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Date	Description	Initials	Date	Description	Initials	Date	Description	Initials
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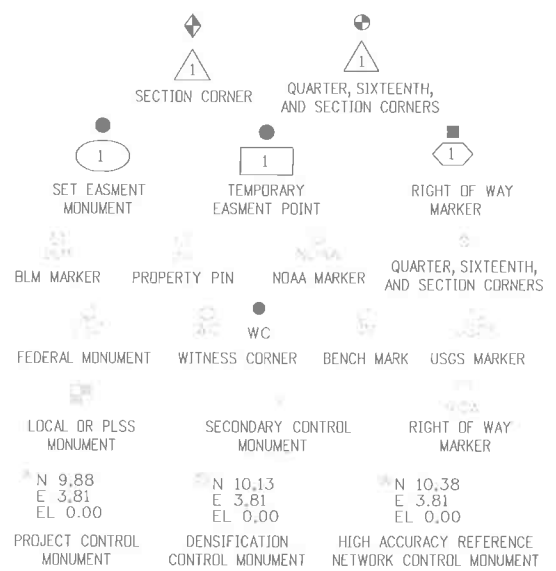
Project Control Diagram			
Title Sheet			
Project Number: STA 050A-022			
Project Location: US 50 West			
Purcell Blvd. to Wills Blvd.			
Project Code:	Last Mod. Date	Subset	Sheet No.
19056	07-01-13	3.01 of 3.05	3.01

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

SHEET NO.	INDEX OF SHEETS
3.01	(1) Title Sheet
3.02	(1) Coordinate Tables
3.03-3.05	(3) Plan Sheets
	(5) Total Sheets

PROJECT CONTROL DIAGRAM

U.S. Highway 50 MP 309.70 to 313.15
 Sections 7, 8, 9, 16, 15 & 14
 Township 20 South, Range 65 West
 of the 6th Principal Meridian
 County of Pueblo



Note: For a complete listing of symbolology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication dated July 2006. Existing features are shown as screened weight (gray scale). Proposed or new features are shown as full weight without screening.



Typical Control Monument Cap
Not to Scale

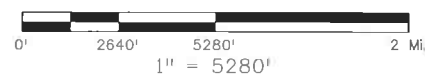
▲ CM-MP - Control Point Monuments set by CDDT. They are CDDT Type 2 monuments, a 3/4" dia. aluminum control monument cap (as shown) on a 3' x 3/4" dia. aluminum security rod on a 3' x 3/4" dia. smooth aluminum rod.

General Notes:

1. This Project Control Diagram is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.
2. This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDDT that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.
3. Refer to the M-629-1 Survey Monuments of the Standard Plans dated July, 2006 found in The Colorado Department of Transportation, M & S Standards for typical survey monument descriptions.



PROJECT LOCATION MAP



Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of N82°50'43"E from CM-MP 3118 to CM 3121. Both monuments are CDDT Type II, marked appropriately for their milepost location and control position. This survey data was obtained from a larger Global Positioning System (GPS) survey observed in July and August of 2012. This survey is based on the Colorado High Accuracy Reference Network (CHARN).

Basis of Elevations: Project elevations are based on multiple NGS First Order benchmarks using NAVD 88, Geoid 12A elevations.

COORDINATE DATUM: Project coordinates are modified Colorado State Plane South 0503 Zone NAD '83/(2011) coordinates. The combined elevation/scale factor used to modify the coordinates from state plane to project coordinates is 0.9997446793. The resulting project coordinates are truncated by 1,000,000sf in the Northing and 3,000,000sf in the Easting after converting from state plane coordinates to project coordinates. The CHARN is based on the NAD '83(2011) datum.

Project Coordinates Northing US Survey Feet = $\{[(\text{State Plane Coordinate Northing(m)} / 0.9997446793) * (3937\text{ft}/1200\text{m})] - 1,000,000\text{ft}\}$.
 Project Coordinates Easting US Survey Feet = $\{[(\text{State Plane Coordinate Easting(m)} / 0.9997446793) * (3937\text{ft}/1200\text{m})] - 3,000,000\text{ft}\}$.

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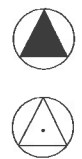
SURVEYOR STATEMENT (PROJECT CONTROL DIAGRAM)

I, Dennis Pirle, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation this Project Control Diagram was prepared and the field survey it represents was performed under my responsible charge and, based upon my knowledge, information and belief is in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

PLS No. 3365J

Sheet Revisions			Sheet Revisions			Sheet Revisions		
Date	Description	Initials	Date	Description	Initials	Date	Description	Initials
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Project Control Diagram			
Coordinate Tables			
Project Number: STA 050A-022			
Project Location: US 50 West			
Purcell Blvd. to Wills Blvd.			
Project Code:	Last Mod. Date:	Subset:	Sheet No.:
19056	07-01-13	3.02 of 3.05	93



CHARN GEODETIC COORDINATE SUMMARY TABLE									
Point No.	Geodetic Coordinates NAD-83(2011) (CHARN)		Elip Height (NAVD88) (m)	Ortho Height (m)	Mapping Angle	Grid Scale Factor	NAD 83(2011) Zone Colorado South 0503		Description
	Latitude(N)	Longitude(W)					SP Northing(m)	SP Easting(m)	
W 430	N38°18'06.19491"	W104°39'46.57528"	1451.561	1470.585	0°30'48"	0.999978626	486597.583	987618.290	Deep Rod in Mon. Box
Y 430	N38°19'08.88073"	W104°41'05.69842"	1489.000	1507.910	0°30'00"	0.999981150	488513.324	985679.038	Deep Rod in Mon. Box
Z 430	N38°19'27.64878"	W104°42'05.74322"	1499.831	1518.660	0°29'23"	0.999981924	489079.390	984215.578	Deep Rod in Mon. Box

GEODETIC COORDINATE TABLE									
Point No.	Geodetic Coordinates NAD-83(XX) (CHARN)		Elip Height (NAVD88) (m)	Ortho Height (m)	Mapping Angle	Grid Scale Factor	NAD 83(2011) Zone Colorado South 0503		Description
	Latitude(N)	Longitude(W)					SP Northing(m)	SP Easting(m)	
3097	N38°19'25.60105"	W104°42'06.85919"	1498.569	1517.397	0°29'22"	0.999981839	489016.022	984189.011	CDOT CM TYPE II @ MP 30.97
3098	N38°19'25.23628"	W104°41'58.20968"	1498.842	1517.680	0°29'28"	0.999981824	489006.573	984399.195	CDOT CM TYPE II @ MP 30.98
3101	N38°19'18.81336"	W104°41'41.61134"	1494.308	1513.170	0°29'38"	0.999981559	488812.004	984804.058	CDOT CM TYPE II @ MP 31.01
3104	N38°19'15.63213"	W104°41'22.62108"	1491.899	1510.785	0°29'49"	0.999981428	488717.908	985266.173	CDOT CM TYPE II @ MP 31.04
3111	N38°19'03.65009"	W104°40'46.48254"	1483.559	1502.494	0°30'12"	0.999980936	488356.138	986147.216	CDOT CM TYPE II @ MP 31.11
3114	N38°18'59.03594"	W104°40'22.46748"	1476.985	1495.951	0°30'26"	0.999980748	488219.017	986731.822	CDOT CM TYPE II @ MP 31.14
3118	N38°18'52.22343"	W104°39'59.37529"	1468.919	1487.914	0°30'41"	0.999980471	488013.959	987294.636	CDOT CM TYPE II @ MP 31.18
3121	N38°18'55.05783"	W104°39'28.47544"	1453.766	1472.796	0°30'59"	0.999980586	488108.082	988044.464	CDOT CM TYPE II @ MP 31.21
3127	N38°18'45.02472"	W104°38'56.79586"	1441.834	1460.900	0°31'19"	0.999980179	487805.714	988816.829	CDOT CM TYPE II @ MP 31.27
3128	N38°18'42.32115"	W104°38'47.95915"	1445.380	1464.456	0°31'24"	0.999980070	487724.316	989032.257	CDOT CM TYPE II @ MP 31.28
200	N38°18'35.03387"	W104°37'59.58218"	1469.674	1488.798	0°31'54"	0.999979776	487510.455	990209.551	Lead and Tack in Mon. Box

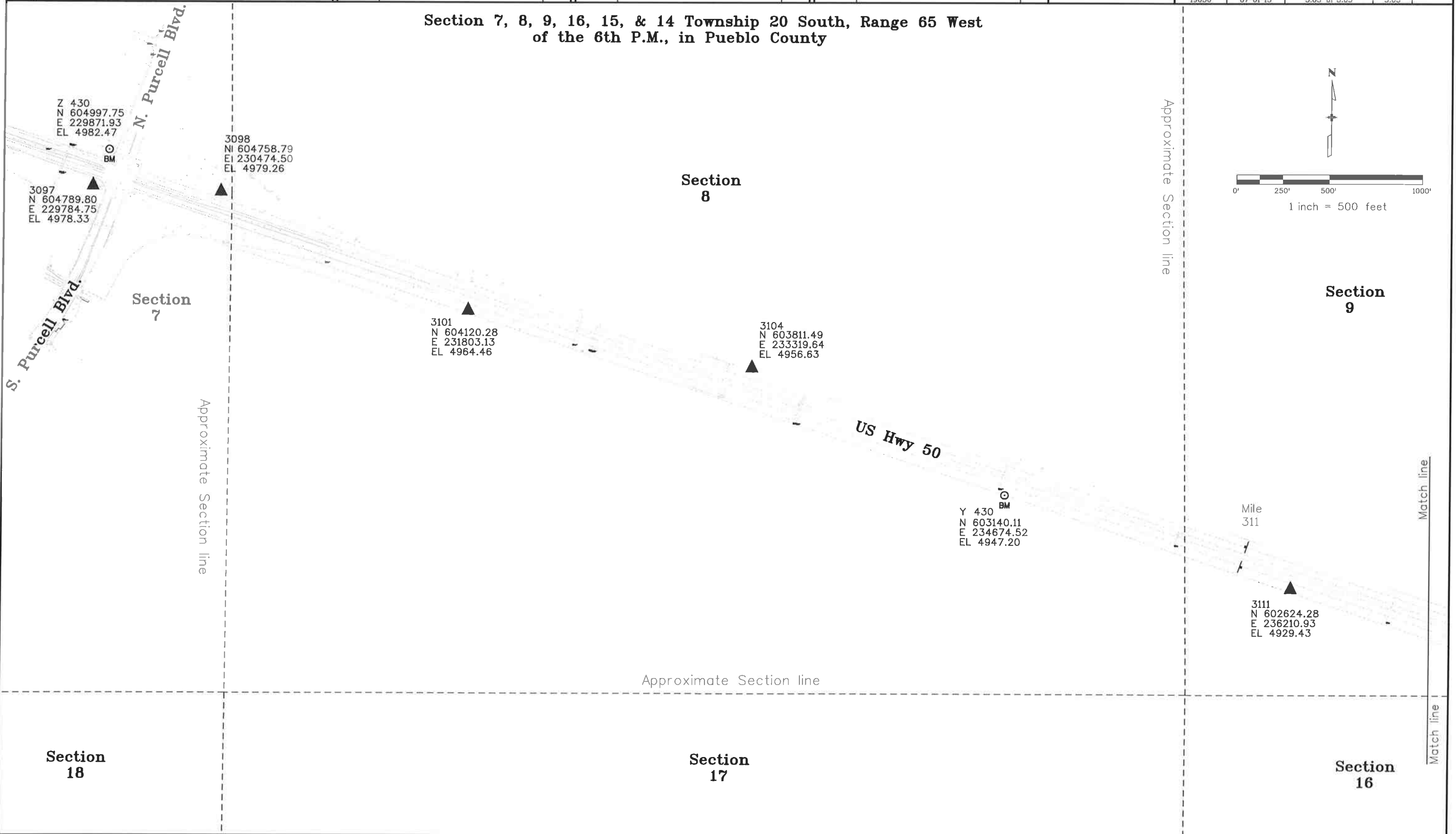
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	Northing(ft)	Easting(ft)		
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3098	604758.79	230474.50	4979.26	CDOT CM TYPE II @ MP 30.98
3101	604120.28	231803.13	4964.46	CDOT CM TYPE II @ MP 31.01
3104	603811.49	233319.64	4956.63	CDOT CM TYPE II @ MP 31.04
3111	602624.28	236210.93	4929.43	CDOT CM TYPE II @ MP 31.11
3114	602174.30	238129.42	4907.97	CDOT CM TYPE II @ MP 31.14
3118	601501.36	239976.38	4881.60	CDOT CM TYPE II @ MP 31.18
3121	601810.24	242437.07	4832.00	CDOT CM TYPE II @ MP 31.21
3127	600817.97	244971.72	4792.97	CDOT CM TYPE II @ MP 31.27
3128	600550.85	245678.68	4804.64	CDOT CM TYPE II @ MP 31.28
W 430	596853.28	241038.51	4824.74	Deep Rod in Mon. Box
Y 430	603140.11	234674.52	4947.20	Deep Rod in Mon. Box
Z 430	604997.75	229871.93	4982.47	Deep Rod in Mon. Box
200	599849.03	249542.18	4884.50	Lead and Tack in Mon. Box

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Project Location: US 50 West			
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Project Code:	Last Mod. Date	Subset	Sheet No.
19056	07-01-13	3.03 of 3.05	3.03 94

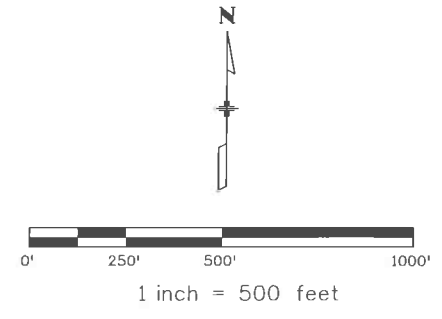
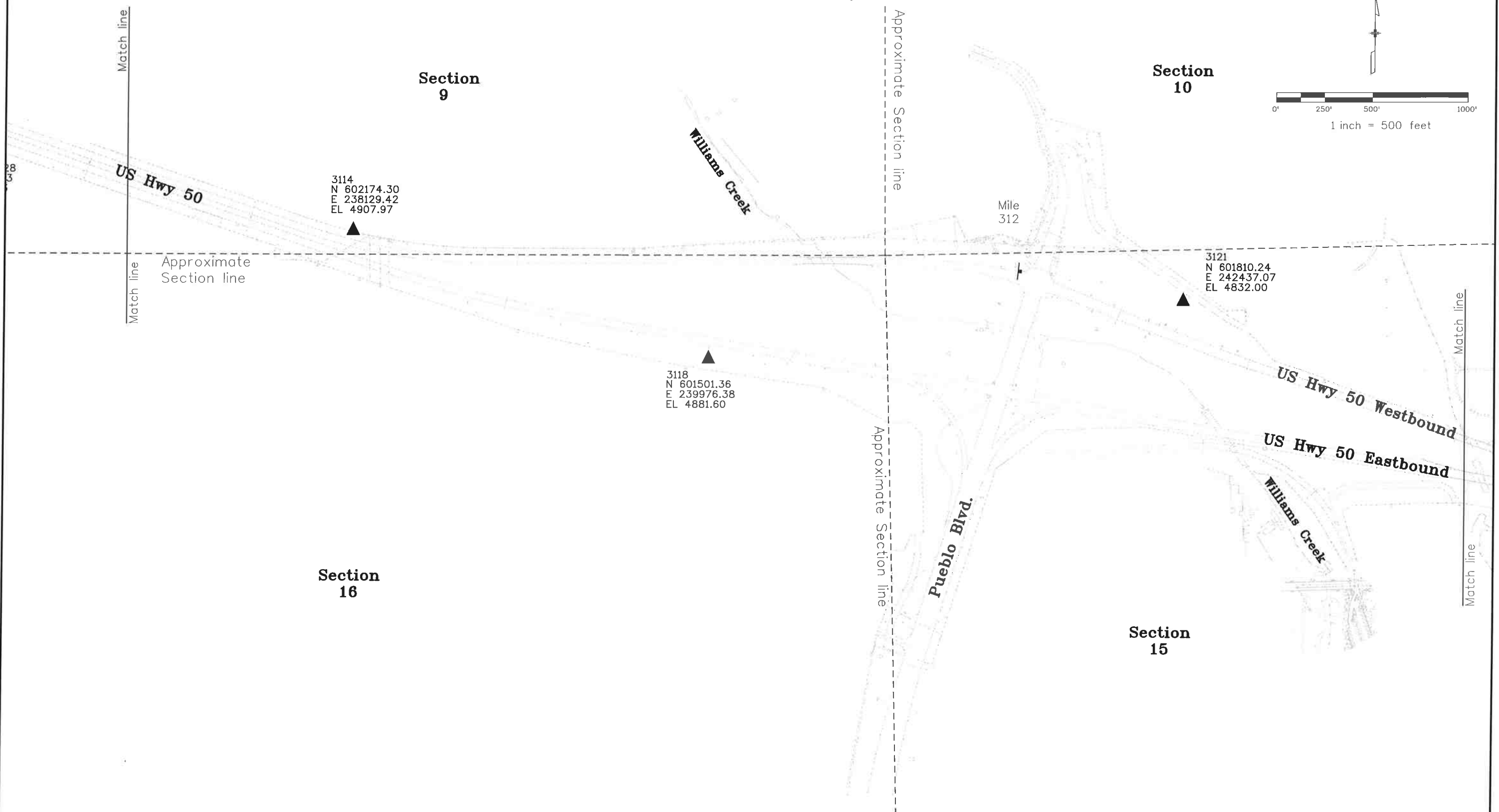
Section 7, 8, 9, 16, 15, & 14 Township 20 South, Range 65 West
 of the 6th P.M., in Pueblo County



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Project Number: STA 050A-022			
Project Location: US 50 West			
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Project Code:	Last Mod. Date:	Subset:	Sheet No.:
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Section 7, 8, 9, 16, 15, & 14 Township 20 South, Range 65 West
 of the 6th P.M., in Pueblo County



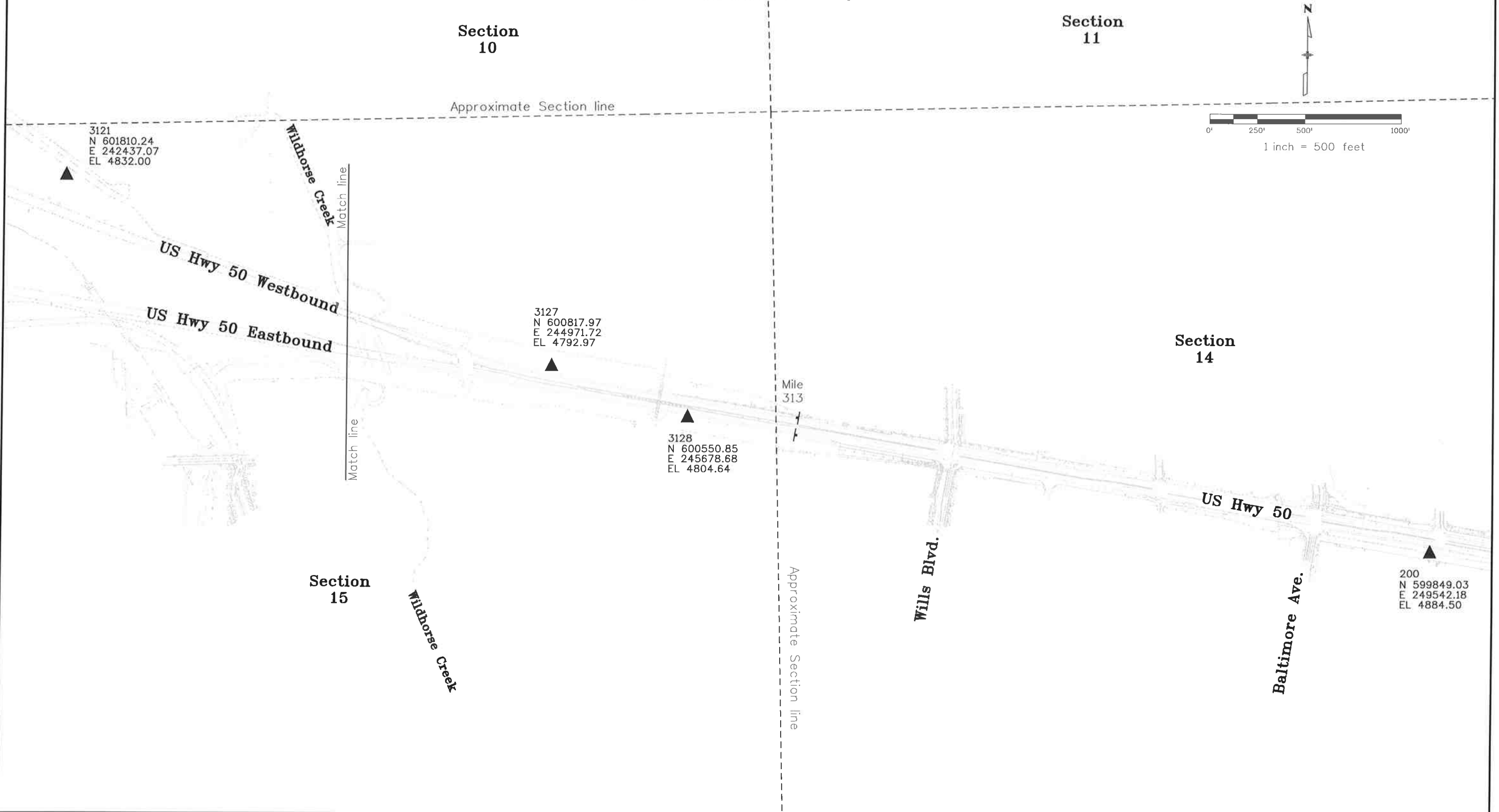
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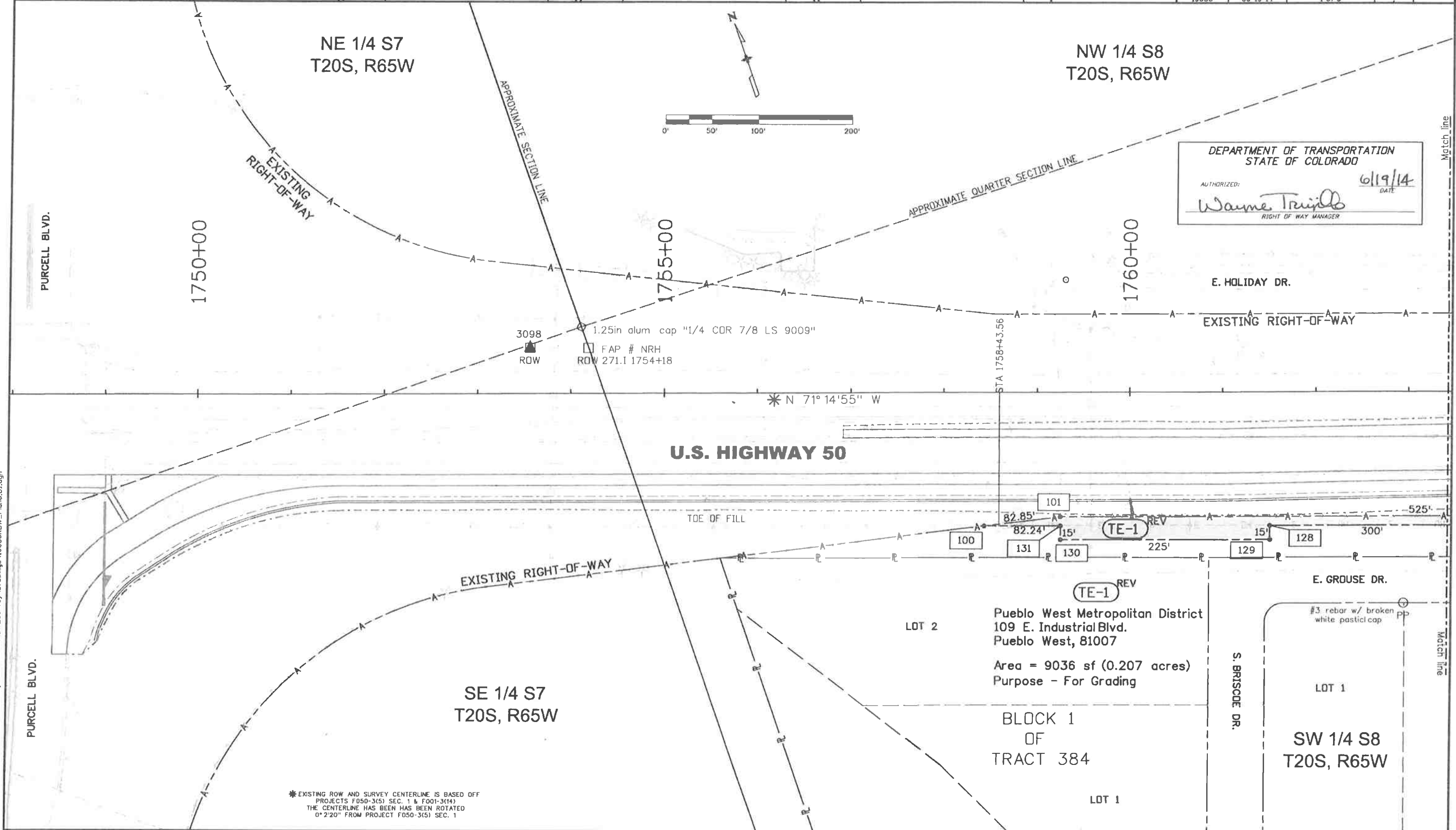
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Project Location: US 50 West				
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Project Code:	Last Mod. Date	Subset	Sheet No.	96
19056	07-01-13	3.05 of 3.05	3.05	

Section 7, 8, 9, 16, 15, & 14 Township 20 South, Range 65 West
 of the 6th P.M., in Pueblo County



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Right of Way Plans				
Plan Sheet				
Project Number: STA 050A-022				
Project Location: US 50 WEST				
PURCELL BLVD. TO WILLS BLVD.				
Project Code:	Last Mod. Date:	Subset:	Sheet No.:	97
19056	06-19-14	1 of 5	?	



DEPARTMENT OF TRANSPORTATION
 STATE OF COLORADO
 AUTHORIZED: *Waime Trujillo* 6/19/14
 RIGHT OF WAY MANAGER

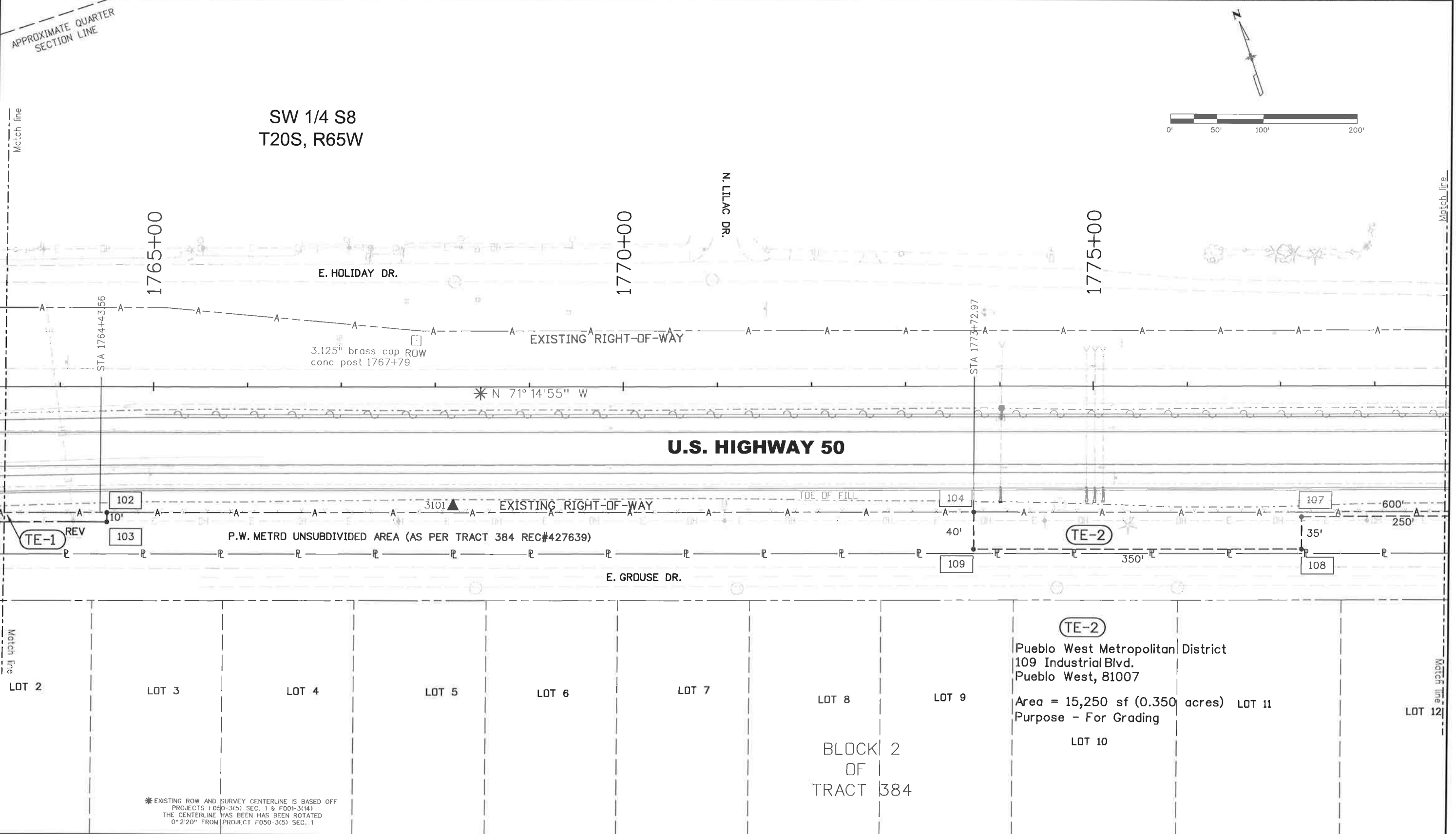
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06/19/14	Revised TE-1	LAW

Sheet Revisions		
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Sheet Revisions		
Date	Description	Initials
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Right of Way Plans			
Plan Sheet			
Project Number: STA 050A-022			
Project Location: US 50 WEST			
PURCELL BLVD. TO WILLS BLVD.			
Project Code:	Last Mod. Date:	Subset:	Sheet No.:
19056	06-19-14	2 of 5	98



* EXISTING ROW AND SURVEY CENTERLINE IS BASED OFF PROJECTS F050-3(5) SEC. 1 & F001-3(14) THE CENTERLINE HAS BEEN ROTATED 0° 2' 20" FROM PROJECT F050-3(5) SEC. 1

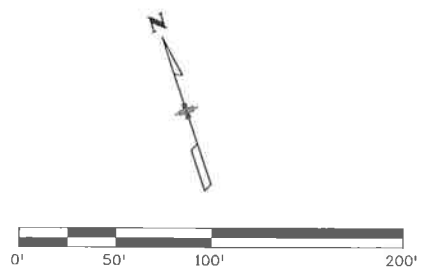
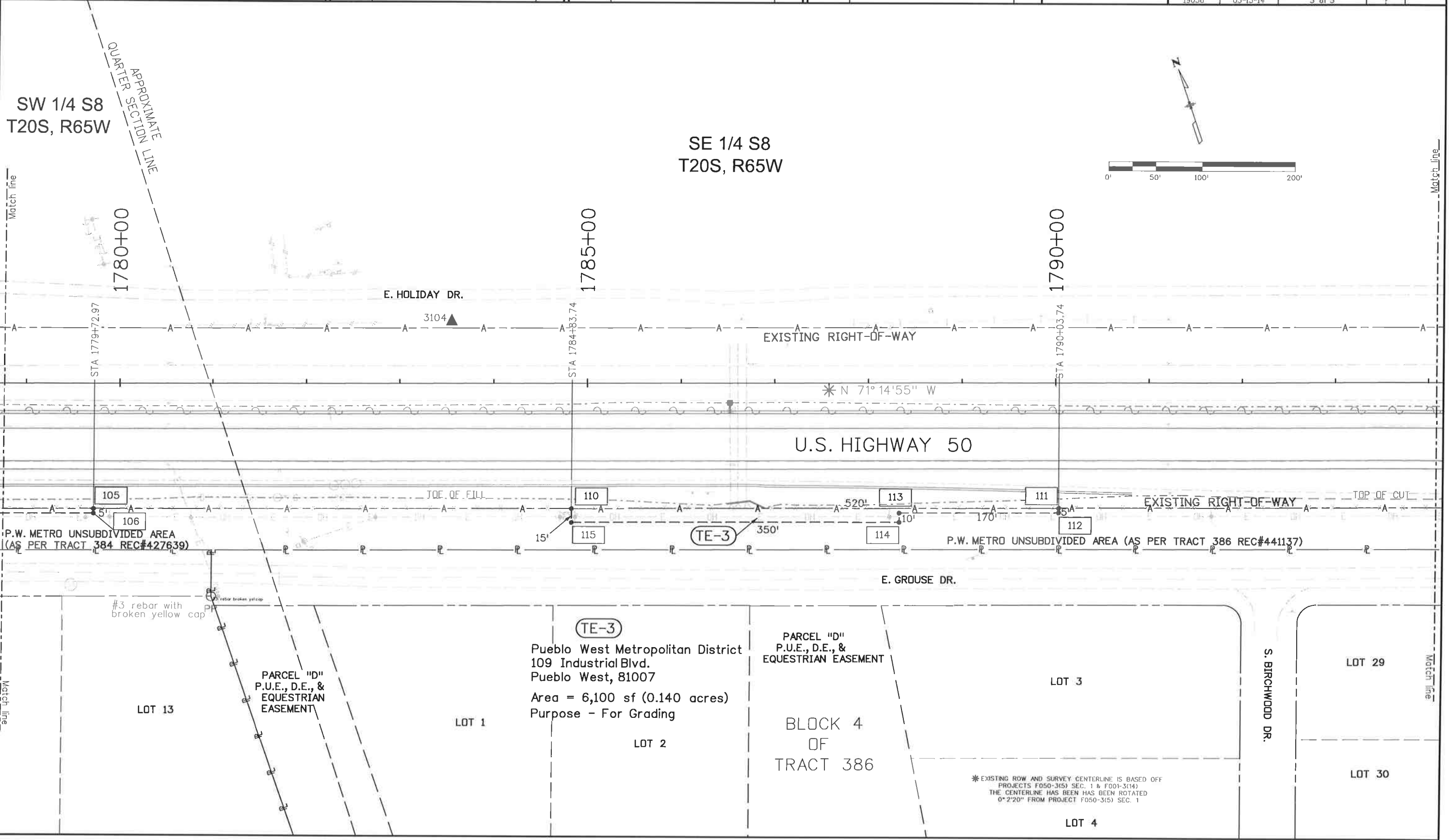
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Sheet Revisions		
Date	Description	Initials
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Right of Way Plans				
Plan Sheet				
Project Number: STA 050A-022				
Project Location: US 50 WEST				
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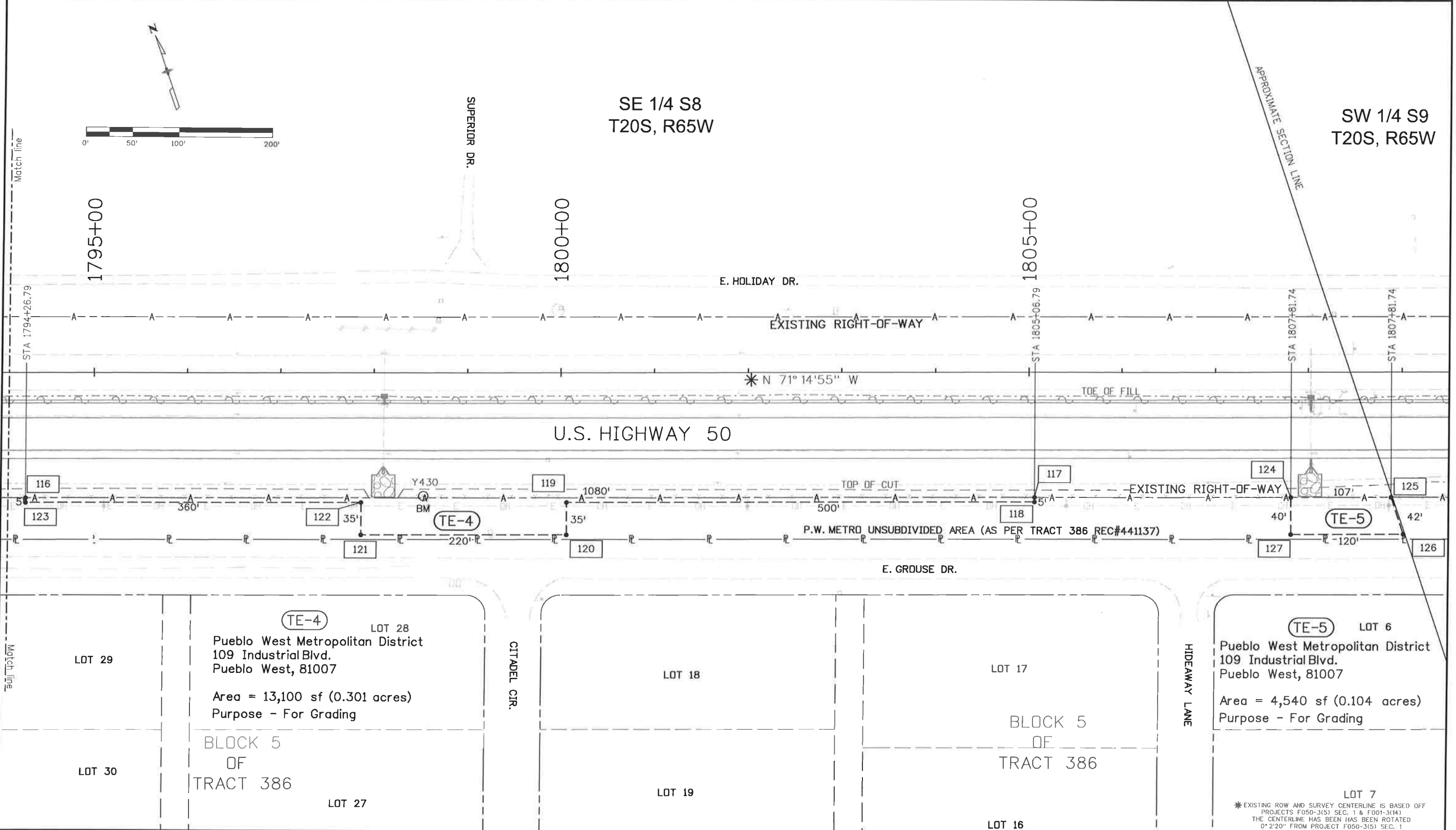


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* EXISTING ROW AND SURVEY CENTERLINE IS BASED OFF PROJECTS F050-3(5) SEC. 1 & F001-3(14) THE CENTERLINE HAS BEEN ROTATED 0° 2' 20" FROM PROJECT F050-3(5) SEC. 1

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Date	Description	Initials	Date	Description	Initials	Date	Description	Initials
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Right of Way Plans				
Plan Sheet				
Project Number: STA 050A-022				
Project Location: US 50 WEST				
PURCELL BLVD. TO WILLS BLVD.				
Project Code:	Last Mod. Date:	Subset:	Sheet No.:	100
19056	05-15-14	4 of 5	?	



