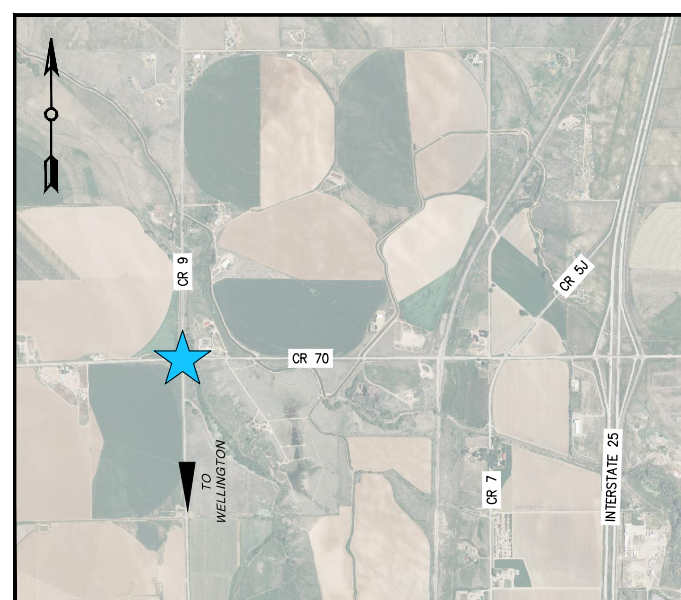




**CR 70 & CR 9 ROADWAY EXPANSION
PRPA 24" WATER PIPELINE RELOCATE**

ISSUED FOR BID – ADDENDUM #3
DATE: 02/07/2023

DRAWING NUMBER	DESCRIPTION	DATE	REVISION
PRPA-WR-AM-1001	AREA MAP	02/07/2023	3
PRPA-WR-AM-1002	TEMPORARY TRAFFIC CONTROL LOCATION	02/07/2023	3
PRPA-WR-AS-1201	ALIGNMENT SHEET – STA. 0+00 TO 14+85	02/07/2023	3
PRPA-WR-AS-1202	ALIGNMENT SHEET – CASING BORE DETAIL	02/07/2023	3
PRPA-WR-AP-1301	ABANDONMENT PLAN	02/07/2023	3
PRPA-WR-DET-2001	TIE-IN DETAILS	11/29/2022	2
PRPA-WR-DET-2002	TIE-IN DETAILS	11/29/2022	2
PRPA-WR-DET-2003	TIE-IN DETAILS	11/29/2022	2
S7013	PRPA RAWHIDE PROJECT – PLAN & PROFILE STA: 303+00 TO 379+00	07/16/1984	4
S7022	PRPA RAWHIDE PROJECT – MISCELLANEOUS DETAILS	07/16/1984	4
3-8026-C	COAL TAR ENAMEL COAT & WRAP	10/08/1979	—
5	LARIMER COUNTY – TYPICAL SECTION	07/20/22	—

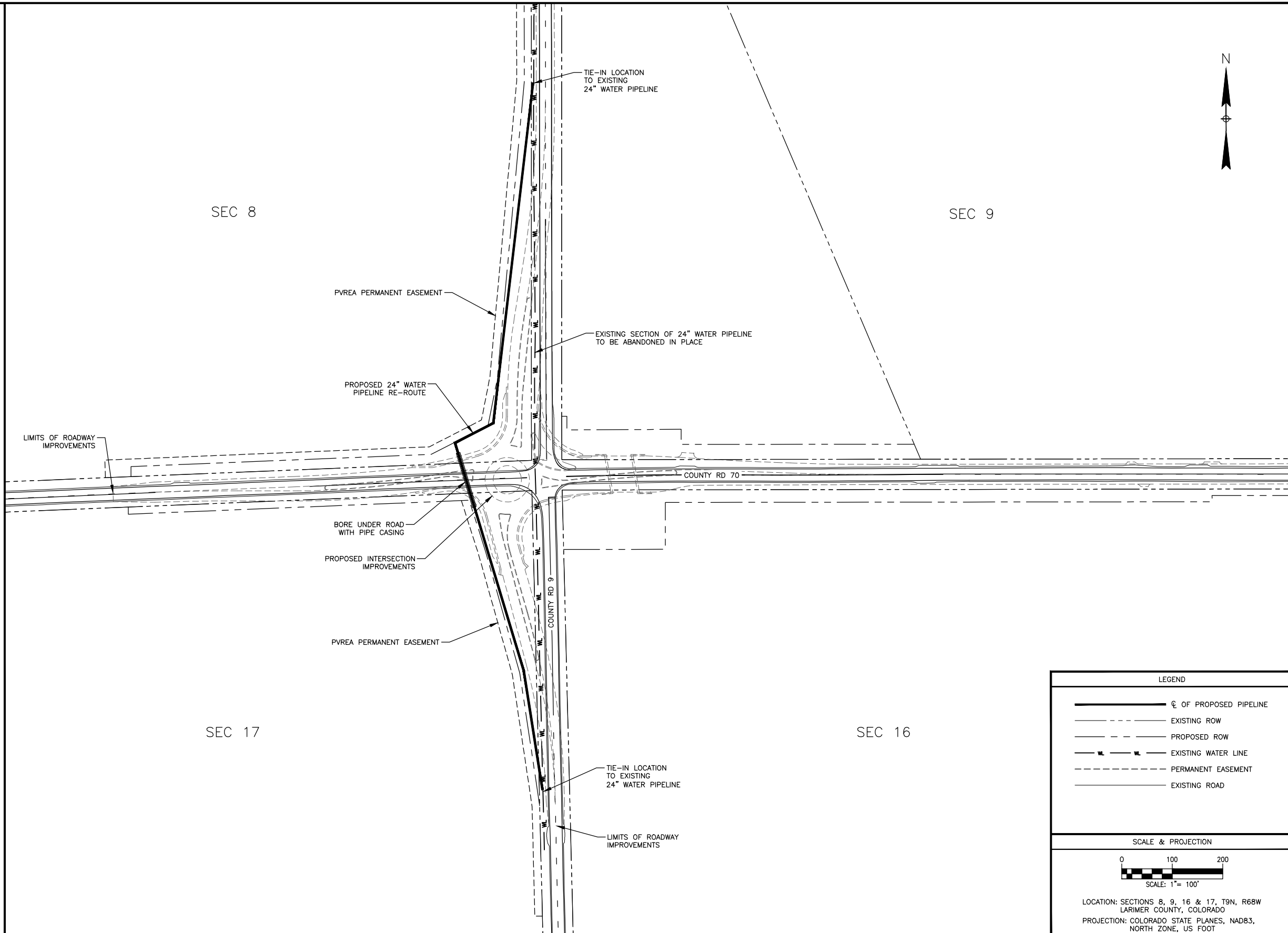


-VICINITY MAP-
-NOT TO SCALE-



GENERAL NOTES

- EXISTING TOPOGRAPHY, SURFACE FEATURES, AND UTILITIES ARE FROM A SURVEY PERFORMED BY LARIMER COUNTY.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS, TECHNICAL SPECIFICATIONS AND DETAILS. IF THE PRPA SPECIFICATIONS OR DETAILS ARE CONTRADICTORY, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF DISCREPANCIES OR OMISSIONS PRIOR TO CONSTRUCTION.
- A PRE-CONSTRUCTION MEETING MUST BE HELD AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROCUREMENT OF ALL PERMITS FOR THE CONSTRUCTION OF THE IMPROVEMENTS SHOWN, EXCEPT THOSE NOTED AS SPECIFICALLY EXEMPTED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL CALL THE UTILITY NOTIFICATION CENTER AT 811 AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO OBTAIN UTILITY LOCATIONS.
- THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY AND NOT ALL UTILITIES MAY BE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES AND COSTS WHICH MIGHT BE OCCASIONED BY THEIR FAILURE TO EXACTLY LOCATE AND PROTECT ANY AND ALL UTILITIES.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING FACILITIES INCLUDING WELL HEADS, EXISTING PIPING, AND ROADWAYS.
- THE CONTRACTOR SHALL VERIFY ELEVATIONS OF ALL EXISTING WATERLINES AND STRUCTURES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN, ON THE PROJECT SITE, A FULL SET OF CONSTRUCTION DRAWINGS, RECORDING ALL INFORMATION PERTAINING TO THE CONSTRUCTION. THESE RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RESETTING AND/OR REPLACING ANY EXISTING SIGNS, CULVERTS, STRUCTURES, LANDSCAPING, FENCES, ETC. ENCOUNTERED ON THE JOB AND RESTORING THEM TO THEIR ORIGINAL CONDITION.
- COMPACTION OF ALL BACKFILL MUST BE ATTAINED. COMPACTION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS, THESE PLANS, AND CONTRACT DOCUMENTS.
- CLEAN EXCESS EXCAVATED MATERIAL CAN BE SPREAD ON-SITE CONSISTENT WITH THE FINAL GESC PLAN. TOPSOIL ALREADY STOCKPILED AT THE SITE SHALL BE SPREAD ON-SITE BY THE CONTRACTOR AFTER SITE CONSTRUCTION AND SITE GRADING IS COMPLETE. THE CONTRACTOR SHALL BEAR ALL COSTS AND BE RESPONSIBLE FOR THE TRANSPORT AND OFF-SITE DISPOSAL OF ALL CONSTRUCTION WASTES AND UNSUITABLE EXCAVATED MATERIAL, SUCH AS ROAD BASE CONTAMINATED WITH SOIL.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS IN THE VICINITY OF THE WORK CLEAN AND COMPLETELY FREE OF ROCKS, DIRT AND DEBRIS AT ALL TIMES. THIS MAY REQUIRE RENTAL OF A MECHANICAL STREET SWEEPING DEVICE.
- SITE SECURITY DURING NON-WORKING HOURS WILL BE PROVIDED BY THE CONTRACTOR, IF DEEMED NECESSARY BY THE CONTRACTOR. THE CONTRACTOR MAY INSTALL BOLLARDS AND CHAINS ACROSS THE ACCESS ROAD FOR PERIODS WHEN THE CONTRACTOR IS NOT ON SITE, IF ACCEPTABLE BY LARIMER COUNTY.
- THE PRPA, THE ENGINEER AND/OR HIS REPRESENTATIVE ARE NOT GUARANTORS OF THE CONTRACTOR'S OBLIGATIONS OR HIS PERFORMANCE. OBSERVATIONS OF WORK IN PROGRESS AND ON-SITE VISITS ARE NOT TO BE CONSTRUED AS A GUARANTEE BY THE DISTRICT OR IT'S REPRESENTATIVE OF THE CONTRACTOR'S PERFORMANCE OF THE ACCEPTABILITY OF WORK DONE.
- THE CONTRACTOR SHALL CONFORM TO CURRENT OSHA REGULATIONS PARTICULARLY FOR EXCAVATIONS AND CONFINED SPACE ENTRY, AS APPLICABLE.
- THE ENGINEER AND/OR ITS REPRESENTATIVE ARE NOT RESPONSIBLE FOR SAFETY IN, ON, OR ABOUT THE PROJECT SITE. NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY OF ANY REGULATIONS RELATING THERETO.
- ALL WORK IS TO OCCUR IN CONCURRENCE WITH CR 70 AND CR 9 ROAD IMPROVEMENT WORK.
- THE CONTRACTOR IS RESPONSIBLE TO COORDINATE SCHEDULING AND ALL NECESSARY TRAFFIC CONTROL EFFORTS WITH ACTIVE ROADWAY CONSTRUCTION.
- THE CONTRACTOR NEEDS TO BE IN ACCORDANCE WITH THE LARIMAR COUNTY ROAD STANDARDS.
- EXISTING AND PROPOSED UTILITY LOCATIONS ARE SUBJECT TO CHANGE, DUE TO ONGOING UTILITY RELOCATION EFFORTS IN THE AREA. CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS THROUGHOUT THE CONSTRUCTION PROJECT TO ENSURE UTILITY CONFLICTS ARE MINIMIZED.



LEGEND

- CENTERLINE OF PROPOSED PIPELINE
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- EXISTING WATER LINE
- PERMANENT EASEMENT
- EXISTING ROAD

SCALE & PROJECTION

0 100 200
SCALE: 1" = 100'

LOCATION: SECTIONS 8, 9, 16 & 17, T9N, R68W
LARIMER COUNTY, COLORADO
PROJECTION: COLORADO STATE PLANES, NAD83,
NORTH ZONE, US FOOT

THIS DRAWING AND THE DESIGN IT COVERS ARE CONFIDENTIAL AND REMAIN THE PROPERTY OF PRPA AND SHALL NOT BE DISCLOSED TO OTHERS OR REPRODUCED IN ANY MANNER OR USED FOR ANY PURPOSE WHATSOEVER EXCEPT BY WRITTEN PERMISSION BY THE OWNER.

