

Oversight / NHS

FHWA REGION VIII OVERSIGHT?  NO  YES

NATIONAL HIGHWAY SYSTEM?  NO  YES

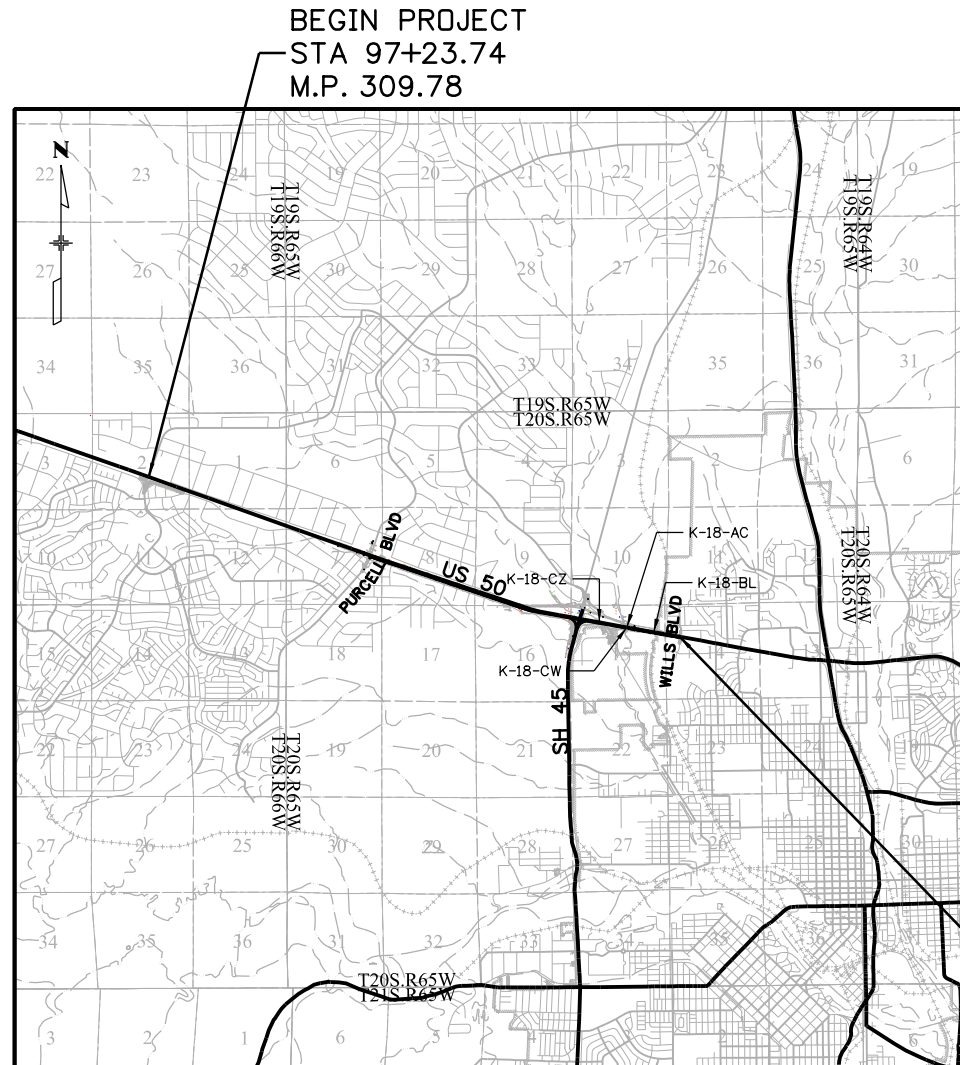
# DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

**Related Projects:**  
P. E. UNDER PROJECT: STA 050A-022  
Project Number: 19056  
Project Code:  
**R.O.W. Projects:**  
R.O.W. Project Description: STA 050A-022  
19056

## HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED FEDERAL AID PROJECT NO. STA 050A-022 UNITED STATES HIGHWAY NO. 50 PUEBLO COUNTY CONSTRUCTION PROJECT CODE NO. 19056

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106	ITS
107-120	UTILITY PLAN

TABULATION OF LENGTH & DESIGN DATA		
STATION	FEET	
	ROADWAY	MAJOR STR.
APPROACH TO PROJECT STA. 95+00.00 ON US 50		
BEGIN PROJECT NO 19056 STA. 97+23.74 ON US 50, M.P. 310.0	14,549.90	
STA. 242+73.64 BEGIN STRUCTURE NO. K-18-CW		233.12
STA. 245+06.76 END STRUCTURE NO. K-18-CW		
END PROJECT NO 19056 STA. 274+08.37 ON US 50, M.P. 313	2,901.61	
APPROACH TO PROJECT STA. 275+00.00 ON US 50		
<b>TOTAL</b>	17,451.51	233.12
<b>SUMMARY OF PROJECT LENGTH</b>	FEET	MILES
MAJOR STRUCTURE	233.12	0.04
PROJECT GROSS LENGTH	17,684.63	3.35
<b>DESIGN DATA</b>	US 50 (EB)	
MAXIMUM RADIUS OF CURVE	6,844 FT.	
MAXIMUM GRADE	5.20%	
MINIMUM S.S.D. HORIZONTAL	495 FT.	
MINIMUM S.S.D. VERTICAL	495 FT.	
MAXIMUM DESIGN SPEED	65 MPH	
2035 DESIGN TRAFFIC	DHV = 4,493 vph ADT = 43,425 vpd	
DHV TRUCK %	6.40%	
CLEAR ZONE DISTANCE (TANGENT)	24 FT.	
CLEAR ZONE DISTANCE (XXX MIN. RADIUS)	24 FT.	
CONSTRUCTION CLEAR ZONE (MIN 18')	18 FT.	



PROJECT LOCATION MAP



END PROJECT  
STA 274+08.37  
M.P. 313.15

Print Date: 12/10/2013  
File Name: 19056DES\_TitleSht.dgn  
Horiz. Scale: 1:1      Vert. Scale: As Noted  
Unit Information      Unit Leader Initials  
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5898 South Rapp Street  
Littleton, Colorado 80120

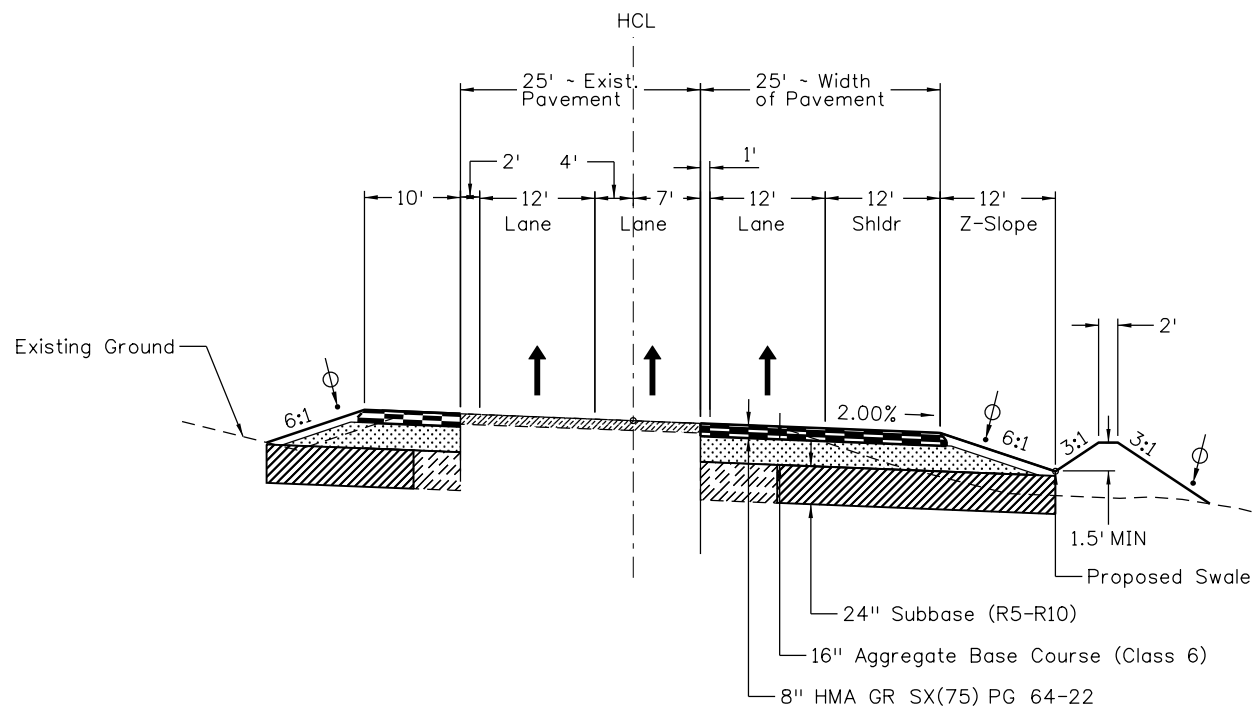
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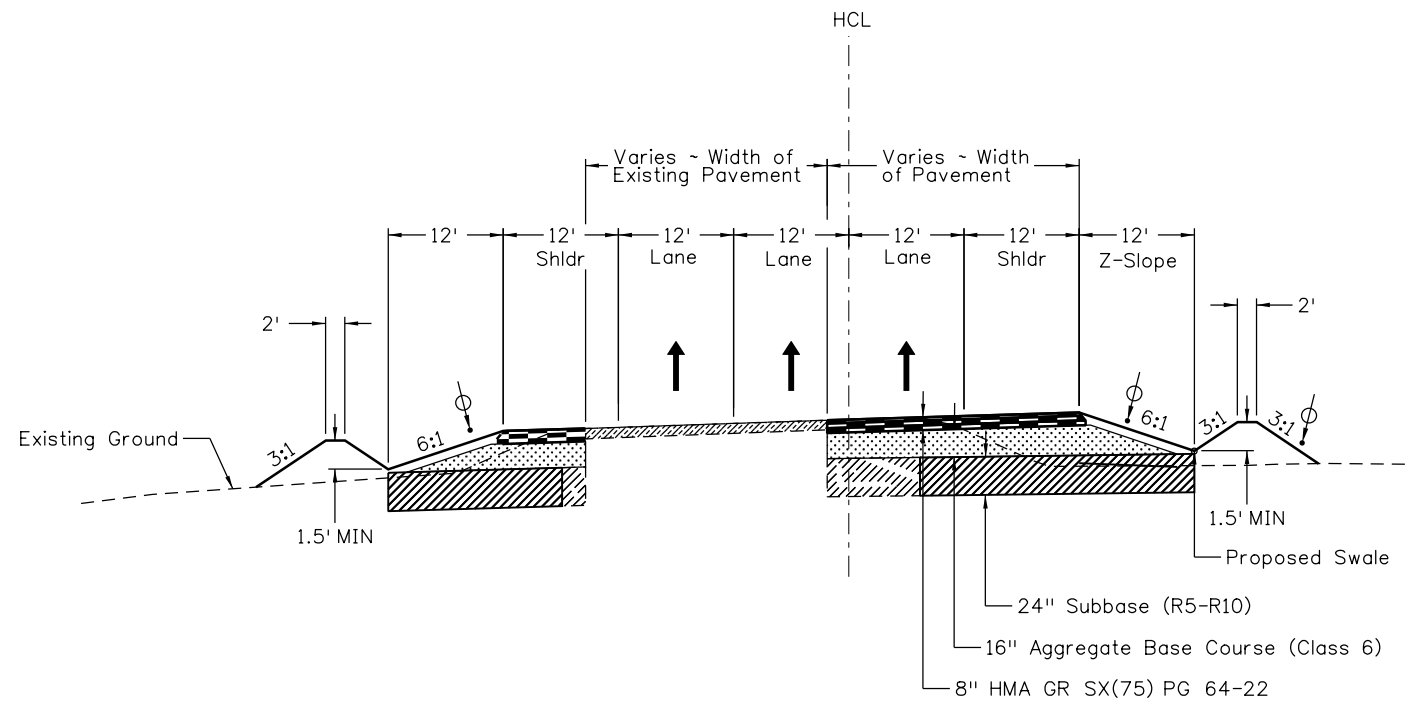
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Revised:  
Void:

**Contract Information**  
Contractor:  
Resident Engineer: DAN DAHLKE  
Project Engineer: JOE GARCIA  
PROJECT STARTED: / /      ACCEPTED: / /  
Comments:

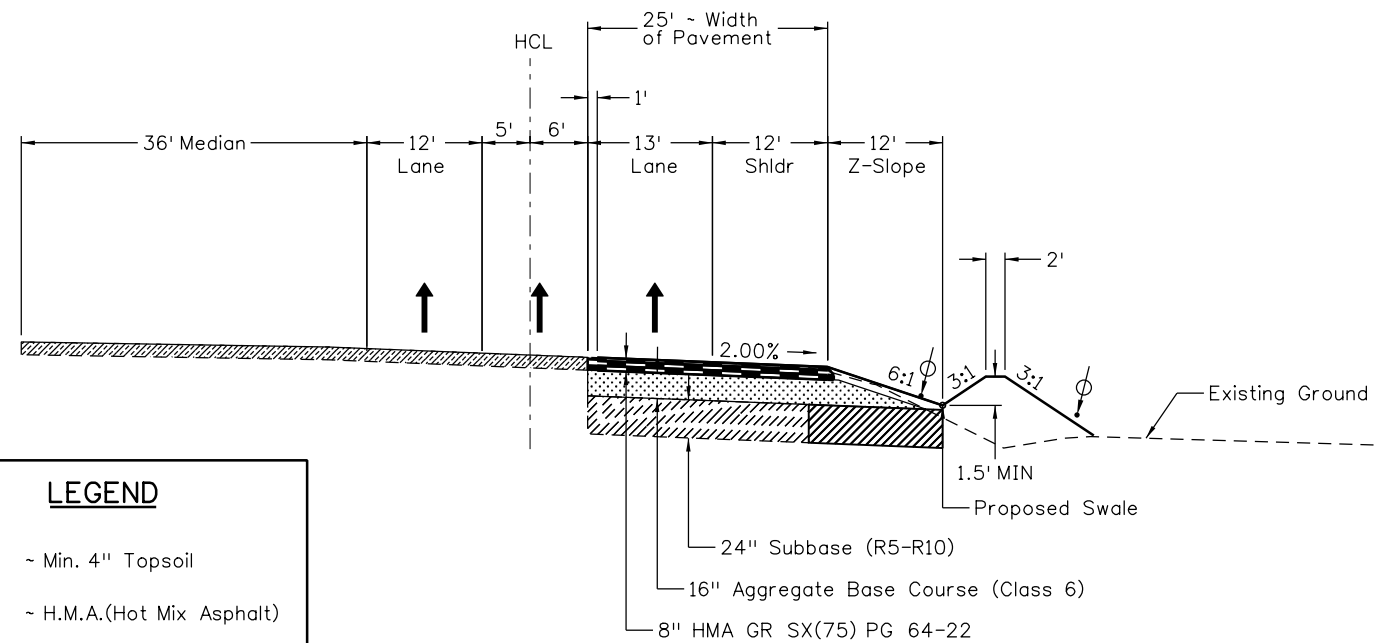
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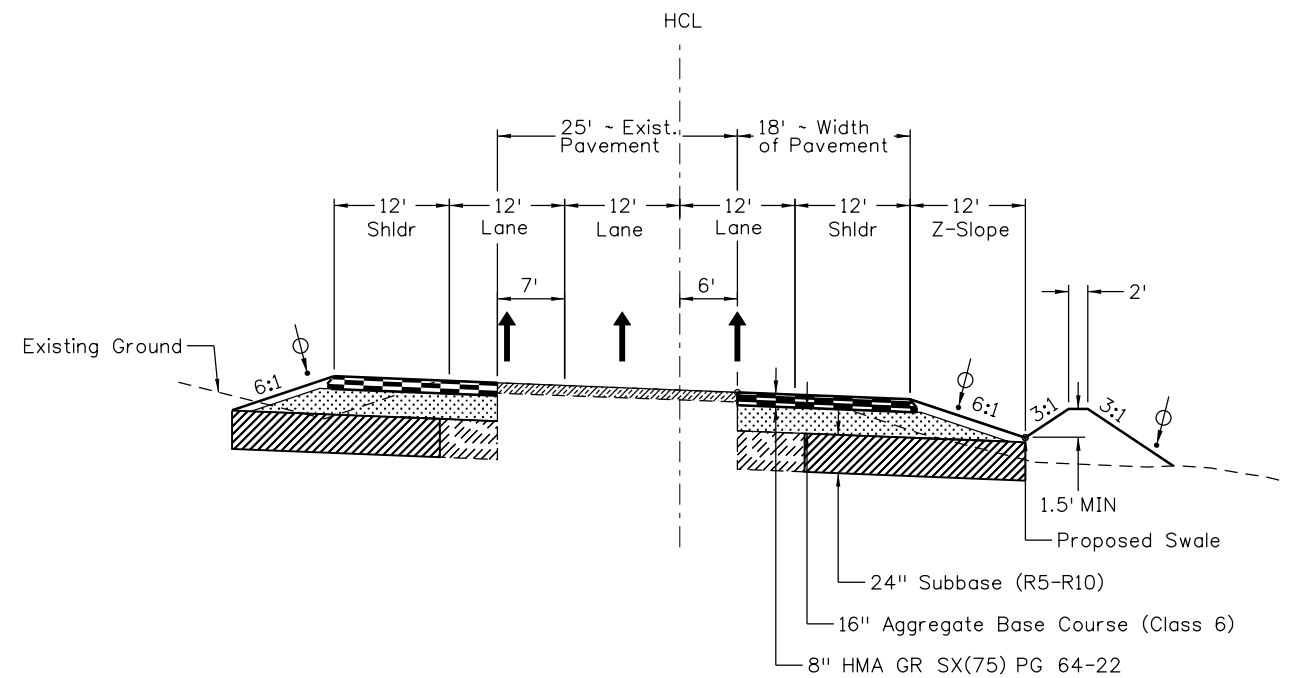
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STA 105+59.43 TO STA 109+73.81



**U.S. 50 TYPICAL SECTION**  
STA 185+00 TO STA 192+00



**U.S. 50 TYPICAL SECTION**  
STA 98+57.10 TO STA 105+59.43



**U.S. 50 TYPICAL SECTION**  
STA 113+58.81 TO STA 184+35.32

LEGEND	
	~ Min. 4" Topsoil
	~ H.M.A. (Hot Mix Asphalt)
	~ Aggregate Base Course
	~ Existing Subbase
	~ Proposed Subbase

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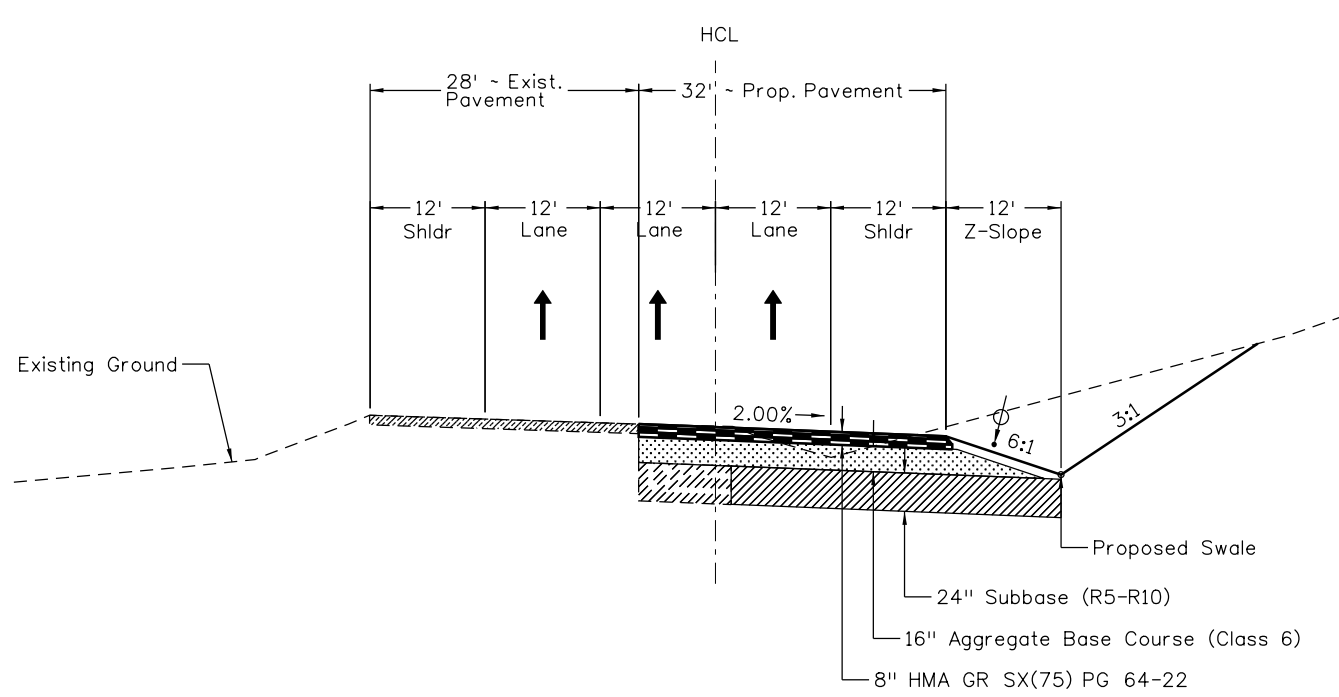
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Detailer:	AB	
Subset:	TYP	Subset Sheets: TYP1 of 4

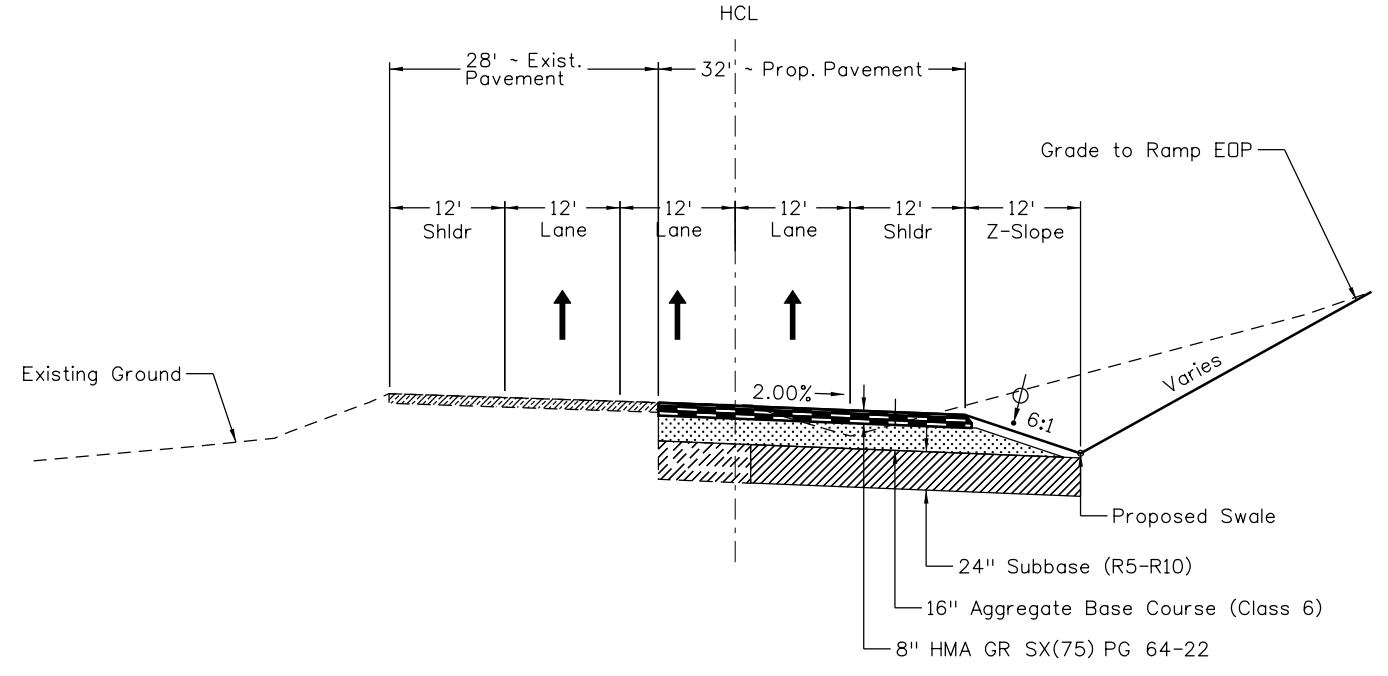
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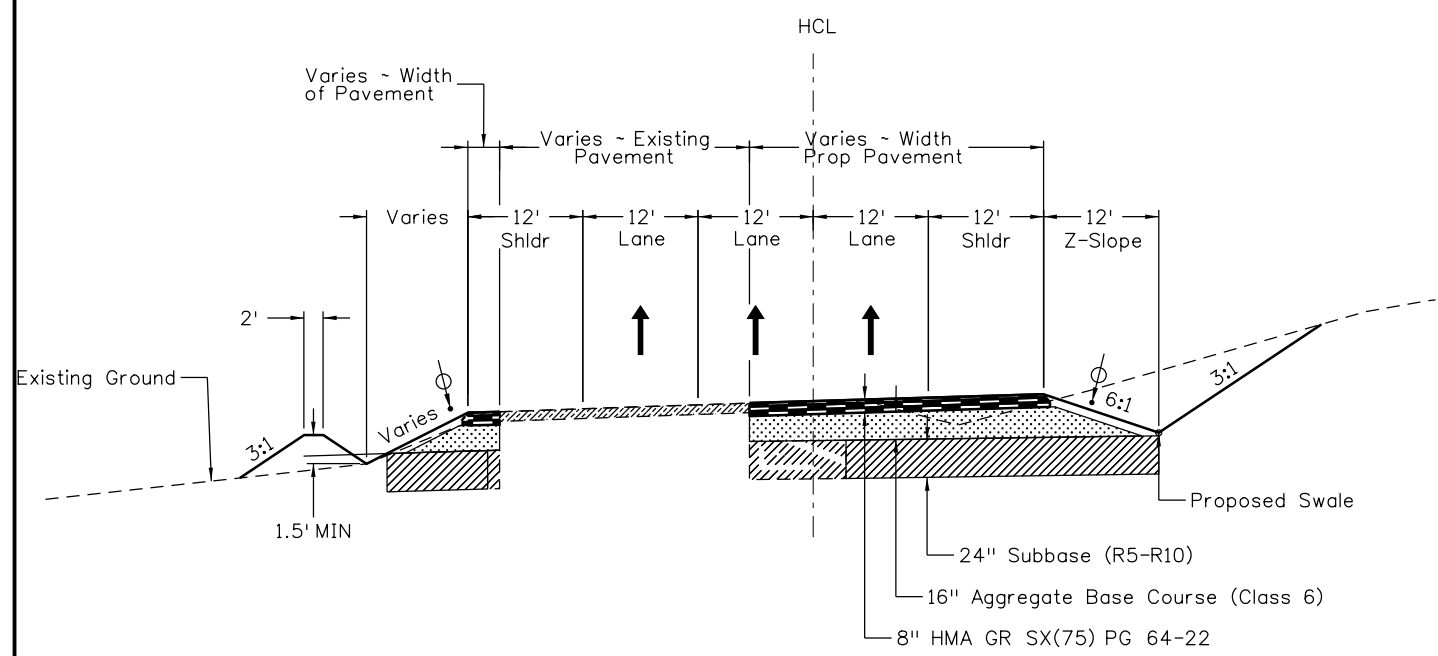
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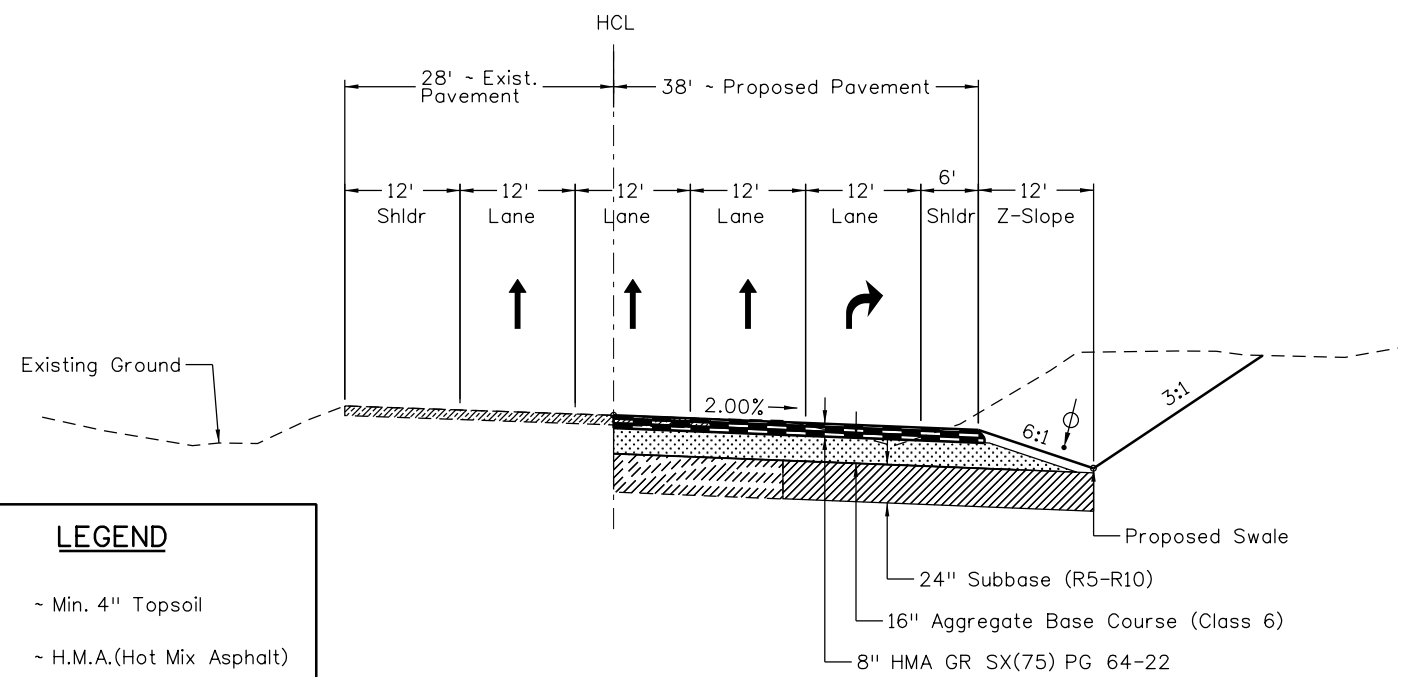
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STA 197+50.00 TO STA 206+43.45



