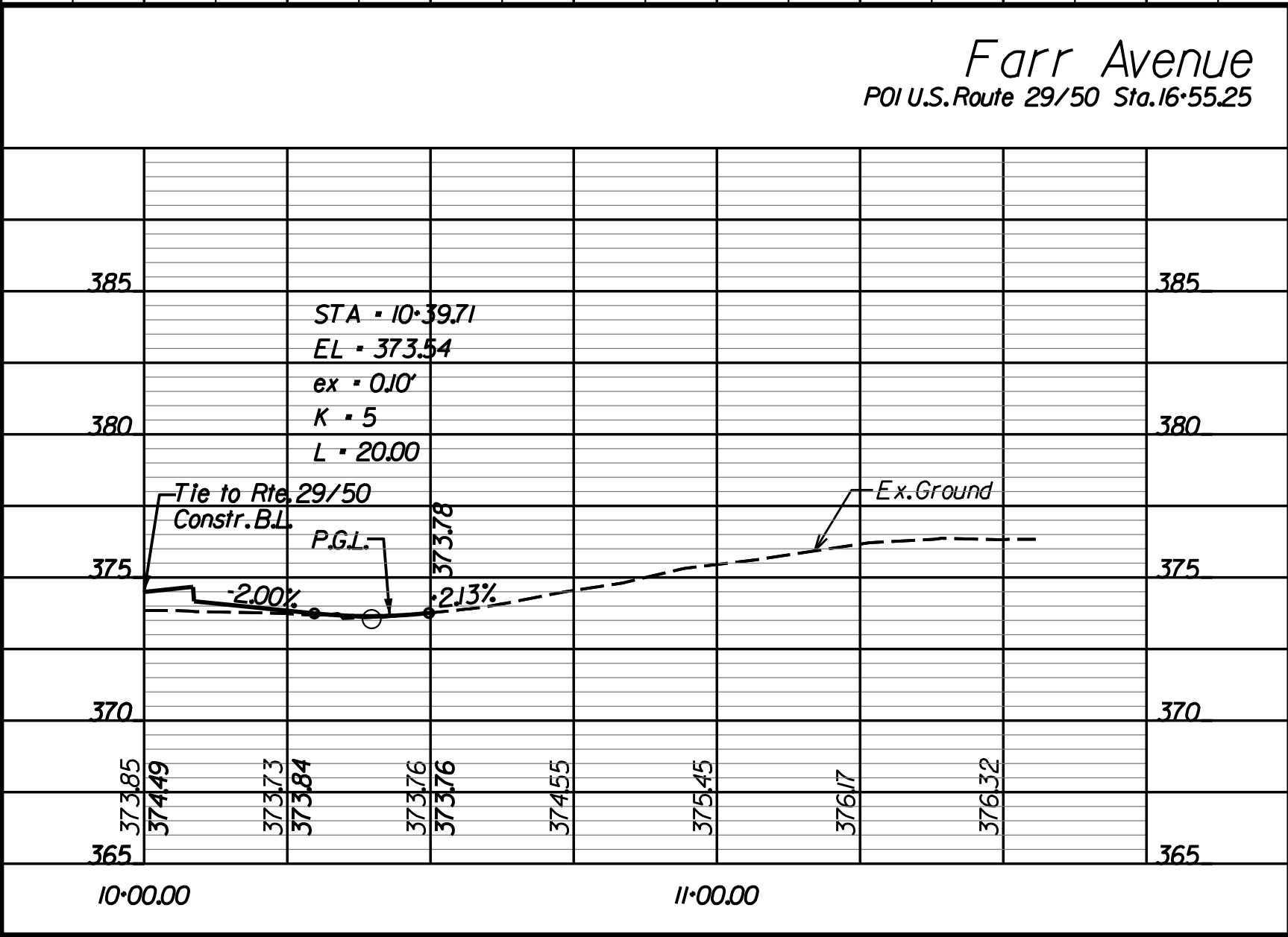
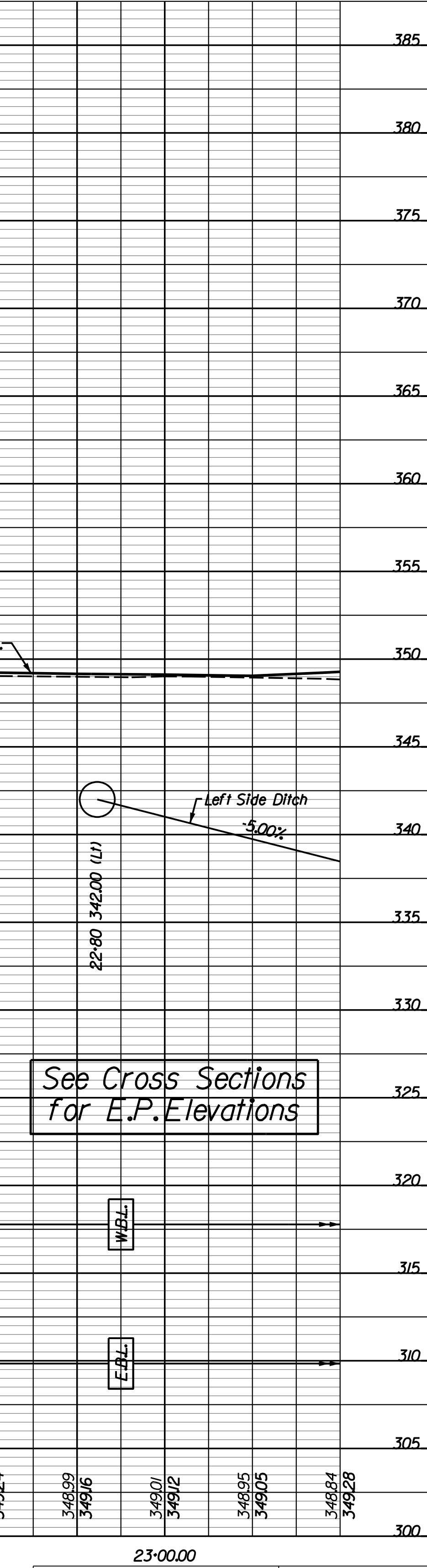
U.S. Rte. 29/50 Sta. 16+50 to Sta. 23+50



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

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	-		0029-151-105 P101, P102, R201, C501	4A

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



See Cross Sections
for E.P. Elevations

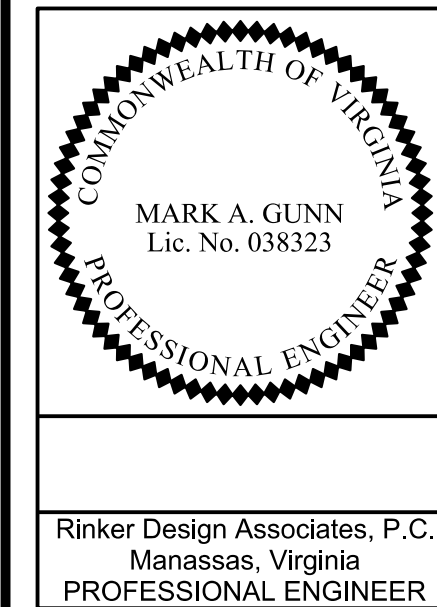
See Cross Sections
for E.P. Elevations

PROJECT: Manager Wendy Black, Sanford, City of Fairfax (703) 385-7889
SURVEYED BY: Rinker Design Assoc., P.C. (703) 368-7373 (2011)
DESIGNED BY: Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY PROVIDED BY: AccuMark (2011)
Roadway Design Legend

- 1 - Denotes S'd. CG-2 Req'd.
 - 2 - Denotes S'd. Radial CG-2 Req'd.
 - 3 - Denotes S'd. CG-6 Req'd.
 - 4 - Denotes S'd. Radial CG-6 Req'd.
 - 4A - Denotes S'd. Radial CG-6R Req'd.
 - 4B - Denotes 6' Transition from S'd. Radial CG-6 to S'd. Radial CG-6R
 - 5 - Denotes S'd. MS-1A Req'd.
 - 6 - Denotes S'd. MS-2 Req'd.
 - 7 - Denotes S'd. 5' Conc. Sidewalk Req'd.
 - 9 - Denotes S'd. CG-12, Type B Req'd.
 - 12 - Denotes Mod. CG-12, Type C Req'd.
 - 13 - Denotes Tie to Existing Curb
 - 14 - Denotes Tie to Existing Sidewalk
 - 15 - Denotes S'd. Full Depth Saw Cut Req'd.
 - 16 - Denotes S'd. GR-2 Req'd.
 - 17 - Denotes S'd. MS-1 Req'd.
 - 18 - Denotes Prop. Mast Arm Loc.
- R/W LEGEND**

- 1 - Denotes Prop. Permanent Storm Drainage Ease.
- 2 - Denotes Prop. Grading Agreement & Temp. Constr. Ease.
- 3 - Denotes Prop. Permanent Signal Ease.
- E - Denotes Temp. Constr. Ease. for Entrance Grading
- D - Denotes Temp. Constr. Ease. for Demolition
- U - Denotes Prop. Permanent Sanitary Sewer Utility Ease. for the City of Fairfax
- U3 - Denotes Prop. Perm. Utility Ease. for Cox, Dominion Virginia Power, Verizon
- U4 - Denotes Prop. Perm. Utility Ease. for Cox, Dominion Virginia Power, Verizon
- U5 - Denotes Prop. Perm. Utility Ease. for Cox, Dominion Virginia Power, Verizon
- U7 - Denotes Prop. Perm. Utility Ease. for AT&T, Cox
- U8 - Denotes Prop. Perm. Utility Ease. for AT&T, Cox, Verizon
- U9 - Denotes Prop. Perm. Utility Ease. for AT&T
- U10 - Denotes Prop. Perm. Utility Ease. for Dominion Virginia Power

FAIRFAX, L.L.C.
DB 10107, PG 657
1,549 AC.
Tax* 57-2-(12)-72B
Zone: C2-Commercial



ARG, II, L.L.C.
DB 15230, PG 1182
2,474 AC. (TOT AL)
Tax* 57-2-(12)-18
And Tax* 57-2-(12)-17
And Tax* 57-2-(12)-19
Zone: C2-Commercial

DIMITRIOS PATRIANAKOS AND VASILIOS PATRIANAKOS
DB 8904, PG 1517
0,5428 AC.
Tax* 57-2-(12)-20
Zone: C2-Commercial

MCKAY FAMILY INVESTMENT COMPANY, LLC
DB 18653, PG 740
1,0442 AC.
Tax* 57-2-(12)-24A
Zone: C2-Commercial

MCKAY CHEVROLET, INC.
DB 3124, PG 321
2,7343 AC.
Tax* 57-2-(12)-24
Zone: C2-Commercial

BANK OF AMERICA, N.A.
DB 23661, PG 2197
0,4325 AC.
Tax* 57-2-(12)-23
Zone: C2-Commercial

BANK OF AMERICA, N.A.
DB 23661, PG 2197
0,5420 AC.
Tax* 57-2-(12)-22
Zone: C2-Commercial

BURKE PETROLEUM REALTY, LLC
DB 20906, PG 1290
0,4204 AC.
Tax* 57-2-(12)-21
Zone: C2-Commercial

GTY-CPG (VA/DC) LEASING, INC.
DB 23123, PG 93
0,5019 AC.
Tax* 57-2-(12)-C
Zone: C2-Commercial

COMMERCIAL NET LEASE REALTY, LP
DB 18833, PG 308
0,929 AC.
Tax* 57-2-(12)-A
Zone: C2-Commercial

THOMAS B. HIGGINBOTHAM, FORREST S. HIGGINBOTHAM, AND KATHERINE H. BROWN
DB 15057, PG 973
3,386 AC.
Tax* 57-2-(12)-58
Zone: C2-Commercial

Curve RTE12302
PI - 65+17.94
DELTA - 3' 42" 30.21 (RT)
D - 1' 02" 30"
L - 178.05'
R - 355.98'
PC - 63+39.89
PT - 66+95.87
V - 30 MPH (Posted)
E - 2.0% (U.L.S.)

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

Survey Control Data Sheets	IF thru IF(1)
Construction Alignment	IG thru IG(1)
Data Sheets	IG(2) thru IG(5)
Curb Return Profiles	IG(6) thru IG(9)
Typical Sections	2A thru 2A(4)
Existing Drainage Descriptions	2C(1) thru 2C(5)
Proposed Drainage Descriptions	2K thru 2K(2)
Box Culvert Plan & Profile	2L thru 2L(3)
Utility Location Sheet	5/1
Profile Sheet U.S. Rte. 29/50	54
Profile Sheet Rte. 123	55
Entrance Profiles	9 thru 9B

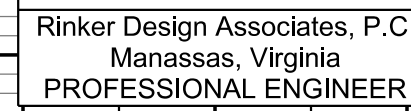
- Drainage Legend**
- 1 - Ex. Pipe/Str. To Remain
 - 2 - Ex. Pipe/Str. To Be Removed
 - 3 - Ex. Pipe To Be Plugged and Abandoned
 - 4 - S'd. UD-4
 - 5 - S'd. Outlet Pipe 24"

Scale
0 25' 50'

Project
0029-151-105

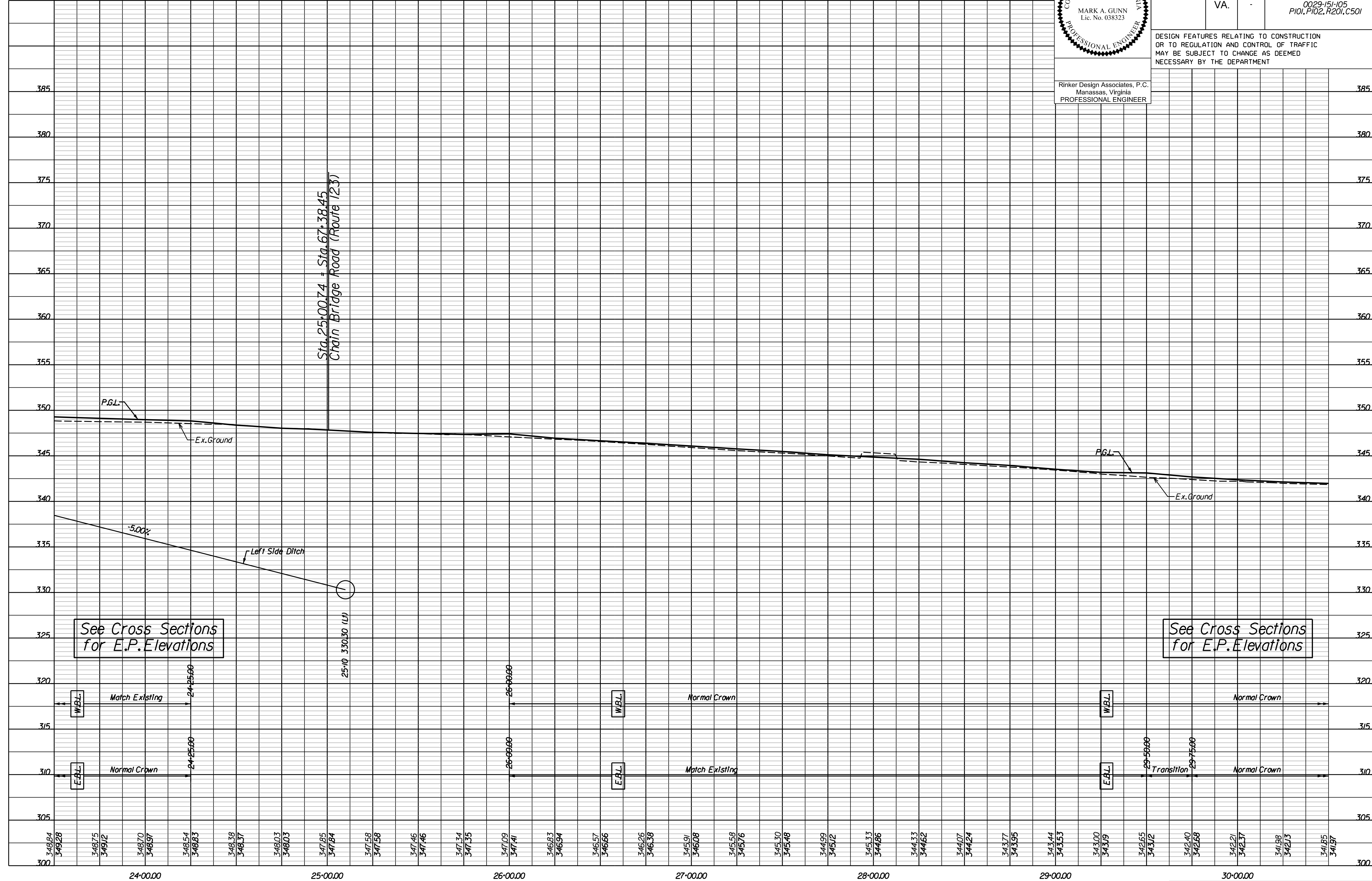
Sheet No.
5

SCALE H= 25, V= 5

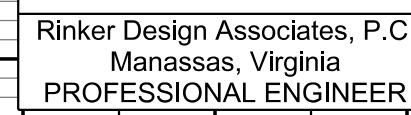


REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	-	0029-15105 P101,P102,R201,C501	5A

Profile view of the road showing elevations and ground profile. The vertical axis represents elevation in feet, ranging from 300 to 385. The horizontal axis represents stationing, with labels 343+02, 342+40, 342+68, 342+21, 342+37, 341+98, 342+13, 341+95, and 341+97. A dashed line represents the existing ground (Ex. Ground). A solid line represents the proposed road profile, which is labeled 'Normal Crown' at two points. A 'Transition' is indicated between station 342+68 and 342+21. A vertical curve is shown with a length of 297.500 feet. A box contains the text 'See Cross Sections for E.P. Elevations'.