FILE PATH: P:\ENGINEERING\PROJECTS\PLATTE RIVER POWER AUTHORITY\2022 24 IN WATER PIPELINE RELOCATE\09 PROJECT DRAWINGS\01 AREA MAP\PRPA-WR-AM-1001.DWG BY:ANDREWS DATE:Feb 10, 2023 11:27am BT:Kolo Andrews PLOT STYLE: PSI-PIPING.ctb

NOTES:

REFERENCE DRAWINGS		REVISIONS							
DWG NO.	TITLE	REV	DESCRIPTION	BY	DATE	CHK BY	CHK DATE	APR BY	APR DATE
PRPA-WR-DET-2003	TIE-IN DETAILS	1							
PRPA-WR-DET-2002	TIE-IN DETAILS	2	ISSUED FOR BID - ADDENDUM #3 - MODIFIED PIPELINE ALIGNMENT	IEA	02/07/23	TSS	02/07/23		
PRPA-WR-DET-2001	TIE-IN DETAILS	3	ISSUED FOR BID - ADDENDUM #2 - MODIFIED PIPELINE ALIGNMENT	PJB	11/29/22	TSS	11/29/22		
PRPA-WR-AP-1301	ABANDONMENT PLAN	4	ISSUED FOR BID - ADDENDUM #1	PJB	08/18/22	TSS	08/18/22		
PRPA-WR-AS-1201	ALIGNMENT SHEET - STA: 0+00 TO 14+73	5	ISSUED FOR BID	PJB	07/30/22	TSS	07/30/22		



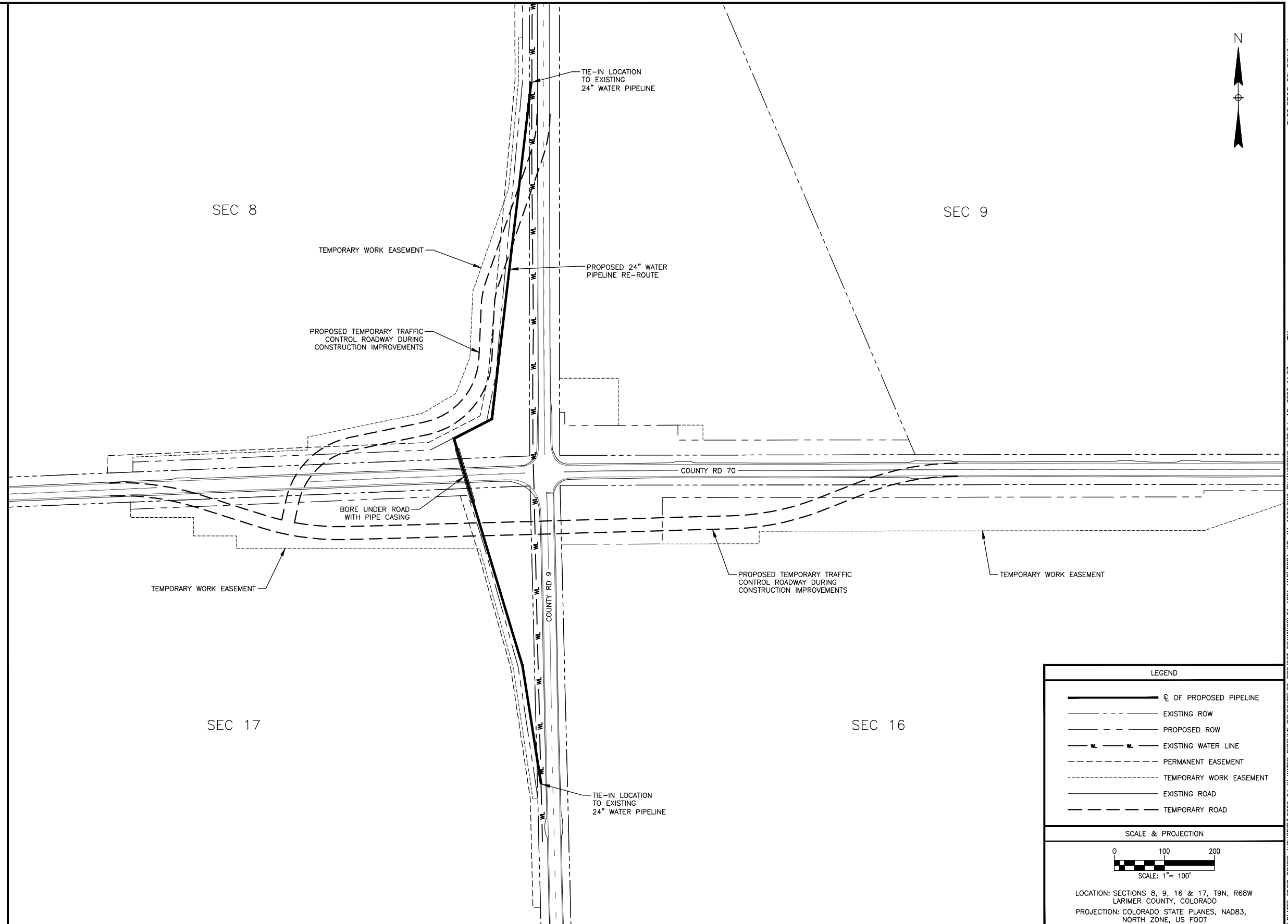
Platte River Power Authority

CR 70 & CR 9 ROADWAY EXPANSION
PRPA 24" WATER PIPELINE RELOCATE
AREA MAP

SCALE: AS NOTED DRAWING NO. PRPA-WR-AM-1001 REV. 3

GENERAL NOTES

1. PIPELINE RELOCATE AND CASING BORE SCHEDULING IS CRUCIAL TO COORDINATE WITH ALL NECESSARY UTILITY CROSSINGS AND TEMPORARY TRAFFIC CONTROL ROADWAY EFFORTS TO MINIMIZE CONFLICTS DURING INTERSECTION IMPROVEMENTS.
2. EXISTING AND PROPOSED UTILITIES LOCATIONS ARE SUBJECT TO CHANGE, DUE TO ONGOING UTILITY RELOCATION EFFORTS IN THE AREA. CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS THROUGHOUT THE CONSTRUCTION PROJECT TO ENSURE UTILITY CONFLICTS ARE MINIMIZED.



LEGEND

- CENTERLINE OF PROPOSED PIPELINE
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- EXISTING WATER LINE
- PERMANENT EASEMENT
- TEMPORARY WORK EASEMENT
- EXISTING ROAD
- TEMPORARY ROAD

SCALE & PROJECTION

0 100 200
SCALE: 1" = 100'

LOCATION: SECTIONS 8, 9, 16 & 17, T9N, R68W
LARIMER COUNTY, COLORADO
PROJECTION: COLORADO STATE PLANES, NAD83,
NORTH ZONE, US FOOT

NOTES:

REFERENCE DRAWINGS		REVISIONS							
DWG NO.	TITLE	REV	DESCRIPTION	BY	DATE	CHK BY	CHK DATE	APR BY	APR DATE
PRPA-WR-DET-2003	TIE-IN DETAILS	1							
PRPA-WR-DET-2002	TIE-IN DETAILS	2	ISSUED FOR BID - ADDENDUM #3 - MODIFIED PIPELINE ALIGNMENT	IEA	02/07/23	TSS	02/07/23		
PRPA-WR-DET-2001	TIE-IN DETAILS	3	ISSUED FOR BID - ADDENDUM #2 - MODIFIED PIPELINE ALIGNMENT	PJB	11/29/22	TSS	11/29/22		
PRPA-WR-AP-1301	ABANDONMENT PLAN	4	ISSUED FOR BID - ADDENDUM #1	PJB	08/18/22	TSS	08/18/22		
PRPA-WR-AS-1201	ALIGNMENT SHEET - STA: 0+00 TO 14+73	5	ISSUED FOR BID	PJB	07/30/22	TSS	07/30/22		



Platte River Power Authority

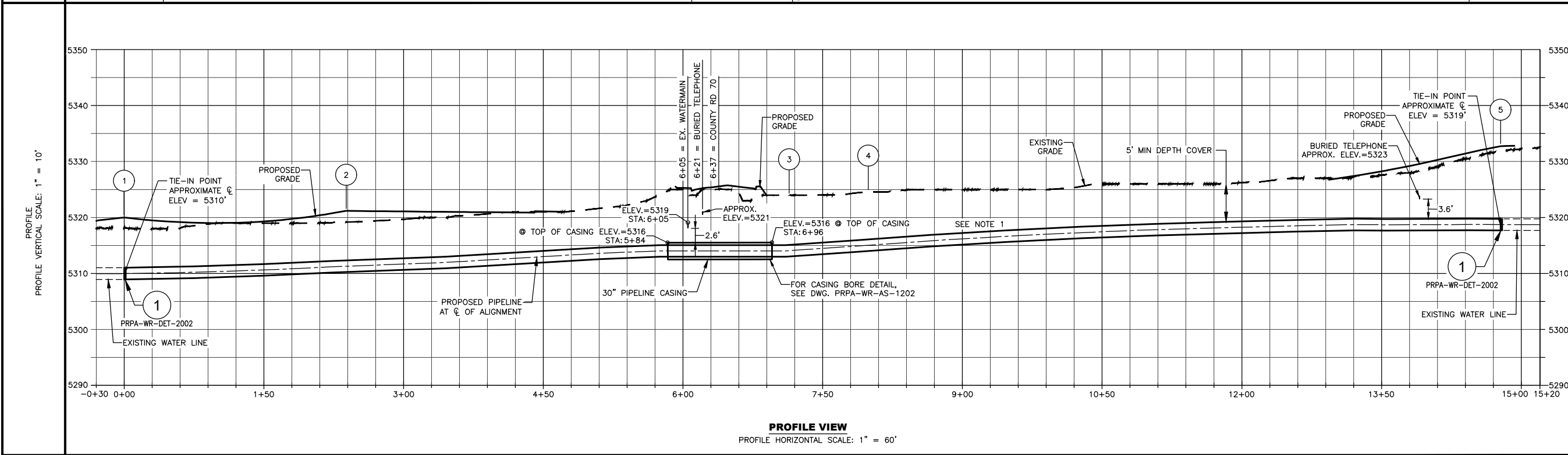
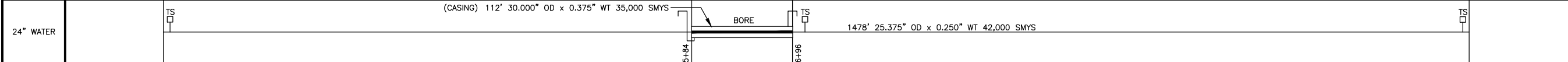
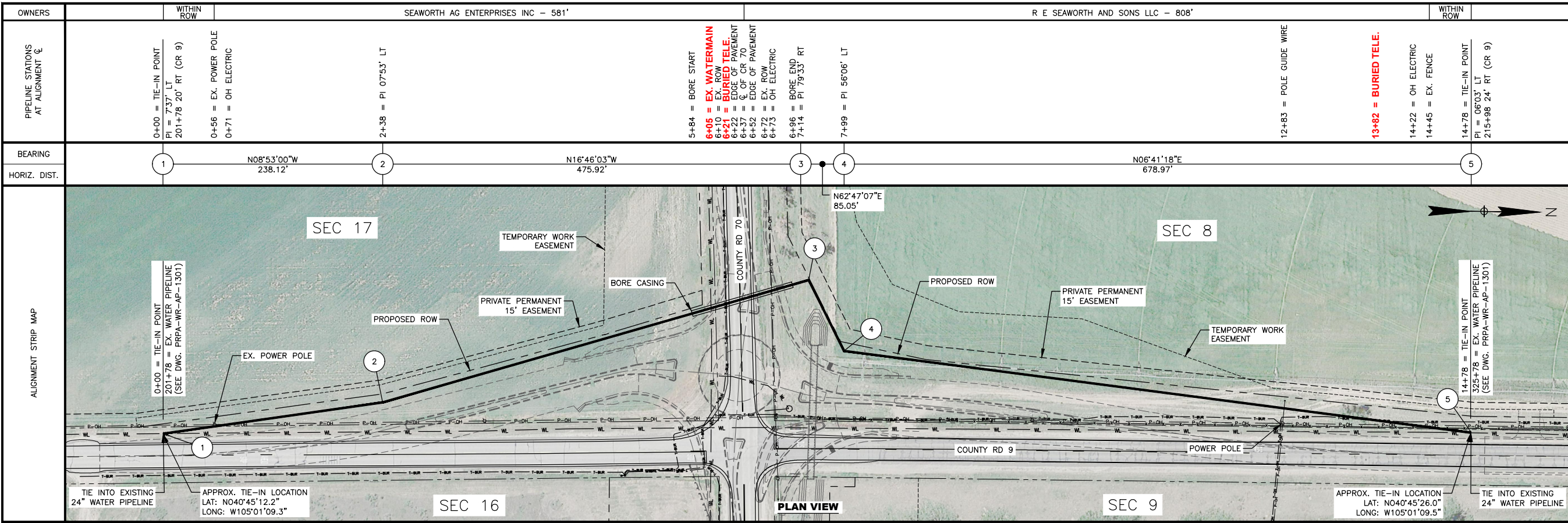
CR 70 & CR 9 ROADWAY EXPANSION
PRPA 24" WATER PIPELINE RELOCATE
AREA MAP
TEMPORARY TRAFFIC CONTROL LOCATION

SCALE: AS NOTED DRAWING NO. PRPA-WR-AM-1002 REV. 3

THIS DRAWING AND THE DESIGN IT COVERS ARE CONFIDENTIAL AND REMAIN THE PROPERTY OF PRPA AND SHALL NOT BE DISCLOSED TO OTHERS OR REPRODUCED IN ANY MANNER OR USED FOR ANY PURPOSE WHATSOEVER EXCEPT BY WRITTEN PERMISSION BY THE OWNER.