**U.S. 50 TYPICAL SECTION**  
STA 213+83.74 TO STA 216+98.07  
STA 218+40.16 TO STA 220+49.08



**U.S. 50 TYPICAL SECTION**  
STA 192+50 TO STA 196+14.94



**U.S. 50 TYPICAL SECTION**  
STA 208+64.32 TO STA 211+86.31  
STA 222+55.18 TO STA 229+28.82

**LEGEND**

- Min. 4" Topsoil
- H.M.A. (Hot Mix Asphalt)
- Aggregate Base Course
- Existing Subbase
- Proposed Subbase

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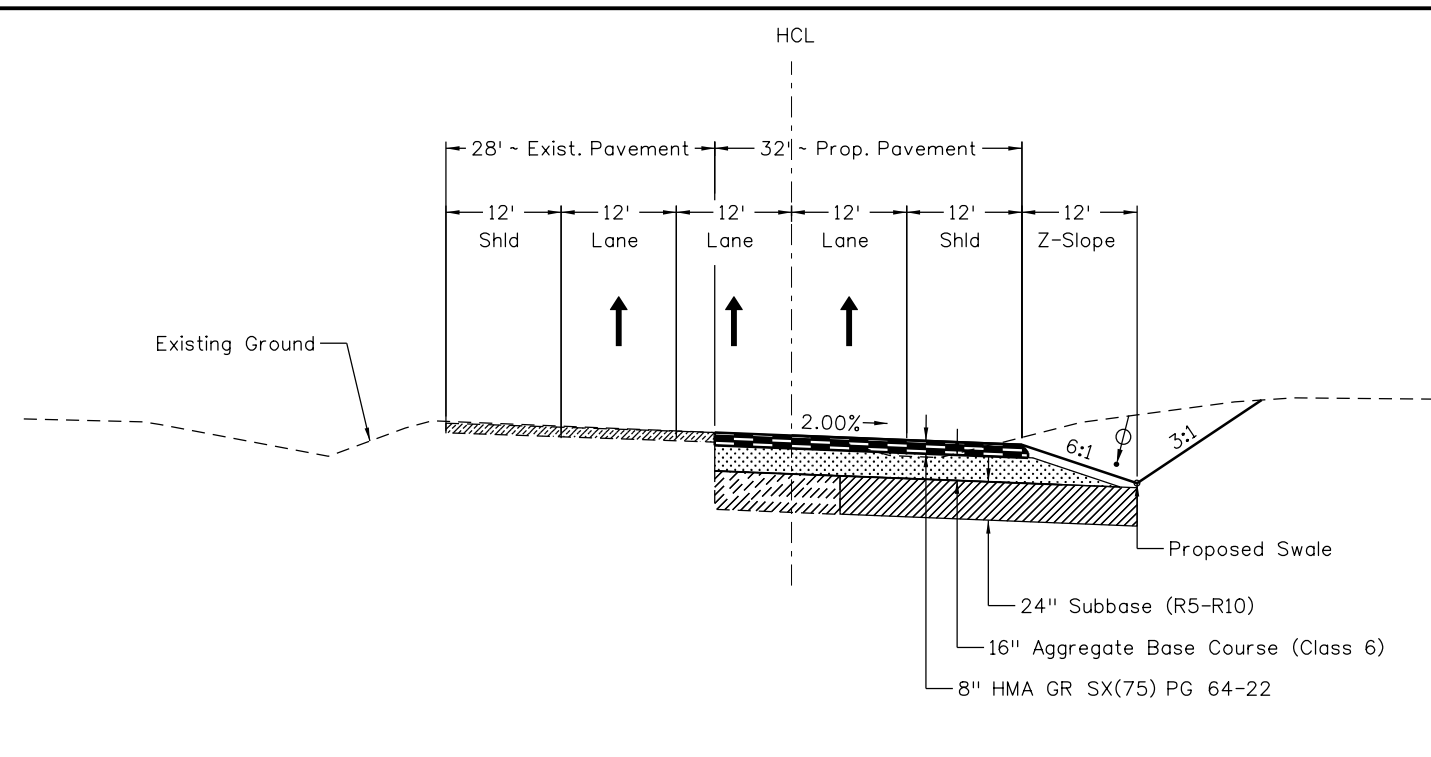
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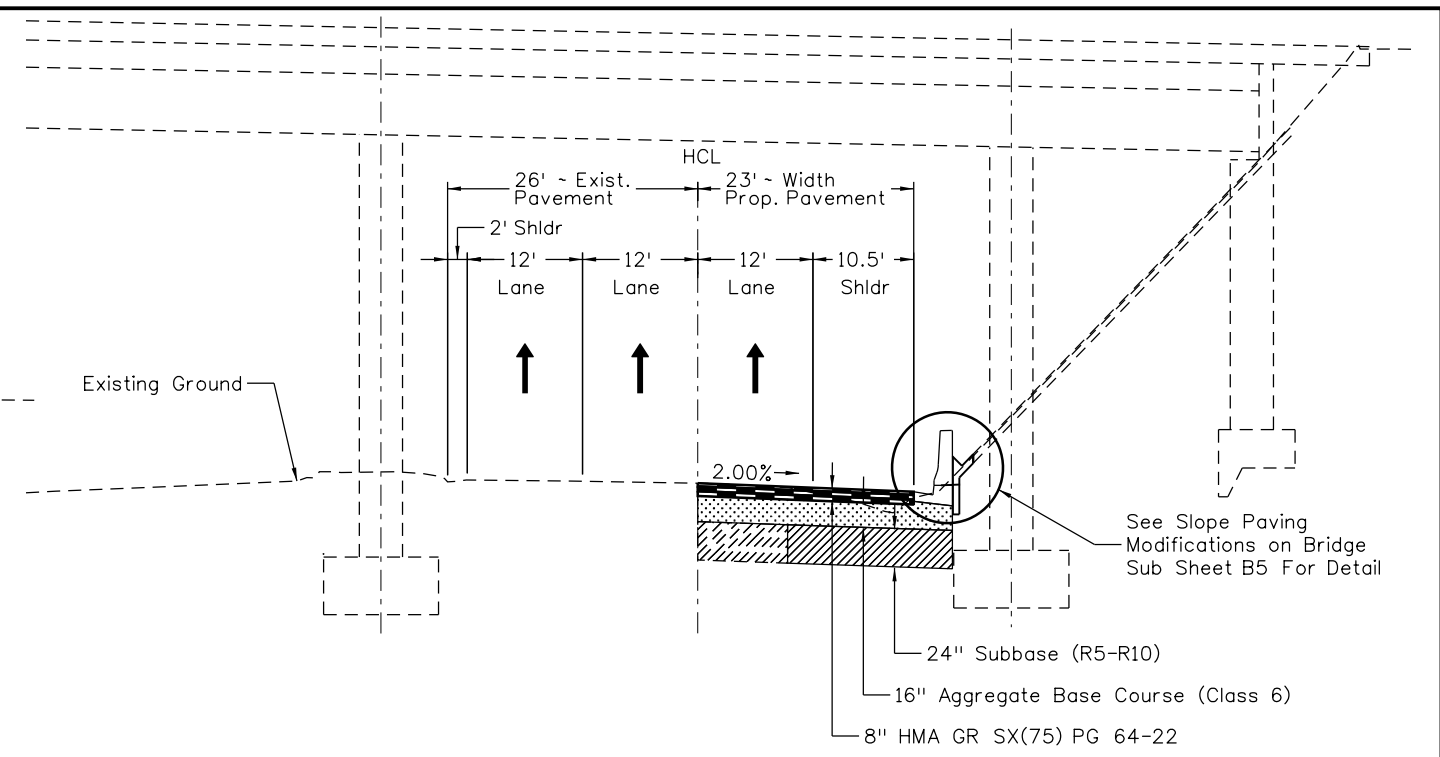
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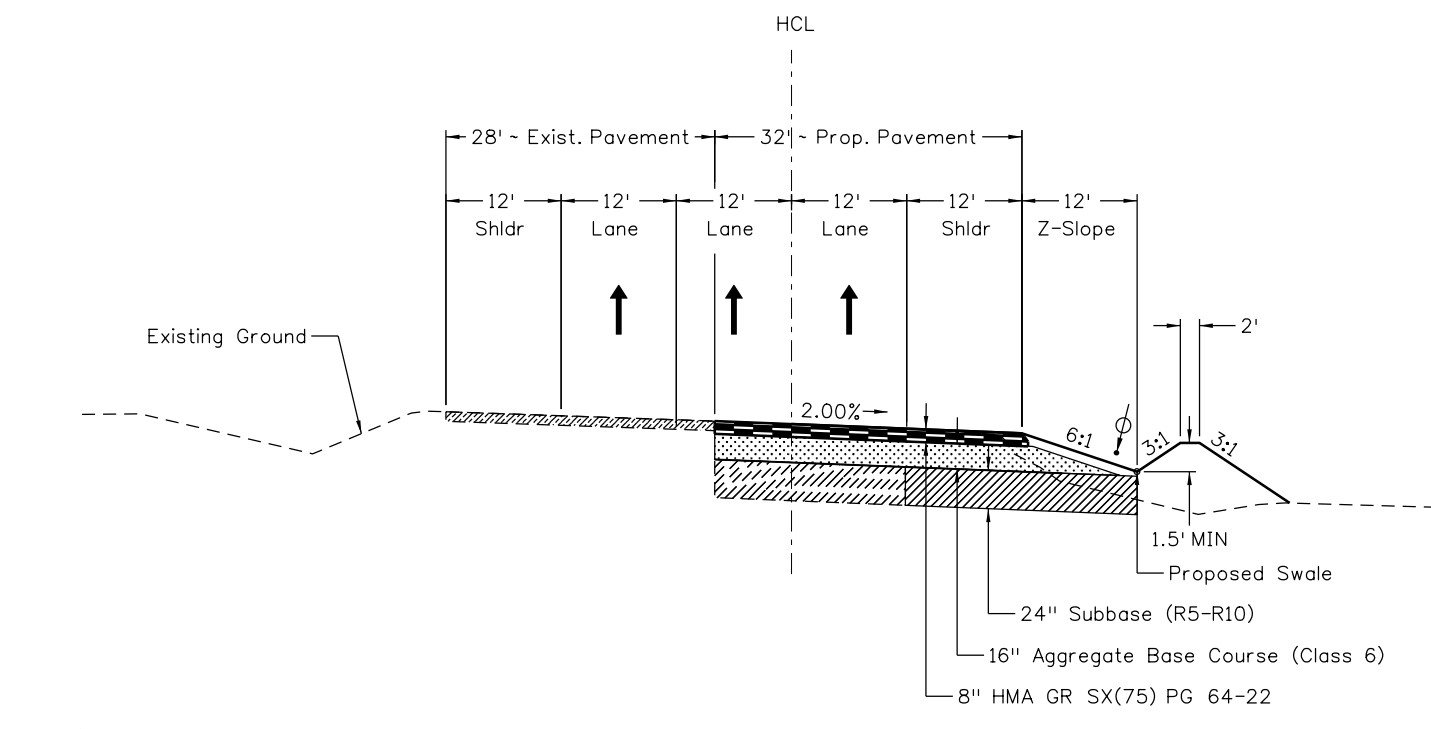
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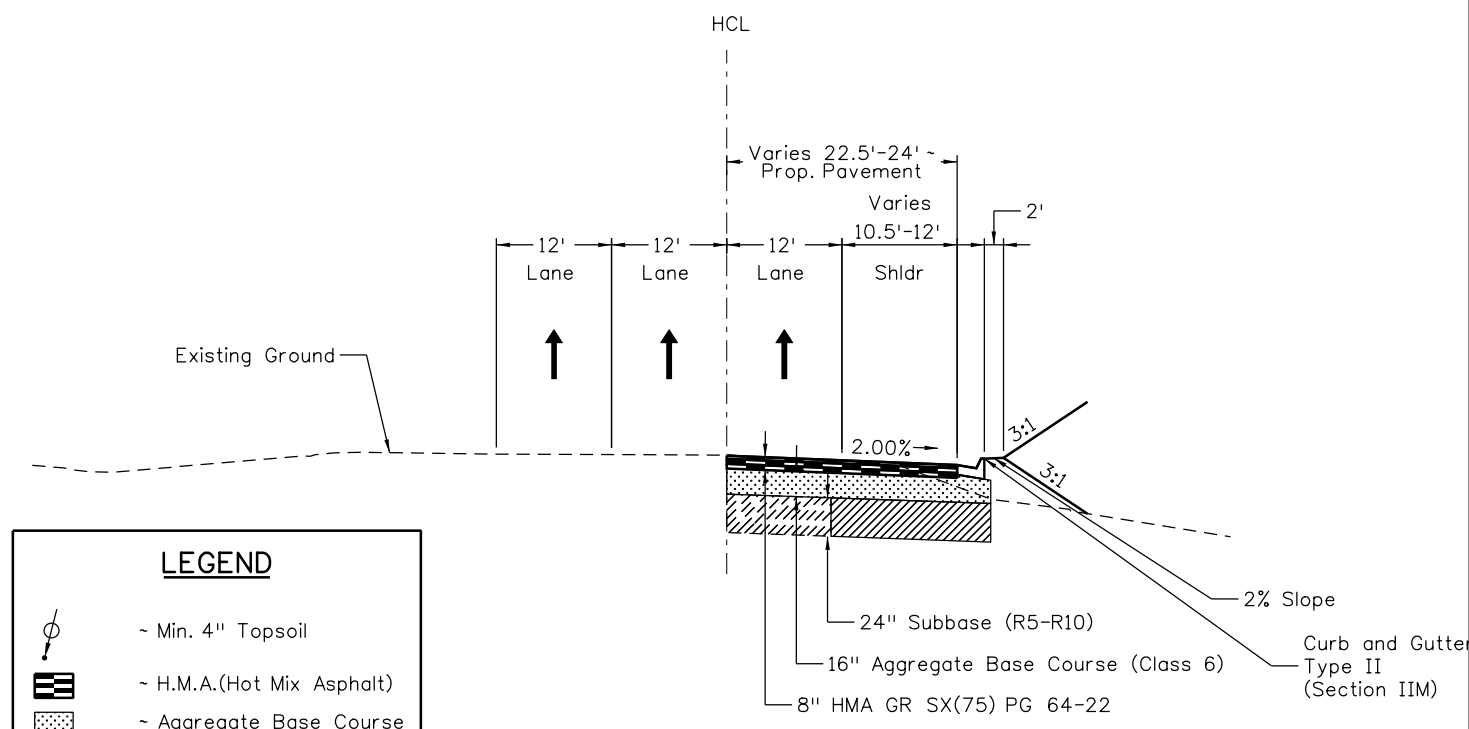
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STA 233+30 TO STA 239+80.27



**U.S. 50 TYPICAL SECTION**  
RAILROAD BRIDGE



**U.S. 50 TYPICAL SECTION**  
STA 231+50.82 TO STA 233+20.00



**U.S. 50 TYPICAL SECTION**  
STA 249+30.27 TO STA 260+43.45

**LEGEND**

- ~ Min. 4" Topsoil
- ~ H.M.A.(Hot Mix Asphalt)
- ~ Aggregate Base Course
- ~ Existing Subbase
- ~ Proposed Subbase

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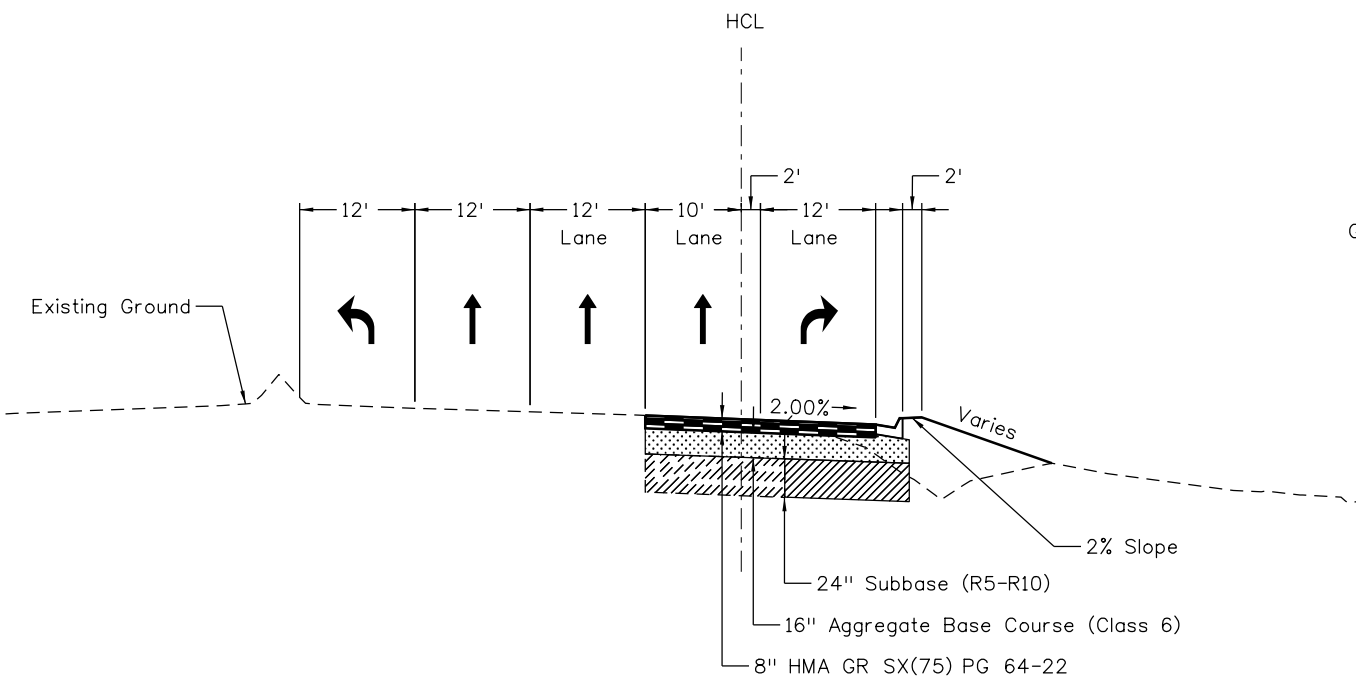
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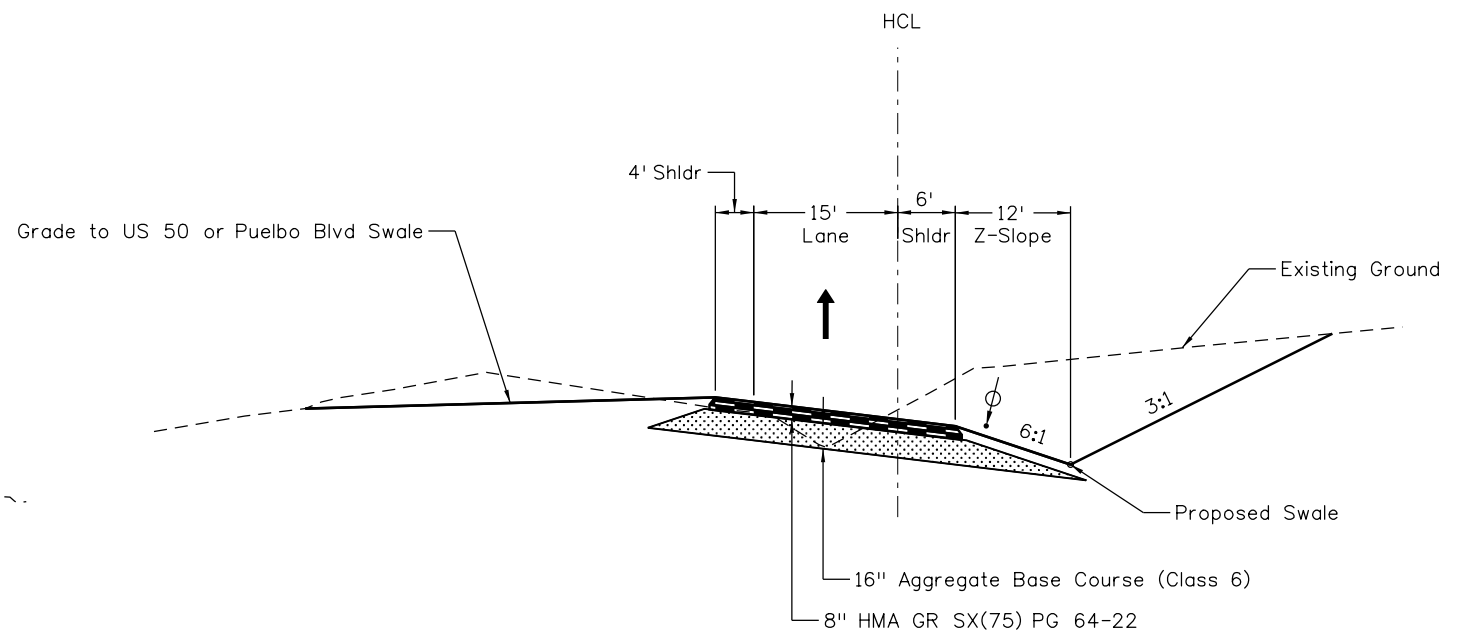
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**U.S. 50 TYPICAL SECTION**  
STA 261+43.45 TO STA 273+70.47



**RAMP TYPICAL SECTION**  
STA 402+91.78 TO STA 407+00.00  
STA 502+43.30 TO STA 506+00.00

LEGEND	
	~ Min. 4" Topsoil
	~ H.M.A.(Hot Mix Asphalt)
	~ Aggregate Base Course
	~ Existing Subbase
	~ Proposed Subbase

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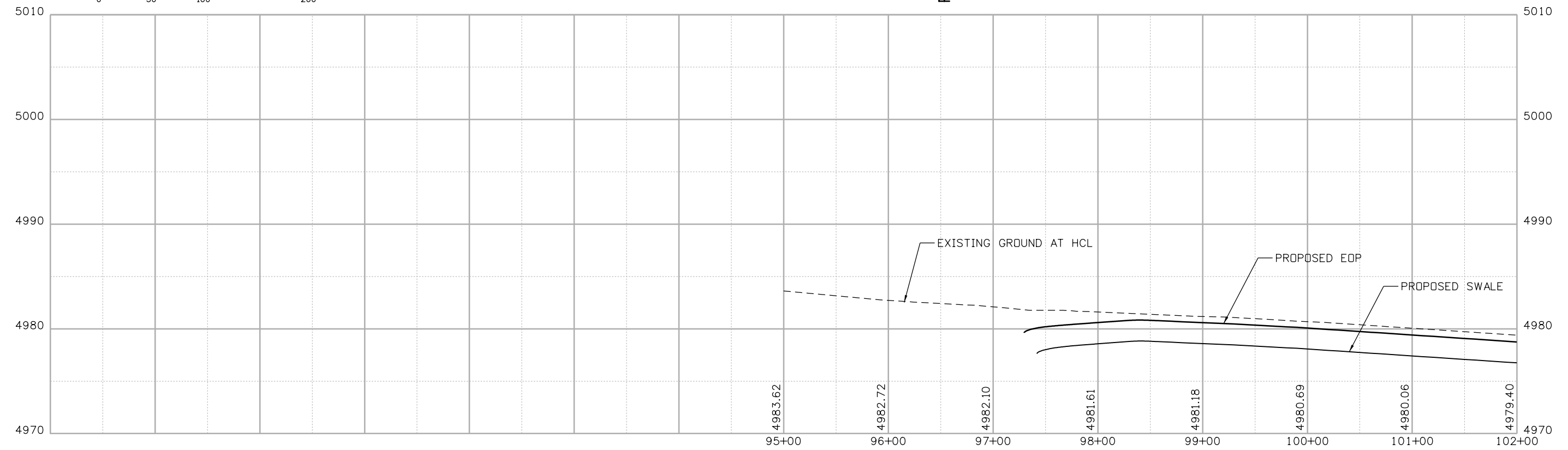
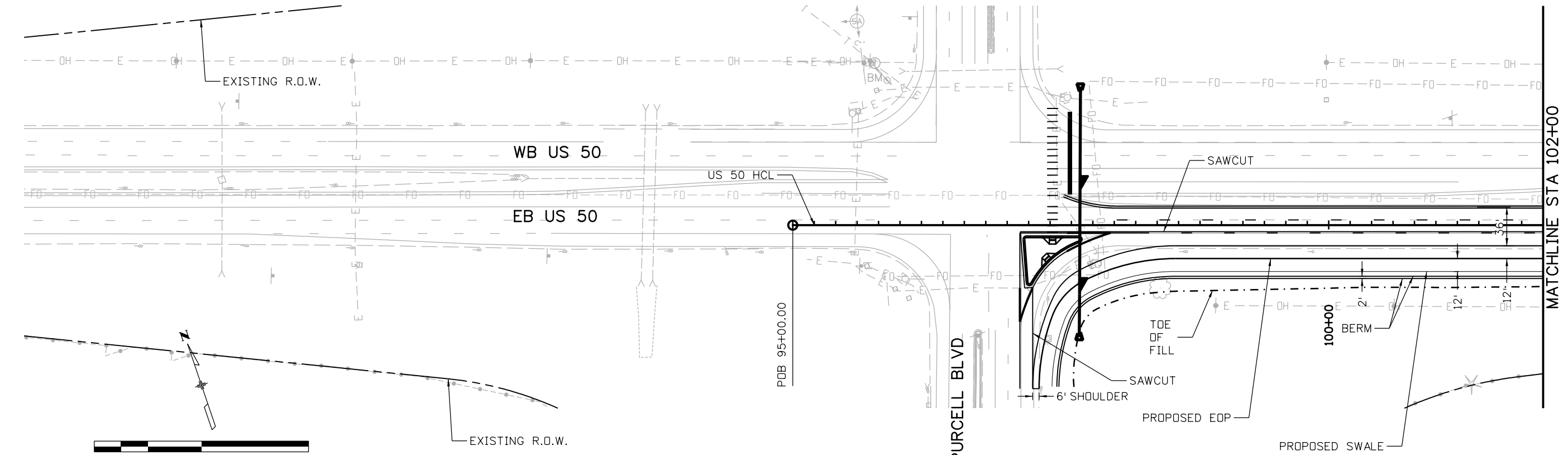
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US 50 WEST  
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 TYPICAL SECTIONS

