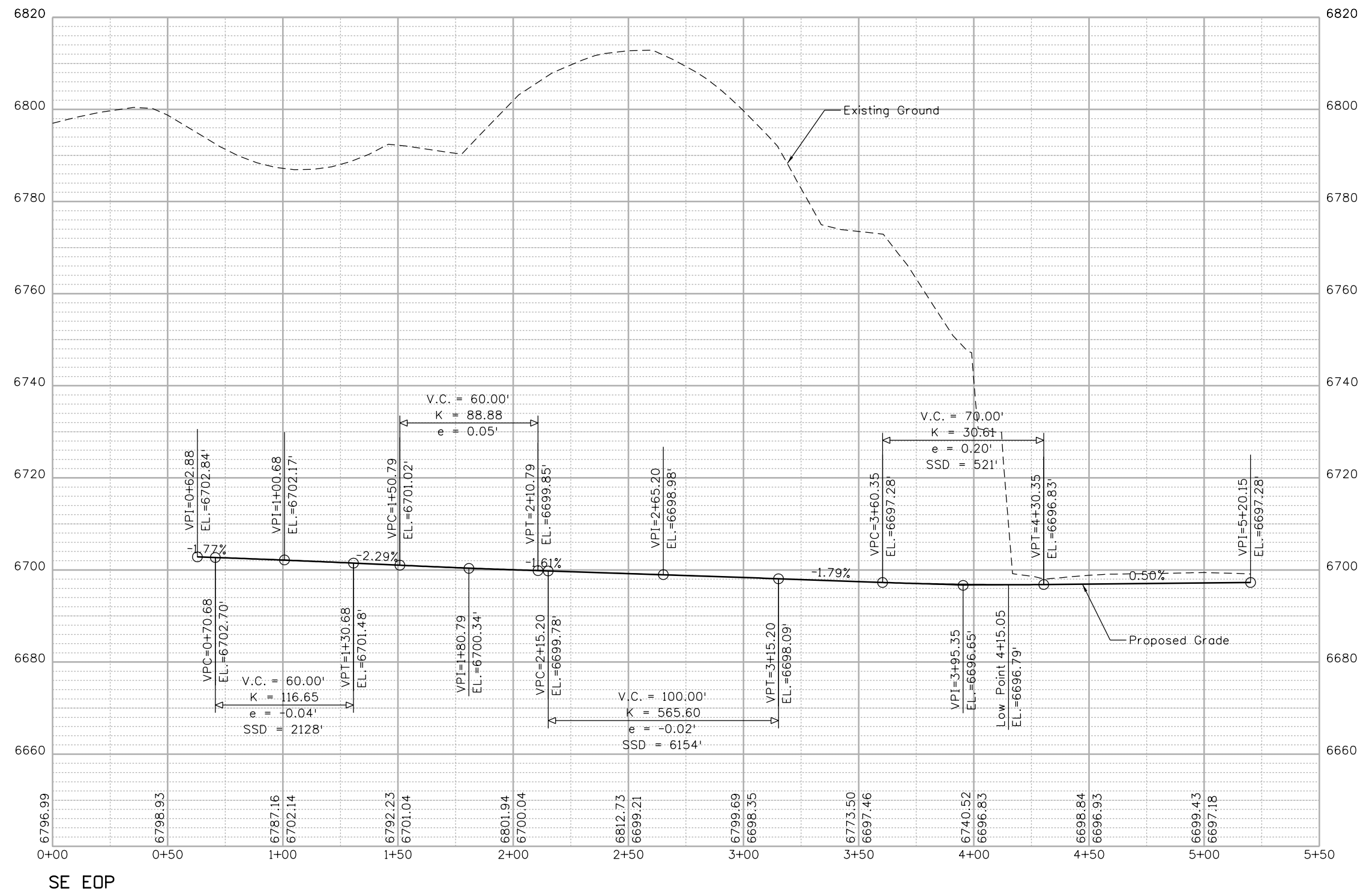


david.schmutes 2/24/19 2:24:34 PM \\den-fs1\5007-projects\Project\Transportation\CDDT R5\2013 CDDT R5 US 550 SEIS Alternatives\9.0 CADD\FIR\9.2 Design\Drawings\22420DES\_Profile13.dgn  
 2/27/2019 CDDT-PDFDraft\Quality\_V8.picfig CDDT-Pentable.tbl



FINAL REFERENCE DESIGN PLANS  
 JUNE 10, 2019



Print Date: 2/27/2019	
Drawing File Name: 22420DES_Profile13.dgn	
Horiz. Scale: 1:50	Vert. Scale: As Noted
Unit Information	Unit Leader Initials
<b>wood.</b>	Colorado Center Tower 2 2000 S. Colorado Blvd Suite 2-1000 Denver, CO 80222

Sheet Revisions		
Date:	Comments	Init.

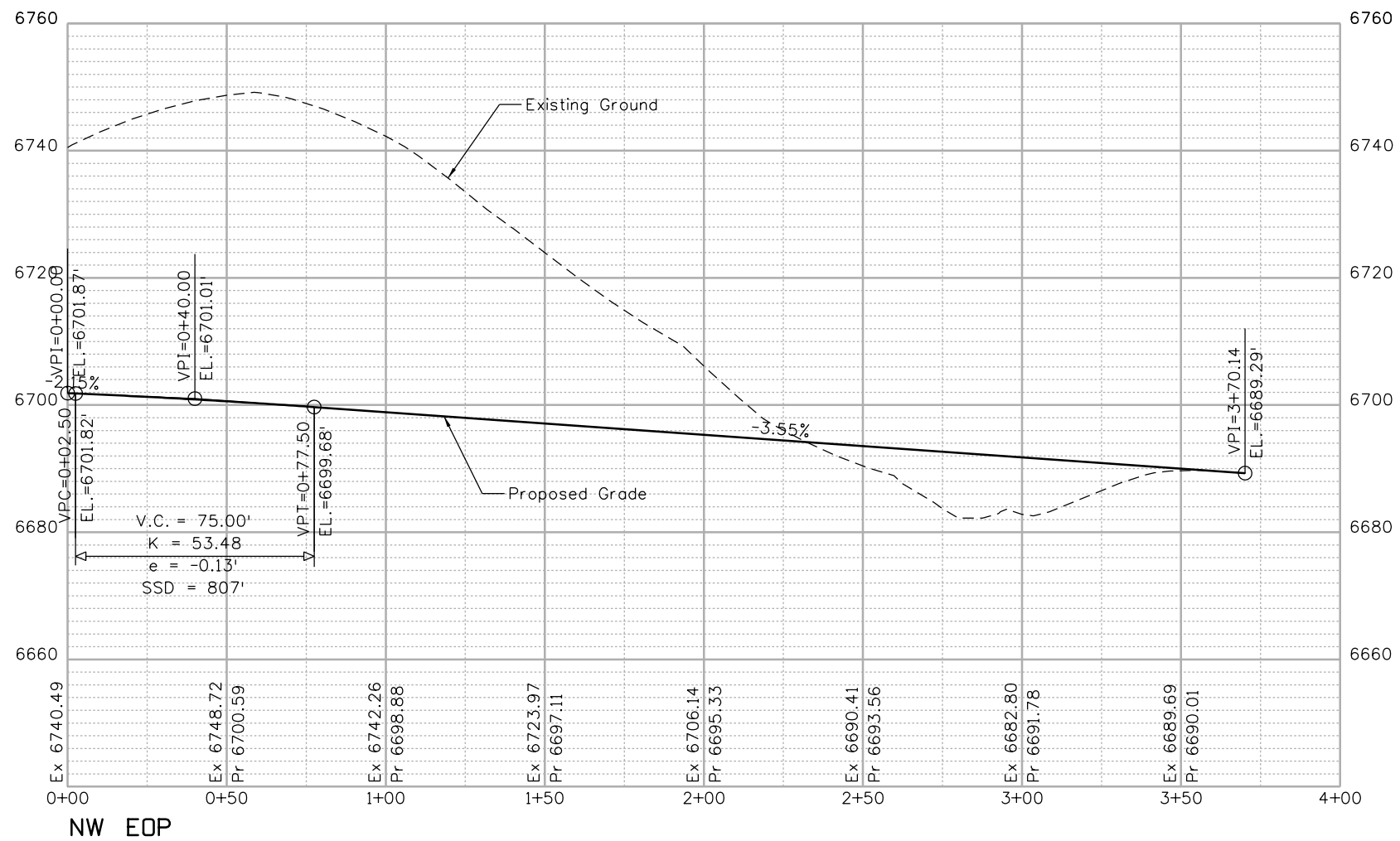
**Colorado Department of Transportation**  
 3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440 FAX: 970-385-8365  
**Region 5** DRV

<b>As Constructed</b>
No Revisions:
Revised:
Void:

<b>ROUNDABOUT PROFILE</b>			
<b>SE EOP</b>			
Designer:	JJW	Structure	
Detailer:	TGB	Numbers	
Sheet Subset:	RAB PRDF	Subset Sheets:	21 of 27

<b>Project No./Code</b>
NHPP 5501-029
22420
<b>Sheet Number</b> 61

d:\projects\2019\22420DES\22420DES\_Profile13.dgn  
 2/27/2019 2:24:34 PM \\denver\fs1\5007-projects\Project\Transportation\CDDT\22420DES\22420DES\_Profile13.dgn  
 CDDT-PRDraf\Quality\_V8.picfig CDDT-Pentable.tbl

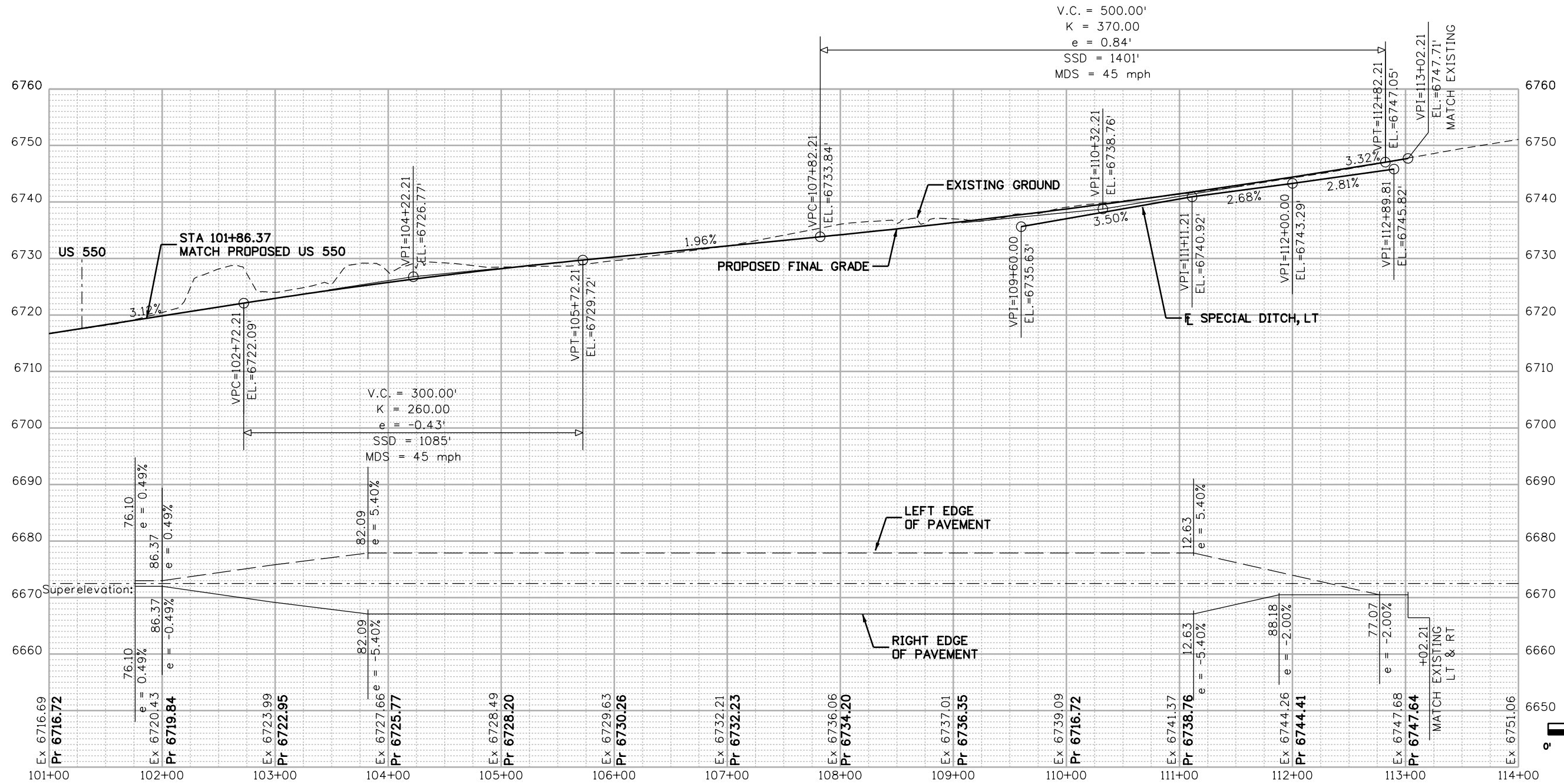


FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Print Date: 2/27/2019		<b>Sheet Revisions</b> Date:      Comments      Init.			<b>Colorado Department of Transportation</b> 3803 North Main Avenue Durango, CO 81301 Phone: 970-385-1440 FAX: 970-385-8365 <b>Region 5</b>		As Constructed		<b>ROUNDABOUT PROFILE</b> NW EOP		Project No./Code	
Drawing File Name: 22420DES_Profile13.dgn							No Revisions:				NHPP 5501-029	
Horiz. Scale: 1:50      Vert. Scale: As Noted				3803 North Main Avenue Durango, CO 81301 Phone: 970-385-1440 FAX: 970-385-8365		Revised:		Designer: JJW      Structure Detailer: TGB      Numbers		22420		
Unit Information      Unit Leader Initials						Void:		Sheet Subset: RAB PRDF      Subset Sheets: 22 of 27		Sheet Number 62		
Colorado Center Tower 2 2000 S. Colorado Blvd Suite 2-1000 Denver, CO 80222				Region 5		DRV						

david.schwantes 9:05:35 AM P:\Project\Transportation\CDOT\_R5\2013\CDOT\_R5\_US\_550\_SEIS\_Alternatives\9.0\_CADD\FIR\9.2\_Design\Drawings\22420DES\_Profile14.dgn  
 3/5/2019 CDOT-PDF\Quality\_V8.picfig CDOT-Pentable.tbl



FINAL REFERENCE DESIGN PLANS  
 JUNE 10, 2019



Print Date: 3/5/2019	
Drawing File Name: 22420DES_Profile14.dgn	
Horiz. Scale: 1:100	Vert. Scale: As Noted
Unit Information	Unit Leader Initials
Colorado Center Tower 2 2000 S. Colorado Blvd Suite 2-1000 Denver, CO 80222	

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440 FAX: 970-385-8365

Region 5 DRV

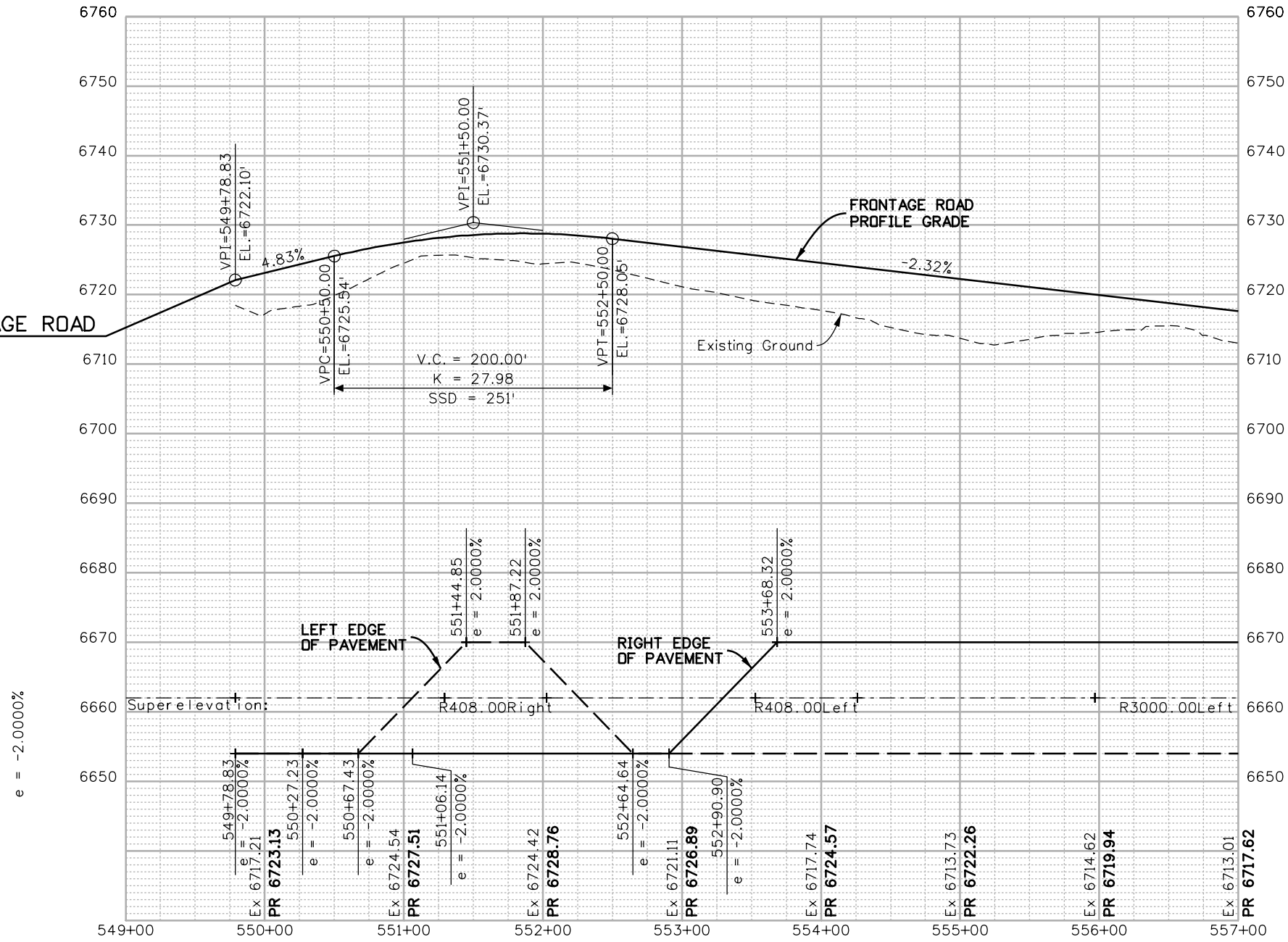
As Constructed	
No Revisions:	
Revised:	
Void:	

CR 220 ROADWAY PROFILE			
Designer:	KB	Structure	
Detailer:	KB	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	23 of 27

Project No./Code	
NHPP 5501-029	
22420	
Sheet Number	63

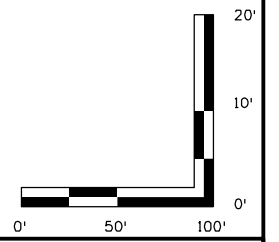
C:\jrunen\_6\3849.PM\2018\Projects\18-018.01.US.550.S.Connection.D-B - CDDT - R-5\22420\Design\Drawings\22420DES\_Profile15.dgn  
 2/27/2019 CDDT-DefaultPrinter\_V8.plt.ctb CDDT-Print Table.tbl

**BEGIN PROJECT FRONTAGE ROAD  
STA. 549+78.83**



e = -2.0000%

FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Print Date: 2/27/2019	
Drawing File Name: 22420DES_Profile15.dgn	
Horiz. Scale: 1:100	Vert. Scale: As Noted
Unit Information	Unit Leader Initials
<b>MULLER</b> ENGINEERING COMPANY	

Sheet Revisions		
Date:	Comments	Init.

**Colorado Department of Transportation**



3803 North Main Avenue  
Durango, CO 81301  
Phone: 970-385-1440 FAX: 970-385-8365

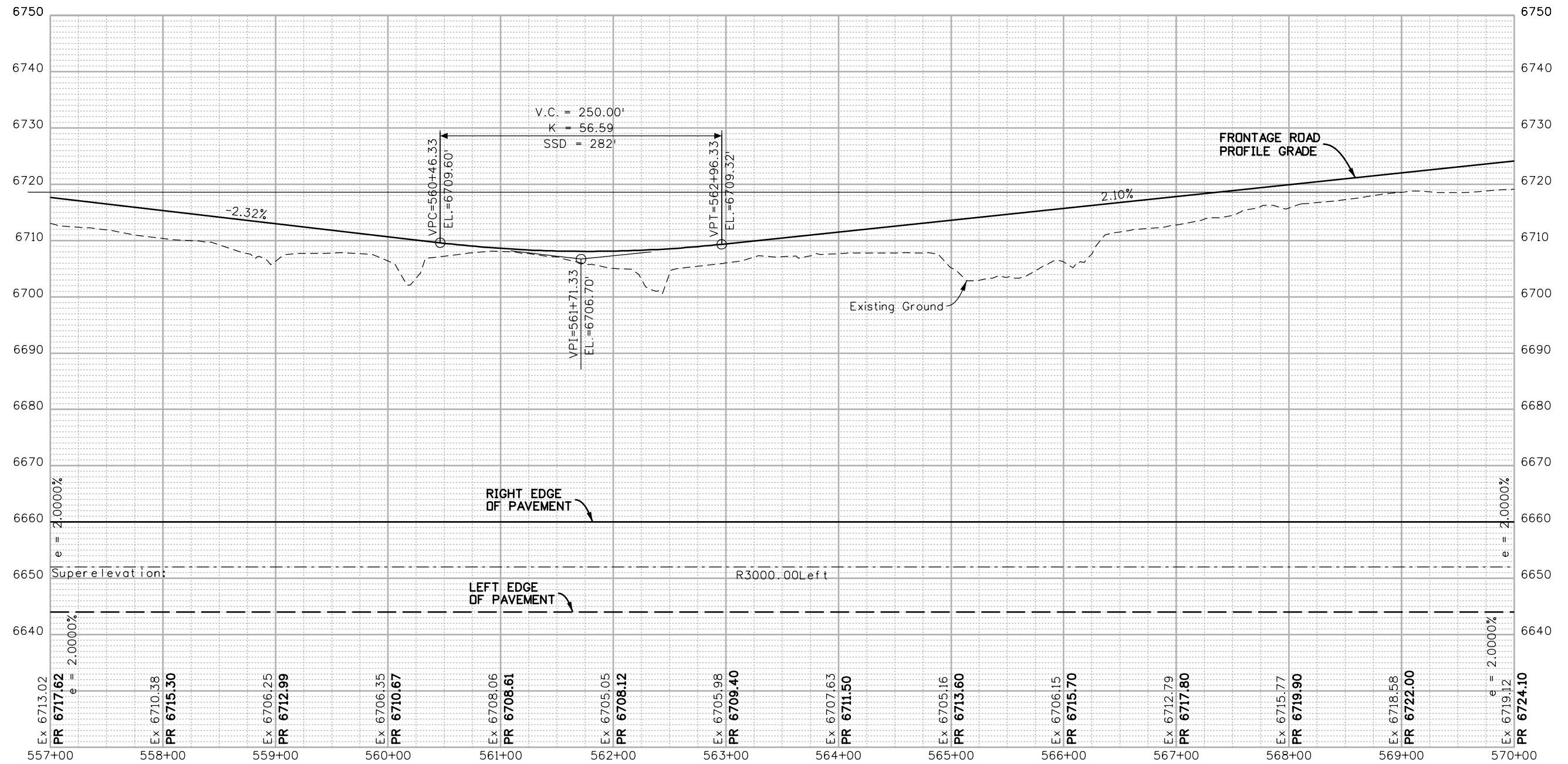
**Region 5** **DRV**

<b>As Constructed</b>
No Revisions:
Revised:
Void:

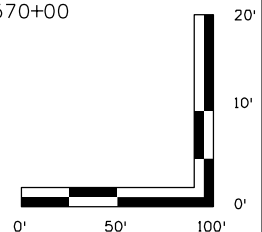
<b>FRONTAGE ROAD PROFILE STA. 549+00 TO STA. 557+00</b>			
Designer:	ACC	Structure	
Detailer:	LMR	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	24 of 27

<b>Project No./Code</b>
NHPP 5501-029
22420
Sheet Number <b>64</b>

C:\jrunen\_6\3850.PM\2018\Projects\18-018.01 US 550 S Connection D-B - CDDT R-5\22420\Design\Drawings\22420DES\_Profile15.dgn  
 2/27/2019 CDDT-DefaultPrinter\_V8.plt.ctb CDDT-Printable.tbl



FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Print Date: 2/27/2019	
Drawing File Name: 22420DES_Profile15.dgn	
Horiz. Scale: 1:100	Vert. Scale: As Noted
Unit Information	Unit Leader Initials
<b>MULLER</b> ENGINEERING COMPANY	

Sheet Revisions		
Date:	Comments	Init.

