

TOWN OF MONUMENT - WATERLINE AND STORAGE TANK
 SITE DEVELOPMENT PLANS
 LOT 6, FOREST VIEW ESTATES FILING NO. 4

TOWN OF MONUMENT

2.0 MG WATER STORAGE TANK

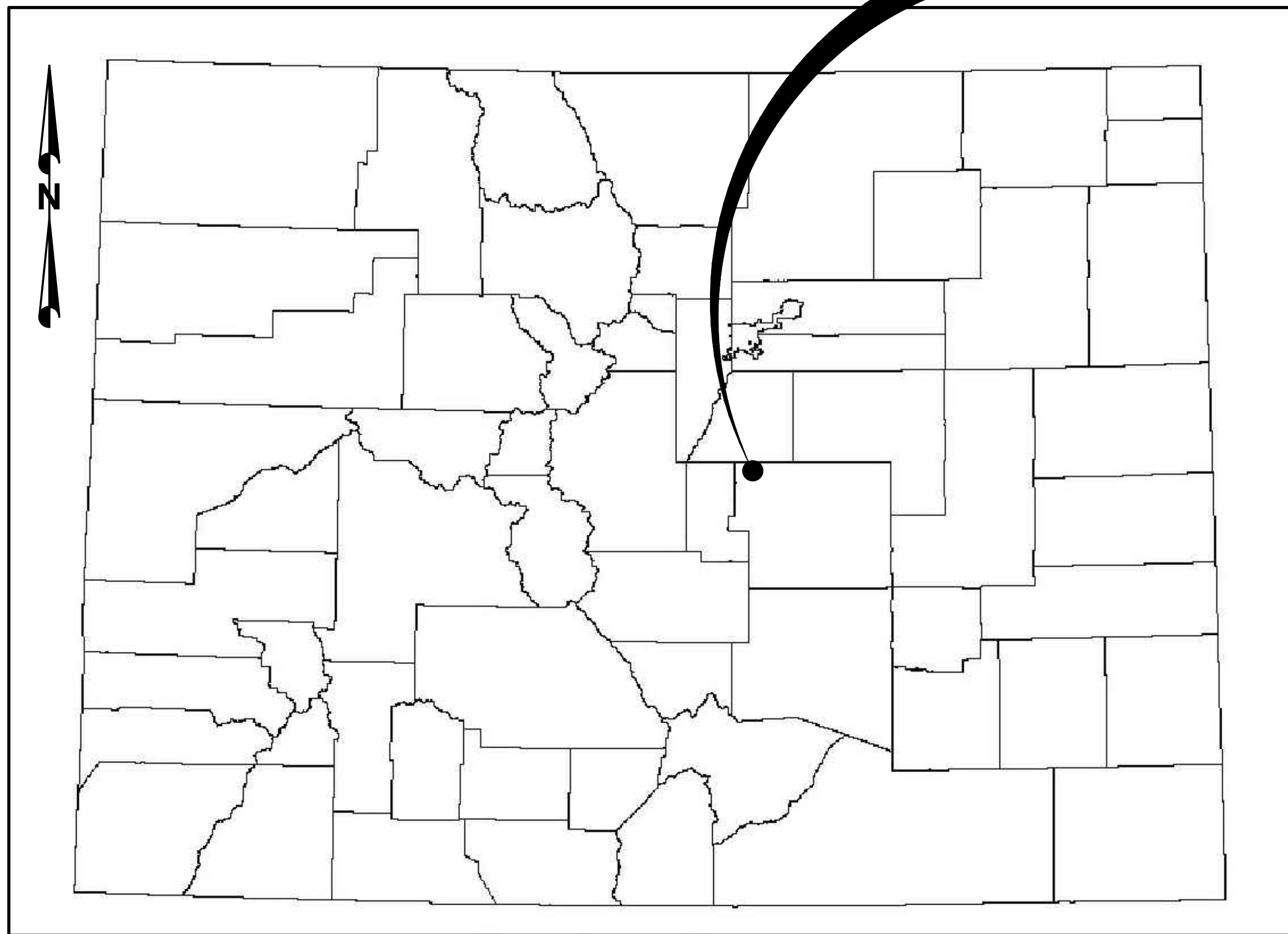
MONUMENT COLORADO

County Wide Traffic Fee Program- BOCC RES 19-471 will apply to this project at the time of building permit. Please contact Victoria Chavez for the fee required to be paid at building permit for the tank site.

Victoria Chavez
 Department of Transportation
 State of Colorado
 Contact: Organization: Memberships: ...
 nation:
 Free until 3:00 PM
 Chat: victoria.chavez@epcolorado.com
 Work phone: 719.535.5888

C:\Clients\Monument\104-20-0125\WhatTime & Storage Tank\CD\Streets\City\El Paso County Submittal\ENGINEERING DRAWINGS\TANK\TANK SITE DEVELOPMENT PLANS.dwg - SCALE - 11/23/2021 8:19 AM

PROJECT LOCATION



PROJECT LOCATION MAP

N.T.S.

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.

[NAME, P.E. #] DATE

OWNER/DEVELOPER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

[NAME, TITLE]
 [BUSINESS NAME]
 [ADDRESS] DATE

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.

JENNIFER IRVINE, P.E. DATE
 COUNTY ENGINEER / ECM ADMINISTRATOR

SHEET INDEX

NO.	TITLE
- -	COVER SHEET
TS 100	SITE PLAN
TS 101	GRADING PLAN
TS 102	TANK PROFILE
TS 103	LANDSCAPING PLAN
E01	ELECTRICAL LEGEND
E02	ELECTRICAL ONE-LINES
E03	ELECTRICAL SITE PLAN

OWNER: TOWN OF MONUMENT
 CONTACT: TOM THARNISH, PUBLIC WORKS DIRECTOR
 PHONE: 719-884-8039
 EMAIL: TTHARNISH@TOMGOV.ORG

APPLICANT: TOWN OF MONUMENT

PLAN PREPARER: FORSGREN ASSOCIATES, INC.
 CONTACT: JAMES ADAMS, PE
 PHONE: 720-214-5884
 EMAIL: JADAMS@FORSGREN.COM

PROPERTY ADDRESS: 744 FOREST VIEW WAY,
 MONUMENT, CO 80132

PROPERTY TAX SCHEDULE NUMBER: 7116204006

LEGAL DESCRIPTION: LOT 6 FOREST VIEW ESTATES IV.

LOT/PARCEL SIZE: 2.55 ACRES

EXISTING/PROPOSED LAND USE AND ZONING: RR-2.5

TOTAL GROSS BUILDING SQUARE FOOTAGE: TANK
 SQUARE FOOTAGE = APPROX. 11,120 SF

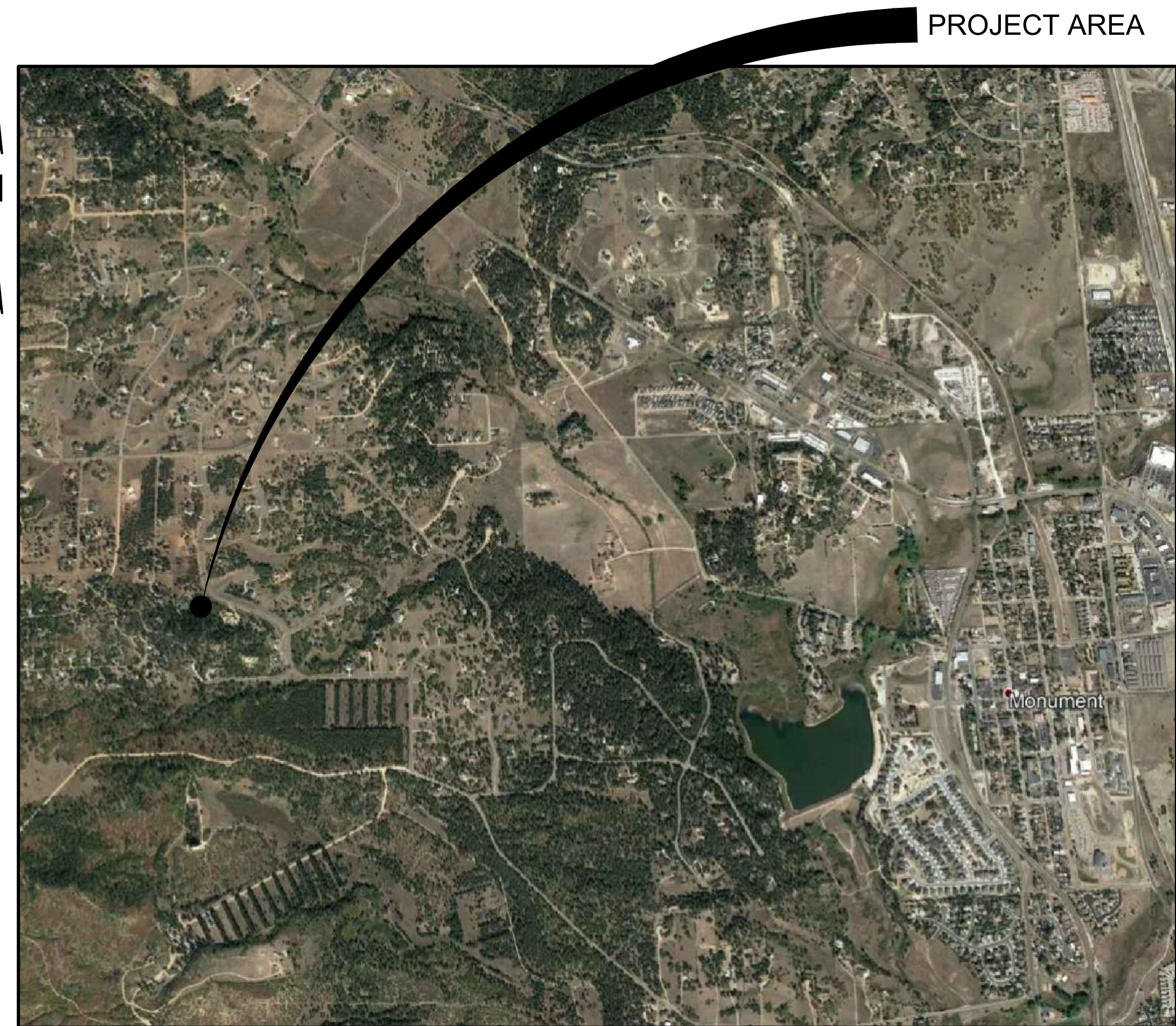
FA PROJECT NO.
 01-18-0124

Please remove these signature blocks from the site development plan. The engineering manager does not approve construction drawings (line CDs) under a site development plan. You can label construction plans in this document as "reference only" since the construction drawings will be reviewed for approval.



delete this... this a submittal for approval... Add the file number to the plans in lower corner; PCD file PPR 21 30

90% SUBMITTAL



VICINITY MAP

N.T.S.

TOWN OF MONUMENT - WATERLINE AND STORAGE TANK SITE DEVELOPMENT PLANS LOT 6, FOREST VIEW ESTATES FILING NO. 4

GENERAL SHEET NOTES:

1. PARCEL SURVEY INFO: LOT 6 FOREST VIEW ESTATES IV, COUNTY OF EL PASO, STATE OF COLORADO, ADDRESS: 744 FOREST VIEW WAY TSN: 7116204006
2. ELEVATIONS ARE BASED ON NGS BENCHMARK "K 294", ELEVATION 7238.31 (NAVD 88), AS STATED ON SURVEY PERFORMED BY BARRON LAND, LLC ON OCTOBER 11, 2016.
3. SITE SURVEY FILE IN CIVIL 3D FORMAT WILL BE MADE AVAILABLE TO CONTRACTOR FOR SITE STAKING/CONSTRUCTION PURPOSES AFTER PROVIDING CAD RELEASE FORM.
4. MOUNTAIN PEAKS TO PROVIDE SCADA PROGRAMMING UNDER NOVARATE CONTRACT W/ OWNER. CONTRACTOR TO PROVIDE EQUIPMENT AS PART OF THE TANK PROJECT.
5. CONTRACTOR TO PLACE SILT FENCE PRIOR TO START OF CONSTRUCTION. SILT FENCE TO BE MAINTAINED IN ACCORDANCE WITH EROSION PROTECTION BMP'S THROUGHOUT THE DURATION OF THE PROJECT.
6. 6-FOOT HIGH CHAIN LINK FENCE WITH FOREST GREEN PVC COAT. 6-FOOT HIGH POOL STYLE WROUGHT IRON FENCE AS BID ALTERNATE ALONG ROAD FRONTAGE. REAR AND SIDE FENCES WILL BE 6-FOOT CHAIN LINK.
7. REAR AND SET BACKS TO BE 25'
8. No advertisement "Town of Monument" sign-age permitted on tank; required safety sign-age only.

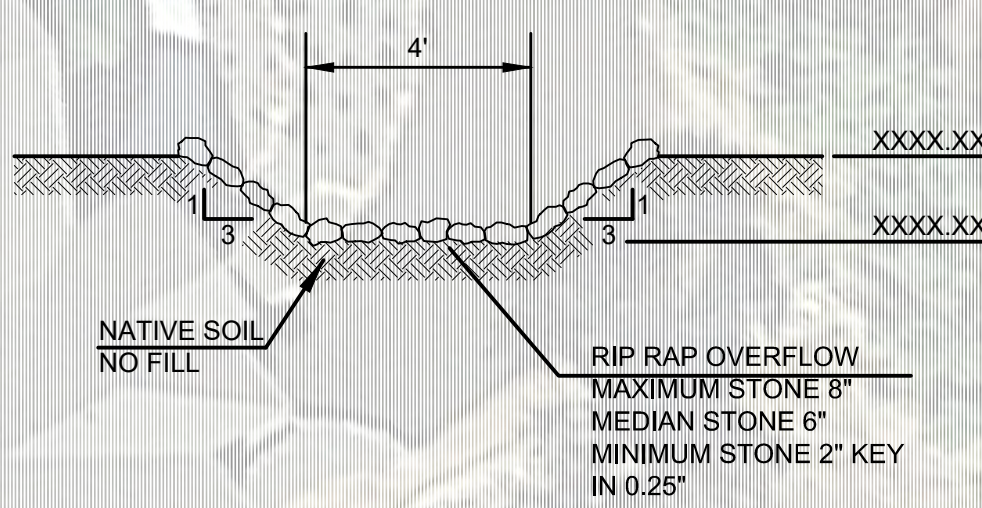
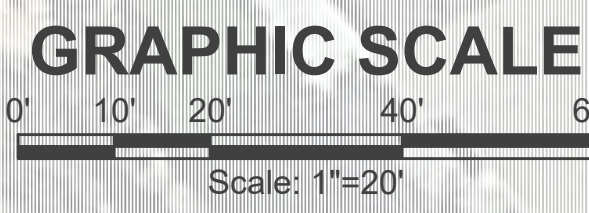
FORSGREN Associates Inc.
56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
PH: 720.232.6644

PROJECT NO.	
DRAWN	
DESIGNED	
APPROVED	
DATE	

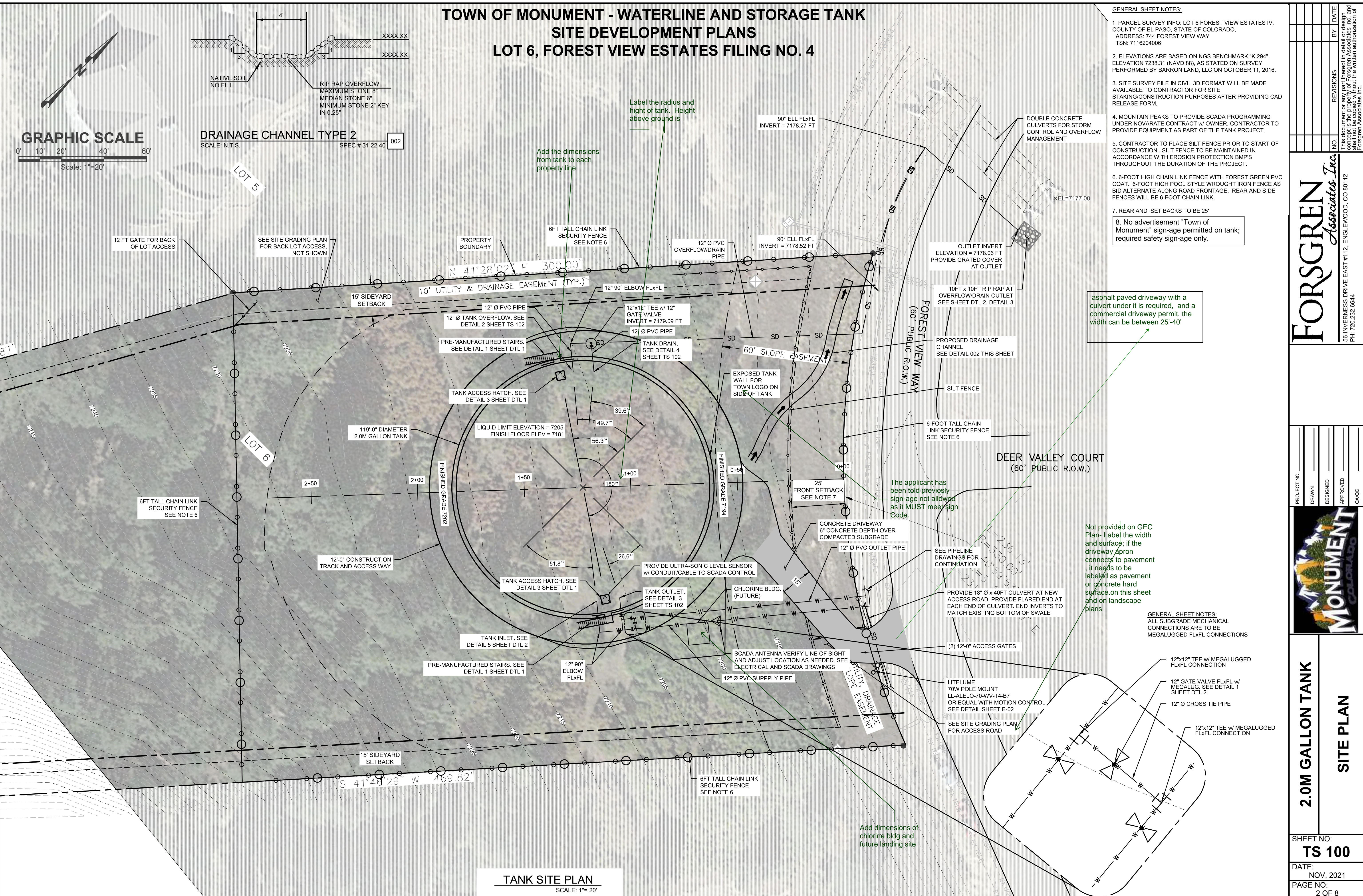


2.0M GALLON TANK SITE PLAN

SHEET NO: **TS 100**
DATE: NOV, 2021
PAGE NO: 2 OF 8



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TANK SITE PLAN
SCALE: 1"= 20'

Not provided on GEC Plan- Label the width and surface; if the driveway apron connects to pavement, it needs to be labeled as pavement or concrete hard surface on this sheet and on landscape plans

The applicant has been told previously sign-age not allowed as it MUST meet sign Code.

