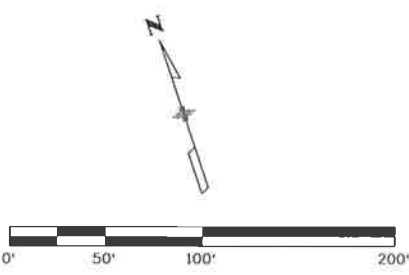
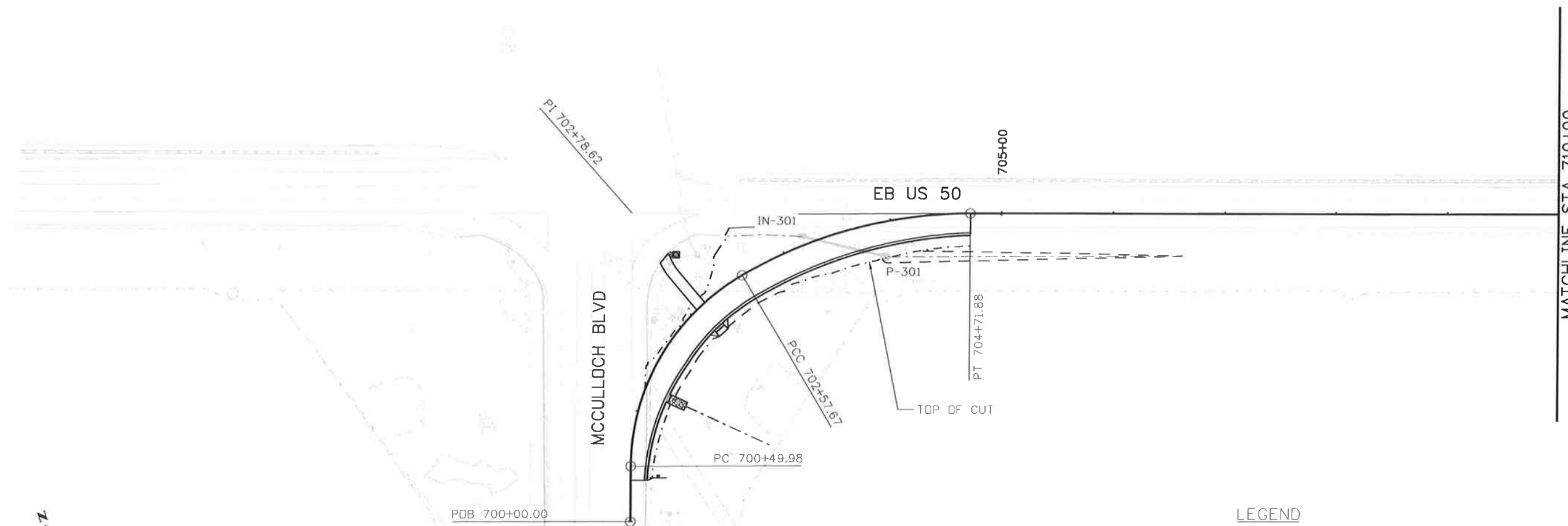
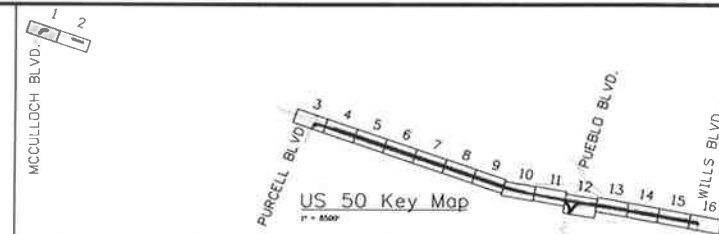




Know what's below.
Call before you dig.



LEGEND

- RELOCATED LIGHT STANDARD
- CROSS PIPE AND STORM SEWER
- TRAFFIC PULL BDX, MANHOLE, ELECTRIC
- TRAFFIC CONDUIT

Print Date: 10/9/2014
 File Name: 19056_UTILILITY01.dgn
 Horiz. Scale: 1:100 Vert. Scale: As Noted

JFS&A
 J. F. SATO AND ASSOCIATES
 5898 South Rapp Street
 Littleton, Colorado 80120

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation
 902 Erie Avenue
 Pueblo, CO 81001
 Phone: 719-562-5509 FAX: 719-546-5702
 Region 2 DTD

As Constructed
 No Revisions:
 Revised:
 Void:

**US 50 WEST
 UTILITY PLANS
 700+37.13 TO 710+00.00**

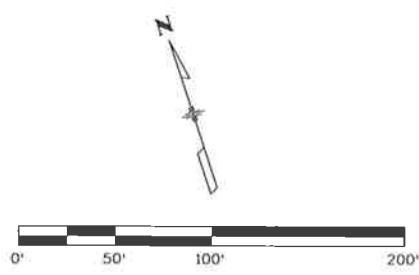
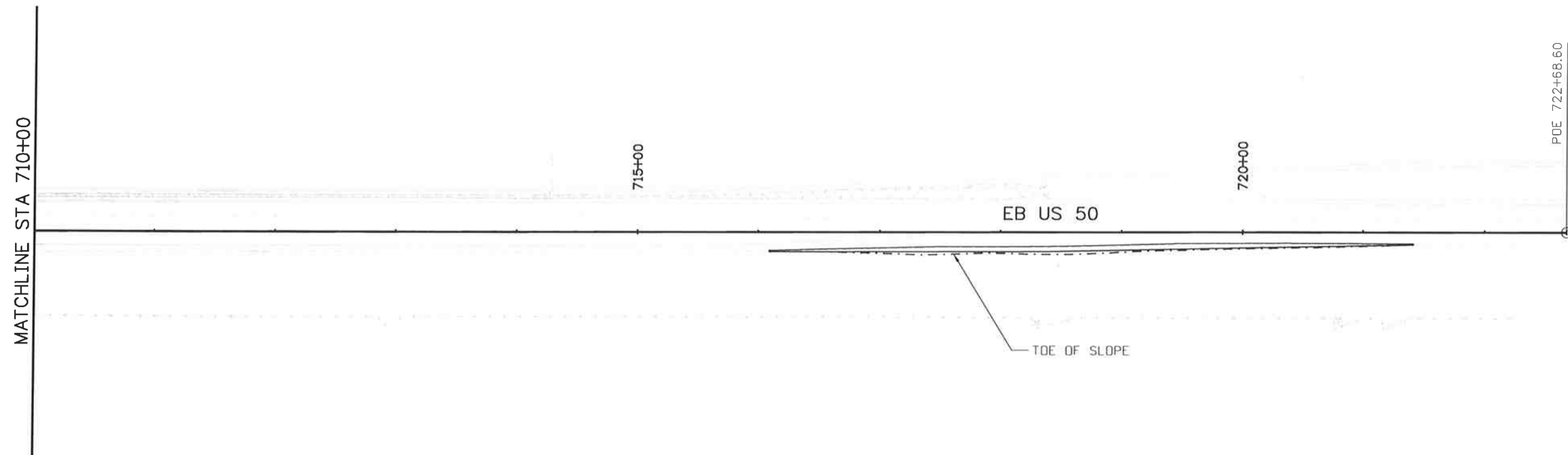
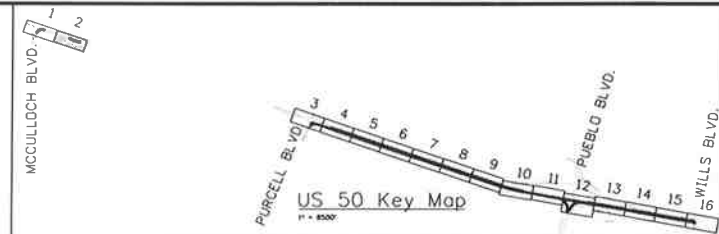
Designer: ACE	Structure
Detailer: AB	Numbers
Subset: UT	Subset Sheets: UT1 of 16

Project No./Code
 FSA 0503-08i
 1975i
 Sheet Number 28

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Know what's below.
Call before you dig.



LEGEND

- RELOCATED LIGHT STANDARD
- CROSS PIPE AND STORM SEWER
- TRAFFIC PULL BOX, MANHOLE, ELECTRIC
- TRAFFIC CONDUIT

Print Date: 10/9/2014
 File Name: 19056_UTILILITY02.dgn
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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US 50 WEST
 UTILITY PLANS
 710+00.00 TO 722+68.60

Designer:	ACE	Structure	
Detailer:	AB	Numbers	
Subset:	UT	Subset Sheets:	UT2 of 16

Project No./Code

FSA 0503-081

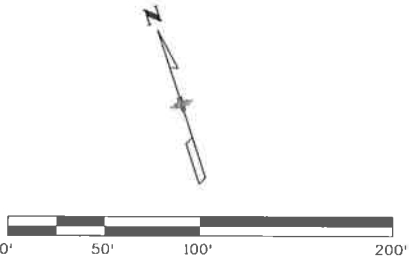
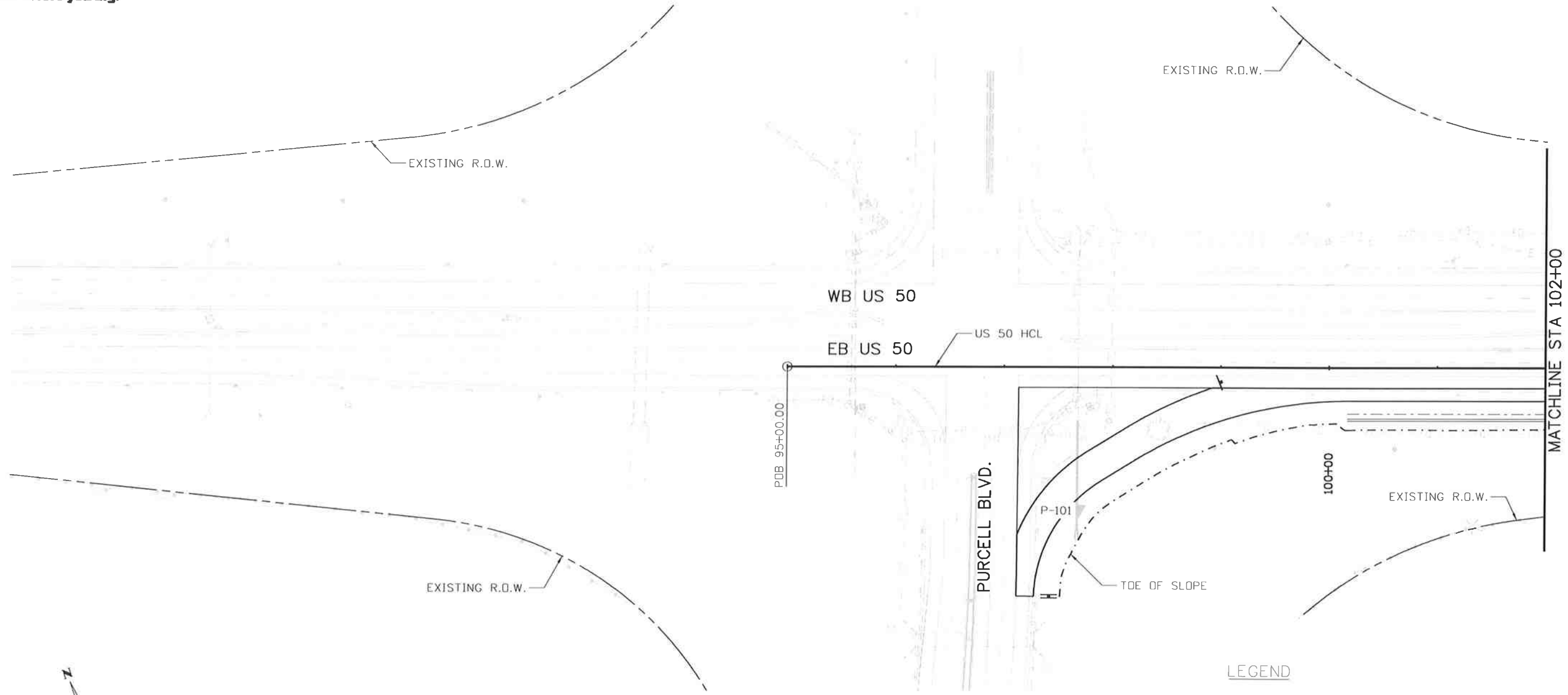
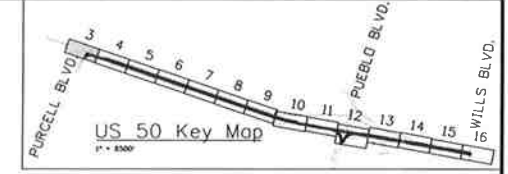
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Sheet Number 29

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LEGEND

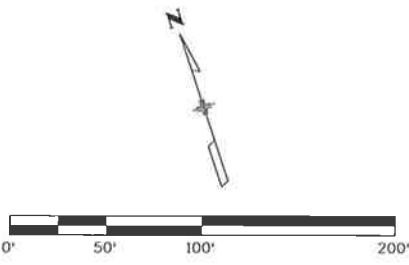
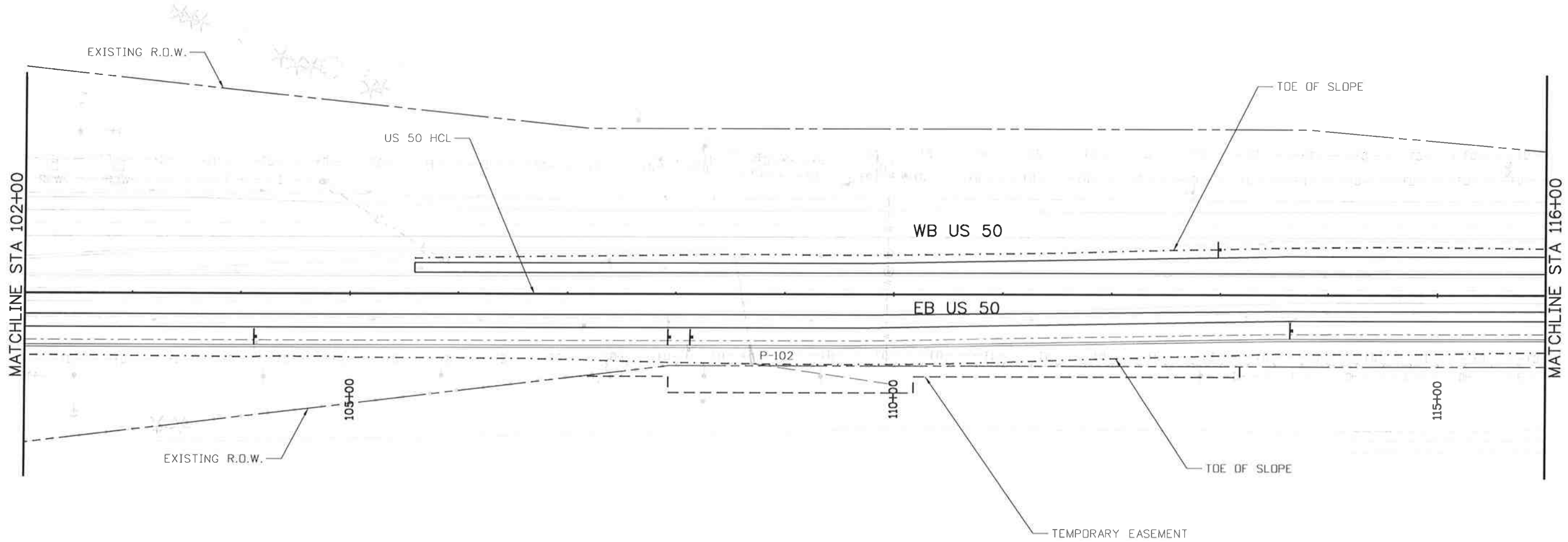
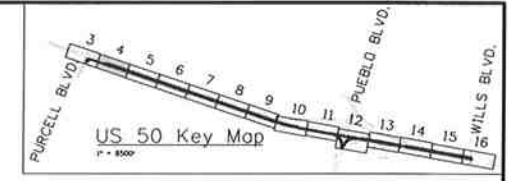
- RELOCATED LIGHT STANDARD
- CROSS PIPE AND STORM SEWER
- TRAFFIC PULL BOX, MANHOLE, ELECTRIC
- TRAFFIC CONDUIT

Print Date: 10/9/2014		Sheet Revisions			Colorado Department of Transportation		As Constructed		US 50 WEST UTILITY PLANS 95+00.00 TO 102+00.00		Project No./Code	
File Name: 19056_UTILITY03.dgn		Date:	Comments	Init.		902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702		No Revisions:			FSA 0503-081	
Horiz. Scale: 1:100 Vert. Scale: As Noted						Region 2	DTD		Revised:		19751	
	J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120						Void:		Designer: ACE Structure Numbers Detailer: AB Subset: UT Subset Sheets: UT03of 16		Sheet Number 30	

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Know what's below.
Call before you dig.



LEGEND

- RELOCATED LIGHT STANDARD
- CROSS PIPE AND STORM SEWER
- TRAFFIC PULL BOX, MANHOLE, ELECTRIC
- TRAFFIC CONDUIT

Print Date: 10/9/2014
 File Name: I9056_UTILITY04.dgn
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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Date:	Comments	Init.

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Region 2 **DTD**

As Constructed

No Revisions:
 Revised:
 Void:

**US 50 WEST
 UTILITY PLANS
 102+00.00 TO 116+00.00**

Designer: ACE
 Detailer: AB
 Subset: UT

Structure Numbers
 Subset Sheets: UT04 of 16

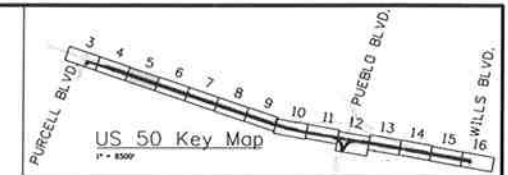
Project No./Code

FSA 0503-081
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 Sheet Number **31**

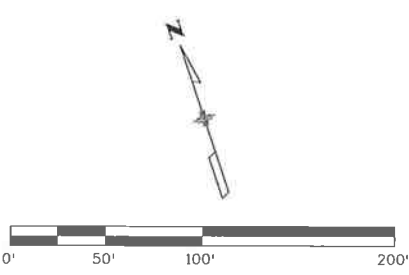
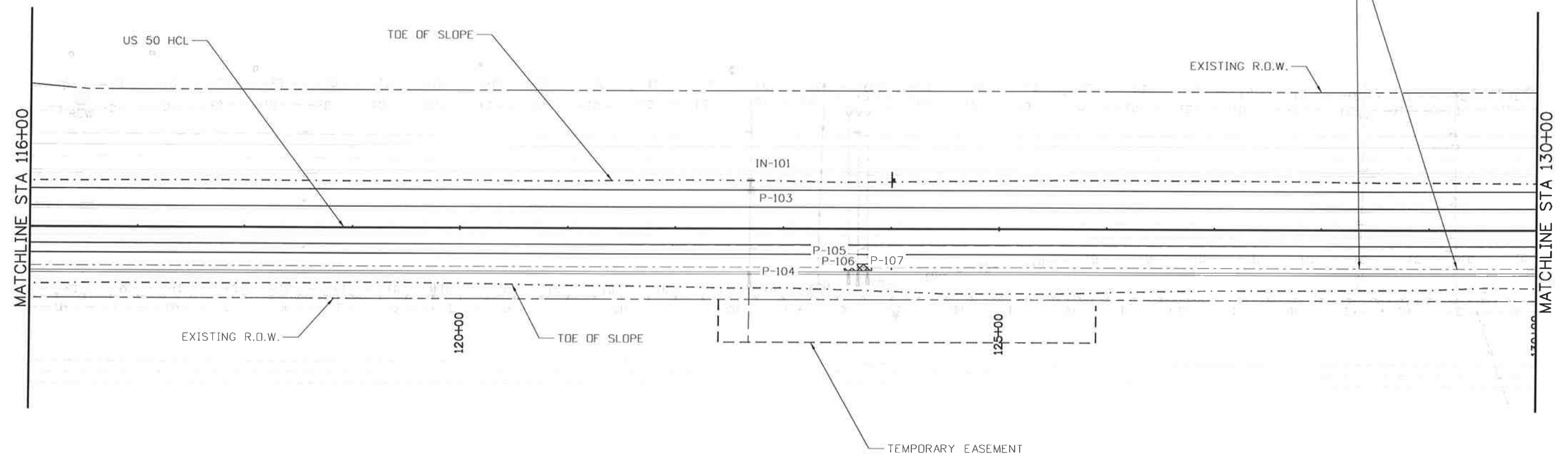
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Know what's below.
Call before you dig.



UTILITY CROSSING WITH
PROPOSED SWALE AT
STA. 128+35.29, 36.00' RT
AND 129+26.33, 36.00' RT.



- LEGEND**
- RELOCATED LIGHT STANDARD
 - CROSS PIPE AND STORM SEWER
 - TRAFFIC PULL BOX, MANHOLE, ELECTRIC
 - TRAFFIC CONDUIT

Print Date: 10/9/2014
 File Name: 19056_UTILITY05.dgn
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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Region 2 **DTD**

As Constructed

No Revisions:
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 Void:

**US 50 WEST
 UTILITY PLANS
 116+00.00 TO 130+00.00**

Designer: ACE Structure
 Detailer: AB Numbers
 Subset: UT Subset Sheets: UT05 of 16

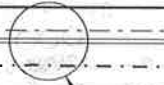
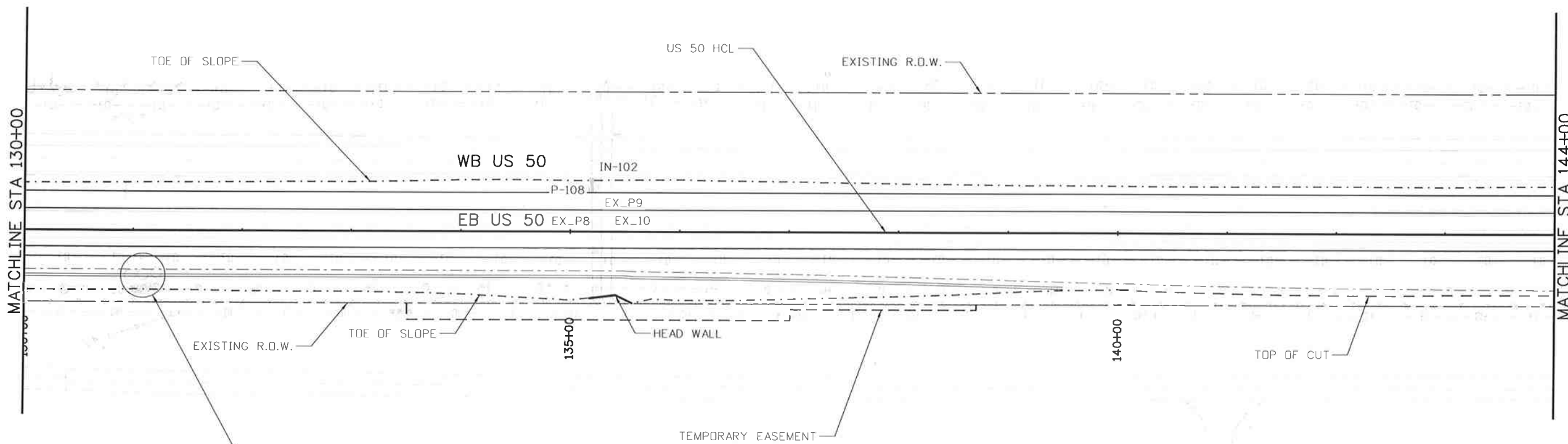
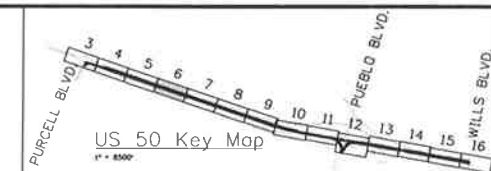
Project No./Code

FSA 0503-081
 19751
 Sheet Number 32

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Know what's below.
Call before you dig.



SUBSIDENCE MONITORING
SITE CONFLICT WITH PROPOSED SWALE
FROM STA. 130+98.11 TO STA. 131+21.37

LEGEND

- RELOCATED LIGHT STANDARD
- CROSS PIPE AND STORM SEWER
- TRAFFIC PULL BOX, MANHOLE, ELECTRIC
- TRAFFIC CONDUIT



Print Date: 10/9/2014
 File Name: 19056_UTILITY06.dgn
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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Date:	Comments	Init.

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Region 2 **DTD**

As Constructed

No Revisions:	
Revised:	
Void:	

**US 50 WEST
UTILITY PLANS
130+00.00 TO 144+00.00**

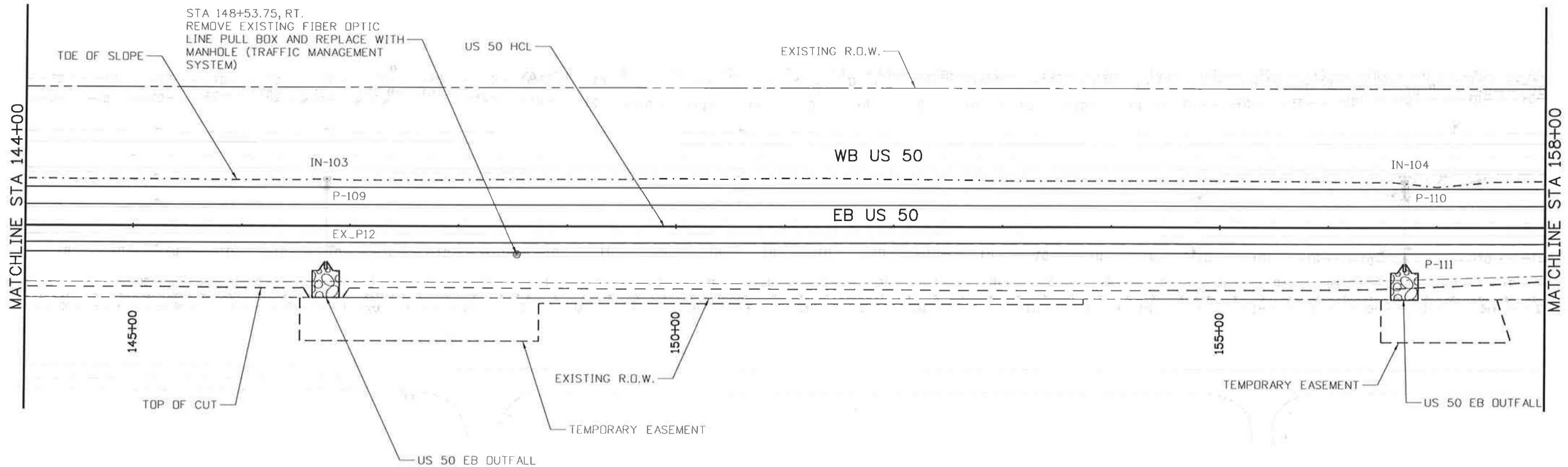
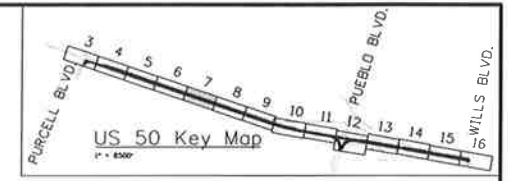
Designer: ACE	Structure Numbers
Detailer: AB	
Subset: UT	Subset Sheets: UT06 of 16

Project No./Code	FSA 0503-081
	19751
Sheet Number	33

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LEGEND

- RELOCATED LIGHT STANDARD
- CROSS PIPE AND STORM SEWER
- TRAFFIC PULL BOX, MANHOLE, ELECTRIC
- TRAFFIC CONDUIT

Print Date: 10/9/2014
 File Name: 19056_UTILTY07.dgn
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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 Region 2 DTD

As Constructed
 No Revisions:
 Revised:
 Void:

**US 50 WEST
 UTILITY PLANS
 144+00.00 TO 158+00.00**

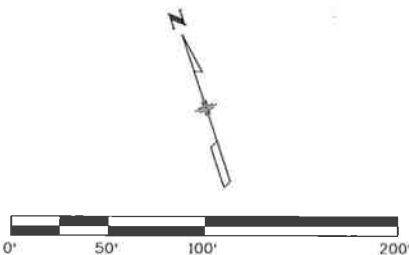
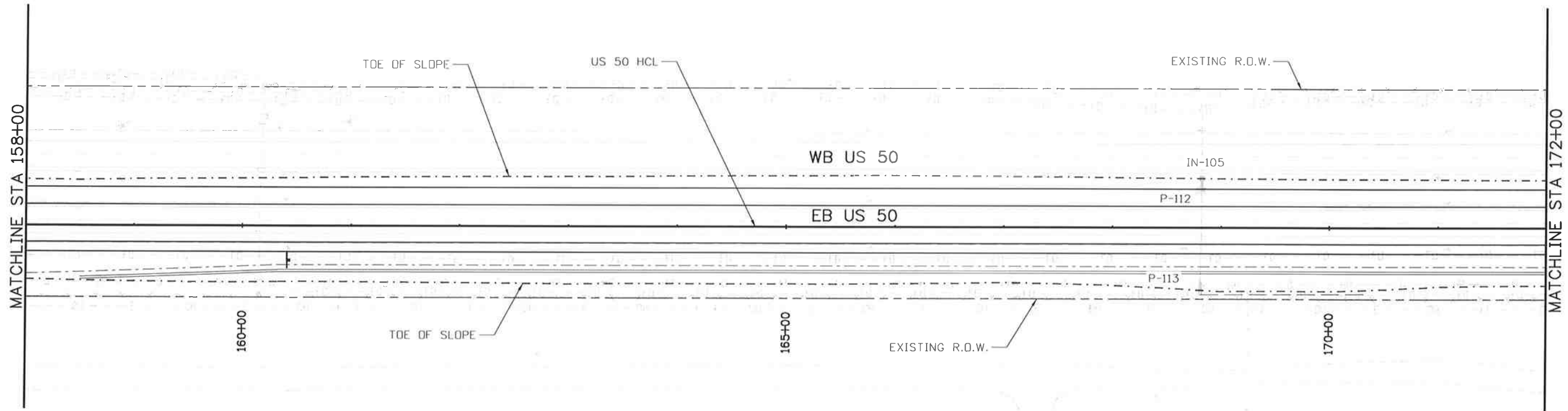
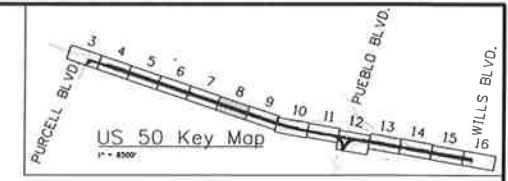
Designer:	ACE	Structure	
Detailer:	AB	Numbers	
Subset:	UT	Subset Sheets:	UT07 of 16

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 34

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Know what's below.
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LEGEND

	RELOCATED LIGHT STANDARD
	CROSS PIPE AND STORM SEWER
	TRAFFIC PULL BOX, MANHOLE, ELECTRIC
	TRAFFIC CONDUIT

Print Date: 10/9/2014
 File Name: 19056_UTILITY08.dgn
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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Sheet Revisions		
Date:	Comments	Init.

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Region 2 DTD

As Constructed

No Revisions:
 Revised:
 Void:

US 50 WEST UTILITY PLANS 158+00.00 TO 172+00.00			
Designer:	ACE	Structure	
Detailer:	AB	Numbers	
Subset:	UT	Subset Sheets:	UT08of 16

Project No./Code

FSA 0503-081

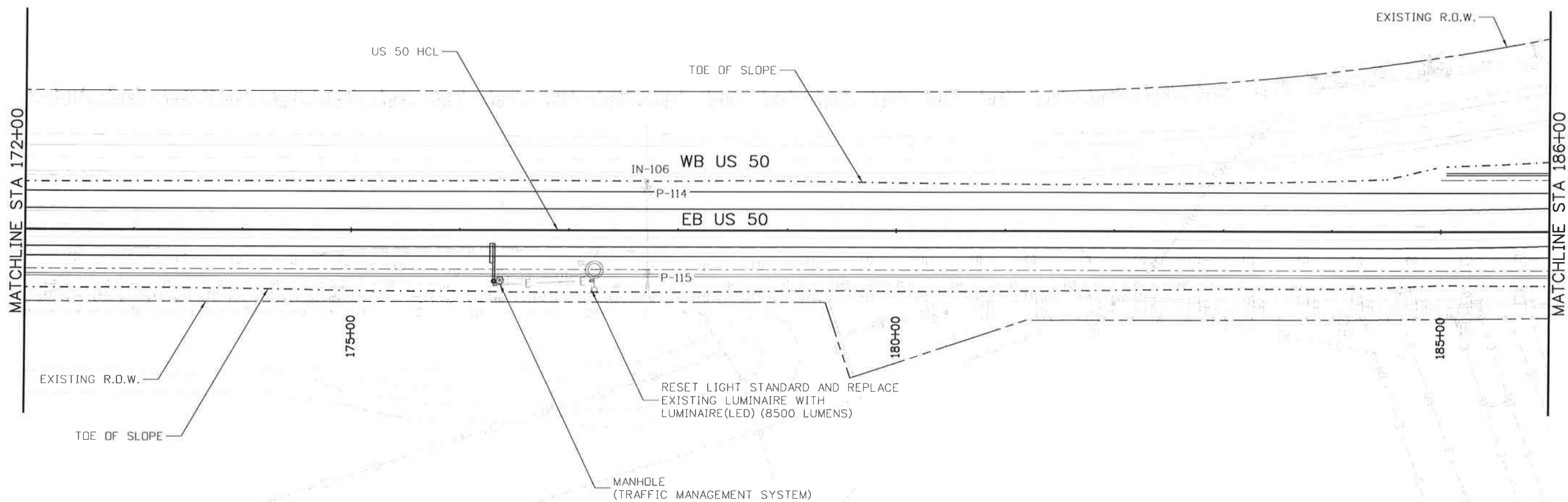
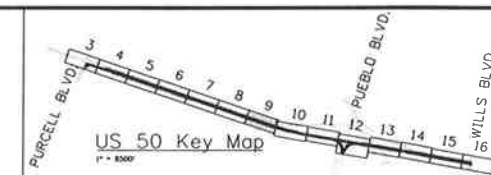
19751

Sheet Number 35

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Know what's below.
Call before you dig.



EXISTING R.O.W.
TOE OF SLOPE

RESET LIGHT STANDARD AND REPLACE EXISTING LUMINAIRE WITH LUMINAIRE(LED) (8500 LUMENS)

MANHOLE (TRAFFIC MANAGEMENT SYSTEM)



LEGEND

- RELOCATED LIGHT STANDARD
- CROSS PIPE AND STORM SEWER
- TRAFFIC PULL BOX, MANHOLE, ELECTRIC
- TRAFFIC CONDUIT

Print Date: 10/9/2014
 File Name: 19056-UTILITY09.dgn
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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Sheet Revisions		
Date:	Comments	Init.