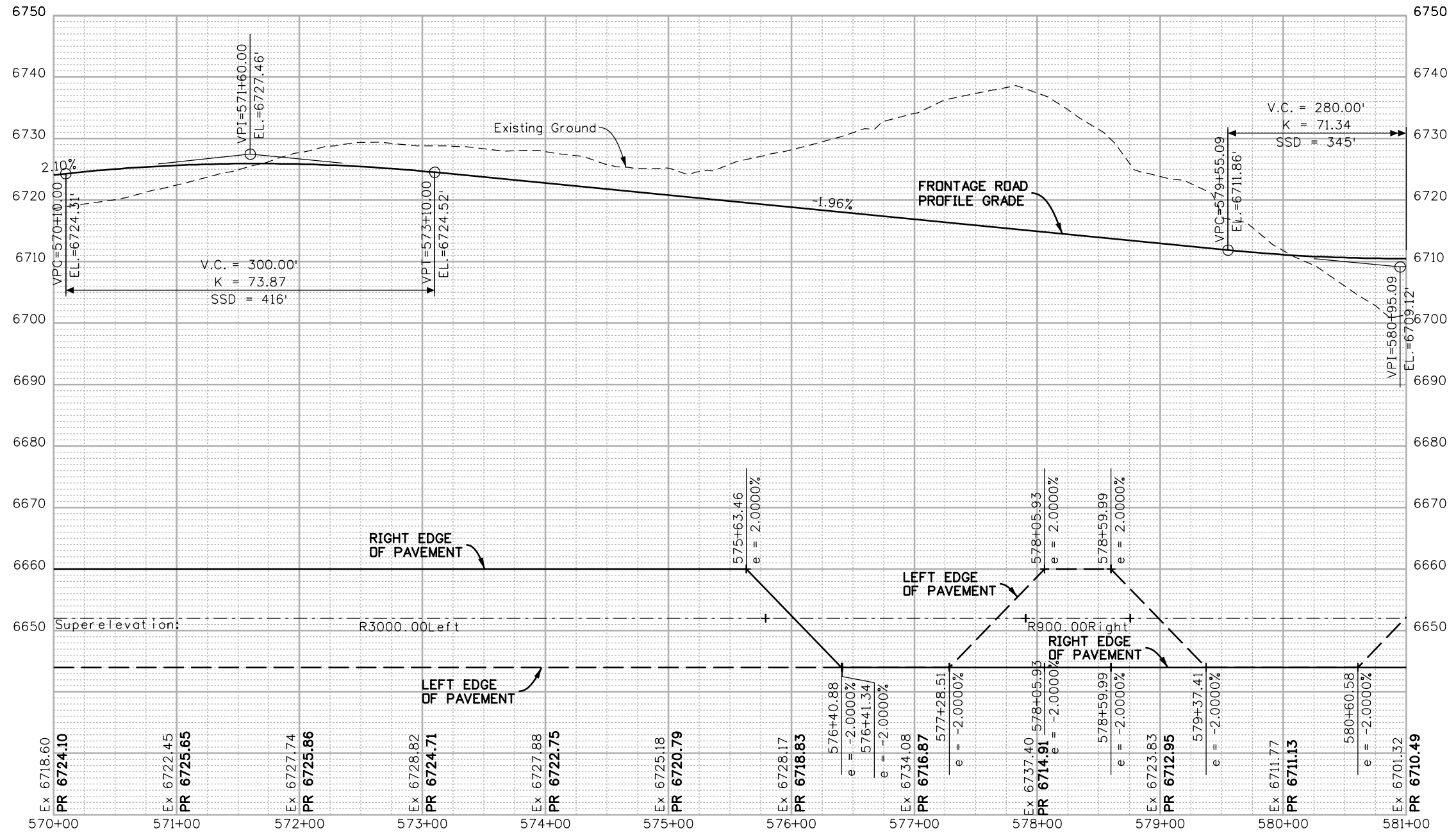
**Colorado Department of Transportation**  
  
 3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440 FAX: 970-385-8365  
**Region 5** **DRV**

<b>As Constructed</b>
No Revisions:
Revised:
Void:

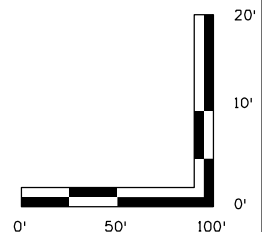
<b>FRONTAGE ROAD PROFILE</b> STA. 557+00 TO STA. 570+00			
Designer:	ACC	Structure	
Detailer:	LMR	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	25 of 27

<b>Project No./Code</b>
NHPP 5501-029
22420
Sheet Number <b>65</b>

C:\jturner\_6\3851\PM\_P\2018 Projects\18-018.01 US 550 S Connection D-B - CDDT R-5\22420\Drawings\22420DES\_Profile15.dgn  
 2/27/2019 CDDT-DefaultPrinter\_V8.plt.ctb CDDT-Per Table.tbl



FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Print Date: 2/27/2019	
Drawing File Name: 22420DES_Profile15.dgn	
Horiz. Scale: 1:100	Vert. Scale: As Noted
Unit Information	Unit Leader Initials
<b>MULLER</b> ENGINEERING COMPANY	

Sheet Revisions		
Date:	Comments	Init.

**Colorado Department of Transportation**

3803 North Main Avenue  
Durango, CO 81301  
Phone: 970-385-1440 FAX: 970-385-8365

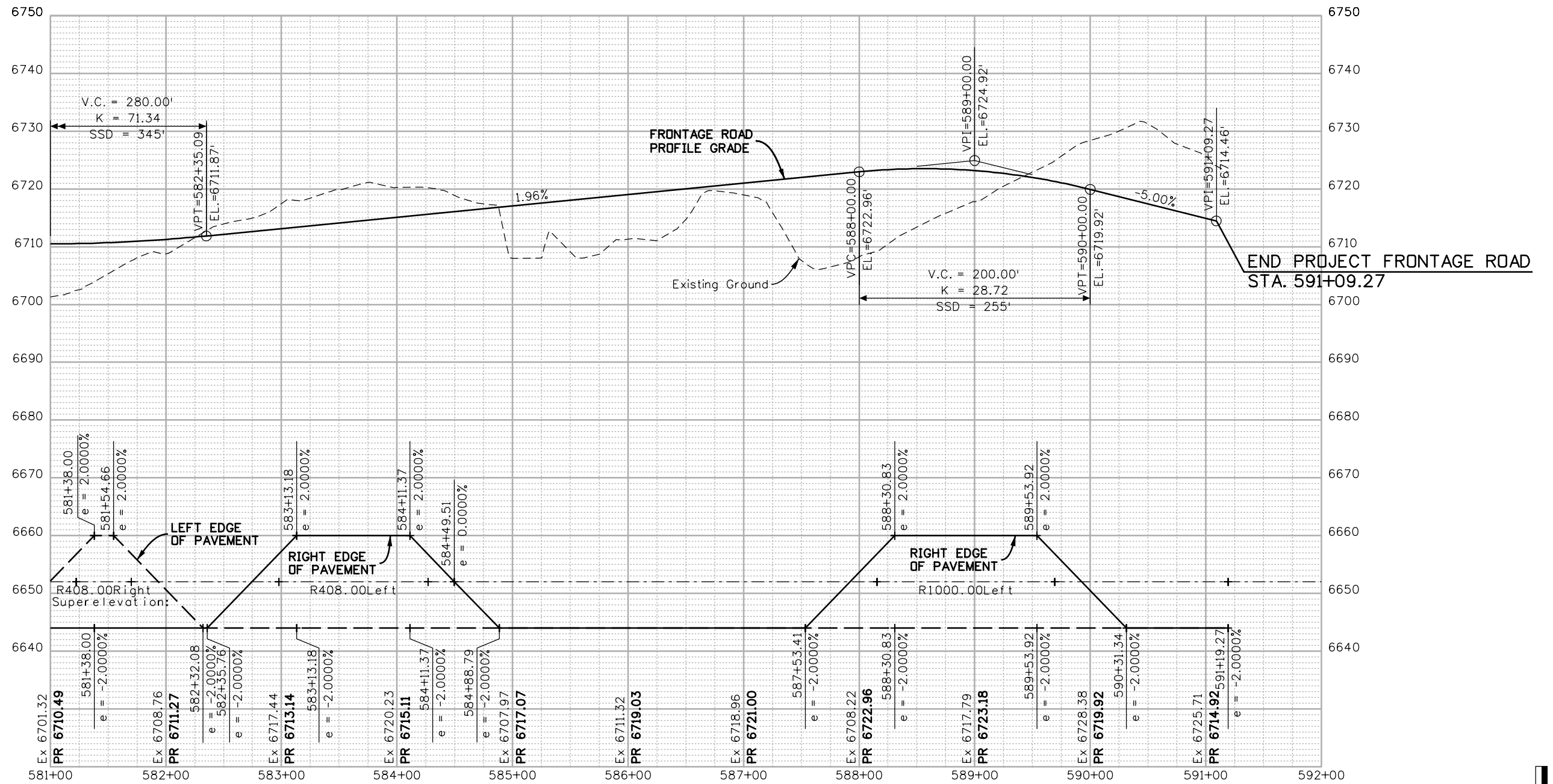
**Region 5** **DRV**

<b>As Constructed</b>
No Revisions:
Revised:
Void:

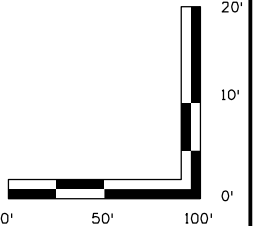
<b>FRONTAGE ROAD PROFILE</b> STA. 570+00 TO STA. 581+00			
Designer:	ACC	Structure	
Detailer:	LMR	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	26 of 27

<b>Project No./Code</b>
NHPP 5501-029
22420
<b>Sheet Number</b> <b>66</b>

C:\jrunen\_6\3852\_PM\_P\2018\_Projects\18-018.01\_US\_550\_S\_Connection\_D-B - CDDT - R-5\22420\Design\Drawings\22420DES\_Profile15.dgn  
 2/27/2019 3:38:52 PM P:\2018\_Projects\18-018.01\_US\_550\_S\_Connection\_D-B - CDDT - R-5\22420\Design\Drawings\22420DES\_Profile15.dgn  
 CDDT-DePaulPrinter\_V8.plt;c1g CDDT-PerTable.tbl



FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Print Date: 2/27/2019	
Drawing File Name: 22420DES_Profile15.dgn	
Horiz. Scale: 1:100	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.

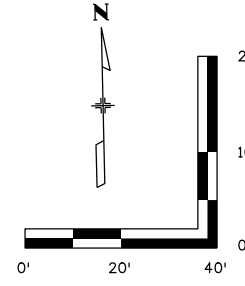
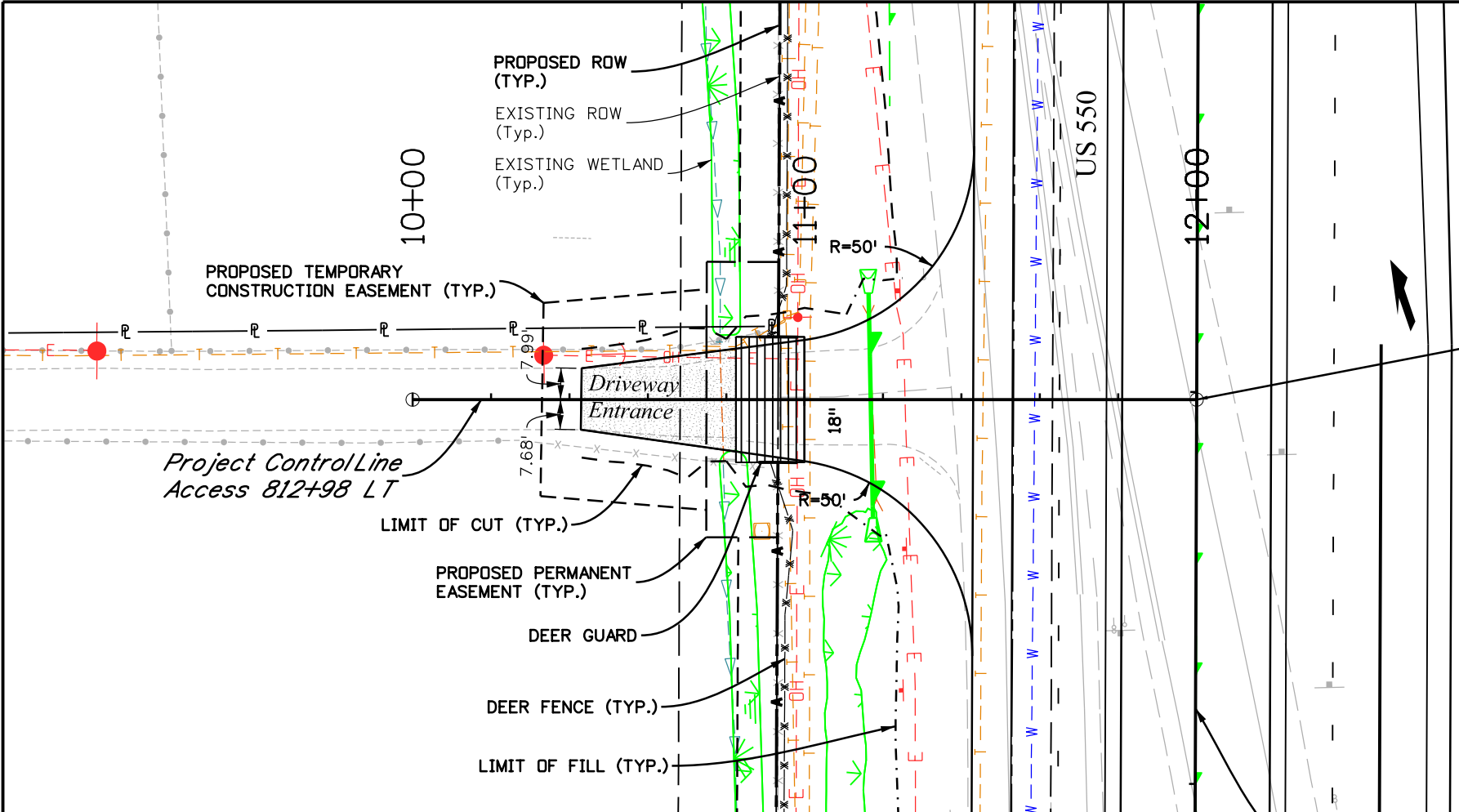
**Colorado Department of Transportation**  
 3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440 FAX: 970-385-8365  
**Region 5** **DRV**

<b>As Constructed</b>
No Revisions:
Revised:
Void:

<b>FRONTAGE ROAD PROFILE STA. 577+50 TO STA. 591+50</b>			
Designer:	ACC	Structure	
Detailer:	LMR	Numbers	
Sheet Subset:	PROFILE	Subset Sheets:	27 of 27

<b>Project No./Code</b>
NHPP 5501-029
22420
Sheet Number <b>67</b>

NZOLLER 3:33:34 PM pwr:\pwhdriscen01\HDR\_US\_Central\_01\Documents\5704\10000255\10110222\6\_0\_CAD\_BIM\6.2\_WIP\Design\Drawings\Sheets\22420DES\_Access01.dgn

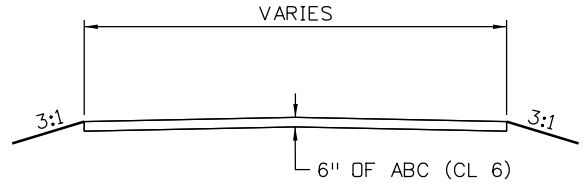


**GEOMETRIC DATA:**

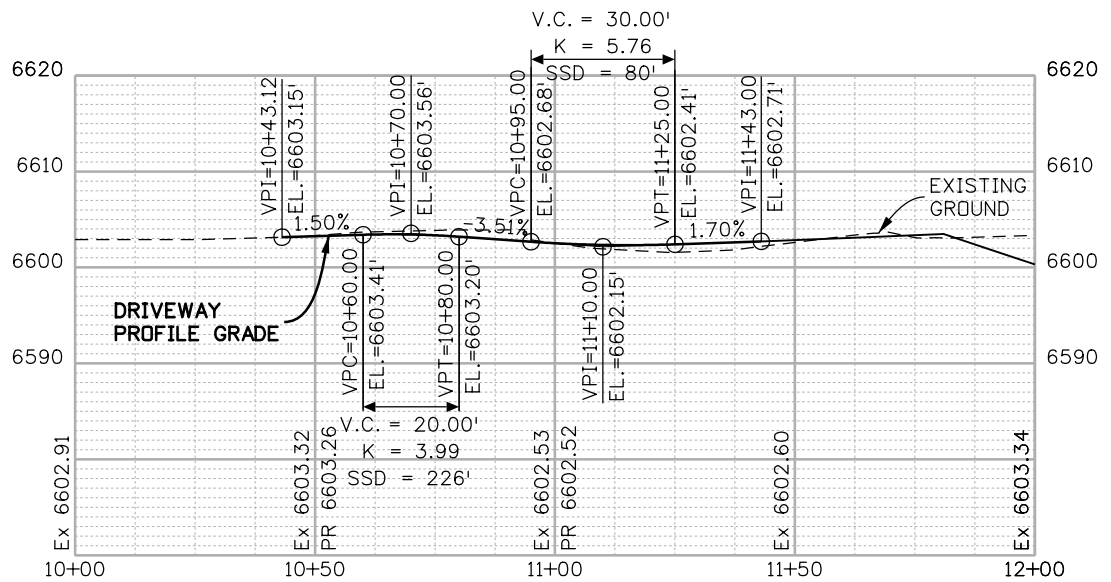
Alignment Name: 812+98 LT  
 Alignment Description:  
 Alignment Style: ALG\_SECONDARY

Element: Linear	Station	Northing	Easting
POB	0+00.00	1193748.715	2313711.618
POE	2+00.00	1193744.393	2313911.571
Tangential Direction:	S 88°45'41.5" E		
Tangential Length:	200		

STA 812+98.04 US 550 =  
 STA 12+00.00 ACCESS 812+98 LT  
 N:1193744.39  
 E:2313911.57



**TYPICAL SECTION**



Project ControlLine  
US 550

FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Know what's below  
Call before you dig.

Print Date: 5/2/2019  
 File Name: 22420DES\_Access01.dgn  
 Horiz. Scale: 1:40      Vert. Scale: As Noted

**HDR** 1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202  
 Phone: 303-764-1520      FAX: 303-860-7139

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440    FAX: 970-385-8635

Region 5      DRV

**As Constructed**

No Revisions:  
 Revised:  
 Void:

**ACCESS PLAN AND PROFILE  
DRIVEWAY ENTRANCE  
STA 812+98 LT**

Designer:	NZ	Structure Numbers:	
Detailer:	MS	Subset Sheets:	1 of 53

**Project No./Code**

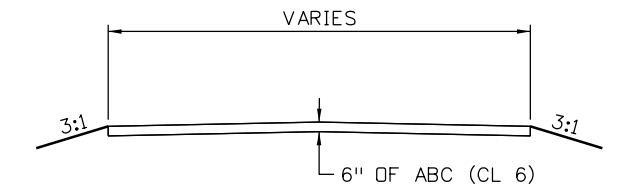
NHPP 5501-029
22420
Sheet Number <b>68</b>



STA 817+48.50 US 550 =  
 STA 14+00.00 ACCESS 817+48 LT  
 N:1194194.71  
 E:2313922.96

**GEOMETRIC DATA:**  
 Alignment Name: 817+48 LT  
 Alignment Description:  
 Alignment Style: ALG\_SECONDARY

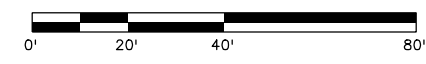
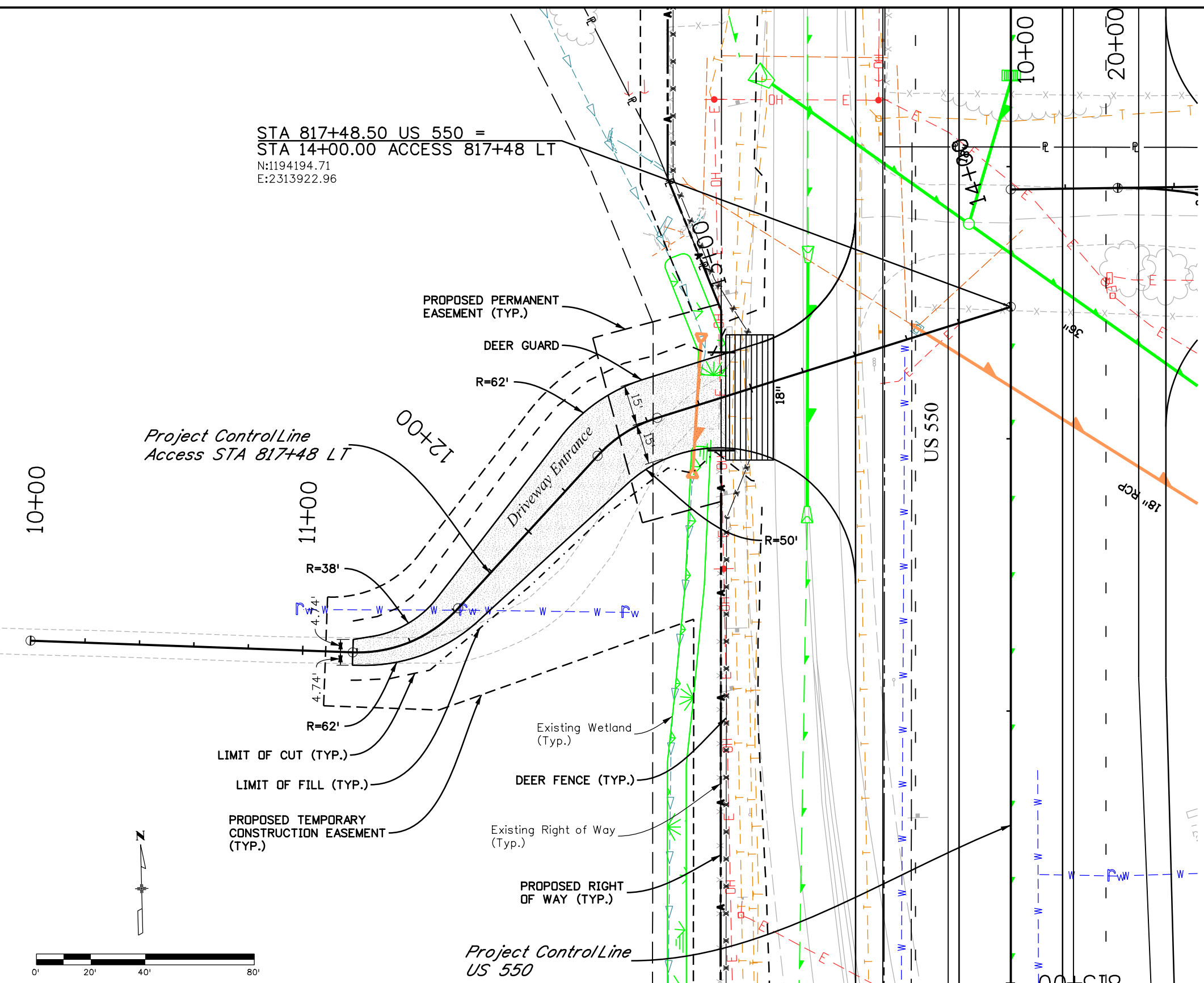
Element	Station	Northing	Easting
Element: Linear			
POB	10+00.00	1194081.2	2313559.966
PC	11+18.43	1194073.896	2313678.166
Tangential Direction:	S 86°27'51.3" E		
Tangential Length:	118.43		
Element: Circular			
PC	11+18.43	1194073.896	2313678.166
PI	11+41.56	1194072.47	2313701.254
CC		1194123.801	2313681.25
PT	11+61.76	1194089.143	2313717.288
Radius:	50		
Delta:	49°39'13.8" Left		
Degree of Curvature (Arc):	114°35'29.6"		
Length:	43.33		
Tangent:	23.13		
Chord:	41.99		
Middle Ordinate:	4.62		
External:	5.09		
Tangent Direction:	S 86°27'51.3" E		
Radial Direction:	S 3°32'08.7" W		
Chord Direction:	N 68°42'31.8" E		
Radial Direction:	S 46°07'05.1" E		
Tangent Direction:	N 43°52'54.9" E		
Element: Linear			
PT	11+61.76	1194089.143	2313717.288
PC	12+37.60	1194143.811	2313769.864
Tangential Direction:	N 43°52'54.9" E		
Tangential Length:	75.85		
Element: Circular			
PC	12+37.60	1194143.811	2313769.864
PI	12+51.06	1194153.511	2313779.192
CC		1194109.152	2313805.902
PT	12+63.90	1194157.218	2313792.129
Radius:	50		
Delta:	30°07'43.0" Right		
Degree of Curvature (Arc):	114°35'29.6"		
Length:	26.29		
Tangent:	13.46		
Chord:	25.99		
Middle Ordinate:	1.72		
External:	1.78		
Tangent Direction:	N 43°52'54.9" E		
Radial Direction:	S 46°07'05.1" E		
Chord Direction:	N 58°56'46.4" E		
Radial Direction:	S 15°59'22.1" E		
Tangent Direction:	N 74°00'37.9" E		
Element: Linear			
PT	12+63.90	1194157.218	2313792.129
POE	14+00.00	1194194.708	2313922.965
Tangential Direction:	N 74°00'37.9" E		
Tangential Length:	136.1		



