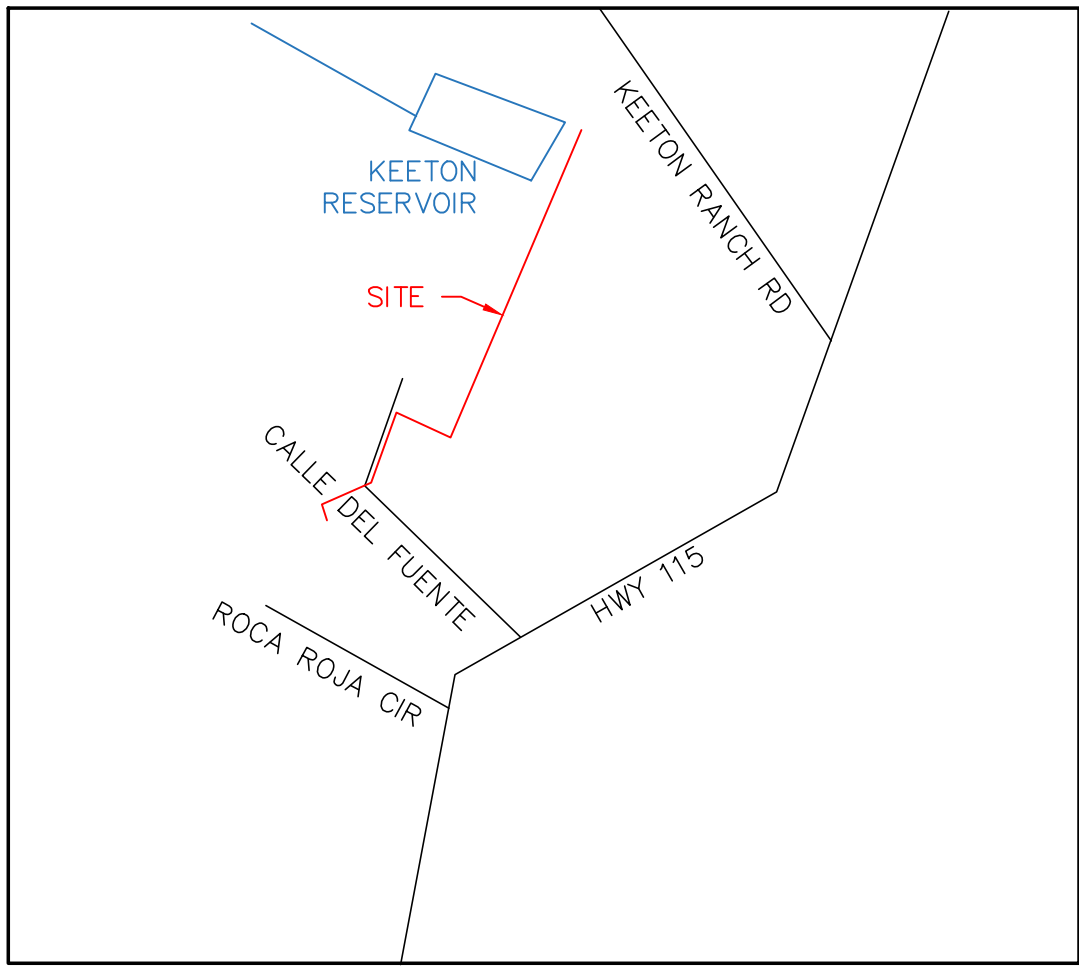




RED ROCK VALLEY ESTATES WATER DISTRICT RAW/POTABLE WATER TRANSMISSION LINES PLANS COLORADO SPRINGS

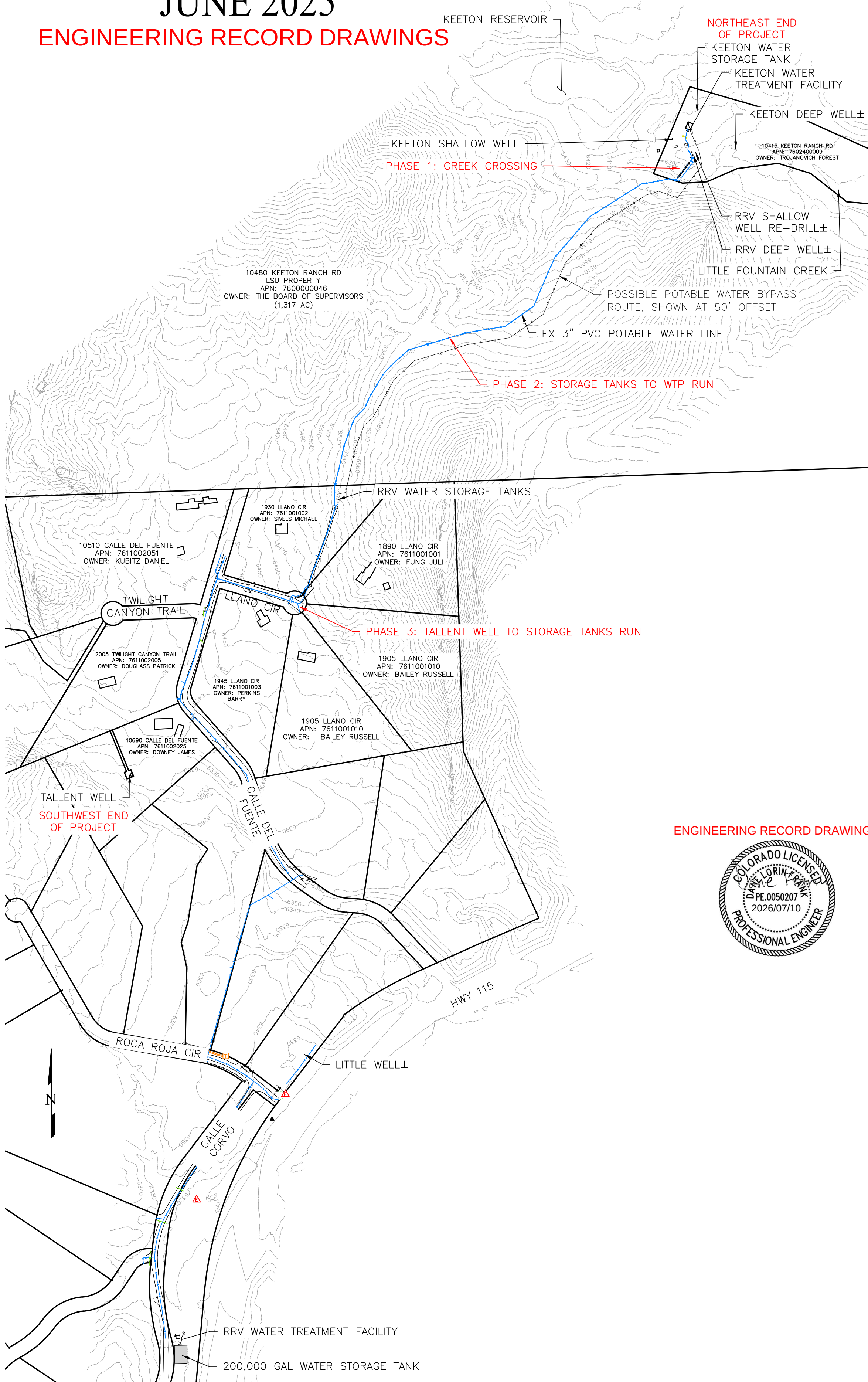
JUNE 2025

ENGINEERING RECORD DRAWINGS



VICINITY MAP
N.T.S.

REVISIONS NOTES
1. REVISED PER COUNTY COMMENTS ON ROW WORK.



ENGINEERING RECORD DRAWINGS



APPROVALS

DESIGN ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.



Dane Frank
2025/06/06
DANE FRANK, COLORADO P.E. #50207 DATE
PREPARED ON BEHALF OF TERRA NOVA ENGINEERING, INC.

OWNER/DEVELOPER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.
REGINALD D. WESLEY Digitally signed by REGINALD D. WESLEY
Date: 2025.06.06 13:43:20 -06'00'

REGGIE WESLEY, BOARD MEMBER
RED ROCK VALLEY ESTATES WATER DISTRICT
15580 CALA ROJO DRIVE, COLORADO SPRINGS, CO 80926

EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

Gilbert LaForce, P.E.
JOSHUA PALMER, P.E.
COUNTY ENGINEER / ECM ADMINISTRATOR
DATE: 2025.06.11 09:23:52 -06'00'
DATE: 6/11/2025

SHEET INDEX

- 1 COVER SHEET
- 2 NOTES SHEET
- 3 WATER OVERVIEW
- 4 WATER PLAN - CREEK CROSSING PLAN AND PROFILE SHEET
- 5 WATER PLAN - CREEK CROSSING DETAILS SHEET
- 6 WATER PLAN - TANKS TO WTP RUN
- 7 WATER PLAN - TANKS TO WTP RUN
- 8 PROFILE - TANKS TO WTP RUN
- 9 WATER PLAN - TALLENT WELL TO TANKS RUN
- 10 PROFILE - TALLENT WELL TO TANKS RUN
- 11 STANDARD DETAILS SHEET
- 12 STANDARD DETAILS SHEET
- 13 STANDARD DETAILS SHEET

