



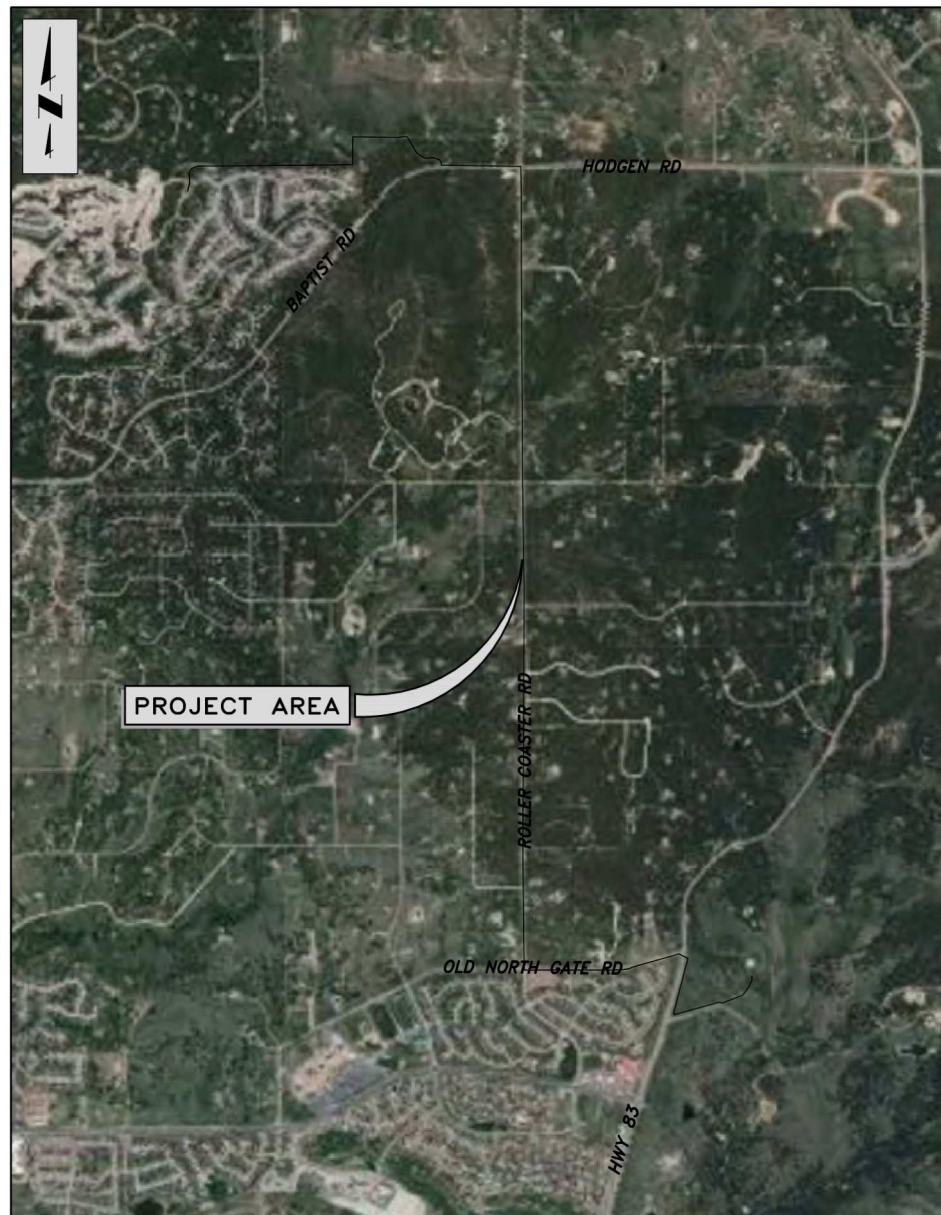
TRIVIEW METROPOLITAN DISTRICT NORTHERN DELIVERY SYSTEM

JANUARY 2023

LEGEND

---	EX PROPERTY LINE	====	PP SANITARY SEWER LINE ALIGNMENT
- - -	EX RIGHT-OF-WAY	====	PP WATER LINE ALIGNMENT
-X-	EX FENCE	(M)---	PP WATER METER & SERVICE
-W-	EX WATER LINE	--- 5540	PP CONTOURS-MAJOR
-SS-	EX SANITARY SEWER LINE	--- X	PP CONTOURS-MINOR
-OHE-	EX O.H. ELECTRIC	--- UGE	PP FENCE
-UGE-	EX U.G. ELECTRIC LINE	--- UGE	PP U.G. ELECTRIC LINE
-GAS-	EX U.G. GAS LINE	--- SF	PP EROSION CONTROL SILT FENCE
-TEL-	EX U.G. TELEPHONE LINE	--- . . .	PP EROSION CONTROL BALES
-CTV-	EX U.G. CABLE LINE	--- X	PP EROSION CONTROL LOG
--- 5539	EX CONTOURS-MAJOR	---	PP FIRE HYDRANT
---	EX CONTOURS-MINOR	---	PP WATER LINE FITTING
---	EX FIRE HYDRANT	---	PP WATER VALVE
---	EX WATER VALVE	---	PP WELL
(W)	EX WATER MANHOLE	---	PP SPOT ELEVATION
(SS)	EX SANITARY SEWER MANHOLE		
☀	EX LIGHT POLE		
☀	EX UTILITY POLE		
☀	EX OVERHANGING LIGHT POLE		
♣	EX SIGN		
♣	EX VEGETATION (SIZE VARIES)		

95% DESIGN



VICINITY MAP
N.T.S.

SHEET INDEX

SHEET NUMBER	DESCRIPTION	SHEET NUMBER	DESCRIPTION
COVER SHEET			
GENERAL			
G1	GENERAL NOTES		
G2	KEY MAP		
SEGMENT A1			
A1-01	PLAN & PROFILE: STATION 200+00 TO 207+00		
A1-02	PLAN & PROFILE: STATION 207+00 TO 214+00		
A1-03	PLAN & PROFILE: STATION 214+00 TO 221+00		
A1-04	PLAN & PROFILE: STATION 221+00 TO 228+00		
A1-05	PLAN & PROFILE: STATION 228+00 TO 235+00		
A1-06	PLAN & PROFILE: STATION 235+00 TO 242+00		
A1-07	PLAN & PROFILE: STATION 242+00 TO 249+00		
A1-08	PLAN & PROFILE: STATION 249+00 TO 256+50		
A1-09	PLAN & PROFILE: STATION 256+50 TO 263+00		
A1-10	PLAN & PROFILE: STATION 263+00 TO 270+00		
A1-11	PLAN & PROFILE: STATION 270+00 TO 277+00		
SEGMENT A2			
A2-00	KEY MAP		
A2-01	PLAN & PROFILE: STATION 300+00 TO 308+00		
A2-02	PLAN & PROFILE: STATION 308+00 TO 316+00		
A2-03	PLAN & PROFILE: STATION 316+00 TO 324+00		
A2-04	PLAN & PROFILE: STATION 324+00 TO 332+00		
A2-05	PLAN & PROFILE: STATION 332+00 TO 340+00		
A2-06	PLAN & PROFILE: STATION 340+00 TO 348+00		
A2-07	PLAN & PROFILE: STATION 348+00 TO 356+00		
A2-08	PLAN & PROFILE: STATION 356+00 TO 364+00		
A2-09	PLAN & PROFILE: STATION 364+00 TO 368+79		
SEGMENT A3			
A3-00	KEY MAP		
A3-01	PLAN & PROFILE: STATION 400+00 TO 408+00		
A3-02	PLAN & PROFILE: STATION 408+00 TO 416+00		
A3-03	PLAN & PROFILE: STATION 416+00 TO 424+00		
A3-04	PLAN & PROFILE: STATION 424+00 TO 431+00		
A3-05	PLAN & PROFILE: STATION 431+00 TO 439+00		
A3-06	PLAN & PROFILE: STATION 439+00 TO 447+00		
A3-07	PLAN & PROFILE: STATION 447+00 TO 454+38		
SEGMENT A4			
A4-01	PLAN AND PROFILE: STATION 0+00 TO 5+00		
A4-02	PLAN AND PROFILE: STATION 5+00 TO 9+59.08		
SEGMENT B4			
B4-01	PLAN & PROFILE: STATION 129+50 TO 137+00		
B4-02	PLAN & PROFILE: STATION 137+00 TO 145+00		
B4-03	PLAN & PROFILE: STATION 145+00 TO 152+40		
CIVIL DETAILS			
DET-1	CIVIL DETAILS		
DET-2	CIVIL DETAILS		
DET-3	CIVIL DETAILS		
DET-4	CIVIL DETAILS		
DET-5	CIVIL DETAILS		
DET-6	CIVIL DETAILS		
DET-7	CIVIL DETAILS		

PRE-EXCAVATION CHECKLIST

- Gas and Other Utility Lines Shown on Construction Plans
- Utility Notification Center of Colorado (UNCC)—Call at Least Two (2) Business Days Ahead—1-800-922-1987
- Utilities Located & Marked on the Ground
- Employees Briefed on Marking and Color Codes*
- Employees Trained on Excavation and Safety Procedures for Natural Gas Lines
- When Excavation Approaches Gas Lines, Employees Must Expose Lines by Careful Probing and Hand-Digging

COLOR CODE FOR MARKING UNDERGROUND UTILITY LINES

	PROPOSED EXCAVATION
	TEMPORARY SURVEY MARKINGS
	ELECTRIC
	GAS, OIL, STEAM
	COMMUNICATION, CTV
	POTABLE WATER
	IRRIGATION, RECLAIMED WATER, SLURRY LINES
	SEWER

COLORADO 811
Always Call Before You Dig 811 or (800) 922-1987

PARTICIPANTS

<p>OWNER TRIVIEW METROPOLITAN DISTRICT 16055 OLD FOREST POINT #300 MONUMENT, CO 80132 CONTACT: JIM MCGRADY PHONE: (719) 488-6868</p>	<p>CONSULTING/DESIGN ENGINEER JDS-HYDRO CONSULTANTS A DIVISION OF RESPEC 5540 TECH CENTER DR, STE 100 COLORADO SPRINGS, CO 80903 CONTACT: MARIO DIPASQUALE, PE PHONE: (719) 227-0072</p>
---	---

SIGNATURE BLOCKS

TRIVIEW METROPOLITAN DISTRICT APPROVAL:
THE TRIVIEW METROPOLITAN DISTRICT RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN. THE TRIVIEW METROPOLITAN DISTRICT HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY.

DISTRICT MANAGER _____ DATE _____

224.29
PROJECT NO. _____

IN CASE OF ERRORS OR OMISSIONS WITH THE WATER DESIGN AS SHOWN ON THIS DOCUMENT, THE STANDARDS AS DEFINED IN THE "WATER UTILITY POLICIES AND STANDARDS" SHALL RULE. IT IS THE RESPONSIBILITY OF THE SITE ENGINEER AND GENERAL CONTRACTOR TO ENSURE CONSTRUCTION IS IN COMPLIANCE.

ENGINEER'S STATEMENT
THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID DETAILS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE TRIVIEW METROPOLITAN DISTRICT.

MARIO L. DIPASQUALE, P.E. #41667 _____ DATE _____

SURVEY DATA

HORIZONTAL DATUM: HORIZONTAL COORDINATES ARE MODIFIED COLORADO STATE PLANE CENTRAL BASED UPON THE FOLLOWING:
COORDINATES ARE SCALED FROM CONTROL POINT 5052 BEING A 2-INCH ALUMINUM CAP STAMPED AZTEC CP 52 SET AT THE TOP OF A DIRT BANK ALONG THE EAST SIDE OF GLEN EAGLE DR, APPROXIMATELY 380+/- FEET NORTHERLY OF ST. LAWRENCE WAY. VALUES ARE BASED UPON A STATIC SURVEY SESSION WITH THE FOLLOWING RESULTS:
LATITUDE: 39-04-05916N
LONGITUDE: 104-49-24.82486 W
STATE PLANE NORTHING: 1,450,401.759
STATE PLANE EASTING: 3,192,049.712
SCALE FACTOR 1.0004063250
TRUNCATE NORTHING 1,000,000.00
TRUNCATE EASTING 3,000,000.00
PROJECT NORTHING: 450,401.759
PROJECT EASTING: 192,049.712

VERTICAL DATUM: NAVD 88 WITH GEOD G18US
BENCHMARK: CP 5052 EL: 7213.70
BENCHMARK: NGS CS 110 / DM9842 EL: 6843.25
Benchmark NGS S294/KK0272 EL: 7116.72

UTILITIES SHOWN WITHIN THE SURVEY HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION, EXISTING DRAWINGS AND/OR UTILITY LOCATE MARKINGS. THE SURVEYOR NOR ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR AND ENGINEER FURTHER DO NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.

JDS-HYDRO a Division of **RESPEC**
5540 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072

THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATION AND THE PROPOSED PLAN REFLECTS ALL SITE ELEMENTS REQUIRED BY THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE. APPROVAL OF THIS PLAN BY THE CITY OF FOUNTAIN DOES NOT ASSURE COMPLIANCE WITH THE ADA OR ANY OTHER FEDERAL OR STATE ACCESSIBILITY LAWS OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.

2023/02/02 1:36 PM By: Shelby Heule NA\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\General\22429_Cover.dwg

TRIVIEW METRO DISTRICT GENERAL NOTES:

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED THE SITE WORK STANDARDS AND SPECIFICATIONS, THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE TRIVIEW METROPOLITAN DISTRICT DESIGN CRITERIA & CONSTRUCTION SPECIFICATIONS, AND APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS SHALL BE INSPECTED AND APPROVED BY TRIVIEW METROPOLITAN DISTRICT. THE DISTRICTS WILL ALSO INSPECT ALL WORK ON PRIVATE PROPERTY.
2. THE TRIVIEW METROPOLITAN DISTRICT DESIGN CRITERIA & CONSTRUCTION SPECIFICATIONS MANUALS ARE CONSIDERED PART OF THIS CONSTRUCTION DRAWING SET. THIS DESIGN AND PLAN SET IS INCOMPLETE WITHOUT THESE SPECIFICATIONS MANUALS. THE CONTRACTOR SHALL OBTAIN A COPY OF THESE MANUALS AND BE FAMILIAR WITH THEM FOR ALL CONSTRUCTION ACTIVITIES.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ACTUAL CONSTRUCTION. ALL EXISTING UTILITIES SHOWN ARE BASED ON INFORMATION OF RECORD. THE CONTRACTOR IS RESPONSIBLE FOR TAKING PRECAUTIONARY MEASURES TO PROTECT THE EXISTING UTILITIES SHOWN HEREON AND ANY OTHER EXISTING UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS AND AGREES TO ACCEPT FULL RESPONSIBILITY FOR FAILURE TO LOCATE AND PRESERVE ANY EXISTING UTILITIES. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE TRIVIEW METROPOLITAN DISTRICT AND ALL UTILITY COMPANIES INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH THE MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE TRIVIEW METROPOLITAN DISTRICT INSPECTORS AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY, OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS.
6. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ALL PERMITS NEEDED FOR THE JOB, ON-SITE AT ALL TIMES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
8. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND THE TRIVIEW METROPOLITAN DISTRICT INSPECTORS IMMEDIATELY.
9. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
10. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH M.U.T.C.D. TO THE TOWN OF MONUMENT FOR APPROVAL, PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN, OR AFFECTING, THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
11. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, OR CONSTRUCTED, UNLESS SPECIFICALLY NOTED OTHERWISE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON THE SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE, WHICH SHALL BE AVAILABLE TO THE TRIVIEW METROPOLITAN DISTRICT INSPECTORS AT ALL TIMES. A REPRODUCIBLE SET OF AS-BUILT DRAWINGS MUST BE FURNISHED TO TRIVIEW METROPOLITAN DISTRICT AT THE COMPLETION OF THE PROJECT, PRIOR TO FINAL APPROVAL BY THE TRIVIEW METROPOLITAN DISTRICT.
14. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE ENGINEER-OF-RECORD FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
15. ALL STRUCTURAL EROSION CONTROL MEASUREMENTS SHALL BE INSTALLED, AT THE LIMITS OF CONSTRUCTION, PRIOR TO ANY OTHER GROUND DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BE THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.

16. THE CONTRACTOR SHALL SEQUENCE THE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES.
17. NO SITE-RELATED IMPROVEMENTS MAY COMMENCE UNTIL A PRE-CONSTRUCTION MEETING IS HELD WITH THE TRIVIEW METROPOLITAN DISTRICT AND ALL APPLICABLE PERMITS ARE OBTAINED.
18. THE CONTRACTOR MUST IDENTIFY TO THE TRIVIEW METROPOLITAN DISTRICT, PRIOR TO THE START OF ANY WORK, A QUALIFIED PLAN PERSON RESPONSIBLE FOR REVIEWING AND MONITORING ALL OPERATIONS IN ORDER TO PREVENT OR MINIMIZE THE IMPACT OF VIBRATION, NOISE, DUST, DRAINAGE, AND EROSION DAMAGE, AND OTHER FORMS OF POLLUTION ON NEARBY PROPERTY AND THE PUBLIC AS A WHOLE. THE DEVELOPER MUST WRITE TO THE OWNERS/OCCUPANTS OF PROPERTIES WITHIN AT LEAST 100 YARDS OF THE LIMITS OF THE WORKSITE, INFORMING THEM OF THE NATURE AND TIMING OF THE PROJECT AND PROVIDING CONTACT DETAILS FOR COMPLAINTS.

GENERAL CONSTRUCTION NOTES:

1. THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING IMPROVEMENTS TO BE MET BY THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION. ANY SIGNIFICANT DISCREPANCIES FOUND BETWEEN THIS PLAN SET AND ACTUAL FIELD CONDITIONS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER OF RECORD FOR APPROPRIATE ACTION.
2. THE CONTRACTOR IS ADVISED THAT ALL EXISTING CONDITIONS OUTSIDE THE AREA OF WORK SHALL BE PROTECTED, IF DAMAGE OCCURS DURING CONSTRUCTION, IT WILL BE REPLACED IN THE ORIGINAL, EXISTING CONDITION AT THE CONTRACTOR'S EXPENSE.
3. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND ROUTING DURING CONSTRUCTION, IF REQUIRED. TWO-WAY TRAFFIC SHALL BE MAINTAINED THROUGH THE WORK AREA AT ALL TIMES.
4. ALL DISTURBED AREAS THAT ARE TO REMAIN UNCOVERED FOR A PERIOD GREATER THAN 2 MONTHS SHALL BE RESEEDED AND WATERED UNTIL STABLE VEGETATION IS ESTABLISHED.
5. AT LEAST ONE SIGNED AND STAMPED SET OF THESE CONSTRUCTION DRAWINGS SHALL BE KEPT ON-SITE AT ALL TIMES.
6. ALL PLANS ON THE JOB SITE SHALL BE SIGNED BY THE TRIVIEW METROPOLITAN DISTRICT, AND THE DISTRICTS' ENGINEERS. ANY REVISION OF THE PLANS SHALL BE SO NOTED, WITH THE OLD DRAWINGS MARKED NOT VALID.
7. ALL STATIONING IS CENTER LINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE BOTTOM OF PIPE UNLESS OTHERWISE NOTED.
8. ALL BURIED DUCTILE IRON PIPE, INCLUDING FITTINGS, VALVES AND FIRE HYDRANTS, SHALL BE WRAPPED WITH POLYETHYLENE TUBING, DOUBLE BONDED AT EACH JOINT AND ELECTRICALLY ISOLATED.
9. ALL DUCTILE IRON PIPE LESS THAN 12 INCHES AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WIRE WITH 17 LB. MAGNESIUM ANODES EVERY 400 FEET AND 9 LB. MAGNESIUM ANODES AT EACH FITTING.
10. ALL MAIN LINES (PVC & DUCTILE IRON) SHALL BE INSTALLED WITH TRACER WIRE WITH TEST STATIONS EVERY 500 FT (UNLESS VALVE BOXES CAN BE USED AT INTERSECTIONS AND SERVICE STUBS).
11. ALL PIPE MATERIAL, BACKFILL AND INSTALLATION SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS, COLORADO DEPARTMENT OF TRANSPORTATION, EL PASO COUNTY DEPARTMENT OF TRANSPORTATION, COLORADO SPRINGS UTILITIES AND THE GEOTECHNICAL ENGINEER.
12. COMPACTION TESTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE DISTRICT OR HIGHER STANDARD AS IMPOSED BY ANOTHER AGENCY HAVING RIGHT-OF-WAY JURISDICTION. THIS SHALL INCLUDE ALL VALVES, FIRE HYDRANT RUNS, WATER & SEWER SERVICE LINES AND MANHOLES. ALL REPORTS SHALL BE SUBMITTED TO THE TRIVIEW METROPOLITAN DISTRICT FOR REVIEW AND APPROVAL.
13. ALL BENDS SHALL BE STAKED PRIOR TO THE START OF CONSTRUCTION.
14. ALL UNUSED SALVAGED WATER UTILITY MATERIAL SHALL BE RETURNED TO THE TRIVIEW METROPOLITAN DISTRICT AS REQUESTED.
15. AT THE CONTRACTOR'S EXPENSE ALL UTILITY MAINS SHALL BE SUPPORTED AND PROTECTED SUCH THAT THEY FUNCTION CONTINUOUSLY DURING CONSTRUCTION OPERATIONS. SHOULD A UTILITY MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATION, IT SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR OR THE METROPOLITAN DISTRICTS AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR/DEVELOPER.
16. THE CONTRACTOR SHALL REPLACE OR REPAIR DAMAGE TO ALL SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, LANDSCAPING, CURB AND GUTTER AND/OR ASPHALT THAT MAY BE CAUSED DURING CONSTRUCTION.
17. ALL CONTRACTORS WORKING ON OR NEAR A WATER OR SEWER FACILITY (TO INCLUDE SERVICE LINES) SHALL HAVE LIABILITY INSURANCE NAMING THE TRIVIEW METROPOLITAN DISTRICT AS ADDITIONAL INSURERS AND SHALL PROVIDE A CURRENT COPY OF WORKERS COMPENSATION INSURANCE ON FILE WITH THE DISTRICTS. NO WORK CAN PROCEED WITHOUT CURRENT CERTIFICATES ON FILE AT THE DISTRICT OFFICE.

18. THE CONTRACTOR SHALL NOTIFY THE TRIVIEW METROPOLITAN DISTRICT (488-6868), AND ALL AFFECTED UTILITY COMPANIES ADJACENT TO THE PROPOSED UTILITY CONSTRUCTION A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. A WEEKLY CONSTRUCTION MEETING SHALL BE REQUIRED WITH THE CONTRACTOR, DISTRICT ENGINEERS AND ALL OTHER PARTIES AS DEEMED NECESSARY BY THE DISTRICTS.
19. COMMENCEMENT OF CONSTRUCTION OF WATER/SEWER SYSTEMS WITHIN DISTRICTS:
 - 19.1. PRIOR TO THE START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING IS REQUIRED A MINIMUM OF 48 HOURS IN ADVANCE OF COMMENCEMENT OF WORK. A REPRESENTATIVE OF THE OWNER OR DEVELOPER, A REPRESENTATIVE OF THE CONTRACTOR, AND THE DESIGN ENGINEER ARE REQUIRED TO ATTEND. CONTACT THE TRIVIEW METROPOLITAN DISTRICT (488-6868) TO SCHEDULE THE PRE-CONSTRUCTION MEETING. NO PRE-CONSTRUCTION MEETING CAN BE SCHEDULED UNTIL THREE (3) SIGNED/APPROVED PLAN SETS ARE RECEIVED BY THE METROPOLITAN DISTRICTS.
 - 19.2. THE CONTRACTOR IS REQUIRED TO NOTIFY THE TRIVIEW METROPOLITAN DISTRICT (488-6868) A MINIMUM OF 48 HOURS AND A MAXIMUM OF 2 WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION ADJACENT TO THE KNOWN UTILITY LINES.
20. PRESSURE TESTING OF FACILITIES:
 - 20.1. THE CONTRACTOR SHALL NOTIFY THE TRIVIEW METROPOLITAN DISTRICT (488-6868) A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF ANY TESTING.
 - 20.2. ALL SECTIONS OF WATER LINE ARE TO MEET THE FOLLOWING PRESSURE TESTING REQUIREMENTS
 - 20.2.1. TEST 100% OF ALL LINES.
 - 20.2.2. MUST PASS PRESSURE TEST TO 200 PSI FOR TWO HOURS (UNLESS OTHERWISE APPROVED ON THE PLANS)
21. DISINFECTION OF FACILITIES:
 - 21.1. THE CONTRACTOR SHALL DISINFECT ALL DOMESTIC WATERLINES ACCORDING TO AWWA STANDARDS B-300 AND C-601, INCLUDING PRELIMINARY FLUSHING, CHLORINATION, AND FINAL FLUSHING.
 - 21.2. THE CONTRACTOR SHALL COLLECT SAMPLES FROM END OF PIPELINE AFTER FINAL FLUSHING AND PRIOR TO PLACING WATERLINES IN SERVICE AND TEST FOR COLIFORM ORGANISMS. THE NUMBER AND FREQUENCY OF SAMPLES SHALL CONFORM WITH THE REQUIREMENTS OF THE PUBLIC HEALTH AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL PAY FOR THE SERVICES OF AN INDEPENDENT TESTING LABORATORY TO PERFORM SAMPLING AND TESTING AS REQUIRED.
 - 21.3. REPEAT DISINFECTION UNTIL SATISFACTORY SAMPLES HAVE BEEN OBTAINED IF INITIAL OR SUBSEQUENT DISINFECTION FAILS TO PRODUCE SATISFACTORY SAMPLES.
22. COMMENCEMENT OF USE OF WATER LINES AND/OR SYSTEMS:
 - 22.1. NO WATER FACILITY SHALL BE PLACED IN SERVICE UNTIL AFTER THE COMPLETION OF ALL PRESSURE TESTING, FLUSHING, DISINFECTION, BAC-T TESTING, AND COMPACTION TESTING, AND UNTIL AS-BUILT DRAWINGS ARE SUBMITTED AND APPROVED BY THE DISTRICT.
 - 22.2. NO WATER FACILITY SHALL BE PLACED IN SERVICE UNTIL ALL SERVICE LINES ARE COMPLETED AND THE FIRST LIFT OF ASPHALT IS COMPLETED OVER THE LINE. IN THE CASE WHERE NO ASPHALT IS TO BE PLACED OVER THE LINE, SURFACE IMPROVEMENTS SHALL BE COMPLETED PRIOR TO THE USE OF THE FACILITY.
 - 22.3. NO WATER FACILITY SHALL BE PLACED IN SERVICE UNTIL ALL EASEMENTS (PLATTED OR DEEDED) ARE DEDICATED, EXECUTED BY THE DISTRICTS, AND RECORDED.
23. ALL WATER LINES SHALL HAVE "AS BUILT" PLANS PREPARED AND APPROVED PRIOR TO PRELIMINARY ACCEPTANCE BY THE DISTRICT.
24. SUBSURFACE UTILITY ENGINEERING
 - 24.1. UTILITIES ARE DEPICTED ON THESE PLANS IN ACCORDANCE WITH THEIR ACHIEVED "QUALITY LEVELS" AS DEFINED IN THE AMERICAN SOCIETY OF CIVIL ENGINEER'S DOCUMENT ASCE 38, "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."
 - 24.2. RELIANCE UPON THESE DATA FOR RISK MANAGEMENT PURPOSES DURING BIDDING DOES NOT RELIEVE THE EXCAVATOR OR UTILITY OWNER FROM FOLLOWING ALL APPLICABLE UTILITY DAMAGE PREVENTION STATUTES, POLICIES, AND/OR PROCEDURES DURING EXCAVATION. IT IS IMPORTANT THAT THE CONTRACTOR INVESTIGATES AND UNDERSTANDS THE SCOPE OF WORK BETWEEN THE PROJECT OWNER AND THEIR ENGINEER REGARDING THE SCOPE AND LIMITS OF THE UTILITY INVESTIGATIONS LEADING TO THESE UTILITY DEPICTIONS.

JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM

GENERAL NOTES

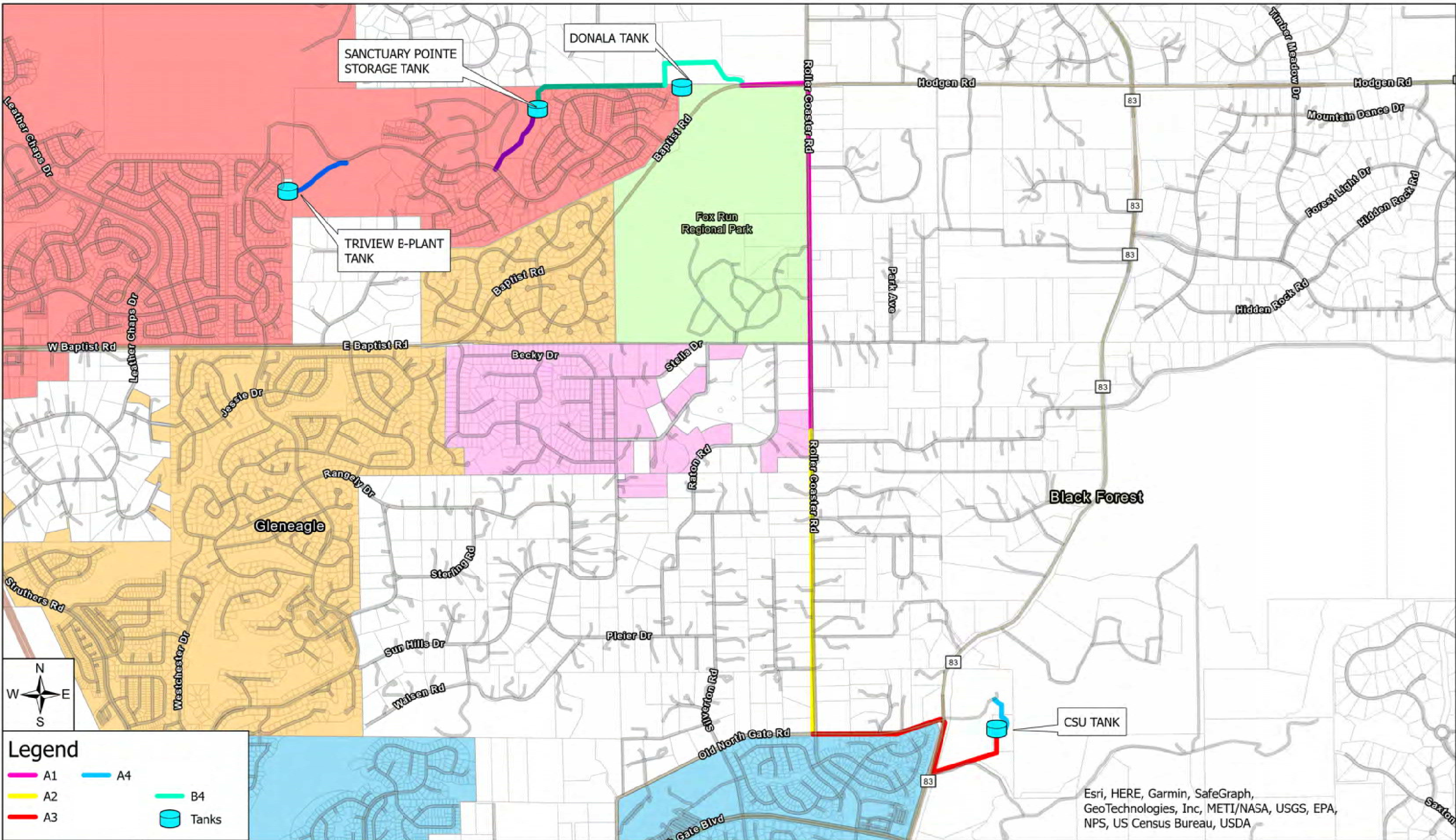
NO.	DESCRIPTION	REVISIONS		DATE
		BY	APP.	
1	SURVEYOR COMMENTS	SNH	MLD	02/02/23
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

G1

SHEET ---- OF



Legend

- A1
- A2
- A3
- A4
- B4
- Tanks

Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA



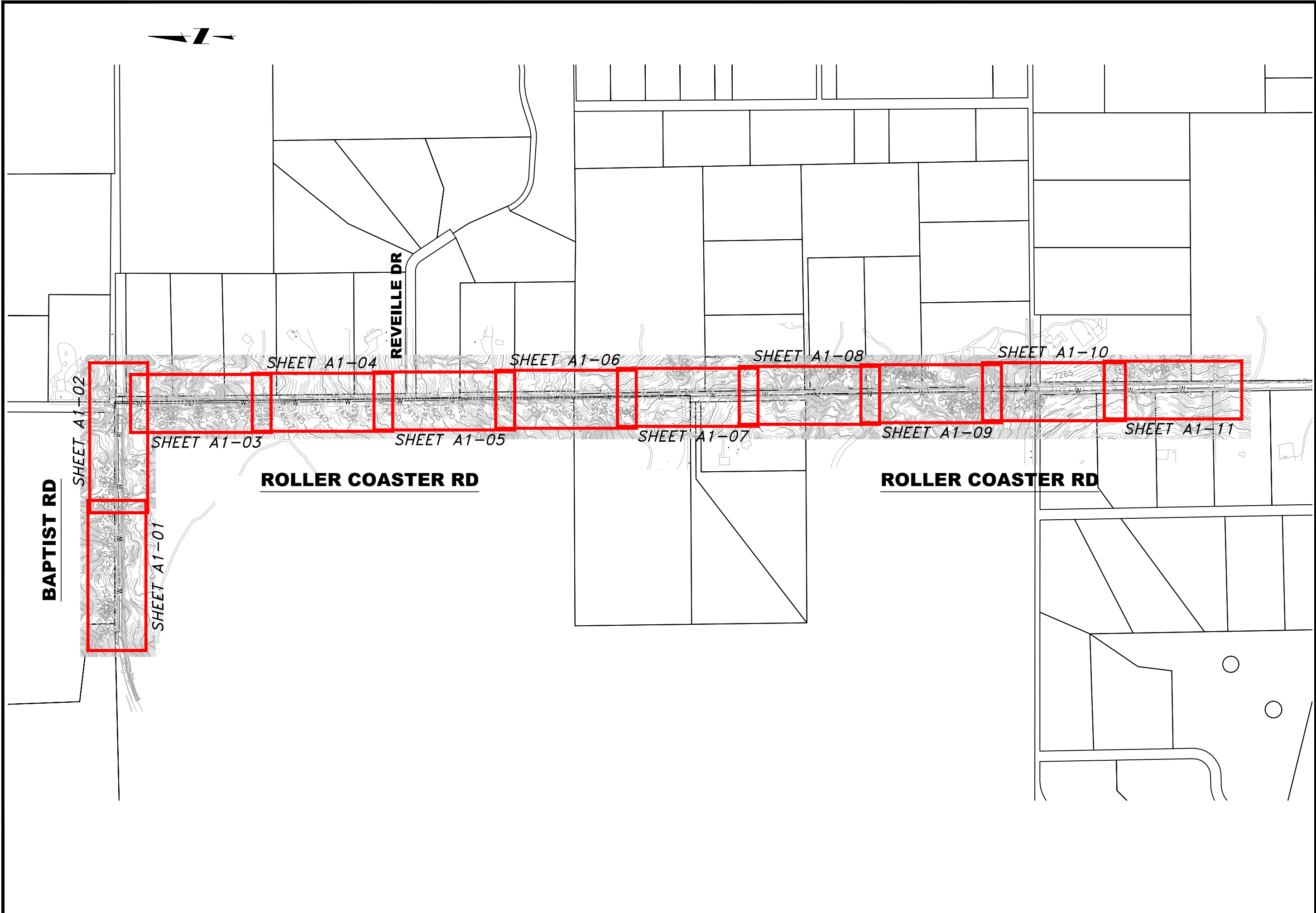
Triview Metropolitan District
10/13/2022

NORTHERN DELIVERY SYSTEM KEY MAP



JDS-HYDRO
CONSULTANTS, INC. G2
a Division of RESPEC Company LLC

2023/02/01 8:41 AM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_Seg_A1_North.dwg



JDS-HYDRO a Division of **RESPEC**
5540 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072
DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM
SEGMENT A1 KEY MAP

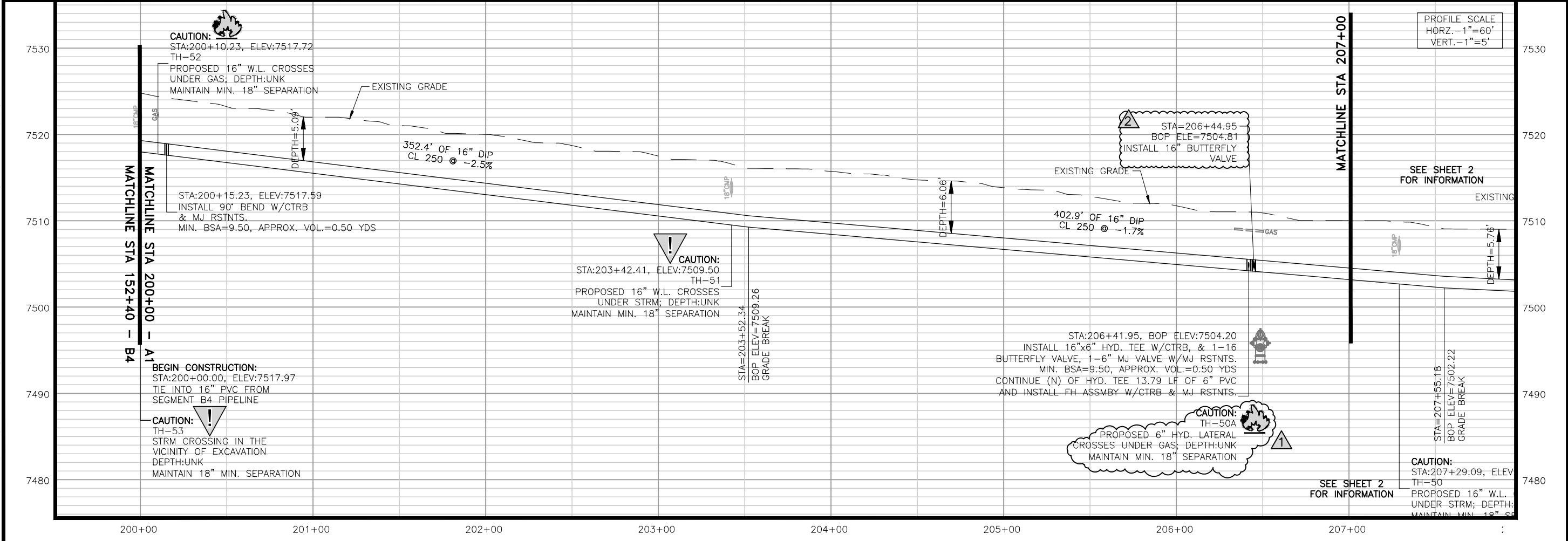
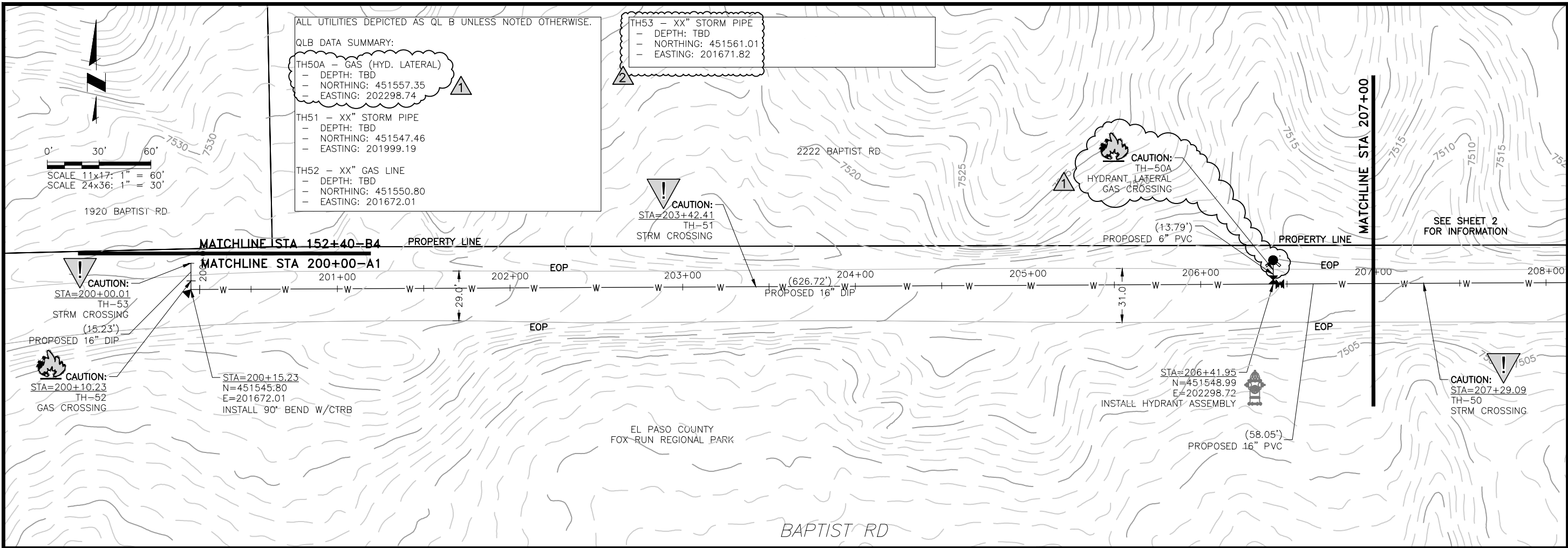
NO.	DESCRIPTION	BY	APP.	DATE
1				
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
Date: 06/03/22
Design: GJD
Drawn: JLB
Check: MLD

G2
SHEET ---- OF

2023/02/01 8:42 AM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_Seg_A1_North.dwg



ALL UTILITIES DEPICTED AS QL B UNLESS NOTED OTHERWISE.