GENERAL SHEET NOTES:
ALL SUBGRADE MECHANICAL CONNECTIONS ARE TO BE MEGALUGGED FLxFL CONNECTIONS

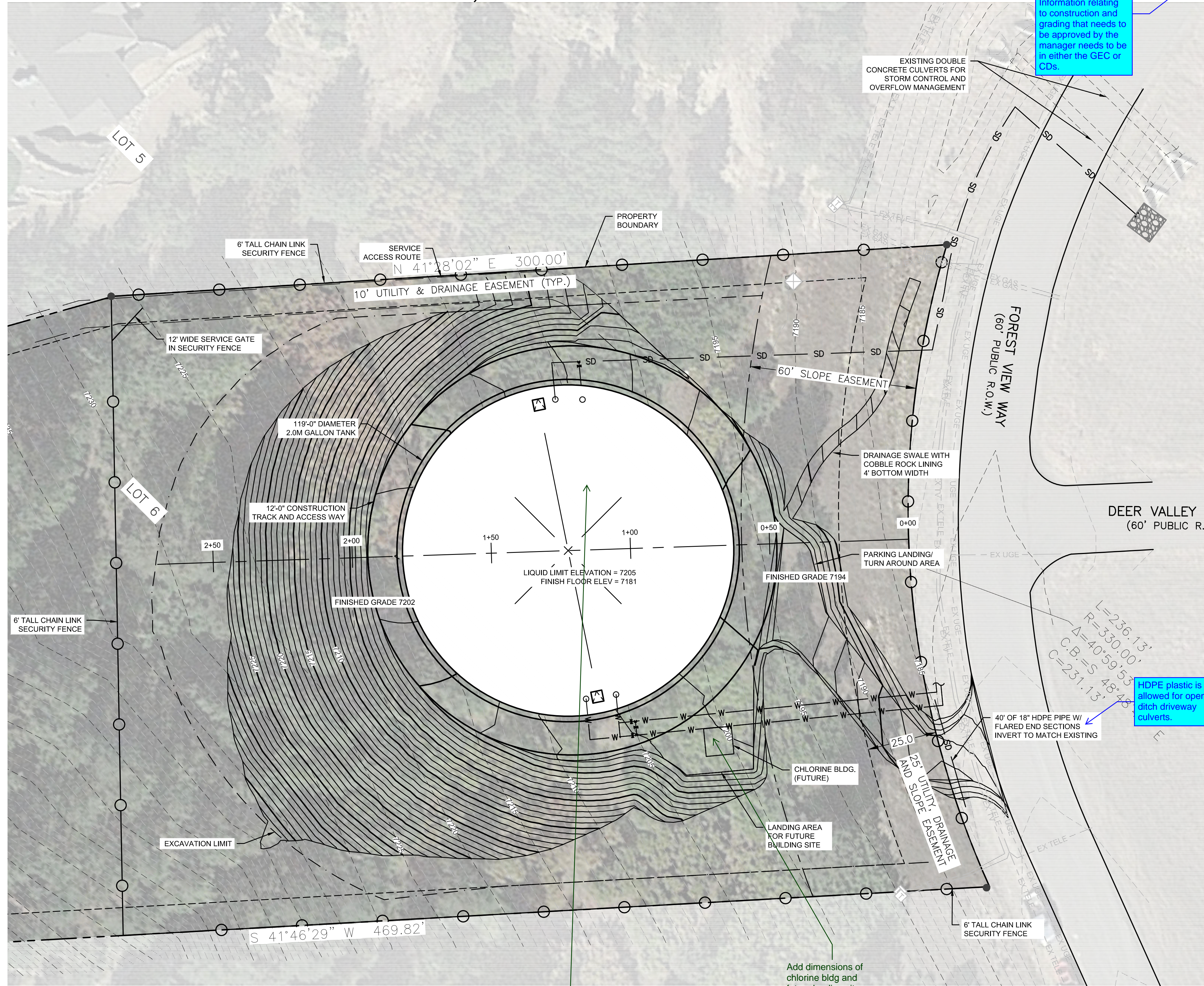
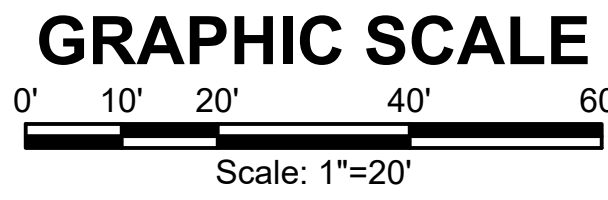
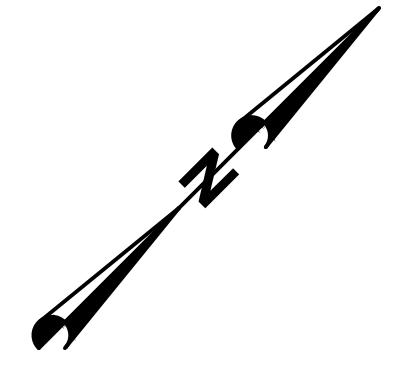
Add dimensions of chlorine bldg and future landing site

Label the radius and height of tank. Height above ground is

Add the dimensions from tank to each property line

asphalt paved driveway with a culvert under it is required, and a commercial driveway permit. the width can be between 25'-40'

**TOWN OF MONUMENT - WATERLINE AND STORAGE TANK
SITE DEVELOPMENT PLANS
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Please copy these grading notes to the grading and erosion control plan. FYI: Information relating to construction and grading that needs to be approved by the manager needs to be in either the GEC or CDs.

- GRADING NOTES**
- GRADING SHOWN ON PLAN REFLECTS THE EXISTING AND FINISHED GRADE FOR THE TANK SITE.
 - TEMPORARY EXCAVATIONS FOR CONSTRUCTION OF THE TANK AND ASSOCIATED UTILITIES SHALL FOLLOW RECOMMENDATION OF THE GEOTECHNICAL REPORT PREPARED BY NINYO & MOORE DATED NOVEMBER 18, 2016.
 - FINISHED GRADES SHALL NOT EXCEED A 2 HORIZONTAL TO 1 VERTICAL SLOPE UNLESS SPECIFICALLY AGREED TO IN WRITING BY THE ENGINEER FOR LIMITED LOCATIONS ON THE SITE WHERE EXPOSED ROCK MAY ALLOW A STEEPER SLOPE AND WHERE NECESSARY TO CATCH THE EXISTING SURFACE.
 - SITE RESTORATION SHALL CONSIST OF PLACEMENT/REPLACEMENT OF 4" MINIMUM DEPTH TOPSOIL OVER LOOSELY COMPACTED SUB-SURFACE MATERIAL.
 - TOPSOIL SHALL BE COVERED BY A DOUBLE NET STRAW/COCONUT BLANKET WITH BIODEGRADEABLE NETTING. BLANKET SHALL BE INSTALLED AND ANCHORED PER MANUFACTURER RECOMMENDATIONS.
 - HYDROSEED WITH APPROVED NATIVE GRASS MIX.

delete this from all pages- this is for a construction approval

HDPE plastic is not allowed for open ditch driveway culverts.

TANK SITE GRADING PLAN
SCALE: 1"= 20'

Add circumference and total gallon storage

NO.	REVISIONS	BY	DATE

FORSGREN Associates Inc.
56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
PH: 720.232.6644

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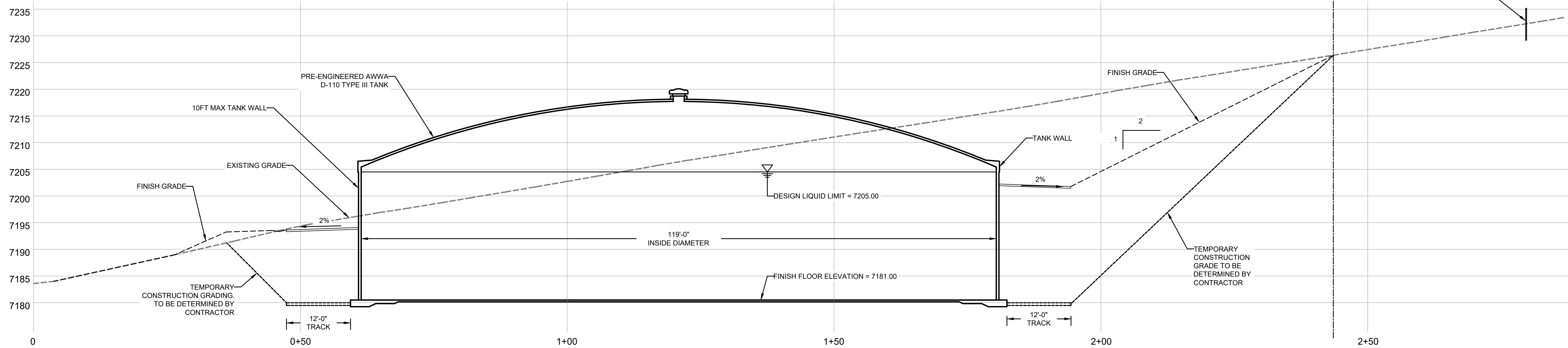
**2.0M GALLON TANK
SITE GRADING PLAN**

SHEET NO:
TS 101
DATE:
NOV, 2021
PAGE NO:
3 OF 8

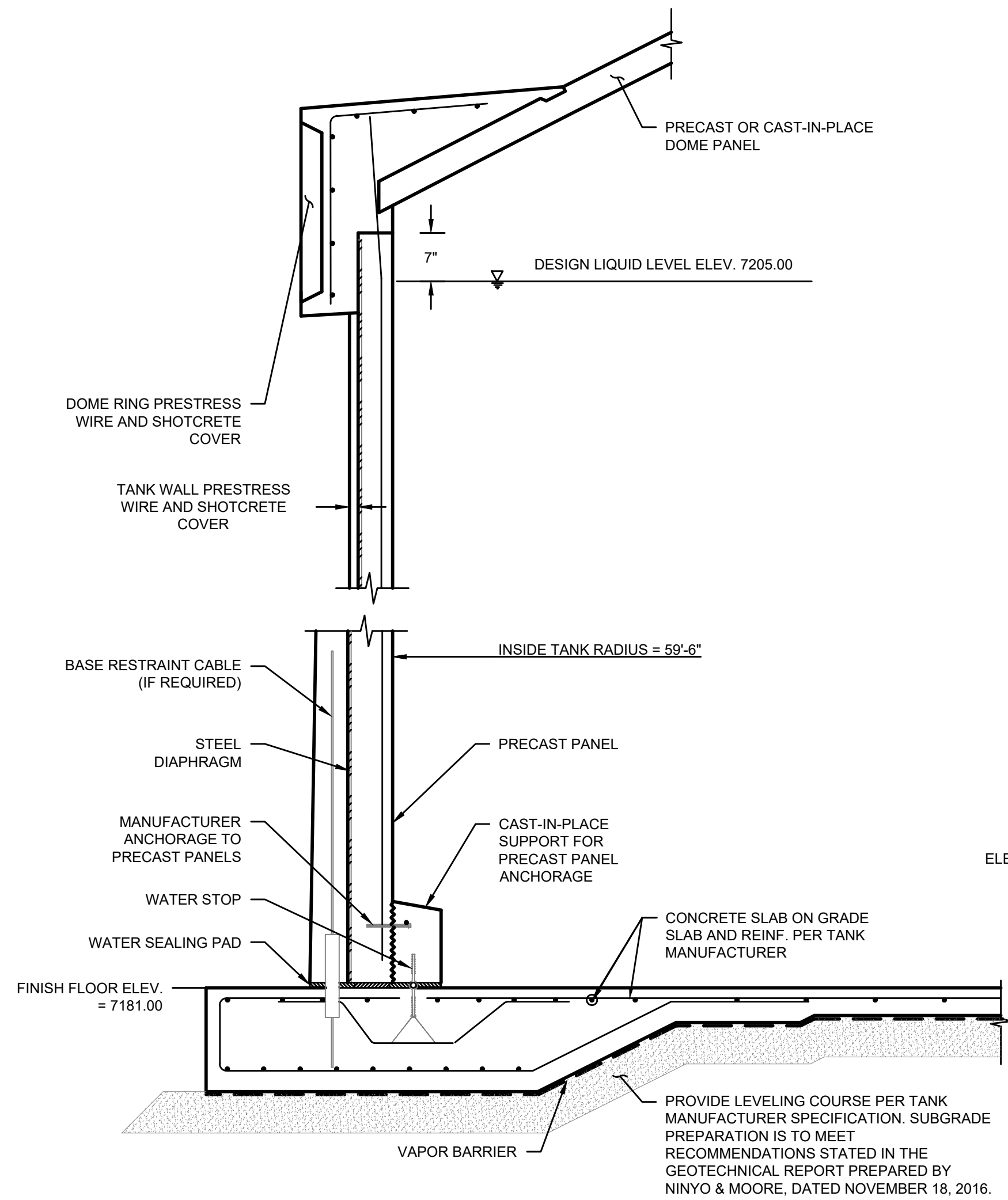
90% SUBMITTAL

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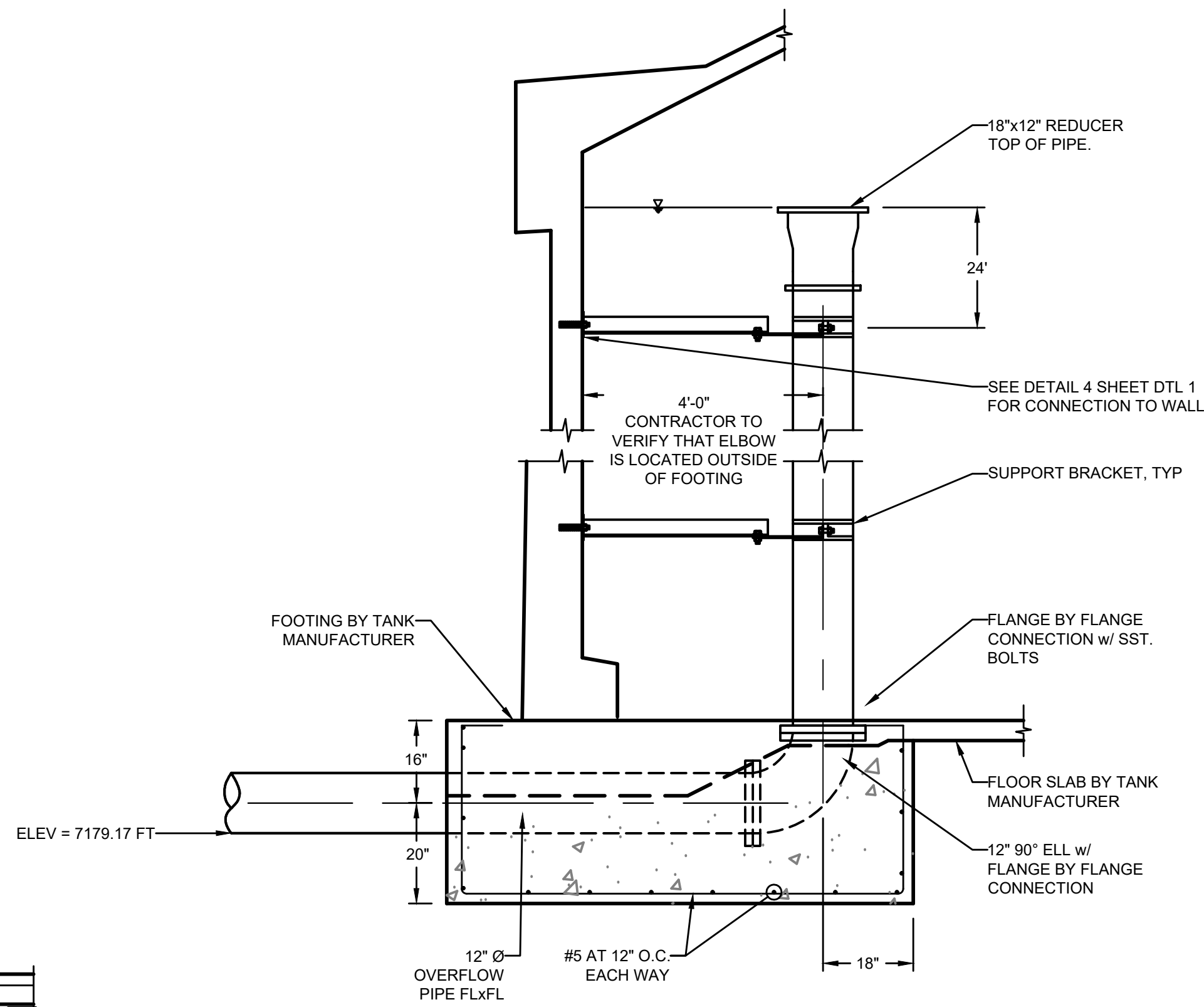
**TOWN OF MONUMENT - WATERLINE AND STORAGE TANK
SITE DEVELOPMENT PLANS
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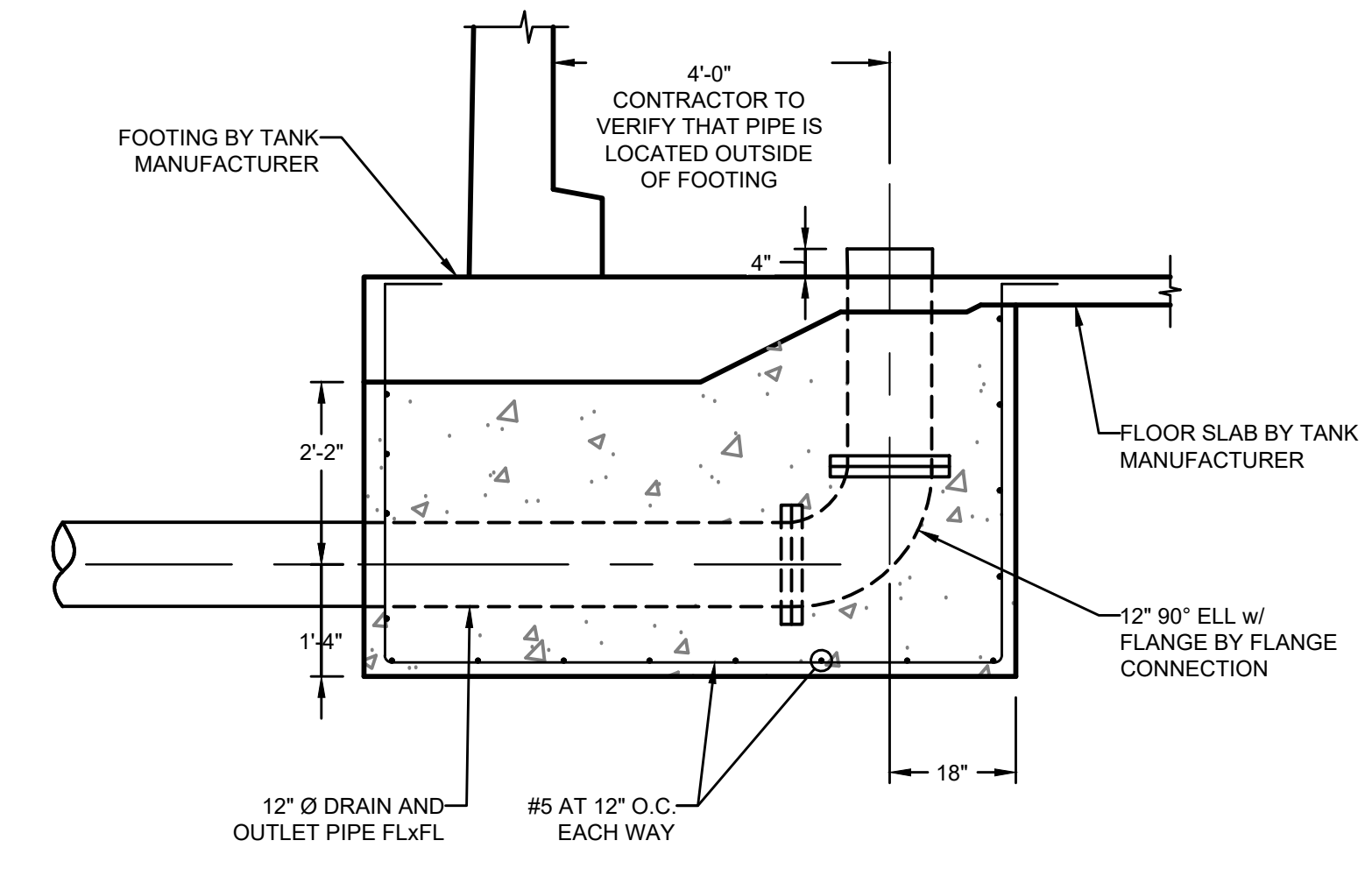
TANK PROFILE
SCALE: 1" = 10'