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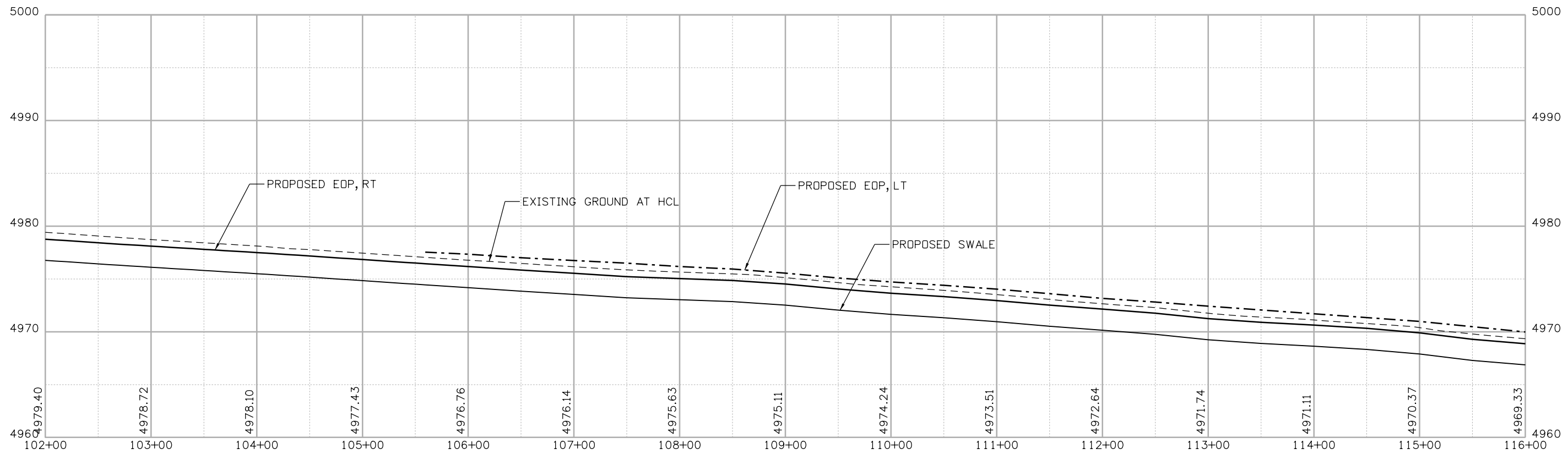
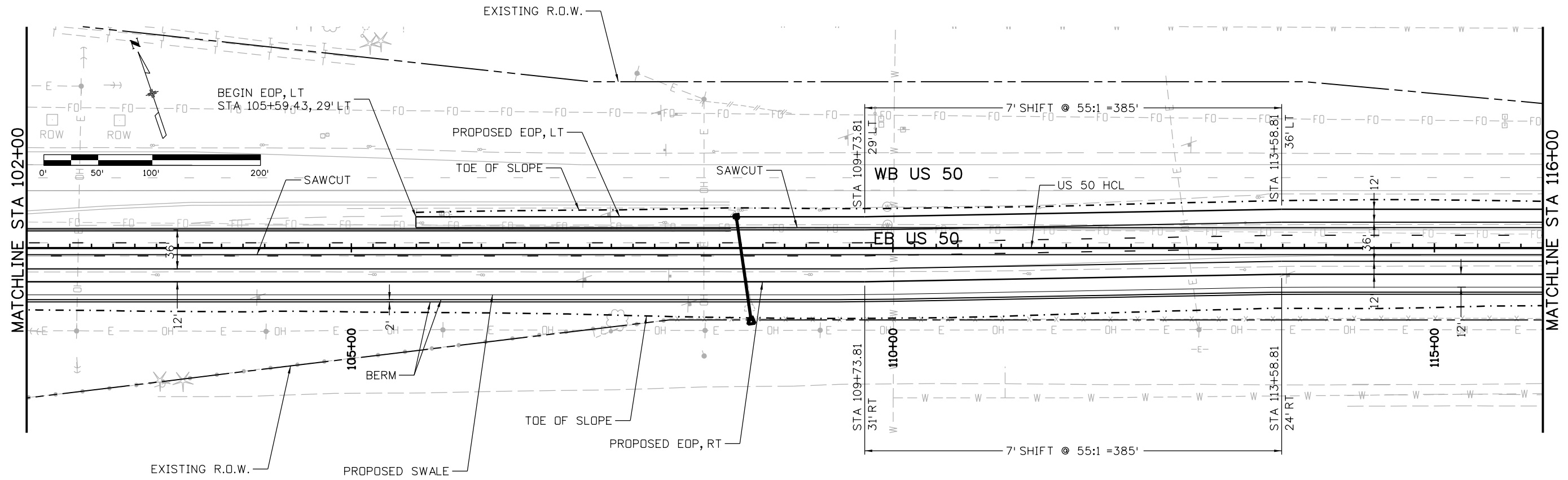
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PLAN AND PROFILE**

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STA 050A-022
19056
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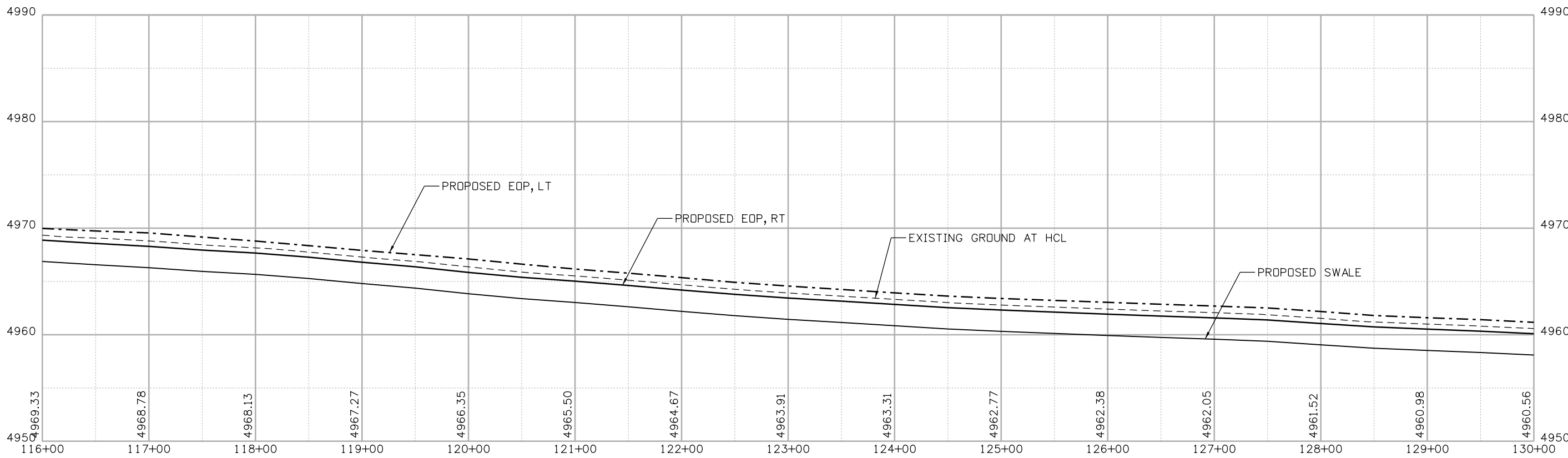
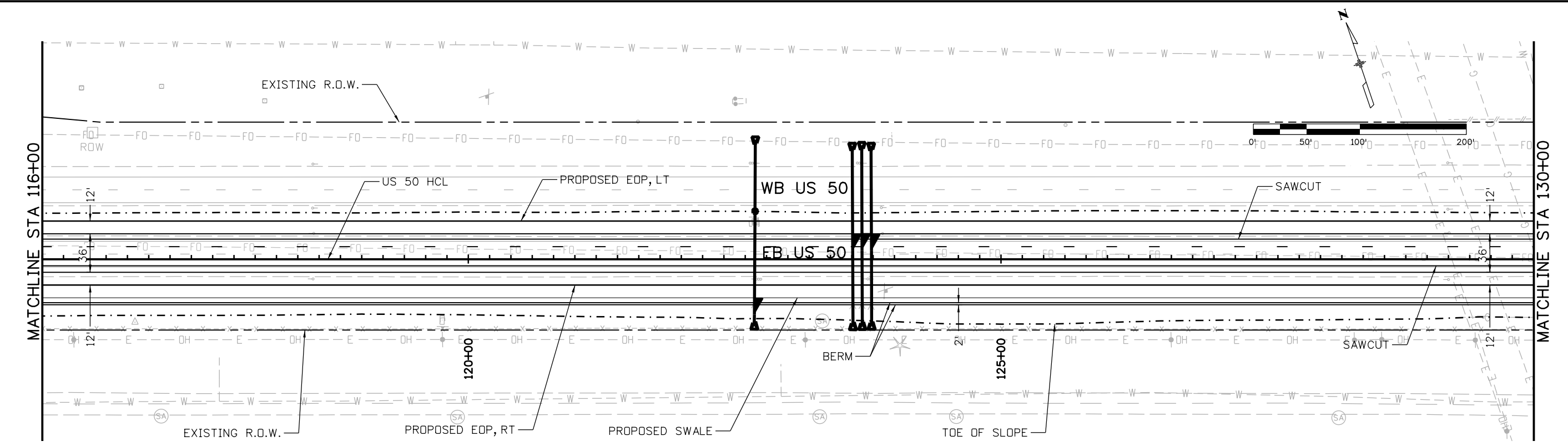
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19056
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**Region 2**

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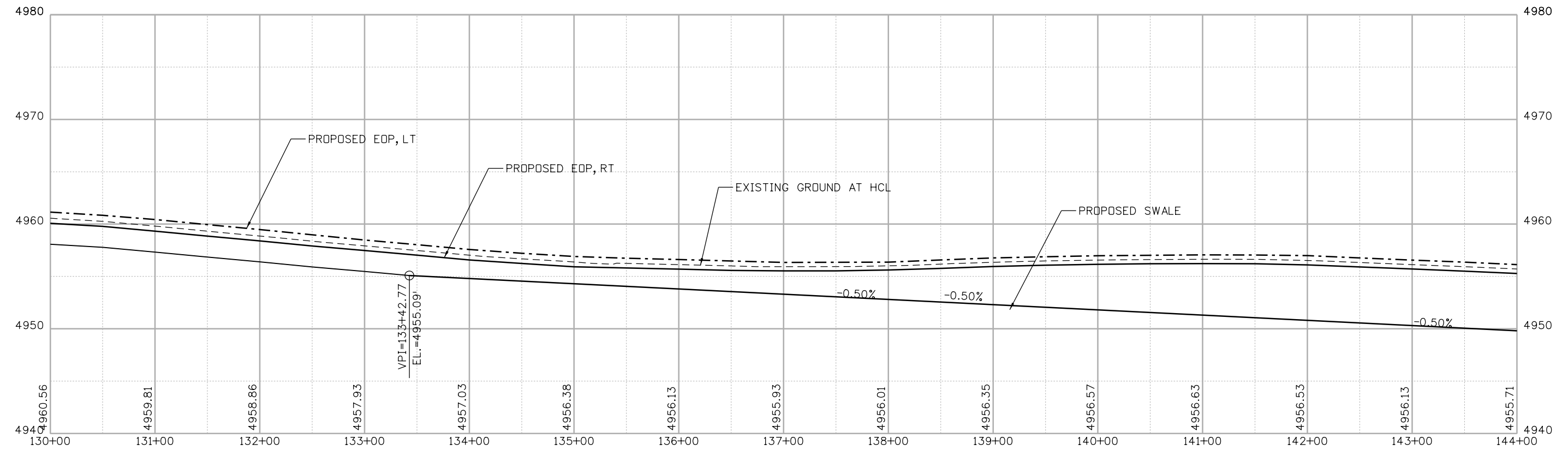
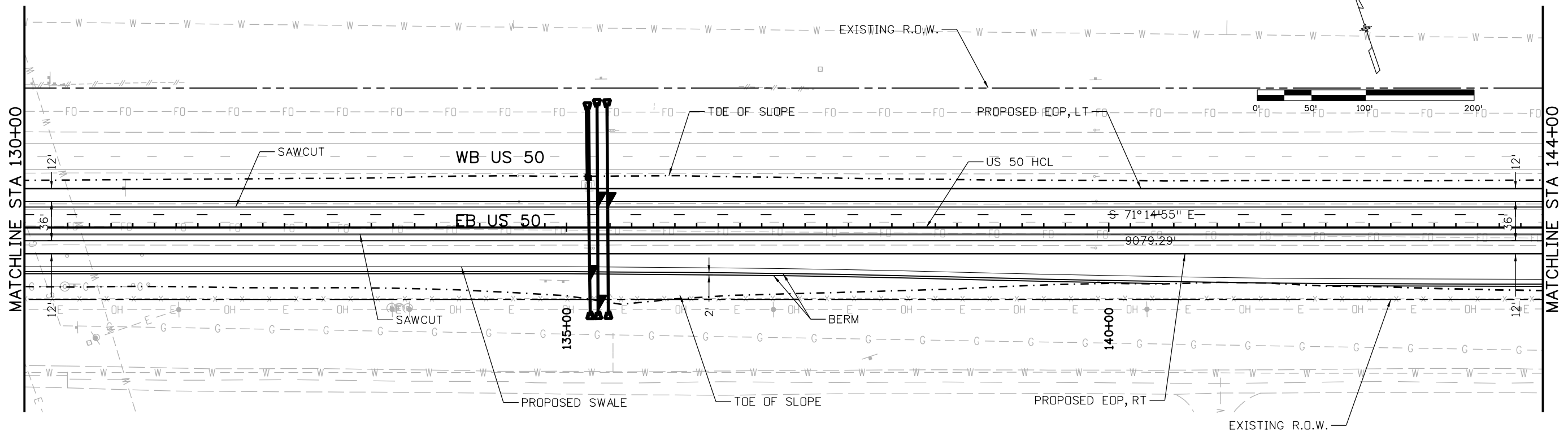
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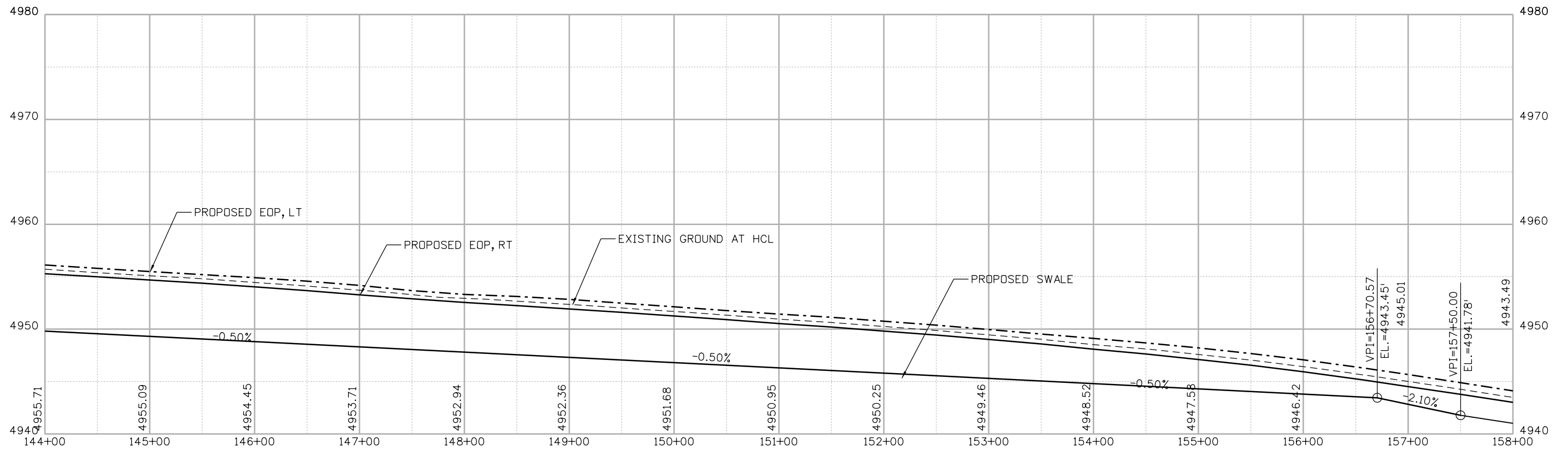
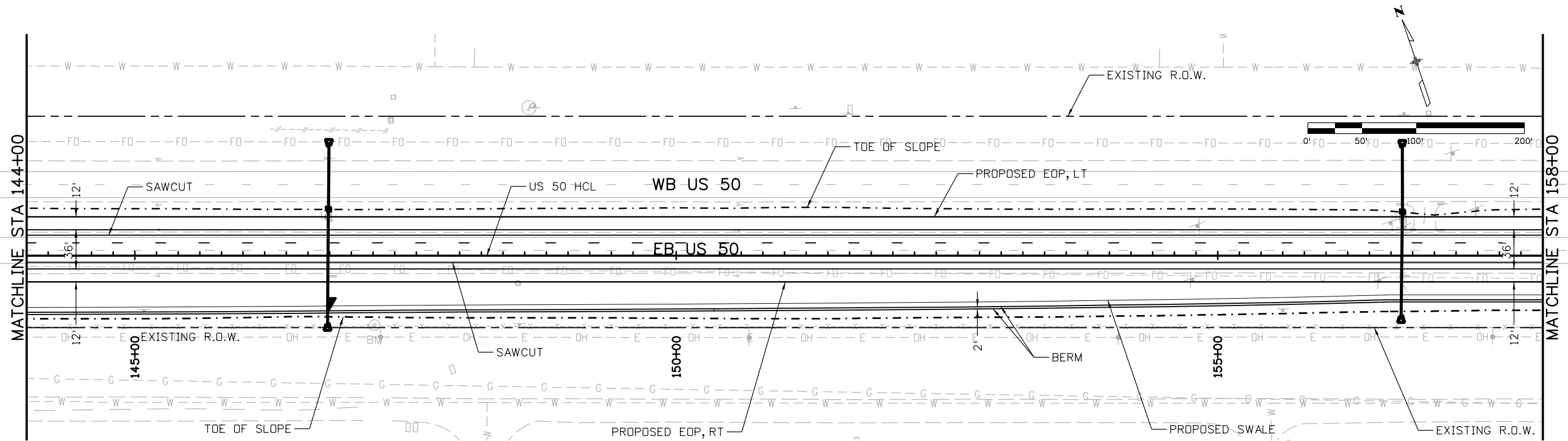
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 PLAN AND PROFILE**

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 STA 050A-022  
 19056  
 Sheet Number **32**

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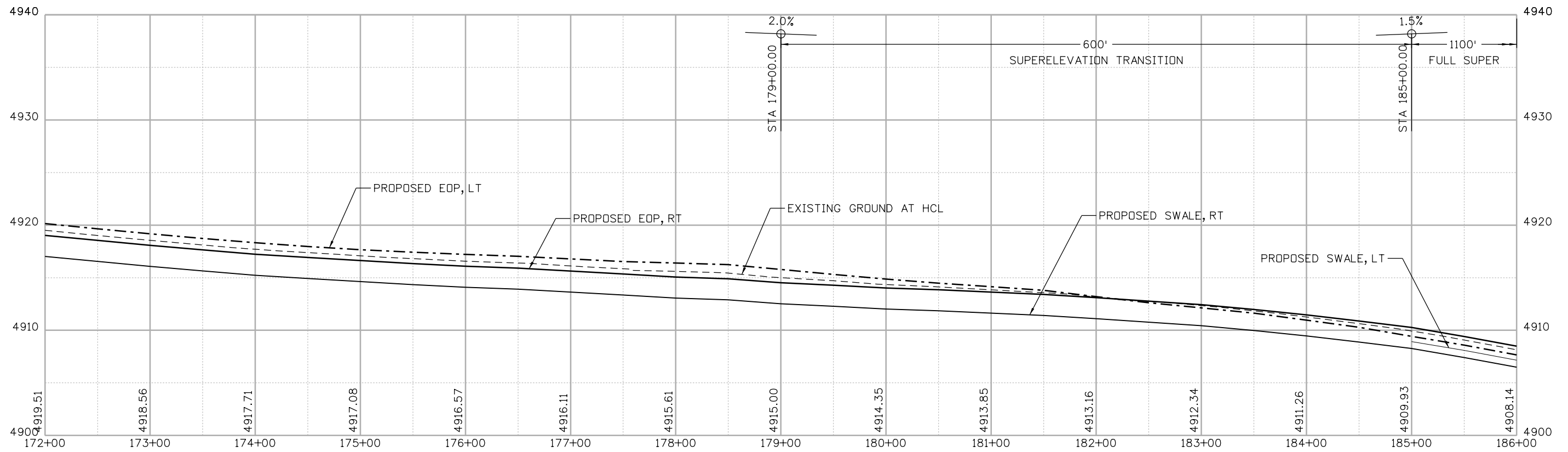
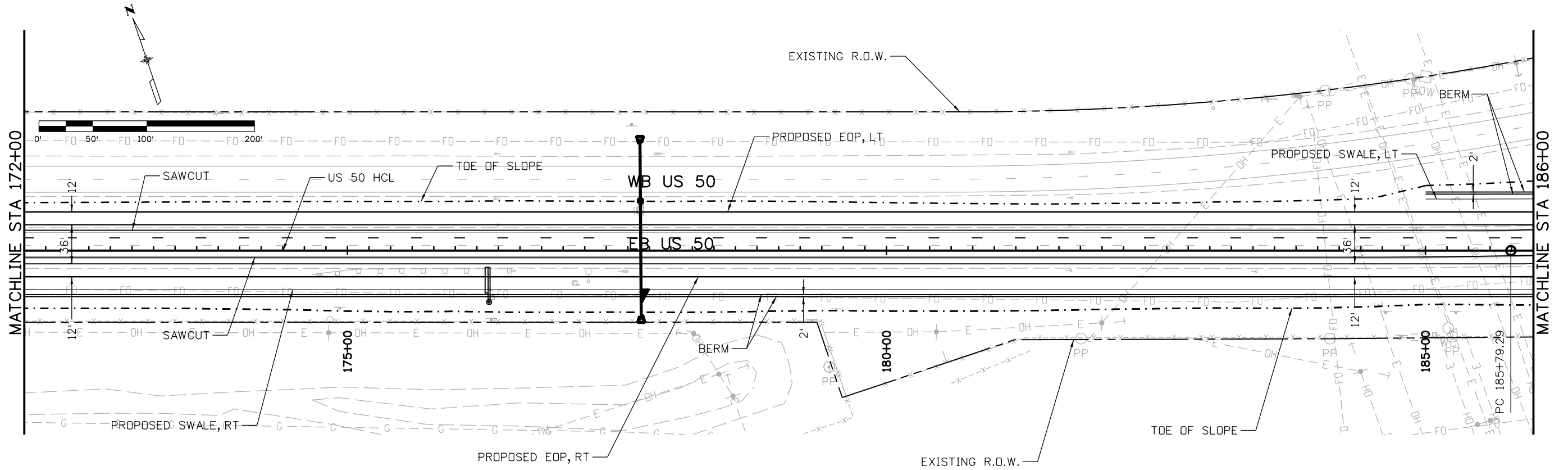
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STA 050A-022
19056
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**US 50 WEST  
 PURCELL BLVD. TO WILLS BLVD.  
 PLAN AND PROFILE**

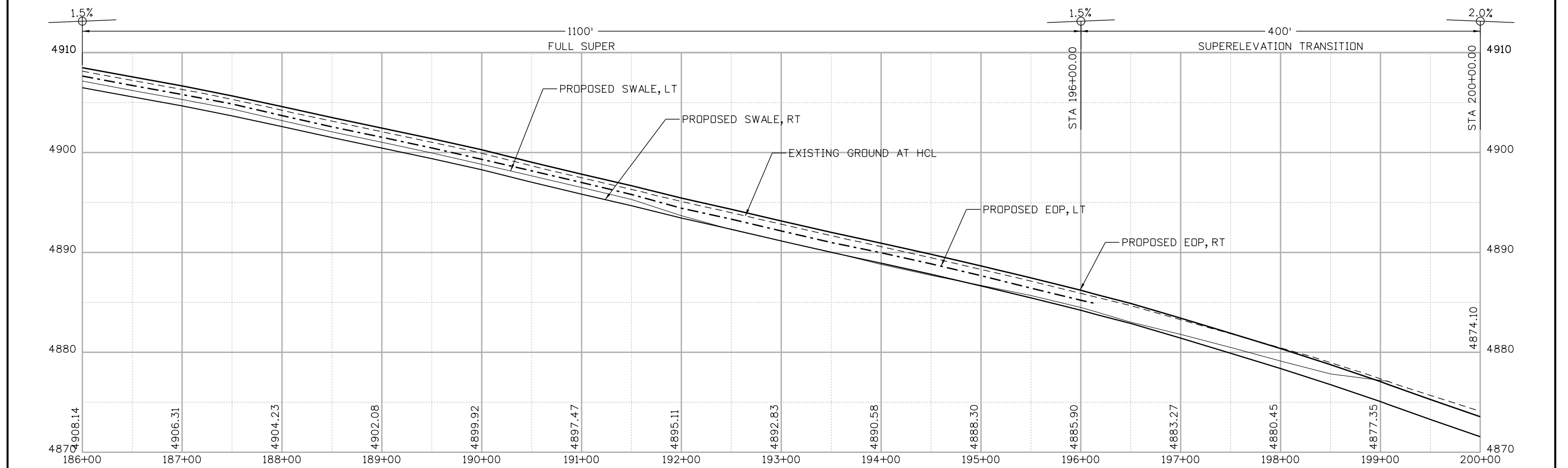
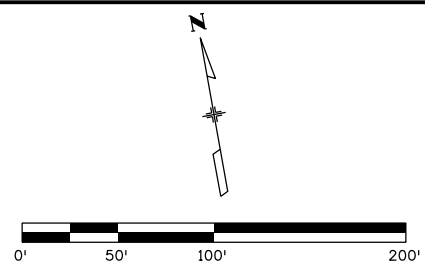
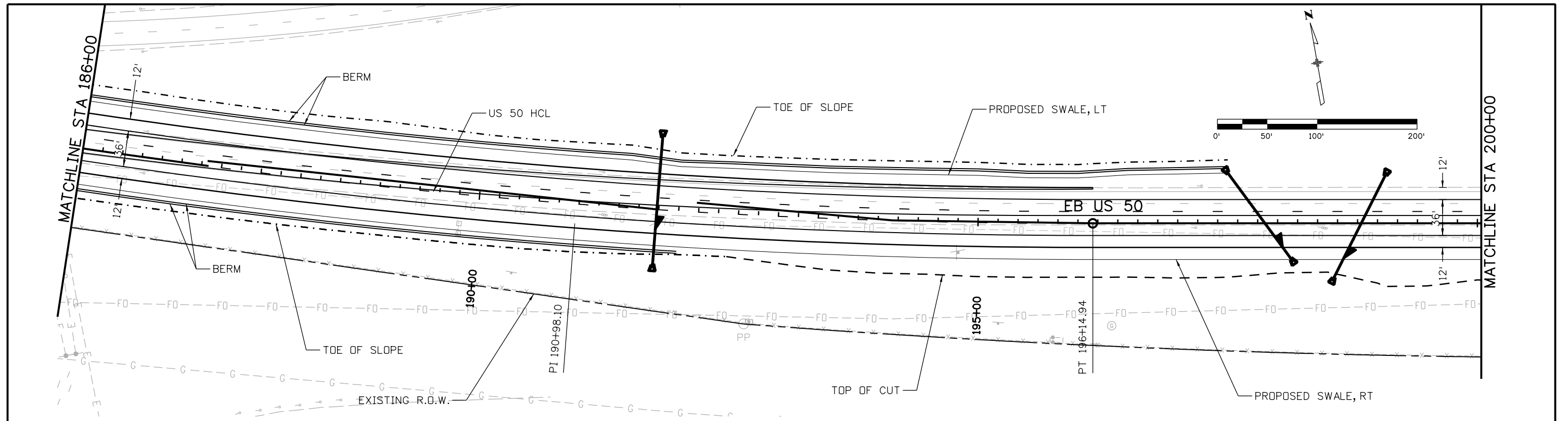
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 STA 050A-022