	PROJECT 0029-151-105	SHEET NO. 5A
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REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	-	0029-151-105 P101, P102, R201, C501	5B

[illegible]

	PROJECT <i>0029-151-105</i>	SHEET NO. <i>5B</i>
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PROJECT MANAGER Wendy Black Sanford, City of Fairfax
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373
DESIGN SUPERVISED BY Mark Gunn, P.E., Rinker Design Assoc., P.C. (703) 368-7373
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373

Utility Owners:
(See Sheet 3 For
Contact Information)



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



R/W LEGEND

- 2 Denotes Prop. Grading Agreement & Temp. Constr. Ease.
- E Denotes Temp. Constr. Ease. for Entrance Grading
- U4 Denotes Prop. Permanent Utility Ease. for Cox, Dominion Virginia Power, Verizon
- U11 Denotes Prop. Permanent Utility Ease. for Verizon

Drainage Legend

- △ Ex. Pipe/Str. To Remain
- △ Ex. Pipe/Str. To Be Removed
- △ St'd. UD-4

Roadway Design Legend

- 1 Denotes St'd. CG-2 Req'd.
- 2 Denotes St'd. Radial CG-2 Req'd.
- 3 Denotes St'd. CG-6 Req'd.
- 4 Denotes St'd. Radial CG-6 Req'd.
- 6 Denotes St'd. MS-2 Req'd.
- 7 Denotes St'd. 5' Conc. Sidewalk Req'd.
- 9 Denotes St'd. CG-12, Type B Req'd.
- 13 Denotes Tie to Existing Curb
- 14 Denotes Tie to Existing Sidewalk
- 15 Denotes St'd. Full Depth Saw Cut Req'd.

- C Denotes Construction Limits In Cut
- F Denotes Construction Limits In Fill

PATTERN LEGEND

- Full Depth Pavement
- Denotes Mill and Overlay and/or Pavement Buildup
- Demolition of Pavement

UNIT OWNERS ASSOCIATION OF WARWICK PARK PROFESSIONAL CENTER, A CONDOMINIUM

DB 6592, PG 576
1,6584 AC.
Tax* 57-2-(129)-
Zone: C-1L LIMITED OFFICE

2-Sty. Frame Bldg. on
Slab *3600

FXJL, LLC.
DB 9801, PG 1471
0.5462 AC.
Tax* 57-2-(121)-72A
Zone: C2-Commercial

FAIRFAX, LLC.
DB 10107, PG 657
11,549 AC.
Tax* 57-2-(121)-72B
Zone: C2-Commercial

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

Survey Control Data Sheets IF thru IF(11)
Construction Alignment Data Sheets IG thru IG(11)
Geometric Data 1G(5C)
Typical Sections 2A thru 2A(4)
Demolition Plan 2K(3C)
Existing Drainage Descriptions 2K(11) thru 2K(21)
Proposed Drainage Descriptions 2K(11) thru 2K(21)
Profile Sheet Rte. 123 5D
Entrance Profiles 9 thru 9B

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
04/22/2014	VA.	-	0029-151-105 P101, P102, R201, C501	5C

DESIGN FEATURES RELATING TO CONSTRUCTION
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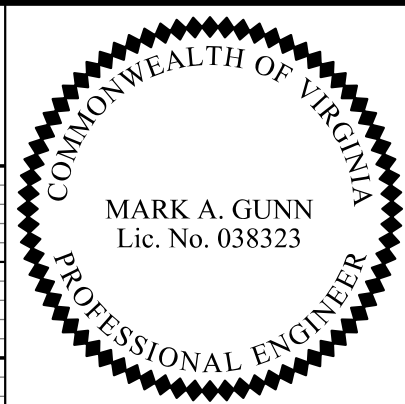
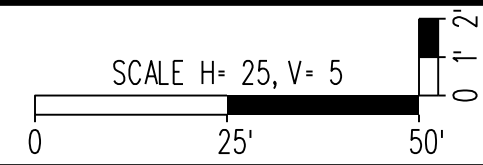
Match Line - Sheet 5

SCALE
0 25' 50'

PROJECT
0029-151-105

SHEET NO.
5C

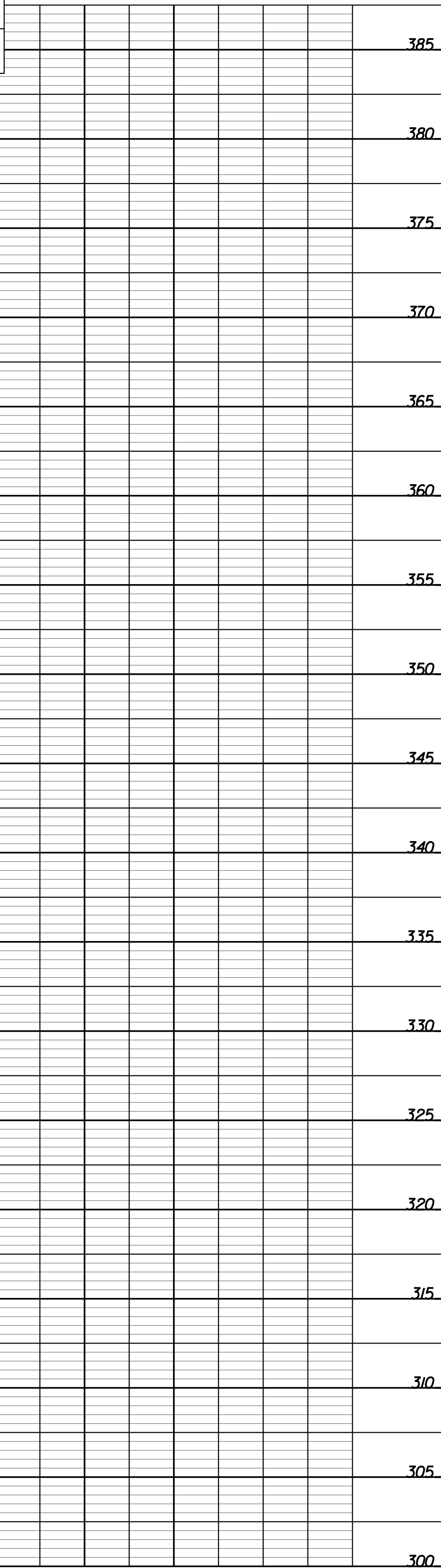
Rte. 123 Sta. 60+00 to Sta. 65+75



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

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	-	0029-15/I05, P101, P102, R201, C501	5D

DESIGN FEATURES RELATING TO CONSTRUCTION
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See Cross Sections
for E.P. Elevations

See Cross Sections
for E.P. Elevations

	PROJECT <i>0029-151-105</i>	SHEET NO. <i>5D</i>
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DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY PROVIDED BY AccuMark (2011)

**DIMITRIOS PATRIANAKOS AND
VASILIOS PATRIANAKOS**
DB 8904, PG 1517
0.5428 AC.
Tax* 57-2-(121)-20
Zone: C2-Commercial

**MCKAY FAMILY INVESTMENT
COMPANY, LLC**
DB 18653, PG 740
0.4442 AC.
Tax* 57-2-(121)-24A
And Tax* 57-2-(121)-24B
Zone: C2-Commercial

WPPI FAIRFAX RI, LLC
DB 20475, PG 494
2.5532 AC.
Tax* 57-2-(121)-25
Zone: C2-Commercial

COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER
Rinker Design Associates, P.C.
Manassas, Virginia
PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
04/22/2014	VA.	-		0029-151-105 P101, P102, R201, C501	5E

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
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R/W LEGEND

- Denotes Prop. Grading Agreement & Temp. Constr. Ease.
- Denotes Temp. Constr. Ease. for Entrance Grading
- Denotes Temp. Constr. Ease. for Demolition
- Denotes Prop. Permanent Utility Ease. for Cox, Dominion Virginia Power, Verizon
- Denotes Prop. Permanent Utility Ease. for Dominion Virginia Power, Verizon
- Denotes Prop. Permanent Utility Ease. for AT&T, Cox, Verizon
- Denotes Prop. Permanent Utility Ease. for Dominion Virginia Power
- Denotes Prop. Permanent Utility Ease. for Verizon

Roadway Design Legend

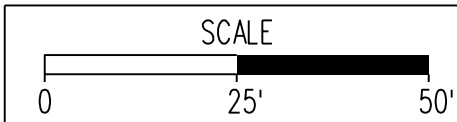
- Denotes S'd. CG-2 Req'd.
- Denotes S'd. Radial CG-2 Req'd.
- Denotes S'd. CG-6 Req'd.
- Denotes S'd. Radial CG-6 Req'd.
- Denotes S'd. MS-1A Req'd.
- Denotes S'd. MS-2 Req'd.
- Denotes S'd. 5' Conc. Sidewalk Req'd.
- Denotes S'd. CG-12, Type B Req'd.
- Denotes Tie to Existing Curb
- Denotes Tie to Existing Sidewalk
- Denotes S'd. Full Depth Saw Cut Req'd.
- Denotes Prop. Mast Arm Loc.

- PATTERN LEGEND**
- Full Depth Pavement
 - Denotes Mill and Overlay and/or Pavement Buildup
 - Denotes Demolition of Pavement
 - Denotes Construction Limits in Cut
 - Denotes Construction Limits in Fill

- Drainage Legend**
- Ex. Pipe/Str. To Remain
 - Ex. Pipe/Str. To Be Removed
 - Ex. Pipe To Be Plugged and Abandoned
 - S'd. UD-4
 - S'd. Outlet Pipe

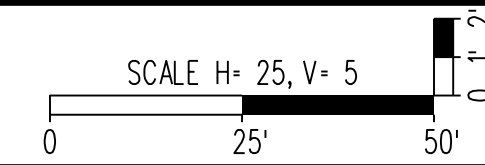
REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Survey Control Data Sheets IF thru IF11
Construction Alignment Data Sheets IG thru IG11
Curb Return Profiles IG12B
Geometric Data IG15C
Typical Sections 2A thru 2A41
Demolition Plan 2C(5E)
Existing Drainage Descriptions 2K
Proposed Drainage Descriptions 2K(1) thru 2K(2)
Profile Sheet Rte. 123 5F
Entrance Profiles 9 thru 9B



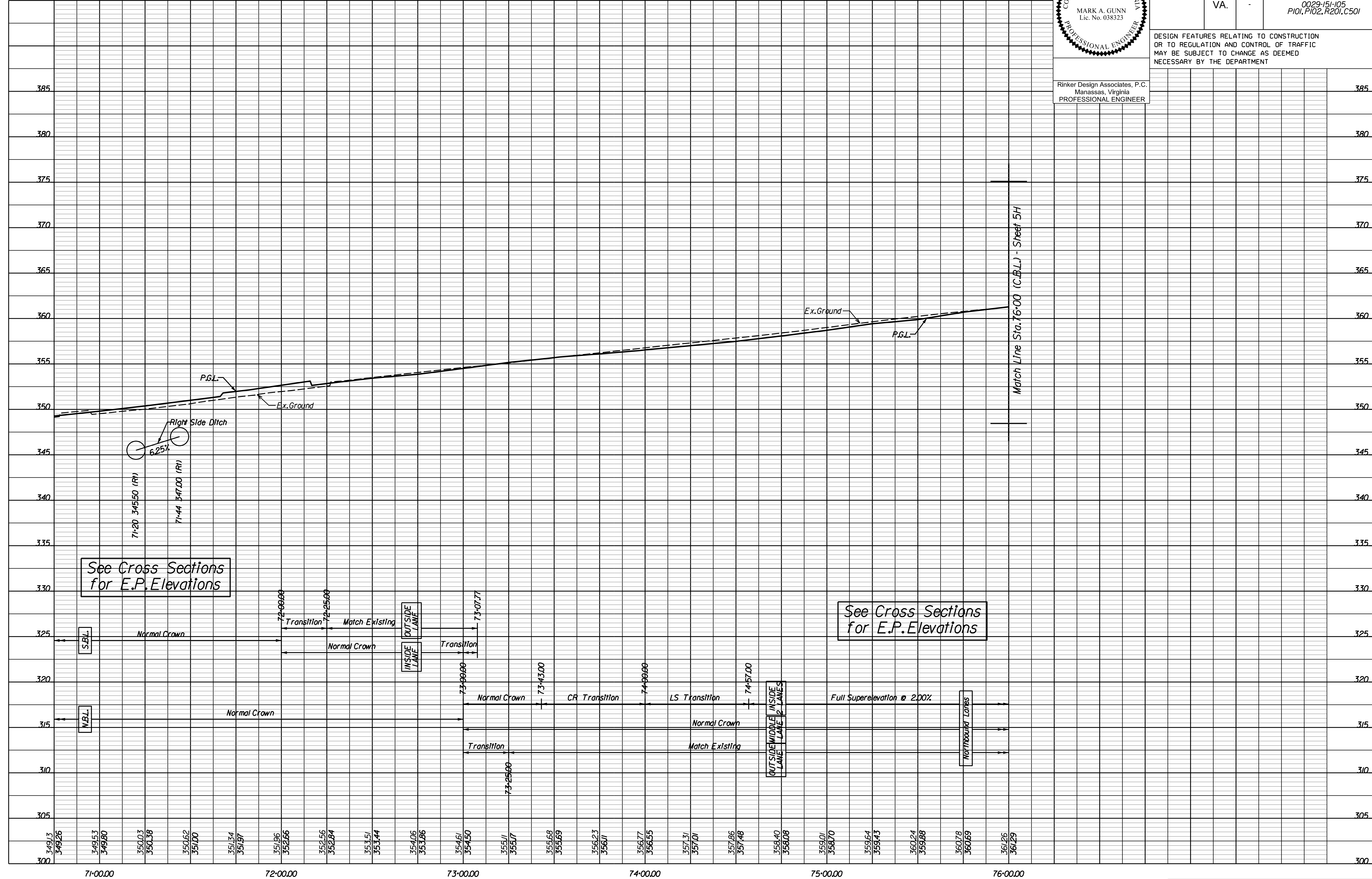
PROJECT	SHEET NO.
0029-151-105	5E

Rte.123 Sta.70+75 to Sta.76+00



REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	-	0029-151-05 P101, P102, R201, C501	5F

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



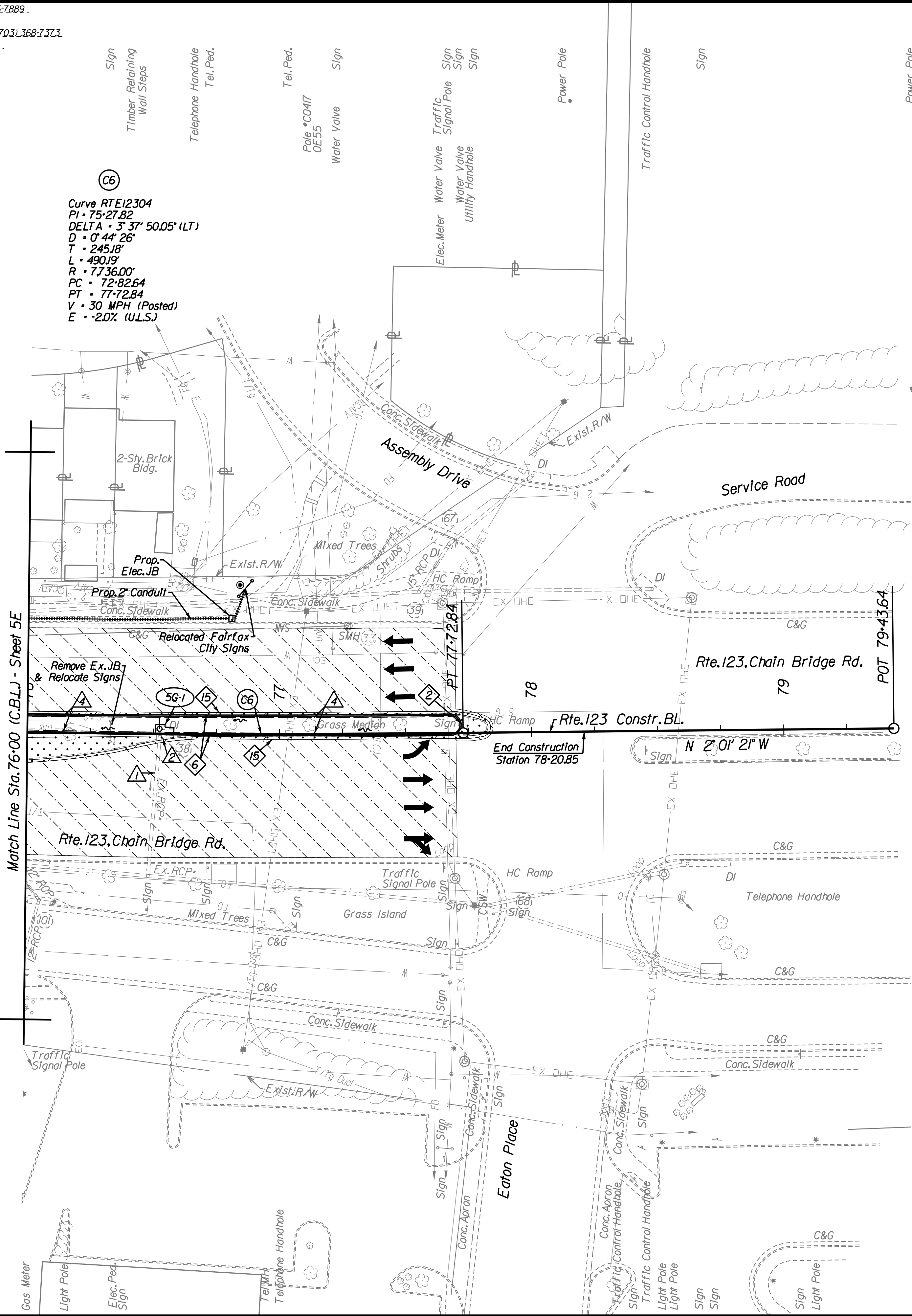
PROJECT
0029-151-105

SHEET NO.

5F

PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY PROVIDED BY AccuMark (2011) -----

Curve RTE12304
PI = 75+27.82
DELTA = 3° 37' 50.05" (LT)
D = 0° 44' 26"
T = 245.18'
L = 490.19'
R = 7736.00'
PC = 72+82.64
PT = 77+72.84
V = 30 MPH (Posted)
E = -2.0% (U.L.S.)



COMMONWEALTH OF VIRGINIA
MARK A. GUNN
Lic. No. 038323
PROFESSIONAL ENGINEER
Rinker Design Associates, P.C.
Manassas, Virginia
PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	-		0029-151-105 PI01, PI02, R201, C501	56

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
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Drainage Legend

- Ex. Pipe/Str. To Remain
- Ex. Pipe/Str. To Be Removed
- SI'd. UD-4

Utility Owners:
(See Sheet 3 For
Contact Information)

Roadway Design Legend

- Denotes SI'd. Radial CG-2 Req'd.
- Denotes SI'd. MS-2 Req'd.
- Denotes SI'd. Full Depth Saw Cut Req'd.
- Denotes Prop. Mast Arm Loc.