FILE PATH: P:\ENGINEERING\PROJECTS\PLATTE RIVER POWER AUTHORITY\2022 24 IN WATER PIPELINE RELOCATE\09 PROJECT DRAWINGS\01 AREA MAP\PRPA-WR-AM-1002.DWG BY:ANDREWS DATE:Feb 10, 2023 11:27am BY: kabo Andrews PLOT STYLE: PSI-PPIN&.ctb

THIS DRAWING AND THE DESIGN IT COVERS ARE CONFIDENTIAL AND REMAIN THE PROPERTY OF PRPA AND SHALL NOT BE DISCLOSED TO OTHERS OR REPRODUCED IN ANY MANNER OR USED FOR ANY PURPOSE WHATSOEVER EXCEPT BY WRITTEN PERMISSION BY THE OWNER.



- NOTES:**
- DURING CONSTRUCTION, ENSURE PIPELINE DEFLECTION DOES NOT EXCEED 2%, TO PROTECT THE INTERNAL CEMENT LINED COATING.
 - TRENCHES 5 FEET OR DEEPER SHALL USE PROTECTIVE SYSTEMS SUCH AS A TRENCH BOX TO PROTECT WORKERS AGAINST CAVE-IN. FOLLOW OSHA REGULATIONS FOR THE CORRECT INSTALLATION AND USE OF TRENCH BOXES.

REFERENCE DRAWINGS		REVISIONS							
DWG NO.	TITLE	REV	DESCRIPTION	BY	DATE	CHK BY	CHK DATE	APR BY	APR DATE
PRPA-WR-DET-2003	TIE-IN DETAILS	1	ISSUED FOR BID - ADDENDUM #3 - MODIFIED PIPELINE ALIGNMENT	IEA	02/07/23	TSS	02/07/23		
PRPA-WR-DET-2002	TIE-IN DETAILS	2	ISSUED FOR BID - ADDENDUM #2 - MODIFIED PIPELINE ALIGNMENT	PJB	11/29/22	TSS	11/29/22		
PRPA-WR-AS-1202	ALIGNMENT SHEET - CASING BORE DETAIL	1	ISSUED FOR BID - ADDENDUM #1	PJB	08/18/22	TSS	08/18/22		
PRPA-WR-AP-1301	ABANDONMENT PLAN	1	ISSUED FOR BID	PJB	07/30/22	TSS	07/30/22		



Platte River Power Authority

CR 70 & CR 9 ROADWAY EXPANSION
PRPA 24" WATER PIPELINE RELOCATE
ALIGNMENT SHEET
STATION 0+00 TO 14+78

SCALE: AS NOTED DRAWING NO.: PRPA-WR-AS-1201 REV: 3

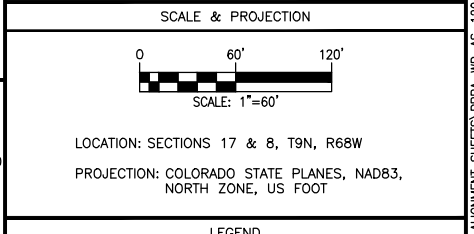
BILL OF MATERIALS

SERVICE	PIPE QUANTITIES - THIS DRAWING	WT	SMYS	LF	MFR
WATER	25.375"	0.250"	42,000	1478'	TBD
CASING	30.000"	0.375"	35,000	112'	TBD

MATERIAL QUANTITIES - THIS DRAWING

DESCRIPTION	QUANTITY
TEST STATION/MARKER	3
PIPELINE MARKER (PRPA WATER)	6
CASING VENT PIPES	2
#12 AWG WIRE (BLACK)	10'
ROYSTON HANDY - CAP OR EQUIV.	2
POWDER SHOTS FOR #12 AWG WIRE	2
DENSO PROTAL 7125/7200 OR EQUIV.	TBD
COPPER SLEEVES FOR #12 AWG WIRE	2
GALVANIC ANODE (FOR CASING) 34# SOLID MAGNESIUM	2
CASING SPACERS (QUANTITY PER MANUFACTURE)	TBD
SP 2888 (LITERS)	TBD
END SEAL LINK SEAL MODEL C (FOR CASING)	2
25.375" ELBOW, 45° 30'/3R, BW, STD (0.250"), CS MSS SP-75, ASTM A860, WPHY-52	3
25.375" ELBOW, 90° 30'/3R, BW, STD (0.250"), CS MSS SP-75, ASTM A860, WPHY-52	2

- FIELD NOTES**
- CONSTRUCTION:**
- ALL STATIONING IS TO CENTERLINE OF ALIGNMENT.
 - TEST: SEE TEST FORM
 - RADIOGRAPH: PER COMPANY'S STANDARDS
 - CODES: PIPELINE(S) INSTALLED UNDER THE FOLLOWING:
 - AWWA C200
 - AWWA M11
 - AWWA C206
 - COMPANY STANDARDS
 - CASING PIPE TO HAVE A GALVANIC ANODE AT EACH END OF CASING.
 - PIPELINE MARKERS WILL BE INSTALLED AT EVERY ROAD CROSSING AND PI'S.
- COATINGS:**
- PIPE COATING: 12-14 MILS FBE W/ 30 MILS ARO
 - BORED PIPE COATING: 12-14 MILS FBE W/ 30 MILS ARO
 - JOINT COATING: DENSO PROTAL 7125/7200 OR EQUIV.
 - BORE JOINT COATING: POWERCRETE J, COLD WEATHER JOINT COATING: SP 2888

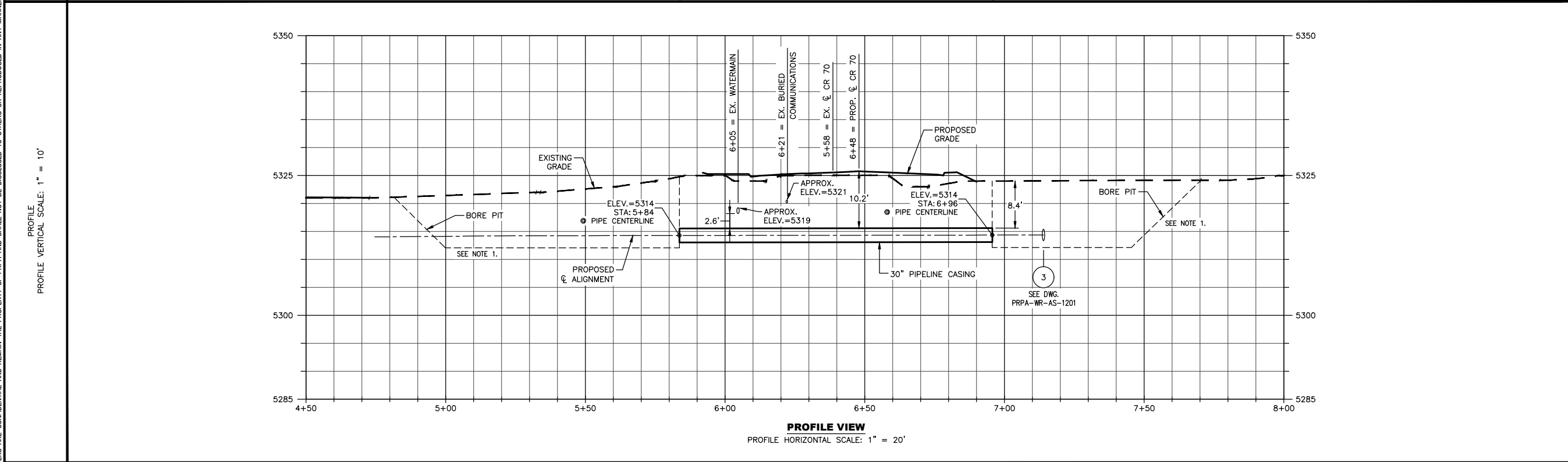
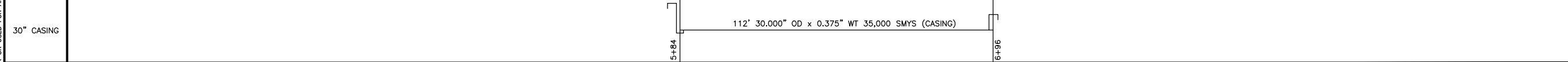
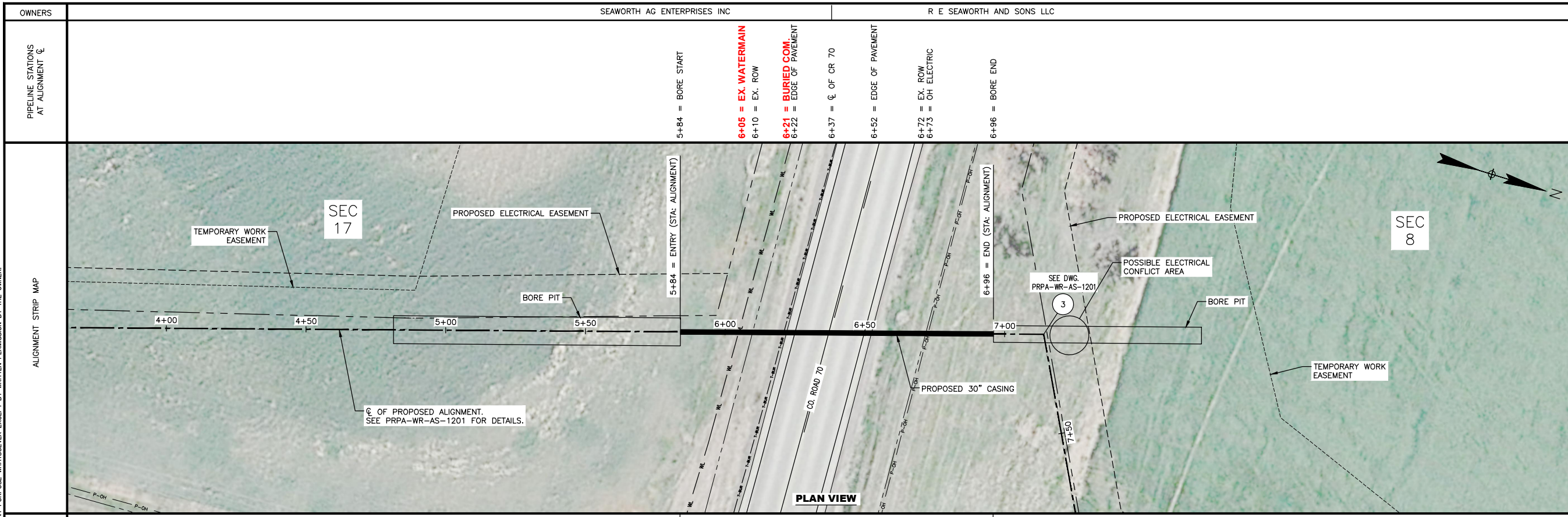


LEGEND

- CENTERLINE OF PROPOSED PIPELINE
- EXISTING ROW
- PROPOSED ROW
- PERMANENT EASEMENT
- TEMPORARY WORK EASEMENT
- EXISTING WATER LINE
- UNDERGROUND TELEPHONE
- OVERHEAD ELECTRICAL
- EXISTING ROAD
- PI
- TEST STATION
- CASING VENTS

FILE PATH: P:\ENGINEERING\PROJECTS\PLATE RIVER POWER AUTHORITY\2022 24 IN WATER PIPELINE RELOCATE\09 PROJECT DRAWINGS\02 ALIGNMENT SHEETS\PRPA-WR-AS-1201.DWG BY:ANDREWS DATE:Feb 08, 2023 3:02pm PLOT STYLE: PFI-PIPE.dwt

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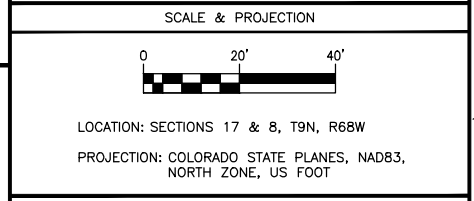


BILL OF MATERIALS

PIPE QUANTITIES - THIS DRAWING				
SERVICE	OD	WT	SMYS	LF
CASING	30.000"	0.375"	35,000	112'

MATERIAL QUANTITIES - THIS DRAWING	
DESCRIPTION	QUANTITY
CASING VENT PIPES	2
#12 AWG WIRE (BLACK)	10'
ROYSTON HANDY - CAP OR EQUIV.	2
POWDER SHOTS FOR #12 AWG WIRE	2
COPPER SLEEVES FOR #12 AWG WIRE	2
DENSO PROTAL 7125/7200 OR EQUIV.	TBD
SP 2888 (LITERS)	TBD
GALVANIC ANODE (FOR CASING) 34# SOLID MAGNESIUM	2
END SEAL, LINK SEAL MODEL C (FOR CASING)	2

- FIELD NOTES
- CONSTRUCTION:**
- ALL STATIONING IS TO CENTERLINE OF ALIGNMENT.
 - TEST: SEE TEST FORM
 - RADIOGRAPH: PER COMPANY'S STANDARDS
 - CODES: PIPELINE(S) INSTALLED UNDER THE FOLLOWING:
 - AWWA C200
 - AWWA M11
 - AWWA C206
 - COMPANY STANDARDS
 - CASING PIPE TO HAVE A GALVANIC ANODE AT EACH END OF CASING.
 - PIPELINE MARKERS WILL BE INSTALLED AT EVERY ROAD CROSSING AND PI'S.
- COATINGS:**
- PIPE COATING: 12-14 MILS FBE W/ 30 MILS ARO
 - BORED PIPE COATING: 12-14 MILS FBE W/ 30 MILS ARO
 - JOINT COATING: DENSO PROTAL 7125/7200 OR EQUIV.
 - BORE JOINT COATING: POWERCRETE J
COLD WEATHER JOINT COATING: SP 2888



LEGEND

	CL OF PROPOSED PIPELINE
	PROPOSED CASING
	EXISTING ROW
	PROPOSED ROW
	PERMANENT EASEMENT
	TEMPORARY WORK EASEMENT
	EXISTING WATER LINE
	UNDERGROUND TELEPHONE
	OVERHEAD ELECTRICAL
	EXISTING ROAD
	FENCE
	PI
	TEST STATION
	CASING VENTS

NOTES:

- TRENCHES 5 FEET OR DEEPER SHALL USE PROTECTIVE SYSTEMS SUCH AS A TRENCH BOX TO PROTECT WORKERS AGAINST CAVE-IN. FOLLOW OSHA REGULATIONS FOR THE CORRECT INSTALLATION AND USE OF TRENCH BOXES.