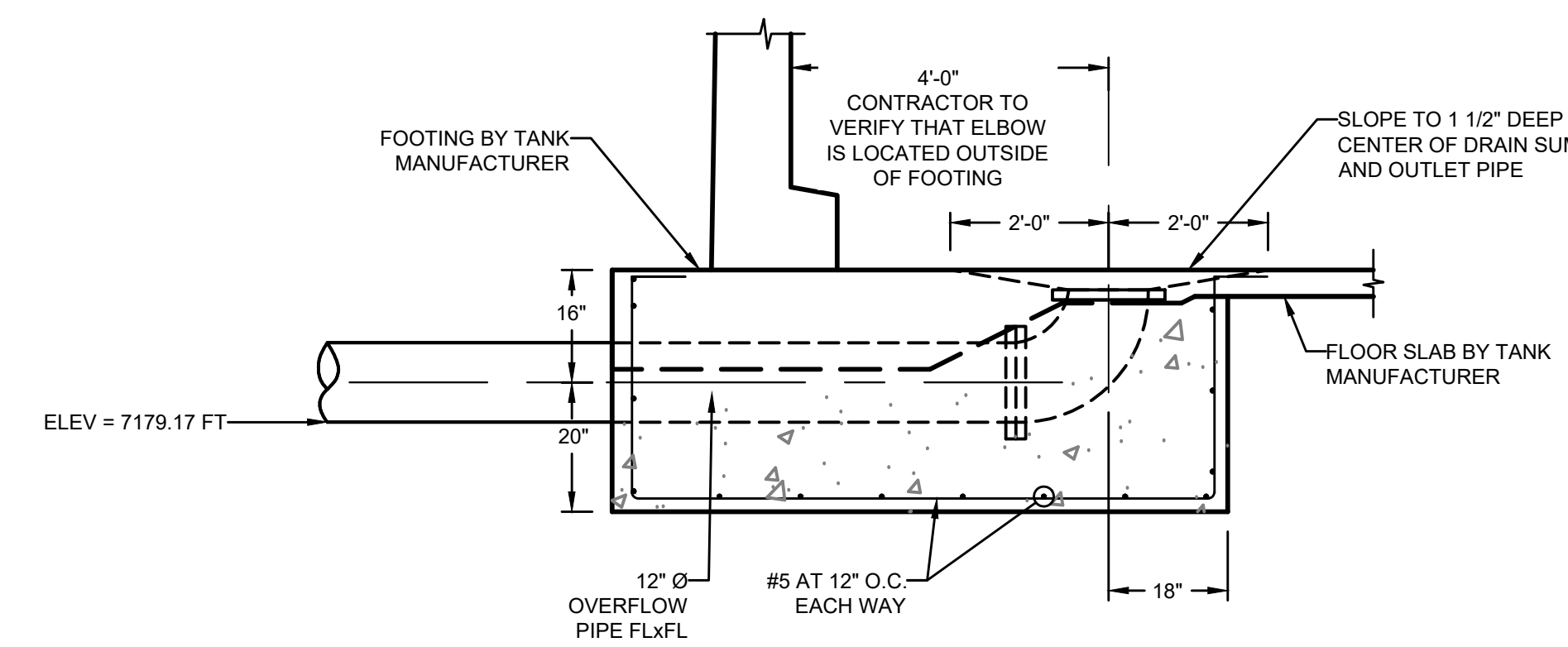
TANK WALL SECTION
SCALE: 3/4" = 1'-0" 1



TANK OVERFLOW PIPE
SCALE: 1/2" = 1'-0" 2



TANK OUTLET PIPE
SCALE: 1/2" = 1'-0" 3



TANK DRAIN PIPE
SCALE: 1/2" = 1'-0" 4

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NO.	REVISIONS	BY	DATE

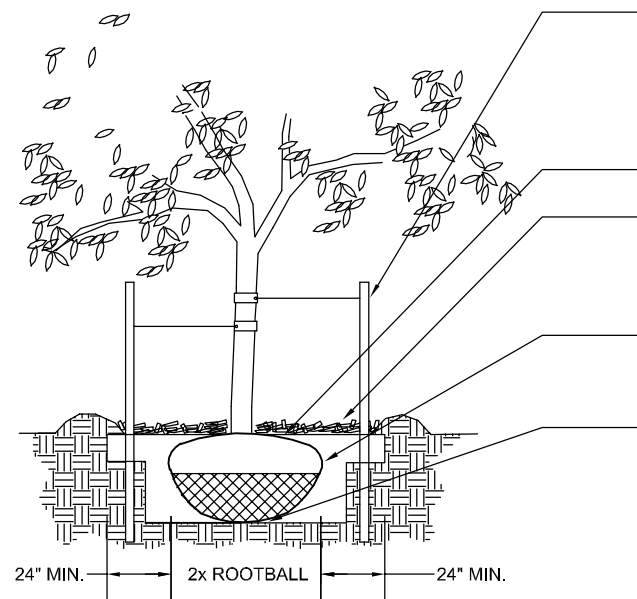
FORSGREN Associates, Inc.
56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
PH: 720.232.6644

PROJECT NO.	DRAWN	DESIGNED	APPROVED	DATE



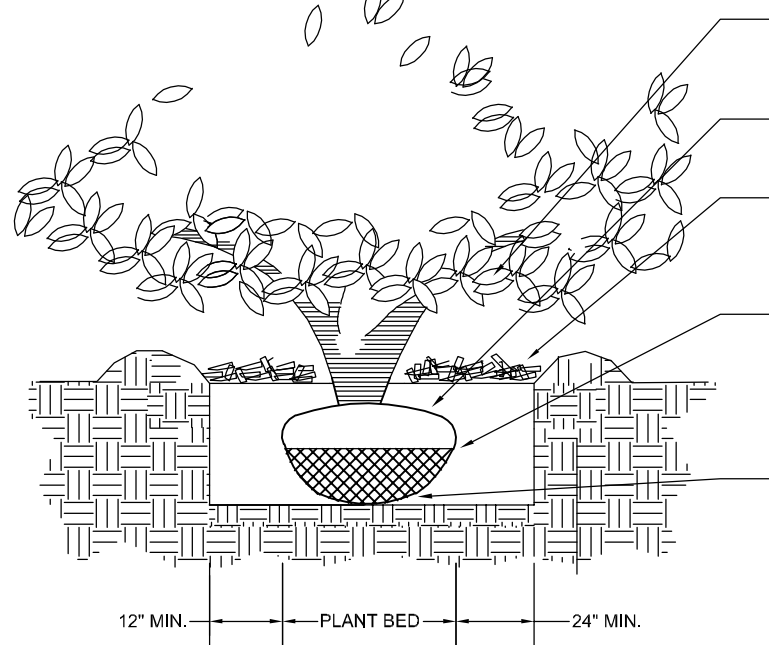
2.0M GALLON TANK
TANK PROFILE

- NOTES:**
- DO NOT REMOVE OR CUT LEADER.
 - PRUNE ONLY DEAD OR BROKEN BRANCHES IMMEDIATELY PRIOR TO PLANTING.
 - REMOVE ANY DOUBLE LEADER, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.
 - KEEP PLANTS MOIST AND SHADED UNTIL PLANTING.
 - AVOID FALL PLANTING IF POSSIBLE.
 - AMENDED BACKFILL SHALL BE 80% SOIL FROM PLANTING PIT AND 20% ORGANIC MATERIAL, PREFERABLY CANADIAN PEAT MOSS.
 - STAKING POST SHALL BE 1 1/2" DIA. TREATED WOOD STAKE. METAL POST WILL NOT BE APPROVED.



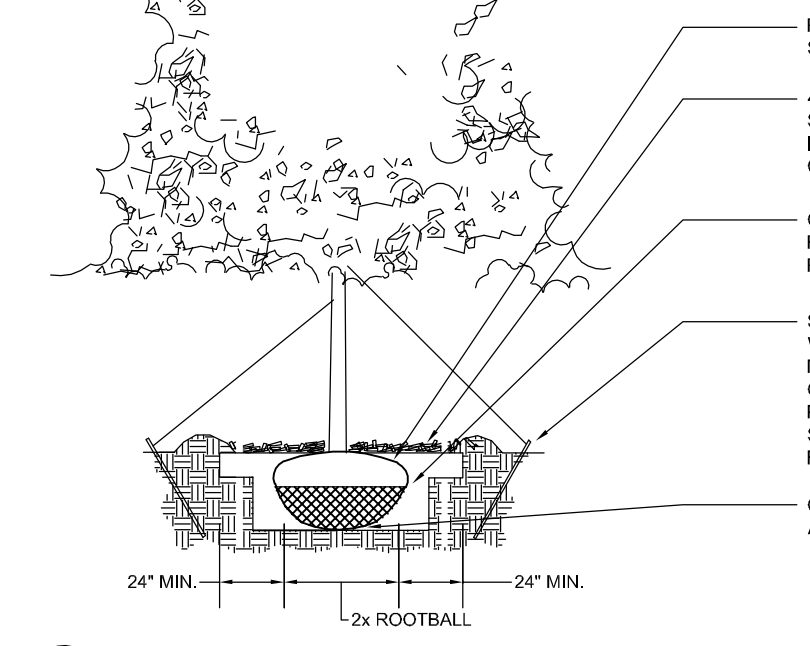
1 A DECIDUOUS TREE PLANTING DETAIL N.T.S.

- NOTES:**
- PRUNE ONLY DEAD OR BROKEN BRANCHES IMMEDIATELY PRIOR TO PLANTING.
 - KEEP PLANTS MOIST AND SHADED UNTIL PLANTING.
 - DO NOT FERTILIZE FOR AT LEAST ONE GROWING SEASON.
 - AMENDED BACKFILL SHALL BE 70% SOIL FROM PLANTING PIT AND 30% ORGANIC MATERIAL, PREFERABLY CANADIAN PEAT MOSS.

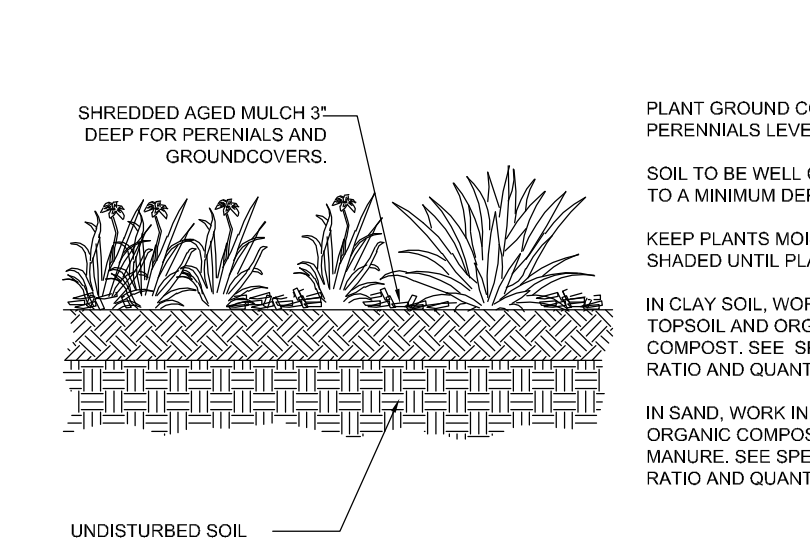


3 C SHRUB PLANTING DETAIL N.T.S.

- NOTES:**
- DO NOT REMOVE OR CUT LEADER.
 - PRUNE ONLY DEAD OR BROKEN BRANCHES IMMEDIATELY PRIOR TO PLANTING.
 - REMOVE ANY DOUBLE LEADER, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.
 - KEEP PLANTS MOIST AND SHADED UNTIL PLANTING.
 - AVOID FALL PLANTING IF POSSIBLE.
 - AMENDED BACKFILL SHALL BE 70% SOIL FROM PLANTING PIT AND 30% ORGANIC MATERIAL, PREFERABLY CANADIAN PEAT MOSS.



2 B EVERGREEN TREE PLANTING DETAIL N.T.S.



4 D PERENNIAL/GROUND COVER PLANTING DETAIL N.T.S.

HATCH LEGEND

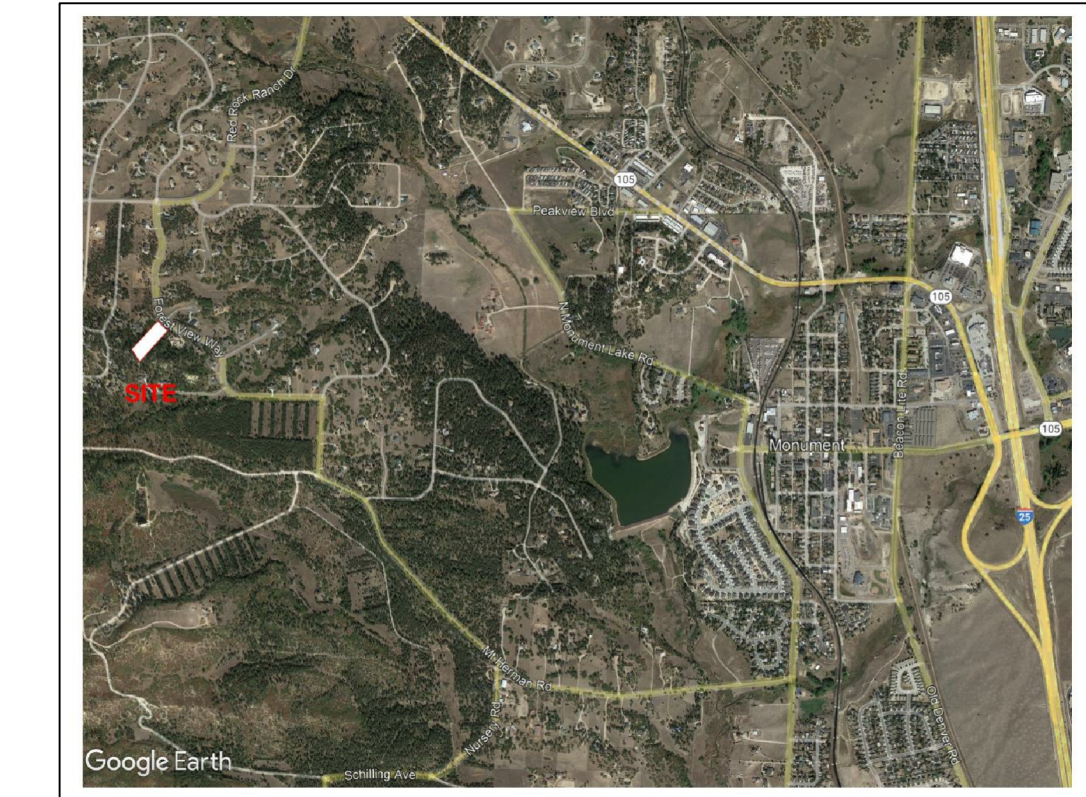
- TURF (KENTUCKY BLUE GRASS (THERMAL BLUE BLEND)) 0 sf
- 4-8" COBBLE 0 sf
- 2-4" COBBLE 0 sf
- ORGANIC MULCH 0 sf
- NATIVE SEED MIX PAVNEE BUTTES SEED (NATIVE PRAIRIE MIX) 16,199 sf

KEYED NOTES: (not all items labeled, items labeled considered typ.)

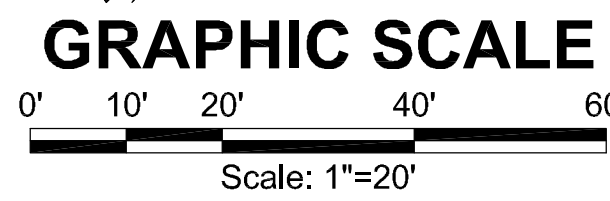
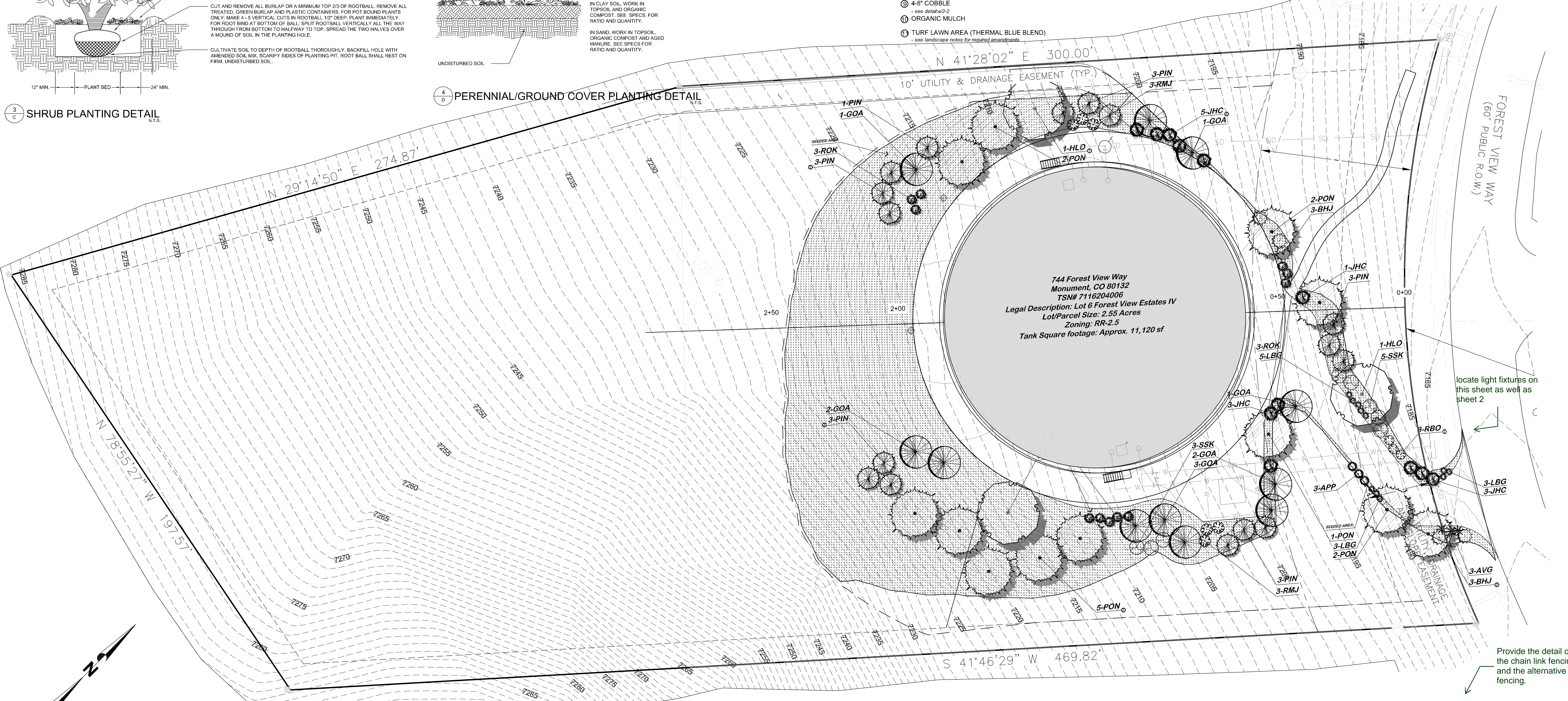
- 1 TYPICAL DECIDUOUS TREE PLANTING - see detail 2/2
- 2 TYPICAL EVERGREEN TREE PLANTING - see detail 2/2
- 3 TYPICAL SHRUB PLANTING - see detail 2/2
- 4 TYPICAL GROUND COVER/PERENNIAL PLANTING - see detail 2/2
- 5 LANDSCAPE BOULDER - see detail 2/2
- 6 STEEL EDGE - see detail 2/2
- 7 2-4" BLUE GREY GRAVEL MULCH - see detail 2/2
- 8 SCREEN WALL - see architectural plans
- 9 4-8" COBBLE - see detail 2/2
- 10 ORGANIC MULCH - see detail 2/2
- 11 TURF LAWN AREA (THERMAL BLUE BLEND) - see landscape notes for required amendments

LANDSCAPE PLANT SCHEDULE

SYMBOL	QUANTITY	SCIENTIFIC NAME	COMMON NAME	MATURE SIZE	PLANTING SIZE	NOTES
DECIDUOUS TREES						
GOA	12	Quercus garbinifolia	Stylized Hackberry	40' x 30'	2" Caliper	Ball and Burlap
GOA	12	Quercus garbinifolia	Gambel Oak	15' x 12'	1 1/2" Caliper	Container
EVERGREEN TREES						
PON	12	Pinus ponderosa	Ponderosa Pine	40' x 20'	2" Height	Ball and Burlap
PON	12	Pinus ponderosa	Ponderosa Pine	20' x 10'	2" Height	Ball and Burlap
DECIDUOUS SHRUBS						
RBO	3	Ribes deltoideum	Boulder Raspberry	4' x 5'	5 Gallon	Container
ROK	12	Ribes rostratum	Rock Spine	4' x 4'	5 Gallon	Container
APP	3	Amelanchier alnifolia	Allegheny Spice	3' x 2'	5 Gallon	Container
SSK	8	Amelanchier alnifolia	Saxatilis Spiceberry	10' x 8'	5 Gallon	Container
EVERGREEN SHRUBS						
RMT	6	Rosa rugosa	Rugosa Rose	12' x 4'	15 Gallon	Container
BJU	6	Berberis juliflora	Barberry	12' x 2'	5 Gallon	Container
JUN	12	Juniperus chinensis	Arborescent Juniper	4' x 4'	5 Gallon	Container
ORNAMENTAL GRASSES						
LBO	12	Lolium blundellii	Little Bluestem	2' x 2'	1 Gallon	Container
AVG	3	Andropogon scoparius	Blue Oat Grass	3' x 2'	1 Gallon	Container



VICINITY MAP



GENERAL NOTES:

- Contractor shall design and install a temporary irrigation system in accordance with section 32.80.00.
- A temporary irrigation system shall be installed to establish all newly planted vegetation.
- The irrigation system shall conform to all irrigation standards and shall provide adequate supplemental water for all of the new planting material to flourish and grow without supplemental water after a growing season.