19056

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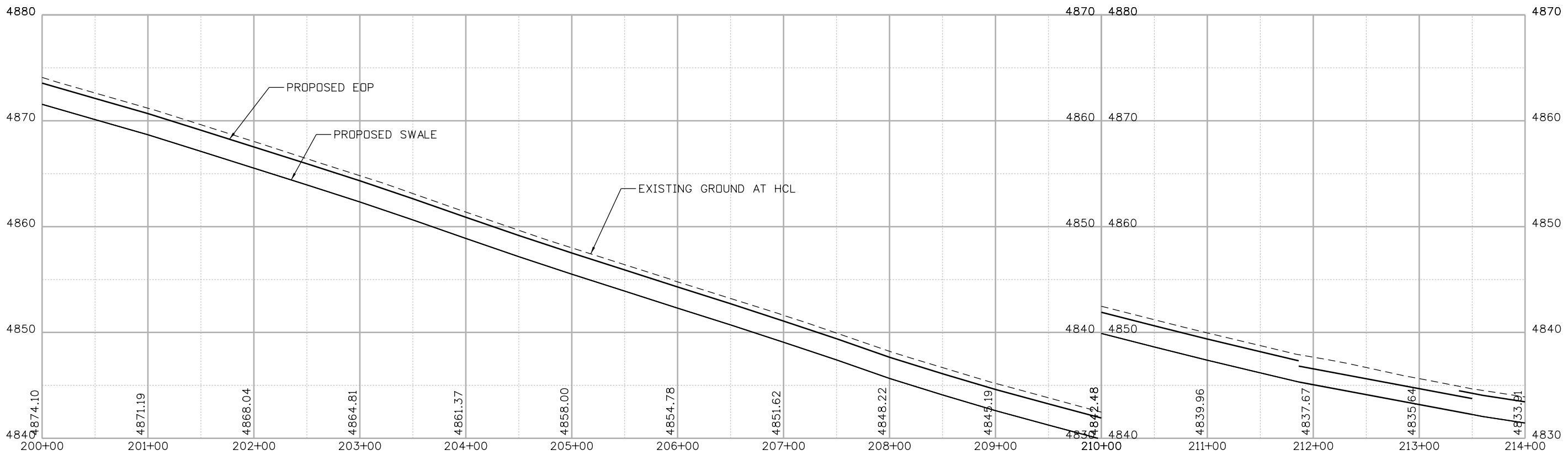
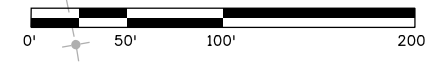
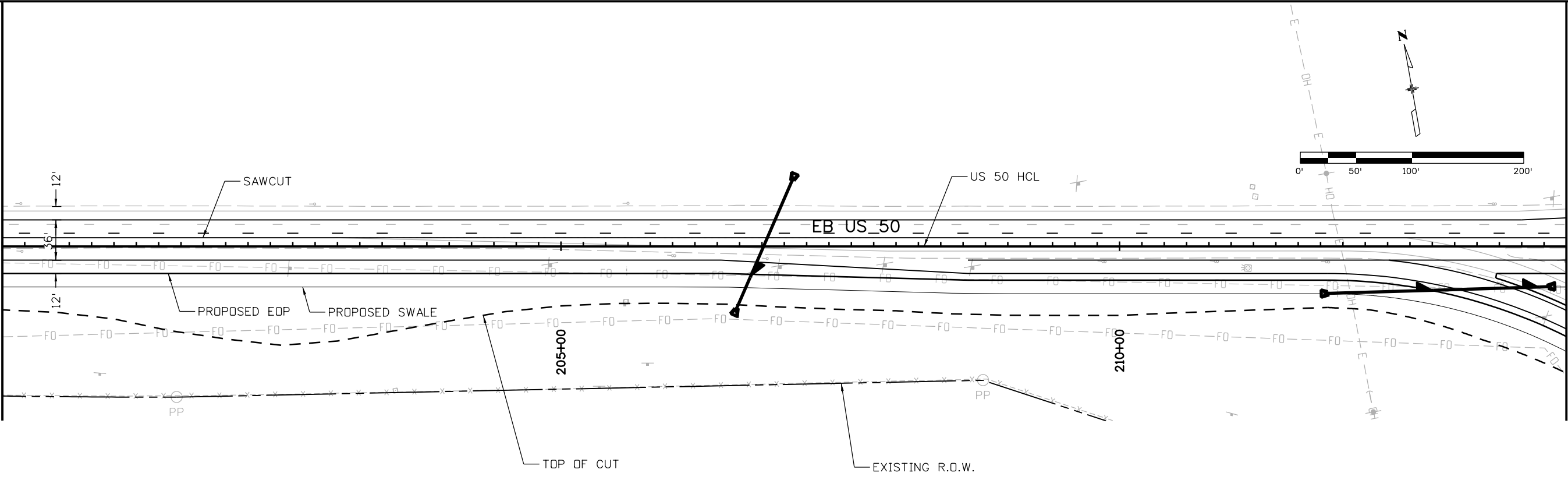
Structure Numbers  
 Subset Sheets: PP8 of 16

**Project No./Code**  
 STA 050A-022  
 19056  
 Sheet Number **36**

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MATCHLINE STA 200+00

MATCHLINE STA 214+00



Print Date: 12/10/2013  
 File Name: 19056DES\_PnP09.dgn  
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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 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:

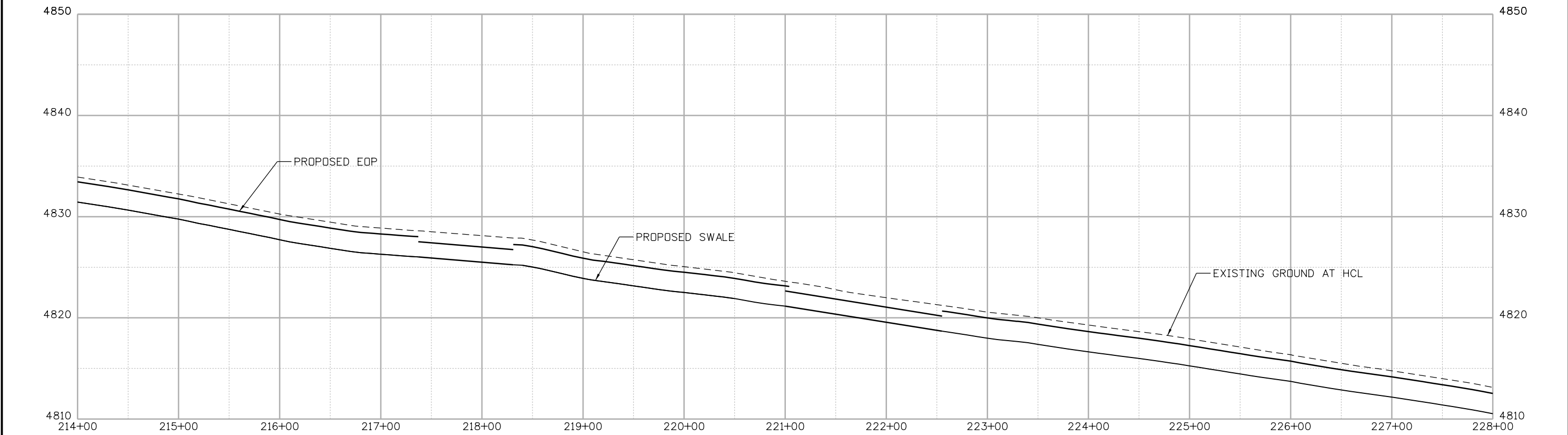
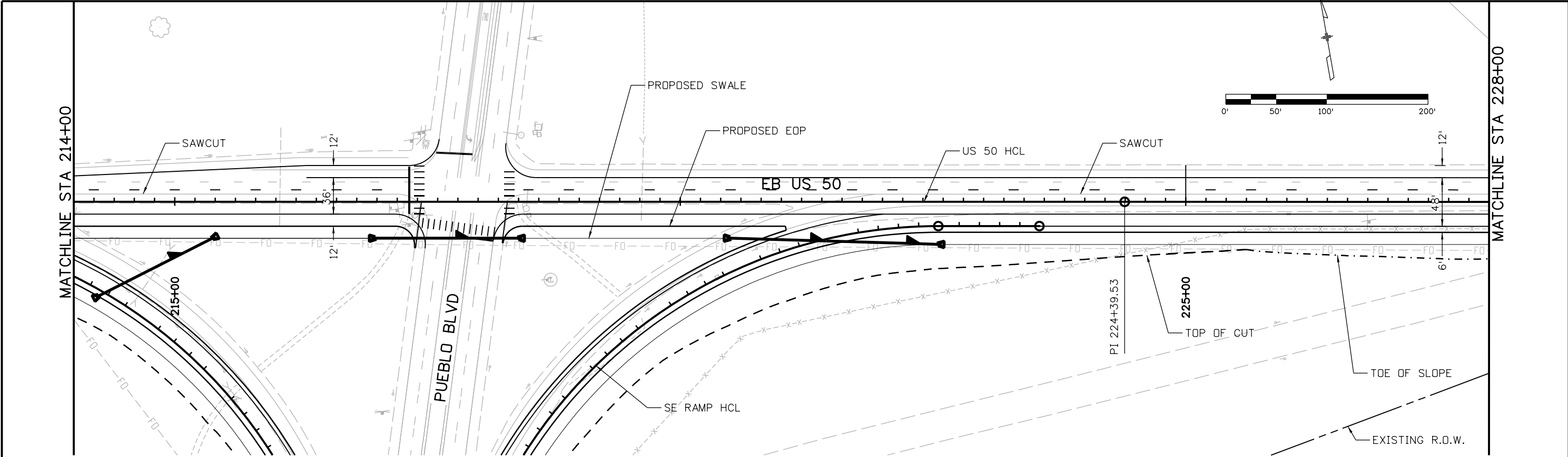
**US 50 WEST  
 PURCELL BLVD. TO WILLS BLVD.  
 PLAN AND PROFILE**

Designer: ACE  
 Detailer: ACE  
 Subset: PP

Structure Numbers  
 Subset Sheets: PP9 of 16

Project No./Code
STA 050A-022
19056
Sheet Number <b>37</b>

erfman 11:14:18 AM \\nas1\0900\Jobs\0940E\CDOT\_US50\_Design\04\_Design\19056\Design\Drawings\09\_Roadway\Plan and Profile\19056DES\_PnPI10.dgn



Print Date: 2/18/2014  
 File Name: 19056DES\_PnPI10.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  
 PURCELL BLVD. TO WILLS BLVD.  
 PLAN AND PROFILE**

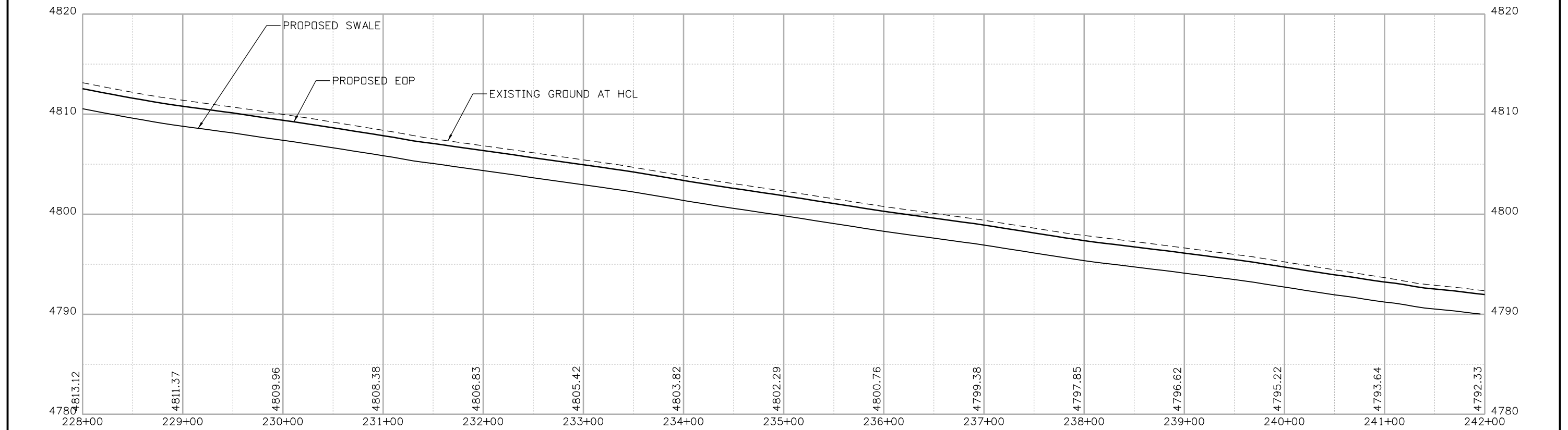
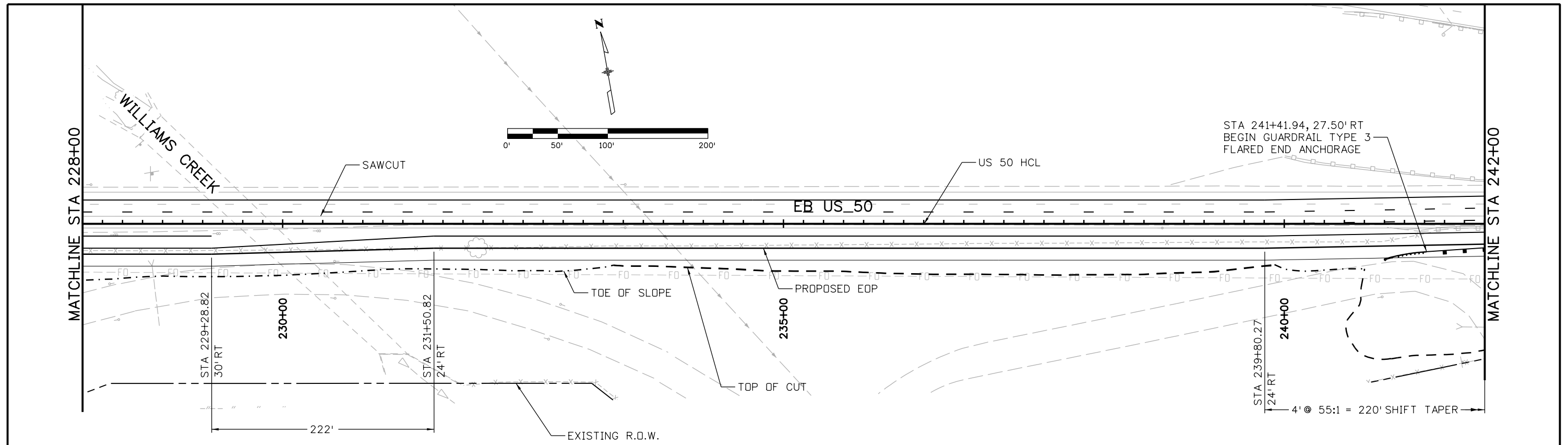
Designer: ACE  
 Detailer: ACE  
 Subset: PP

Structure Numbers  
 Subset Sheets: PP10 of 16

**Project No./Code**  
 STA 050A-022  
 19056  
 Sheet Number **38**



erfman 11:14:20 AM \\nas1\0900\_Jobs\0940E\_CDDT\_US50\_Design\04\_Design\19056\_Design\Drawings\09\_Roadway\_Plan and Profile\19056DES\_PnPl1.dgn



Print Date: 2/18/2014  
 File Name: 19056DES\_PnPl1.dgn  
 Horiz. Scale: 1:100 Vert. Scale: As Noted

Sheet Revisions		
Date:	Comments	Init.

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 No Revisions:  
 Revised:  
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US 50 WEST  
 PURCELL BLVD. TO WILLS BLVD.  
 PLAN AND PROFILE

Designer: ACE  
 Detailer: ACE  
 Subset: PP

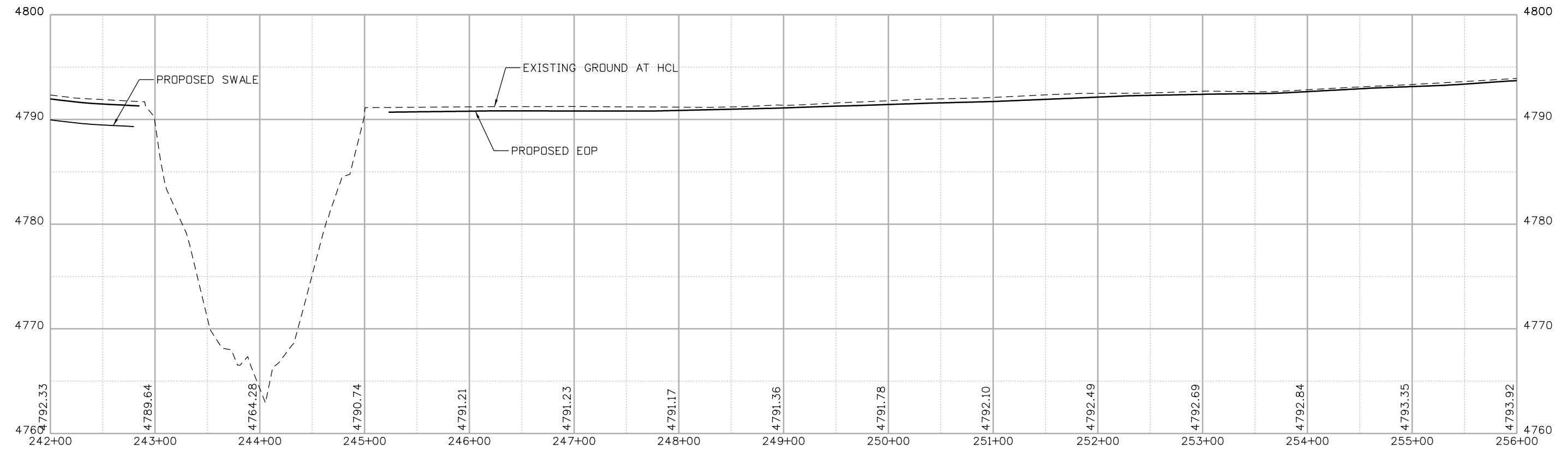
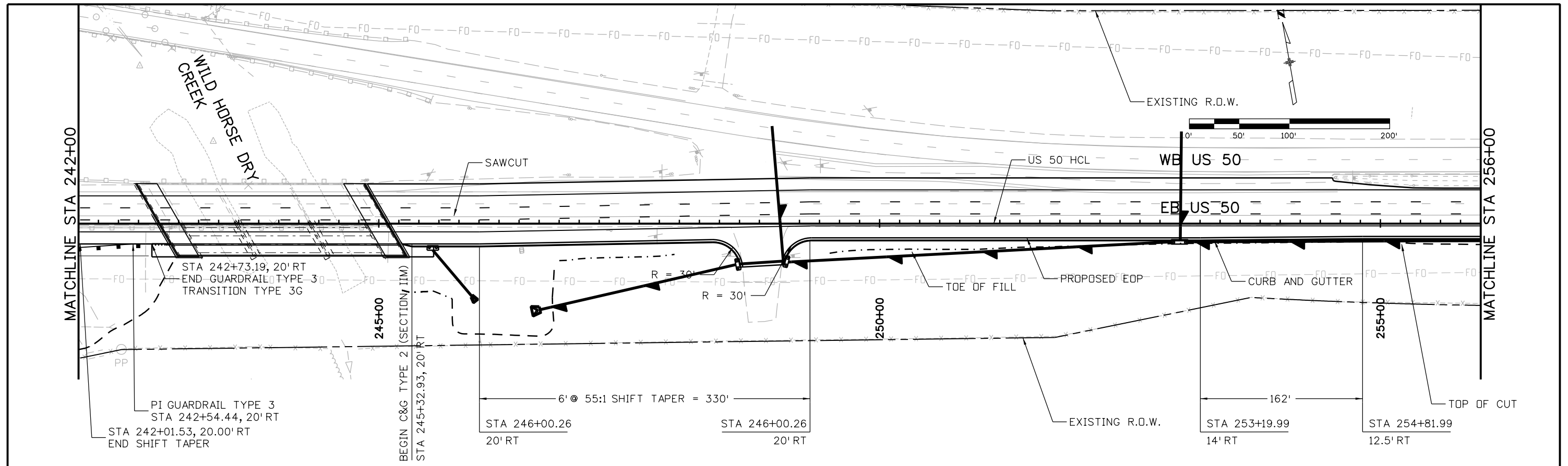
Structure Numbers  
 Subset Sheets: PP11 of 16

Project No./Code  
 STA 050A-022  
 19056  
 Sheet Number **39**



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erfman 11:14:21 AM \\nas1\0900\_jobs\0940E\_CDDT\_US50\_Design\04\_Design\19056\_Design\Drawings\09\_Roadway\_Plan and Profile\19056DES\_PnP12.dgn



Print Date: 2/18/2014  
 File Name: 19056DES\_PnP12.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:

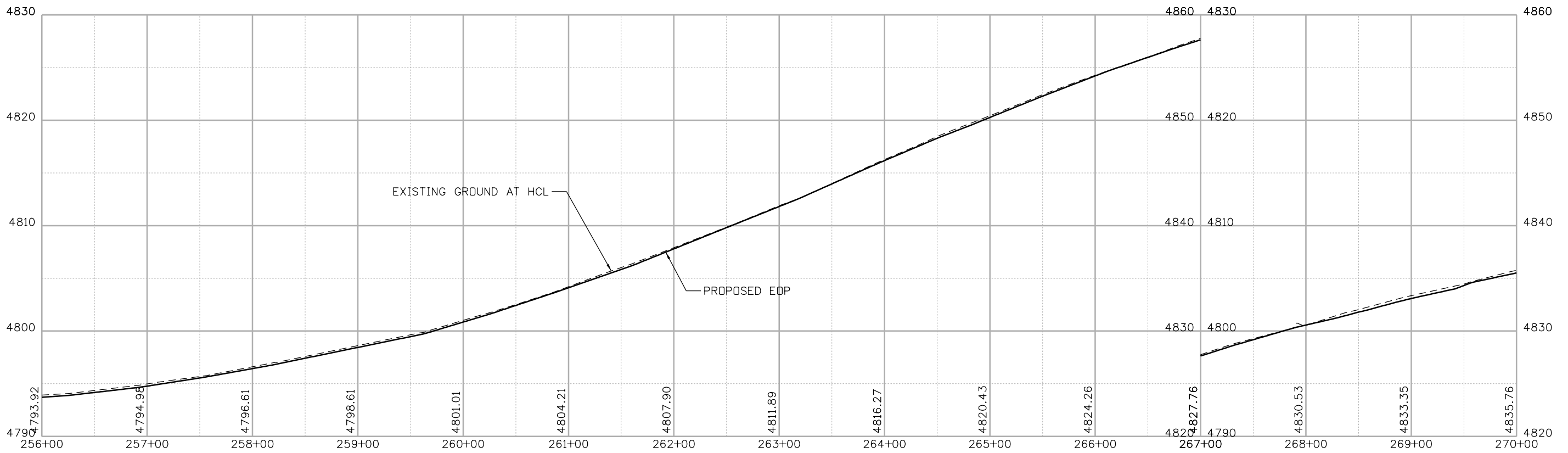
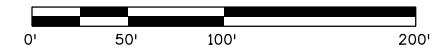
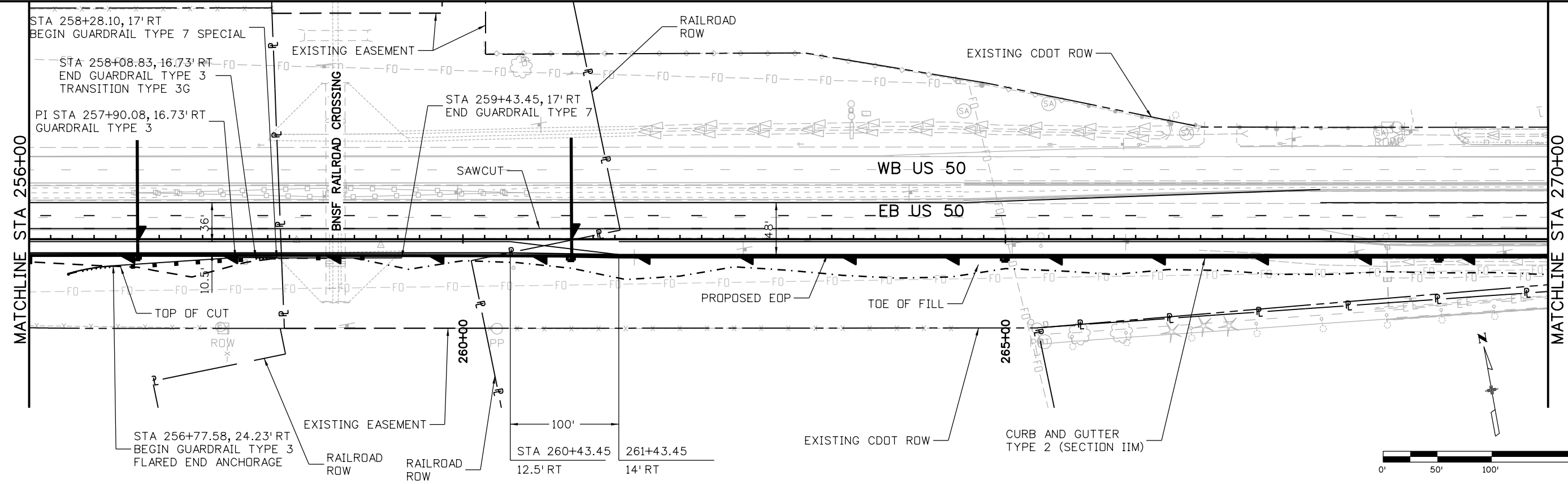
**US 50 WEST  
 PURCELL BLVD. TO WILLS BLVD.  
 PLAN AND PROFILE**

Designer: ACE  
 Detailer: ACE  
 Subset: PP

Structure Numbers  
 Subset Sheets: PP12 of 16

Project No./Code  
 STA 050A-022  
 19056  
 Sheet Number **40**

SDas 4:05:58 PM \\Nas1\0900\_jobs\0940E\_CDDT\_US50\_Design\04\_Design\19056\_Design\Drawings\09\_Roadway Plan and Profile\19056DES\_PnP13.dgn



Print Date: 12/10/2013  
 File Name: 19056DES\_PnP13.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  
 PURCELL BLVD. TO WILLS BLVD.  
 PLAN AND PROFILE**

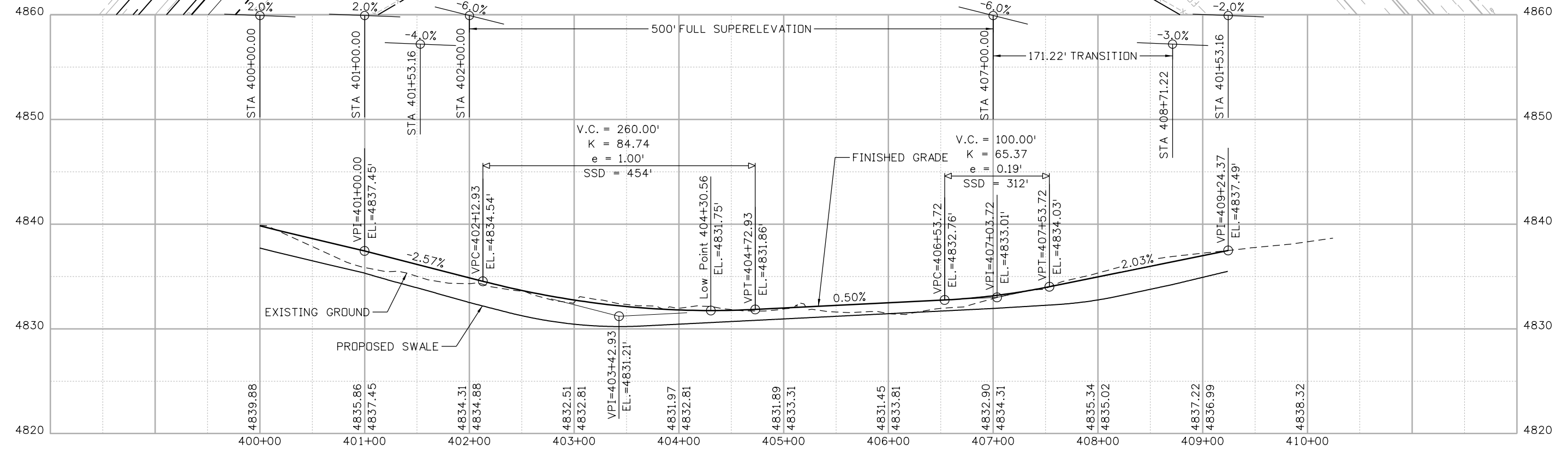
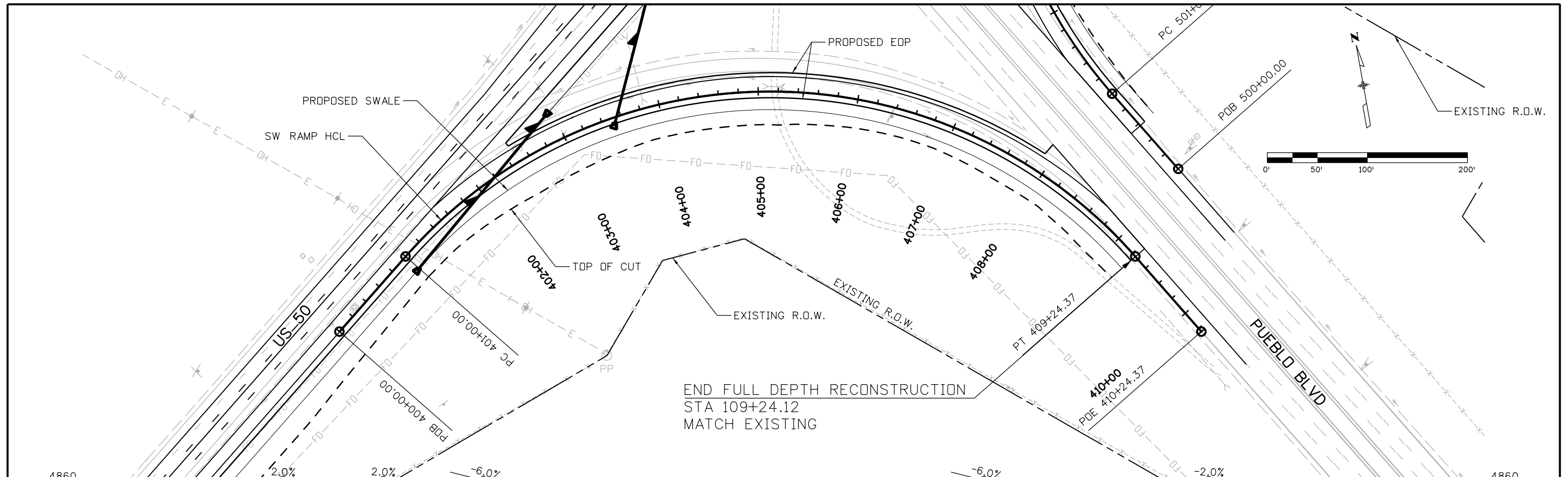
Designer: ACE  
 Detailer: ACE  
 Subset: PP

Structure Numbers  
 Subset Sheets: PP13 of 16

Project No./Code  
 STA 050A-022  
 19056  
 Sheet Number **41**



SDas 4:06:05 PM \\nas1\0900\_jobs\0940E\_CDDT\_US50\_Design\04\_Design\19056\_Design\Drawings\09\_Roadway Plan and Profile\19056DES\_PnP15.dgn



Print Date: 12/10/2013  
 File Name: 19056DES\_PnP15.dgn  
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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Sheet Revisions		
Date:	Comments	Init.