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Region 2 DTD

As Constructed

No Revisions:

Revised:

Void:

US 50 WEST
 UTILITY PLANS
 172+00.00 TO 186+00.00

Designer: ACE
 Detailer: AB
 Subset: UT

Structure
 Numbers
 Subset Sheets: UT09 of 16

Project No./Code

FSA 0503-081

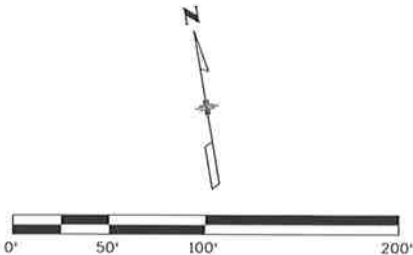
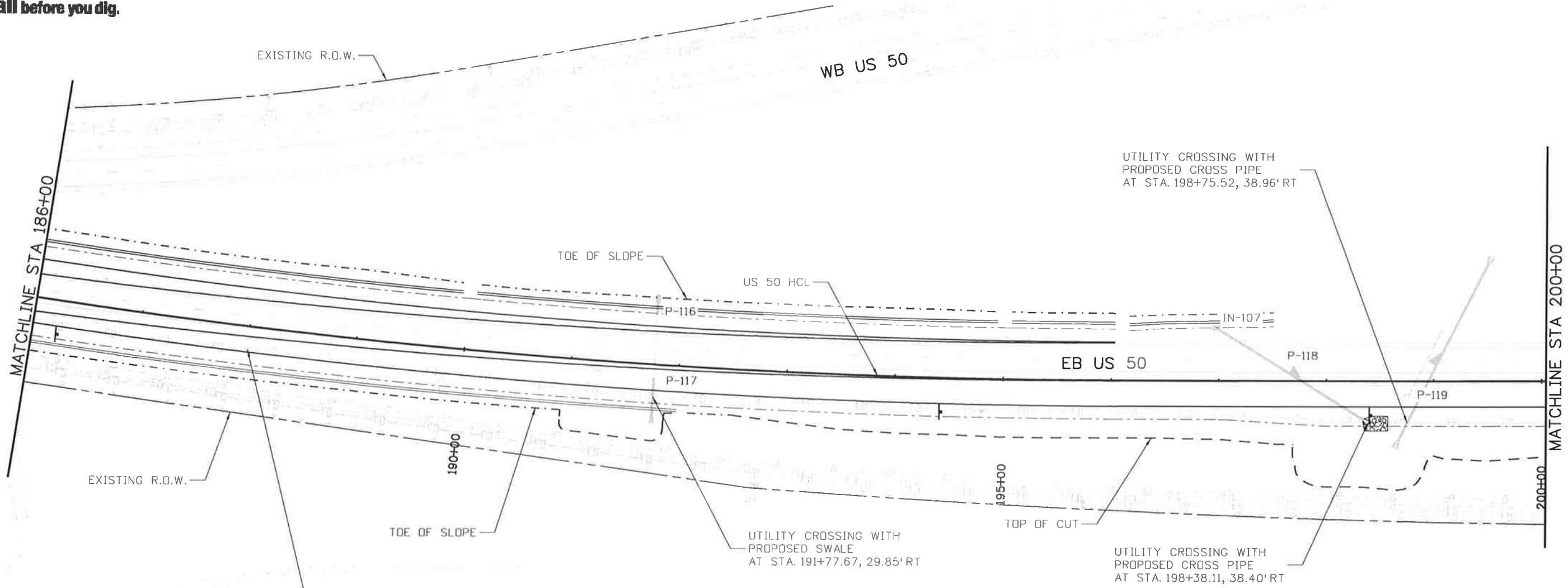
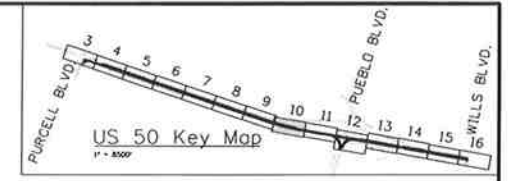
19751

Sheet Number 36

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Call before you dig.



LEGEND

- RELOCATED LIGHT STANDARD
- CROSS PIPE AND STORM SEWER
- TRAFFIC PULL BOX, MANHOLE, ELECTRIC
- TRAFFIC CONDUIT

Print Date: 10/9/2014
 File Name: 19056_UTILITY10.dgn
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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Region 2 DTD

As Constructed

No Revisions:
 Revised:
 Void:

**US 50 WEST
 UTILITY PLANS
 186+00.00 TO 200+00.00**

Designer: ACE
 Detailer: AB
 Subset: UT

Structure Numbers
 Subset Sheets: UT10 of 16

Project No./Code

FSA 0503-081

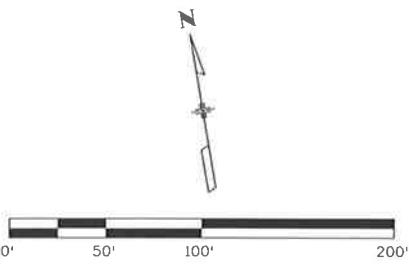
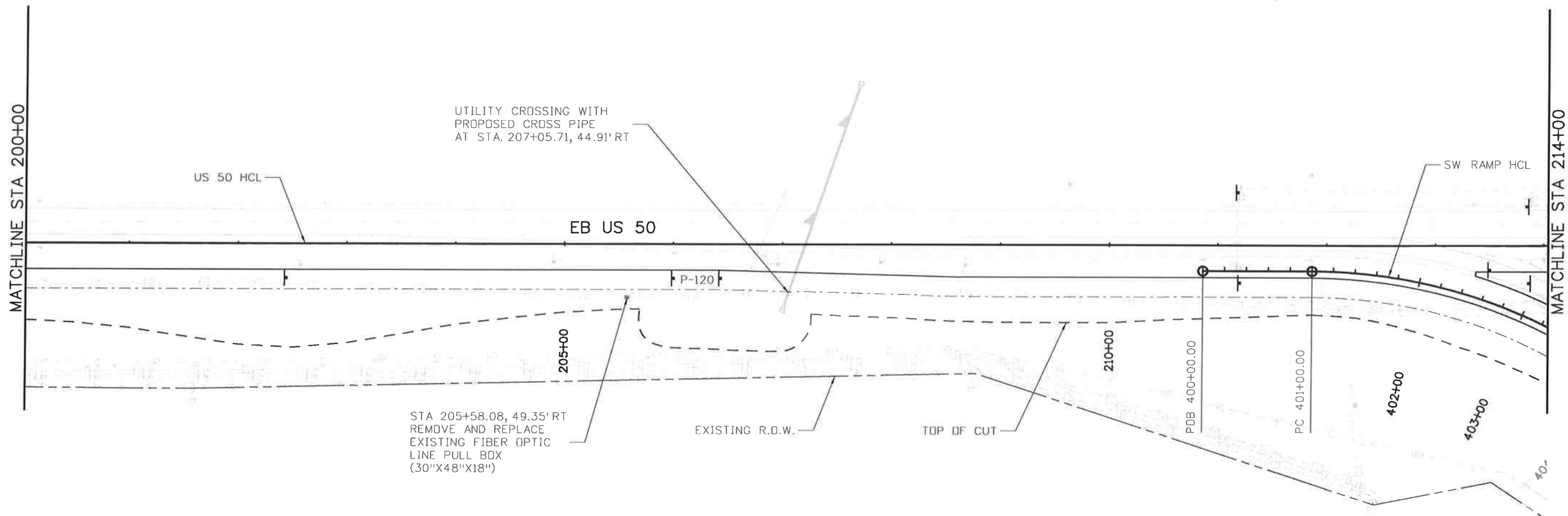
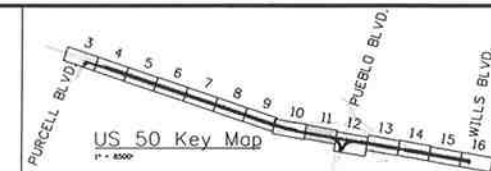
19751

Sheet Number 37

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LEGEND

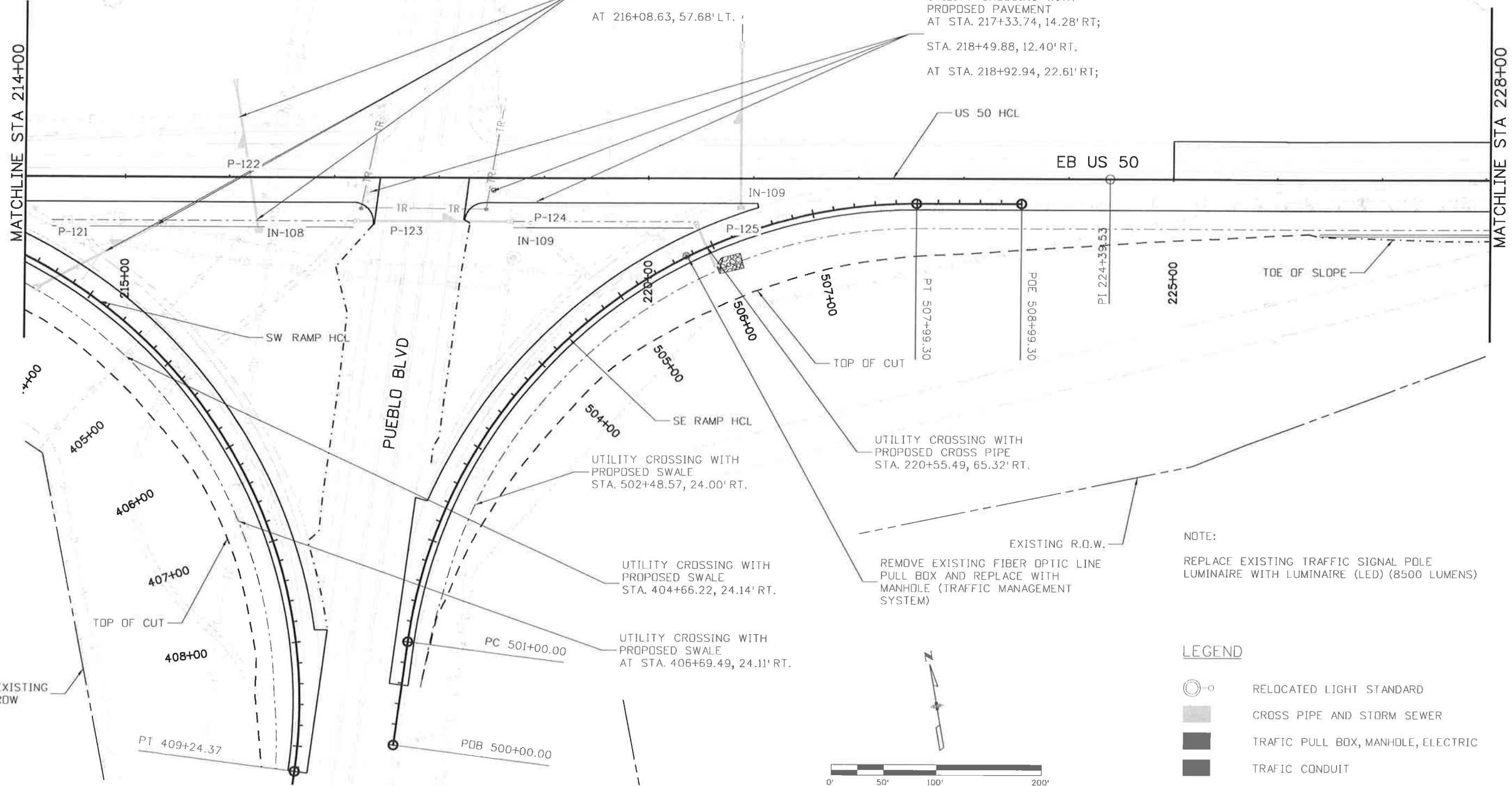
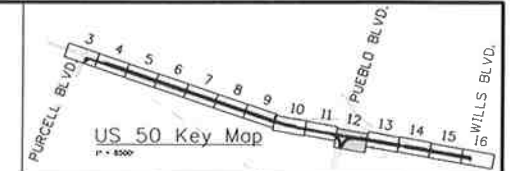
- RELOCATED LIGHT STANDARD
- CROSS PIPE AND STORM SEWER
- TRAFFIC PULL BOX, MANHOLE, ELECTRIC
- TRAFFIC CONDUIT

Print Date: 10/9/2014		Sheet Revisions			Colorado Department of Transportation 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2	As Constructed No Revisions: Revised: Void:	US 50 WEST UTILITY PLANS 200+00.00 TO 214+00.00		Project No./Code	
File Name: 19056_UTILITY11.dgn		Date:	Comments	Init.					FSA 0503-081	
Horiz. Scale: 1:100 Vert. Scale: As Noted									19751	
J.F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120					DTD	Designer: ACE Detailer: AB Subset: UT	Structure Numbers Subset Sheets: UT11 of 16	Sheet Number 38		

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Print Date: 10/9/2014

File Name: 19056_UTILITY12.dgn

Horiz. Scale: 1:100 Vert. Scale: As Noted

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Region 2 **DTD**

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No Revisions:
Revised:
Void:

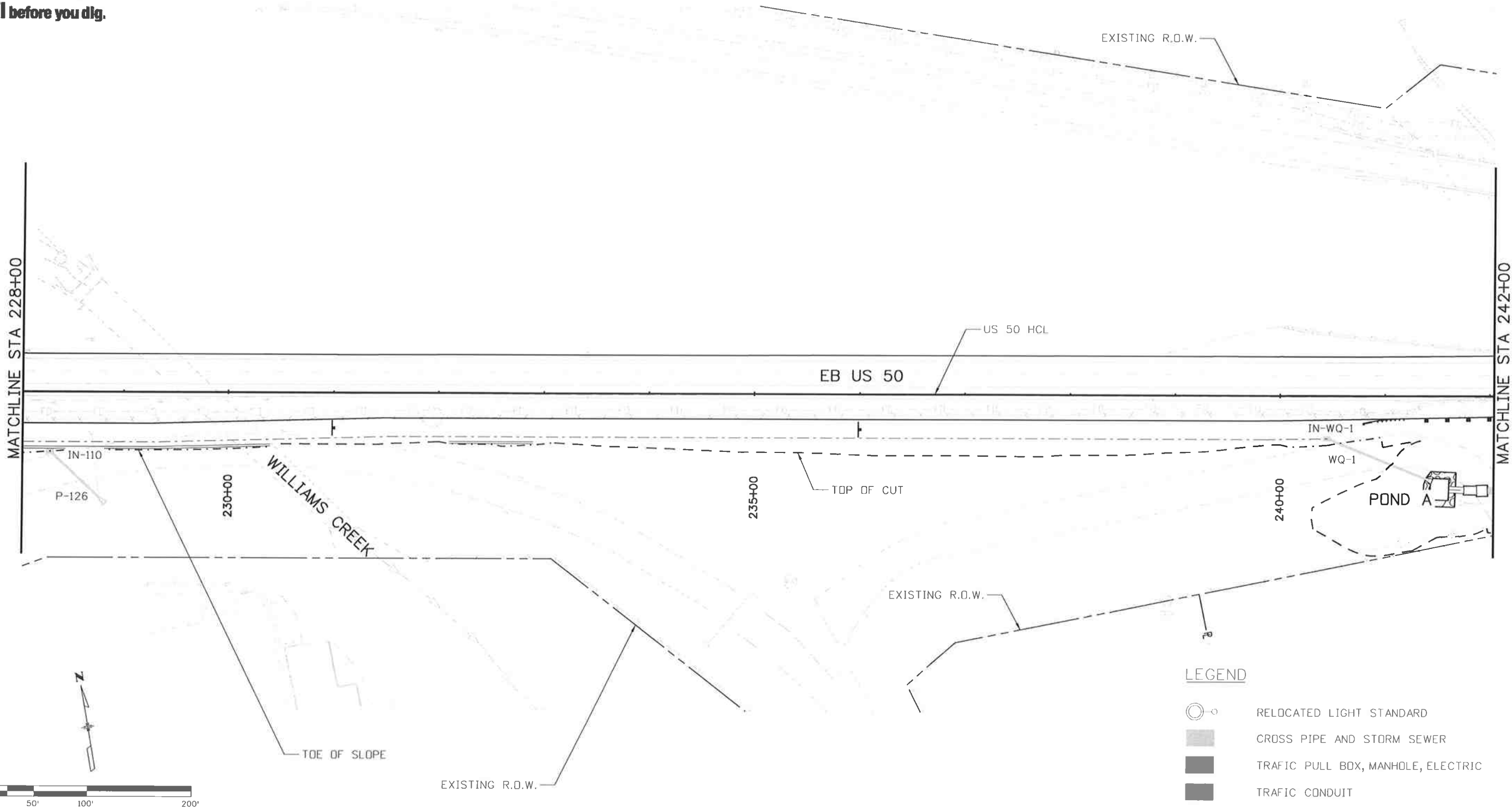
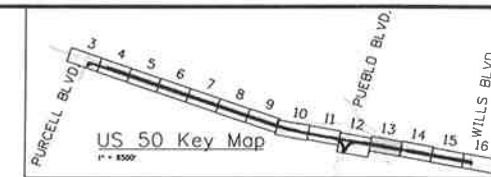
US 50 WEST UTILITY PLANS 214+00.00 TO 228+00.00	
Designer: ACE	Structure Numbers
Detailer: AB	
Subset: UT	Subset Sheets: UT12 of 15

Project No./Code
FSA 0503-081
19751
Sheet Number 39

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LEGEND

- RELOCATED LIGHT STANDARD
- CROSS PIPE AND STORM SEWER
- TRAFFIC PULL BDX, MANHOLE, ELECTRIC
- TRAFFIC CONDUIT

Print Date: 10/9/2014
 File Name: 19056-UTILITY13.dgn
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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Revised:

Void:

**US 50 WEST
UTILITY PLANS
228+00.00 TO 242+00.00**

Designer: ACE	Structure Numbers
Detailer: AB	
Subset: UT	Subset Sheets: UT13 of 16

Project No./Code

FSA 0503-081

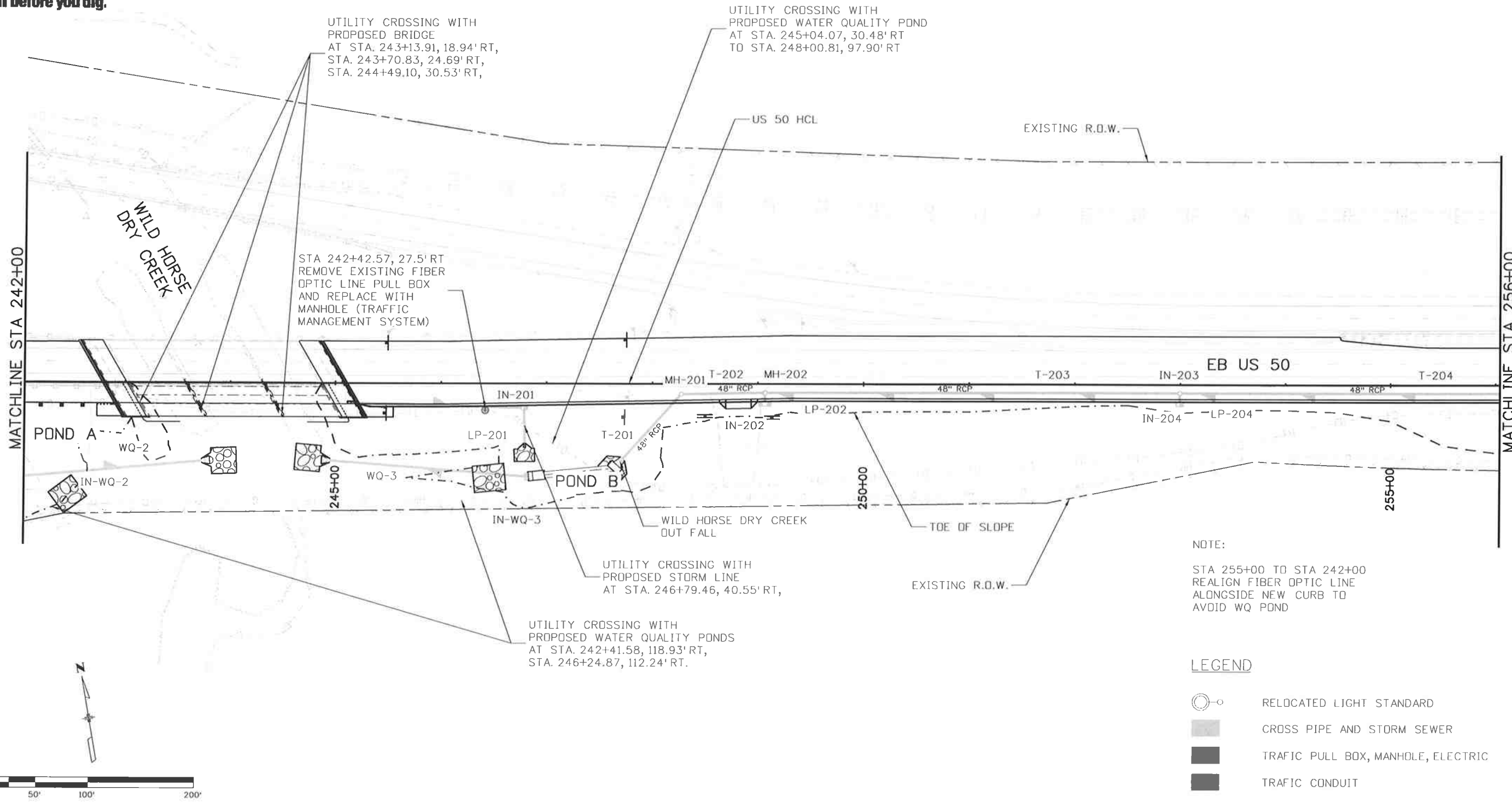
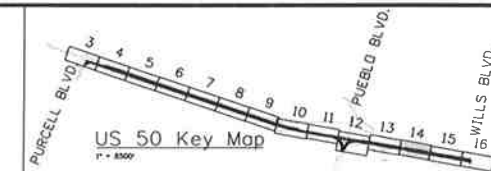
19751

Sheet Number 40

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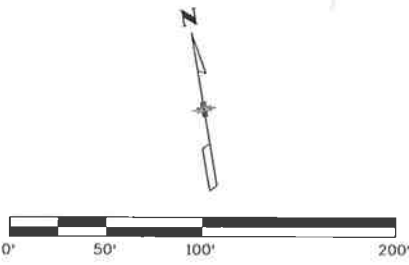


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Call before you dig.



NOTE:
STA 255+00 TO STA 242+00
REALIGN FIBER OPTIC LINE
ALONGSIDE NEW CURB TO
AVOID WQ POND

- LEGEND**
- RELOCATED LIGHT STANDARD
 - CROSS PIPE AND STORM SEWER
 - TRAFFIC PULL BOX, MANHOLE, ELECTRIC
 - TRAFFIC CONDUIT



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 File Name: 19056_UTILITY14.dgn
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 902 Erie Avenue
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 Phone: 719-562-5509 FAX: 719-546-5702
 Region 2 DTD

As Constructed
 No Revisions:
 Revised:
 Void:

US 50 WEST
 UTILITY PLANS
 242+00.00 TO 256+00.00

Designer: ACE
 Detailer: AB
 Subset: UT

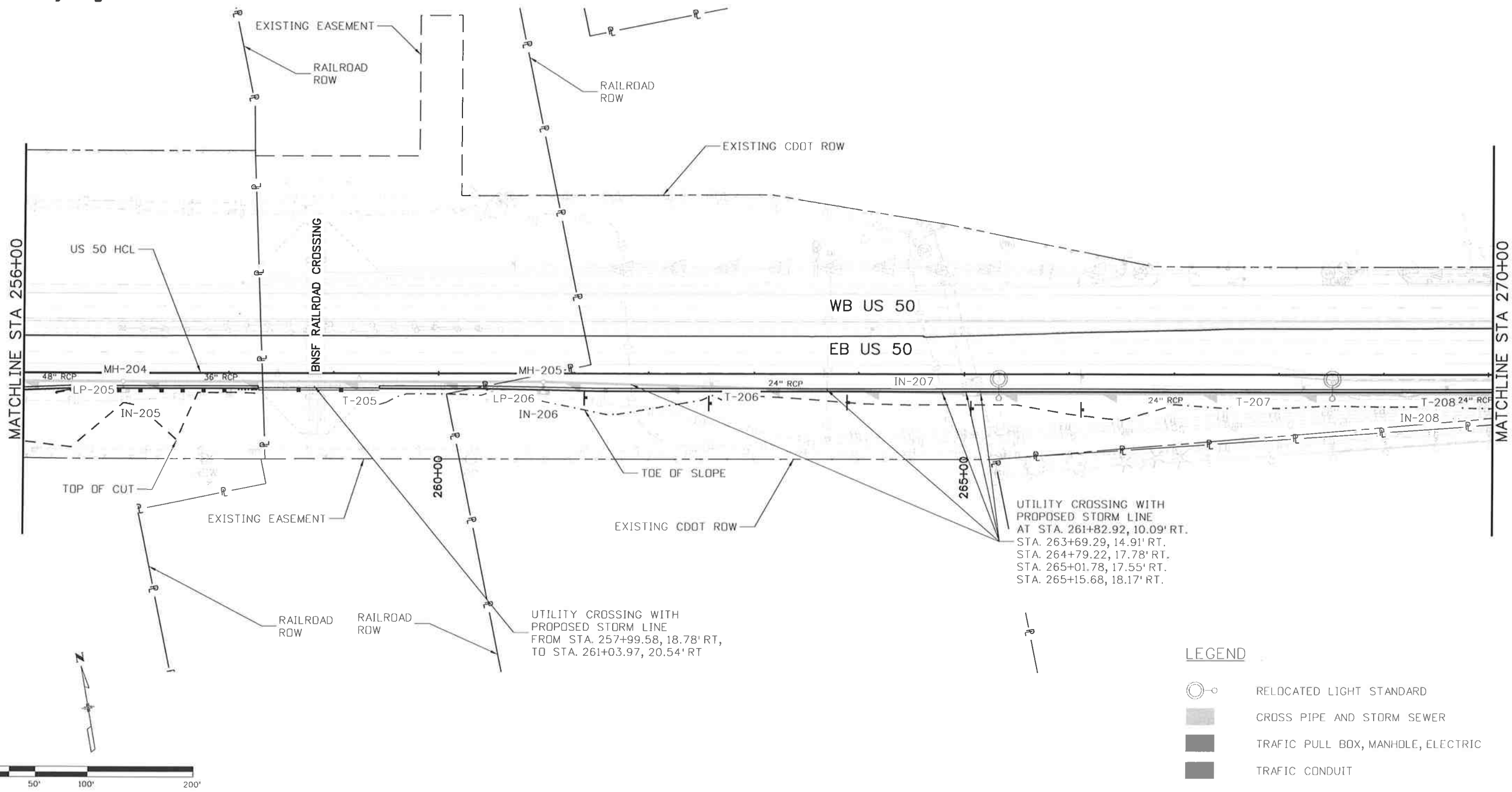
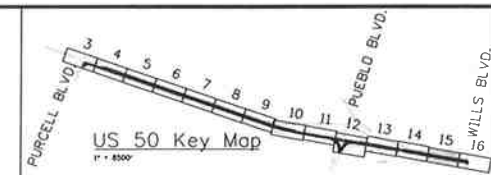
Structure Numbers
 Subset Sheets: UT14 of 16

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 41

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Know what's below.
Call before you dig.

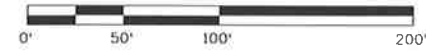


UTILITY CROSSING WITH PROPOSED STORM LINE
AT STA. 261+82.92, 10.09' RT.
STA. 263+69.29, 14.91' RT.
STA. 264+79.22, 17.78' RT.
STA. 265+01.78, 17.55' RT.
STA. 265+15.68, 18.17' RT.

UTILITY CROSSING WITH PROPOSED STORM LINE
FROM STA. 257+99.58, 18.78' RT,
TO STA. 261+03.97, 20.54' RT

LEGEND

	RELOCATED LIGHT STANDARD
	CROSS PIPE AND STORM SEWER
	TRAFFIC PULL BOX, MANHOLE, ELECTRIC
	TRAFFIC CONDUIT



Print Date: 10/9/2014
File Name: 19056_UTILITY15.dgn
Horiz. Scale: 1:100 Vert. Scale: As Noted

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Date:	Comments	Init.

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Revised:

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**US 50 WEST
UTILITY PLANS
256+00.00 TO 270+00.00**

Designer:	ACE	Structure	
Detailer:	AB	Numbers	
Subset:	UT	Subset Sheets:	UT15 of 16

Project No./Code

FSA 0503-081

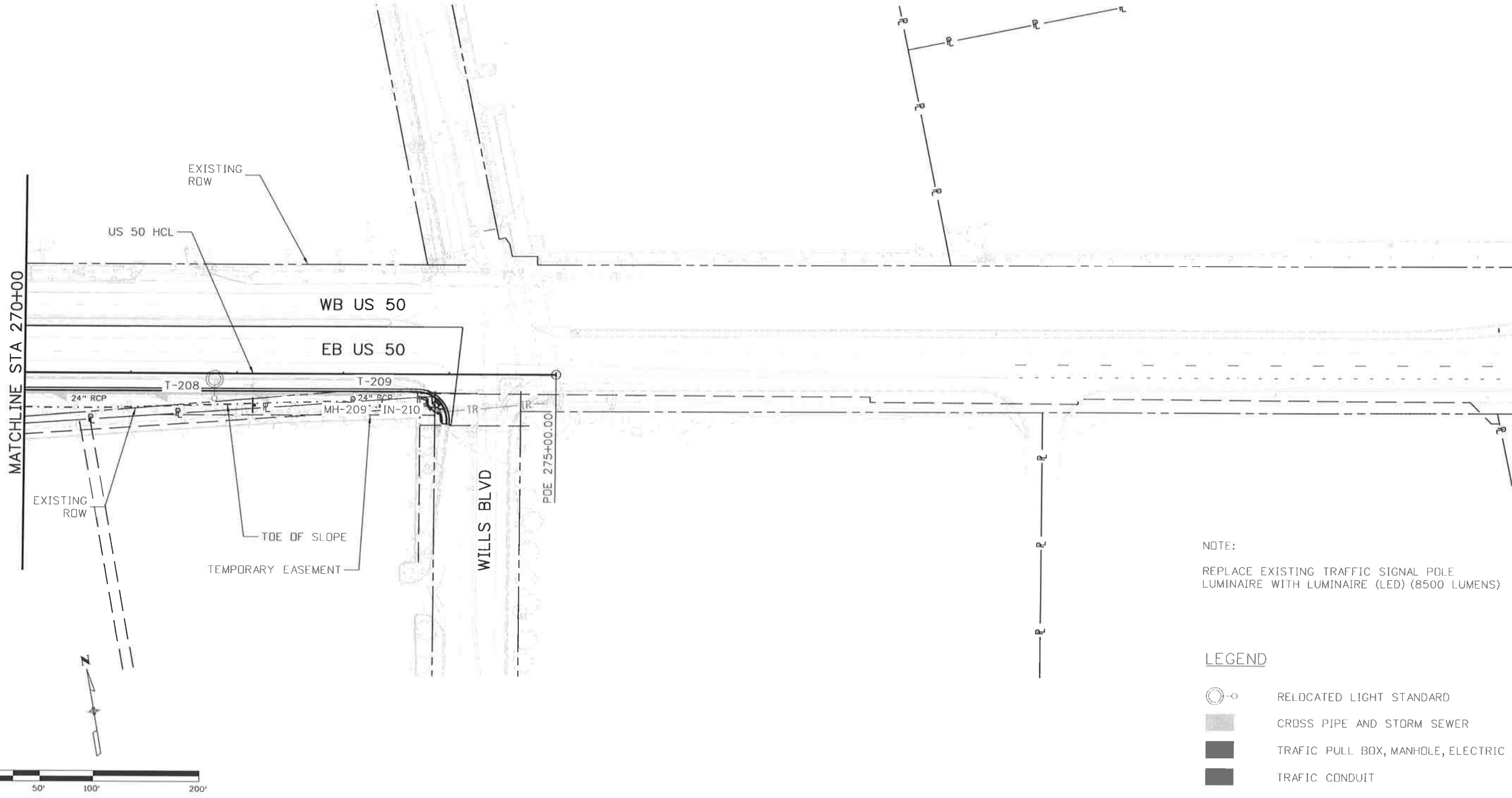
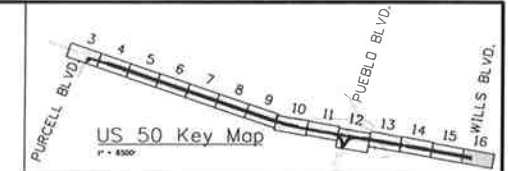
19751

Sheet Number 42

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NOTE:
REPLACE EXISTING TRAFFIC SIGNAL POLE
LUMINAIRE WITH LUMINAIRE (LED) (8500 LUMENS)

- LEGEND**
- RELOCATED LIGHT STANDARD
 - CROSS PIPE AND STORM SEWER
 - TRAFFIC PULL BDX, MANHOLE, ELECTRIC
 - TRAFFIC CONDUIT

Print Date: 10/9/2014
 File Name: 19056_UTILITY16.dgn
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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**US 50 WEST
 UTILITY PLANS
 270+00.00 TO 275+00.00**

Designer: ACE
 Detailer: AB
 Subset: UT

Structure Numbers
 Subset Sheets: UT16 of 16

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 43

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PDB 95+00.00

PDB US 50
STA 95+00.00
N 604879.26
E 229751.01

US 50 HCL

S 71°14'55" E
9079.29'

MATCHLINE STA 185+00

100+00

105+00

110+00

115+00

120+00

125+00

130+00

135+00

140+00

145+00

150+00

155+00

160+00

165+00

170+00

175+00

180+00



Print Date: 10/9/2014

File Name: 19056DES_Geom01.dgn

Horiz. Scale: 1:600

Vert. Scale: As Noted



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Region 2

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DTD

As Constructed

No Revisions:

Revised:

Void:

U.S. 50 WEST:
PURCELL BLVD. TO WILLS BLVD.
GEOMETRY PLAN

Designer:	ACE	Structure	
Detailer:	ACE	Numbers	
Subset:	GEDM	Subset Sheets:	GED1 of 2