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* EXISTING ROW AND SURVEY CENTERLINE IS BASED OFF PROJECTS F050-3(5) SEC. 1 & F001-3(14) THE CENTERLINE HAS BEEN ROTATED 0° 2' 20" FROM PROJECT F050-3(5) SEC. 1



Sheet Revisions		
Date	Description	Initials
06-19-14	Revised & added pts to TE-1	LAW

Sheet Revisions		
Date	Description	Initials
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Sheet Revisions		
Date	Description	Initials
MM-DD-YY	XXXXXXXX	XXX

Right of Way Plans Monumentation Sheet				
Project Number: STA 050A-022				
Project Location: US 50 WEST PURCELL BLVD. TO WILLS BLVD.				
Project Code:	Last Mod. Date:	Subset	Sheet No.	101
19056	06-19-14	5 of 5		

TABULATION OF TEMPORARY EASEMENT POINTS TO BE STAKED

XX

Point No.	Northing(ft)	Easting(ft)	Description
100	604,417.83	230,873.22	TE-1 ^{REV}
101	604,400.87	230,954.31	TE-1 ^{REV}
102	604,234.43	231,444.59	TE-1 ^{REV}
103	604,224.96	231,441.37	TE-1 ^{REV}
104	603,935.66	232,324.67	TE-2
105	603,742.78	232,892.82	TE-2
106	603,738.04	232,891.21	TE-2
107	603,818.41	232,654.48	TE-2
108	603,785.27	232,643.23	TE-2
109	603,897.78	232,311.81	TE-2
110	603,578.58	233,376.48	TE-3
111	603,411.42	233,868.88	TE-3
112	603,406.69	233,867.28	TE-3
113	603,461.34	233,706.30	TE-3
114	603,451.87	233,703.08	TE-3
115	603,564.38	233,371.66	TE-3
116	603,275.43	234,269.48	TE-4
117	602,928.25	235,292.16	TE-4
118	602,923.51	235,290.55	TE-4
119	603,084.25	234,817.09	TE-4
120	603,051.10	234,805.84	TE-4
121	603,121.82	234,597.51	TE-4
122	603,154.97	234,608.77	TE-4
123	603,270.69	234,267.87	TE-4
124	602,839.86	235,552.51	TE-5
125	602,805.47	235,653.83	TE-5
126	602,763.41	235,653.28	TE-5
127	602,801.99	235,539.65	TE-5
128	604,319.07	231,164.15	TE-1 ^{REV}
129	604,304.87	231,159.33	TE-1 ^{REV}
130	604,377.19	230,946.27	TE-1 ^{REV}
131	604,391.40	230,951.09	TE-1 ^{REV}

General Notes:

- All centerline and offset stationing may not represent the centerline as constructed in the field.
- Refer to the M-629-1 Survey Monuments of the Standard Plans dated July, 2006 found in The Colorado Department of Transportation, M & S Standards for survey monument descriptions.
- This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDDT that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.

COORDINATE DATUM: Project coordinates are modified Colorado State Plane South 0503 Zone NAD '83/(2011) coordinates. The combined elevation/scale factor used to modify the coordinates from state plane to project coordinates is 0.9997446793. The resulting project coordinates are truncated by 1,000,000sf in the Northing and 3,000,000sf in the Easting after converting from state plane coordinates to project coordinates. The CHARN is based on the NAD '83(2011) datum.
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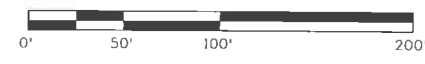
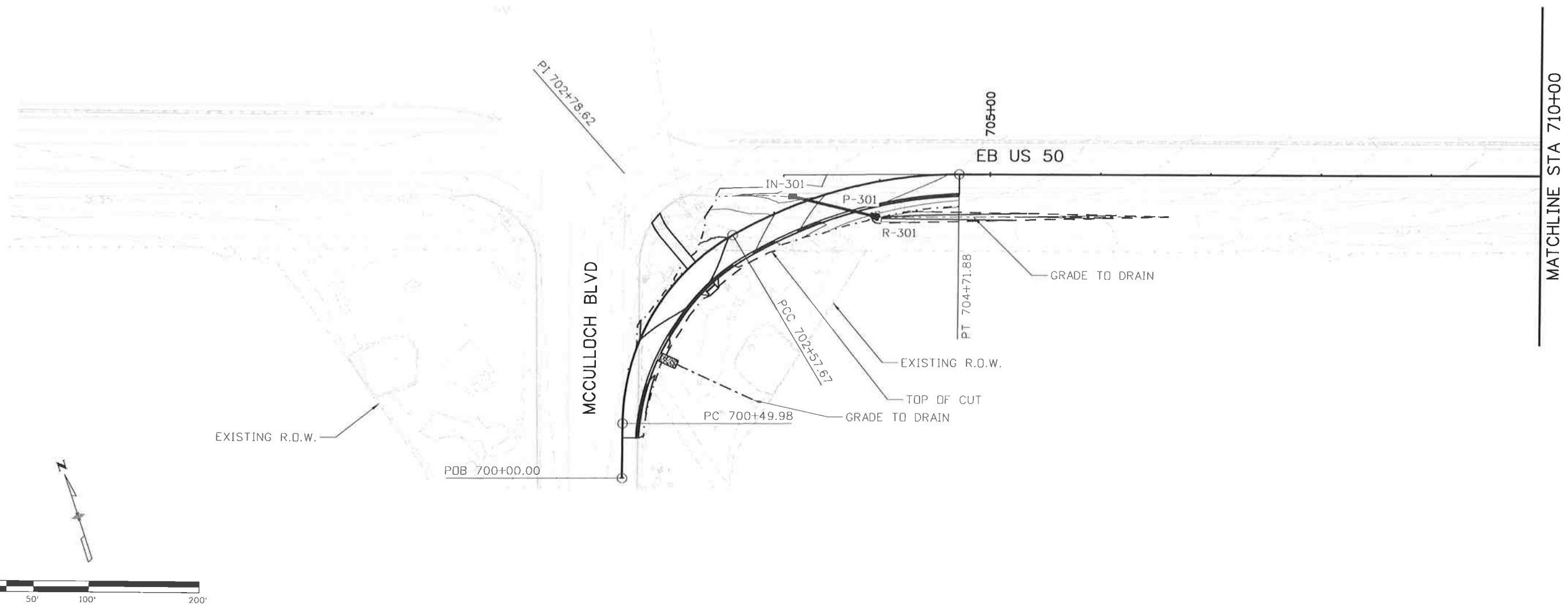
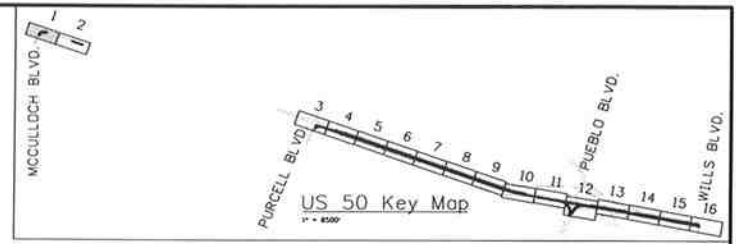
SURVEYOR STATEMENT (R.O.W. MONUMENTS)

I, Lorelei Ward, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that based upon my knowledge, information and belief, adequate research, calculations and evaluation of survey evidence were performed and the Right-of-Way monuments depicted on this Right-of-Way Plan were set under my responsible charge in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

PLS No. 34982



Know what's below.
Call before you dig.

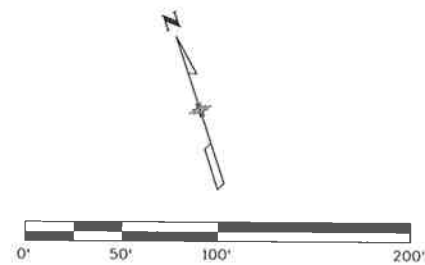
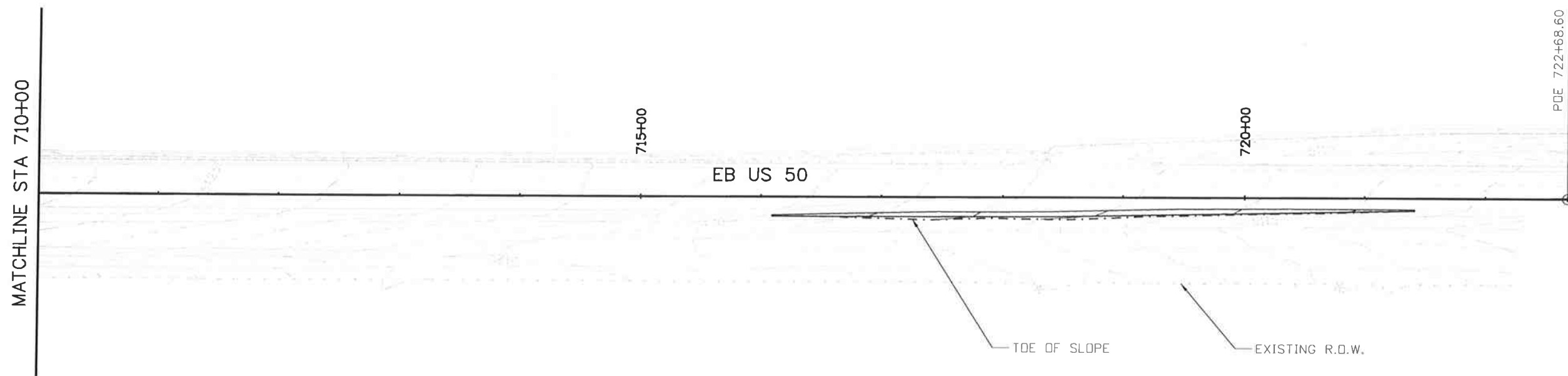
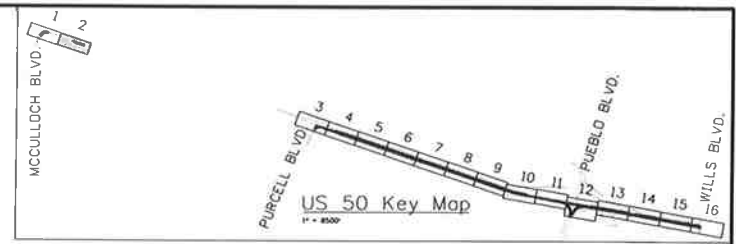


Print Date: 10/9/2014		Sheet Revisions Date: Comments Init.		Colorado Department of Transportation 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2 DTD		As Constructed No Revisions:		US 50 WEST GRADING AND DRAINAGE PLAN 700+37.13 TO 710+00.00		Project No./Code FSA 0503-081	
File Name: 19056_HYD-Basin-Sheet01.dgn						Revised: Void:				Designer: LM Structure Detailer: AB Numbers Subset: DP Subset Sheets: DP01 of 16	
Horiz. Scale: 1:100 Vert. Scale:											
J.F. SAITD AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120											

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Know what's below.
Call before you dig.



Print Date: 10/9/2014
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Horiz. Scale: 1:100 Vert. Scale:
JFS&A J. F. SAID AND ASSOCIATES 5898 South Ropp 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:
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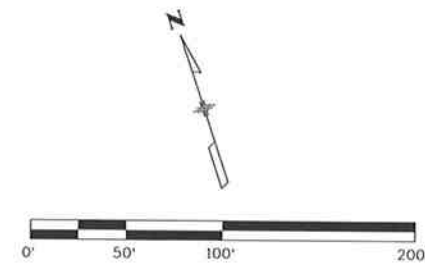
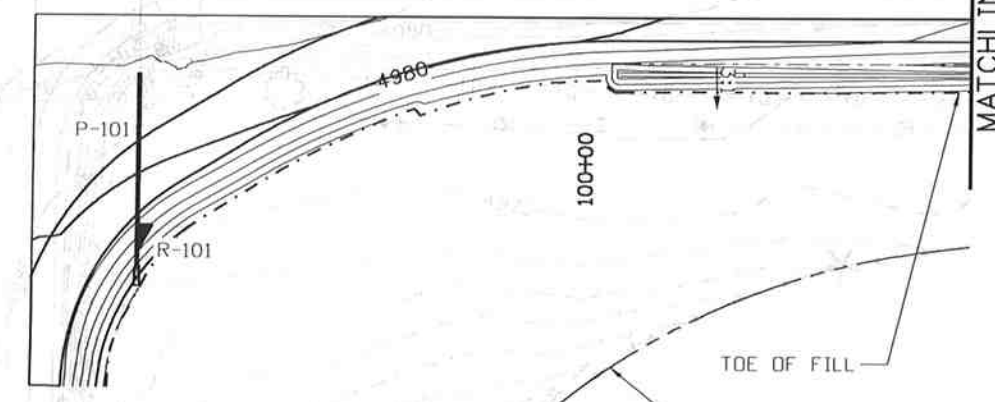
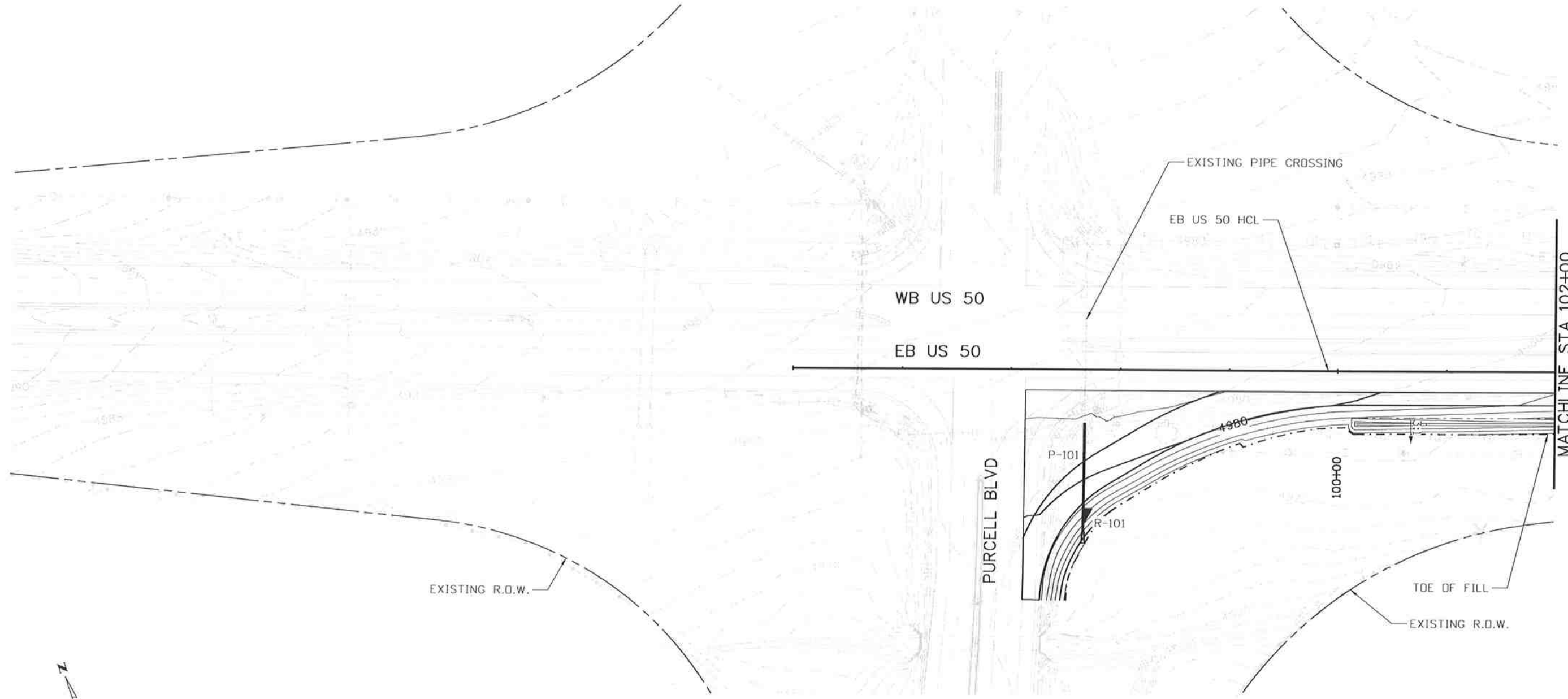
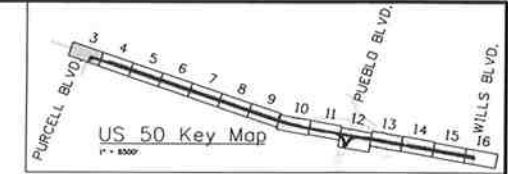
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Detailer:	AB	Numbers
Subset:	DP	Subset Sheets: DP02 of 16

Project No./Code
FSA 0503-081
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Sheet Number 103

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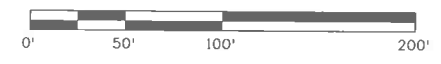
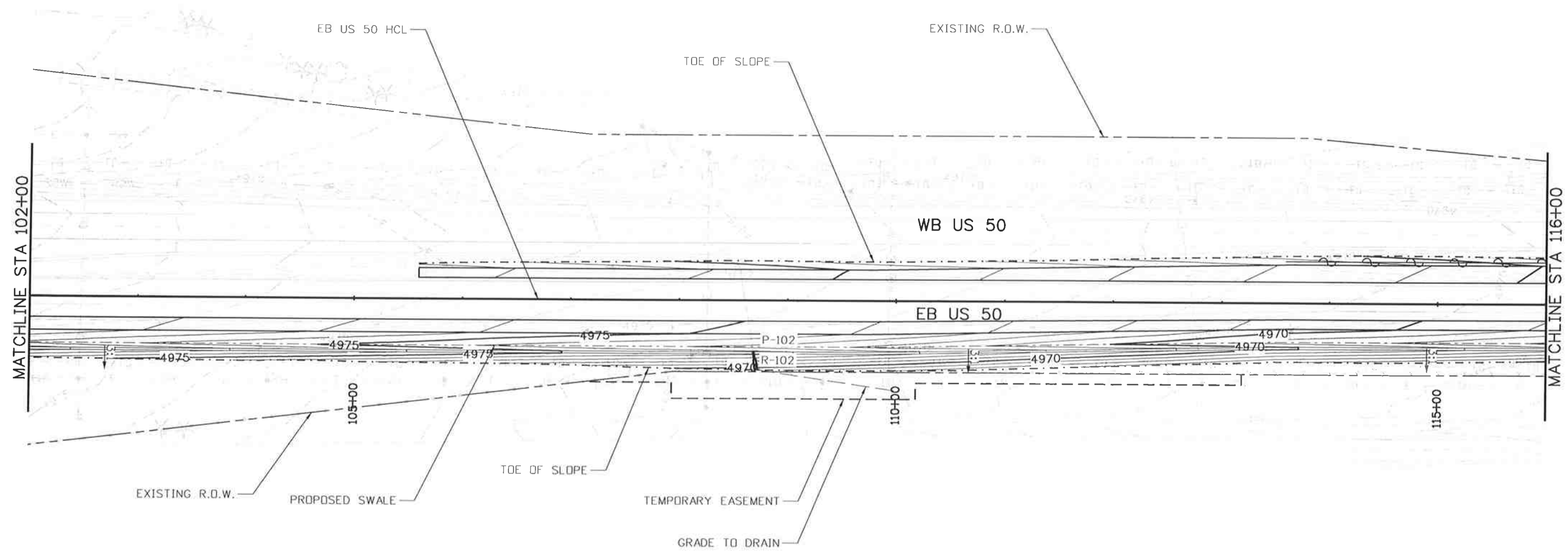
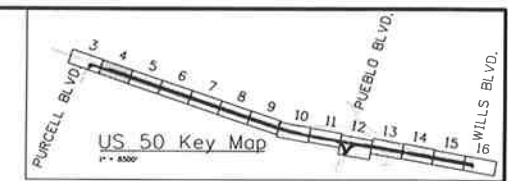


Print Date: 10/9/2014		 Colorado Department of Transportation 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2 DTD	As Constructed No Revisions: Revised: Void:	US 50 WEST GRADING AND DRAINAGE PLAN 95+00.00 TO 102+00.00		Project No./Code	
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 J. F. SAID AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120				Designer: LM Structure Detailer: AB Numbers Subset: DP Subset Sheets: DP03of 16	Sheet Number 104		

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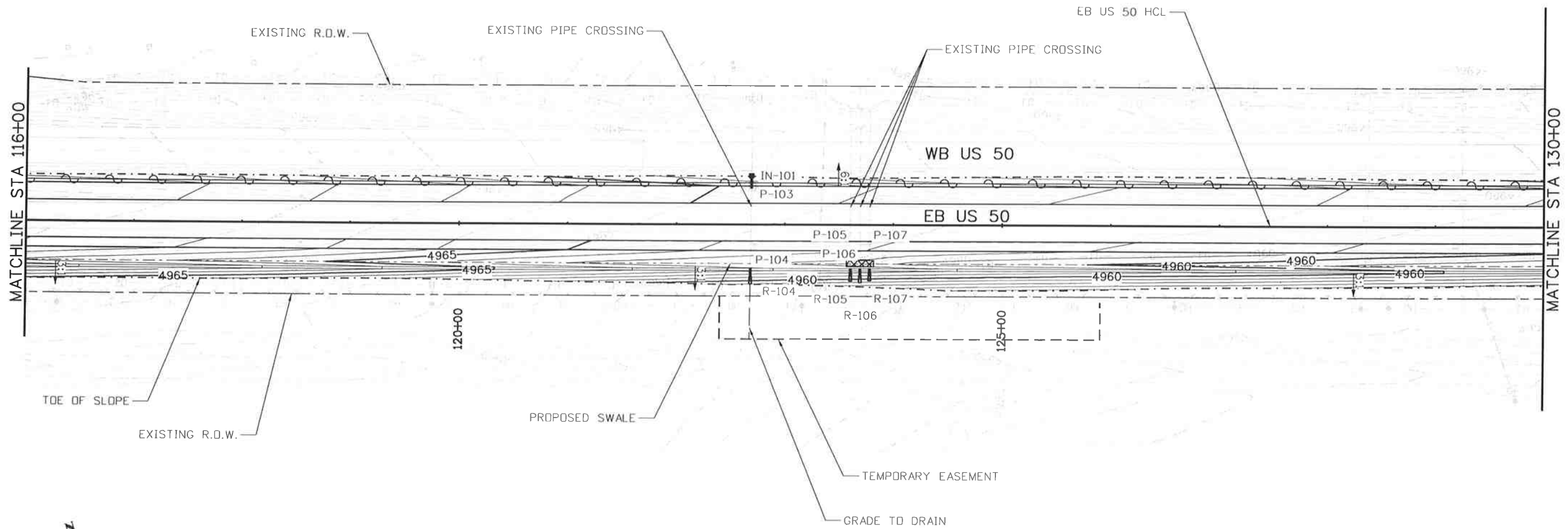
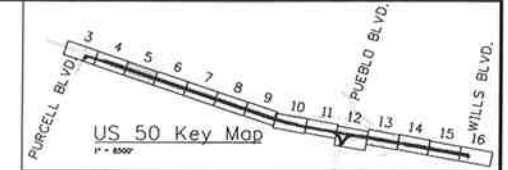


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File Name: 19056_HYD-Basin-Sheet05.dgn

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US 50 WEST
GRADING AND DRAINAGE PLAN
116+00.00 TO 130+00.00

Designer:	LM	Structure	
Detailer:	AB	Numbers	
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Project No./Code

FSA 0503-081

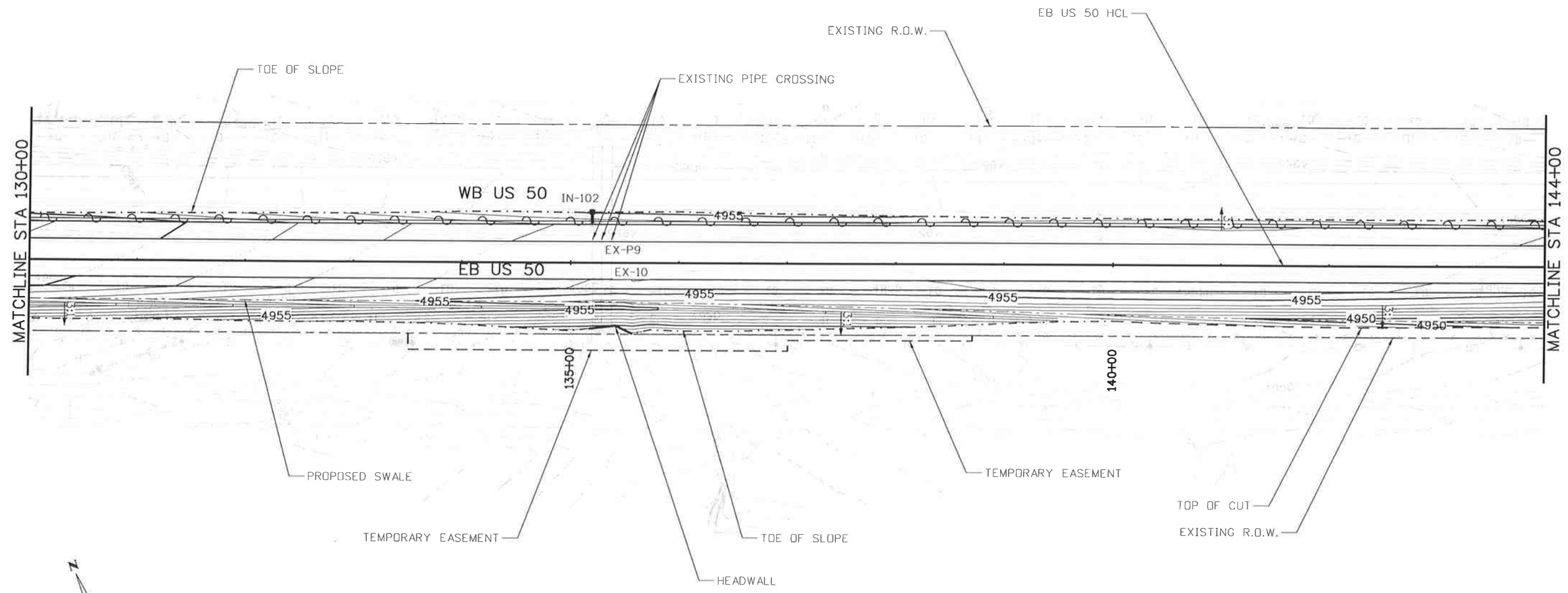
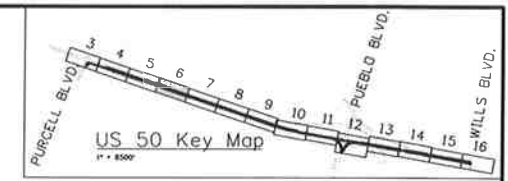
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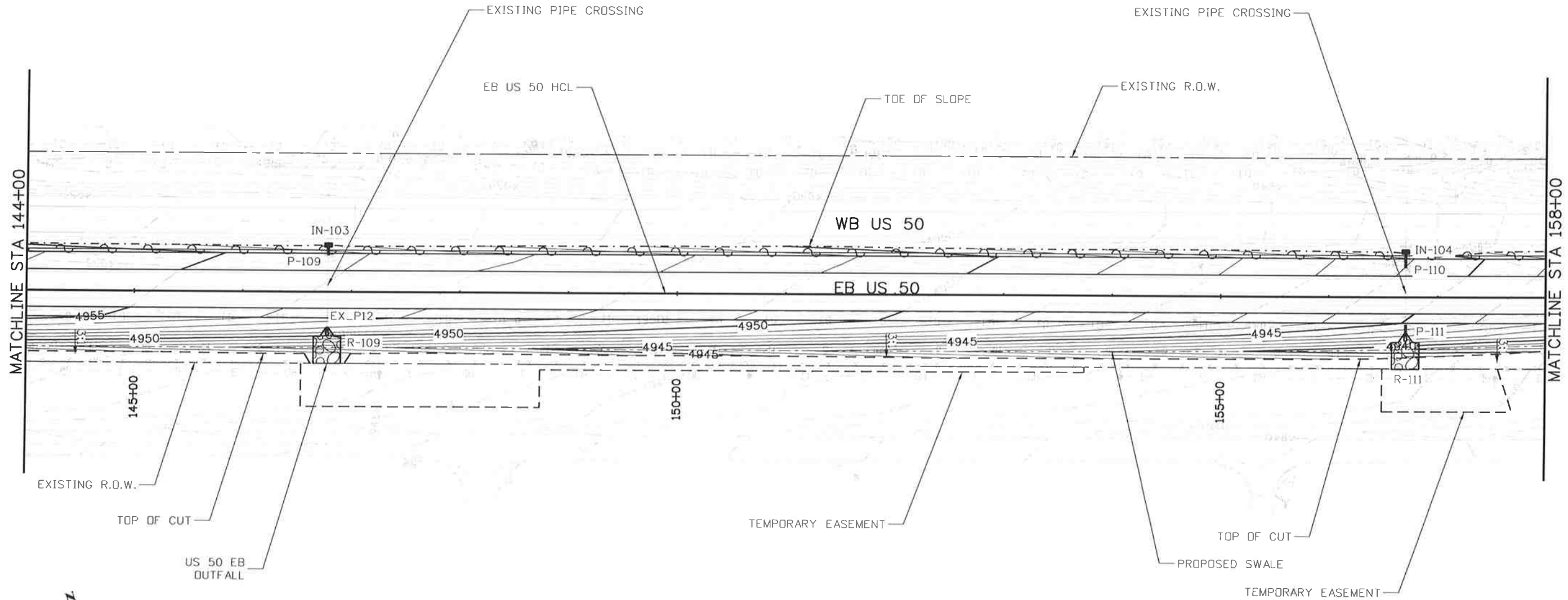
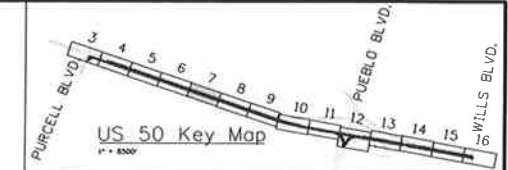
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Horiz. Scale: 1:100 Vert. Scale:				Region 2		Revised: Void:		Designer: LM Structure Detailer: AB Numbers Subset: DR Subset Sheets: DR06 of 16		19751 Sheet Number 107	