FINAL REFERENCE DESIGN PLANS  
 JUNE 10, 2019

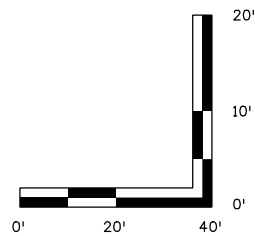
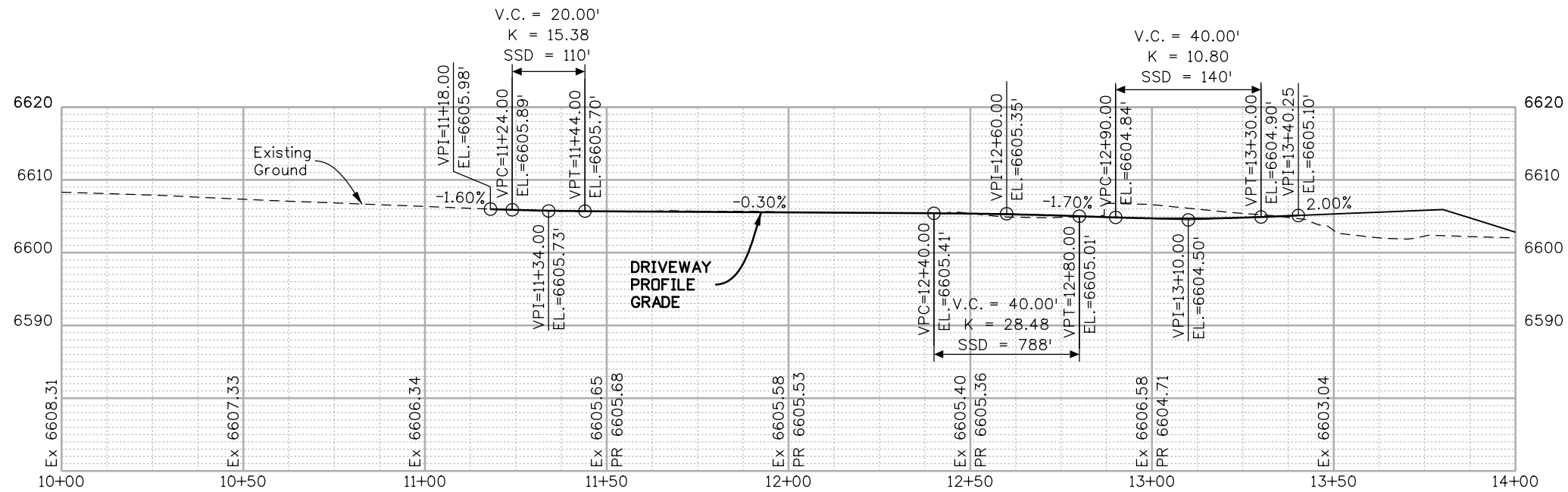


NZOLLER 3:33:39 PM pwr:\pwr\dscen01\h\DR\_US\_Central\_01\Documents\5704\10000255\10110222\16\_0\_CAD\_BIM\6.2\_WIP\Design\Drawings\Sheets\22420DES\_Access02.dgn



Print Date: 5/2/2019			As Constructed No Revisions: Revised: Void:	<b>ACCESS PLAN          DRIVEWAY ENTRANCE          STA 817+48 LT</b>	Project No./Code
File Name: 22420DES_Access02.dgn					NHPP 5501-029
Horiz. Scale: 1:40 Vert. Scale: As Noted					22420
1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202 Phone: 303-764-1520 FAX: 303-860-7139	0000	3803 North Main Avenue Durango, CO 81301 Phone: 970-385-1440 FAX: 970-385-8635 <b>Region 5</b>	<b>DRV</b>	Designer: NZ Detailer: MS Sheet Subset: ACCESS Subset Sheets: 2 of 53	Sheet Number <b>69</b>

NZOLLER 3:33:44 PM P:\p\hidruscen01:HDR\_US\_Central\_01\Documents\5704\10000255\10110222\6\_0\_CAD\_BIM\6.2\_WIP\Design\Drawings\Sheets\22420DES\_Access03.dgn



FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Print Date: 5/2/2019
File Name: 22420DES_Access03.dgn
Horiz. Scale: 1:40      Vert. Scale: As Noted
<b>HDR</b> 1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202 Phone: 303-764-1520      FAX: 303-860-7139

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation



3803 North Main Avenue  
Durango, CO 81301  
Phone: 970-385-1440    FAX: 970-385-8635

Region 5      DRV

As Constructed
No Revisions:
Revised:
Void:

ACCESS PROFILE DRIVEWAY ENTRANCE STA 817+48 LT			
Designer:	NZ	Structure	
Detailer:	MS	Numbers	
Sheet Subset:	ACCESS	Subset Sheets:	3 of 53

Project No./Code
NHPP 5501-029
22420
Sheet Number 70

GEOMETRIC DATA:

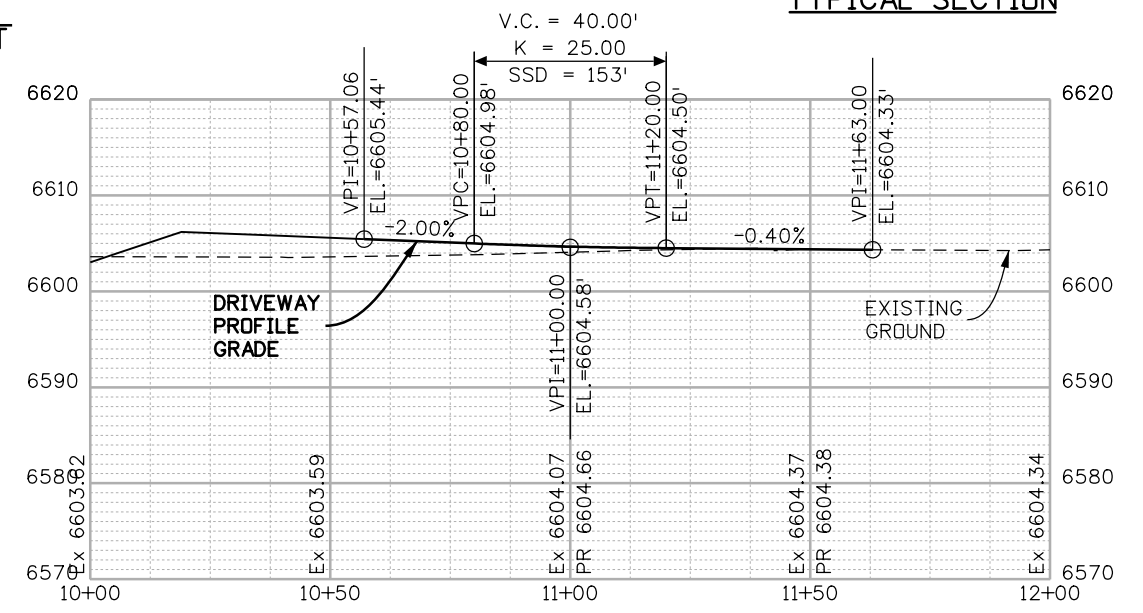
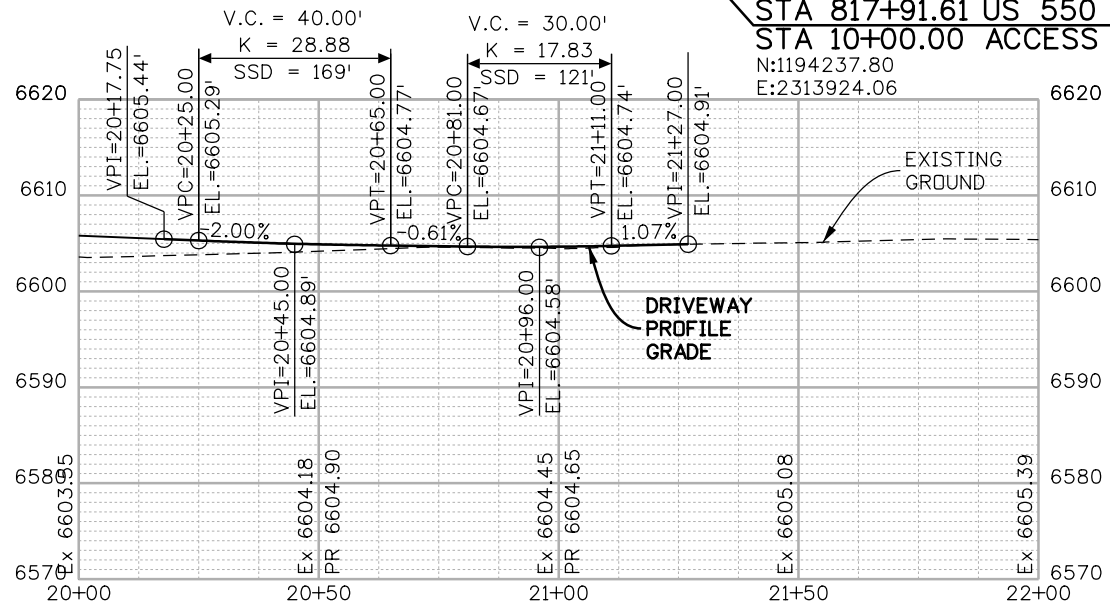
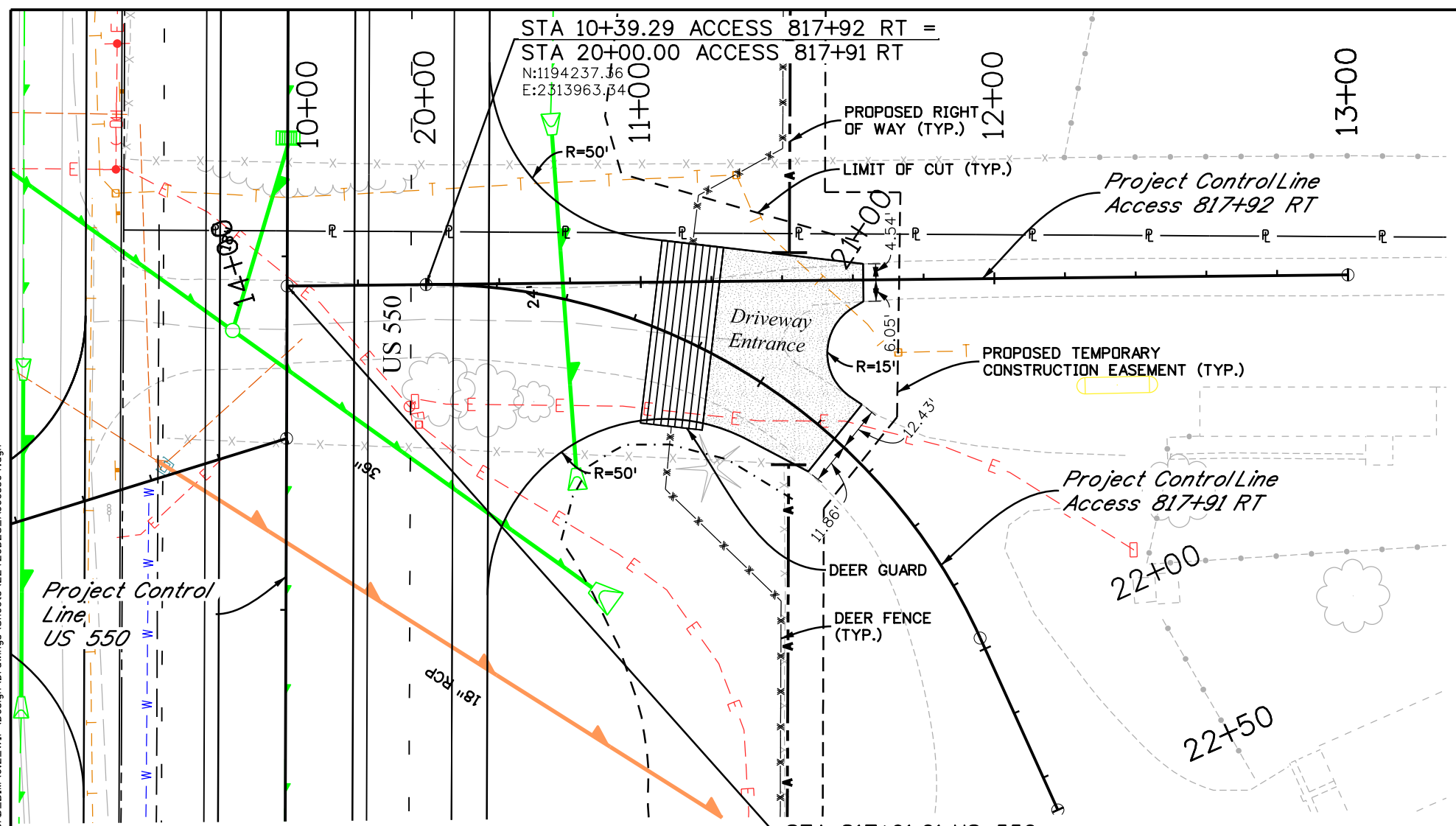
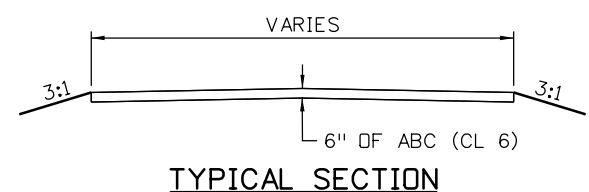
Alignment Name: 817+91 RT  
Alignment Description:  
Alignment Style: ALG\_SECONDARY

Element: Circular	Station	Northing	Easting
PC	20+00.00	1194237.364	2313963.338
PI	21+10.98	1194236.125	2314074.316
CC		1194067.375	2313961.439
PT	21+96.65	1194134.025	2314117.829
Radius:		170	
Delta:		66°16'37.9" Right	
Degree of Curvature (Arc):		33°42'12.2"	
Length:		196.65	
Tangent:		110.98	
Chord:		185.87	
Middle Ordinate:		27.65	
External:		33.02	
Tangent Direction:		S 89°21'35.8" E	
Radial Direction:		S 0°38'24.2" W	
Chord Direction:		S 56°13'16.9" E	
Radial Direction:		S 66°55'02.0" W	
Tangent Direction:		S 23°04'58.0" E	
Element: Linear			
PT	21+96.65	1194134.025	2314117.829
POE	22+50.00	1194084.945	2314138.746
Tangential Direction:		S 23°04'58.0" E	
Tangential Length:		53.35	

Alignment Name: 817+92 RT  
Alignment Description:  
Alignment Style: ALG\_SECONDARY

Element: Linear	Station	Northing	Easting
POB	10+00.00	1194237.803	2313924.055
POE	13+00.02	1194234.452	2314224.061
Tangential Direction:		S 89°21'35.8" E	
Tangential Length:		300.02	



Print Date: 5/2/2019  
File Name: 22420DES\_Access04.dgn  
Horiz. Scale: 1:40  
Vert. Scale: As Noted

Sheet Revisions		
Date:	Comments	Init.

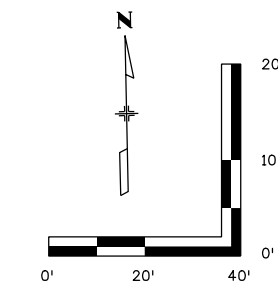
Colorado Department of Transportation  
3803 North Main Avenue  
Durango, CO 81301  
Phone: 970-385-1440 FAX: 970-385-8635  
Region 5  
DRV

As Constructed  
No Revisions:  
Revised:  
Void:

ACCESS PLAN AND PROFILE  
DRIVEWAY ENTRANCE  
STA 817+91 RT  
Designer: NZ  
Detailer: MS  
Sheet Subset: ACCESS  
Subset Sheets: 4 of 53

Project No./Code  
NHPP 5501-029  
22420  
Sheet Number 71

NZOLLER 3:33:50 PM pwr:\pwr\hdscen01\HDR\_US\_Central\_01\_Documents\5704\10000255\10110222\6.0\_CAD\_BIM\6.2\_WIP\Design\Drawings\Sheets\22420DES\_Access04.dgn





GEOMETRIC DATA:

Alignment Name: 823+47 LT  
Alignment Description:  
Alignment Style: ALG\_SECONDARY

Element: Linear	Station	Northing	Easting
POB	10+00.00	1194779.346	2313538.682
PC	11+08.49	1194776.401	2313647.127
Tangential Direction:	S 88°26'40.7" E		
Tangential Length:	108.49		

Element: Circular	Station	Northing	Easting
PC	11+08.49	1194776.401	2313647.127
PI	11+24.24	1194775.973	2313662.88
CC		1195126.272	2313656.627
PT	11+39.98	1194776.963	2313678.607
Radius:	350		
Delta:	5°09'21.2" Left		
Degree of Curvature (Arc):	16°22'12.8"		
Length:	31.5		
Tangent:	15.76		
Chord:	31.48		
Middle Ordinate:	0.35		
External:	0.35		
Tangent Direction:	S 88°26'40.7" E		
Radial Direction:	S 1°33'19.3" W		
Chord Direction:	N 88°58'38.7" E		
Radial Direction:	S 3°36'01.9" E		
Tangent Direction:	N 86°23'58.1" E		

Element: Linear	Station	Northing	Easting
PT	11+39.98	1194776.963	2313678.607
POE	14+00.00	1194793.292	2313938.11
Tangential Direction:	N 86°23'58.1" E		
Tangential Length:	260.02		

Alignment Name: 823+47 LT A  
Alignment Description:  
Alignment Style: ALG\_SECONDARY

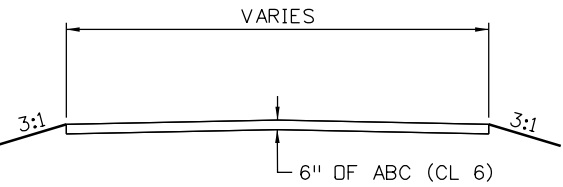
Element: Linear	Station	Northing	Easting
POB	20+00.00	1194707.137	2313763.193
POE	20+75.00	1194781.988	2313758.465
Tangential Direction:	N 3°36'51.1" W		
Tangential Length:	75		

Alignment Name: 823+47 RT  
Alignment Description:  
Alignment Style: ALG\_SECONDARY

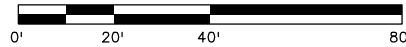
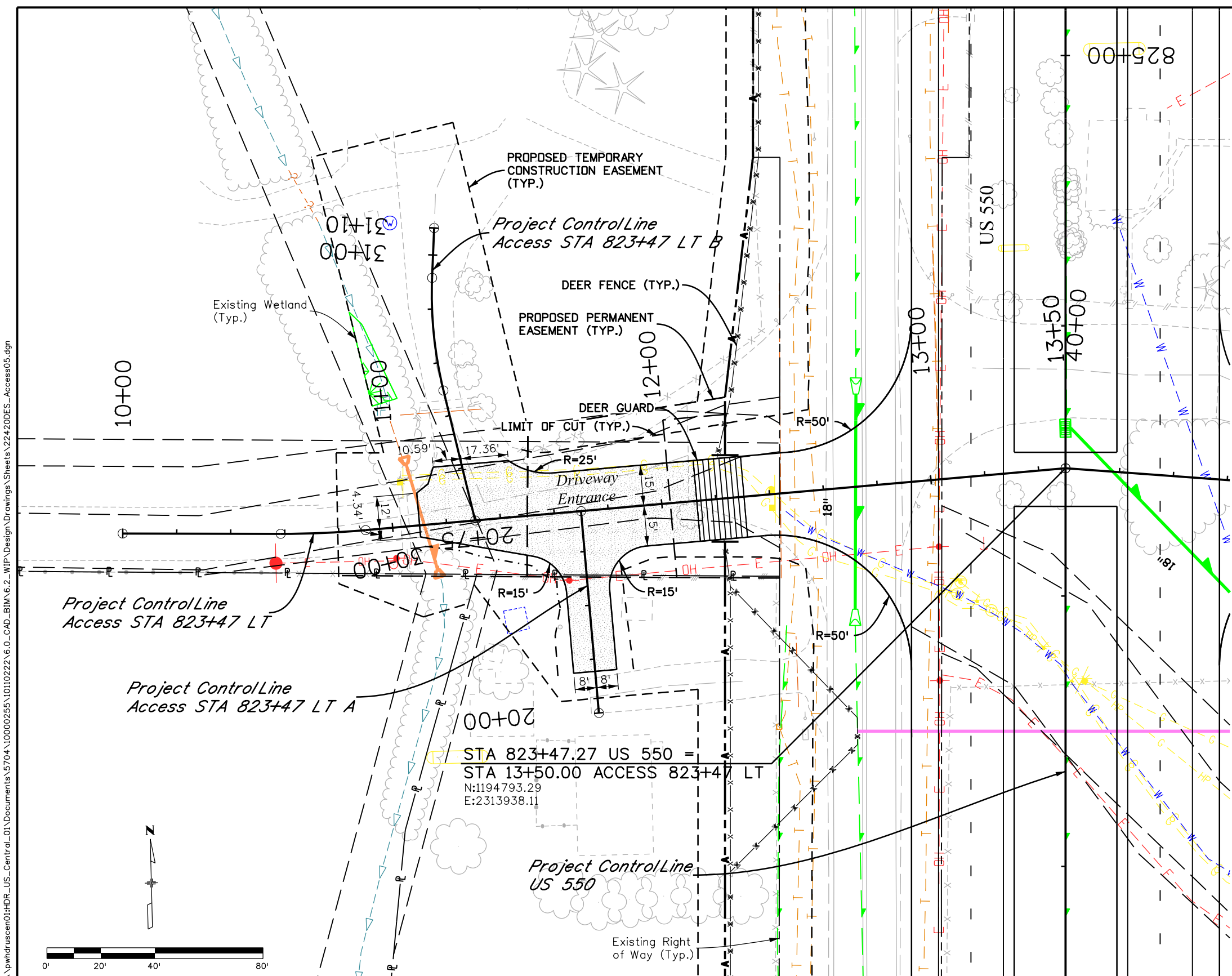
Element: Linear	Station	Northing	Easting
POB	40+00.00	1194793.292	2313938.11
POE	43+00.00	1194763.944	2314236.669
Tangential Direction:	S 84°23'09.7" E		
Tangential Length:	300		

Alignment Name: 823+47 LT B  
Alignment Description:  
Alignment Style: ALG\_SECONDARY

Element: Linear	Station	Northing	Easting
POB	30+00.00	1194779.518	2313719.22
POE	31+50.00	1194926.078	2313687.266
Tangential Direction:	N 12°17'58.2" W		
Tangential Length:	150		



Know what's below  
Call before you dig.