Project No./Code

FSA 0503-081

19751

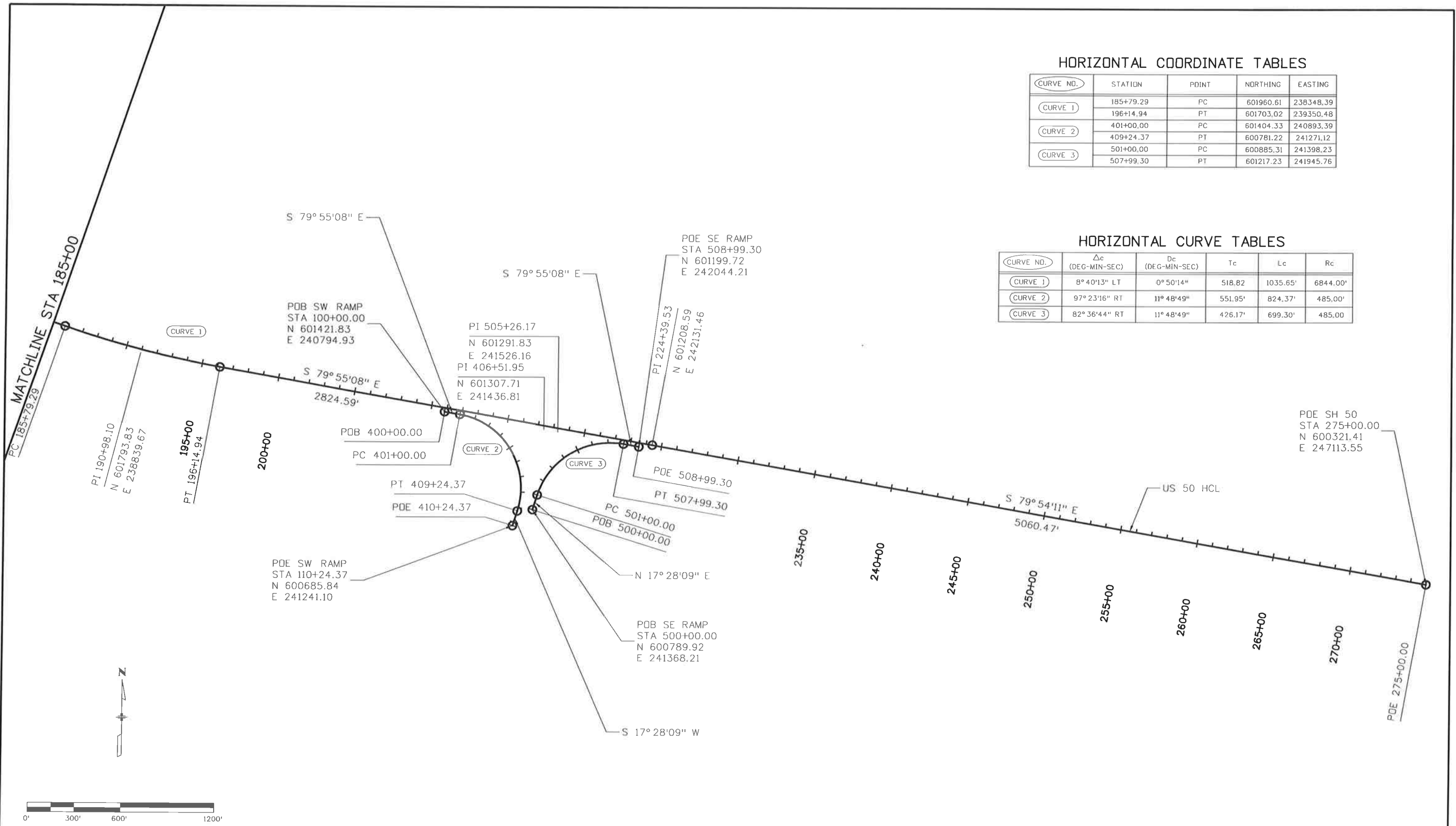
Sheet Number 44

HORIZONTAL COORDINATE TABLES

CURVE NO.	STATION	POINT	NORTHING	EASTING
CURVE 1	185+79.29	PC	601960.61	238348.39
	196+14.94	PT	601703.02	239350.48
CURVE 2	401+00.00	PC	601404.33	240893.39
	409+24.37	PT	600781.22	241271.12
CURVE 3	501+00.00	PC	600885.31	241398.23
	507+99.30	PT	601217.23	241945.76

HORIZONTAL CURVE TABLES

CURVE NO.	Δ_c (DEG-MIN-SEC)	D_c (DEG-MIN-SEC)	T_c	L_c	R_c
CURVE 1	8° 40' 13" LT	0° 50' 14"	518.82	1035.65'	6844.00'
CURVE 2	97° 23' 16" RT	11° 48' 49"	551.95'	824.37'	485.00'
CURVE 3	82° 36' 44" RT	11° 48' 49"	426.17'	699.30'	485.00'

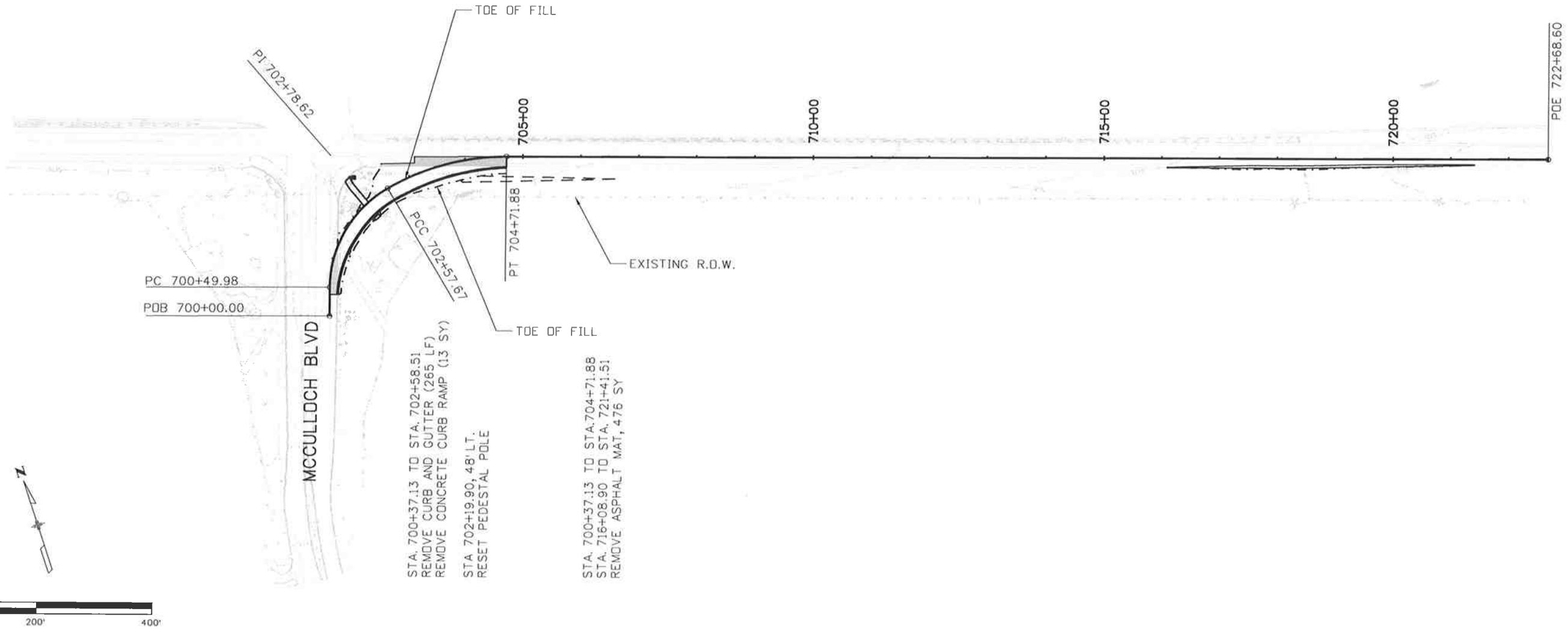


Print Date: 10/9/2014 File Name: I9056DES_Geom02.dgn Horiz. Scale: 1:600 Vert. Scale: As Noted	0000	Sheet Revisions <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Date:</th> <th>Comments</th> <th>Init.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Date:	Comments	Init.										Colorado Department of Transportation 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2	As Constructed No Revisions: Revised: Void:	U.S. 50 WEST: PURCELL BLVD. TO WILLS BLVD. GEOMETRY PLAN	Project No./Code FSA 0503-081 19751 Sheet Number 45
Date:	Comments	Init.																
J. F. SAID AND ASSOCIATES 5898 South Ropp Street Littleton, Colorado 80120		Region 2		DTD		Designer: ACE Structure Numbers Detailer: ACE Subset: GEOM Subset Sheets: GED2 of 2												

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LEGEND

- REMOVAL OF ASPHALT MAT
- REMOVAL OF ASPHALT MAT (PLANING)
- RELOCATED LIGHT STANDARD



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Revised:
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US 50 WEST MCCULLOCH BLVD REMOVAL AND RESET	
Designer:	AB
Detailer:	AB
Subset:	REM

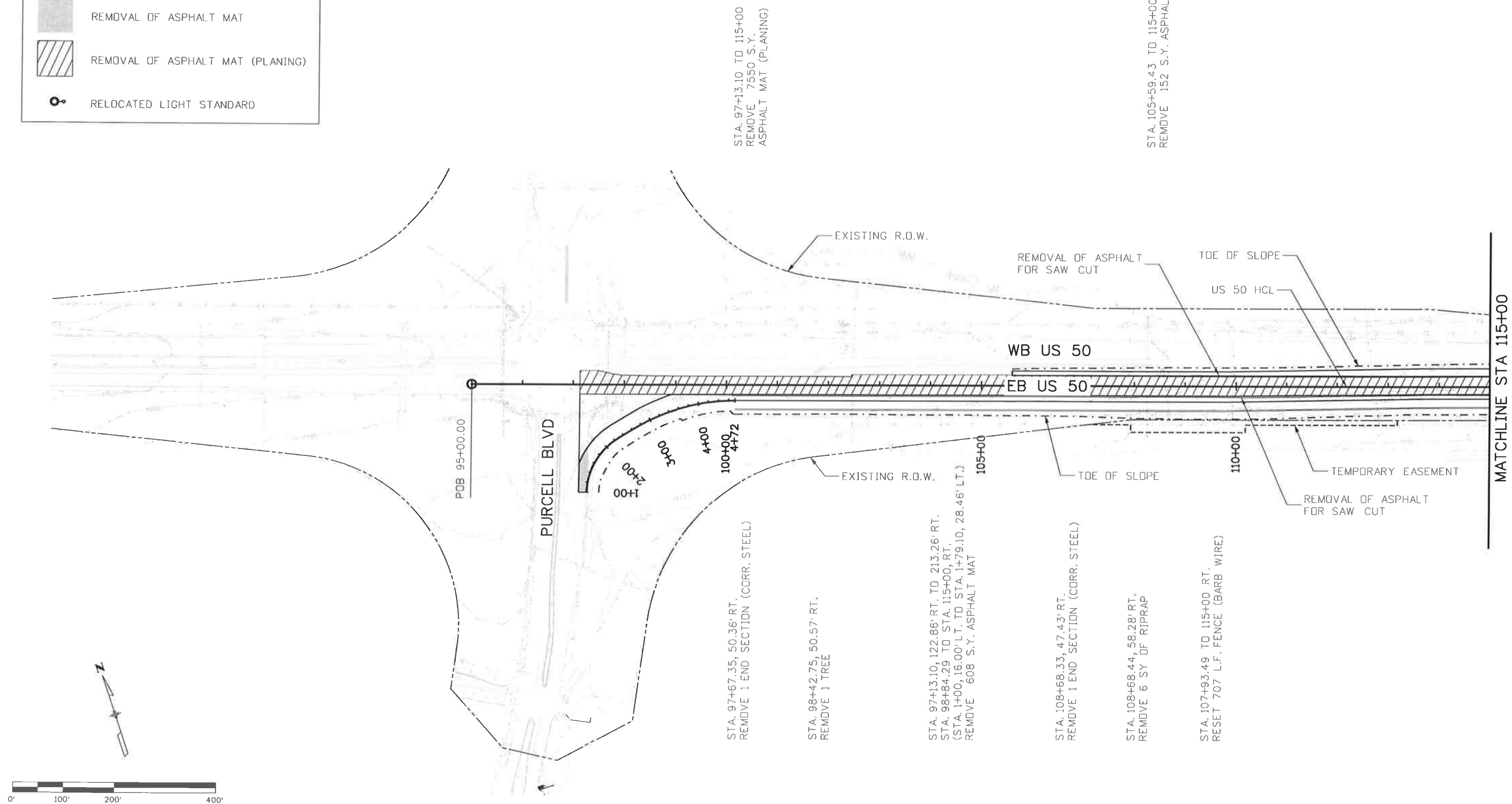
Project No./Code
FSA 0503-081
19751
Sheet Number 46

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LEGEND

- REMOVAL OF ASPHALT MAT
- REMOVAL OF ASPHALT MAT (PLANING)
- RELOCATED LIGHT STANDARD



STA. 97+13.10 TO 115+00
REMOVE 7550 S.Y.
ASPHALT MAT (PLANING)

STA. 105+59.43 TO 115+00 LT.
REMOVE 152 S.Y. ASPHALT MAT

STA. 97+67.35, 50.36' RT.
REMOVE 1 END SECTION (CORR. STEEL)

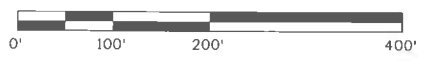
STA. 98+42.75, 50.57' RT.
REMOVE 1 TREE

STA. 97+13.10, 122.86' RT. TO 213.26' RT.
STA. 98+84.29 TO STA. 115+00, RT.
(STA. 1+00, 16.00' LT. TO STA. 1+79.10, 28.46' LT.)
REMOVE 608 S.Y. ASPHALT MAT

STA. 108+68.33, 47.43' RT.
REMOVE 1 END SECTION (CORR. STEEL)

STA. 108+68.44, 58.28' RT.
REMOVE 6 SY OF RIPRAP

STA. 107+93.49 TO 115+00 RT.
RESET 707 L.F. FENCE (BARB WIRE)



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Region 2 **DTD**

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**US 50 WEST
 PURCELL BLVD TO WILLS BLVD
 REMOVAL AND RESET**

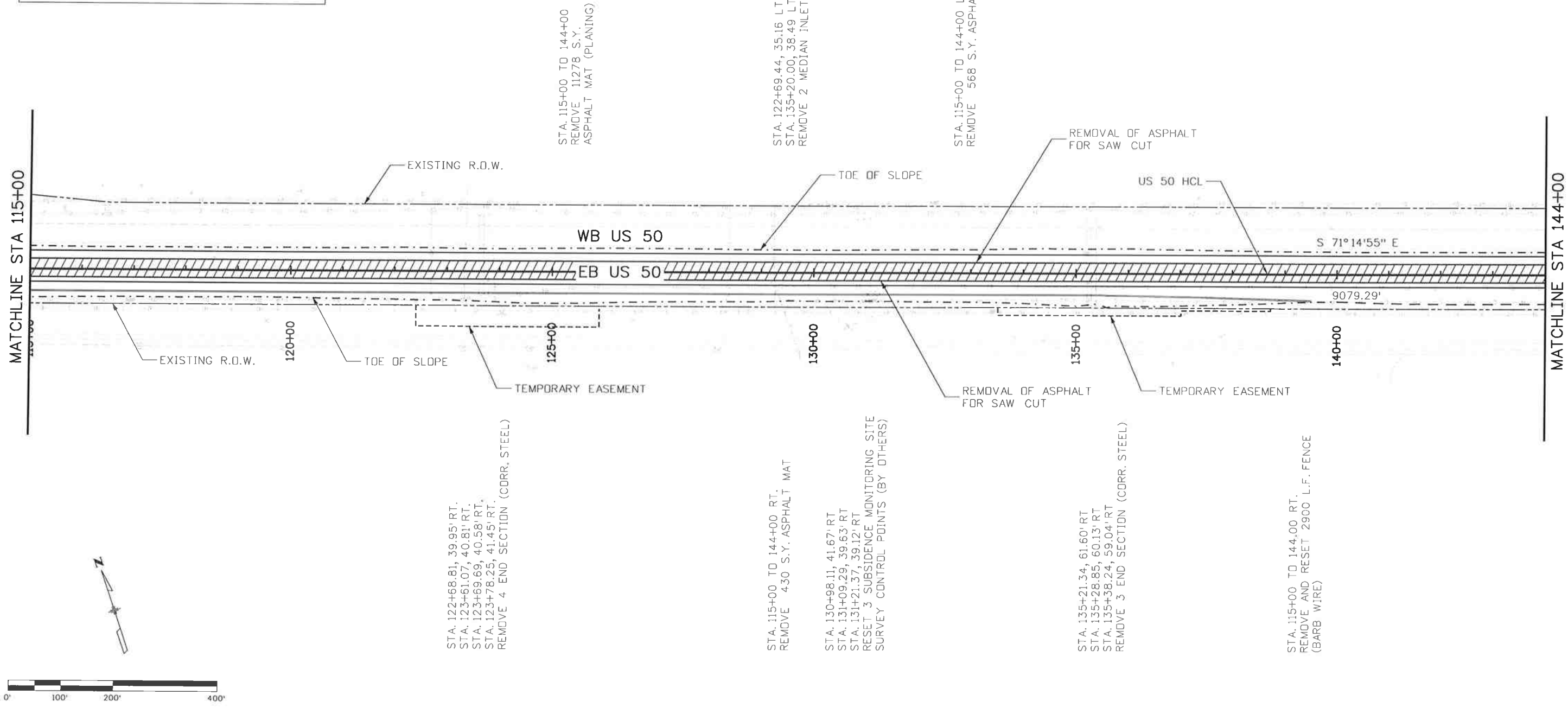
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Detailer:	AB	Numbers	
Subset:	REM	Subset Sheets:	REM2 of 08

Project No./Code
FSA 0503-081
19751
Sheet Number 47

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LEGEND

- REMOVAL OF ASPHALT MAT
- REMOVAL OF ASPHALT MAT (PLANING)
- RELOCATED LIGHT STANDARD



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 File Name: 190566REM_US50-03.dgn
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Date:	Comments	Init.

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Region 2 **DTD**

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**US 50 WEST
 PURCELL BLVD TO WILLS BLVD
 REMOVAL AND RESET**

Designer:	AB	Structure Numbers	
Detailer:	AB		
Subset:	REM	Subset Sheets:	REM3of 08

Project No./Code

FSA 0503-081

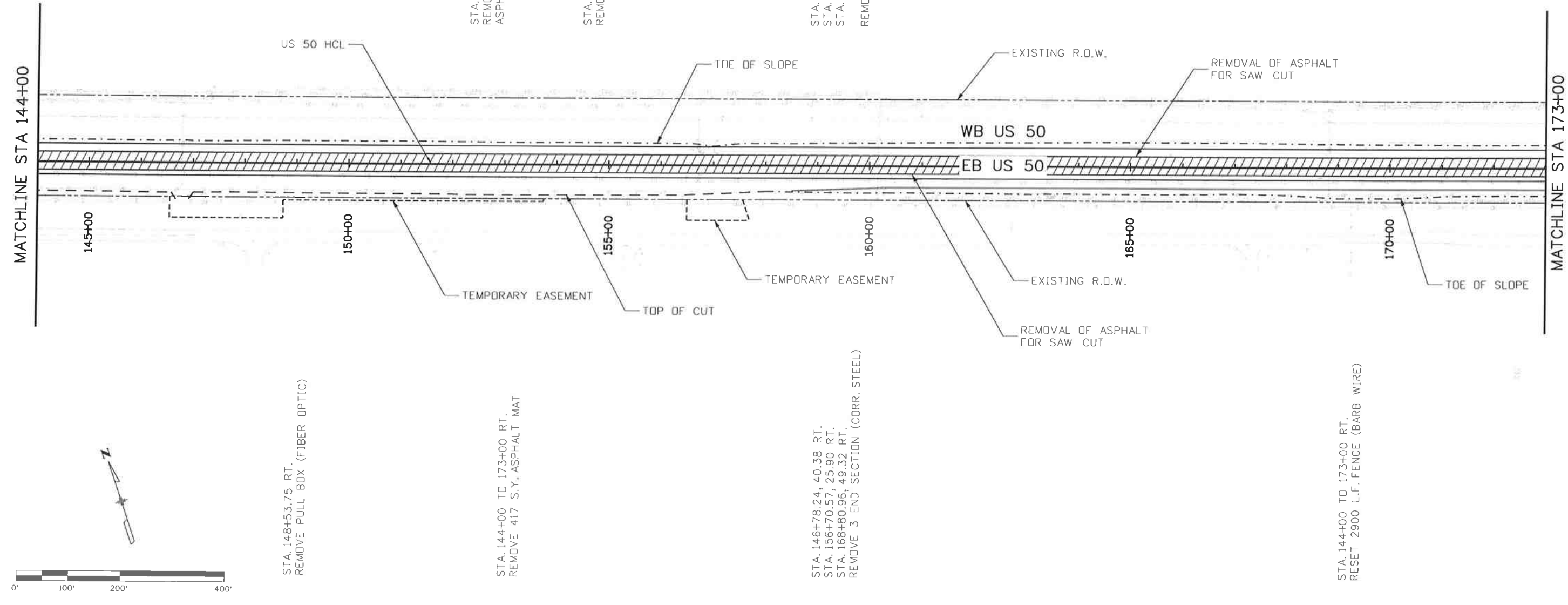
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LEGEND




- REMOVAL OF ASPHALT MAT
- REMOVAL OF ASPHALT MAT (PLANING)
- RELOCATED LIGHT STANDARD

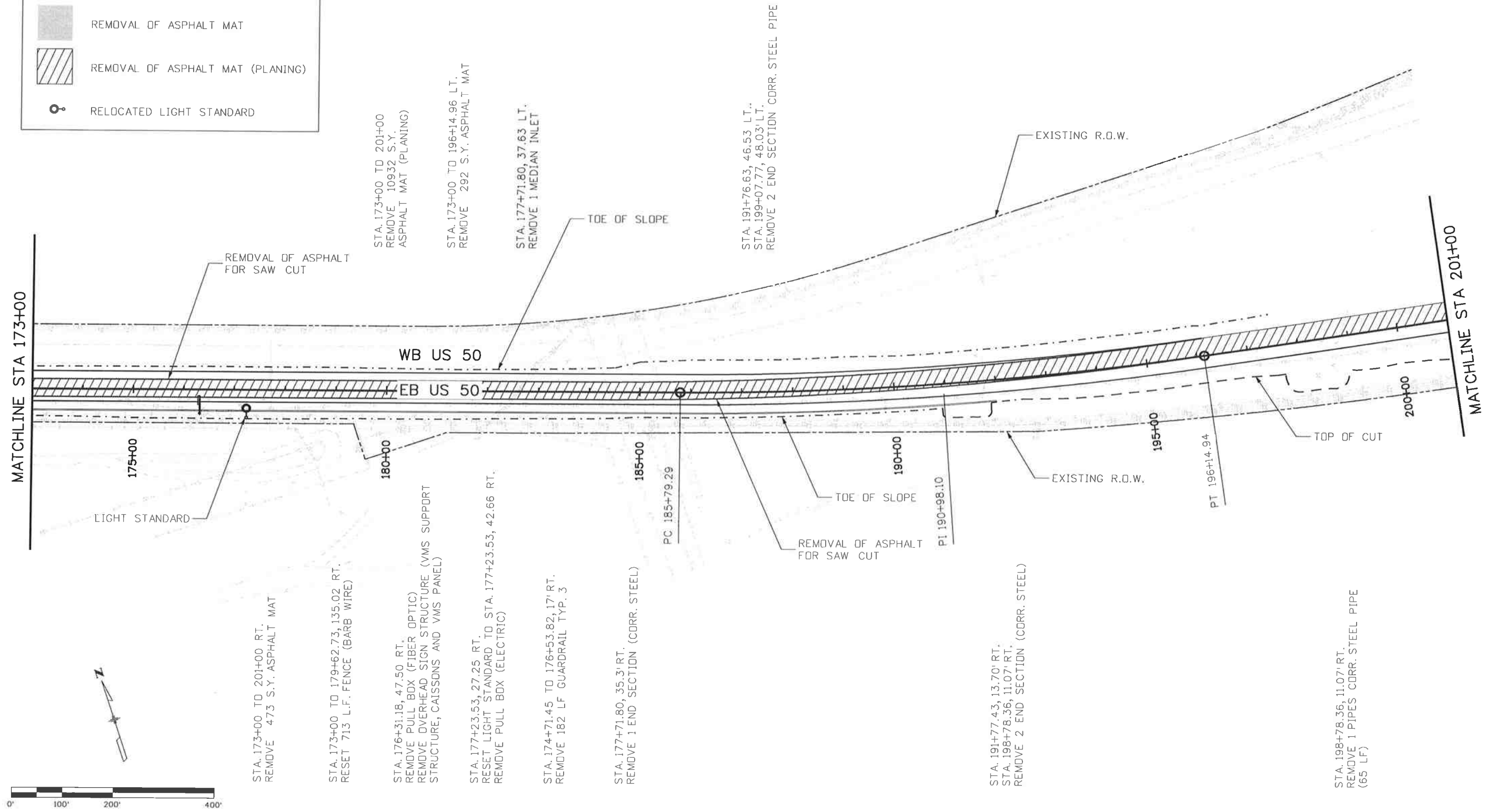


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Date:	Comments				Init.																										
File Name: 19056REM_US50-04.dgn		Colorado Department of Transportation 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2		Designer: AB Detailer: AB Subset: REM		Structure Numbers Subset Sheets: REM4of 08 Sheet Number 49																									
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LEGEND

-  REMOVAL OF ASPHALT MAT
-  REMOVAL OF ASPHALT MAT (PLANING)
-  RELOCATED LIGHT STANDARD



STA. 173+00 TO 201+00
 REMOVE 10932 S.Y.
 ASPHALT MAT (PLANING)

STA. 173+00 TO 196+14.96 LT.
 REMOVE 292 S.Y. ASPHALT MAT

STA. 177+71.80, 37.63 LT.
 REMOVE 1 MEDIAN INLET

STA. 191+76.63, 46.53 LT.,
 STA. 199+07.77, 48.03 LT.
 REMOVE 2 END SECTION CORR. STEEL PIPE

STA. 173+00 TO 201+00 RT.
 REMOVE 473 S.Y. ASPHALT MAT

STA. 173+00 TO 179+62.73, 135.02 RT.
 RESET 713 L.F. FENCE (BARB WIRE)

STA. 176+31.18, 47.50 RT.
 REMOVE PULL BOX (FIBER OPTIC)
 REMOVE OVERHEAD SIGN STRUCTURE (VMS SUPPORT
 STRUCTURE, CAISSONS AND VMS PANEL)

STA. 177+23.53, 27.25 RT.
 RESET LIGHT STANDARD TO STA. 177+23.53, 42.66 RT.
 REMOVE PULL BOX (ELECTRIC)

STA. 174+71.45 TO 176+53.82, 17' RT.
 REMOVE 182 LF GUARDRAIL TYP. 3

STA. 177+71.80, 35.3' RT.
 REMOVE 1 END SECTION (CORR. STEEL)

STA. 191+77.43, 13.70' RT.
 STA. 198+78.36, 11.07' RT.
 REMOVE 2 END SECTION (CORR. STEEL)

STA. 198+78.36, 11.07' RT.
 REMOVE 1 PIPES CORR. STEEL PIPE
 (65 LF)



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File Name: 19056REM_US50-05.dgn


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Region 2 DTD

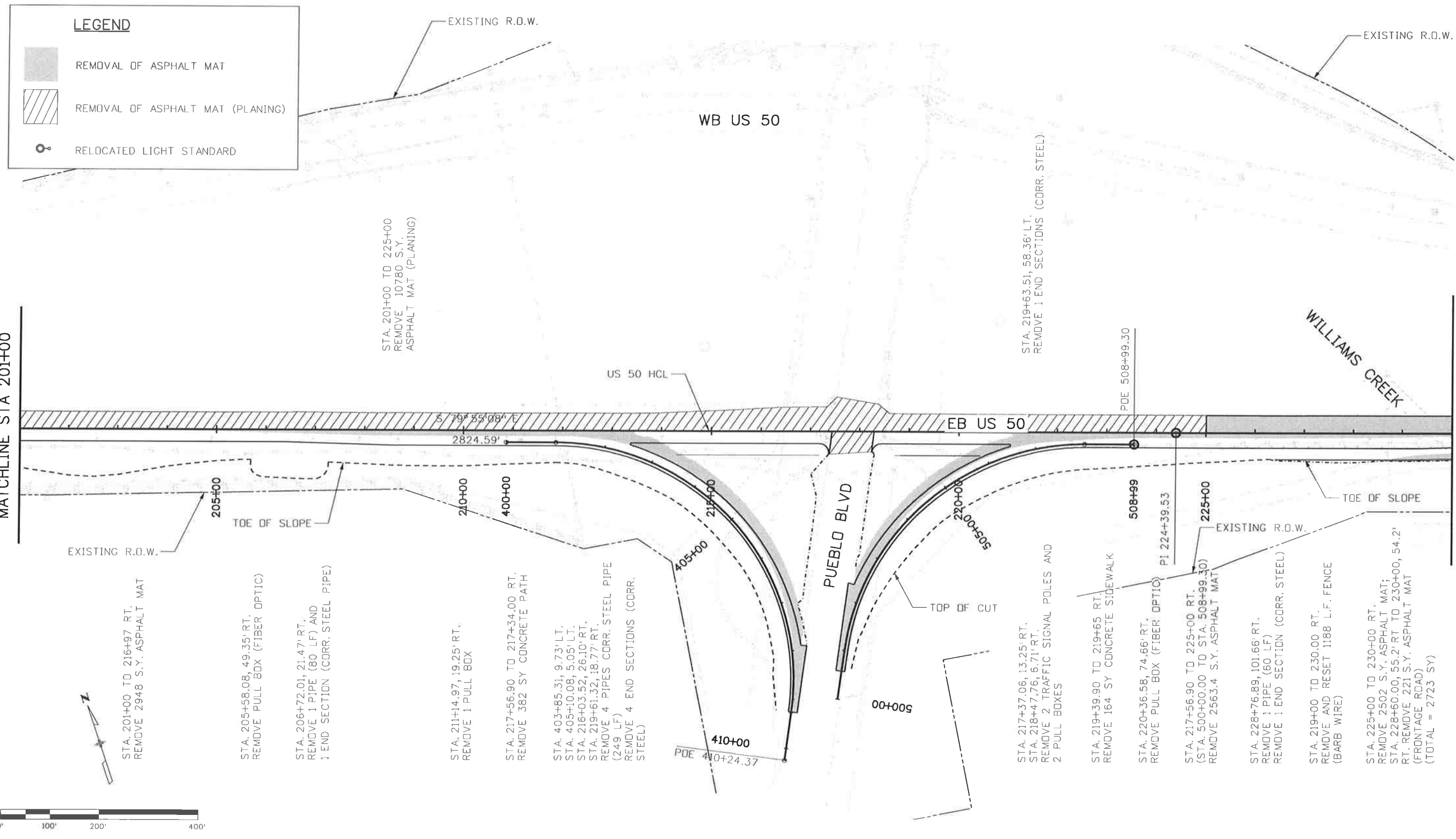
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No Revisions:
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**US 50 WEST
 PURCELL BLVD TO WILLS BLVD
 REMOVAL AND RESET**

Designer:	AB	Structure	
Detailer:	AB	Numbers	
Subset:	REM	Subset Sheets:	REM5of 08

Project No./Code	FSA 0503-081
	19751
Sheet Number	50

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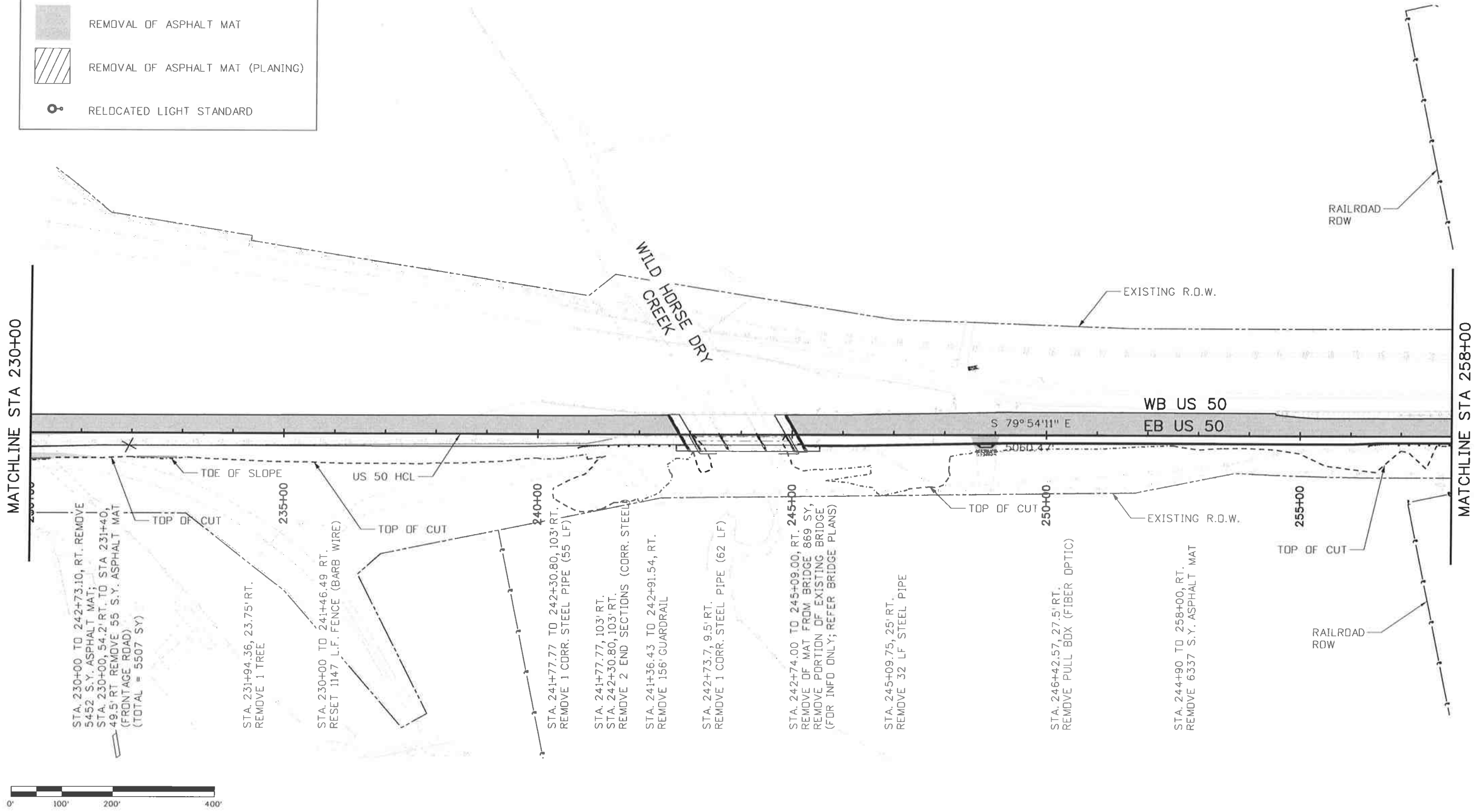


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Horiz. Scale: 1:200 Vert. Scale: As Noted					Region 2 DTD		Revised:		19751		
JFS&A J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120							Void:		Sheet Number 51		
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LEGEND

- REMOVAL OF ASPHALT MAT
- REMOVAL OF ASPHALT MAT (PLANING)
- RELOCATED LIGHT STANDARD



Print Date: 10/9/2014	
File Name: 19056REM_US50-07.dgn	
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Region 2 **DTD**