**Colorado Department of Transportation**

**DOT**  
 DEPARTMENT OF TRANSPORTATION

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**Region 2** **DTD**

**As Constructed**

No Revisions:  
 Revised:  
 Void:

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

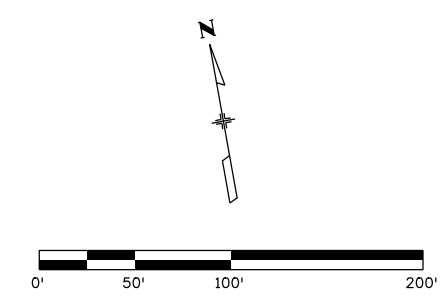
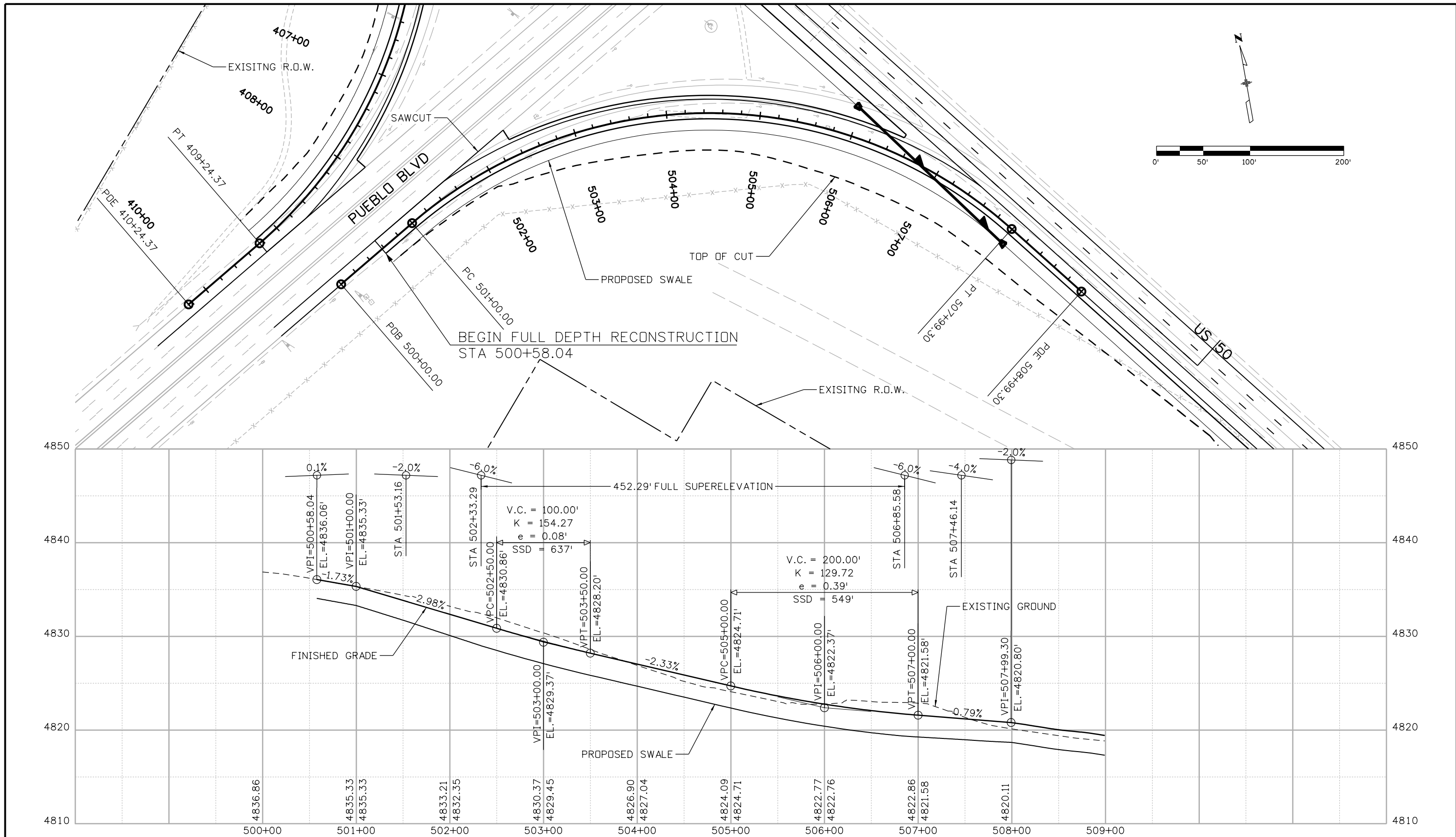
Designer: ACE Structure Numbers  
 Detailer: ACE  
 Subset: PP Subset Sheets: PP15 of 16

**Project No./Code**  
 STA 050A-022

19056

Sheet Number **43**

erfman 11/14/23 AM \\Nasi\0900\_Jobs\0940E\_CDDT\_US50\_Design\04\_Design\19056\_Design\Drawings\09\_Roadway Plan and Profile\19056DES\_PnPl6.dgn



Print Date: 2/18/2014

File Name: 19056DES\_PnPl6.dgn  
 Horiz. Scale: 1:100      Vert. Scale: As Noted

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Sheet Revisions		
Date:	Comments	Init.

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 Phone: 719-562-5509    FAX: 719-546-5702  
 Region 2      DTD

As Constructed  
 No Revisions:  
 Revised:  
 Void:

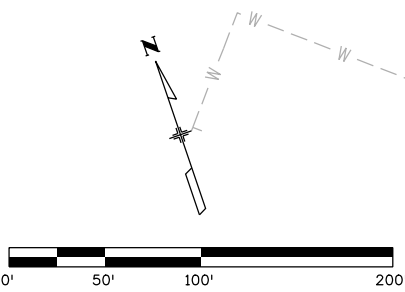
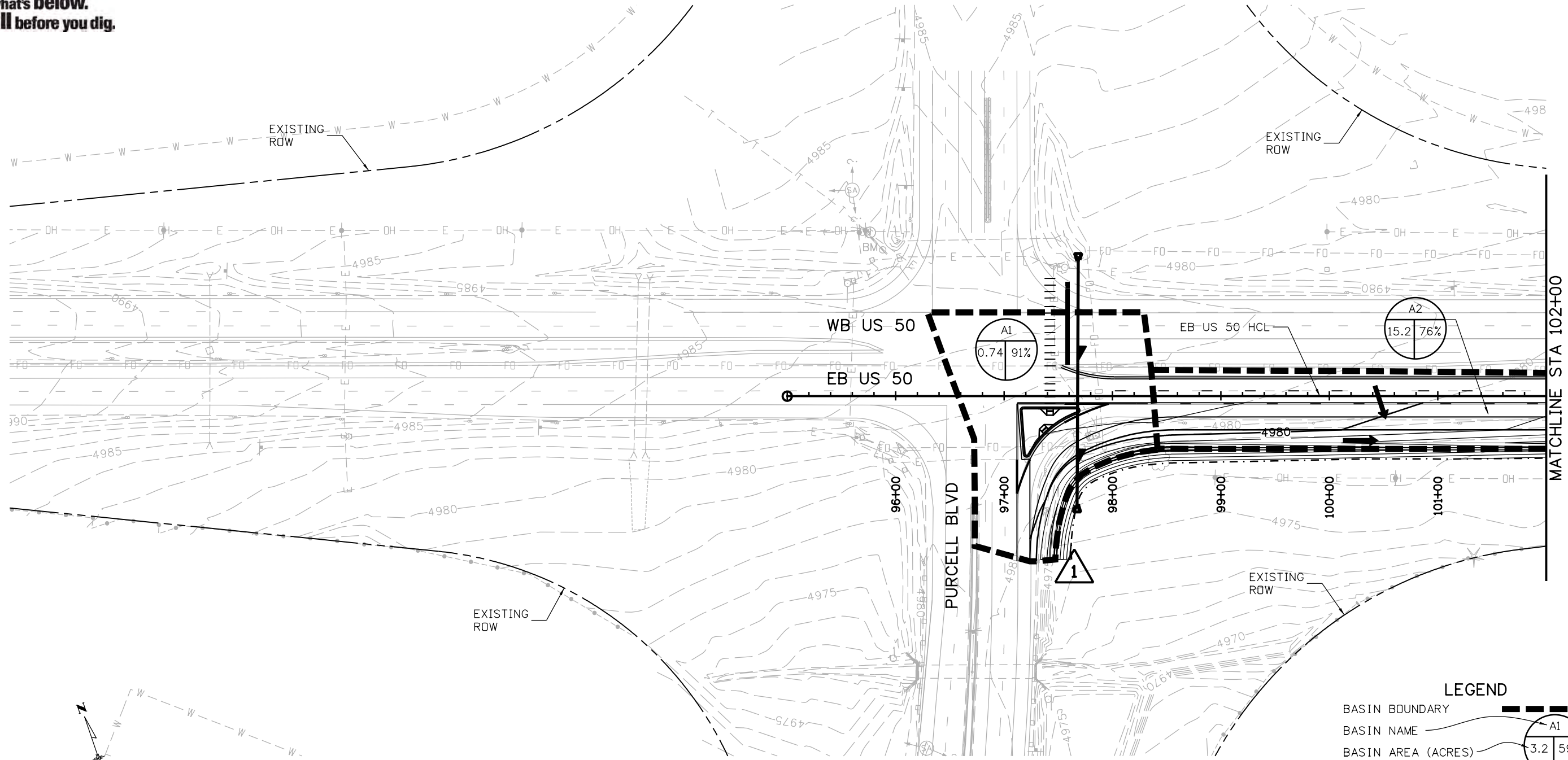
US 50 WEST  
 PURCELL BLVD. TO WILLS BLVD.  
 PLAN AND PROFILE

Designer:	ACE	Structure	
Detailer:	ACE	Numbers	
Subset:	PP	Subset Sheets:	PP16 of 16

Project No./Code  
 STA 050A-022  
 19056  
 Sheet Number **44**



Know what's below.  
Call before you dig.



**LEGEND**

- BASIN BOUNDARY: [Dashed line symbol]
- BASIN NAME: [Circle with 'A1' symbol]
- BASIN AREA (ACRES): [Circle with '3.2 59%' symbol]
- BASIN % IMPERVIOUS: [Circle with '15.2 76%' symbol]
- DESIGN POINT: [Triangle with '1' symbol]
- DIRECTION OF FLOW: [Arrow symbol]

RUNOFF SUMMARY TABLE			
BASIN	AREA (ACRES)	2 YEAR RUNOFF	100 YEAR RUNOFF
A1	0.74	1.67	4.49
A2	15.20	9.92	30.69

Print Date: 12/10/2013  
 File Name: 19056\_HYD-Basin-Sheet01.dgn  
 Horiz. Scale: 1:100      Vert. Scale:  
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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  
**DRAINAGE BASIN & GRADING PLANS**  
 95+00.00 TO 102+00.00

Designer: LM    Structure Numbers  
 Detailer: LM  
 Subset: Drainage    Subset Sheets: DP1 of 14

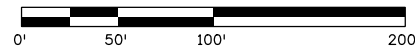
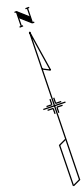
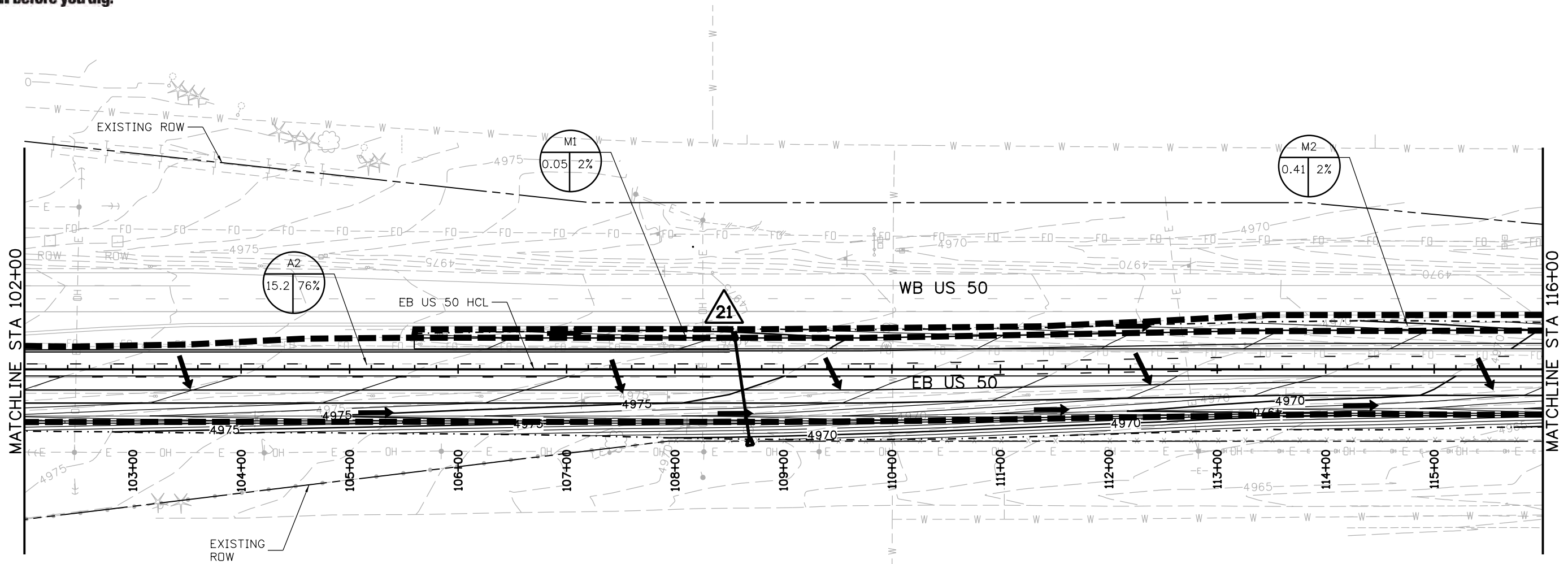
Project No./Code  
 STA 050A-022  
 19056  
 Sheet Number **49**

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Know what's below.  
Call before you dig.



**LEGEND**

- BASIN BOUNDARY
- BASIN NAME
- BASIN AREA (ACRES)
- BASIN % IMPERVIOUS
- DESIGN POINT
- DIRECTION OF FLOW

BASIN	AREA (ACRES)	2 YEAR RUNOFF	100 YEAR RUNOFF
A2	15.20	9.92	30.69
M1	0.05	0.01	0.18
M2	0.41	0.06	1.17

Print Date: 12/10/2013  
 File Name: 19056\_HYD-Basin-Sheet02.dgn  
 Horiz. Scale: 1:100      Vert. Scale:

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Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

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Region 2      DTD

As Constructed

No Revisions:

Revised:

Void:

US 50 WEST  
 DRAINAGE BASIN & GRADING PLANS  
 102+00.00 TO 116+00.00

Designer: LM      Structure Numbers  
 Detailer: LM  
 Subset: Drainage      Subset Sheets: DR2 of 14

Project No./Code

STA 050A-022

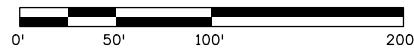
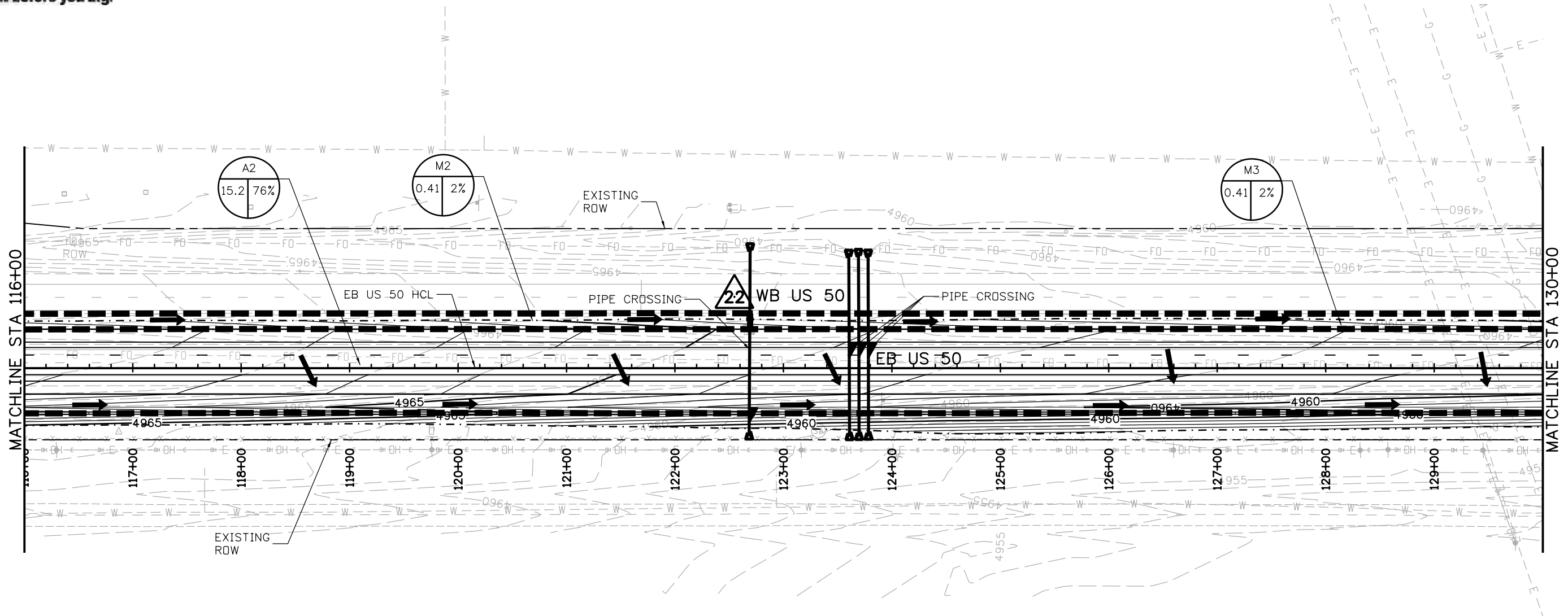
19056

Sheet Number **50**

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**LEGEND**

- BASIN BOUNDARY
- BASIN NAME
- BASIN AREA (ACRES)
- BASIN % IMPERVIOUS
- DESIGN POINT
- DIRECTION OF FLOW

BASIN	AREA (ACRES)	2 YEAR RUNOFF	100 YEAR RUNOFF
A2	15.20	9.92	30.69
M2	0.41	0.06	1.17
M3	0.41	0.06	1.20

Print Date: 12/10/2013  
 File Name: 19056\_HYD-Basin-Sheet03.dgn  
 Horiz. Scale: 1:100      Vert. Scale:  
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Sheet Revisions		
Date:	Comments	Init.

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As Constructed
No Revisions:
Revised:
Void:

US 50 WEST  
 DRAINAGE BASIN & GRADING PLANS  
 116+00.00 TO 130+00.00

Designer: LM	Structure Numbers
Detailer: LM	
Subset: Drainage	Subset Sheets: DR3 of 14

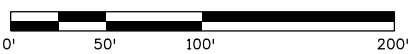
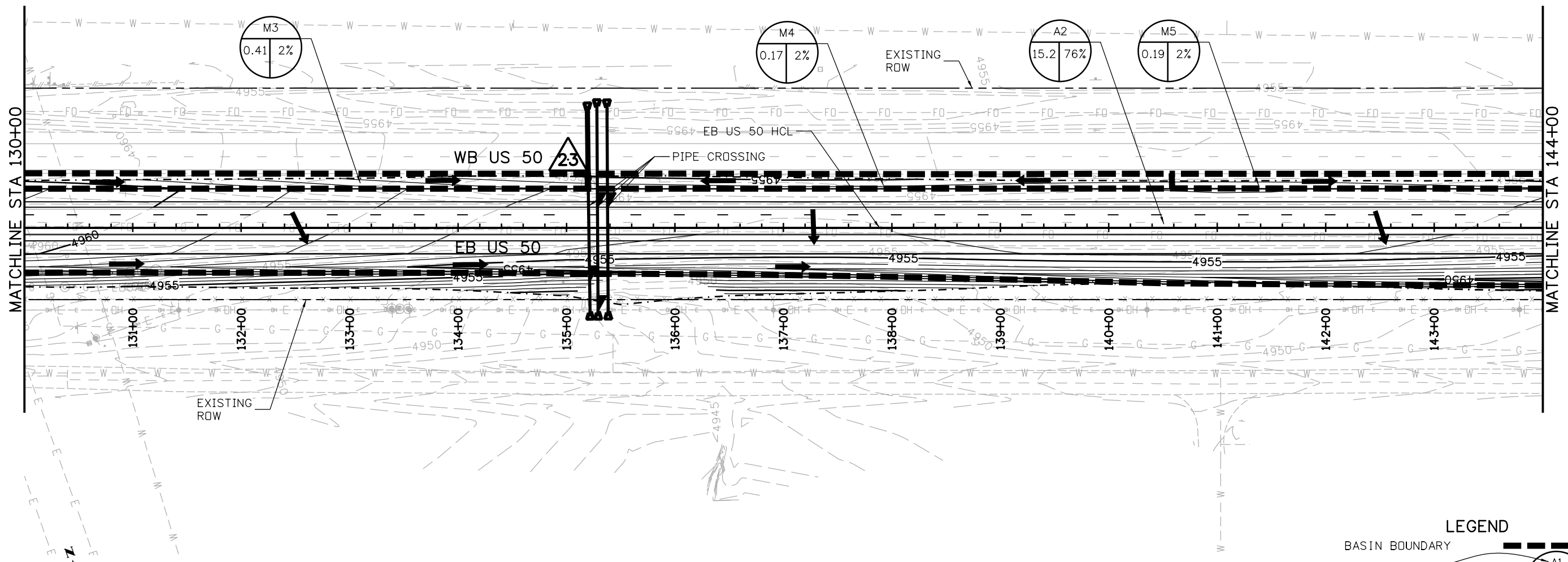
Project No./Code  
 STA 050A-022  
 19056  
 Sheet Number **51**

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Know what's below.  
Call before you dig.

---E---E---E



**LEGEND**

- BASIN BOUNDARY: [Dashed line symbol]
- BASIN NAME: [Circle with 'A1' symbol]
- BASIN AREA (ACRES): [Circle with '3.2 59%' symbol]
- BASIN % IMPERVIOUS: [Circle with '1' symbol]
- DESIGN POINT: [Triangle with '1' symbol]
- DIRECTION OF FLOW: [Arrow symbol]

RUNOFF SUMMARY TABLE			
BASIN	AREA (ACRES)	2 YEAR RUNOFF	100 YEAR RUNOFF
A2	15.20	9.92	30.69
M3	0.41	0.06	1.20
M4	0.17	0.03	0.56
M5	0.19	0.03	0.62

Print Date: 12/10/2013  
 File Name: 19056\_HYD-Basin-Sheet04.dgn  
 Horiz. Scale: 1:100      Vert. Scale:  
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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  
 DRAINAGE BASIN & GRADING PLANS  
 130+00.00 TO 144+00.00**

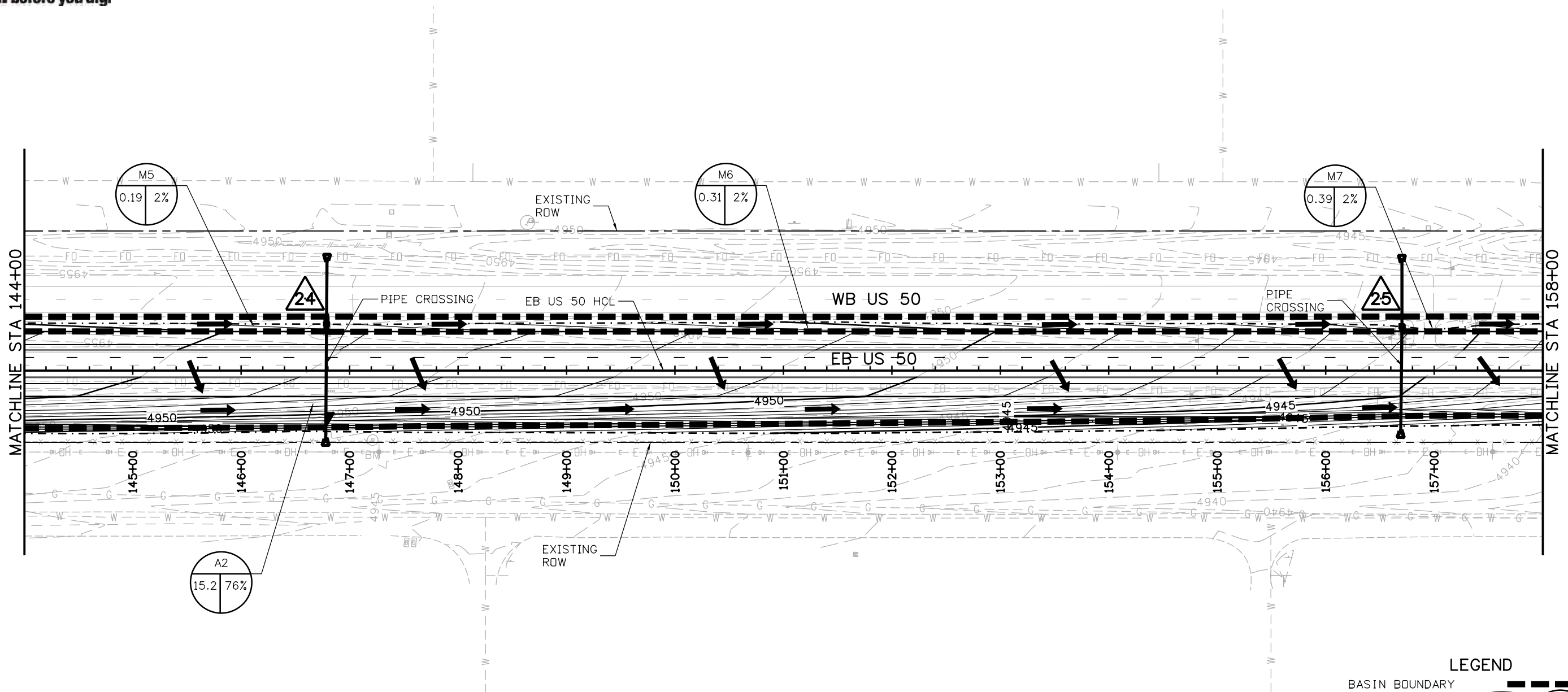
Designer: LM    Structure Numbers  
 Detailer: LM  
 Subset: Drainage    Subset Sheets: DR4 of 14

**Project No./Code**  
 STA 050A-022  
 19056  
 Sheet Number **52**

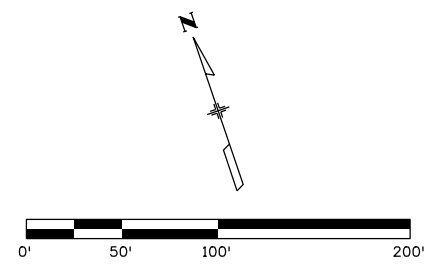
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Know what's below.  
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S:\as 4:06:54 PM \\nas1\0900\_jobs\0840E\_CDDT\_US50\_Design\04\_Design\19056\_Design\Drawings\1b\_Crading\_Drainage\19056\_HYD-Basin-Sheet05.dgn



**LEGEND**

- BASIN BOUNDARY
- BASIN NAME
- BASIN AREA (ACRES)
- BASIN % IMPERVIOUS
- DESIGN POINT
- DIRECTION OF FLOW

BASIN	AREA (ACRES)	2 YEAR RUNOFF	100 YEAR RUNOFF
A2	15.20	9.92	30.69
M5	0.19	0.03	0.62
M6	0.31	0.05	0.94
M7	0.39	0.06	1.17

Print Date: 12/10/2013  
 File Name: 19056\_HYD-Basin-Sheet05.dgn  
 Horiz. Scale: 1:100      Vert. Scale:  
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Date:	Comments	Init.