CONTACTS

OWNER/DEVELOPER: RED ROCK VALLEY ESTATES WATER DISTRICT (RRVWD)
15580 CALA ROJO DRIVE
COLORADO SPRINGS, CO 80926
STEVE SOVAIKO 719.359.6663
RRVWATER@GMAIL.COM

CIVIL ENGINEER: TERRA NOVA ENGINEERING
721 S. 23RD ST.
COLORADO SPRINGS, COLORADO 80904
DANE FRANK, PE 719.635.6422
DANE@TNESINC.COM

SURVEYOR: COMPASS SURVEYING & MAPPING
3253 WEST CAREFREE CIR
COLORADO SPRINGS, COLORADO 80917
MARK JOHANNES, PLS 719.3544120
MARK@CSAMLLC.COM

CONTRACTOR: FRONT RANGE EARTHWORKS
317 SHERRI DRIVE
COLORADO SPRINGS, CO 80911
KENNY WILLIS 719.640.4238
FRONT RANGE EARTHWORKS@GMAIL.COM

SITE ADDRESS

NE END OF SITE: KEETON WATER TREATMENT FACILITY, OFF KEETON RANCH ROAD
SOUTH END OF SITE: TALLENT WELL, OFF CALLE DEL FUENTE
MAP SEARCH ADDRESS: CALLE DEL FUENTE, COLORADO SPRINGS, COLORADO 80926

BENCH MARK

NATIONAL GEODETIC SURVEY, R 110 RESET, JK0288, NAD 83 AND NAVD 88, ELEV=6478.1 FT, IN THE TOP OF A SANDSTONE OUTCROP WITH A STANDARD DISK STAMPED R 110 1935.

REVISIONS	NO.	DESCRIPTION	DATE
	1.	COUNTY ROW COMMENTS	05/27/25

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE EL PASO COUNTY ENGINEER, TERRA NOVA ENGINEERING, INC. APPROVES THEIR USE ONLY FOR THE PROJECT AND FOR THE PURPOSES AUTHORIZED BY WRITTEN AUTHORIZATION.