REFERENCE DRAWINGS

DWG NO.	TITLE
PRPA-WR-AS-1201	ALIGNMENT SHEET - STA. 0+00 TO 14+78

REVISIONS

REV	DESCRIPTION	BY	DATE	CHK BY	CHK DATE	APR BY	APR DATE
3	ISSUED FOR BID - ADDENDUM #3 - MODIFIED PIPELINE ALIGNMENT	IEA	02/07/23	TSS	02/07/23		
2	ISSUED FOR BID - ADDENDUM #2 - MODIFIED PIPELINE ALIGNMENT	PJB	11/29/22	TSS	11/29/22		
1	ISSUED FOR BID - ADDENDUM #1	PJB	08/18/22	TSS	08/18/22		
0	ISSUED FOR BID	PJB	07/30/22	TSS	07/30/22		



Platte River Power Authority

CR 70 & CR9 ROADWAY EXPANSION
PRPA 24" WATER PIPELINE RELOCATE
ALIGNMENT SHEET
CASING BORE DETAIL

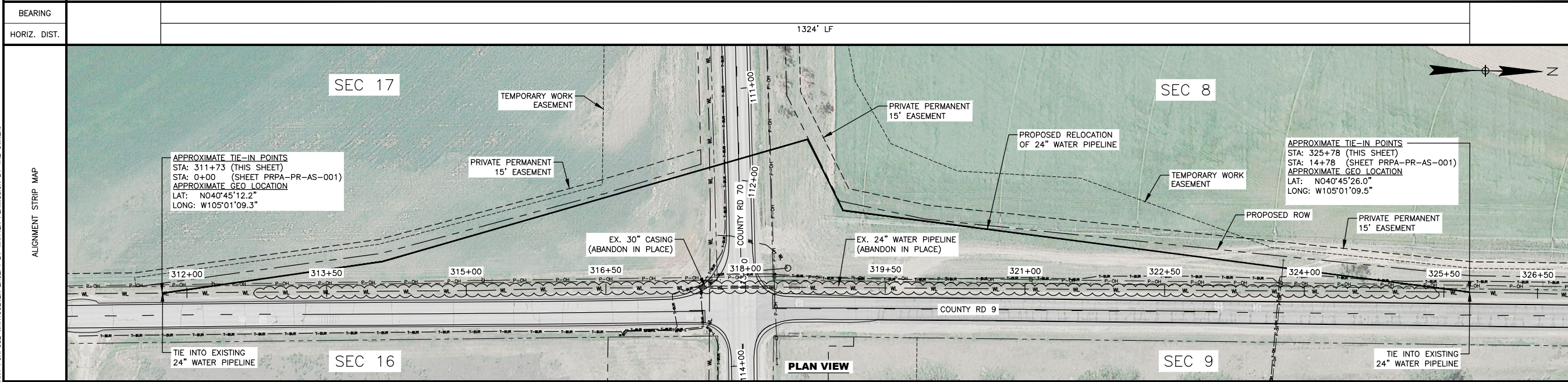
SCALE:	DRAWING NO.	REV.
AS NOTED	PRPA-WR-AS-1202	3

PLOT STYLE: PSI-PIPING.ctb
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OWNERS	LARIMAR COUNTY		
PIPELINE STATIONS AT ALIGNMENT CL	311+73 = TIE-IN POINT	317+50 = START EX. CASING 317+61 = EX. WATER LINE	325+78 = TIE-IN POINT
BEARING			
HORIZ. DIST.	1324' LF		

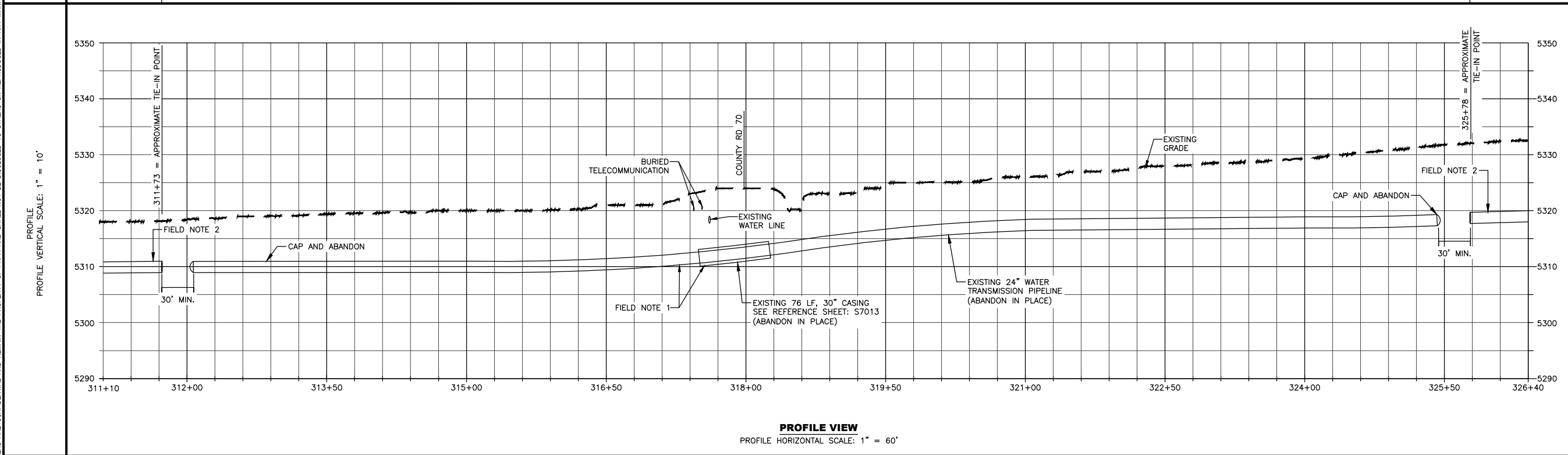
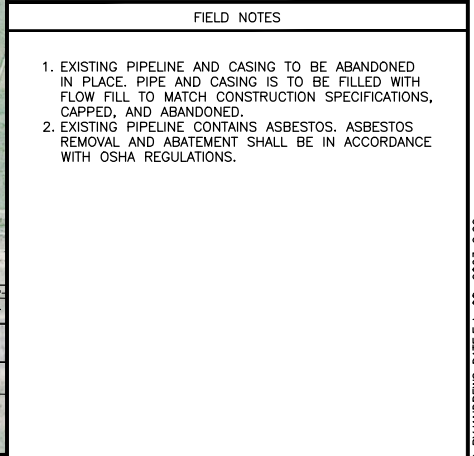
BILL OF MATERIALS			
SERVICE EX. WATER (ABANDON)	PIPE QUANTITIES - THIS DRAWING	WT GR	LF
	25.375"	0.250" X-42	1405'
EX. CASING (ABANDON)	30.000"	0.375" GR. B	76'
			MFR THOMPSON PIPE & STEEL CO.



FIELD NOTES

- EXISTING PIPELINE AND CASING TO BE ABANDONED IN PLACE. PIPE AND CASING IS TO BE FILLED WITH FLOW FILL TO MATCH CONSTRUCTION SPECIFICATIONS, CAPPED, AND ABANDONED.
- EXISTING PIPELINE CONTAINS ASBESTOS. ASBESTOS REMOVAL AND ABATEMENT SHALL BE IN ACCORDANCE WITH OSHA REGULATIONS.

24" WATER	1405' LF EXISTING 24" WATER PIPELINE (ABANDON IN PLACE)
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LEGEND	
	CL OF PROPOSED PIPELINE
	EXISTING ROW
	PROPOSED ROW
	PERMANENT EASEMENT
	TEMPORARY WORK EASEMENT
	EXISTING WATER LINE
	UNDERGROUND TELEPHONE
	OVERHEAD ELECTRICAL
	EXISTING ROAD
	FENCE

NOTES:

REFERENCE DRAWINGS		REVISIONS							
PRPA-WR-DET-2003	TIE-IN DETAILS								
PRPA-WR-DET-2002	TIE-IN DETAILS								
PRPA-WR-DET-2001	TIE-IN DETAILS								
PRPA-WR-AS-1201	ALIGNMENT SHEET STA: 0+00 TO 14+78	3	ISSUED FOR BID - ADDENDUM #3 - MODIFIED PIPELINE ALIGNMENT	IEA	02/07/23	TSS	02/07/23		
S7022	PRPA RANWHIDE PROJ. - MISCELLANEOUS DETAILS	2	ISSUED FOR BID - ADDENDUM #2 - MODIFIED PIPELINE ALIGNMENT	PJB	11/29/22	TSS	11/29/22		
S7013	PRPA RANWHIDE PROJ. - PLAN & PROFILE STA: 303+00 TO 379+00	1	ISSUED FOR BID - ADDENDUM #1	PJB	08/18/22	TSS	08/18/22		
DWS NO.	TITLE	REV	DESCRIPTION	BY	DATE	CHK BY	CHK DATE	APR BY	APR DATE



Platte River Power Authority

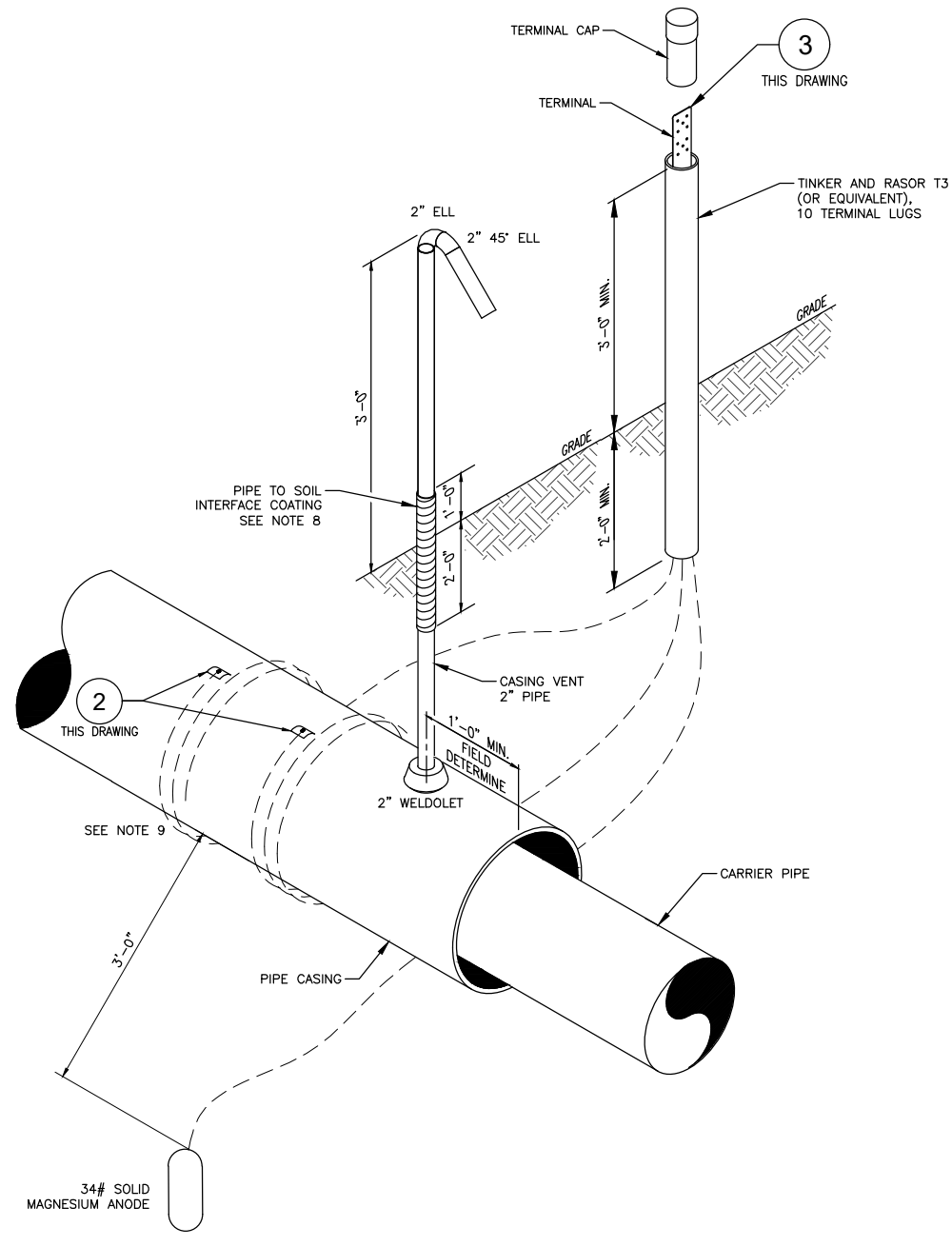
CR 70 & CR 9 ROADWAY EXPANSION
PRPA 24" WATER PIPELINE RELOCATE
ABANDONMENT PLAN