QLB DATA SUMMARY:

TH50A - GAS (HYD. LATERAL)
 - DEPTH: TBD
 - NORTHING: 451557.35
 - EASTING: 202298.74

TH51 - XX" STORM PIPE
 - DEPTH: TBD
 - NORTHING: 451547.46
 - EASTING: 201999.19

TH52 - XX" GAS LINE
 - DEPTH: TBD
 - NORTHING: 451550.80
 - EASTING: 201672.01

TH53 - XX" STORM PIPE
 - DEPTH: TBD
 - NORTHING: 451561.01
 - EASTING: 201671.82

JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A1 - PLAN AND PROFILE
 STATION 200+00 TO 207+00

NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/25/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A1-01
 SHEET ---OF---

2023/02/02 1:57 PM By: Shelby Heule NA\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_Seg_A1_North.dwg

ALL UTILITIES DEPICTED AS QL B UNLESS NOTED OTHERWISE.

QLB DATA SUMMARY:
 TH44 - (2) UNDERGROUND COMMUNICATIONS
 - DEPTH: TBD
 - NORTHING: 451501.33
 - EASTING: 202985.10

TH44A - UNDERGROUND ELECTRIC
 - DEPTH: TBD
 - NORTHING: 451517.15
 - EASTING: 202985.04

TH45 - UNDERGROUND COMMUNICATIONS
 - DEPTH: TBD
 - NORTHING: 451552.45
 - EASTING: 202977.88

TH46 - UNDERGROUND COMMUNICATIONS
 - DEPTH: TBD
 - NORTHING: 451552.34
 - EASTING: 202956.50

TH47 - (4) UNDERGROUND ELECTRIC
 - DEPTH: TBD
 - NORTHING: 451552.15
 - EASTING: 202918.45

TH48 - XX" STORM PIPE
 - DEPTH: TBD
 - NORTHING: 451552.12
 - EASTING: 202912.66

TH49 - XX" STORM PIPE
 - DEPTH: TBD
 - NORTHING: 451550.54
 - EASTING: 202602.88

TH50 - XX" STORM PIPE
 - DEPTH: TBD
 - NORTHING: 451549.43
 - EASTING: 202385.87

CAUTION:
 STA=213+21.13
 TH-45
 TELE CROSSING

CAUTION:
 STA=212+99.73
 TH-46
 TELE CROSSING

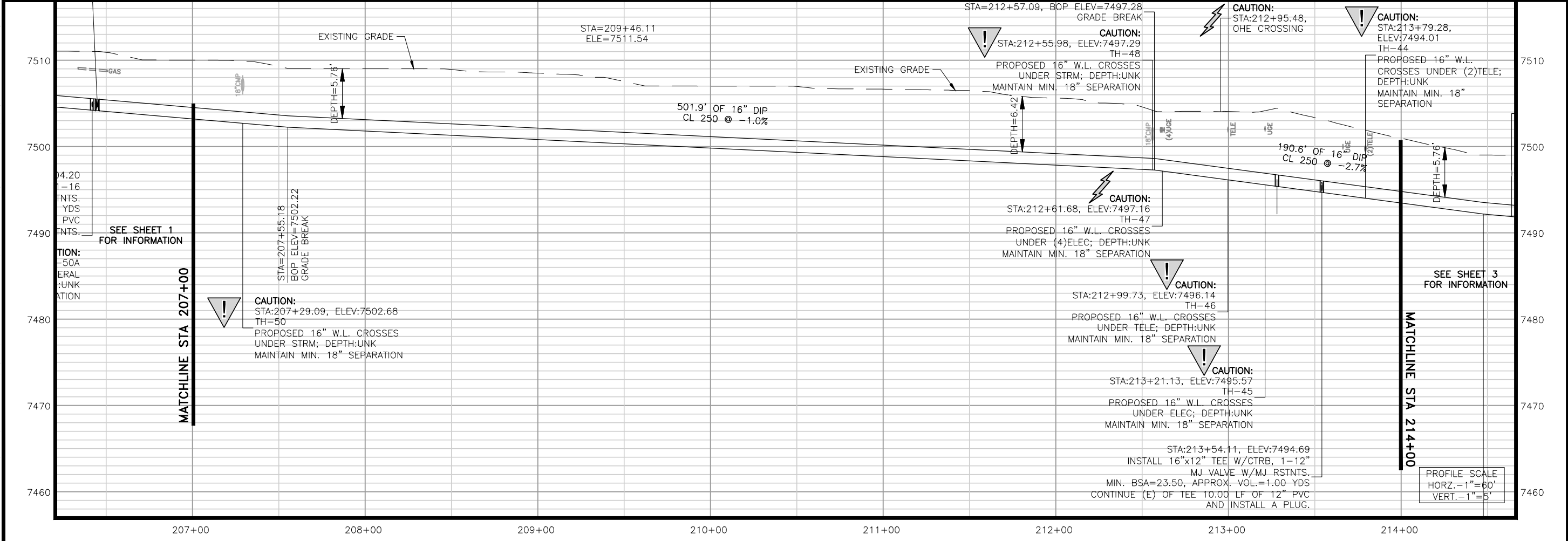
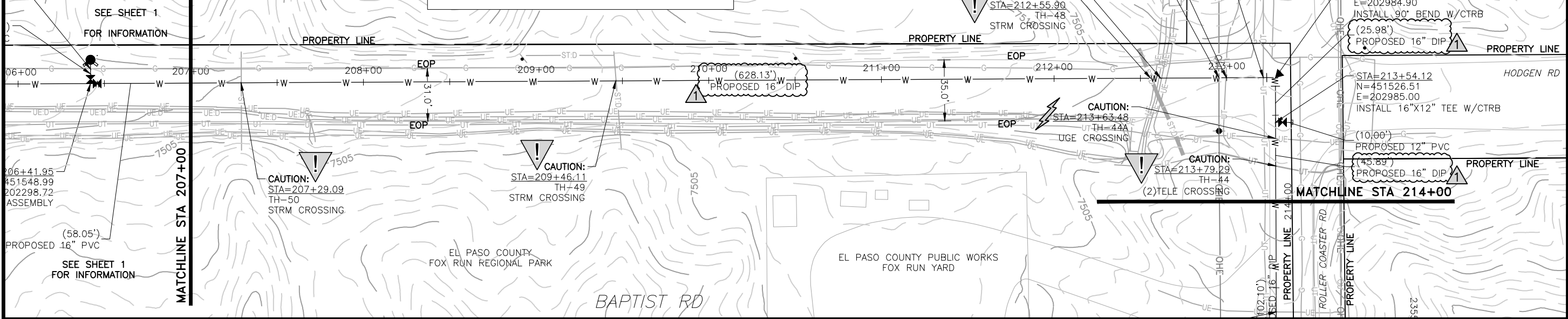
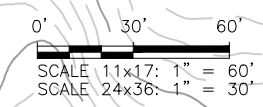
CAUTION:
 STA=212+95.48
 TH-48
 OHE CROSSING

CAUTION:
 STA=212+61.68
 TH-47
 (4)UGE CROSSING

CAUTION:
 STA=212+55.90
 TH-48
 STRM CROSSING

CAUTION:
 STA=213+63.48
 TH-44A
 UGE CROSSING

CAUTION:
 STA=213+79.29
 TH-44
 (2)TELE CROSSING



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A1 - PLAN AND PROFILE
 STATION 207+00 TO 214+00

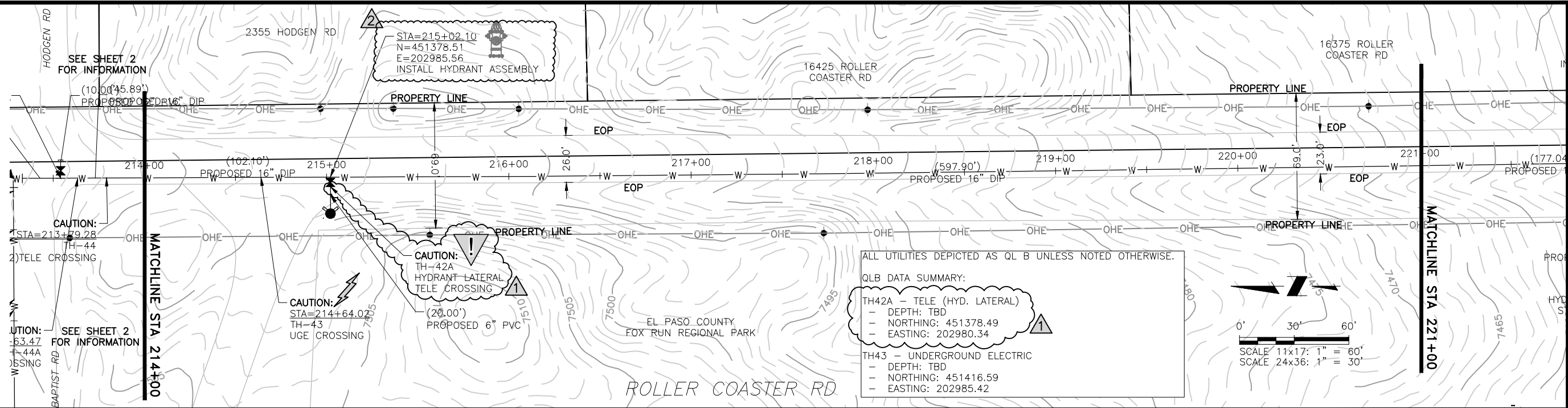
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 2	SNW	MLD	01/25/23
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A1-02
 SHEET ---OF

2023/02/01 8:43 AM By: Shelby Heule NA:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_Seg_A1_North.dwg

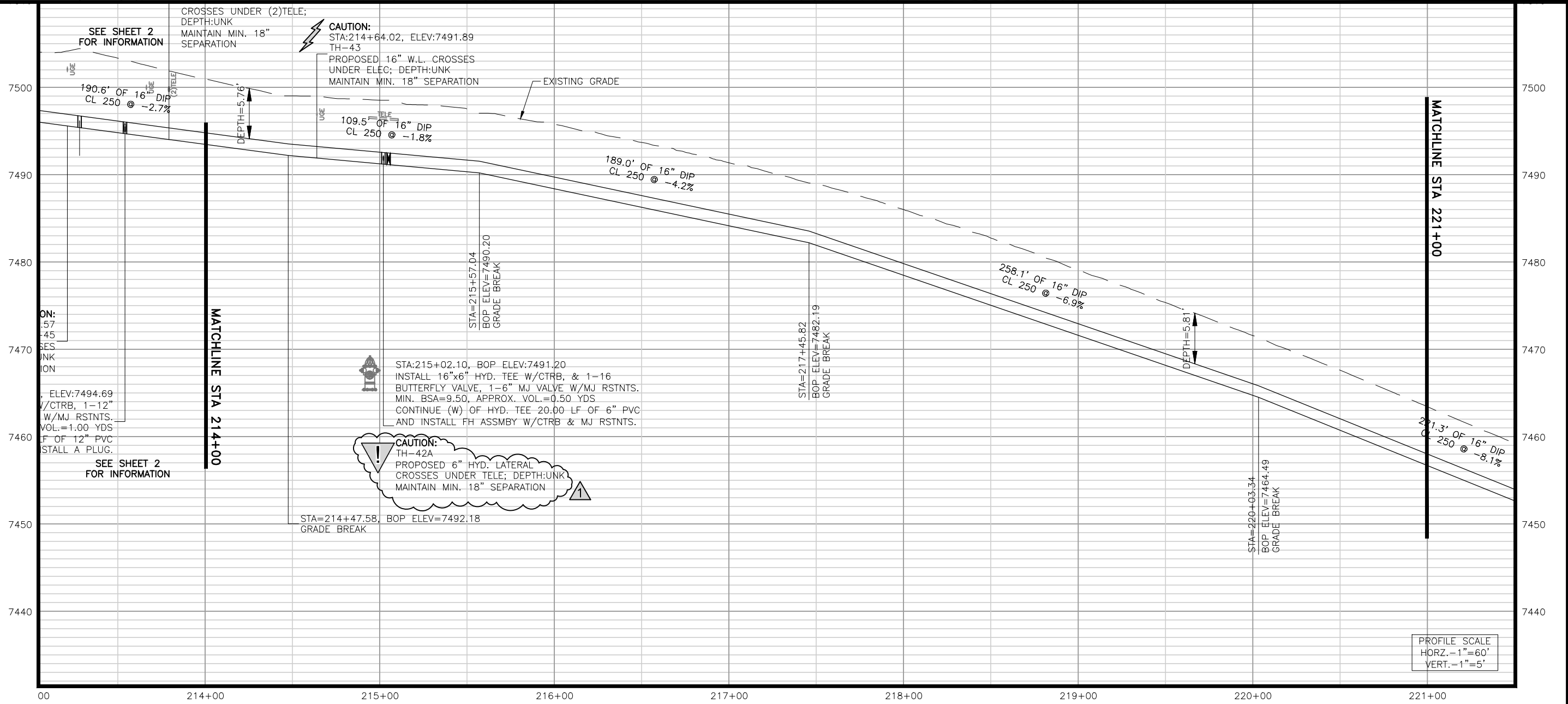
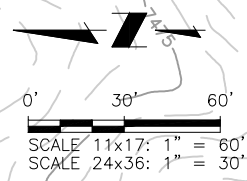


ALL UTILITIES DEPICTED AS QLB UNLESS NOTED OTHERWISE.

QLB DATA SUMMARY:

TH42A - TELE (HYD. LATERAL)
 - DEPTH: TBD
 - NORTHING: 451378.49
 - EASTING: 202980.34

TH43 - UNDERGROUND ELECTRIC
 - DEPTH: TBD
 - NORTHING: 451416.59
 - EASTING: 202985.42



PROFILE SCALE
 HORZ. - 1"=60'
 VERT. - 1"=5'

JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A1 - PLAN AND PROFILE
 STATION 214+00 TO 221+00

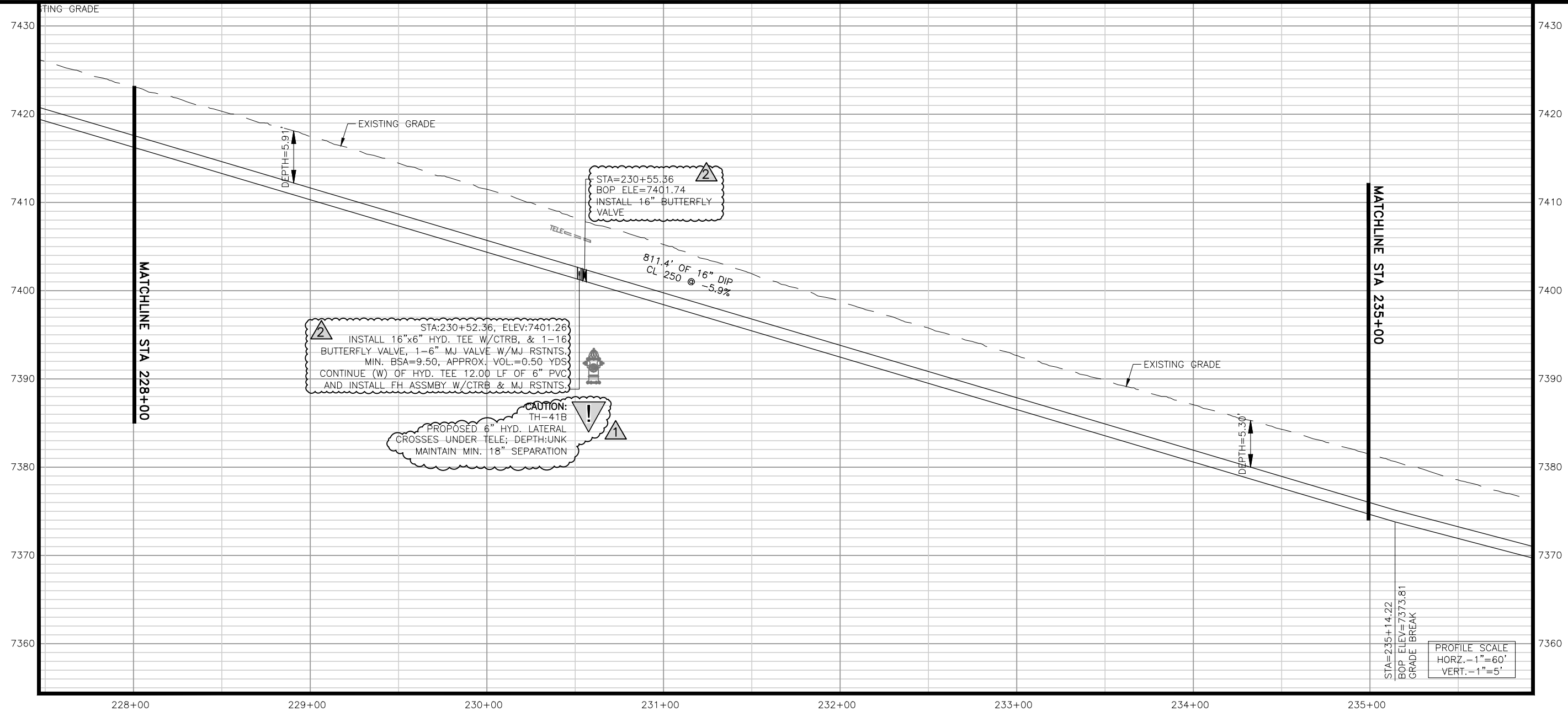
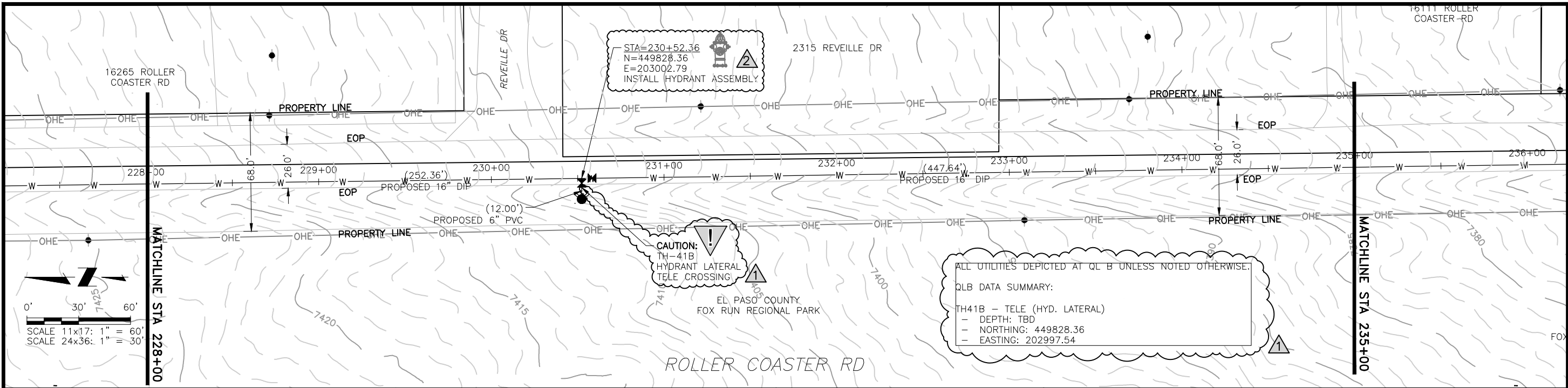
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/25/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A1-03
 SHEET ---OF

2023/02/01 8:44 AM By: Shelby Heule NA\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_Seg_A1_North.dwg



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A1 - PLAN AND PROFILE
 STATION 228+00 TO 235+00

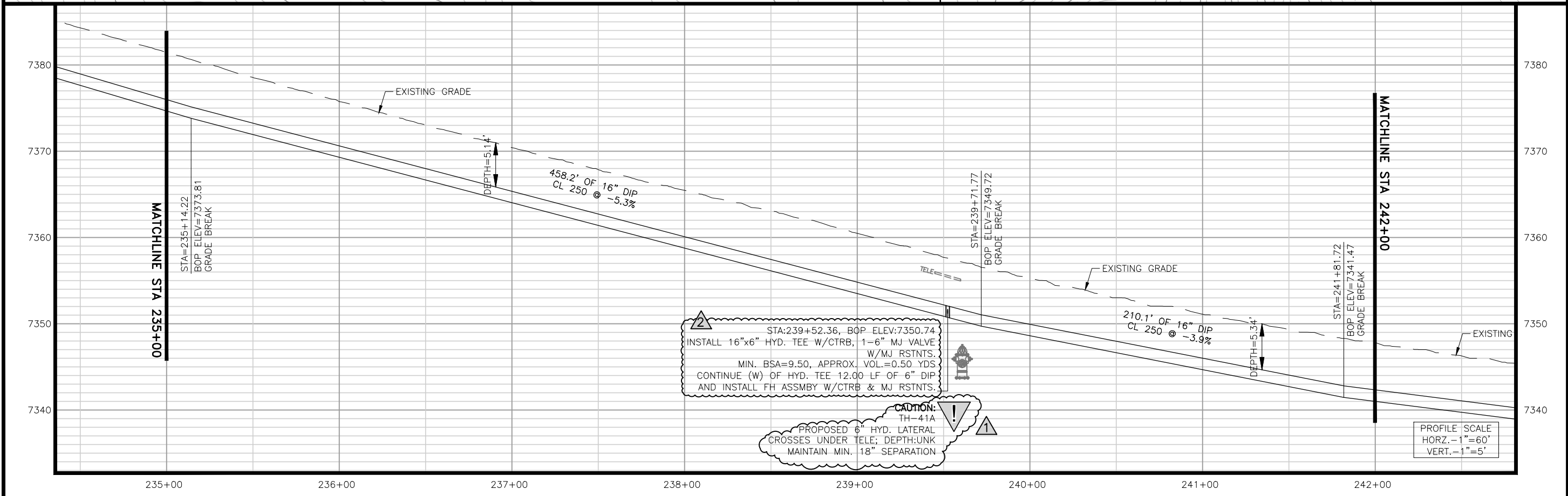
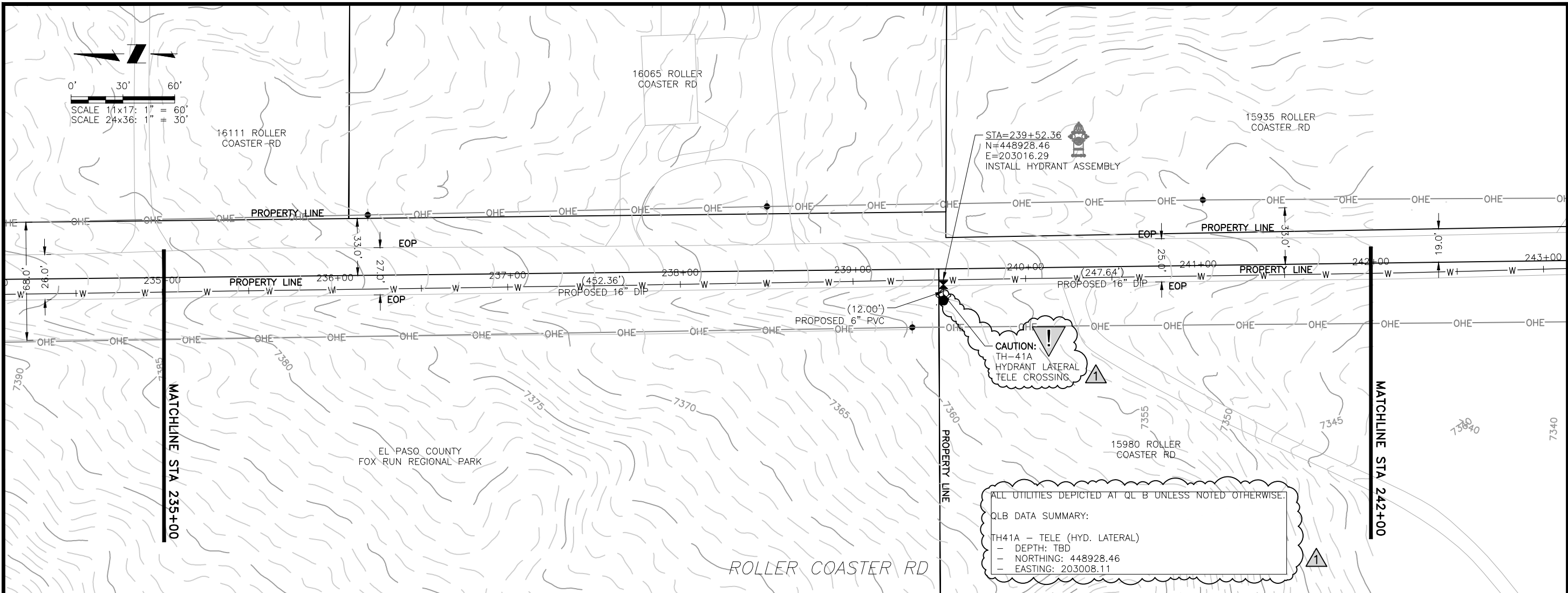
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/25/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A1-05
 SHEET ---OF

2023/02/01 8:44 AM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Babbit - Roller Coaster\22429_Seg_A1_North.dwg



JDS-HYDRO a Division of **RESPEC**
5540 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM
SEGMENT A1 - PLAN AND PROFILE
STATION 235+00 TO 242+00

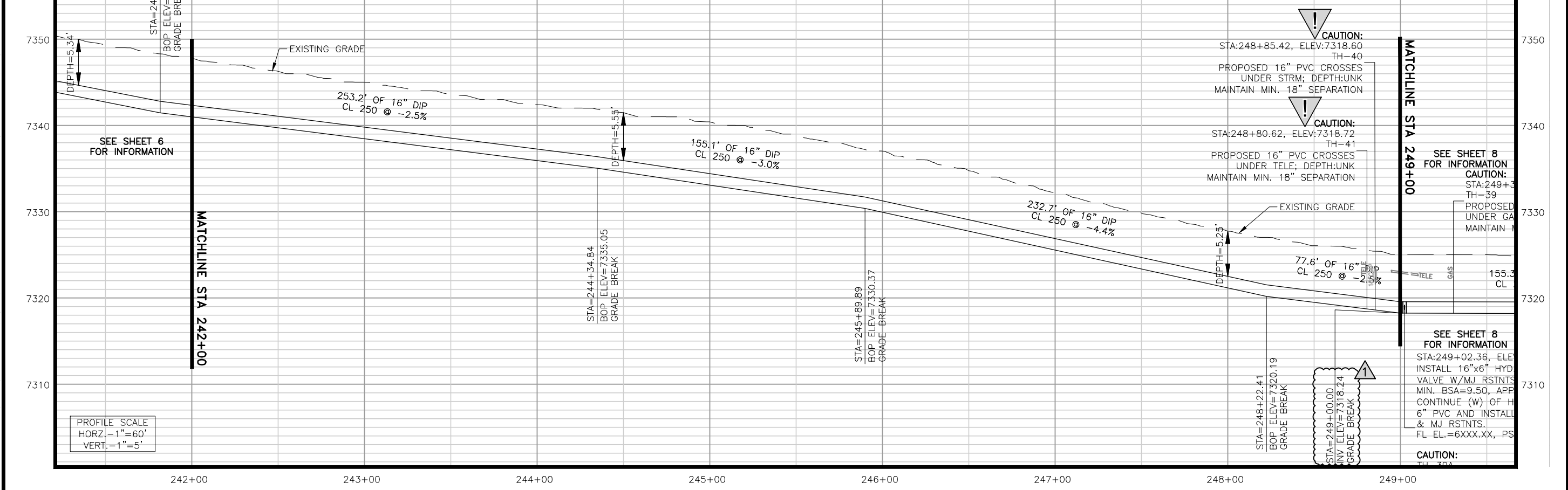
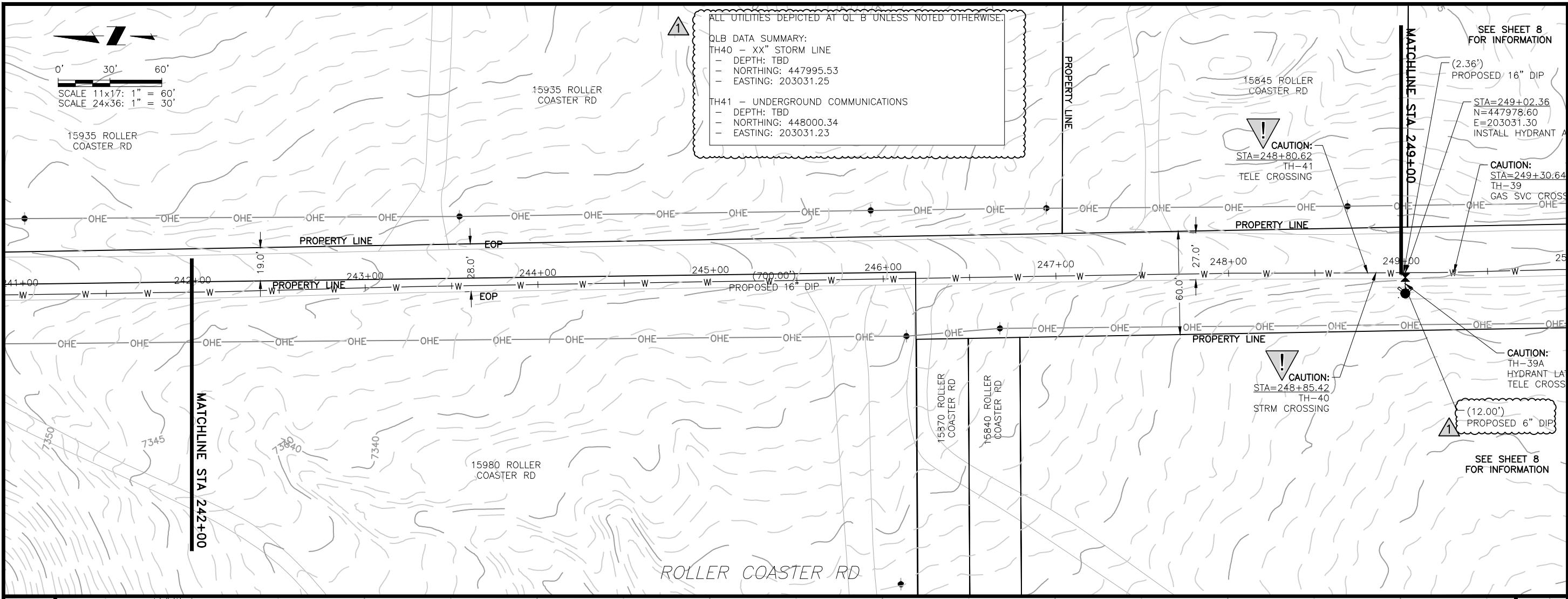
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/25/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
Date: 06/03/22
Design: MLD
Drawn: SNW
Check: MLD

A1-06
SHEET ---OF---

2023/02/01 8:45 AM By: Shelby Heule NA\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_Seg_A1_North.dwg



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A1 - PLAN AND PROFILE
 STATION 242+00 TO 249+00

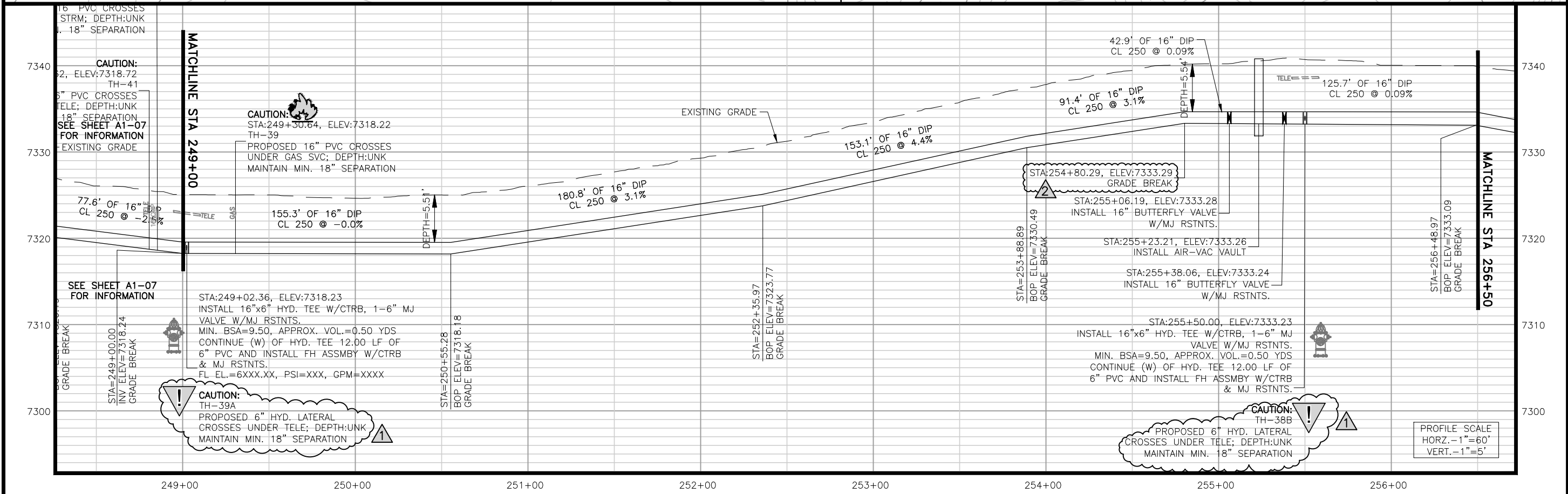
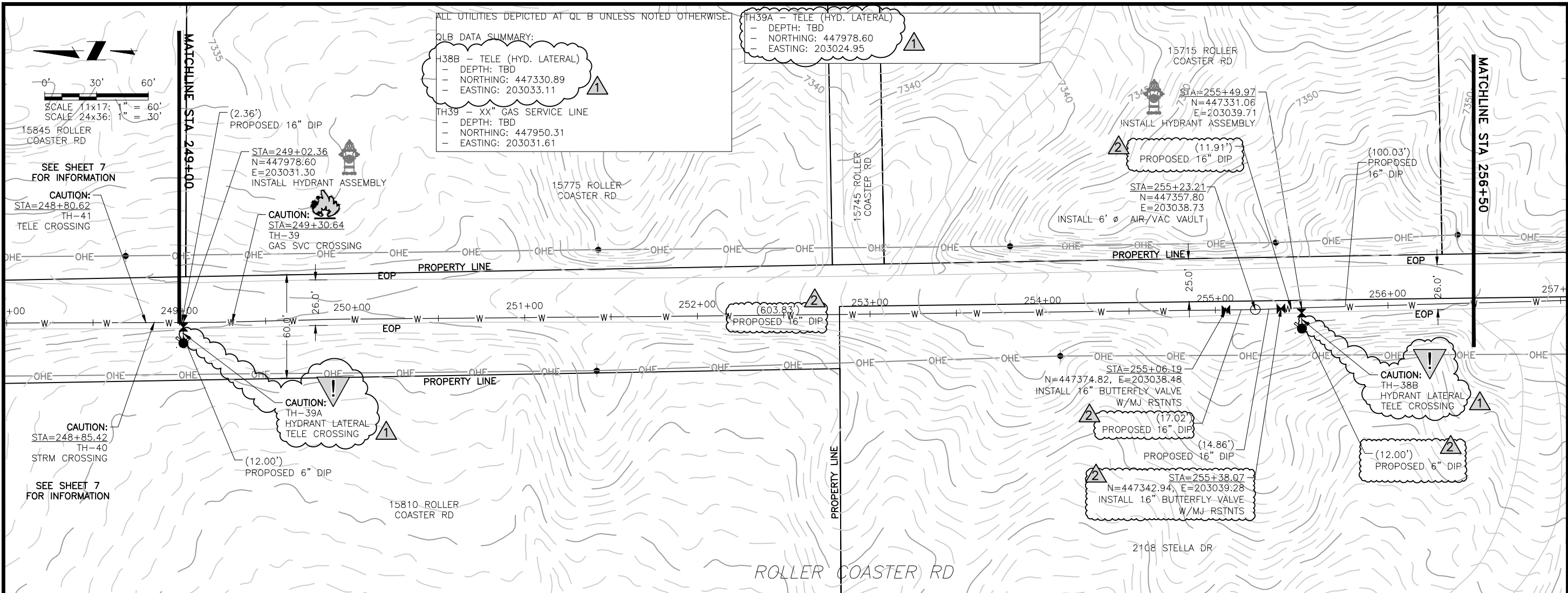
REVISIONS		BY	APP.	DATE
NO.	DESCRIPTION	REVISIONS	2	SNH MLD 01/25/23
1				
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A1-07
 SHEET ---OF---

2023/02/01 8:45 AM By: Shelby Heule NA:Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_Seg_A1_North.dwg



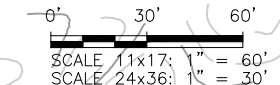
ALL UTILITIES DEPICTED AT QLB UNLESS NOTED OTHERWISE.