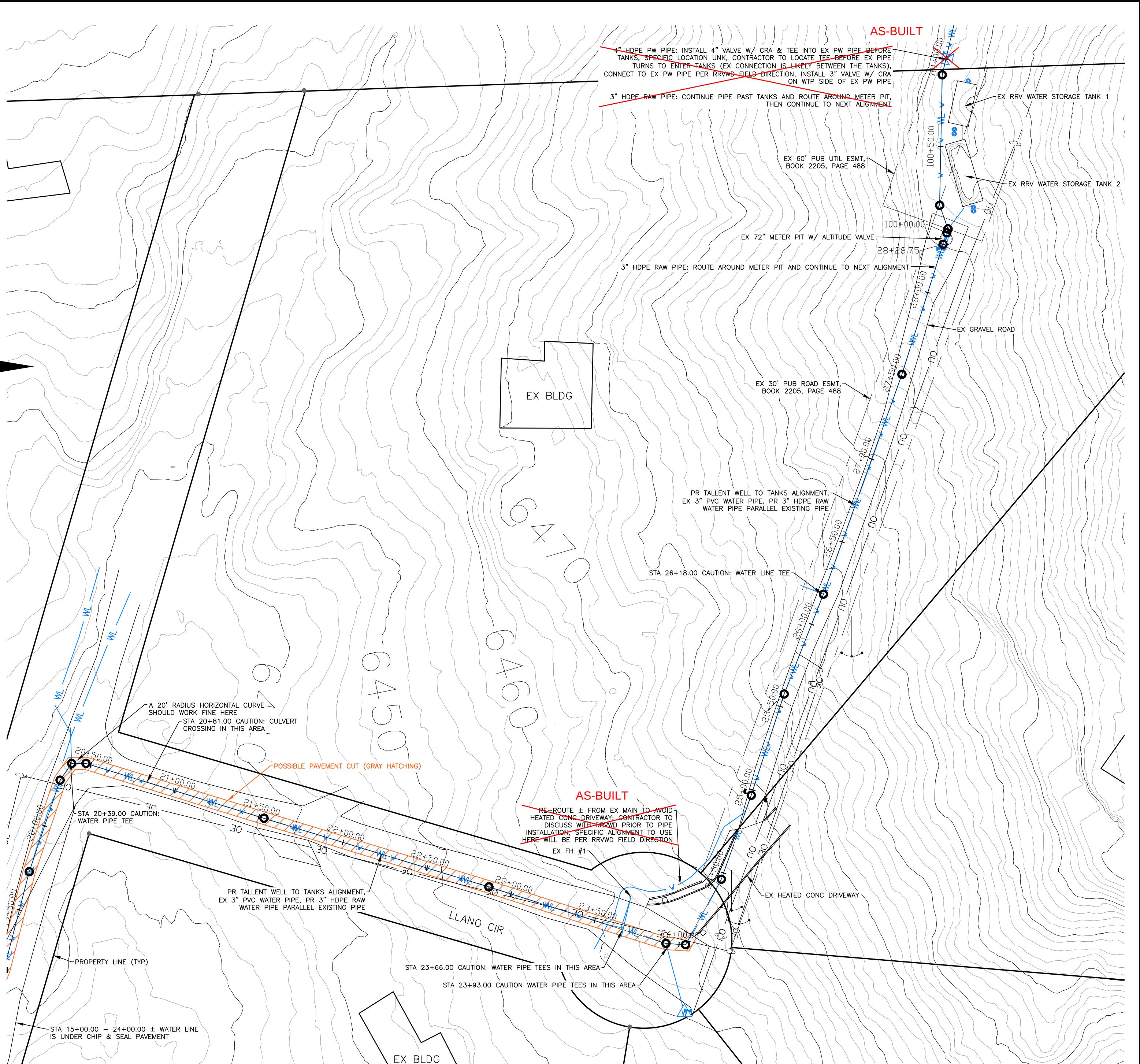
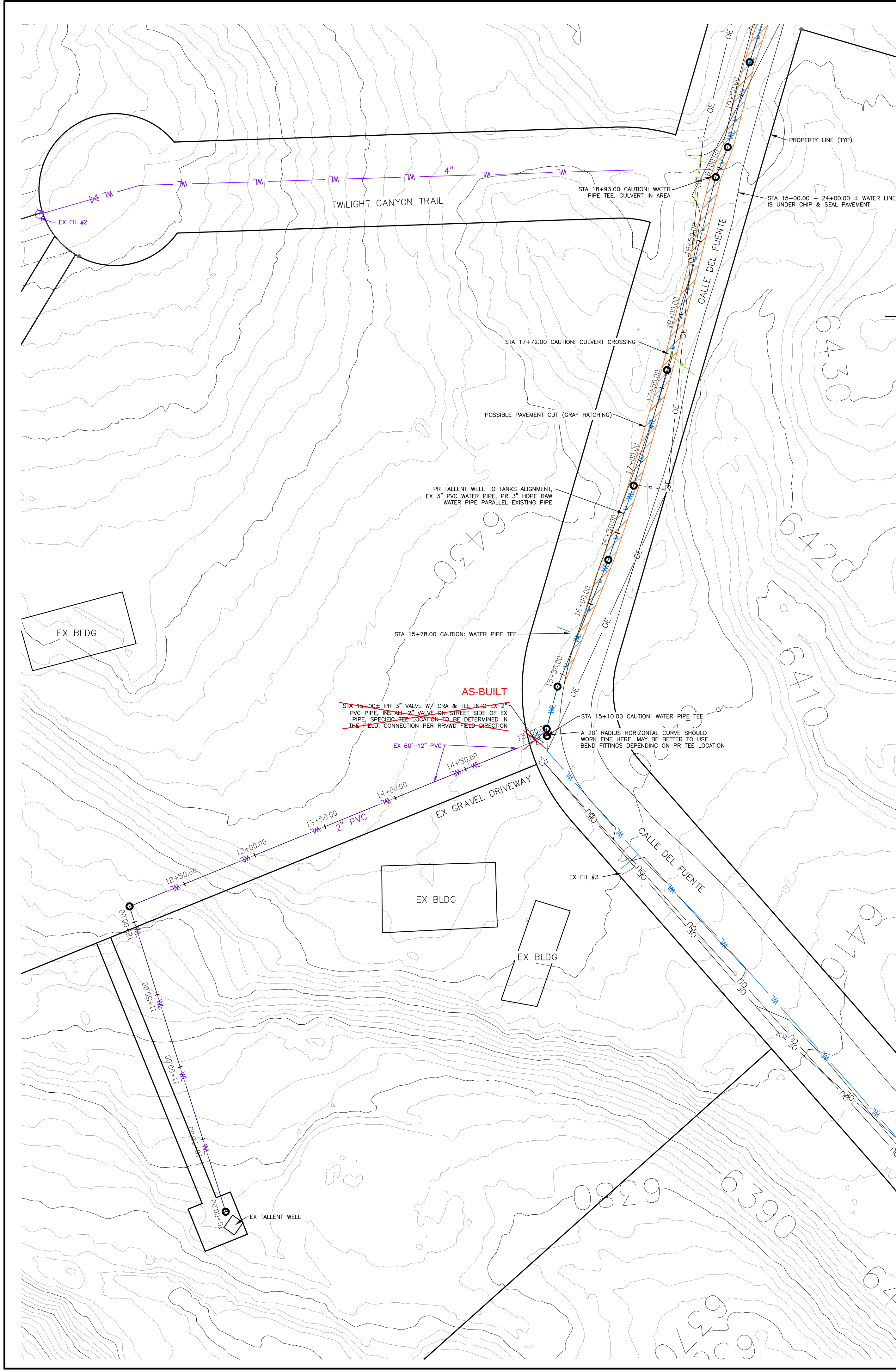
PREPARED FOR:
RRVE WATER DISTRICT
ATTN: STEVE SOVAIKO
15580 CALA ROJO DRIVE
COLORADO SPRINGS, CO 80926
719.359.6663