SCALE:	DRAWING NO.	REV.
AS NOTED	PRPA-WR-AP-1301	3

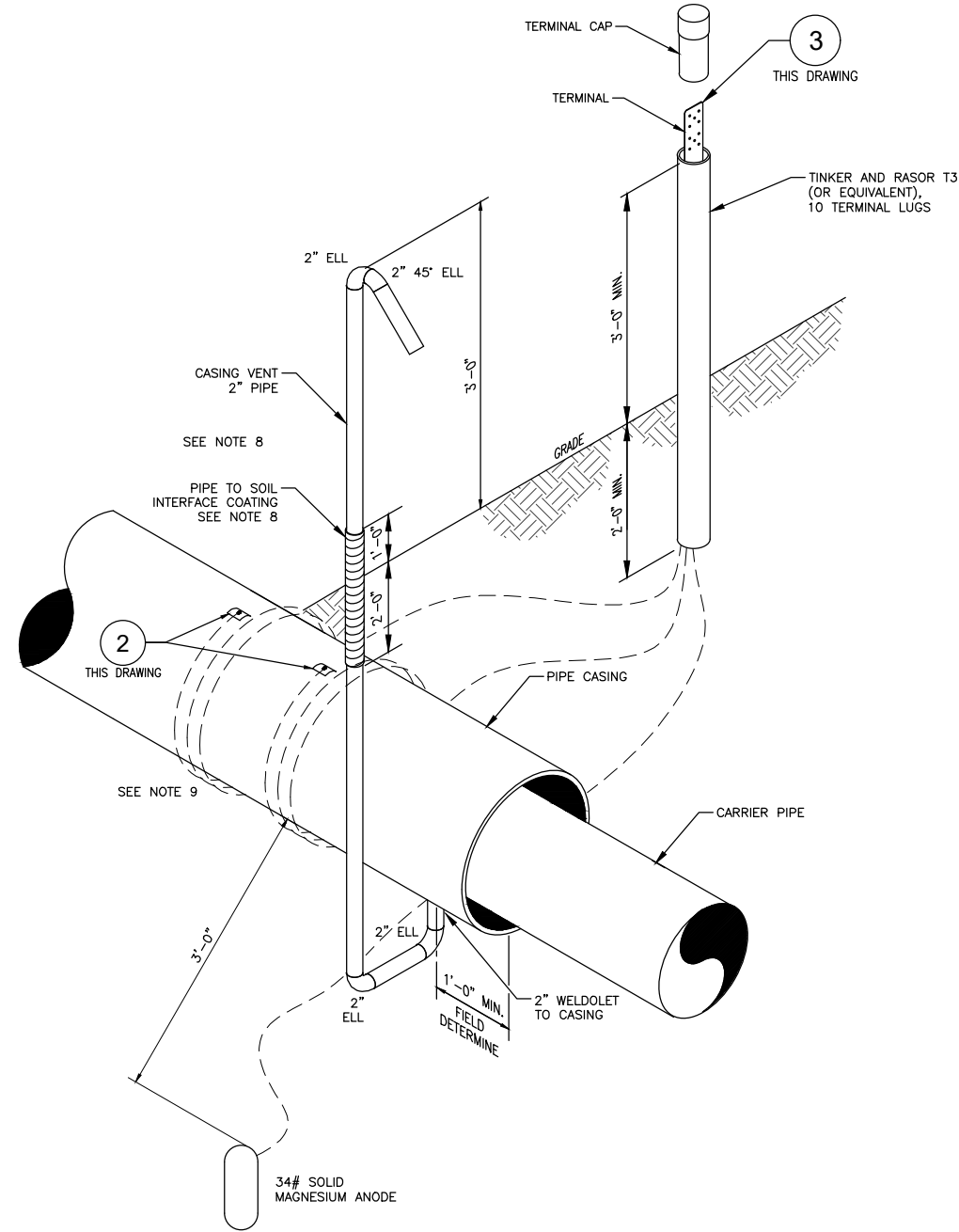
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THIS DRAWING AND THE DESIGN IT COVERS ARE CONFIDENTIAL AND REMAIN THE PROPERTY OF COMPANY'S NAME AND SHALL NOT BE DISCLOSED TO OTHERS OR REPRODUCED IN ANY MANNER OR USED FOR ANY PURPOSE WHATSOEVER EXCEPT BY WRITTEN PERMISSION BY THE OWNER.

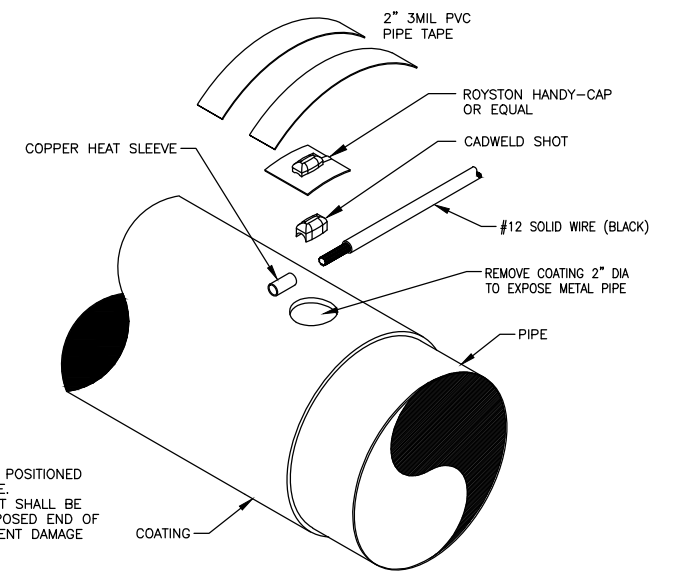
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(HIGH SIDE) CASING TEST POINT & VENT PIPE DETAIL
SCALE: NTS

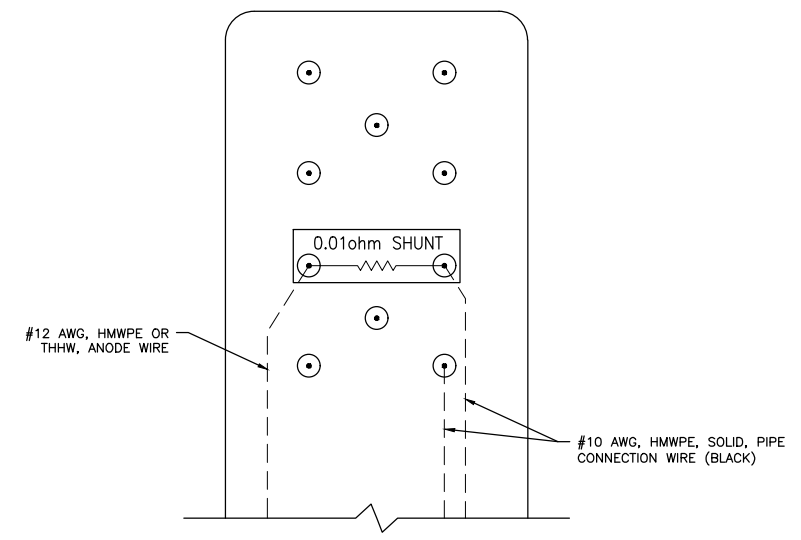


(LOW SIDE) VENT PIPE DETAIL
SCALE: NTS



CADWELD APPLICATION DETAIL
SCALE: NTS
THIS DRAWING (TYPICAL 2 PLACES)
(SEE NOTES 2, 3, & 4)

NOTE:
CADWELDS TO BE POSITIONED AT 12:00 ON PIPE. ATTACHMENT POINT SHALL BE MADE AT THE EXPOSED END OF A JOINT TO PREVENT DAMAGE TO THE COATING.



TERMINAL WIRING DETAIL
SCALE: NTS
(TYPICAL 2 PLACES)

- NOTES:
- ALL WIRES SHALL BE INSULATED COPPER SOLID THW. TYPE.
 - ALL WIRE CONNECTIONS TO CARRIER PIPE AND CASING SHALL BE MADE AS SHOWN IN DETAIL. WIRE SHALL BE CONNECTED TO PIPE BY CADWELD PROCESS WITH COPPER HEAT SLEEVE.
 - CADWELD WIRE CONNECTIONS SHALL BE PRIMED WITH ROYSTON SPRAY PRIMER OR EQUAL AND ALLOWED TO DRY 3 TO 4 MINUTES OR UNTIL TACKY, AND COVERED WITH ROYSTON HANDY-CAP OR EQUAL.
 - USE 2", 3 MIL PVC PIPE TAPE TO SECURE HANDY-CAP TO PIPELINE.
 - WIRE INSULATION SHALL BE PROTECTED FROM DAMAGE.
 - LAY WIRE ALONGSIDE PIPE, DO NOT LAY WIRE ABOVE OR BELOW PIPE.
 - USE VISOTAQ OR EQUAL COATING ON PIPE TO SOIL INTERFACE.
 - APPLY COATING A MINIMUM OF 12" ABOVE GRADE AND 24" BELOW GRADE.
 - LEAD SHALL MAKE AT LEAST (2) COMPLETE LOOPS OF PIPE.

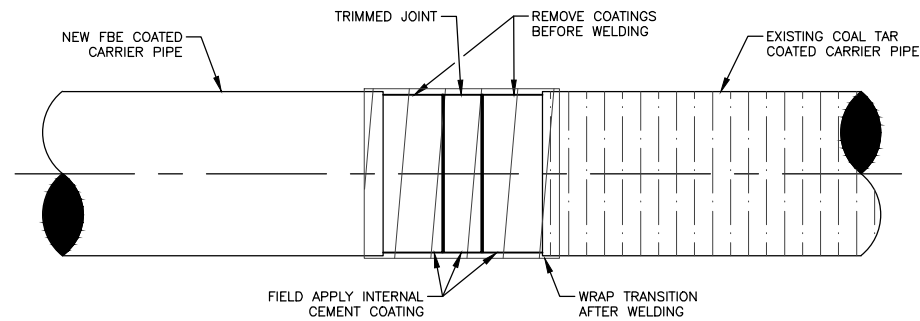
REFERENCE DRAWINGS		REVISIONS							
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PRPA-WR-AM-1001	AREA MAP	2	ISSUED FOR BID - ADDENDUM #2 - MODIFIED PIPELINE ALIGNMENT	PJB	11/29/22	TSS	11/29/22		
PRPA-WR-DET-2002	TIE-IN DETAILS	1	ISSUED FOR BID - ADDENDUM #1	PJB	08/18/22	TSS	08/18/22		
3-8026-C	COAL TAR ENAMEL COAT & WRAP	1	ISSUED FOR BID	PJB	07/30/22	TSS	07/30/22		