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 Region 2      DTD

No Revisions:
Revised:
Void:

US 50 WEST  
**DRAINAGE BASIN & GRADING PLANS**  
 144+00.00 TO 158+00.00

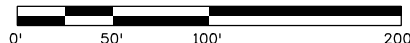
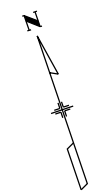
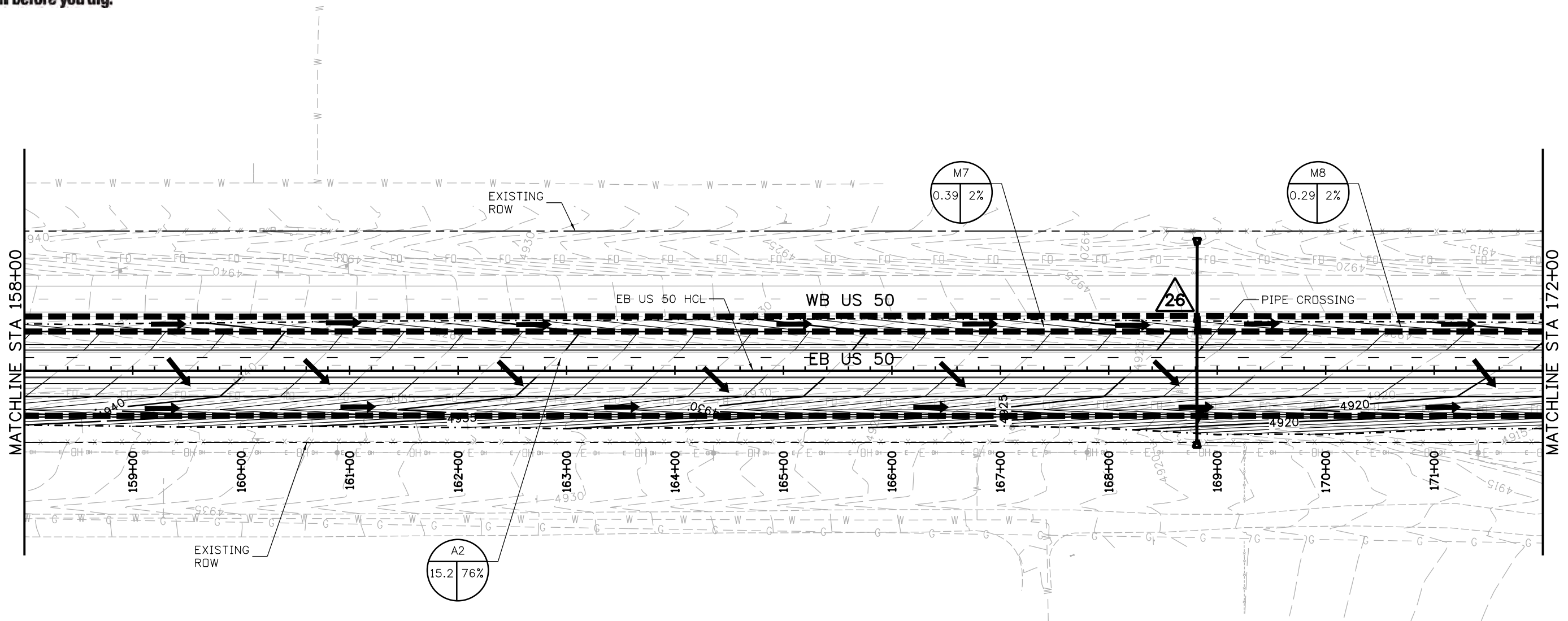
Designer:	LM	Structure Numbers	
Detailer:	LM	Subset Sheets:	DR5 of 14

Project No./Code	STA 050A-022
	19056
Sheet Number	53





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**LEGEND**

- BASIN BOUNDARY
- BASIN NAME
- BASIN AREA (ACRES)
- BASIN % IMPERVIOUS
- DESIGN POINT
- DIRECTION OF FLOW

BASIN	AREA (ACRES)	2 YEAR RUNOFF	100 YEAR RUNOFF
A2	15.20	9.92	30.69
M7	0.39	0.06	1.17
M8	0.29	0.04	0.90

Print Date: 12/10/2013  
 File Name: 19056\_HYD-Basin-Sheet06.dgn  
 Horiz. Scale: 1:100      Vert. Scale:  
 J.F. SATO AND ASSOCIATES  
 5898 South Rapp Street  
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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  
**DRAINAGE BASIN & GRADING PLANS**  
 158+00.00 TO 172+00.00

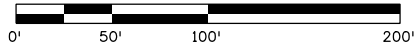
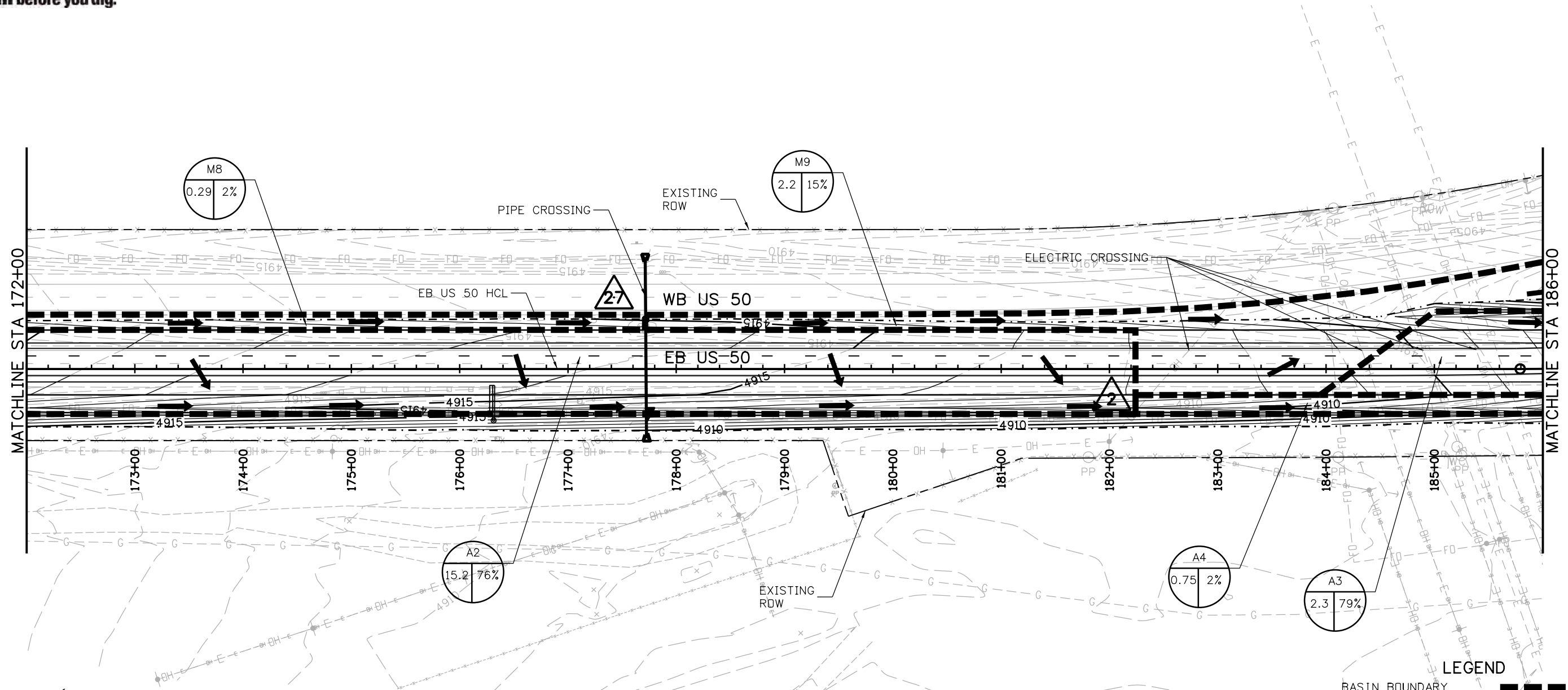
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Detailer: LM	
Subset: Drainage	Subset Sheets: DR6 of 14

Project No./Code  
 STA 050A-022  
 19056  
 Sheet Number **54**

SDas 4:06:56 PM \\Nasi\0900\_jobs\0940E\_CDDT\_US50\_Design\04\_Design\19056\_Design\Drawings\1b\_Grading\Drainage\19056\_HYD-Basin-Sheet06.dgn



Know what's below.  
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BASIN	AREA (ACRES)	2 YEAR RUNOFF	100 YEAR RUNOFF
A2	15.20	9.92	30.69
A3	2.32	3.27	9.55
A4	0.75	0.12	2.38
M8	0.29	0.04	0.90
M9	2.16	0.70	6.38

**LEGEND**

- BASIN BOUNDARY:
- BASIN NAME:
- BASIN AREA (ACRES):
- BASIN % IMPERVIOUS:
- DESIGN POINT:
- DIRECTION OF FLOW:

Print Date: 12/10/2013  
 File Name: 19056\_HYD-Basin-Sheet07.dgn  
 Horiz. Scale: 1:100 Vert. Scale:  
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 5898 South Rapp Street  
 Littleton, Colorado 80120

Date:	Comments	Init.

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

No Revisions:
Revised:
Void:

US 50 WEST  
 DRAINAGE BASIN & GRADING PLANS  
 172+00.00 TO 186+00.00

Designer: LM  
 Detailer: LM  
 Subset: Drainage

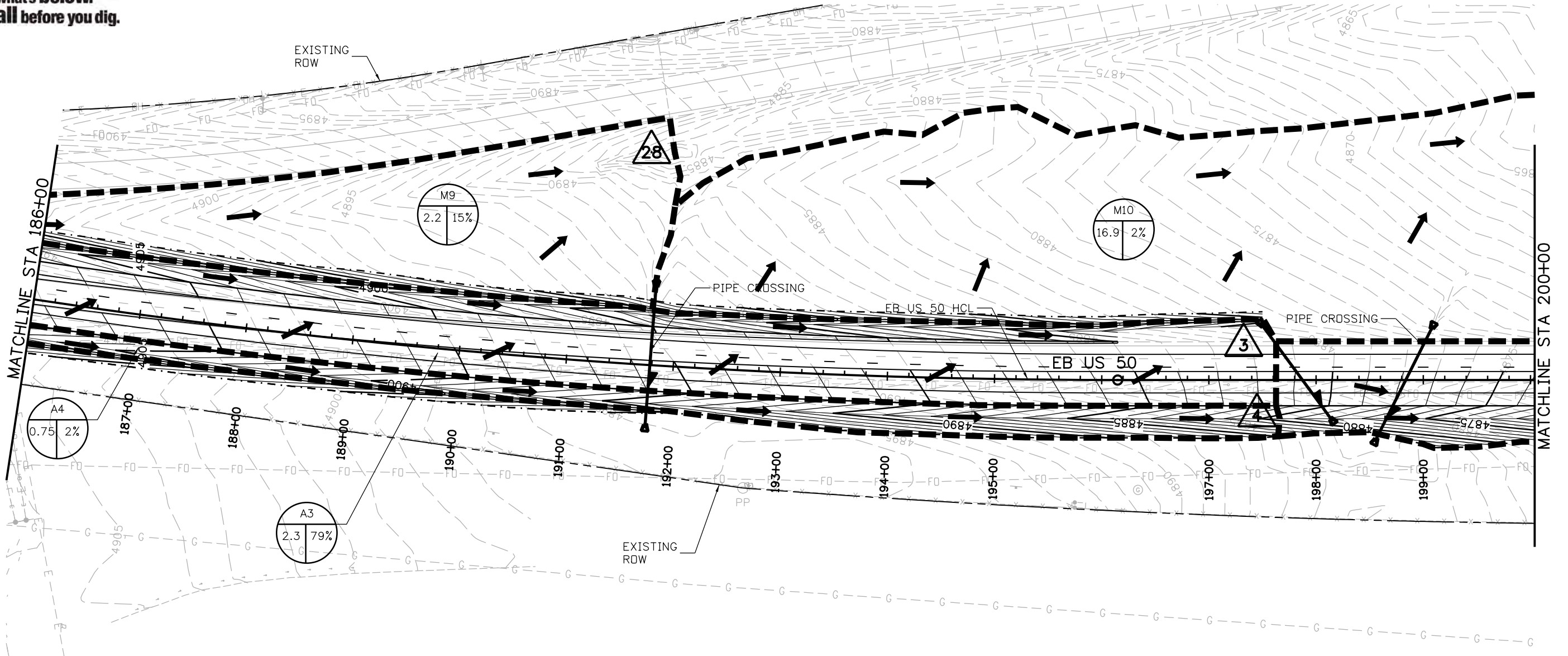
Structure Numbers  
 Subset Sheets: DR7 of 14

Project No./Code	STA 050A-022
	19056
Sheet Number	55

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BASIN	AREA (ACRES)	2 YEAR RUNOFF	100 YEAR RUNOFF
A3	2.32	3.27	9.55
A4	0.75	0.12	2.38
M9	2.16	0.70	6.38
M10	16.90	2.21	44.43

**LEGEND**

- BASIN BOUNDARY
- BASIN NAME
- BASIN AREA (ACRES)
- BASIN % IMPERVIOUS
- DESIGN POINT
- DIRECTION OF FLOW

Print Date: 12/10/2013  
File Name: 19056\_HYD-Basin-Sheet08.dgn  
Horiz. Scale: 1:100 Vert. Scale:

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Region 2 DTD

As Constructed

No Revisions:  
Revised:  
Void:

US 50 WEST  
DRAINAGE BASIN & GRADING PLANS  
186+00.00 TO 200+00.00

Designer: LM  
Detailer: LM  
Subset: Drainage

Structure Numbers  
Subset Sheets: DR8 of 14

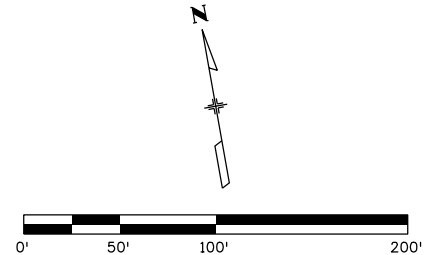
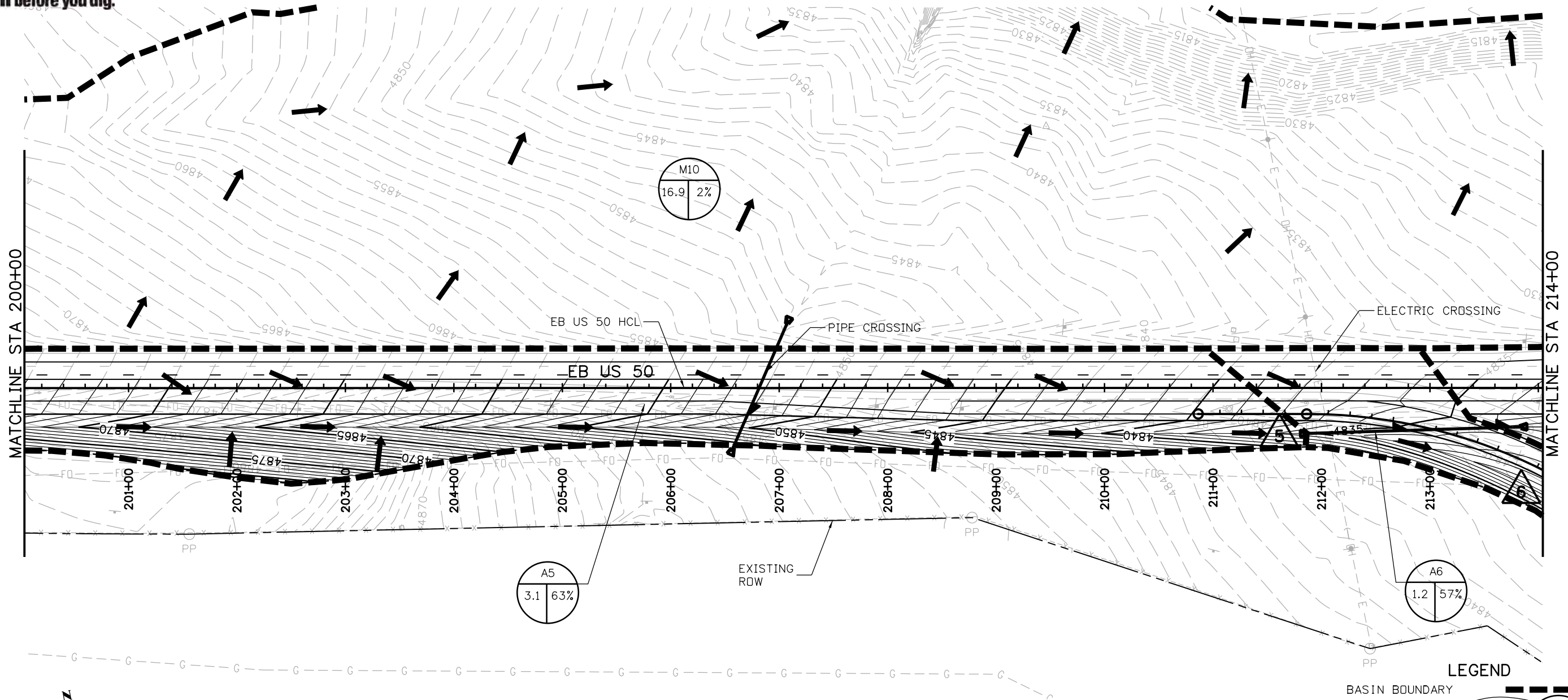
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STA 050A-022  
19056  
Sheet Number **56**

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**LEGEND**

- BASIN BOUNDARY
- BASIN NAME
- BASIN AREA (ACRES)
- BASIN % IMPERVIOUS
- DESIGN POINT
- DIRECTION OF FLOW

BASIN	AREA (ACRES)	2 YEAR RUNOFF	100 YEAR RUNOFF
A5	3.10	3.12	10.98
A6	1.22	1.30	4.88
M10	16.90	2.21	44.43

Print Date: 12/10/2013  
 File Name: 19056\_HYD-Basin-Sheet09.dgn  
 Horiz. Scale: 1:100      Vert. Scale:  
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Date:	Comments	Init.

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As Constructed  
 No Revisions:  
 Revised:  
 Void:

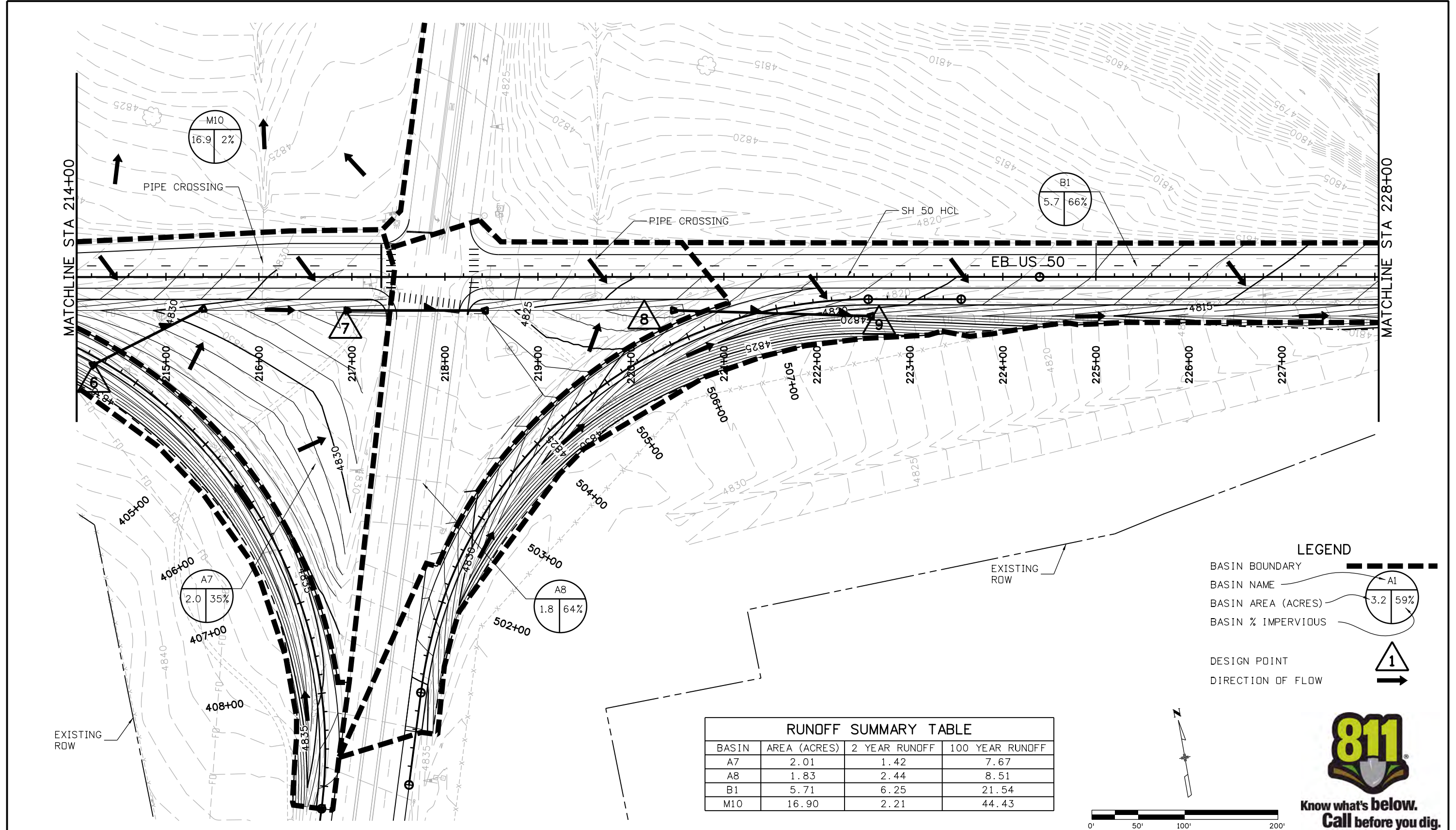
US 50 WEST  
**DRAINAGE BASIN & GRADING PLANS**  
 200+00.00 TO 214+00.00

Designer: LM	Structure Numbers
Detailer: LM	
Subset: Drainage	Subset Sheets: DR9 of 14

Project No./Code  
 STA 050A-022  
 19056  
 Sheet Number **57**

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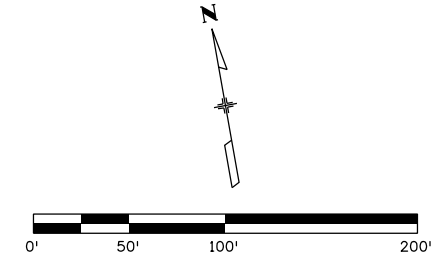
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**LEGEND**

- BASIN BOUNDARY:
- BASIN NAME:
- BASIN AREA (ACRES):
- BASIN % IMPERVIOUS:
- DESIGN POINT:
- DIRECTION OF FLOW:

BASIN	AREA (ACRES)	2 YEAR RUNOFF	100 YEAR RUNOFF
A7	2.01	1.42	7.67
A8	1.83	2.44	8.51
B1	5.71	6.25	21.54
M10	16.90	2.21	44.43



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Print Date: 2/18/2014  
 File Name: 19056\_HYD-Basin-Sheet10.dgn  
 Horiz. Scale: 1:100      Vert. Scale:

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Date:	Comments	Init.

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No Revisions:  
 Revised:  
 Void:

US 50 WEST  
 DRAINAGE BASIN & GRADING PLANS  
 214+00.00 TO 228+00.00

Designer: LM      Structure Numbers  
 Detailer: LM  
 Subset: Drainage      Subset Sheets: DR10 of 14

Project No./Code  
 STA 050A-022

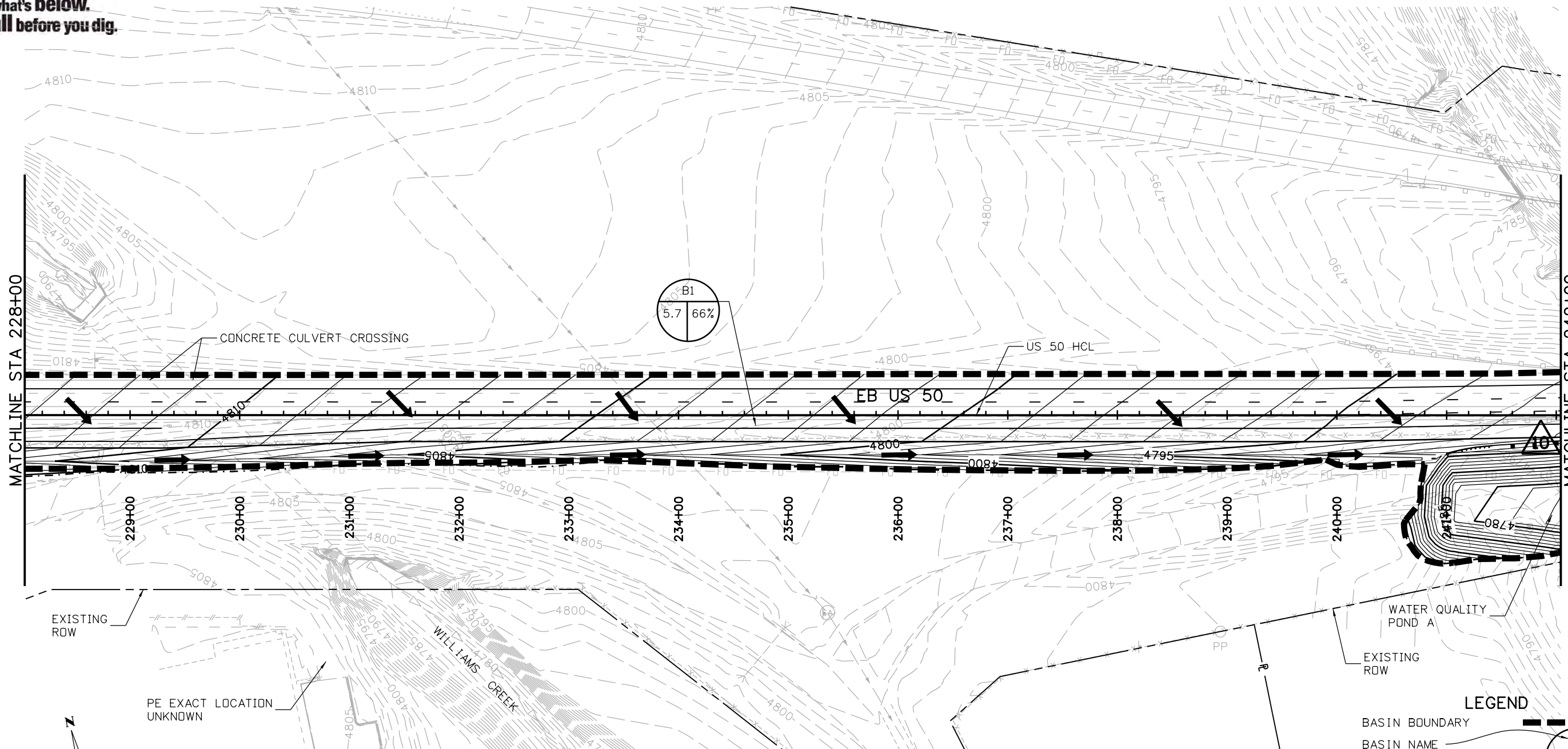
19056

Sheet Number      58





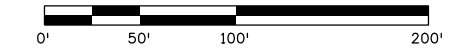
Know what's below.  
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PE EXACT LOCATION UNKNOWN

**LEGEND**

- BASIN BOUNDARY:
- BASIN NAME:
- BASIN AREA (ACRES):
- BASIN % IMPERVIOUS:
- DESIGN POINT:
- DIRECTION OF FLOW:



BASIN	AREA (ACRES)	2 YEAR RUNOFF	100 YEAR RUNOFF
B1	5.71	6.25	21.54

Print Date: 2/18/2014  
 File Name: 19056\_HYD-Basin-Sheet1.dgn  
 Horiz. Scale: 1:100      Vert. Scale:

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Date:	Comments	Init.