Terra Nova Engineering, Inc.
Creative Civil Engineer Inc.
721 S. 23RD STREET
COLORADO SPRINGS, CO 80904
OFFICE: 719-635-6422
FAX: 719-635-6426
www.tneshinc.com

RED ROCK VALLEY ESTATES WATER DISTRICT
RAW/POTABLE WATER TRANSMISSION LINES PLANS
COVER SHEET
ENGINEERING RECORD DRAWINGS

DESIGNED BY DLF
DRAWN BY DLF
CHECKED BY LD
H-SCALE NA
V-SCALE NA
JOB NO. 2311.00
DATE ISSUED 06/06/25
SHEET NO. 1 OF 13

PCD FILE NO. CDR249

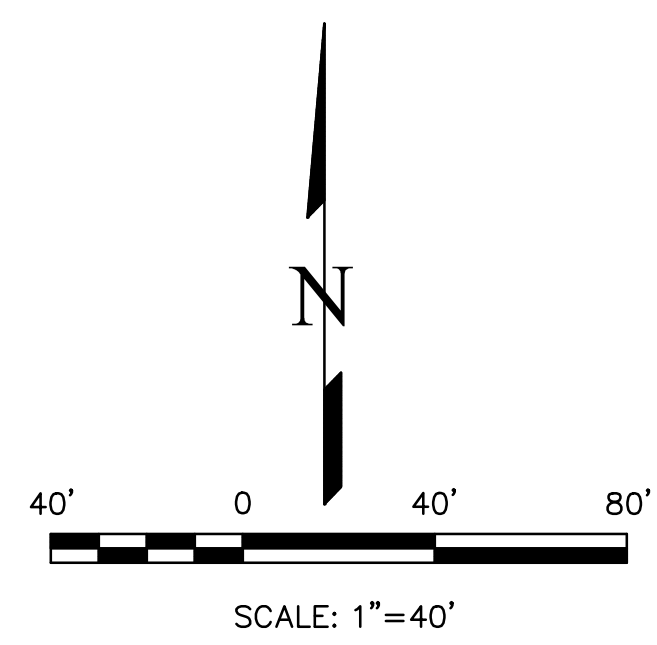


LEGEND

EXISTING CONTOURS - MAJOR	6500
EXISTING PROPERTY LINE	---
EXISTING WATER LINE	WL
PROPOSED WATER LINE	W
SANITARY SEWER LINE	SS
GAS LINE	GAS
UNDERGROUND ELECTRICAL LINE	UE
TELEPHONE LINE	UT
FIBER OPTIC LINE	FO
STORM SEWER LINE	ST
OVERHEAD UTILITY LINE	OU
OVERHEAD ELECTRIC LINE	OE
PROPOSED EXISTING	PR
RAW WATER	EX
POTABLE WATER	RAW
	PW

AS-BUILT NOTE: SEE SHEET 9A FOR AS-BUILT LINEWORK. THE WATER LINE ALIGNMENT AND PAVING AREAS HAVE CHANGED.