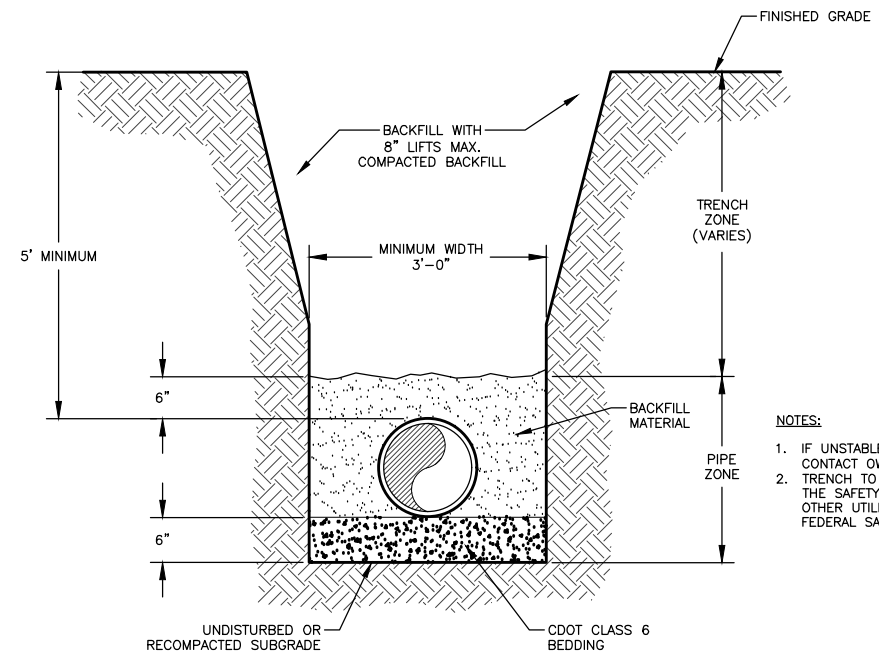
Platte River Power Authority

CR 70 & CR 9 ROADWAY EXPANSION
PRPA 24" WATER PIPELINE RELOCATE
TIE-IN DETAILS

SCALE: AS NOTED DRAWING NO. PRPA-WR-DET-2001 REV. 2

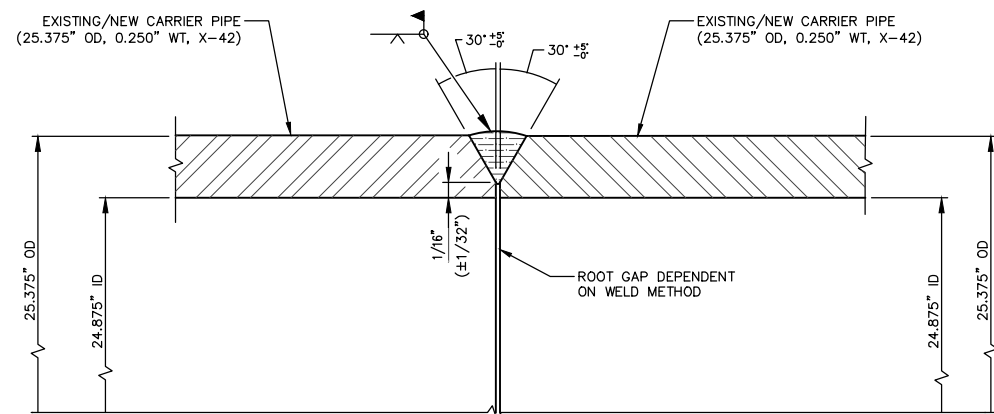


TIE-IN JOINT DETAIL
 SCALE: NTS
 SEE DWG. PRPA-WR-AM-1001
 (TYPICAL 2 PLACES)

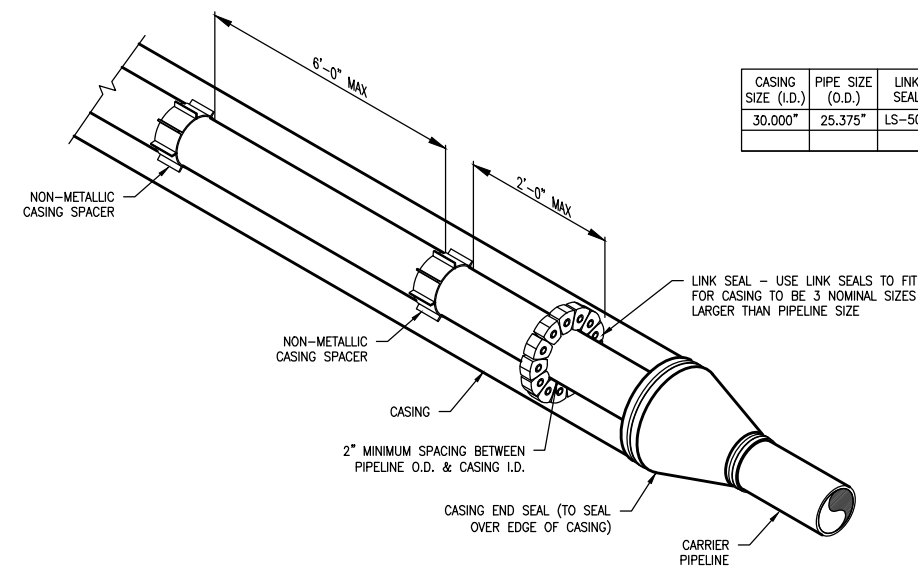


- NOTES:**
1. IF UNSTABLE MATERIALS ARE FOUND IN TRENCH BOTTOM, CONTACT OWNER'S ENGINEER.
 2. TRENCH TO BE BRACED OR SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKERS AND THE PROTECTION OF OTHER UTILITIES IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.

TYPICAL TRENCH SECTION
 SCALE: NTS



TYPICAL PIPE WELD DETAIL
 SCALE: NTS



CASING SIZE (I.D.)	PIPE SIZE (O.D.)	LINK SEAL	SPACER MODEL	END SEAL MODEL
30.000"	25.375"	LS-500	RANGER II	C

CASING SPACERS & LINK SEAL DETAIL
 SCALE: NTS

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NOTES:

REFERENCE DRAWINGS		REVISIONS							
DWG NO.	TITLE	REV	DESCRIPTION	BY	DATE	CHK BY	CHK DATE	APR BY	APR DATE
PRPA-WR-AM-1201	ALIGNMENT SHEET - STA. 0+00 TO 14+73	△							
PRPA-WR-AM-1001	AREA MAP	△							
PRPA-WR-DET-2003	TIE-IN DETAILS	2	ISSUED FOR BID - ADDENDUM #2 - MODIFIED PIPELINE ALIGNMENT	PJB	11/29/22	TSS	11/29/22		
PRPA-WR-DET-2001	TIE-IN DETAILS	△	ISSUED FOR BID - ADDENDUM #1	PJB	08/18/22	TSS	08/18/22		
3-8026-C	COAL TAR ENAMEL COAT & WRAP	△	ISSUED FOR BID	PJB	07/30/22	TSS	07/30/22		



Platte River
 Power Authority

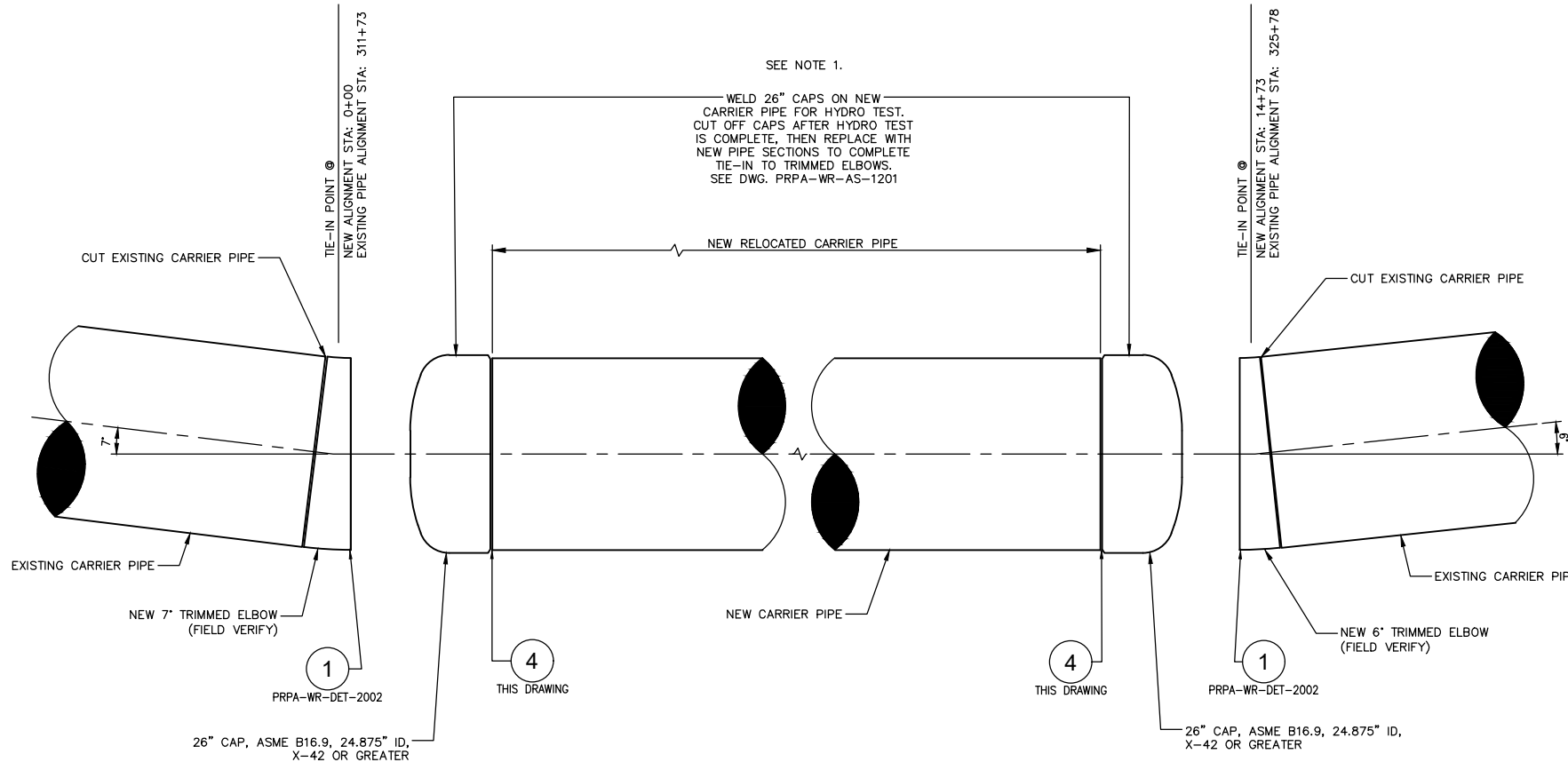
CR 70 & CR 9 ROADWAY EXPANSION
 PRPA 24" WATER PIPELINE RELOCATE
 TIE-IN DETAILS

SCALE:	DRAWING NO.	REV.
AS NOTED	PRPA-WR-DET-2002	2

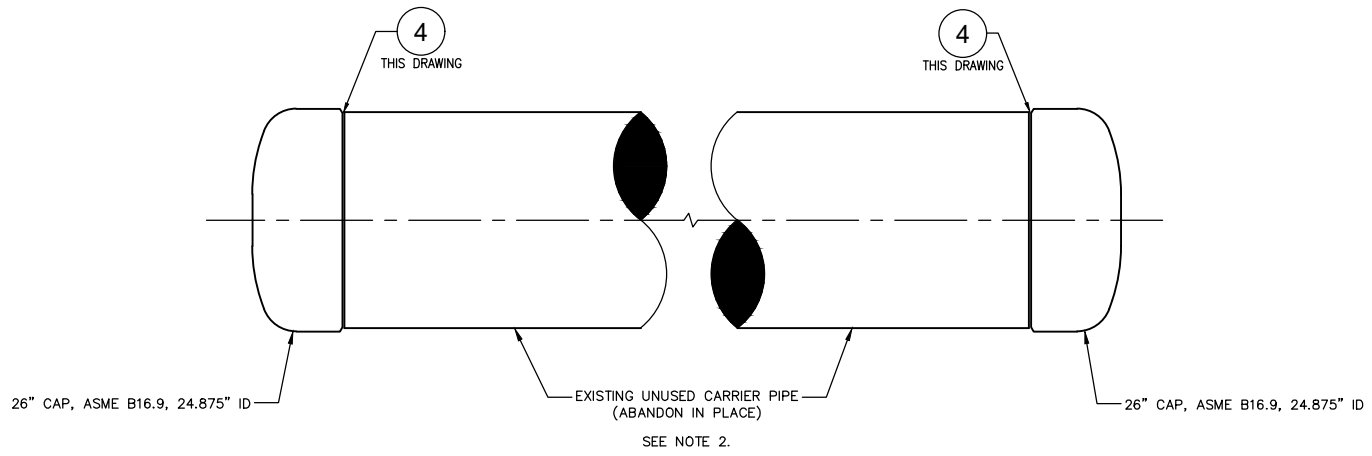
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THIS DRAWING AND THE DESIGN IT COVERS ARE CONFIDENTIAL AND REMAIN THE PROPERTY OF COMPANY'S NAME AND SHALL NOT BE DISCLOSED TO OTHERS OR REPRODUCED IN ANY MANNER OR USED FOR ANY PURPOSE WHATSOEVER EXCEPT BY WRITTEN PERMISSION BY THE OWNER.