QLB DATA SUMMARY:

H38B - TELE (HYD. LATERAL)
 - DEPTH: TBD
 - NORTHING: 447330.89
 - EASTING: 203033.11

TH39 - XX" GAS SERVICE LINE
 - DEPTH: TBD
 - NORTHING: 447950.31
 - EASTING: 203031.61

TH39A - TELE (HYD. LATERAL)
 - DEPTH: TBD
 - NORTHING: 447978.60
 - EASTING: 203024.95



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A1 - PLAN AND PROFILE
 STATION 249+00 TO 256+50

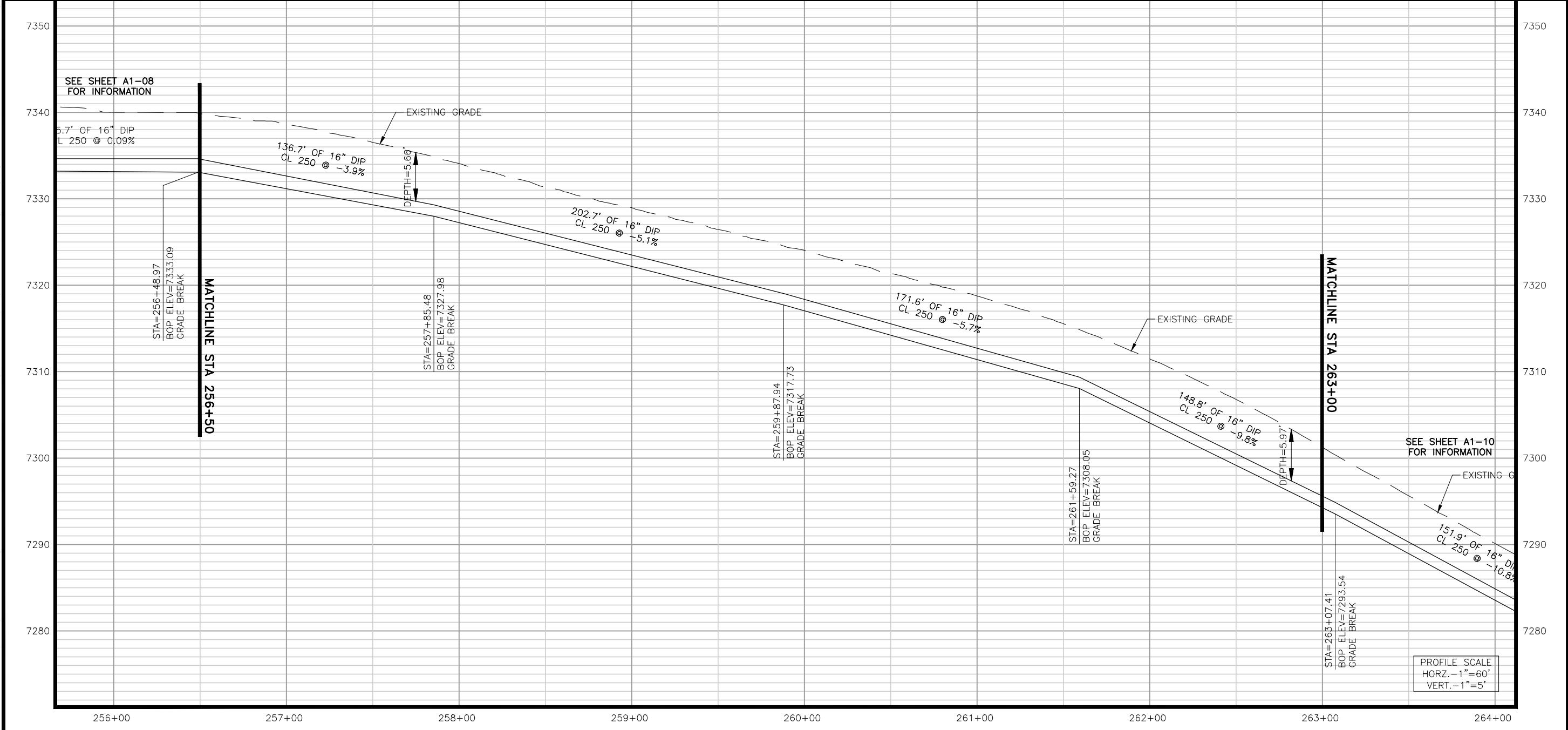
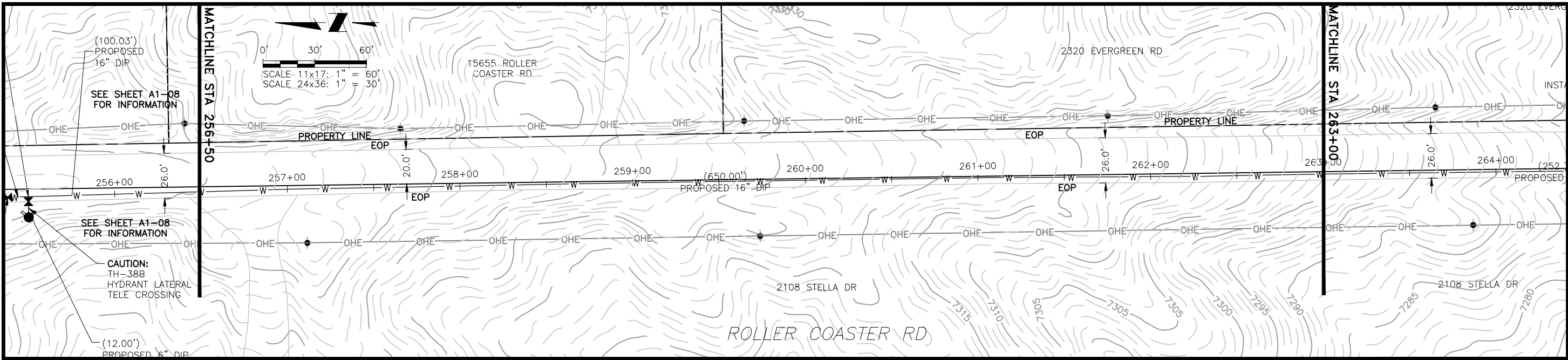
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/25/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A1-08
 SHEET ----OF

2023/02/01 8:46 AM By: Shelby Heule NA\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_Seg_A1_North.dwg



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A1 - PLAN AND PROFILE
 STATION 256+50 TO 263+00

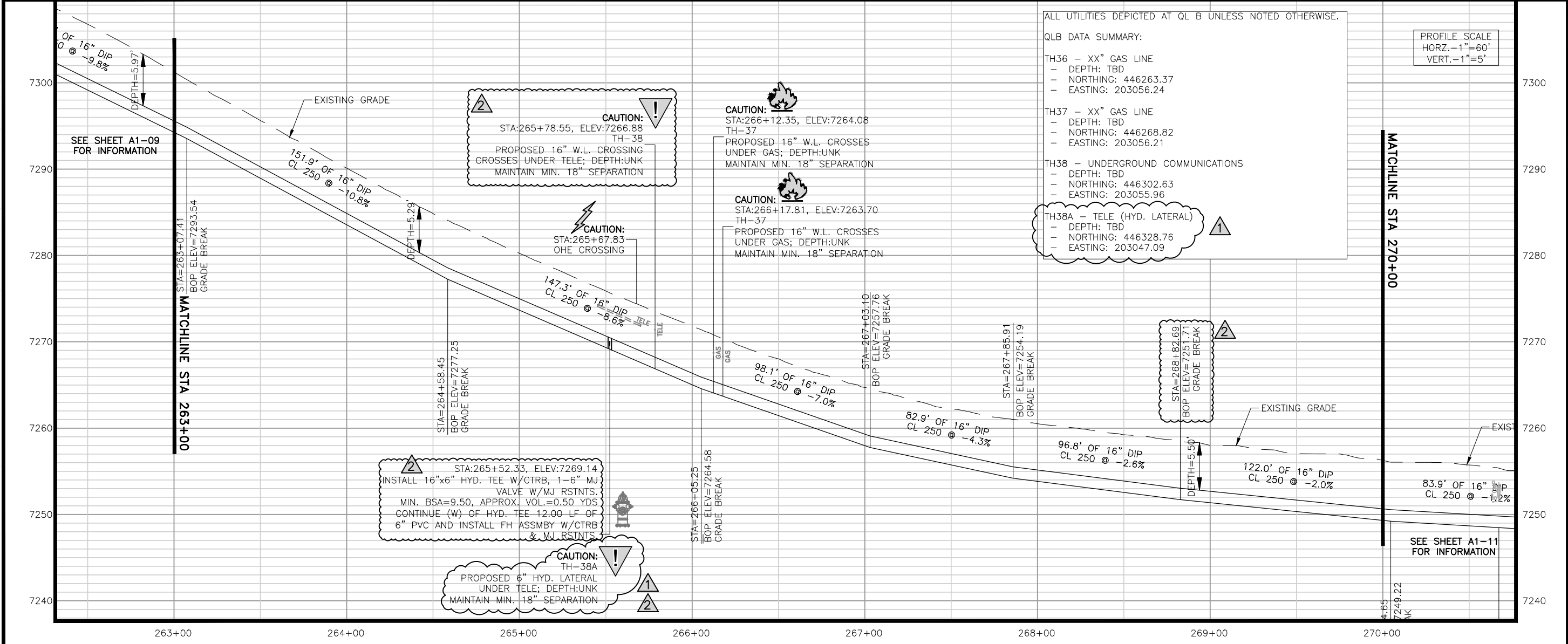
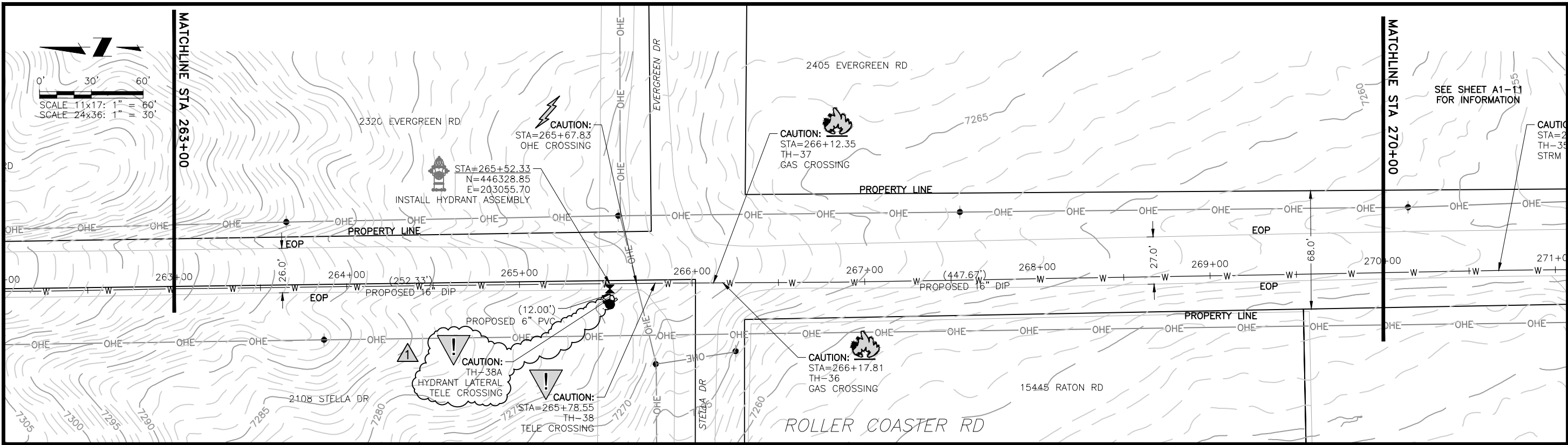
NO.	DESCRIPTION	BY	APP.	DATE
1				
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A1-09
 SHEET ---OF---

2023/02/01 8:46 AM By: Shelby Heule NA:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Bpittist - Roller Coaster\22429_Seg_A1_North.dwg



ALL UTILITIES DEPICTED AT QL B UNLESS NOTED OTHERWISE.

QLB DATA SUMMARY:

TH36 - XX" GAS LINE
 - DEPTH: TBD
 - NORTHING: 446263.37
 - EASTING: 203056.24

TH37 - XX" GAS LINE
 - DEPTH: TBD
 - NORTHING: 446268.82
 - EASTING: 203056.21

TH38 - UNDERGROUND COMMUNICATIONS
 - DEPTH: TBD
 - NORTHING: 446302.63
 - EASTING: 203055.96

TH38A - TELE (HYD. LATERAL)
 - DEPTH: TBD
 - NORTHING: 446328.76
 - EASTING: 203047.09

PROFILE SCALE
 HORZ. - 1"=60'
 VERT. - 1"=5'

JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A1 - PLAN AND PROFILE
 STATION 263+00 TO 270+00

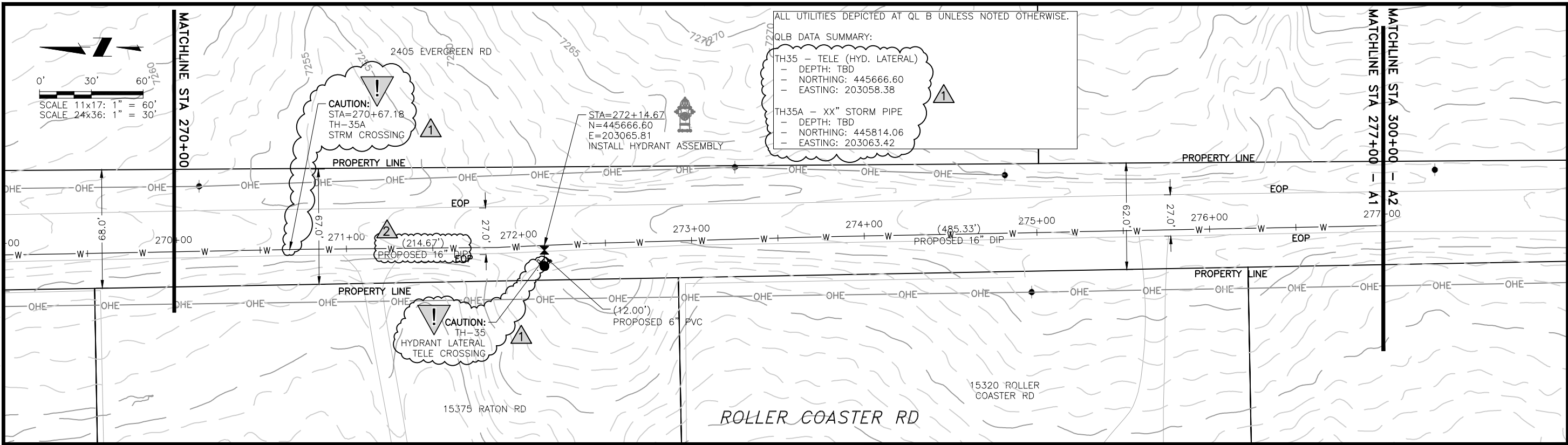
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/25/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A1-10
 SHEET ---OF

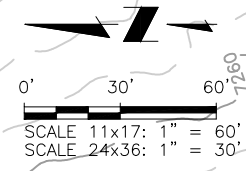
2023/02/01 8:47 AM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_Seg_A1_North.dwg



ALL UTILITIES DEPICTED AT QL B UNLESS NOTED OTHERWISE.

QLB DATA SUMMARY:
 TH35 - TELE (HYD. LATERAL)
 - DEPTH: TBD
 - NORTHING: 445666.60
 - EASTING: 203058.38

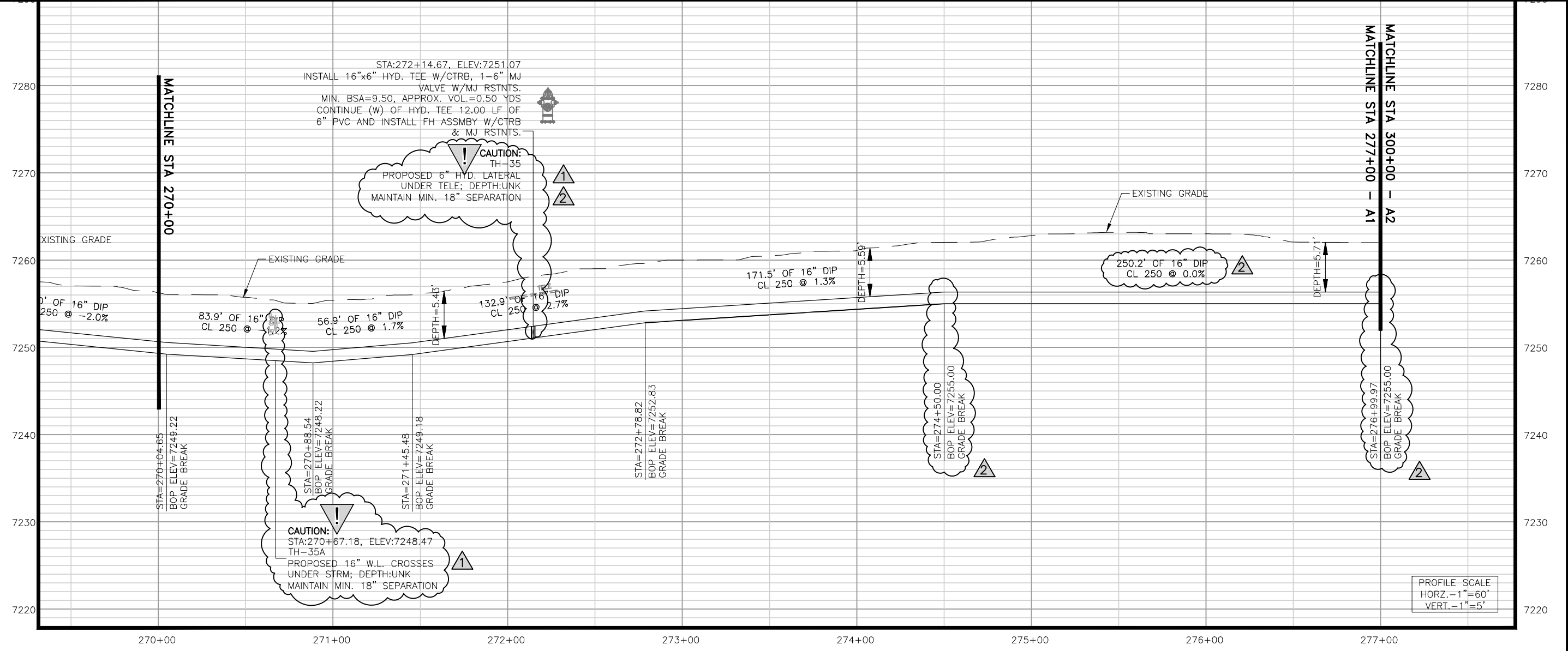
TH35A - XX" STORM PIPE
 - DEPTH: TBD
 - NORTHING: 445814.06
 - EASTING: 203063.42



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A1 - PLAN AND PROFILE
 STATION 270+00 277+00



NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/25/23
3				
4				
5				
6				
7				

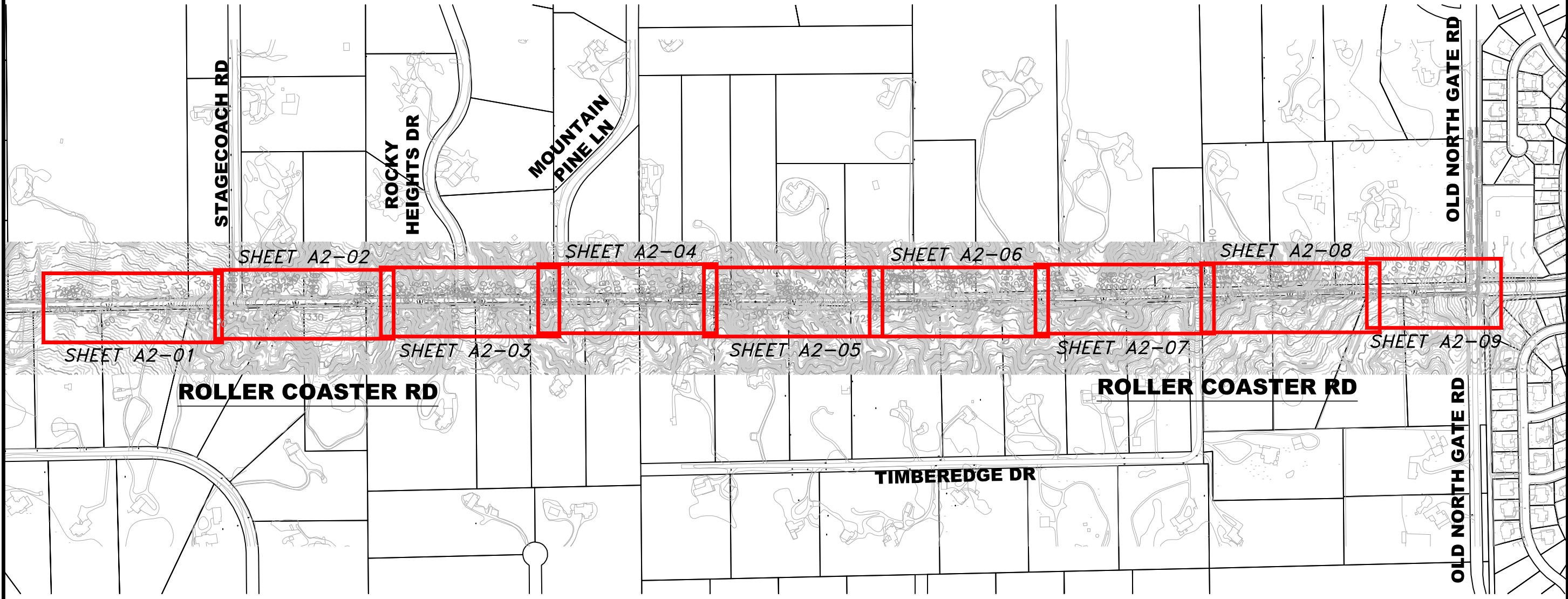
95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A1-11
 SHEET ---OF

PROFILE SCALE
 HORZ. - 1"=60'
 VERT. - 1"=5'

2023/02/01 8:48 AM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_A2_South.dwg



JDS-HYDRO a Division of **RESPEC**
5540 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072
DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM
SEGMENT A2 KEY MAP

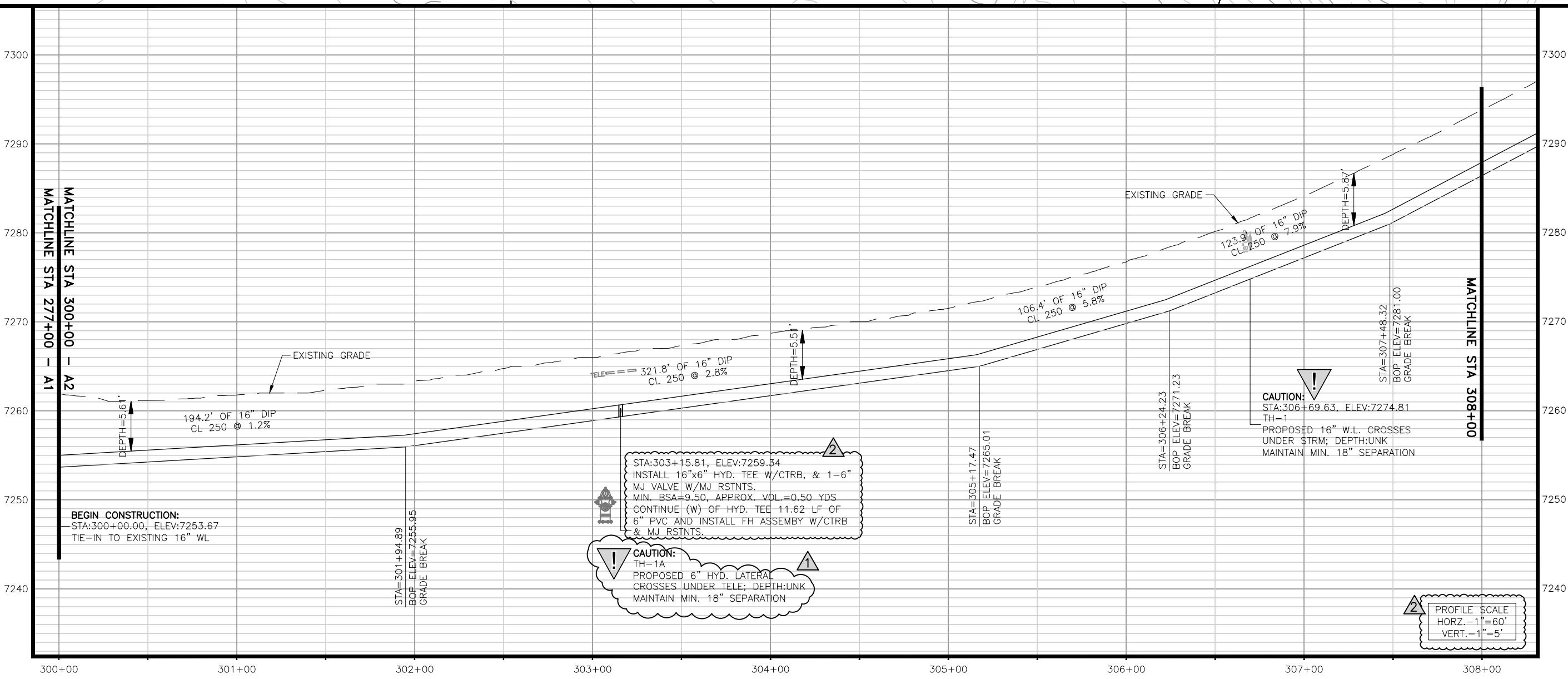
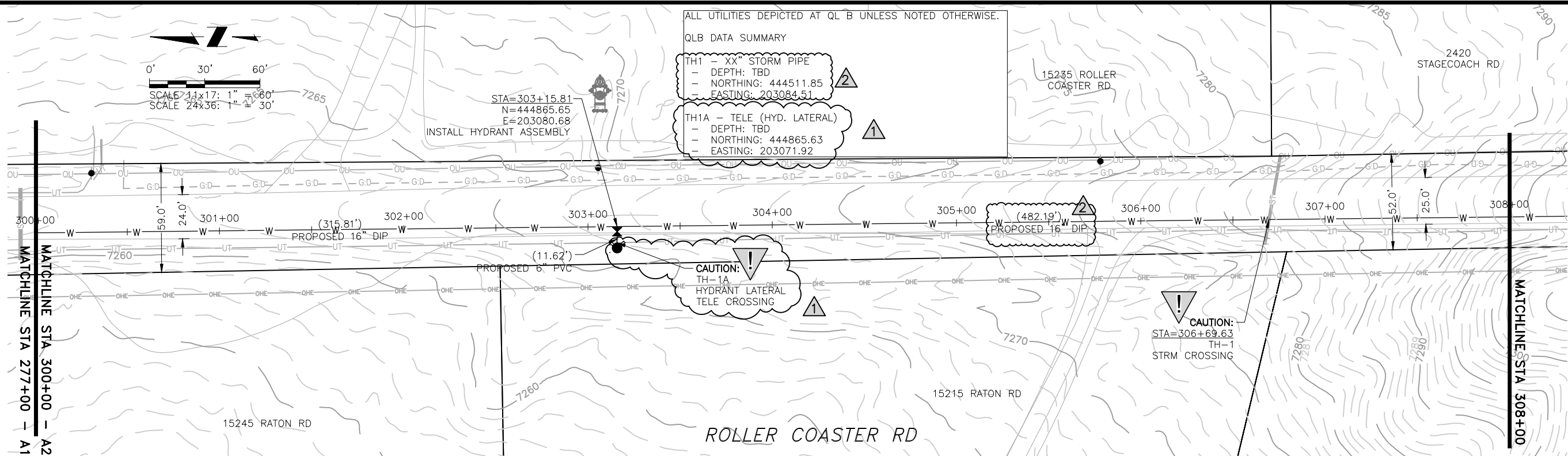
NO.	DESCRIPTION	BY	APP.	DATE
1				
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
Date: 06/03/22
Design: GJD
Drawn: JLB
Check: MLD

A2-00
SHEET ----OF

2023/02/02 2:29 PM By: Shelby Heule NA:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Bpittist - Roller Coaster\22429_A2_South.dwg



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A2 - PLAN AND PROFILE
 STATION 300+00 TO 308+00

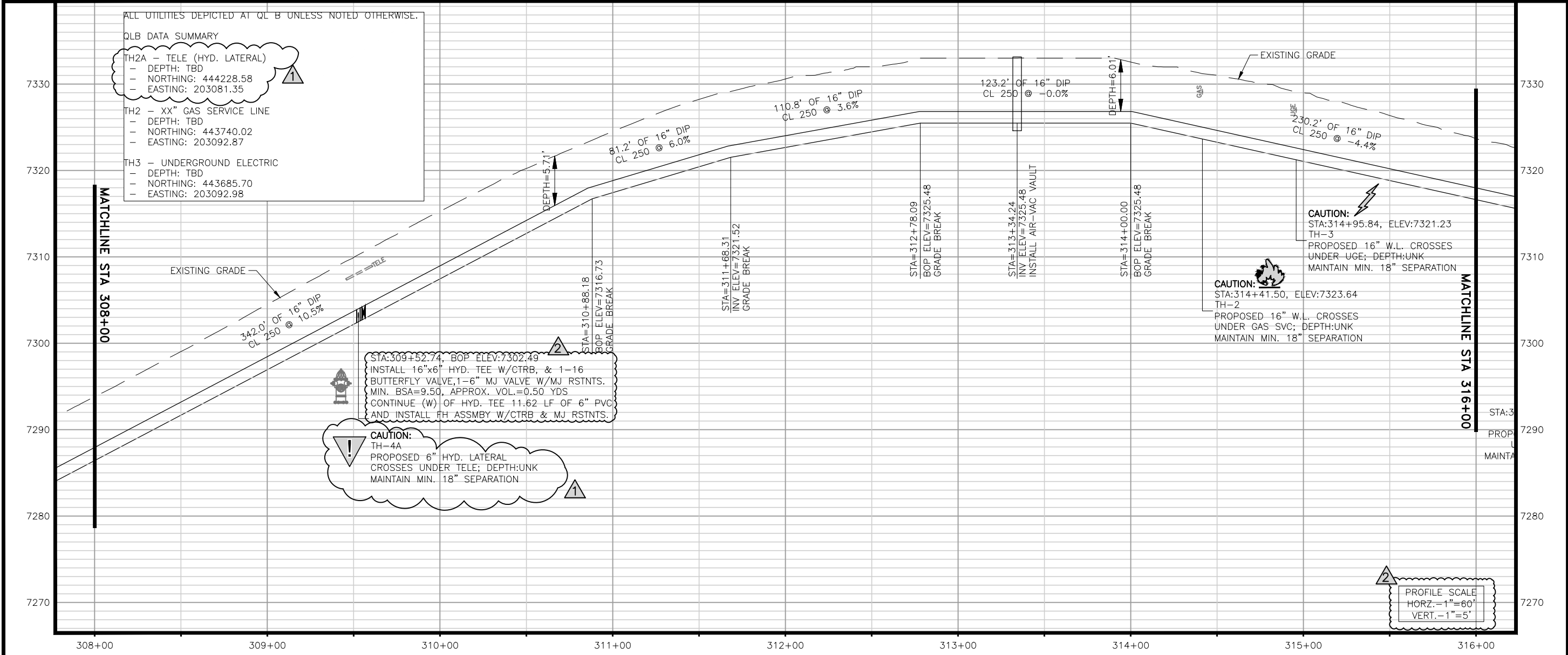
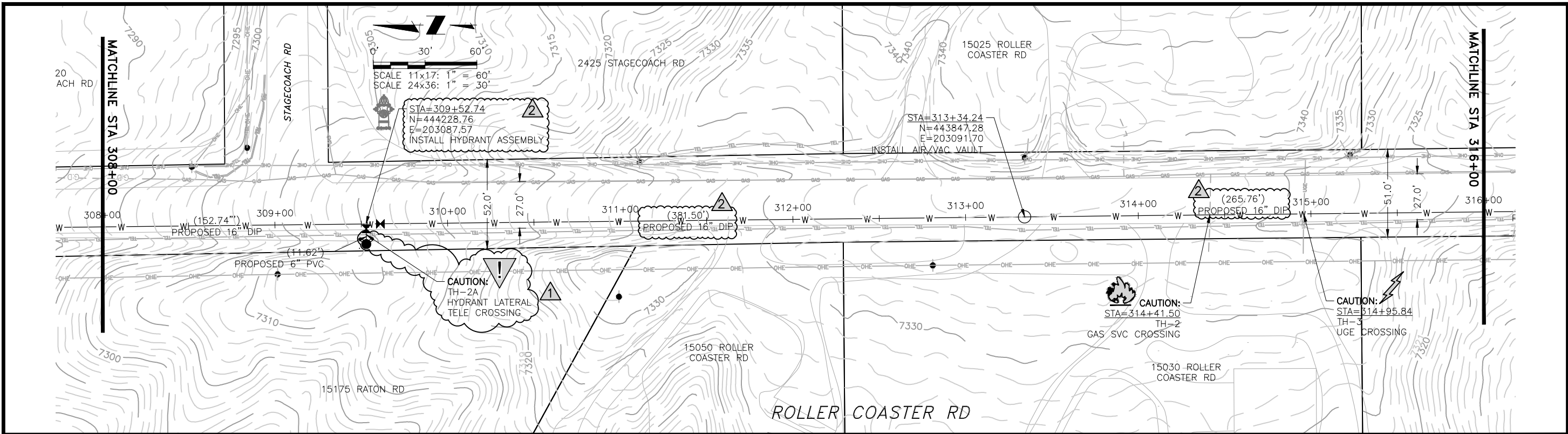
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A2-01
 SHEET ---OF

2023/02/01 9:24 AM By: Shelby Heule NA\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_A2_South.dwg



JDS-HYDRO a Division of **RESPEC**
5540 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM
SEGMENT A2 - PLAN AND PROFILE
STATION 308+00 TO 316+00

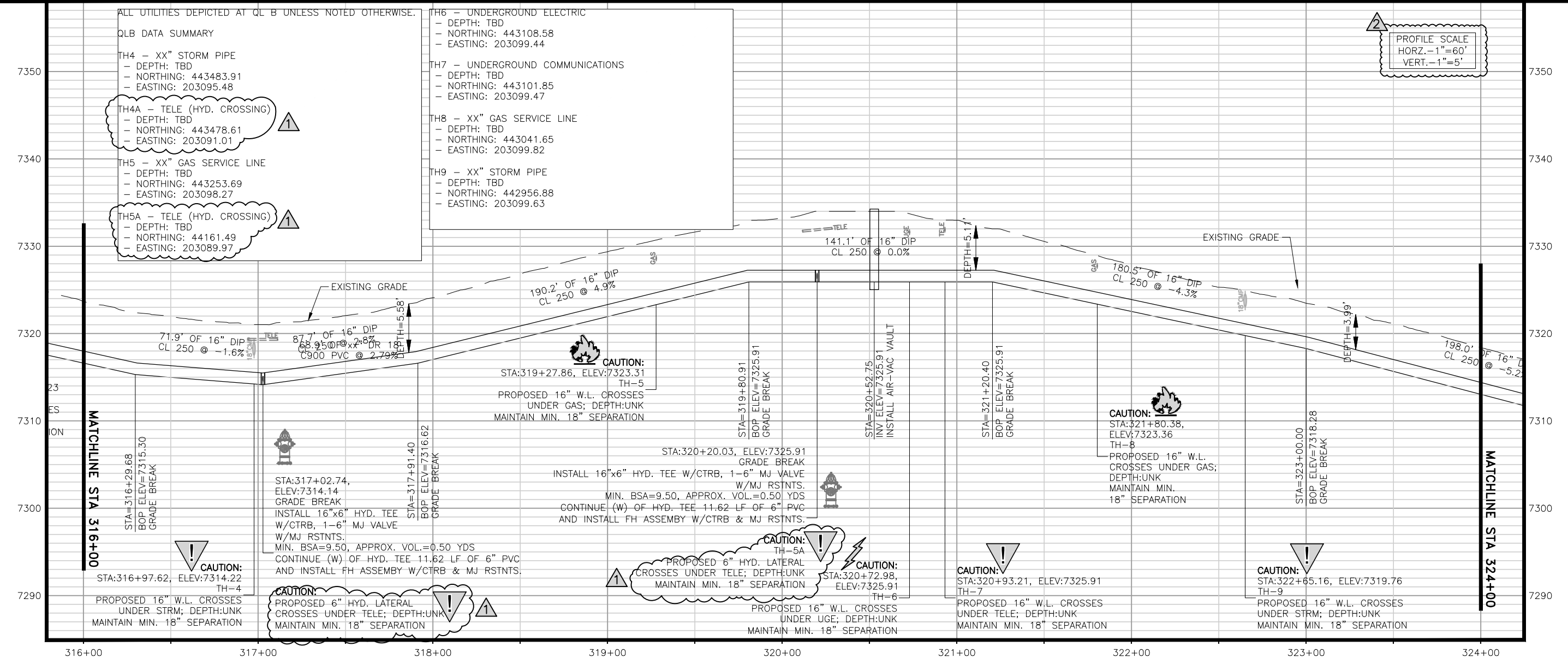
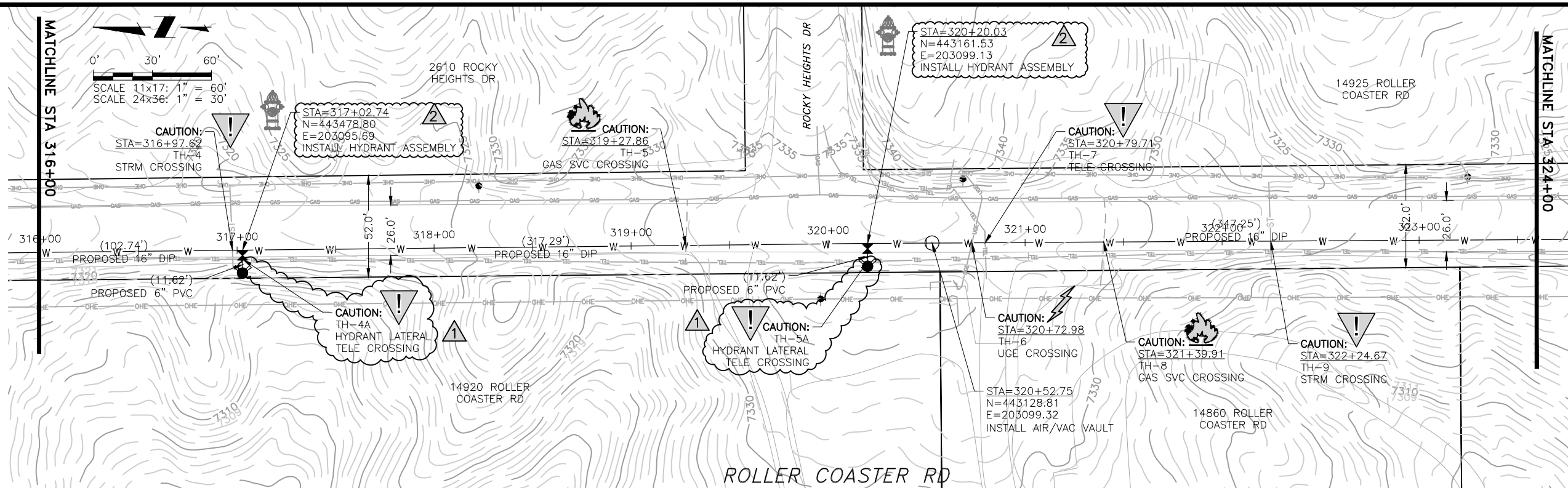
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
Date: 06/03/22
Design: MLD
Drawn: SNW
Check: MLD

A2-02
SHEET ---OF

2023/02/01 8:49 AM By: Shelby Heule NA:Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_A2_South.dwg



ALL UTILITIES DEPICTED AT QL B UNLESS NOTED OTHERWISE.