PATTERN LEGEND

- Full Depth Pavement
- Denotes Mill and Overlay
and/or Pavement Buildup
- Demolition of
Pavement

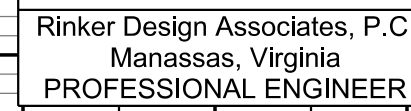
- Denotes Construction Limits In Cut
- Denotes Construction Limits In Fill

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

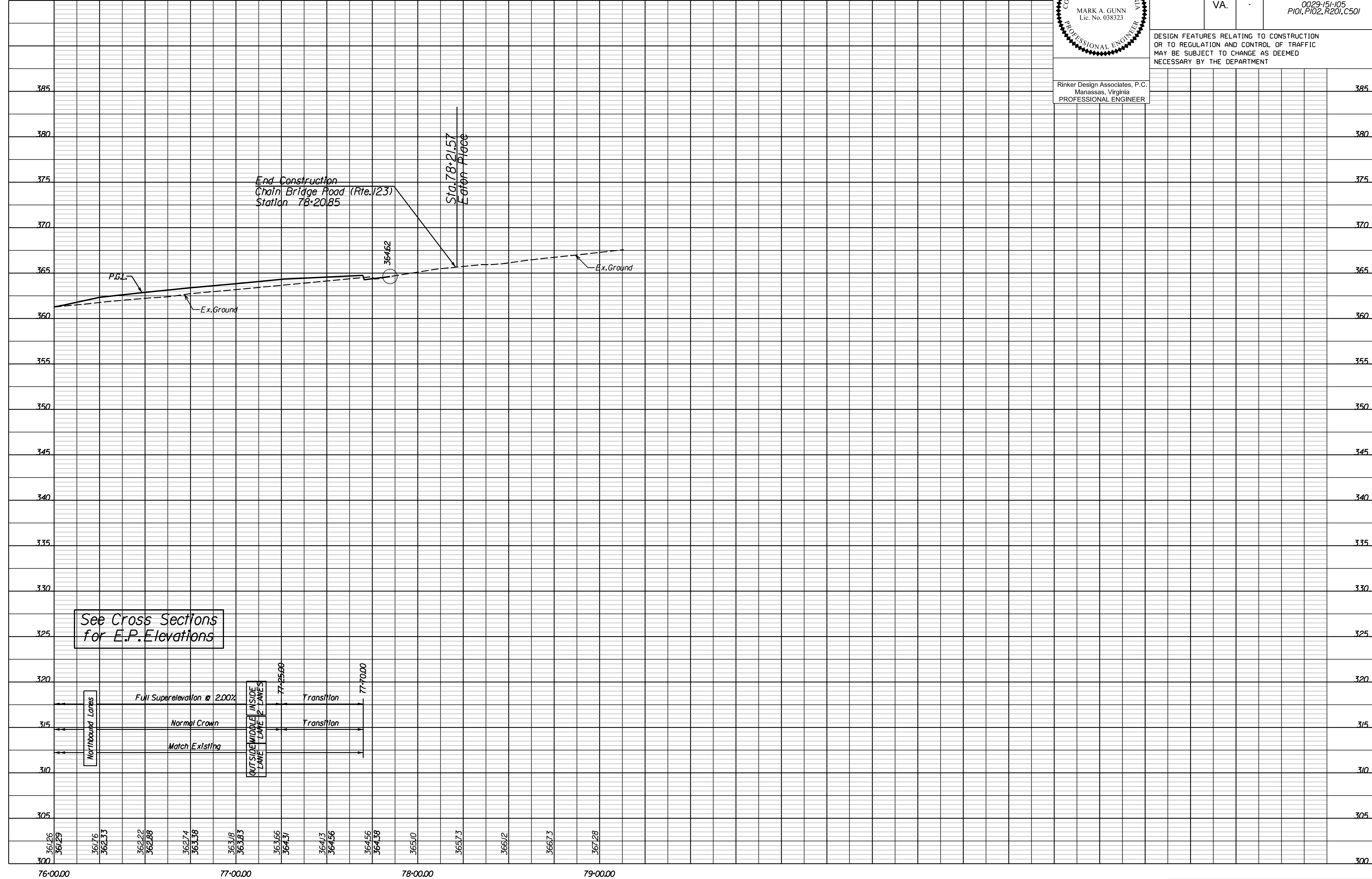
Survey Control Data Sheets	IF thru IF(11)
Construction Alignment	1G thru 1G(11)
Data Sheets	1G thru 1G(50)
Geometric Plan	2A thru 2A(4)
Typical Sections	20(50)
Demolition Plan	2K
Existing Drainage Descriptions	2K(1) thru 2K(2)
Proposed Drainage Descriptions	5H
Profile Sheet Rte. 123	9 thru 9B
Entrance Profiles	

PROJECT	SHEET NO.
0029-151-105	56

SCALE H= 25, V= 5

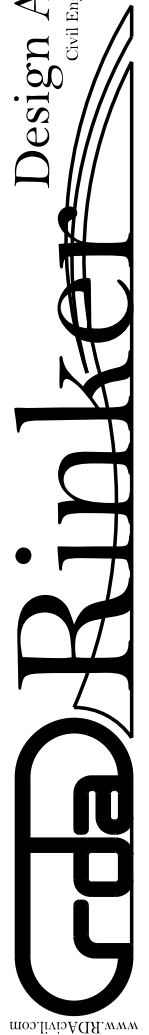


REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	-	0029-151-105, P101, P102, R201, C501	5H

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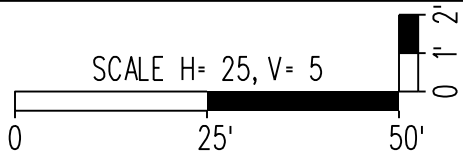
	PROJECT 0029-151-105	SHEET NO. 5H
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PROJECT	SHEET NO.
0029-151-105	6



PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889 -
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373. (2011) -
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373.
SUBSURFACE UTILITY PROVIDED BY AccuMark (2011) - - - - -

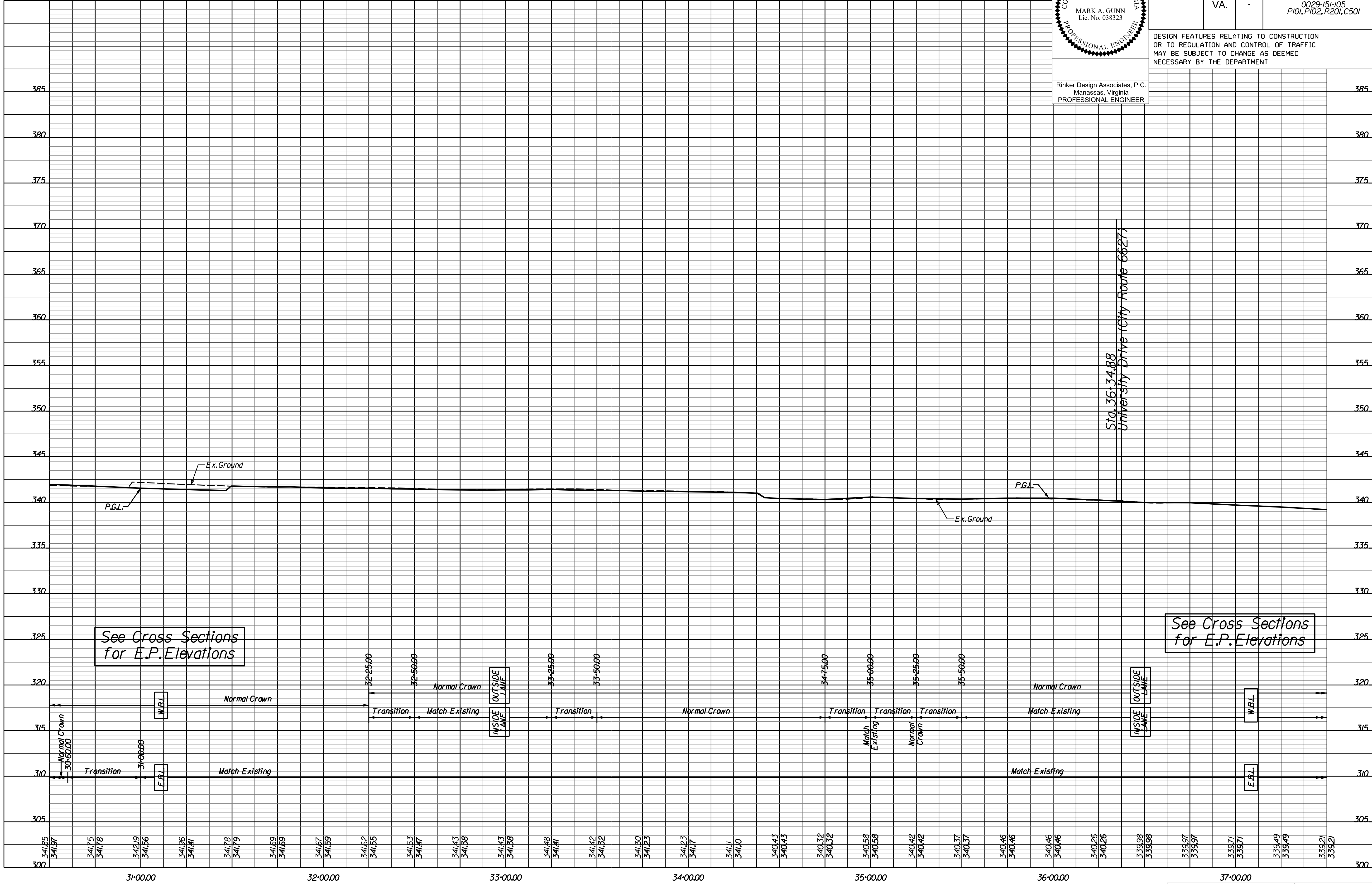
U.S. Rte. 29/50 Sta. 30+50 to Sta. 37+50



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PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	-		0029-151-105 P101, P102, R201, C501	6A

DESIGN FEATURES RELATING TO CONSTRUCTION
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See Cross Sections
for E.P. Elevations

See Cross Sections
for E.P. Elevations

PROJECT	SHEET NO.
0029-151-105	6A

PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY PROVIDED BY AccuMark (2011)

Office Locations
Rinker Design Associates, P.C.
Civil Engineering
Transportation - Environmental
Right of Way Services

Roadway Design Legend

- 1 - Denotes S'd, CG-2 Req'd.
- 2 - Denotes S'd, Radial CG-2 Req'd.
- 3 - Denotes S'd, CG-6 Req'd.
- 7 - Denotes S'd, 5' Conc. Sidewalk Req'd.
- 15 - Denotes S'd, Full Depth Saw Cut Req'd.
- 17 - Denotes S'd, MS-1 Req'd.
- C - Denotes Construction Limits In Cut
- F - Denotes Construction Limits In Fill

FAIRFAX REGENCY, LLC
DB 19329, PG 1549
0.57719 AC.
Tax* 57-2-(12)-29
Zone: C2-Commercial

FAIRFAX REGENCY, LLC
DB 19329, PG 1549
0.130 AC.
Tax* 57-2-(12)-30
Zone: C2-Commercial

FAIRFAX REGENCY, LLC
DB 19329, PG 1549
0.1091 AC.
Tax* 57-2-(12)-31
Zone: C2-Commercial

RPB WILLOW WOOD I LLC
DB 18493, PG 485
0.4293 AC.
Tax* 47-4-(12)-2-A
Zone: C2-Commercial

CARMEL LODGING, L.L.C.
DB 17651, PG 922
1.7136 AC.
Tax* 57-2-(12)-40B
Zone: C2-Commercial

ARCP RL PORTFOLIO III, LLC
DB 4571, PG 330
1.9267 AC.
Tax* 57-2-(12)-40A
Zone: C2-Commercial

Drainage Legend

- 1 - Ex. Pipe/Str. To Remain
- 2 - Ex. Pipe/Str. To Be Removed
- 3 - Ex. Pipe To Be Plugged and Abandoned
- 4 - S'd, UD-4
- 6 - S'd, Outlet Pipe
- 7 - Ex. Pipe To Be Capped only (without flowable backfill)

PATTERN LEGEND

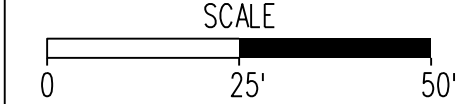
- Full Depth Pavement
- Denotes Mill and Overlay and/or Pavement Buildup
- Demolition of Pavement

R/W LEGEND

- 1 - Denotes Prop. Permanent Storm Drainage Easement
- 2 - Denotes Prop. Grading Agreement & Temp. Constr. Easement
- 17 - Denotes Prop. Permanent Sanitary Sewer Utility Easement for the City of Fairfax
- U2A - Denotes Prop. Permanent Waterline Utility Easement for Fairfax Water

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

Survey Control Data Sheets	IF thru IF(1)
Construction Alignment Data Sheets	IG thru IG(1)
Geometric Data	IG(7)
Typical Sections	2A thru 2A(4)
Demolition Plan	2K
Existing Drainage Descriptions	2K(1) thru 2K(2)
Proposed Drainage Descriptions	2L thru 2L(3)
Box Culvert Plan & Profile	7A
Profile Sheet U.S. Rte. 29/50	9 thru 9B
Entrance Profiles	



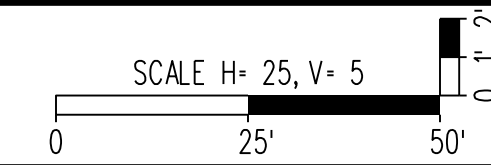
PROJECT
0029-151-105

SHEET NO.
7



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Manassas, Virginia
PROFESSIONAL ENGINEER

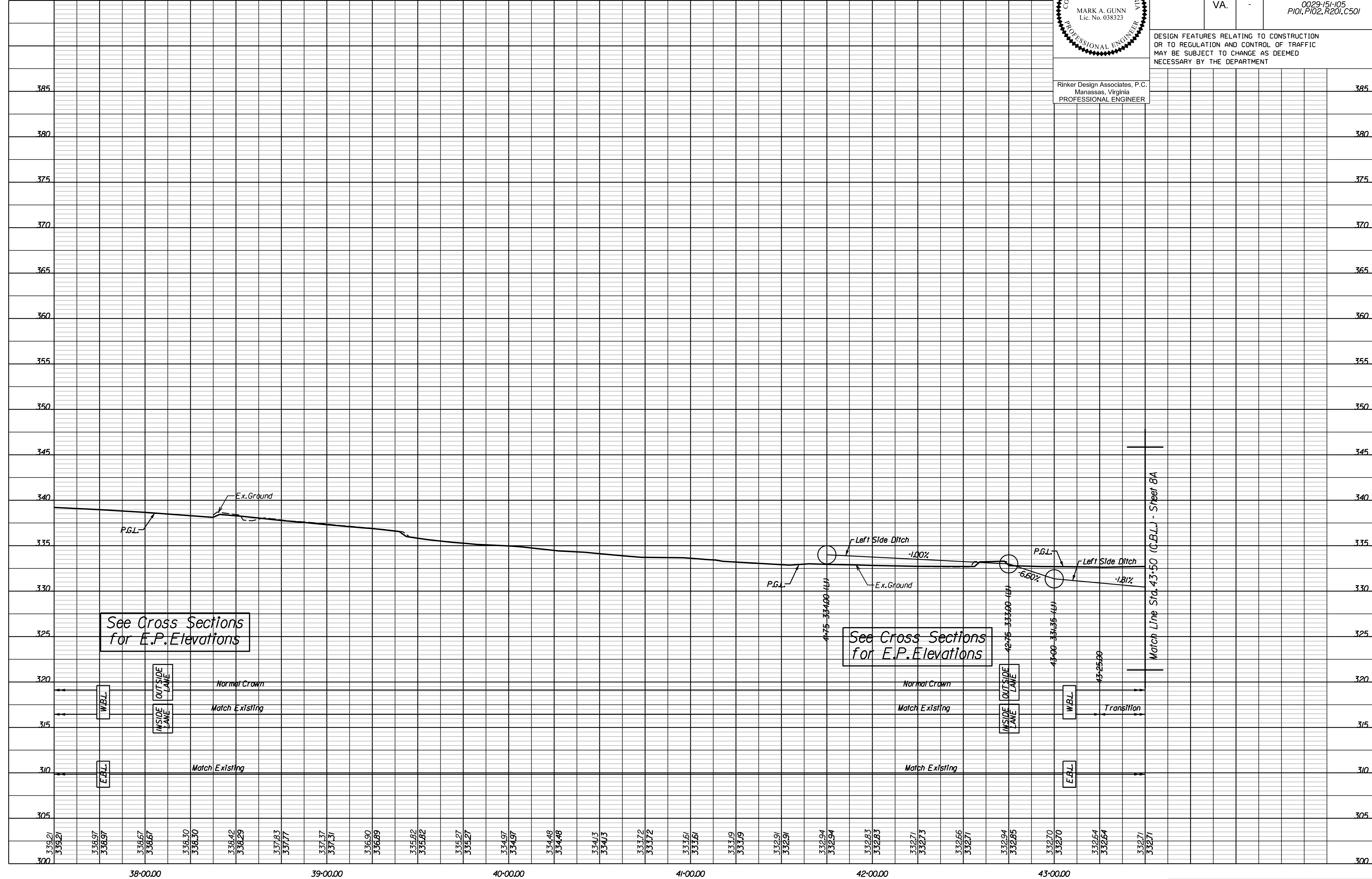
U.S. Rte. 29/50 Sta. 37+50 to Sta. 43+50



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PROFESSIONAL ENGINEER

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	-	0029-15105 P101,P102,R201,C501	7A

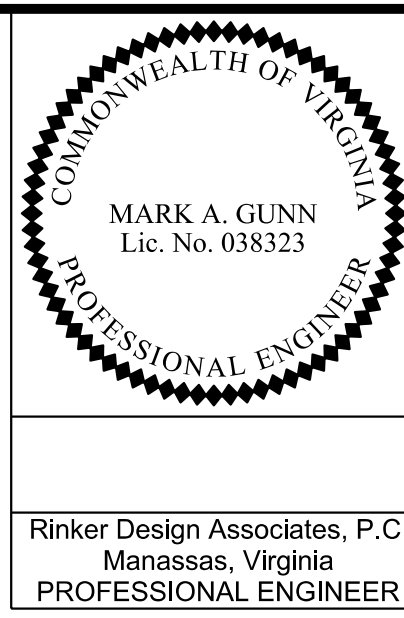
DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT



	PROJECT 0029-151-105	SHEET NO. 7A
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Office Locations
Design Associates, P.C.
10000 Rte. 28
Manassas, VA 20108
Tel: 703.368.7373
Fax: 703.368.7373
www.rinker.com

PROJECT MANAGER Wendy Black Sanford, City of Fairfax (703) 385-7889
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY PROVIDED BY AccuMark (2011)



REVISED	STATE	ROUTE	PROJECT	SHEET NO.
04/22/2014 09/15/2014	VA.	-	0029-151-105 PI01, PI02, R201, C501, D601	8

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

PATTERN LEGEND

- Full Depth Pavement
- Denotes Mill and Overlay and/or Pavement Buildup
- Demolition of Pavement

Utility Owners:
(See Sheet 3 For Contact Information)

R/W LEGEND

- Denotes Prop. Permanent Storm Drainage Easement
- Denotes Prop. Grading Agreement & Temp. Constr. Easement
- Denotes Prop. Permanent Signal Easement
- Denotes Prop. Permanent Sanitary Sewer Utility Easement for the City of Fairfax

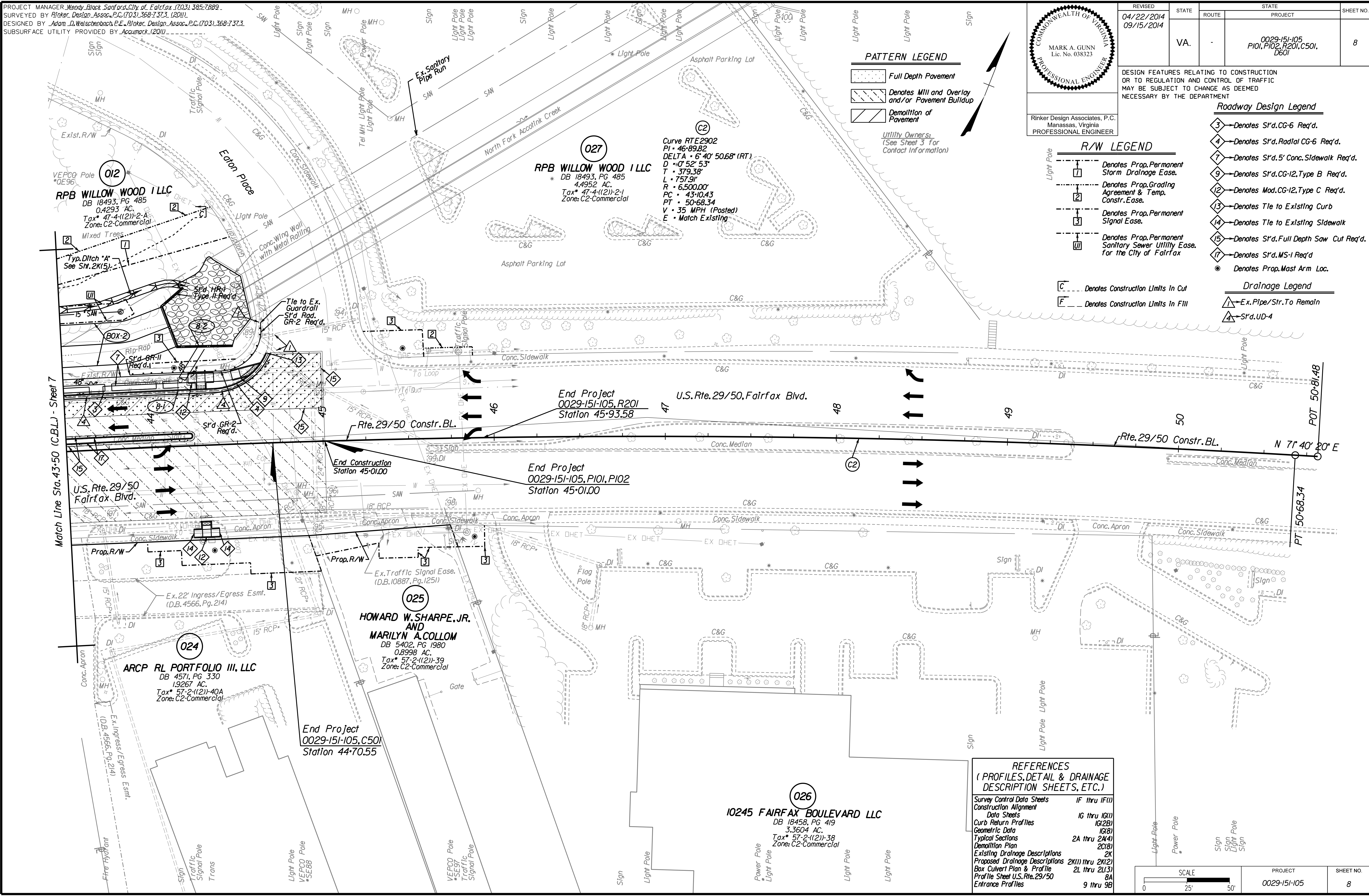
Roadway Design Legend

- Denotes S'd. CG-6 Req'd.
- Denotes S'd. Radial CG-6 Req'd.
- Denotes S'd. 5' Conc. Sidewalk Req'd.
- Denotes S'd. CG-12, Type B Req'd.
- Denotes Mod. CG-12, Type C Req'd.
- Denotes Tie to Existing Curb
- Denotes Tie to Existing Sidewalk
- Denotes S'd. Full Depth Saw Cut Req'd.
- Denotes S'd. MS-1 Req'd.
- Denotes Prop. Mast Arm Loc.

Drainage Legend

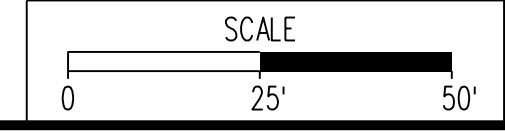
- Ex. Pipe/Str. To Remain
- S'd. UD-4

- Denotes Construction Limits in Cut
- Denotes Construction Limits in Fill



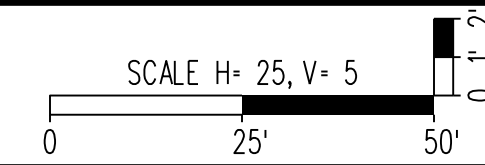
REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

- Survey Control Data Sheets IF thru IF(II)
- Construction Alignment Data Sheets IG thru IG(II)
- Curb Return Profiles IG(2B)
- Geometric Data IG(3)
- Typical Sections 2A thru 2A(4)
- Demolition Plan 2C(2)
- Existing Drainage Descriptions 2K(1) thru 2K(2)
- Proposed Drainage Descriptions 2L thru 2L(3)
- Box Culvert Plan & Profile 2L thru 2L(3)
- Profile Sheet U.S. Rte. 29/50 8A
- Entrance Profiles 9 thru 9B



PROJECT	SHEET NO.
0029-151-105	8

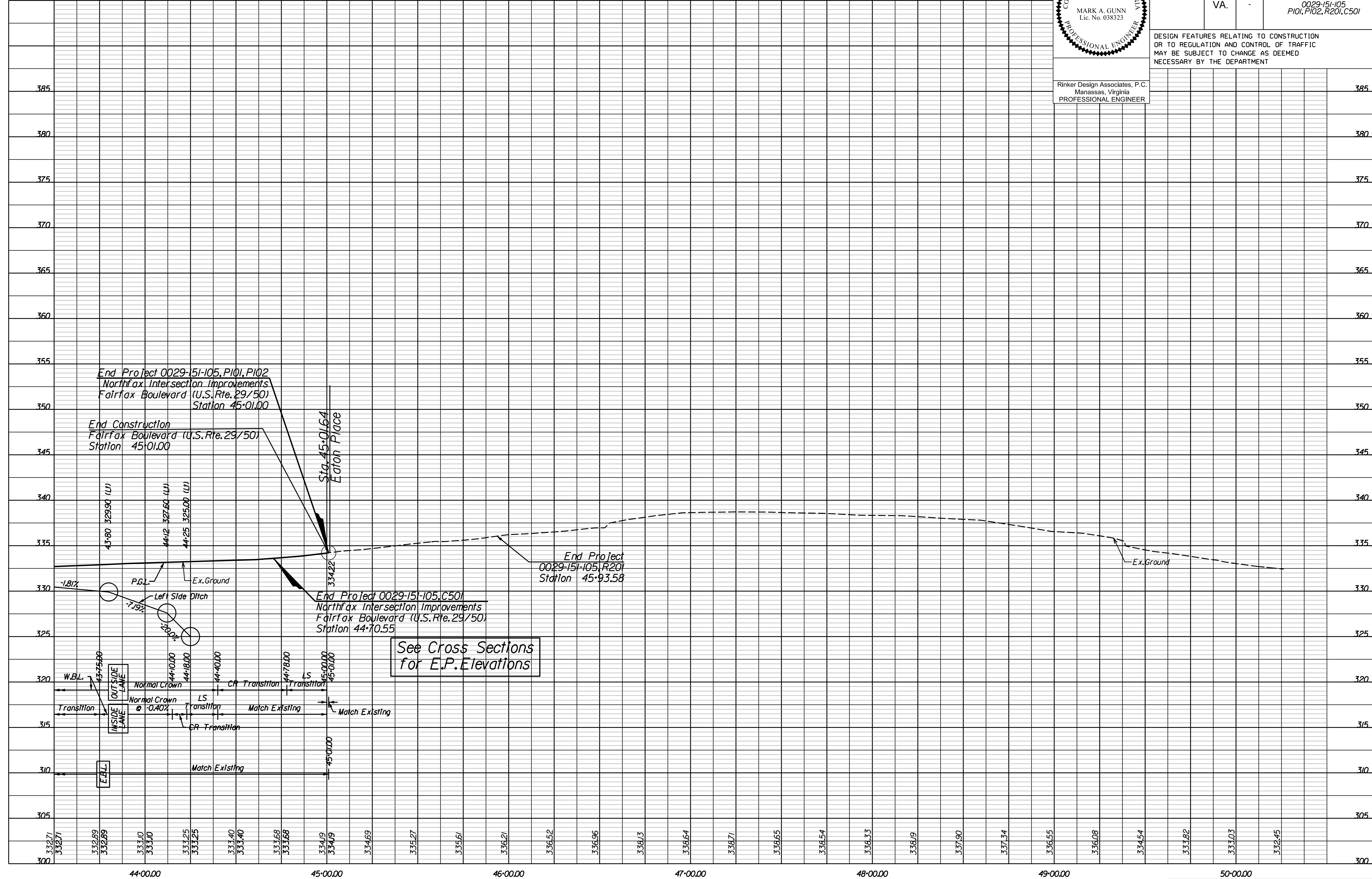
U.S. Rte. 29/50 Sta. 43+50 to Sta. 45+01.86



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

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	-	0029-151-05 P101, P102, R201, C501	8A

DESIGN FEATURES RELATING TO CONSTRUCTION
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NECESSARY BY THE DEPARTMENT



	PROJECT <i>0029-151-105</i>	SHEET NO. <i>8A</i>
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PROJECT MANAGER Wendy Black Sanford, City of Fairfax (703) 385-7889
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY PROVIDED BY Accumark (2011)-----