ENGINEERING RECORD DRAWINGS



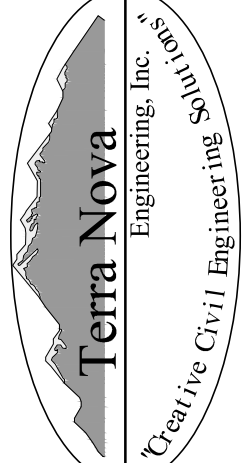
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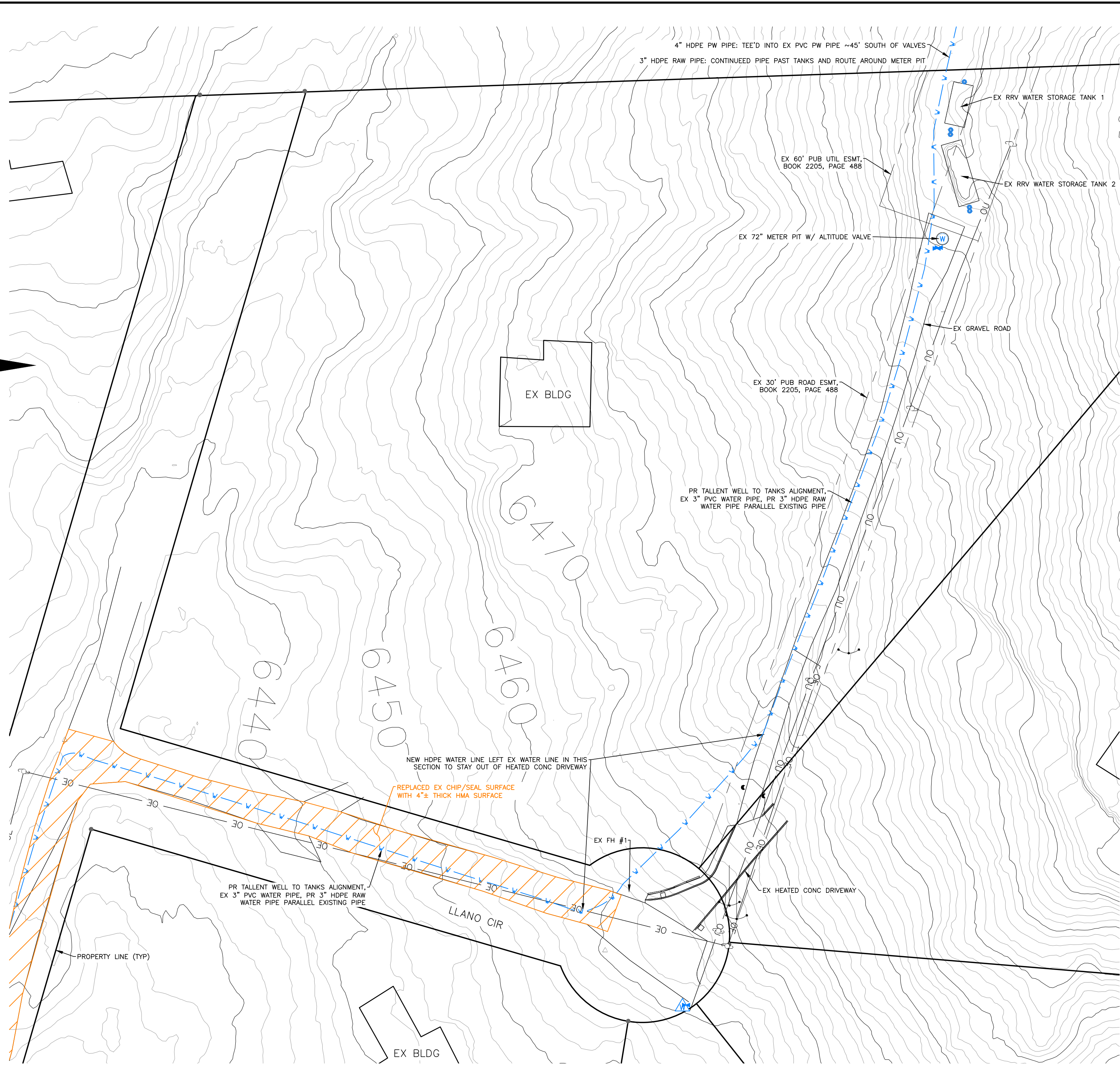
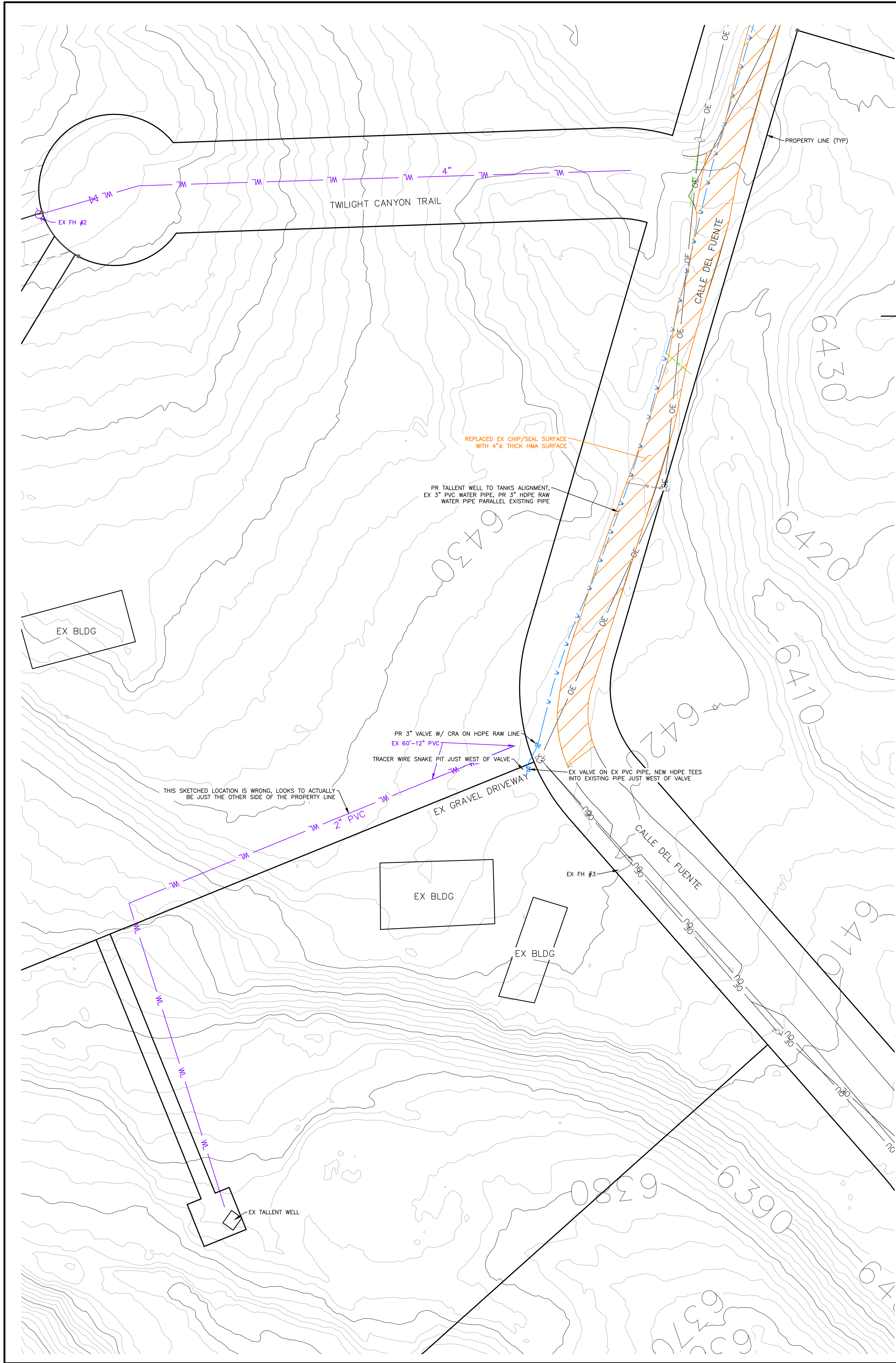
1. PURPLE LINEWORK IS EXISTING WATER LINES THAT HAVE BEEN SKETCHED IN FROM OLD DOCUMENTS. THEIR LOCATIONS ARE APPROXIMATE.
2. MECHANICAL JOINT RESTRAINTS ARE REQUIRED AT ALL BENDS, TEES, AND VALVES 3" DIAMETER AND GREATER.
3. CTRBS SHALL BE CONSTRUCTED AT ALL TEES 3" AND LARGER OPPOSITE THE BRANCH.
4. CTRBS OR RESTRAINED PIPE LENGTHS SHALL BE CONSTRUCTED AT ALL HORIZONTAL BENDS.
5. A CRA IS REQUIRED TO BE SET ON THE UPSTREAM SIDE OF A LINE VALVE WHEN THE VALVE IS STAND ALONE AND DOES NOT HAVE ANOTHER APPURTENANCE TO TIE BACK TO.
6. VERTICAL BENDS SHALL BE RESTRAINED USING CRAS OR RESTRAINED JOINTS.
7. PIPES SLOPED GREATER THAN OR EQUAL TO 10% SHALL BE RESTRAINED THROUGHOUT THE SLOPE WITH A CRA AT BOTH THE TOP AND BOTTOM OF THE SLOPE.