Applicant: Town of Monument

Plan Preparer: Forsgren Associates, Inc.
 Contact: James Adams, PE
 Phone: 720-214-5884
 Email: jadams@forsgren.com

OWNER INFO
 company name
 address
 city/state
 phone no

Town of Monument
 Contact: Tom Tharnish,
 Public Works Director
 645 Beacon Lite Road
 Monument, CO 80132
 719-884-8039

Town of Monument
 Waterline & Storage Tank

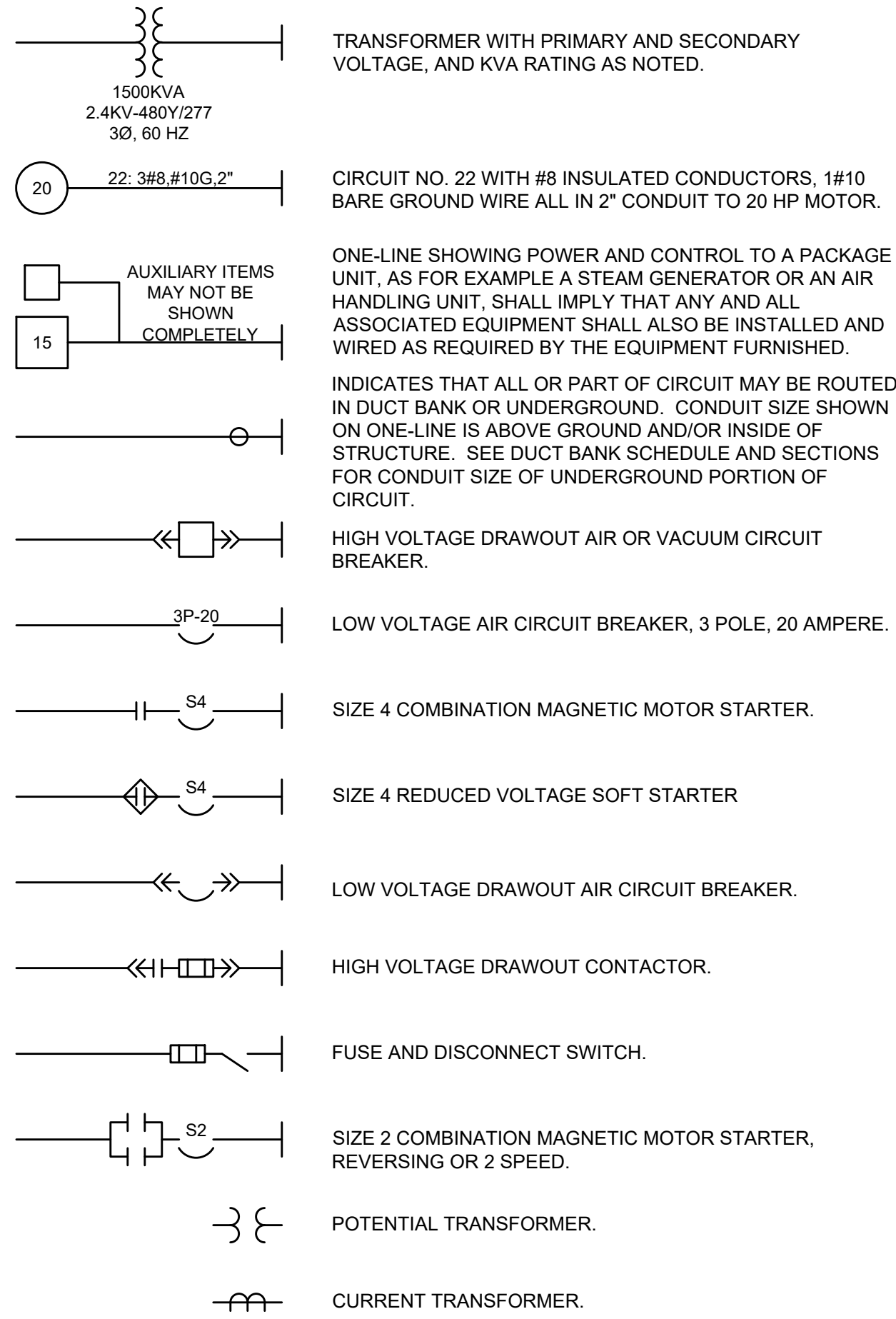
744 Forest View Way
 Monument, Colorado 80923

Structural:
 Electrical:
 Mechanical:
 Plumbing:

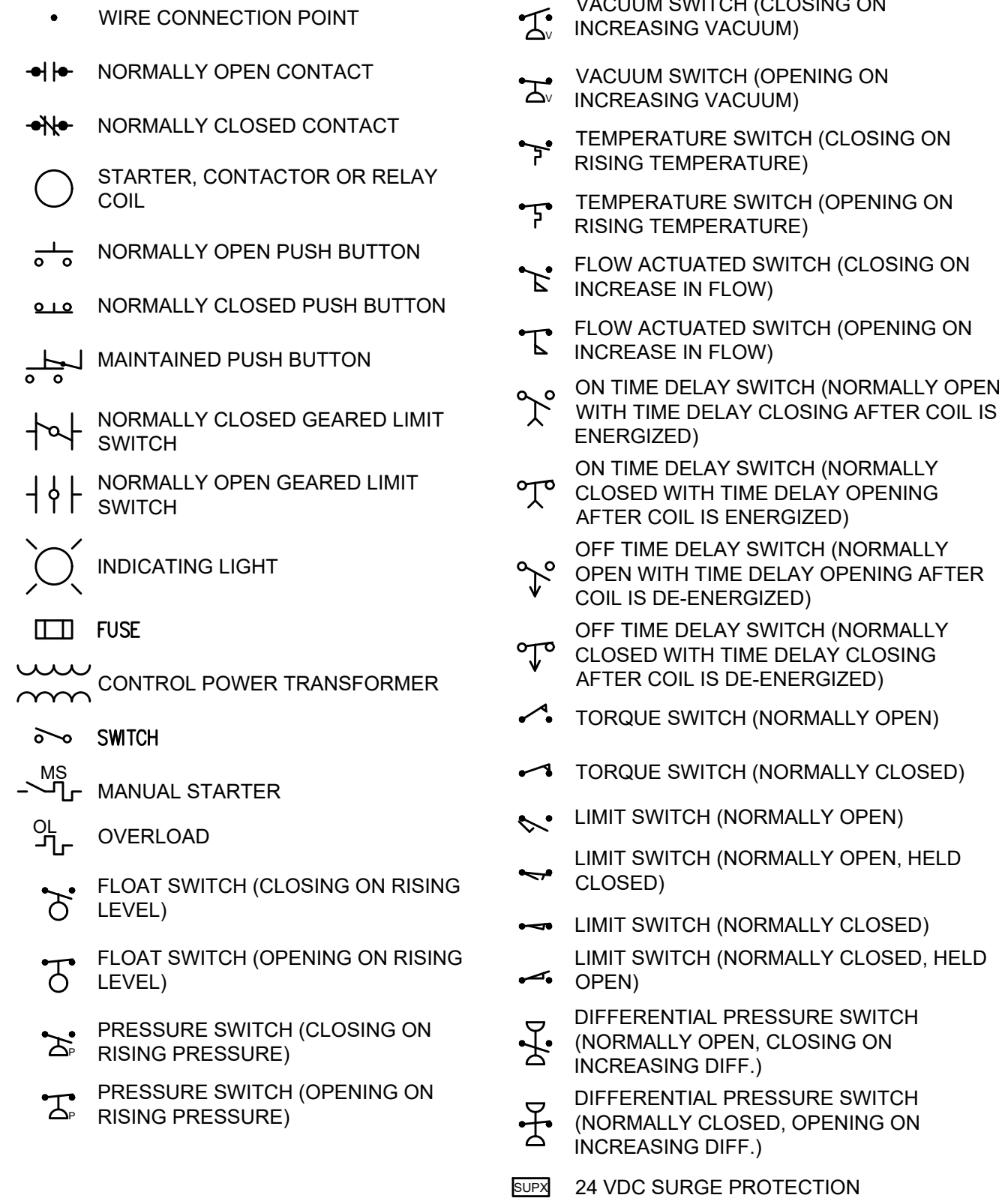
YOW ARCHITECTS PC
 ARCHITECTURE & PLANNING
 115 S. Weber
 Colorado Springs, Colorado 475-8133

DRAWING NO.
1 of 1
 FINAL LANDSCAPE PLAN

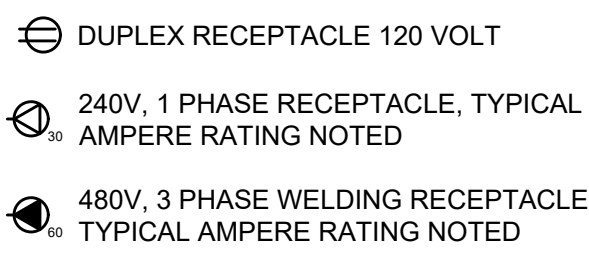
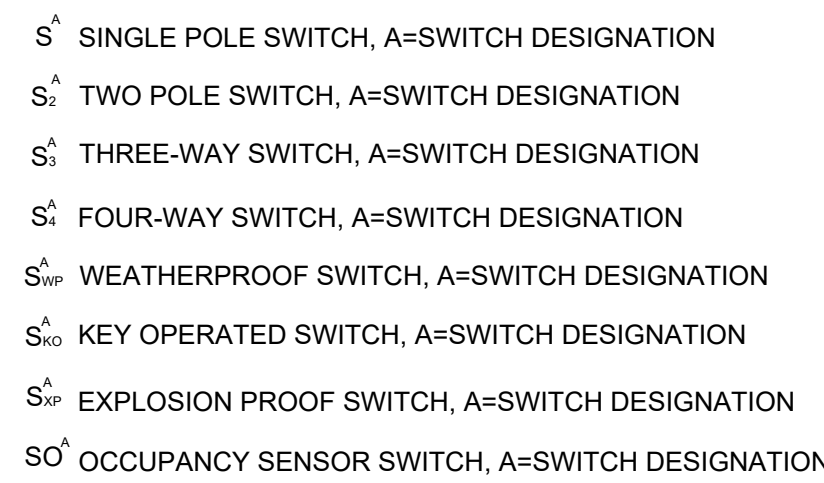
ONE LINE DIAGRAM LEGEND



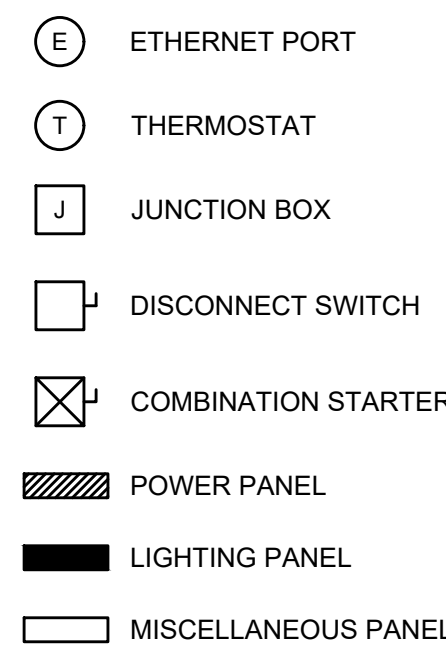
SCHEMATIC SYMBOLS



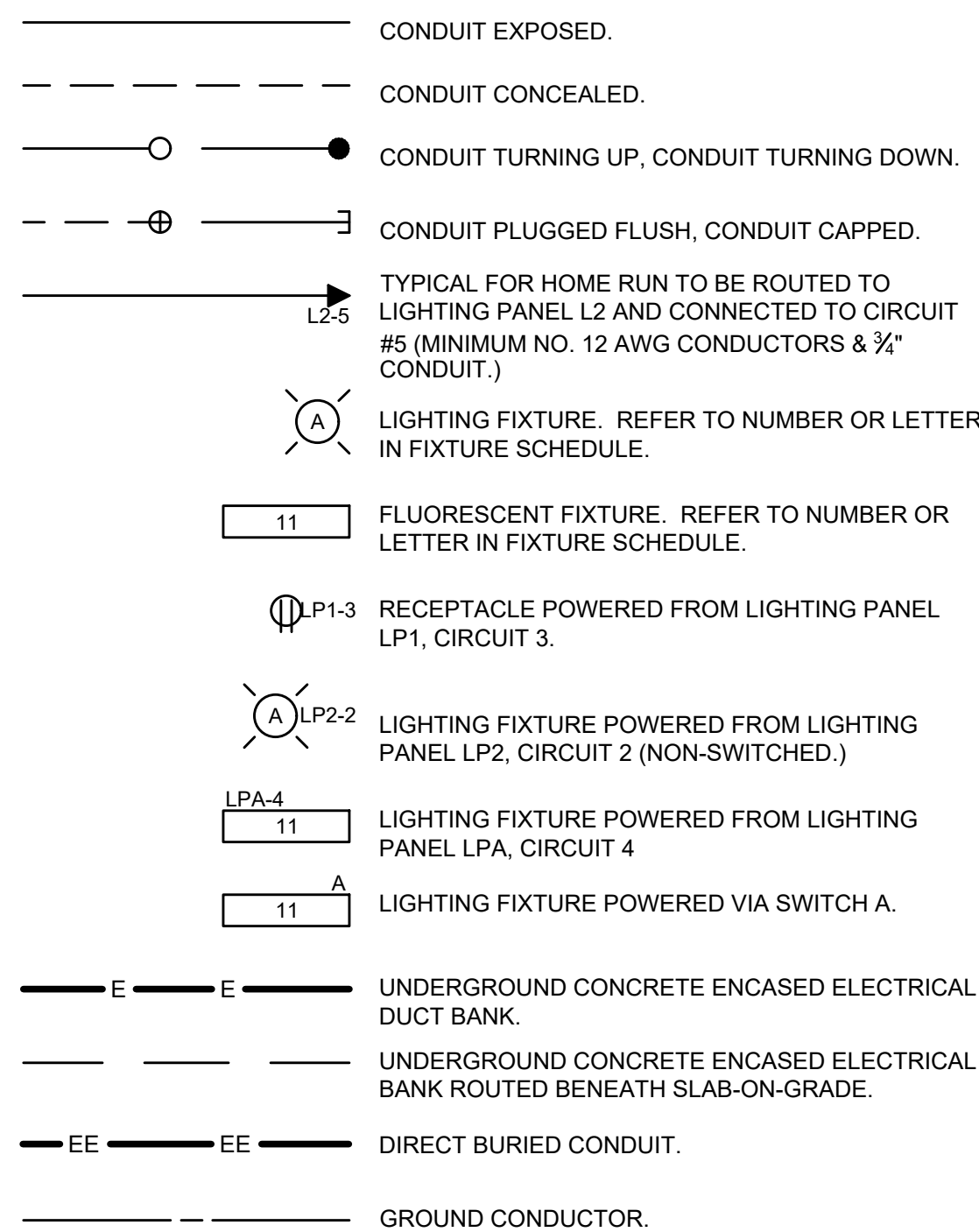
SWITCH & OUTLET SYMBOLS



MISCELLANEOUS SYMBOLS



CONDUIT & WIRING INSTALLATION LEGEND



ABBREVIATIONS

Table of abbreviations including AMBER, AMPERE, ALARM, ALTERNATING CURRENT, ADJUSTABLE FREQUENCY DRIVE, ABOVE FINISHED FLOOR, AMMETER, AUTOMATIC THROUOVER, AMERICAN WIRE GAUGE, CLOSE, COUNTER, CONTACTOR, CAPACITOR, CIRCUIT BREAKER, CONTROL DAMPER, CIRCUIT, CHLORINE, CONTROL PANEL, CONTROL POWER TRANSFORMER, CONTROL STATION, CYCLE TIMER, CURRENT TRANSFORMER, CYCLE TIMER MOTOR, 2 CONDUCTOR, 4" CONDUIT, DIRECT CURRENT, DAMPER MOTOR, DEMAND METER, DOUBLE POLE DOUBLE THROW, DOUBLE POLE SINGLE THROW, DIFFERENTIAL PRESSURE SWITCH, DISCONNECT SWITCH, ELECTRIC OPERATOR FOR CONTROL DAMPER OR VALVE, ELECTRICAL MANHOLE, ELAPSED TIME METER, EXISTING, FORWARD, FLOW SWITCH, GREEN, GROUND, GROUND FAULT INTERRUPTER, GEARED LIMIT SWITCH, #8 GROUND WIRE, HIGH, HUMIDISTAT, HANDHOLE, HIGH MOTOR TEMPERATURE, HAND-OFF-AUTO, HAND-OFF-REMOTE, HORSEPOWER, HIGH WATER CUTOFF, HERTZ (CYCLE), INPUT/OUTPUT, JUNCTION BOX, KILOVOLT, KILOVOLT AMPERE, KILOVAR, KILOWATT, KILOWATT HOUR, LOW, LEVEL, LIGHTNING ARRESTOR, LOCAL AREA NETWORK, LIGHTING PANEL, LIMIT SWITCH, LEVEL SWITCH, LOW WATER CUTOFF, MAGNETIC MOTOR STARTER, MILLIAMPERE, MAIN CIRCUIT BREAKER, MOTOR CONTROL CENTER, THOUSAND CIRCULAR MIL, MOISTURE DETECTOR, MANHOLE, MOUNTING HEIGHT, MOTOR OPERATED VALVE, MANUAL MOTOR STARTER, MOTOR SPACE HEATER, NEUTRAL, NORMALLY CLOSED, NORMALLY OPEN, NUMBER OPEN, OVERLOAD, PUSH BUTTON, PULL BOX, POWER FACTOR METER, PHASE (CHEMICAL TERM), PROGRAMMABLE LOGIC CONTROLLER, POWER PANEL, PRESSURE SWITCH, POTENTIAL TRANSFORMER, PROGRAM TIMER, 2 POLE, RED, RAISE, RELAY, REVERSE.

AREA DESIGNATIONS

- AREA TYPE 1: INDOOR AND DRY AREA. REQUIRES MINIMUM NEMA TYP 1 ENCLOSURES FOR ALL EQUIPMENT AND GASKETED FITTINGS IN CONDUIT SYSTEMS.
AREA TYPE 1A: CORROSIVE CHEMICAL FEED AND STORAGE ROOMS. CONDUIT SYSTEM SHALL BE EXPOSED PVC COATED CONDUIT WITH FITTINGS, AND ACCESSORIES.
AREA TYPE 4: INDOOR WET LOCATIONS SUCH AS VAULTS, HOSEDOWN AREAS, BASEMENTS, ETC. MINIMUM NEMA TYPE 4 ENCLOSURE FOR EQUIPMENT AND GASKETED FITTINGS IN A CONDUIT SYSTEM.
AREA TYPE 7A: CLASS 1, DIVISION 1 AREA AS DEFINED BY NEC. ALL EQUIPMENT AND CONDUIT SYSTEMS SHALL BE RATED FOR USE IN THIS AREA.
AREA TYPE 7B: CLASS 1, DIVISION 2, GROUP C AND D (METHANE, GASOLINE) AS DEFINED BY NEC. EQUIPMENT AND CONDUIT SYSTEMS SHALL BE RATED FOR USE IN THIS AREA.
AREA TYPE 12: INDOOR, DRY, DIRTY AREA. REQUIRES MINIMUM NEMA TYPE 12 GASKETED ENCLOSURES FOR ALL EQUIPMENT AND GASKETED FITTINGS IN CONDUIT SYSTEMS.
AREA TYPE 4X: OUTDOOR AND INDOOR WET LOCATIONS SUBJECT TO CORROSION. CONDUIT SYSTEM SHOULD BE PVC COATED RIGID GALVANIZED STEEL WITH PVC COATED FITTINGS, BOXES, AND STAINLESS STEEL HARDWARE.