Entrance Profiles

COMMONWEALTH OF VIRGINIA

MARK A. GUNN

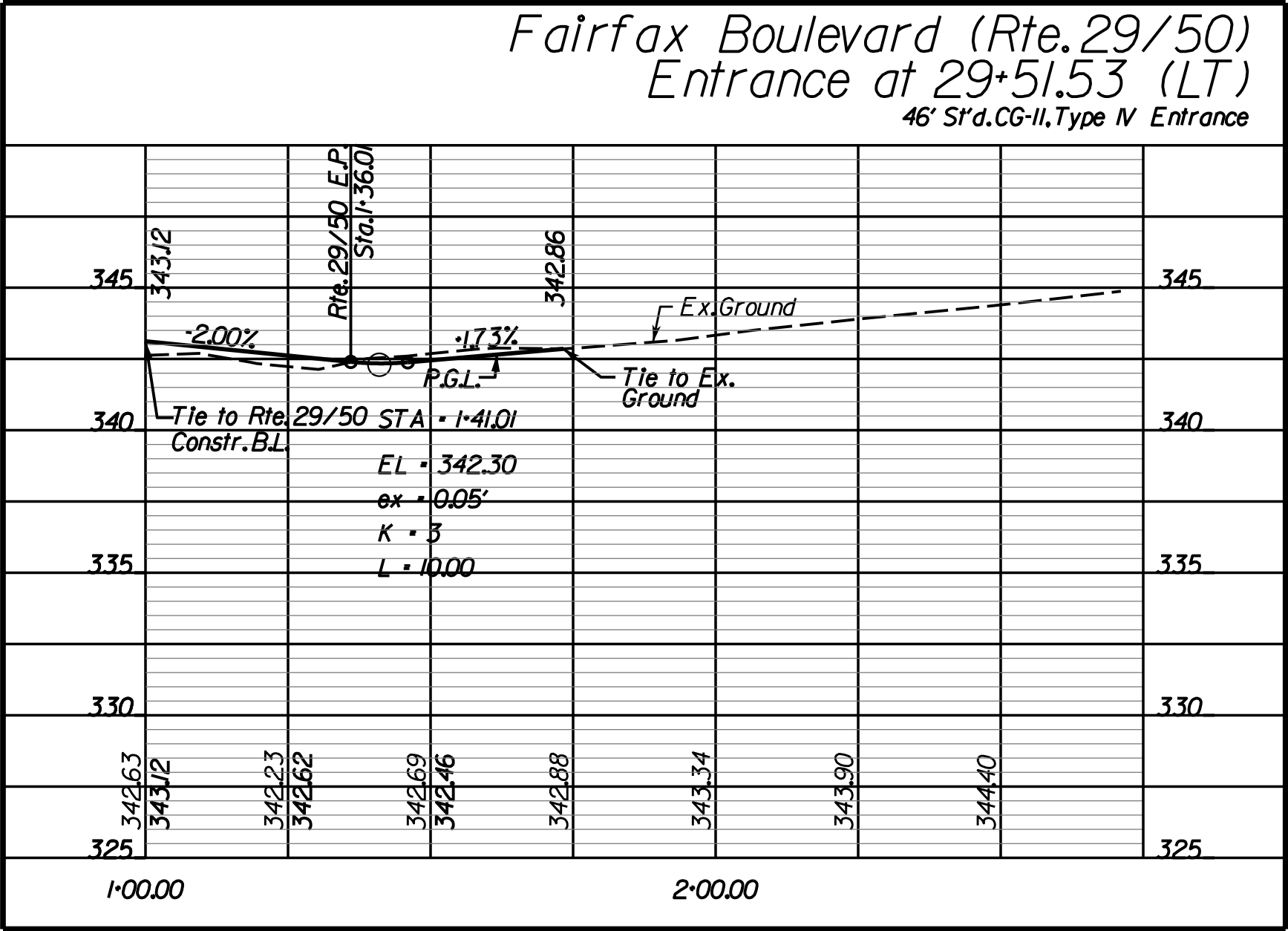
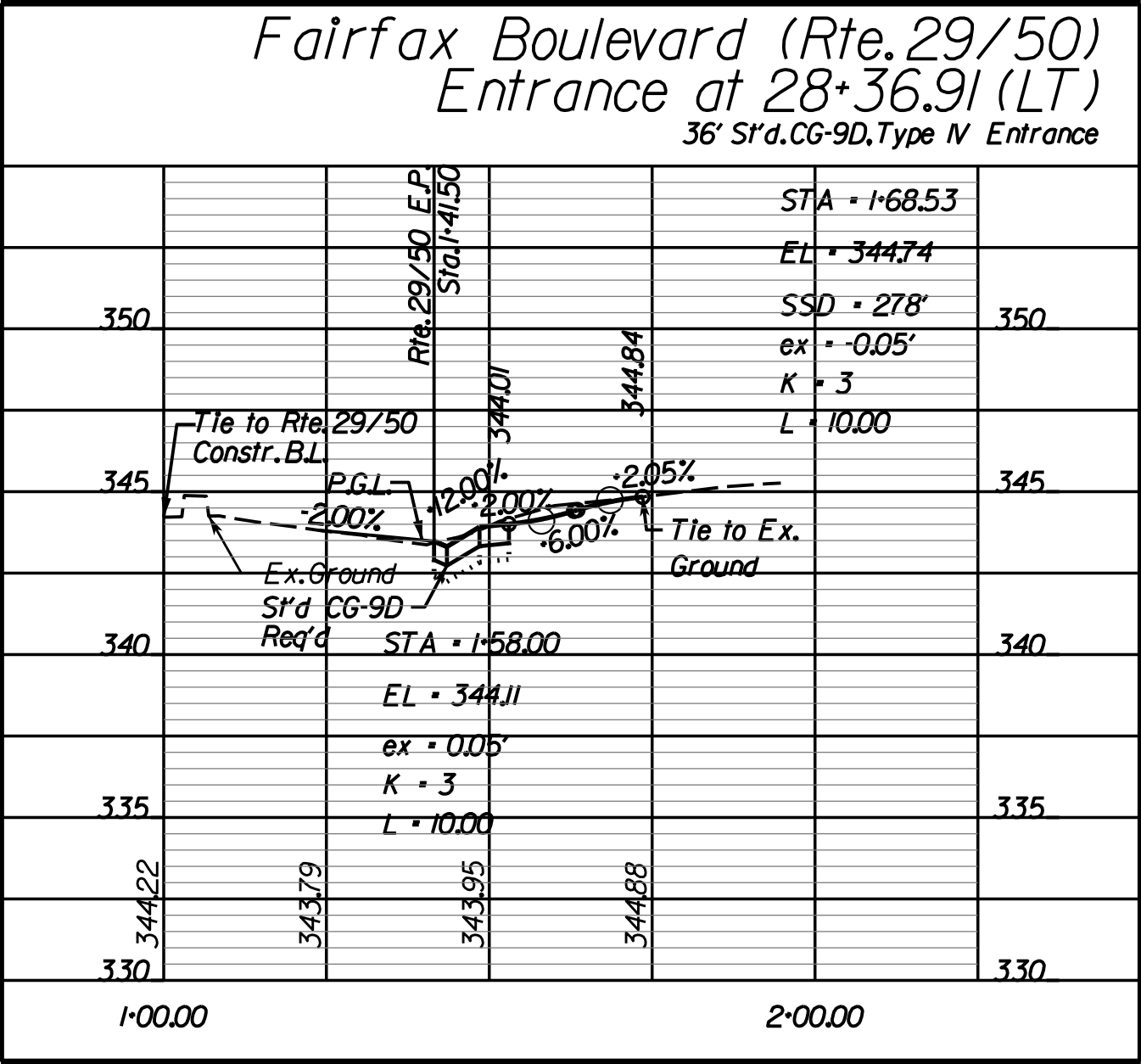
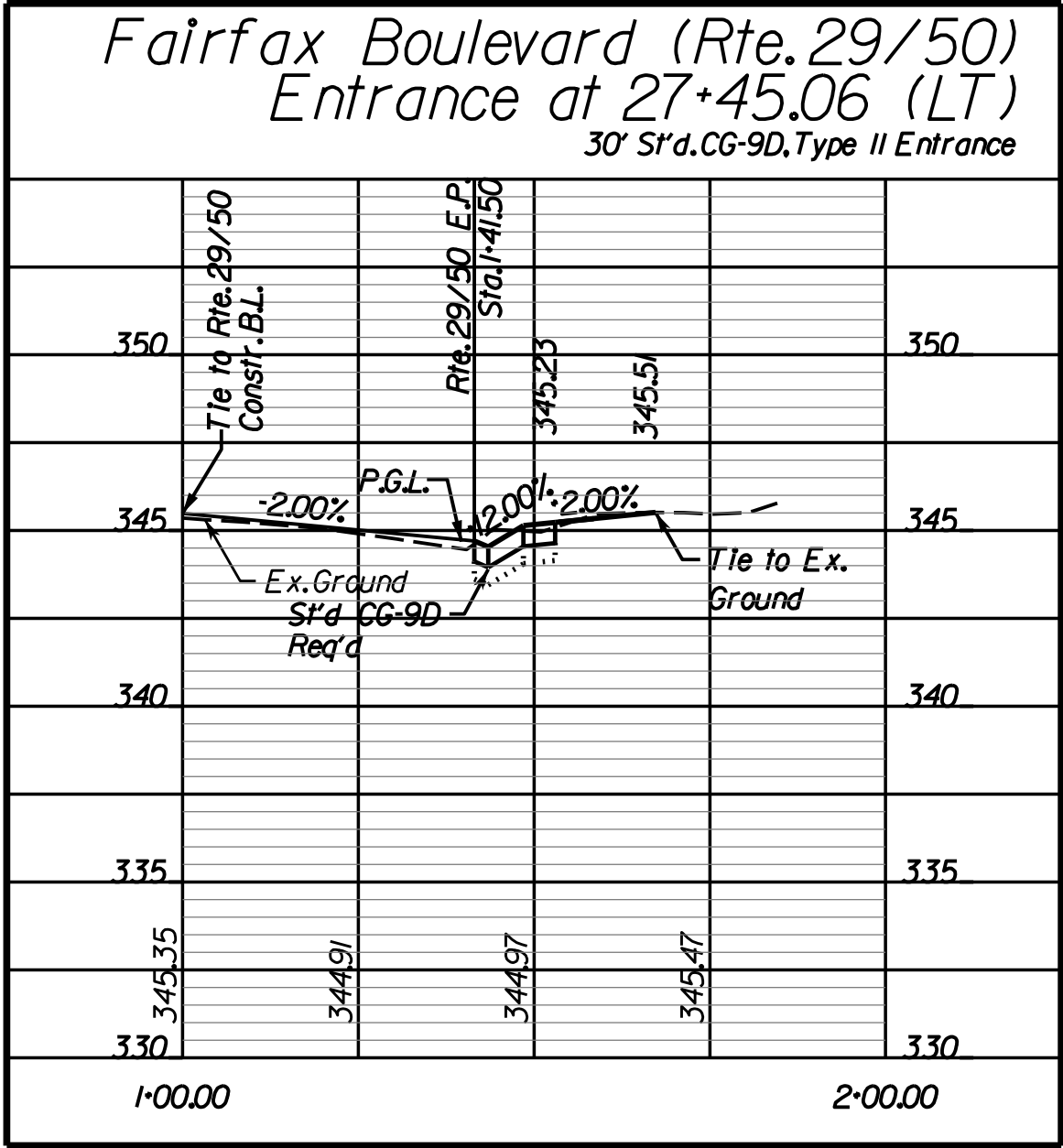
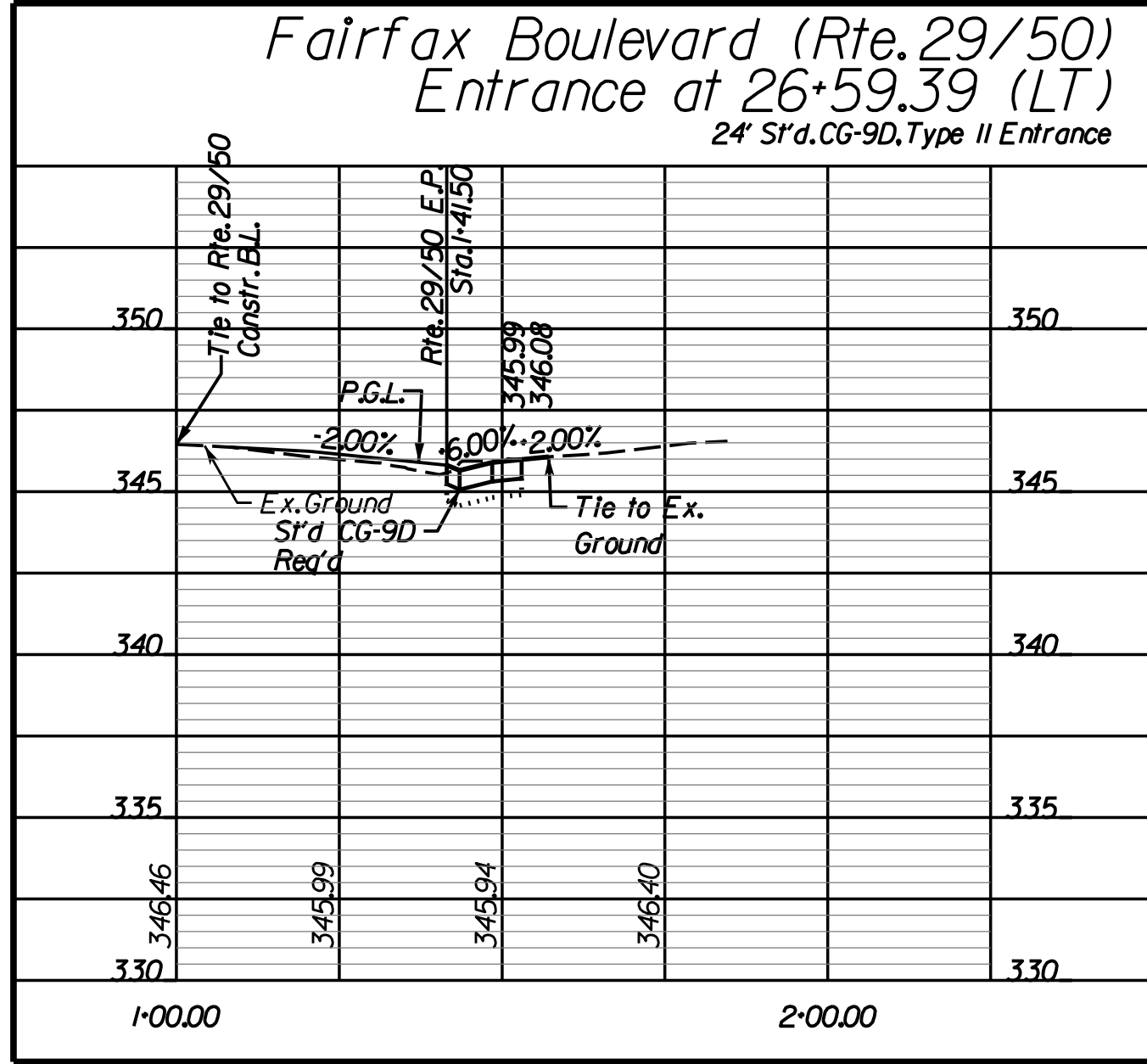
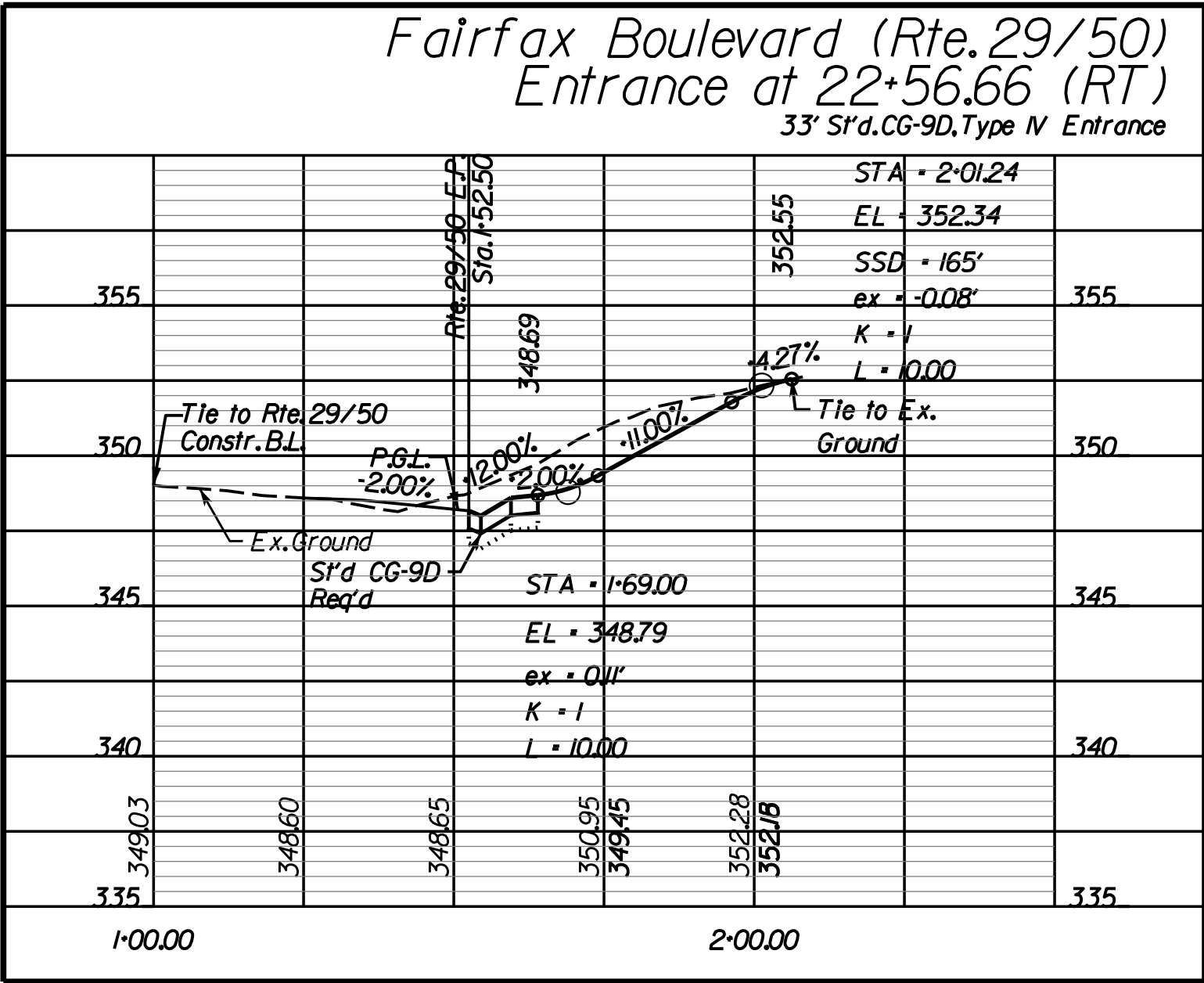
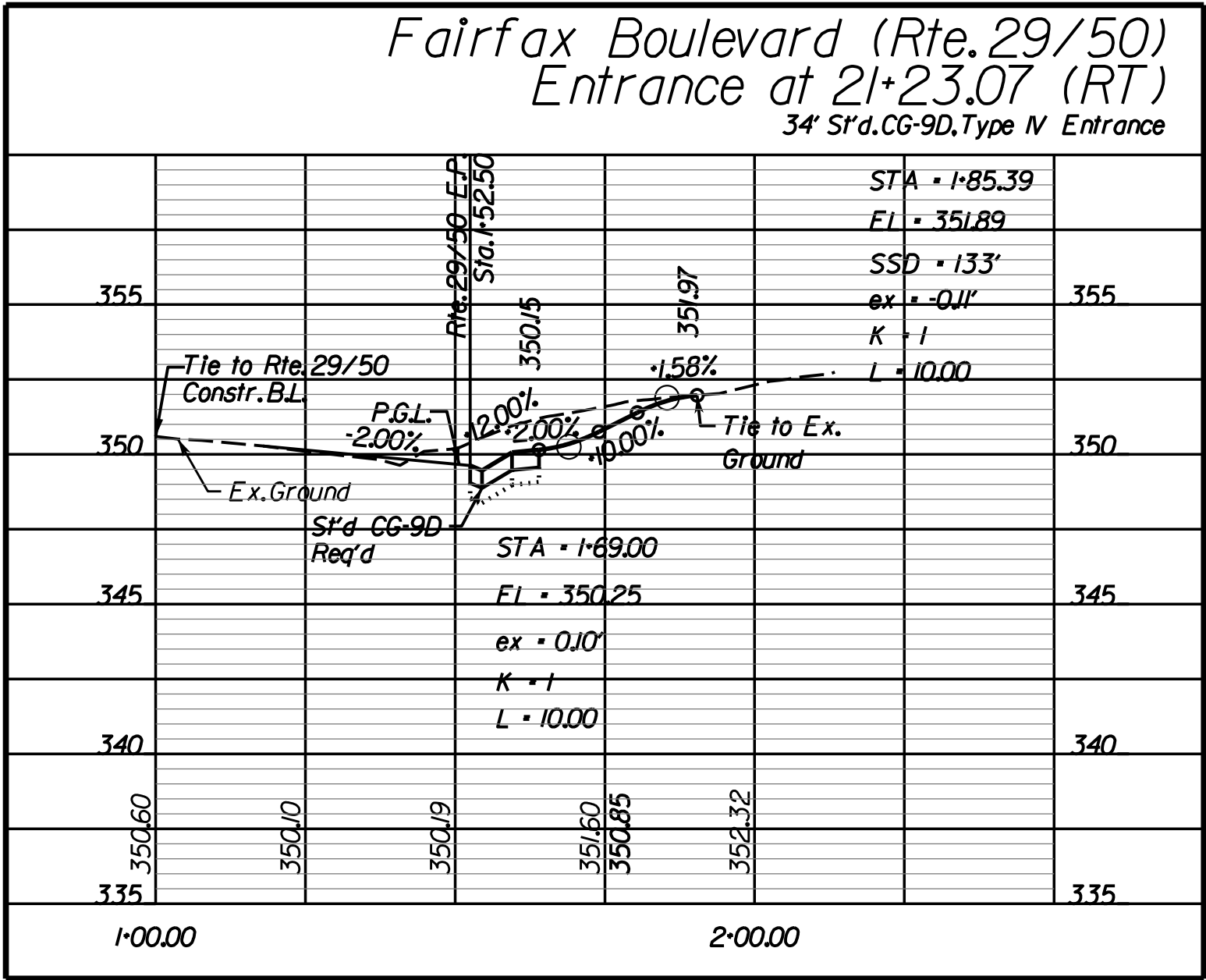
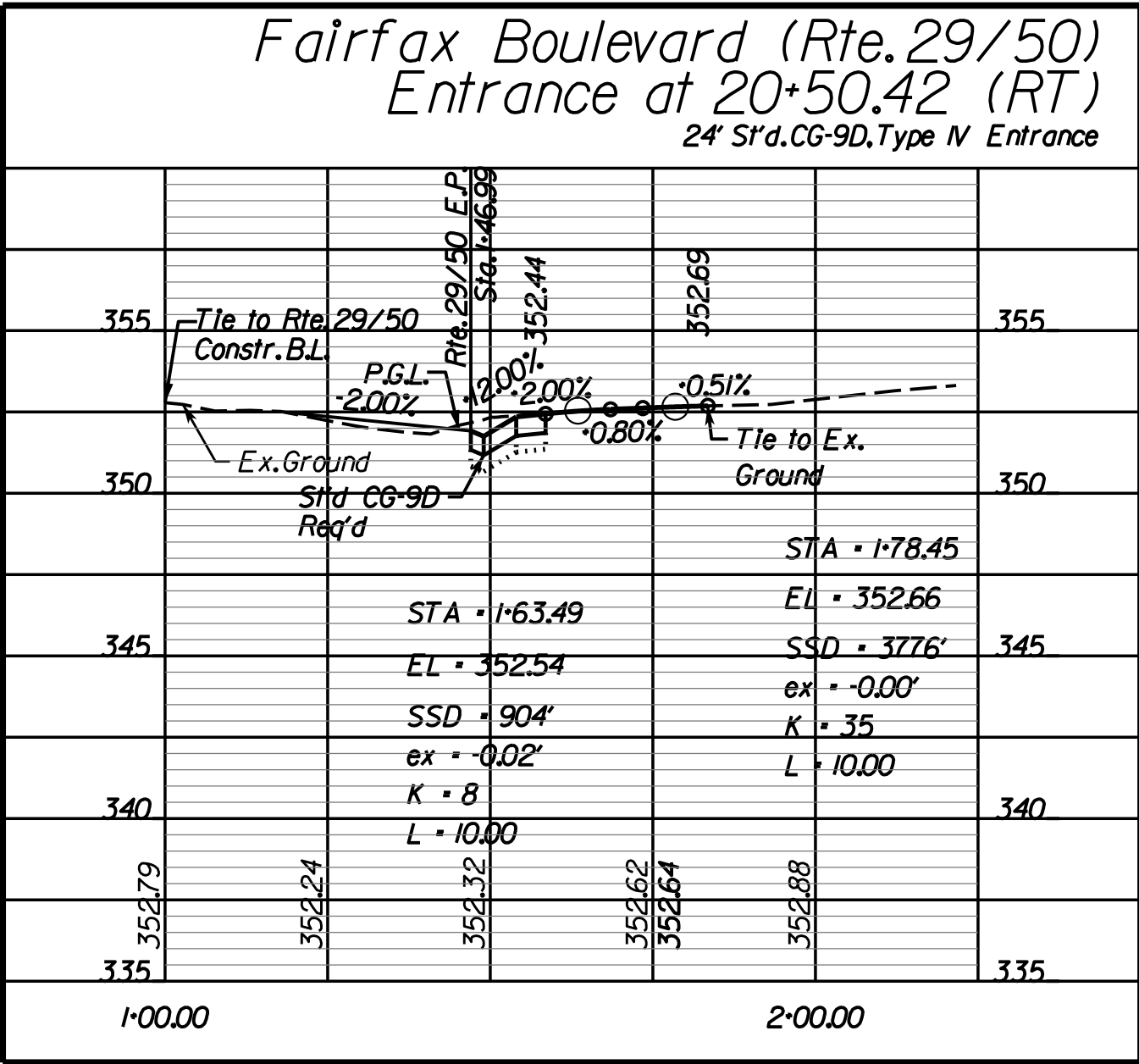
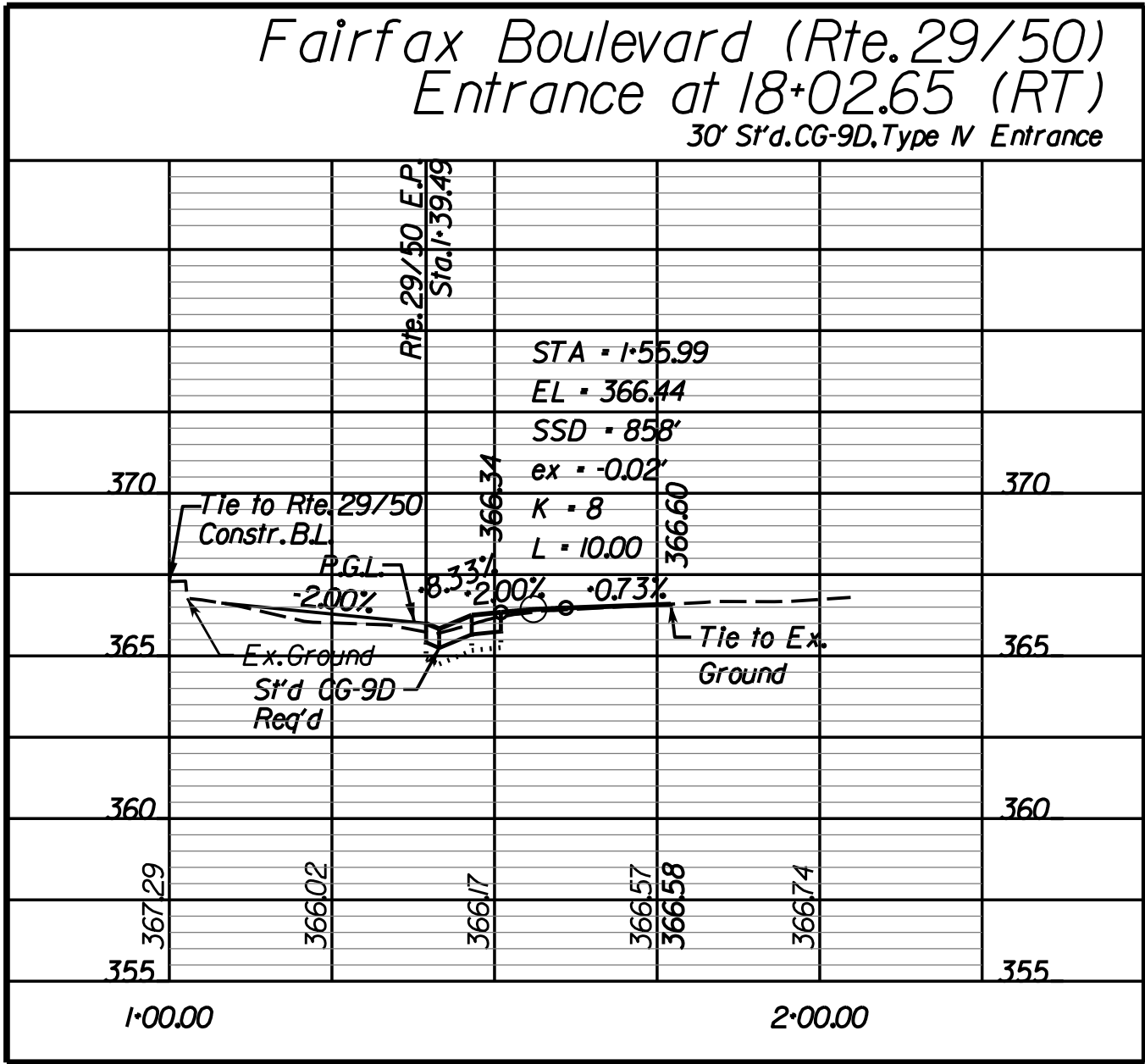
Lic. No. 038323