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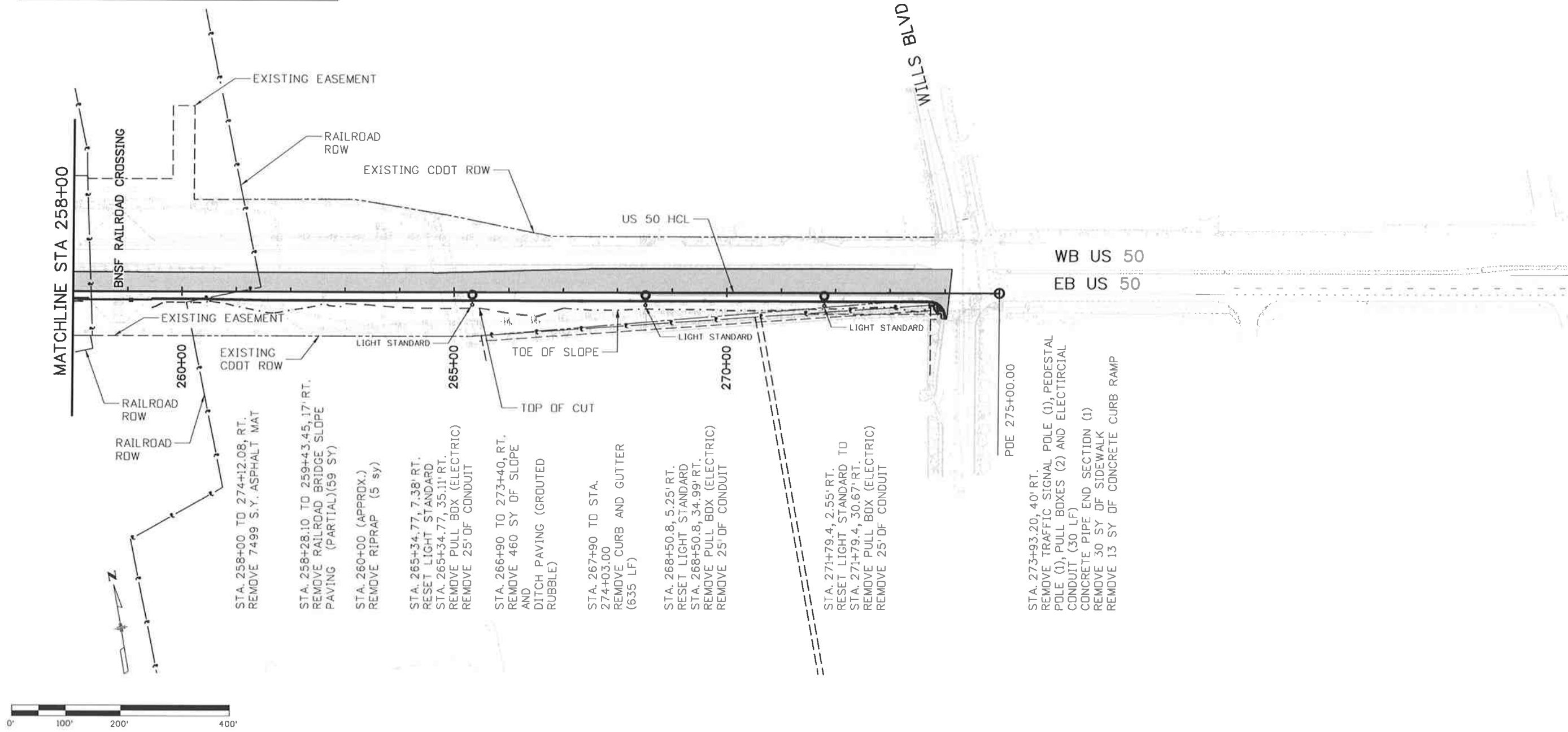
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Project No./Code
FSA 0503-081
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Sheet Number 52

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LEGEND

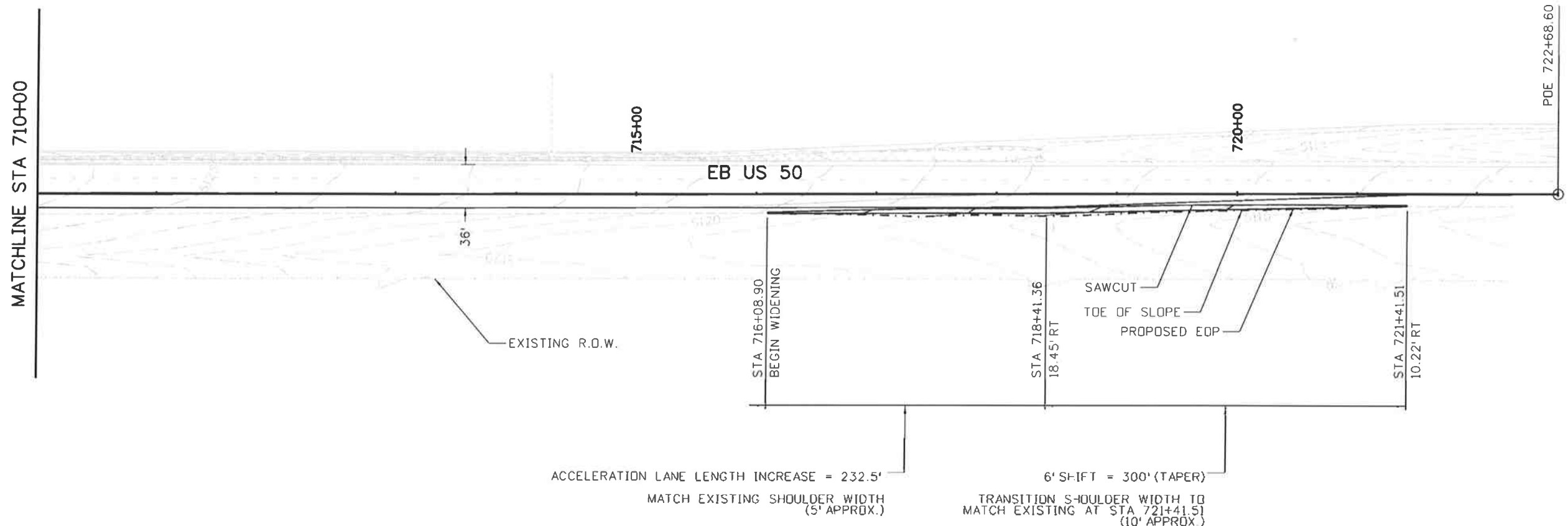
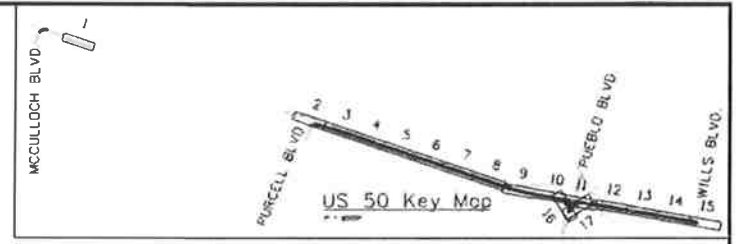
 REMOVAL OF ASPHALT MAT
 REMOVAL OF ASPHALT MAT (PLANING)
 RELOCATED LIGHT STANDARD



Print Date: 10/9/2014	Sheet Revisions			Colorado Department of Transportation  902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2	As Constructed No Revisions: Revised: Void:	US 50 WEST PURCELL BLVD TO WILLS BLVD REMOVAL AND RESET			Project No./Code	
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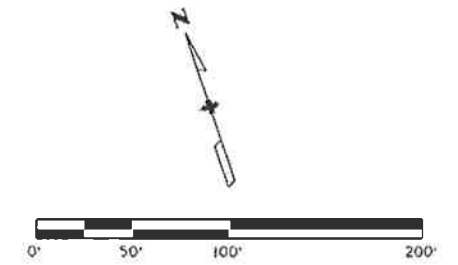


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LEGEND

	2" MILL/OVERLAY
	EXISTING PAVEMENT

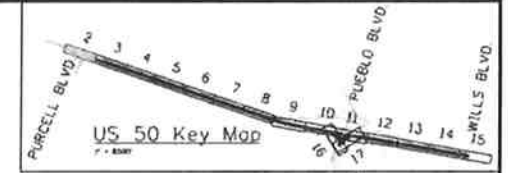


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	J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120				Void:	Subset:	PP	Subset Sheets: PP01 of 17	Sheet Number 54		

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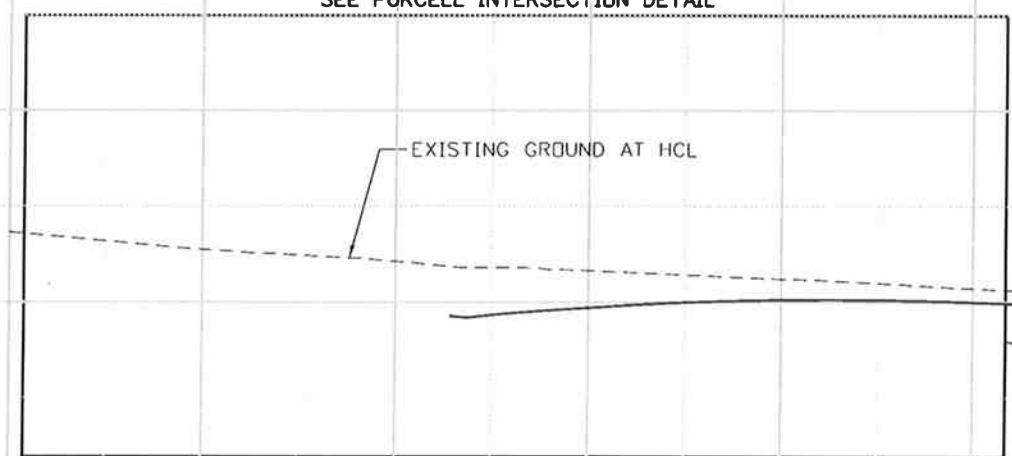
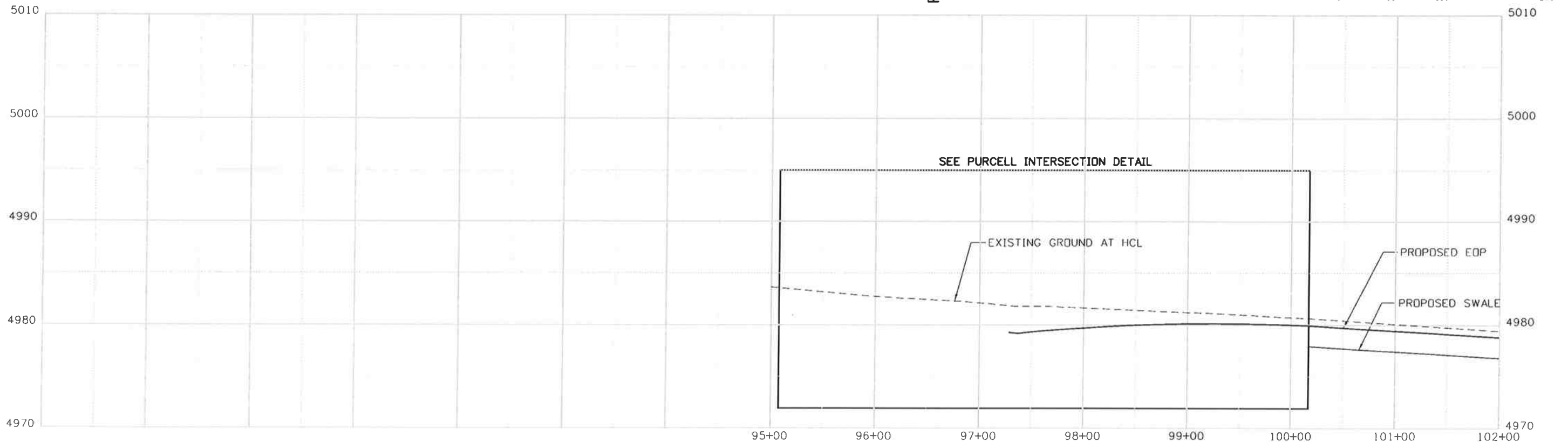


Know what's below. Call before you dig.



LEGEND

- 2" MILL/OVERLAY
- EXISTING PAVEMENT

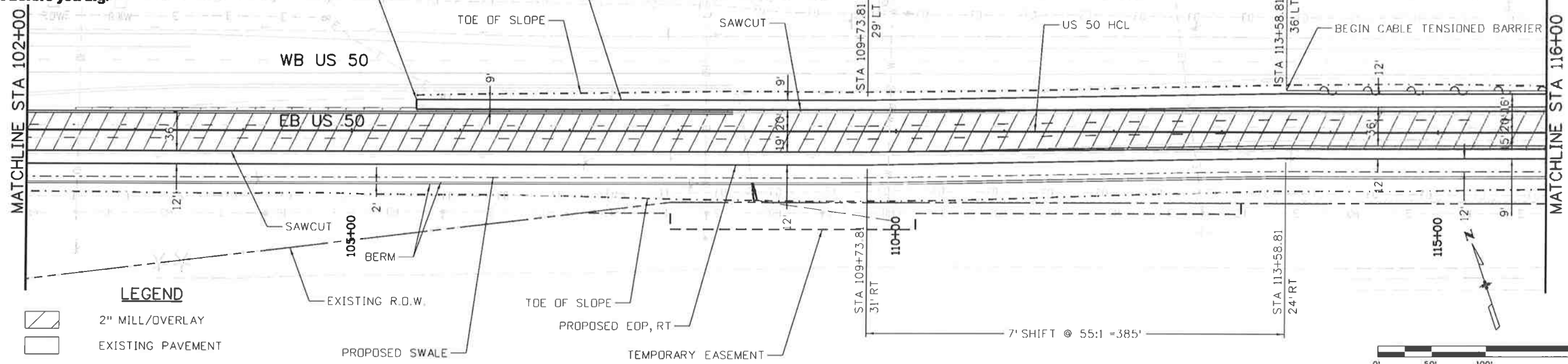
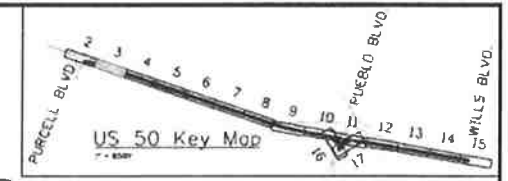


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 J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120			Void:	Subset: PP	Subset Sheets: PP2 of 17	Sheet Number 55

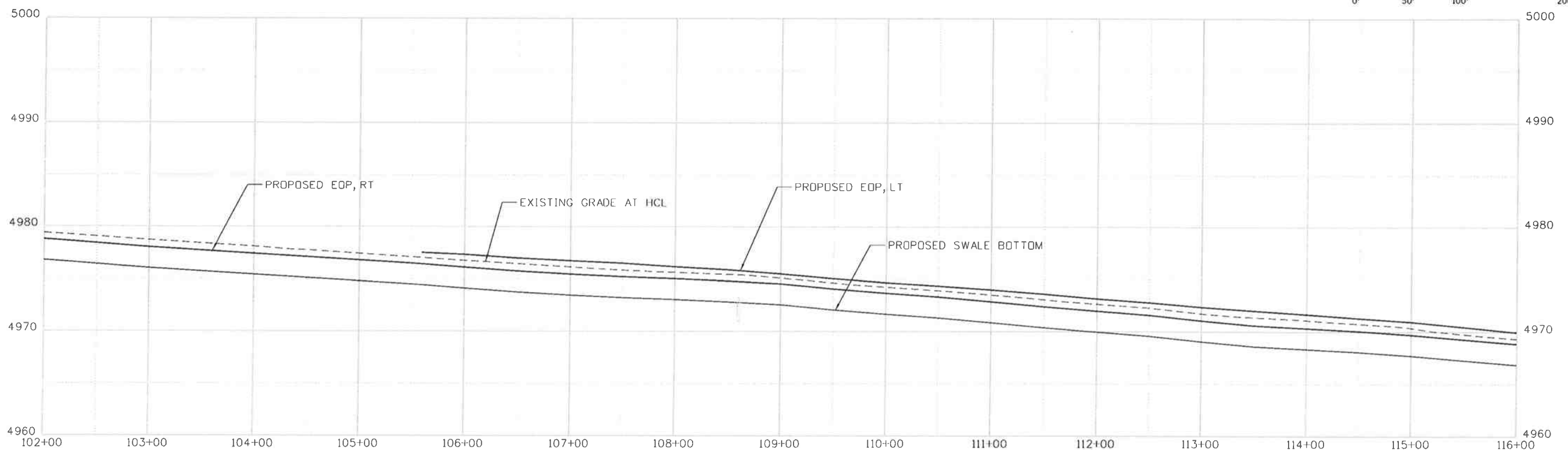
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LEGEND
2" MILL/OVERLAY
EXISTING PAVEMENT

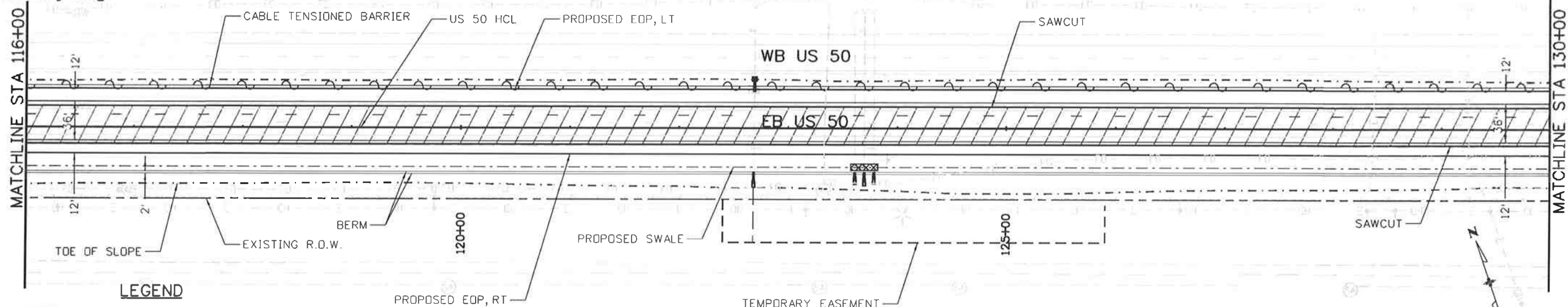
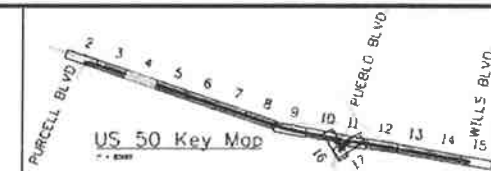


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J.F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120					DTD		Subset: PP	Subset Sheets: PP3 of 17	Sheet Number 56		

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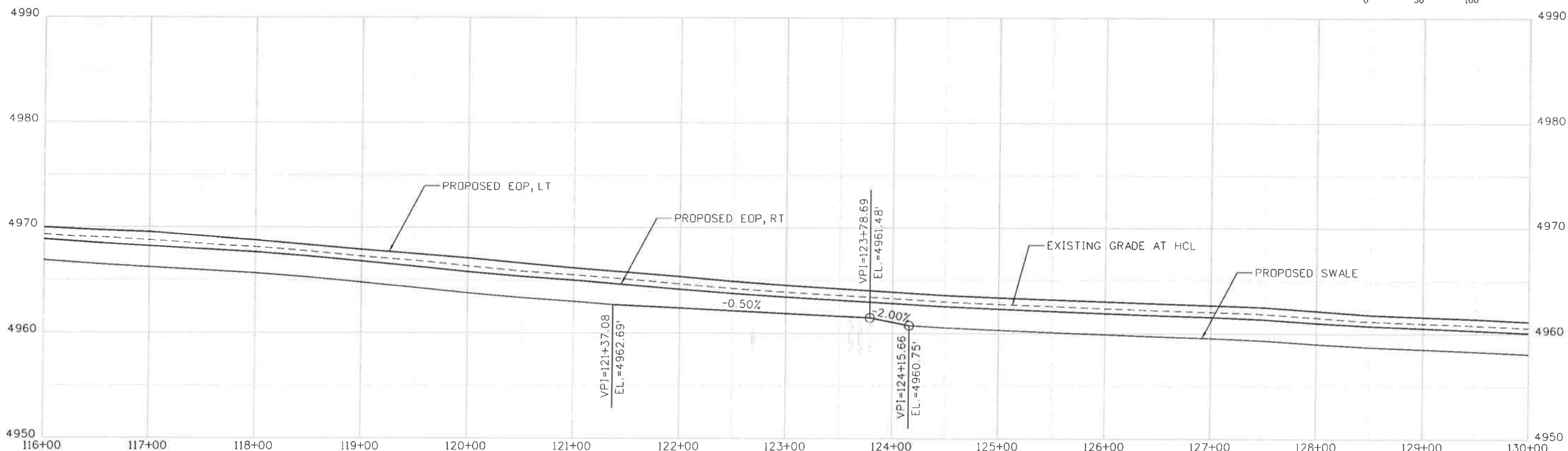


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LEGEND

- 2" MILL/OVERLAY
- EXISTING PAVEMENT

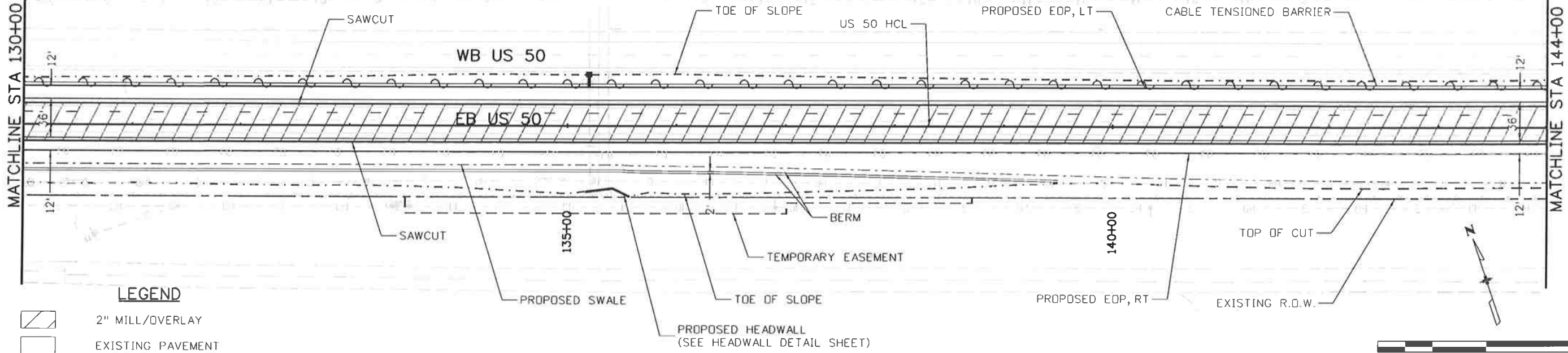
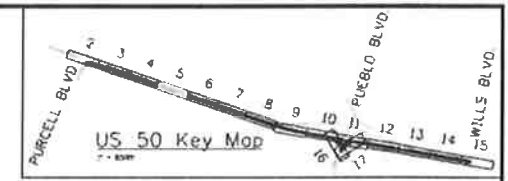


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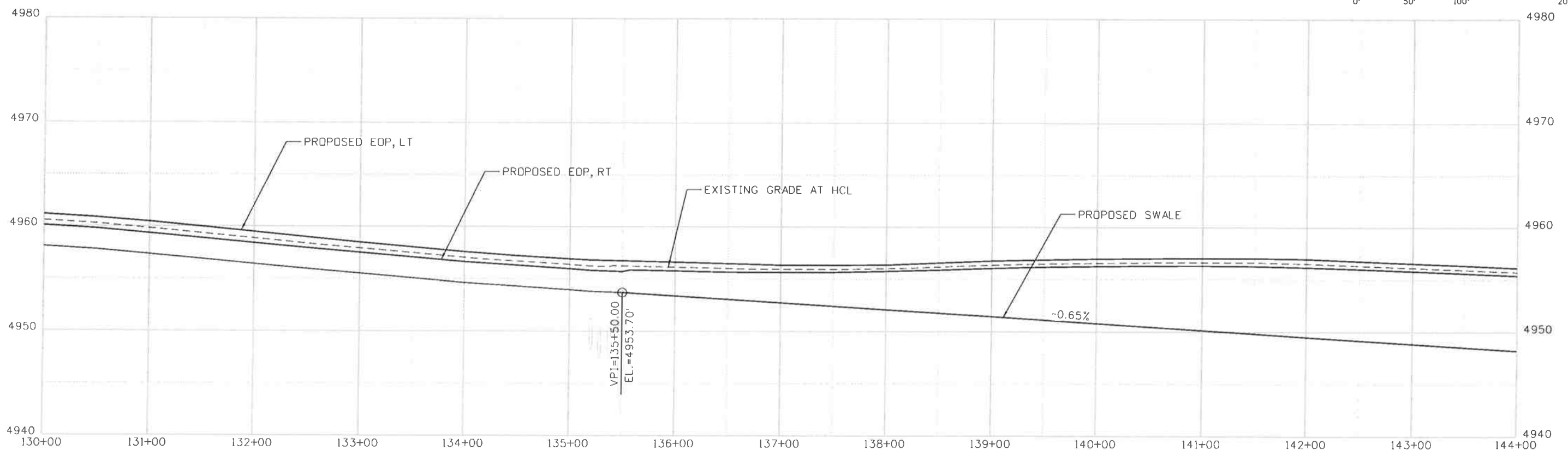
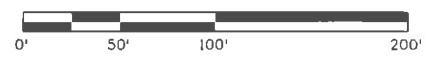
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LEGEND
 2" MILL/OVERLAY
 EXISTING PAVEMENT

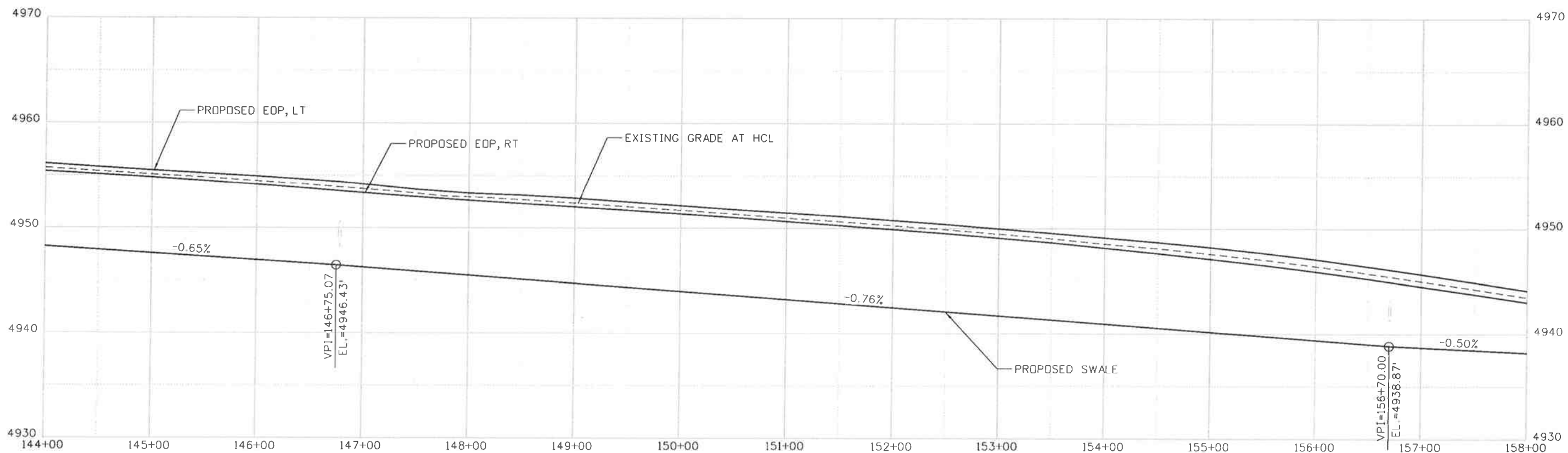
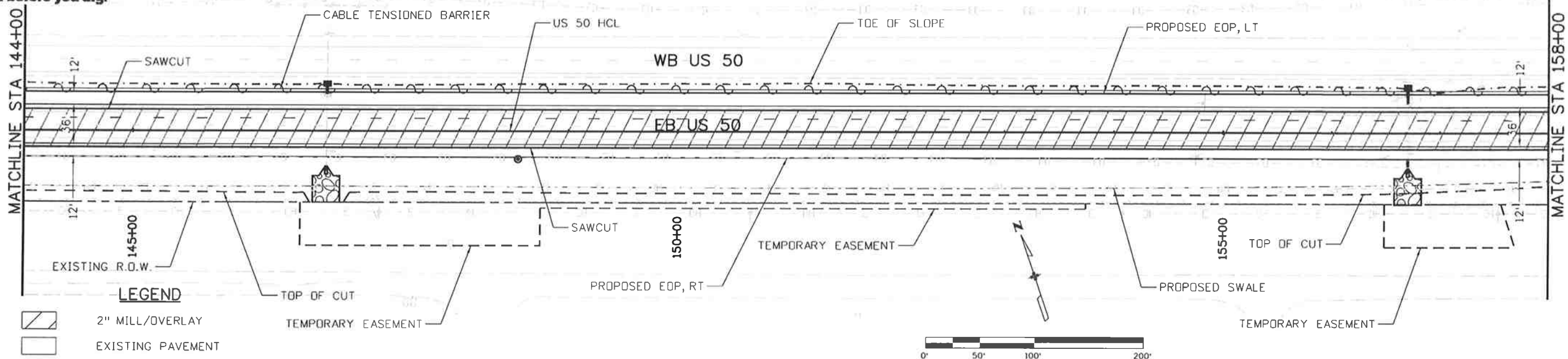
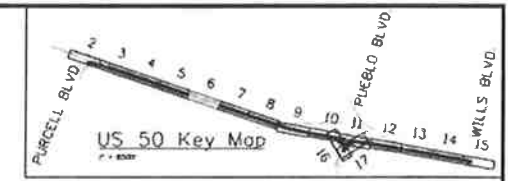


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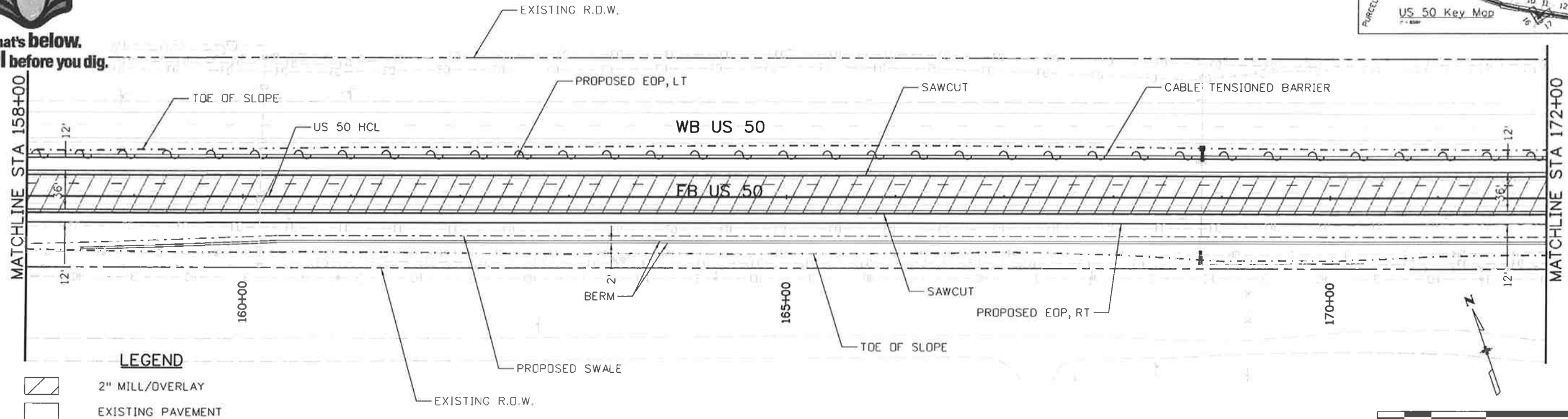
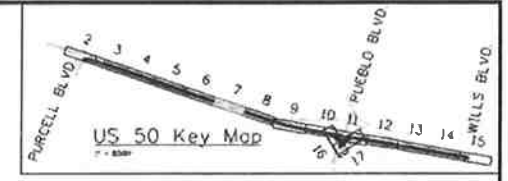


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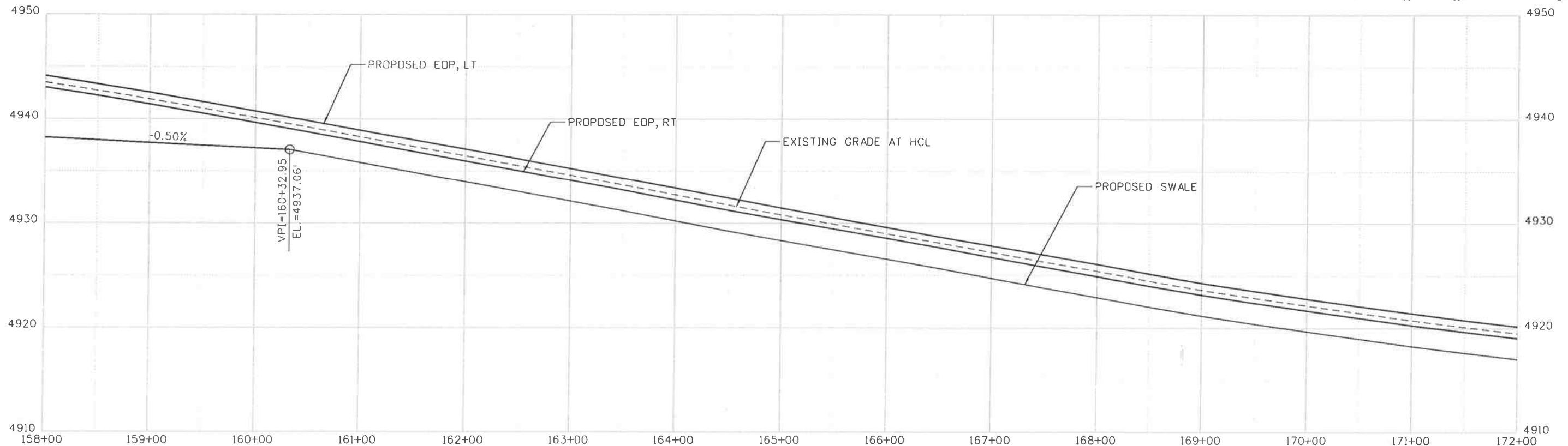


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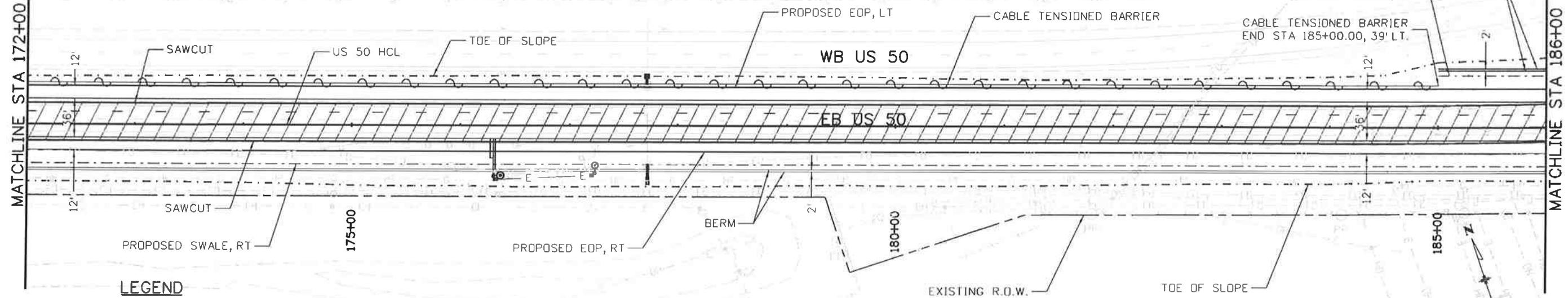
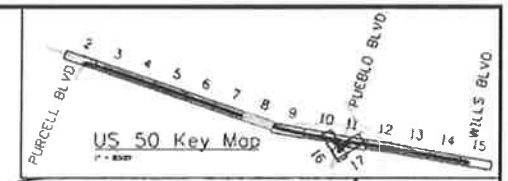
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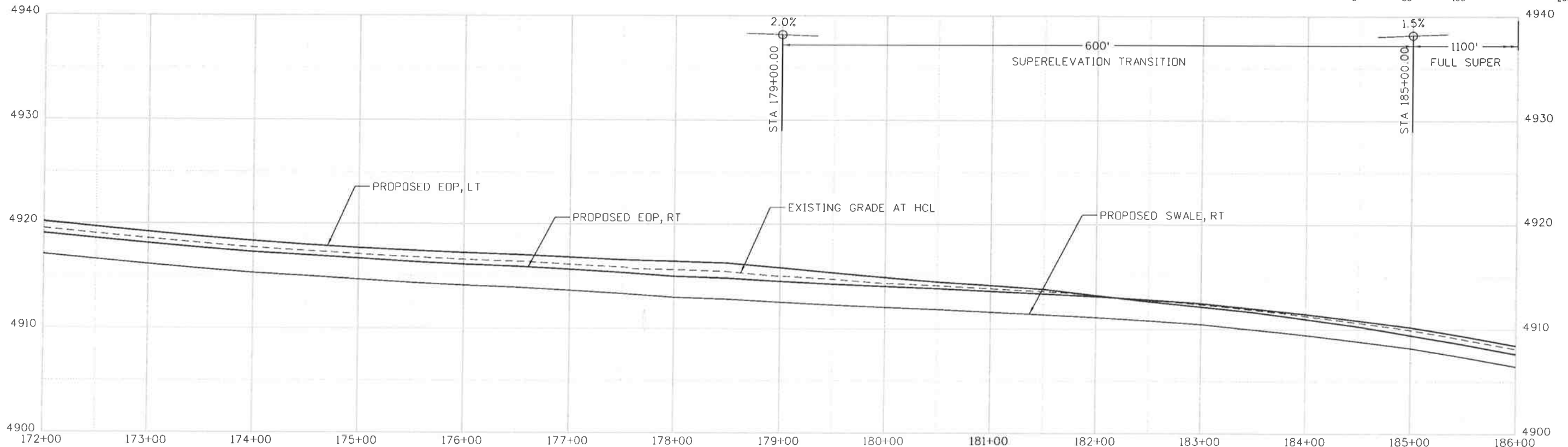