Print Date: 5/2/2019  
File Name: 22420DES\_Access05.dgn  
Horiz. Scale: 1:40 Vert. Scale: As Noted

**HDR** 1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202  
Phone: 303-764-1520 FAX: 303-860-7139

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

**CDOT**

3803 North Main Avenue  
Durango, CO 81301  
Phone: 970-385-1440 FAX: 970-385-8635

Region 5 **DRV**

As Constructed

No Revisions:

Revised:

Void:

ACCESS PLAN  
DRIVEWAY ENTRANCE  
STA 823+47 LT

Designer: NZ  
Detailer: MS

Structure Numbers

Sheet Subset: ACCESS Subset Sheets: 5 of 53

Project No./Code

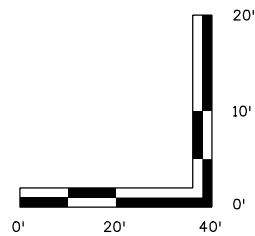
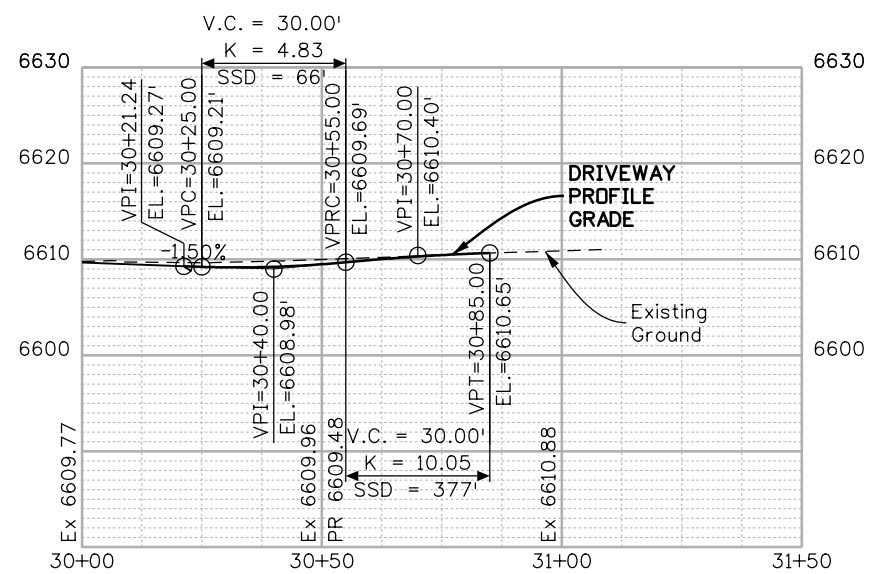
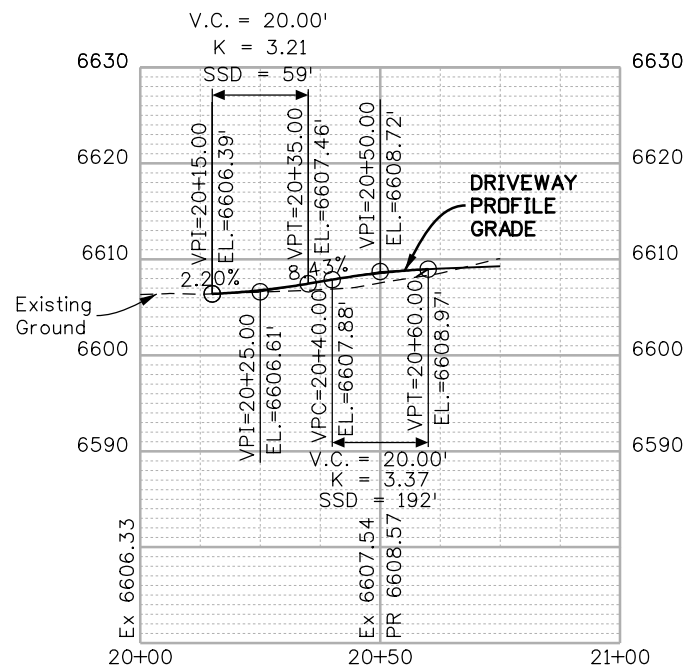
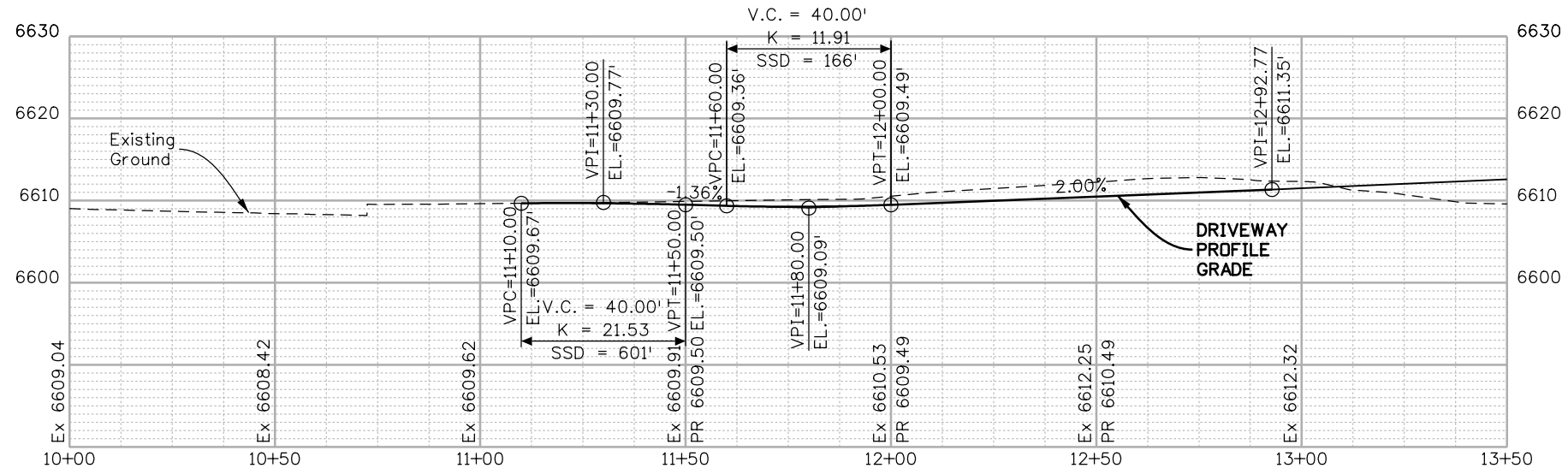
NHPP 5501-029

22420

Sheet Number **72**

NZOLLER 3:33:56 PM pwr:\pwr\druscen01\HDR\_US\_Central\_01\_Documents\5704\10000255\10110222\16\_0\_CAD\_BIM\6.2\_WIP\_Design\Drawings\Sheets\22420DES\_Access05.dgn

NZOLLER 3:34:04 PM P:\p\hidruscen01:HDR\_US\_Central\_01\Documents\5704\10000255\10110222\6\_0\_CAD\_BIM\6.2\_WIP\Design\Drawings\Sheets\22420DES\_Access06.dgn



FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Print Date: 5/2/2019  
File Name: 22420DES\_Access06.dgn  
Horiz. Scale: 1:40 Vert. Scale: As Noted

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation  
  
 3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440 FAX: 970-385-8635  
 Region 5 DRV

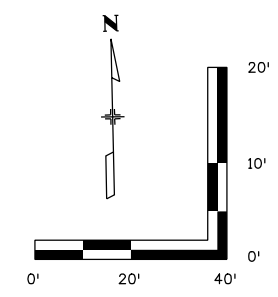
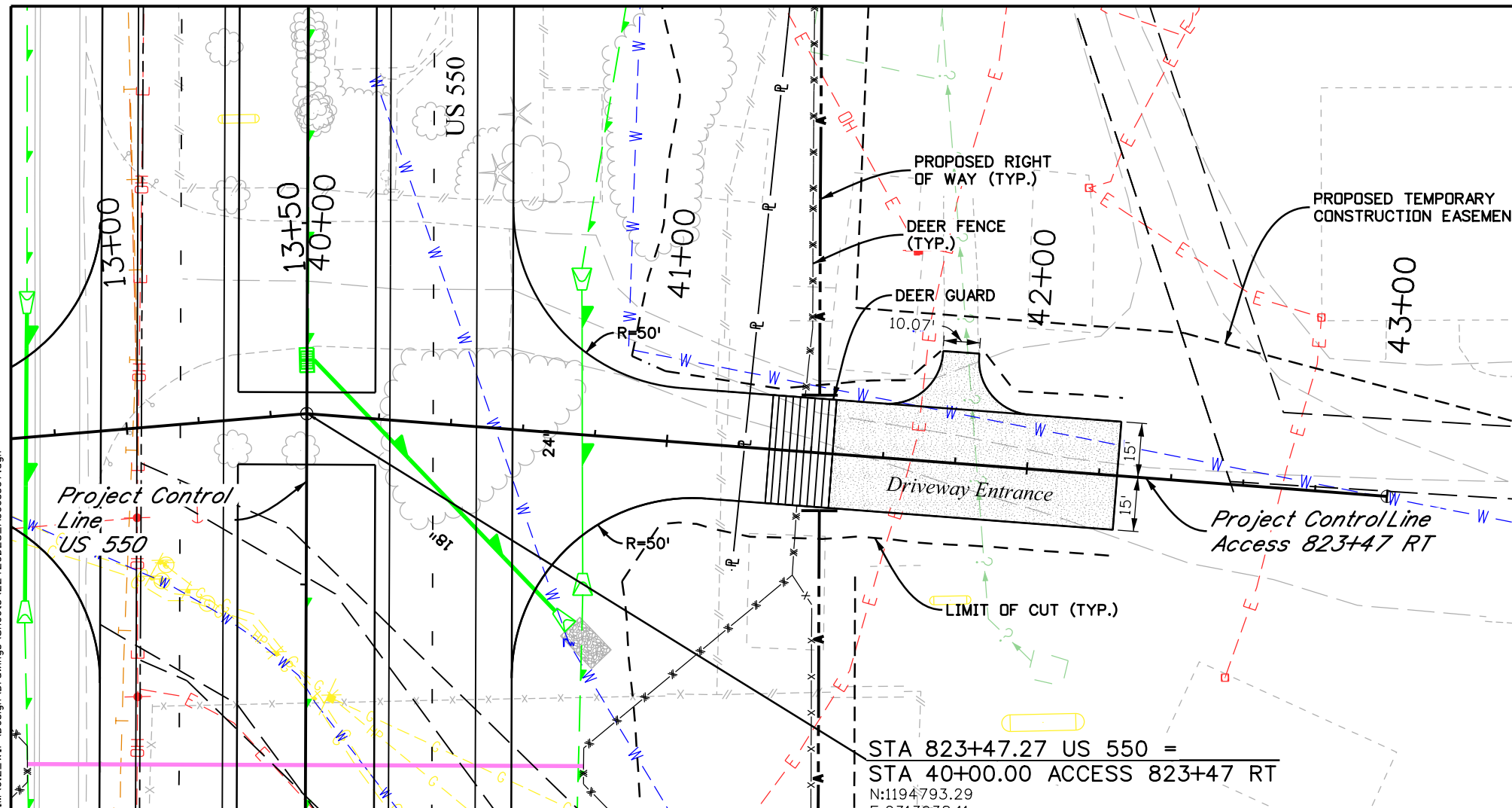
As Constructed  
 No Revisions:  
 Revised:  
 Void:

ACCESS PROFILE  
 DRIVEWAY ENTRANCE  
 STA 823+47 LT  
 Designer: NZ Structure Numbers  
 Detailer: MS  
 Sheet Subset: ACCESS Subset Sheets: 6 of 53

Project No./Code  
 NHPP 5501-029  
 22420  
 Sheet Number **73**

 1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202  
 Phone: 303-764-1520 FAX: 303-860-7139

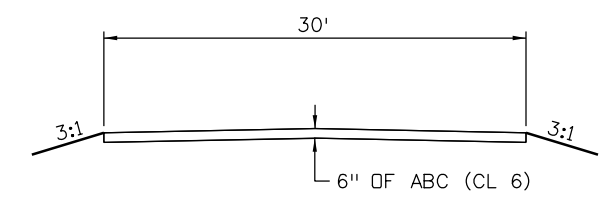
NZOLLER 3:34:08 PM pwr:\pwhidruscen01:HDR\_US\_Central\_01\_Documents\5704\10000255\10110222\6.0\_CAD\_BIM\6.2\_WIP\_Design\_Drawings\Sheets\22420DES\_Access07.dgn



**GEOMETRIC DATA:**

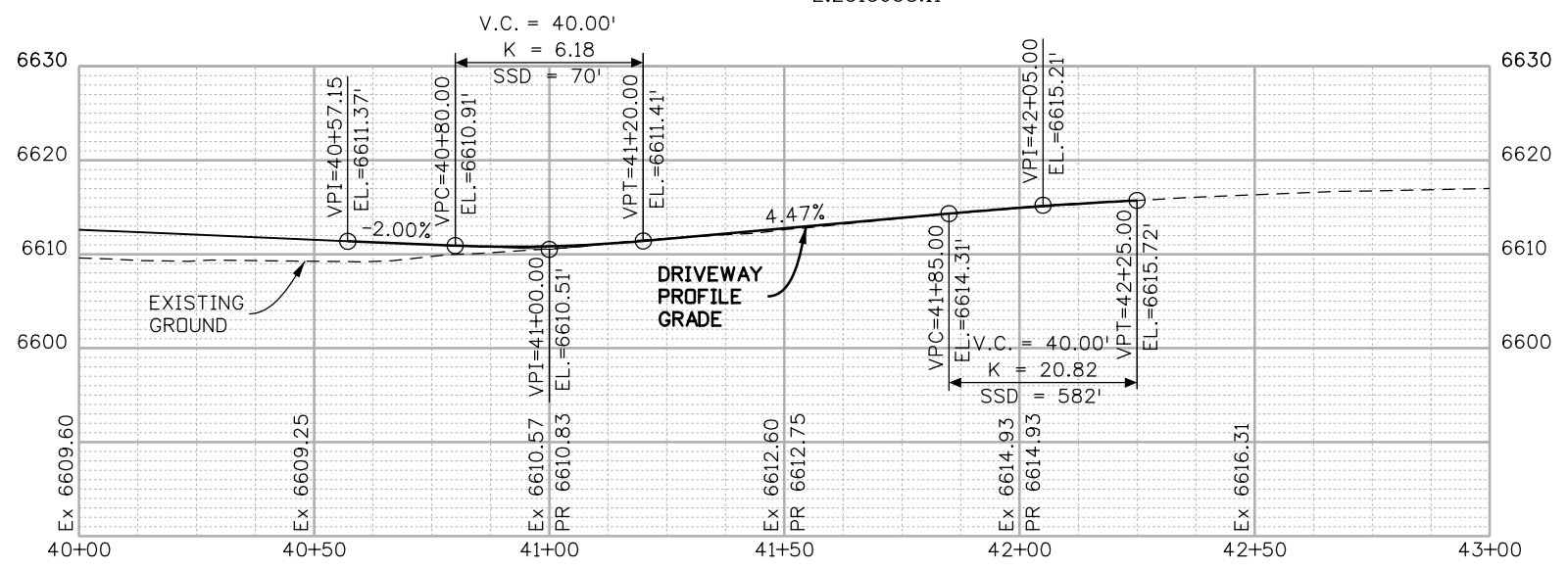
Alignment Name: 823+47 RT  
 Alignment Description:  
 Alignment Style: ALG\_SECONDARY

Element: Linear	Station	Northing	Easting
POB	40+00.00	1194793.292	2313938.11
POE	43+00.00	1194763.944	2314236.669
Tangential Direction:	S 84°23'09.7" E		
Tangential Length:	300		



**TYPICAL SECTION**

STA 823+47.27 US 550 =  
 STA 40+00.00 ACCESS 823+47 RT  
 N:1194793.29  
 E:2313938.11



FINAL REFERENCE DESIGN PLANS  
 JUNE 10, 2019



Print Date: 5/2/2019  
 File Name: 22420DES\_Access07.dgn  
 Horiz. Scale: 1:40      Vert. Scale: As Noted

**HDR** 1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202  
 Phone: 303-764-1520      FAX: 303-860-7139

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

**CDOT**

3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440      FAX: 970-385-8635

Region 5      DRV

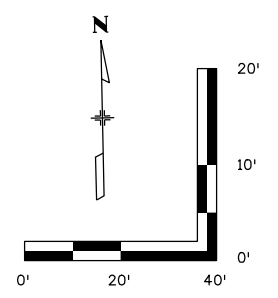
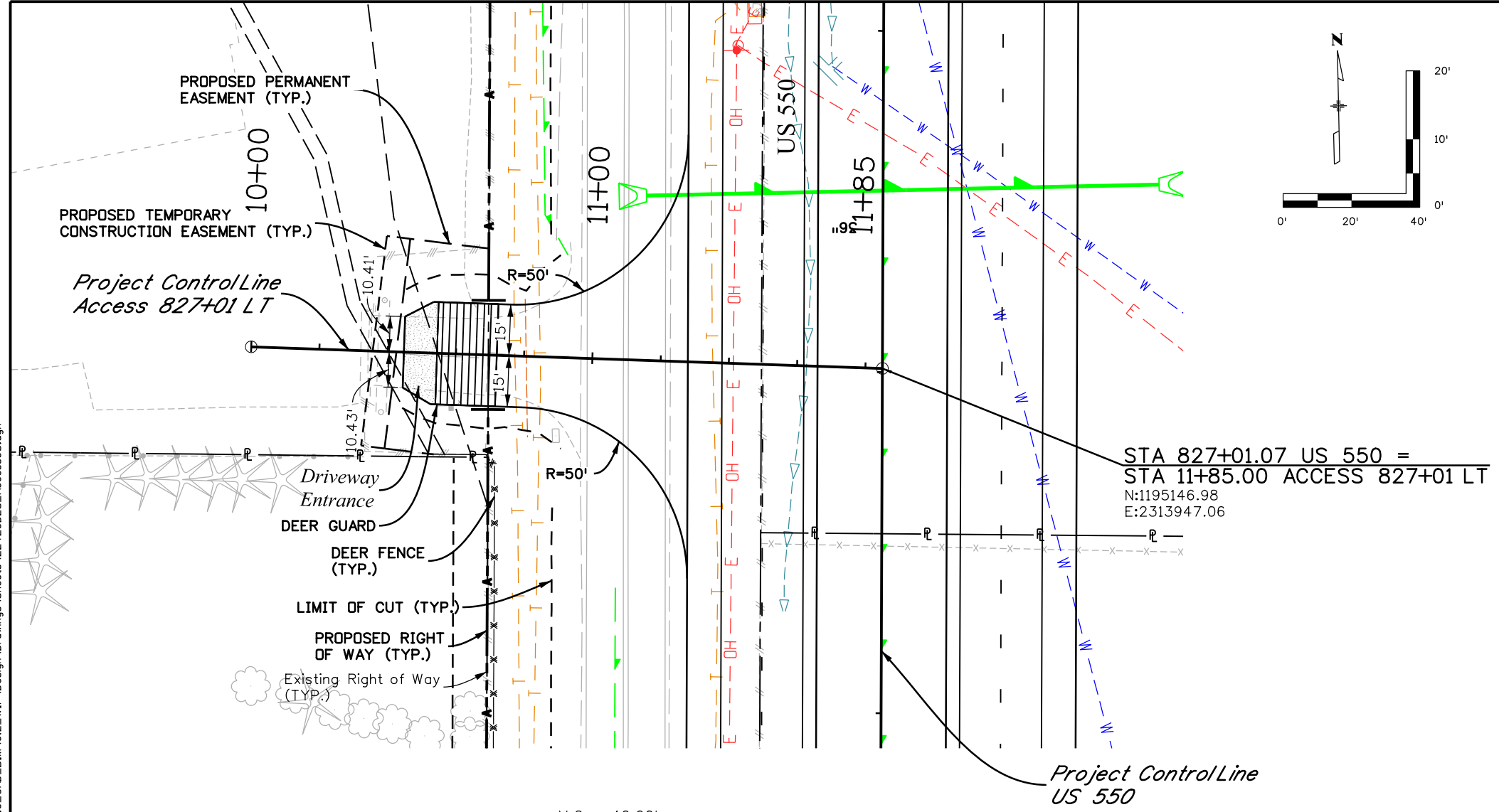
As Constructed
No Revisions:
Revised:
Void:

ACCESS PLAN AND PROFILE DRIVEWAY ENTRANCE STA 823+47 RT	
Designer: NZ	Structure Numbers
Detailer: MS	
Sheet Subset: ACCESS	Subset Sheets: 7 of 53

Project No./Code
NHPP 5501-029
22420
Sheet Number <b>74</b>



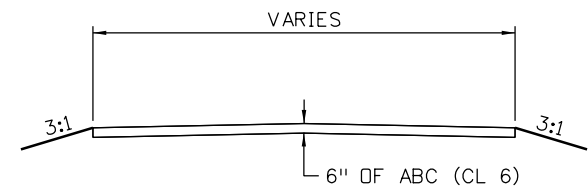
NZOLLER 3:34:18 PM pwr:\pwhruscen01:hdr\_us\_central\_01\Documents\5704\10000255\10110222\6.0\_CAD\_BIM\6.2\_WIP\_Design\Drawings\Sheets\22420DES\_Access08.dgn



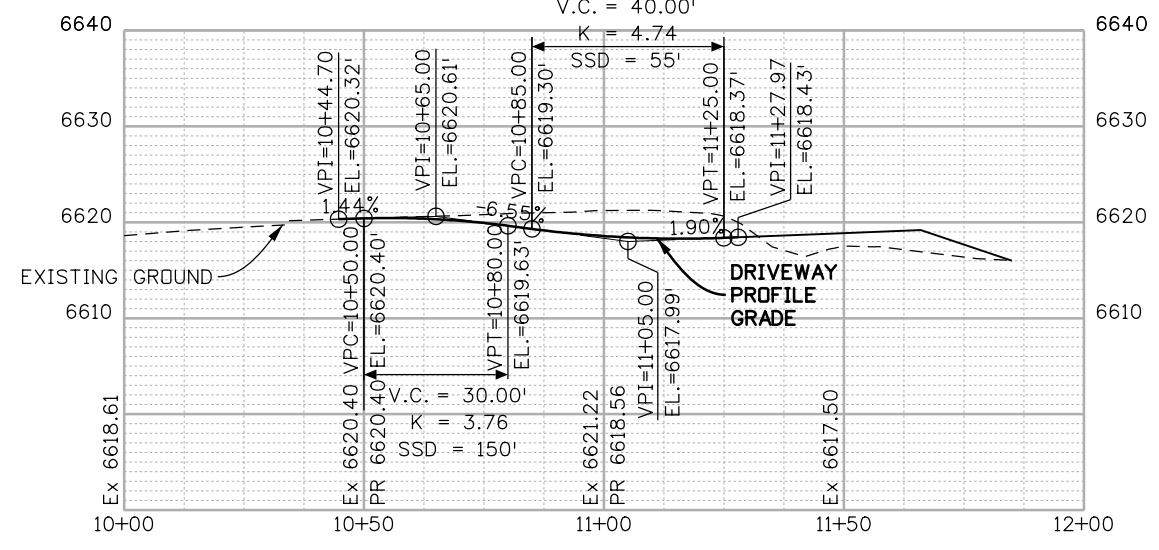
**GEOMETRIC DATA:**

Alignment Name: 827+01 LT  
 Alignment Description:  
 Alignment Style: ALG\_SECONDARY

Element: Linear	Station	Northing	Easting
POB	10+00.00	1195157.308	2313762.347
POE	11+85.00	1195146.979	2313947.059
Tangential Direction:	S 86°47'57.1" E		
Tangential Length:	185		



**TYPICAL SECTION**



FINAL REFERENCE DESIGN PLANS  
 JUNE 10, 2019



Know what's below  
 Call before you dig.

Print Date: 5/2/2019  
 File Name: 22420DES\_Access08.dgn  
 Horiz. Scale: 1:40  
 Vert. Scale: As Noted  
**HDR** 1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202  
 Phone: 303-764-1520 FAX: 303-860-7139

Sheet Revisions		
Date:	Comments	Init.