PROFESSIONAL ENGINEER

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

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	-		002915H105 P101, P102, R201, C501	9

DESIGN FEATURES RELATING TO CONSTRUCTION
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PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY PROVIDED BY AccuMark (2011)-----

Entrance Profiles Cont.

COMMONWEALTH OF VIRGINIA

MARK A. GUNN

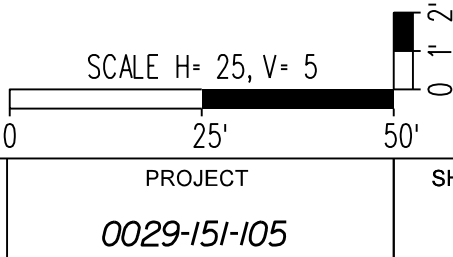
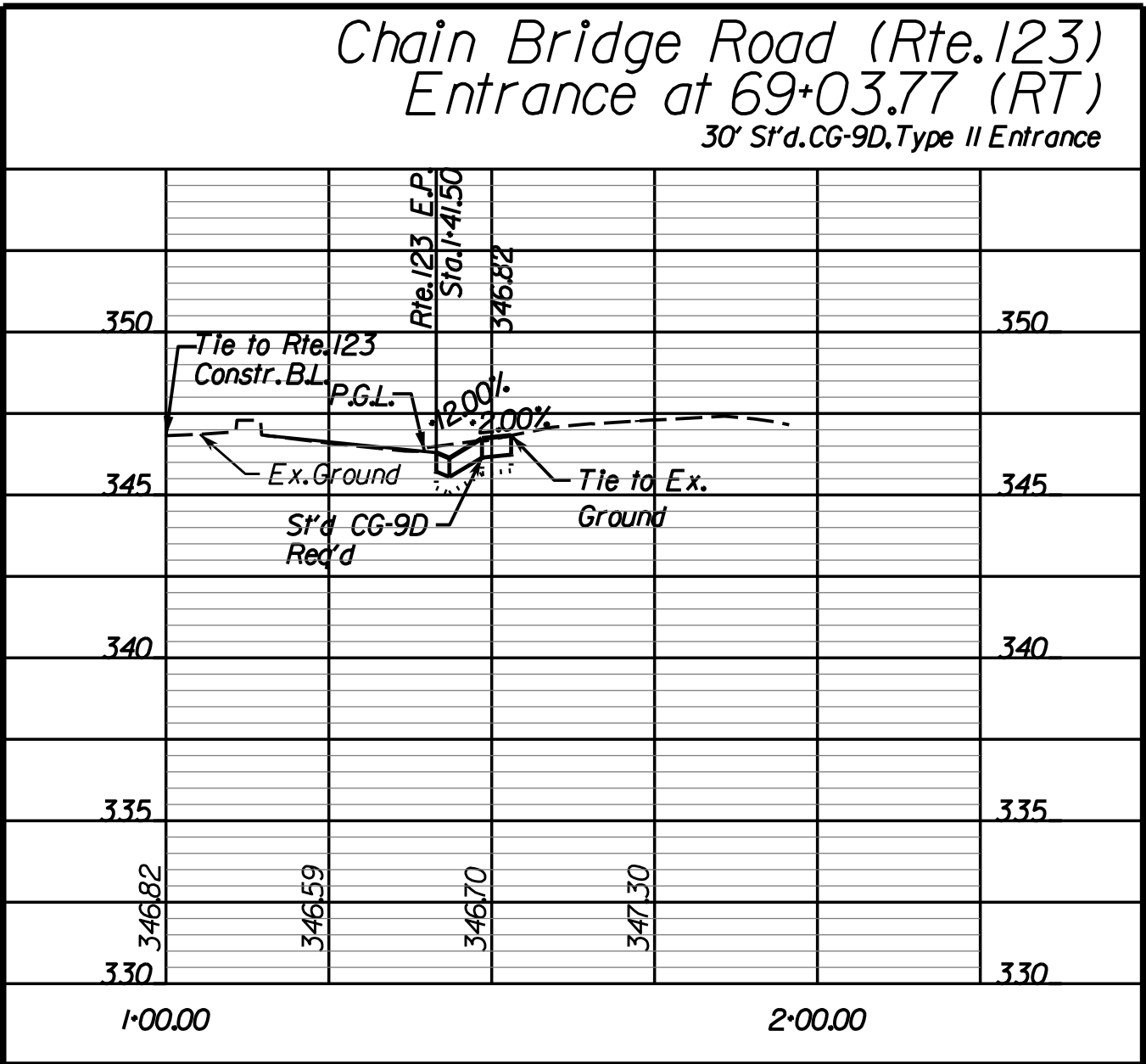