QLB DATA SUMMARY

TH4 - XX" STORM PIPE
- DEPTH: TBD
- NORTHING: 443483.91
- EASTING: 203095.48

TH4A - TELE (HYD. CROSSING)
- DEPTH: TBD
- NORTHING: 443478.61
- EASTING: 203091.01

TH5 - XX" GAS SERVICE LINE
- DEPTH: TBD
- NORTHING: 443253.69
- EASTING: 203098.27

TH5A - TELE (HYD. CROSSING)
- DEPTH: TBD
- NORTHING: 44161.49
- EASTING: 203089.97

TH6 - UNDERGROUND ELECTRIC
- DEPTH: TBD
- NORTHING: 443108.58
- EASTING: 203099.44

TH7 - UNDERGROUND COMMUNICATIONS
- DEPTH: TBD
- NORTHING: 443101.85
- EASTING: 203099.47

TH8 - XX" GAS SERVICE LINE
- DEPTH: TBD
- NORTHING: 443041.65
- EASTING: 203099.82

TH9 - XX" STORM PIPE
- DEPTH: TBD
- NORTHING: 442956.88
- EASTING: 203099.63

JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A2 - PLAN AND PROFILE
 STATION 316+00 TO 324+00

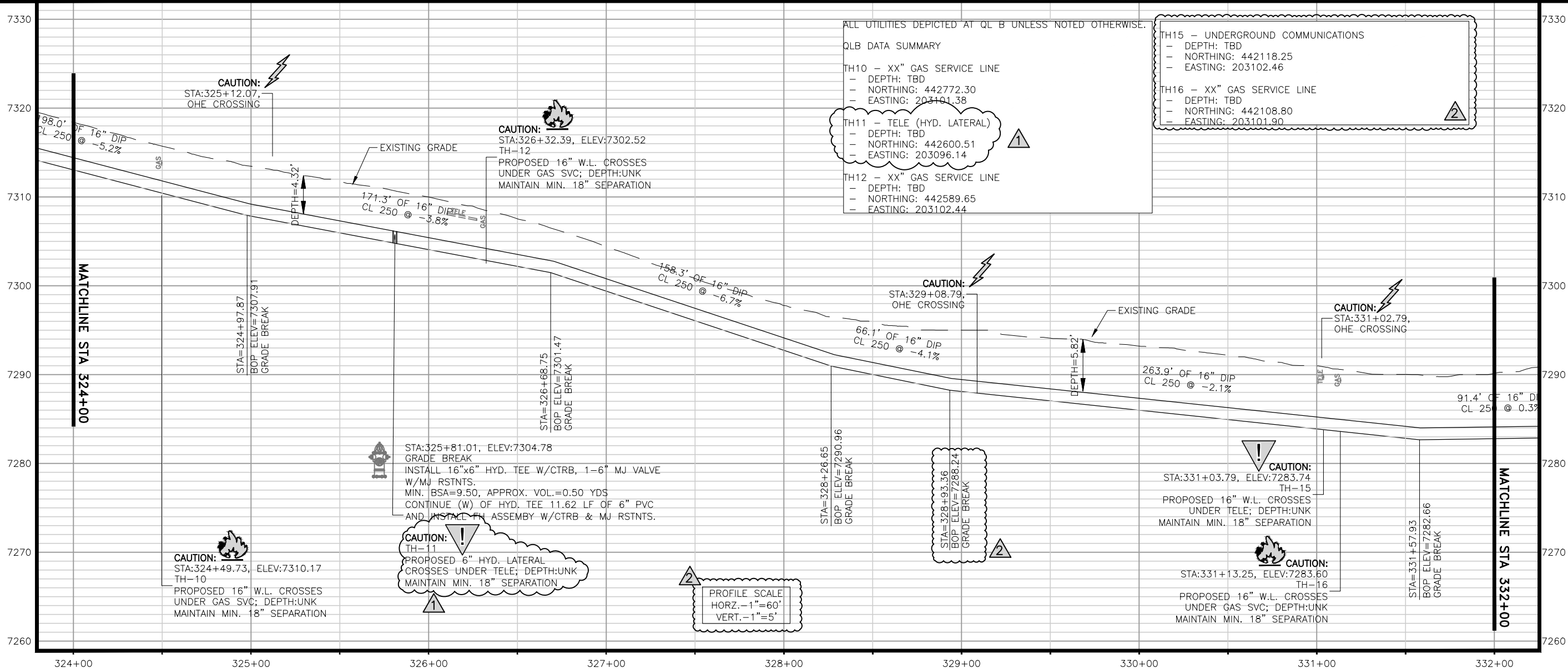
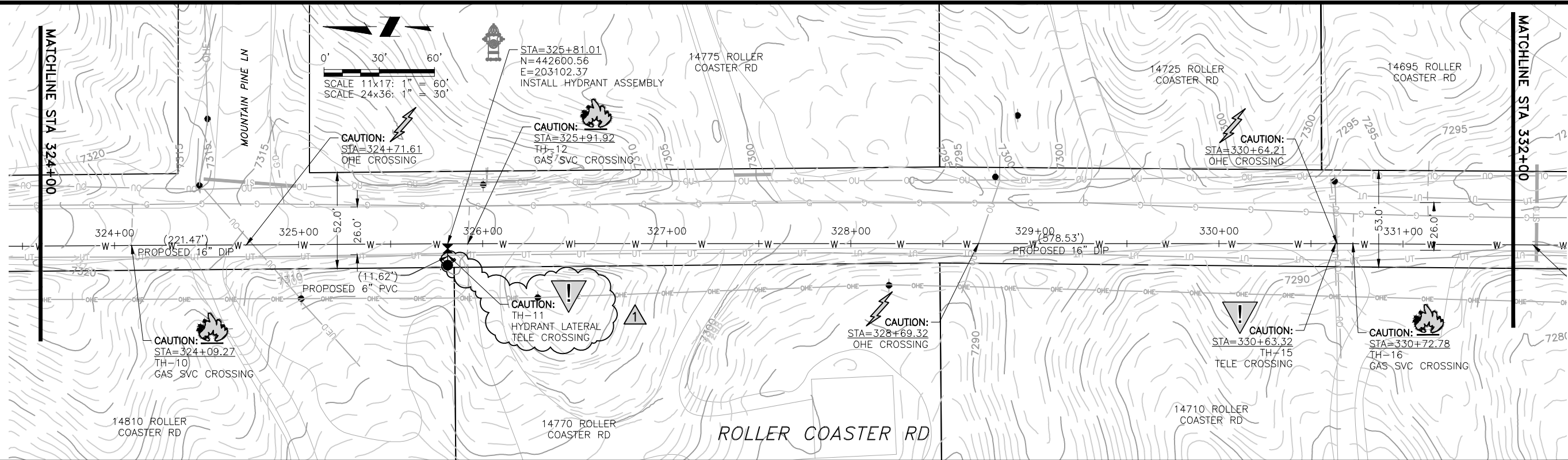
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A2-03
 SHEET ---OF---

2023/02/02 2:37 PM By: Shelby Heule NA:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_A2_South.dwg



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A2 - PLAN AND PROFILE
 STATION 324+00 TO 332+00

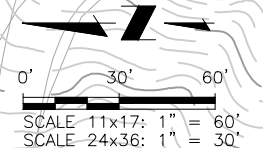
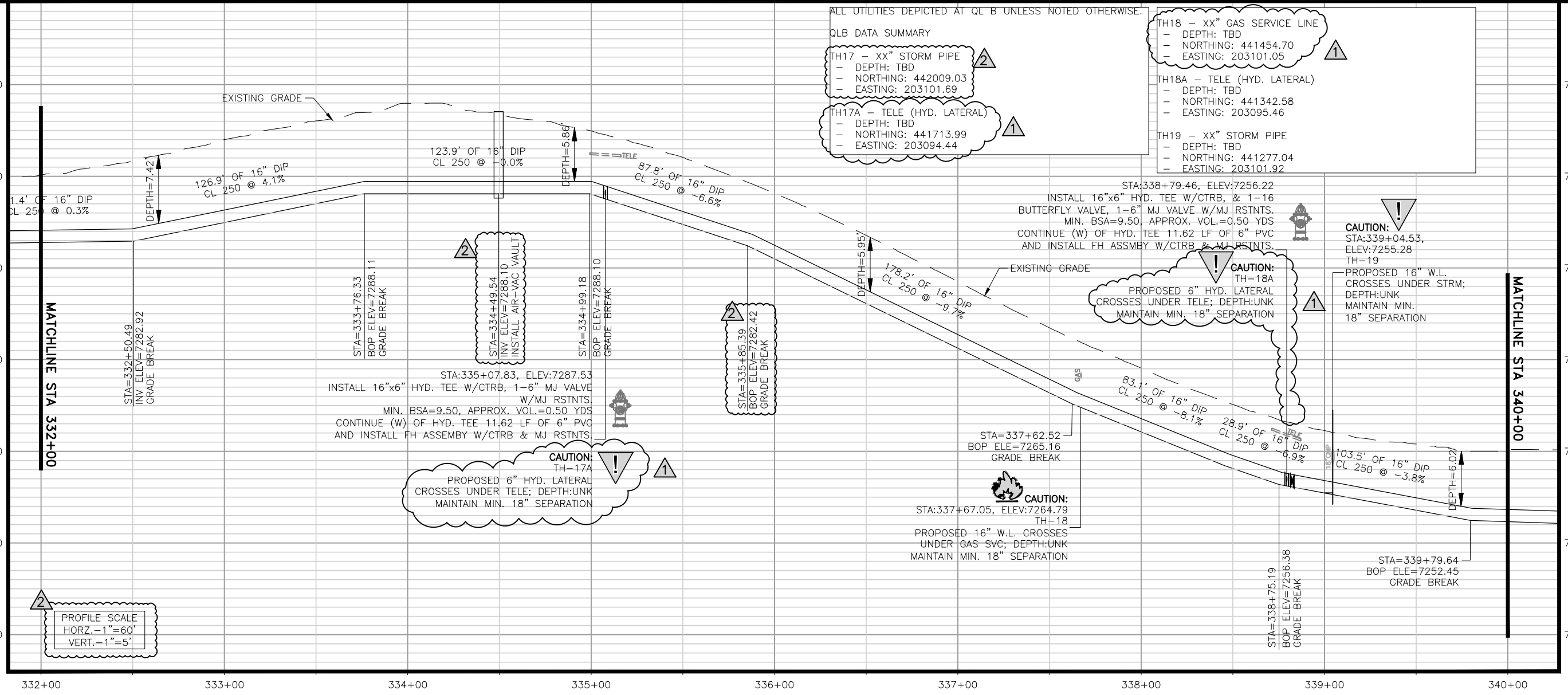
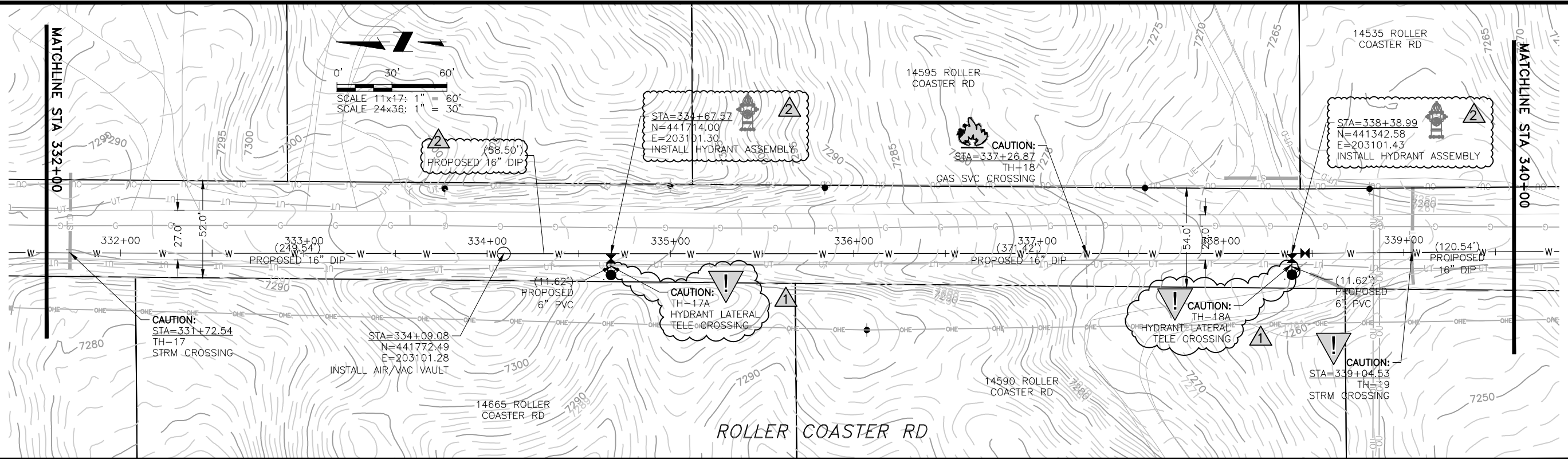
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A2-04
 SHEET ---OF

2023/02/02 2:47 PM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_A2_South.dwg



STA=332+67.57
N=441714.00
E=203101.30
INSTALL HYDRANT ASSEMBLY

STA=338+38.99
N=441342.58
E=203101.43
INSTALL HYDRANT ASSEMBLY

CAUTION:
STA=331+72.54
TH-17
STRM CROSSING

STA=334+09.08
N=441772.49
E=203101.28
INSTALL AIR/VAC VAULT

CAUTION:
TH-17A
HYDRANT LATERAL
TELE CROSSING

CAUTION:
TH-18A
HYDRANT LATERAL
TELE CROSSING

CAUTION:
STA=339+04.53
TH-19
STRM CROSSING

ALL UTILITIES DEPICTED AT QLB UNLESS NOTED OTHERWISE.
QLB DATA SUMMARY
TH17 - XX" STORM PIPE
- DEPTH: TBD
- NORTHING: 442009.03
- EASTING: 203101.69
TH17A - TELE (HYD. LATERAL)
- DEPTH: TBD
- NORTHING: 441713.99
- EASTING: 203094.44
TH18 - XX" GAS SERVICE LINE
- DEPTH: TBD
- NORTHING: 441454.70
- EASTING: 203101.05
TH18A - TELE (HYD. LATERAL)
- DEPTH: TBD
- NORTHING: 441342.58
- EASTING: 203095.46
TH19 - XX" STORM PIPE
- DEPTH: TBD
- NORTHING: 441277.04
- EASTING: 203101.92

STA:338+79.46, ELEV:7256.22
INSTALL 16"x6" HYD. TEE W/CTRB, & 1-16 BUTTERFLY VALVE, 1-6" MJ VALVE W/MJ RSTNTS. MIN. BSA=9.50, APPROX. VOL.=0.50 YDS CONTINUE (W) OF HYD. TEE 11.62 LF OF 6" PVC AND INSTALL FH ASSMBY W/CTRB & MJ RSTNTS.
CAUTION:
TH-18A
PROPOSED 6" HYD. LATERAL CROSSES UNDER TELE; DEPTH:UNK MAINTAIN MIN. 18" SEPARATION
CAUTION:
STA:339+04.53, ELEV:7255.28 TH-19
PROPOSED 16" W.L. CROSSES UNDER STRM; DEPTH:UNK MAINTAIN MIN. 18" SEPARATION

STA:335+07.83, ELEV:7287.53
INSTALL 16"x6" HYD. TEE W/CTRB, 1-6" MJ VALVE W/MJ RSTNTS. MIN. BSA=9.50, APPROX. VOL.=0.50 YDS CONTINUE (W) OF HYD. TEE 11.62 LF OF 6" PVC AND INSTALL FH ASSMBY W/CTRB & MJ RSTNTS.
CAUTION:
TH-17A
PROPOSED 6" HYD. LATERAL CROSSES UNDER TELE; DEPTH:UNK MAINTAIN MIN. 18" SEPARATION

STA=337+62.52
BOP ELE=7265.16
GRADE BREAK
CAUTION:
TH-18
PROPOSED 16" W.L. CROSSES UNDER GAS SVC; DEPTH:UNK MAINTAIN MIN. 18" SEPARATION

STA=339+79.64
BOP ELE=7252.45
GRADE BREAK

PROFILE SCALE
HORZ. - 1"=60'
VERT. - 1"=5'

JDS-HYDRO a Division of **RESPEC**
5540 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072
DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO. A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM
SEGMENT A2 - PLAN AND PROFILE
STATION 332+00 TO 340+00

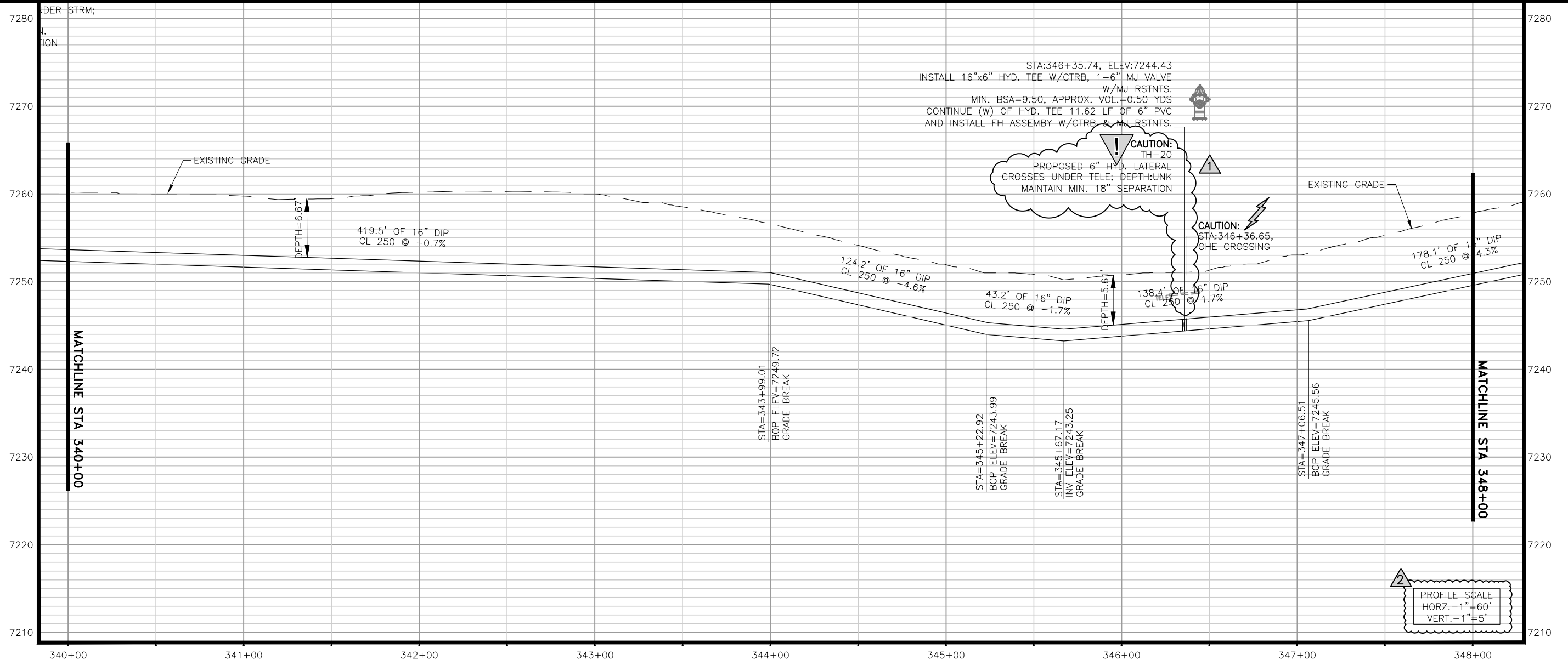
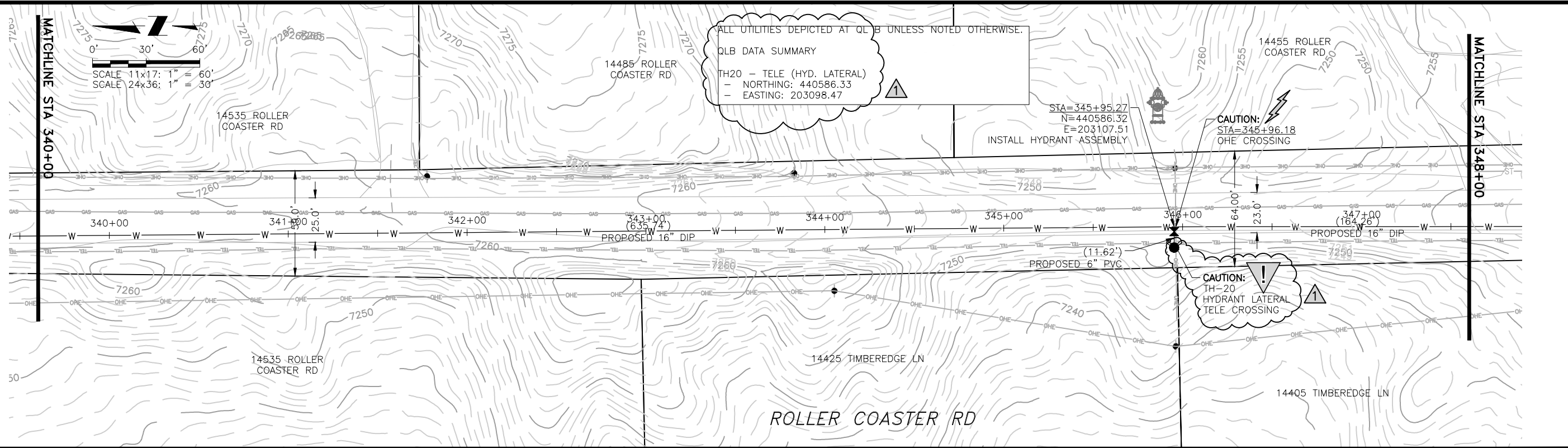
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
Date: 06/03/22
Design: MLD
Drawn: SNW
Check: MLD

A2-05
SHEET ---OF---

2023/02/01 8:51 AM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_A2_South.dwg



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A2 - PLAN AND PROFILE
 STATION 340+00 TO 348+00

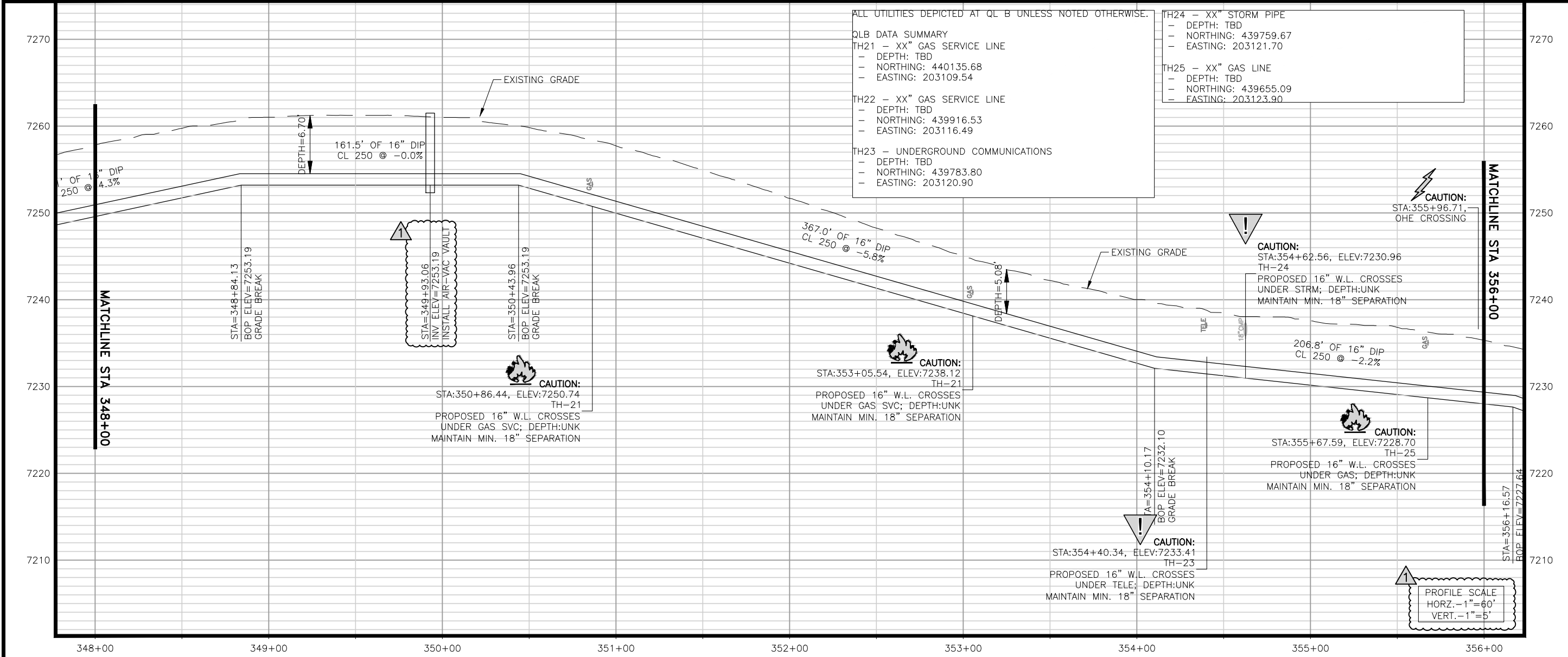
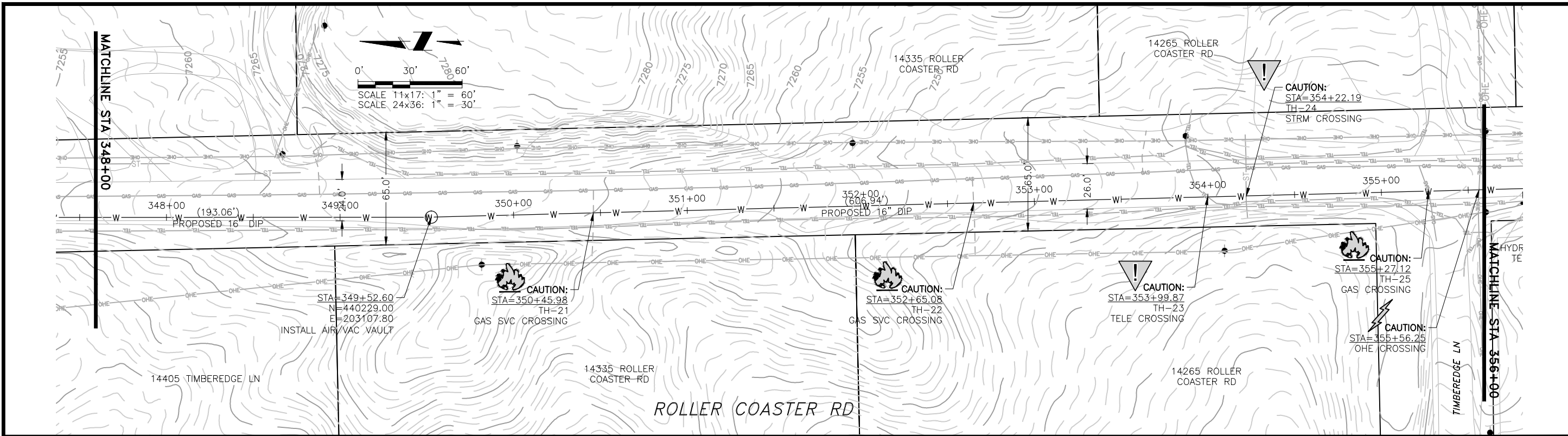
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A2-06
 SHEET ---OF---

2023/02/01 8:51 AM By: Shelby Heule NA:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Bpittist - Roller Coaster\22429_A2_South.dwg



JDS-HYDRO a Division of **RESPEC**
5540 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM
SEGMENT A2 - PLAN AND PROFILE
STATION 348+00 TO 356+00

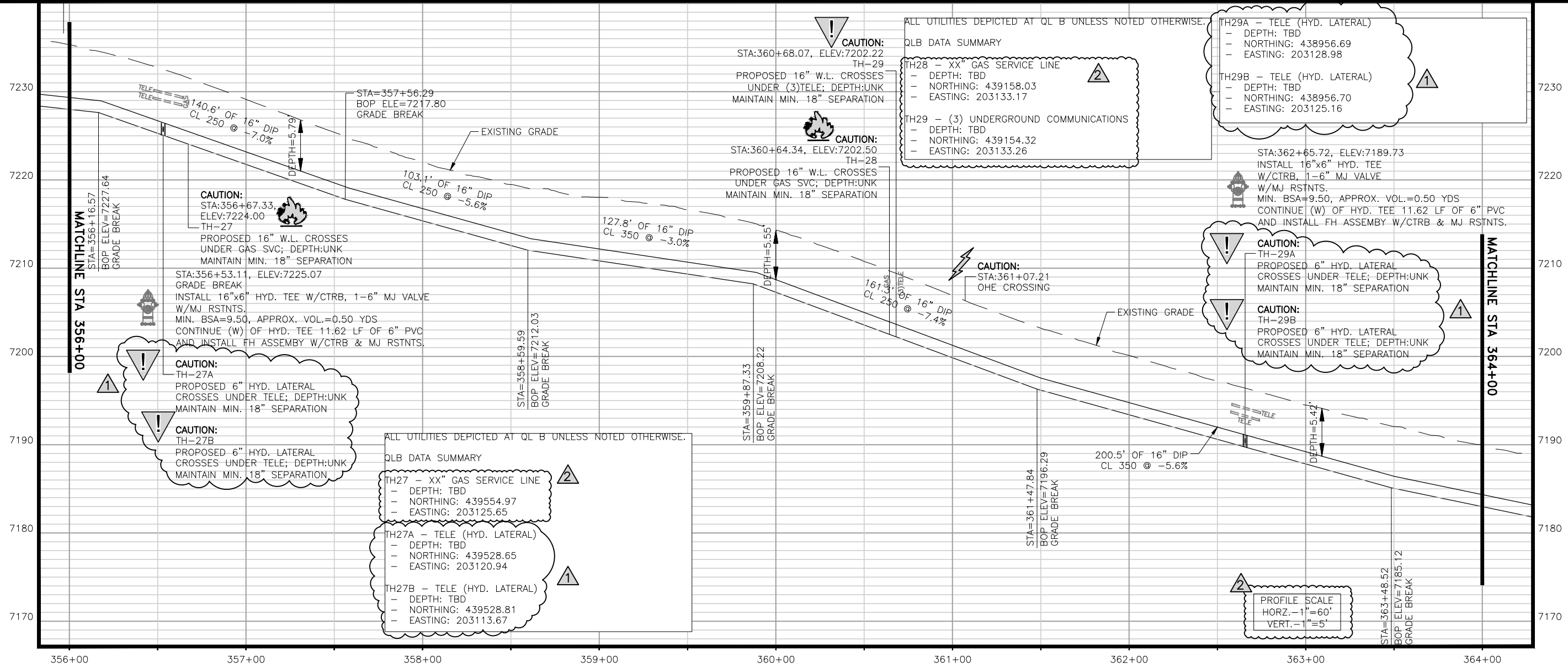
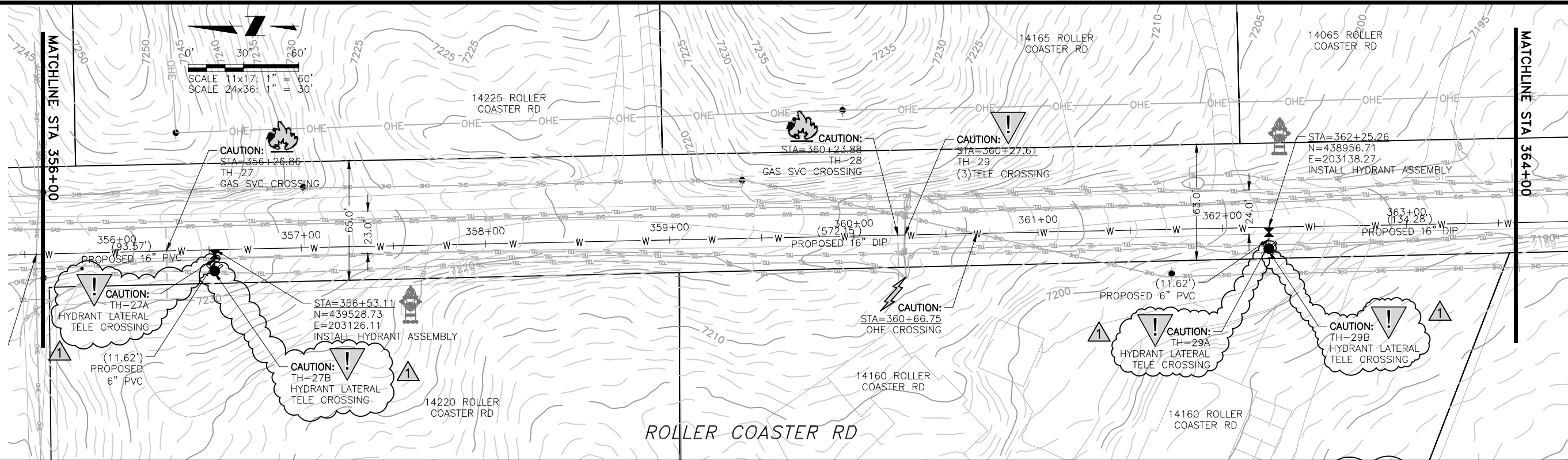
REVISIONS			
NO.	DESCRIPTION	BY	DATE
1	REVISIONS 2	SNH	MLD 01/26/23
2			
3			
4			
5			
6			
7			

95% DESIGN

Project No.: 224.29
Date: 06/03/22
Design: MLD
Drawn: SNW
Check: MLD

A2-07
SHEET ---OF---

2023/02/01 8:52 AM By: Shelby Heule NA:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_A2_South.dwg



ALL UTILITIES DEPICTED AT QLB UNLESS NOTED OTHERWISE.