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- EXISTING PAVEMENT



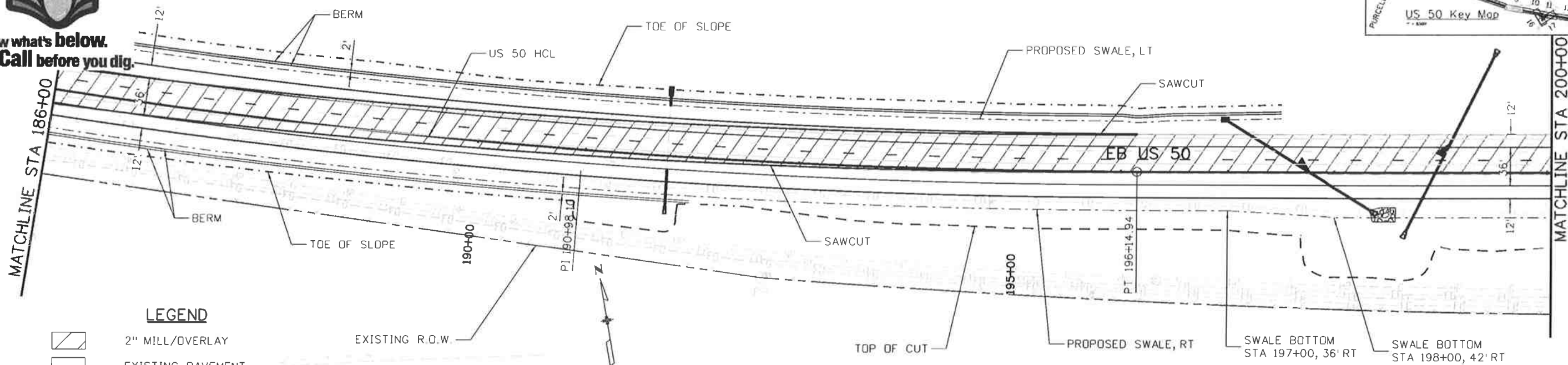
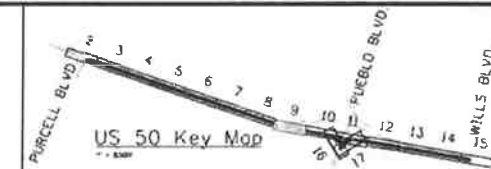
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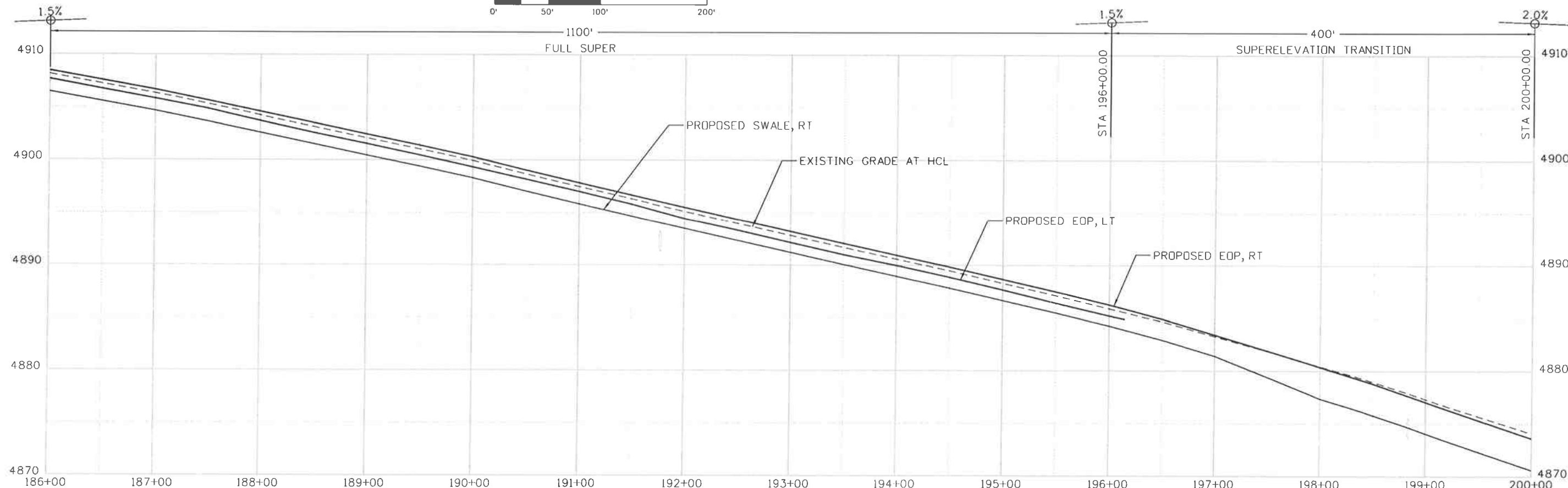
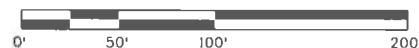
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WB US 50



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- 2" MILL/OVERLAY
- EXISTING PAVEMENT



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PURCELL BLVD. TO WILLS BLVD.
PLAN AND PROFILE**

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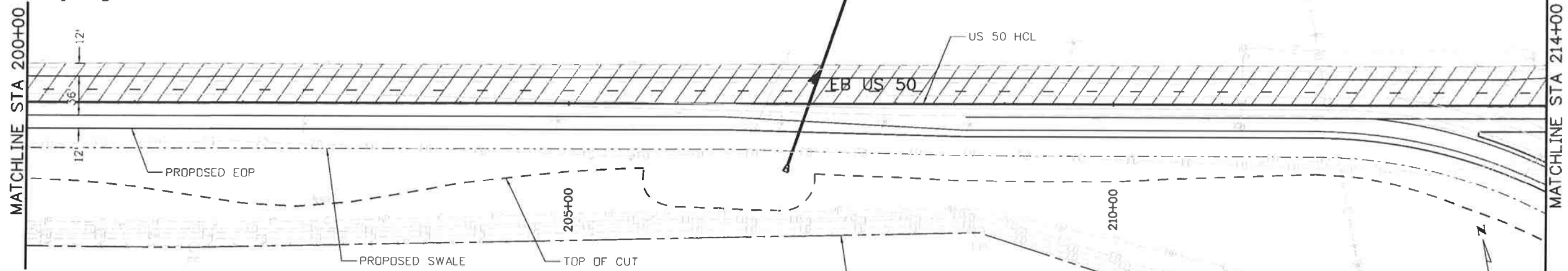
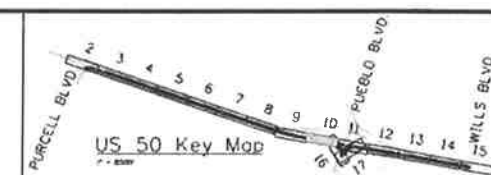
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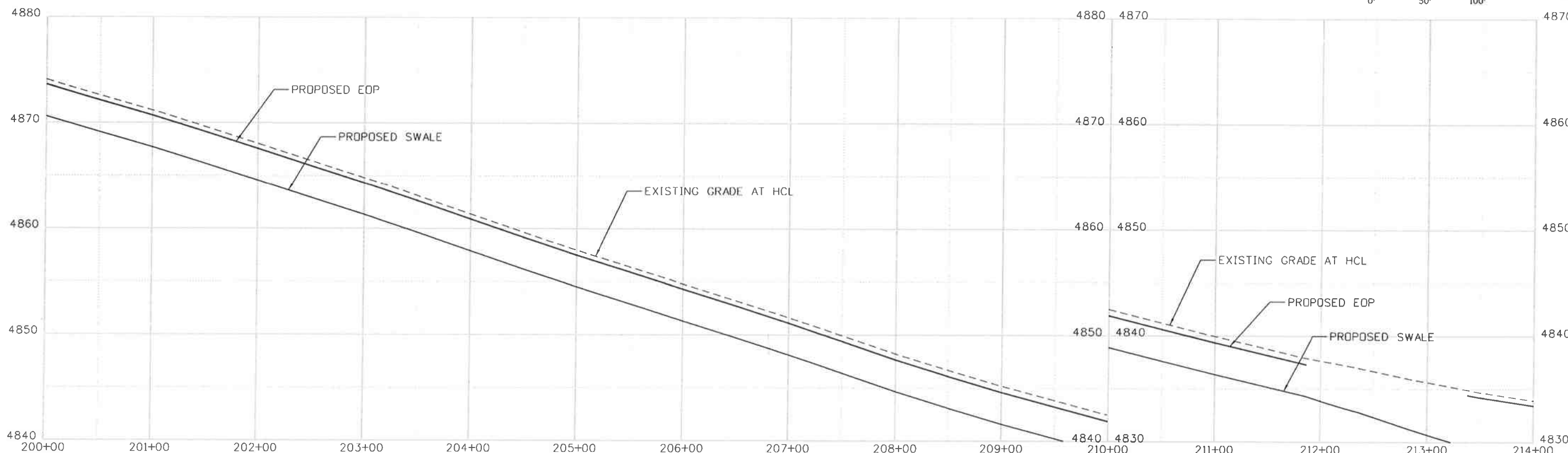


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-  2" MILL/OVERLAY
-  EXISTING PAVEMENT



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**US 50 WEST
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PLAN AND PROFILE**

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Subset:	PP	Subset Sheets:	PP10 of 17

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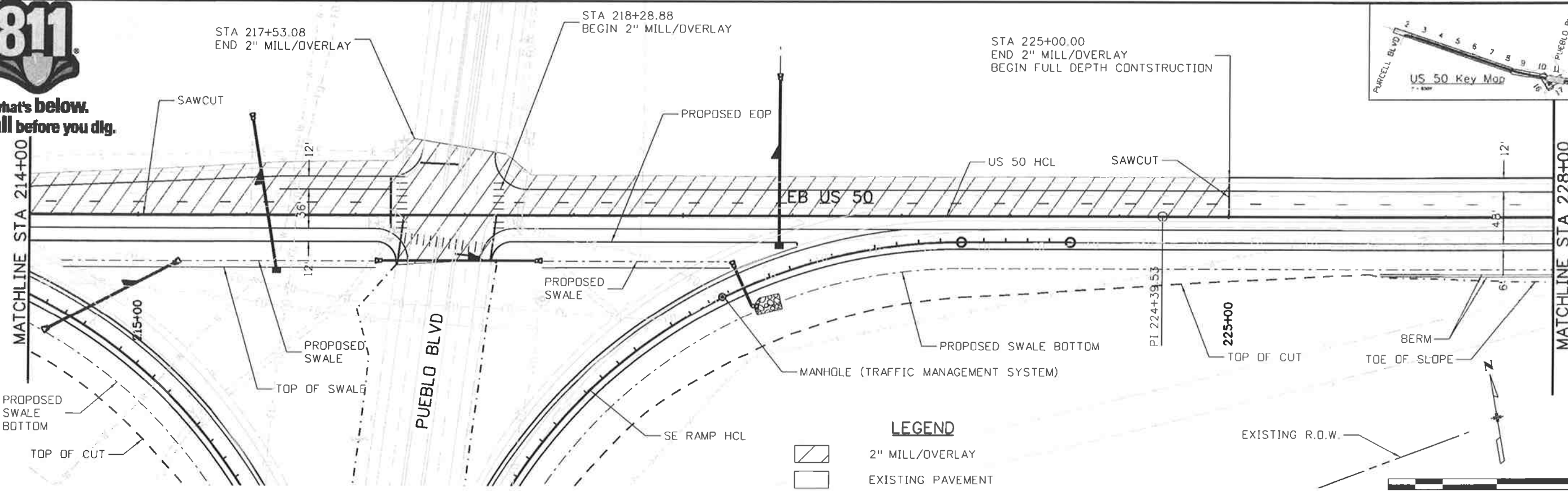
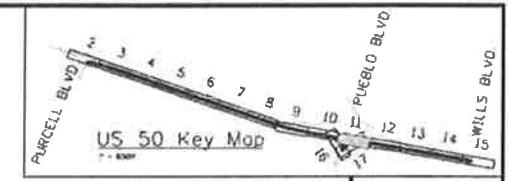
J. F. SATO AND ASSOCIATES
5898 South Rapp Street
Littleton, Colorado 80120



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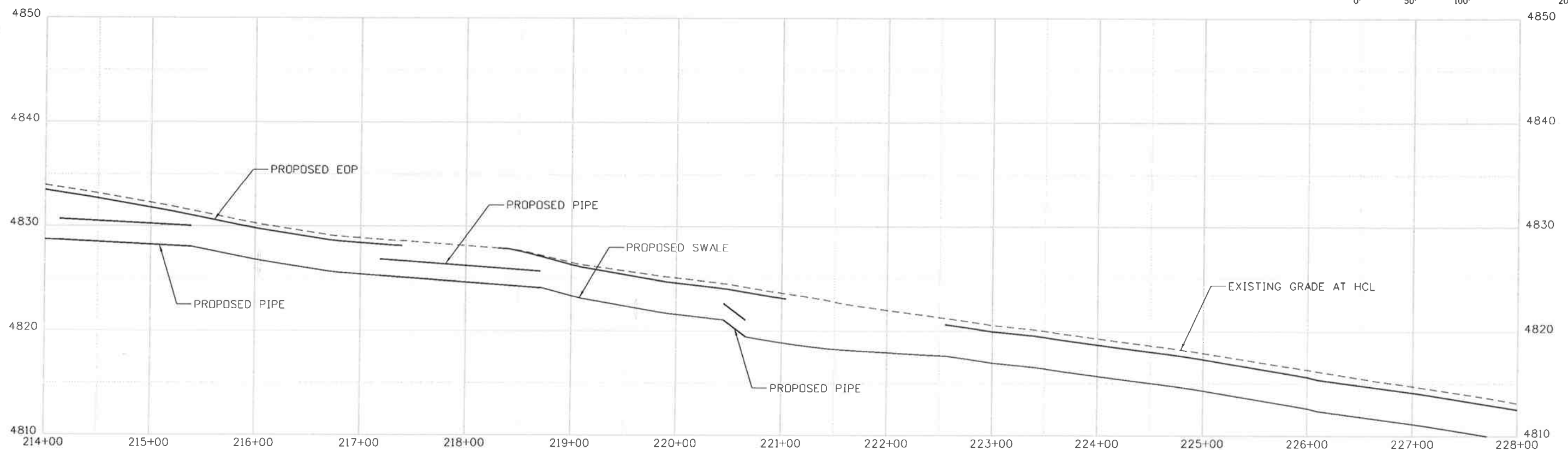
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2" MILL/OVERLAY

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**US 50 WEST
PURCELL BLVD. TO WILLS BLVD.
PLAN AND PROFILE**

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Project No./Code

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Sheet Number 64

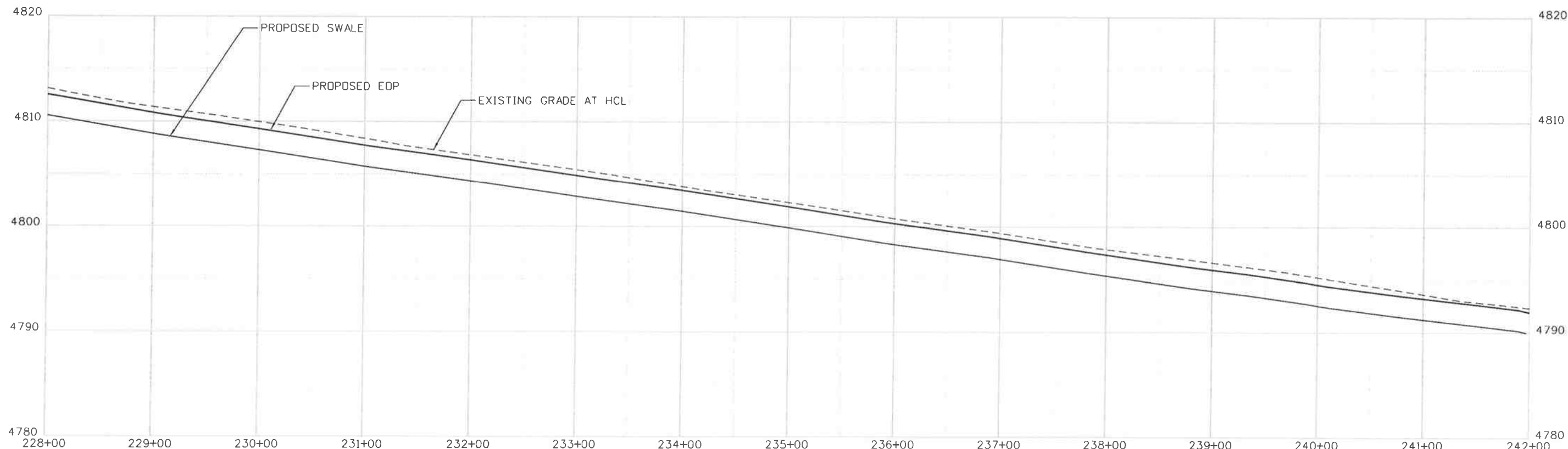
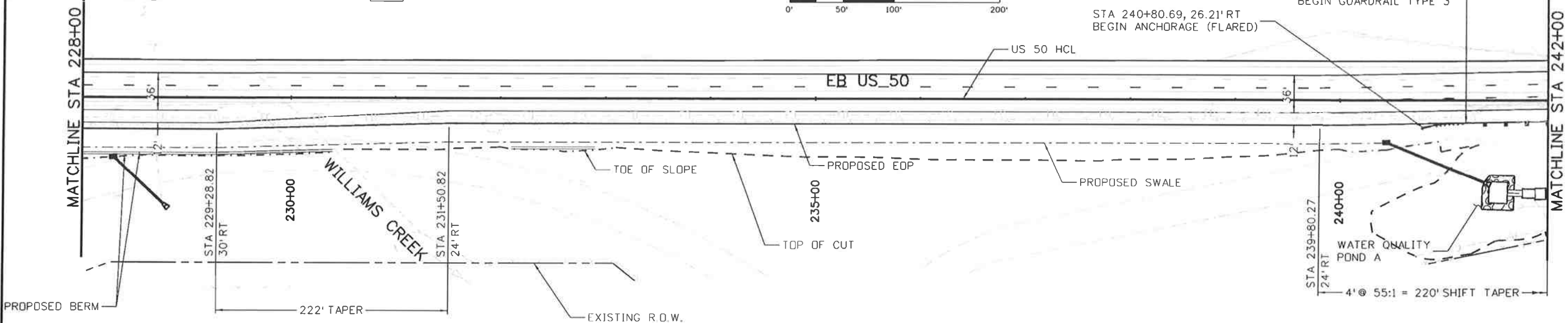
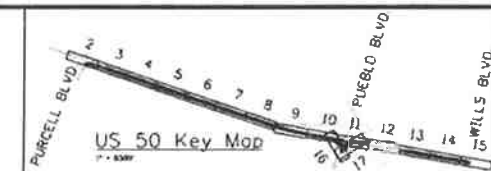
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- 2" MILL/OVERLAY
- EXISTING PAVEMENT



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 Sheet Number 65

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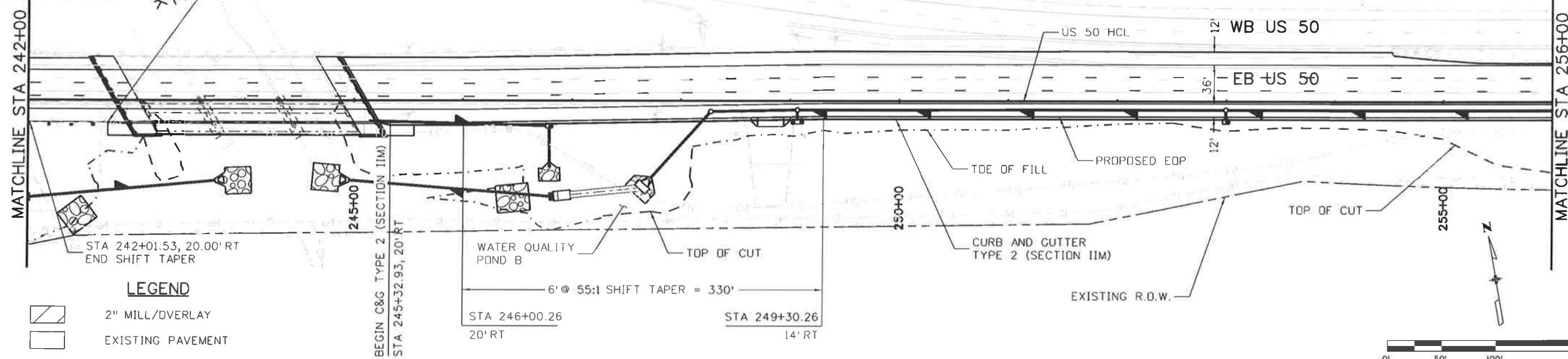
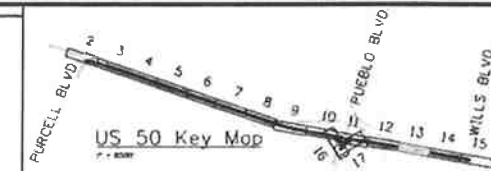


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WILD HORSE
DRY CREEK

STA 242+73.19, 20' RT
END GUARDRAIL TYPE 3
TRANSITION TYPE 3G

EXISTING R.O.W.



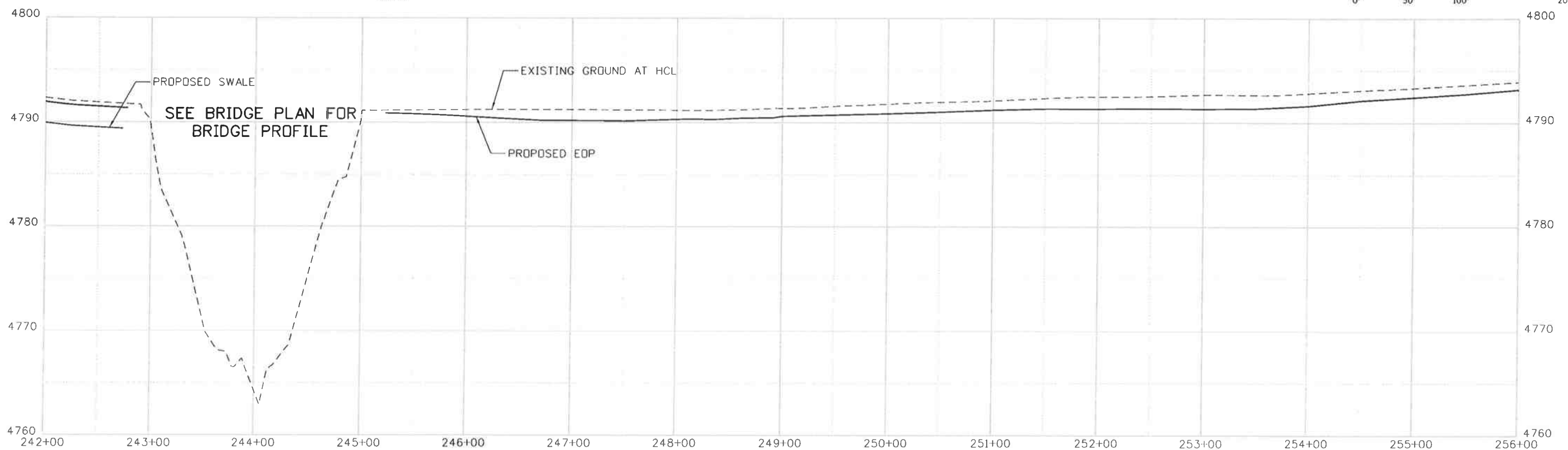
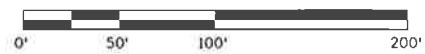
- LEGEND**
- 2" MILL/OVERLAY
 - EXISTING PAVEMENT

WATER QUALITY POND B

6' @ 55:1 SHIFT TAPER = 330'

STA 246+00.26
20' RT

STA 249+30.26
14' RT



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**US 50 WEST
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 PLAN AND PROFILE**

Designer: ACE
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Structure Numbers
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Project No./Code

FSA 0503-081

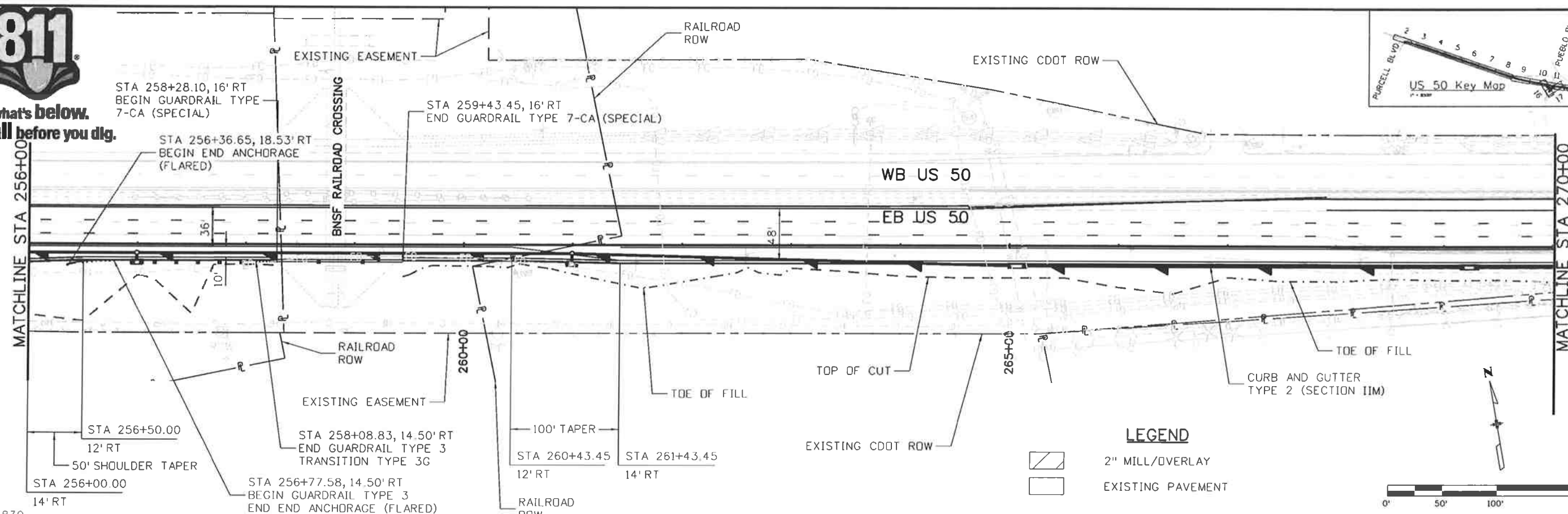
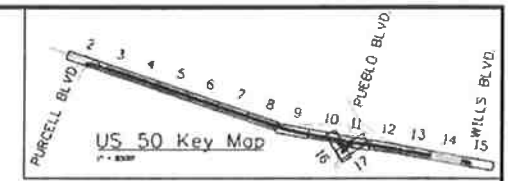
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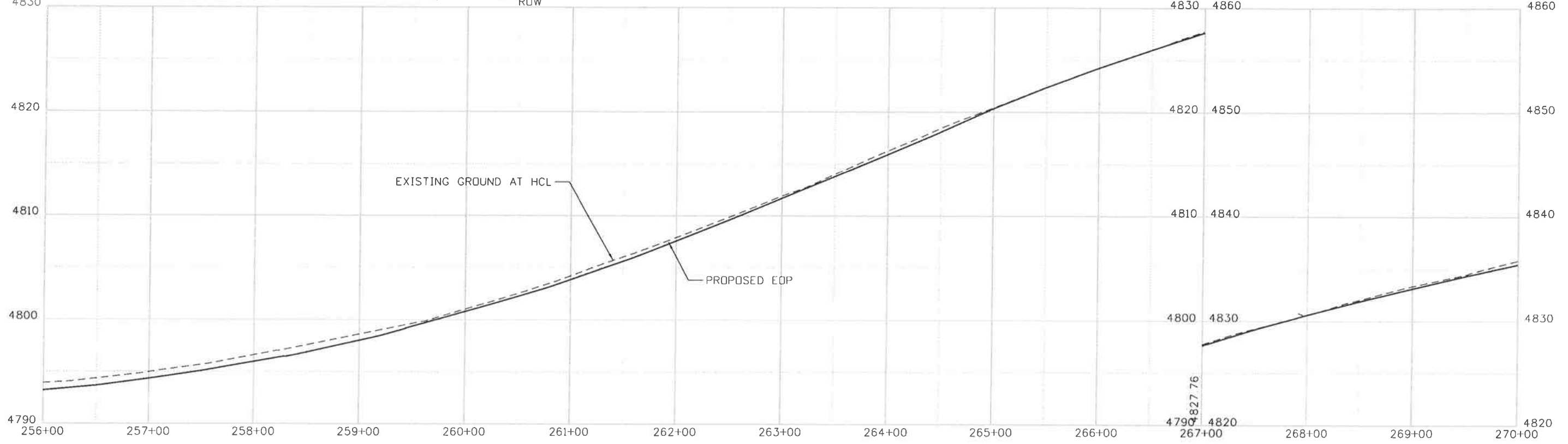


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- 2" MILL/OVERLAY
- EXISTING PAVEMENT

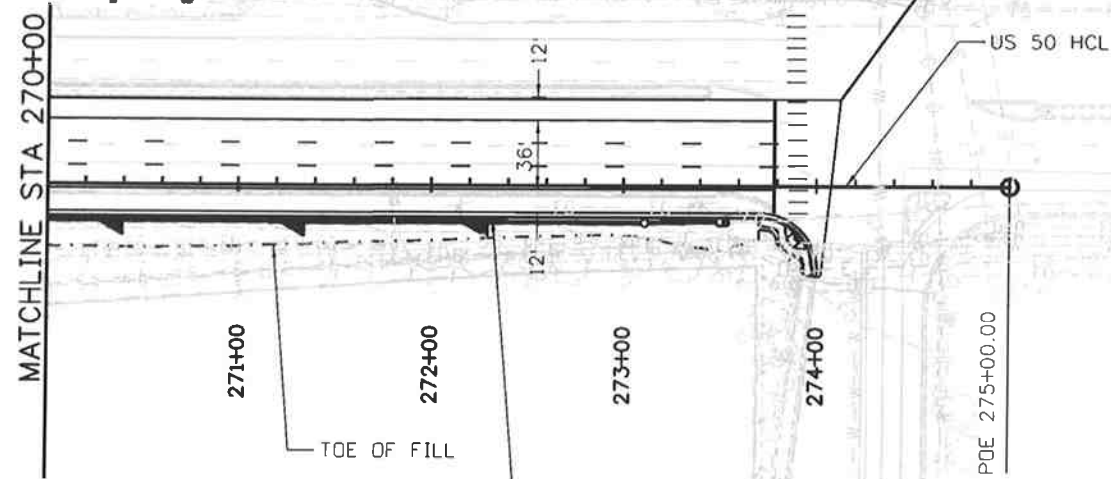
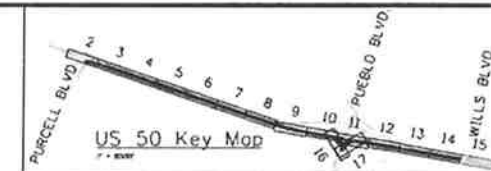


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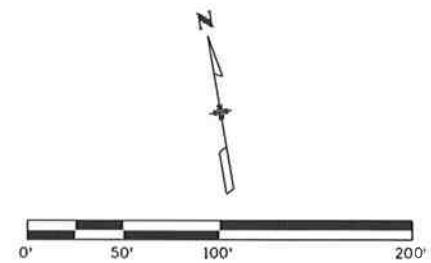
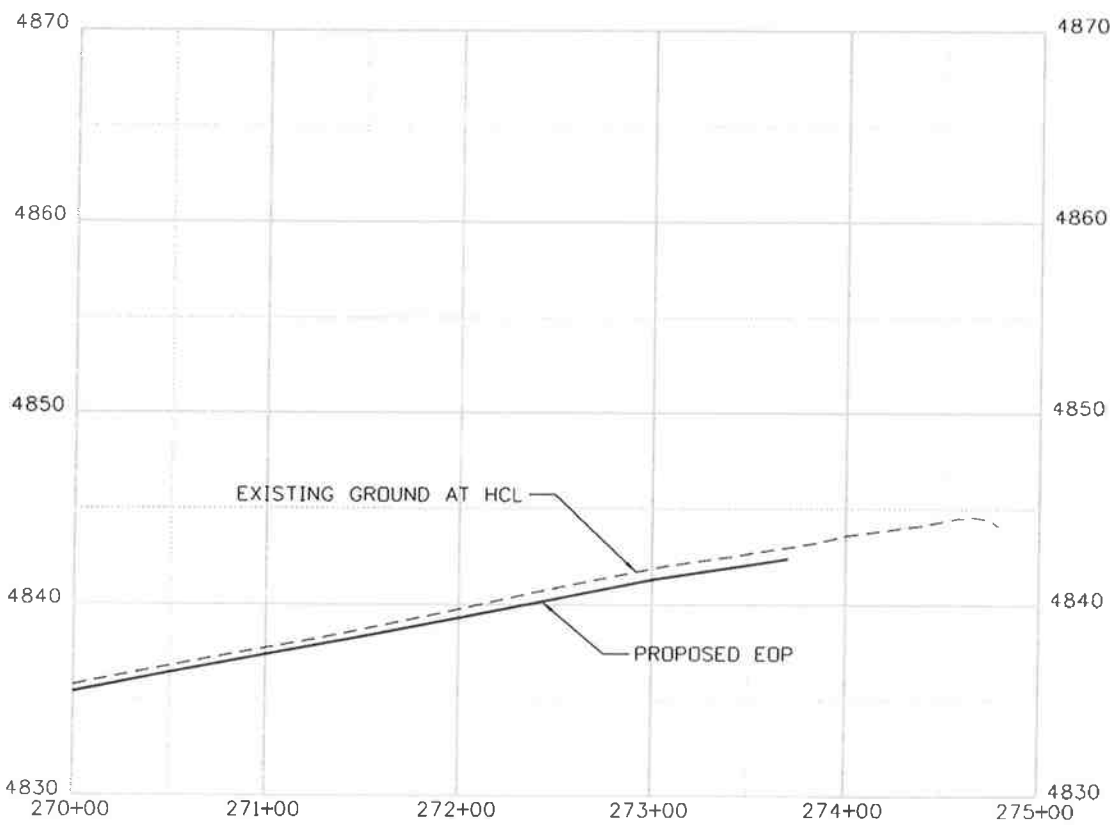
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TYPE 2 (SECTION IIM)