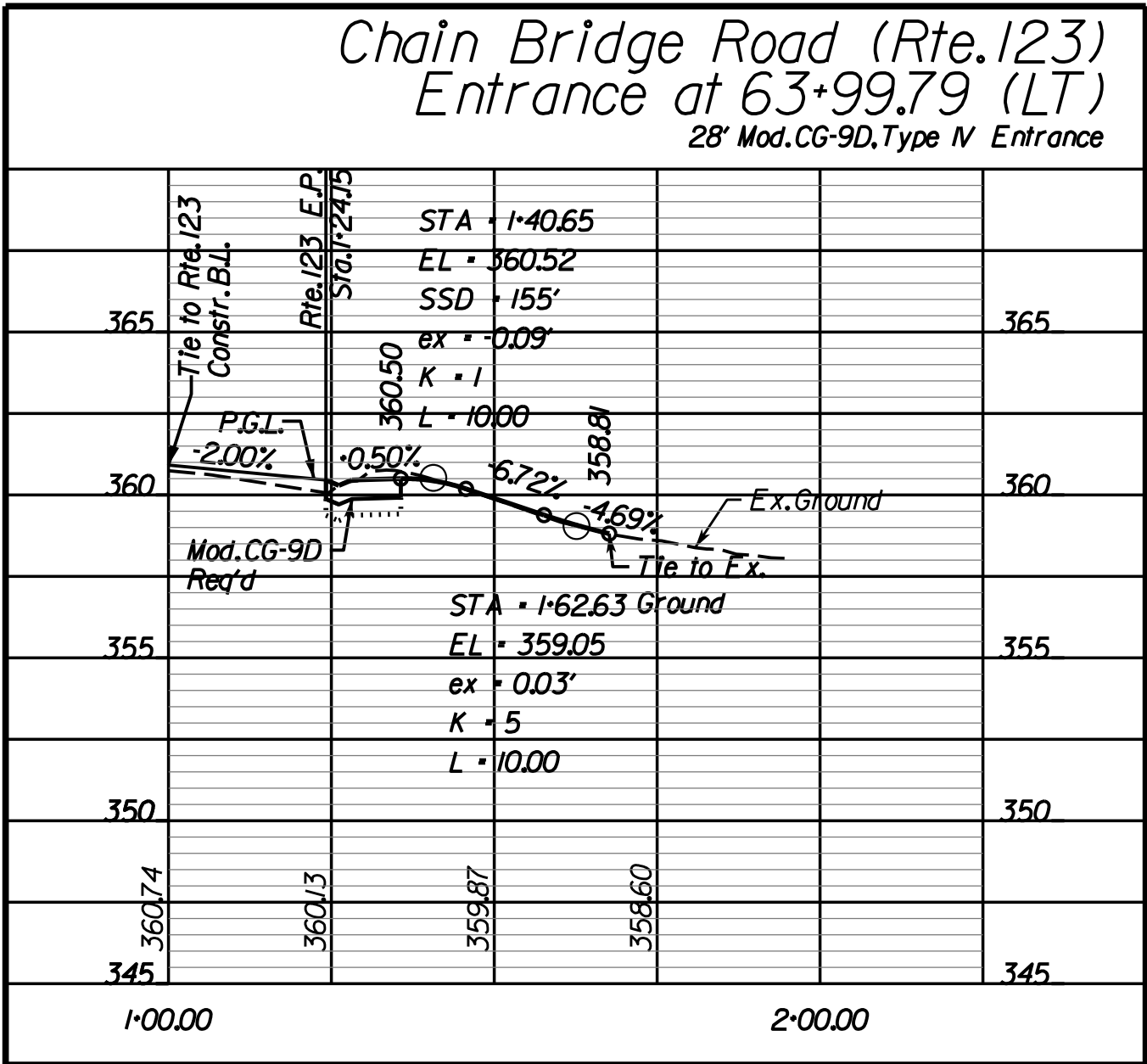
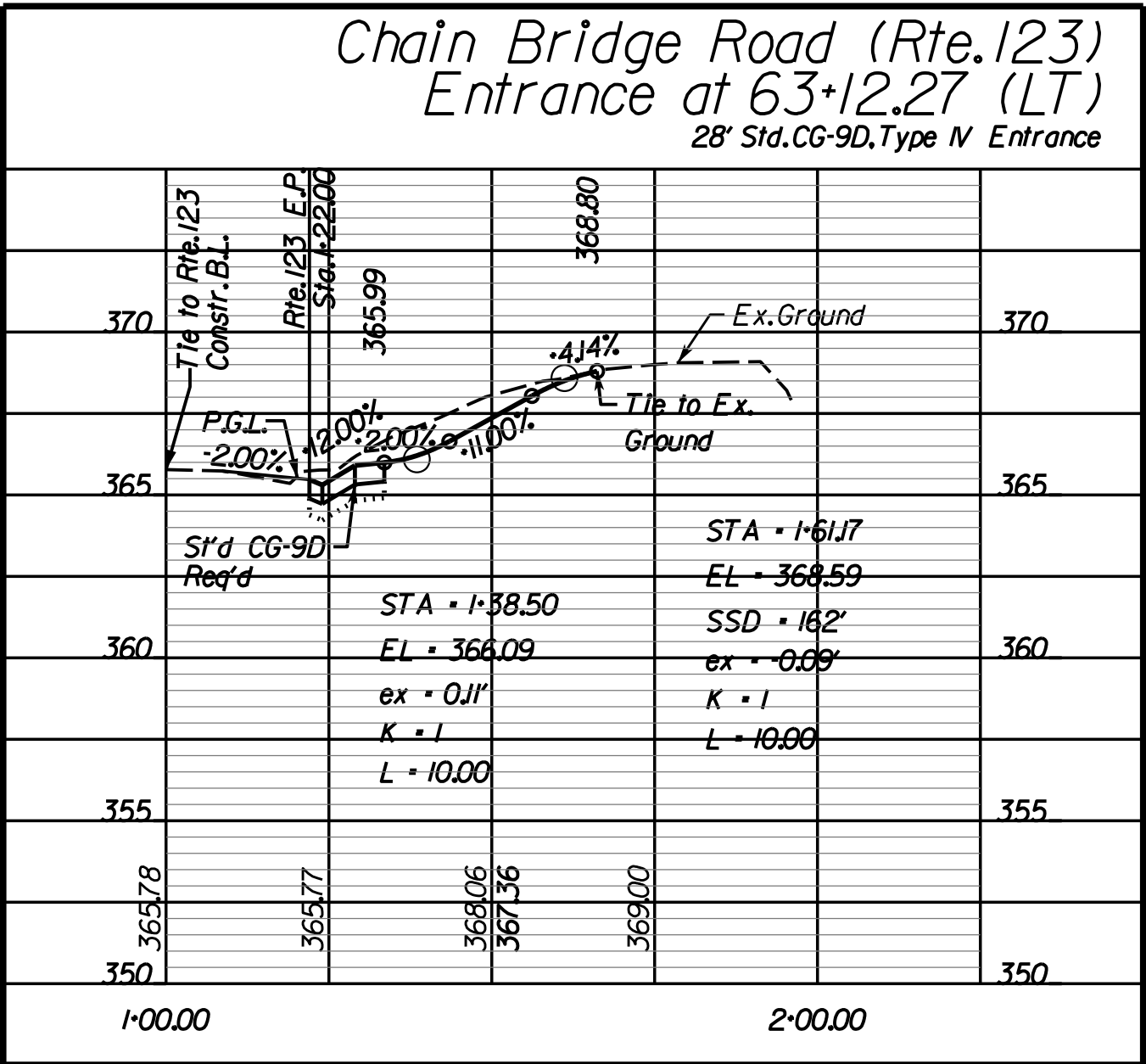
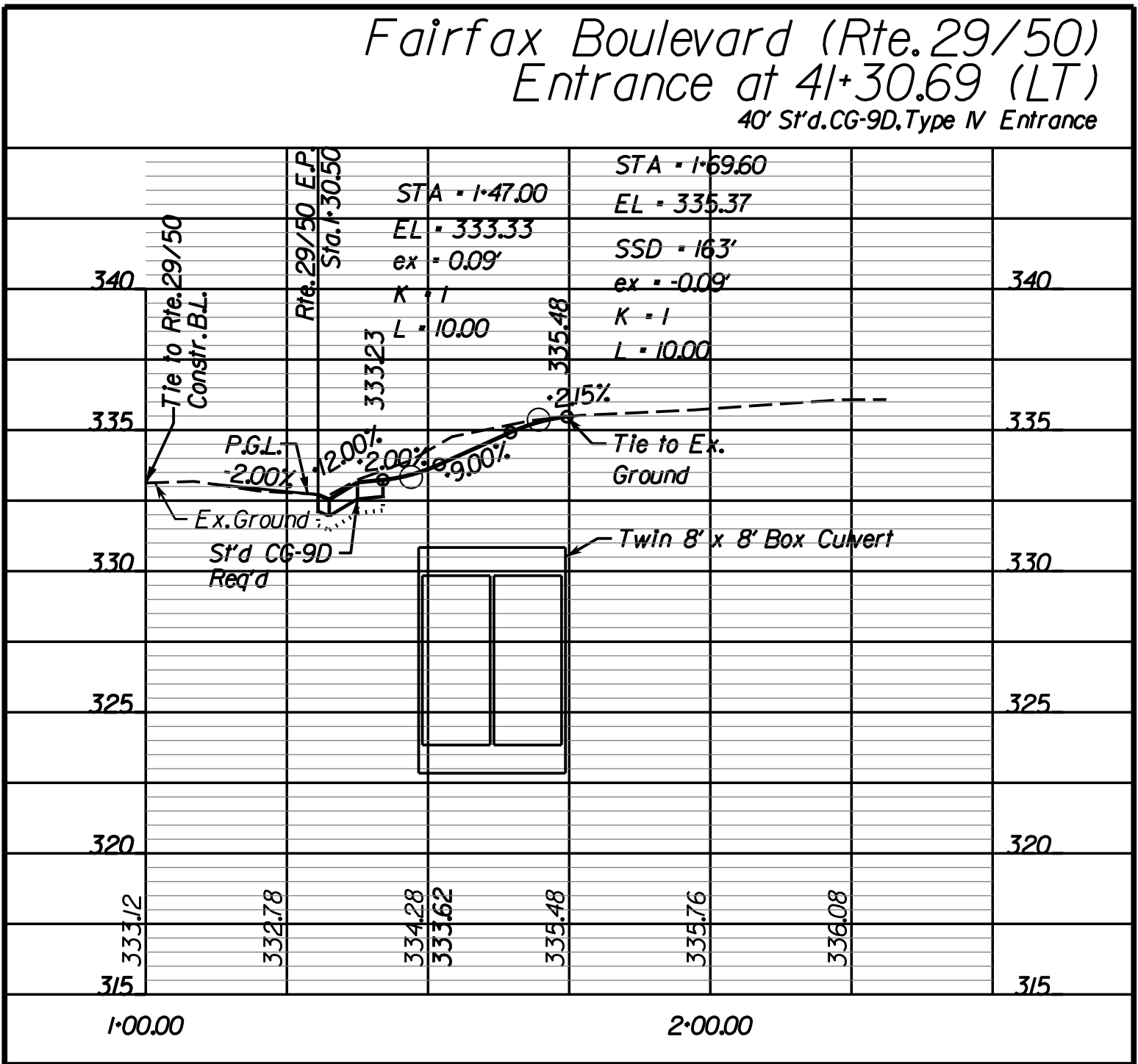
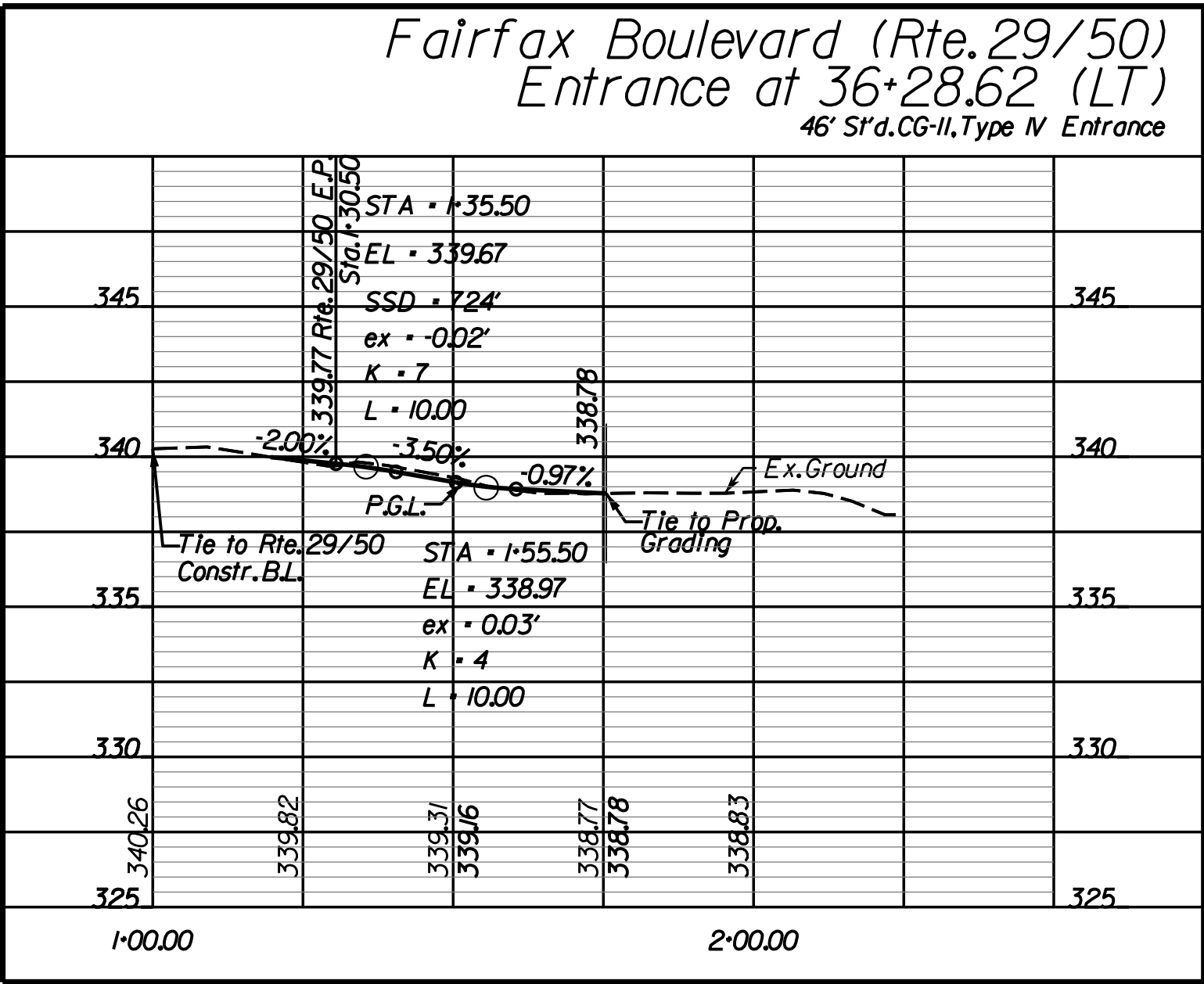
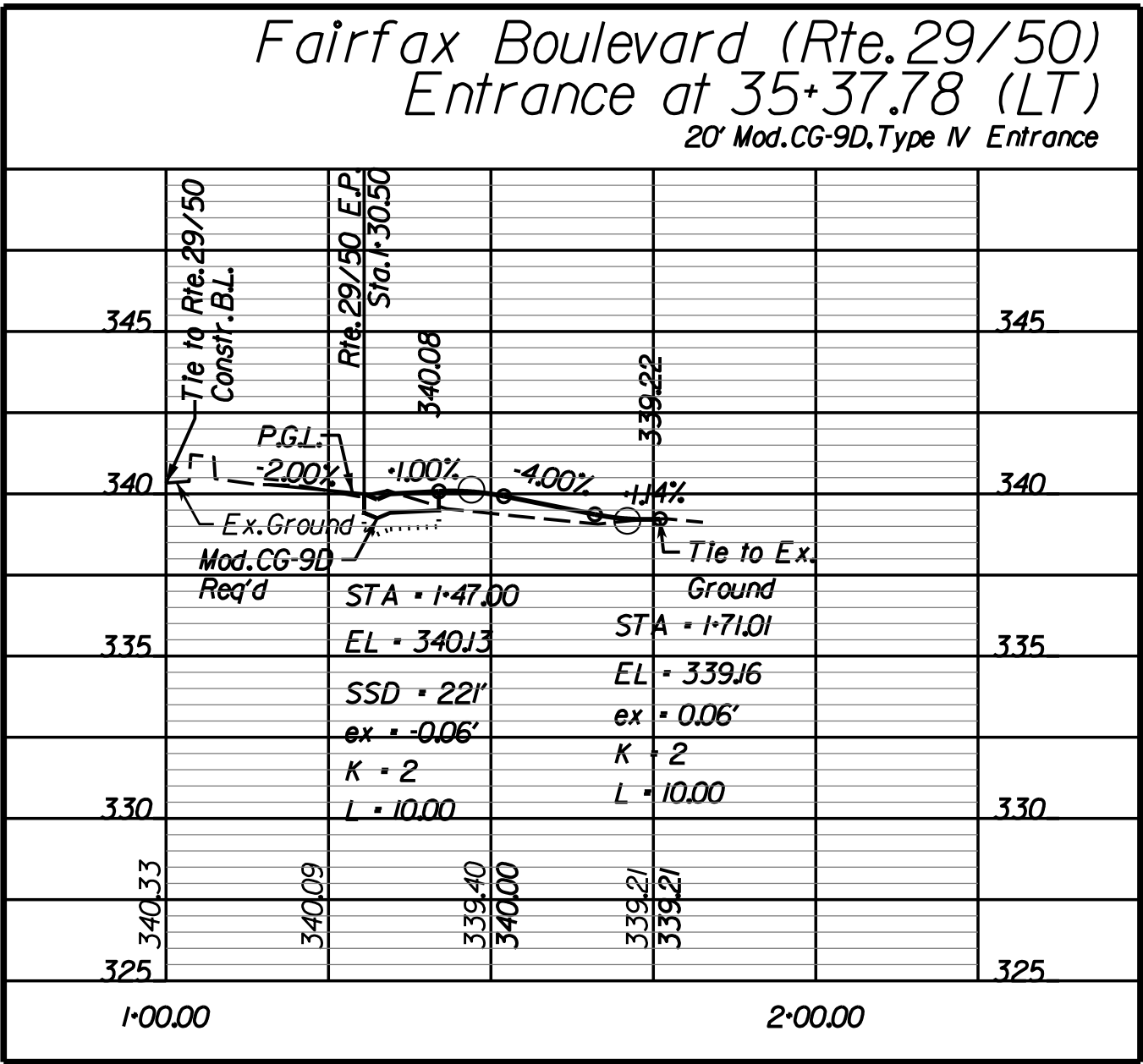
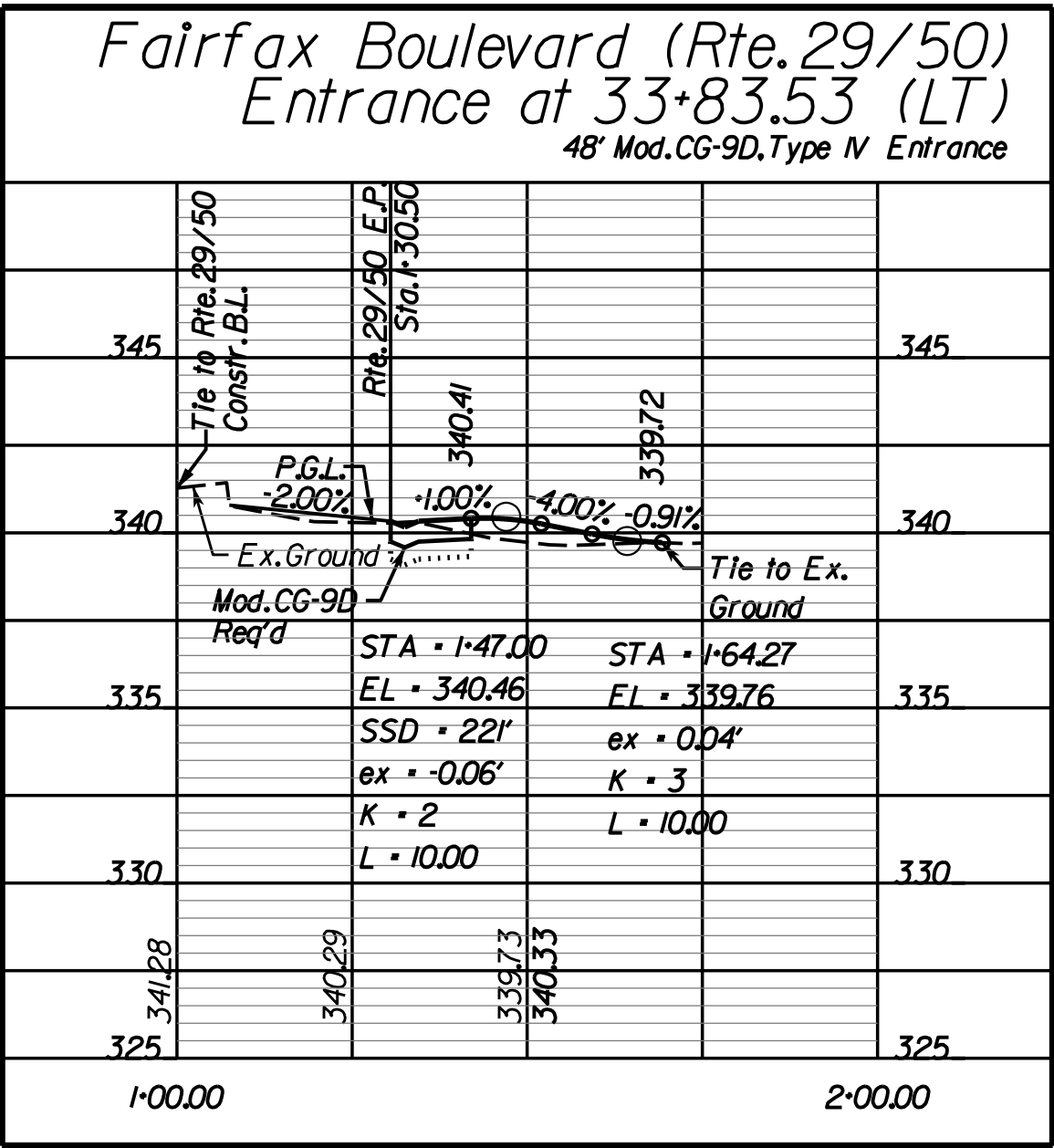
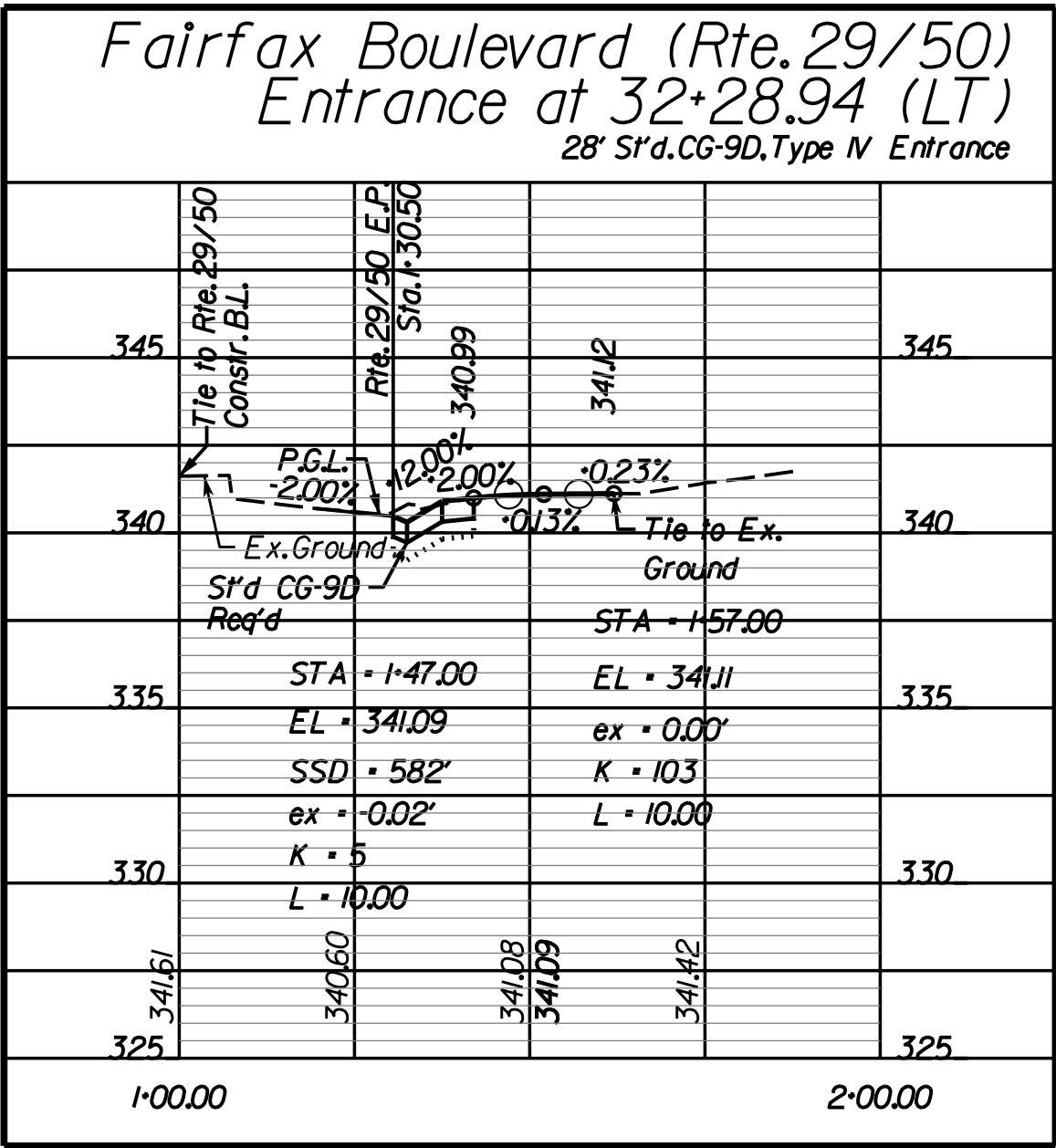
Lic. No. 038323

PROFESSIONAL ENGINEER

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

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	-	0029-151-105 P101, P102, R201, C501	9A