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US 50 WEST
GRADING AND DRAINAGE PLAN
144+00.00 TO 158+00.00

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Subset:	DR	Subset Sheets:	DR07 of 16

Project No./Code

FSA 0503-081

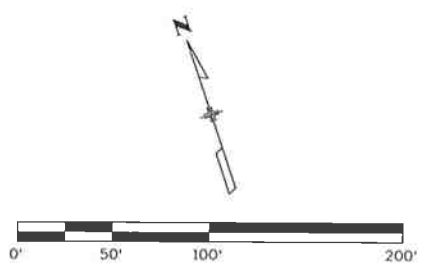
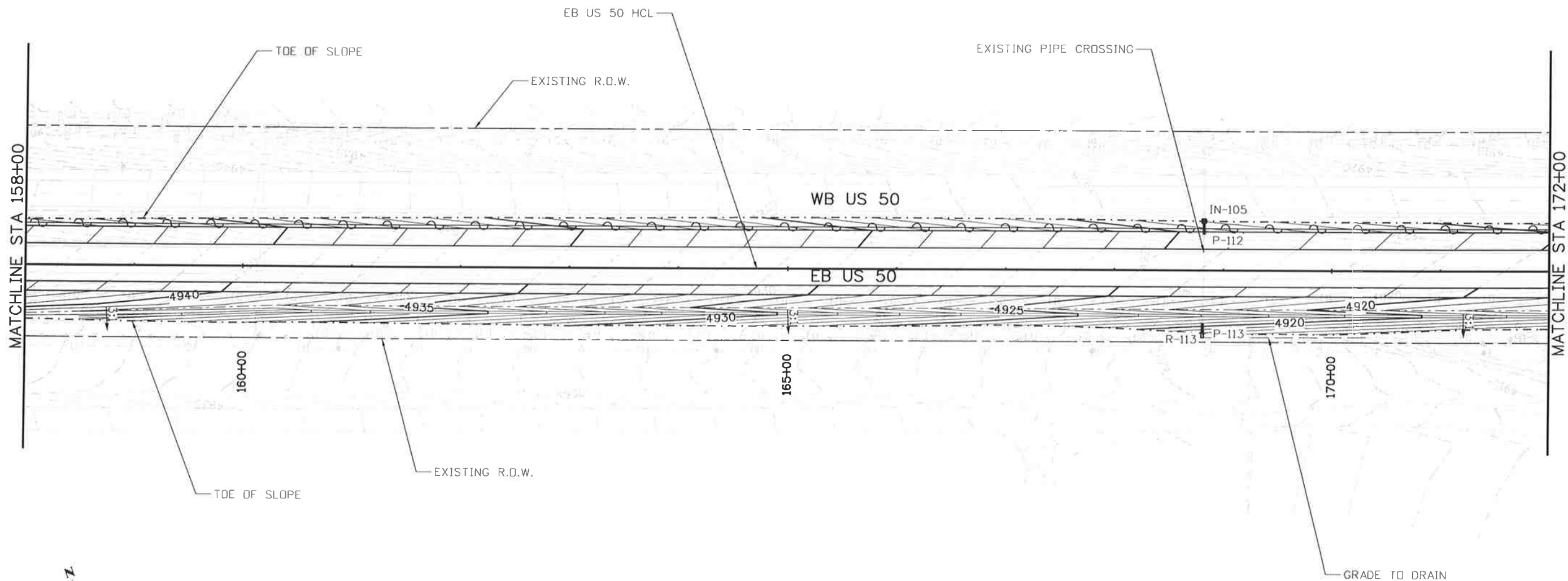
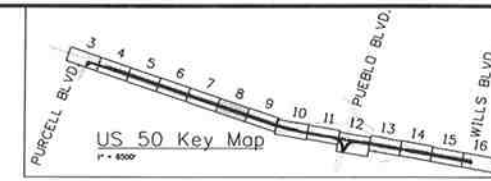
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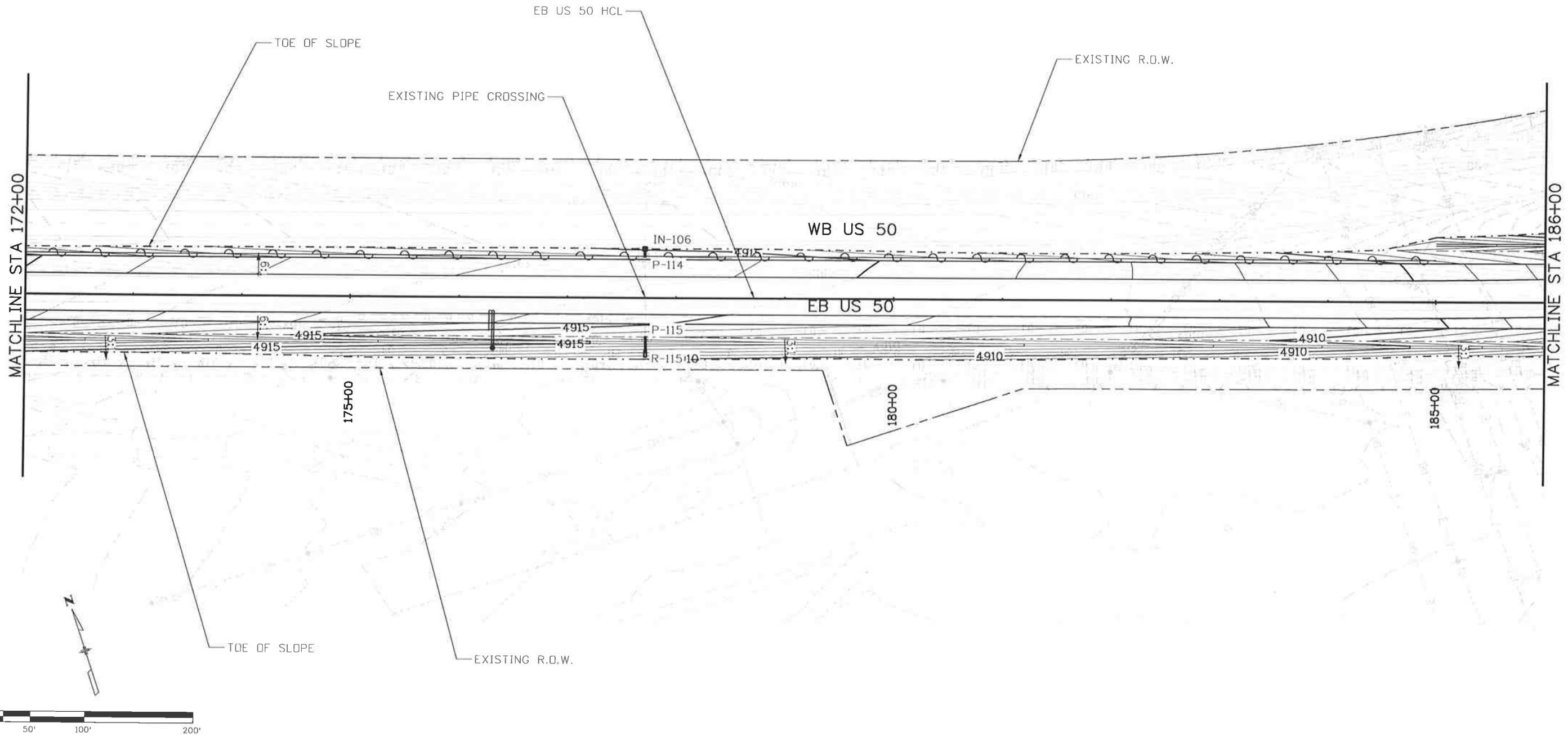
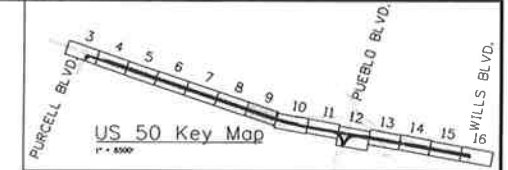


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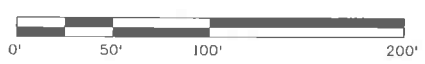
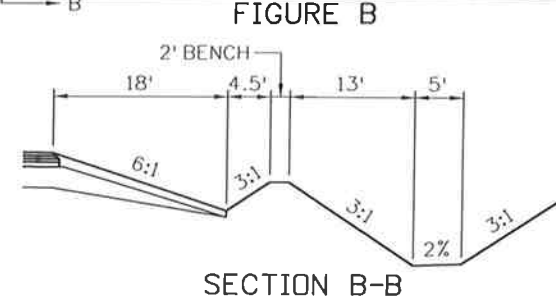
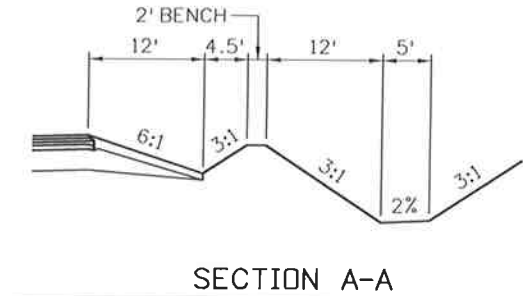
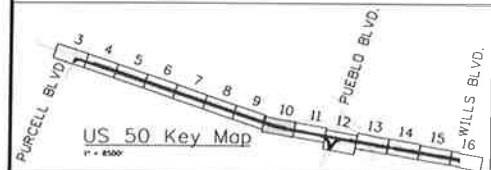
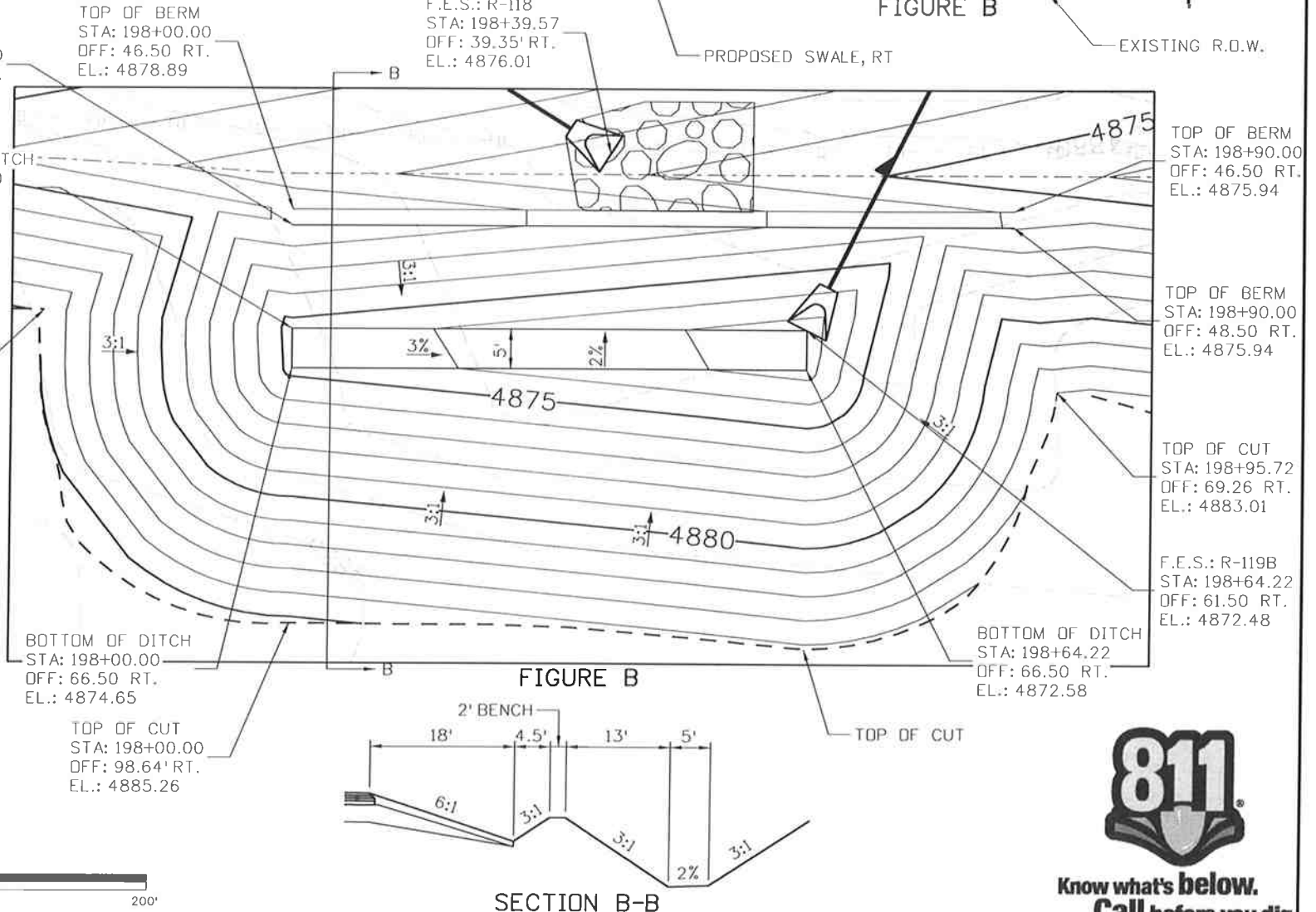
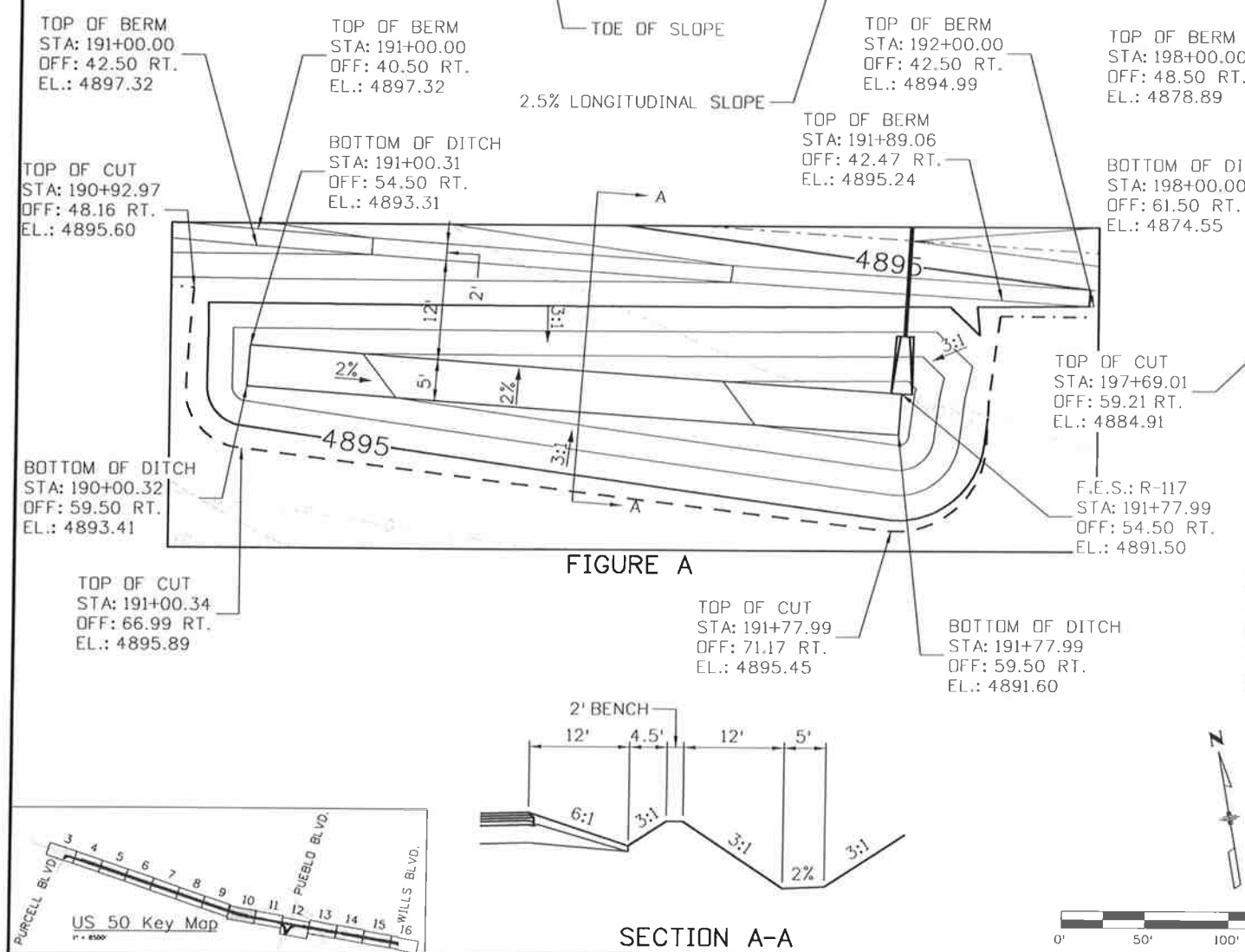
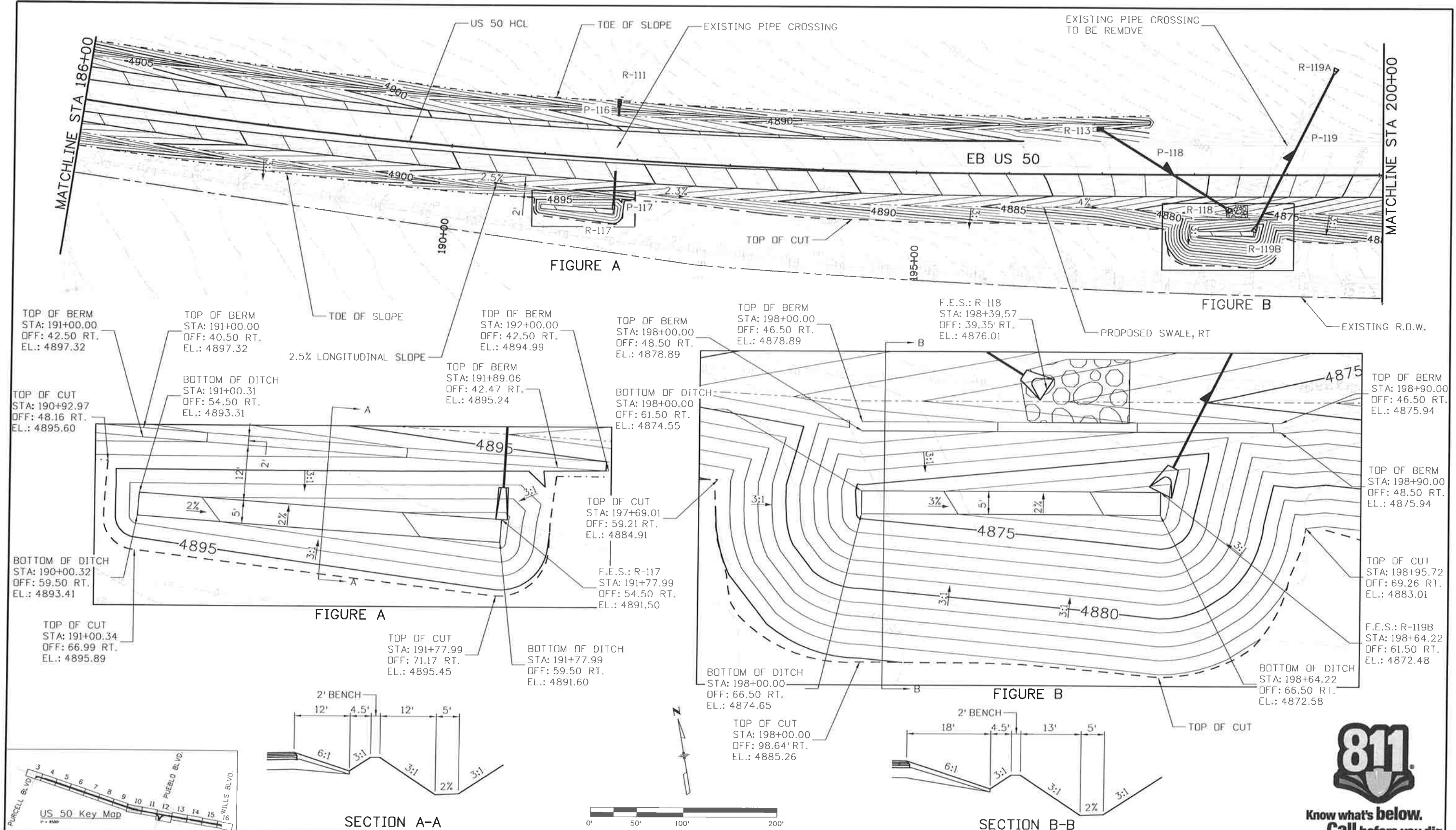


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 No Revisions:
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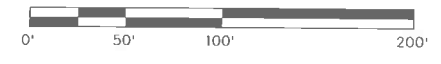
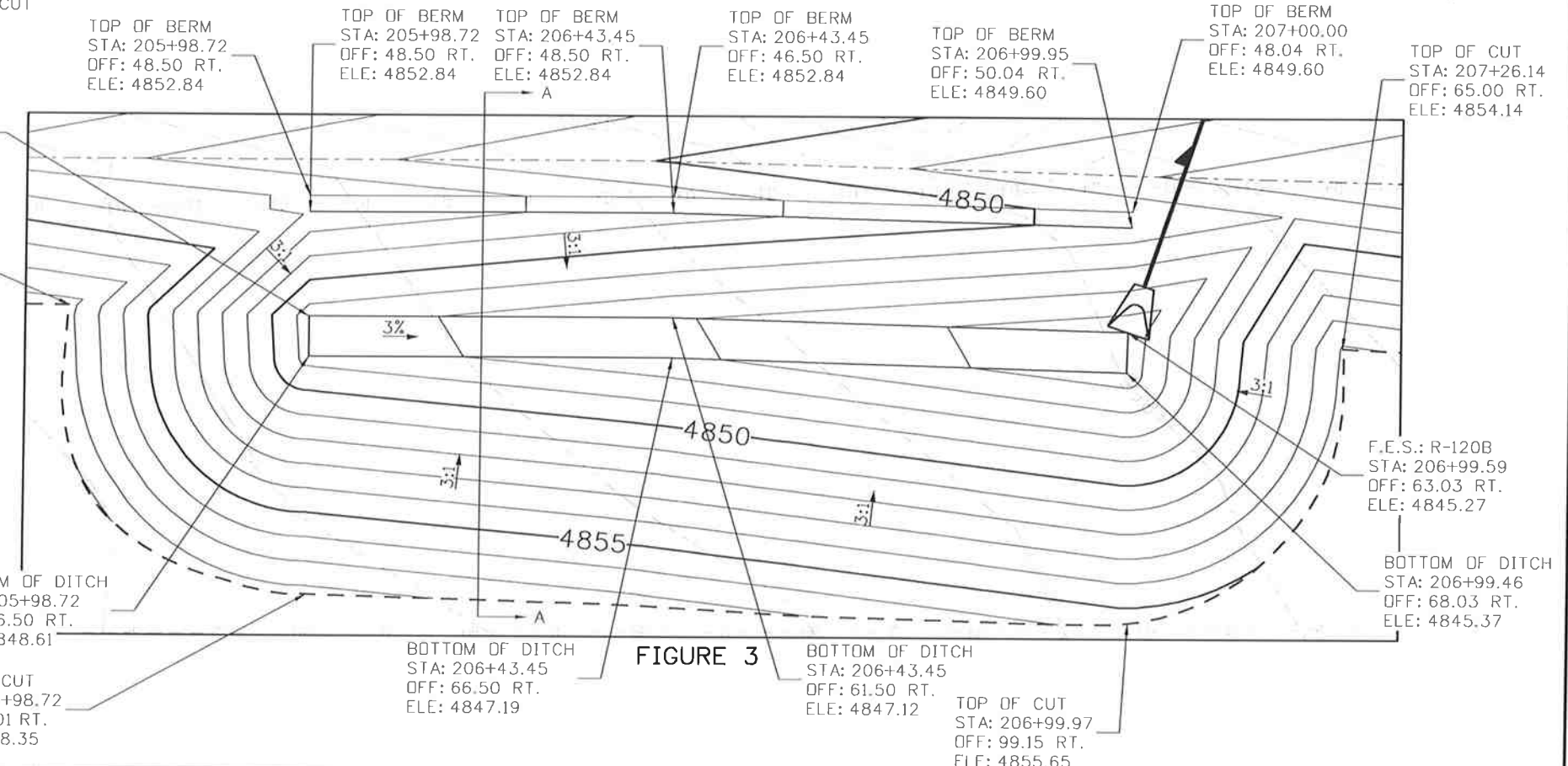
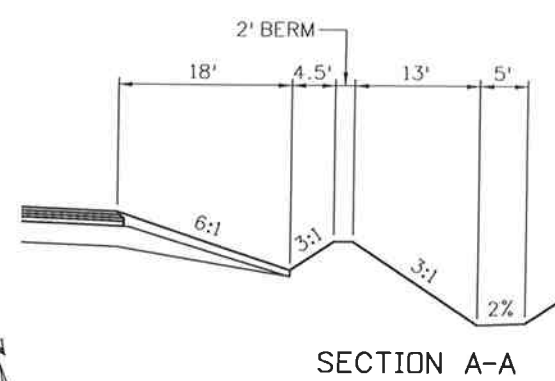
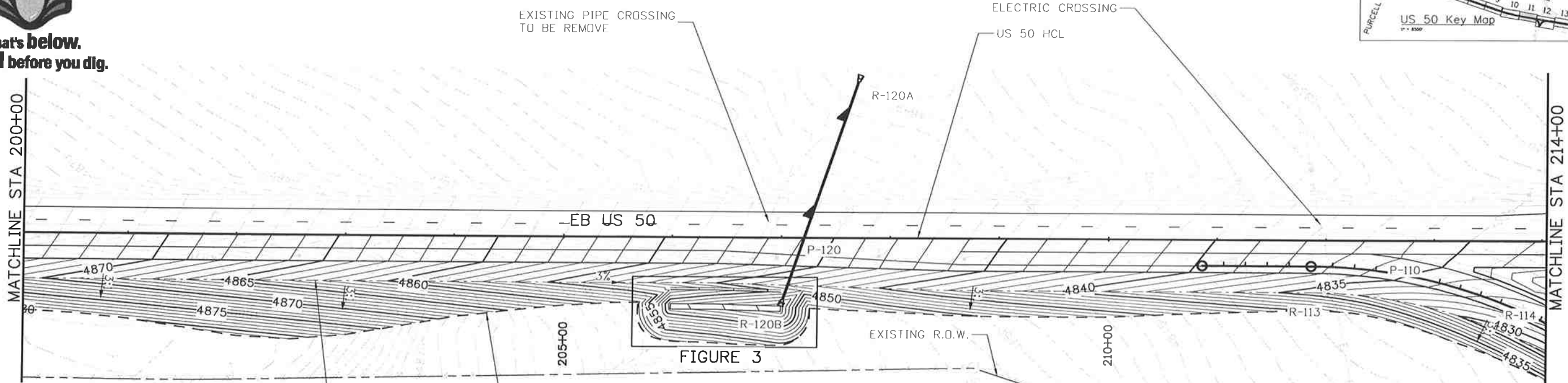
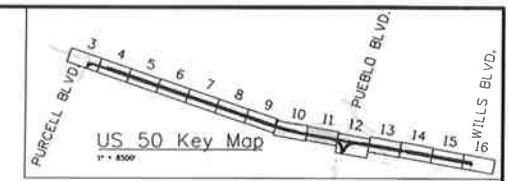
US 50 WEST
 GRADING AND DRAINAGE PLAN
 186+00.00 TO 200+00.00
 Designer: LM Structure
 Detailer: LM Numbers
 Subset: Drainage Subset Sheets: DR10 of 16

Project No./Code
 FSA 0503-081
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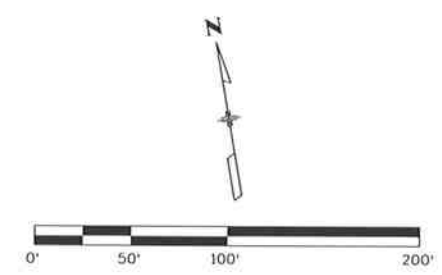
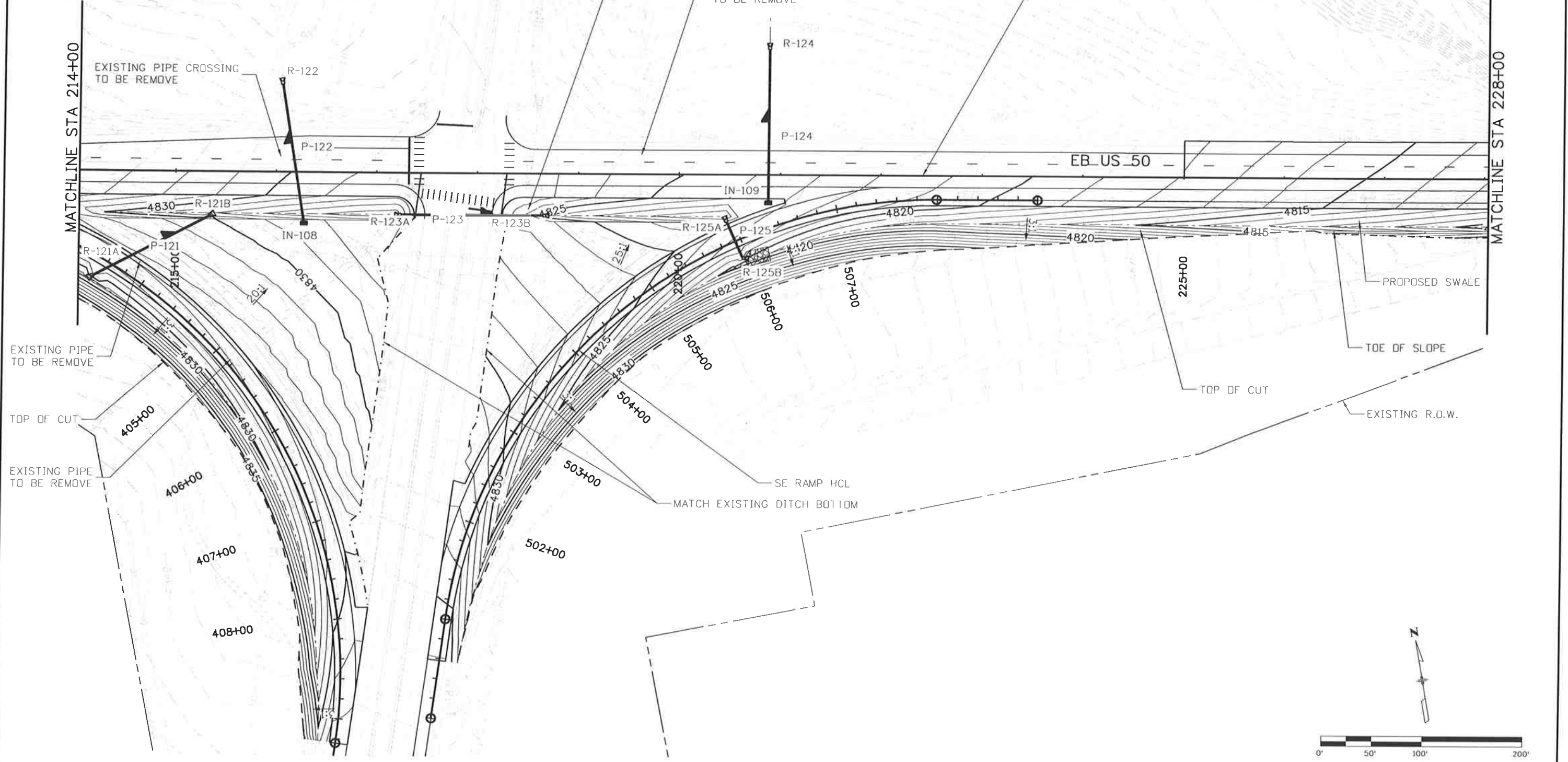
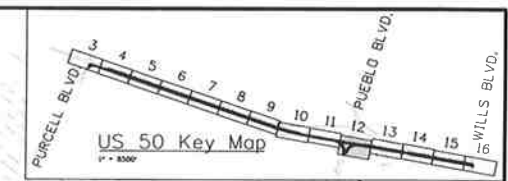


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Horiz. Scale: 1:100 Vert. Scale:					Region 2 DTD		Revised:		19751		
JFS&A J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120							Void:		Sheet Number 112		
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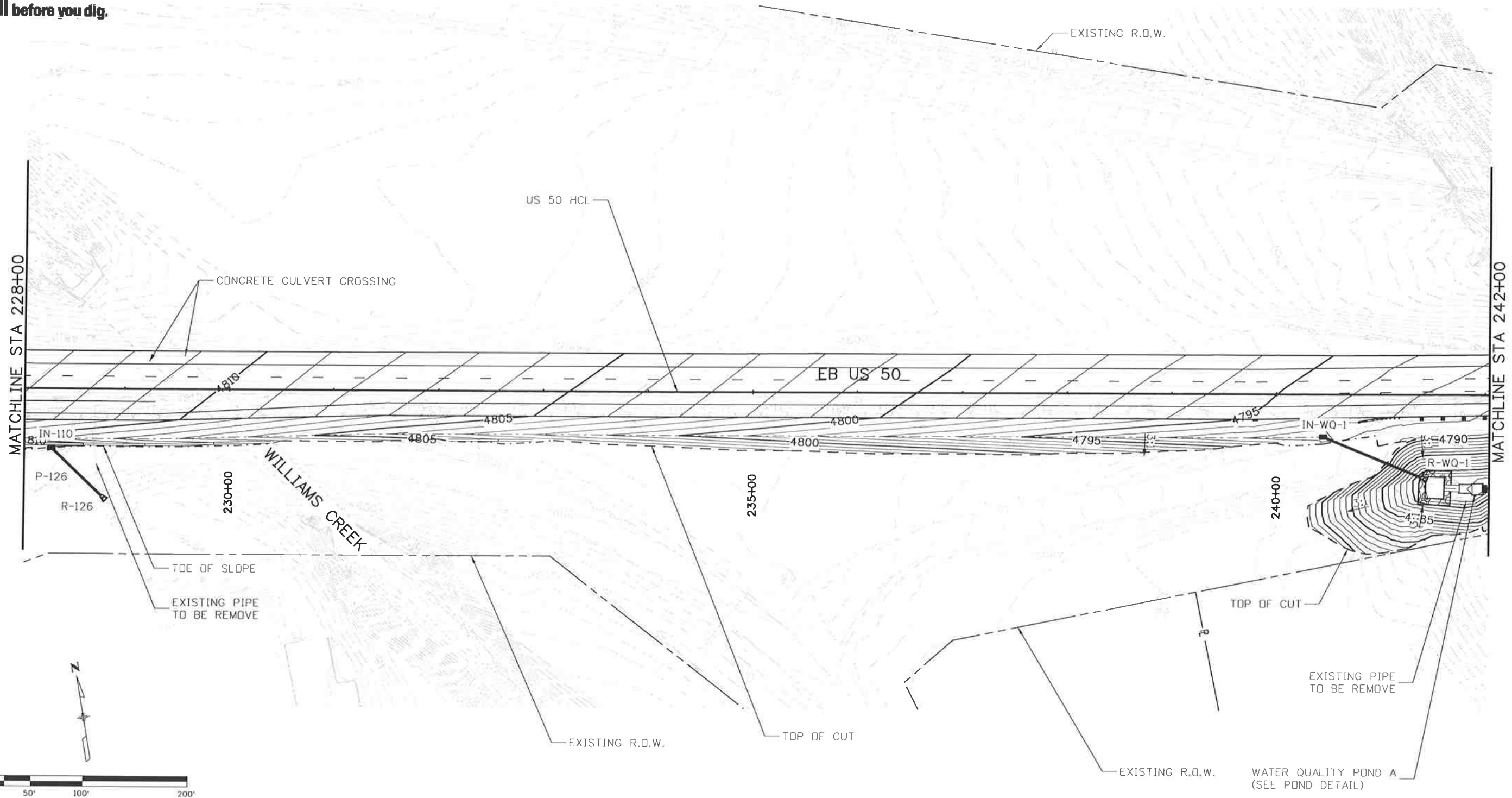
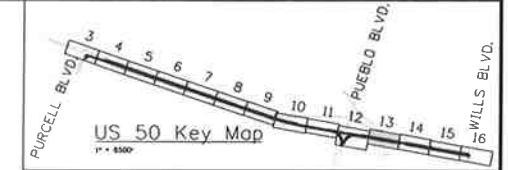