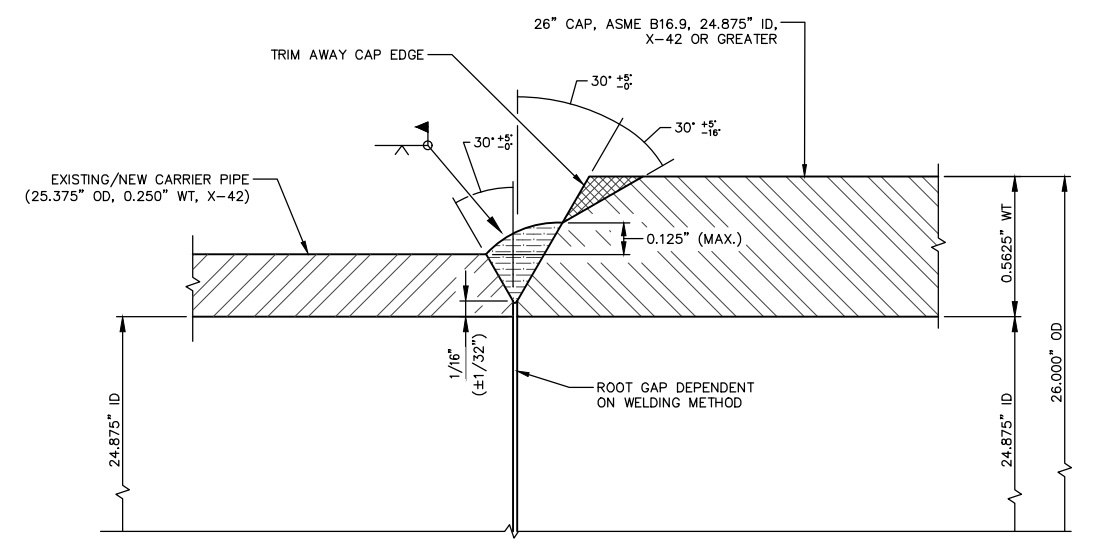
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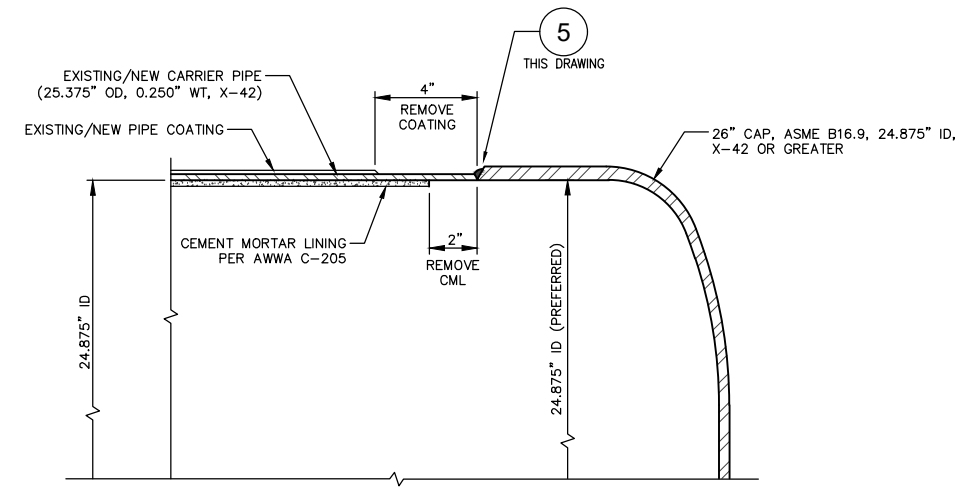
HYDROTEST DETAIL AT STA: 0+00 & 14+73
 SCALE: NTS
 SEE DWG. PRPA-WR-AS-1201



ABANDON PIPELINE DETAIL AT STA: 312+54 & 325+78
 SCALE: NTS
 SEE DWG. PRPA-WR-AP-1301



CAP WELD DETAIL
 SCALE: NTS
 THIS DRAWING



FIELD WELD CAP DETAIL
 SCALE: NTS
 THIS DRAWING
 (TYPICAL 4 PLACES)

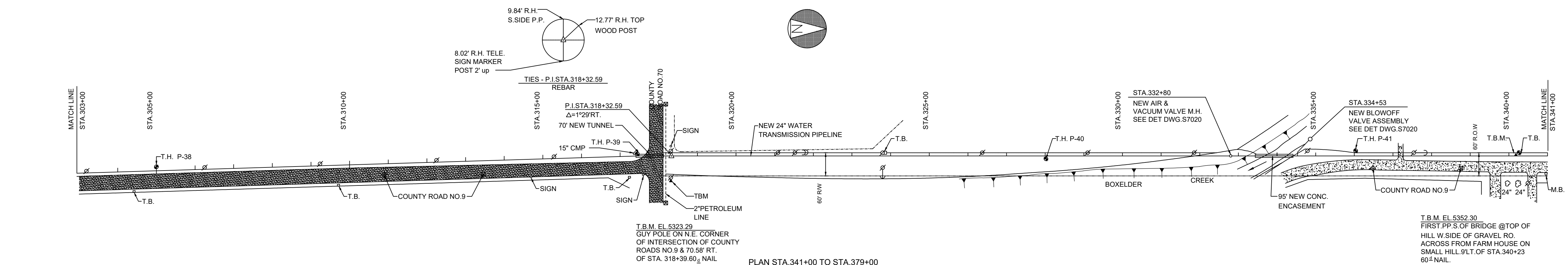
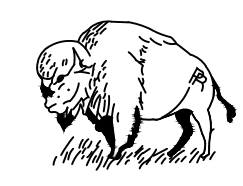
- NOTES:
- AFTER HYDRO TEST, CUT CAPS OFF AND REPLACE WITH PIPE SECTIONS, THEN USE NON-DESTRUCTIVE TESTS ON WELDS.
 - INSTALL CAPS AND ABANDON UNUSED PIPELINE SECTION AFTER FILLING WITH FLOW FILL PER SPECIFICATIONS.

REFERENCE DRAWINGS		REVISIONS					
DWG NO.	TITLE	REV	DESCRIPTION	BY	DATE	CHK BY	CHK DATE
PRPA-WR-DET-2002	TIE-IN DETAIL						
PRPA-WR-DET-2001	TIE-IN DETAIL						
PRPA-WR-AP-1301	ABANDONMENT PLAN						
PRPA-WR-AS-1201	ALIGNMENT SHEETS - STA: 0+00 TO 14+73						
		1	ISSUED FOR BID - ADDENDUM #2 - MODIFIED PIPELINE ALIGNMENT	PJB	11/29/22	TSS	11/29/22
		2	ISSUED FOR BID - ADDENDUM #1	PJB	08/18/22	TSS	08/18/22
		3	ISSUED FOR BID	PJB	07/30/22	TSS	07/30/22

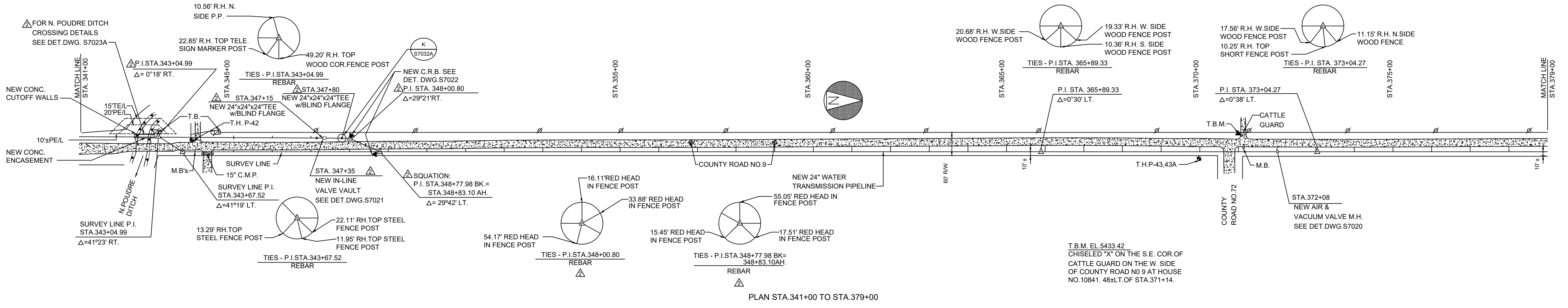


CR 70 & CR 9 ROADWAY EXPANSION
 PRPA 24" WATER PIPELINE RELOCATE
 TIE-IN DETAILS

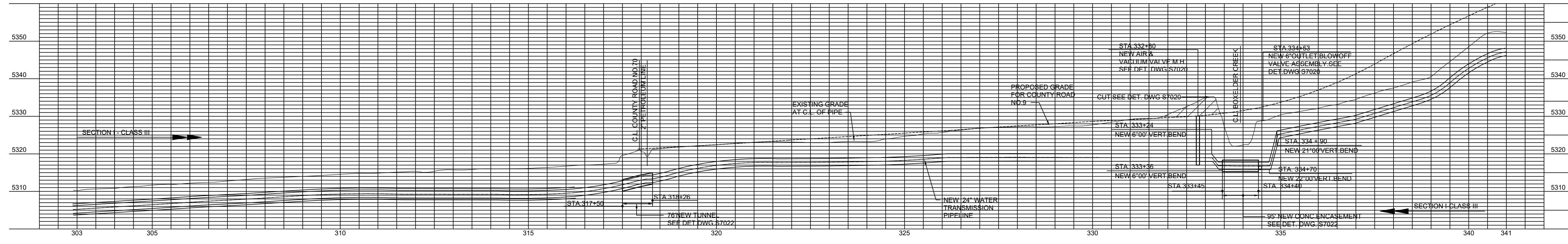
SCALE: AS NOTED	DRAWING NO. PRPA-WR-DET-2003	REV. 2
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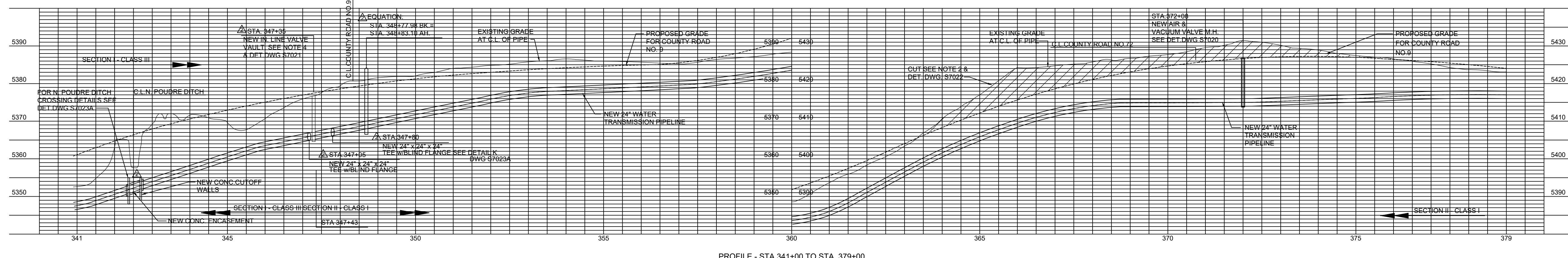
PLAN STA. 341+00 TO STA. 379+00



PLAN STA. 341+00 TO STA. 379+00



PROFILE - STA. 303+00 TO STA. 341+00



PROFILE - STA 341+00 TO STA. 379+00

NO.	DATE	DES.	RVD.	APP.	REASON
07					
06					
05					
04					
REVISION					

NO.	DATE	DES.	RVD.	APP.	REASON
03					
02					
01					
00	4-5-21	BDS			NEW PRPA VERSION
REVISION					

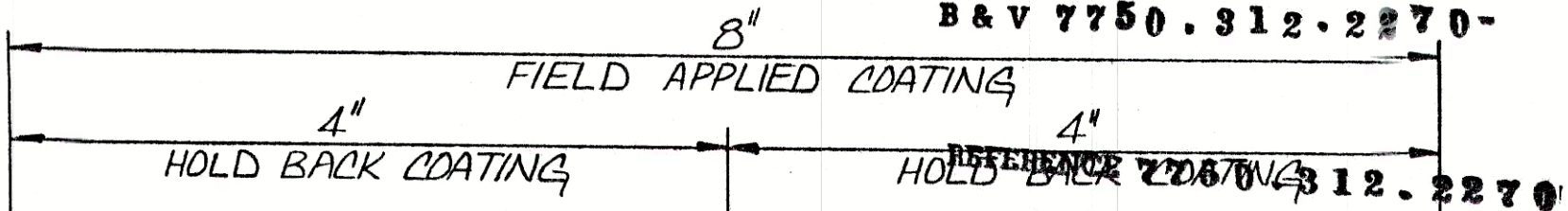
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NOTES:

TITLE: OFFSITE WATER SUPPLY SYSTEM
OFFSITE WATER TRANSMISSION
PLAN & PROFILE STA. 303+00 TO 379+00

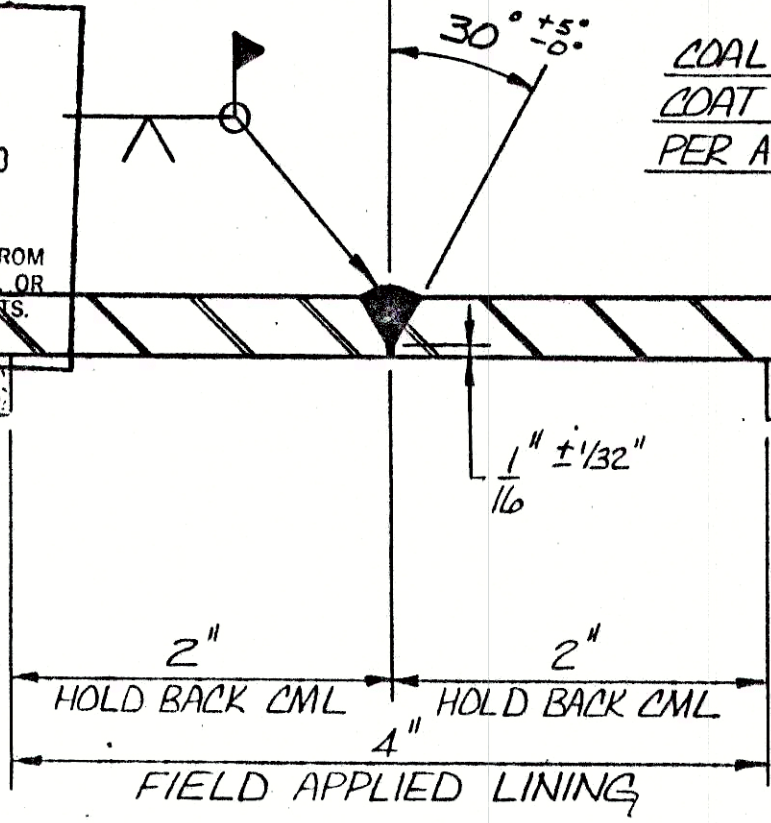
PLATTE RIVER POWER AUTHORITY
RAWHIDE ENERGY STATION

CLASSIFICATION S7000	UNIT UNIT 1	SYSTEM CODE WSC	APPROVAL	DATE
DESIGN BY SILVER	DATE 4-5-21	CUST. ORDER NO.	SHEET 1 OF 1	
SIZE E	SCALE N/A	DRAWING NUMBER 1WSC-S7013	REVISION 00	