QLB DATA SUMMARY

TH28 - XX" GAS SERVICE LINE	- DEPTH: TBD	- NORTHING: 439158.03	- EASTING: 203133.17
TH29 - (3) UNDERGROUND COMMUNICATIONS	- DEPTH: TBD	- NORTHING: 439154.32	- EASTING: 203133.26

TH29A - TELE (HYD. LATERAL)

- DEPTH: TBD
- NORTHING: 438956.69
- EASTING: 203128.98

TH29B - TELE (HYD. LATERAL)

- DEPTH: TBD
- NORTHING: 438956.70
- EASTING: 203125.16

STA:362+65.72, ELEV:7189.73
 INSTALL 16"x6" HYD. TEE W/CTRB, 1-6" MJ VALVE W/MJ RSTNTS.
 MIN. BSA=9.50, APPROX. VOL.=0.50 YDS
 CONTINUE (W) OF HYD. TEE 11.62 LF OF 6" PVC AND INSTALL FH ASSEMBY W/CTRB & MJ RSTNTS.

JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

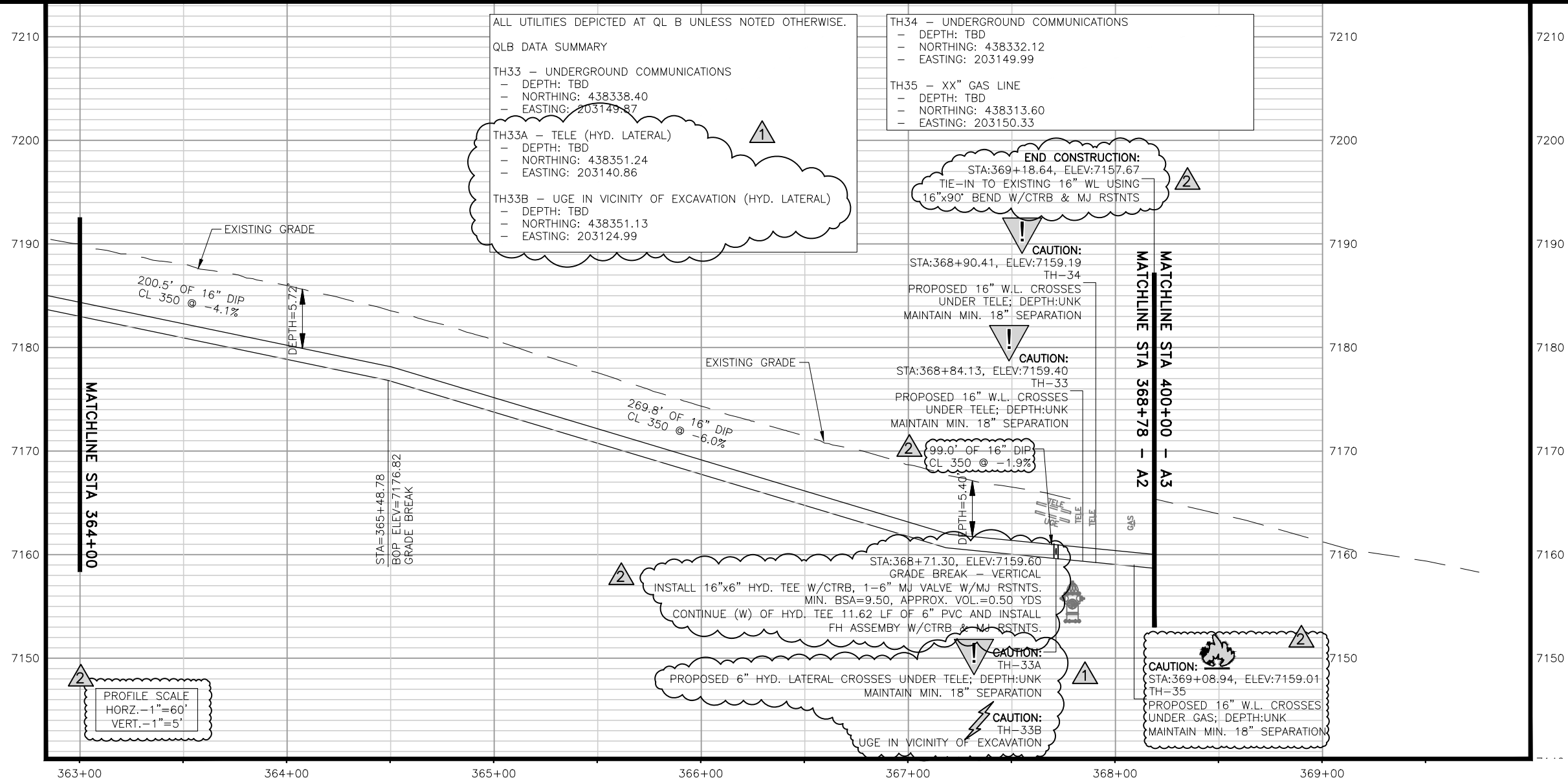
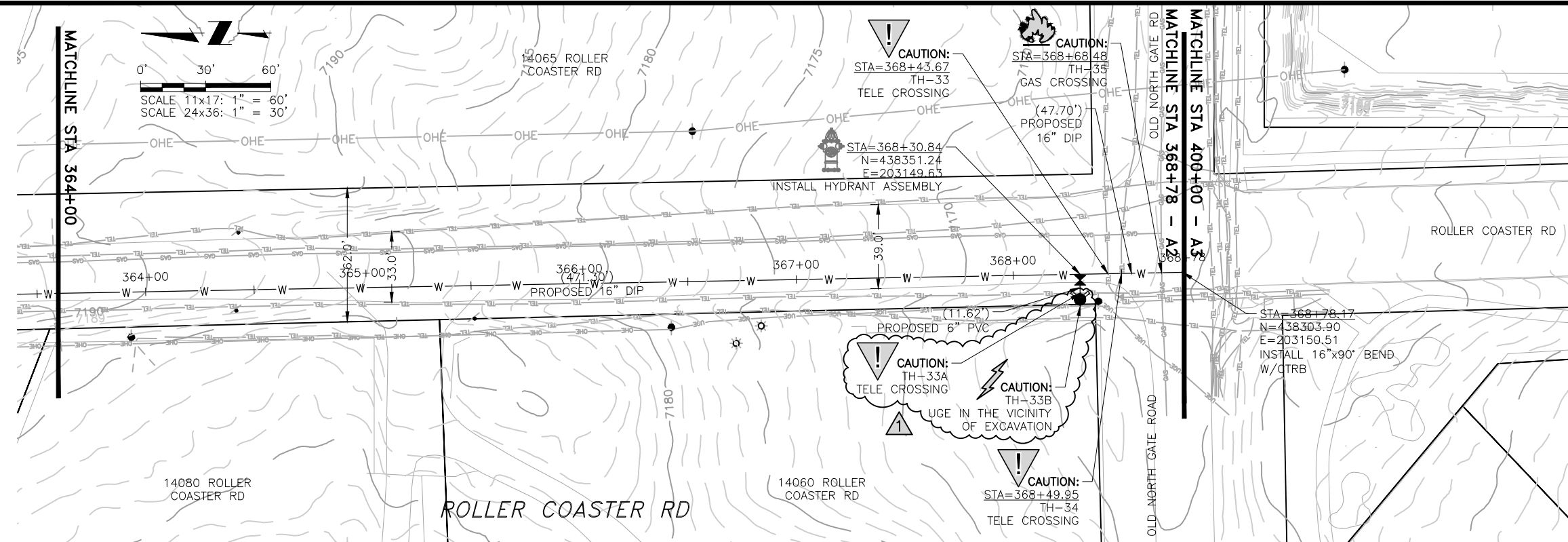
TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A2 - PLAN AND PROFILE
 STATION 356+00 TO 364+00

NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

95% DESIGN

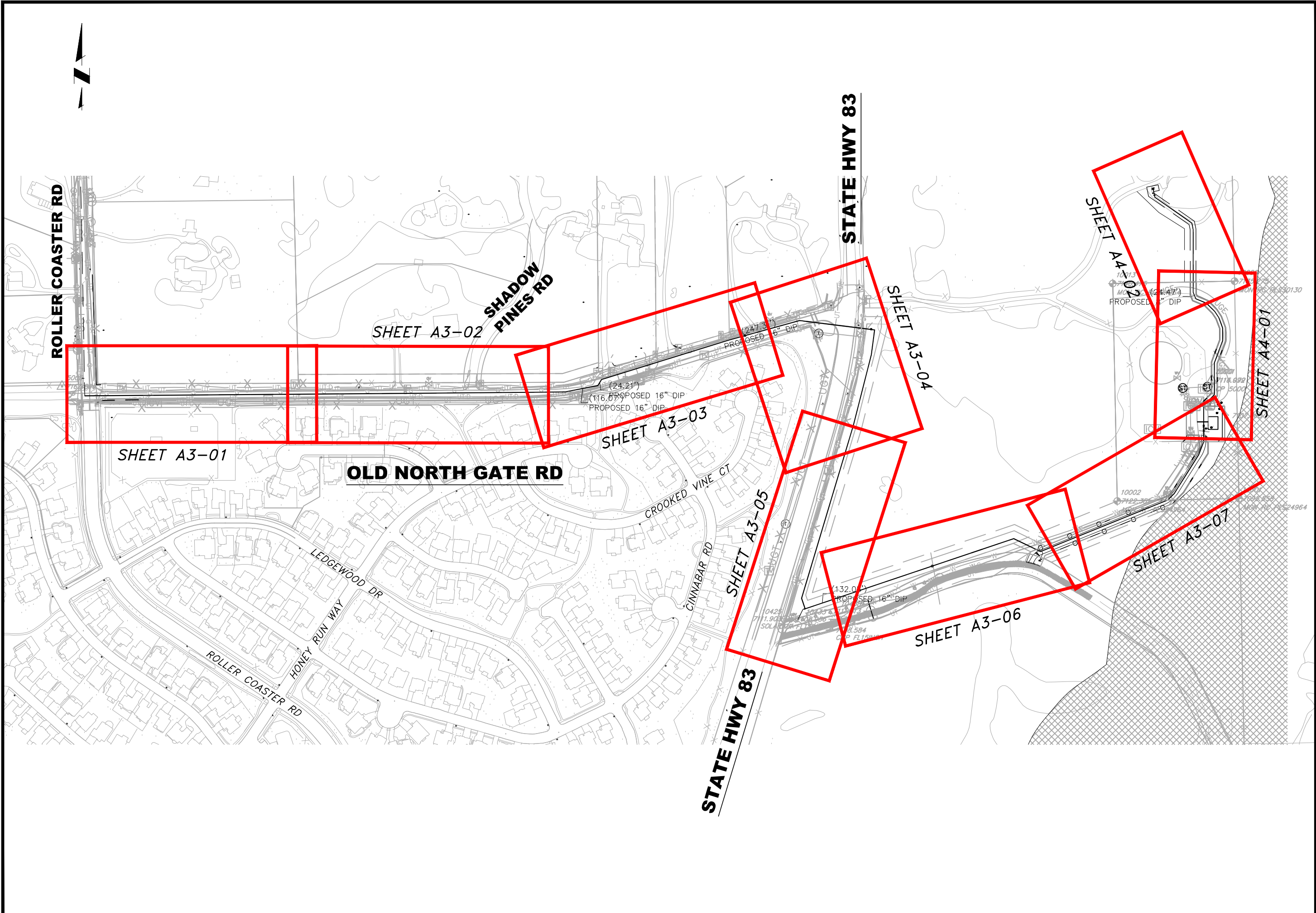
Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

2023/02/01 8:52 AM By: Shelby Heule NA:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_A2_South.dwg



NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

2023/02/01 10:25 AM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Hwy 83 & Old Northgate Pipeline\22429_Hwy83_Plan And Profile.dwg



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A3 KEY MAP

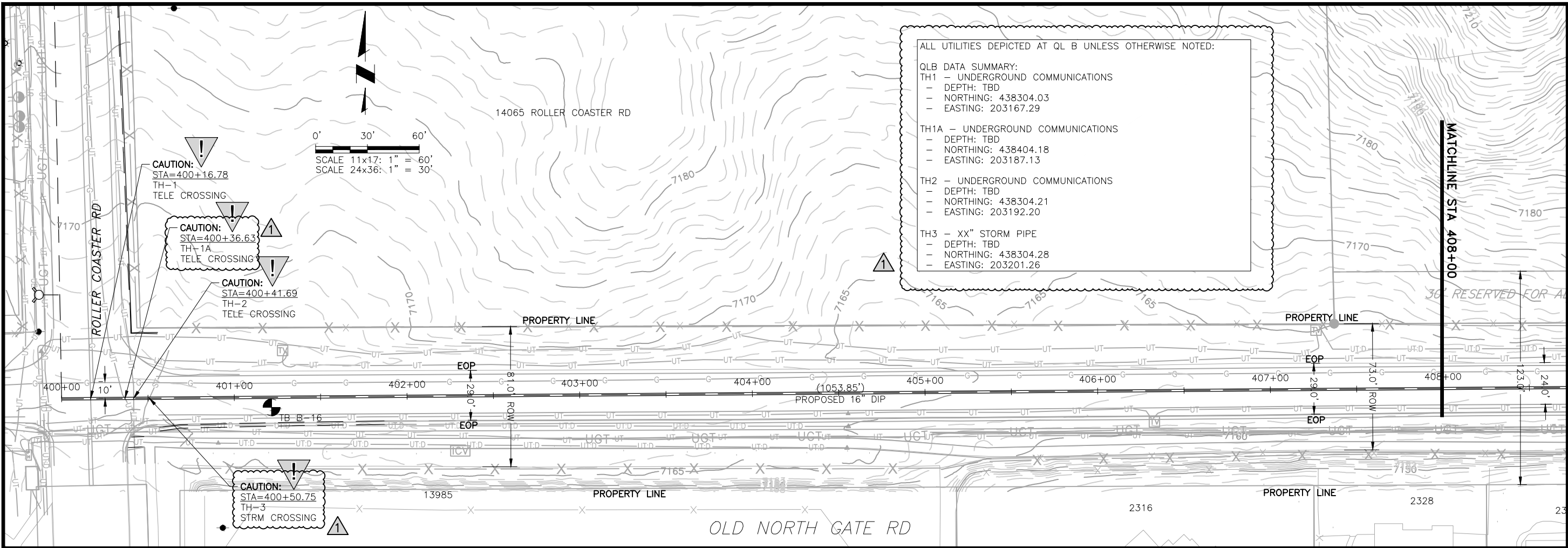
NO.	DESCRIPTION	BY	APP.	DATE
1				
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 05/31/22
 Design: GJD
 Drawn: JLB
 Check: MLD

A3-00
 SHEET --- OF ---

2023/02/02 12:18 PM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Hwy 83 & Old Northgate Pipeline\22429_Hwy83_Plan And Profile.dwg



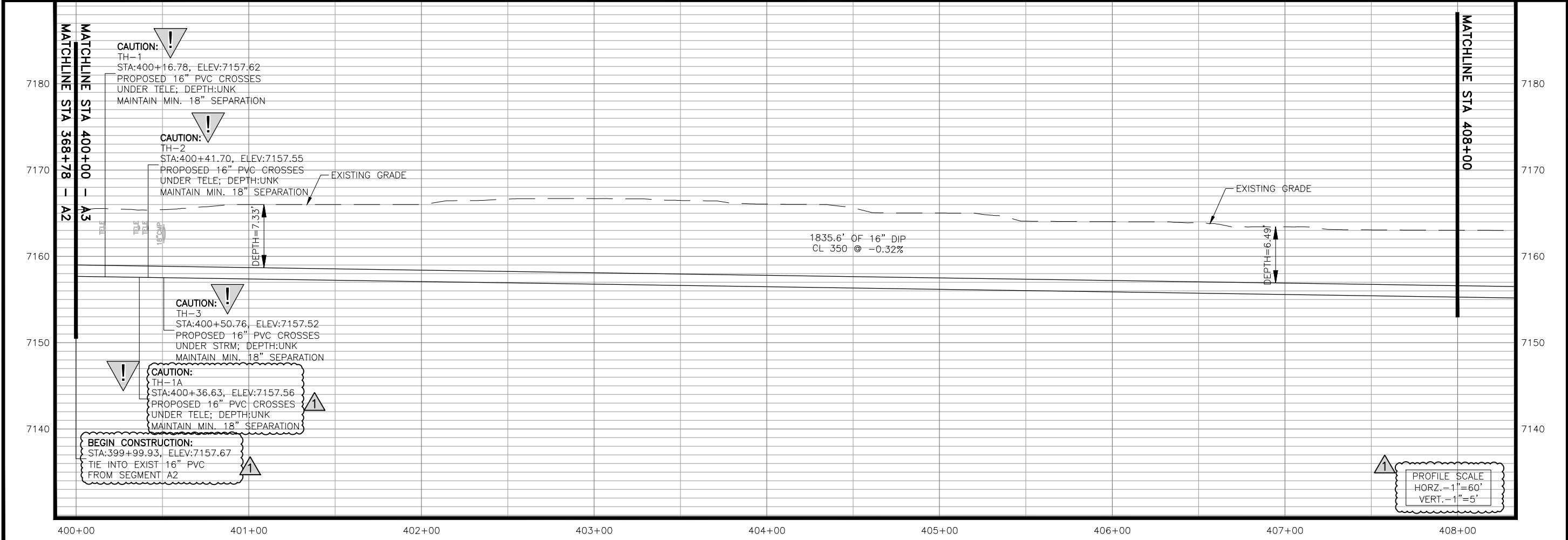
ALL UTILITIES DEPICTED AT QL B UNLESS OTHERWISE NOTED:

QLB DATA SUMMARY:
 TH1 - UNDERGROUND COMMUNICATIONS
 - DEPTH: TBD
 - NORTHING: 438304.03
 - EASTING: 203167.29

TH1A - UNDERGROUND COMMUNICATIONS
 - DEPTH: TBD
 - NORTHING: 438304.18
 - EASTING: 203187.13

TH2 - UNDERGROUND COMMUNICATIONS
 - DEPTH: TBD
 - NORTHING: 438304.21
 - EASTING: 203192.20

TH3 - XX" STORM PIPE
 - DEPTH: TBD
 - NORTHING: 438304.28
 - EASTING: 203201.26



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO. A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A3 PLAN AND PROFILE
 STATION 400+00 TO 408+00

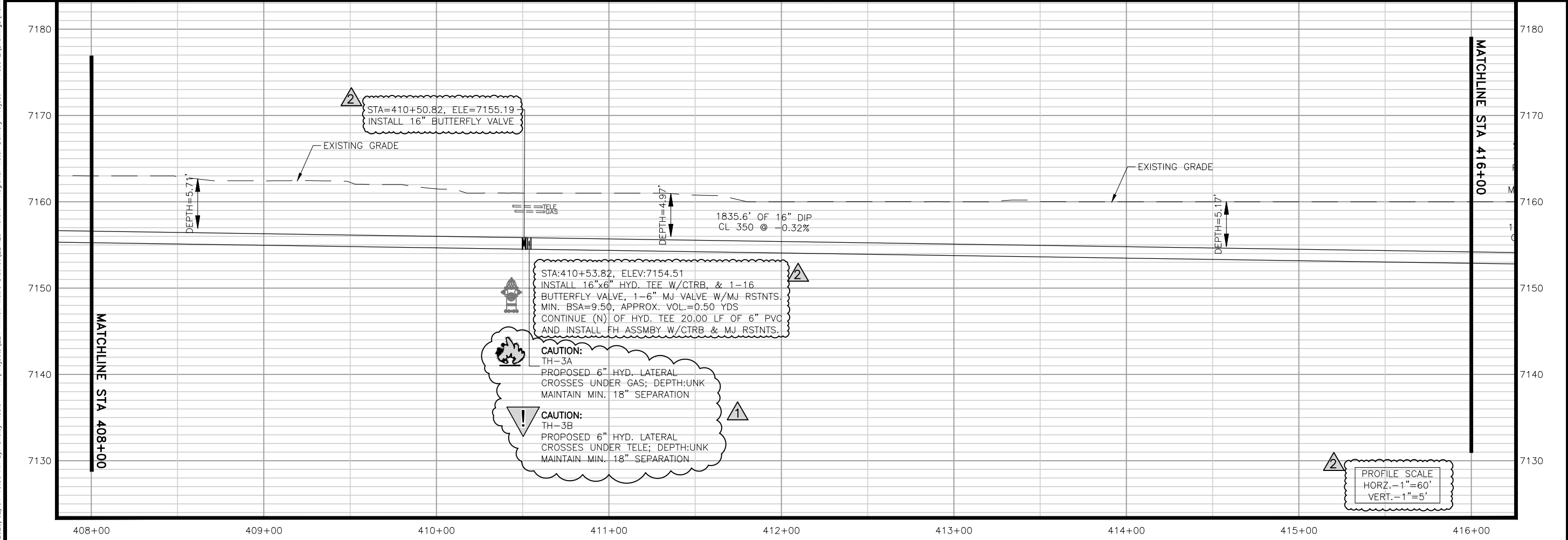
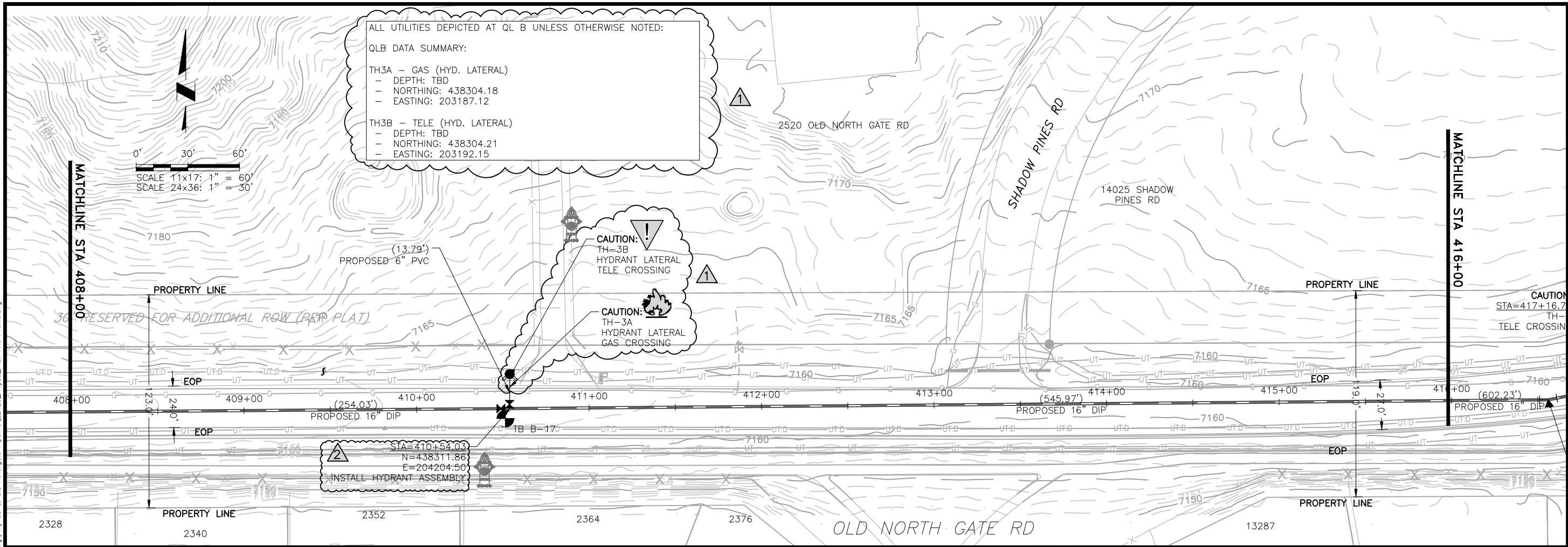
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 2	SNH	MLD	01/26/23
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 05/31/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A3-01
 SHEET ---OF---

2023/02/01 10:30 AM By: Shelby Heule NA\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Hwy 83 & Old Northgate Pipeline\22429_Hwy83_Plan And Profile.dwg



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A3 PLAN AND PROFILE
 STATION 408+00 TO 416+00

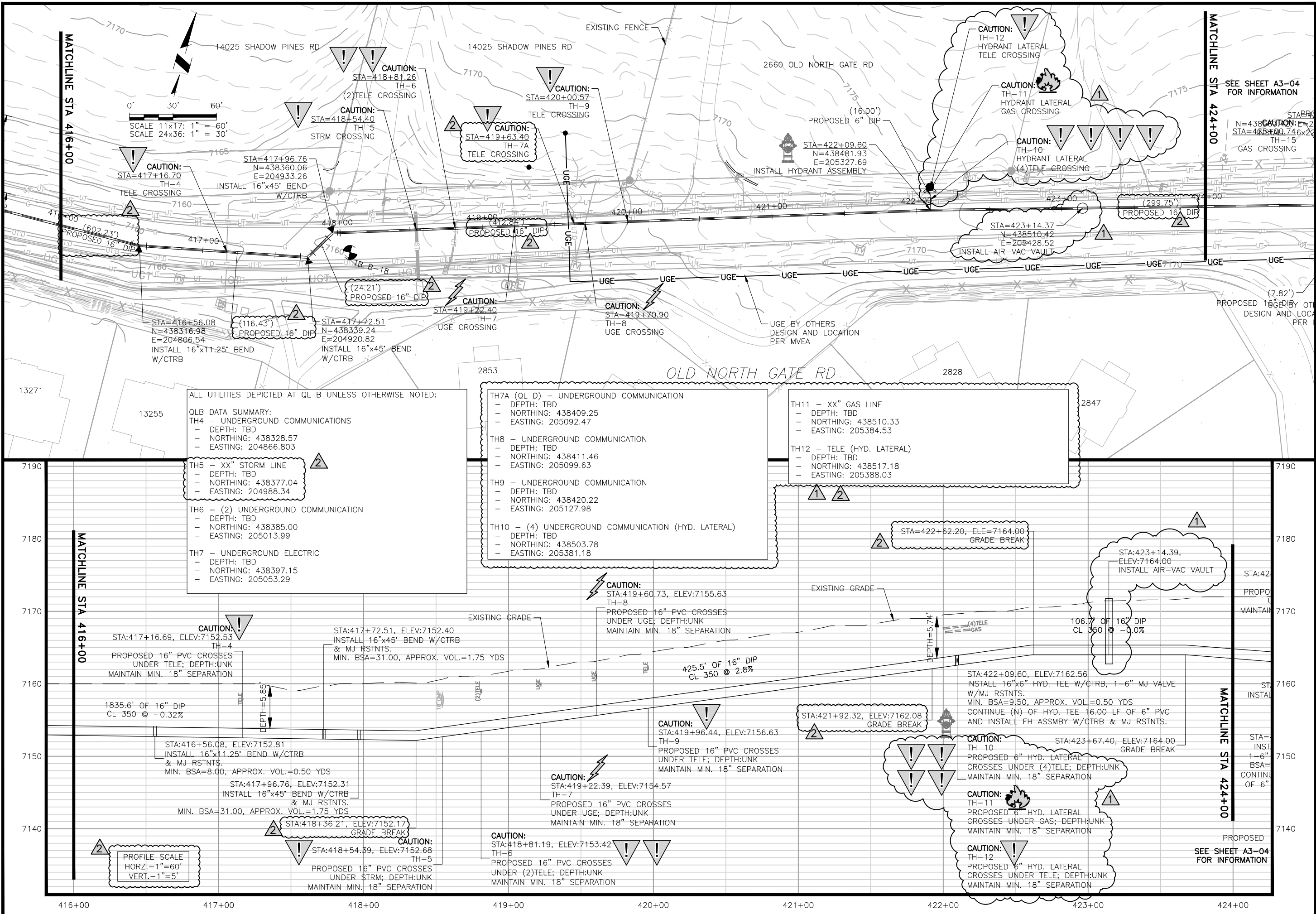
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 05/31/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A3-02
 SHEET ---OF---

2023/02/02 12:19 PM By: Shelby Heule NA:Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Hwy 83 & Old Northgate Pipeline\22429_Hwy83_Plan And Profile.dwg



SCALE 11x17: 1" = 60'
SCALE 24x36: 1" = 30'

PROFILE SCALE
HORZ. - 1" = 60'
VERT. - 1" = 5'

ALL UTILITIES DEPICTED AT QL B UNLESS OTHERWISE NOTED:

QLB DATA SUMMARY:
TH4 - UNDERGROUND COMMUNICATIONS
- DEPTH: TBD
- NORTHING: 438328.57
- EASTING: 204866.803

TH5 - XX" STORM LINE
- DEPTH: TBD
- NORTHING: 438377.04
- EASTING: 204988.34

TH6 - (2) UNDERGROUND COMMUNICATION
- DEPTH: TBD
- NORTHING: 438385.00
- EASTING: 205013.99

TH7 - UNDERGROUND ELECTRIC
- DEPTH: TBD
- NORTHING: 438397.15
- EASTING: 205053.29

TH7A (QL D) - UNDERGROUND COMMUNICATION
- DEPTH: TBD
- NORTHING: 438409.25
- EASTING: 205092.47

TH8 - UNDERGROUND COMMUNICATION
- DEPTH: TBD
- NORTHING: 438411.46
- EASTING: 205099.63

TH9 - UNDERGROUND COMMUNICATION
- DEPTH: TBD
- NORTHING: 438420.22
- EASTING: 205127.98

TH10 - (4) UNDERGROUND COMMUNICATION (HYD. LATERAL)
- DEPTH: TBD
- NORTHING: 438503.78
- EASTING: 205381.18

TH11 - XX" GAS LINE
- DEPTH: TBD
- NORTHING: 438510.33
- EASTING: 205384.53

TH12 - TELE (HYD. LATERAL)
- DEPTH: TBD
- NORTHING: 438517.18
- EASTING: 205388.03

JDS-HYDRO a Division of **RESPEC**
5540 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072

TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM
SEGMENT A3 PLAN AND PROFILE
STATION 416+00 TO 424+00

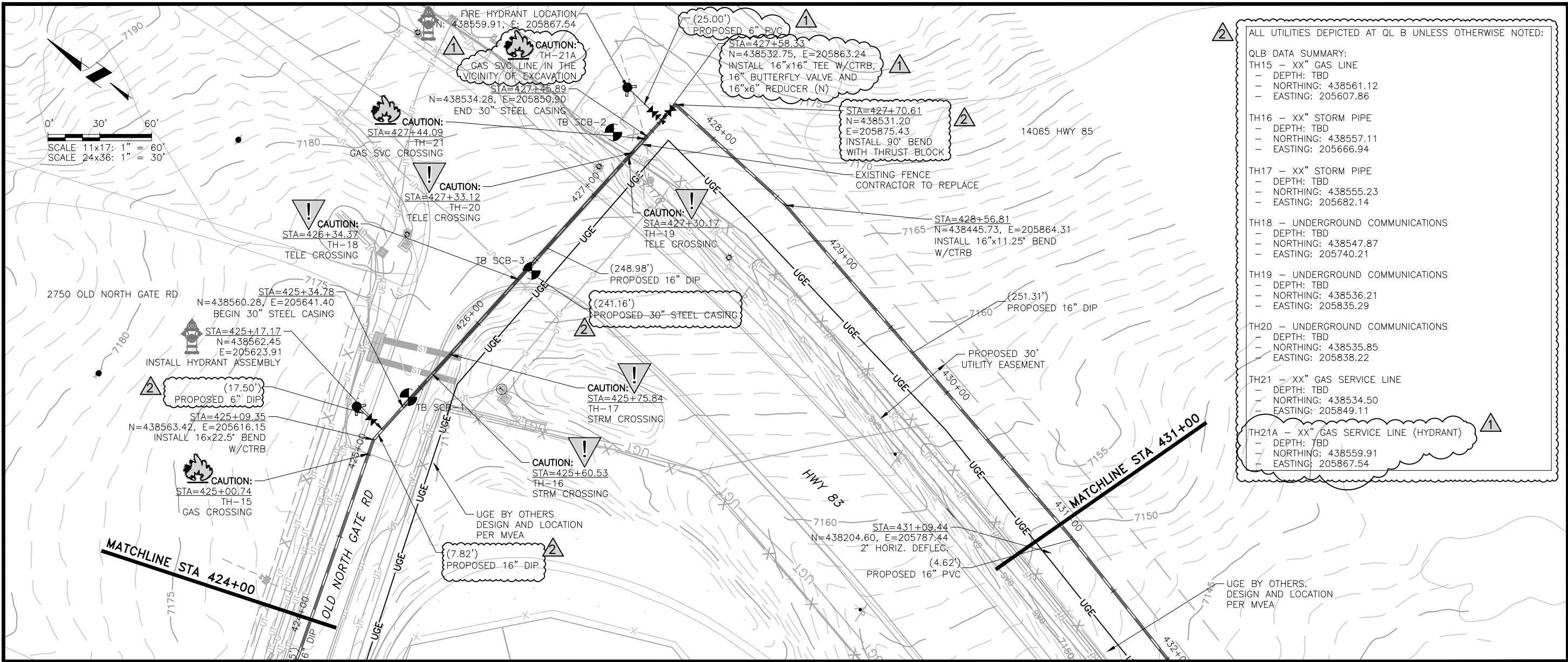
NO.	DESCRIPTION	BY	APP.	DATE
1	added AV vault	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

95% DESIGN

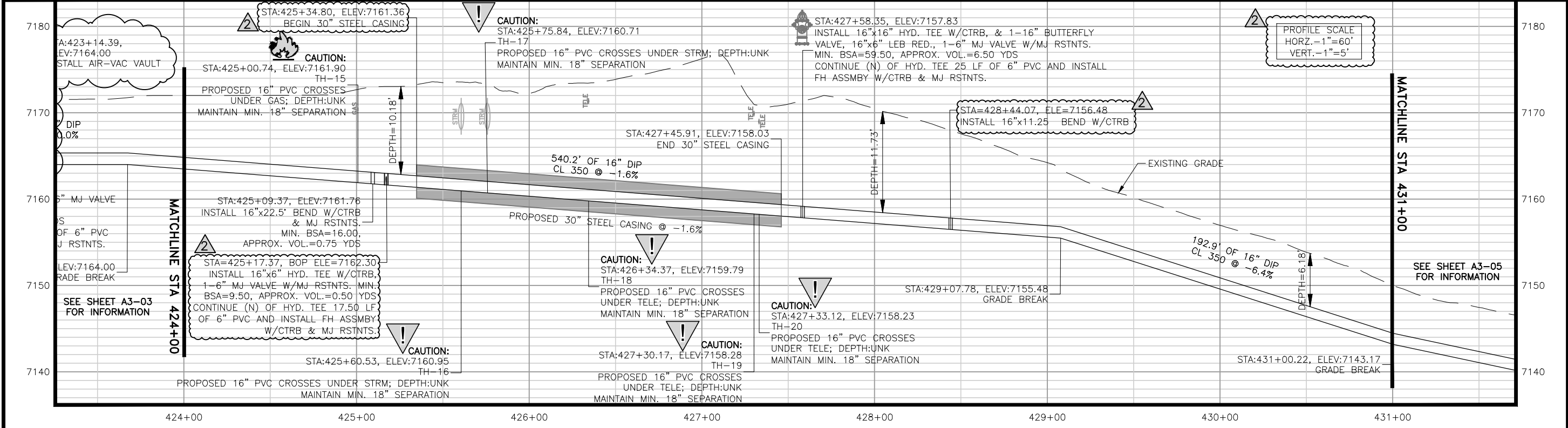
Project No.: 224.29
Date: 05/31/22
Design: MLD
Drawn: SNW
Check: MLD

A3-03
SHEET ----OF

2023/02/02 12:46 PM By: Shelby Heule NA:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Hwy 83 & Old Northgate Pipeline\22429_Hwy83_Plan And Profile.dwg



- ALL UTILITIES DEPICTED AT QL B UNLESS OTHERWISE NOTED:
- QLB DATA SUMMARY:
- TH15 - XX" GAS LINE
 - DEPTH: TBD
 - NORTHING: 438561.12
 - EASTING: 205607.86
 - TH16 - XX" STORM PIPE
 - DEPTH: TBD
 - NORTHING: 438557.11
 - EASTING: 205666.94
 - TH17 - XX" STORM PIPE
 - DEPTH: TBD
 - NORTHING: 438555.23
 - EASTING: 205682.14
 - TH18 - UNDERGROUND COMMUNICATIONS
 - DEPTH: TBD
 - NORTHING: 438547.87
 - EASTING: 205740.21
 - TH19 - UNDERGROUND COMMUNICATIONS
 - DEPTH: TBD
 - NORTHING: 438536.21
 - EASTING: 205835.29
 - TH20 - UNDERGROUND COMMUNICATIONS
 - DEPTH: TBD
 - NORTHING: 438535.85
 - EASTING: 205838.22
 - TH21 - XX" GAS SERVICE LINE
 - DEPTH: TBD
 - NORTHING: 438534.50
 - EASTING: 205849.11
 - TH21A - XX" GAS SERVICE LINE (HYDRANT)
 - DEPTH: TBD
 - NORTHING: 438559.91
 - EASTING: 205867.54



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO. A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A3 PLAN AND PROFILE
 STATION 424+00 TO 431+00

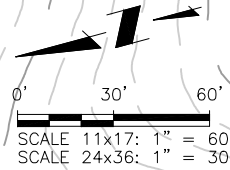
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