THIS DESIGN WAS PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF TERRA NOVA ENGINEERING, INC.

Dane Frank
DANE FRANK
COLORADO P.E. NO. 50207



REASONS	NO.	DESCRIPTION	DATE
	1.	COUNTY ROW COMMENTS	05/27/25
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE REVIEWING AGENCIES, THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION. TERRA NOVA ENGINEERING, INC. APPROVES THEIR USE ONLY FOR THE PROJECT AND SITE SPECIFIC DESIGN. NO OTHER USE OR REUSE WITHOUT WRITTEN AUTHORIZATION.			
PREPARED FOR: RRVE WATER DISTRICT ATTN: STEVE SOVAIKO 15580 CALA ROJO DRIVE COLORADO SPRINGS, CO 80926 719.359.6663			
 Terra Nova Engineering, Inc. Creative Civil Engineering			
721 S. 2900 STREET COLORADO SPRINGS, CO 80904 OFFICE: 719-635-6422 FAX: 719-635-6426 www.tnec.com			
RED ROCK VALLEY ESTATES WATER DISTRICT			
RAW/POTABLE WATER TRANSMISSION LINES PLANS WATER PLAN - TALLENT WELL TO TANKS RUN			
DESIGNED BY	DLF		
DRAWN BY	DLF		
CHECKED BY	LD		
H-SCALE	AS SHOWN		
V-SCALE	NA		
JOB NO.	2311.00		
DATE ISSUED	06/06/25		
SHEET NO.	9 OF 13		