NO EXCEPTIONS NOTED DTE
 EXCEPTIONS NOTED
 RETURNED FOR CORRECTION
 RECORD COPY
 FEB 20 1980
 REVIEW DOES NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS, OMISSIONS, OR DEVIATIONS FROM CONTRACT REQUIREMENTS.
 BLACK & VEATCH

COAL TAR ENAMEL
 COAT AND WRAP
 PER AWWA C-203



CEMENT MORTAR LINING
 PER AWWA C-205

MECH FILE COPY

26" O.D. X 1/4" 3/8" ± 1/2" WALL PIPE
 25 3/8" O.D. X 1/4" 1" WALL PIPE

TYP. FIELD WELD DETAIL

BLACK & VEATCH
 OFFICE COPY
 DATE _____

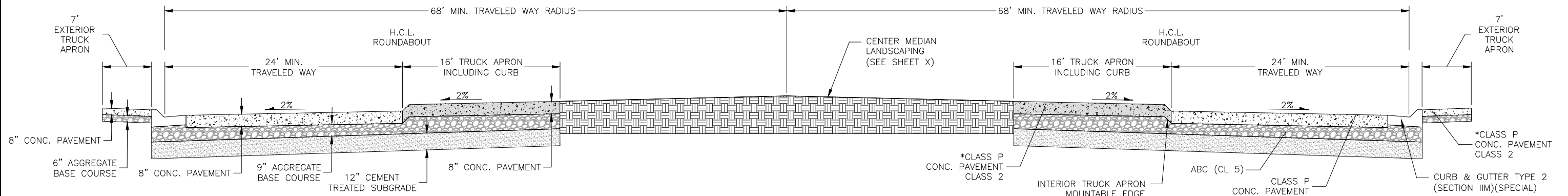
THOMPSON PIPE AND STEEL CO.
 POST OFFICE BOX 2852 • DENVER, COLORADO 80201
 TITLE PLATTE RIVER POWER AUTHORITY
 RAWHIDE PROJECT UNIT #1 - SPEC. 7750.312.2270
 WATER SUPPLY PIPE SEC I - CLASS I, II & III

INTERIOR: CEMENT MORTAR LINING	MK- <u>+</u>	<u>+</u> -REQ'D	DRAWN <u>JRS</u>	DATE <u>10-8-79</u>
EXTERIOR: COAL TAR ENAMEL COAT & WRAP	F.O. NO.	REF. DWG. <u>+</u>	CHK'D <u>JRS</u>	DWG. NO.
	PRI. NO. <u>+</u>	SCALE <u>NONE</u>	APPR. <u>[Signature]</u>	<u>3-8026-C</u>

TYPICAL SECTION

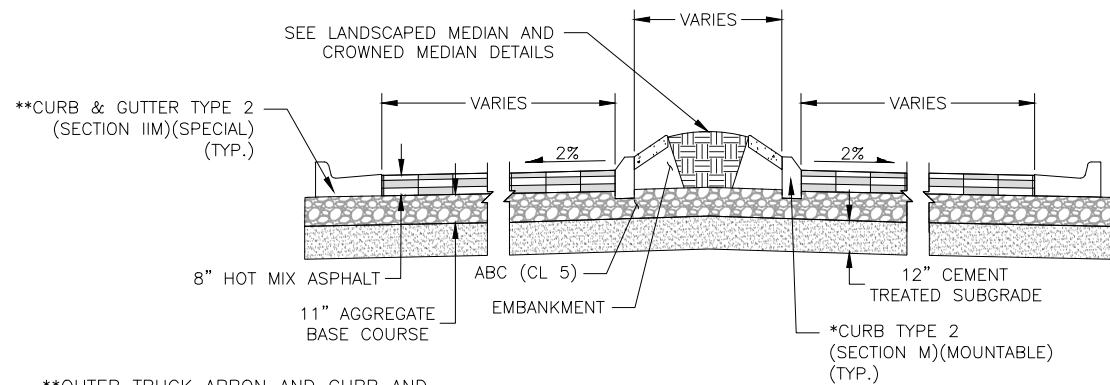
ROUNDABOUT
 CR 70 (OWL CANYON RD) - STA 111+93.63 TO 113+23.63
 CR 9 - STA 207+41.18 TO 208+71.18
 N.T.S.

*HEAVY BROOM FINISH
 (DAVIS COLOR 5447-MESA BLUFF)



TYPICAL SECTION

SPLITTER MEDIAN
 CR 70 (OWL CANYON RD) - STA 108.94.90 TO 111+91.16 & 113+26.05 TO 115+95.58
 CR 9 - STA 204+39.58 TO 207+38.75 & 208+73.81 TO 211+70.56
 N.T.S.

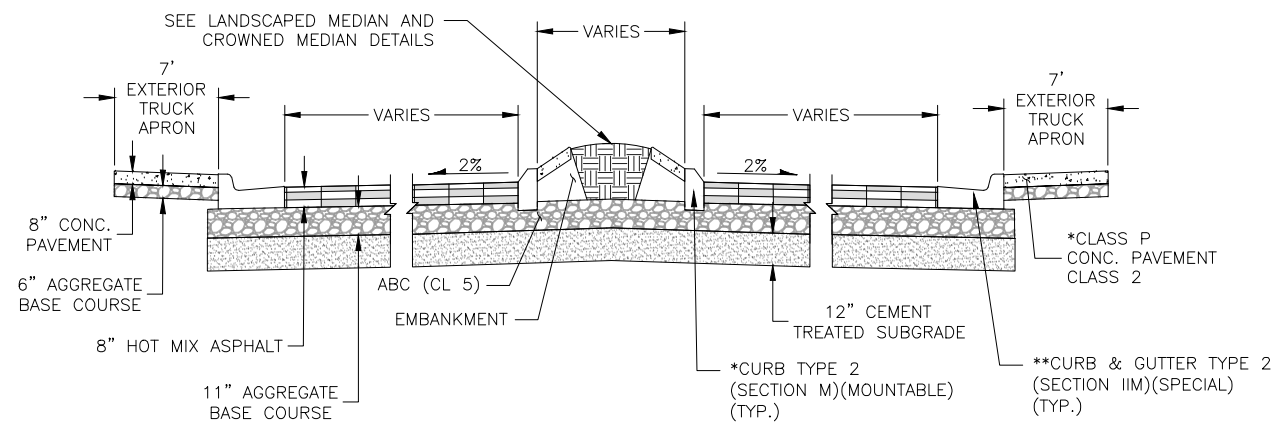


**CURB & GUTTER TYPE 2 (SECTION IIM)(SPECIAL) (TYP.)

**OUTER TRUCK APRON AND GUTTER LIMITS VARY ON BOTH SIDES OF SPLITTER MEDIANS. REFER TO INTERSECTION PLANS FOR MORE DETAIL.

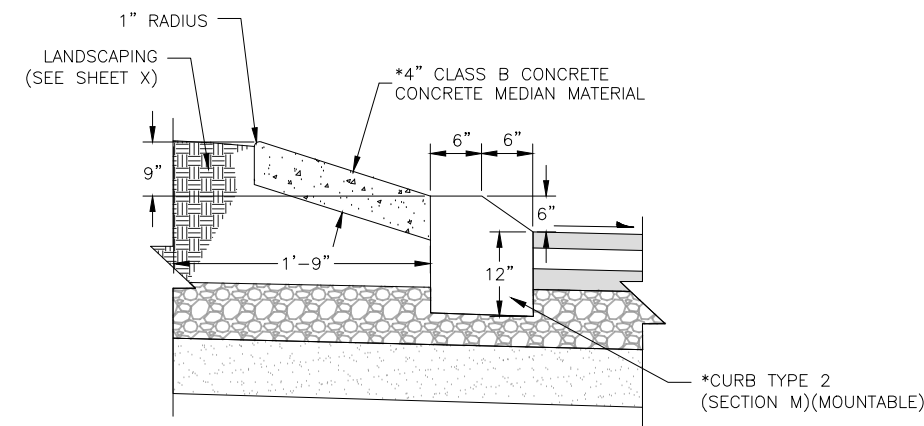
TYPICAL SECTION

SPLITTER MEDIAN WITH OUTER TRUCK APRON
 CR 70 (OWL CANYON RD) - STA 111+12.35 TO 111+95.63 & 113+21.63 TO 114+48.42
 CR 9 - STA 206+48.61 TO 207+43.18 & 208+51.84 TO 209+03.49
 N.T.S.



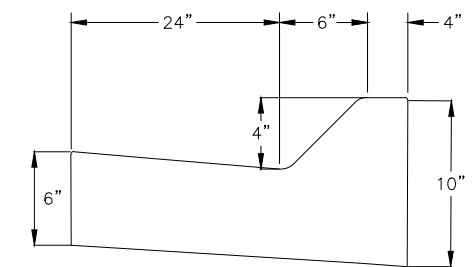
LANDSCAPED MEDIAN DETAIL

CR 70 (OWL CANYON RD) - STA 111+73.49 TO 111+95.63 & 113+21.63 TO 113+47.03
 CR 9 - STA 207+18.60 TO 207+43.18 & 208+69.18 TO 208+99.75
 N.T.S.



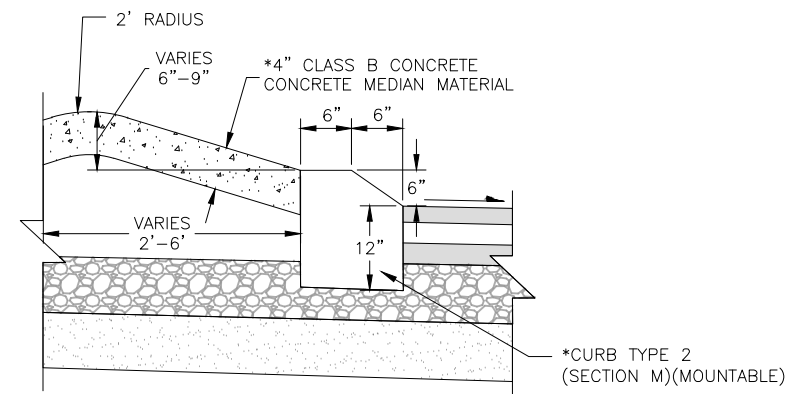
CURB AND GUTTER TYPE 2 (SECTION IIM)(SPECIAL)

N.T.S.



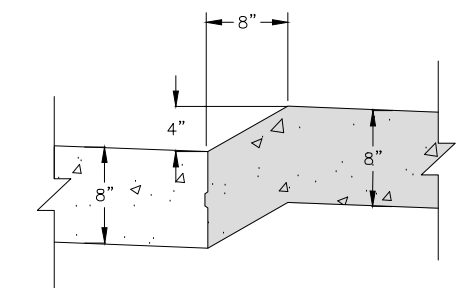
CROWNED MEDIAN DETAIL

CR 70 (OWL CANYON RD) - STA 107+69.58 TO 111+73.49 & 113+47.03 TO 118+87.04
 CR 9 - STA 202+82.82 TO 207+18.60 & 208+99.75 TO 213+23.14
 N.T.S.



INTERIOR TRUCK APRON MOUNTABLE EDGE DETAIL

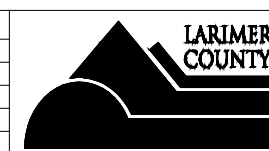
N.T.S.



X:\KO\LA\157176\OWL CANYON DESIGN\DESIGN\DRAWINGS

COMPUTER INFORMATION	
CREATION DATE:	6/16/22
MODIFICATION DATE:	7/20/22
FILE LOCATION:	
FILE NAME:	157176_TYPICAL SECTIONS.DWG

REVISIONS	



ENGINEERING DEPARTMENT
 200 WEST OAK, SUITE 3000
 POST OFFICE BOX 1190
 FORT COLLINS, COLORADO 80522-1190
 (970)498-5700
 (970)498-7986 FAX

AS CONSTRUCTED
NO REVISIONS:
REVISED:
VOID:

TYPICAL SECTION		
Designer:	KC	Structure
Detailer:	KAC	Numbers
Sheet Subset:	T-SECTS	Subset Sheets: 3 of 4

PROJECT NO. 339
SHEET NO. 5