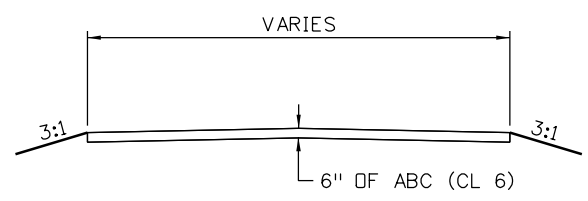
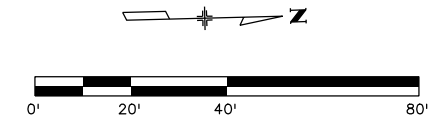
**Colorado Department of Transportation**  
  
 3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440 FAX: 970-385-8635  
**Region 5** **DRV**

**As Constructed**  
 No Revisions:  
 Revised:  
 Void:

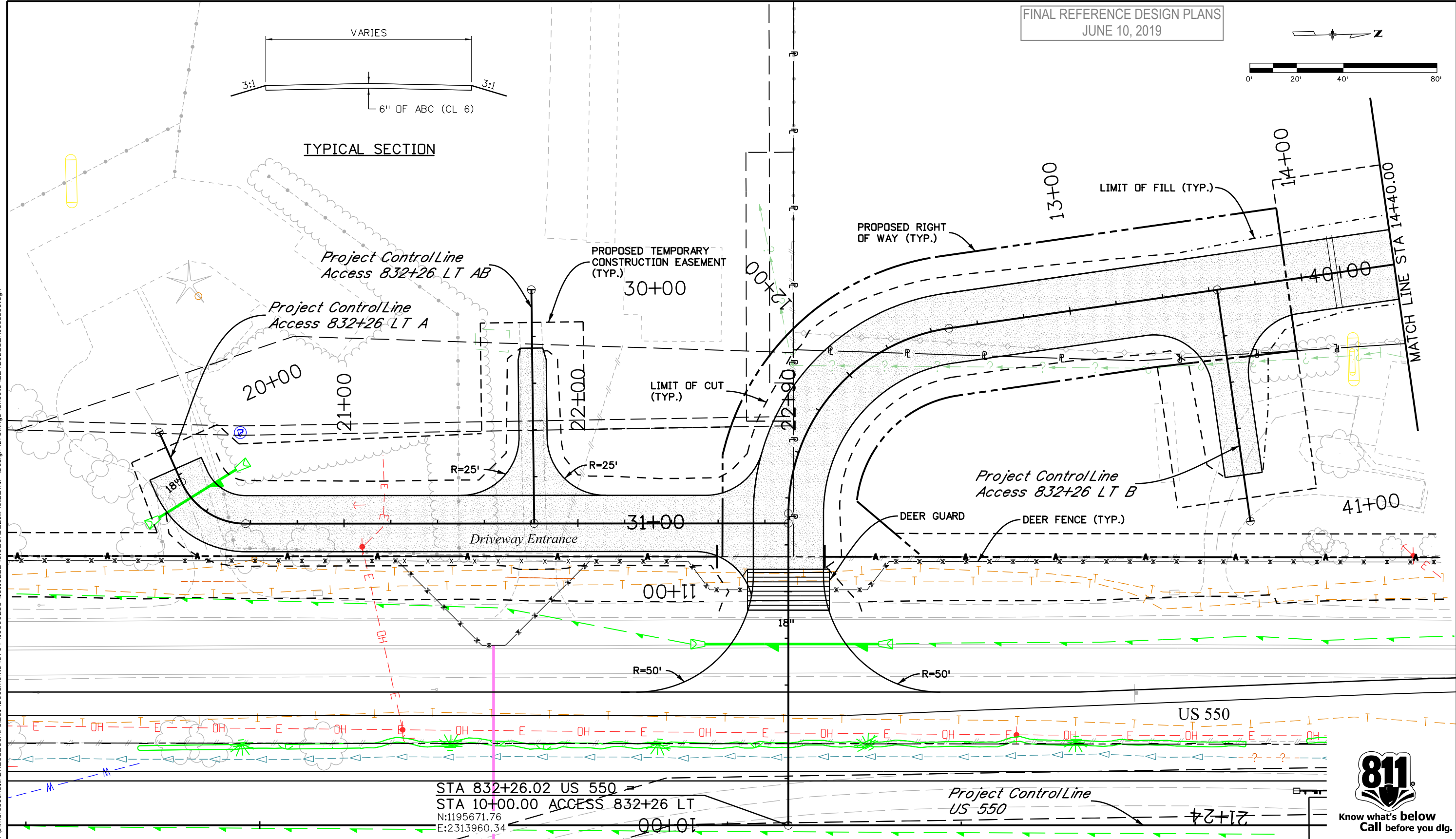
**ACCESS PLAN AND PROFILE  
 DRIVEWAY ENTRANCE  
 STA 827+01 LT**

Designer:	NZ	Structure Numbers	
Detailer:	MS	Subset Sheets:	8 of 53

**Project No./Code**  
 NHPP 5501-029  
 22420  
**Sheet Number 75**



TYPICAL SECTION



STA 832+26.02 US 550  
 STA 10+00.00 ACCESS 832+26 LT  
 N:1195671.76  
 E:2313960.34



Print Date: 5/2/2019  
 File Name: 22420DES\_Access09.dgn  
 Horiz. Scale: 1:40 Vert. Scale: As Noted

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation  
  
 3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440 FAX: 970-385-8635  
 Region 5 DRV

As Constructed  
 No Revisions:  
 Revised:  
 Void:

ACCESS PLAN  
 DRIVEWAY ENTRANCE  
 STA 832+26 LT

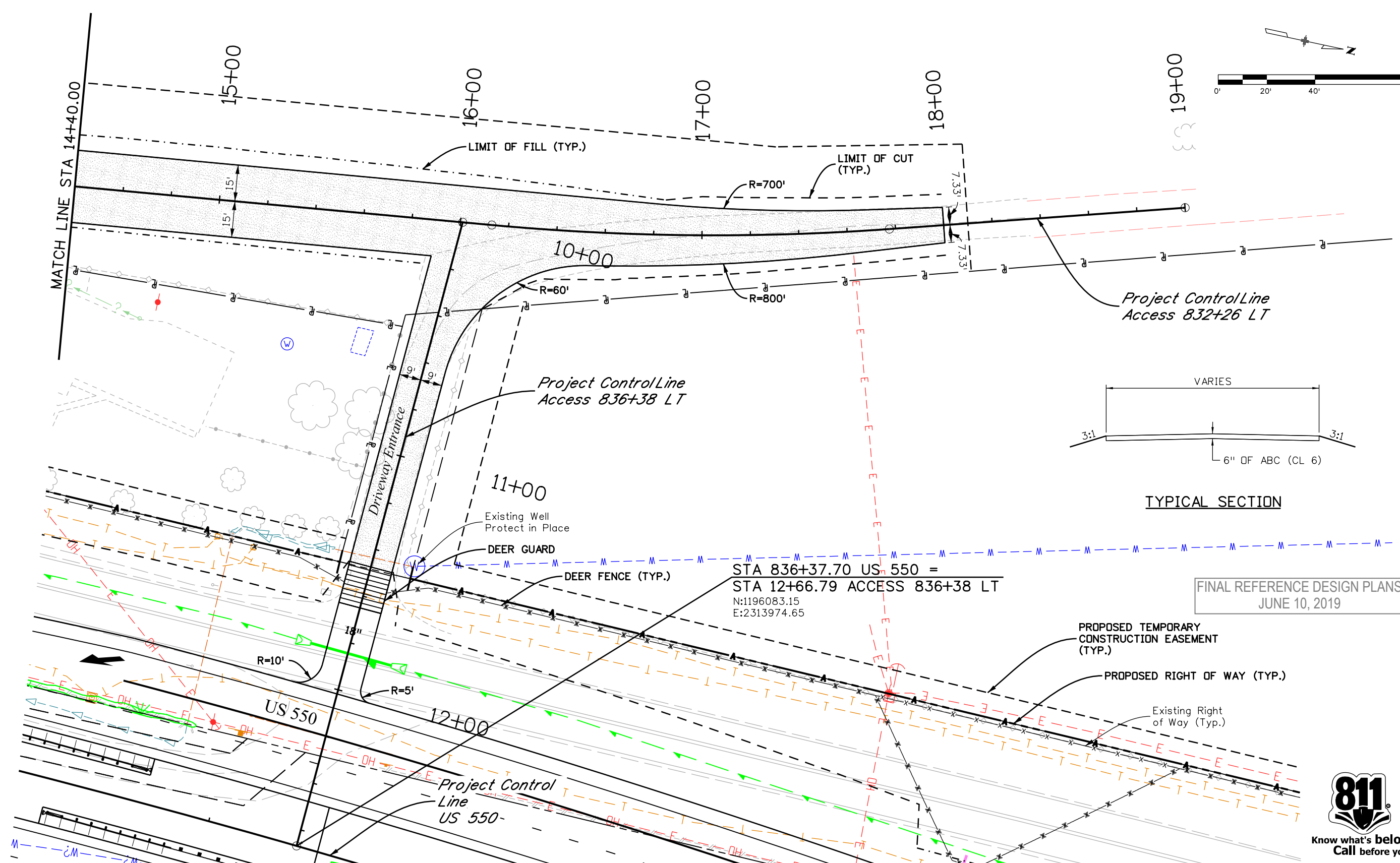
Designer: NZ  
 Detailer: MS  
 Sheet Subset: ACCESS  
 Structure Numbers:  
 Subset Sheets: 9 of 53

Project No./Code  
 NHPP 5501-029  
 22420  
 Sheet Number 76

NZOLLER 3:34:28 PM pwr:\pwrdrusen01\HDR\_US\_Central\_01\_Documents\5704\10000255\10110222\6\_0\_CAD\_BIM\6.2\_WIP\_Design\Drawings\Sheets\22420DES\_Access09.dgn



NZOLLER 3:34:39 PM pwr:\pwr\druseen01\HDR\_US\_Central\_01\Documents\5704\10000255\10110222\6.0\_CAD\_BIM\6.2\_WIP\Design\Drawings\Sheets\22420DES\_Access10.dgn



Print Date: 5/2/2019  
 File Name: 22420DES\_Access10.dgn  
 Horiz. Scale: 1:40 Vert. Scale: As Noted  
**HDR** 1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202  
 Phone: 303-764-1520 FAX: 303-860-7139

Sheet Revisions		
Date:	Comments	Init.

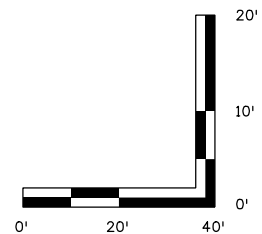
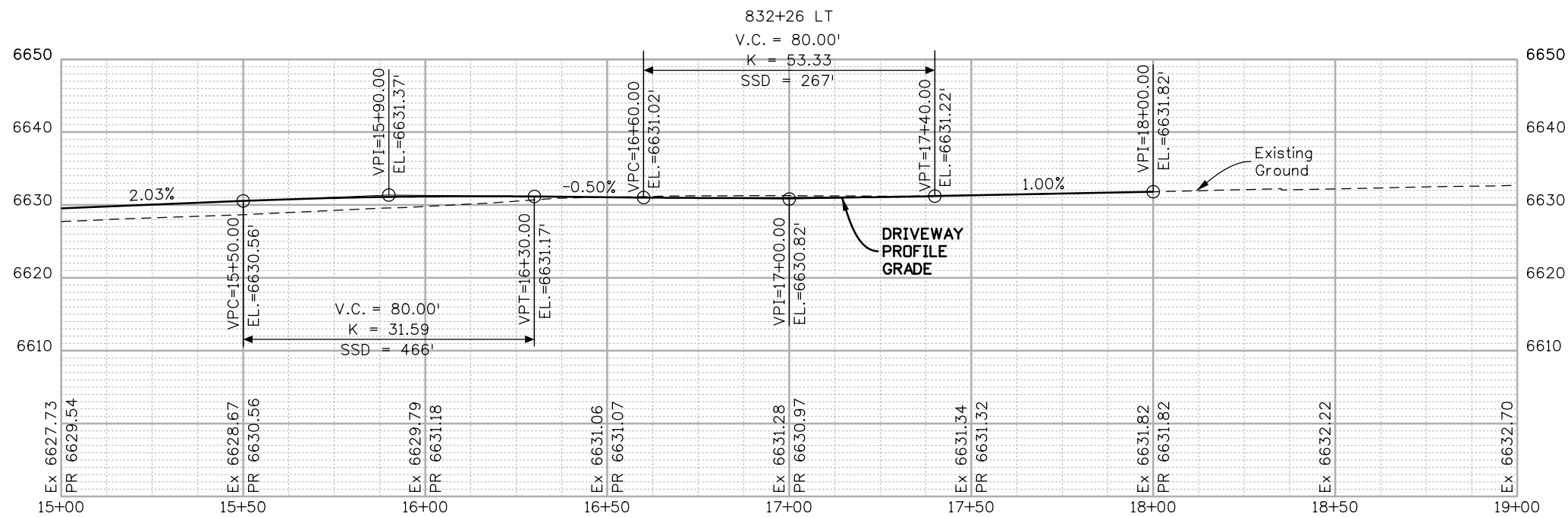
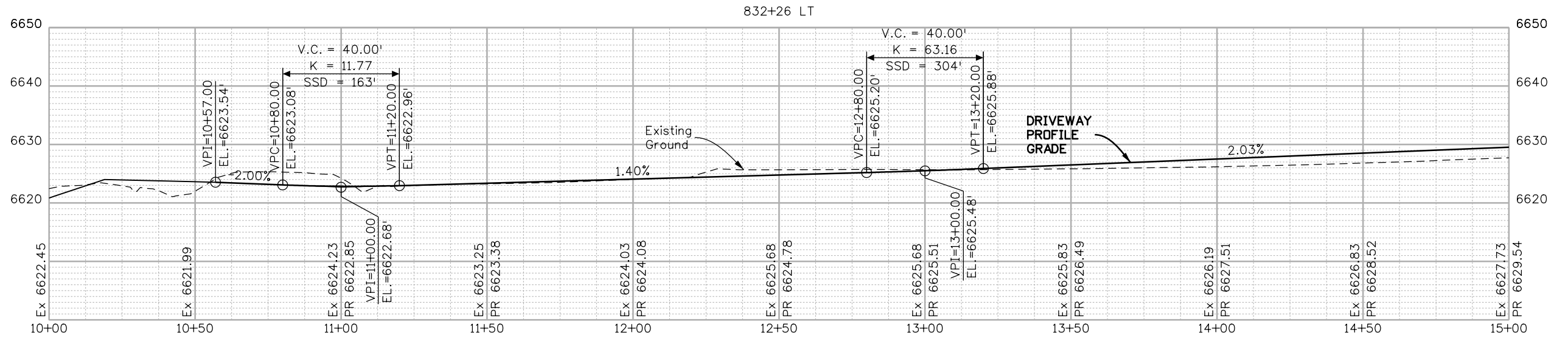
**Colorado Department of Transportation**  
  
 3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440 FAX: 970-385-8635  
**Region 5** **DRV**

**As Constructed**  
 No Revisions:  
 Revised:  
 Void:

**ACCESS PLAN**  
**DRIVEWAY ENTRANCE**  
**STA 832+26 LT**  
 Designer: NZ  
 Detailer: MS  
 Sheet Subset: ACCESS  
 Structure Numbers:  
 Subset Sheets: 10 of 53

**Project No./Code**  
 NHPP 5501-029  
 22420  
 Sheet Number **77**


NZOLLER 3:34:42 PM pwr:\pwhidruscen01:HDR\_US\_Central\_01\Documents\5704\10000255\10110222\6.0\_CAD\_BIM\6.2\_WIP\Design\Drawings\Sheets\22420DES\_Access11.dgn



FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Print Date: 5/2/2019  
File Name: 22420DES\_Access11.dgn  
Horiz. Scale: 1:40      Vert. Scale: As Noted



1670 BROADWAY, SUITE 3400    DENVER, COLORADO 80202  
Phone: 303-764-1520      FAX: 303-860-7139

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation



3803 North Main Avenue  
Durango, CO 81301  
Phone: 970-385-1440    FAX: 970-385-8635

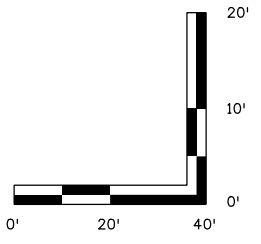
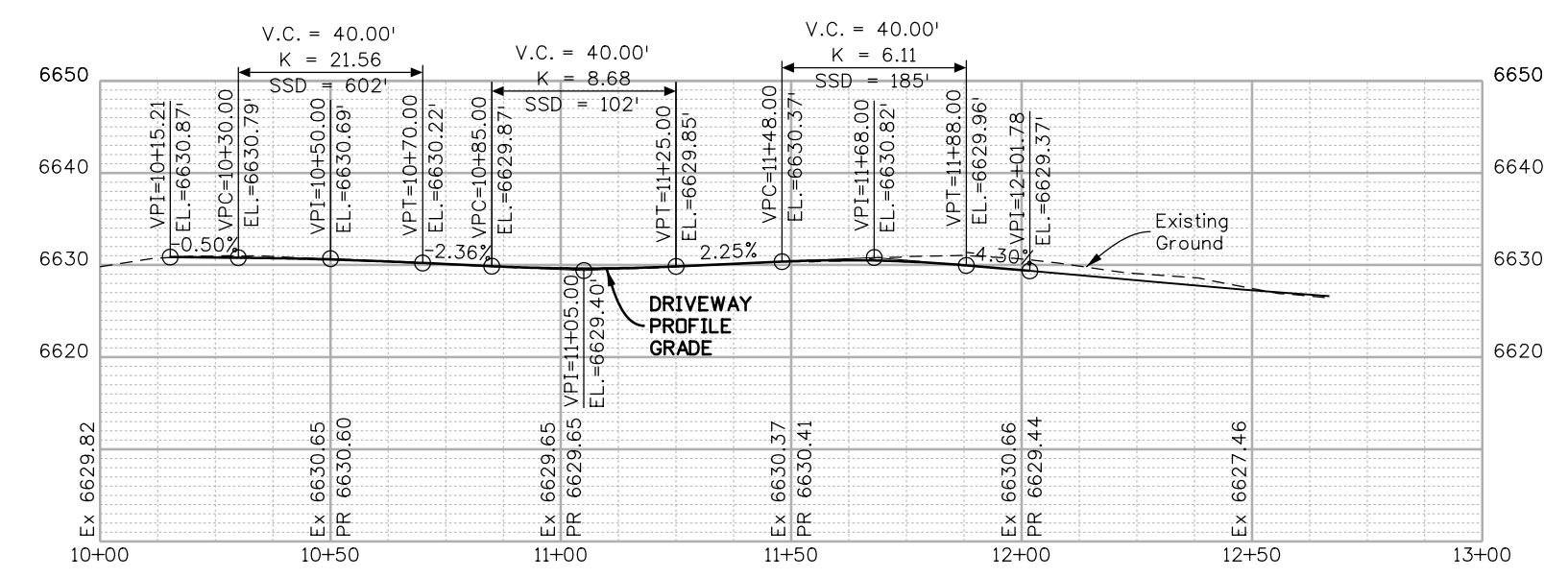
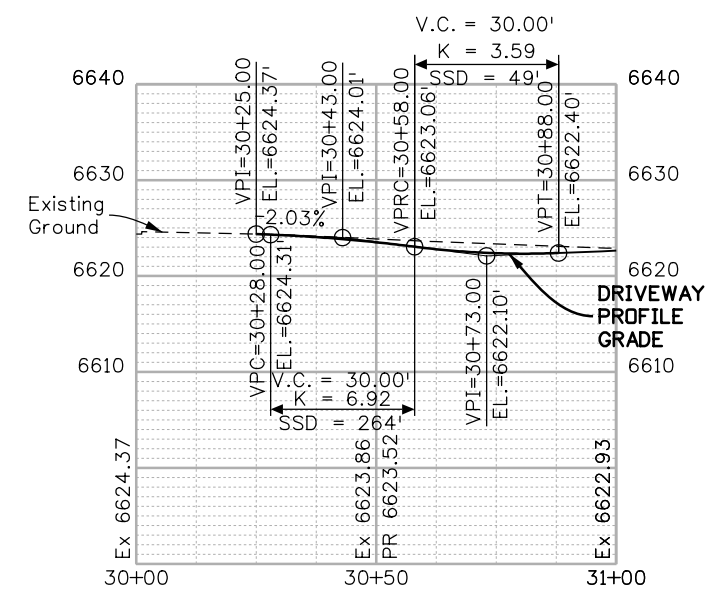
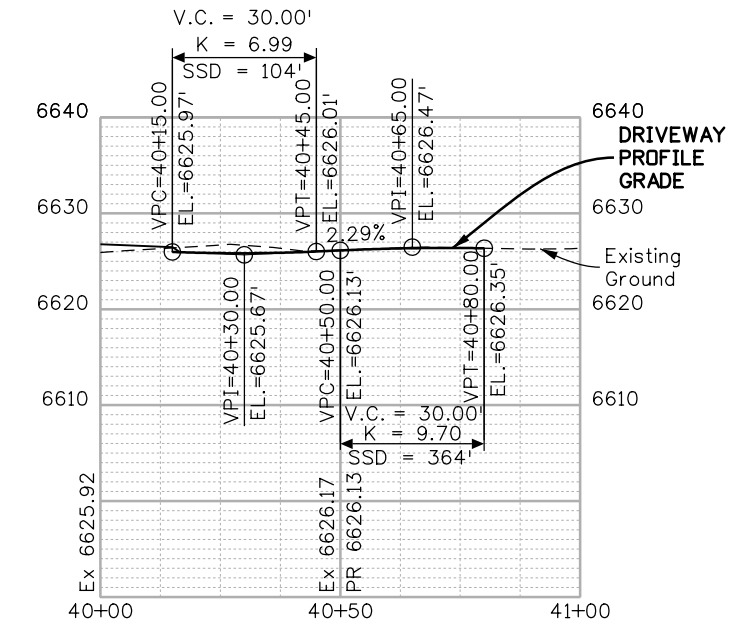
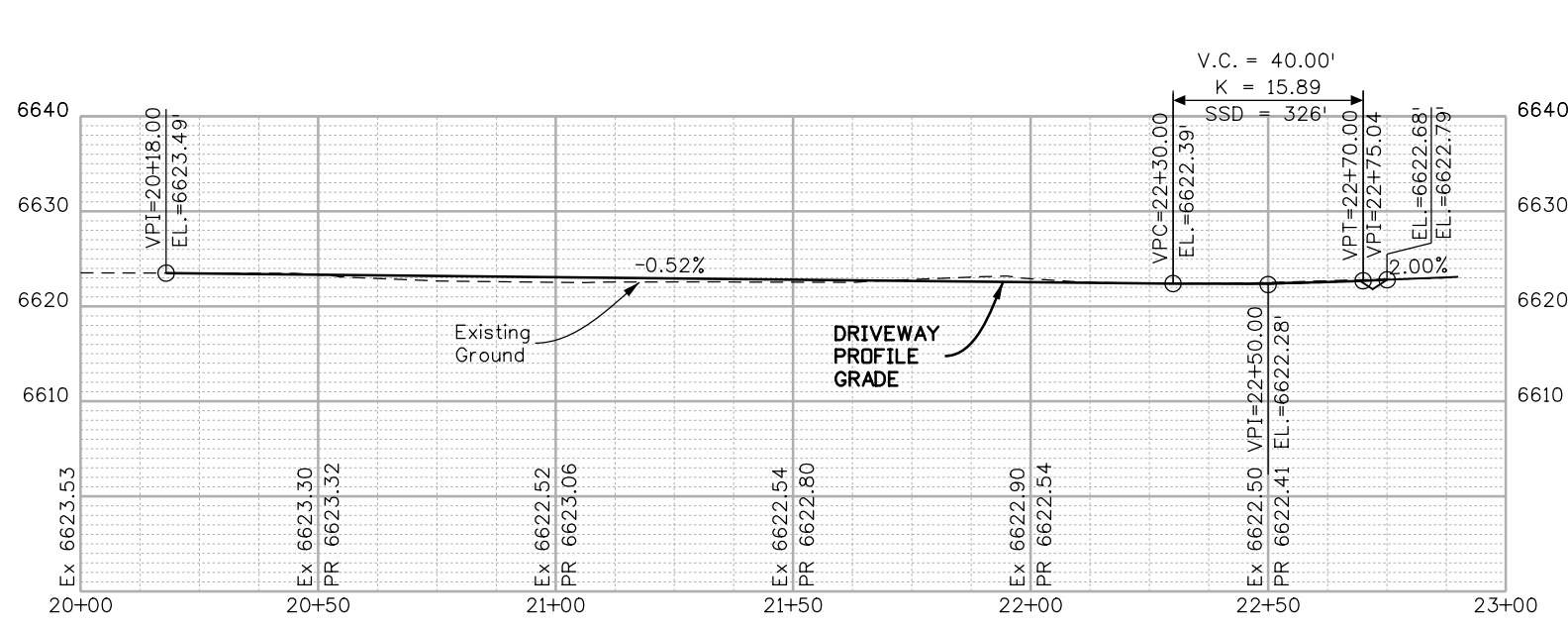
Region 5      DRV

As Constructed	
No Revisions:	
Revised:	
Void:	

ACCESS PROFILE DRIVEWAY ENTRANCE STA 832+26 LT			
Designer:	NZ	Structure	
Detailer:	MS	Numbers	
Sheet Subset:	ACCESS	Subset Sheets:	11 of 53

Project No./Code	NHPP 5501-029
	22420
Sheet Number	78

NZOLLER 3:34:45 PM P:\p\hidruscen01\HDR\_US\_Central\_01\Documents\5704\10000255\10110222\6.0\_CAD\_BIM\6.2\_WIP\_Design\Drawings\Sheets\22420DES\_Access12.dgn



FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Print Date: 5/2/2019  
 File Name: 22420DES\_Access12.dgn  
 Horiz. Scale: 1:40      Vert. Scale: As Noted  
**HDR** 1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202  
 Phone: 303-764-1520      FAX: 303-860-7139

Sheet Revisions		
Date:	Comments	Init.