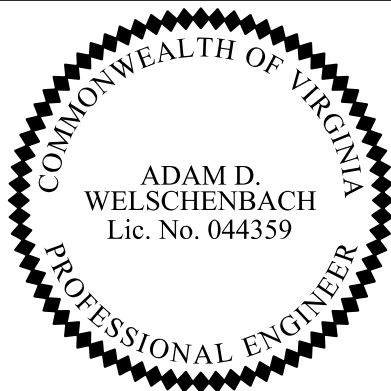
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



PROJECT	SHEET NO.
0029-151-105	9B

PROJECT MANAGER Wendy Black Sanford, City of Fairfax (703) 385-7889
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY PROVIDED BY AccuMark (2011)

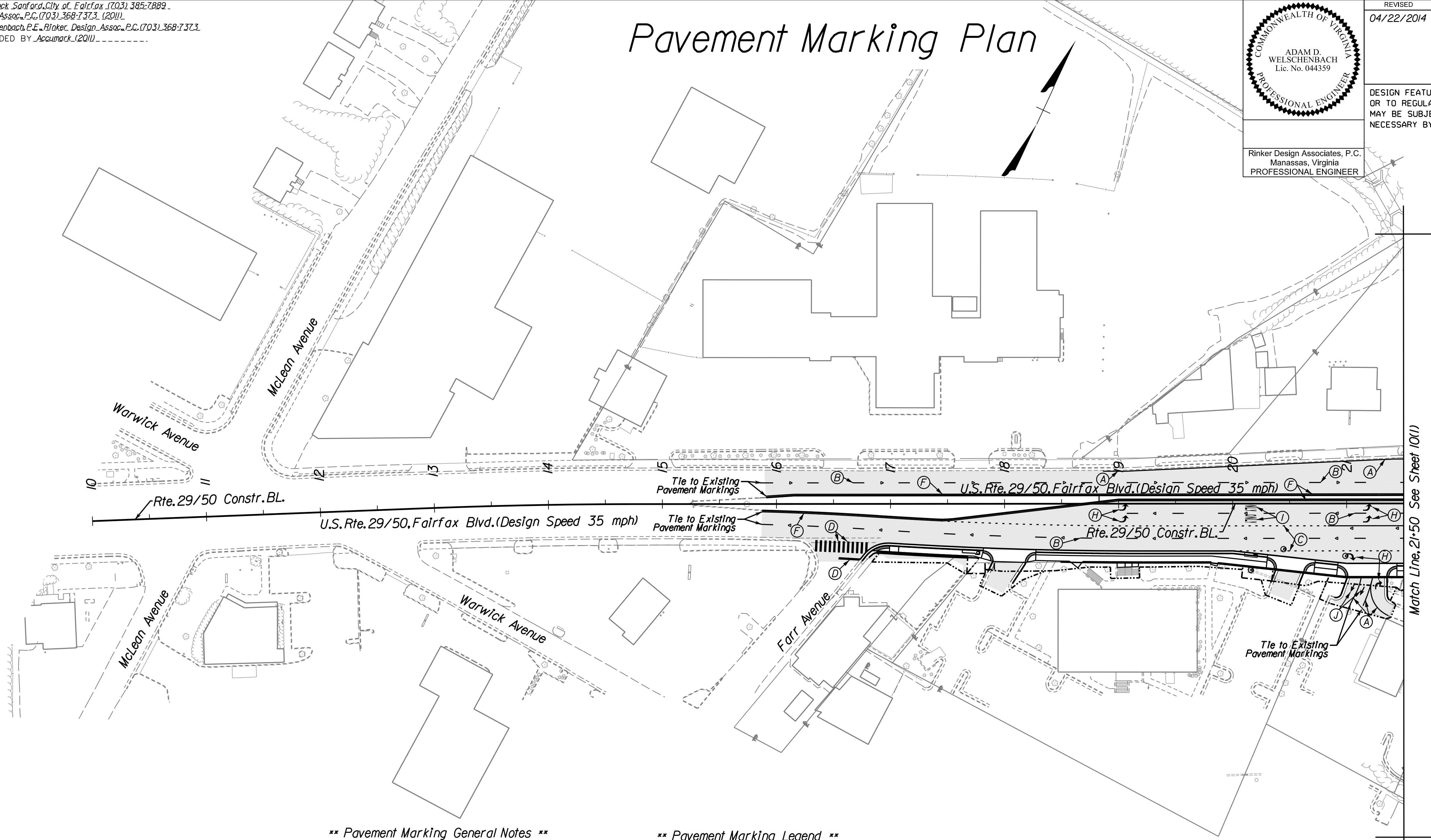
Pavement Marking Plan



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

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
04/22/2014	VA.	-		0029-151-105 P101, P102, R201, C501	10

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



** Pavement Marking General Notes **

- All proposed pavement markings shall be in accordance with the most current edition of each of the following and any revisions/update thereof:
A) Manual on Uniform Traffic Control Devices (MUTCD)
B) The Virginia Supplement to the Manual on Uniform Traffic Control Devices
C) The Virginia Department of Transportation Road and Bridge Specifications
D) The Virginia Department of Transportation Road and Bridge Standards
E) The discretion of the City of Fairfax Traffic Engineer
- Any existing pavement markings which will conflict with the proposed pavement markings as shown, shall be completely eradicated.
- Limits shown for the proposed pavement markings are approximate and shall be verified/modified in the field to ensure that proposed pavement markings continue until existing pavement markings can be matched.
- Any changes to this plan shall be approved by the Engineer.
- Consistent with existing conditions upstream and downstream of the proposed improvements, no raised pavement markers are proposed with this project.

** Pavement Marking Legend **

- A Type B, Class I, White, 4" Width
- B Type B, Class I, White, 4" Width, 10' Long, 30' Space
- C Type B, Class I, White, 4" Width, 2' Long, 4' Space
- D Type B, Class I, White, 24" Width
- E Type B, Class I, Yellow, 4" Width, Double Line, 4' Space
- F Type B, Class I, Yellow, 4" Width
- G Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°
- H Type B, Class I, White, Turn Lane Use Arrow
- I Type B, Class I, White, "Only" Pavement Marking
- J Type B, Class I, White, Through Lane Use Arrow
- K Type B, Class I, White, Turn and Through Lane Use Arrow
- L Type B, Class I, White, Lane Reduction Arrow
- M Type B, Class I, Blue & White, Handicapped Space Marking

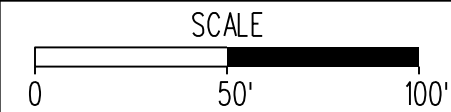
- ◁ Snowplowable Raised Pavement Marker (One-way)
- ↔ Snowplowable Raised Pavement Marker (Two-way)

Shading Denotes Areas of New Surface Pavement

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

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

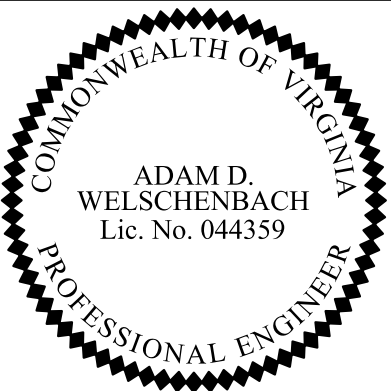
Roadway Design Plans	3 thru 8A
Signage Plans	12 Series



PROJECT	SHEET NO.
0029-151-105	10

PROJECT MANAGER Wendy Black Sanford, City of Fairfax (703) 385-7889
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY PROVIDED BY Accumark (2011)

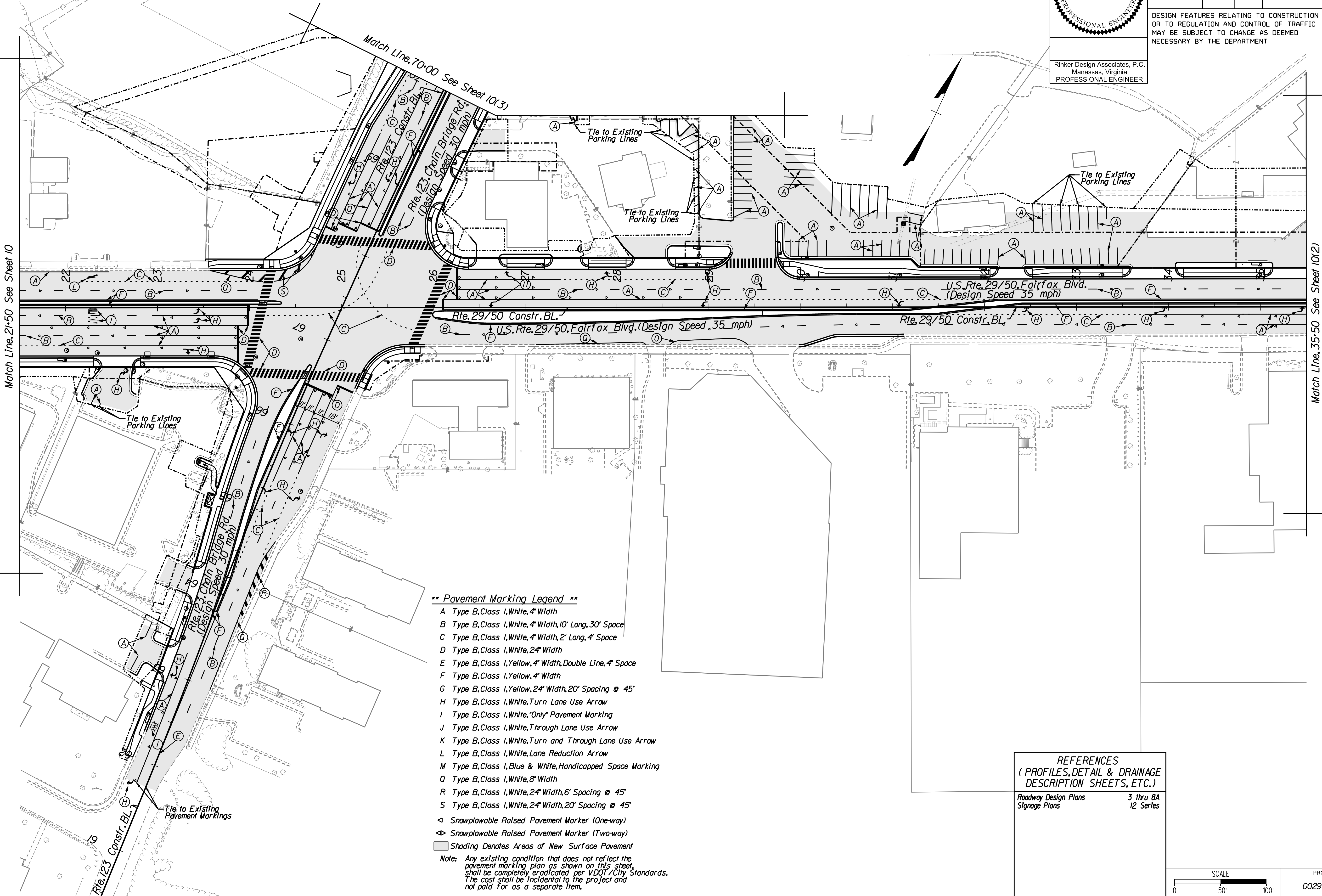
Pavement Marking Plan Cont.



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

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
04/22/2014	VA.	-		0029-151-105 P101, P102, R201, C501	10(1)

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



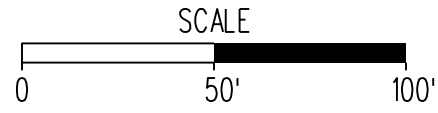
** Pavement Marking Legend **

- A Type B, Class I, White, 4" Width
- B Type B, Class I, White, 4" Width, 10' Long, 30' Space
- C Type B, Class I, White, 4" Width, 2' Long, 4' Space
- D Type B, Class I, White, 24" Width
- E Type B, Class I, Yellow, 4" Width, Double Line, 4" Space
- F Type B, Class I, Yellow, 4" Width
- G Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°
- H Type B, Class I, White, Turn Lane Use Arrow
- I Type B, Class I, White, "Only" Pavement Marking
- J Type B, Class I, White, Through Lane Use Arrow
- K Type B, Class I, White, Turn and Through Lane Use Arrow
- L Type B, Class I, White, Lane Reduction Arrow
- M Type B, Class I, Blue & White, Handicapped Space Marking
- O Type B, Class I, White, 8" Width
- R Type B, Class I, White, 24" Width, 6' Spacing @ 45°
- S Type B, Class I, White, 24" Width, 20' Spacing @ 45°
- ◁ Snowplowable Raised Pavement Marker (One-way)
- ↔ Snowplowable Raised Pavement Marker (Two-way)
- Shading Denotes Areas of New Surface Pavement

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

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

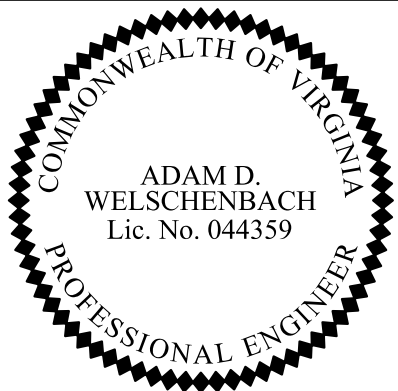
Roadway Design Plans 3 thru 8A
Signage Plans 12 Series



PROJECT	SHEET NO.
0029-151-105	10(1)

PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY PROVIDED BY AccuMark (2011)

Pavement Marking Plan Cont.



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

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
04/22/2014	VA.	-		0029-151-105 P101, P102, R201, C501	101(2)

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

Match Line, 35+50 See Sheet 101(1)

City Rte. 6627, University Drive

U.S. Rte. 29/50, Fairfax Blvd. (Design Speed 35 mph)

Rte. 29/50 Constr. BL.

Rte. 29/50 Constr. BL.

U.S. Rte. 29/50, Fairfax Blvd. (Design Speed 35 mph)

Remove Ex. RT Lane Stop Bar

** Pavement Marking Legend **

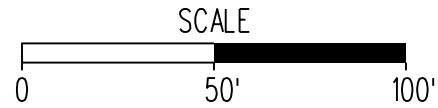
- A Type B, Class I, White, 4" Width
- B Type B, Class I, White, 4" Width, 10' Long, 30' Space
- C Type B, Class I, White, 4" Width, 2' Long, 4' Space
- D Type B, Class I, White, 24" Width
- E Type B, Class I, Yellow, 4" Width, Double Line, 4" Space
- F Type B, Class I, Yellow, 4" Width
- G Type B, Class I, Yellow, 24" Width, 20' Spacing @ 45°
- H Type B, Class I, White, Turn Lane Use Arrow
- I Type B, Class I, White, "Only" Pavement Marking
- J Type B, Class I, White, Through Lane Use Arrow
- K Type B, Class I, White, Turn and Through Lane Use Arrow
- L Type B, Class I, White, Lane Reduction Arrow
- M Type B, Class I, Blue & White, Handicapped Space Marking
- N Type B, Class I, White, 8" Width

- ◁ Snowplowable Raised Pavement Marker (One-way)
- ▷ Snowplowable Raised Pavement Marker (Two-way)
- Shading Denotes Areas of New Surface Pavement

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

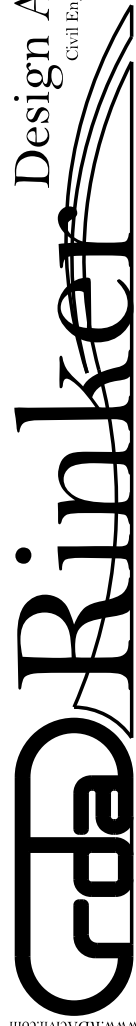
REFERENCES
(PROFILES, DETAIL & DRAINAGE
DESCRIPTION SHEETS, ETC.)

Roadway Design Plans 3 thru 8A
Signage Plans 12 Series



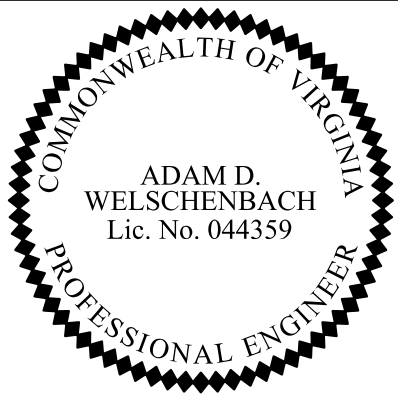
PROJECT	SHEET NO.
0029-151-105	101(2)

Design Associates, P.C.



PROJECT MANAGER Wendy Block Sanford, City of Fairfax (703) 385-7889
SURVEYED BY Rinker Design Assoc., P.C. (703) 368-7373 (2011)
DESIGNED BY Adam D. Welschenbach, P.E., Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY PROVIDED BY Accumark (2011)

Pavement Marking Plan Cont.



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

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
04/22/2014	VA.	-	0029-151-105 P101, P102, R201, C501	10(3)

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

** Pavement Marking Legend **

- A Type B, Class 1, White, 4" Width
- B Type B, Class 1, White, 4" Width, 10' Long, 30' Space
- C Type B, Class 1, White, 4" Width, 2' Long, 4' Space
- D Type B, Class 1, White, 24" Width
- E Type B, Class 1, Yellow, 4" Width, Double Line, 4" Space
- F Type B, Class 1, Yellow, 4" Width
- G Type B, Class 1, Yellow, 24" Width, 20' Spacing @ 45°
- H Type B, Class 1, White, Turn Lane Use Arrow
- I Type B, Class 1, White, "Only" Pavement Marking
- J Type B, Class 1, White, Through Lane Use Arrow
- K Type B, Class 1, White, Turn and Through Lane Use Arrow
- L Type B, Class 1, White, Lane Reduction Arrow
- M Type B, Class 1, Blue & White, Handicapped Space Marking
- P Type B, Class 1, White, 8" Width, 3' Long, 9' Space

- ◁ Snowplowable Raised Pavement Marker (One-way)
- ↔ Snowplowable Raised Pavement Marker (Two-way)

Shading Denotes Areas of New Surface Pavement

Note: Any existing condition that does not reflect the pavement marking plan as shown on this sheet, shall be completely eradicated per VDOT/City 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 8A
Signage Plans 12 Series

SCALE	PROJECT	SHEET NO.
0 50' 100'	0029-151-105	10(3)