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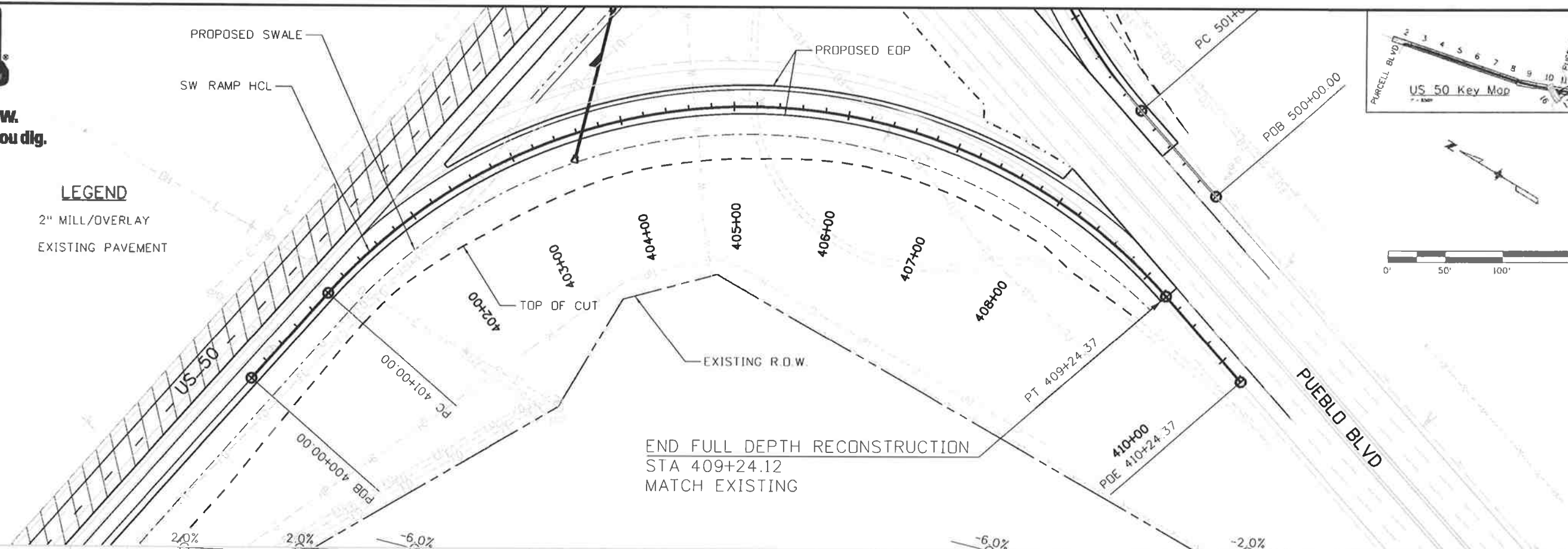
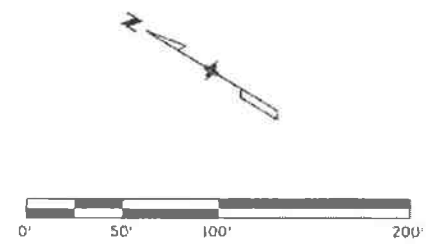
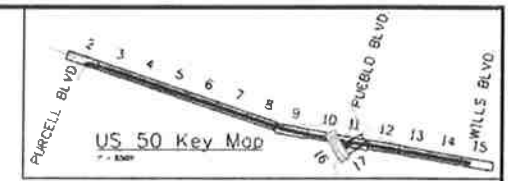
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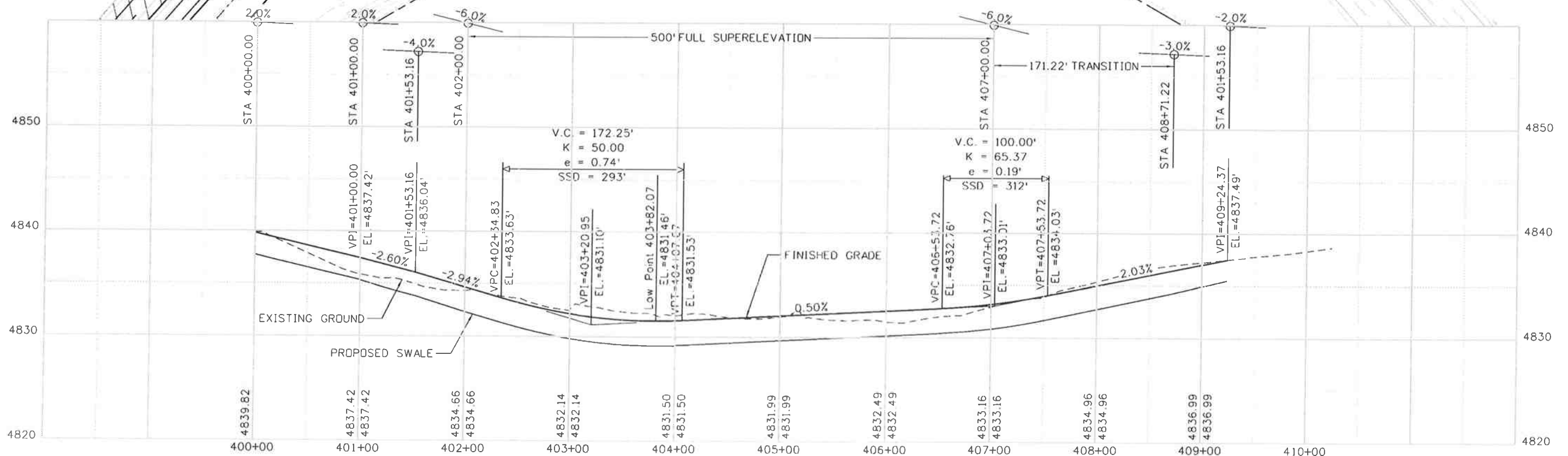
Know what's below.
Call before you dig.

LEGEND

-  2" MILL/OVERLAY
-  EXISTING PAVEMENT



END FULL DEPTH RECONSTRUCTION
STA 409+24.12
MATCH EXISTING

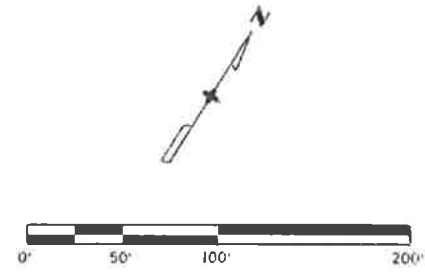
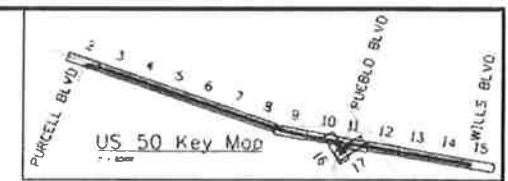


Print Date: 10/9/2014	Sheet Revisions			Colorado Department of Transportation  902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2	As Constructed No Revisions: Revised: Void:	US 50 WEST SOUTH WEST RAMP PLAN AND PROFILE		Project No./Code
File Name: I9056DES_PnPI6.dgn	Date:	Comments:	Init:					FSA 0503-081
Horiz. Scale: 1:100 Vert. Scale: As Noted				DTD		Designer: ACE Detailer: ACE Subset: PP	Structure Numbers Subset Sheets: PP16 of 17	19751
 J. F. SATO AND ASSOCIATES 5898 South Ropp Street Littleton, Colorado 80120								Sheet Number

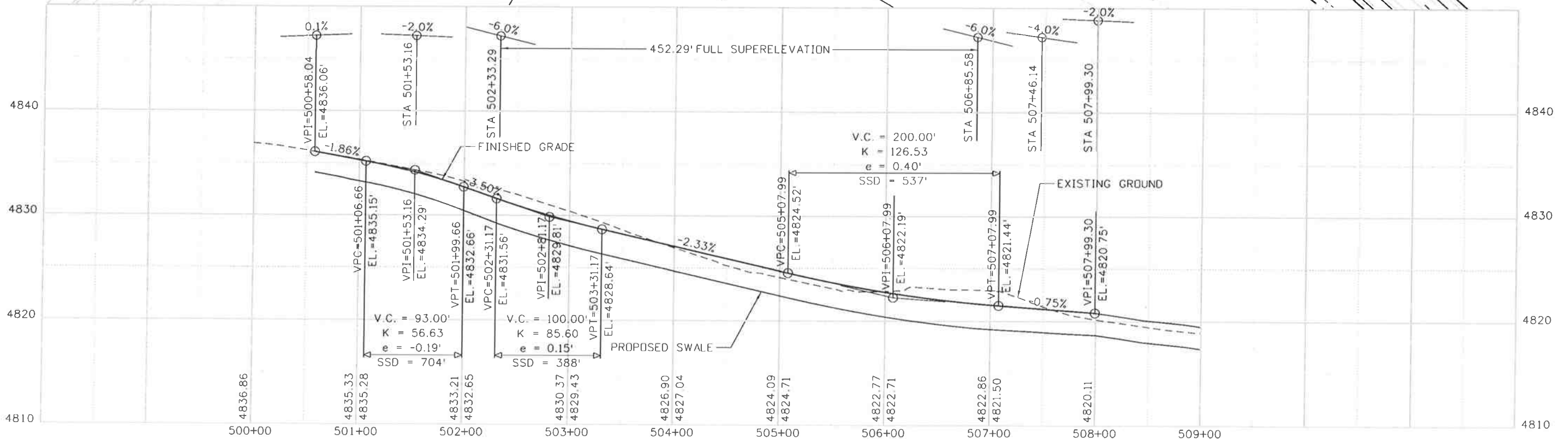
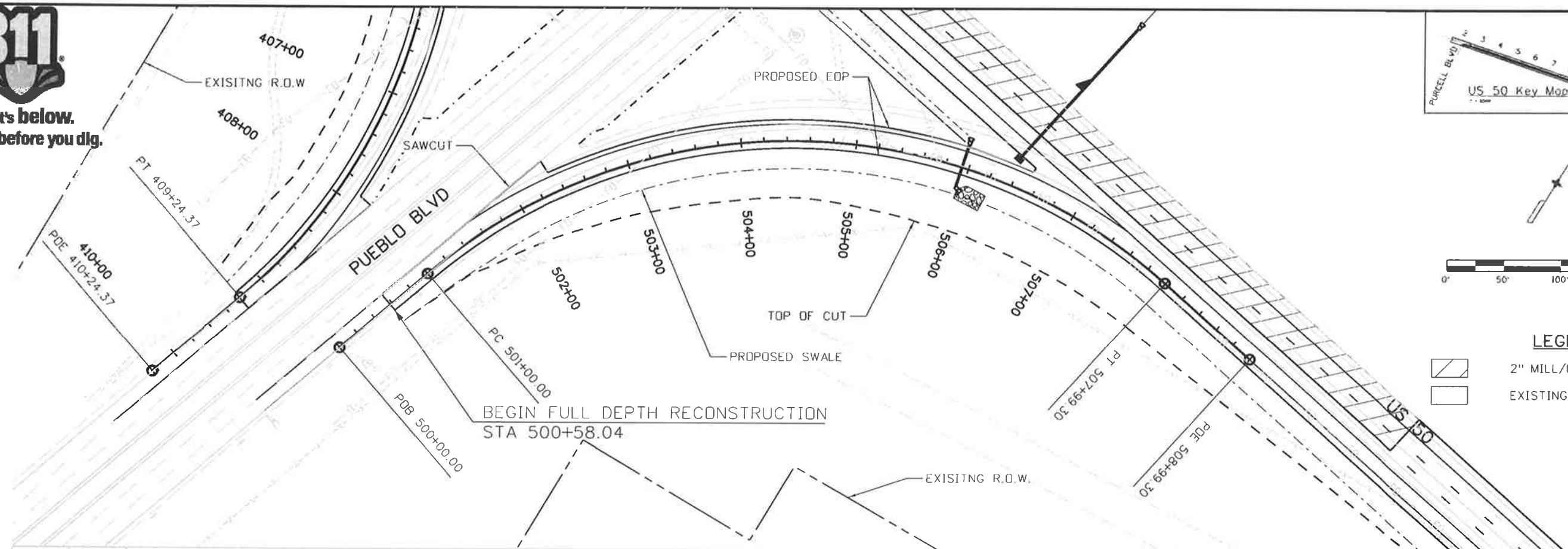
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LEGEND
2" MILL/OVERLAY
EXISTING PAVEMENT



Print Date: 10/9/2014
File Name: 19056DES_PnPI7.dgn
Horiz. Scale: 1:100 Vert. Scale: As Noted
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Littleton, Colorado 80120

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Region 2 DTD

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No Revisions:
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Void:

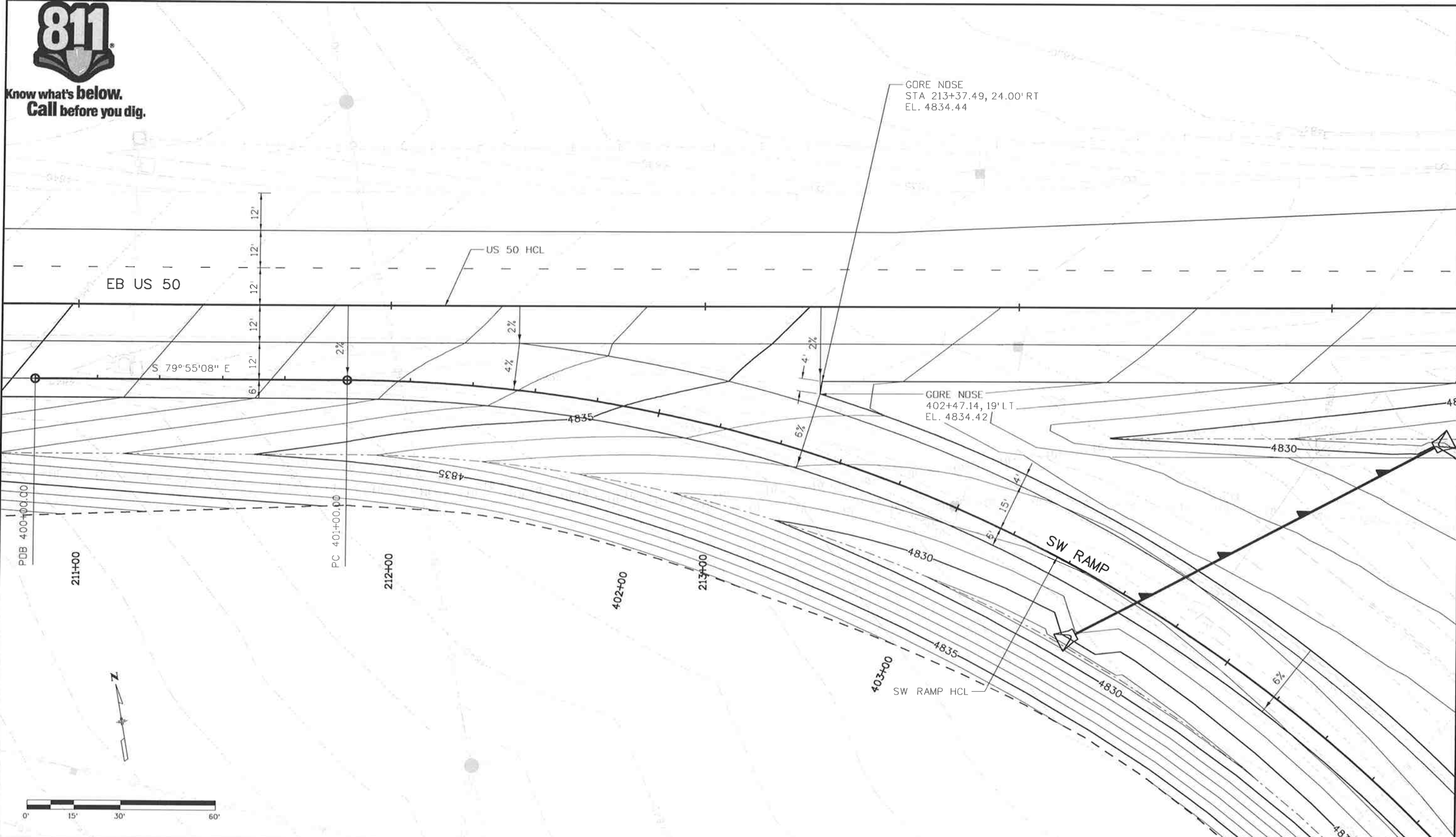
US 50 WEST SOUTH EAST RAMP PLAN AND PROFILE
Designer: ACE
Detailer: ACE
Subset: PP
Structure Numbers
Subset Sheets: PP17 of 17

Project No./Code
FSA 0503-081
19751
Sheet Number 70

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Know what's below.
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GORE NOSE
STA 213+37.49, 24.00' RT
EL. 4834.44

GORE NOSE
402+47.14, 19' LT
EL. 4834.42

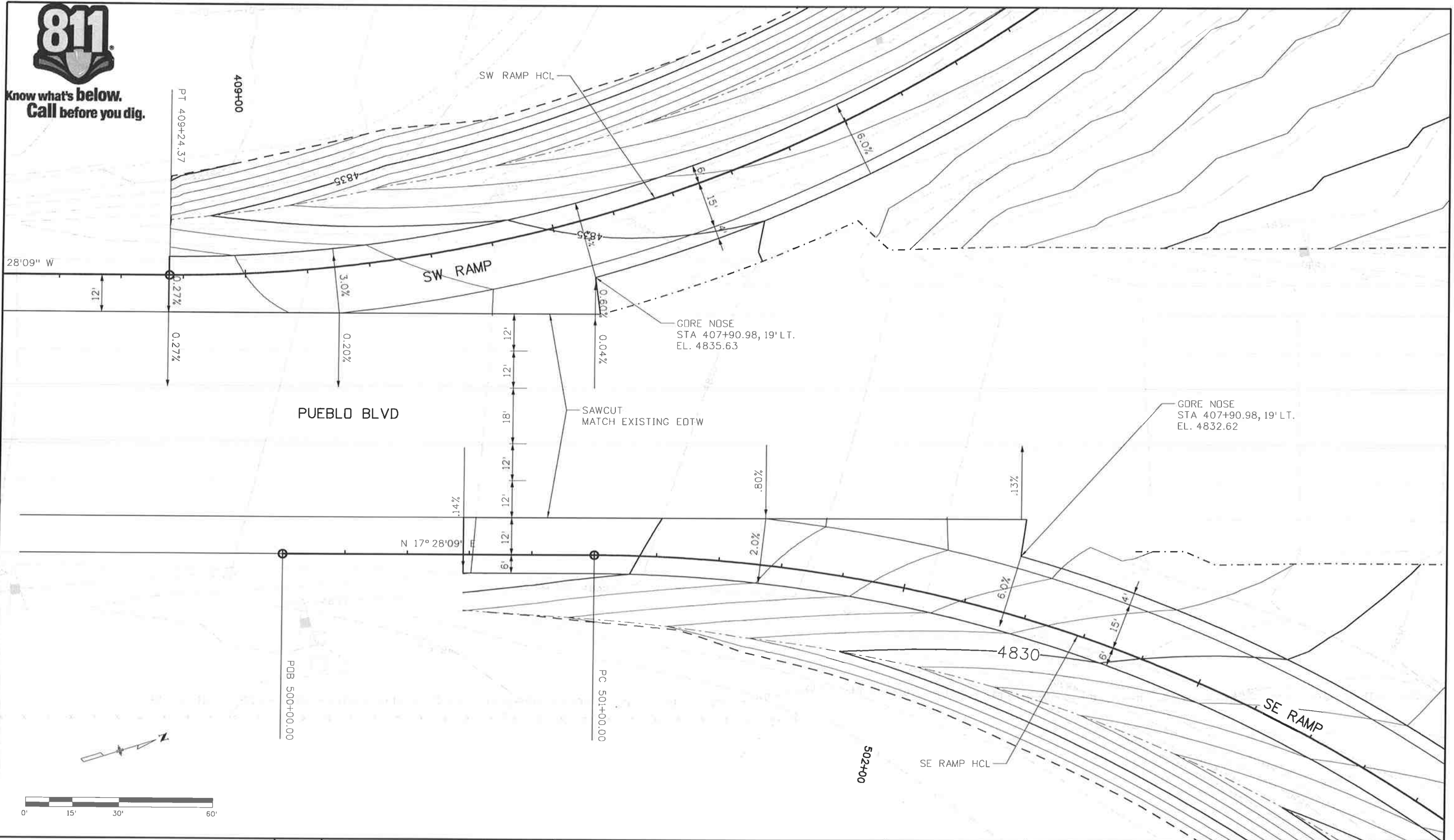


Print Date: 10/9/2014		Sheet Revisions		Colorado Department of Transportation		As Constructed		US 50 WEST PURCELL BLVD. TO WILLS BLVD. US 50 TO PUEBLO BLVD GORE		Project No./Code	
File Name: 19056GORE-DET-01.dgn		Date:	Comments	Init.	902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702		No Revisions:		FSA 0503-081		
Horiz. Scale: 1:30 Vert. Scale: As Noted					Region 2 DTD		Revised:		19751		
 J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120		 CDOT		 CO		902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702		Designer: ACE Structure Detailer: ACE Numbers		Sheet Number 71	
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Print Date: 10/9/2014
 File Name: 19056GORE-DET-02.dgn
 Horiz. Scale: 1:30 Vert. Scale: As Noted

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Sheet Revisions

Date:	Comments	Init.

Colorado Department of Transportation



Region 2

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Void:

US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 PUEBLO BLVD GORE

Designer:	ACE	Structure	
Detailer:	ACE	Numbers	
Subset:	INT	Subset Sheets:	INT 2 of 7

Project No./Code

FSA 0503-081

19751

Sheet Number 72

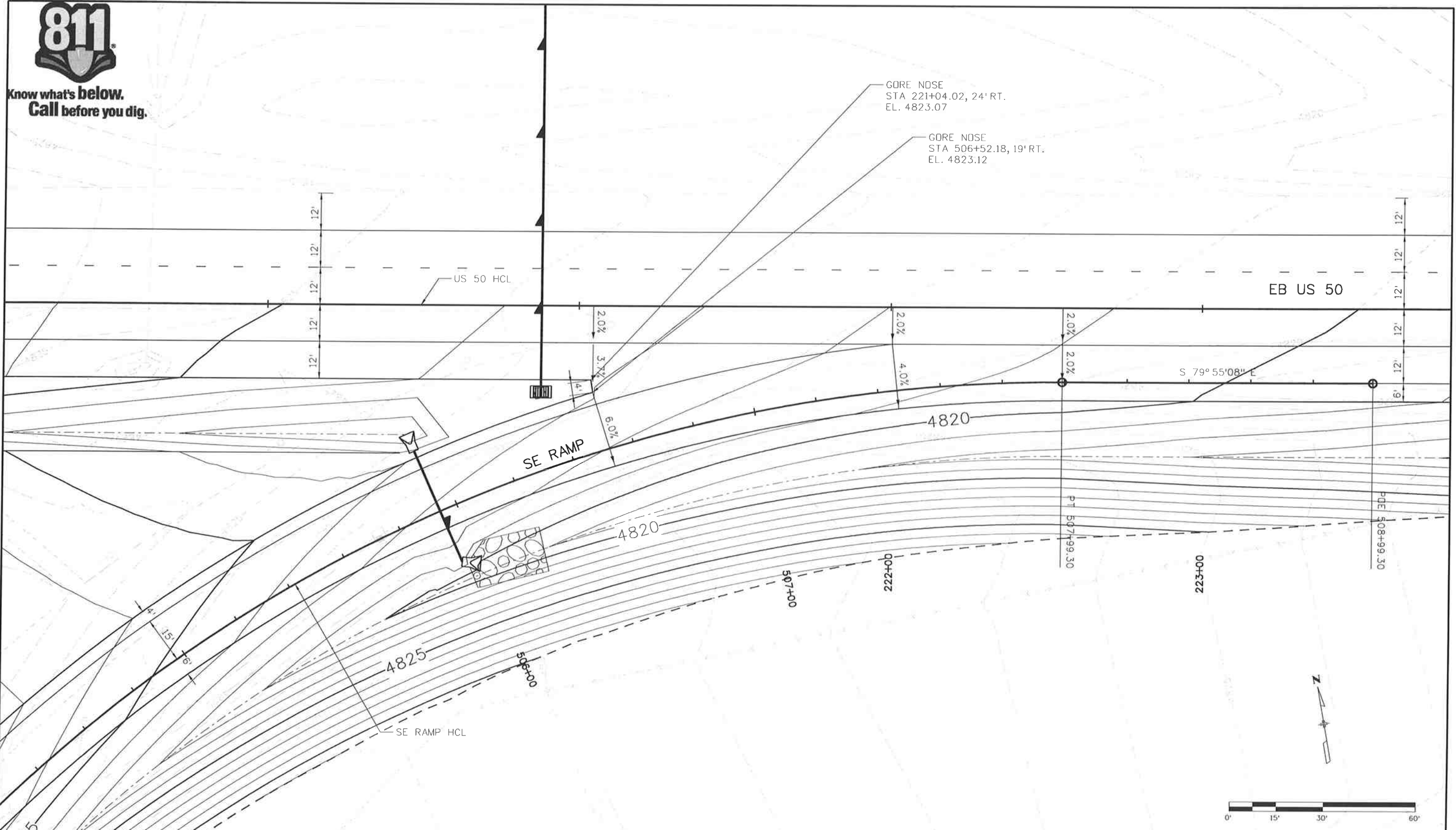


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US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 PUEBLO BLVD TO US 50 GORE

Designer: ACE
 Detailer: ACE
 Subset: INT

Structure Numbers
 Subset Sheets: INT 3 of 7

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 73

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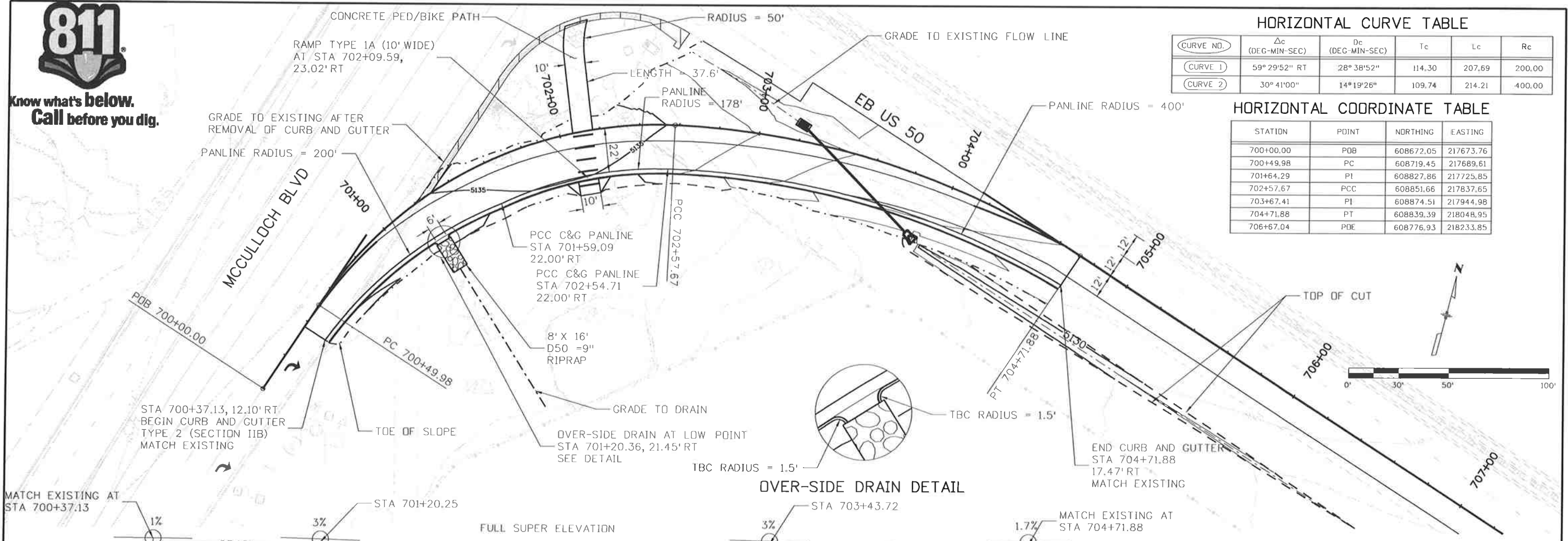
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HORIZONTAL CURVE TABLE

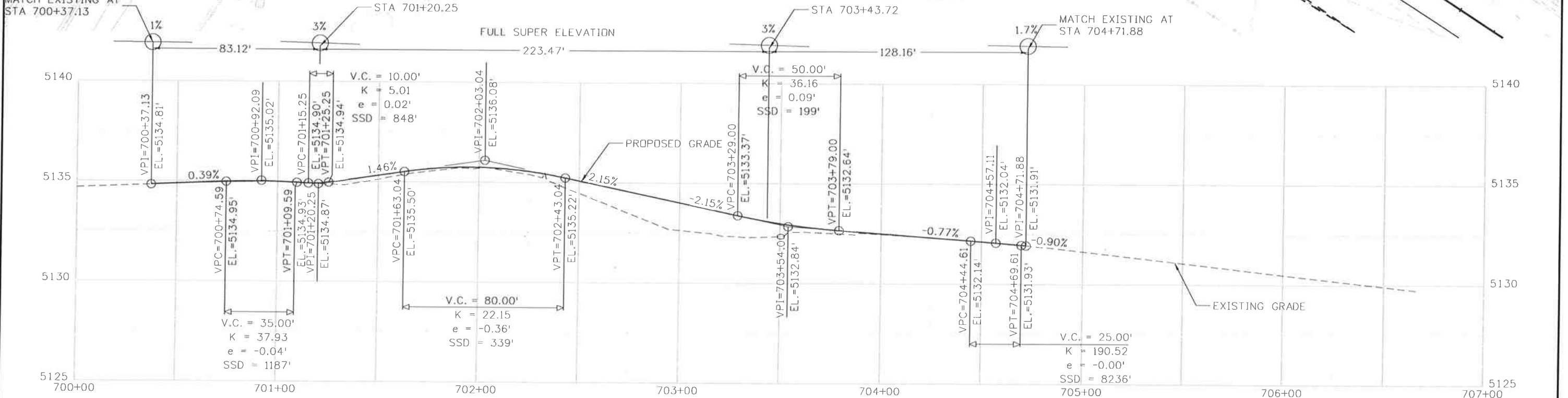
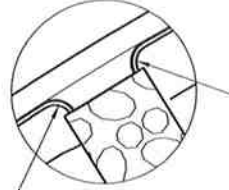
CURVE NO.	Δc (DEG-MIN-SEC)	D_c (DEG-MIN-SEC)	T_c	L_c	R_c
CURVE 1	59° 29' 52" RT	28° 38' 52"	114.30	207.69	200.00
CURVE 2	30° 41' 00"	14° 19' 26"	109.74	214.21	400.00

HORIZONTAL COORDINATE TABLE

STATION	POINT	NORTHING	EASTING
700+00.00	PDB	608672.05	217673.76
700+49.98	PC	608719.45	217689.61
701+64.29	PI	608827.86	217725.85
702+57.67	PCC	608851.66	217837.65
703+67.41	PI	608874.51	217944.98
704+71.88	PT	608839.39	218048.95
706+67.04	PDE	608776.93	218233.85



OVER-SIDE DRAIN DETAIL



Print Date: 10/9/2014
File Name: I9056INT-DET-01.dgn
Horiz. Scale: 1:50 Vert. Scale: As Noted
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Date:	Comments	Init.