**Colorado Department of Transportation**  
  
 3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440      FAX: 970-385-8635  
**Region 5**      **DRV**

**As Constructed**  
 No Revisions:  
 Revised:  
 Void:

**ACCESS PROFILE  
DRIVEWAY ENTRANCE  
STA 832+26 LT A, B, AB**  
 Designer: NZ  
 Detailer: MS  
 Sheet Subset: ACCESS      Subset Sheets: 12 of 53

**Project No./Code**  
 NHPP 5501-029  
 22420  
**Sheet Number 79**

**GEOMETRIC DATA:**

Alignment Name: 832+26 LT  
 Alignment Description:  
 Alignment Style: ALG\_SECONDARY

	Station	Northing	Easting
Element: Linear			
POB	10+00.00	1195671.763	2313960.336
PC	11+33.44	1195675.185	2313826.942
Tangential Direction:	N 88°31'49.6" W		
Tangential Length:	133.44		
Element: Circular			
PC	11+33.44	1195675.185	2313826.942
PI	12+02.75	1195676.962	2313757.655
CC		1195755.159	2313828.994
PT	12+47.67	1195745.797	2313749.544
Radius:	80		
Delta:	81°48'36.1" Right		
Degree of Curvature (Arc):	71°37'11.0"		
Length:	114.23		
Tangent:	69.31		
Chord:	104.77		
Middle Ordinate:	19.54		
External:	25.85		
Tangent Direction:	N 88°31'49.6" W		
Radial Direction:	N 1°28'10.4" E		
Chord Direction:	N 47°37'31.6" W		
Radial Direction:	N 83°16'46.5" E		
Tangent Direction:	N 6°43'13.5" W		
Element: Linear			
PT	12+47.67	1195745.797	2313749.544
PC	16+13.03	1196108.65	2313706.787
Tangential Direction:	N 6°43'13.5" W		
Tangential Length:	365.36		
Element: Circular			
PC	16+13.03	1196108.65	2313706.787
PI	16+95.44	1196190.497	2313697.143
CC		1195991.625	2312713.658
PT	17+77.48	1196269.661	2313674.229
Radius:	1000		
Delta:	9°25'21.3" Left		
Degree of Curvature (Arc):	5°43'46.5"		
Length:	164.46		
Tangent:	82.41		
Chord:	164.27		
Middle Ordinate:	3.38		
External:	3.39		
Tangent Direction:	N 6°43'13.5" W		
Radial Direction:	N 83°16'46.5" E		
Chord Direction:	N 11°25'54.2" W		
Radial Direction:	N 73°51'25.1" E		
Tangent Direction:	N 16°08'34.9" W		
Element: Linear			
PT	17+77.48	1196269.661	2313674.229
POE	20+00.00	1196483.406	2313612.361
Tangential Direction:	N 16°08'34.9" W		
Tangential Length:	222.52		

Alignment Name: 832+26 LT A  
 Alignment Description:  
 Alignment Style: ALG\_SECONDARY

	Station	Northing	Easting
Element: Linear			
POB	20+00.00	1195414.757	2313800.767
PC	20+11.10	1195419.01	2313811.025
Tangential Direction:	N 67°28'43.0" E		
Tangential Length:	11.1		
Element: Circular			
PC	20+11.10	1195419.01	2313811.025
PI	20+30.61	1195426.481	2313829.041
CC		1195446.723	2313799.534
PT	20+45.69	1195445.979	2313829.524
Radius:	30		
Delta:	66°03'28.8" Left		
Degree of Curvature (Arc):	190°59'09.4"		
Length:	34.59		
Tangent:	19.5		
Chord:	32.7		
Middle Ordinate:	4.85		
External:	5.78		
Tangent Direction:	N 67°28'43.0" E		
Radial Direction:	S 22°31'17.0" E		
Chord Direction:	N 34°26'58.6" E		
Radial Direction:	S 88°34'45.8" E		
Tangent Direction:	N 1°25'14.2" E		
Element: Linear			
PT	20+45.69	1195445.979	2313829.524
POE	22+74.76	1195674.973	2313835.203
Tangential Direction:	N 1°25'14.2" E		
Tangential Length:	229.06		

Alignment Name: 832+26 LT B  
 Alignment Description:  
 Alignment Style: ALG\_SECONDARY

	Station	Northing	Easting
Element: Linear			
POB	40+00.00	1195860.902	2313735.98
POE	41+00.00	1195872.604	2313835.293
Tangential Direction:	N 83°16'46.5" E		
Tangential Length:	100		

Alignment Name: 832+26 LT AB  
 Alignment Description:  
 Alignment Style: ALG\_SECONDARY

	Station	Northing	Easting
Element: Linear			
POB	30+00.00	1195567.64	2313732.509
POE	31+00.01	1195566.336	2313832.508
Tangential Direction:	S 89°15'11.4" E		
Tangential Length:	100.01		

Alignment Name: 836+38 LT  
 Alignment Description:  
 Alignment Style: ALG\_PRO

	Station	Northing	Easting
Element: Linear			
POB	10+00.00	1196096.634	2313708.203
POE	12+66.79	1196083.152	2313974.65
Tangential Direction:	S 87°06'12.0" E		
Tangential Length:	266.79		

NZOLLER 3:34:48 PM pwr:\pwhdriscen01:HDR\_US\_Central\_01\_Documents\5704\10000255\10110222\6\_0\_CAD\_BIM\6.2\_WIP\_Design\_Drawings\Sheets\22420DES\_Access13.dgn

FINAL REFERENCE DESIGN PLANS  
 JUNE 10, 2019



Know what's below  
 Call before you dig.

Print Date: 5/2/2019  
 File Name: 22420DES\_Access13.dgn  
 Horiz. Scale: 1:40      Vert. Scale: As Noted

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation  
 3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440 FAX: 970-385-8635  
**Region 5**      **DRV**

As Constructed  
 No Revisions:  
 Revised:  
 Void:

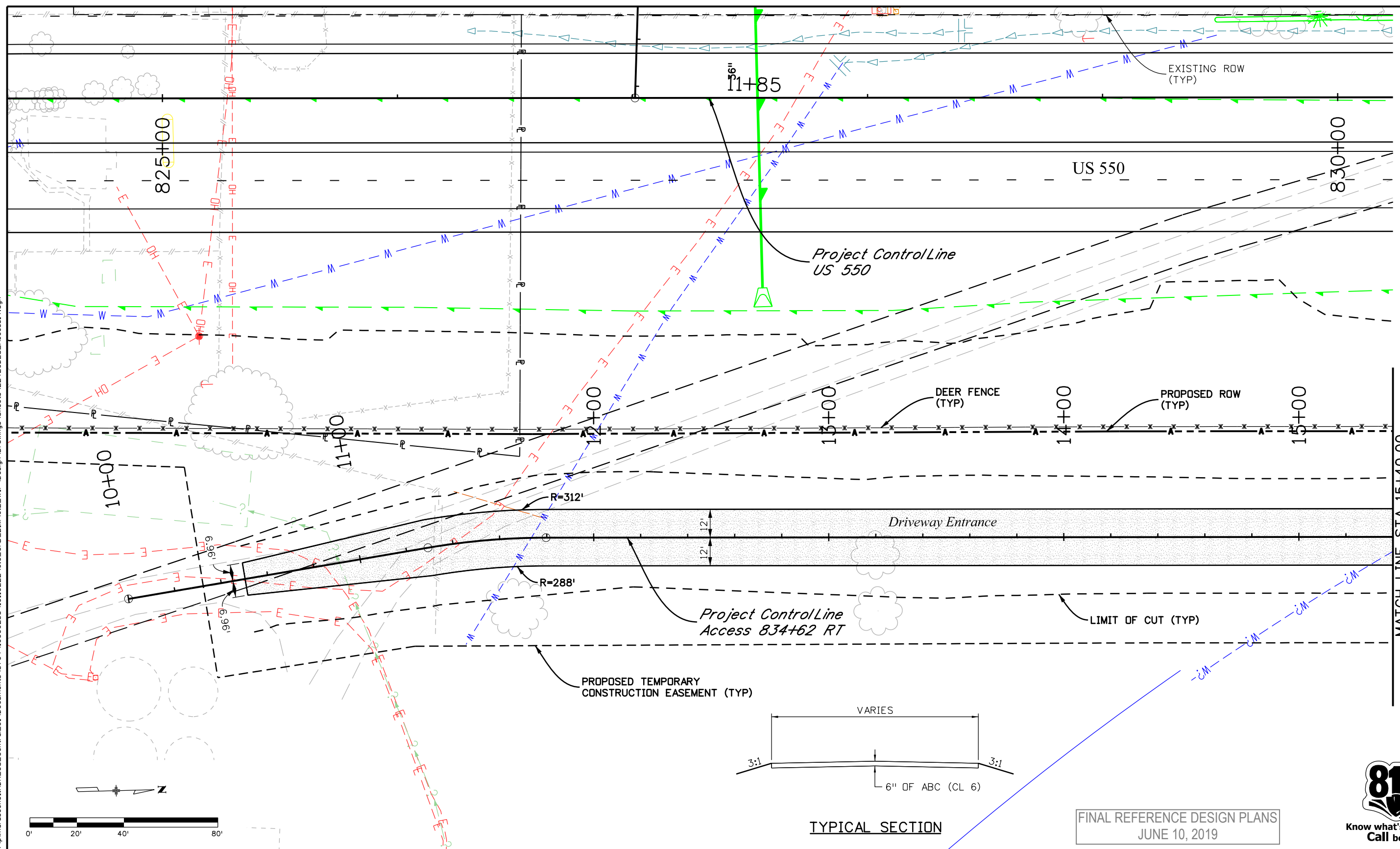
ACCESS DATA  
 DRIVEWAY ENTRANCE  
 STA 832+26 LT, A, B, AB  
 Designer: NZ  
 Detailer: MS  
 Sheet Subset: ACCESS      Subset Sheets: 13 of 53

Project No./Code  
 NHPP 5501-029  
 22420  
 Sheet Number **80**

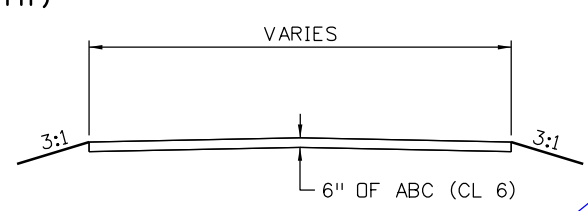
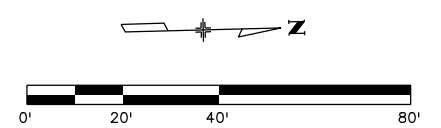
1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202  
 Phone: 303-764-1520 FAX: 303-860-7139



NZOLLER 3:34:58 PM pwr:\pwr\druseen01\HDR\_US\_Central\_01\Documents\5704\10000255\10110222\6\_0\_CAD\_BIM\6.2\_WIP\Design\Drawings\Sheets\22420DES\_Access14.dgn



MATCH LINE STA 15+40.00



FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Print Date: 5/2/2019  
 File Name: 22420DES\_Access14.dgn  
 Horiz. Scale: 1:40      Vert. Scale: As Noted  
**HDR** 1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202  
 Phone: 303-764-1520      FAX: 303-860-7139

Sheet Revisions		
Date:	Comments	Init.

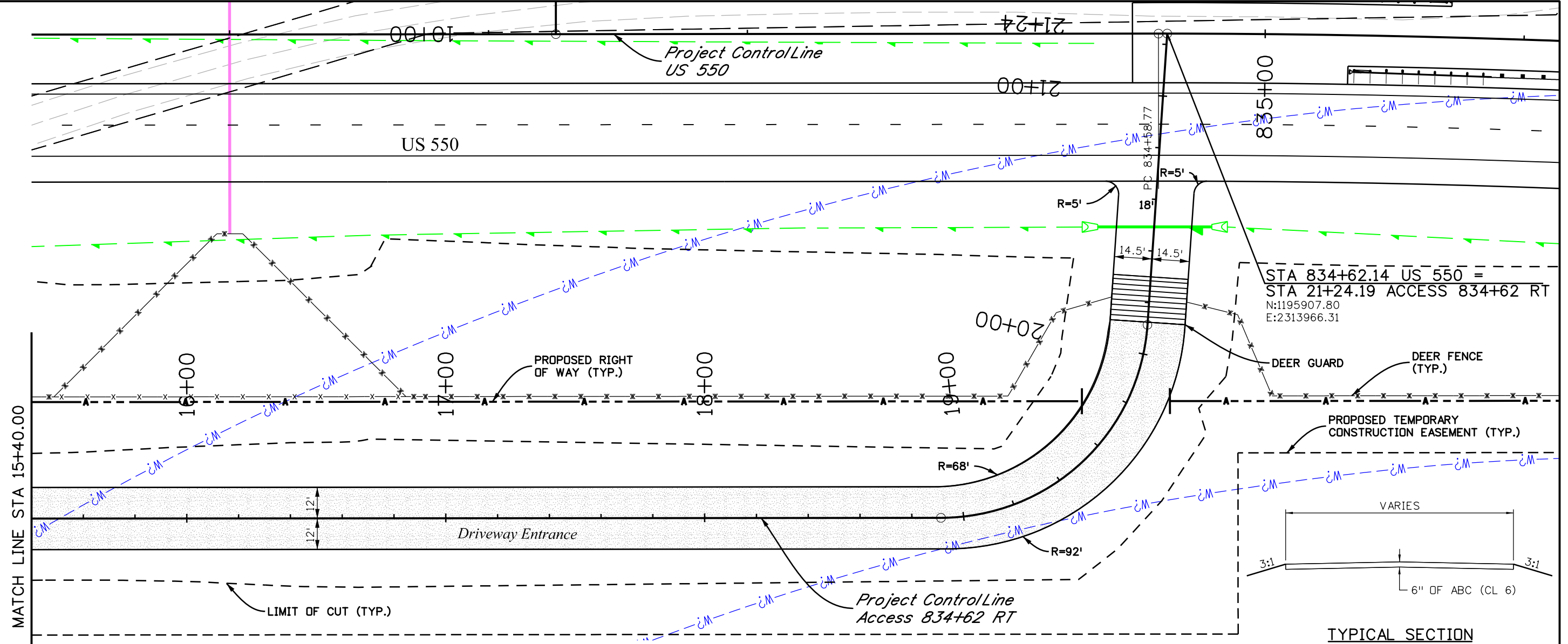
**Colorado Department of Transportation**  
  
 3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440      FAX: 970-385-8635  
**Region 5**      **DRV**

**As Constructed**  
 No Revisions:  
 Revised:  
 Void:

**ACCESS PLAN AND PROFILE  
DRIVEWAY ENTRANCE  
STA 834+62 RT**  
 Designer: NZ      Structure Numbers:  
 Detailer: MS  
 Sheet Subset: ACCESS      Subset Sheets: 14 of 53

**Project No./Code**  
 NHPP 5501-029  
 22420  
**Sheet Number 81**

NZOLLER 3:35:03 PM pwr:\pwr\druseen01\HDR\_US\_Central\_01\Documents\5704\10000255\10110222\6\_0\_CAD\_BIM\6.2\_WIP\Design\Drawings\Sheets\22420DES\_Access15.dgn

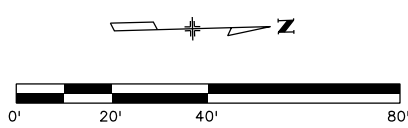


**GEOMETRIC DATA:**

Alignment Name: 834+62 RT			
Alignment Description:			
Alignment Style: ALG_SECONDARY			
	Station	Northing	Eastings
Element: Linear			
POB	10+00.00	1194925.985	2314154.438
PC	11+29.25	1195053.92	2314136.013
Tangential Direction:	N 8°11'43.4" W		
Tangential Length:	129.25		
Element: Circular			
PC	11+29.25	1195053.92	2314136.013
PI	11+54.56	1195078.969	2314132.406
CC		1195096.684	2314432.949
PT	11+79.75	1195104.269	2314133.045
Radius:	300		
Delta:	9°38'38.8" Right		
Degree of Curvature (Arc):	19°05'54.9"		
Length:	50.5		
Tangent:	25.31		

Chord:	50.44		
Middle Ordinate:	1.06		
External:	1.07		
Tangent Direction:	N 8°11'43.4" W		
Radial Direction:	N 81°48'16.6" E		
Chord Direction:	N 3°22'23.9" W		
Radial Direction:	S 88°33'04.5" E		
Tangent Direction:	N 1°26'55.5" E		
Element: Linear			
PT	11+79.75	1195104.269	2314133.045
PC	18+91.27	1195815.558	2314151.034
Tangential Direction:	N 1°26'55.5" E		
Tangential Length:	711.52		
Element: Circular			
PC	18+91.27	1195815.558	2314151.034
PI	19+65.95	1195890.221	2314152.923
CC		1195817.58	2314071.06
PT	20+11.44	1195897.227	2314078.564
Radius:	80		

Delta:	86°03'58.3" Left		
Degree of Curvature (Arc):	71°37'11.0"		
Length:	120.17		
Tangent:	74.69		
Chord:	109.19		
Middle Ordinate:	21.52		
External:	29.45		
Tangent Direction:	N 1°26'55.5" E		
Radial Direction:	S 88°33'04.5" E		
Chord Direction:	N 41°35'03.7" W		
Radial Direction:	N 5°22'57.1" E		
Tangent Direction:	N 84°37'02.9" W		
Element: Linear			
PT	20+11.44	1195897.227	2314078.564
POE	21+24.19	1195907.804	2313966.309
Tangential Direction:	N 84°37'02.9" W		
Tangential Length:	112.75		



FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019

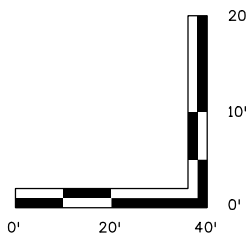
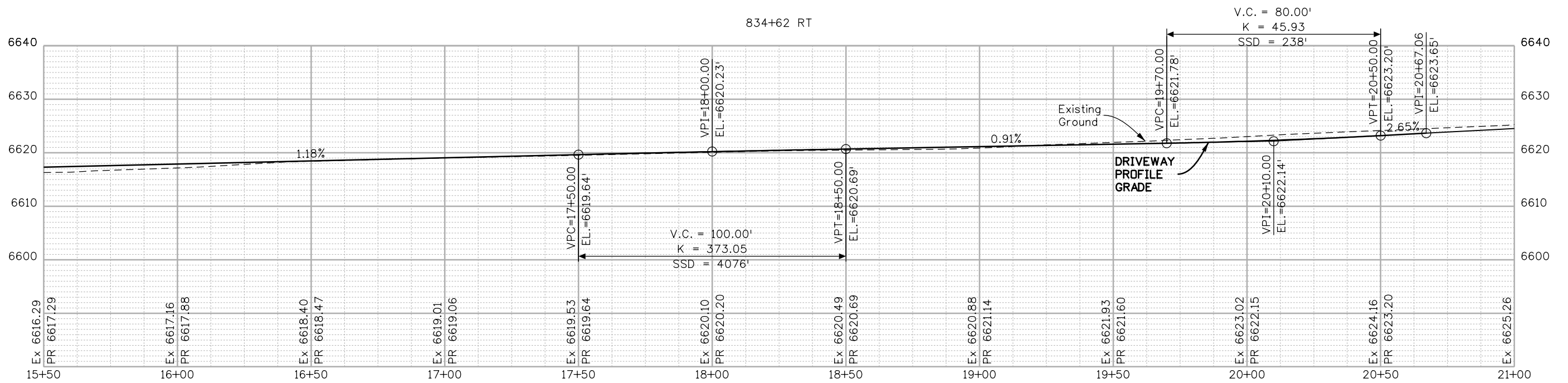
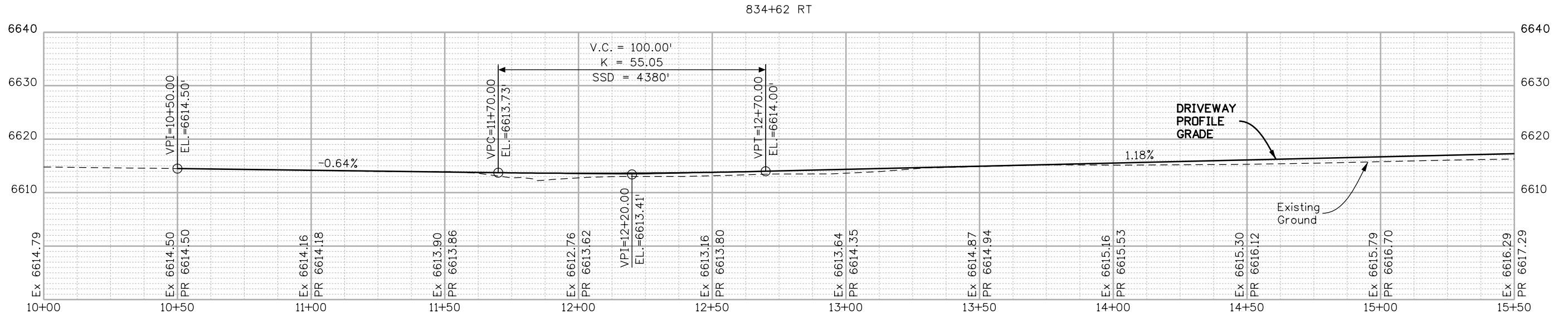


Know what's below  
Call before you dig.

Print Date: 5/2/2019	<table border="1"> <tr> <th colspan="3">Sheet Revisions</th> </tr> <tr> <th>Date:</th> <th>Comments</th> <th>Init.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Sheet Revisions			Date:	Comments	Init.				<p>Colorado Department of Transportation</p> <p>3803 North Main Avenue Durango, CO 81301 Phone: 970-385-1440 FAX: 970-385-8635</p> <p>Region 5 <b>DRV</b></p>	<p>As Constructed</p> <p>No Revisions:</p> <p>Revised:</p> <p>Void:</p>	<p>ACCESS PLAN AND PROFILE DRIVEWAY ENTRANCE STA 834+62 RT</p> <p>Designer: NZ Detailer: MS</p> <p>Sheet Subset: ACCESS</p>	<p>Project No./Code</p> <p>NHPP 5501-029</p> <p>22420</p> <p>Sheet Number <b>82</b></p>
Sheet Revisions														
Date:		Comments	Init.											
File Name: 22420DES_Access15.dgn	<p>Structure Numbers</p>	<p>Subset Sheets: 15 of 53</p>												
<p>Horiz. Scale: 1:40</p> <p>Vert. Scale: As Noted</p>	<p>Structure Numbers</p>	<p>Subset Sheets: 15 of 53</p>												

1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202  
Phone: 303-764-1520 FAX: 303-860-7139

NZOLLER 3:35:09 PM pwr:\pwr\drusen01\HDR\_US\_Central\_01\Documents\5704\10000255\10110222\6.0\_CAD\_BIM\6.2\_WIP\Design\Drawings\Sheets\22420DES\_Access16.dgn



FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Know what's below  
Call before you dig.