95% DESIGN

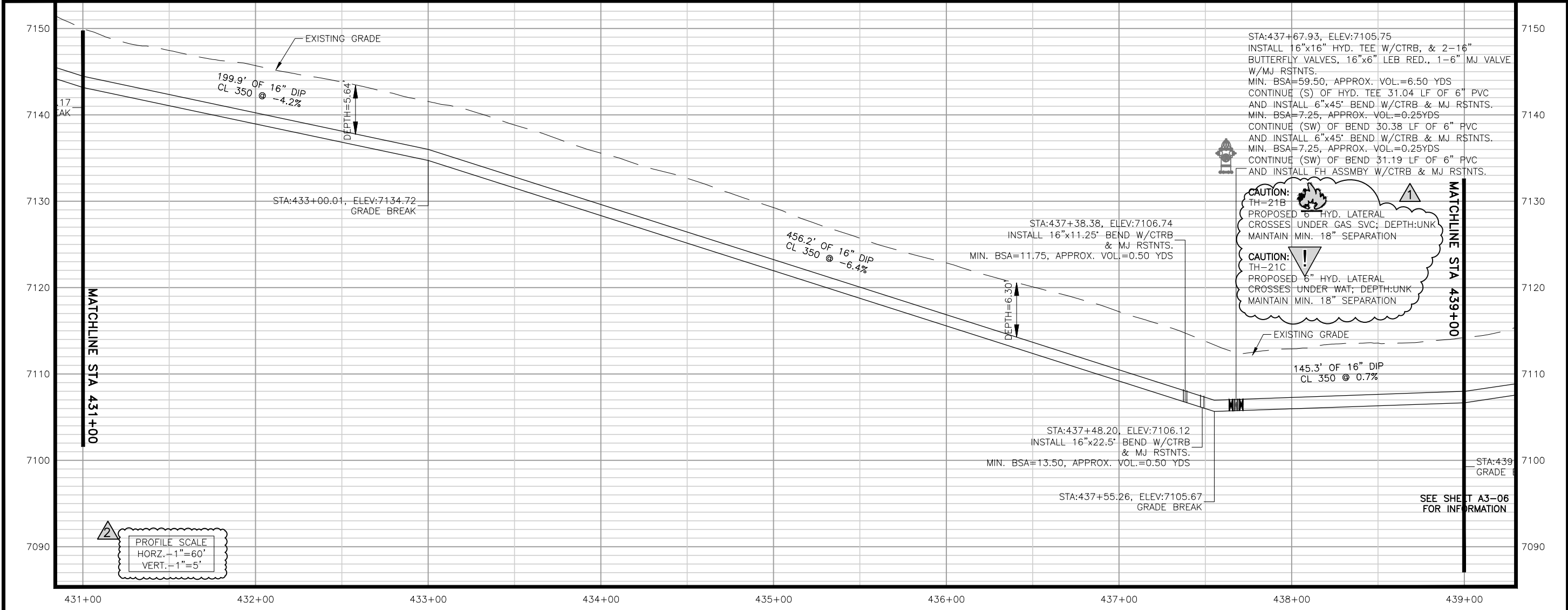
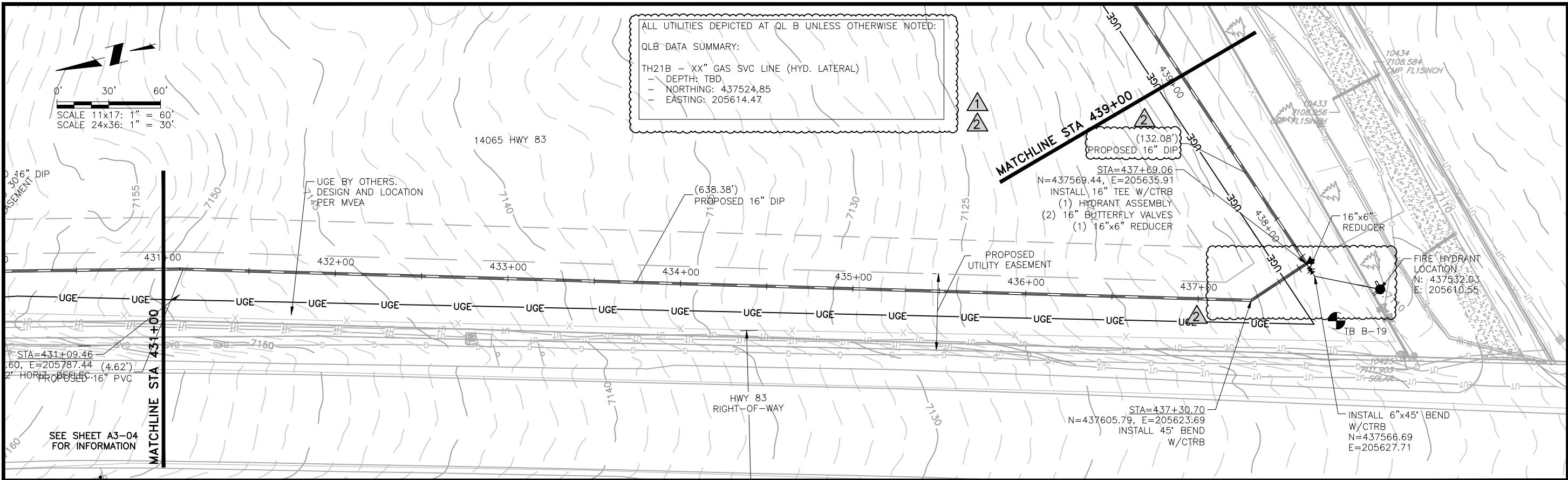
Project No.: 224.29
 Date: 05/31/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A3-04
 SHEET ---OF---

2023/02/01 10:27 AM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Hwy 83 & Old Northgate Pipeline\22429_Hwy83_Plan And Profile.dwg



ALL UTILITIES DEPICTED AT QL B UNLESS OTHERWISE NOTED:
 QL B DATA SUMMARY:
 TH21B - XX" GAS SVC LINE (HYD. LATERAL)
 - DEPTH: TBD
 - NORTHING: 437524.85
 - EASTING: 205614.47



CAUTION: TH-21B PROPOSED 6" HYD. LATERAL CROSSES UNDER GAS SVC; DEPTH:UNK MAINTAIN MIN. 18" SEPARATION

CAUTION: TH-21C PROPOSED 6" HYD. LATERAL CROSSES UNDER WAT; DEPTH:UNK MAINTAIN MIN. 18" SEPARATION

JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A3 PLAN AND PROFILE
 STATION 431+00 TO 439+00

NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 05/31/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A3-05
 SHEET ---OF---

2023/02/02 10:02 PM By: Shelby Heule NA:Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Hwy 83 & Old Northgate Pipeline\22429_Hwy83_Plan And Profile.dwg

**COLORADO SPRINGS UTILITIES
PLAN APPROVAL**

APPROVED BY: _____ DATE: _____
 PROJECT NUMBER: _____ WORK ORDER NUMBER: _____
 CSU SHEET _____ OF _____

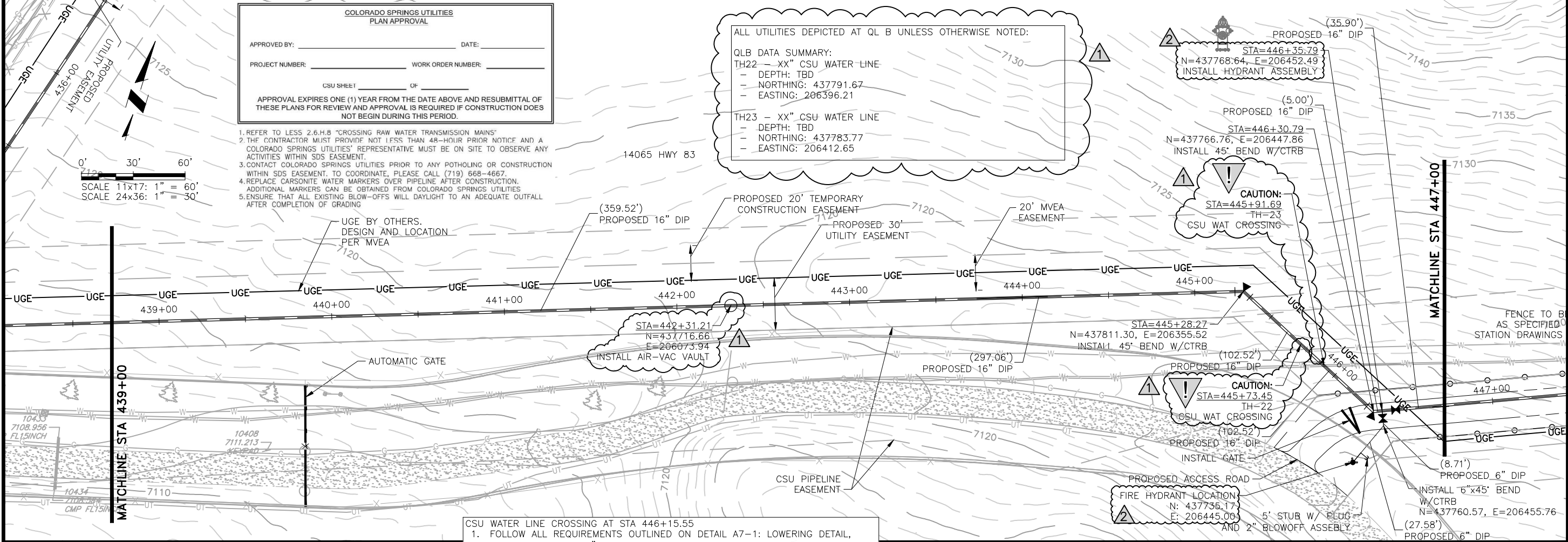
APPROVAL EXPIRES ONE (1) YEAR FROM THE DATE ABOVE AND RESUBMITTAL OF THESE PLANS FOR REVIEW AND APPROVAL IS REQUIRED IF CONSTRUCTION DOES NOT BEGIN DURING THIS PERIOD.

1. REFER TO LESS 2.6.H.8 "CROSSING RAW WATER TRANSMISSION MAINS"
2. THE CONTRACTOR MUST PROVIDE NOT LESS THAN 48-HOUR PRIOR NOTICE AND A COLORADO SPRINGS UTILITIES REPRESENTATIVE MUST BE ON SITE TO OBSERVE ANY ACTIVITIES WITHIN SDS EASEMENT.
3. CONTACT COLORADO SPRINGS UTILITIES PRIOR TO ANY POTHOLES OR CONSTRUCTION WITHIN SDS EASEMENT. TO COORDINATE, PLEASE CALL (719) 668-4667.
4. REPLACE CARBONITE WATER MARKERS OVER PIPELINE AFTER CONSTRUCTION. ADDITIONAL MARKERS CAN BE OBTAINED FROM COLORADO SPRINGS UTILITIES
5. ENSURE THAT ALL EXISTING BLOW-OFFS WILL DAYLIGHT TO AN ADEQUATE OUTFALL AFTER COMPLETION OF GRADING

ALL UTILITIES DEPICTED AT QL B UNLESS OTHERWISE NOTED:

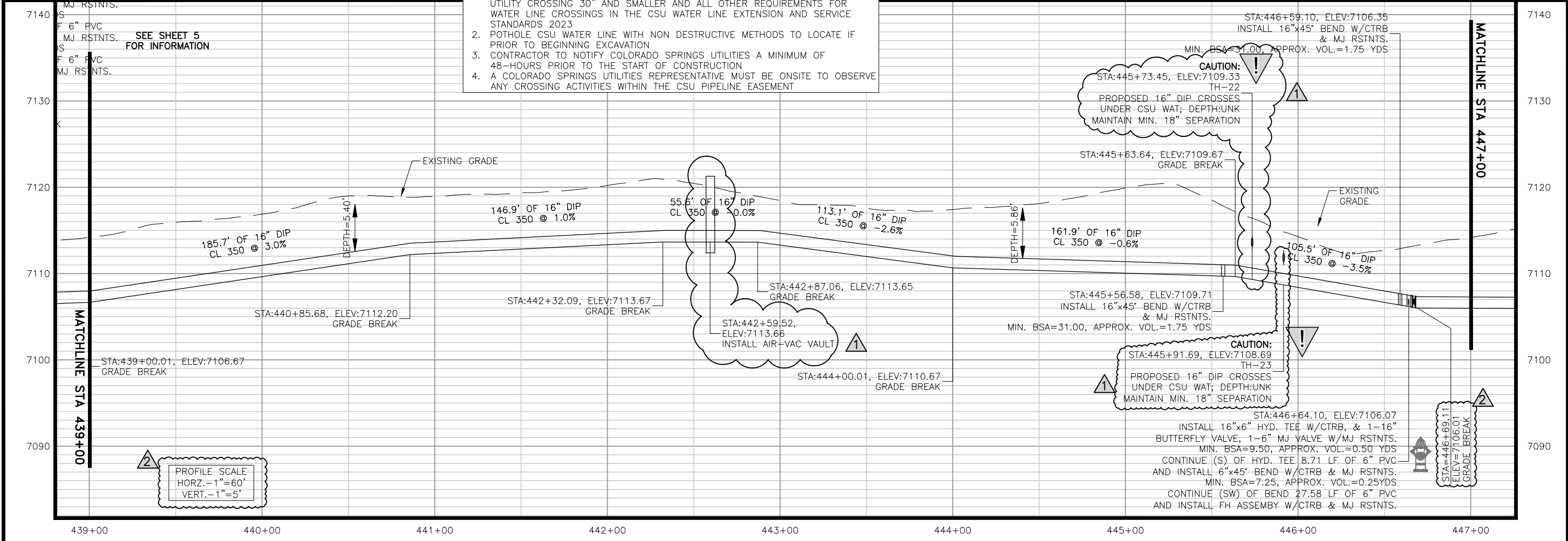
QLB DATA SUMMARY:
 TH22 - XX" CSU WATER LINE
 - DEPTH: TBD
 - NORTHING: 437791.67
 - EASTING: 206396.21

TH23 - XX" CSU WATER LINE
 - DEPTH: TBD
 - NORTHING: 437783.77
 - EASTING: 206412.65



CSU WATER LINE CROSSING AT STA 446+15.55

1. FOLLOW ALL REQUIREMENTS OUTLINED ON DETAIL A7-1: LOWERING DETAIL, UTILITY CROSSING 30" AND SMALLER AND ALL OTHER REQUIREMENTS FOR WATER LINE CROSSINGS IN THE CSU WATER LINE EXTENSION AND SERVICE STANDARDS 2023
2. POT HOLE CSU WATER LINE WITH NON DESTRUCTIVE METHODS TO LOCATE IF PRIOR TO BEGINNING EXCAVATION
3. CONTRACTOR TO NOTIFY COLORADO SPRINGS UTILITIES A MINIMUM OF 48-HOURS PRIOR TO THE START OF CONSTRUCTION
4. A COLORADO SPRINGS UTILITIES REPRESENTATIVE MUST BE ONSITE TO OBSERVE ANY CROSSING ACTIVITIES WITHIN THE CSU PIPELINE EASEMENT



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO. A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A3 PLAN AND PROFILE
 STATION 439+00 TO 447+00

NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

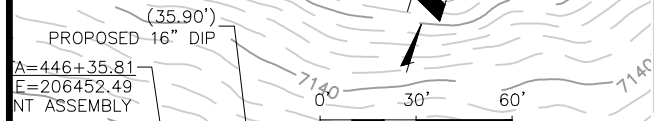
95% DESIGN

Project No.: 224.29
 Date: 05/31/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A3-06
 SHEET ---OF---

2023/02/01 10:37 AM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Hyd 83 & Old Northgate Pipeline\22429_Hwy83_Plan And Profile.dwg

SEE SHEET 6 FOR INFORMATION



**COLORADO SPRINGS UTILITIES
PLAN APPROVAL**

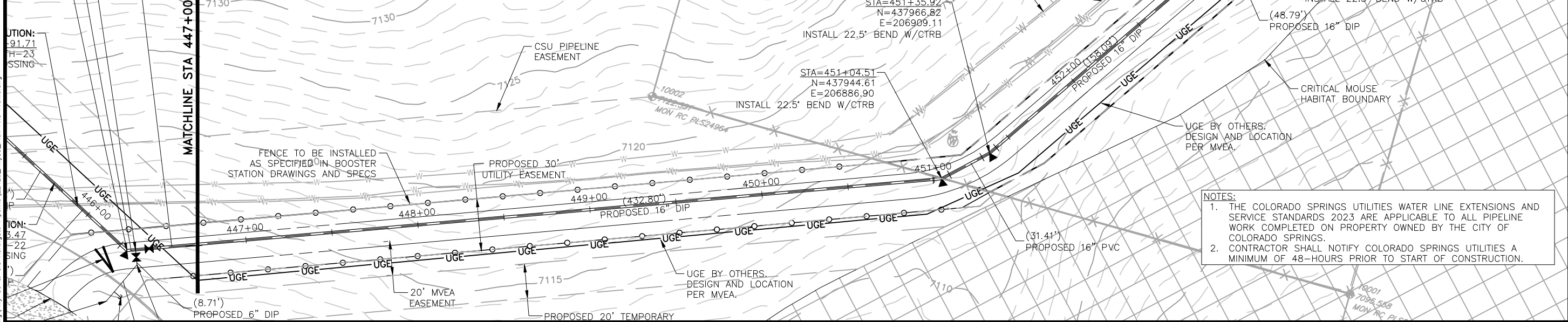
APPROVED BY: _____ DATE: _____

PROJECT NUMBER: _____ WORK ORDER NUMBER: _____

CSU SHEET _____ OF _____

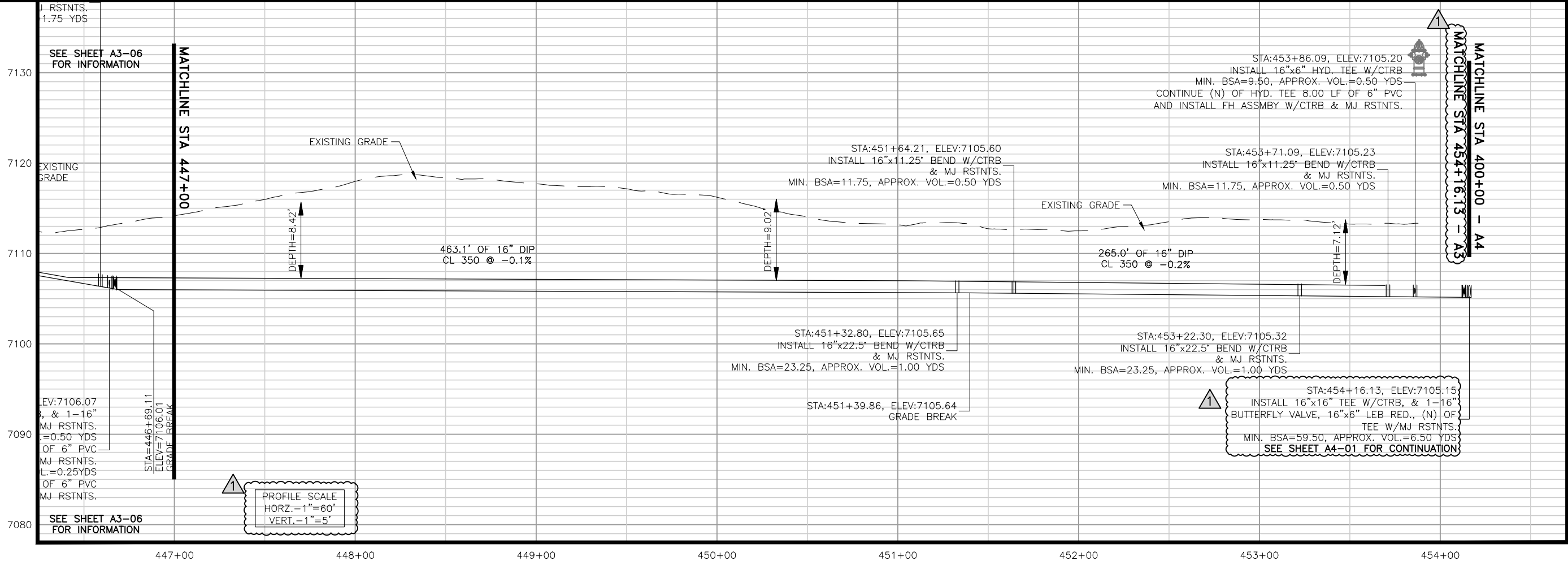
APPROVAL EXPIRES ONE (1) YEAR FROM THE DATE ABOVE AND RESUBMITTAL OF THESE PLANS FOR REVIEW AND APPROVAL IS REQUIRED IF CONSTRUCTION DOES NOT BEGIN DURING THIS PERIOD.

1. REFER TO LESS 2.6.H.8 "CROSSING RAW WATER TRANSMISSION MAINS"
2. THE CONTRACTOR MUST PROVIDE NOT LESS THAN 48-HOUR PRIOR NOTICE AND A COLORADO SPRINGS UTILITIES REPRESENTATIVE MUST BE ON SITE TO OBSERVE ANY ACTIVITIES WITHIN SDS EASEMENT.
3. CONTACT COLORADO SPRINGS UTILITIES PRIOR TO ANY POTHOLING OR CONSTRUCTION WITHIN SDS EASEMENT. TO COORDINATE, PLEASE CALL (719) 668-4667.
4. REPLACE CARBONITE WATER MARKERS OVER PIPELINE AFTER CONSTRUCTION. ADDITIONAL MARKERS CAN BE OBTAINED FROM COLORADO SPRINGS UTILITIES
5. ENSURE THAT ALL EXISTING BLOW-OFFS WILL DAYLIGHT TO AN ADEQUATE OUTFALL AFTER COMPLETION OF GRADING



NOTES:

1. THE COLORADO SPRINGS UTILITIES WATER LINE EXTENSIONS AND SERVICE STANDARDS 2023 ARE APPLICABLE TO ALL PIPELINE WORK COMPLETED ON PROPERTY OWNED BY THE CITY OF COLORADO SPRINGS.
2. CONTRACTOR SHALL NOTIFY COLORADO SPRINGS UTILITIES A MINIMUM OF 48-HOURS PRIOR TO START OF CONSTRUCTION.



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A3 PLAN AND PROFILE
 STATION 447+00 TO 454+33.86

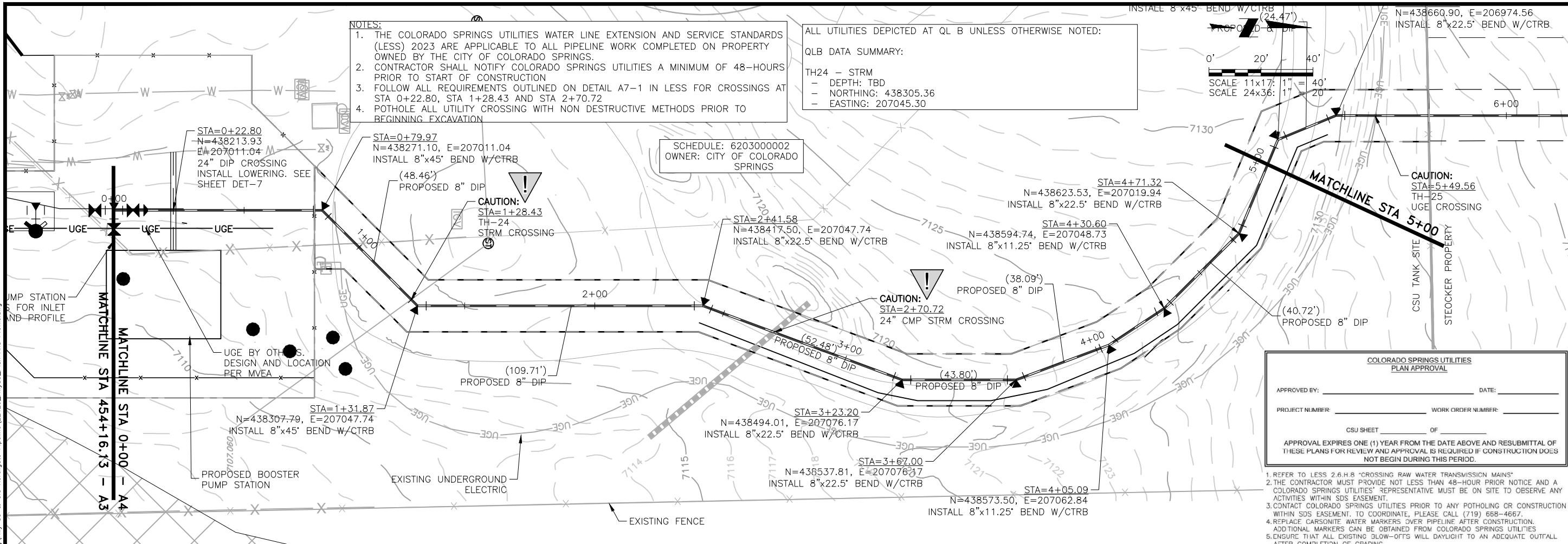
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 2	SNH	MLD	01/26/23
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 05/31/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A3-07
 SHEET ---OF---

2023/02/01 10:28 AM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\HWy 83 & Old Northgate Pipeline\22429_Hwy83_Plan And Profile.dwg

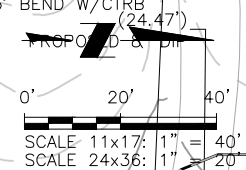


- NOTES:**
1. THE COLORADO SPRINGS UTILITIES WATER LINE EXTENSION AND SERVICE STANDARDS (LESS) 2023 ARE APPLICABLE TO ALL PIPELINE WORK COMPLETED ON PROPERTY OWNED BY THE CITY OF COLORADO SPRINGS.
 2. CONTRACTOR SHALL NOTIFY COLORADO SPRINGS UTILITIES A MINIMUM OF 48-HOURS PRIOR TO START OF CONSTRUCTION
 3. FOLLOW ALL REQUIREMENTS OUTLINED ON DETAIL A7-1 IN LESS FOR CROSSINGS AT STA 0+22.80, STA 1+28.43 AND STA 2+70.72
 4. POT HOLE ALL UTILITY CROSSING WITH NON DESTRUCTIVE METHODS PRIOR TO BEGINNING EXCAVATION

ALL UTILITIES DEPICTED AT QL B UNLESS OTHERWISE NOTED:

QLB DATA SUMMARY:

TH24 - STRM
 - DEPTH: TBD
 - NORTHING: 438305.36
 - EASTING: 207045.30



SCHEDULE: 620300002
 OWNER: CITY OF COLORADO SPRINGS

COLORADO SPRINGS UTILITIES
 PLAN APPROVAL

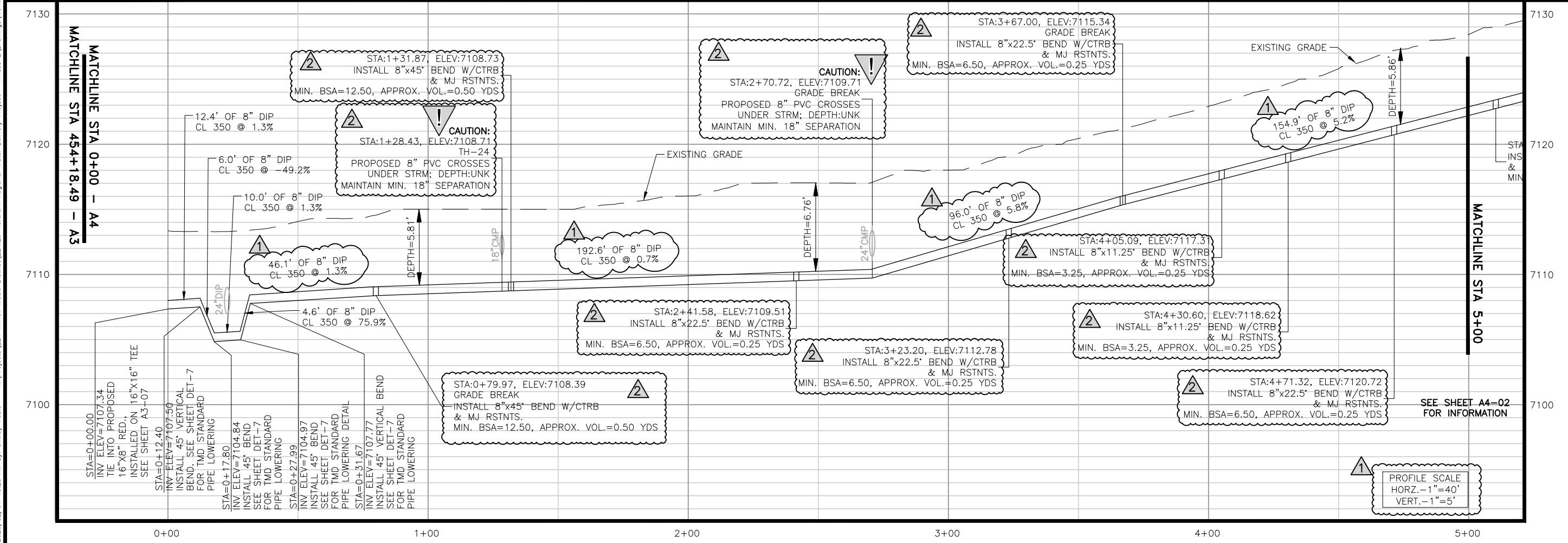
APPROVED BY: _____ DATE: _____

PROJECT NUMBER: _____ WORK ORDER NUMBER: _____

CSU SHEET _____ OF _____

APPROVAL EXPIRES ONE (1) YEAR FROM THE DATE ABOVE AND RESUBMITTAL OF THESE PLANS FOR REVIEW AND APPROVAL IS REQUIRED IF CONSTRUCTION DOES NOT BEGIN DURING THIS PERIOD.

1. REFER TO LESS 2.6.H.8 "CROSSING RAW WATER TRANSMISSION MAINS"
2. THE CONTRACTOR MUST PROVIDE NOT LESS THAN 48-HOUR PRIOR NOTICE AND A COLORADO SPRINGS UTILITIES' REPRESENTATIVE MUST BE ON SITE TO OBSERVE ANY ACTIVITIES WITHIN SDS EASEMENT.
3. CONTACT COLORADO SPRINGS UTILITIES PRIOR TO ANY POT HOLE OR CONSTRUCTION WITHIN SDS EASEMENT. TO COORDINATE, PLEASE CALL (719) 558-4667.
4. REPLACE CARBONITE WATER MARKERS OVER PIPELINE AFTER CONSTRUCTION. ADDITIONAL MARKERS CAN BE OBTAINED FROM COLORADO SPRINGS UTILITIES
5. ENSURE THAT ALL EXISTING BLOW-OFFS WILL DAYLIGHT TO AN ADEQUATE OUTFALL AFTER COMPLETION OF GRADING



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A4 PLAN AND PROFILE
 STATION 0+00 TO 5+00

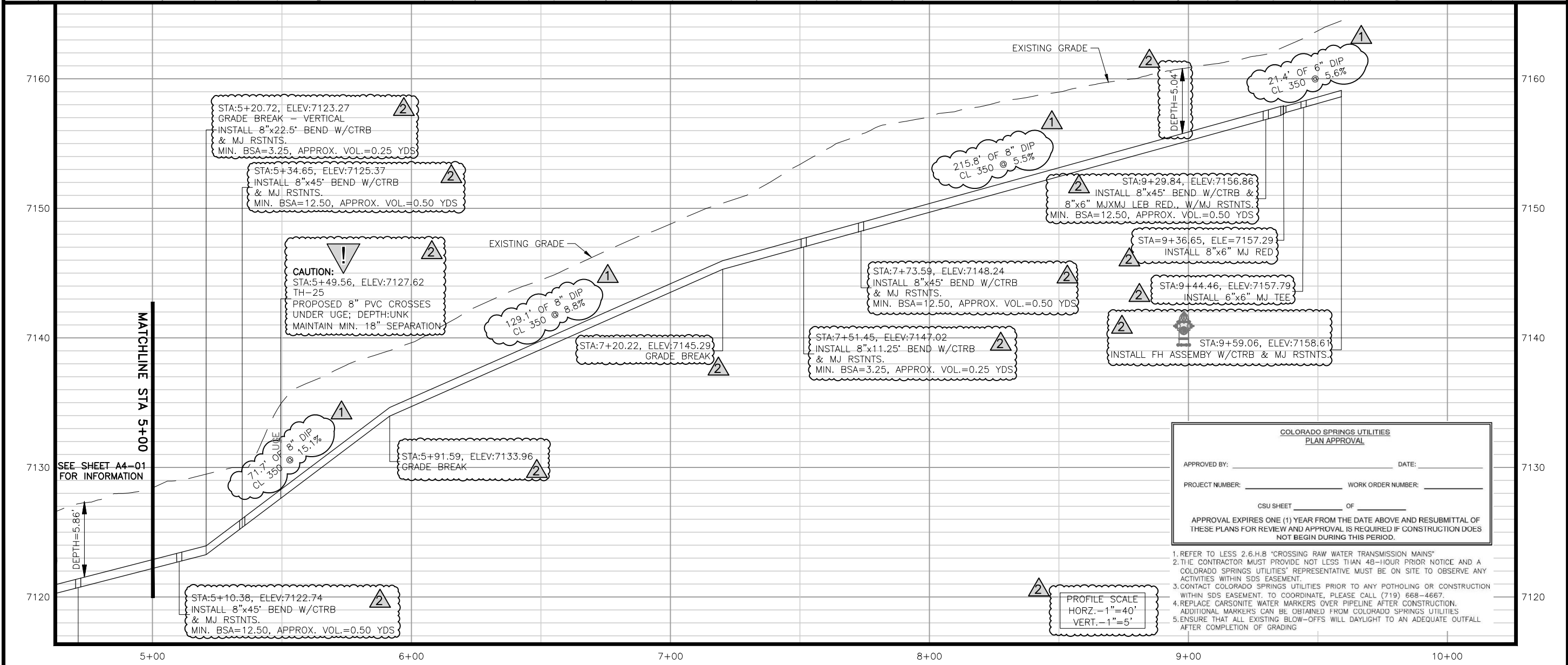
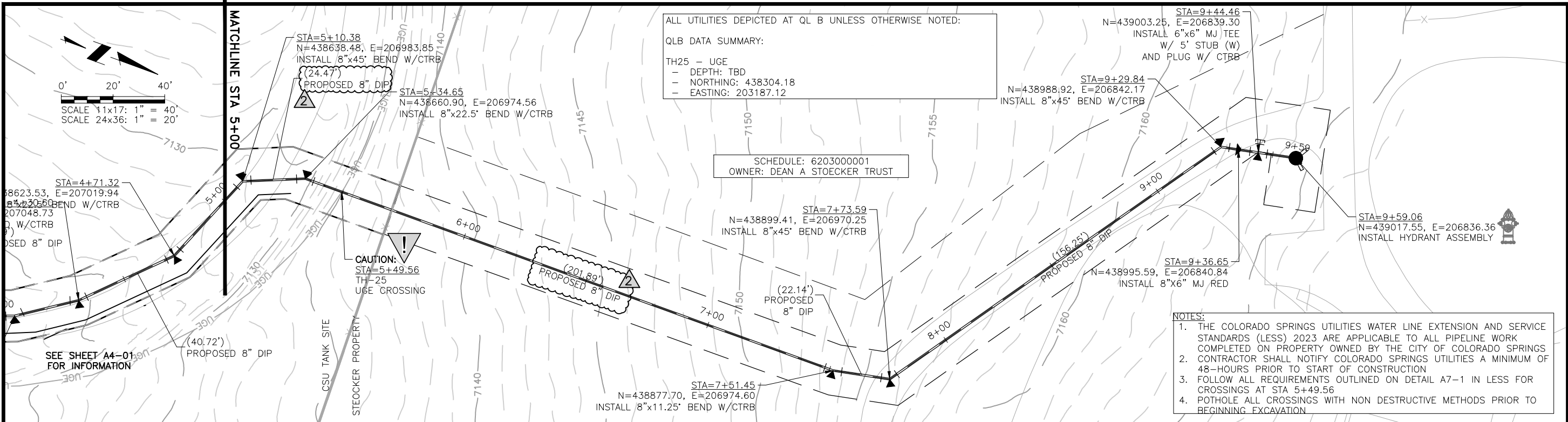
NO.	DESCRIPTION	BY	APP.	DATE
1	changed 16" to 8" JLB	MLD	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 05/31/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A4-01
 SHEET ---OF---

2023/02/01 10:28 AM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\HWy 83 & Old Northgate Pipeline\22429_Hwy83_Plan And Profile.dwg



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT A4 PLAN AND PROFILE
 STATION 5+00 TO 9+79