GENERAL REQUIREMENTS

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING ALL CONDUITS NOT SHOWN ON THE PLANS. THIS SHALL INCLUDE ALL CONDUITS SHOWN ON THE ONE-LINES AND HOME-RUNS SHOWN ON THE PLAN DRAWINGS. CONDUITS SHALL BE ROUTED AS DEFINED IN THE SPECIFICATIONS.
2. SPARE WIRES SHALL BE TAPED AND COILED.
3. IF EQUIPMENT SUPPLIED BY MANUFACTURER HAS A LARGER LOAD THAN VALUE SHOWN, THE CABLE CONDUIT AND ELECTRICAL EQUIPMENT SHALL BE ENLARGED, AS REQUIRED, TO ACCOMMODATE THE HIGHER VALUE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING PROPERLY SIZED STARTER OVERLOADS FOR EQUIPMENT FURNISHED.
5. LIGHTING AND RECEPTACLE CIRCUITS DESIGNATED ON THE FLOOR PLANS ARE NOT SHOWN ON THE ONE-LINES. CONDUCTORS FOR LIGHTING, RECEPTACLES, AND MISCELLANEOUS 120VAC CIRCUITS SHALL BE MINIMUM NO. 12 AWG. CONDUIT FOR LIGHTING, RECEPTACLES, AND MISCELLANEOUS 120VAC CIRCUITS SHALL BE MINIMUM 3/4".
6. IN AREAS WHERE THERE ARE OVERHEAD BRIDGE CRANES, HOISTS, ETC., NO CONDUITS SHALL BE RUN OVERHEAD THAT WILL INTERFERE WITH THE OPERATION OF THE EQUIPMENT.

GENERAL NOTES

- 1. SOLID LINES — INDICATE NEW WORK OR EQUIPMENT.
2. DOTTED LINES . . . INDICATE EXISTING WORK OR EQUIPMENT.
3. DASHED LINES - - - INDICATE FUTURE WORK OR EQUIPMENT.
4. THIS IS A GENERAL LEGEND SHEET. SOME SYMBOLS AND ABBREVIATIONS MAY NOT BE UTILIZED ON THIS SPECIFIC PROJECT.
5. INFORMATION RELATED TO CIRCUIT IDENTIFICATION, WIRE & CONDUIT SIZES, AND ROUTING, IS ON THE FOLLOWING DRAWING TYPES.
A. ONE-LINE DIAGRAMS SHOW CIRCUIT IDENTIFICATION, WIRE QUANTITY AND SIZES, AND CONDUIT SIZE WITHIN STRUCTURES. ONE-LINE DIAGRAMS ALSO INDICATE ORIGIN AND DESTINATION OF CIRCUITS, AND IDENTIFY CIRCUITS ROUTED UNDERGROUND.
B. FOR CIRCUITS WITHOUT UNDERGROUND PORTIONS, BUILDING FLOOR PLANS SHOW LOCATION OF EQUIPMENT FOR DETERMINING CIRCUIT LENGTH WITHIN THE STRUCTURE. FOR CIRCUITS WITH UNDERGROUND PORTIONS, ANTICIPATED PENETRATION OF UNDERGROUND CONDUITS ARE SHOWN ON STRUCTURE PLANS FOR DETERMINING THE LENGTH OF IN-STRUCTURE PORTIONS OF CIRCUITS. BUILDING FLOOR PLANS MAY ALSO SHOW HOME RUNS FOR LIGHTING, RECEPTACLE, AND OTHER MISCELLANEOUS EQUIPMENT CIRCUITS.
C. SITE PLANS INDICATE THE GENERAL ROUTING OF UNDERGROUND CONDUITS AND DUCT BANKS. CIRCUITS ROUTED IN UNDERGROUND CONDUITS OR DUCT BANKS ARE INDICATED IN DUCT BANK SECTIONS REFERENCED ON THE SITE PLAN.
D. DUCT BANK SECTIONS AND SCHEDULES IDENTIFY CONDUIT SIZE, CONDUIT MATERIAL, ARRANGEMENT OF THE UNDERGROUND CONDUITS, AND CIRCUITS ROUTED IN EACH UNDERGROUND CONDUIT.
6. CLOUDED MARKINGS INDICATE WORK IN EXISTING AREAS THAT IS NEW OR NEW WORK ON AN EXISTING PIECE OF EQUIPMENT.

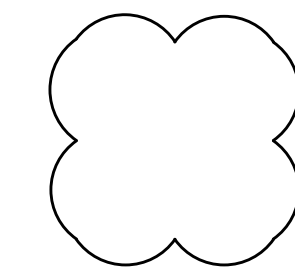


Table with columns: NO., REVISIONS, BY, DATE. Includes revision information for the drawing.

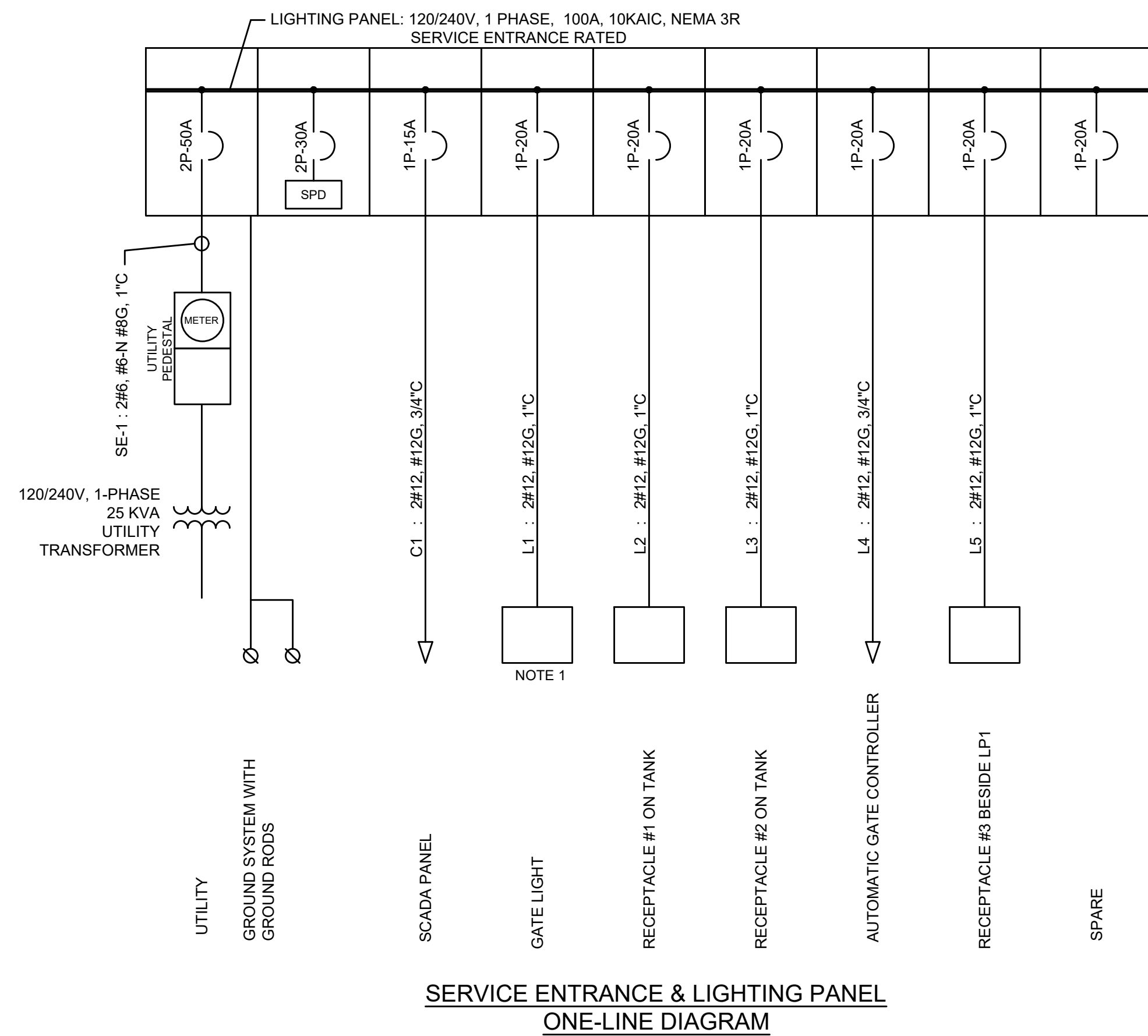
FORSGREN Associates, Inc.
56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
PH: 720.232.6644

ISSUED FOR BID

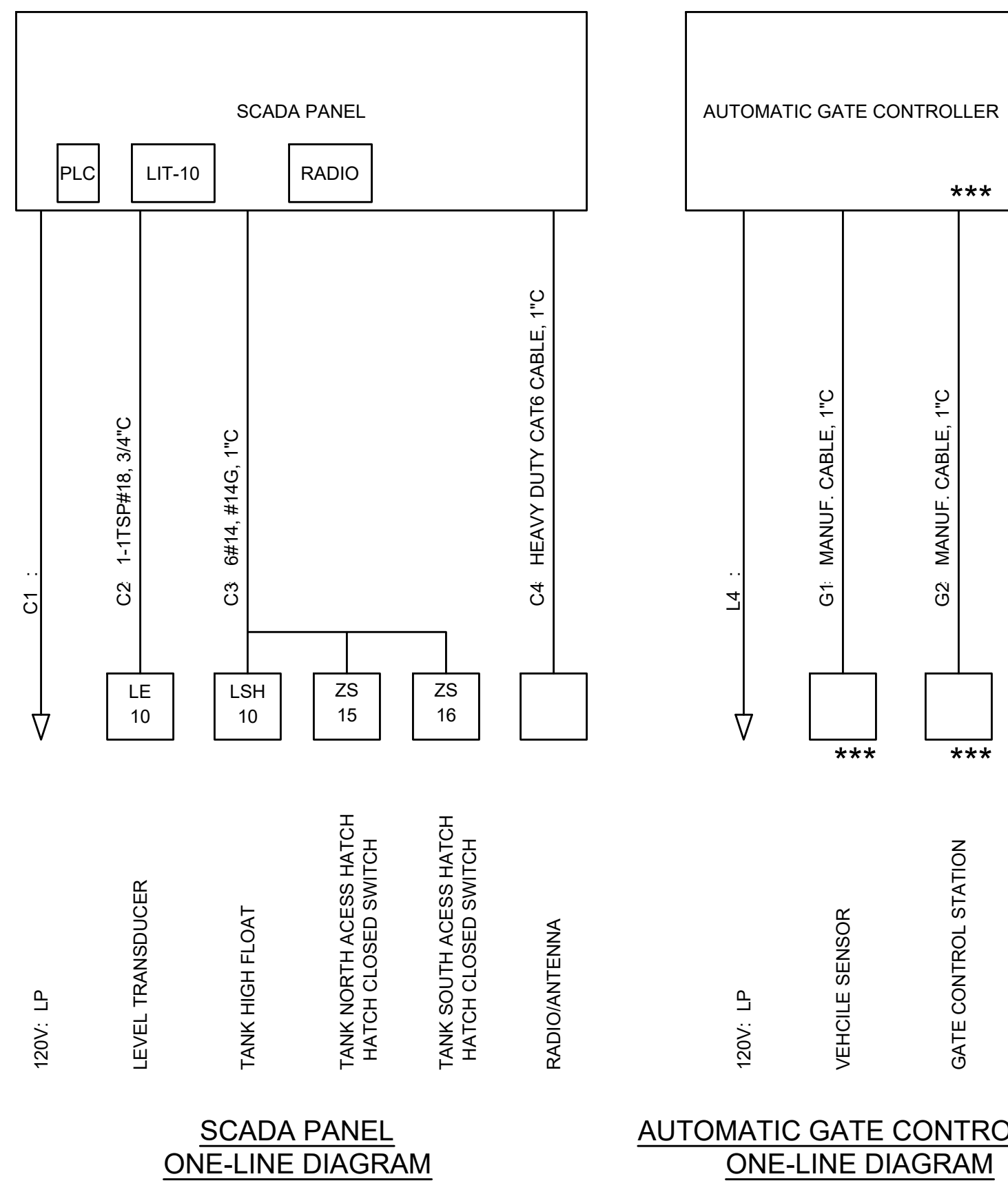
Table with columns: PROJECT NO., DRAWN, DESIGNED, APPROVED, DATE. Includes project and drawing details.



2.0M GALLON TANK
ELECTRICAL - LEGEND



SERVICE ENTRANCE & LIGHTING PANEL ONE-LINE DIAGRAM



SCADA PANEL ONE-LINE DIAGRAM

AUTOMATIC GATE CONTROLLER ONE-LINE DIAGRAM

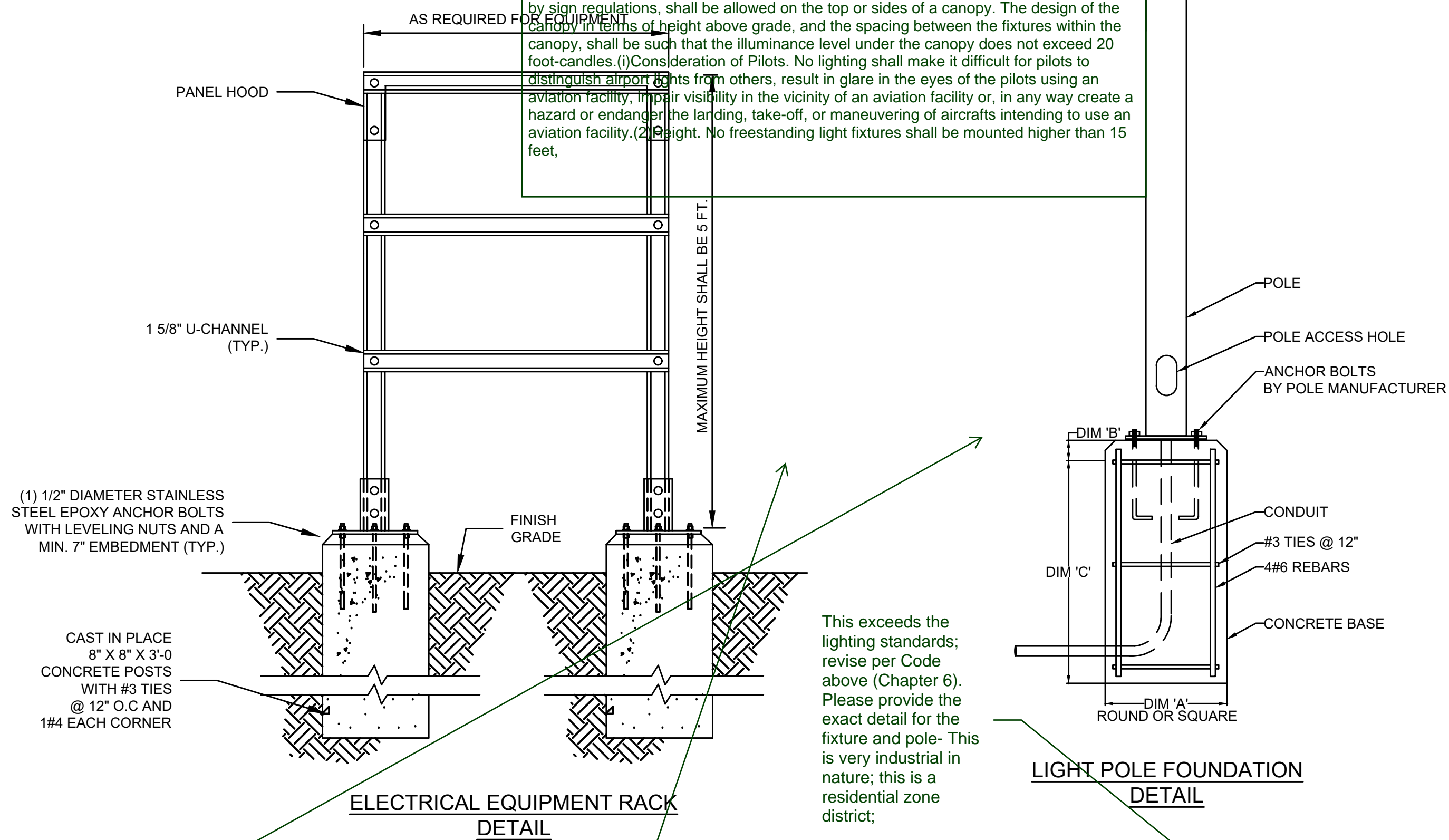
NOTES:

1. THE GATE LIGHT SHALL BE PROVIDED WITH AN ON/OFF SWITCH AND A MOTION SENSOR. IN THE 'ON' POSITION THE MOTION SENSOR SHALL CONTROL THE LIGHT, IN THE 'OFF' POSITION, THE LIGHT SHALL BE OFF.
2. *** - PROVIDED BY GATE SYSTEM PROVIDER.

FAULT CURRENT	
UTILITY	7,400A

B) Design Standards and Requirements. (1) Limitations on Extent of Lighted Area. (a) Concealed or Shielded. Light fixtures shall be arranged and positioned such that the light sources are concealed and fully shielded so that no direct light or reflection creates a nuisance or hazard to any adjacent ownership or right-of-way and that up-light, spill-light, glare, and unnecessary diffusion are minimized. Light fixtures, except as otherwise permitted herein, are required to be full cutoff as defined by the Illuminating Engineers Society of North America (IESNA). The cut-off angle of an exterior light source shall not exceed 90 degrees. Full cut-off fixtures may not be tilted or aimed in a manner that results in light distribution above the horizontal plane. The use of semi-cutoff or cutoff (as opposed to full cutoff) fixtures shall be permitted to illuminate areas other than parking lots provided the pole or mounting point is no more than 10' in height and the maximum lumen output does not exceed 1800 lumens per lamp. (b) Non-Security Lighting During Non-Operating Hours. Exterior lighting, including but not limited to floodlights used to light a building facade, shall be reduced, activated by motion sensor devices, or turned off during the principal use's non-operating hours. Lighting necessary for security shall not be subject to this provision. (c) Upward Lighting. Upward lighting for architectural, landscape or decorative purposes shall have at least 90% of the total distribution pattern within the profile of the illuminated structure or feature. Light fixtures used to illuminate flags, statues, or any other objects mounted on a pole, pedestal, or platform, shall use a narrow cone of light that does not extend beyond the illuminated object. (d) Maximum Levels. Maximum on-site lighting levels shall not exceed 10 foot candles, except for loading and unloading platforms where the maximum lighting level shall be 20 foot candles. (e) Measurement at Property Boundaries. Light levels measured at the property line of the development site adjacent to residential property or public right of way shall not exceed 0.1 foot candles as a direct result of the on-site lighting. All light fixtures mounted within 15' of any residential property line of the site shall be classified as IES Type II or Type III, or fixture demonstrated to provide similar distribution patterns and shielding properties. Fixtures shall be fitted with "house side shield" reflectors on the sides facing the residential property line. (f) Light Standards and Fixtures. The style of light standards and fixtures shall be consistent with the style and character of architecture proposed on the site. Poles shall be anodized or coated to minimize glare from the light source. Bollards or similar light fixtures intended to illuminate landscape features or walkways are permitted which do not exceed 4 feet in height, 2 fixtures per bollard and 1 lamp not exceeding 900 lumens per fixture. (g) Lamp Types. All outdoor light fixtures should utilize 1 of the following lamp types: metal halide, induction lamp, compact fluorescent, incandescent (including tungsten-halogen), or high-pressure sodium. Alternatives are permitted provided they are demonstrated to be more effective for the proposed use based on IESNA recommendations. (h) Canopy Lighting. Light fixtures associated with canopies, including but not limited to fuel islands, seasonal outdoor sales areas, shopping malls, theaters, bank drive-thrus, and hotels shall be full cutoff or mounted so that the bottom of the lens is recessed or flush with the bottom surface of the canopy. All light emitted from the canopy shall be substantially confined to the ground directly beneath the perimeter of the canopy. No lighting of any kind, except as permitted by sign regulations, shall be allowed on the top or sides of a canopy. The design of the canopy shall be such that the illuminance level under the canopy does not exceed 20 foot-candles. (i) Consideration of Pilots. No lighting shall make it difficult for pilots to distinguish aircraft lights from others, result in glare in the eyes of the pilots using an aviation facility, impair visibility in the vicinity of an aviation facility or, in any way create a hazard or endanger the landing, take-off, or maneuvering of aircrafts intending to use an aviation facility. (2) Height. No freestanding light fixtures shall be mounted higher than 15 feet.