Print Date: 5/2/2019  
File Name: 22420DES\_Access16.dgn  
Horiz. Scale: 1:40      Vert. Scale: As Noted

1670 BROADWAY, SUITE 3400    DENVER, COLORADO 80202  
Phone: 303-764-1520      FAX: 303-860-7139

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

3803 North Main Avenue  
Durango, CO 81301  
Phone: 970-385-1440    FAX: 970-385-8635

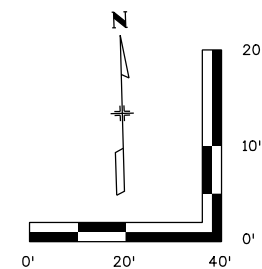
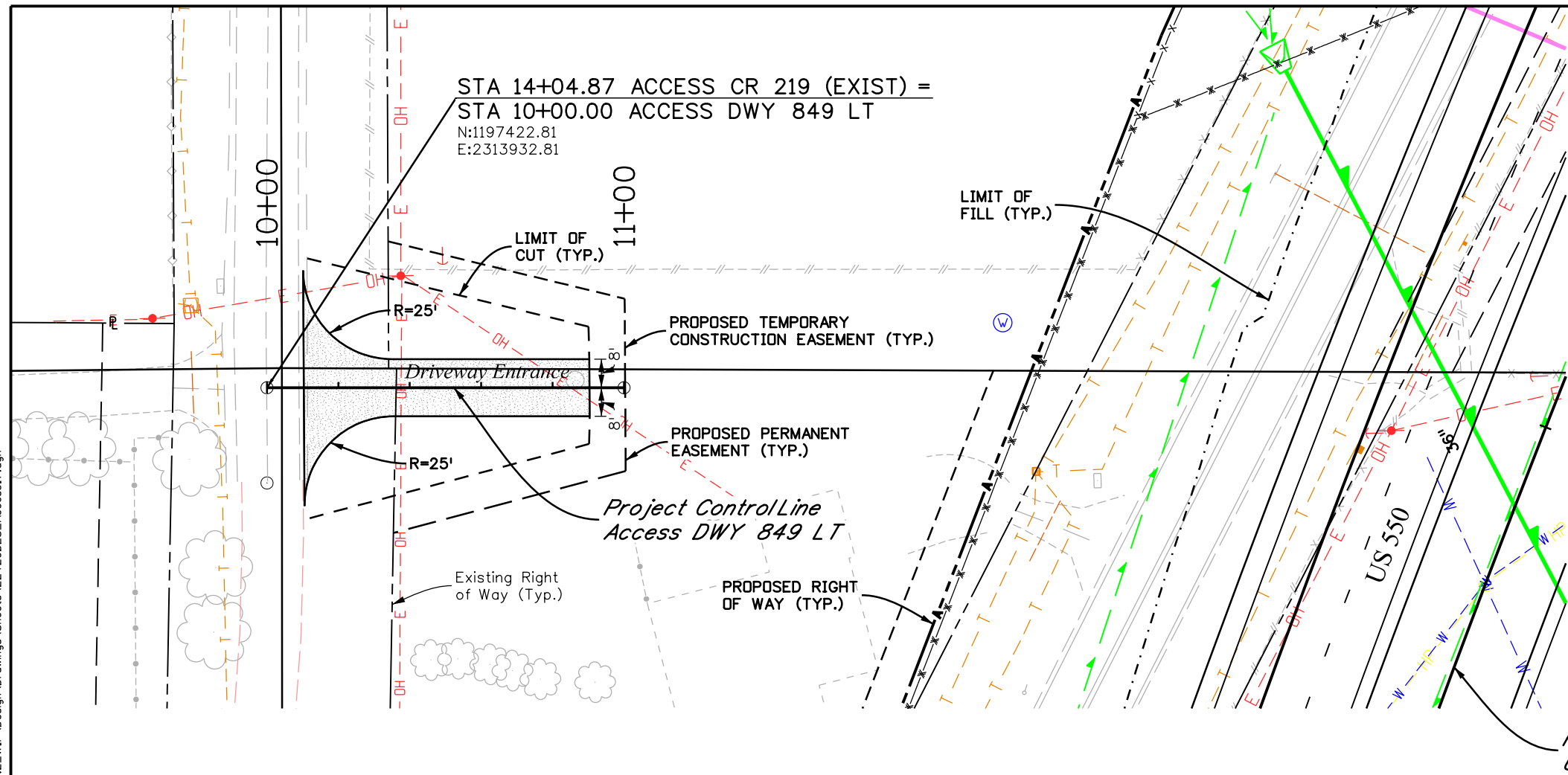
Region 5      DRV

As Constructed
No Revisions:
Revised:
Void:

ACCESS PROFILE DRIVEWAY ENTRANCE STA 834+62 RT	
Designer: NZ	Structure Numbers
Detailer: MS	
Sheet Subset: ACCESS	Subset Sheets: 16 of 53

Project No./Code
NHPP 5501-029
22420
Sheet Number 83

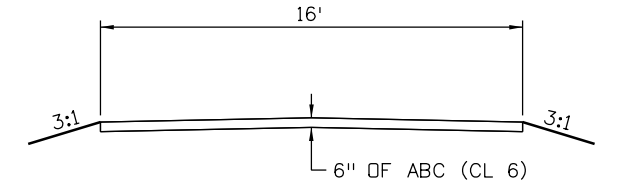
NZOLLER 3:35:15 PM p:\w\pwhruscen01\HDR\_US\_Central\_01\Documents\5704\_10000255\_10110222\6.0\_CAD\_BIM\6.2\_WIP\Design\Drawings\Sheets\22420DES\_Access17.dgn



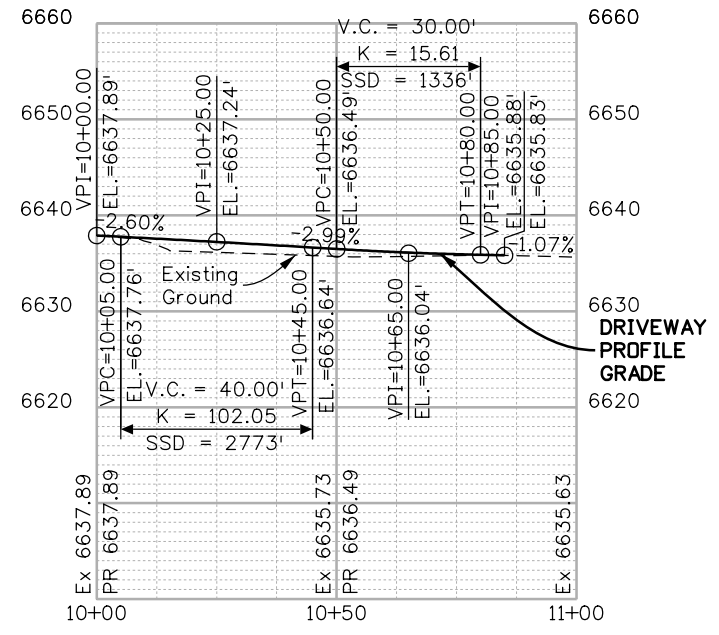
**GEOMETRIC DATA:**

Alignment Name: DWY 849 LT  
 Alignment Description:  
 Alignment Style: ALG\_EXISTING

Element: Linear	Station	Northing	Easting
POB	10+00.00	1197423.026	2313922.945
POE	12+09.05	1197418.526	2314131.944
Tangential Direction:	S 88°45'59.6" E		
Tangential Length:	209.05		



**TYPICAL SECTION**



*Project Control Line US 550*

FINAL REFERENCE DESIGN PLANS  
 JUNE 10, 2019



Print Date: 5/2/2019  
 File Name: 22420DES\_Access17.dgn  
 Horiz. Scale: 1:40      Vert. Scale: As Noted

**HDR** 1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202  
 Phone: 303-764-1520 FAX: 303-860-7139

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440 FAX: 970-385-8635

Region 5      DRV

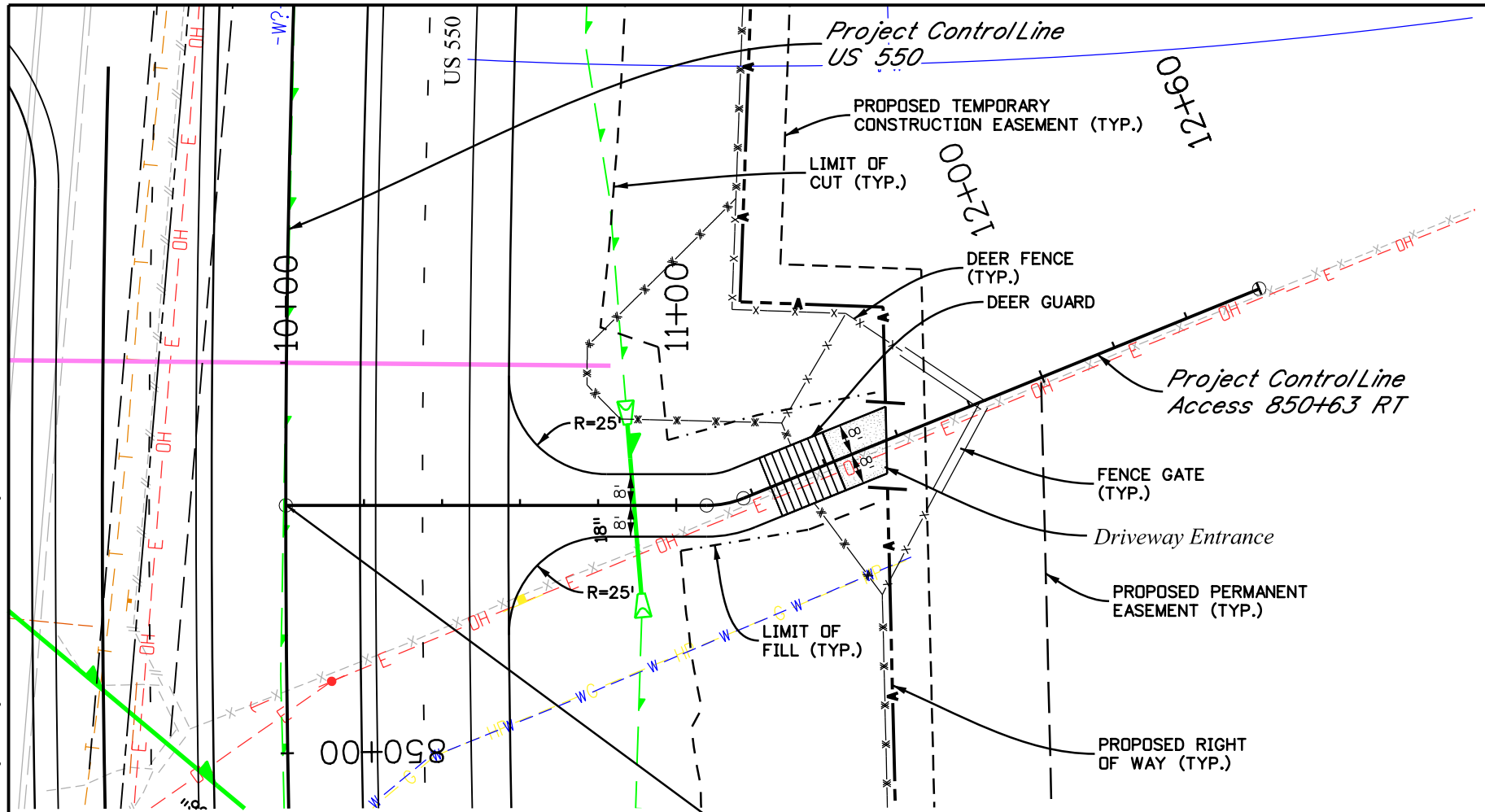
As Constructed
No Revisions:
Revised:
Void:

ACCESS PLAN AND PROFILE DRIVEWAY ENTRANCE DWY 849 LT	
Designer: NZ	Structure Numbers
Detailer: MS	
Sheet Subset: ACCESS	Subset Sheets: 17 of 53

Project No./Code	NHPP 5501-029
	22420
Sheet Number	84



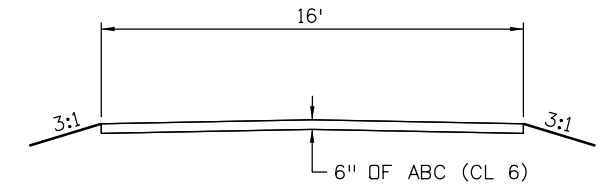
NZOLLER 3:35:25 PM pwr:\pwr\hidruscen01\HDR\_US\_Central\_01\_Documents\5704\10000255\10110222\6\_0\_CAD\_BIM\6.2\_WIP\_Design\Drawings\Sheets\22420DES\_Access18.dgn



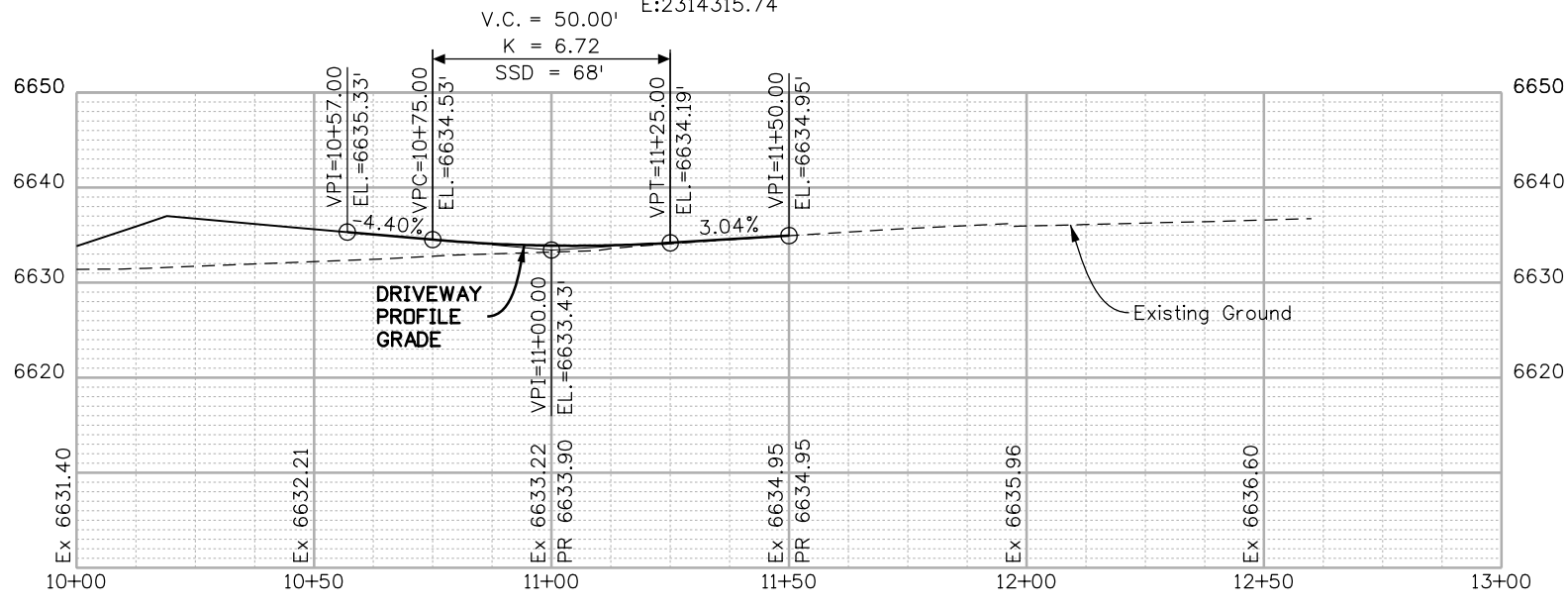
**GEOMETRIC DATA:**

Alignment Name: 850-63 RT  
 Alignment Description:  
 Alignment Style: ALG\_SECONDARY

Element: Linear	Station	Northing	Easting
POB	10+00.00	1197460.15	2314315.735
PC	11+07.79	1197416.525	2314414.3
Tangential Direction:	S 66°07'31.3" E		
Tangential Length:	107.79		
Element: Circular			
PC	11+07.79	1197416.525	2314414.3
PI	11+12.67	1197414.549	2314418.765
CC	11+17.43	1197439.385	2314424.419
PT	11+17.43	1197414.397	2314423.645
Radius:	25		
Delta:	22°06'03.4" Left		
Degree of Curvature (Arc):	229°10'59.2"		
Length:	9.64		
Tangent:	4.88		
Chord:	9.58		
Middle Ordinate:	0.46		
External:	0.47		
Tangent Direction:	S 66°07'31.3" E		
Radial Direction:	S 23°52'28.7" W		
Chord Direction:	S 77°10'33.0" E		
Radial Direction:	S 1°46'25.2" W		
Tangent Direction:	S 88°13'34.8" E		
Element: Linear			
PT	11+17.43	1197414.397	2314423.645
POE	13+50.00	1197407.199	2314656.107
Tangential Direction:	S 88°13'34.8" E		
Tangential Length:	232.57		



**TYPICAL SECTION**



STA 850+63.49 US 550 =  
 STA 10+00.00 ACCESS 850+63 RT  
 N:1197460.15  
 E:2314315.74

FINAL REFERENCE DESIGN PLANS  
 JUNE 10, 2019



Know what's below  
 Call before you dig.

Print Date: 5/2/2019  
 File Name: 22420DES\_Access18.dgn  
 Horiz. Scale: 1:40      Vert. Scale: As Noted

Sheet Revisions		
Date:	Comments	Init.

**Colorado Department of Transportation**  
  
 3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440    FAX: 970-385-8635  
**Region 5**      **DRV**

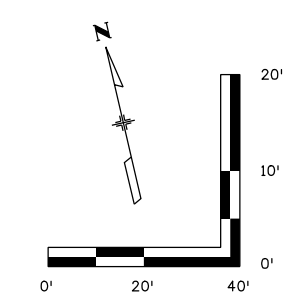
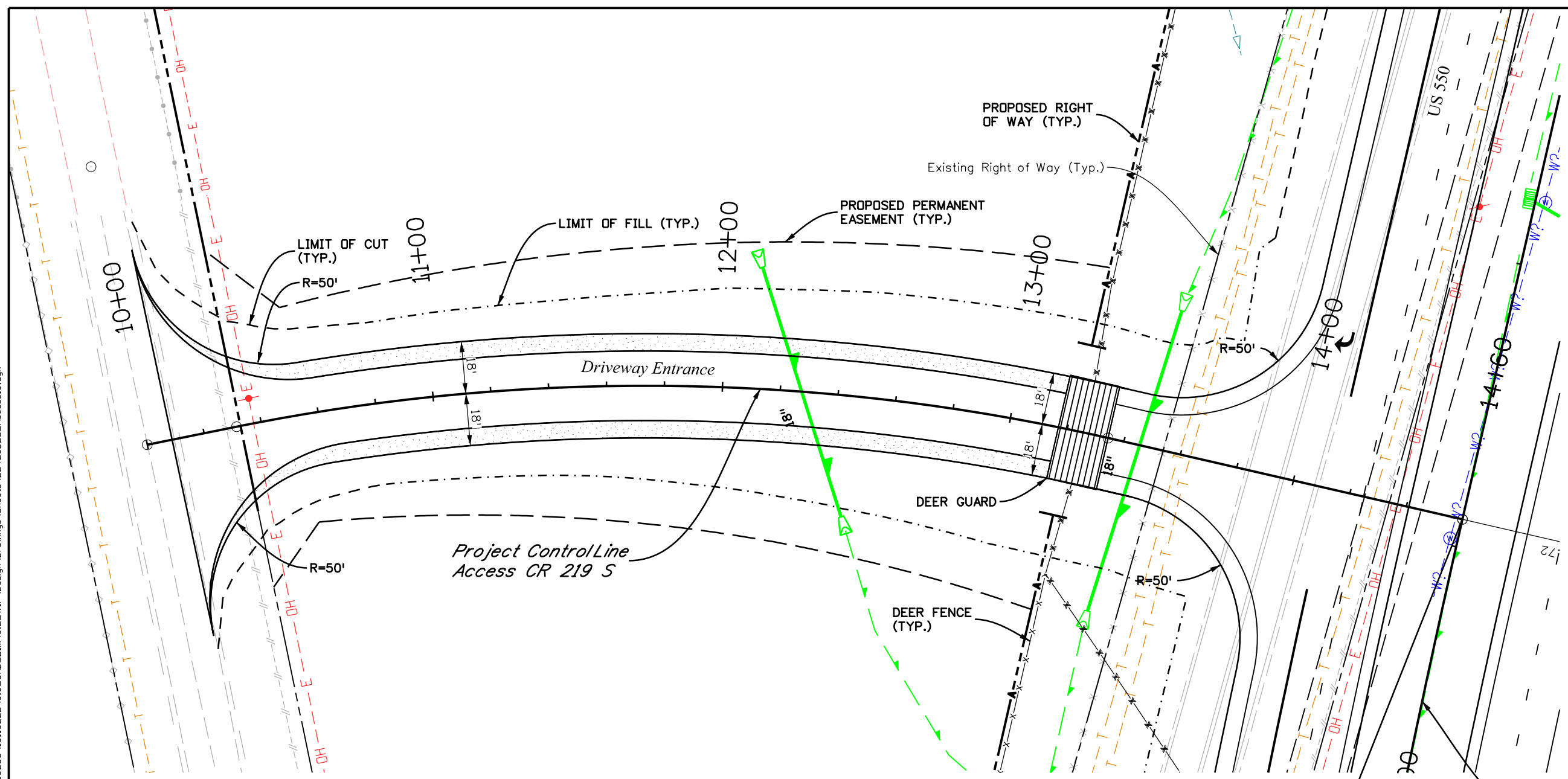
**As Constructed**  
 No Revisions:  
 Revised:  
 Void:

**ACCESS PLAN AND PROFILE  
 DRIVEWAY ENTRANCE  
 STA 850+63 RT**

Designer:	NZ	Structure Numbers	
Detailer:	MS	Subset Sheets:	18 of 53

**Project No./Code**  
 NHPP 5501-029  
 22420  
**Sheet Number 85**

NZOLLER 3:35:35 PM pwr:\pwr\druseen01\HDR\_US\_Central\_01\Documents\5704\100000255\10110222\6\_0\_CAD\_BIM\6.2\_WIP\Design\Drawings\Sheets\22420DES\_Access19.dgn

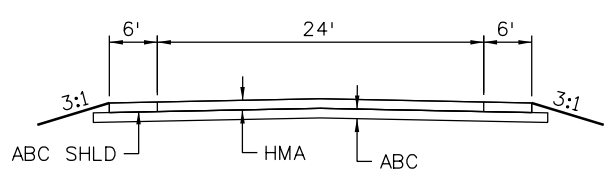


**GEOMETRIC DATA:**

Element	Station	Northing	Easting
Alignment Name:	CR 219_S		
Alignment Description:			
Alignment Style:	ALG_SECONDARY		
Element: Linear			
POB	10+00.00	1197720.268	2313900.805
PC	10+63.63	1197719.232	2313964.422
Tangential Direction:	S 89°04'02.9" E		
Tangential Length:	63.63		
Element: Circular			
PC	10+63.63	1197719.232	2313964.422
PI	12+21.59	1197716.661	2314122.365
CC	1197006.327	2313952.818	
PT	13+74.53	1197647.621	2314264.444
Radius:	713		
Delta:	24°59'02.8" Right		
Degree of Curvature (Arc):	8°02'09.1"		
Length:	310.91		
Tangent:	157.96		

Chord:	308.45
Middle Ordinate:	16.88
External:	17.29
Tangent Direction:	S 89°04'02.9" E
Radial Direction:	S 0°55'57.1" W
Chord Direction:	S 76°34'31.5" E
Radial Direction:	S 25°54'59.9" W
Tangent Direction:	S 64°05'00.1" E
Element: Linear	
PT	13+74.53 1197647.621 2314264.444
PI	15+00.00 1197592.784 2314377.292
Tangential Direction:	S 64°05'00.1" E
Tangential Length:	125.47
Element: Linear	
PI	15+00.00 1197592.784 2314377.292
POE	15+57.00 1197567.87 2314428.559
Tangential Direction:	S 64°04'54.7" E
Tangential Length:	57

STA 852+09.72 US 550 =  
 STA 14+59.84 ACCESS CR 219 S  
 N:1197592.78  
 E:2314377.29



**TYPICAL SECTION**

FINAL REFERENCE DESIGN PLANS  
 JUNE 10, 2019



Know what's below  
 Call before you dig.