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J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120							Void:		Sheet Number 113		
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US 50 WEST
 GRADING AND DRAINAGE PLAN
 228+00.00 TO 242+00.00

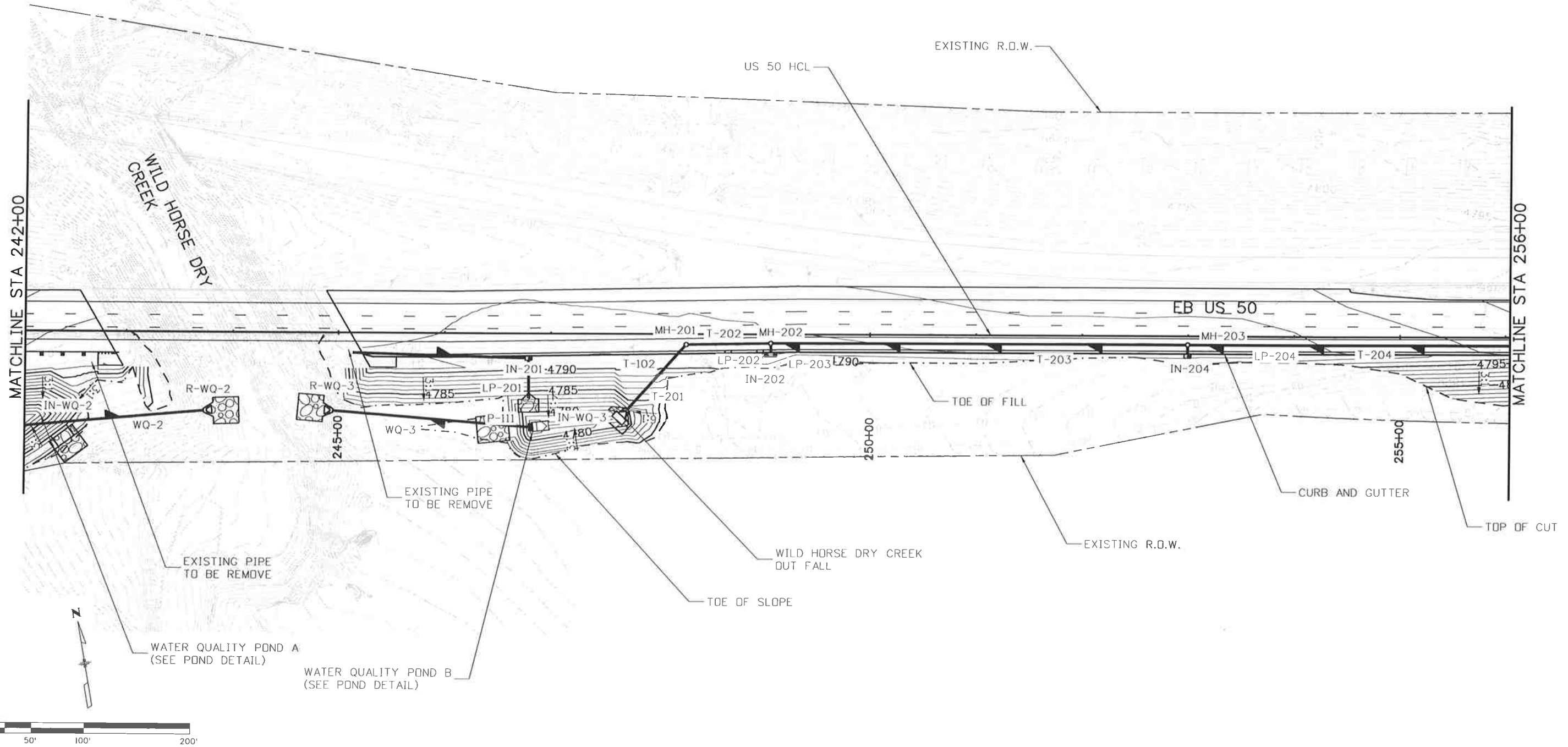
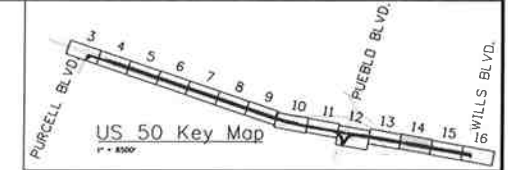
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Project No./Code
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 Sheet Number 114

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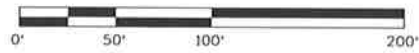
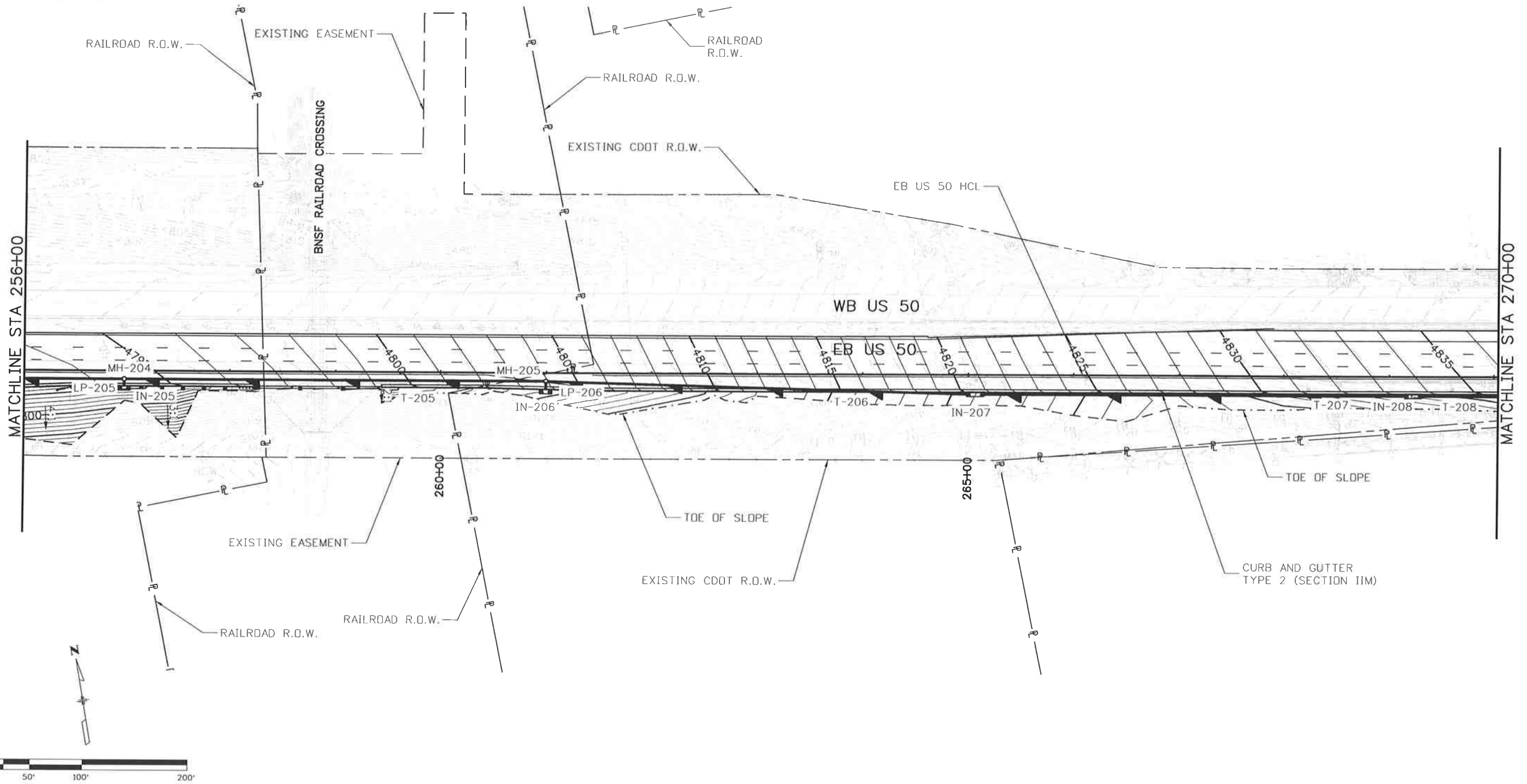
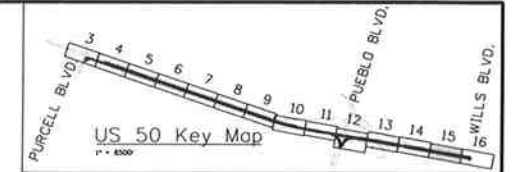


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J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120							Void:		Designer: LM Detailer: LM Subset: DR		Sheet Number 115
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 Phone: 719-562-5509 FAX: 719-546-5702
Region 2 **DTD**

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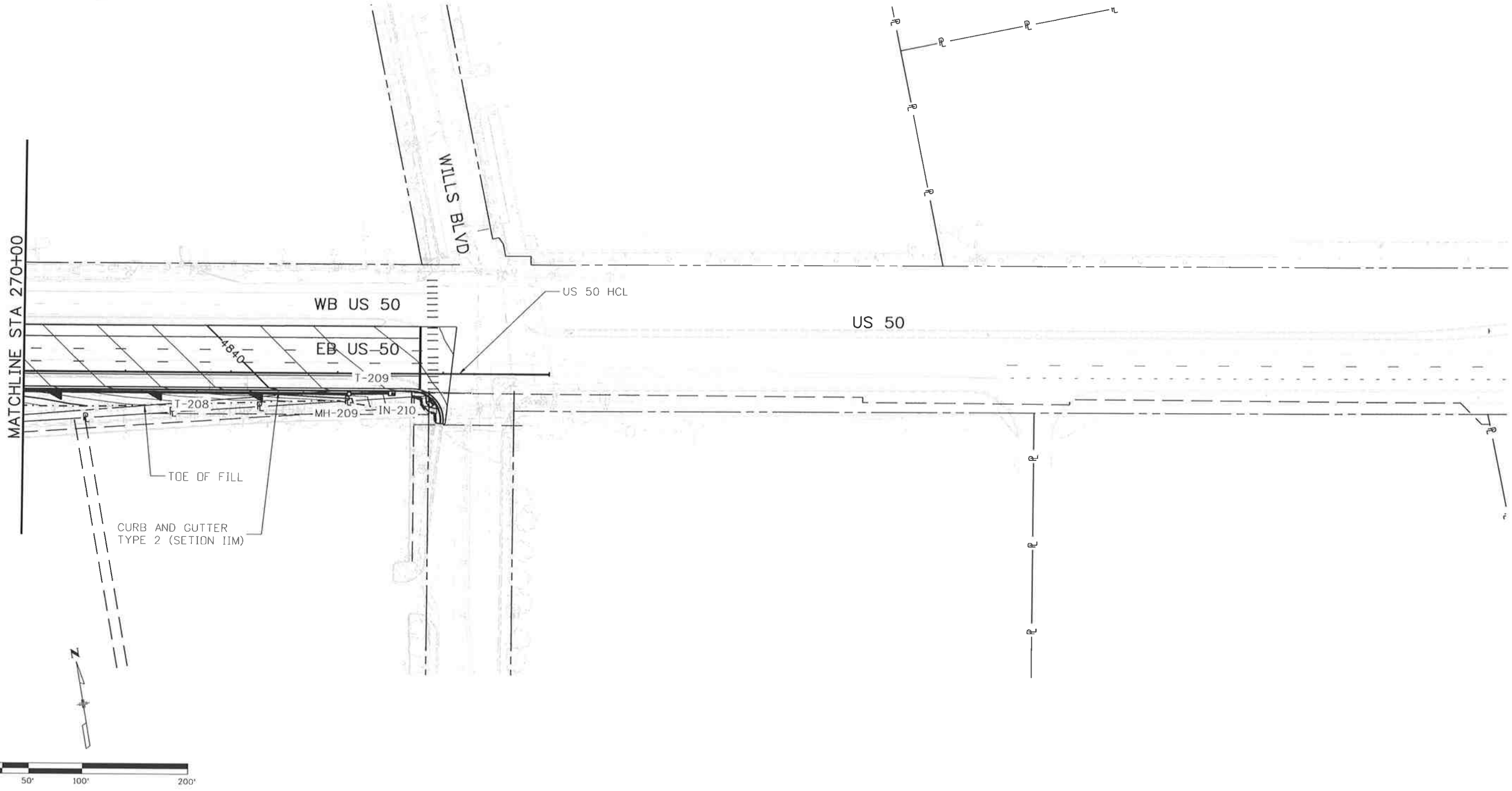
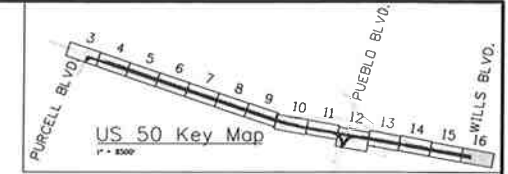
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 GRADING AND DRAINAGE PLAN
 256+00.00 TO 270+00.00**
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Project No./Code
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Region 2 DTD

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Revised:
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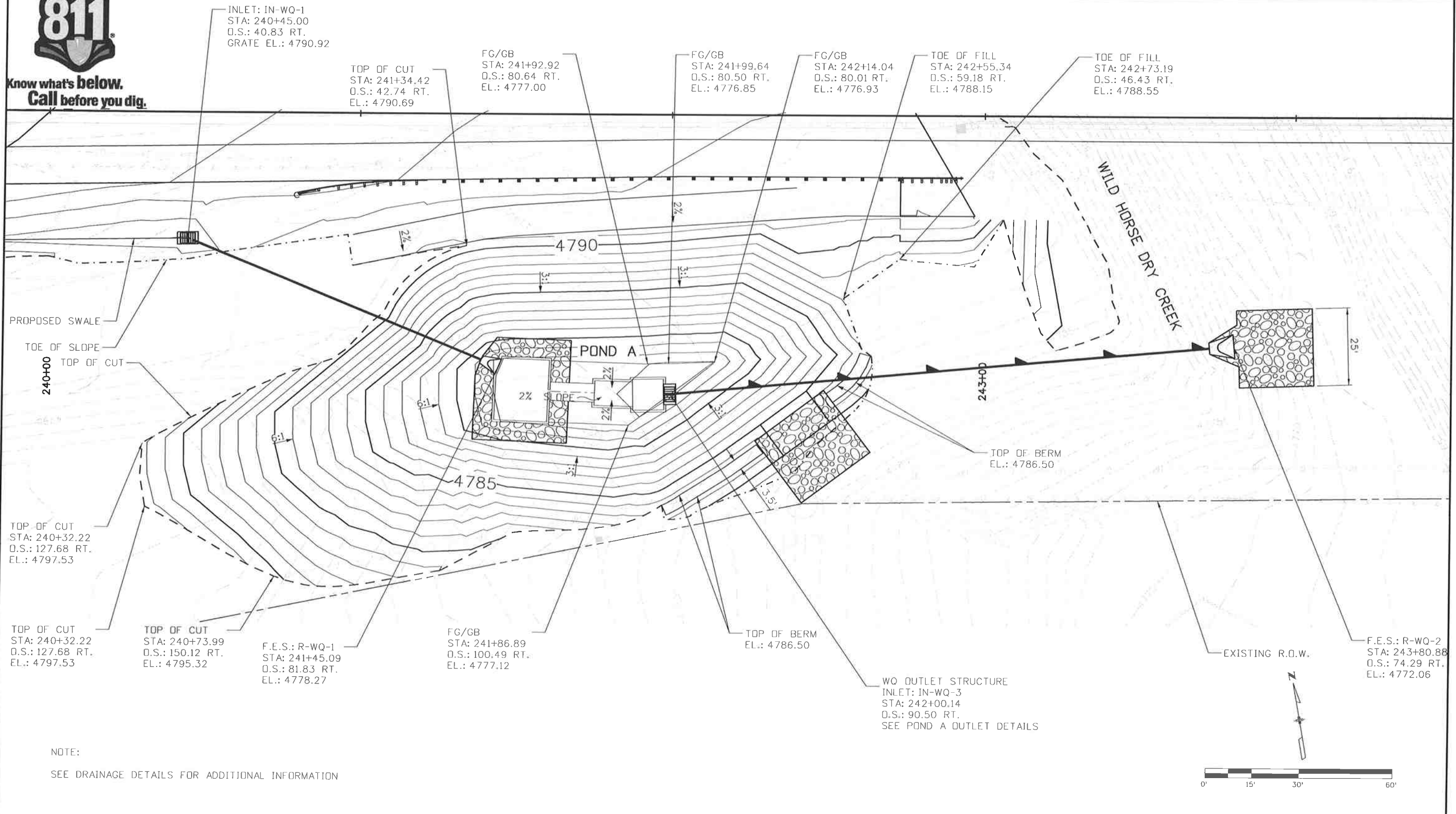
US 50 WEST
GRADING AND DRAINAGE PLAN
270+00.00 TO WILLS
Designer: LM Structure
Detailer: LM Numbers
Subset: DR Subset Sheets: DR16 of 16

Project No./Code
FSA 0503-081
19751
Sheet Number 117

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Know what's below.
Call before you dig.



NOTE:
SEE DRAINAGE DETAILS FOR ADDITIONAL INFORMATION

Print Date: 10/9/2014		Sheet Revisions			Colorado Department of Transportation		As Constructed		US 50 WEST POND GRADING DETAIL POND A		Project No./Code	
File Name: 19056_Pond_Detail01.dgn		Date:	Comments:	Init.	902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702		No Revisions:		Designer: LM Structure Detailer: ACE Numbers Subset: PD Subset Sheets: PD1 of 2		FSA 0503-081	
Horiz. Scale: 1:30 Vert. Scale:							Revised:				19751	
J. F. SATO AND ASSOCIATES 5898 South Ropp Street Littleton, Colorado 80120							Void:				Sheet Number 118	
		Region 2			DTD							

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Know what's below.
Call before you dig.

2% BENCH FOR 10' OFFSET

TOP OF BERM
STA: 246+58.20
O.S.: 76.66 RT.
EL.: 4784.00

TOP OF BERM
STA: 246+56.43
O.S.: 59.30 RT.
EL.: 4784.00

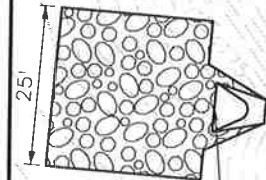
TOP OF BERM
STA: 246+59.94
O.S.: 59.16 RT.
EL.: 4784.00

FG/GB
STA: 246+66.61
O.S.: 80.33 RT.
EL.: 4782.50

FG/GB
STA: 246+81.17
O.S.: 83.17 RT.
EL.: 4777.81

INVERT
STA: 247+67.24
O.S.: 77.77 RT.
EL.: 4779.60

EB US-50



245+00

FG/GB
STA: 246+54.18
O.S.: 81.59 RT.
EL.: 4782.50

4780-POND B

4780

249+00

F.E.S.: R-WQ-2
STA: 244+87.45
O.S.: 73.58 RT.
EL.: 4771.64

FG/GB
STA: 246+55.85
O.S.: 97.80 RT.
EL.: 4782.50

FG/GB
STA: 246+68.26
O.S.: 96.54 RT.
EL.: 4782.50

TOE OF SLOPE
STA: 246+64.18
O.S.: 111.15 RT.
EL.: 4782.76

TOE OF SLOPE
STA: 246+75.72
O.S.: 118.48 RT.
EL.: 4782.74

TOE OF SLOPE
STA: 246+89.50
O.S.: 117.73 RT.
EL.: 4783.02

TOP OF CUT
STA: 247+28.94
O.S.: 106.60 RT.
EL.: 4784.10

TOP OF BERM
EL.: 4784.00

FG/GB
STA: 247+67.78
O.S.: 87.19' RT.
EL.: 4779.75

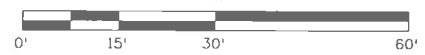
FG/GB
STA: 247+57.82
O.S.: 78.32' RT.
EL.: 4779.29

WQ OUTLET STRUCTURE
INLET: IN-WQ-2
STA: 246+81.78
O.S.: 89.14 RT.
SEE POND B OUTLET DETAILS

FG/GB
STA: 246+82.39
O.S.: 95.11 RT.
EL.: 4777.81

TOE OF SLOPE
STA: 248+10.47
O.S.: 42.03 RT.
EL.: 4787.61

NOTE:
SEE DRAINAGE DETAILS FOR ADDITIONAL INFORMATION



Print Date: 10/9/2014

File Name: 19056_Pond_Detail02.dgn

Horiz. Scale: 1:30 Vert. Scale:

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Sheet Revisions

Date:	Comments	Init.

Colorado Department of Transportation



Region 2

902 Erie Avenue
Pueblo, CO 81001
Phone: 719-562-5509 FAX: 719-546-5702

DTD

As Constructed

No Revisions:

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Void:

US 50 WEST
POND GRADING DETAIL
POND B

Designer:	LM	Structure	
Detailer:	ACE	Numbers	
Subset:	PD	Subset Sheets:	PD2 of 2

Project No./Code

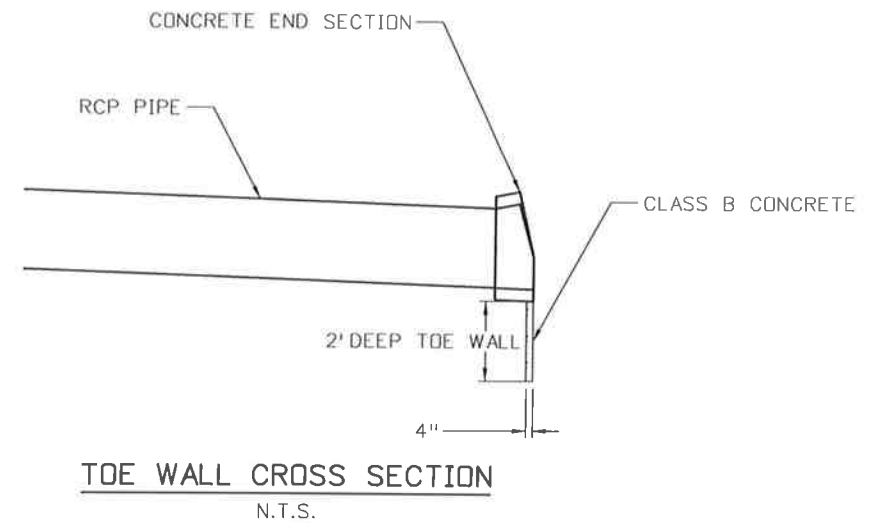
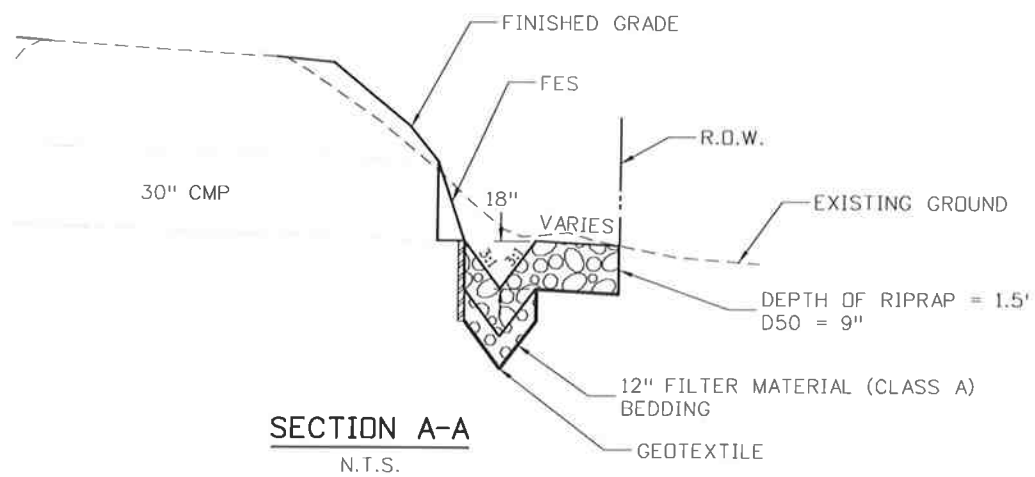
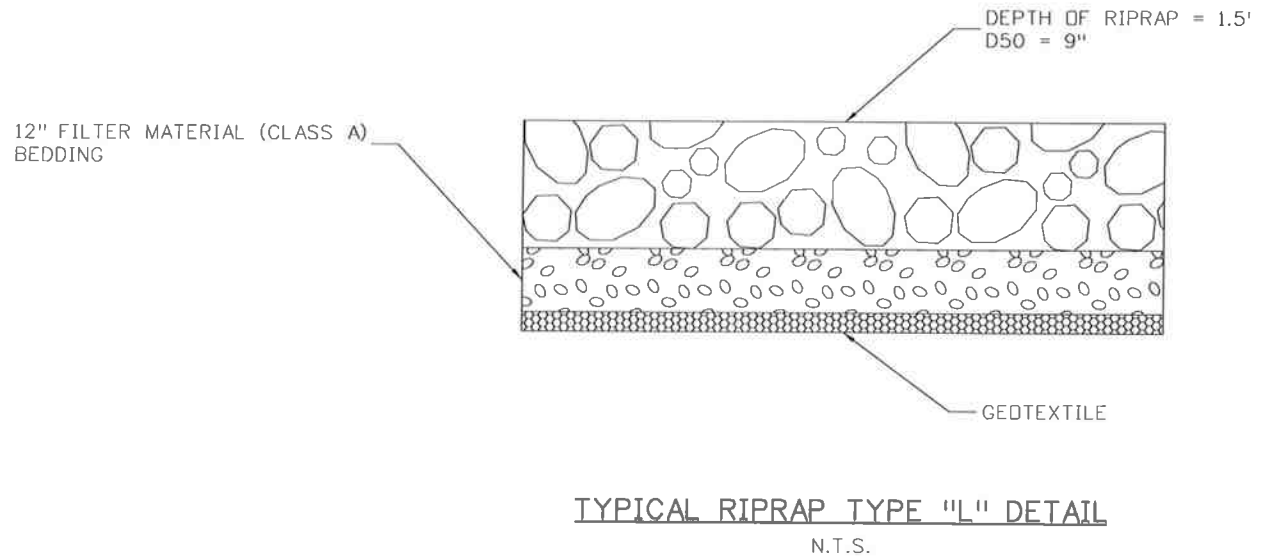
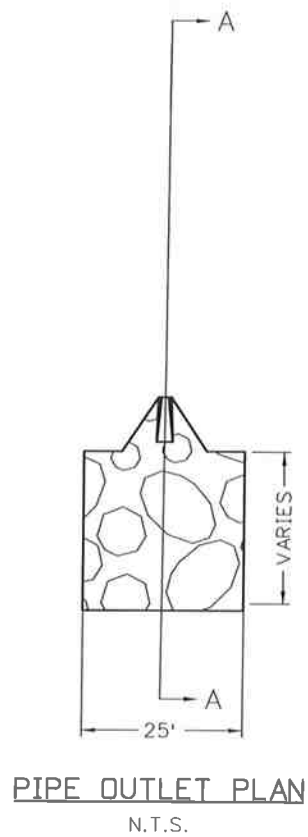
FSA 0503-081

19751

Sheet Number 119

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Print Date: 10/9/2014

File Name: 19056DES_Misc_Det02.dgn

Horiz. Scale: 1:30 Vert. Scale:



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Date:	Comments	Init.

Colorado Department of Transportation



Region 2

902 Erie Avenue
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DTD

As Constructed

No Revisions:

Revised:

Void:

U.S. 50
DRAINAGE DETAIL
SPECIAL PIPE OUTLET DETAIL

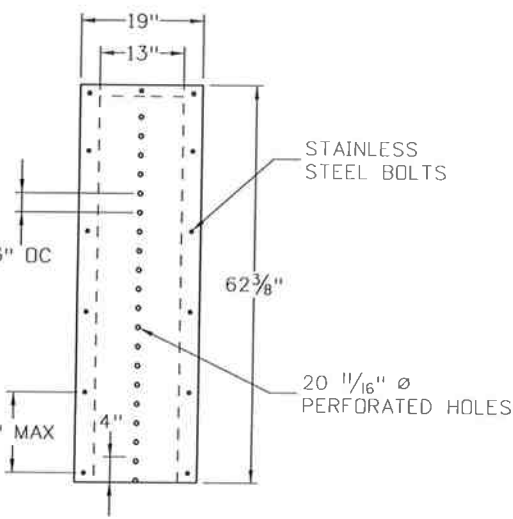
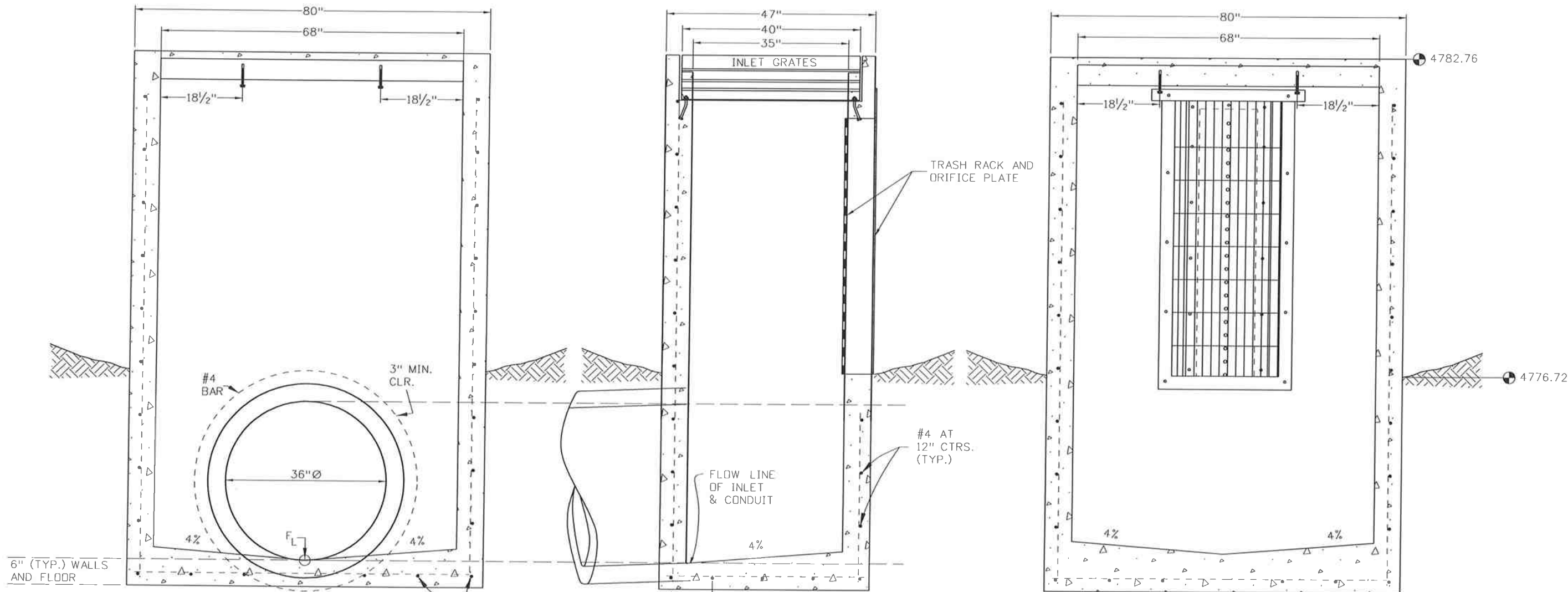
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Detailer:	AB	Numbers	
Subset:	DD	Subset Sheets:	DD1 of 9

Project No./Code

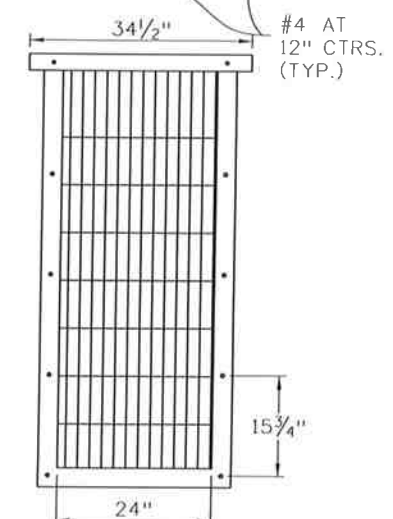
FSA 0503-081

19751

Sheet Number 120



POND A ORIFICE PLATE



POND A TRASH RACK

L3X3X1/4 WITH HEADED STUD ANCHOR FORMED INTO CONCRETE ON BOTH SIDES AND BOTTOM

WQCV ORIFICE OUTLET

WQCV TRASH RACK KLEMP KRP SERIES ALUMINUM BAR GRATE

WQCV TRASH RACK AND ORIFICE PLATE

ORIFICE PLATES:

1. STEEL ORIFICE PLATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER PAINTED AFTER GALVANIZING.

WQCV TRASH RACKS:

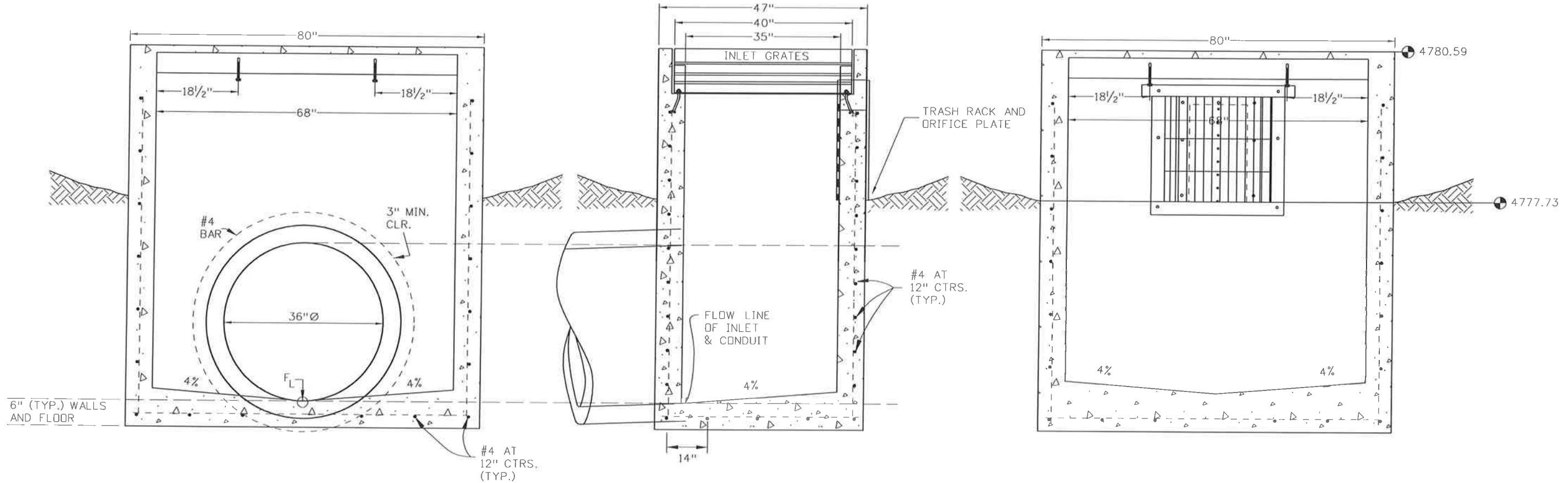
1. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE OR ATTACHED BY INTERMITTANT WELDS..
2. TRASH RACK WIDTHS ARE FOR SPECIFIED TRASH RACK MATERIAL. FINER WELL-SCREEN OR MESH SIZE THAN SPECIFIED IS ACCEPTABLE, HOWEVER, TRASH RACK DIMENSIONS NEED TO BE ADJUSTED FOR MATERIALS HAVING A DIFFERENT OPEN AREA/GROSS AREA RATION (R VALUE).