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**Region 2**      **DTD**

**As Constructed**

No Revisions:  
 Revised:  
 Void:

**US 50 WEST  
 DRAINAGE BASIN & GRADING PLANS  
 228+00.00 TO 242+00.00**

Designer: LM    Structure Numbers  
 Detailer: LM  
 Subset: Drainage    Subset Sheets: DR11 of 14

Project No./Code  
 STA 050A-022

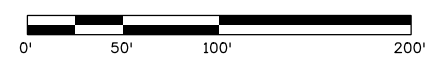
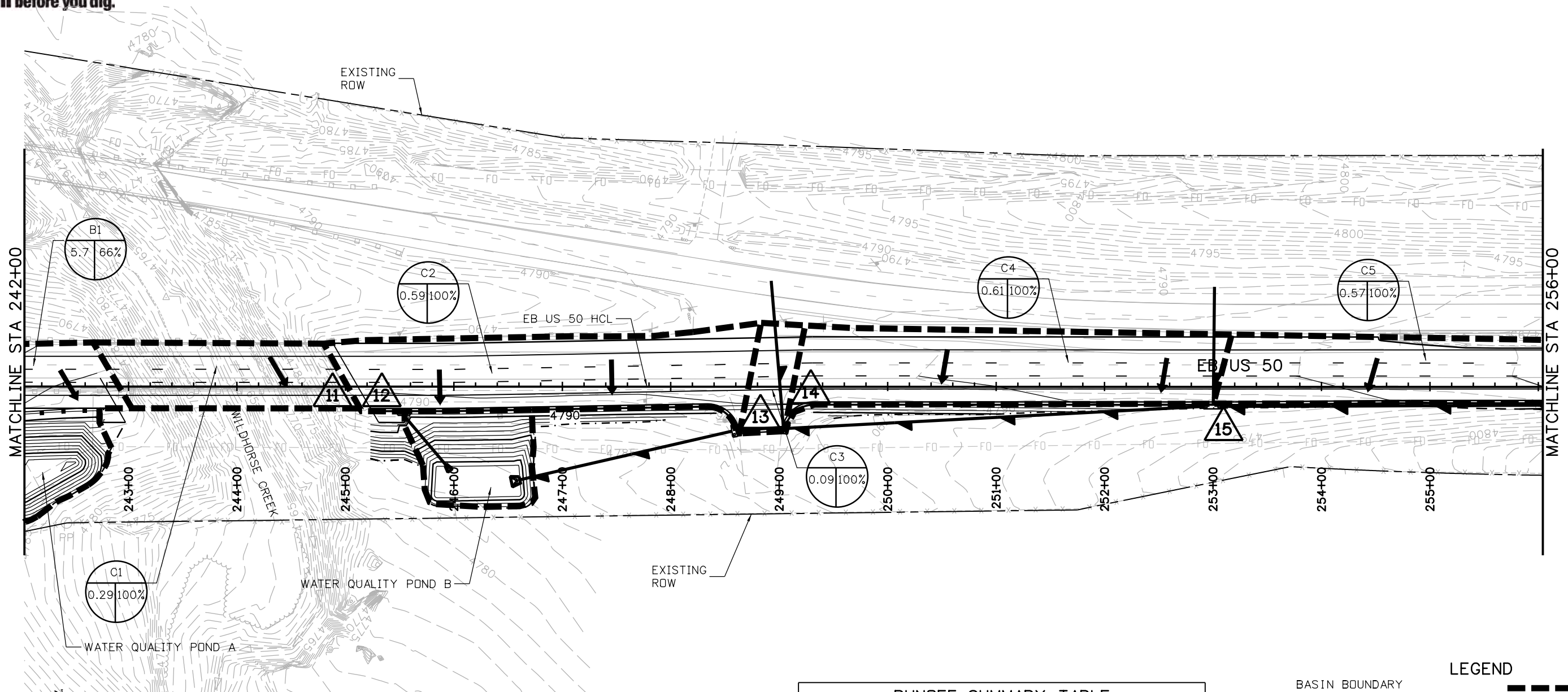
19056

Sheet Number **59**

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RUNOFF SUMMARY TABLE			
BASIN	AREA (ACRES)	2 YEAR RUNOFF	100 YEAR RUNOFF
C1	0.29	0.78	1.99
C2	0.59	1.61	4.09
C3	0.09	0.24	0.62
C4	0.61	1.66	4.23
C5	0.57	1.55	3.95
B1	5.71	6.25	21.54

**LEGEND**

- BASIN BOUNDARY: Dashed line
- BASIN NAME: Circle with 'A1' and '3.2 59%'
- BASIN AREA (ACRES): Circle with '3.2 59%'
- BASIN % IMPERVIOUS: Circle with '3.2 59%'
- DESIGN POINT: Triangle with '1'
- DIRECTION OF FLOW: Arrow

Print Date: 2/18/2014  
 File Name: 19056\_HYD-Basin-Sheet12.dgn  
 Horiz. Scale: 1:100      Vert. Scale:  
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Date:	Comments	Init.

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As Constructed
No Revisions:
Revised:
Void:

**US 50 WEST  
 DRAINAGE BASIN & GRADING PLANS  
 242+00.00 TO 256+00.00**

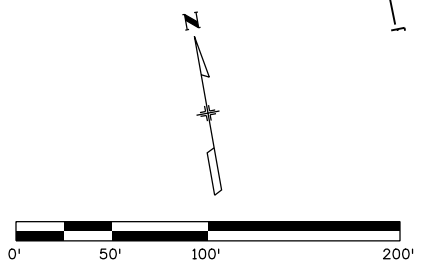
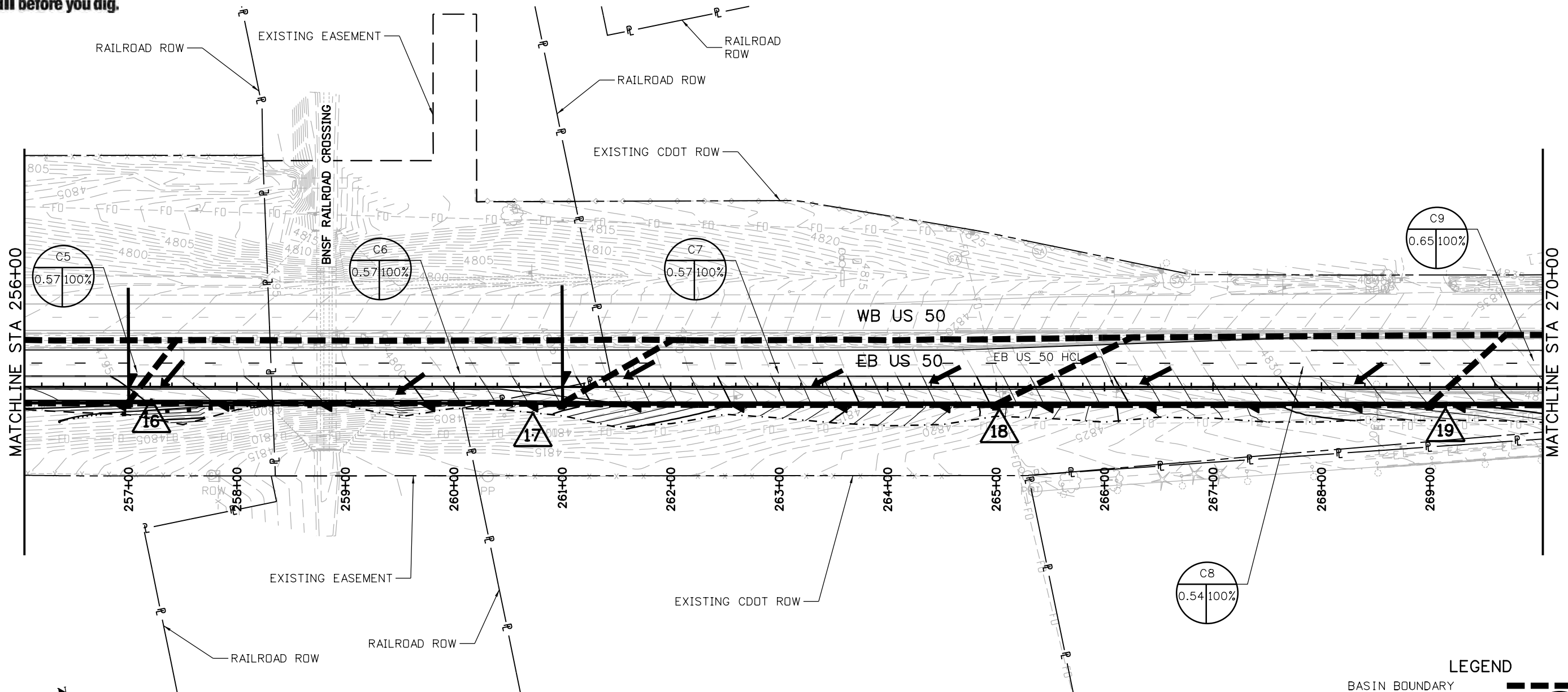
Designer: LM    Structure Numbers  
 Detailer: LM  
 Subset: Drainage    Subset Sheets: DR12 of 14

Project No./Code  
 STA 050A-022  
 19056  
 Sheet Number **60**

erfman 11:40:56 AM \\nas1\0900\_jobs\0940E\_CDDT\_US50\_Design\04\_Design\19056\_Design\Drawings\1b\_Grading\_Drainage\19056\_HYD-Basin-Sheet12.dgn



Know what's below.  
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BASIN	AREA (ACRES)	2 YEAR RUNOFF	100 YEAR RUNOFF
C5	0.57	1.55	3.95
C6	0.57	1.55	3.95
C7	0.57	1.55	3.95
C8	0.54	1.47	3.74
C9	0.65	1.77	4.51

**LEGEND**

- BASIN BOUNDARY:
- BASIN NAME:
- BASIN AREA (ACRES):
- BASIN % IMPERVIOUS:
- DESIGN POINT:
- DIRECTION OF FLOW:

Print Date: 12/10/2013  
 File Name: 19056\_HYD-Basin-Sheet13.dgn  
 Horiz. Scale: 1:100      Vert. Scale:  
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Date:	Comments	Init.

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**Region 2**      **DTD**

No Revisions:
Revised:
Void:

**US 50 WEST  
 DRAINAGE BASIN & GRADING PLANS  
 256+00.00 TO 270+00.00**

Designer: LM    Structure Numbers  
 Detailer: LM  
 Subset: Drainage    Subset Sheets: DR13 of 14

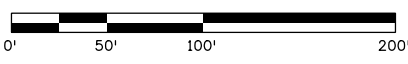
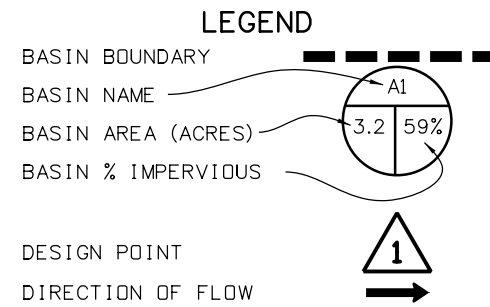
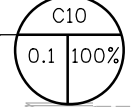
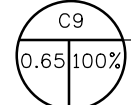
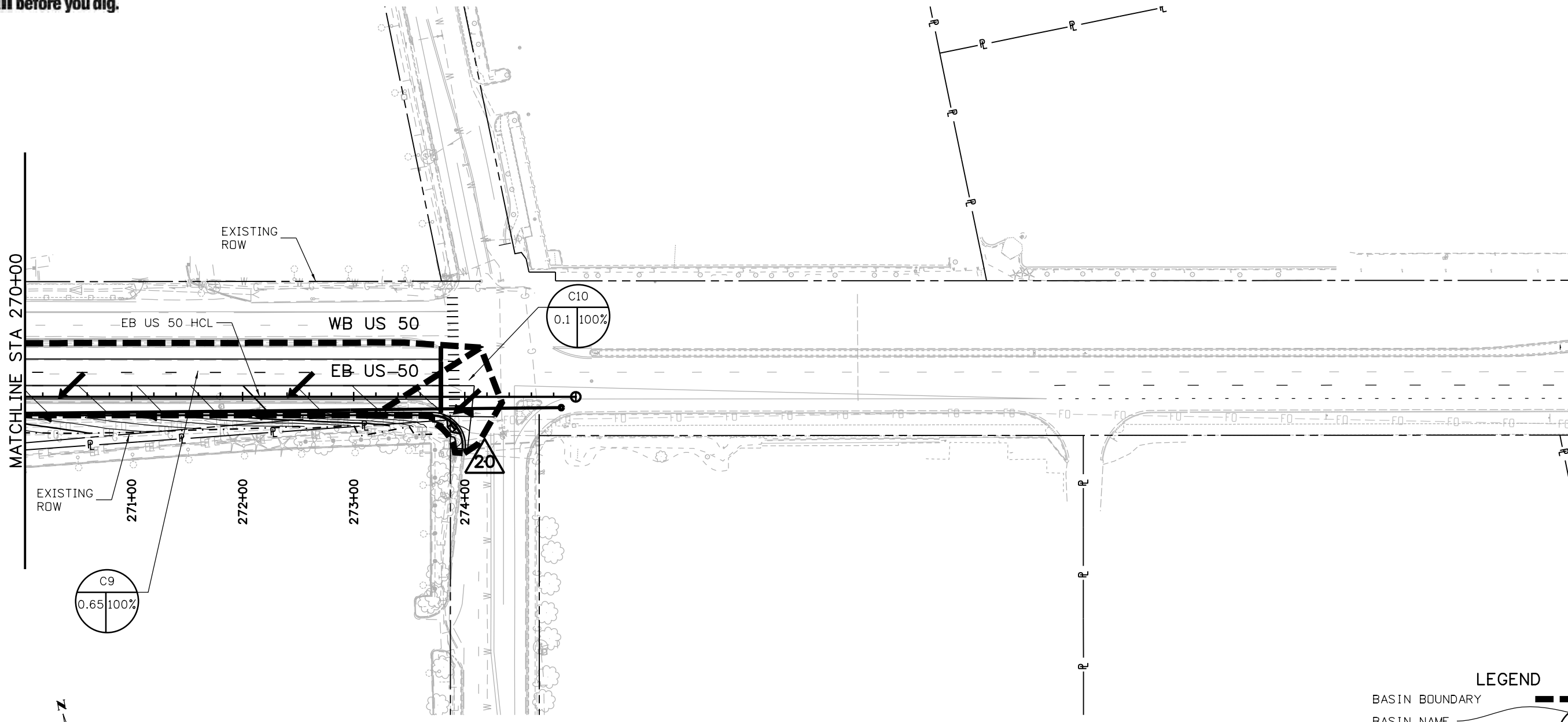
Project No./Code  
 STA 050A-022  
 19056  
 Sheet Number **61**

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BASIN	AREA (ACRES)	2 YEAR RUNOFF	100 YEAR RUNOFF
C9	0.65	1.77	4.51
C10	0.10	0.27	0.69

Print Date: 12/10/2013  
 File Name: 19056\_HYD-Basin-Sheet14.dgn  
 Horiz. Scale: 1:100 Vert. Scale:

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**Region 2** DTD

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 Void:

**US 50 WEST  
 DRAINAGE BASIN & GRADING PLANS  
 270+00.00 TO**

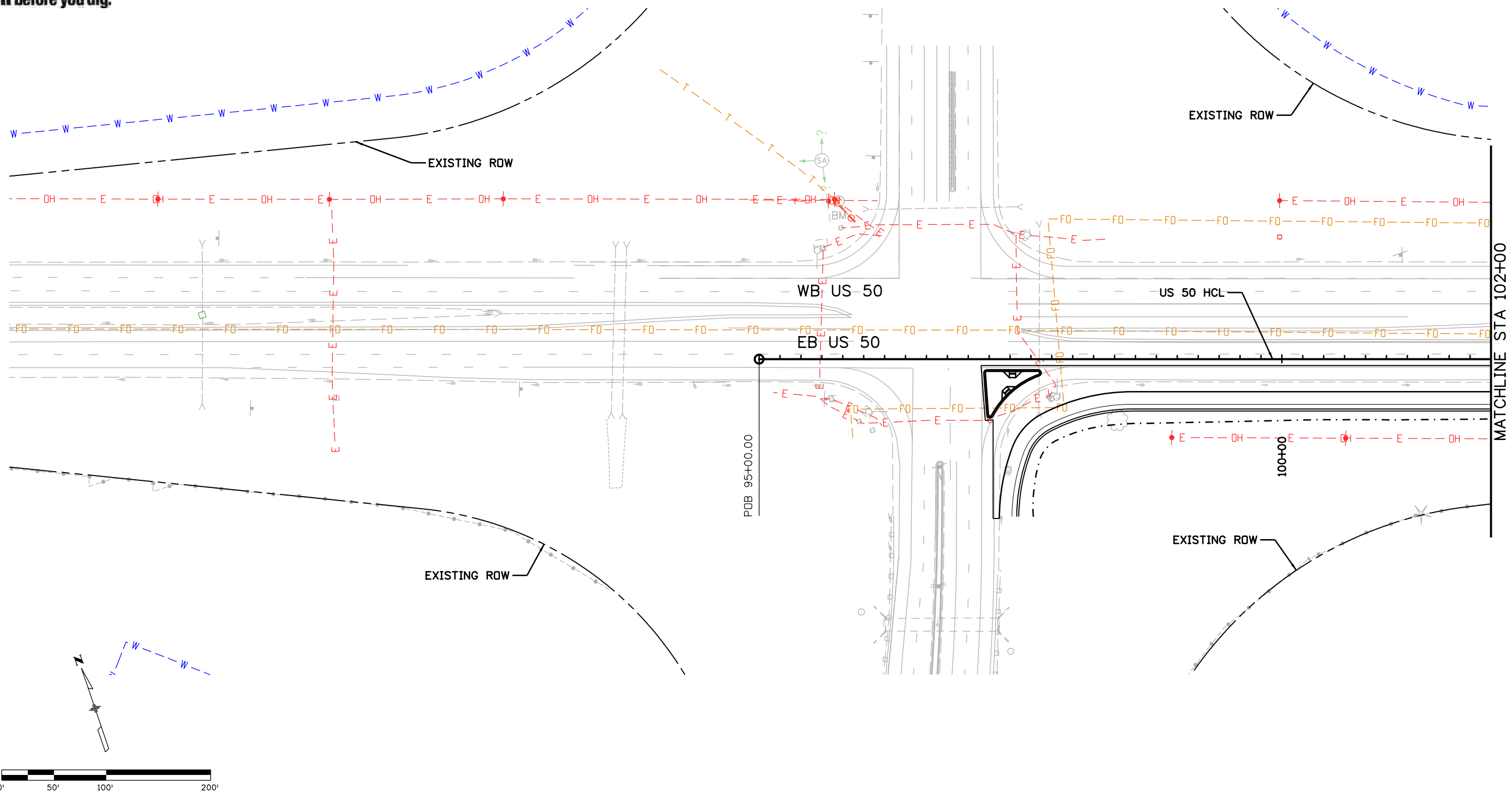
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 Detailer: LM  
 Subset: Drainage Subset Sheets: DR14 of 14

Project No./Code  
 STA 050A-022  
 19056  
 Sheet Number **62**

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S:\s\3\36:37 PM \\nas1\0900\_jobs\0940E\_CDDT\_US50\_Design\04\_Design\19056\_Design\Drawings\21\_Utility\19056\_UTLILITY01.dgn

Print Date: 12/10/2013  
 File Name: 19056\_UTLILITY01.dgn  
 Horiz. Scale: 1:100      Vert. Scale: As Noted

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Region 2      DTD

As Constructed	
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Revised:	
Void:	

US 50 WEST  
 UTILITY PLANS  
 95+00.00 TO 102+00.00

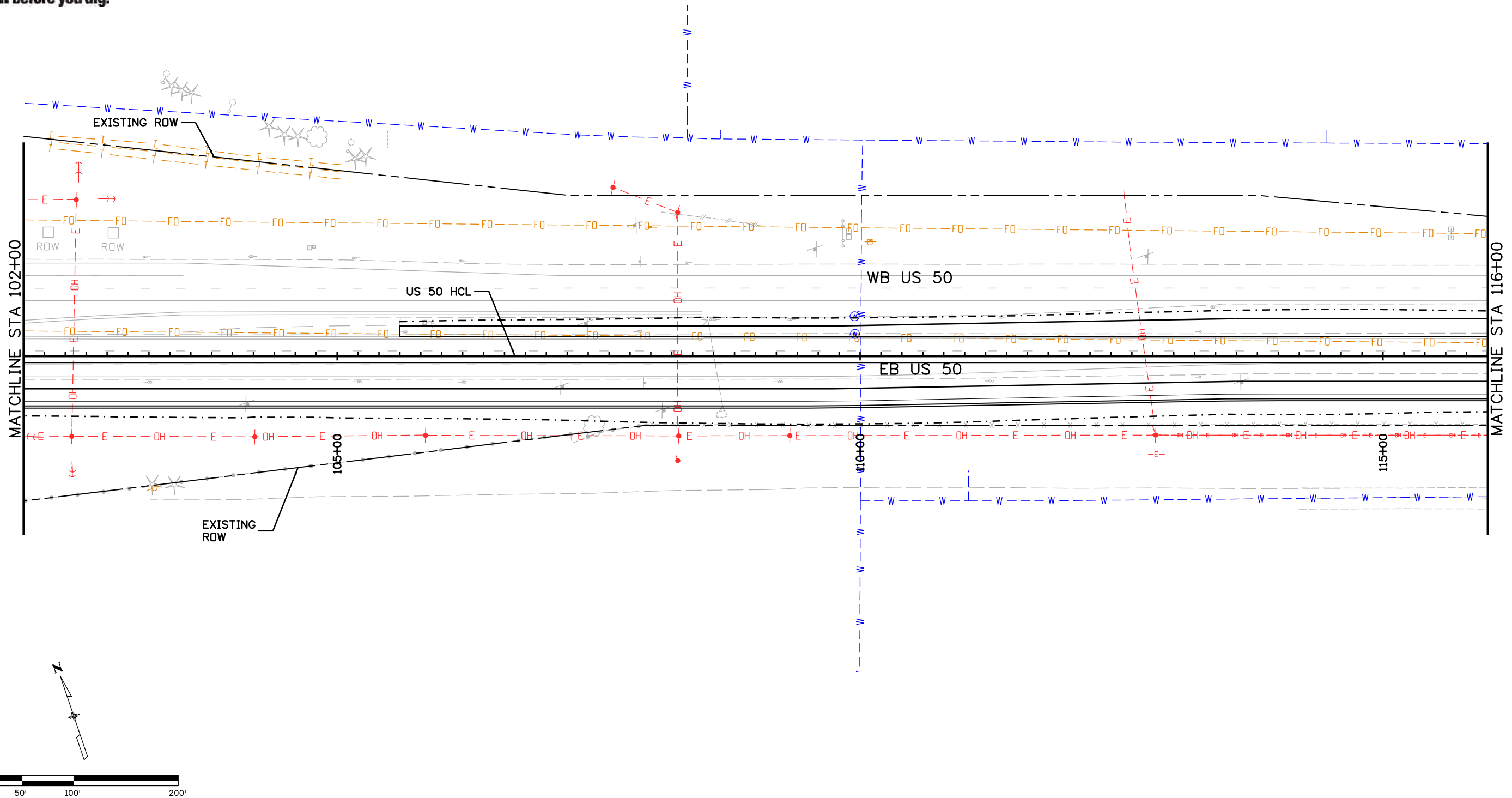
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Detailer:	ACE	Numbers	
Subset:	Util	Subset Sheets:	UT01 of 14

Project No./Code	
	STA 050A-022
	19056
Sheet Number	107






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S:\as 3:36:39 PM \\Nasi\0900\_Jobs\0940E\_CDDT\_US50\_Design\04\_Design\19056\_Design\Drawings\21\_Utility\19056\_UTILTY02.dgn

Print Date: 12/10/2013  
 File Name: 19056\_UTILTY02.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  
 102+00.00 TO 116+00.00

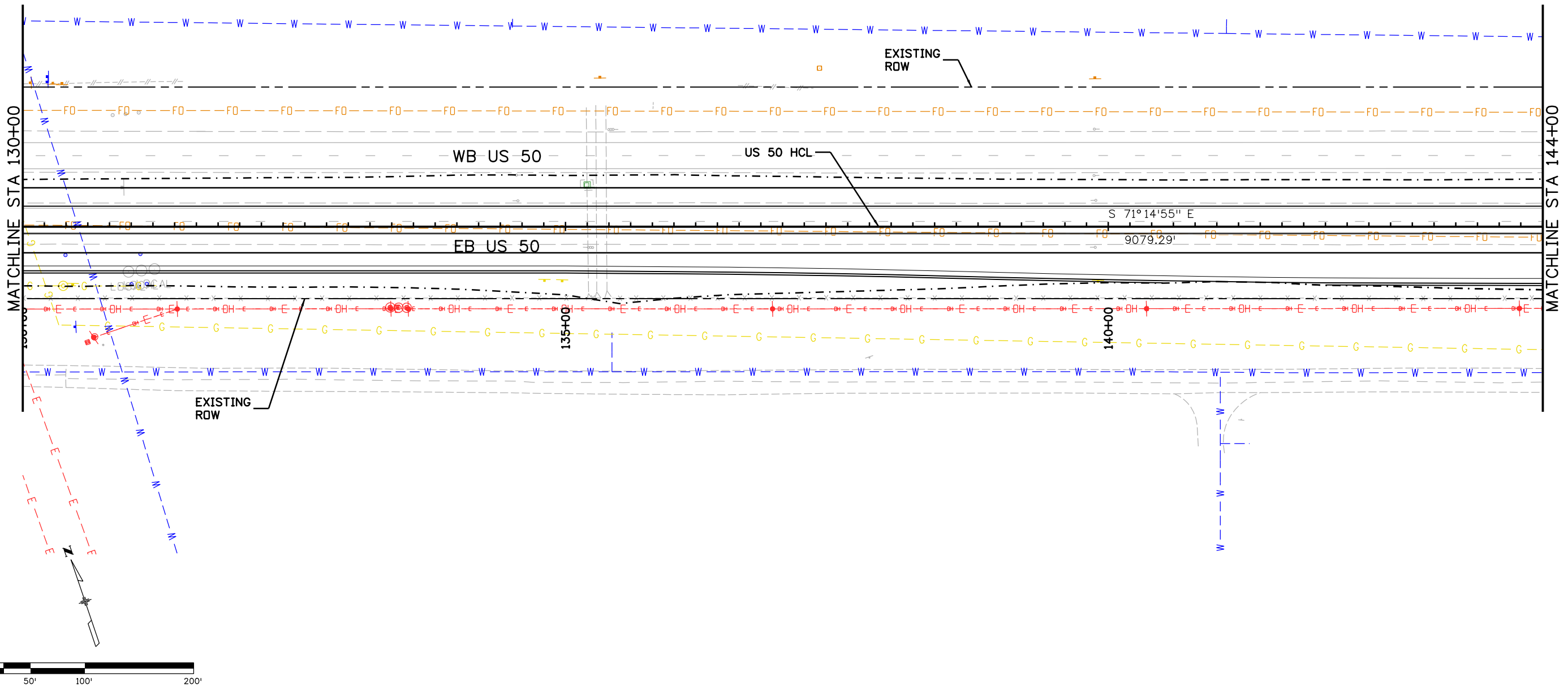
Designer: ACE	Structure Numbers
Detailer: ACE	
Subset: Util	Subset Sheets: UT02 of 14

Project No./Code
STA 050A-022
19056
Sheet Number 108





Know what's below.  
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SDas 3:36:44 PM \\Nas1\0900\_Jobs\0840E CDDT US50 Design\04\_Design\19056\_Design\Drawings\21\_Utility\19056\_UTILITY04.dgn

Print Date: 12/10/2013  
 File Name: 19056\_UTILITY04.dgn  
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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**Region 2** **DTD**

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

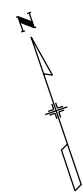
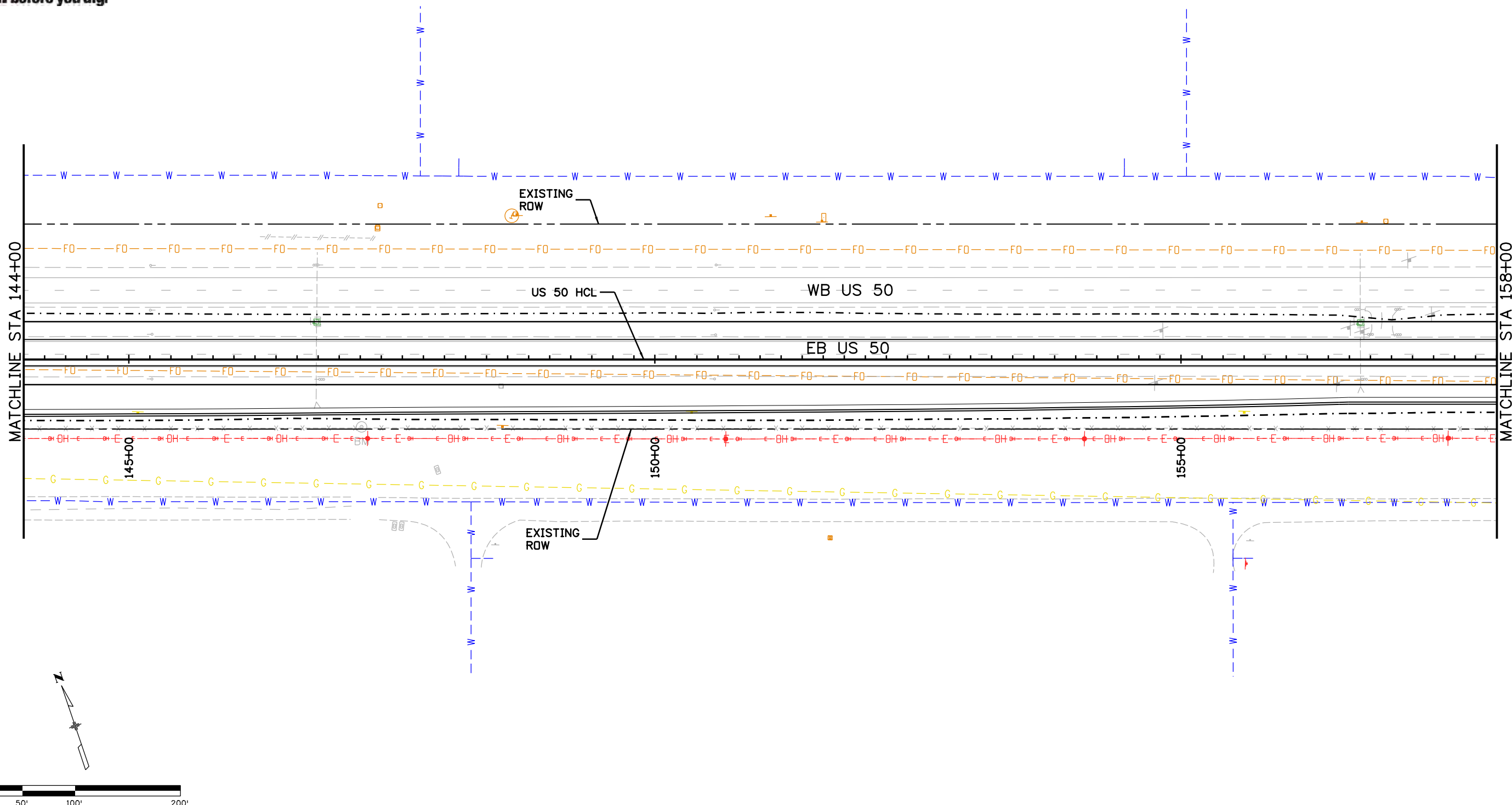
**US 50 WEST  
 UTILITY PLANS  
 130+00.00 TO 144+00.00**

Designer:	ACE	Structure Numbers	
Detailer:	ACE		
Subset:	Util	Subset Sheets: UT04of	14

<b>Project No./Code</b>
STA 050A-022
19056
Sheet Number <b>110</b>



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Print Date: 12/10/2013  
 File Name: 19056\_UTILITY05.dgn  
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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Date:	Comments	Init.