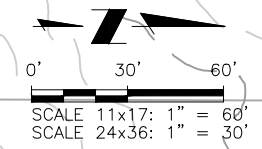
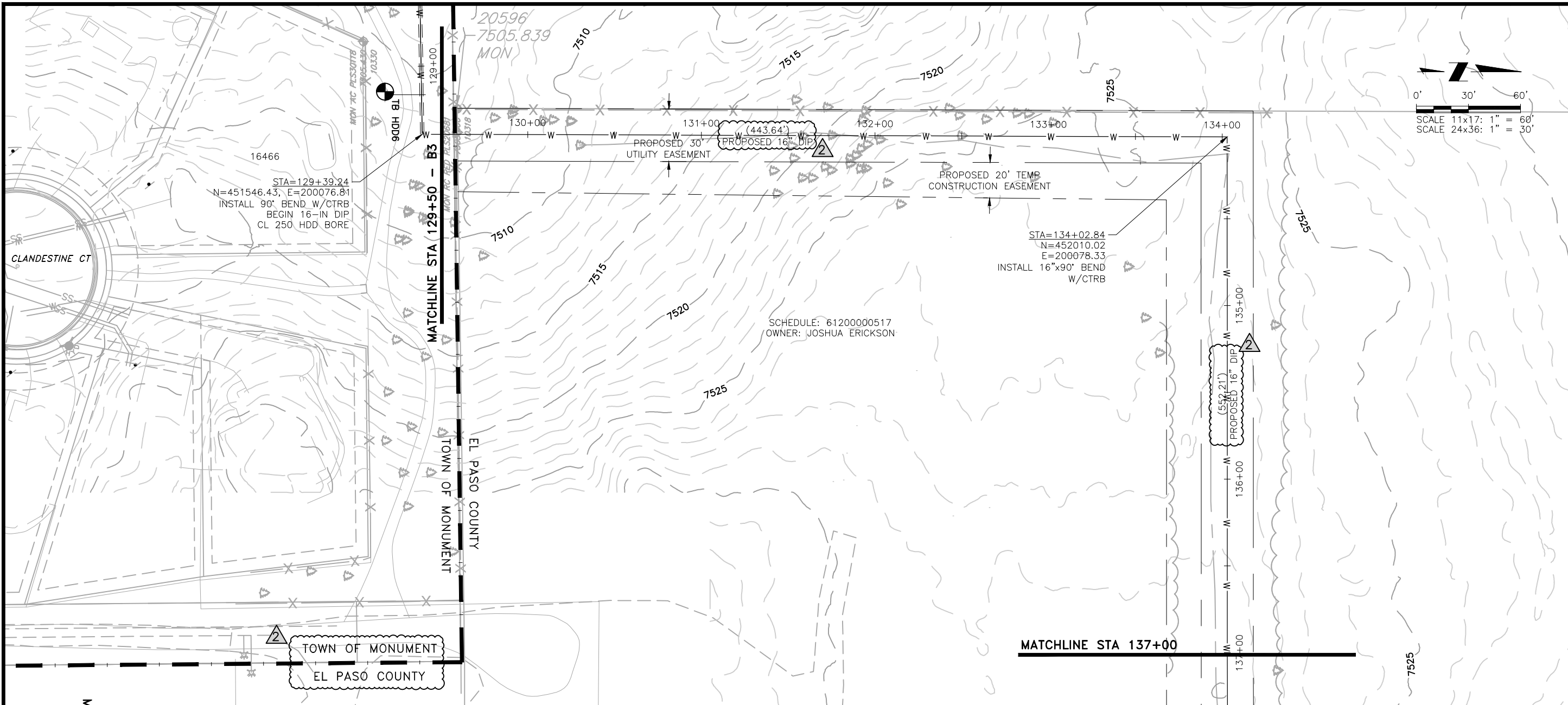
NO.	DESCRIPTION	BY	APP.	DATE
1	change 16" to 8"	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/26/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 05/31/22
 Design: MLD
 Drawn: SNW
 Check: MLD

A4-02
 SHEET ---OF---

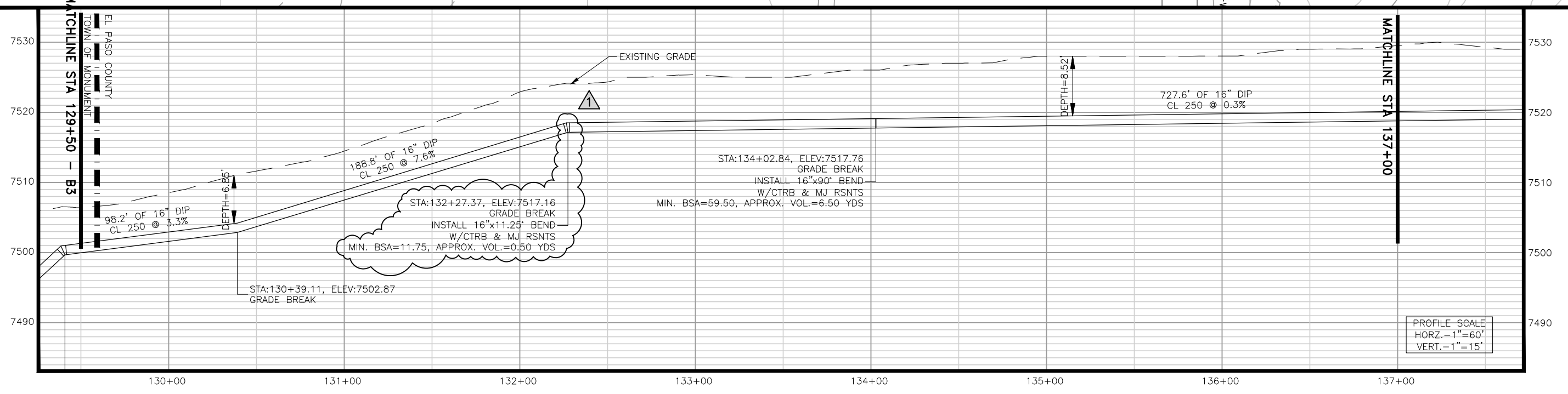
2023/02/01 11:03 AM By: Shelby Heule NA:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment B\22429_Seg_B_North_Civil_Updated.dwg



JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 SEGMENT B4 - PLAN AND PROFILE
 STATION 129+50 TO 137+00



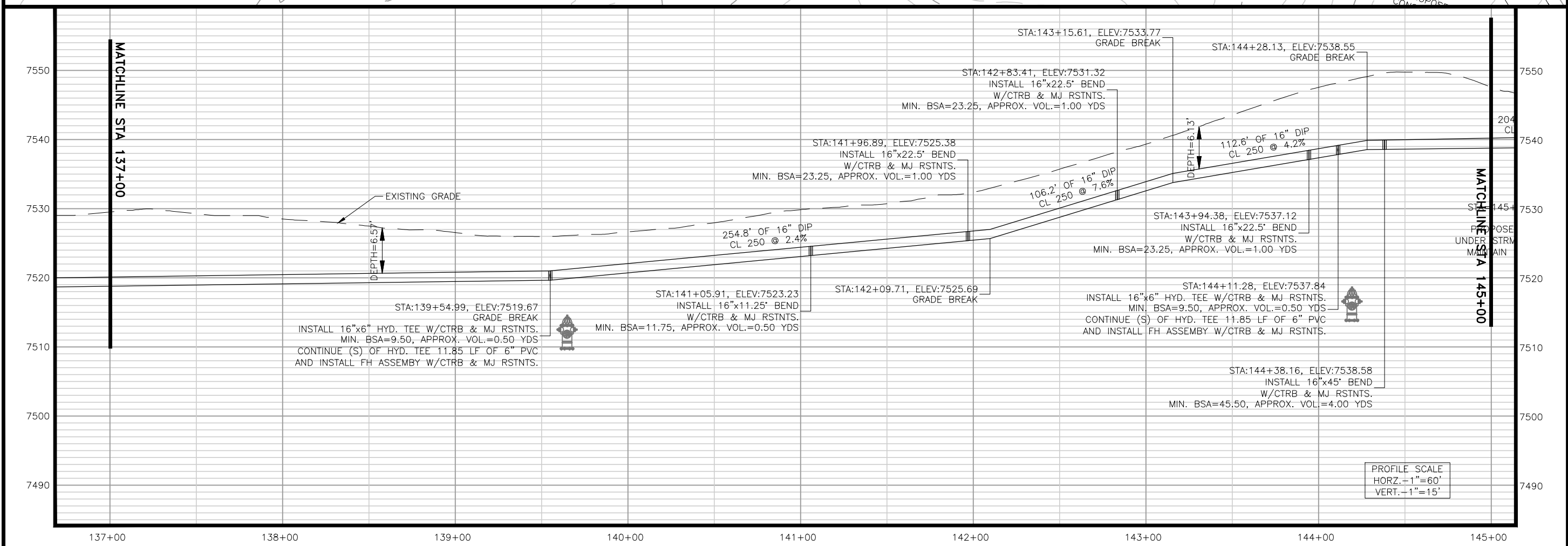
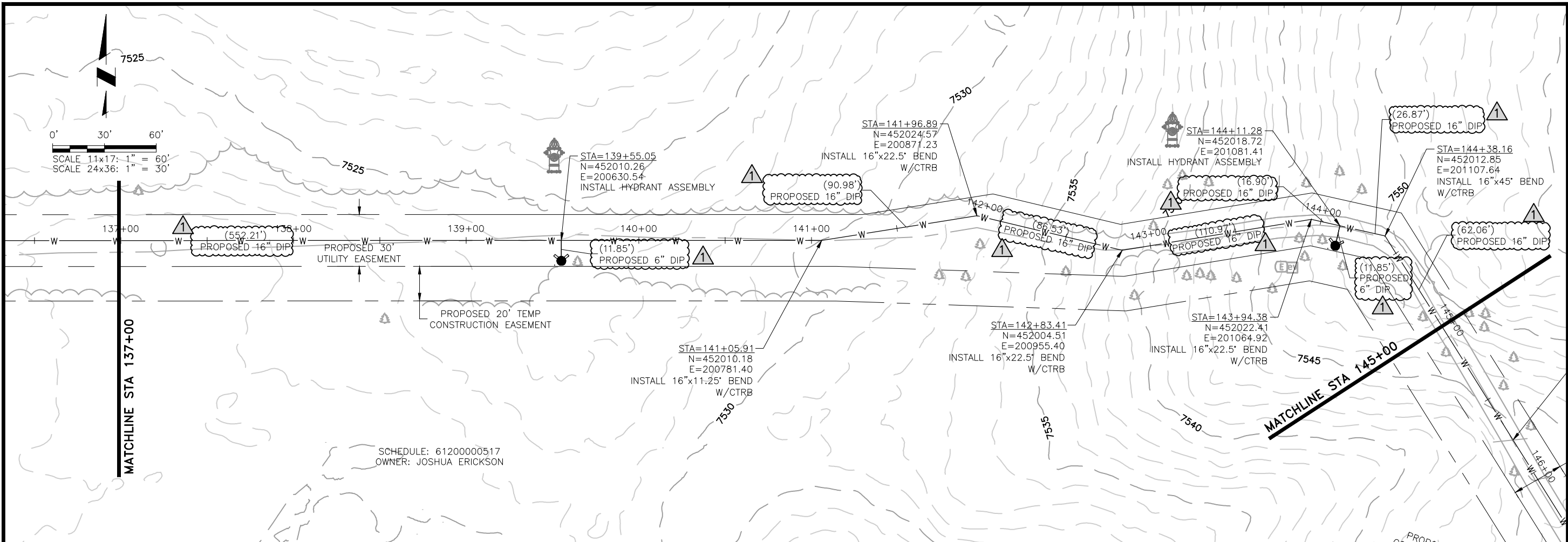
REVISIONS		BY	APP.	DATE
NO.	DESCRIPTION	JLB	MLD	10/05/22
1	REVISIONS 1	SNH	MLD	01/27/23
2	REVISIONS 2			
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 22429
 Date: 7/28/22
 Design: MLD
 Drawn: SNW
 Check: MLD

B4-01
 SHEET ---OF---

2023/02/01 11:03 AM By: Shelby Heule NA\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment B\22429_Seg_B_North_Civil_Updated.dwg



0' 30' 60'
SCALE 11x17: 1" = 60'
SCALE 24x36: 1" = 30'

SCHEDULE: 61200000517
OWNER: JOSHUA ERICKSON

PROFILE SCALE
HORIZ. - 1" = 60'
VERT. - 1" = 15'

JDS-HYDRO a Division of **RESPEC**
5540 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072

TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM
SEGMENT B4 - PLAN AND PROFILE
STATION 137+00 TO 145+00

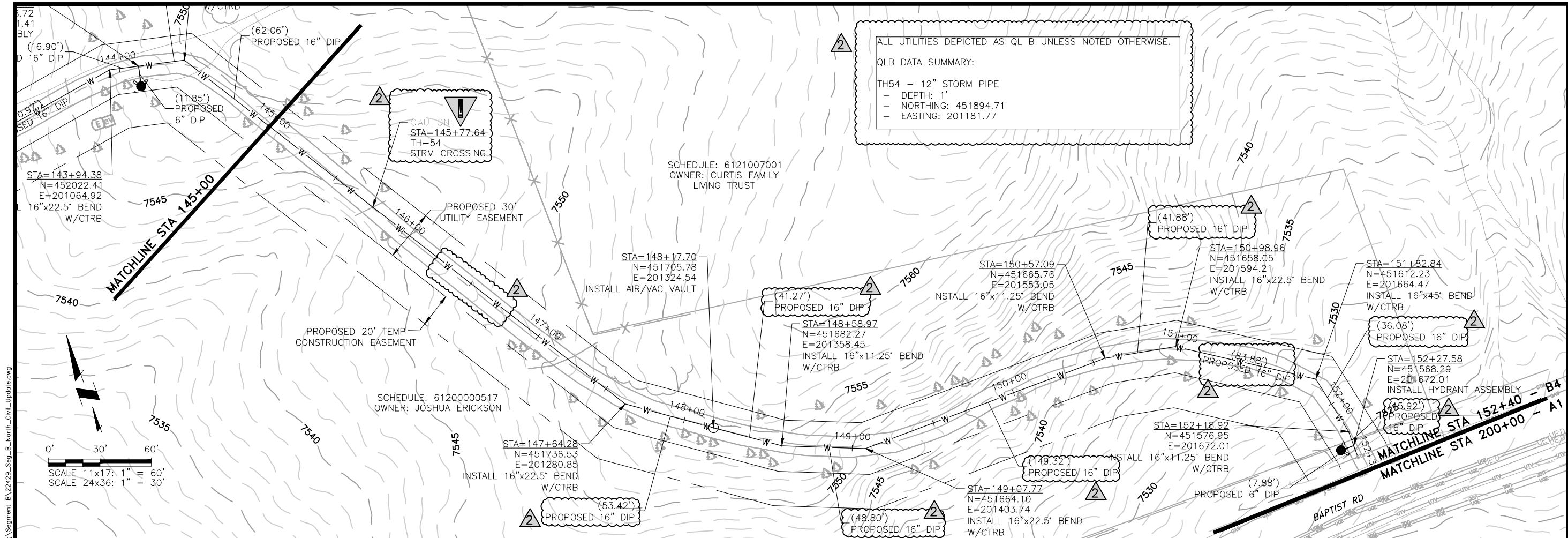
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 2	SNH	MLD	01/27/23
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 22429
Date: 7/28/22
Design: MLD
Drawn: SNW
Check: MLD

B4-02
SHEET ---- OF

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.



ALL UTILITIES DEPICTED AS QL B UNLESS NOTED OTHERWISE.

QLB DATA SUMMARY:

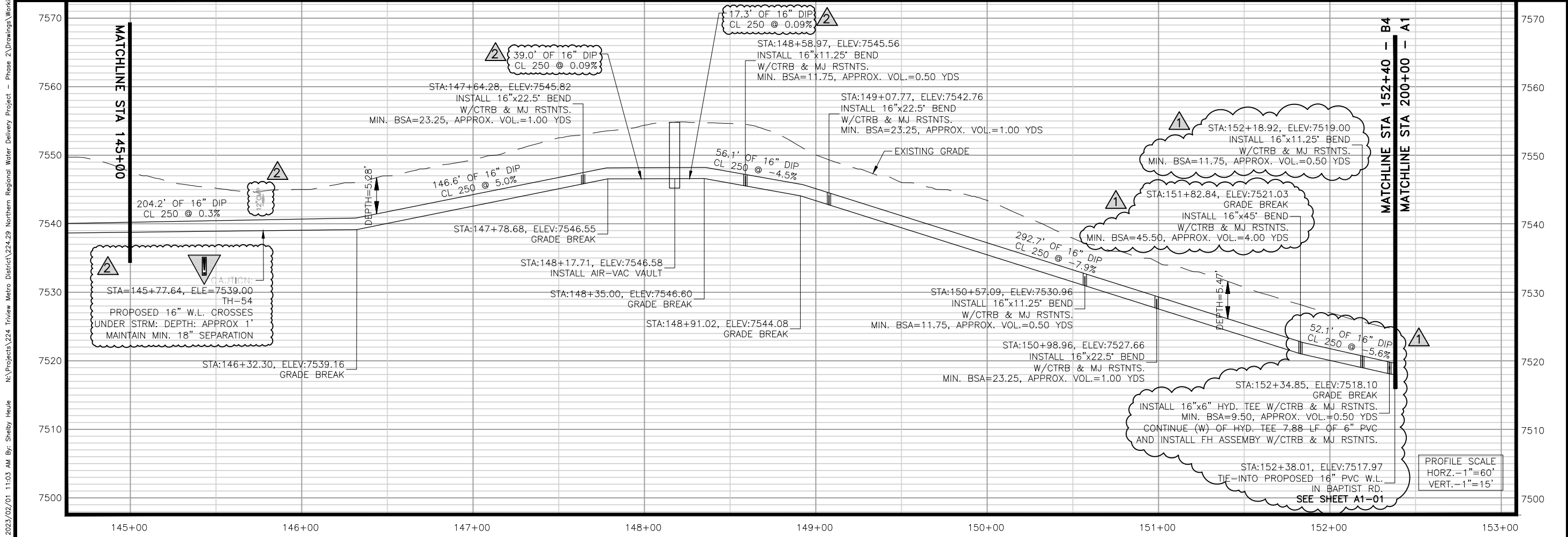
TH54 - 12" STORM PIPE
 - DEPTH: 1'
 - NORTHING: 451894.71
 - EASTING: 201181.77

CAUTION:
 STA=145+77.64
 TH-54
 STRM CROSSING

SCHEDULE: 6121007001
 OWNER: CURTIS FAMILY
 LIVING TRUST

SCHEDULE: 6120000517
 OWNER: JOSHUA ERICKSON

0' 30' 60'
 SCALE 11x17: 1" = 60'
 SCALE 24x36: 1" = 30'



PROFILE SCALE
 HORZ. - 1" = 60'
 VERT. - 1" = 15'

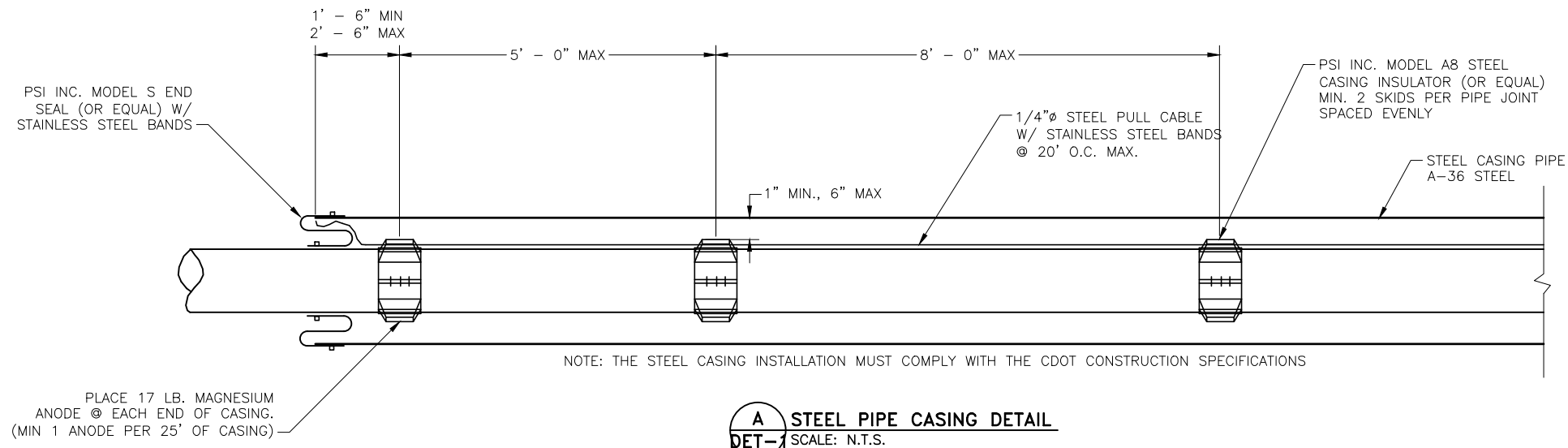
NO.	DESCRIPTION	BY	APP.	DATE
1	REVISIONS 1	JLB	MLD	10/05/22
2	REVISIONS 2	SNH	MLD	01/27/23
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 22429
 Date: 7/28/22
 Design: MLD
 Drawn: SNW
 Check: MLD

2023/02/01 11:03 AM By: Shelby Heule NA:\Projects\224 Triview Metro District\22429 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment B\22429_Seg_B_North_Civil_Update.dwg

2023/02/01 11:06 AM By: Shelby Heule NA\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_Pipeline_Civil_Details.dwg



NOTE:
INSTALL MJ BELL RESTRAINTS ON CARRIER PIPE

STEEL CASING TABLE		
CARRIER PIPE Ø	CASING DIAMETER	CASING THICKNESS
16"	30"	9/16"

JDS-HYDRO a Division of **RESPEC**
5540 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072
DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM
CIVIL DETAILS

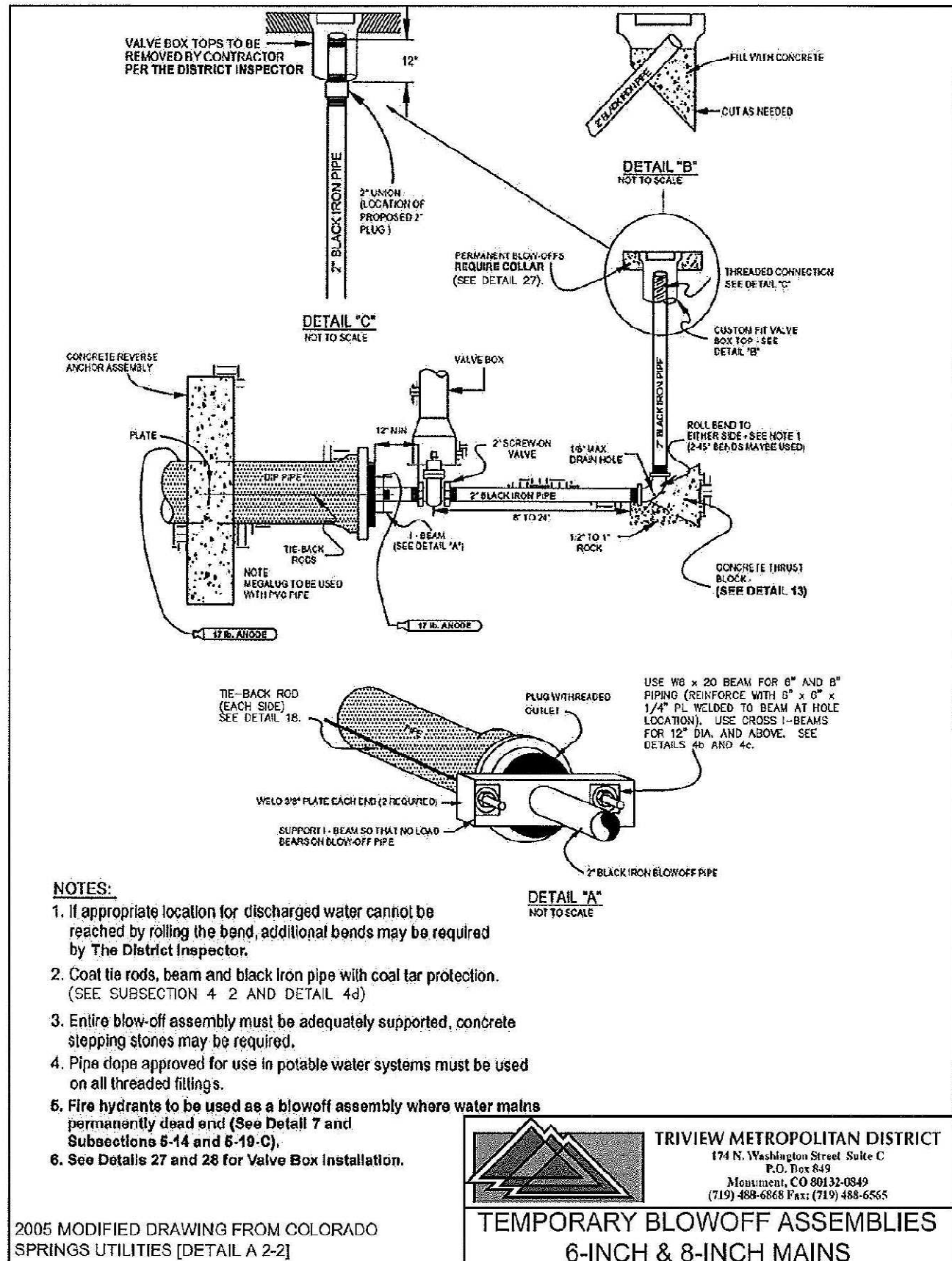
NO.	DESCRIPTION	BY	APP.	DATE
1				
2				
3				
4				
5				
6				
7				

95% DESIGN

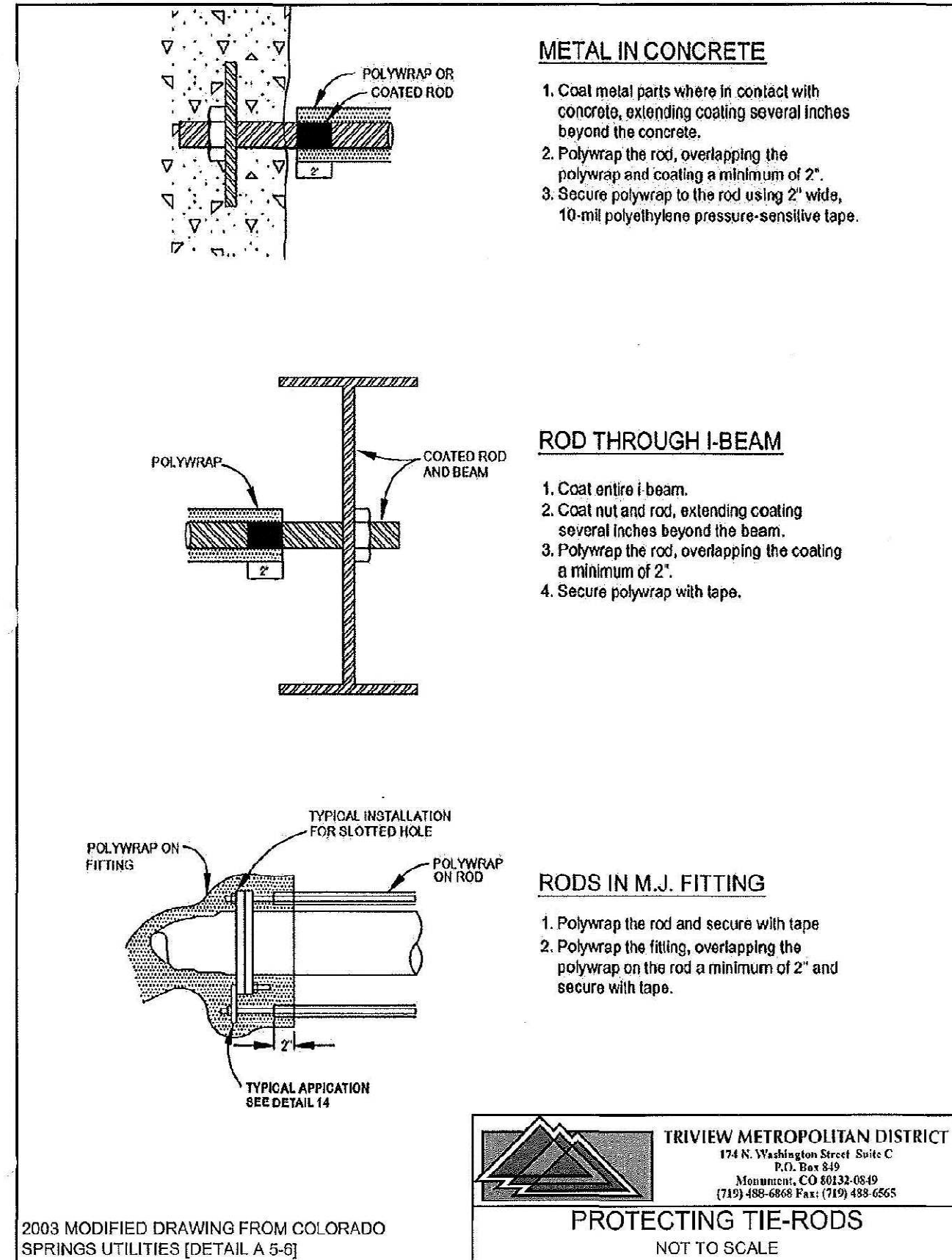
Project No.: 224.29
Date: 06/03/22
Design: MLD
Drawn: SNW
Check: MLD

DET-1
SHEET --- OF ---

2023/02/01 11:06 AM By: Shelby Heule NA:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_Pipeline_Civil_Details.dwg



DETAIL 4a



DETAIL 4d

JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 CIVIL DETAILS

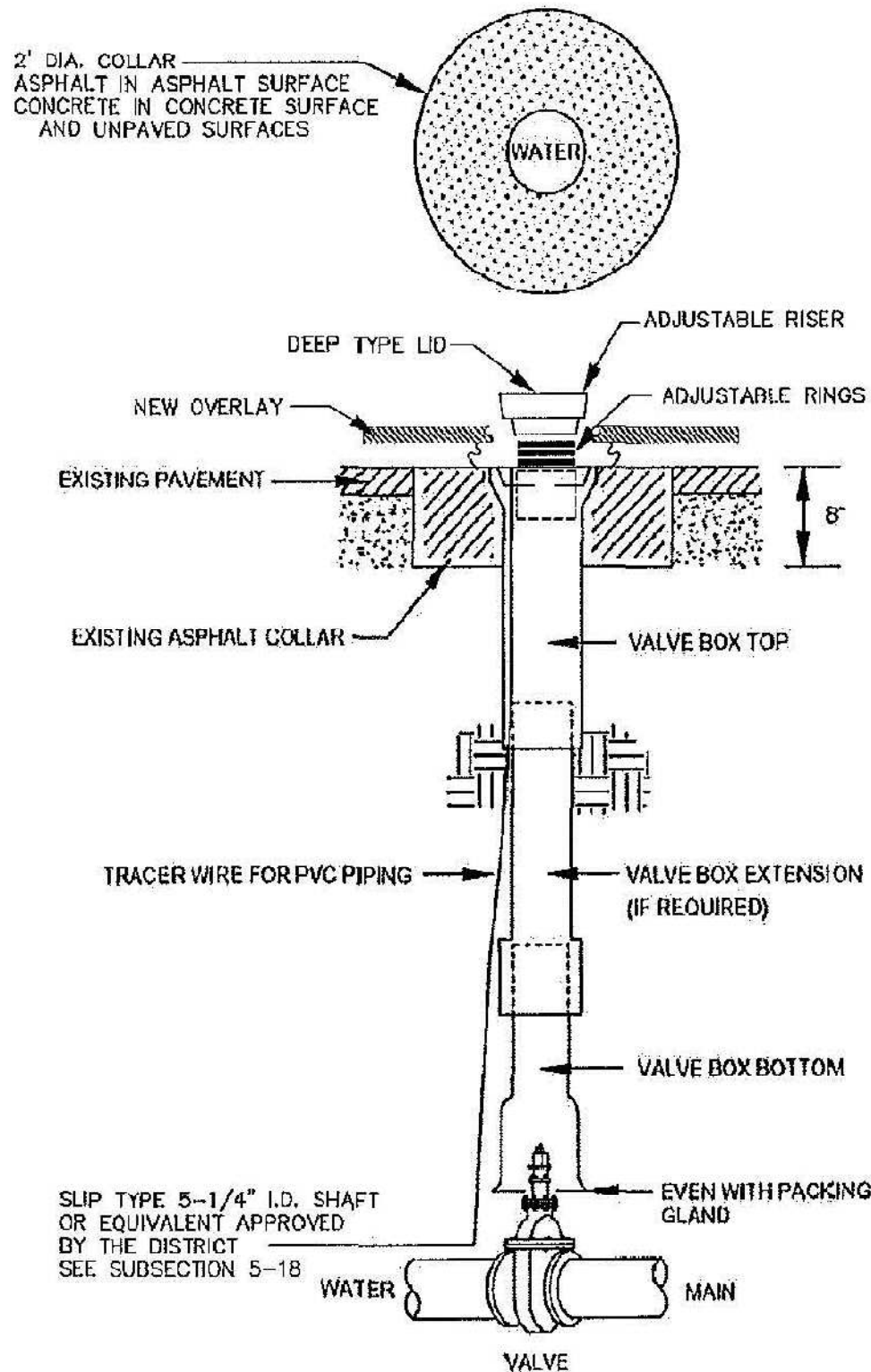
NO.	DESCRIPTION	BY	APP.	DATE
1				
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW
 Check: MLD

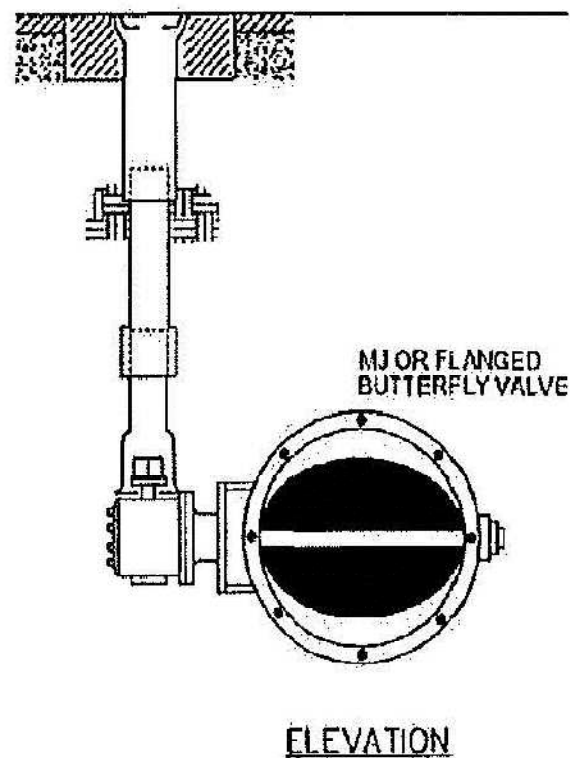
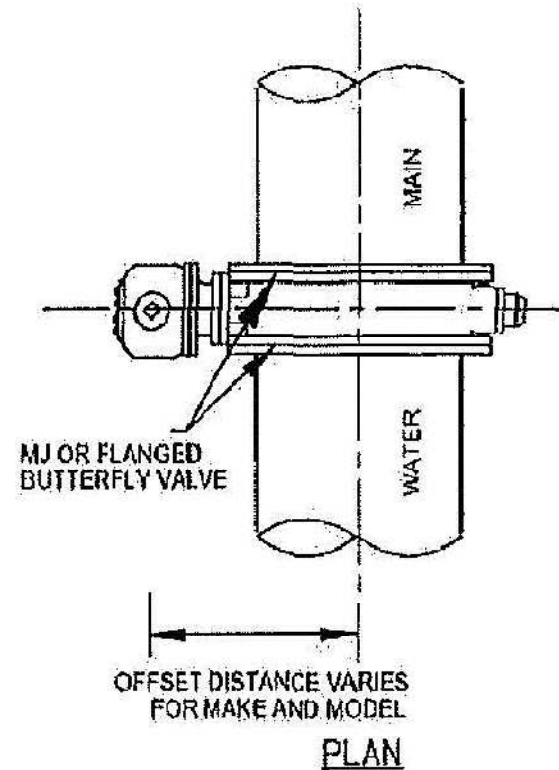
DET-2
 SHEET ---OF

2021/02/01 11:06 AM By: Shelby Heule N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_Pipeline_Civil_Details.dwg

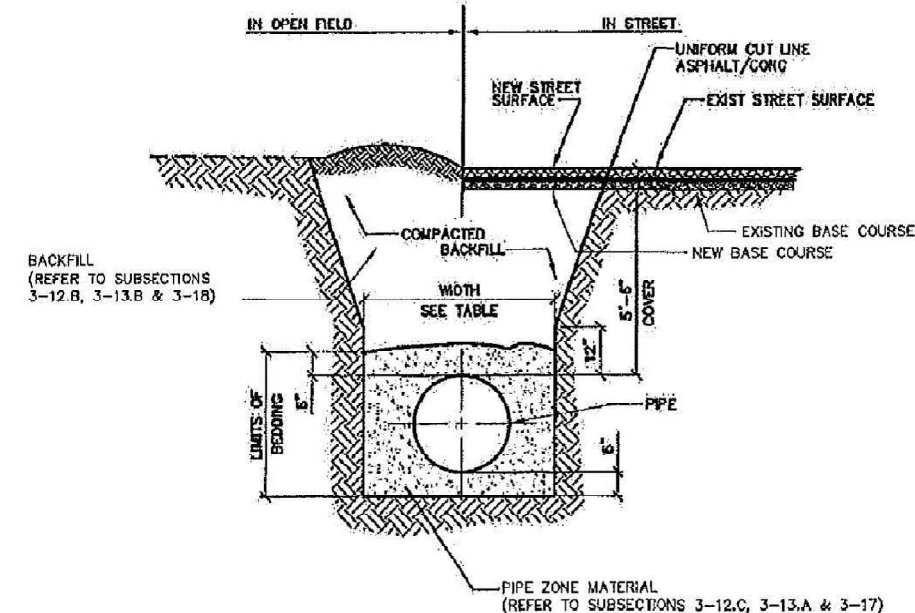


NOTE: MAIN AND FIRE HYDRANT VALVES AND VALVE BOXES SHALL BE LOCATED IN THE PAVEMENT SURFACE OF THE STREET, AND SHALL NOT BE IN THE CURB PAN, CURB OR SIDEWALK.

A VALVE BOX INSTALLATION
DET-3 SCALE: N.T.S.



NOTE: MAKE AND MODEL MAY VARY FROM SCHEMATIC SHOWN IN DETAIL. CONTROL VALVE MAY BE LOCATED ON THE TOP OR SIDE.




TYPICAL TRENCH SECTION

NOTES:

1. PAVING SURFACE SHALL COMPLY WITH PAVEMENT SECTION 6.
2. TRENCH WALLS TO BE SUPPORTED AS REQUIRED BY OSHA-SUBPART P.
3. MINIMUM COVER TO BE BELOW OFFICAL STREET GRADE (SEE DETAIL 1).