LEGEND

EXISTING CONTOURS - MAJOR	6500
EXISTING PROPERTY LINE	---
EXISTING WATER LINE	WL
AS-BUILT NEW WATER LINE	W
SANITARY SEWER LINE	SS
GAS LINE	GAS
UNDERGROUND ELECTRICAL LINE	UE
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OVERHEAD ELECTRIC LINE	OE
PROPOSED EXISTING	PR
RAW WATER	EX
POTABLE WATER	RAW
	PW

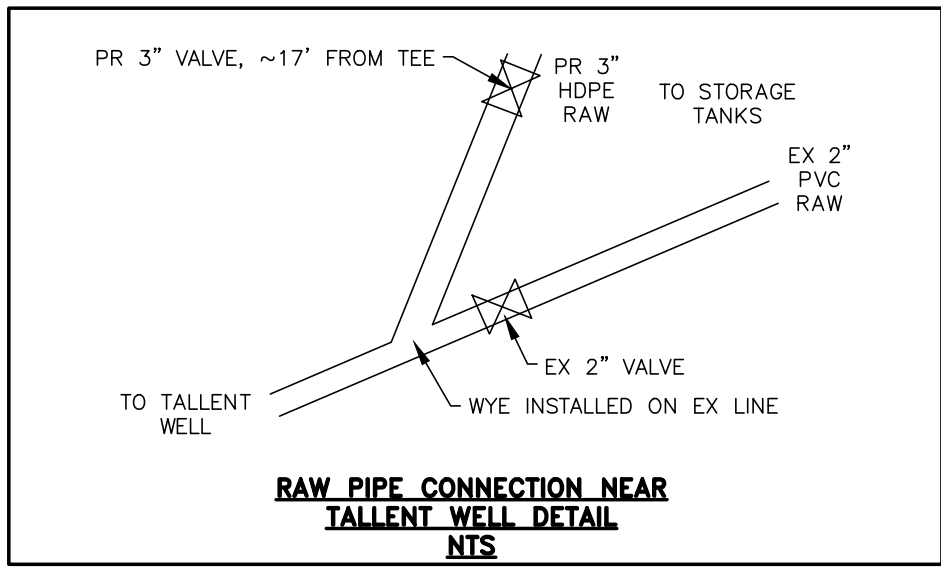
ENGINEERING RECORD DRAWINGS



SCALE: 1"=40'

NOTES

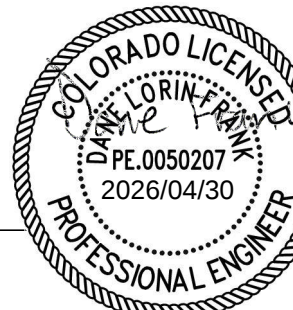
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Dane Frank

DANE FRANK
COLORADO P.E. NO. 50207



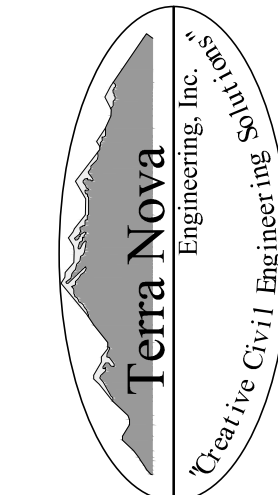
RED ROCK VALLEY ESTATES WATER DISTRICT

RAW/POTABLE WATER TRANSMISSION LINES AS-BUILTS

TALLENT WELL TO TANKS RUN

DESIGNED BY	DLF
DRAWN BY	DLF
CHECKED BY	LD
H-SCALE	AS SHOWN
V-SCALE	NA
JOB NO.	2311.00
DATE ISSUED	04/30/26
SHEET NO.	9A

721 S. 2900 STREET
COLORADO SPRINGS, CO 80904
OFFICE: 719-635-6422
FAX: 719-635-6426
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PREPARED FOR:
RRVE WATER DISTRICT
ATTN: STEVE SOVAIKO
15580 CALA ROJO DRIVE
COLORADO SPRINGS, CO 80926
719.359.6663

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REVISIONS	NO.	DESCRIPTION	DATE
1.	1.	COUNTY ROW COMMENTS	05/27/25