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Void:

US 50 WEST INTERSECTION DETAIL
MCCULLOCH BLVD AND US 50
Designer: ACE Structure
Detailer: ACE Numbers
Subset: INT Subset Sheets: INT 4 of 7

Project No./Code
FSA 0503-081
19751
Sheet Number 74

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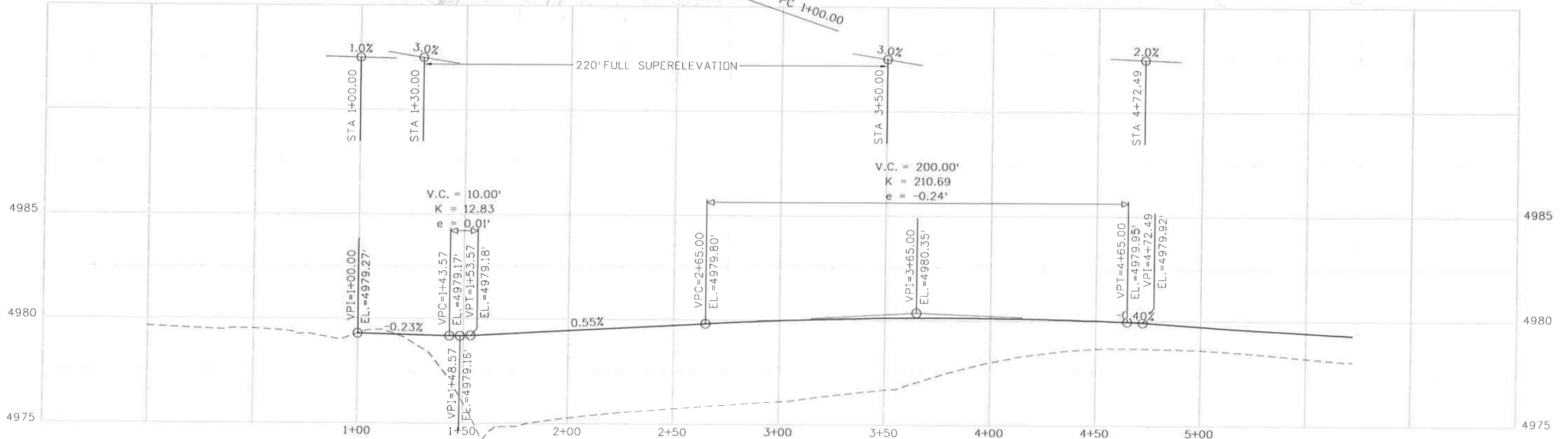
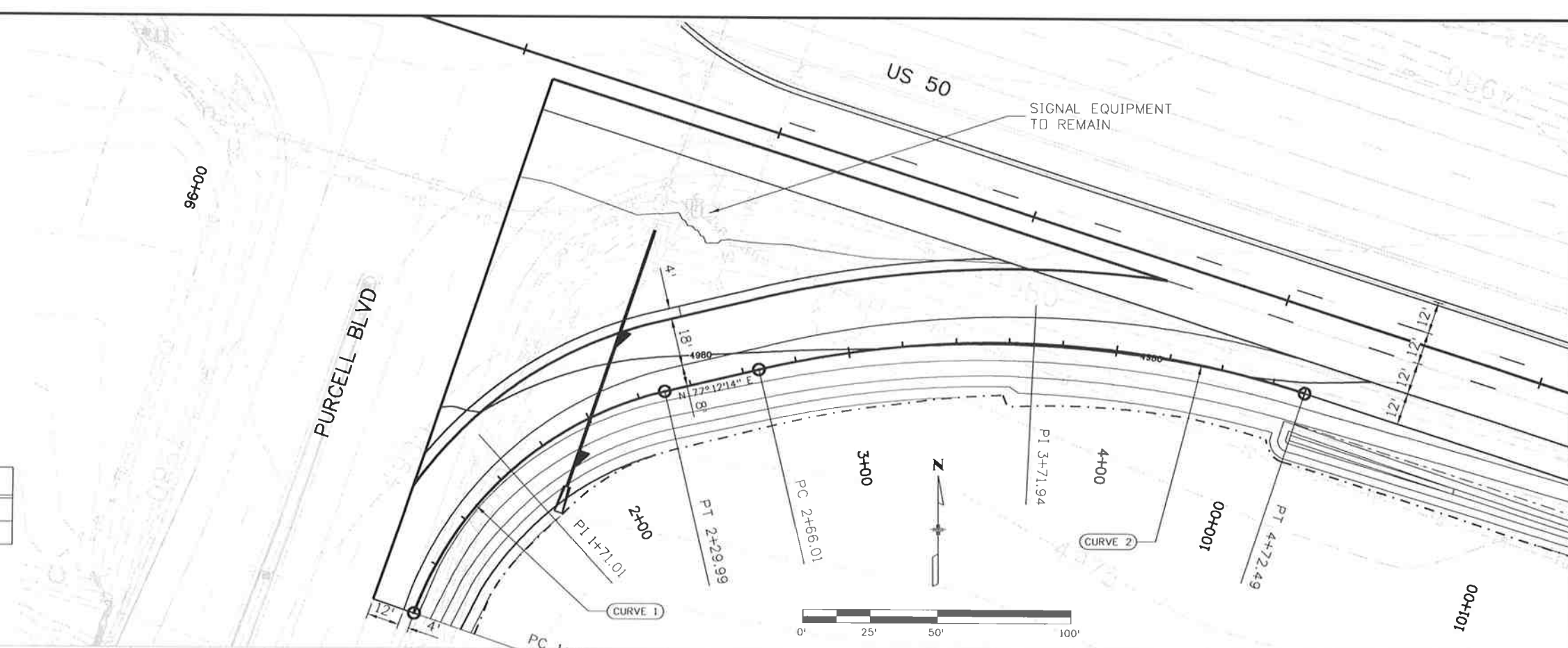
Know what's below.
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HORIZONTAL COORDINATE TABLES

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	1+71.01	PI	604670.56	229922.73
	2+29.99	PT	604686.29	229991.98
CURVE 2	2+66.01	PC	604694.27	230027.11
	3+71.94	PI	604717.73	230130.41
	4+72.49	PT	604683.68	230230.71

HORIZONTAL CURVE TABLES

CURVE NO.	Δc (DEG-MIN-SEC)	D_c (DEG-MIN-SEC)	T_c	L_c	R_c
CURVE 1	57°17'23" RT	44°04'25"	71.01	129.99	130.00
CURVE 2	31°32'51" RT	15°16'44"	105.93	206.48	375.00



Print Date: 10/9/2014
 File Name: 19056INT-DET-02.dgn
 Horiz. Scale: 1:50 Vert. Scale: As Noted

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Region 2 DTD

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Revised:
Void:

US 50 WEST
 INTERSECTION DETAIL
 PURCELL BLVD AND US 50

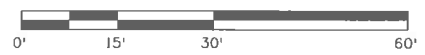
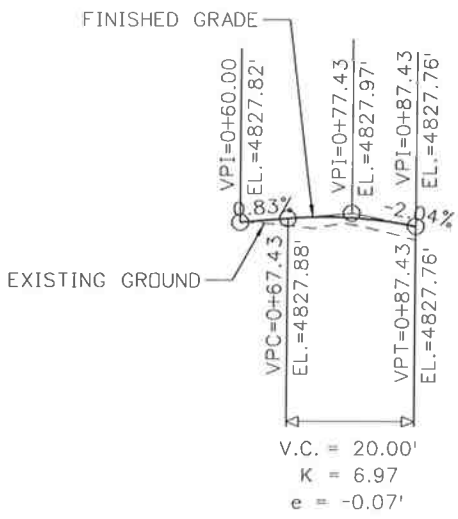
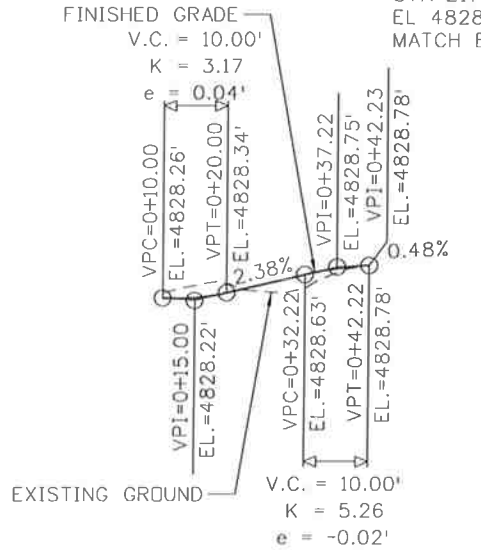
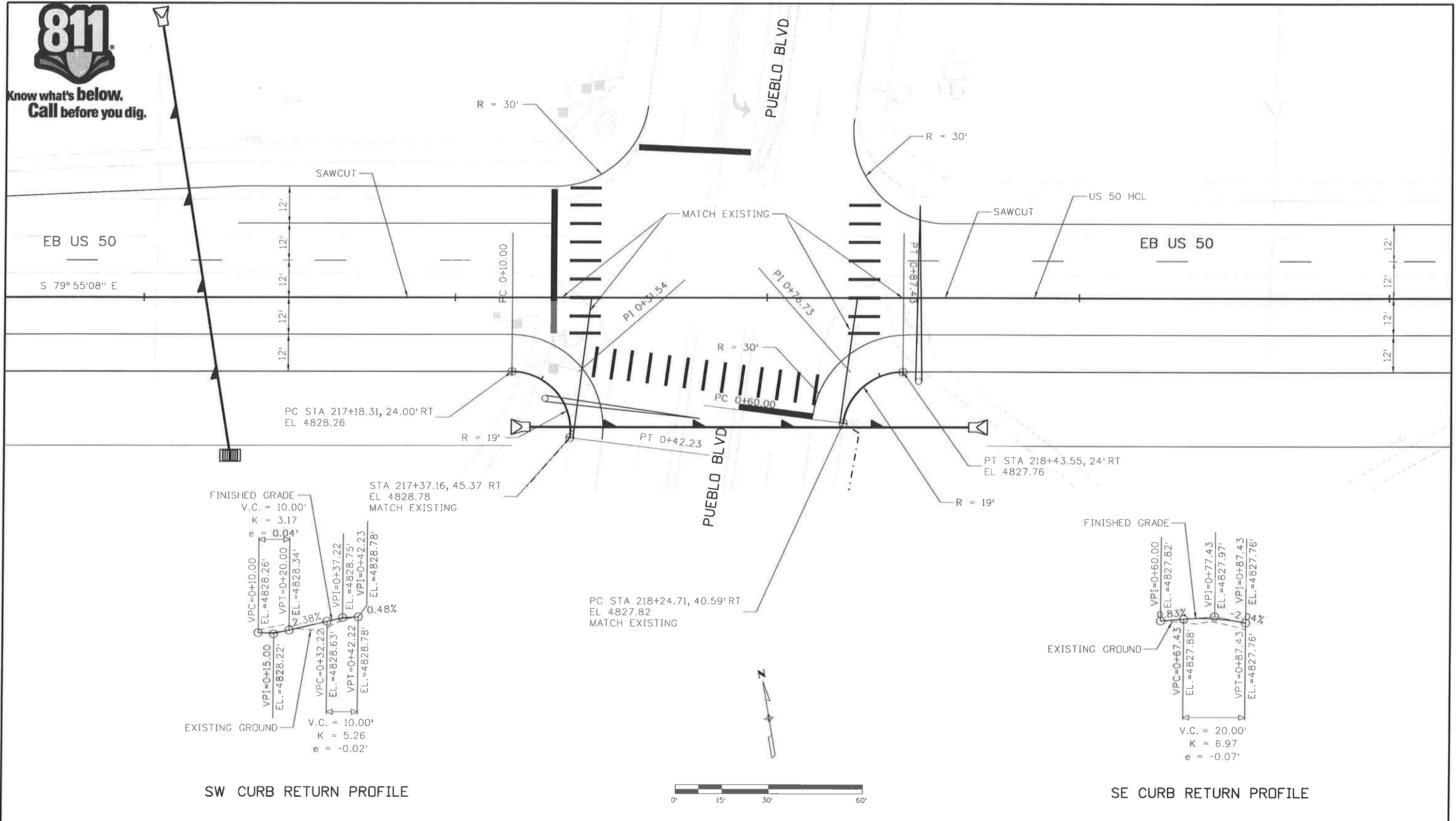
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Detailer:	ACE	Numbers	
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Project No./Code	FSA 0503-081
	19751
Sheet Number	75

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Sheet Revisions		
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Region 2 **DTD**

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US 50 WEST INTERSECTION DETAIL PUEBLO BLVD AND US 50

Designer: ACE
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Structure Numbers
 Subset Sheets: INT6 of 7

Project No./Code

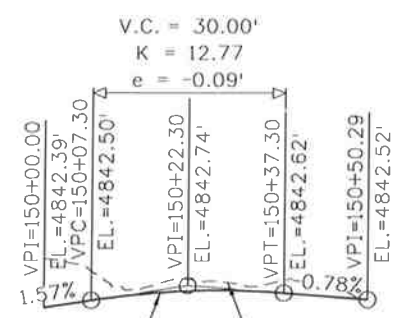
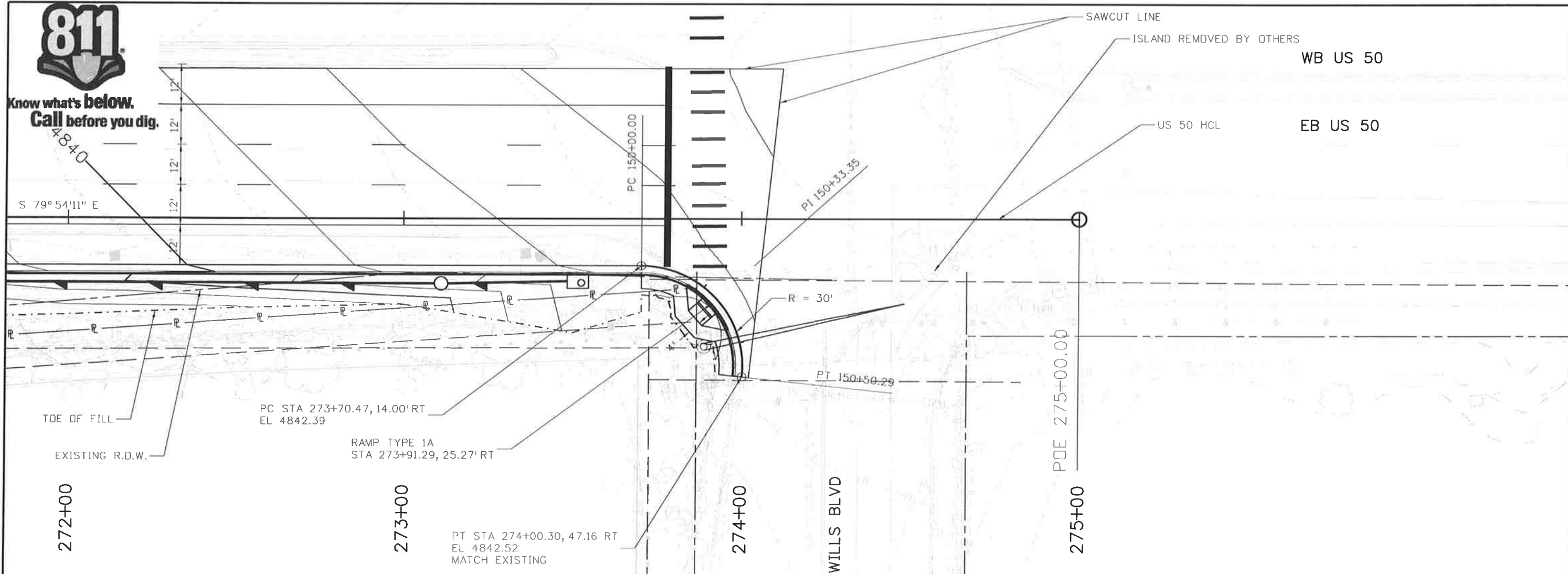
FSA 0503-081
 19751
 Sheet Number 76

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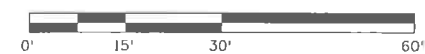
Know what's below.
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4840
S 79° 54' 11" E



FINISHED GRADE EXISTING GROUND

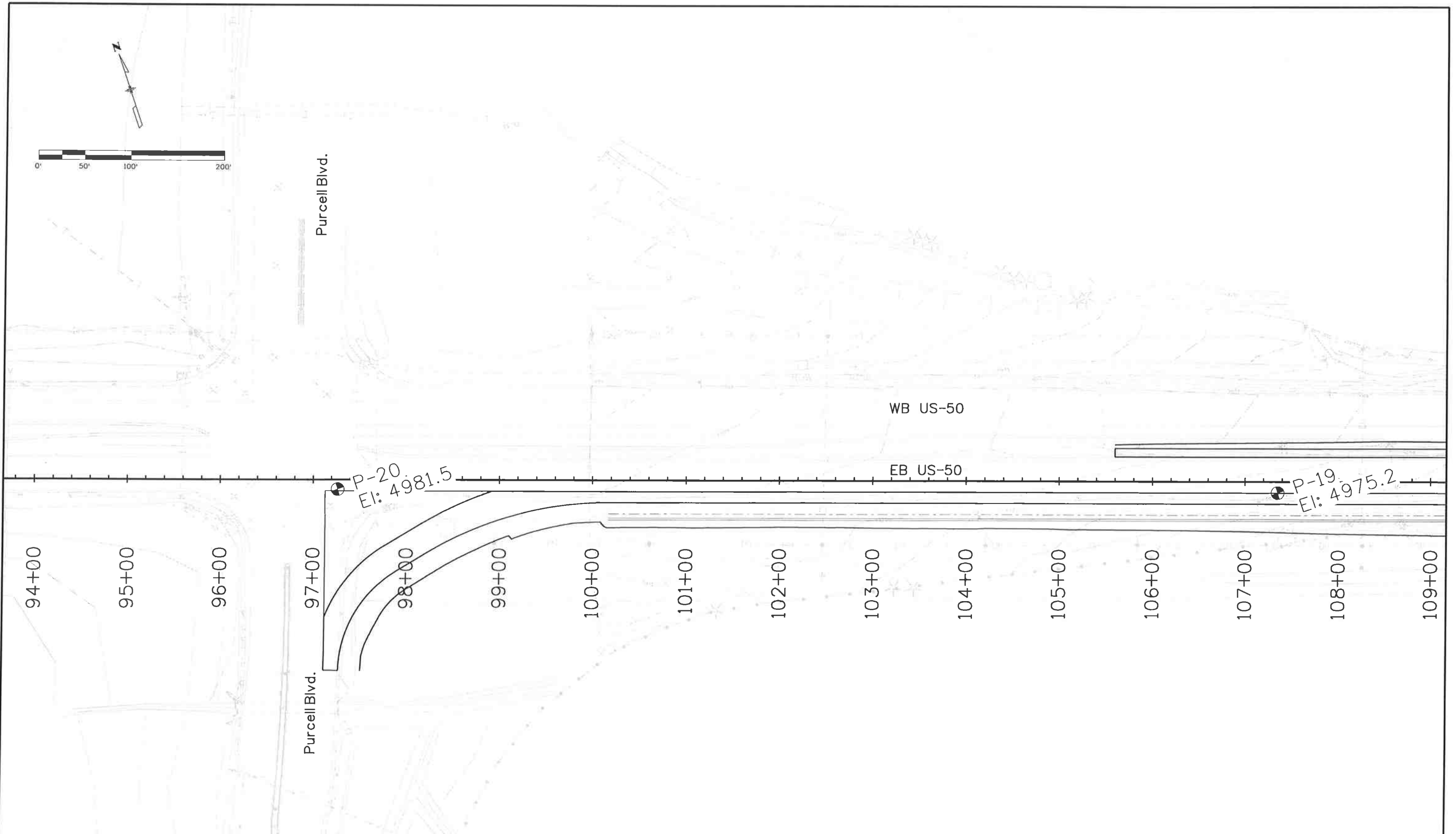
WILLS CURB RETURN PROFILE





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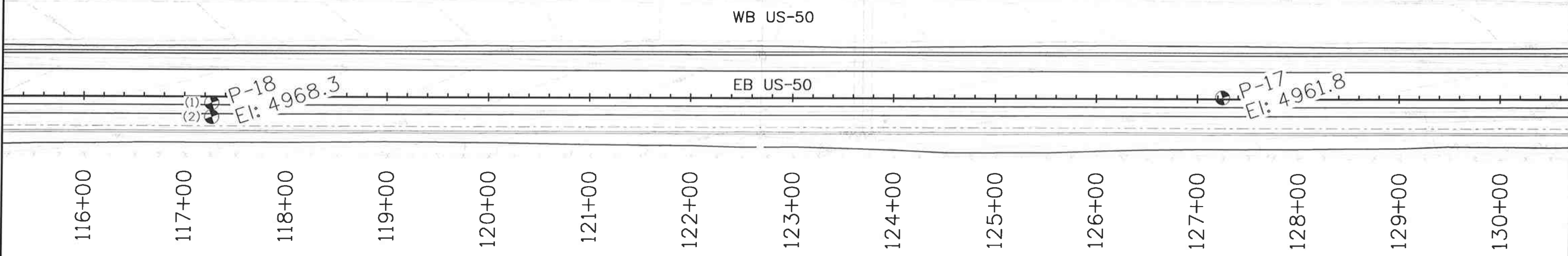
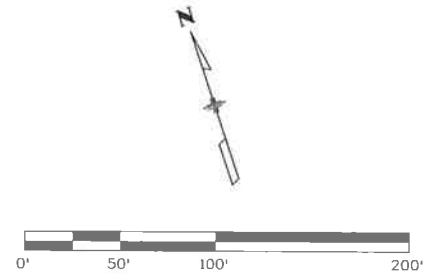
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Print Date: 7/28/2014		Sheet Revisions Date: Comments Init.		Colorado Department of Transportation  902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702		As Constructed No Revisions: _____ Revised: _____ Void: _____		US-50 WEST PURCELL BLVD TO WILLS BLVD BOREHOLE LOCATION PLAN		Project No./Code	
File Name: 19056 F3A BorePlan.dgn										FSA 0503-081	
Horiz. Scale: As Noted Vert. Scale: As Noted				 6510 W 91st Ave, Ste 130 Westminster, CO 80031 Ph: 303-962-9300 Fax: 303-962-9350		Designer: D. Hunt Structure Numbers Detailer: D. Knight		19751			
Unit Information Unit Leader Initials		Region 2 DTD						Sheet Subset: _____ of _____		Sheet Number 79	

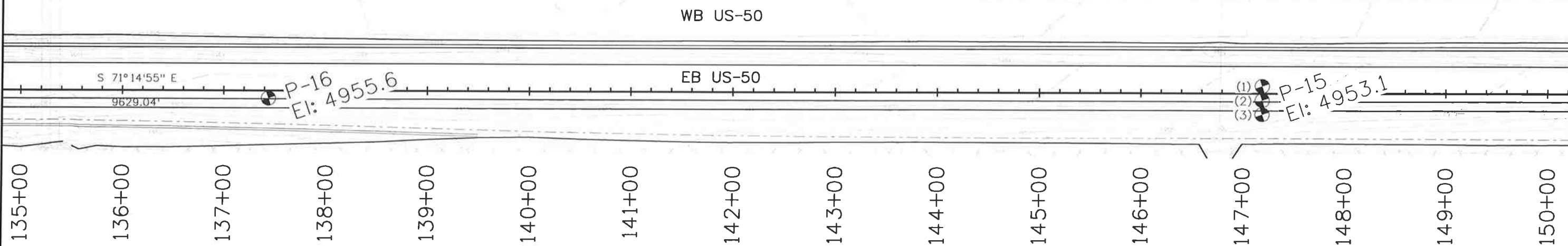
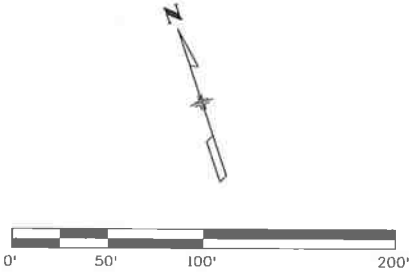
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NOTE FOR P-18:
 (1) = SHOULDER CORE
 (2) = OFF SHOULDER BOREHOLE APPROXIMATE LOCATION

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File Name: 19056 F3B BorePlan.dgn		Date:	Comments	Init.			No Revisions:		Designer: D. Hunt Detailer: D. Knight Sheet Subset:			FSA 0503-081	
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Unit Information Unit Leader Initials					Void:		Subset Sheets: of		Sheet Number 80				
 RockSol Consulting Group, Inc. 6510 W 91st Ave, Ste 130 Westminster, CO 80031 Ph: 303-962-9300 Fax: 303-962-9350													

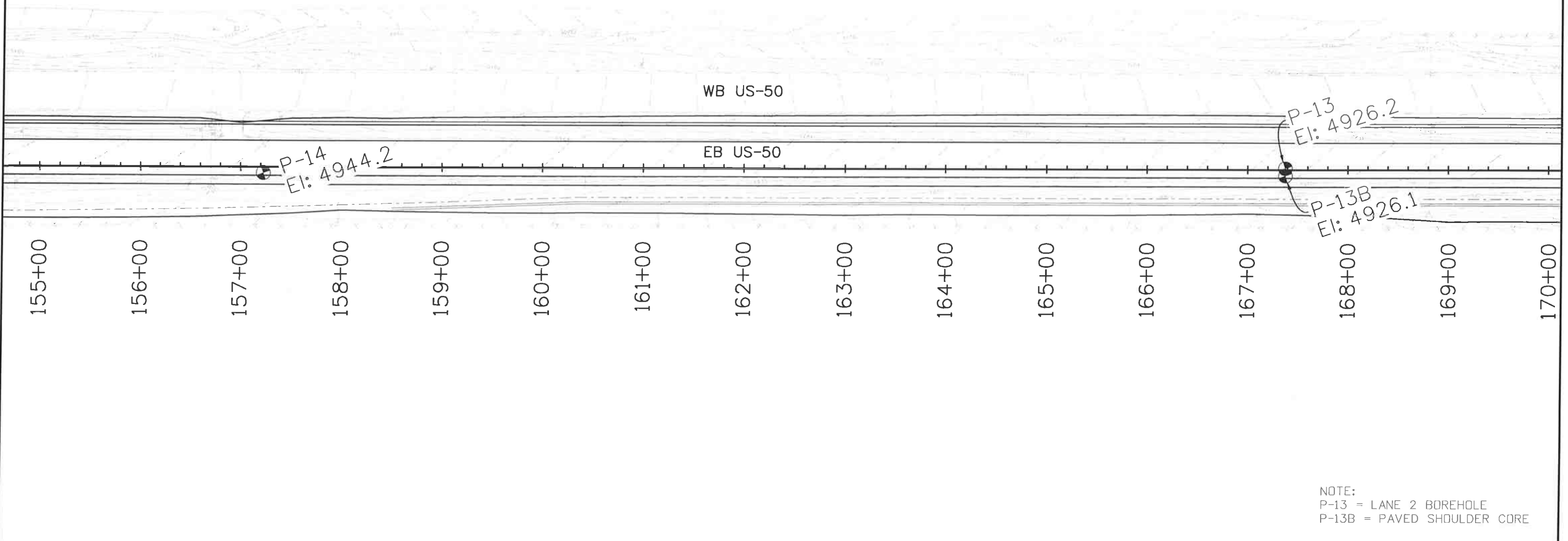
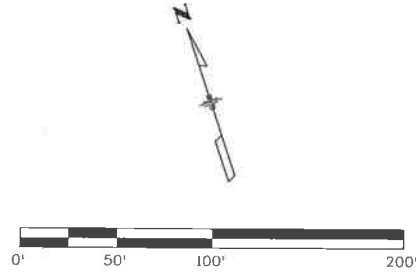
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NOTE FOR P-15:
 (1) = LANE 2 CORE APPROXIMATE LOCATION
 (2) = SHOULDER CORE
 (3) = OFF SHOULDER BOREHOLE APPROXIMATE LOCATION

Print Date: 7/28/2014	R-X	Sheet Revisions			Colorado Department of Transportation 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2 DTD	As Constructed		US-50 WEST PURCELL BLVD TO WILLS BLVD BOREHOLE LOCATION PLAN		Project No./Code	
File Name: 19056 F3C BorePlan.dgn		Date:	Comments:	Init.		No Revisions:	Designer: D. Hunt	Structure Numbers	FSA 0503-081		
Horiz. Scale: As Noted Vert. Scale: As Noted				Revised:	Detailer: D. Knight		19751				
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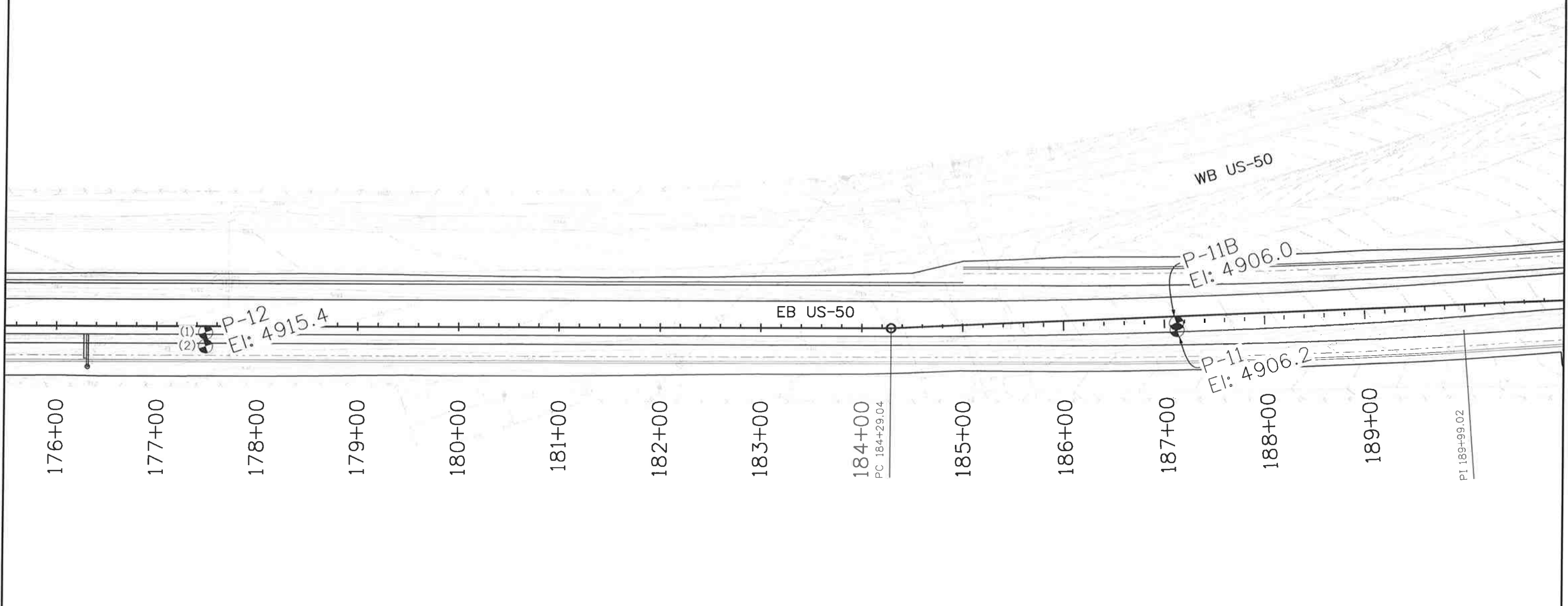
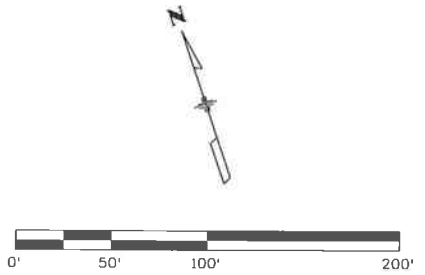


NOTE:
P-13 = LANE 2 BOREHOLE
P-13B = PAVED SHOULDER CORE

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File Name: 19056 F3D BorePlan.dgn Horiz. Scale: As Noted Vert. Scale: As Noted Unit Information Unit Leader Initials							Revised: Void:				Designer: D. Hunt Structure Numbers Detailer: D. Knight	


RockSol
Consulting Group, Inc.
6510 W 91st Ave, Ste 130
Westminster, CO 80031
Ph: 303-962-9300
Fax: 303-962-9350

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NOTE FOR P-12:
 (1) = PAVED SHOULDER CORE
 (2) = OFF SHOULDER BOREHOLE APPROXIMATE LOCATION

NOTE:
 P-11B = LANE 2 CORE
 P-11 = PAVED SHOULDER BOREHOLE

Print Date: 7/28/2014	
File Name: 19056 F3E BorePlan.dgn	
Horiz. Scale: As Noted	Vert. Scale: As Noted
Unit Information	Unit Leader Initials
	6510 W 91st Ave, Ste 130 Westminster, CO 80031 Ph: 303-962-9300 Fax: 303-962-9350

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

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 Phone: 719-562-5509 FAX: 719-546-5702

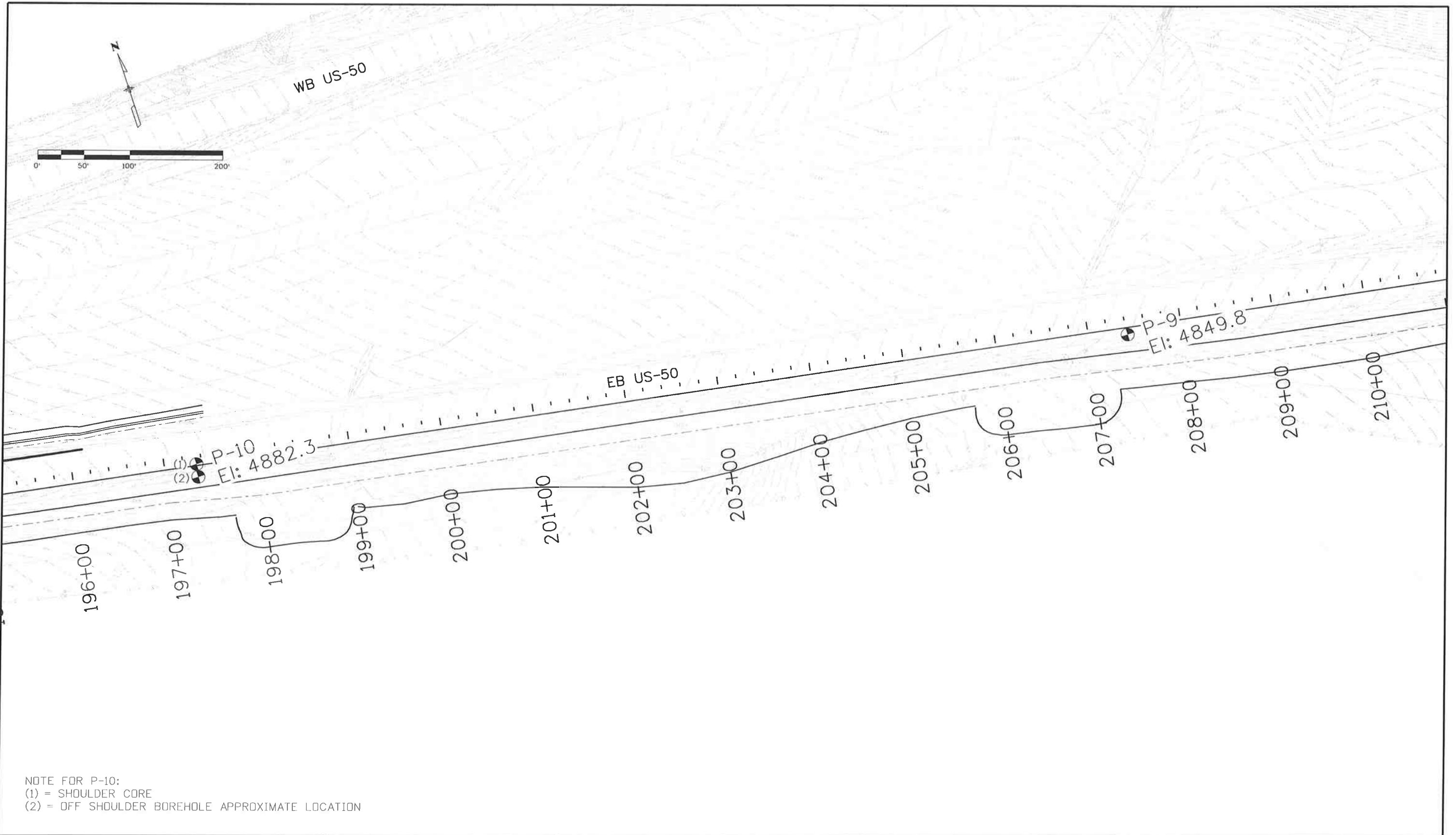
Region 2 **DTD**

As Constructed
No Revisions:
Revised:
Void:



US-50 WEST PURCELL BLVD TO WILLS BLVD BOREHOLE LOCATION PLAN		
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Detailer: D. Knight		
Sheet Subset:	Subset Sheets: of	