PIPE #	MIN WIDTH	MAX WIDTH
4"	1'-4"	2'-4"
6"	1'-6"	2'-6"
8"	1'-8"	2'-8"
12"	2'-0"	3'-0"
18"	2'-4"	3'-4"
20"	2'-6"	3'-8"
24"	4'-0"	5'-0"

2005 MODIFIED DRAWING FROM DENVER WATER [SHEET 10]



TRIVIEW METROPOLITAN DISTRICT
174 N. Washington Street Suite C
P.O. Box 849
Monument, CO 80132-0849
(719) 488-6868 Fax: (719) 488-6565

**TYPICAL TRENCH SECTION
PIPE PROTECTION**

DETAIL 2

JDS-HYDRO a Division of **RESPEC**
5540 TECH CENTER DR SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072
DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM
CIVIL DETAILS

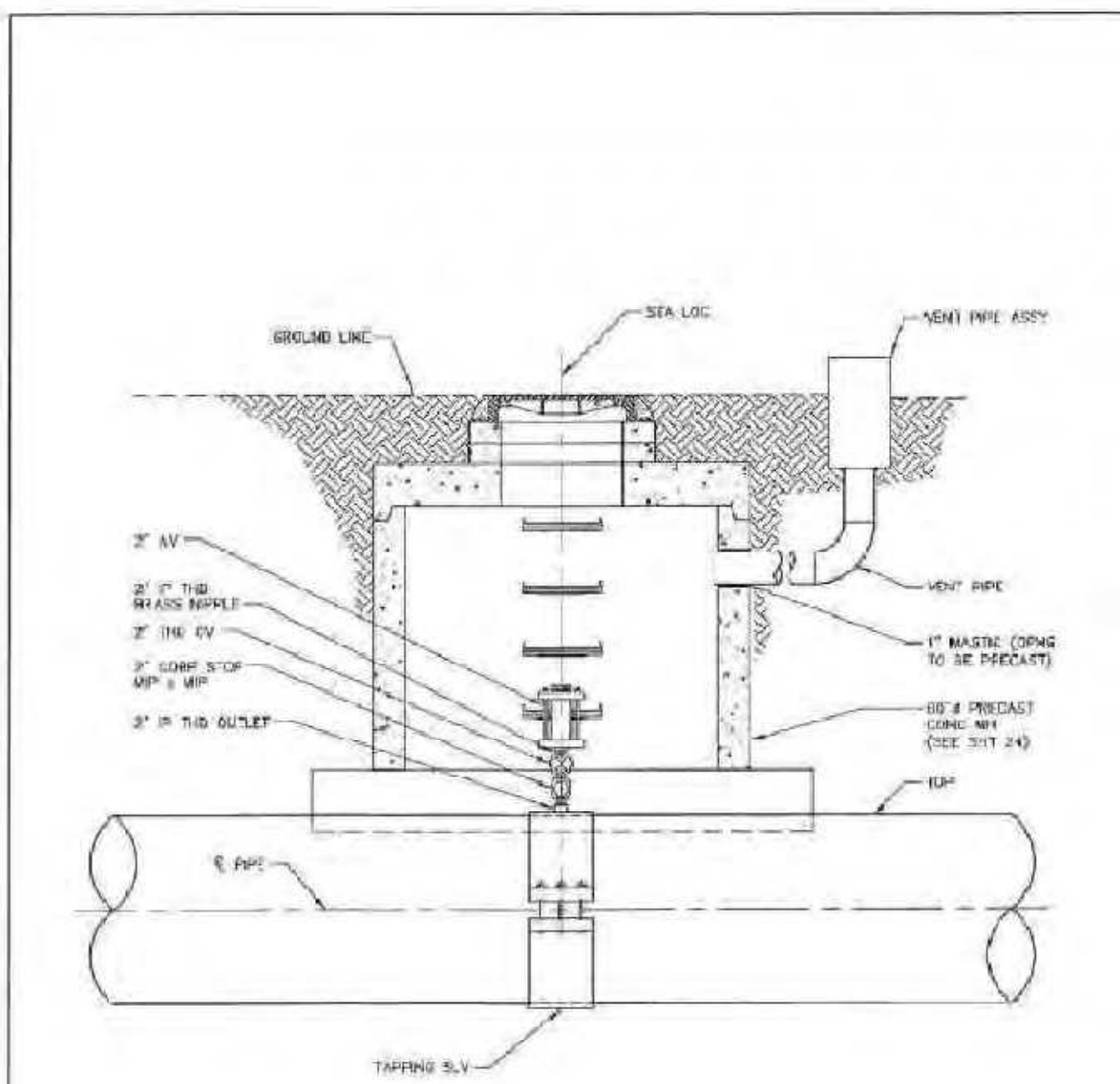
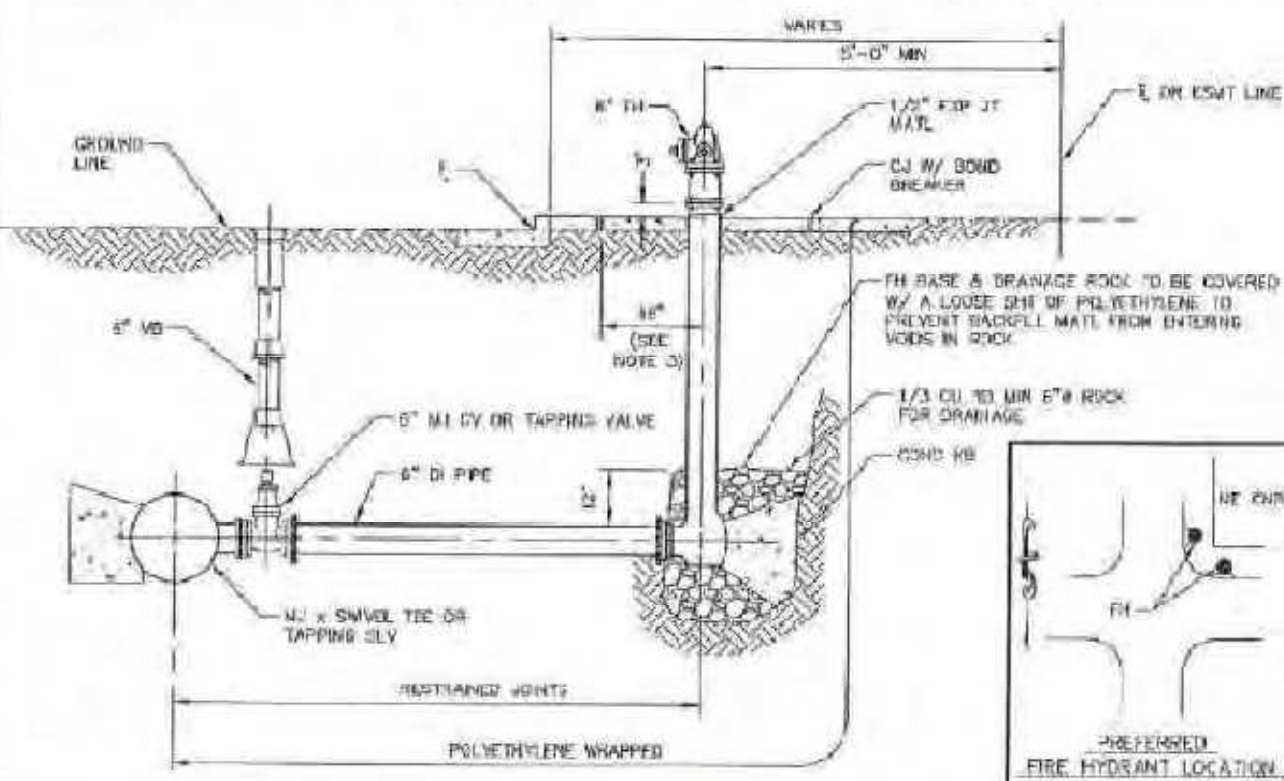
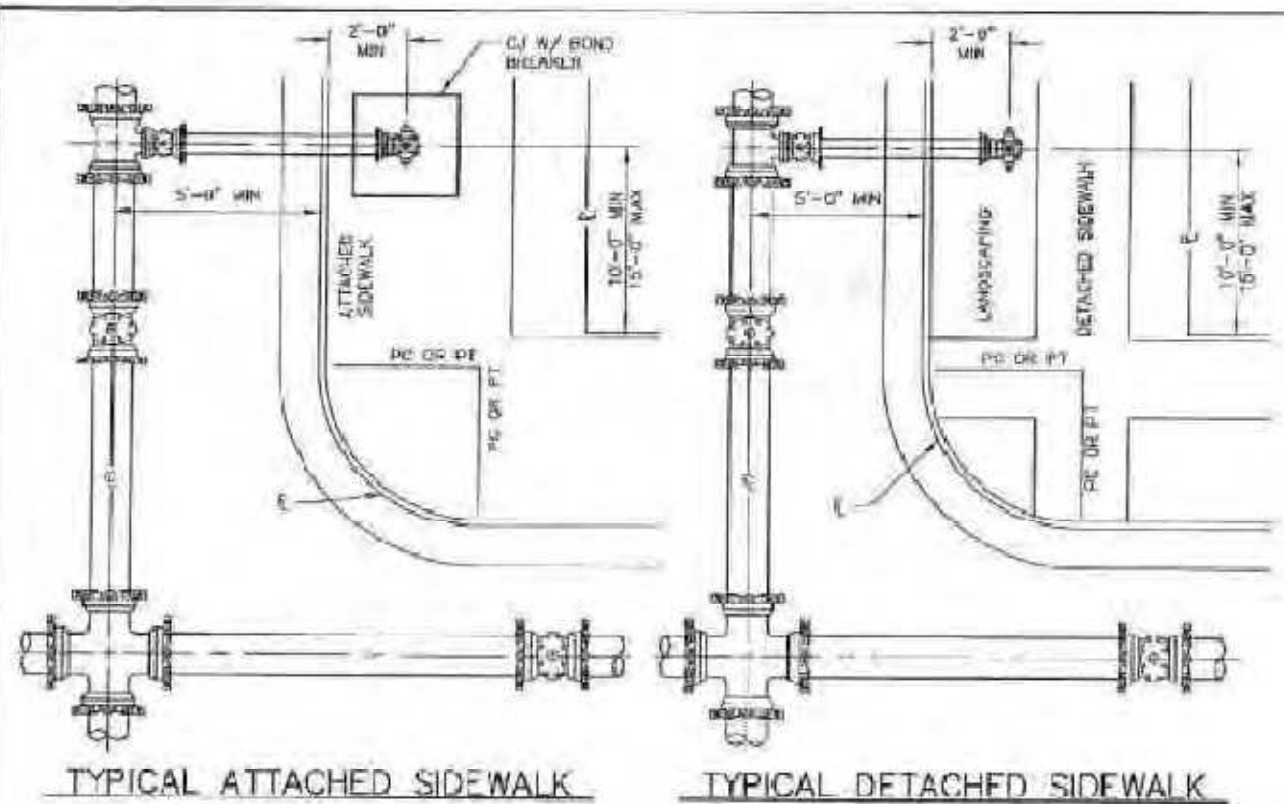
NO.	DESCRIPTION	BY	APP.	DATE
1				
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
Date: 06/03/22
Design: MLD
Drawn: SNW
Check: MLD

DET-3
SHEET --- OF ---

2023/02/01 11:06 AM By: Shelby Heule NA\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_Pipeline_Civil_Details.dwg



NOTES:

- A WELD-ON OUTLET IS PERMISSIBLE IF A QUALIFIED WELDER AND PROCEDURES ARE USED BY THE HWY MANUFACTURER IN ACCORDANCE WITH AWS/AWS D11.2.
- COAT PIPE, VALVE AND FITTINGS IN ACCORDANCE WITH MS-26.

TRIVIEW METROPOLITAN DISTRICT

SINGLE AIR VALVE ASSEMBLY (16" & 20" DUCTILE IRON MAINS)

Scale: NONE Date: May 2018

- NOTES:**
- NO HORIZONTAL OR VERTICAL BENDS ARE ALLOWED IN FIRE HYDRANT BRANCH.
 - DO NOT COVER OR PLUG DRAIN HOLES WITH CONCRETE.
 - PROVIDE A 32-INCH BY 32-INCH BY 4-INCH CONCRETE PAD WITH CONSTRUCTION JOINT BOND BREAKERS WHEN FIRE HYDRANT IS INSTALLED IN SIDEWALK OR SIMILAR PAVED AREA.
 - FIRE HYDRANT SHALL NOT BE INSTALLED WITHIN CURB RAMP.

TRIVIEW METROPOLITAN DISTRICT

PLAN, PROFILE, & LOCATION FOR FIRE HYDRANTS, MAINS, & VALVES

Scale: NONE Date: May 2018

JDS-HYDRO a Division of **RESPEC**
 5540 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

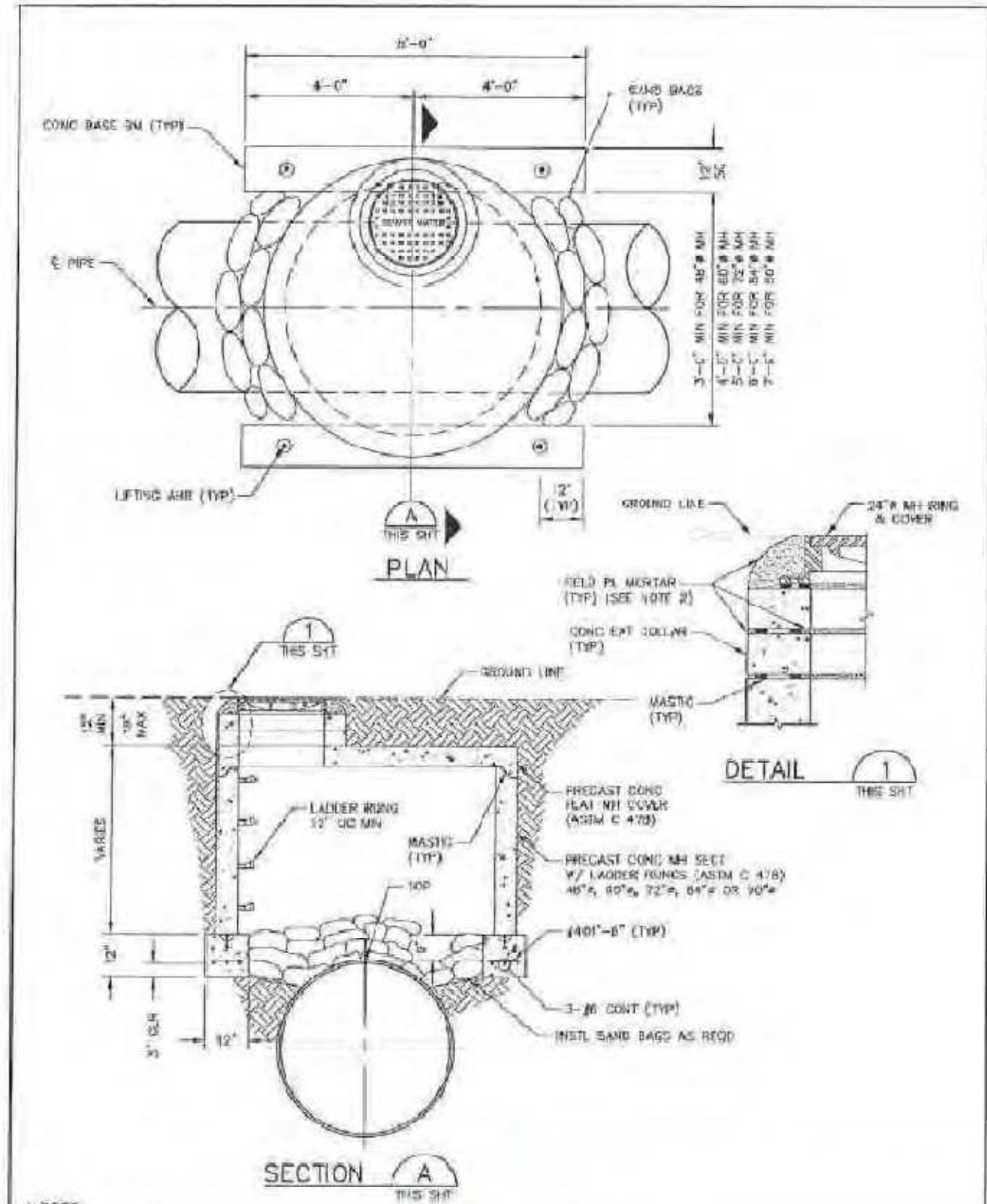
TRIVIEW METROPOLITAN DISTRICT
 NORTHERN DELIVERY SYSTEM
 CIVIL DETAILS

NO.	DESCRIPTION	BY	APP.	DATE
1				
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
 Date: 06/03/22
 Design: MLD
 Drawn: SNW/AMY
 Check: MLD

DET-4
 SHEET ---OF---

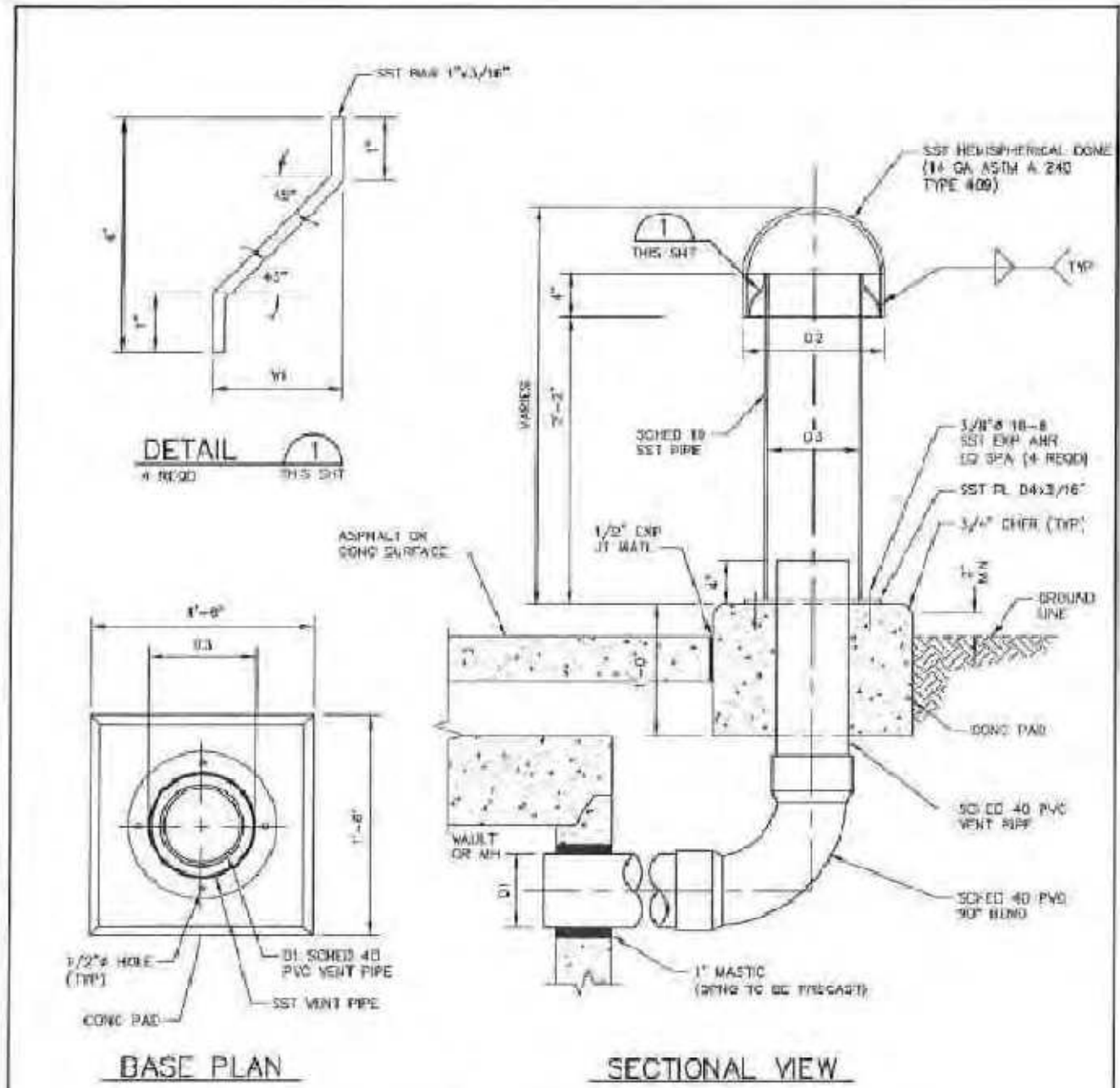


- NOTES:**
- FOR ACCESS AND AIR VALVE MANHOLES.
 - CONCRETE EXTENSION COLLARS, MANHOLE RINGS, AND 6-INCH VALVE BOXES SHALL BE FIELD MORTAR'D. MORTAR: 1 PART PORTLAND CEMENT TO 3 PARTS SAND UNIFORMING TO ASTM C 35.

TRIVIEW METROPOLITAN DISTRICT

TYPICAL CONCRETE MANHOLE INSTALLATION

Scale: NONE Date: May 2018



VENT PIPE Ø IN VAULT	CAP Ø	VENT CAP PIPE NOMINAL Ø	FLANGE Ø	BRACKET WIDTH
D1	D2	D3	D4	W1
6"	14"	6"	12"	3 1/4"
8"	18"	10"	14"	3 1/16"
10"	24"	12"	16"	4 15/16"

NOTE:
COAT ASSEMBLY WITH EPOXY, 8 MILS MINIMUM COLOR: BLACK GREEN FLAT

TRIVIEW METROPOLITAN DISTRICT

6" Ø RESIDENTIAL VENT PIPE ASSEMBLY

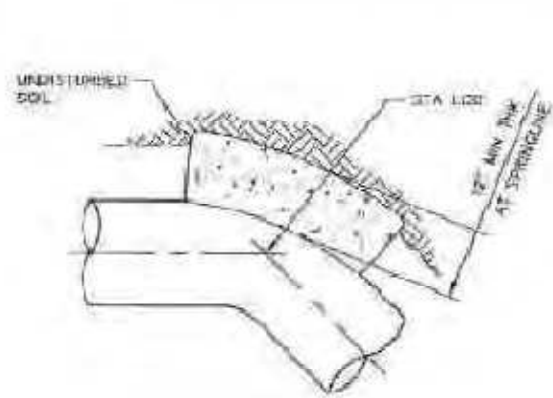
Scale: NONE Date: May 2018

NO.	DESCRIPTION	BY	APP.	DATE
1				
2				
3				
4				
5				
6				
7				

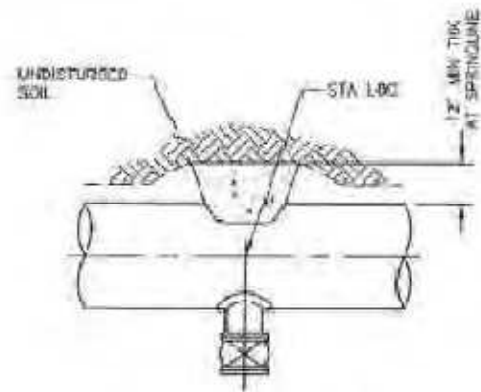
95% DESIGN

Project No.: 224.29
Date: 06/03/22
Design: MLD
Drawn: AMY
Check: MLD

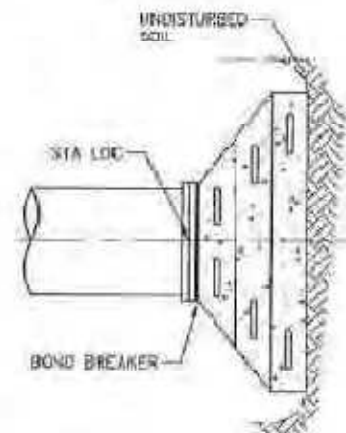
2023/02/01 11:06 AM By: Shelby Heule NA:Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Baptist - Roller Coaster\22429_Pipeline_Civil_Details.dwg



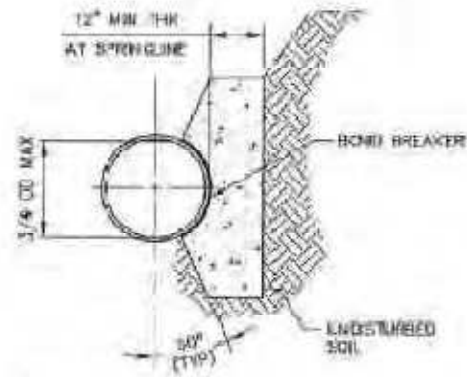
PLAN-TYPE 1



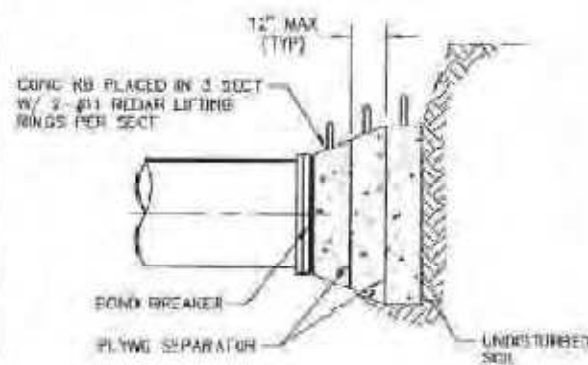
PLAN-TYPE 2



PLAN-TYPE 3



ELEVATION-TYPE 1 & 2



ELEVATION-TYPE 3

MINIMUM BEARING SURFACE AREA
(IN SQUARE FEET)

NOMINAL PIPE Ø	BENDS				TEE OR DEAD END
	11 1/4°	22 1/2°	45°	90°	
4"	1.00	1.00	1.00	1.75	1.25
6"	1.00	1.25	2.25	3.25	2.75
8"	1.00	2.00	3.75	6.75	5.00
12"	2.25	4.25	8.25	15.00	11.75
16"	3.25	7.50	14.25	26.50	18.75
20"	5.00	9.75	18.25	35.50	25.00

NOTES:

- THE MINIMUM BEARING SURFACE AREAS SHOWN IN THE TABLE ARE BASED ON 150 POUNDS PER SQUARE INCH INTERNAL PIPE PRESSURE PLUS WATER HAMMER AND 3000 POUNDS PER SQUARE FOOT ALLOWABLE SOIL BEARING CAPACITY.
 - A. WATER HAMMER = 110 POUNDS PER SQUARE INCH FOR 4-INCH, 6-INCH, 8-INCH, 12-INCH, AND 16-INCH.
 - B. WATER HAMMER = 70 POUNDS PER SQUARE INCH FOR 20-INCH.
- SEE SPECIFICATION SECTIONS 5.29 AND 8.18 FOR ADDITIONAL KICKBLOCK REQUIREMENTS.



TRIVIEW METROPOLITAN DISTRICT

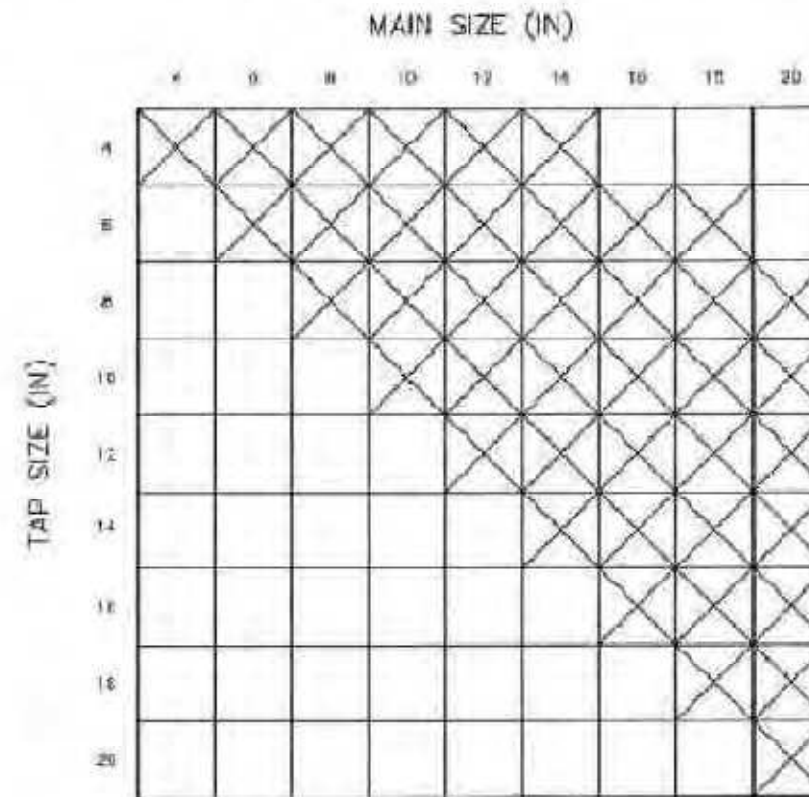
CONCRETE KICKBLOCKS BEARING SURFACES & INSTALLATION

Scale: NONE

Date: May 2018

SHEET 18

WATER MAIN & TAP SIZE COMBINATIONS WHICH REQUIRE A CONC KB BEHIND THE MAIN AT THE TAPPING SLV, SADDLE, OR TEE



KICKBLOCK REQUIREMENTS FOR WATER MAIN AND TAP SIZE COMBINATIONS OTHER THAN THOSE SHOWN WILL REQUIRE SPECIAL DESIGN APPROVAL BY DENVER WATER

LEGEND:



CONCRETE KICKBLOCK REQUIRED



TRIVIEW METROPOLITAN DISTRICT

CONCRETE KICKBLOCK REQUIREMENTS FOR WATER MAIN & TAP SIZE COMBO

Scale: NONE

Date: May 2018

SHEET 18

JDS-HYDRO a Division of **RESPEC**
5540 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072
DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO, A DIVISION OF RESPEC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

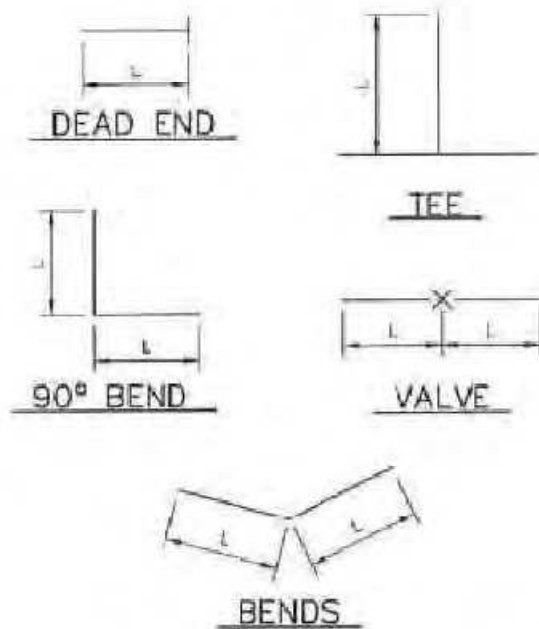
TRIVIEW METROPOLITAN DISTRICT
NORTHERN DELIVERY SYSTEM
CIVIL DETAILS

NO.	DESCRIPTION	BY	APP.	DATE
1				
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
Date: 06/03/22
Design: MLD
Drawn: AMY
Check: MLD

DET-6
SHEET ---OF



LENGTH OF RESTRAINED PIPE

NOMINAL PIPE Ø	FITTING				
	90° BEND, TEE, DEAD END	VALVE	45° BEND	22 1/2° BEND	11 1/4° BEND
4"	30'	30'	8'	2'	1'
6"	46'	46'	13'	3'	1'
8"	61'	61'	18'	5'	1'
12"	90'	90'	26'	7'	2'
16"	116'	116'	34'	9'	2'
20"	141'	141'	41'	11'	3'

NOTES:

1. LENGTH OF RESTRAINED PIPE IS MEASURED DISTANCE EACH WAY FROM VALVES AND BENDS.
2. MINIMUM 4-FOOT 6-INCH BURY DEPTH REQUIRED.
3. BASED ON 150 POUNDS PER SQUARE INCH WORKING PRESSURE.
4. CROSSES SHALL BE RESTRAINED IN ALL DIRECTIONS.
5. WHEN REDUCERS ARE USED ON A VALVE INSTALLATION THE LENGTH OF RESTRAINT SHALL BE BASED ON THE SIZE OF THE PIPE NOT THE SIZE OF THE VALVE.

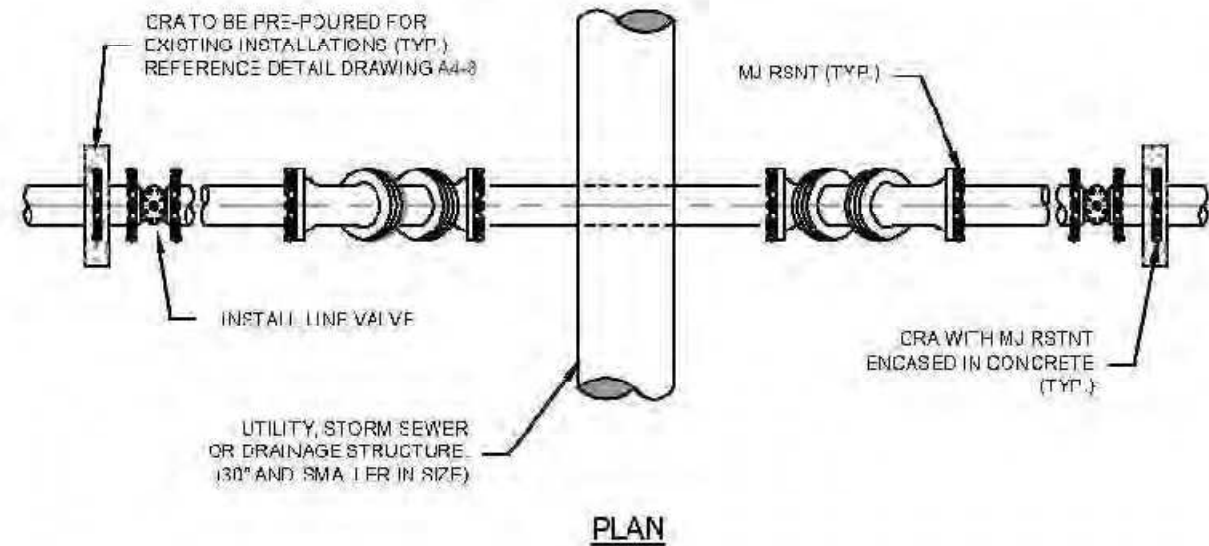


TRIVIEW METROPOLITAN DISTRICT

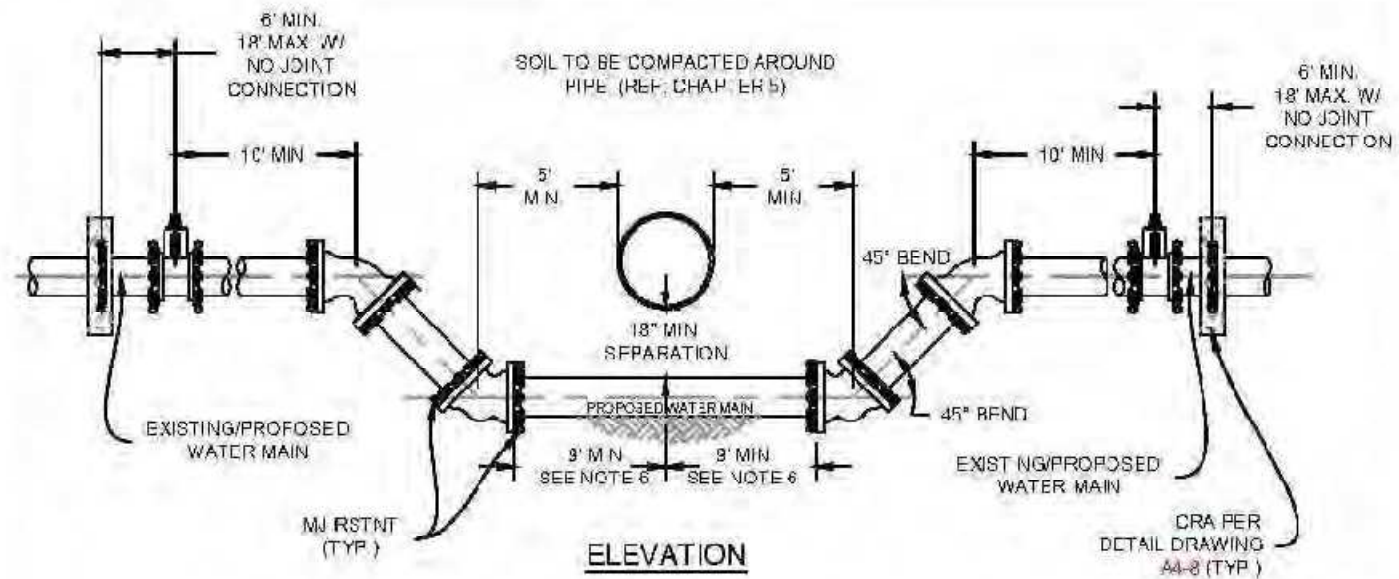
LENGTH OF RESTRAINED PIPE

Scale: NONE

Date: May 2018



FINAL/EXISTING GRADE



NOTES:

1. ALL DUCTILE IRON FITTINGS AND PIPE SHALL BE CATHODICALLY PROTECTED PER SECTION 2.6.1.
2. ALL FITTINGS SHALL HAVE MJ RESTRAINTS IN ACCORDANCE WITH CHAPTER 5.
3. EXAMPLE CAN VARY DUE TO SITE CONDITIONS AND COLORADO SPRINGS UTILITIES INSPECTOR'S DIRECTION.
4. RESTRAINED JOINTS ARE REQUIRED WITHIN LOWERING.
5. NO TAPS OR TEES ARE ALLOWED WITHIN THE LOWERING.
6. WHERE WATER MAIN CROSSES UNDER STORM SEWER, WASTEWATER OR NON-POTABLE WATER INFRASTRUCTURE, A MINIMUM OF 9 FEET REQUIRED BETWEEN THE CENTERLINE OF THE CROSSING AND THE FIRST JOINT. THIS MEETS THE REQUIREMENTS FOR SECONDARY CONTAINMENT AS DESCRIBED IN SECTION 2.6-H.2.



**LOWERING DETAIL
UTILITY CROSSING 30" & SMALLER**

A7-1

DATED 08/20/15

NO.	DESCRIPTION	BY	APP.	DATE
1				
2				
3				
4				
5				
6				
7				

95% DESIGN

Project No.: 224.29
Date: 06/03/22
Design: MLD
Drawn: AMY
Check: MLD