NAME:		LP1	BUS:	COPPER					MAINS:	2P-50A		
SERVICE		120/240 VAC	RATING:	100A					LOCATION:	TANK SITE		
MOUNTING		SURFACE, NEMA 3R	AIC RATING:	10KAIC								
V.A.		LOAD		PHASE	BREAKER	CIRCUIT NUMBER	BREAKER	PHASE	LOAD	V.A.		
A	B									A	B	
150		SCADA PANEL		1	20	1	2	20	1		0	
	80	GATE LIGHT		1	20	3	4	20	1		0	
180		RECPT #1 - ON TANK		1	20	5	6	20	1		0	
	180	RECPT #2 - ON TANK		1	20	7	8	20	1		0	
180		RECPT #3 - BY LP		1	20	9	10	20	1		0	
	750	GATE POWER		1	20	11	12	20	1		0	
0				1	20	13	14	20	1		0	
	0			1	20	15	16	20	1		0	
0				1	20	17	18	20	1		0	
510	1010	TOTALS PER PHASE PER SIDE									0	0
510	1010	TOTALS PER PHASE										
	1520	PANEL TOTAL										



DIMENSIONS			
A	B	C	POLE LENGTH
1'-0"	2"	3'-0"	10 TO 12'
1'-6"	2"	4'-0"	12 TO 20'
2'-0"	2"	5'-0"	20 TO 40'

Add note that lumens will not exceed Max (based on Code)

is there only one light on entire project? If not add locations and detail of fixture

This exceeds the lighting standards; revise per Code above (Chapter 6). Please provide the exact detail for the fixture and pole- This is very industrial in nature; this is a residential zone district;

ISSUED FOR BID

FORSGREN Associates Inc.

PROJECT NO: 04-20-0153

NO. _____

REVISIONS _____

BY DATE _____

PROJECT NO: 04-20-0153

DATE: MAY 2021

SHEET NO: **E02**

PAGE NO: OF

2.0M GALLON TANK

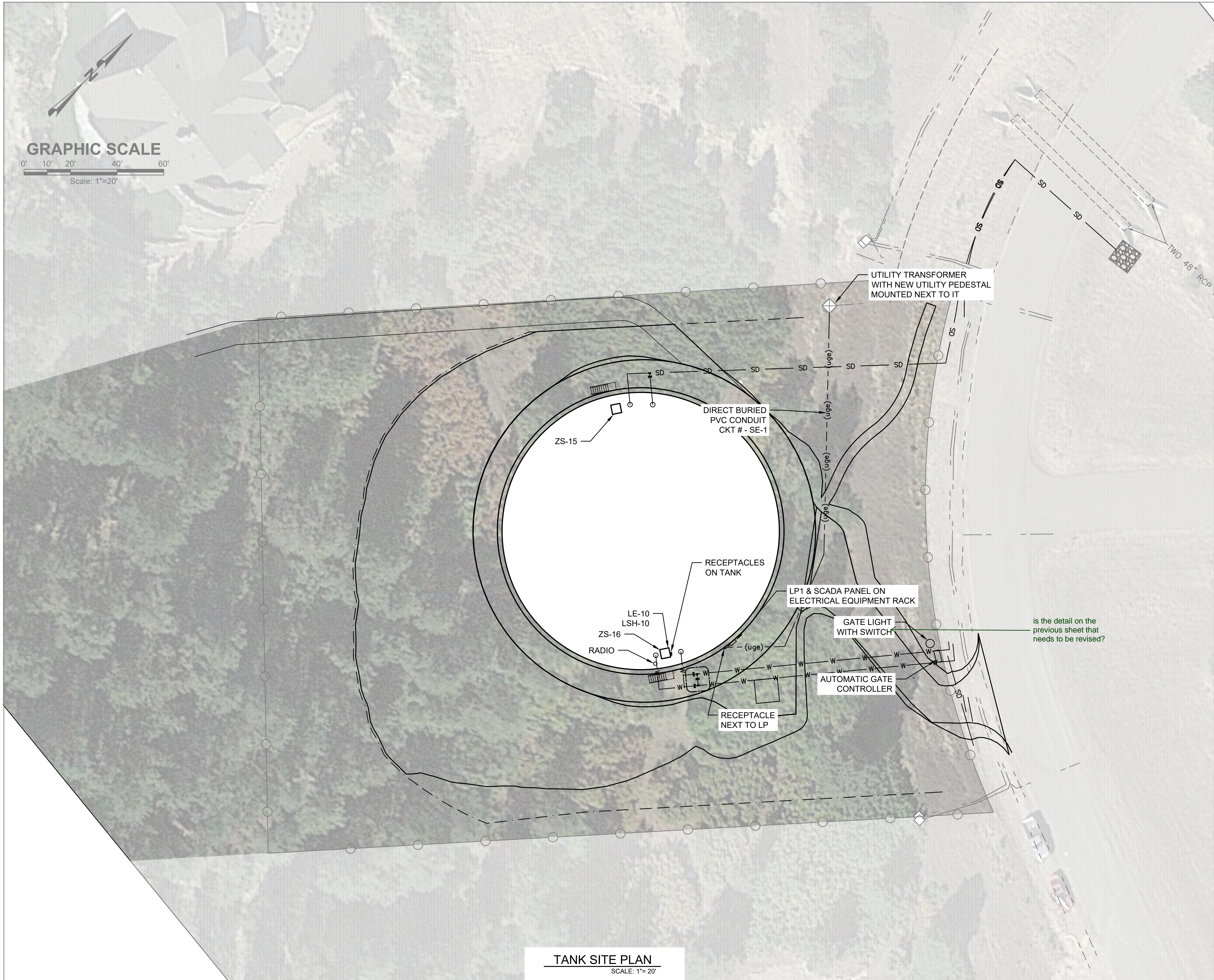
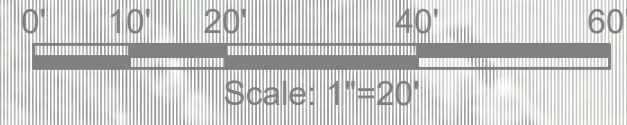
ELECTRICAL - ONE-LINES

56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
PH: 720.232.6644

This document or any part thereof in detail or design shall not be used for any other project without the written authorization of Forsgren Associates Inc.

X:\18 Office Clients\Monument\Engineering\2021 - New Water Storage Tank\Drawings\UPDATED TANK SITE PLAN_1 - Standard\E3 Site Plan.dwg - 12/17/2021 10:29 AM

GRAPHIC SCALE



TANK SITE PLAN
SCALE: 1"= 20"

NO.	REVISIONS	BY	DATE

FORSGREN Associates, Inc.
56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
PH: 720.232.6644

ISSUED FOR BID

PROJECT NO.	04-20-0153
DRAWN	DLE
DESIGNED	DLE
APPROVED	CLR
DATE	CLR

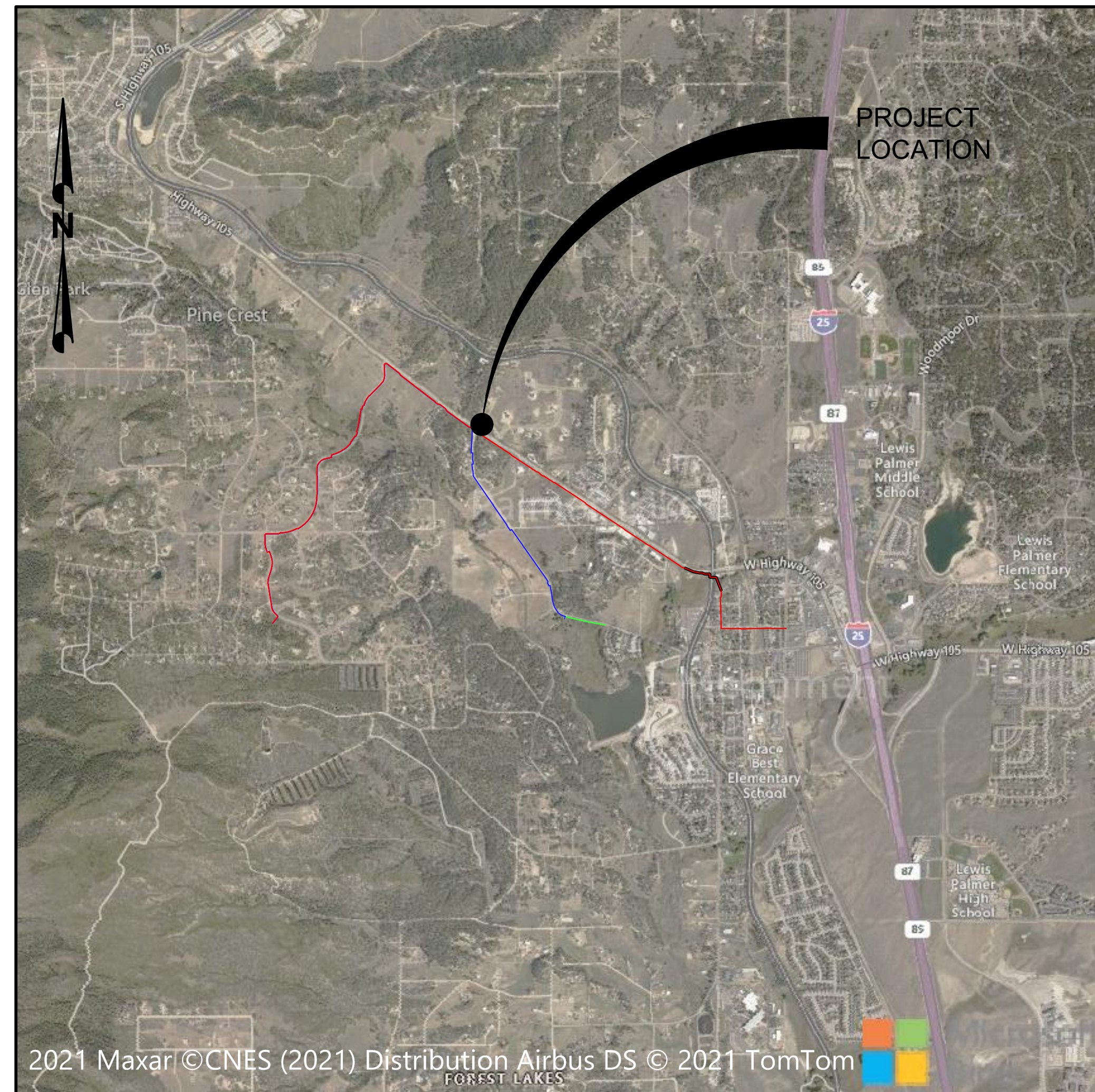


2.0M GALLON TANK
ELECTRICAL SITE PLAN

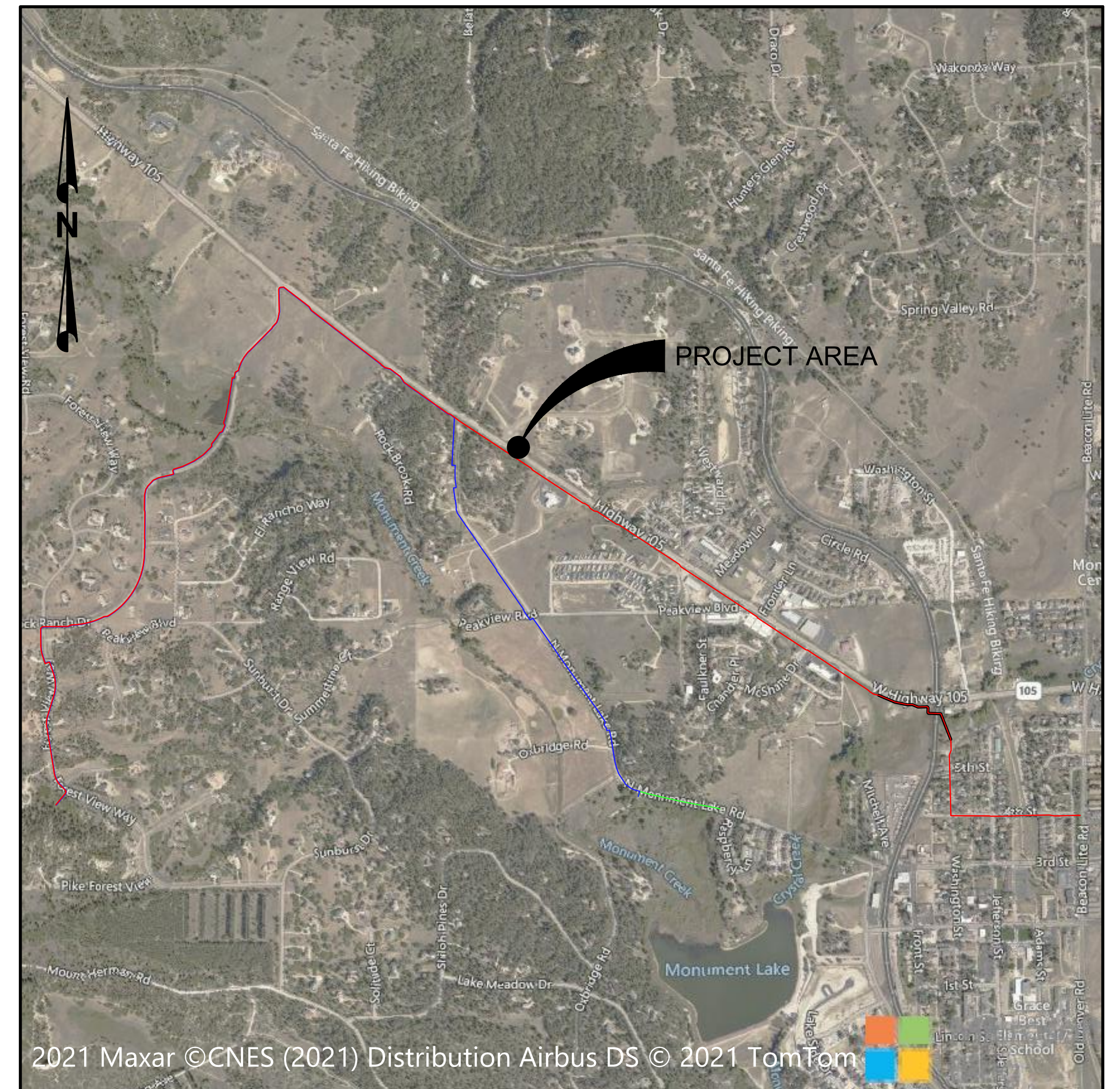
SHEET NO: **E03**
DATE: MAY 2021
PAGE NO: OF

MONUMENT WATERLINE & STORAGE TANK

CONSTRUCTION PLANS MONUMENT, CO



PROJECT LOCATION MAP



VICINITY MAP

N.T.S.

SHEET INDEX	
NO.	TITLE
1	COVER SHEET
2	LEGEND, NOTES & ABBREVIATIONS
3	PIPELINE ALIGNMENTS KEY MAP
4	PIPELINE ALIGNMENTS STA 0+00 TO STA 12+00
5	PIPELINE ALIGNMENTS STA 12+00 TO STA 24+00
6	PIPELINE ALIGNMENTS STA 24+00 TO STA 36+00
7	PIPELINE ALIGNMENTS STA 36+00 TO STA 48+00
8	PIPELINE ALIGNMENTS STA 48+00 TO STA 60+00
9	PIPELINE ALIGNMENTS STA 60+00 TO STA 72+00
10	PIPELINE ALIGNMENTS STA 72+00 TO STA 84+00
11	PIPELINE ALIGNMENTS STA 84+00 TO STA 96+00
12	PIPELINE ALIGNMENTS STA 96+00 TO STA 108+00
13	PIPELINE ALIGNMENTS STA 108+00 TO STA 120+00
14	PIPELINE ALIGNMENTS STA 120+00 TO STA 132+00
15	PIPELINE ALIGNMENTS STA 132+00 TO STA 144+00
16	PIPELINE ALIGNMENTS STA 144+00 TO STA 156+00
17	PIPELINE ALIGNMENTS STA 156+00 TO STA 167+68
18	PIPELINE ALIGNMENTS STA 200+00 TO STA 212+00
19	PIPELINE ALIGNMENTS STA 212+00 TO STA 224+00
20	PIPELINE ALIGNMENTS STA 224+00 TO STA 236+00
21	PIPELINE ALIGNMENTS STA 236+00 TO STA 244+00
22	PIPELINE ALIGNMENTS STA 300+00 TO STA 308+14
23	DETAILS - 1
24	DETAILS - 2

FA PROJECT NO. 04-20-0153
JANUARY, 2022

Please label "for reference only" as actual waterline CDs will be approved separately.

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.

[NAME, P.E. #] DATE

OWNER/DEVELOPER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

[NAME, TITLE] DATE
[BUSINESS NAME]
[ADDRESS]

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.

JENNIFER IRVINE, P.E. DATE
COUNTY ENGINEER / ECM ADMINISTRATOR

FORSYGREN
Associates Inc.
56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
PH: 720.232.6644



LEGEND

CIVIL ABBREVIATIONS

ANNOTATION

MATCH LINE	---
CENTER LINE	---
CONTROL LINE	---
PROPERTY OR R/W LINE	---
EASEMENT LINE	---
STREET MONUMENT LINE	---
WIRE FENCE	—□—
CHAIN LINK FENCE	—X—
BARBED WIRE FENCE	—X—
CONTOUR LINE	4250 [EL=4354.66]
SPOT ELEVATION	[EL=4354.66]
BANK SLOPES	
CANAL	
OPEN DITCH	---
UNDERGROUND ELECTRIC	--- UE ---
OVERHEAD ELECTRIC	
ELECTRIC BOX	(E)
ELECTRIC MANHOLE	(E)
ELECTRIC METER	(E)
GAS LINE	--- NG ---
GAS VALVE	--- X ---
GAS METER	(G)
IRRIGATION LINE	--- IRR ---
SANITARY SEWER LINE	--- SS ---
SANITARY SEWER CLEANOUT	(S)
SANITARY SEWER MANHOLE	(S)
SECONDARY WATER LINE	--- SW ---
SECONDARY WATER VALVE	--- X ---
SECONDARY WATER VAULT	(W)
STORM DRAIN LINE	--- SD ---
STORM DRAIN CATCH BASIN	(C)
STORM DRAIN INLET(S)	(I)
STORM DRAIN COMBO BOX	(O)
STORM DRAIN MANHOLE	(D)
STORM DRAIN CLEANOUT BOX	(C)
STORM DRAIN VAULT	(V)
CULVERT	(S)
TELEPHONE CABLE	--- COMM ---
TELEPHONE BOX	(T)
TELEPHONE MANHOLE	(T)
TELEPHONE POST	(P)
WATER LINE	--- PW ---
FIRE HYDRANT	(H)
FIRE RISER	(R)
WATER VALVE	--- X ---
WATER AIR RELEASE VALVE	(A)
WATER METER	(M)
UTILITY POLE & ANCHOR	(U) OHE →
POWER POLE	(P)
STREET LIGHT	(L)
LIGHT	(L)
ASPHALT PAVING	=====
CURB & GUTTER	=====
SIDEWALK	=====
RAILROAD TRACKS	=====
GUARD RAIL	=====
SIGN	(S)
STRUCTURE	(S)
LANDSCAPING (TREES ETC.)	(T)
SECTION CORNER	(C)
MONUMENT	(M)
BENCH MARK	(B)
SURVEY CONTROL POINT	(CP800)

REVISION TRIANGLE	← REVISION NO. 1
DETAIL CALLOUT	1 C-001 ← DETAIL # ← SHEET NO.
KEYNOTE CALLOUT	1 ← KEYNOTE REFERENCE
PIPE CALLOUT	SS 18" PVC ← SYSTEM ← MATERIAL ← SIZE
SECTION CALLOUT	A G-001 ← DESIGNATION ← SHEET NO. DETAIL NAME/DESCRIPTION
DETAIL NAME	4' MANHOLE SCALE: 1/2"=1'-0" 11 22 33 ← DETAIL # ← SPECIFICATION NO.
SECTION NAME	TYPICAL ROAD SCALE: 1"=1" A ← SECTION DESCRIPTION ← DESIGNATION
VIEW NAME	PLAN VIEW ← VIEW DESCRIPTION SCALE: 1"=1"
GENERAL CALLOUT	← GENERAL NOTE
PROPOSED CALLOUT	← CONSTRUCTION NOTE

ALT	ALTERNATE
APPROX	APPROXIMATELY
BDRY	BOUNDARY
BKFL	BACKFILL
BM	BENCH MARK
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
CALC	CALCULATED
CB	CATCH BASIN
CCW	COUNTERCLOCKWISE
CEN	CENTER
CFS	CUBIC FEET PER SECOND
CL or CL	CENTERLINE/CONTROL LINE
CIP	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CPP	CORRUGATED PLASTIC PIPE
CU	CUBIC
CW	CLOCKWISE
°	DEGREE
DET	DETAIL
Ø, DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
ELEV	ELEVATION
ELEC	ELECTRIC/ELECTRICAL
EXC	EXCAVATION
EQUIP	EQUIPMENT
EXIST	EXISTING
FD	FOUND
FG	FINISH GRADE
FL OR F L	FLOW LINE
FPS	FEET PER SECOND
FT	FEET
GALV	GALVANIZED
GRD	GROUND