Project No./Code
FSA 0503-081
19751
Sheet Number 83

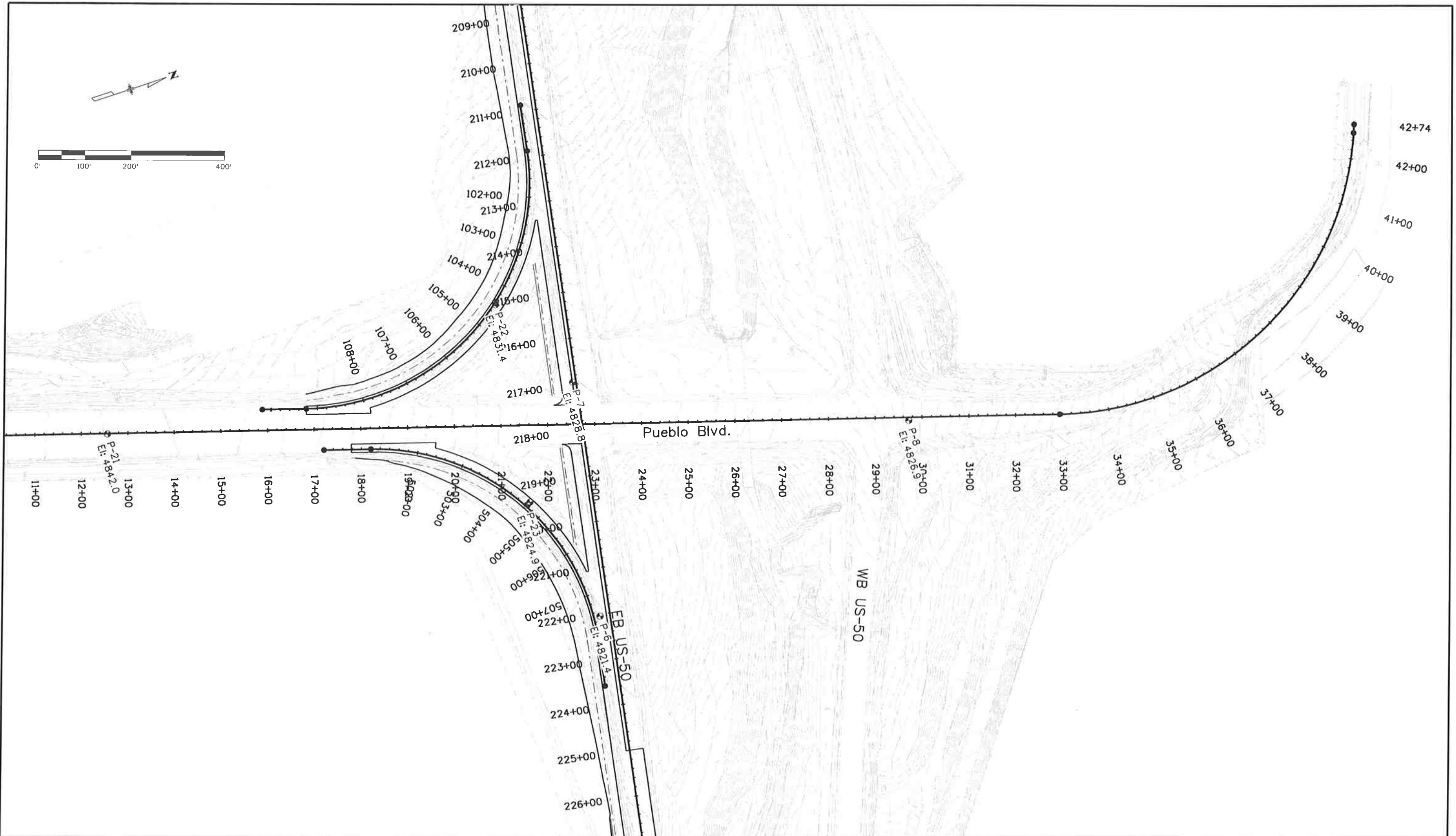
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NOTE FOR P-10:
 (1) = SHOULDER CORE
 (2) = OFF SHOULDER BOREHOLE APPROXIMATE LOCATION

Print Date: 7/28/2014		Sheet Revisions Date: Comments Init.			Colorado Department of Transportation  P.O. Box 536 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2 DTD		As Constructed No Revisions:		US 50 WEST PURCELL BLVD TO WILLS BLVD BOREHOLE LOCATION PLAN		Project No./Code FSA 0503-081	
File Name: 19056 F3F BorePlan.dgn							Revised:				Designer: D. Hunt Structure Numbers	
Horiz. Scale: As Noted Vert. Scale: As Noted		 6510 W 91st Ave, Ste 130 Westminster, CO 80031 Ph: 303-962-9300 Fax: 303-962-9350				Void:		Detailer: D. Knight Structure Numbers		Sheet Number 84		
Unit Information Unit Leader Initials						Sheet Subset:		Subset Sheets: of				

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Colorado Department of Transportation

Region 2

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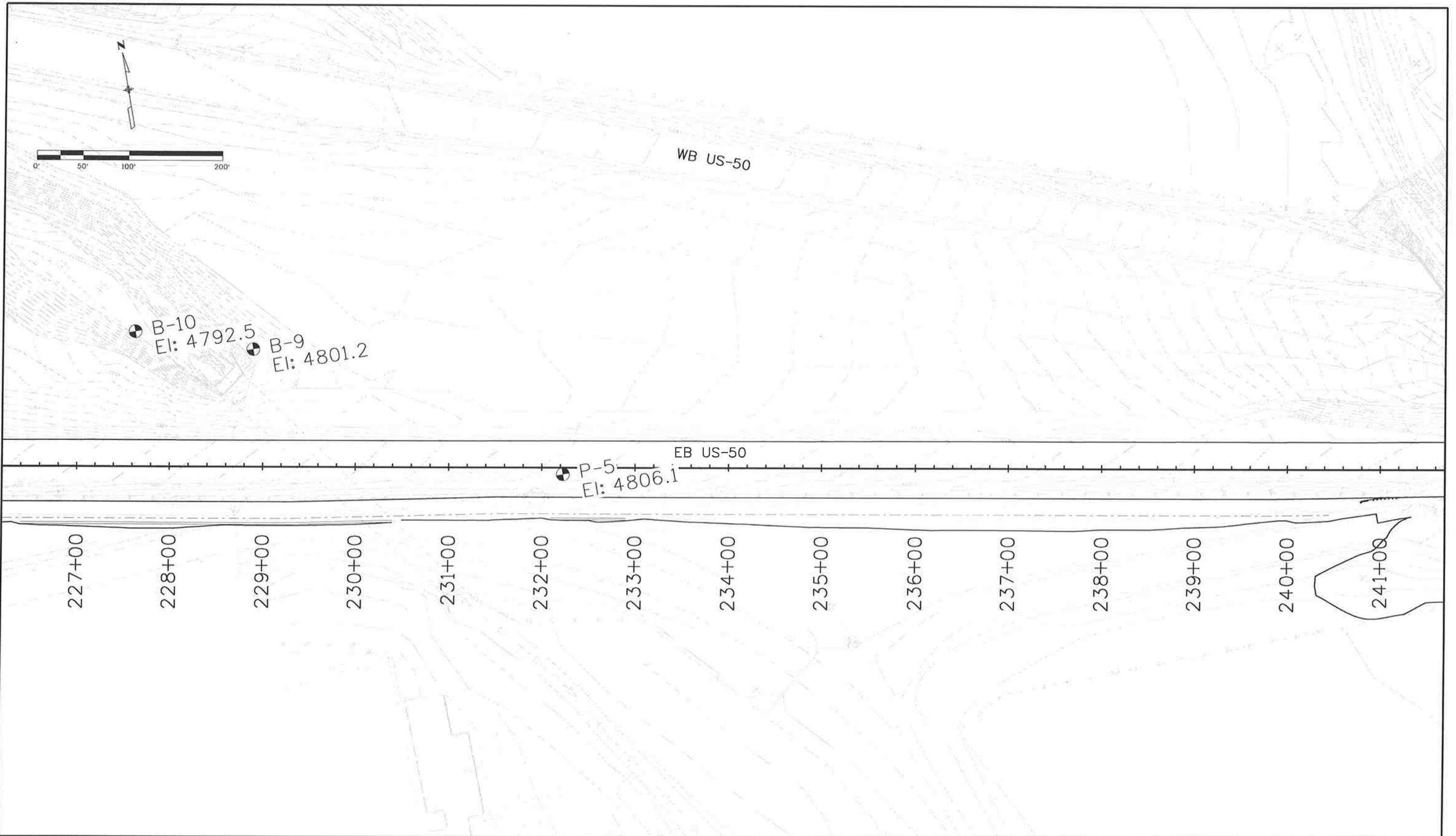
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As Constructed	
No Revisions:	
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US 50 WEST PURCELL BLVD TO WILLS BLVD BOREHOLE LOCATION PLAN		
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Detailer: D. Knight		
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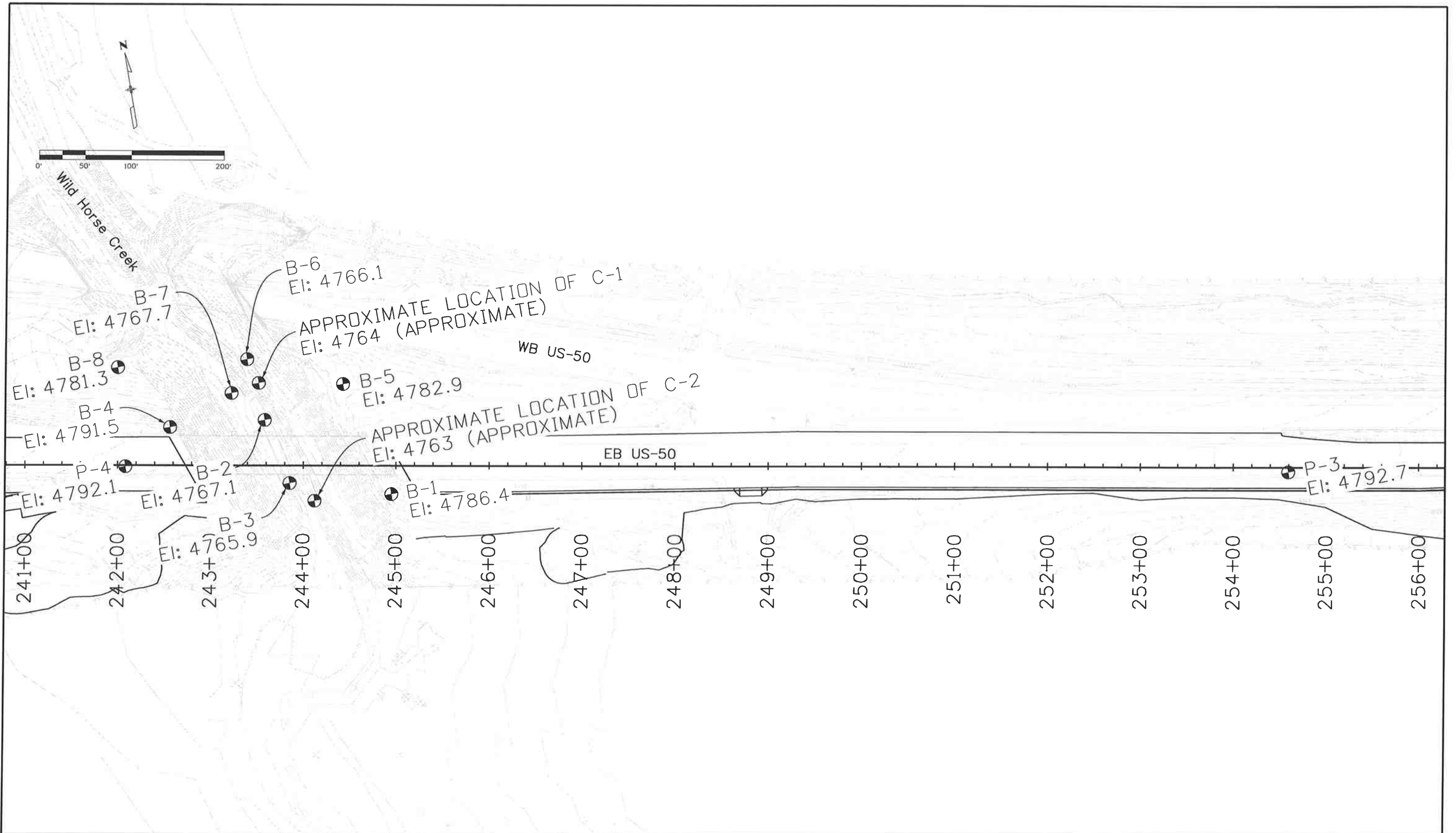
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19751	
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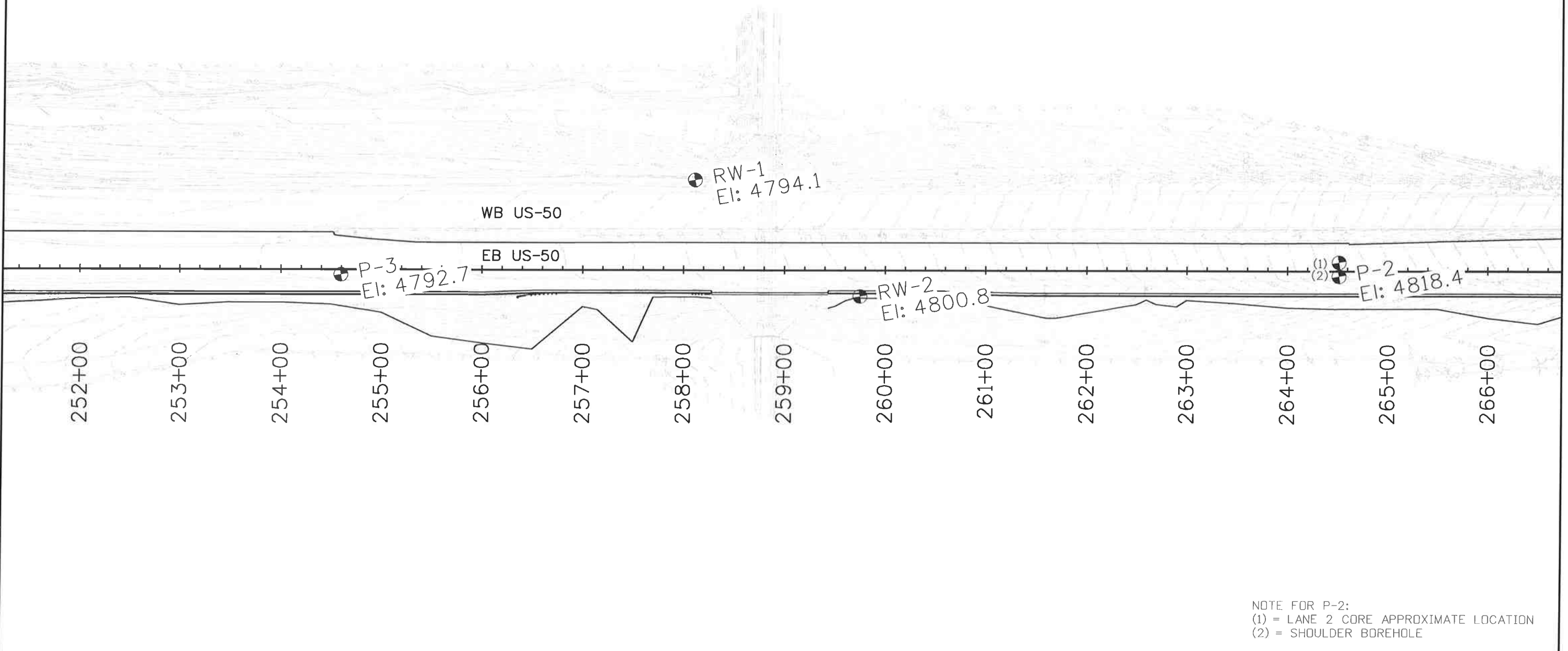
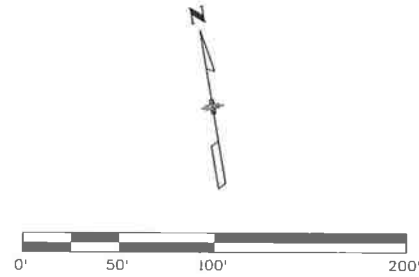
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Unit Information Unit Leader Initials		RockSol Consulting Group, Inc. 6510 W 91st Ave, Ste 130 Westminster, CO 80031 Ph: 303-962-9300 Fax: 303-962-9350										

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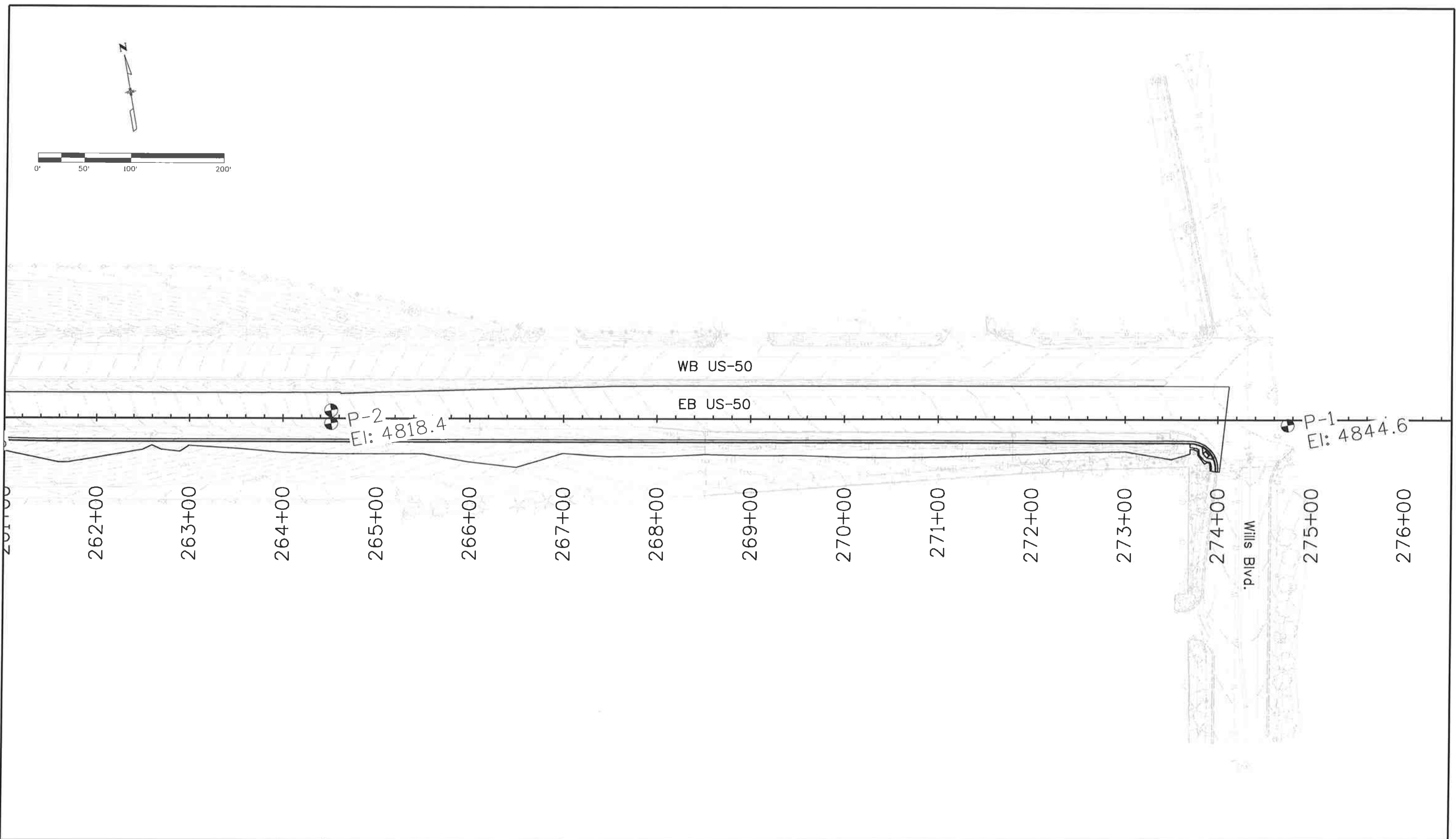
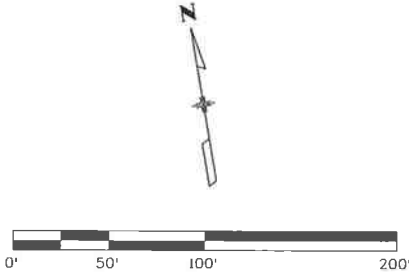
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NOTE FOR P-2:
 (1) = LANE 2 CORE APPROXIMATE LOCATION
 (2) = SHOULDER BOREHOLE

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File Name: 19056 F3J BorePlan.dgn						Revised:				Designer: D. Hunt Structure Numbers	
Horiz. Scale: As Noted Vert. Scale: As Noted		(R-X) 0000		Void:		Detailer: D. Knight		Sheet Subset: Subset Sheets: of		Sheet Number 88	
Unit Information Unit Leader Initials		 6510 W 91st Ave, Ste 130 Westminster, CO 80031 Ph: 303-962-9300 Fax: 303-962-9350									

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Unit Information	Unit Leader Initials
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Sheet Revisions		
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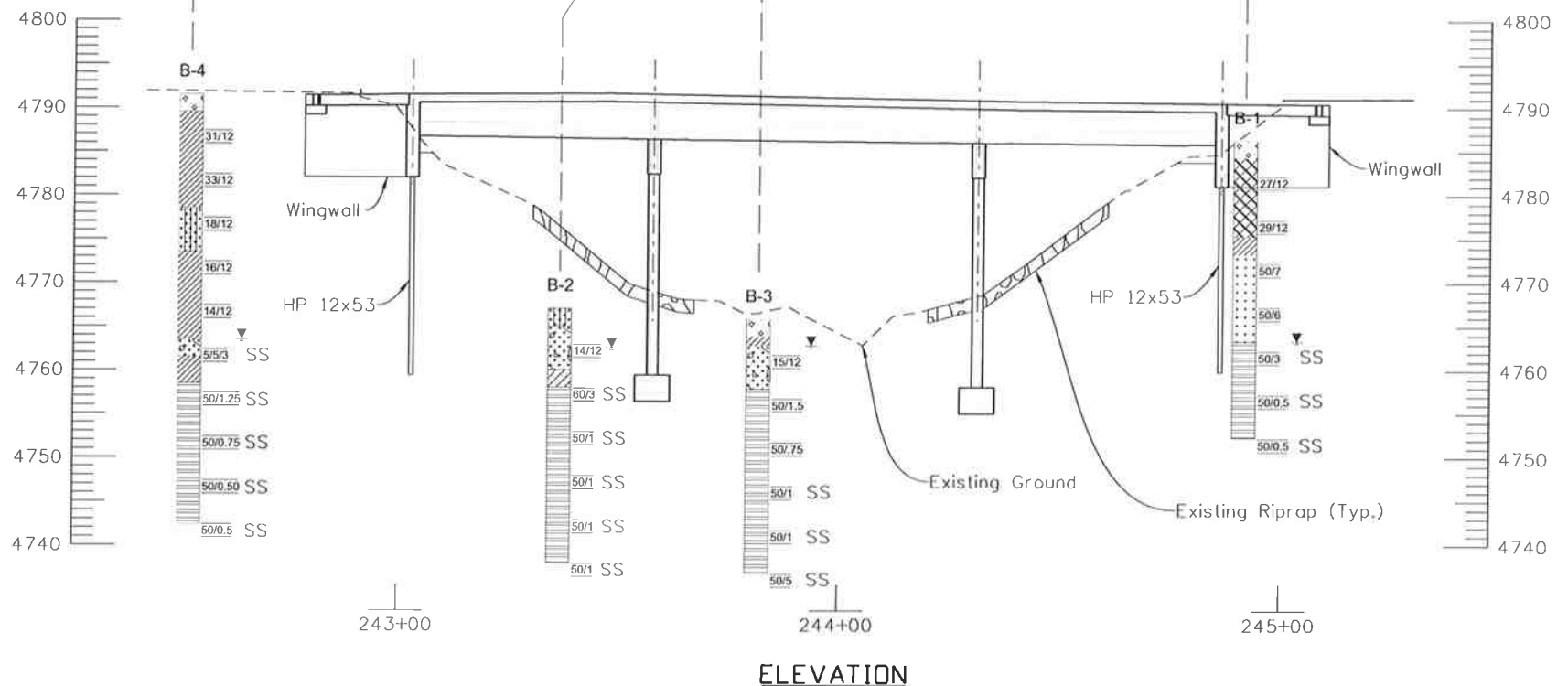
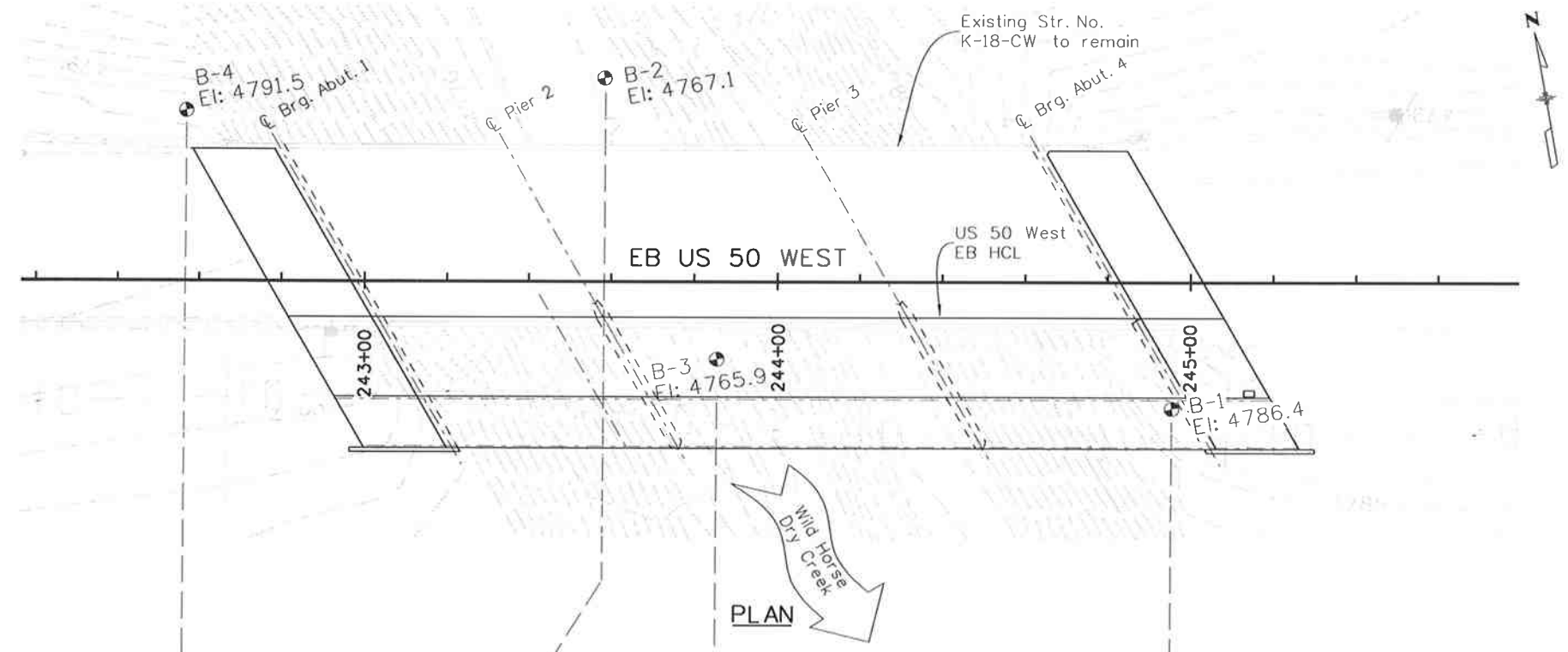
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No Revisions:
Revised:
Void:

US 50 WEST PURCELL BLVD TO WILLS BLVD BOREHOLE LOCATION PLAN	
Designer: D. Hunt	Structure Numbers
Detailer: D. Knight	
Sheet Subset:	Subset Sheets: of

Project No./Code
FSA 0503-081
19751
Sheet Number 89

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LEGEND

TEST BORING

- B Bridge Borehole
- ▼ Ground Water Level At Time of Drilling
- 9/12 9 Blows for 12 Inches
- 50/3 50 Blows for 3 Inches
- 8/6/7 SS Split Spoon Sampler Required 8 Blows for 6 Inches Required 6 Blows for 6 Inches Required 7 Blows for 6 Inches

BORING ID NOTED AT THE TOP OF LOG
 BLOW COUNTS OBTAINED WITH SPLIT SPOON SAMPLERS ARE NOTED WITH "SS". ALL OTHER BLOW COUNTS OBTAINED WITH A MODIFIED CALIFORNIA BARREL SAMPLER
 SEE INDIVIDUAL LOG SHEETS FOR MORE DETAIL

TYPE OF MATERIAL

LITHOLOGY

- Asphalt Pavement
- Fill - CLAY, with sand to sandy
- Fill - SAND, silty to clayey
- Native - TOPSOIL
- Native - SAND, gravelly
- Native - CLAY
- Native - CLAY, sandy
- Bedrock - CLAYSTONE
- Bedrock - SHALE
- Fill - Aggregate Base Course
- Fill - SAND, silty to gravelly
- Fill - CLAY, very sandy
- Native - SAND, silty
- Native - SAND, clayey
- Fill - CLAY, gravelly
- Native - GRAVEL, silty
- Bedrock - SANDSTONE

SAMPLE TYPE

- MODIFIED CALIFORNIA SAMPLER 2.5" O.D. AND 2" I.D. WITH BRASS LINERS INCLUDED
- SPLIT SPOON SAMPLER 2" O.D. AND 1 3/8" I.D. NO LINERS

15/12 Indicates 15 blows of a 140 pound hammer falling 30 inches was required to drive the sampler 12 inches.
 50/11 Indicates 50 blows of a 140 pound hammer falling 30 inches was required to drive the sampler 11 inches.
 5,5,5 Indicates 5 blows, 5 blows, 5 blows of a 140 pound hammer falling 30 inches was required to drive the sampler 18 inches.

▼ GROUND WATER LEVEL NOTED AT THE TIME OF DRILLING

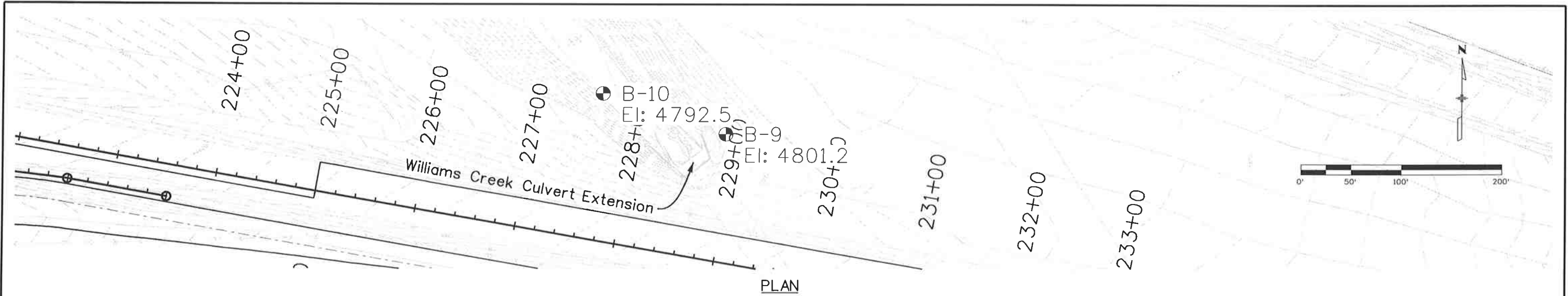
SEE INDIVIDUAL LOG SHEETS FOR ADDITIONAL DESCRIPTION OF MATERIAL ENCOUNTERED

SUMMARY OF TEST RESULTS

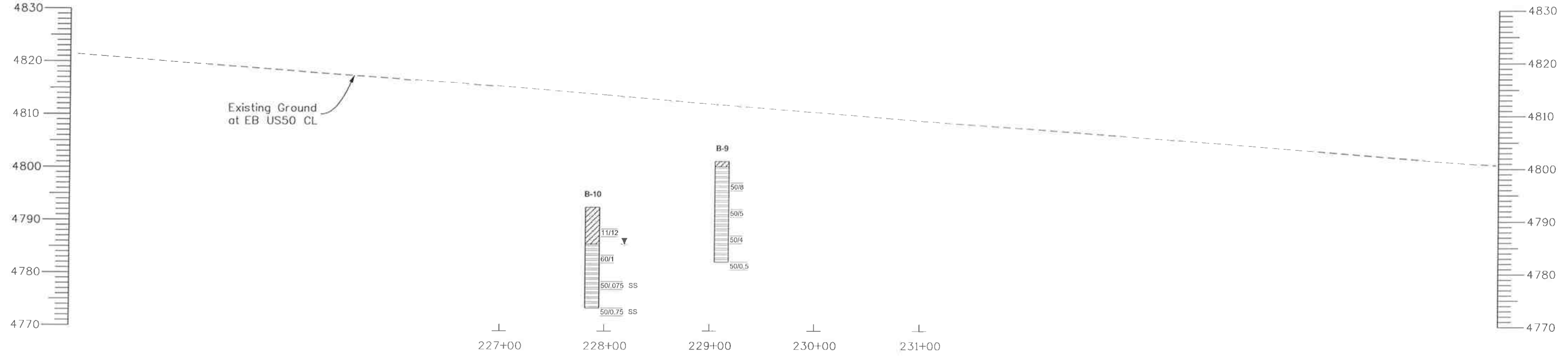
Sample ID	Depth (ft)	Liquid Limit	Plasticity Index	% < #200 Sieve	Classification		Water Content (%)	Dry Density (%)	Sulfate (%)
					USCS	AASHTO			
B-1	4	30	14			A-6 (13)	12.1	117.8	0.34
B-1	14	32	11			A-6 (11)	16.0	119.7	
B-1	19						15.6	116.1	1.56
B-2	0-4	26	9	51	CL	A-4 (2)			
B-2	9.5	24	8	22	SC	A-2-4 (0)			
B-3	0-4	23	9	14	SC	A-2-4 (0)			
B-4	9	30	16	54	CL	A-6 (5)	11.2	128.5	
B-4	14			47			11.3	125.9	
B-4	19	35	20	94	CL	A-6 (18)	18.2	110.8	1.74
B-4	29			25					

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File Name: 19056 F4A EngGeo.dgn		Date:	Comments	Init.	 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702			No Revisions:		EB OVER WILD HORSE/DRY CREEK			FSA 0503-081			
Horiz. Scale: As Noted Vert. Scale: As Noted										Revised:		ENGINEERING GEOLOGY				
 6510 W 91st Ave, Ste 130 Westminster, CO 80031 Ph: 303-962-9300 Fax: 303-962-9350												Designer: D. Hunt Structure Numbers K-18-CW Detailer: S. McKanna-Koon			19751	
		 Region 2		DTD		Subset: Bridge Subset Sheets: of		Sheet Number 90								

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PLAN



PROFILE

SUMMARY OF TEST RESULTS															TYPE OF MATERIAL										LEGEND						
Sample ID	Depth (ft)	Liquid Limit	Plasticity Index	% < #200 Sieve	Classification		Water Content (%)	Dry Density (%)	Sulfate (%)	Sample ID	Depth (ft)	Liquid Limit	Plasticity Index	% < #200 Sieve	Classification		Water Content (%)	Dry Density (%)	Sulfate (%)	Sample ID	Depth (ft)	Liquid Limit	Plasticity Index	% < #200 Sieve	Classification		Water Content (%)	Dry Density (%)	Sulfate (%)		
B-9	4	25	9	37	SC	A-4 (0)	8.0		0.92																						
B-10	0-4	29	15	46	SC	A-6 (3)			9.40																						
B-10	4	26	11	58	CL	A-6 (3)	20.3	113.3																							

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File Name: 19056 F4B EngGeo.dgn		Date:	Comments	Init.	902 Erie Avenue		PURCELL BLVD TO WILLS BLVD		FSA 0503-081		
Horiz. Scale: As Noted		Unit Information		Region 2		Revised:		ENGINEERING GEOLOGY		19751	
Vert. Scale: As Noted		Unit Leader Initials		CDOT		Void:		Designer: D. Hunt		Structure Numbers	
RockSol Consulting Group, Inc.		6510 W 91st Ave, Ste 130 Westminster, CO 80031		Ph: 303-962-9300 Fax: 303-962-9350		402 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702		Detailer: S. McKanna-Koon		Sheet Number 91	
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