Print Date: 5/2/2019  
 File Name: 22420DES\_Access19.dgn  
 Horiz. Scale: 1:40      Vert. Scale: As Noted

1670 BROADWAY, SUITE 3400    DENVER, COLORADO 80202  
 Phone: 303-764-1520      FAX: 303-860-7139

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation  

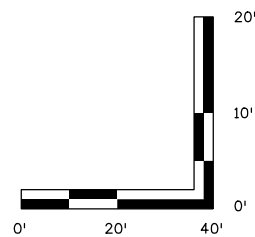
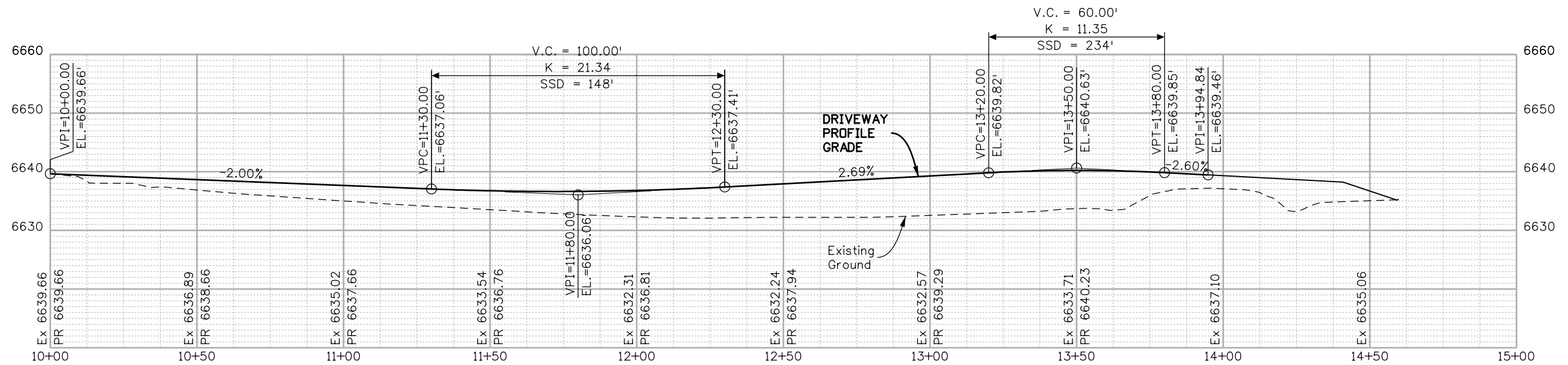
 3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440    FAX: 970-385-8635  
 Region 5      DRV

As Constructed
No Revisions:
Revised:
Void:

ACCESS PLAN DRIVEWAY ENTRANCE CR 219 S	
Designer:	NZ
Detailer:	MS
Sheet Subset:	ACCESS
Structure Numbers:	
Subset Sheets:	19 of 53

Project No./Code
NHPP 5501-029
22420
Sheet Number 86

NZOLLER 3:35:41 PM p:\p\h\druscen01\HDR\_US\_Central\_01\Documents\5704\10000255\10110222\6.0\_CAD\_BIM\_6.2\_WIP\_Design\Drawings\Sheets\22420DES\_Access20.dgn



FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Know what's below  
Call before you dig.

Print Date: 5/2/2019	
File Name: 22420DES_Access20.dgn	
Horiz. Scale: 1:40	Vert. Scale: As Noted
1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202 Phone: 303-764-1520 FAX: 303-860-7139	

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation  

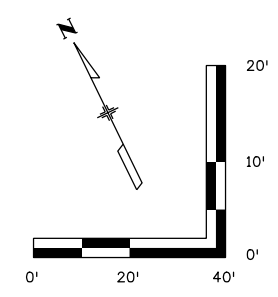
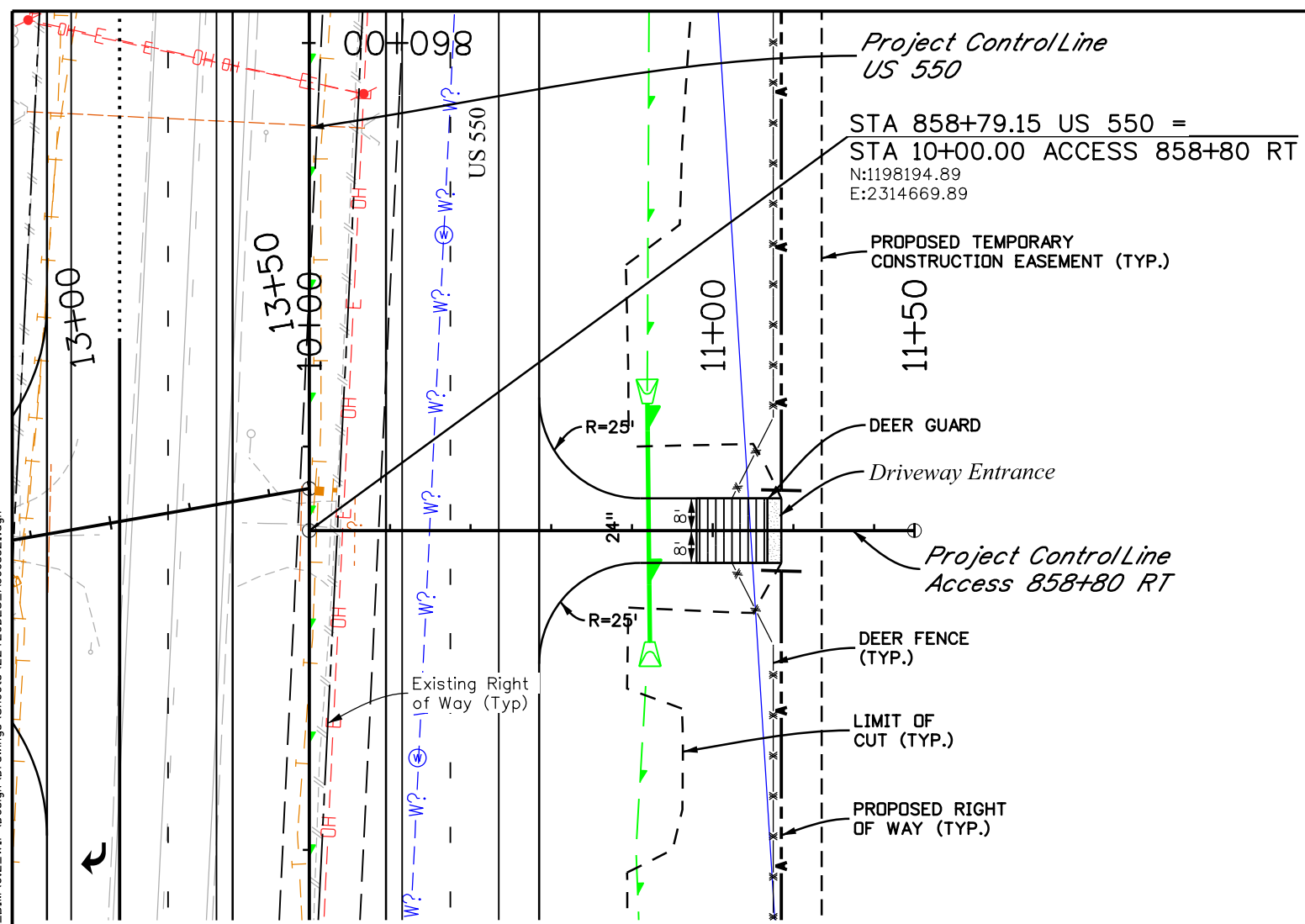
 3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440 FAX: 970-385-8635  
 Region 5 DRV

As Constructed	
No Revisions:	
Revised:	
Void:	

ACCESS PROFILE DRIVEWAY ENTRANCE CR 219 S			
Designer:	NZ	Structure	
Detailer:	MS	Numbers	
Sheet Subset:	ACCESS	Subset Sheets:	20 of 53

Project No./Code	
NHPP 5501-029	
22420	
Sheet Number	87

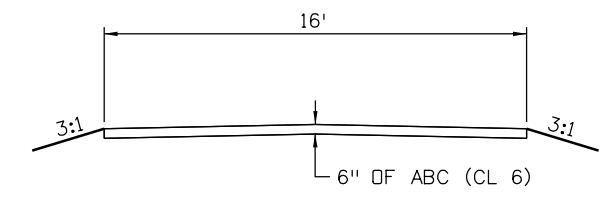
NZOLLER 3:35:49 PM P:\p\h\druseen01\HDR\_US\_Central\_01\Documents\5704\10000255\10110222\6.0\_CAD\_BIM\6.2\_WIP\_Design\Drawings\Sheets\22420DES\_Access21.dgn



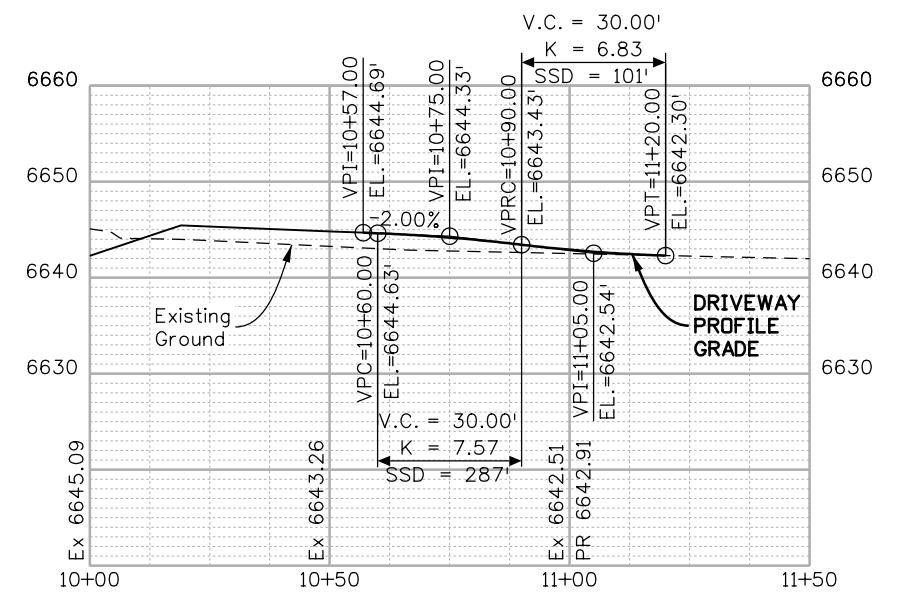
**GEOMETRIC DATA:**

Alignment Name: 858+80 RT  
 Alignment Description:  
 Alignment Style: ALG\_SECONDARY

Element: Linear	Station	Northing	Easting
POB	10+00.00	1198194.887	2314669.893
POE	12+00.00	1198107.47	2314849.777
Tangential Direction:	S 64°04'54.7" E		
Tangential Length:	200		



**TYPICAL SECTION**



FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Print Date: 5/2/2019  
 File Name: 22420DES\_Access21.dgn  
 Horiz. Scale: 1:40  
 Vert. Scale: As Noted

**HDR**  
 1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202  
 Phone: 303-764-1520 FAX: 303-860-7139

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation  
  
 Region 5  
 3803 North Main Avenue  
 Durango, CO 81301  
 Phone: 970-385-1440 FAX: 970-385-8635  
**DRV**

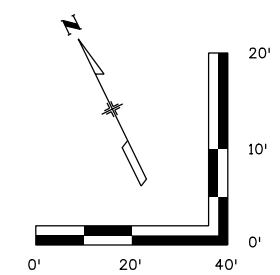
**As Constructed**  
 No Revisions:  
 Revised:  
 Void:

**ACCESS PLAN AND PROFILE  
 DRIVEWAY ENTRANCE  
 STA 858+80 RT**

Designer:	NZ	Structure	
Detailer:	MS	Numbers	
Sheet Subset:	ACCESS	Subset Sheets:	21 of 53

**Project No./Code**  
 NHPP 5501-029  
 22420  
**Sheet Number 88**





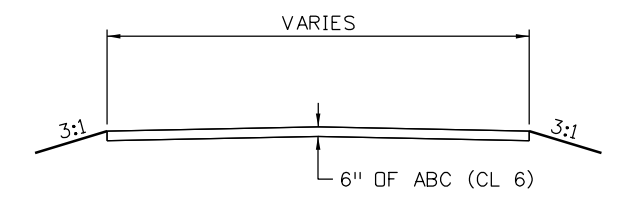
**GEOMETRIC DATA:**

Alignment Name: 858+90 LT  
Alignment Description:  
Alignment Style: ALG\_SECONDARY

Element: Linear	Station	Northing	Easting
POB	10+00.00	1198240.308	2314332.507
PC	11+05.52	1198254.686	2314437.047
Tangential Direction:	N 82°10'06.4" E		
Tangential Length:	105.52		
Element: Circular			
PC	11+05.52	1198254.686	2314437.047
PI	11+47.79	1198260.445	2314478.916
CC		1198056.552	2314464.299
PT	11+88.83	1198248.773	2314519.536
Radius:	200		
Delta:	23°51'51.4" Right		
Degree of Curvature (Arc):	28°38'52.4"		
Length:	83.3		
Tangent:	42.26		
Chord:	82.7		
Middle Ordinate:	4.32		
External:	4.42		
Tangent Direction:	N 82°10'06.4" E		
Radial Direction:	S 7°49'53.6" E		
Chord Direction:	S 85°53'57.9" E		
Radial Direction:	S 16°01'57.8" W		
Tangent Direction:	S 73°58'02.2" E		
Element: Linear			
PT	11+88.83	1198248.773	2314519.536
POE	13+50.00	1198204.257	2314674.446
Tangential Direction:	S 73°58'02.2" E		
Tangential Length:	161.18		

Alignment Name: 858+90 LT A  
Alignment Description:  
Alignment Style: ALG\_SECONDARY

Element: Linear	Station	Northing	Easting
POB	20+00.00	1198251.266	2314509.977
POE	21+50.00	1198395.431	2314551.405
Tangential Direction:	N 16°01'57.8" E		
Tangential Length:	150		

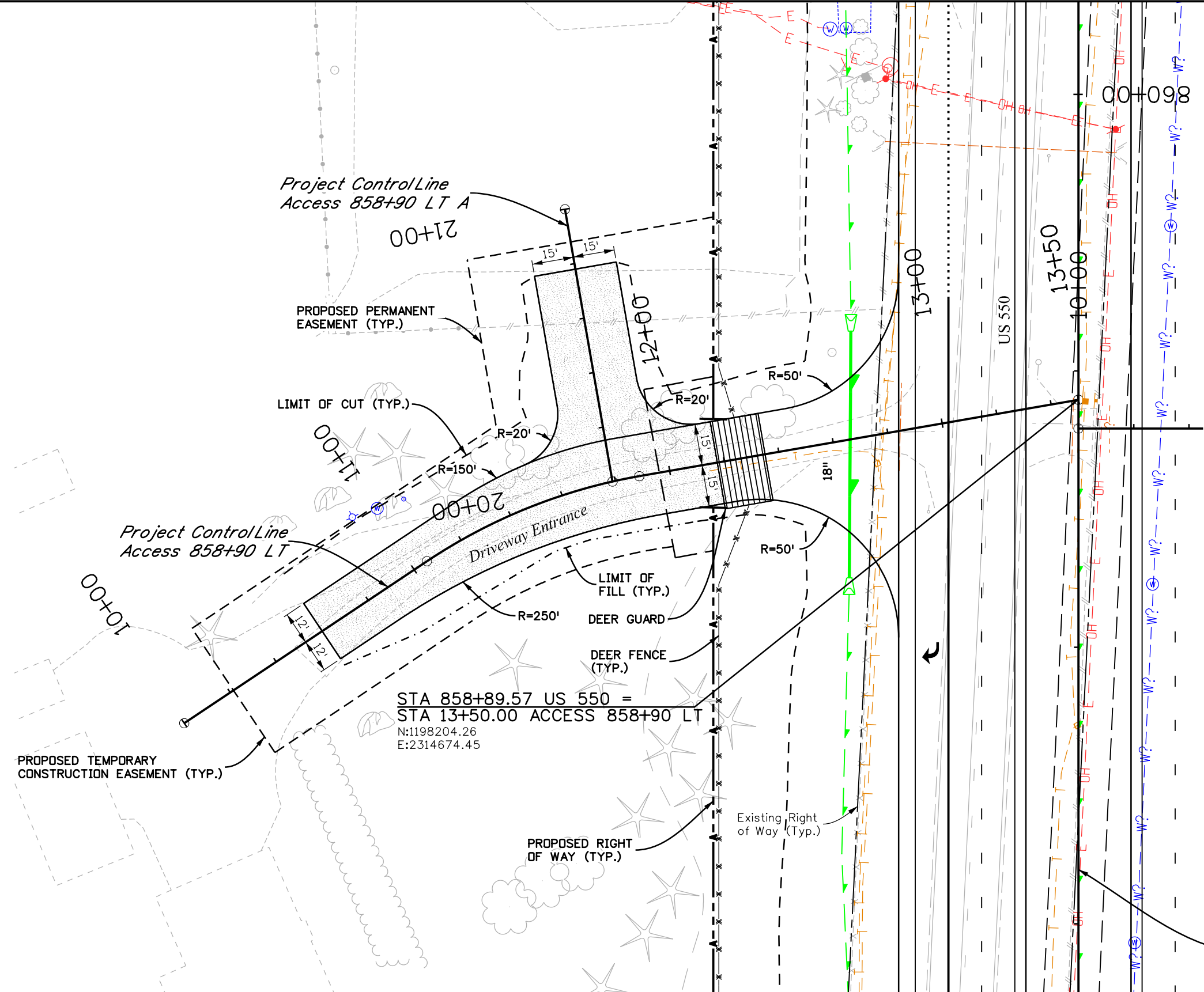


Project Control Line  
US 550



Know what's below  
Call before you dig.

NZOLLER 3:35:57 PM pwr:\pwhruscen01\HDR\_US\_Central\_01\Documents\5704\10000255\10110222\6\_0\_CAD\_BIM\6.2\_WIP\Design\Drawings\Sheets\22420DES\_Access22.dgn



STA 858+89.57 US 550 =  
STA 13+50.00 ACCESS 858+90 LT  
N:1198204.26  
E:2314674.45

Print Date: 5/2/2019  
File Name: 22420DES\_Access22.dgn  
Horiz. Scale: 1:40      Vert. Scale: As Noted

1670 BROADWAY, SUITE 3400    DENVER, COLORADO 80202  
Phone: 303-764-1520      FAX: 303-860-7139

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

3803 North Main Avenue  
Durango, CO 81301  
Phone: 970-385-1440    FAX: 970-385-8635

Region 5      DRV

As Constructed

No Revisions:      Revised:      Void:

ACCESS PLAN  
DRIVEWAY ENTRANCE  
STA 858+90 LT

Designer: NZ      Structure Numbers:      Sheet Subset: ACCESS      Subset Sheets: 22 of 53

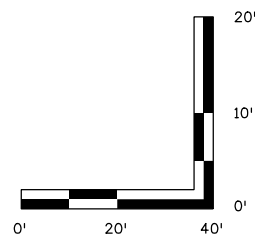
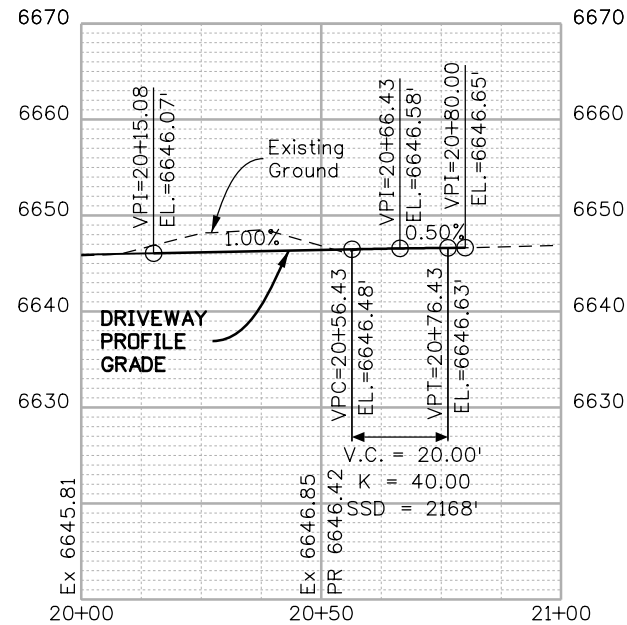
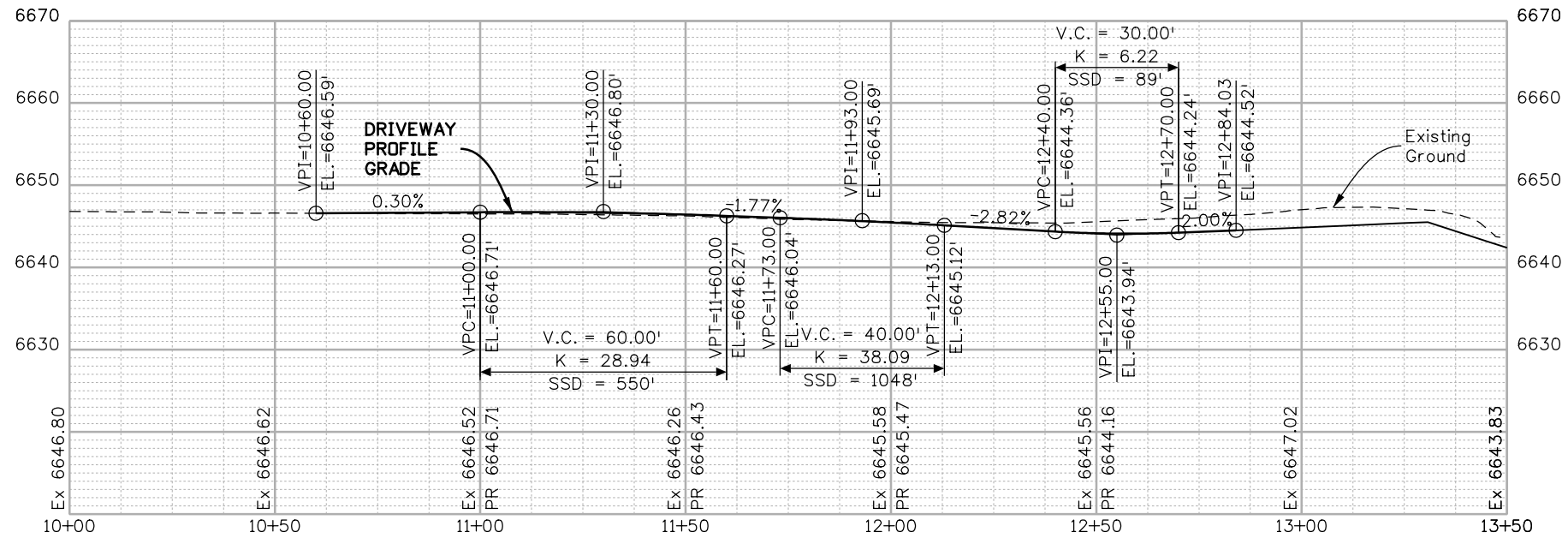
Project No./Code

NHPP 5501-029

22420

Sheet Number 89

NZOLLER 3:36:03 PM P:\p\hidruscen01:HDR\_US\_Central\_01\_Documents\5704\10000255\10110222\6.0\_CAD\_BIM\6.2\_WIP\_Design\Drawings\Sheets\22420DES\_Access23.dgn



FINAL REFERENCE DESIGN PLANS  
JUNE 10, 2019



Print Date: 5/2/2019	
File Name: 22420DES_Access23.dgn	
Horiz. Scale: 1:40	Vert. Scale: As Noted
1670 BROADWAY, SUITE 3400 DENVER, COLORADO 80202 Phone: 303-764-1520 FAX: 303-860-7139	

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

3803 North Main Avenue  
Durango, CO 81301  
Phone: 970-385-1440 FAX: 970-385-8635

Region 5 DRV

As Constructed	
No Revisions:	
Revised:	
Void:	

ACCESS PROFILE DRIVEWAY ENTRANCE STA 858+90 LT			
Designer:	NZ	Structure	
Detailer:	MS	Numbers	
Sheet Subset:	ACCESS	Subset Sheets:	23 of 53

Project No./Code	
NHPP 5501-029	
22420	
Sheet Number	90