HDWL	HEADWALL
HORIZ	HORIZONTAL
HWY	HIGHWAY
HYD	HYDRANT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
INV	INVERT
L	LENGTH
LF	LINEAR FEET
LIN	LINEAR/LINEAL
LT	LEFT
MATL	MATERIAL
MAX	MAXIMUM
MKR	MARKER
MH	MANHOLE
MI	MILE
MISC	MISCELLANEOUS
MON	MONUMENT
N	NORTH
N/A	NO ACCESS or NOT APPLICABLE
NTS	NOT TO SCALE
No	NUMBER
OBLIT	OBLITERATE
OD	OUTSIDE DIAMETER
O-O	OUTSIDE TO OUTSIDE
ORIG	ORIGINAL
PVMT	PAVEMENT
PC	POINT OF CURVATURE
PE	POLYETHELENE
PERF	PERFORATED
PROJ	PROJECT
PROP	PROPERTY
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY

RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REF	REFERENCE
REINF	REINFORCED
REQD	REQUIRED
REV	REVISION
S	SOUTH
SAN	SANITARY
SCHED	SCHEDULE
SD	STORM DRAIN
SHT	SHEET
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	SANITARY SEWER
ST	STREET
STL	STEEL
STA	STATION
STD	STANDARD
TEMP	TEMPORARY
TEL	TELEPHONE/TELEGRAM
TP	TELEPHONE POLE
TYP	TYPICAL
UBC	UNIFORM BUILDING CODES
UG	UNDERGROUND
UT	UNDERGROUND TELEPHONE
VB	VALVE BOX
VERT	VERTICAL
VOL	VOLUME
W	WEST/WATER
WM	WATER METER
WV	WATER VALVE
XING	CROSSING
W/	WITH
W/O	WITHOUT
△	DELTA
%	PERCENT

STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS:

- ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
- CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
 - EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - CDOT M & S STANDARDS
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ON-SITE AND OFF-SITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
- CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
- CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
- SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
- THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

P:\Clients\Monument\04-20-0153 Waterline & Storage Tank\CAD\Sheets\General\County Submittals\ENGINEERING\PIPELINE\G-02 - LEGEND NOTES AND ABBREV.dwg - 1/17/2022 5:42 PM

NO.	REVISIONS	BY	DATE

ATTENTION
LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" SCALE ACCORDINGLY)

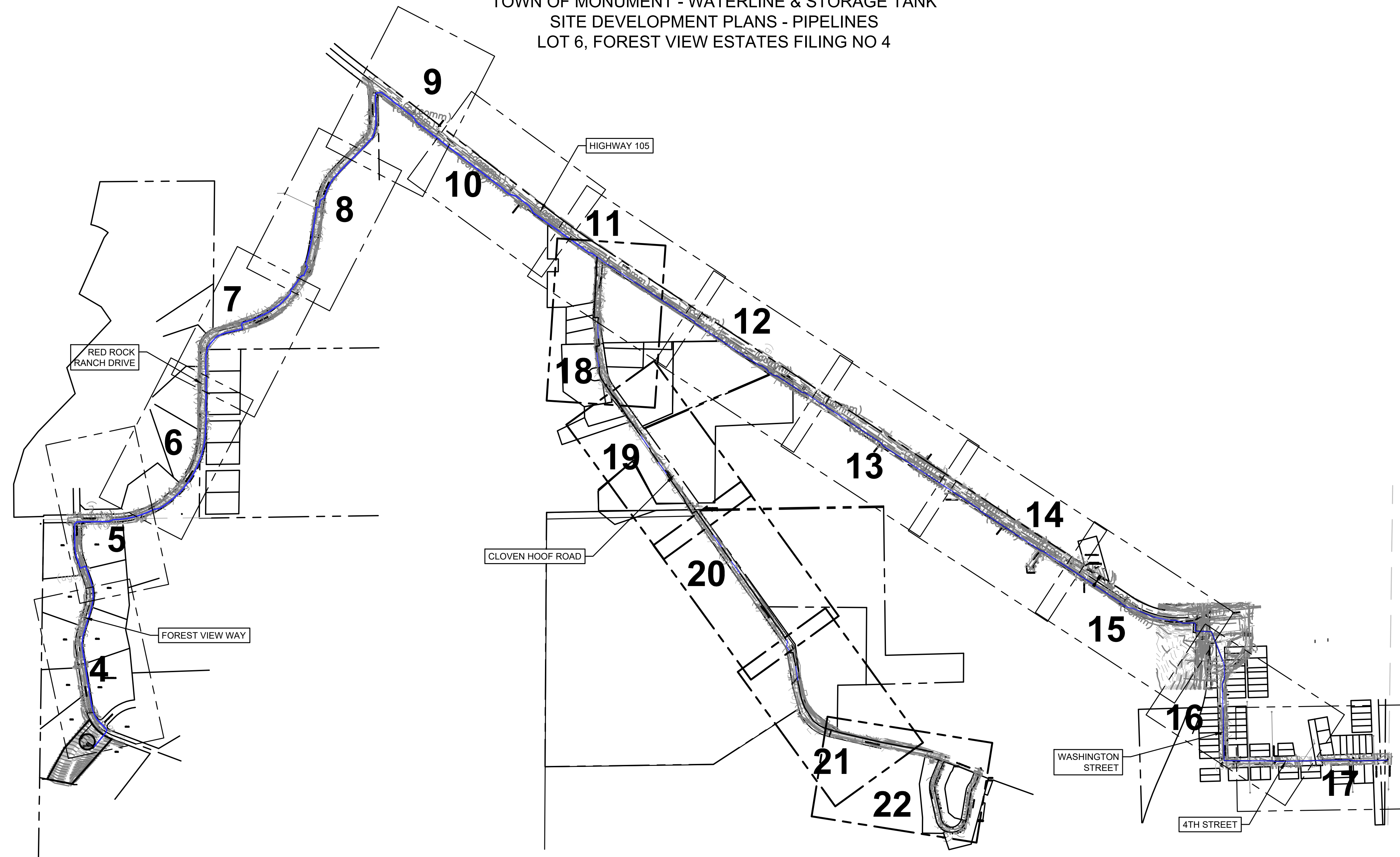


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56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
PH: 720.232.6644

MONUMENT WATERLINE & STORAGE TANK
CONSTRUCTION PLANS
LEGEND, NOTES AND ABBREVIATIONS

PROJECT NO:	04-20-0153
SHEET NO:	G-02
DATE:	JAN, 2022
PAGE NO:	2 OF 24

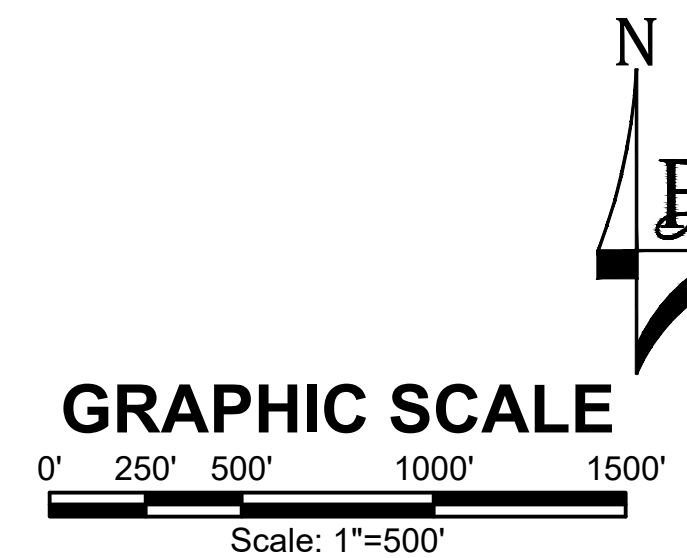
TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4



SURVEY CONTROL DATA

POINT NO.	NORTHING	EASTING	ELEVATION	POINT DESCRIPTION
150	1465758.075	3172710.430	7069.86 (NAVD 88)	3.25" ALUMINUM CAP "CDOT MP 7.4 #542"
151	1462473.388	3171175.657	7133.00 (NAVD 88)	#4 REBAR WITH RED PLASTIC CAP "CONTROL POINT"
152	1462480.295	3175247.677	6947.57 (NAVD 88)	#4 REBAR WITH RED PLASTIC CAP "CONTROL POINT"
153	1460915.673	3176013.847	6936.42 (NAVD 88)	#4 REBAR WITH RED PLASTIC CAP "CONTROL POINT"
154	1460518.879	3180552.386	7018.01 (NAVD 88)	#4 REBAR WITH RED PLASTIC CAP "CONTROL POINT"
115	1463118.253	3176474.552	6999.48 (NAVD 88)	3.25" ALUMINUM CAP "CDOT R.O.W."
110	1461819.218	3178628.362	6977.98 (NAVD 88)	3.25" ALUMINUM CAP "CDOT R.O.W."

COORDINATE SYSTEM: NAD83 (2011)
 STATE PLANE ZONE: COLORADO CENTRAL ZONE 0502
 UNITS: US SURVEY FEET
 GEOID MODEL: GEOID18
 PROJECT COORDINATES SHOWN HEREON ARE MODIFIED STATE PLANE GROUND COORDINATES
 GRID TO GROUND COMBINED SCALE FACTOR: 1.0004129397
 GROUND TO GRID COMBINED SCALE FACTOR: 0.9995872307
 FALSE NORTHING: 0.0
 FALSE EASTING: 0.0



GENERAL CONSTRUCTION NOTES:

1. INSTALLATION OF ALL GRADING, EROSION CONTROL BMP'S SHALL BE PERFORMED IN ACCORDANCE WITH THE URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, CHAPTER 7. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THIS MANUAL DURING CONSTRUCTION.
2. ANY UNPAVED AREA THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESEDED.

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NO.	REVISIONS	BY	DATE

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
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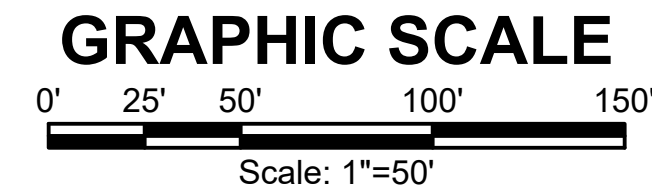
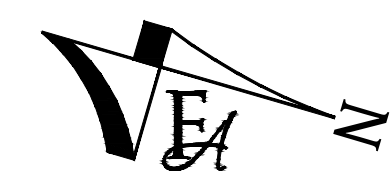
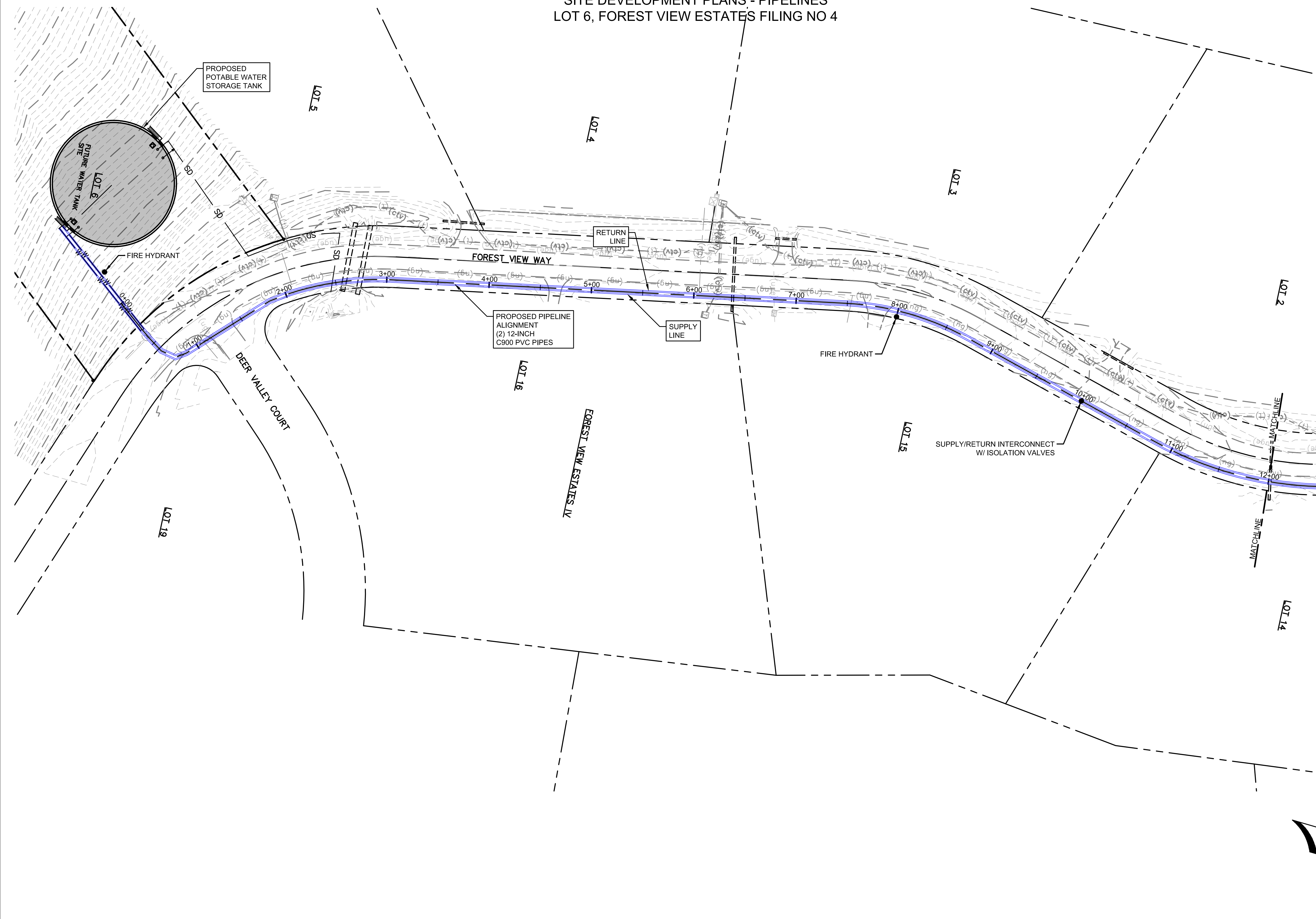
TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS
PIPELINE ALIGNMENTS KEY MAP

PROJECT NO:	04-20-0153
SHEET NO:	3
DATE:	PAGE NO:
JAN, 2022	3 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LEGEND

- MATCH LINE
- CENTER LINE
- CONTROL LINE
- PROPERTY OR R/W LINE
- EASEMENT LINE
- STREET MONUMENT LINE
- WIRE FENCE
- CHAIN LINK FENCE
- BARBED WIRE FENCE
- CONTOUR LINE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- ELECTRIC BOX
- ELECTRIC MANHOLE
- ELECTRIC METER
- GAS LINE
- GAS VALVE
- GAS METER
- IRRIGATION LINE
- SANITARY SEWER LINE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- SECONDARY WATER LINE
- SECONDARY WATER VALVE
- SECONDARY WATER VAULT
- STORM DRAIN LINE
- STORM DRAIN CATCH BASIN
- STORM DRAIN INLET(S)
- STORM DRAIN COMBO BOX
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT BOX
- STORM DRAIN VAULT
- CULVERT
- TELEPHONE CABLE
- TELEPHONE BOX
- TELEPHONE MANHOLE
- TELEPHONE POST
- WATER LINE
- FIRE HYDRANT
- FIRE RISER
- WATER VALVE
- WATER AIR RELEASE VALVE
- WATER METER
- UTILITY POLE & ANCHOR
- POWER POLE
- STREET LIGHT
- LIGHT
- ASPHALT PAVING
- CURB & GUTTER
- SIDEWALK
- RAILROAD TRACKS
- GUARD RAIL
- SIGN
- STRUCTURE
- LANDSCAPING (TREES ETC.)
- SECTION CORNER
- MONUMENT
- BENCH MARK
- SURVEY CONTROL POINT



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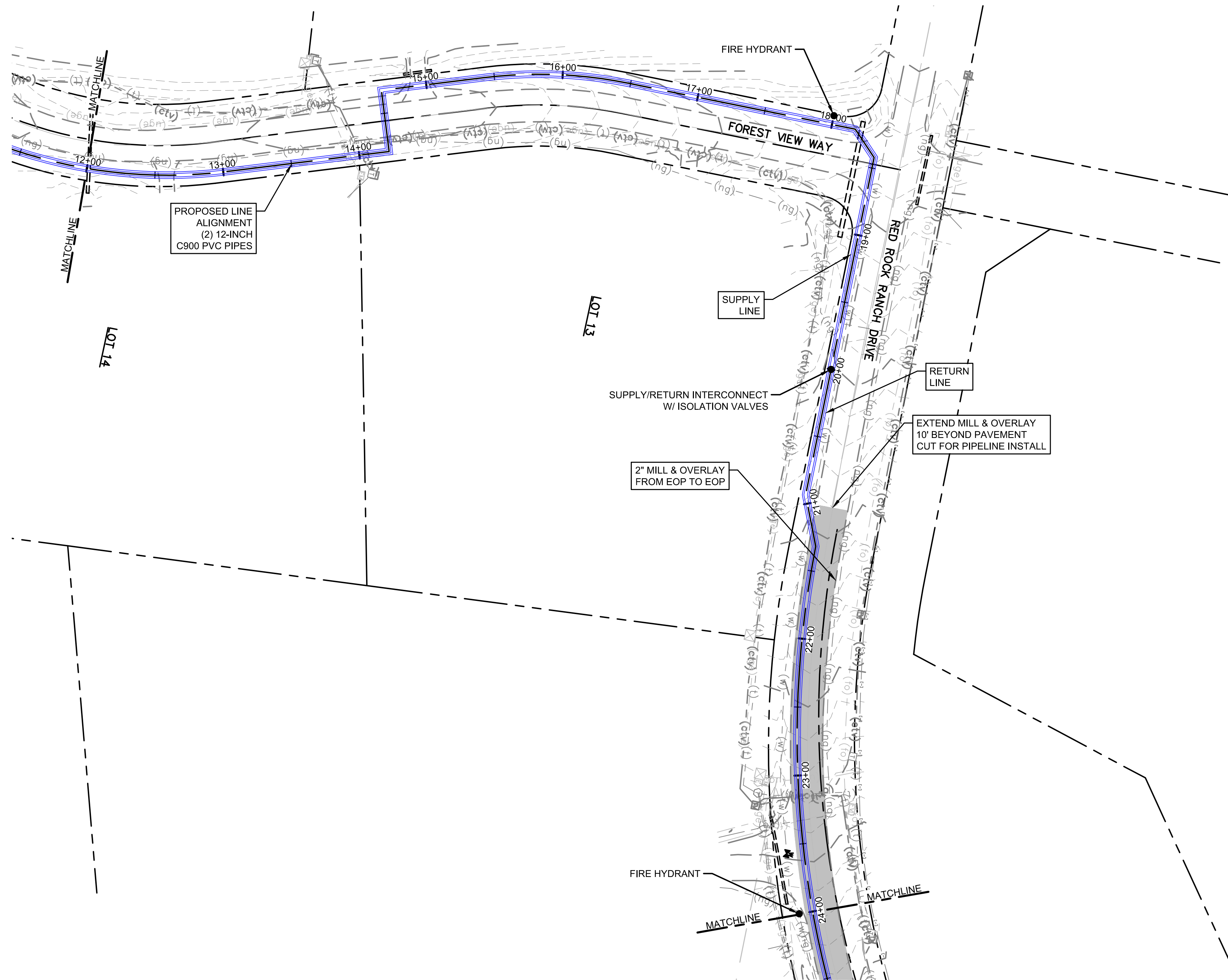


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TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS
PIPELINE ALIGNMENTS
 STA 0+00 TO STA 12+00

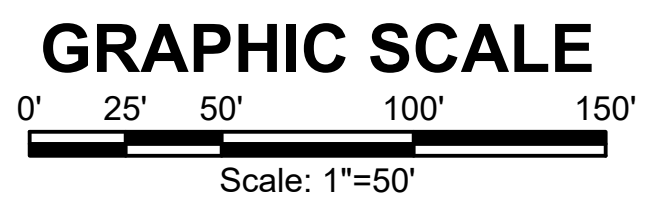
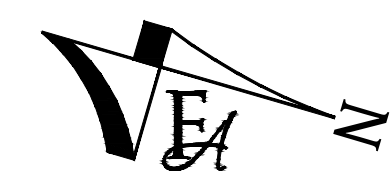
PROJECT NO:	04-20-0153
SHEET NO:	4
DATE:	JAN, 2022
PAGE NO:	4 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4