GENERAL NOTE

1. WATER QUALITY POND OUTLET STRUCTURE PAID FOR AS INLET TYPE D (SPECIAL).

Print Date: 10/9/2014		Sheet Revisions			Colorado Department of Transportation			As Constructed		US 50 WEST DRAINAGE DETAIL POND A OUTLET DETAILS			Project No./Code FSA 0503-081	
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Horiz. Scale: As Noted		Date:	Comments:	Init.	Region 2			No Revisions:	Designer: LM	Structure Numbers	19751			
Verl. Scale: As Noted					902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702			Revised:	Detailer: LM		Sheet Number 121			
JFS&A J. F. SAID AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120					DTD			Void:	Subset: DD	Subset Sheets: DD2 of 9	Sheet Number 121			

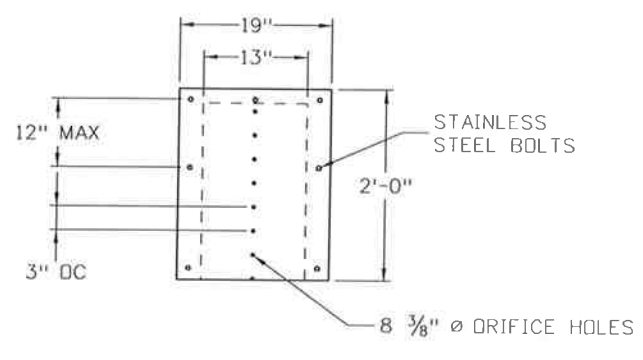
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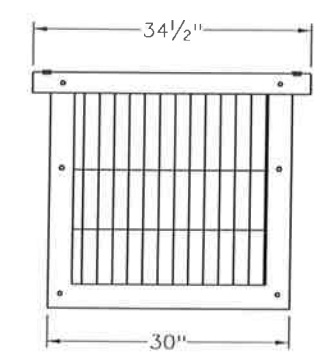
TRANSVERSE CROSS-SECTION

LONGITUDINAL CROSS-SECTION

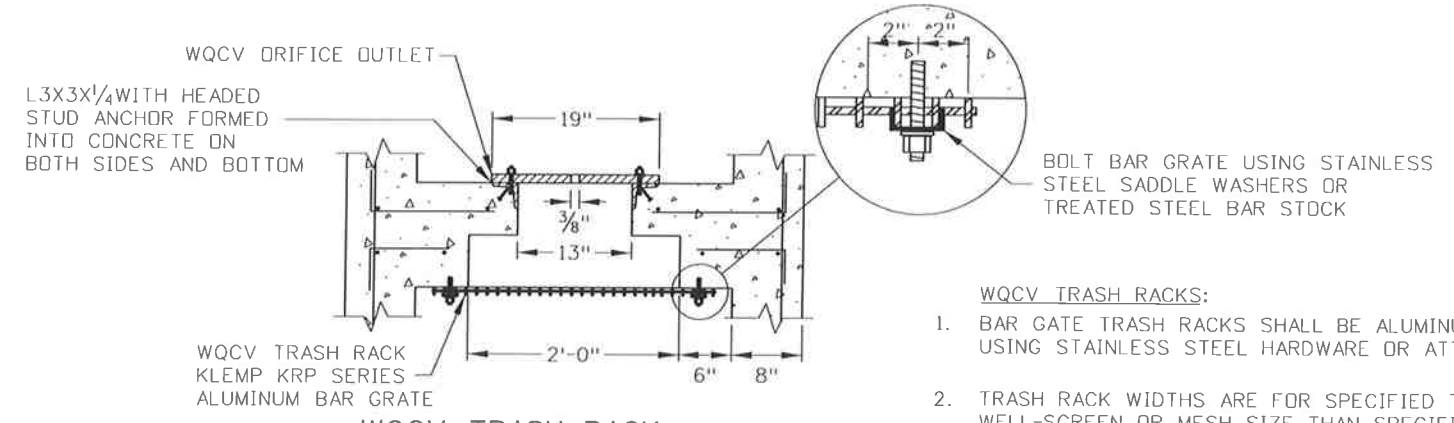
REVERSE TRANSVERSE CROSS-SECTION



POND B ORIFICE PLATE



POND B TRASH RACK



WQCV TRASH RACK AND ORIFICE PLATE

- ORIFICE PLATES:**
- STEEL ORIFICE PLATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER PAINTED AFTER GALVANIZING.

- WQCV TRASH RACKS:**
- BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE OR ATTACHED BY INTERMITTANT WELDS.
 - TRASH RACK WIDTHS ARE FOR SPECIFIED TRASH RACK MATERIAL. FINER WELL-SCREEN OR MESH SIZE THAN SPECIFIED IS ACCEPTABLE, HOWEVER, TRASH RACK DIMENSIONS NEED TO BE ADJUSTED FOR MATERIALS HAVING A DIFFERENT OPEN AREA/GROSS AREA RATION (R VALUE).

- GENERAL NOTE**
- WATER QUALITY POND OUTLET STRUCTURE PAID FOR AS INLET TYPE D (SPECIAL).

Sheet Revisions		
Date:	Comments	Init.

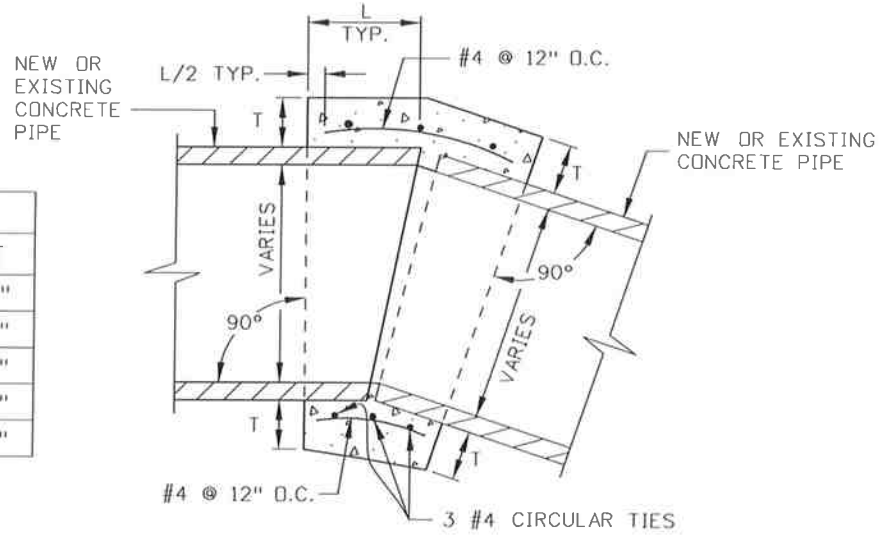
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Revised:
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US 50 WEST DRAINAGE DETAIL POND B OUTLET DETAILS	
Designer: LM	Structure Numbers
Detailer: LM	
Subset: DD	Subset Sheets: DD3 of 9

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N.T.S.		
D	L	T
12"	1.0	4"
18"	1.0	5"
24"	1.0	6"
36"	1.5	8"
24" x 38" HERCP	1.5	8"



NOTES:

1. A CONCRETE COLLAR IS REQUIRED WHERE THE MAXIMUM PERMISSIBLE PULL AT THE JOINT, AS SPECIFIED BY THE MANUFACTURER, IS EXCEEDED.
2. CONCRETE PIPE COLLARS SHALL NOT BE USED FOR PIPES WITH DIFFERENT DIAMETERS.
3. FOR PIPE SIZE NOT LISTED, USE NEXT SIZE LARGER.
4. OMIT REINFORCING ON ALL PIPES LESS THAN 24" IN DIAMETER WITH MINIMUM 2' COVER, AND SUBSTITUTE WITH WIRE MESH.
5. CONCRETE SHALL BE CDDT CLASS B.
6. CONCRETE PIPE COLLARS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
7. THE INTERIOR SURFACE OF THE CONCRETE COLLAR SHALL BE FINISHED SMOOTH TO MATCH THE ADJOINING PIPE SURFACES. IF THE PROPOSED PIPE DEFLECTION CREATES A GAP WHICH PROHIBITS A SMOOTH INTERIOR FINISH, A MITERED CUT TO EACH PIPE SHALL BE REQUIRED.

CONCRETE PIPE COLLAR
N.T.S.

Print Date: 10/9/2014
 File Name: 19056DES_Misc_Pond_Det05.dgn
 Horiz. Scale: As Noted Vert. Scale: As Noted



Sheet Revisions

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Region 2 DTD

As Constructed

No Revisions:

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**US 50 WEST
PURCELL BLVD. TO WILLS BLVD.
PIPE COLLAR DETAIL**

Designer:	ACE	Structure Numbers
Detailer:	ACE	
Subset:	DD	Subset Sheets: DD4 of 9

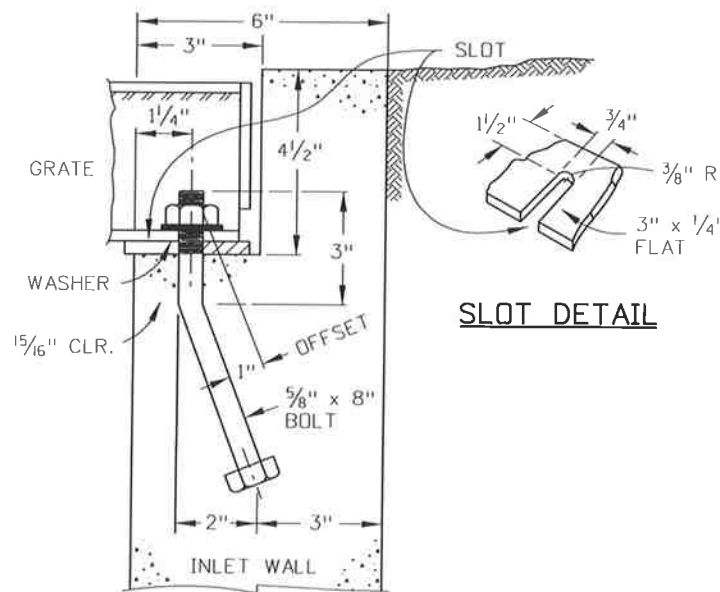
Project No./Code

FSA 0503-081

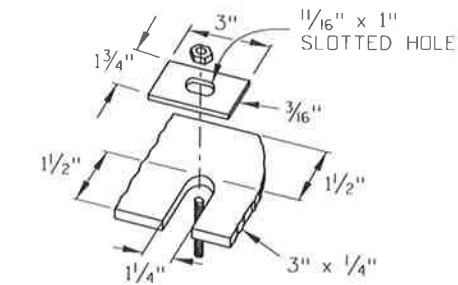
19751

Sheet Number 123

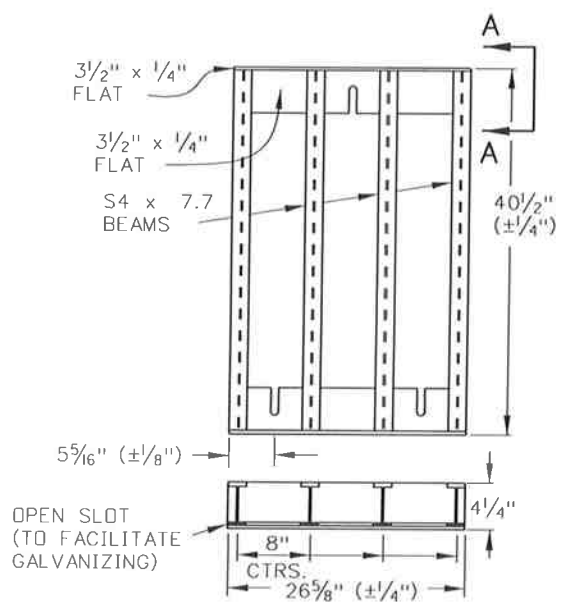
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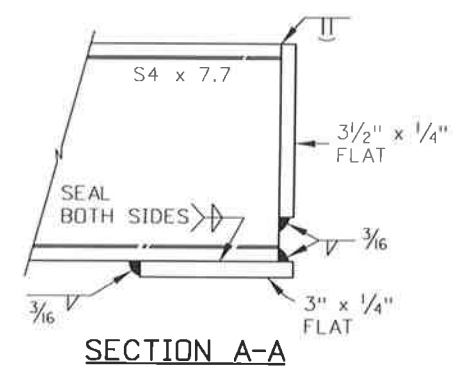
GRATE INSTALLATION DETAIL



ALTERNATE SLOT AND HOLD DOWN PLATE DETAIL



GRATE INSTALLATION



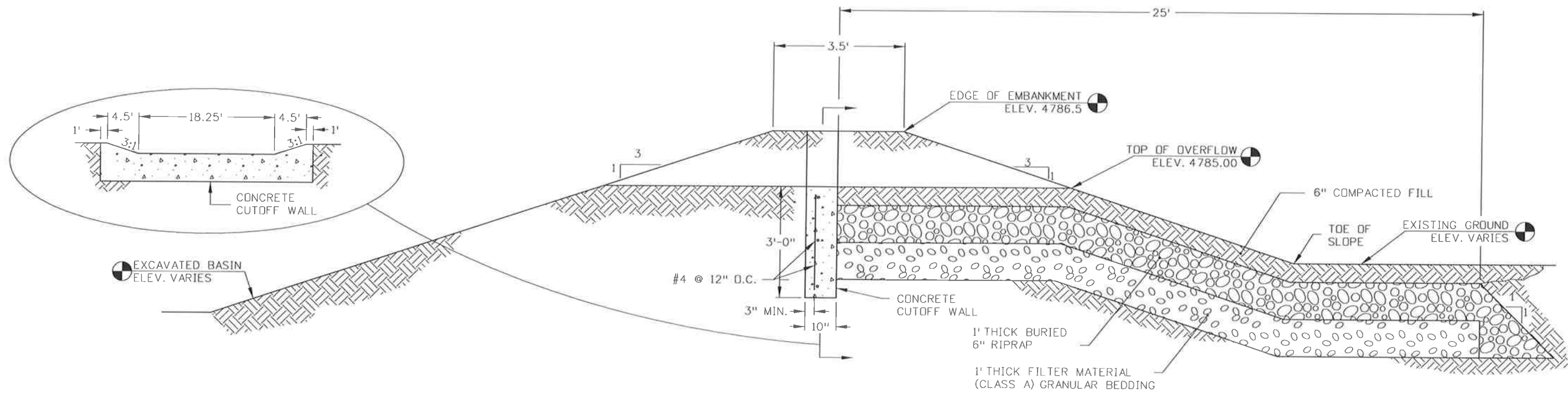
SECTION A-A

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 DRAINAGE DETAIL GRATE INSTALLATION DETAILS			Project No./Code
File Name: 19056DES_Misc_Pond_Det06.dgn	Date:	Comments:	Init.:						FSA 0503-081
Horiz. Scale: 1:10 Vert. Scale: As Noted				J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120		Designer: LM	Structure	19751	
					Detailer: LM	Numbers			
					Subset: DD	Subset Sheets: DD5 of 9		Sheet Number	124

GRADATION FOR GRANULAR BEDDING	
U.S. STANDARD SIEVE SIZE	PERCENT WEIGHT BY PASSING SQUARE-MESH SIEVES
	TYPE II CDDT SECT. 703.09 CLASS A
3 INCHES	100
1 1/2 INCH	----
3/4 INCH	20-90
3/8 INCH	----
#4	0-20
#16	----
#50	----
#100	----
#200	0-3

RIPRAP (6") GRADATION		
% SMALLER THAN GIVEN SIZE BY WEIGHT	INTERMEDIATE ROCK DIMENSIONS (INCHES)	D50 (inches)
70-100	12	6
50-70	9	
35-50	6	
2-10	2	
RIPRAP (9") GRADATION		
		D50 (inches)
70-100	15	9
50-70	12	
35-50	9	
2-10	3	

D50 = MEAN PARTICLE SIZE (INTERMEDIATE DIMENSION) BY WEIGHT.
 MIX RIPRAP WITH 30% (BY VOLUME) TOPSOIL AND BURY IT WITH 64 INCHES OF TOPSOIL, ALL VIBRATION COMPACTED, AND REVEGETATED.



POND A SPILLWAY SECTION

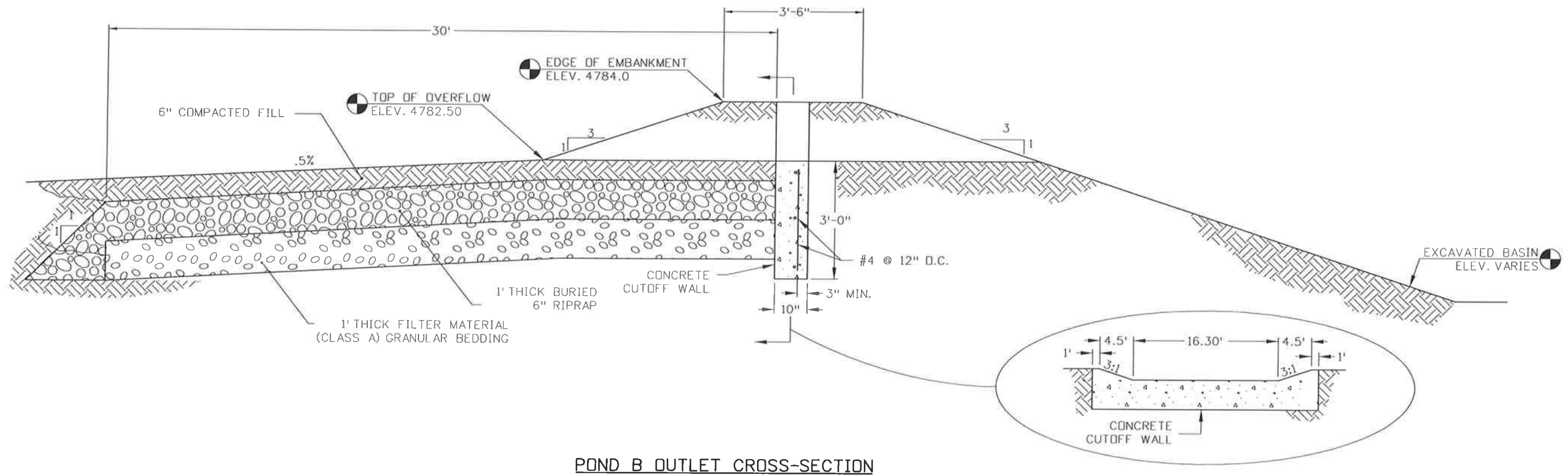
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Sheet Revisions																			
Date:	Comments	Init.																	
File Name: 19056DES_Misc_Pond_Det07.dgn	Designer: LM Detailer: LM Subset: DD	Structure Numbers Subset Sheets: DD6 of 9	Sheet Number 125																
Horiz. Scale: As Noted Vert. Scale: As Noted	 J.F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120	 Region 2	DTD																

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GRADATION FOR GRANULAR BEDDING	
U.S. STANDARD SIEVE SIZE	PERCENT WEIGHT BY PASSING SQUARE-MESH SIEVES
3 INCHES	100
1 1/2 INCH	----
3/4 INCH	20-90
3/8 INCH	----
#4	0-20
#16	----
#50	----
#100	----
#200	0-3

RIPRAP (6") GRADATION		
% SMALLER THAN GIVEN SIZE BY WEIGHT	INTERMEDIATE ROCK DIMENSIONS (INCHES)	D50 (inches)
70-100	12	6
50-70	9	
35-50	6	
2-10	2	
RIPRAP (9") GRADATION		
		D50 (inches)
70-100	15	9
50-70	12	
35-50	9	
2-10	3	

D50 = MEAN PARTICLE SIZE (INTERMEDIATE DIMENSION) BY WEIGHT.
MIX RIPRAP WITH 30% (BY VOLUME) TOPSOIL AND BURY IT WITH 64 INCHES OF TOPSOIL, ALL VIBRATION COMPACTED, AND REVEGETATED.



POND B OUTLET CROSS-SECTION

Print Date: 10/9/2014
File Name: 19056DES_Misc_Pond_Det08.dgn
Horiz. Scale: As Noted Vert. Scale: As Noted

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:
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US 50 WEST
DRAINAGE DETAIL
POND B OUTLET DETAILS

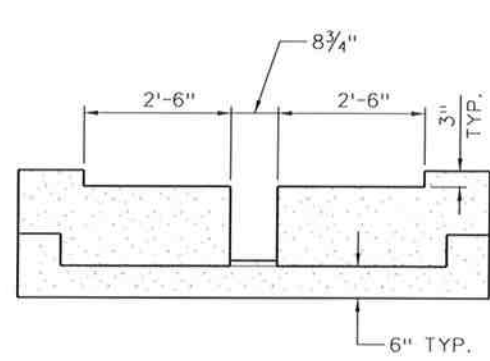
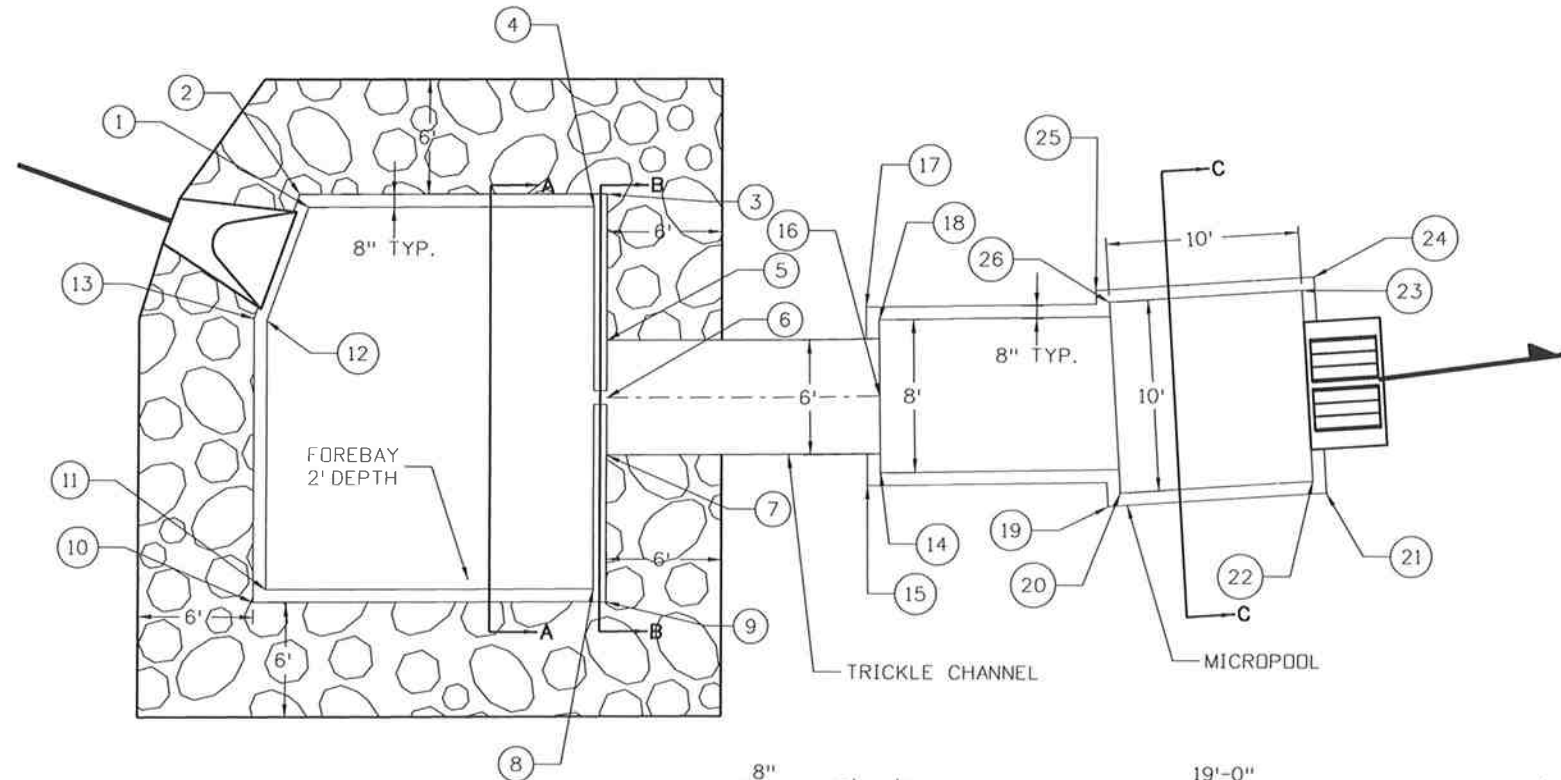
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Detailer:	LM	Numbers	
Subset:	DD	Subset Sheets: DD7 of	9

Project No./Code
FSA 0503-081
19751
Sheet Number 126

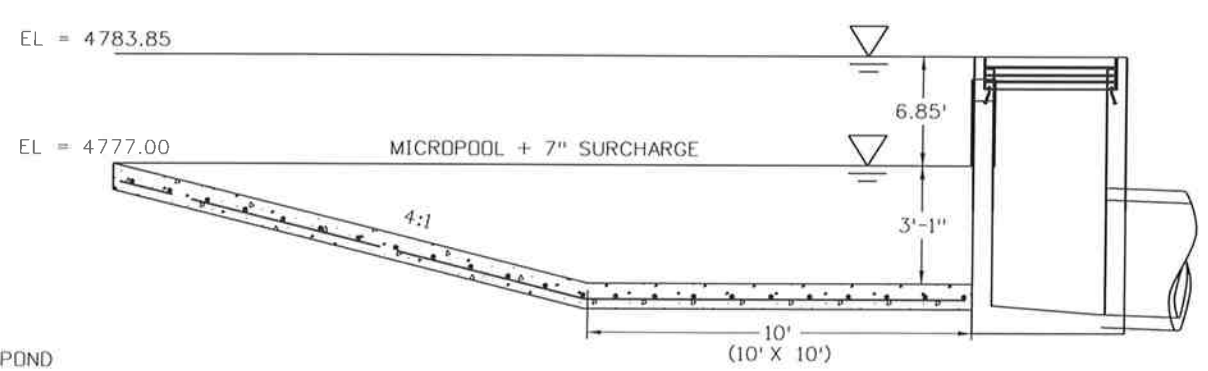
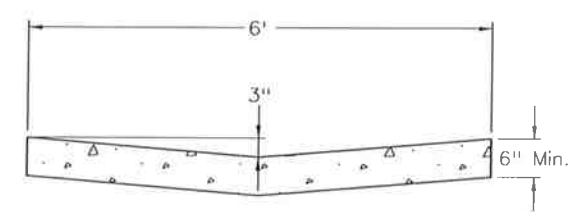
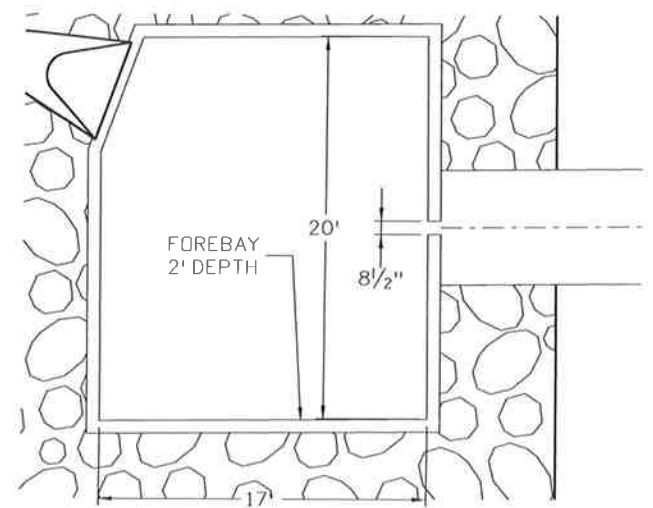
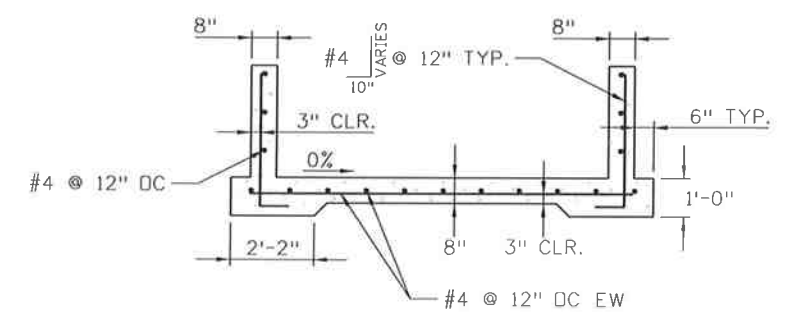
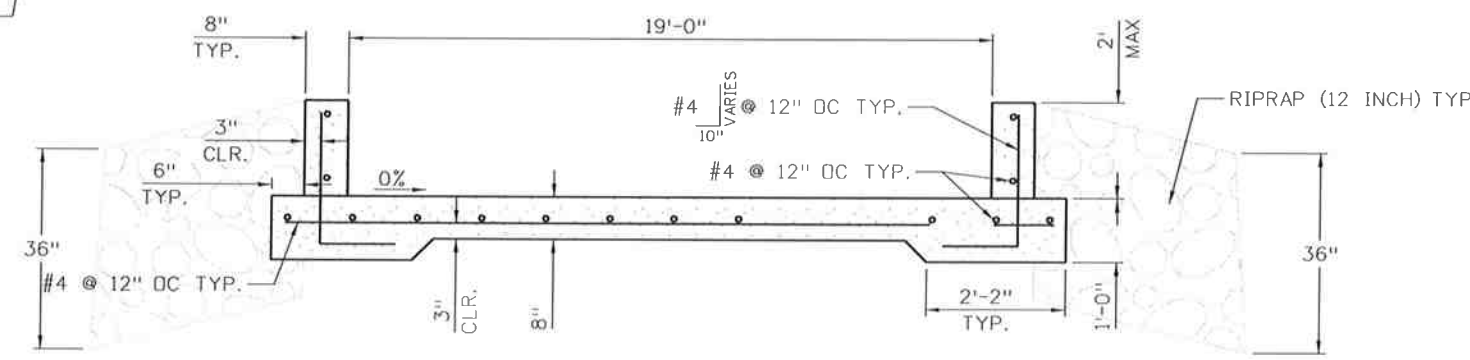
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J. F. SATO AND ASSOCIATES
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Littleton, Colorado 80120

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Point	Station	Offset (RT)	Elevation
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3	241+62.25	79.02	4777.85
4	241+61.56	79.66	4775.85
5	241+61.96	86.68	4777.48
6	241+61.85	89.88	4777.23
7	241+61.74	92.68	4777.48
8	241+60.81	99.65	4775.85
9	241+61.46	100.34	4777.85
10	241+43.14	99.66	4778.00
11	241+43.83	99.01	4776.00
12	241+44.35	84.96	4776.00
13	241+43.69	84.81	4778.00
14	241+75.93	94.17	4777.25
15	241+75.24	94.81	4777.25
16	241+76.03	90.17	4777.00
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18	241+76.14	86.17	4777.25
19	241+87.62	95.17	4777.00
20	241+88.30	95.75	4775.00
21	241+98.97	96.18	4776.80
22	241+98.29	95.53	4773.72
23	241+98.08	85.53	4773.72
24	241+98.73	84.85	4776.80
25	241+87.40	85.10	4777.00
26	241+88.08	85.75	4775.00



NOTE:
 1) 20.1 CUBIC YARDS OF CONCRETE (CLASS B) REQUIRED FOR WATER QUALITY POND (INCLUDING FOREBAY, TRICKLE CHANNEL, MICROPOOL AND SPILLWAY).
 2) REINFORCEMENT TO BE INCLUDED IN THE COST OF WORK.