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**Region 2 DTD**

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 Revised:  
 Void:

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

Designer: ACE  
 Detailer: ACE  
 Subset: Util

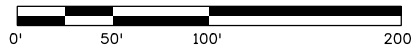
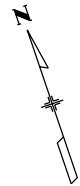
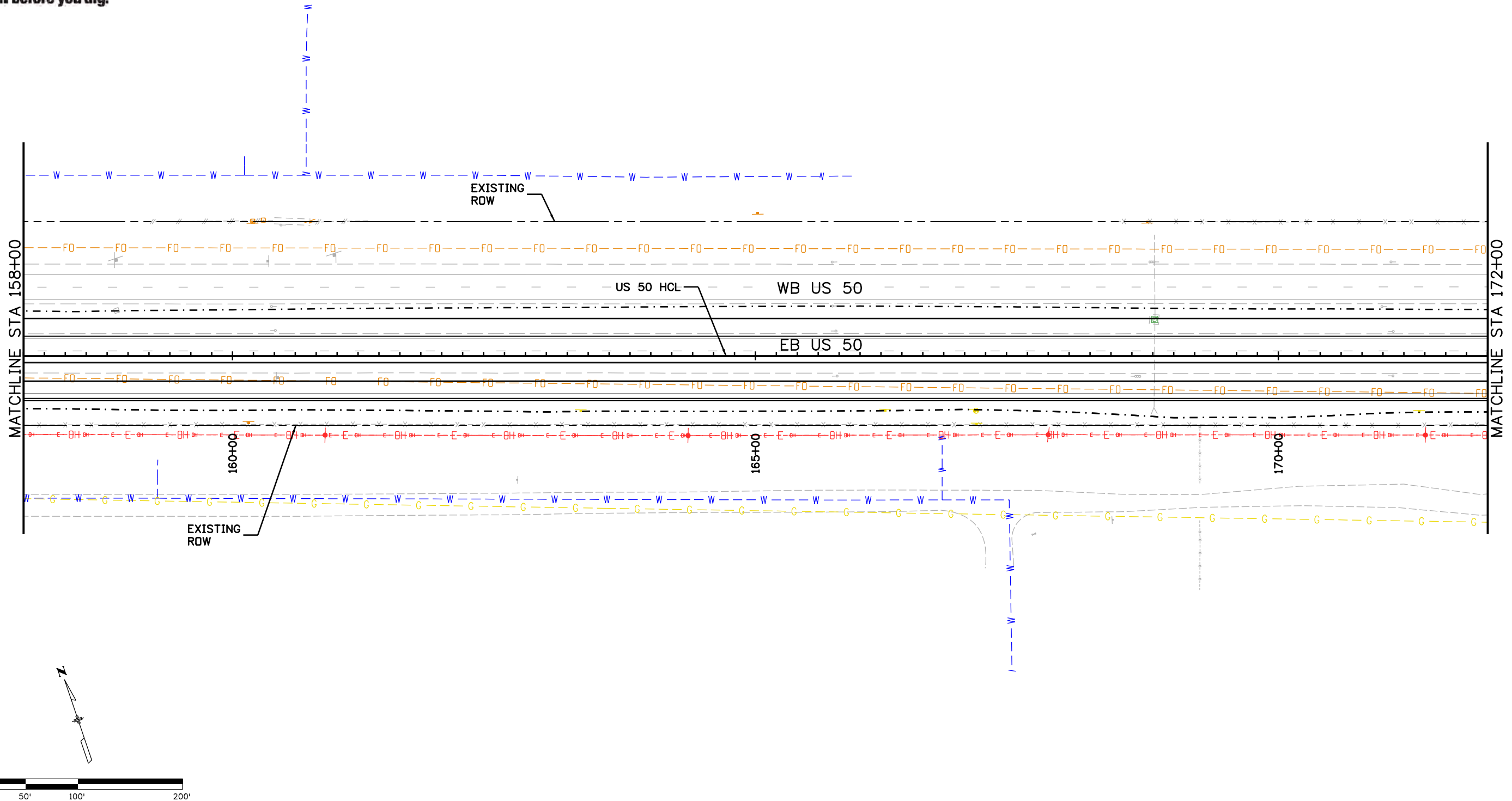
Structure Numbers  
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**Project No./Code**  
 STA 050A-022  
 19056  
 Sheet Number **111**

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Print Date: 12/10/2013  
File Name: 19056\_UTILITY06.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  
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 Revised:  
 Void:

US 50 WEST  
 UTILITY PLANS  
 158+00.00 TO 172+00.00

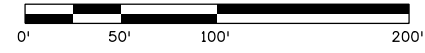
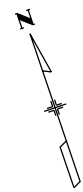
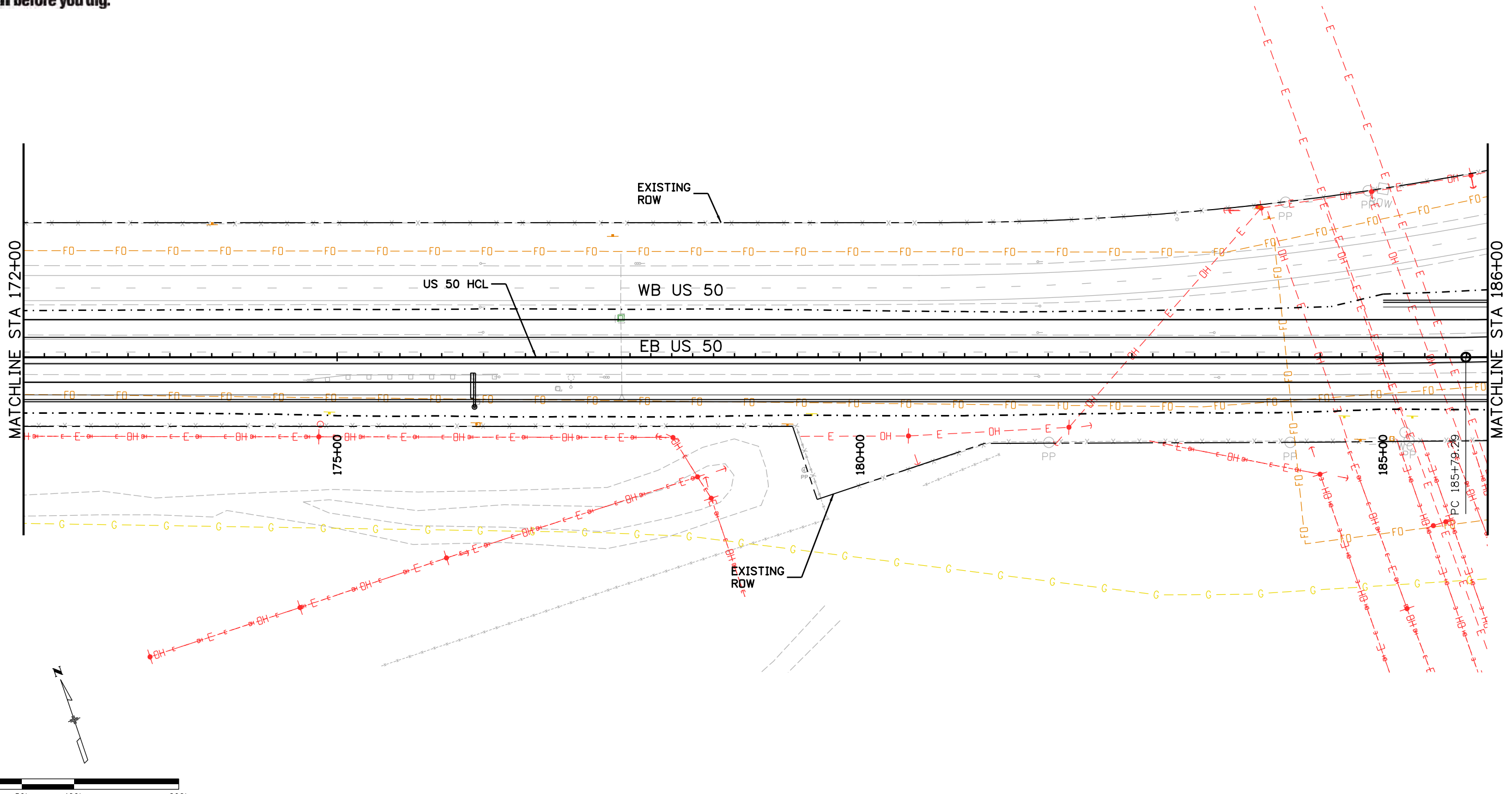
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Detailer:	ACE	Numbers	
Subset:	Util	Subset Sheets:	UT06 of 14

Project No./Code  
 STA 050A-022  
 19056  
 Sheet Number    **112**

SDas 3:36:49 PM \\Nasi\0900\_jobs\0940E\_CDDT\_US50\_Design\04\_Design\19056\_Design\Drawings\21\_Utility\19056\_UTILITY06.dgn



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Print Date: 12/10/2013  
 File Name: 19056\_UTILITY07.dgn  
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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**Region 2** **DTD**

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

Designer: ACE  
 Detailer: ACE  
 Subset: Util

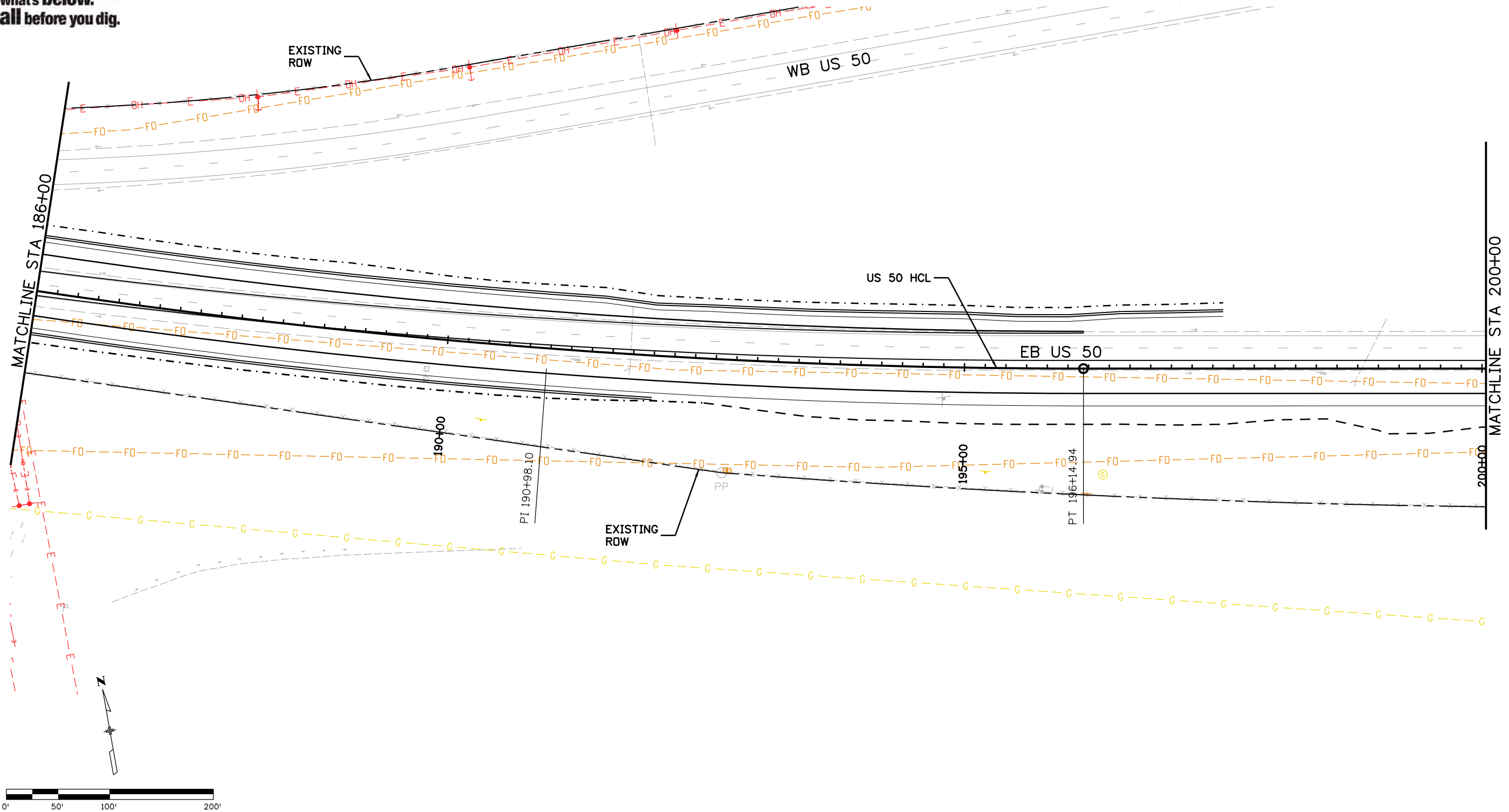
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 Sheet Number **113**

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US 50 WEST UTILITY PLANS 186+00.00 TO 200+00.00			
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 19056  
 Sheet Number **114**





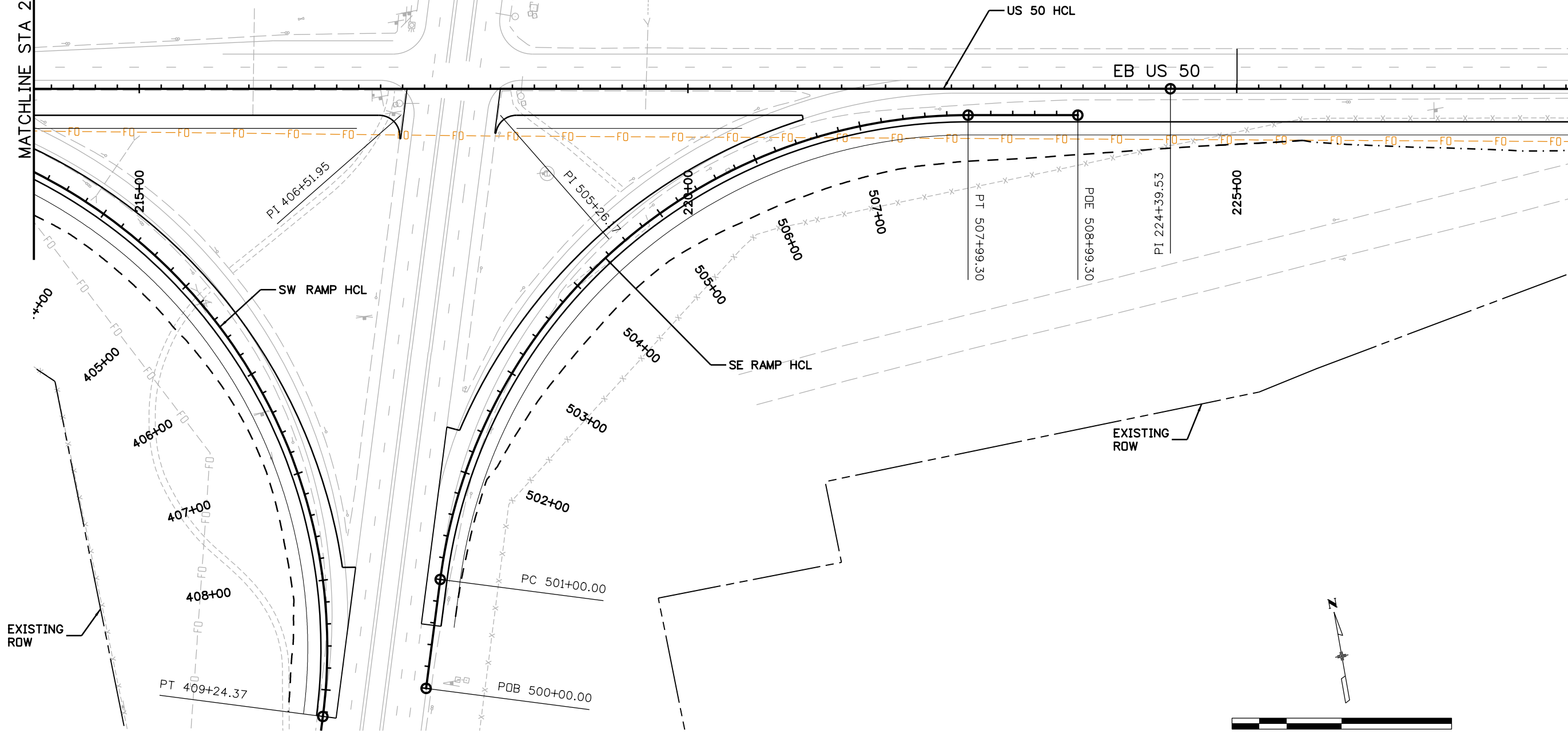




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MATCHLINE STA 228+00



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**US 50 WEST  
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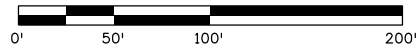
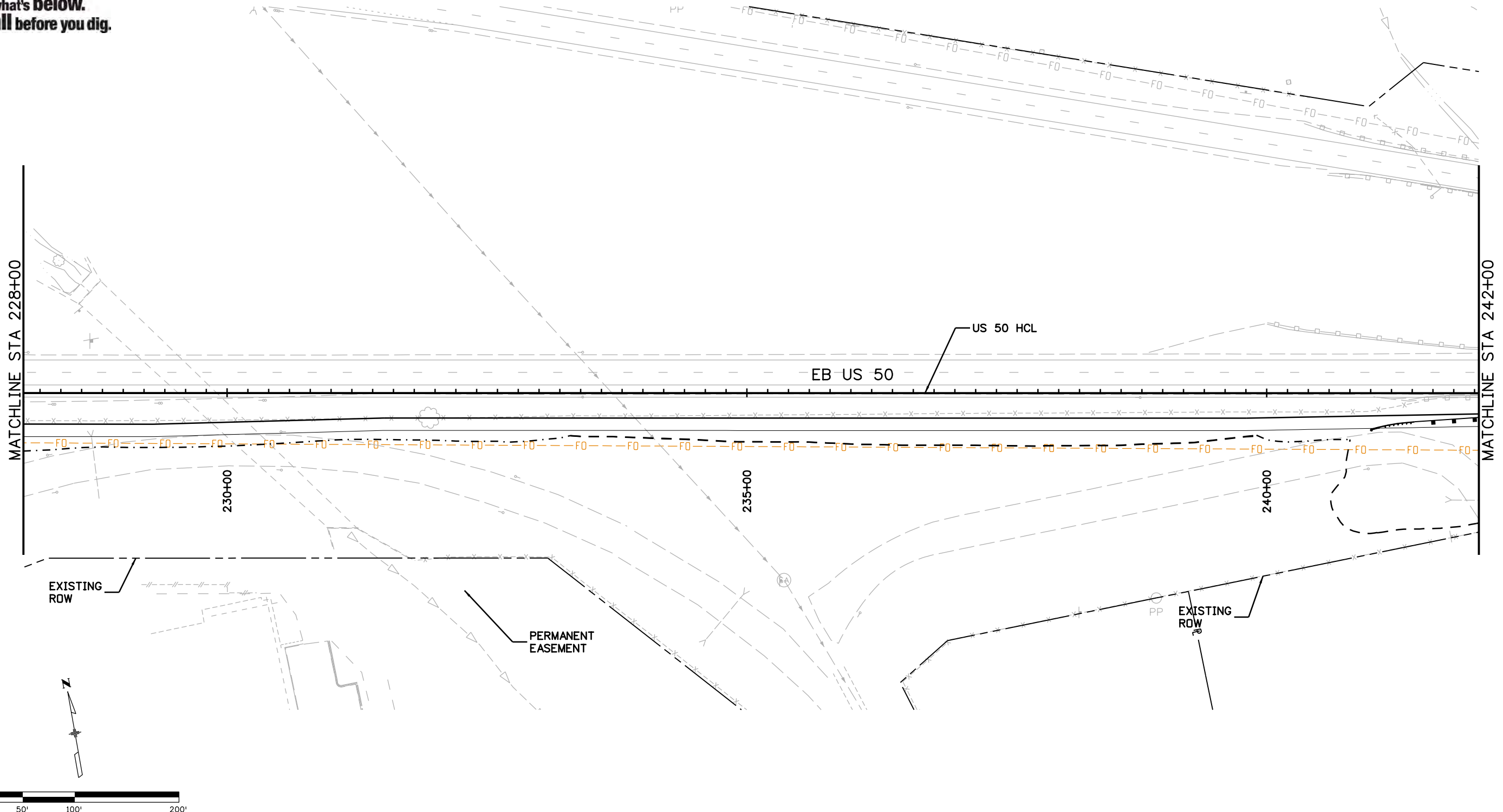
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 UTILITY PLANS  
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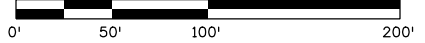
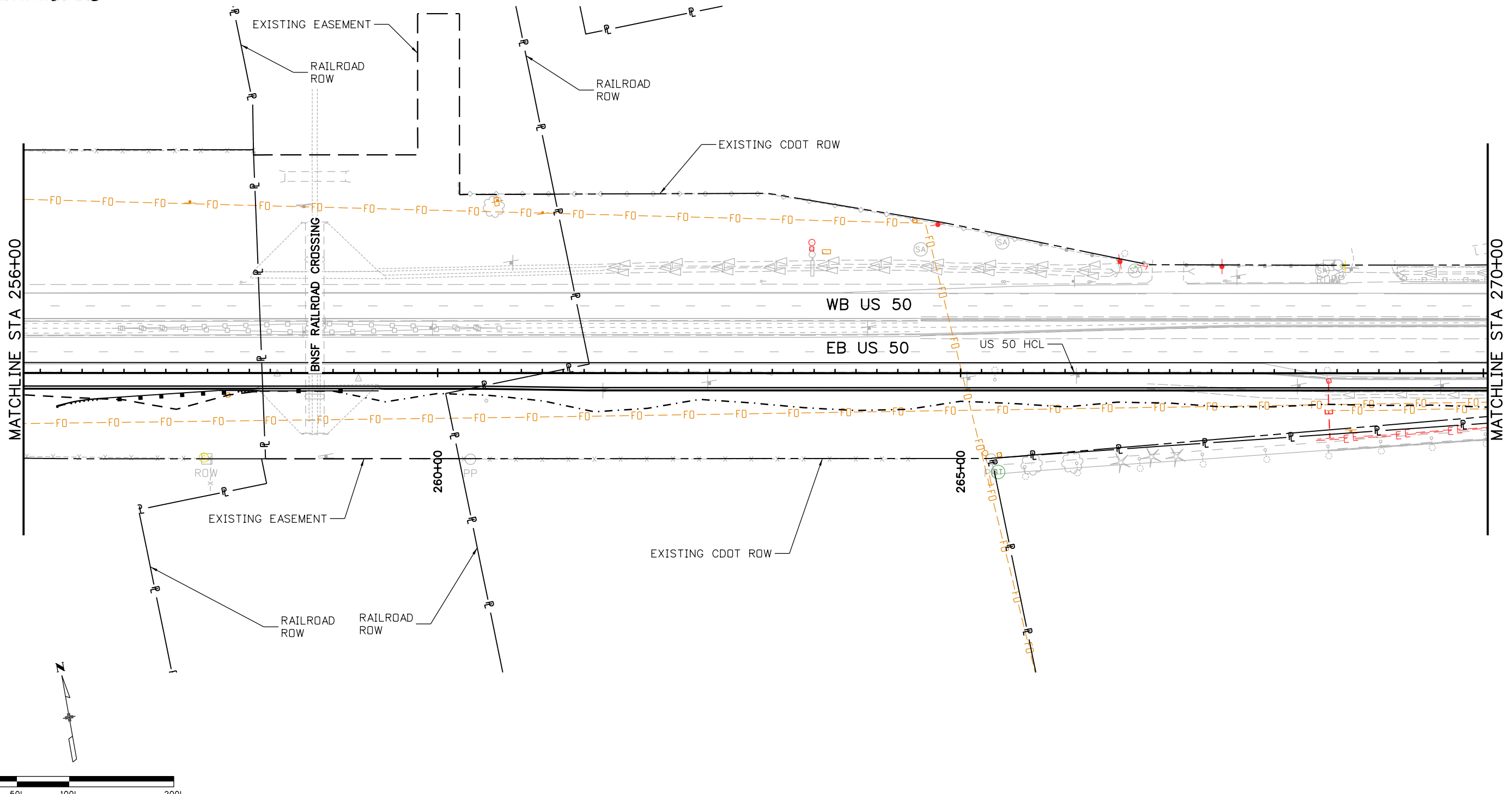
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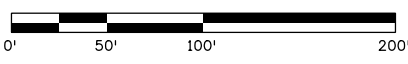
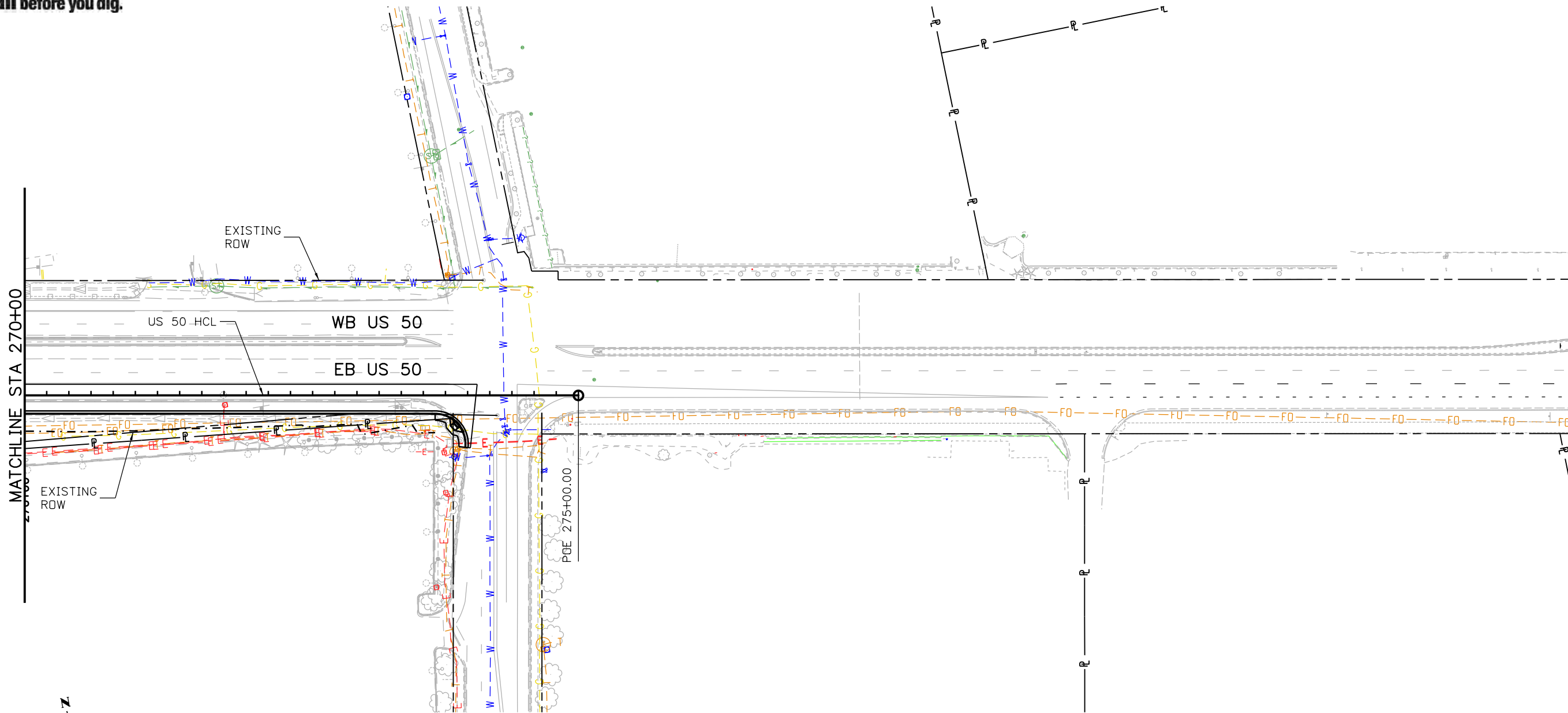
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Project No./Code  
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