Print Date: 10/9/2014
 File Name: 19056DES_Misc_Pond_Det09.dgn
 Horiz. Scale: As Noted Vert. Scale: As Noted

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

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

CDOT
 902 Erie Avenue
 Pueblo, CO 81001
 Phone: 719-562-5509 FAX: 719-546-5702

Region 2 DTD

As Constructed
No Revisions:
Revised:
Void:

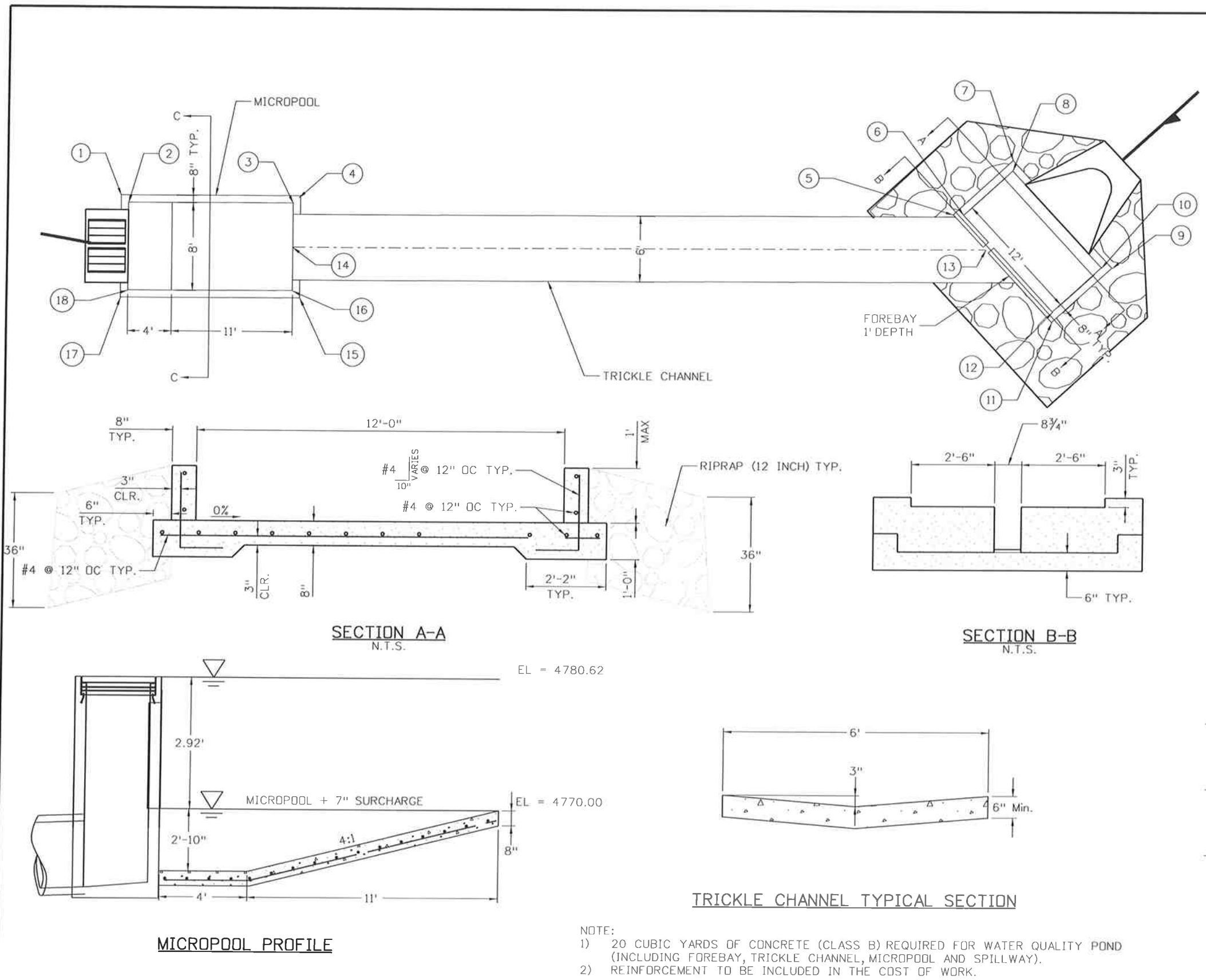
US 50 WEST
 DRAINAGE DETAIL
 POND A DETAILS

Designer: LM
 Detailer: ACE
 Subset: DD

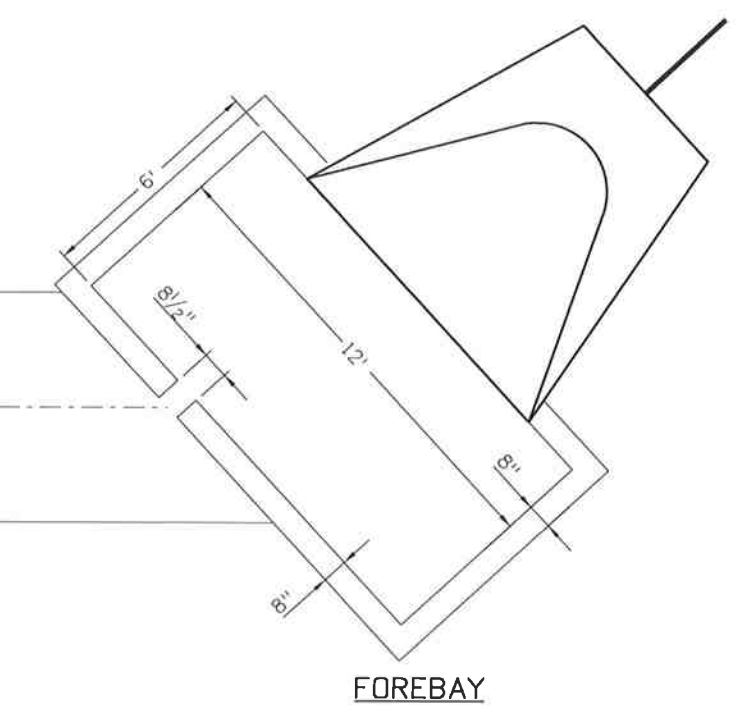
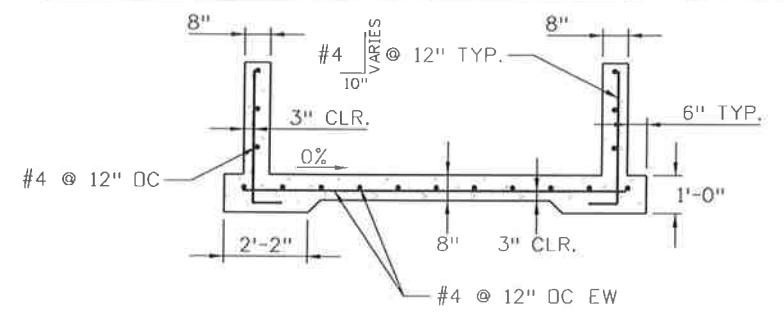
Structure Numbers
 Subset Sheets: DD8 of 9

Project No./Code
FSA 0503-081
19751
Sheet Number 127

aboonier1055638 AM \\nas1\0900...Jobs\0940E\CDOT US50 Design\04...Design\19056DES\Misc_Pond_Det10.dgn



Point	Station	Offset (RT)	Elevation
1	246+82.59	84.36	4777.81
2	246+83.33	84.96	4774.98
3	246+98.25	83.44	4778.17
4	246+98.84	82.71	4778.17
5	247+57.82	78.32	4779.35
6	247+58.76	78.27	4778.35
7	247+62.7	72.84	4779.84
8	247+62.75	73.78	4778.84
9	247+72.66	81.71	4779.84
10	247+71.71	81.76	4778.84
11	247+67.78	87.19	4779.75
12	24767+73.	86.25	4778.75
13	247+61.35	81.46	4779.16
14	246+98.66	87.45	4777.9
15	246+99.79	92.00	4778.17
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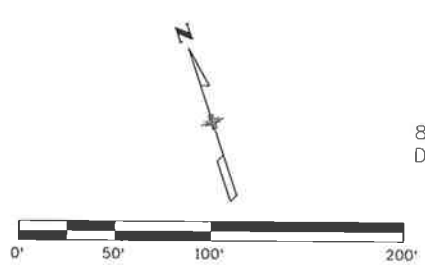
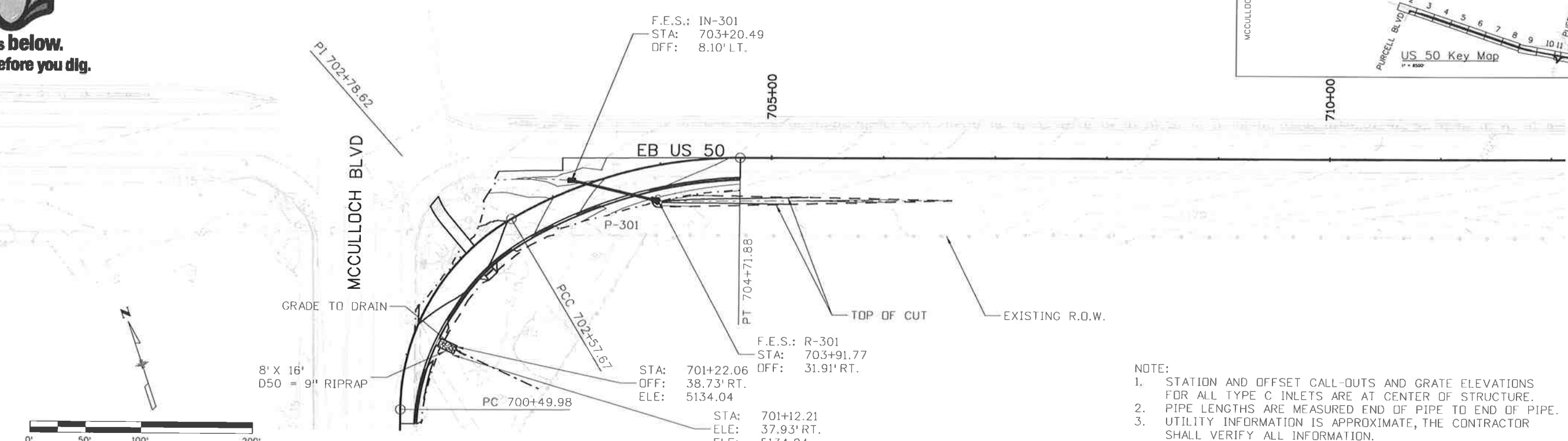
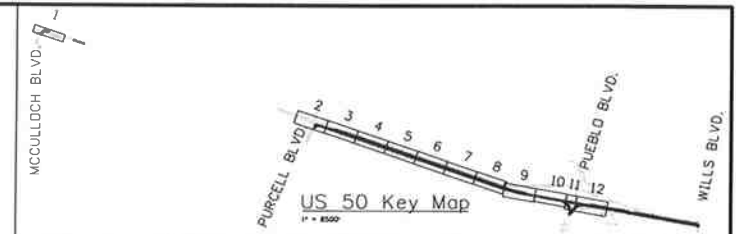


NOTE:
 1) 20 CUBIC YARDS OF CONCRETE (CLASS B) REQUIRED FOR WATER QUALITY POND (INCLUDING FOREBAY, TRICKLE CHANNEL, MICROPOOL AND SPILLWAY).
 2) REINFORCEMENT TO BE INCLUDED IN THE COST OF WORK.

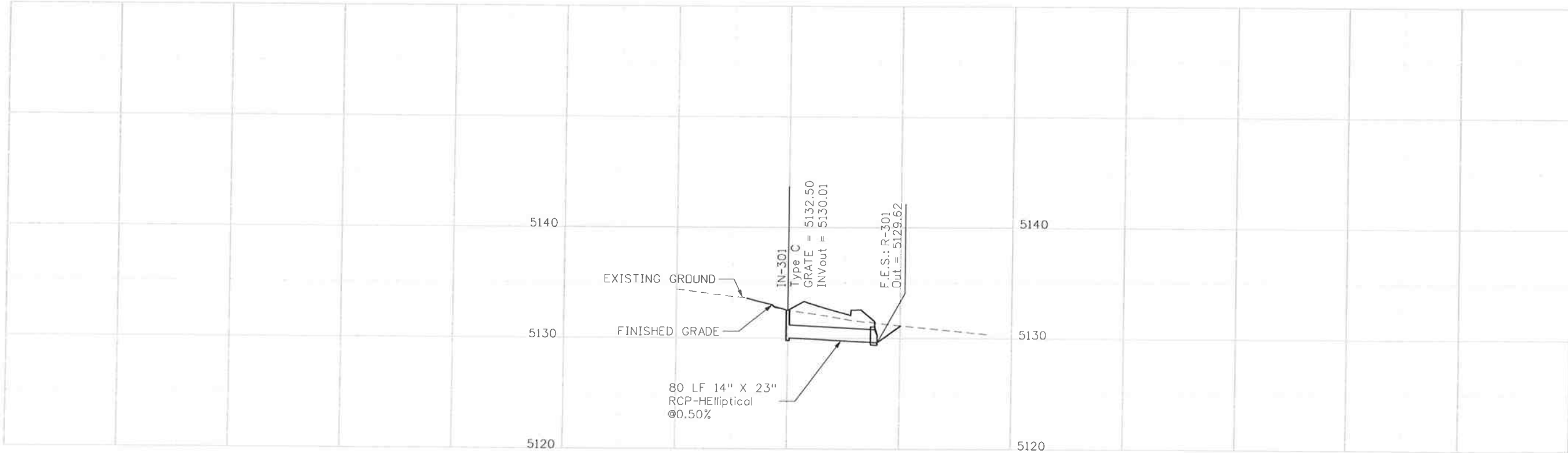
Print Date: 10/9/2014	Sheet Revisions			Colorado Department of Transportation 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2 DTD	As Constructed No Revisions: Revised: Void:	US 50 WEST DRAINAGE DETAIL POND B DETAILS		Project No./Code
File Name: 19056DES_Misc_Pond_Det10.dgn	Date:	Comments:	Init.:					FSA 0503-081
Horiz. Scale: As Noted Vert. Scale: As Noted					Designer: LM	Structure Numbers		19751
J. F. SAID AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120					Detailer: ACE			Sheet Number 128
					Subset: DD	Subset Sheets: DD9 of 9		



Know what's below.
Call before you dig.



- NOTE:
1. STATION AND OFFSET CALL-OUTS AND GRATE ELEVATIONS FOR ALL TYPE C INLETS ARE AT CENTER OF STRUCTURE.
 2. PIPE LENGTHS ARE MEASURED END OF PIPE TO END OF PIPE.
 3. UTILITY INFORMATION IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY ALL INFORMATION.



Print Date: 10/9/2014		Sheet Revisions		Colorado Department of Transportation		As Constructed		US 50 WEST MCCULLOCH BLVD. RIGHT TURN LANE PIPE PLAN AND PROFILE		Project No./Code	
File Name: 19056_XPipe-Plan and Profiles01.dgn		Date:	Comments	Init.	902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702		No Revisions:		Designer: LM		Structure
Horiz. Scale: 1:100 Vert. Scale: 1:10					Region 2 DTD		Revised:		Detailer: AB		Numbers
JFS&A J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120							Void:		Subset: PP		Subset Sheets: PP01 of 12
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											19751
											Sheet Number 129

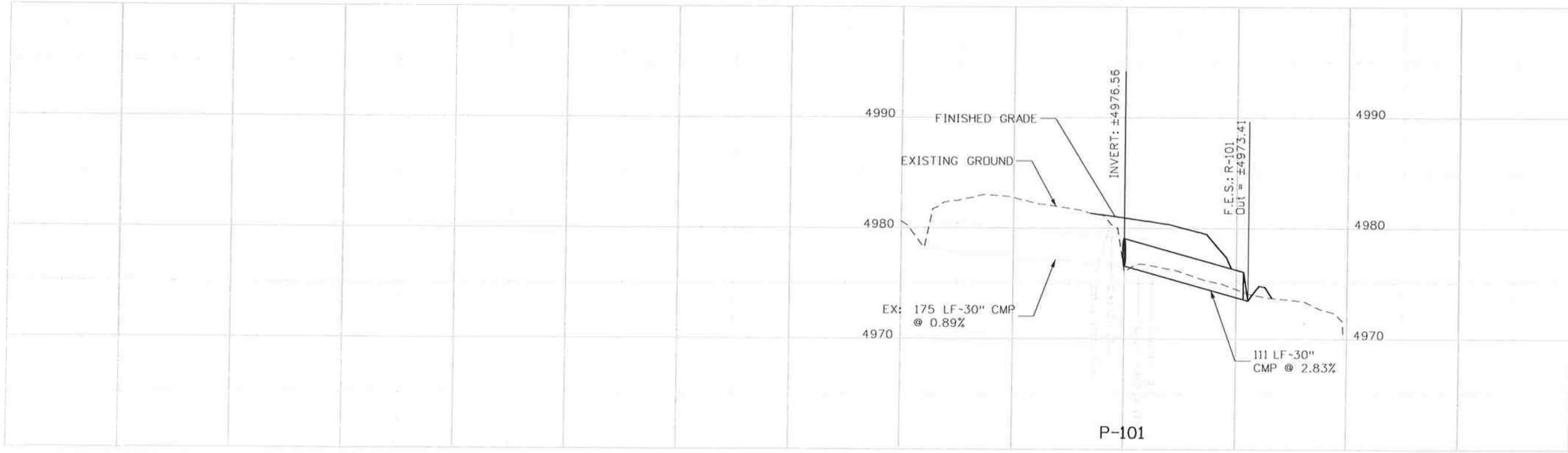
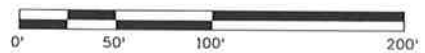
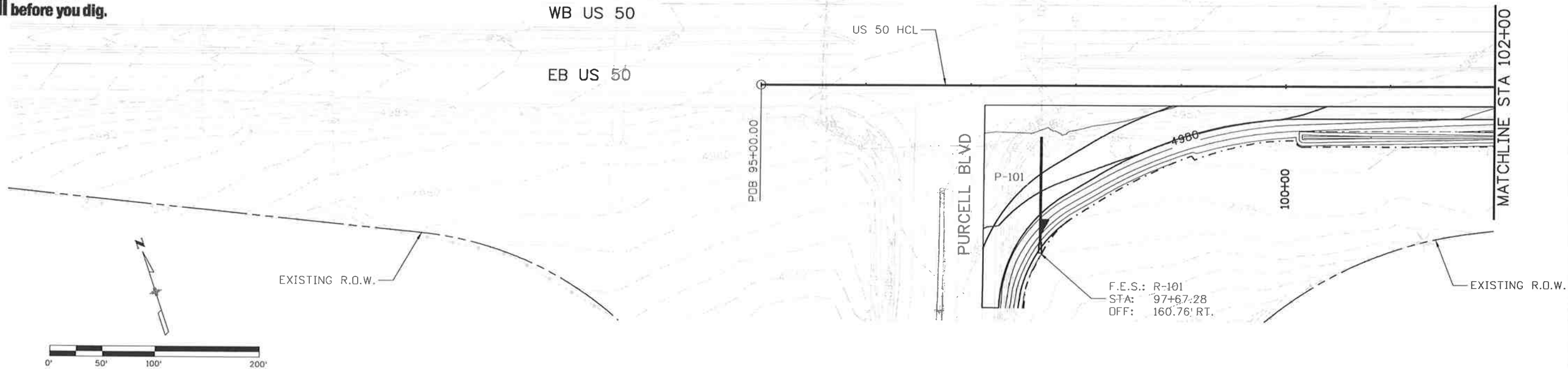
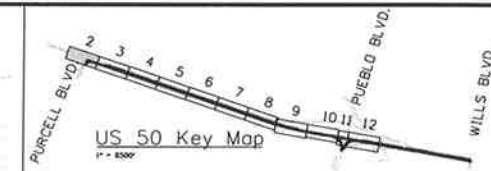
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Know what's below.
Call before you dig.

NOTE:

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Print Date: 10/9/2014	Sheet Revisions			Colorado Department of Transportation	As Constructed			US 50 WEST PURCELL BLVD. TO WILLS BLVD. PIPE PLAN AND PROFILE		Project No./Code
File Name: 19056_XPipe-Plan and Profiles02.dgn	Date:	Comments	Init.		No Revisions:	Designer:	LM	Structure	FSA 0503-081	
Horiz. Scale: 1:100 Vert. Scale: 1:10				 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2 DTD	Revised:	Detailer:	AB	Numbers	19751	
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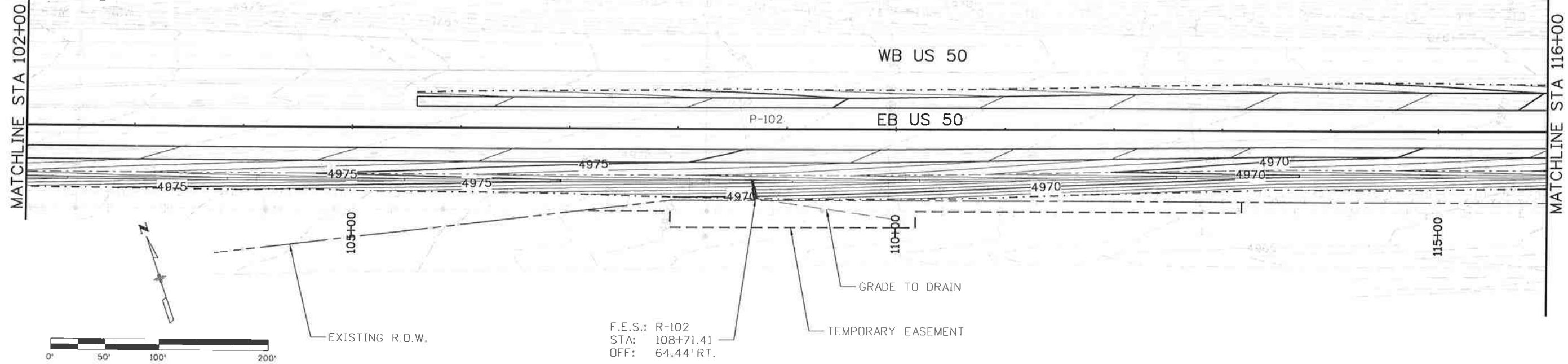
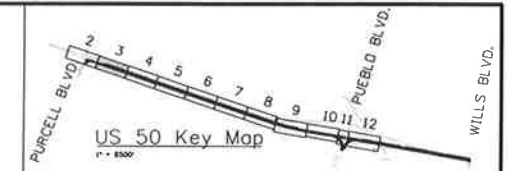
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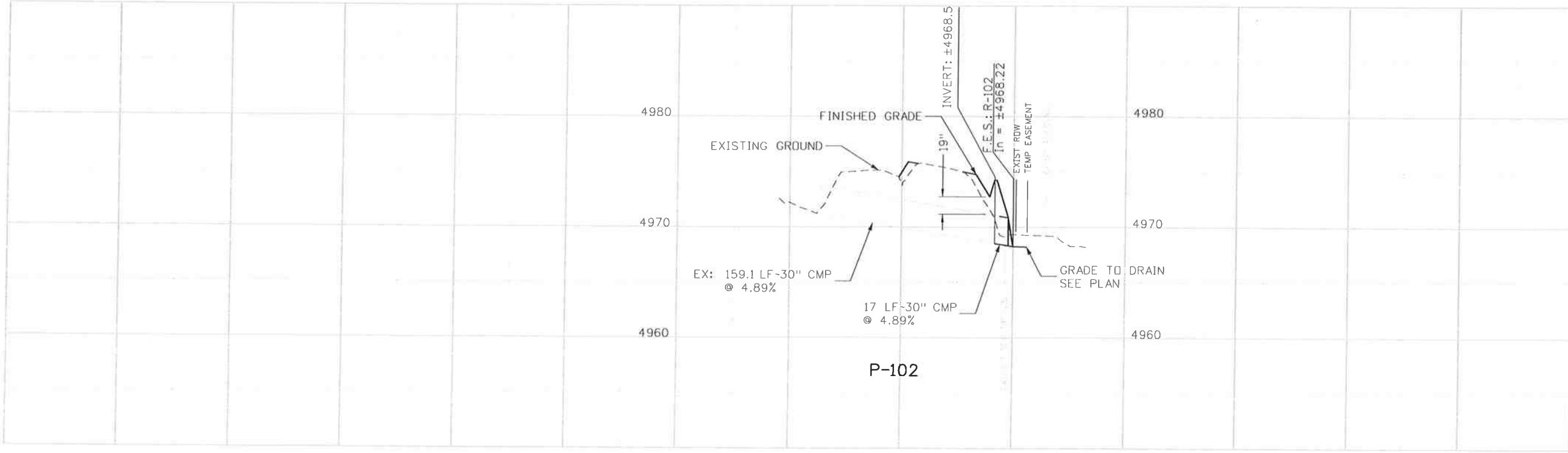
Know what's below.
Call before you dig.

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F.E.S.: R-102
STA: 108+71.41
OFF: 64.44' RT.



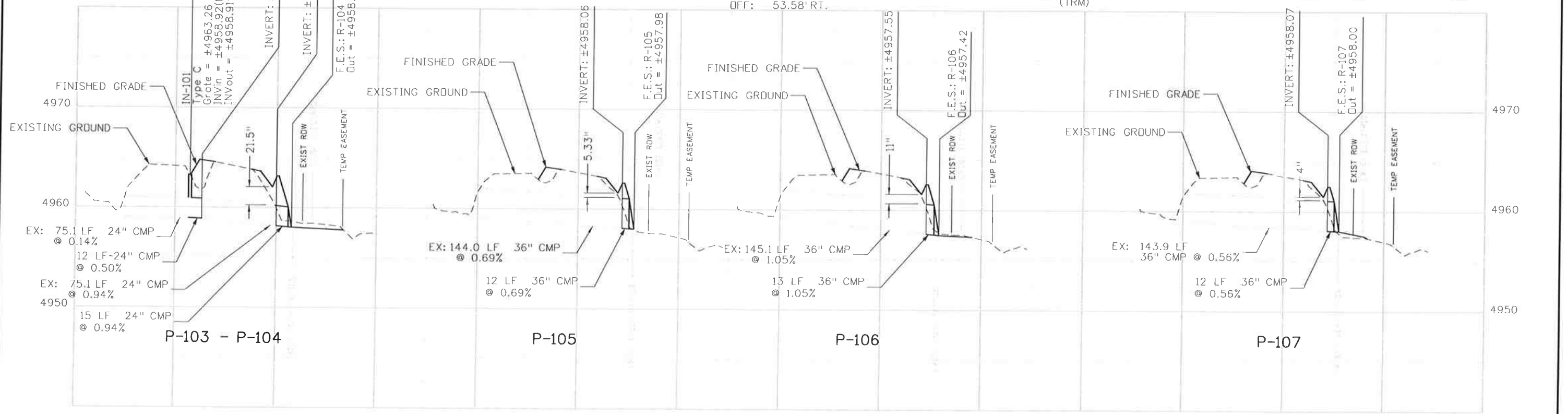
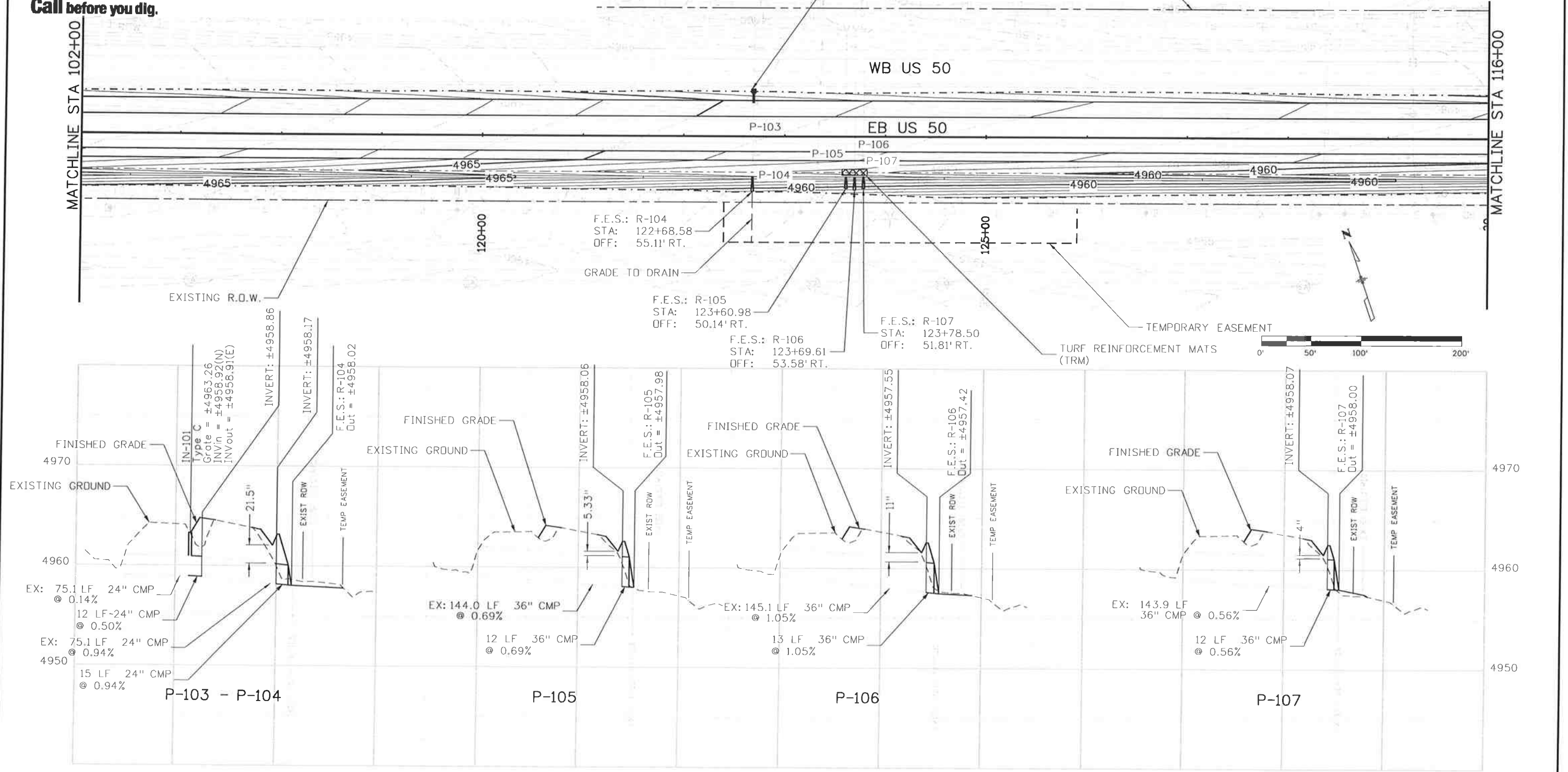
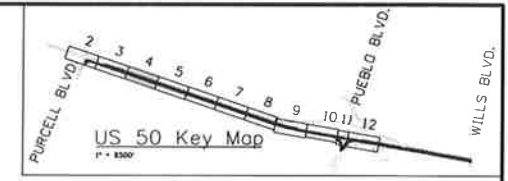
Print Date: 10/9/2014	Sheet Revisions			 Colorado Department of Transportation 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2 DTD	As Constructed		US 50 WEST PURCELL BLVD. TO WILLS BLVD. PIPE PLAN AND PROFILE		Project No./Code	
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Horiz. Scale: 1:100 Vert. Scale: As Noted					Revised:	Detailer: AB		19751		
	J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120				Void:	Subset: PP	Subset Sheets: PP03 of 12	Sheet Number	131	

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Know what's below.
Call before you dig.

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Print Date: 10/9/2014	Sheet Revisions			Colorado Department of Transportation			As Constructed		US 50 WEST PURCELL BLVD. TO WILLS BLVD. PIPE PLAN AND PROFILE		Project No./Code	
File Name: 19056_XPipe-Plan and Profiles04.dgn	Date:	Comments:	Init.	902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702		No Revisions:		Designer: LM Structure		FSA 0503-081		
Horiz. Scale: 1:100 Vert. Scale: As Noted				Region 2 DTD		Revised:		Detailer: AB Numbers		19751		
	J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120					Void:		Subset: PP		Subset Sheets: PP04of 12		
										Sheet Number 132		

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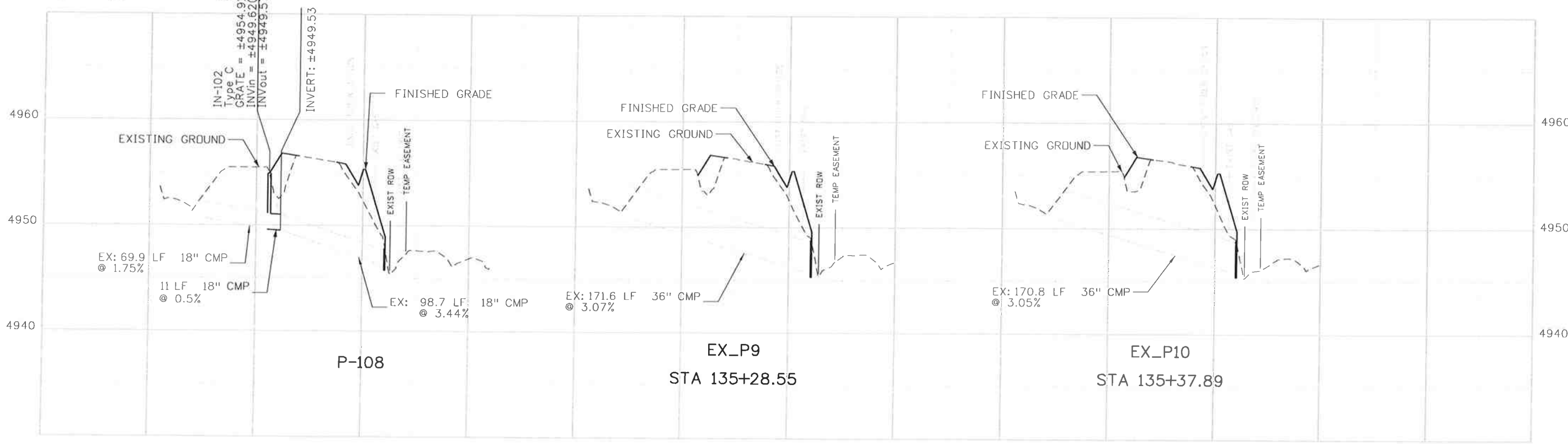
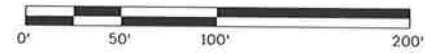
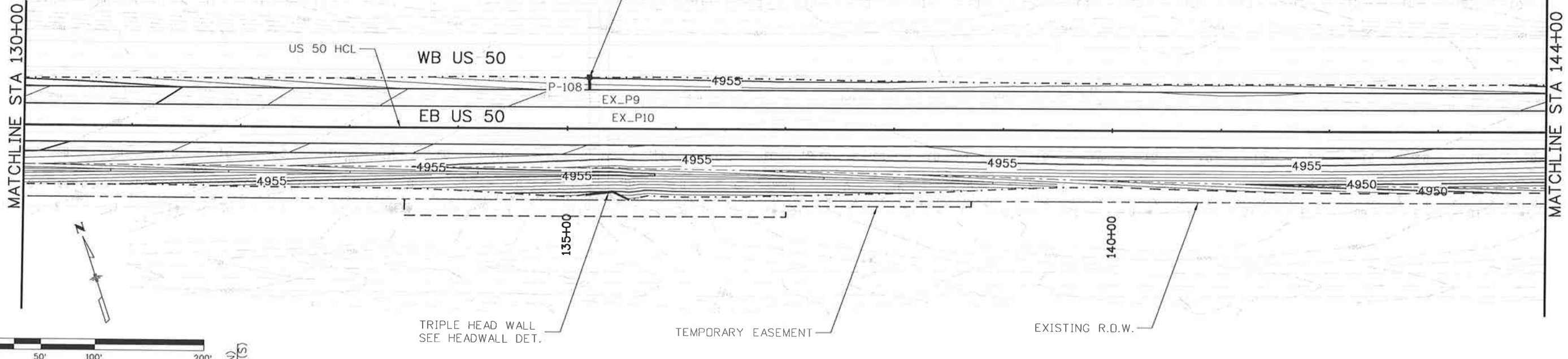
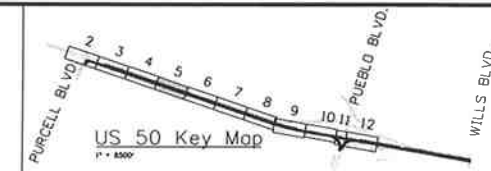
Know what's below.
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INLET: IN-102
STA: 135+19.74
OFF: 47.43' LT.

EXISTING R.D.W.



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 DTD	As Constructed		US 50 WEST PURCELL BLVD. TO WILLS BLVD. PIPE PLAN AND PROFILE	Project No./Code
File Name: 19056_XPipe-Plan and Profiles05.dgn	Date:	Comments:	Init.:		No Revisions:	Designer: LM		Structure
Horiz. Scale: 1:100					Revised:	Detailer: AB	Numbers	19751
Vert. Scale: As Noted					Void:	Subset: PP	Subset Sheets: PP05 of 12	Sheet Number 133

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

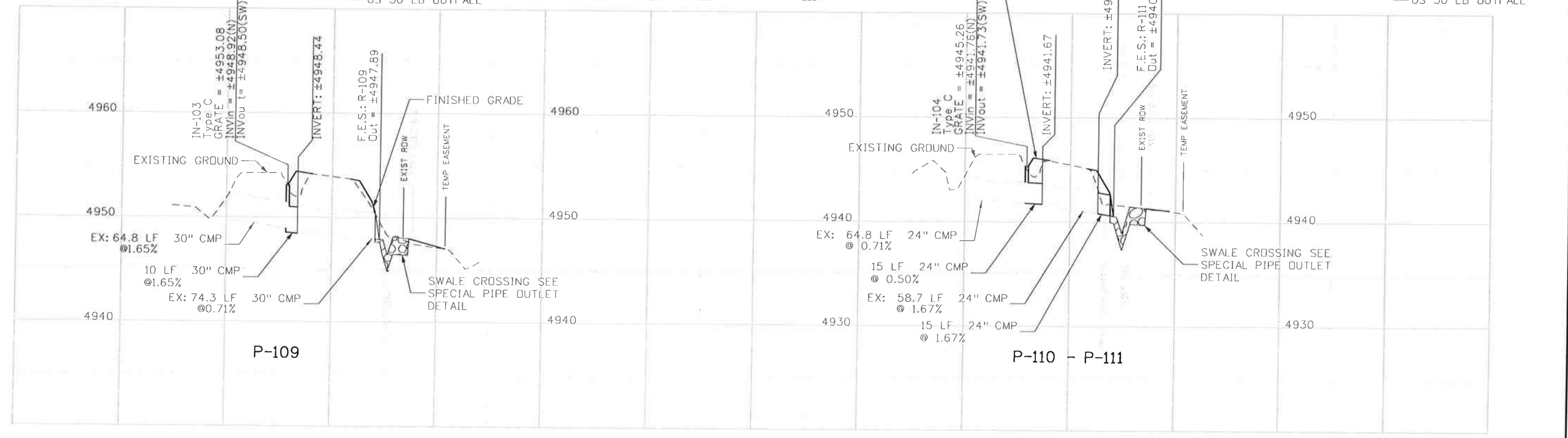
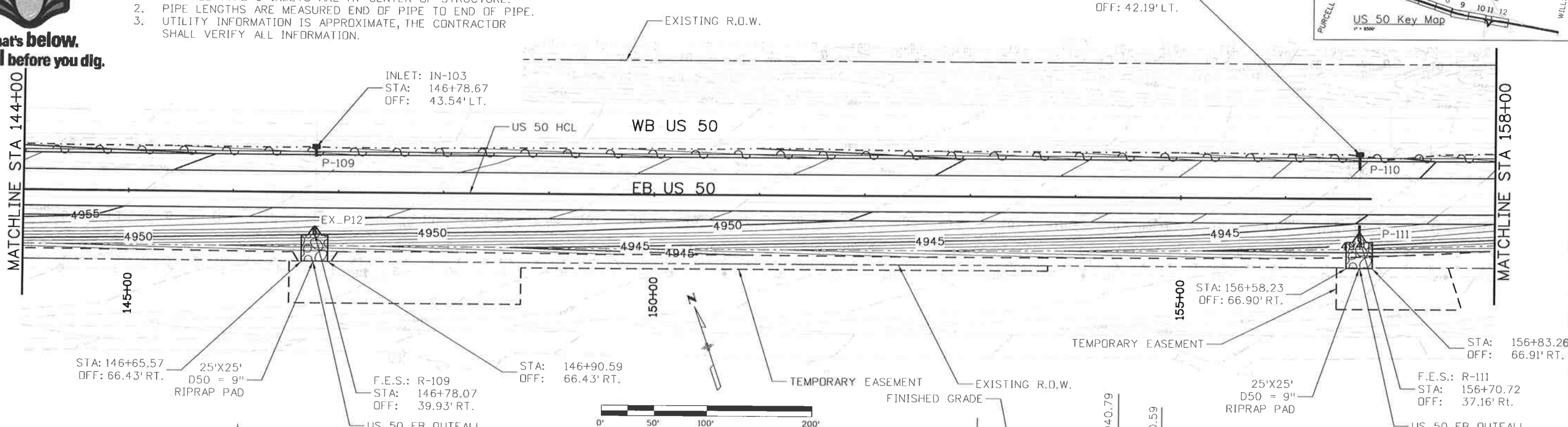
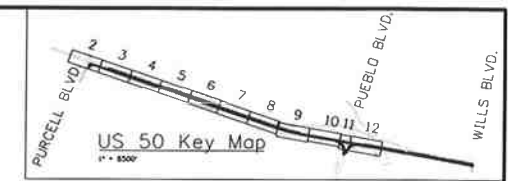
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Know what's below.
Call before you dig.

NOTE:

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Print Date: 10/9/2014		Sheet Revisions		Colorado Department of Transportation		As Constructed		US 50 WEST PURCELL BLVD. TO WILLS BLVD. PIPE PLAN AND PROFILE		Project No./Code	
File Name: 19056_XPipe-Plan and Profiles06.dgn		Date:	Comments	Init.	902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702		No Revisions:		Designer: LM		FSA 0503-081
Horiz. Scale: 1:100 Vert. Scale: As Noted					Region 2 DTD		Revised:		Detailer: AB		19751
JFS&A J. F. SAID AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120							Void:		Subset: PP		Sheet Number 134
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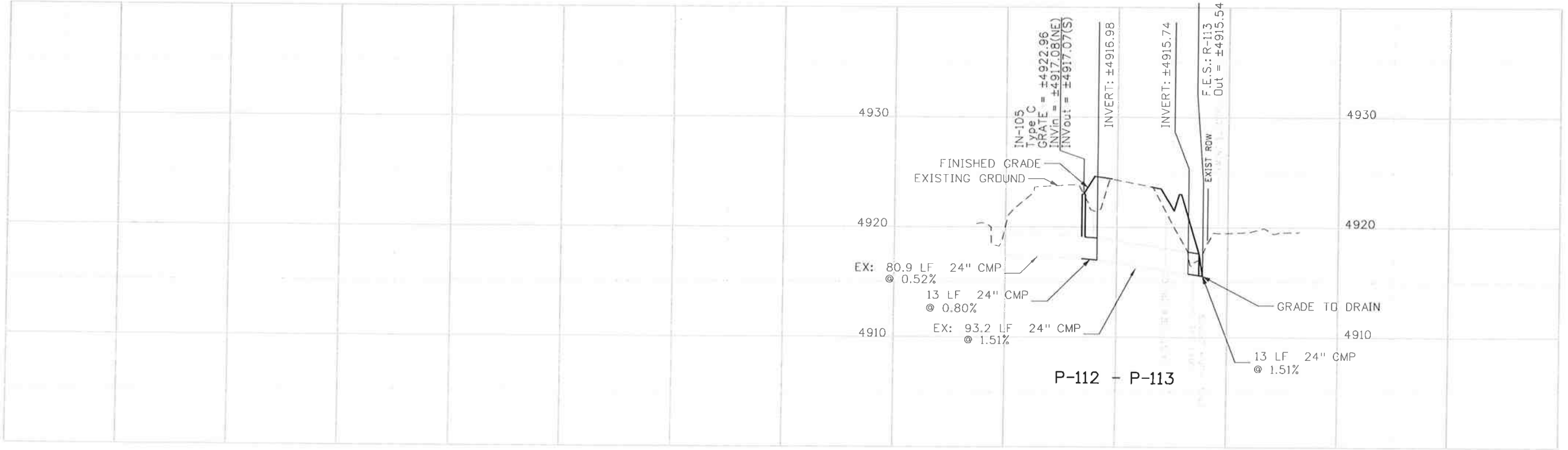
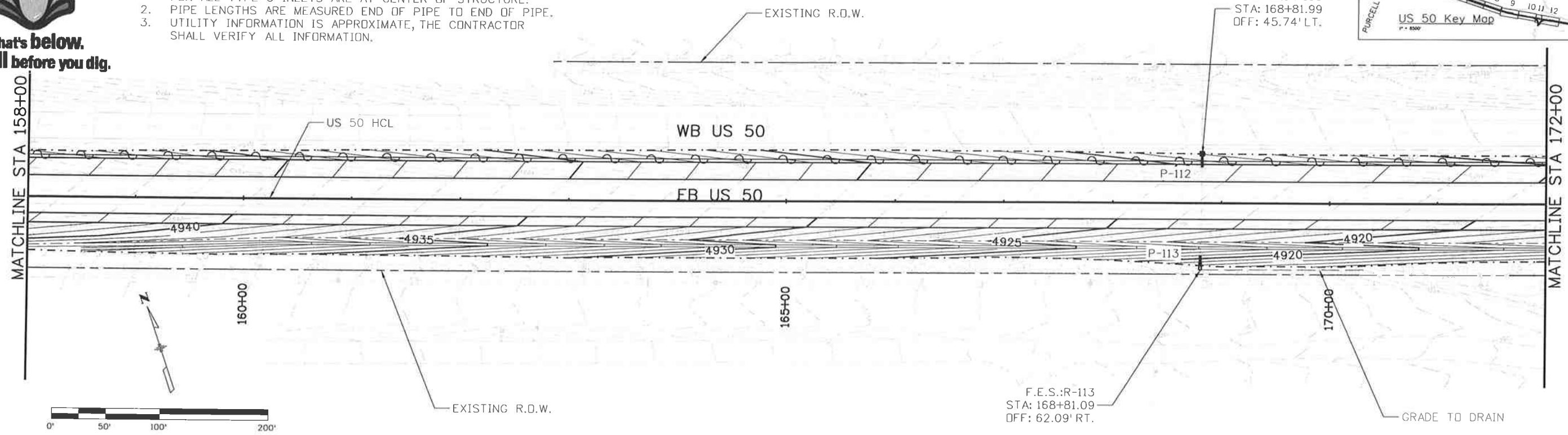
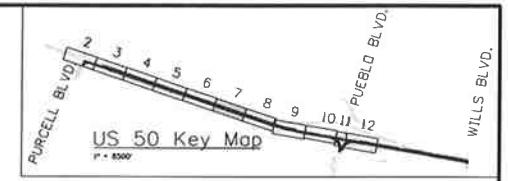
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Know what's below.
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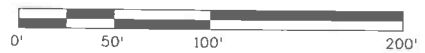
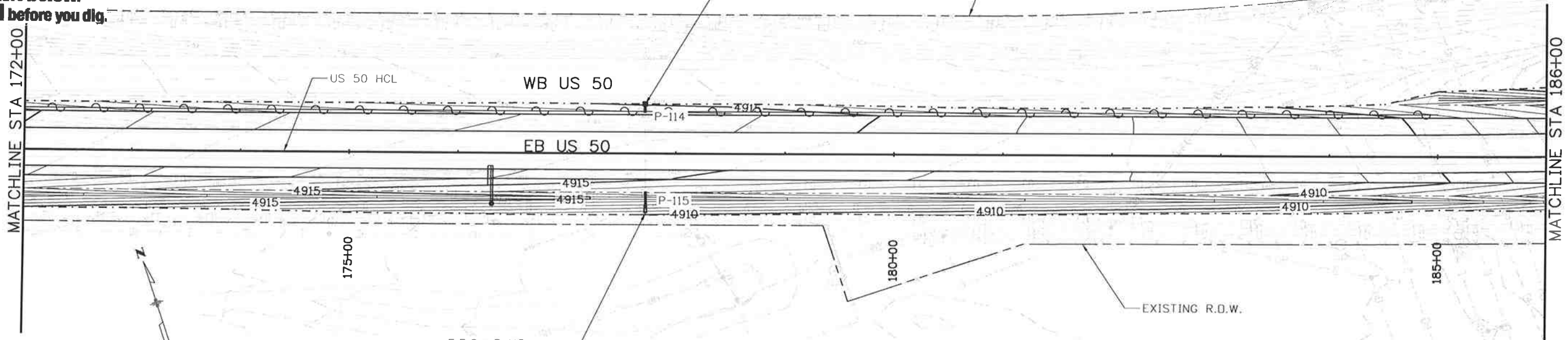
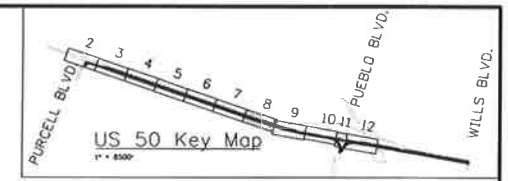
Print Date: 10/9/2014		Sheet Revisions		Colorado Department of Transportation		As Constructed		US 50 WEST PURCELL BLVD. TO WILLS BLVD. PIPE PLAN AND PROFILE		Project No./Code	
File Name: 19056_XPipe-Plan and Profiles07.dgn		Date:	Comments	Init.	902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702		No Revisions:		Designer: LM		Structure
Horiz. Scale: 1:100 Vert. Scale: As Noted					Region 2 DTD		Revised:		Detailer: AB		Numbers
JFS&A J. F. SATO AND ASSOCIATES 5898 South Ropp Street Littleton, Colorado 80120							Void:		Subset: PP		Subset Sheets: PP07of 12
											19751
											Sheet Number 135

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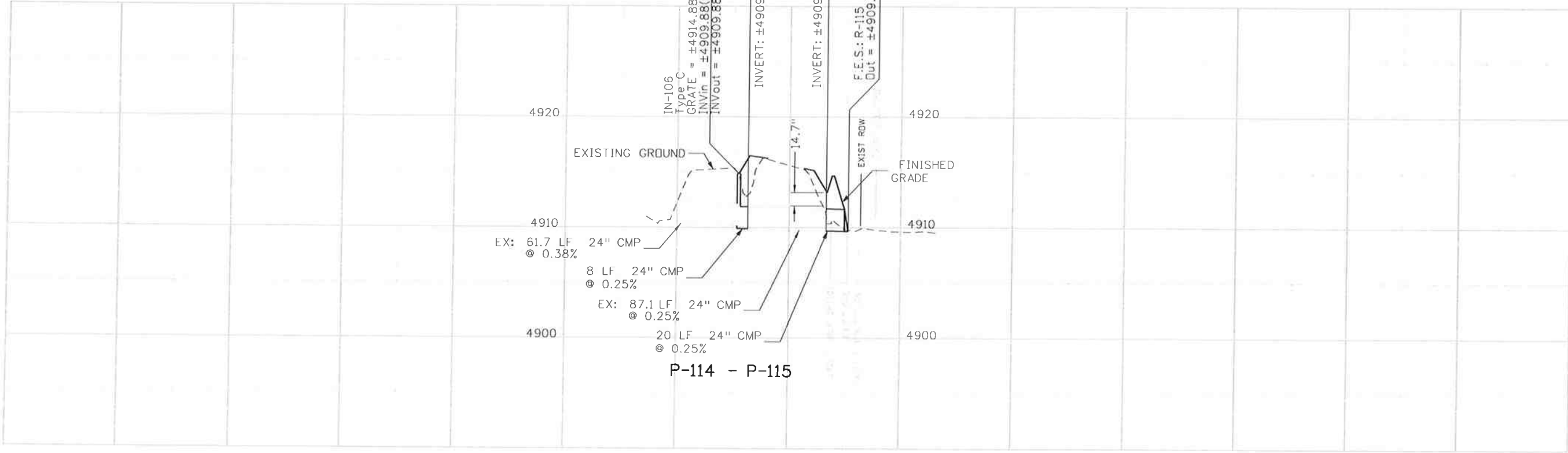


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F.E.S.: R-115
STA: 177+72.48
OFF: 55.00' RT.



Print Date: 10/9/2014	Sheet Revisions			Colorado Department of Transportation	As Constructed		US 50 WEST PURCELL BLVD. TO WILLS BLVD. PIPE PLAN AND PROFILE		Project No./Code
File Name: 19056_XPipe-Plan and Profiles08.dgn	Date:	Comments:	Init.		No Revisions:	Designer: LM	Structure:	FSA 0503-081	
Horiz. Scale: 1:100				902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2 DTD	Revised:	Detailer: AB	Numbers:	19751	
Vert. Scale: As Noted					Void:	Subset: PP	Subset Sheets: PP08of 12	Sheet Number 136	

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

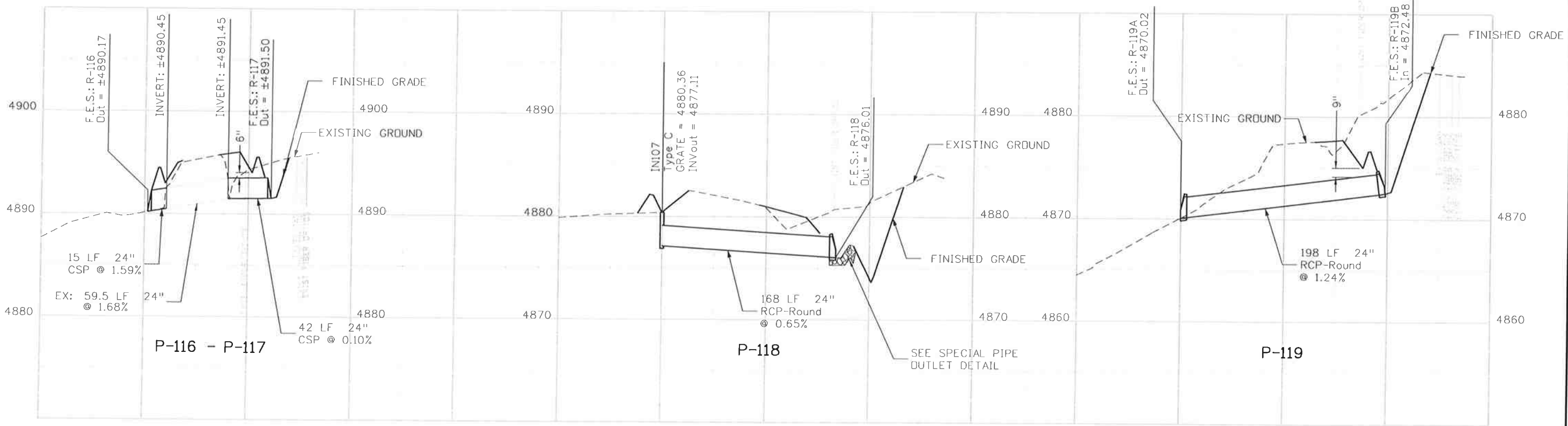
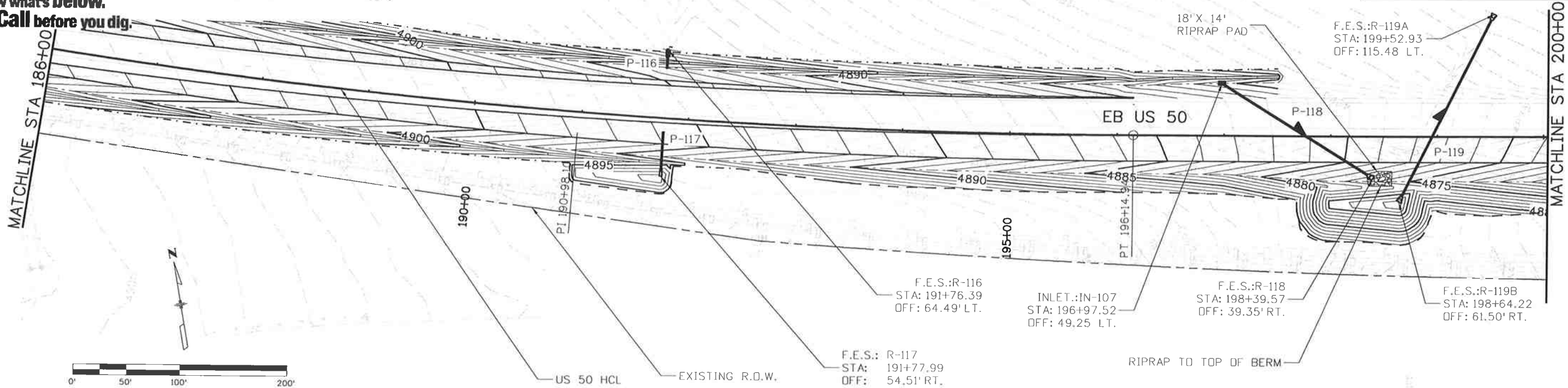
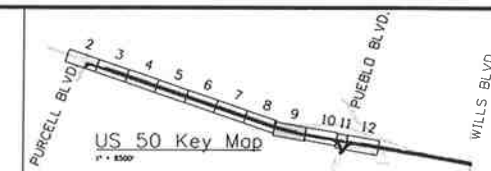
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Know what's below.
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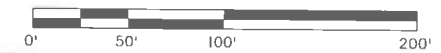
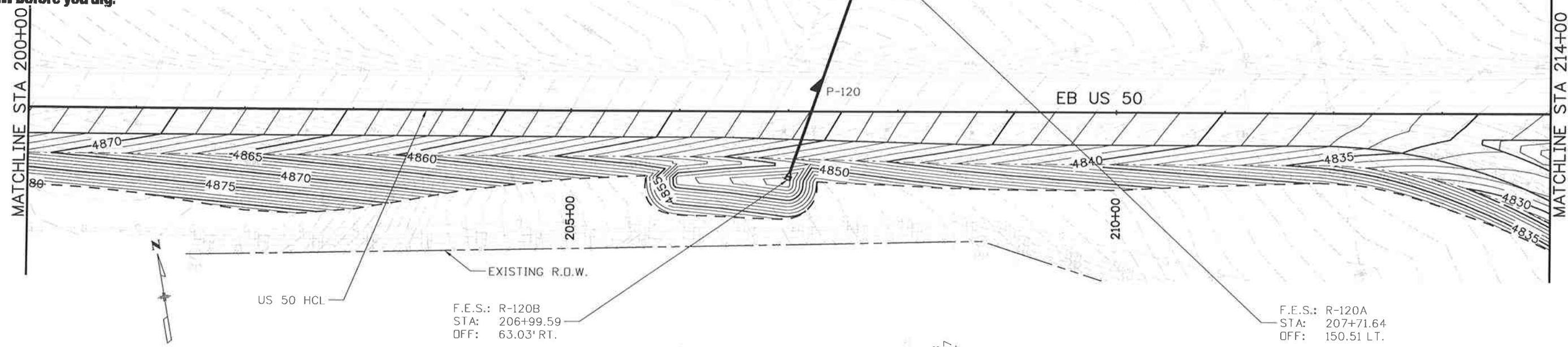
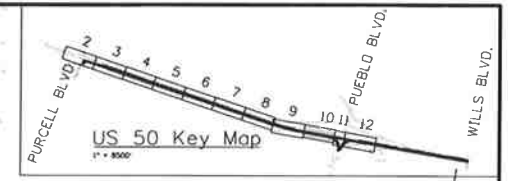
Print Date: 10/9/2014		Sheet Revisions		Colorado Department of Transportation		As Constructed		US 50 WEST PURCELL BLVD. TO WILLS BLVD. PIPE PLAN AND PROFILE		Project No./Code	
File Name: 19056_XPipe-Plan and Profiles09.dgn		Date:	Comments	Init.	902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702		No Revisions:		Designer: LM		Structure
Horiz. Scale: 1:100 Vert. Scale: As Noted					Region 2		Revised:		Detailer: AB		Numbers
JFS&A J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120					DTD		Void:		Subset: PP		Subset Sheets: PP09 of 12
0000											19751
											Sheet Number 137

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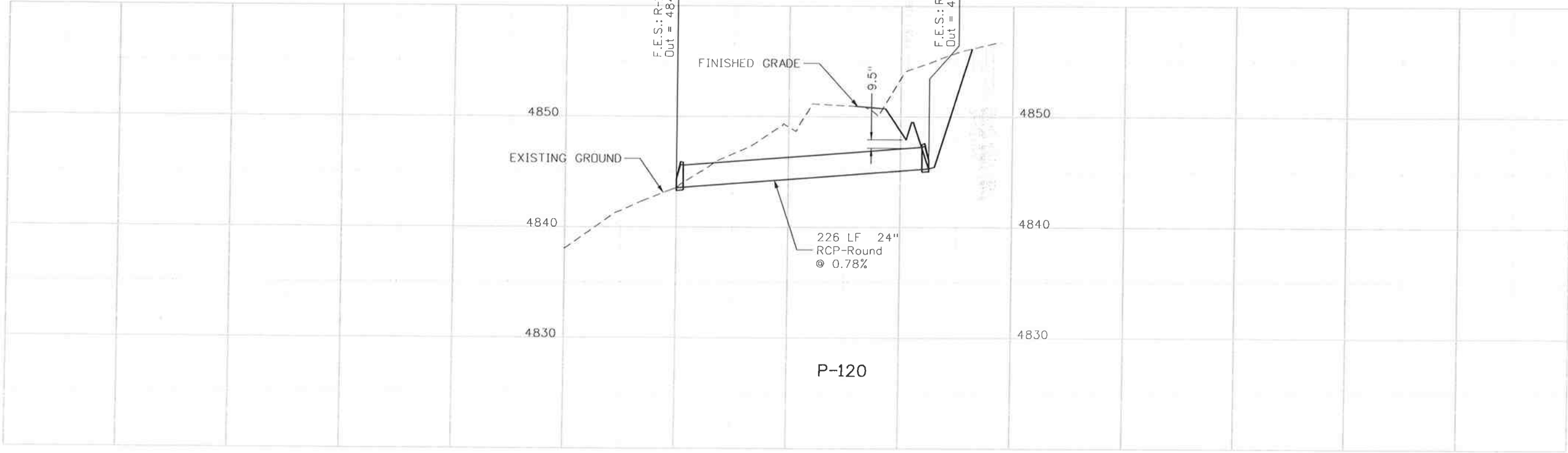
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F.E.S.: R-120B
 STA: 206+99.59
 OFF: 63.03' RT.

F.E.S.: R-120A
 STA: 207+71.64
 OFF: 150.51 LT.



Print Date: 10/9/2014	Sheet Revisions			Colorado Department of Transportation			As Constructed			US 50 WEST PURCELL BLVD. TO WILLS BLVD. PIPE PLAN AND PROFILE			Project No./Code	
File Name: 19056_XPipe-Plan and Profiles10.dgn	Date:	Comments	Init.	902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2			No Revisions: Revised: Void:			Designer: LM Detailer: AB Subset: PP			FSA 0503-081	
Horiz. Scale: 1:100.016 Vert. Scale: As Noted													19751	
	J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120		DTD										Sheet Number 138	

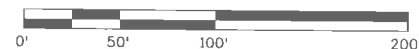
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Call before you dig.

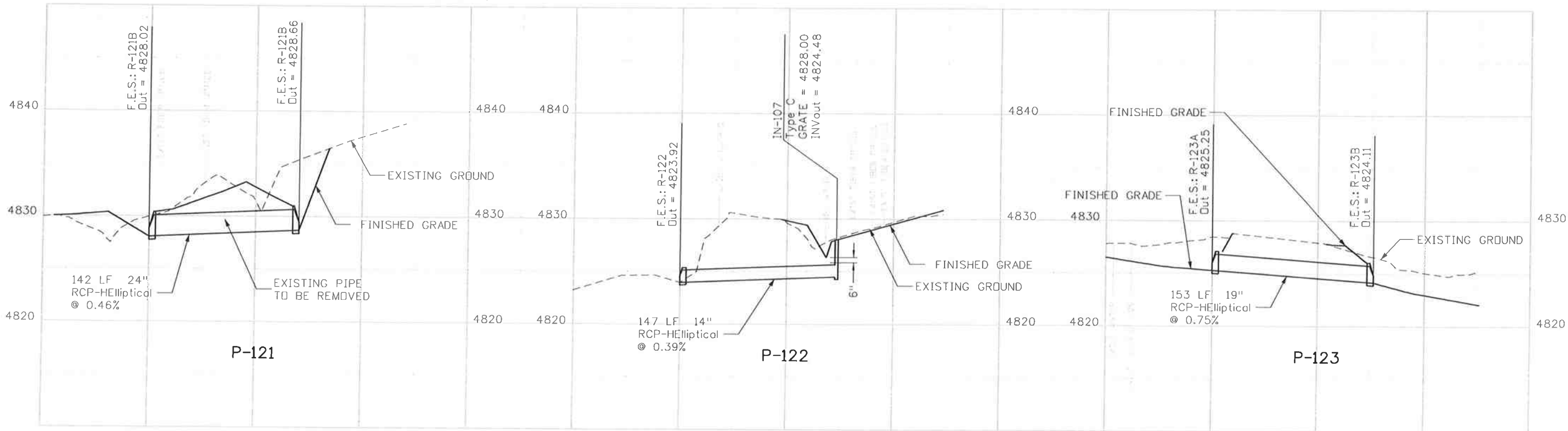
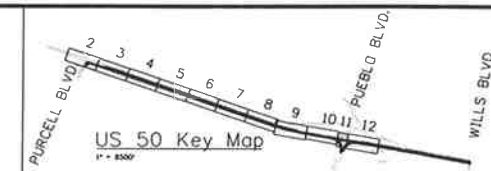
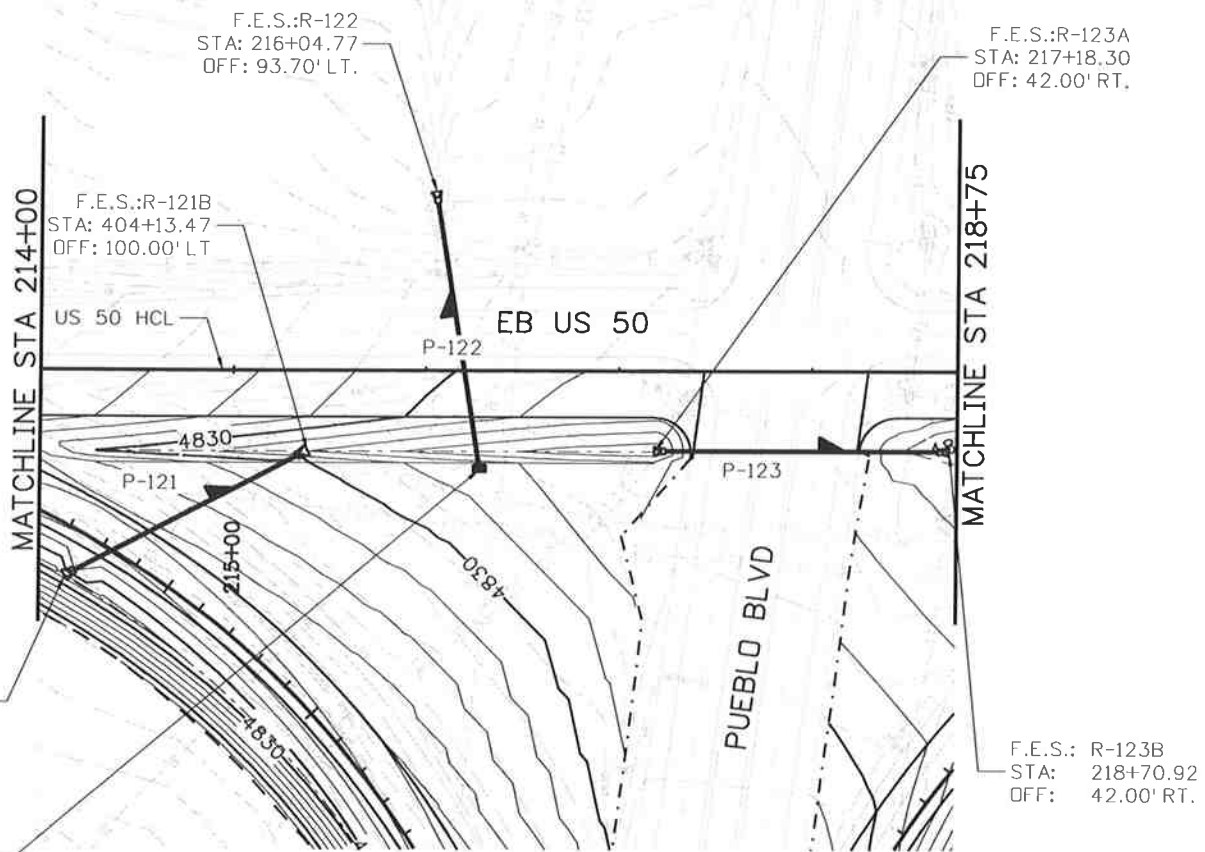
NOTE:

1. STATION AND OFFSET CALL-OUTS AND GRATE ELEVATIONS FOR ALL TYPE C INLETS ARE AT CENTER OF STRUCTURE.
2. PIPE LENGTHS ARE MEASURED END OF PIPE TO END OF PIPE.
3. UTILITY INFORMATION IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY ALL INFORMATION.



F.E.S.: R-121A
STA: 403+50.00
OFF: 24.00' RT.

INLET: IN-108
STA: 216+28.06
OFF: 51.30' RT.



Print Date: 10/9/2014

File Name: 19056_XPipe-Plan and Profiles1.dgn

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

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5898 South Rapp Street
Littleton, Colorado 80120

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Sheet Revisions

Date:	Comments	Init.

Colorado Department of Transportation



Region 2

902 Erie Avenue
Pueblo, CO 81001
Phone: 719-562-5509 FAX: 719-546-5702

DTD

As Constructed

No Revisions:

Revised:

Void:

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

Designer:	LM	Structure	
Detailer:	AB	Numbers	
Subset:	PP	Subset Sheets:	PP11 of 12

Project No./Code

FSA 0503-081

19751

Sheet Number 139

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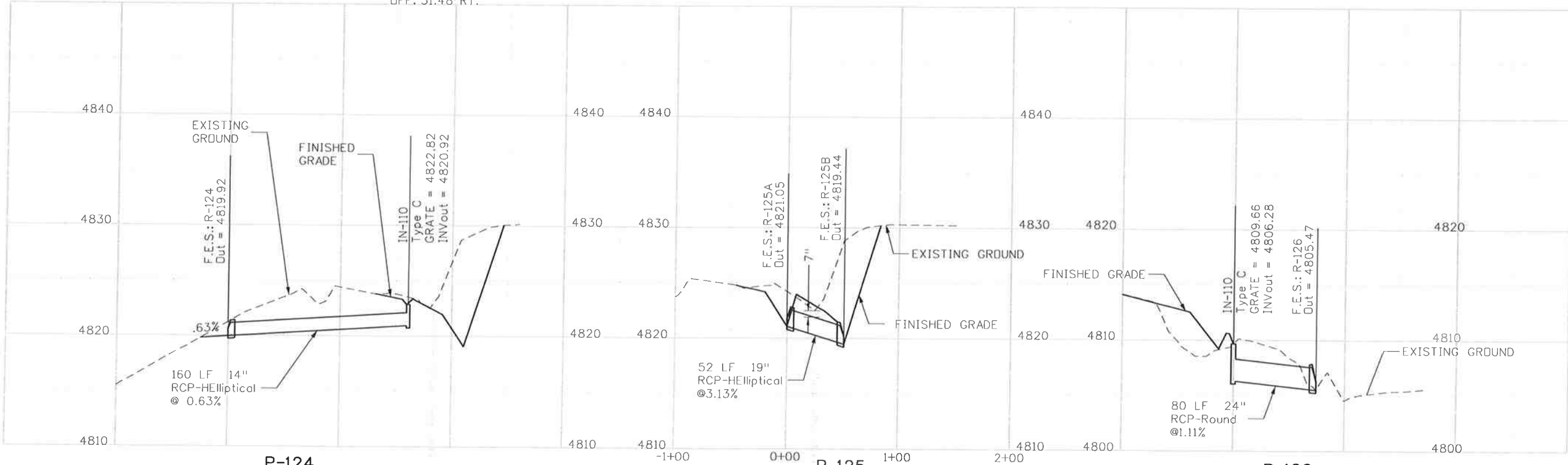
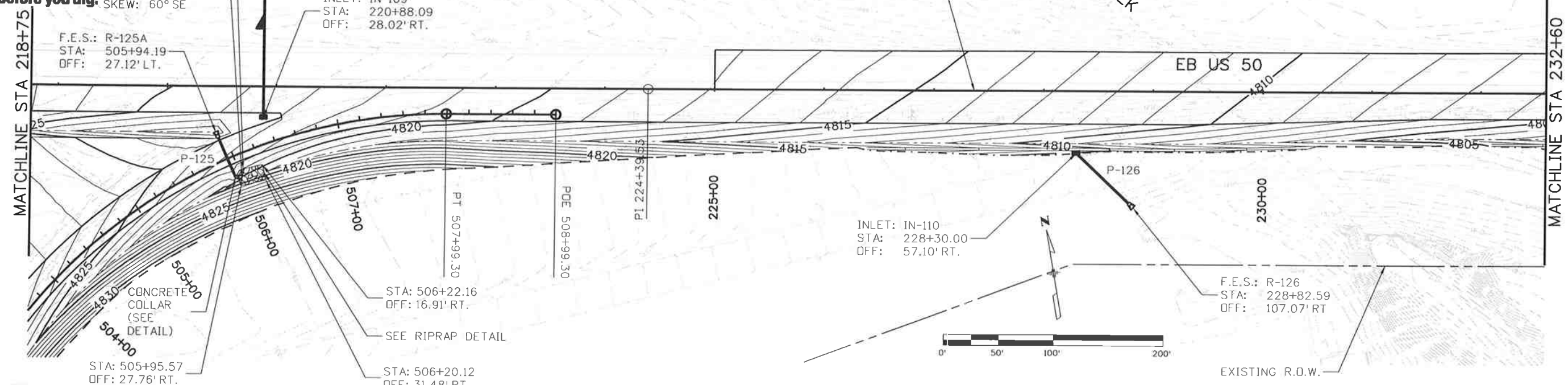
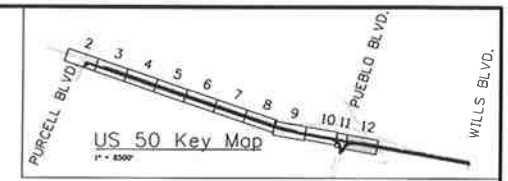
Know what's below.
Call before you dig.

STA: 506+03.55
OFF: 14.19' RT.
F.E.S.: R-124
STA: 220+88.09
OFF: 131.65' LT.

F.E.S.: R-125B
STA: 505+99.62
OFF: 20.99' RT
SKEW: 60° SE

F.E.S.: R-125A
STA: 505+94.19
OFF: 27.12' LT.

- NOTE:
1. STATION AND OFFSET CALL-OUTS AND GRATE ELEVATIONS FOR ALL TYPE C INLETS ARE AT CENTER OF STRUCTURE.
 2. PIPE LENGTHS ARE MEASURED END OF PIPE TO END OF PIPE.
 3. UTILITY INFORMATION IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY ALL INFORMATION.



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 DTD	As Constructed		US 50 WEST PURCELL BLVD. TO WILLS BLVD. PIPE PLAN AND PROFILE		Project No./Code
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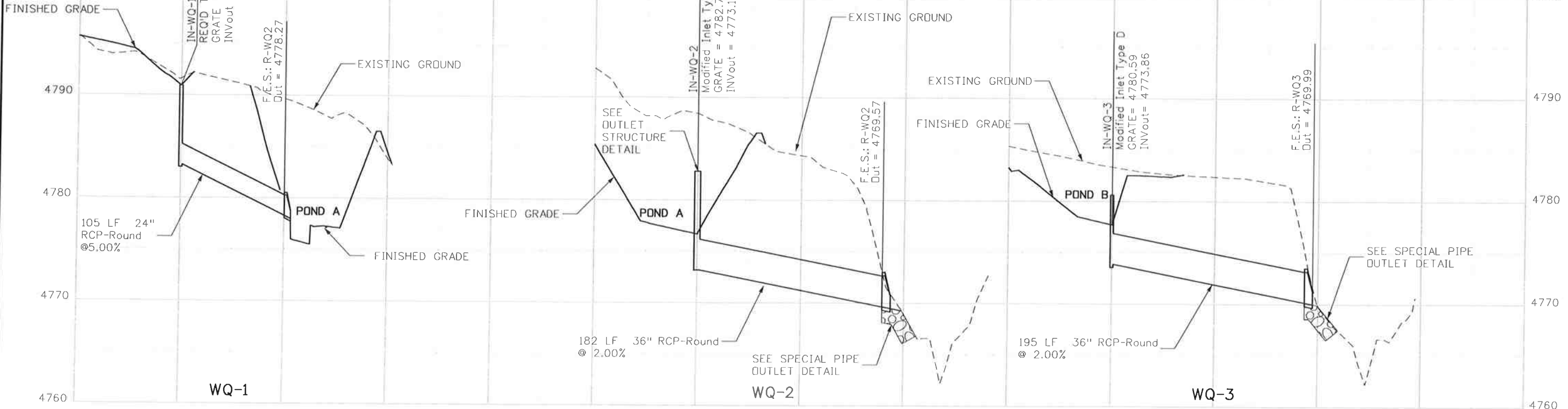
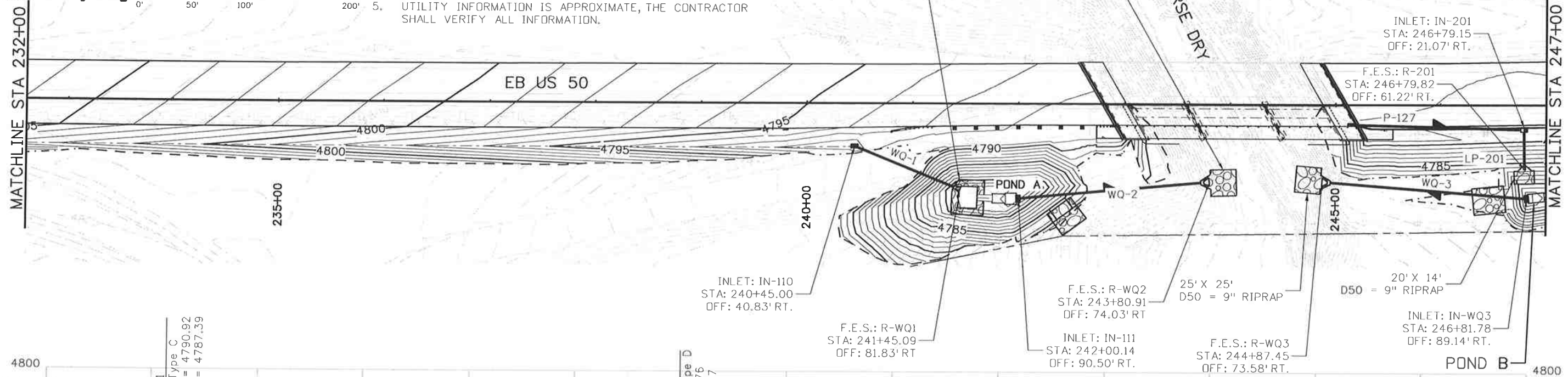
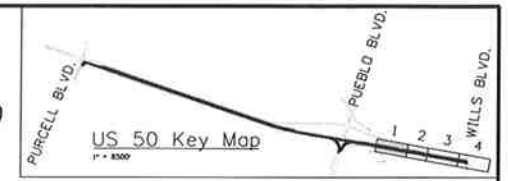
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Know what's below.
Call before you dig.



- NOTE:
1. STATION AND OFFSET CALL-OUTS AND RIM ELEVATIONS FOR ALL MANHOLES, TYPE C AND TYPE D INLETS ARE AT CENTER OF STRUCTURE.
 2. STATION AND OFFSET CALL-OUTS FOR TYPE R INLETS ARE AT MIDPOINT OF STRUCTURE ALONG FLOW LINE
 3. TYPE R INLET RIM ELEVATIONS ARE FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL MATCH AND VERIFY ELEVATIONS TO PROPOSED CURB AND CUTTER. PIPE LENGTHS ARE MEASURED END OF PIPE TO END OF PIPE.
 4. UTILITY INFORMATION IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY ALL INFORMATION.



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JFS&A J.F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120					DTD		Void:		Subset: PNP		Subset Sheets: PNP1 of 4
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											19751
											Sheet Number 141

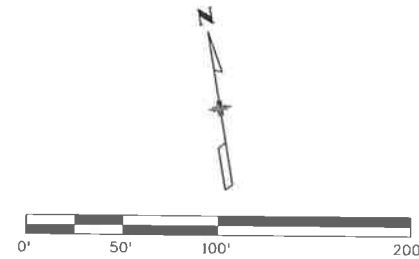
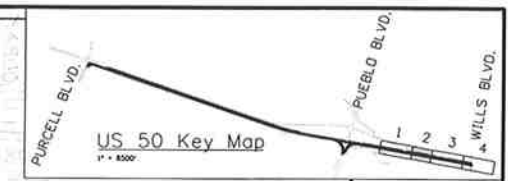
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Know what's below.
Call before you dig.

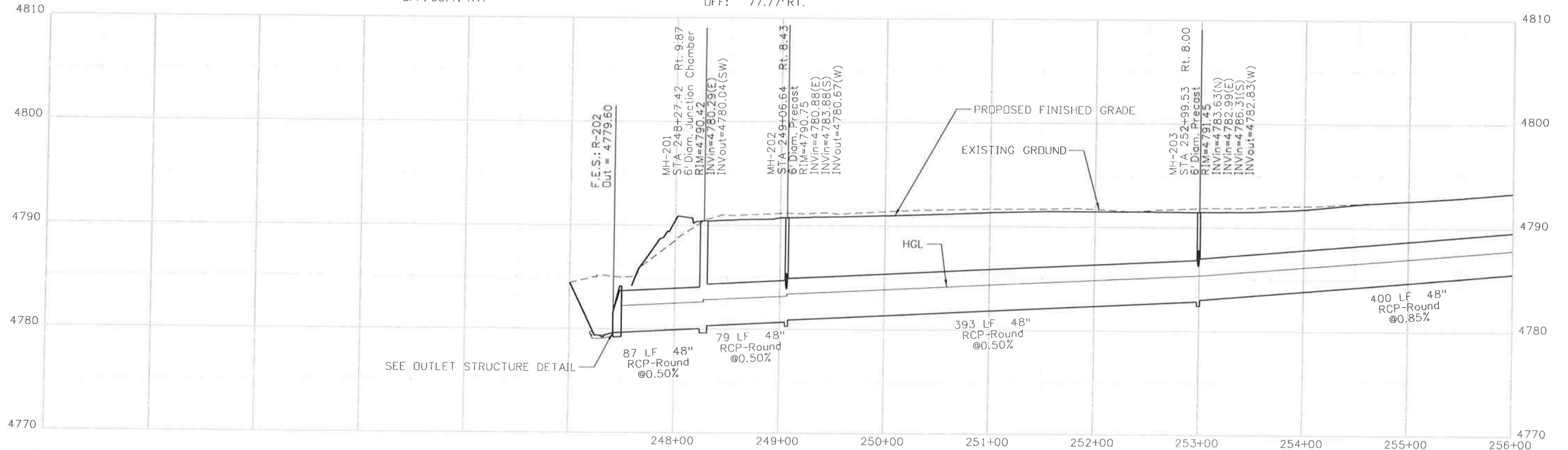
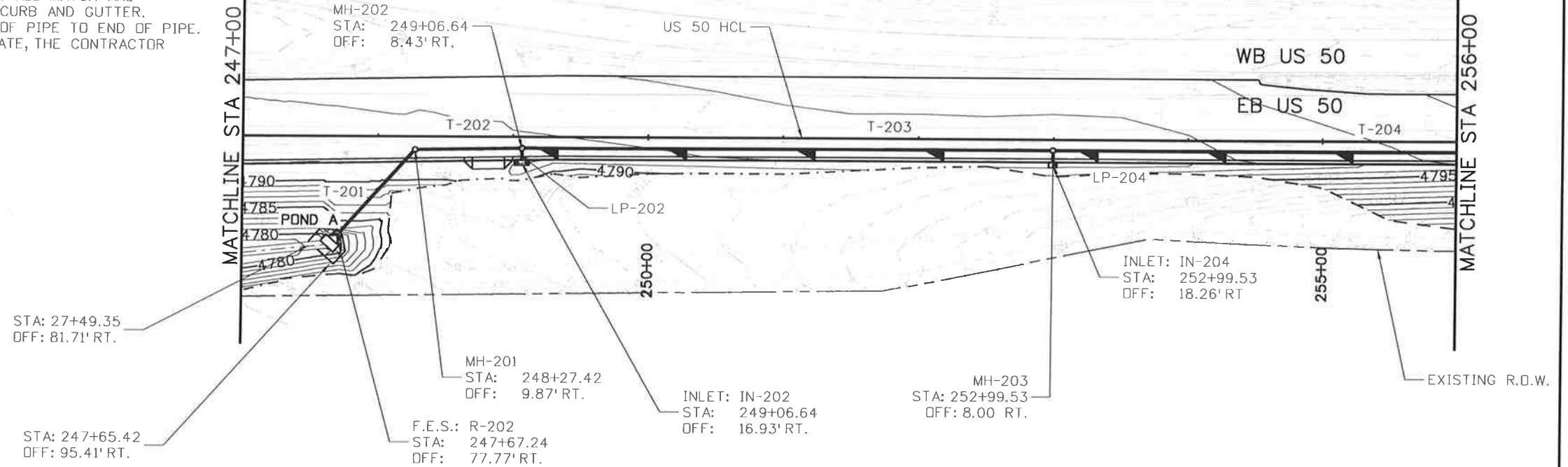
NOTE:

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MATCHLINE STA 247+00

MATCHLINE STA 256+00



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 File Name: 19056_STM-Plan and Profiles13.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
 PURCELL BLVD. TO WILLS BLVD.
 STM PLAN AND PROFILE**

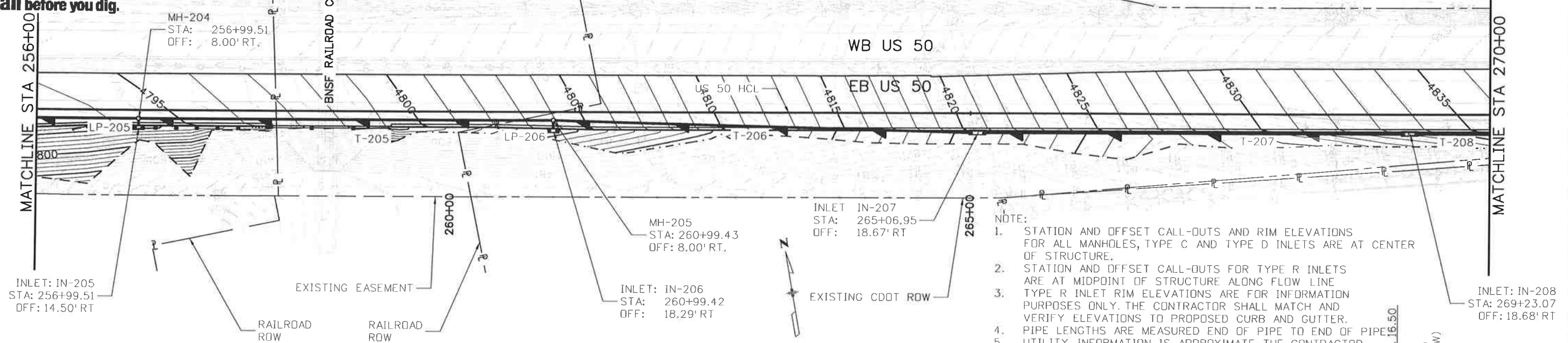
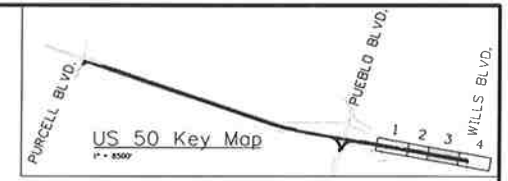
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Project No./Code
FSA 0503-081
19751
Sheet Number 142

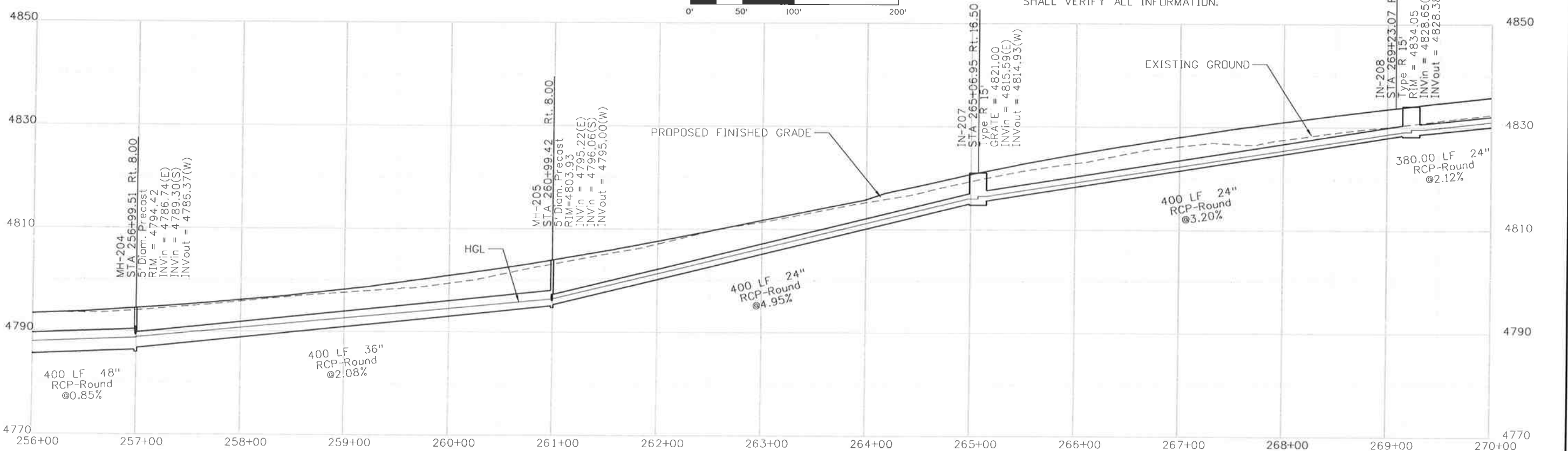
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- NOTE:
1. STATION AND OFFSET CALL-OUTS AND RIM ELEVATIONS FOR ALL MANHOLES, TYPE C AND TYPE D INLETS ARE AT CENTER OF STRUCTURE.
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Print Date: 10/9/2014
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Sheet Revisions		
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 Region 2 DTD

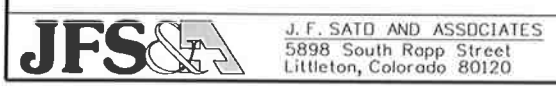
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US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 STM PLAN AND PROFILE

Designer: LM
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Structure Numbers
 Subset Sheets: PNP3of 4

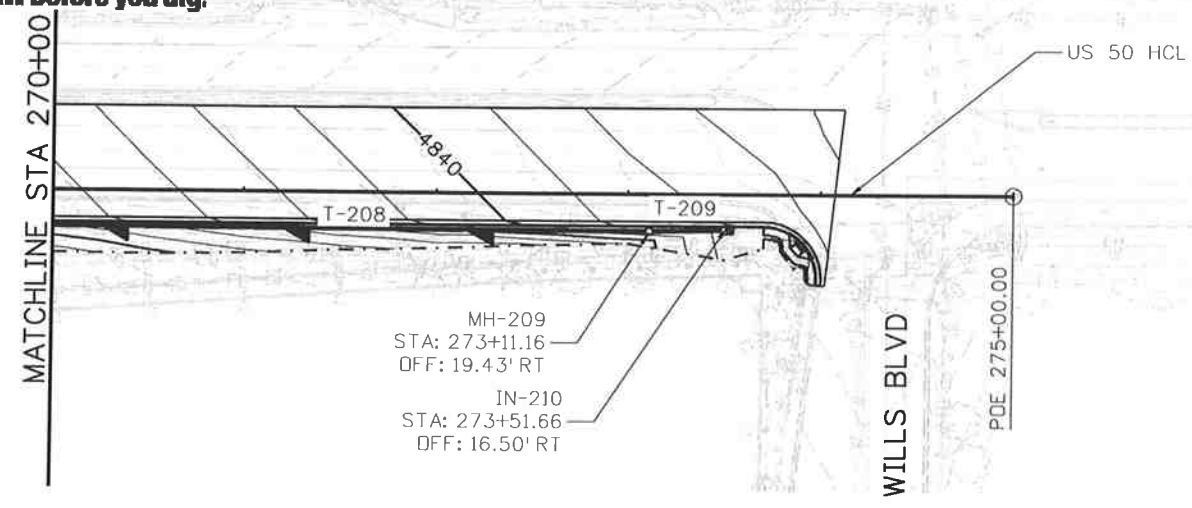
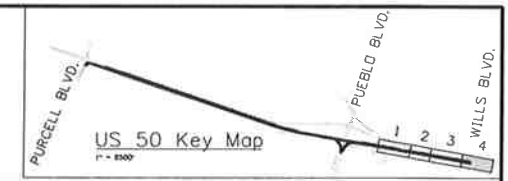
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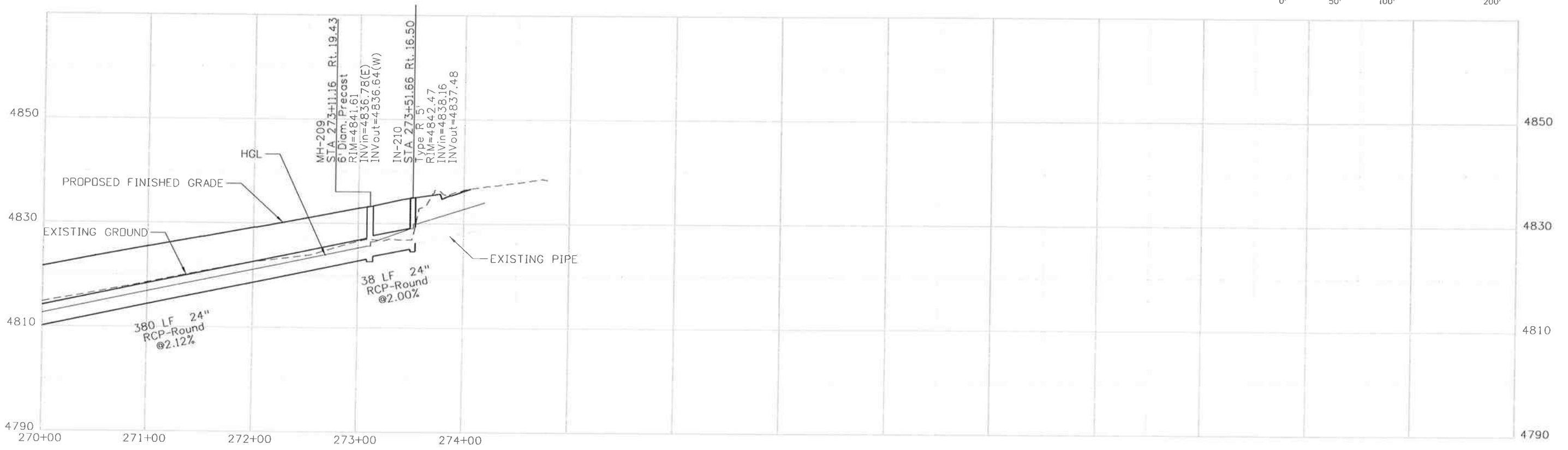
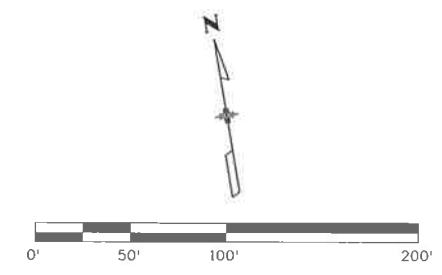
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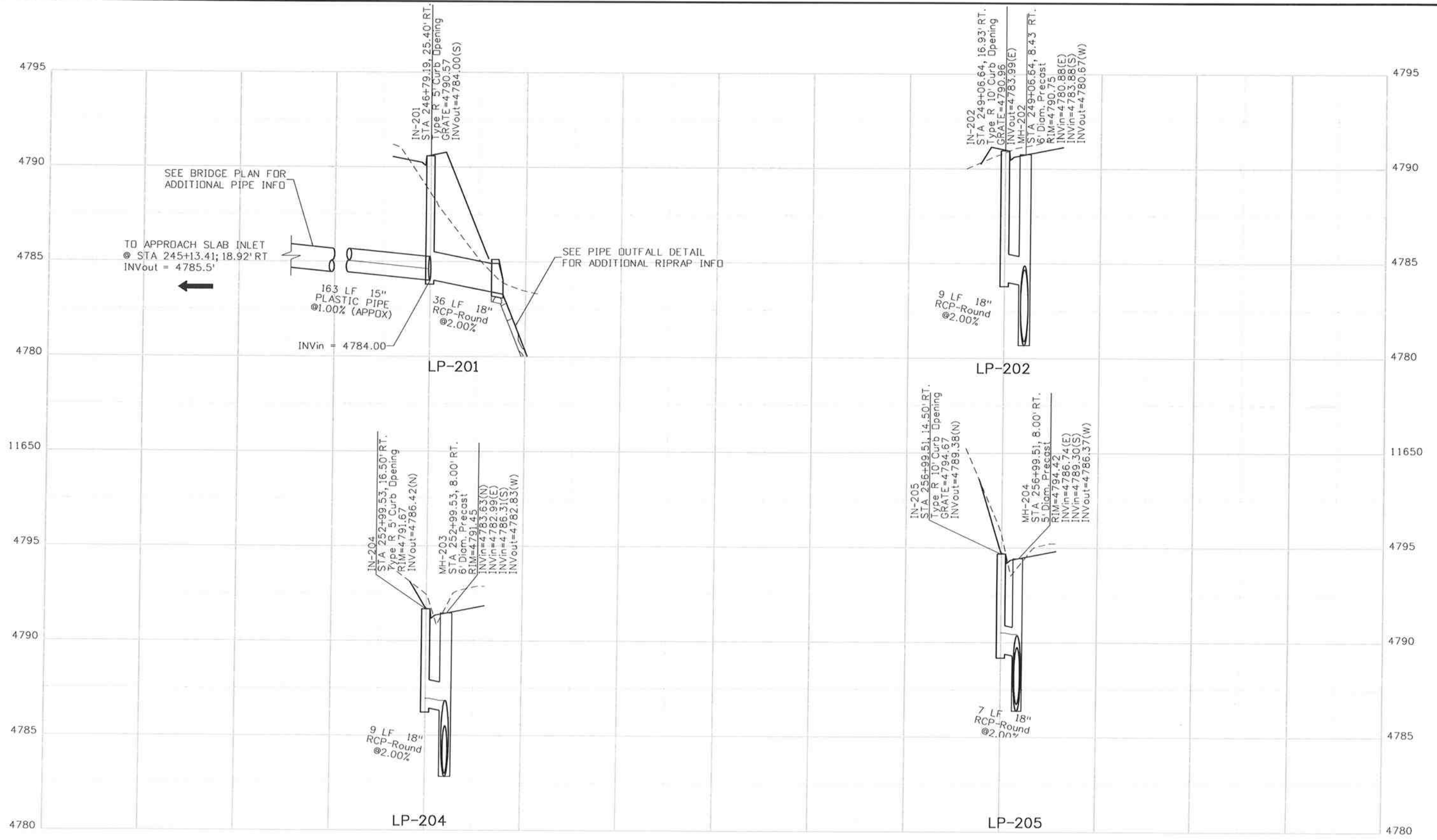
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Horiz. Scale: 1:100.027 Vert. Scale: As Noted				902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702	Revised:	Detailer: AB	Numbers	19751	
JFS&A J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120					Void:	Subset: PNP	Subset Sheets: PNP4of 4	Sheet Number	144
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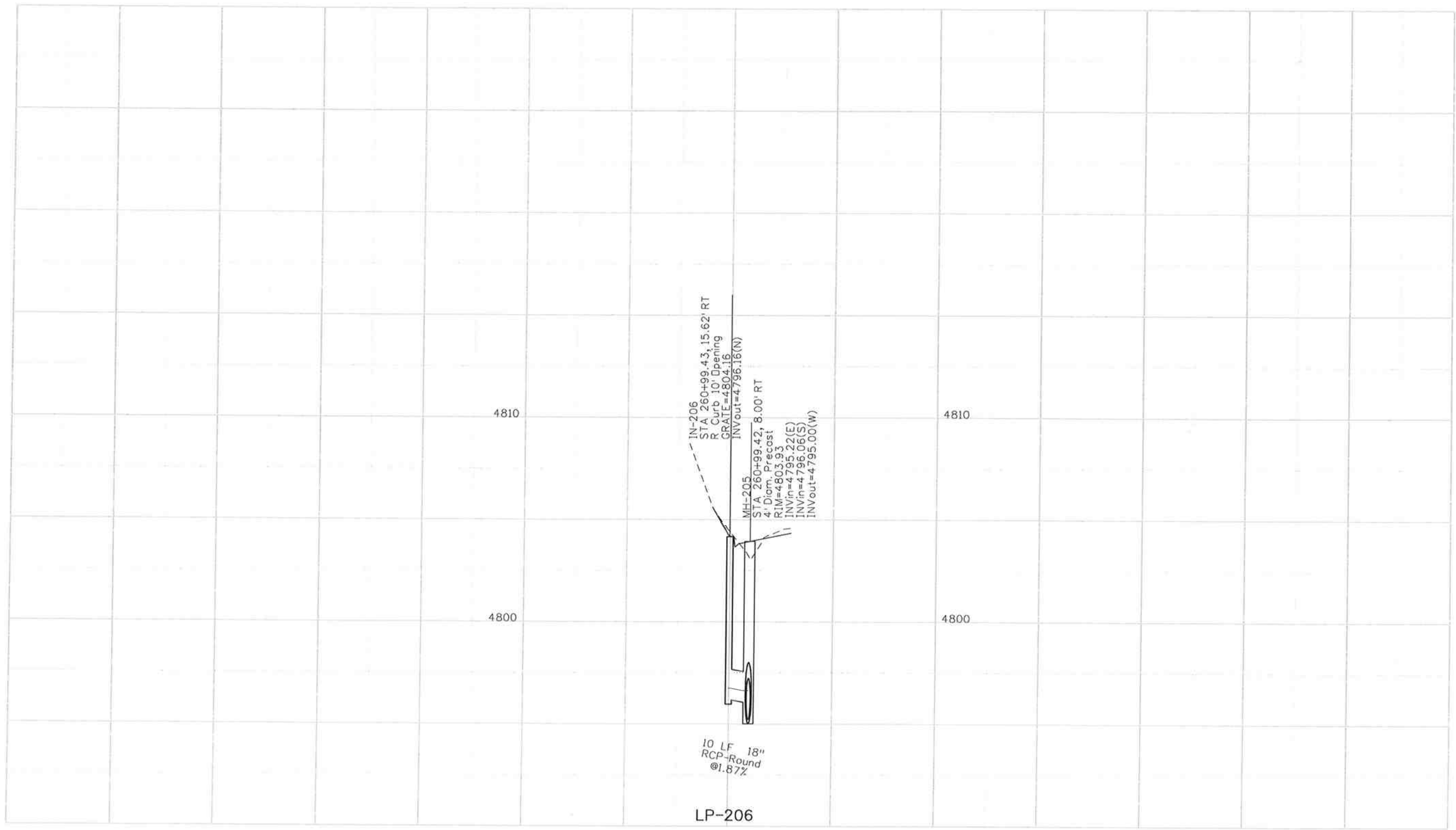
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JFS&A J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120								Void:		Sheet Number 145	
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 J. F. SATO AND ASSOCIATES 5898 South Ropp Street Littleton, Colorado 80120						No Revisions:		Designer: LM Structure Detailer: ACE Numbers Subset: LP Subset Sheets: LP02 of 2		Project No./Code FSA 0503-081 19751 Sheet Number 146																