LEGEND

MATCH LINE	---
CENTER LINE	_____
CONTROL LINE	=====
PROPERTY OR R/W LINE	-----
EASEMENT LINE	-----
STREET MONUMENT LINE	-----
WIRE FENCE	—o—
CHAIN LINK FENCE	—x—
BARBED WIRE FENCE	—X—
CONTOUR LINE	----- 4250
UNDERGROUND ELECTRIC	---(uge)---
OVERHEAD ELECTRIC	---(ohe)---
ELECTRIC BOX	(E)
ELECTRIC MANHOLE	(E)
ELECTRIC METER	(E)
GAS LINE	---(g)---
GAS VALVE	(g)
GAS METER	(g)
IRRIGATION LINE	---IRR---
SANITARY SEWER LINE	---SS---
SANITARY SEWER CLEANOUT	(S)
SANITARY SEWER MANHOLE	(S)
SECONDARY WATER LINE	---SW---
SECONDARY WATER VALVE	(SW)
SECONDARY WATER VAULT	(SW)
STORM DRAIN LINE	---SD---
STORM DRAIN CATCH BASIN	(SD)
STORM DRAIN INLET(S)	(SD)
STORM DRAIN COMBO BOX	(SD)
STORM DRAIN MANHOLE	(D)
STORM DRAIN CLEANOUT BOX	(D)
STORM DRAIN VAULT	(SD)
CULVERT	---SD---
TELEPHONE CABLE	---COMM---
TELEPHONE BOX	(T)
TELEPHONE MANHOLE	(T)
TELEPHONE POST	(T)
WATER LINE	---PW---
FIRE HYDRANT	(FH)
FIRE RISER	(FR)
WATER VALVE	(WV)
WATER AIR RELEASE VALVE	(WARV)
WATER METER	(WM)
UTILITY POLE & ANCHOR	(OHE)
POWER POLE	(PP)
STREET LIGHT	(SL)
LIGHT	(L)
ASPHALT PAVING	=====
CURB & GUTTER	=====
SIDEWALK	=====
RAILROAD TRACKS	=====
GUARD RAIL	=====
SIGN	(S)
STRUCTURE	(S)
LANDSCAPING (TREES ETC.)	(L)
SECTION CORNER	(SC)
MONUMENT	(M)
BENCH MARK	(BM)
SURVEY CONTROL POINT	(CP800)



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NO.	REVISIONS	BY	DATE

DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)



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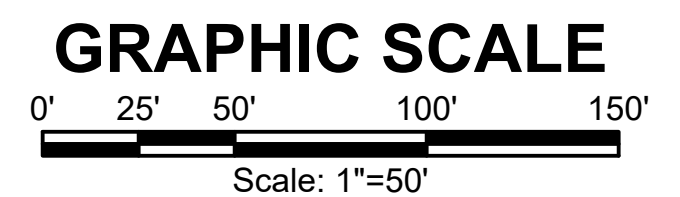
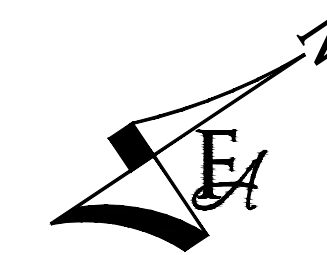
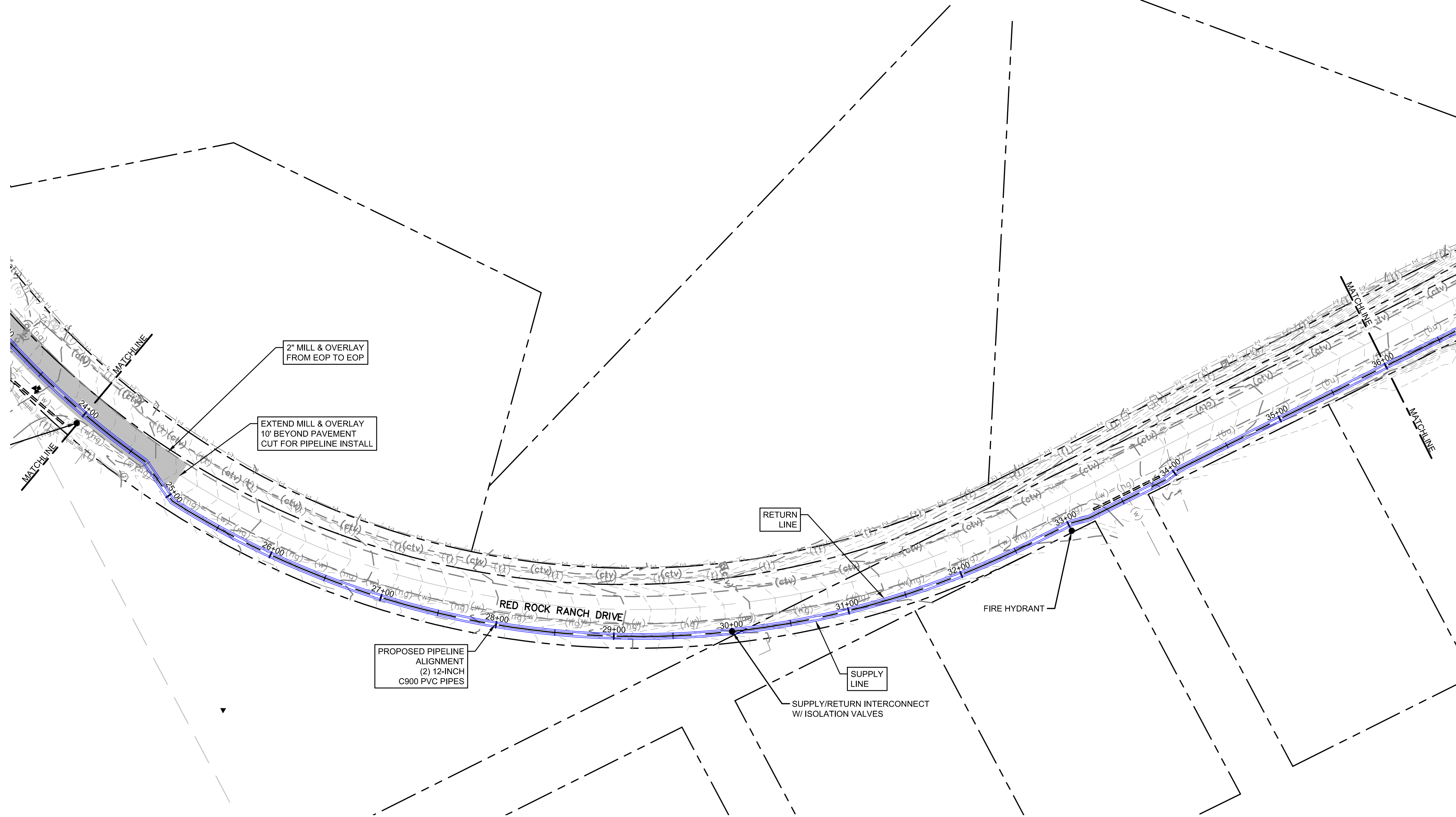
TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS
PIPELINE ALIGNMENTS
 STA 12+00 TO STA 24+00

PROJECT NO:	04-20-0153
SHEET NO:	5
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PAGE NO:	5 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LEGEND

MATCH LINE	---
CENTER LINE	---
CONTROL LINE	---
PROPERTY OR R/W LINE	---
EASEMENT LINE	---
STREET MONUMENT LINE	---
WIRE FENCE	---
CHAIN LINK FENCE	---
BARBED WIRE FENCE	---
CONTOUR LINE	---
UNDERGROUND ELECTRIC	---
OVERHEAD ELECTRIC	---
ELECTRIC BOX	---
ELECTRIC MANHOLE	---
ELECTRIC METER	---
GAS LINE	---
GAS VALVE	---
GAS METER	---
IRRIGATION LINE	---
SANITARY SEWER LINE	---
SANITARY SEWER CLEANOUT	---
SANITARY SEWER MANHOLE	---
SECONDARY WATER LINE	---
SECONDARY WATER VALVE	---
SECONDARY WATER VAULT	---
STORM DRAIN LINE	---
STORM DRAIN CATCH BASIN	---
STORM DRAIN INLET(S)	---
STORM DRAIN COMBO BOX	---
STORM DRAIN MANHOLE	---
STORM DRAIN CLEANOUT BOX	---
STORM DRAIN VAULT	---
CULVERT	---
TELEPHONE CABLE	---
TELEPHONE BOX	---
TELEPHONE MANHOLE	---
TELEPHONE POST	---
WATER LINE	---
FIRE HYDRANT	---
FIRE RISER	---
WATER VALVE	---
WATER AIR RELEASE VALVE	---
WATER METER	---
UTILITY POLE & ANCHOR	---
POWER POLE	---
STREET LIGHT	---
LIGHT	---
ASPHALT PAVING	---
CURB & GUTTER	---
SIDEWALK	---
RAILROAD TRACKS	---
GUARD RAIL	---
SIGN	---
STRUCTURE	---
LANDSCAPING (TREES ETC.)	---
SECTION CORNER	---
MONUMENT	---
BENCH MARK	---
SURVEY CONTROL POINT	---



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DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
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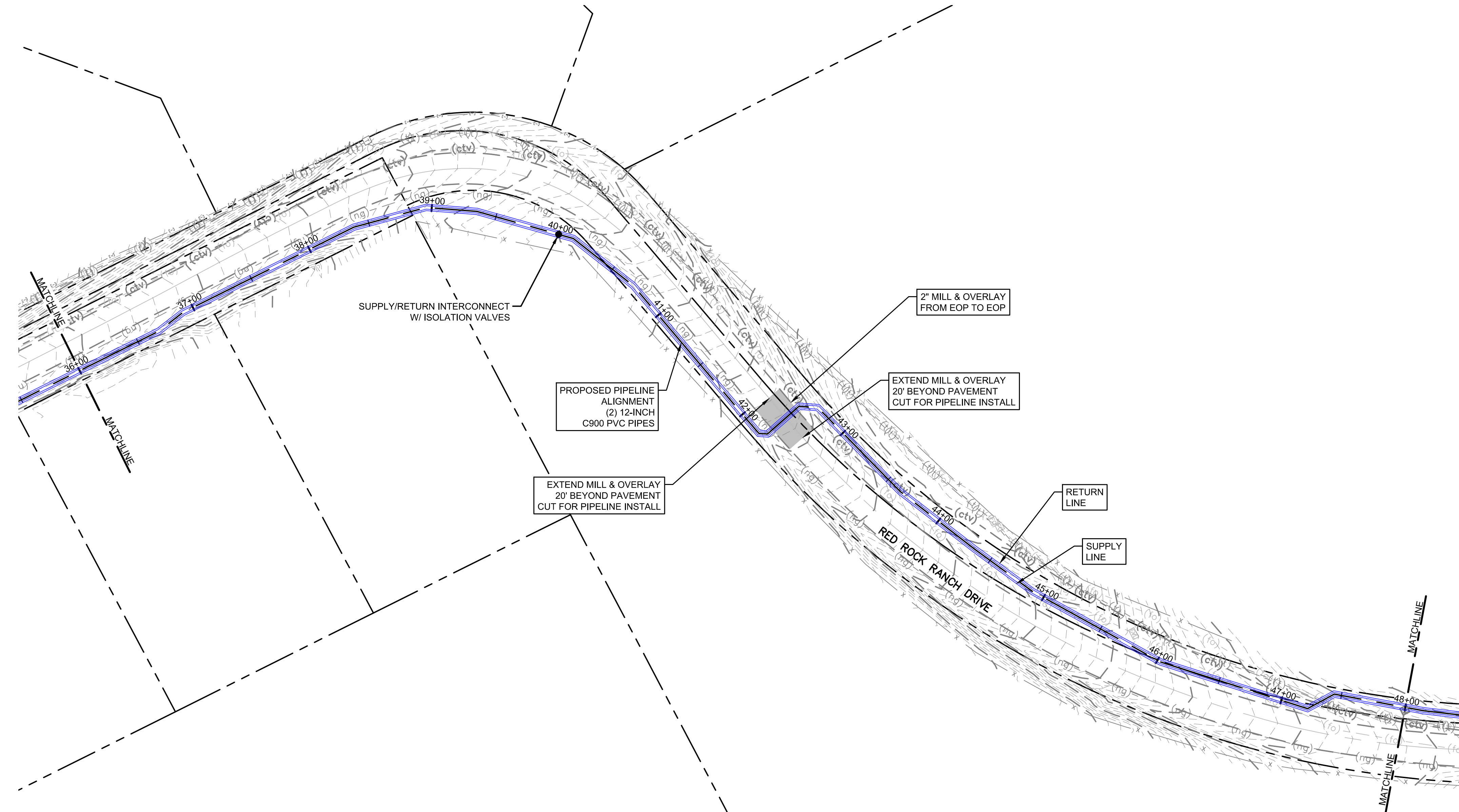


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TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS
PIPELINE ALIGNMENTS
 STA 24+00 TO STA 36+00

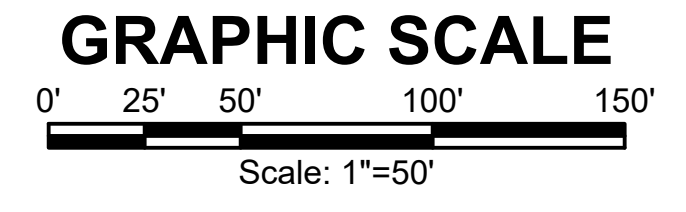
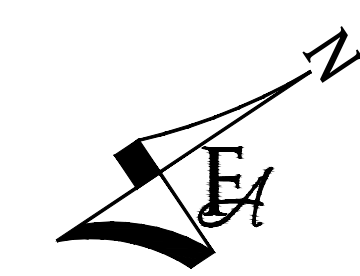
PROJECT NO:	04-20-0153
SHEET NO:	6
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PAGE NO:	6 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4



LEGEND

- MATCH LINE
- CENTER LINE
- CONTROL LINE
- PROPERTY OR R/W LINE
- EASEMENT LINE
- STREET MONUMENT LINE
- WIRE FENCE
- CHAIN LINK FENCE
- BARBED WIRE FENCE
- CONTOUR LINE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- ELECTRIC BOX
- ELECTRIC MANHOLE
- ELECTRIC METER
- GAS LINE
- GAS VALVE
- GAS METER
- IRRIGATION LINE
- SANITARY SEWER LINE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- SECONDARY WATER LINE
- SECONDARY WATER VALVE
- SECONDARY WATER VAULT
- STORM DRAIN LINE
- STORM DRAIN CATCH BASIN
- STORM DRAIN INLET(S)
- STORM DRAIN COMBO BOX
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT BOX
- STORM DRAIN VAULT
- CULVERT
- TELEPHONE CABLE
- TELEPHONE BOX
- TELEPHONE MANHOLE
- TELEPHONE POST
- WATER LINE
- FIRE HYDRANT
- FIRE RISER
- WATER VALVE
- WATER AIR RELEASE VALVE
- WATER METER
- UTILITY POLE & ANCHOR
- POWER POLE
- STREET LIGHT
- LIGHT
- ASPHALT PAVING
- CURB & GUTTER
- SIDEWALK
- RAILROAD TRACKS
- GUARD RAIL
- SIGN
- STRUCTURE
- LANDSCAPING (TREES ETC.)
- SECTION CORNER
- MONUMENT
- BENCH MARK
- SURVEY CONTROL POINT



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DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER

ATTENTION
 LINE IS 2 INCHES
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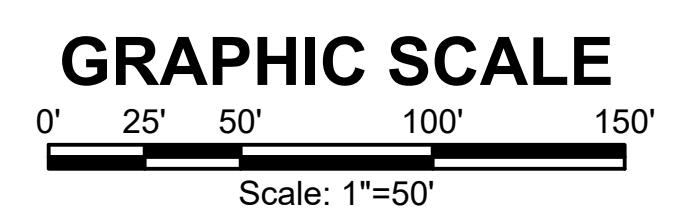
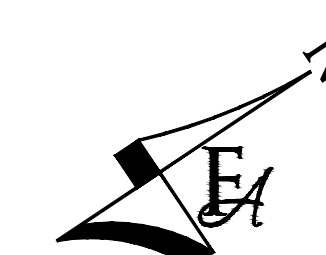
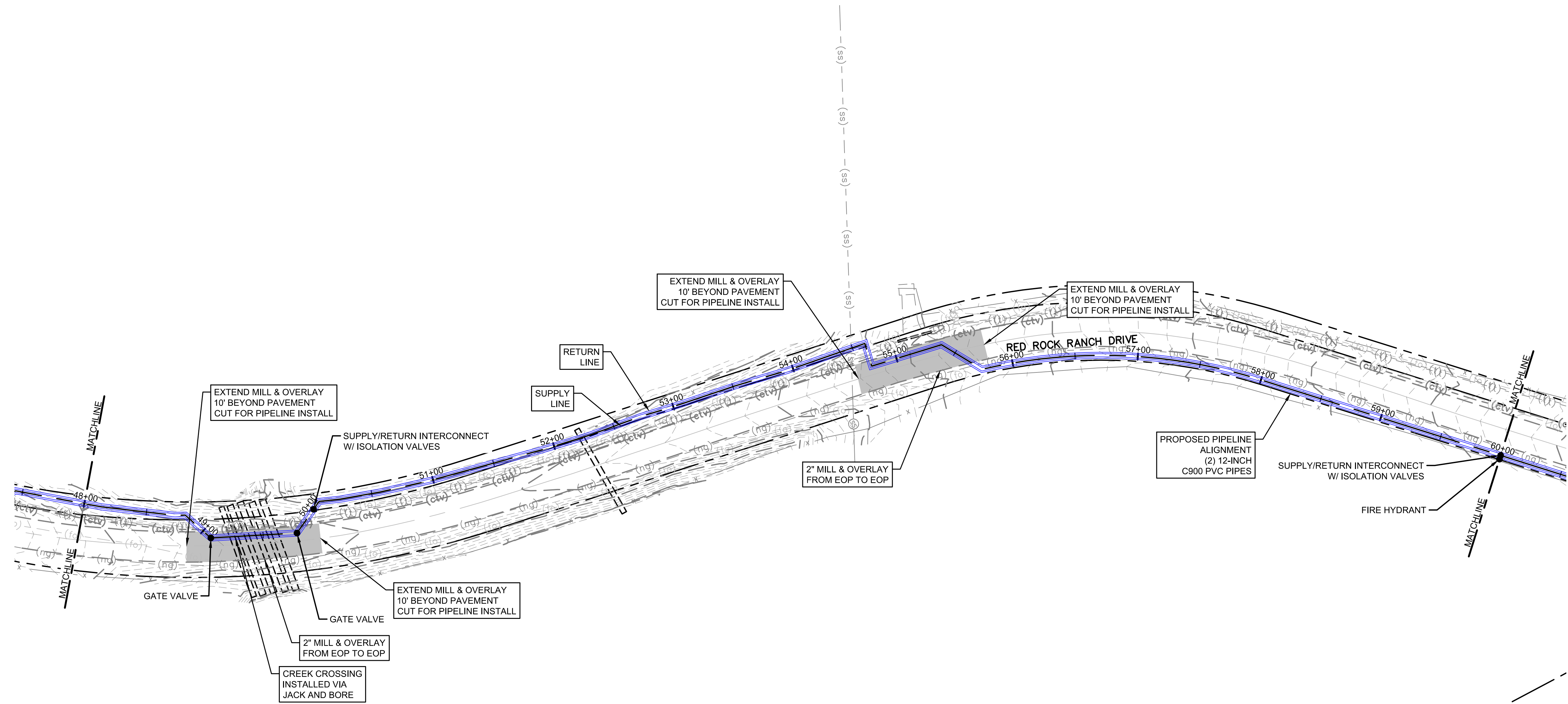
TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS
PIPELINE ALIGNMENTS
 STA 36+00 TO STA 48+00

PROJECT NO:	04-20-0153
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DATE:	JAN, 2022
PAGE NO:	7 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LEGEND

MATCH LINE	---
CENTER LINE	---
CONTROL LINE	---
PROPERTY OR R/W LINE	---
EASEMENT LINE	---
STREET MONUMENT LINE	---
WIRE FENCE	---
CHAIN LINK FENCE	---
BARBED WIRE FENCE	---
CONTOUR LINE	---
UNDERGROUND ELECTRIC	---
OVERHEAD ELECTRIC	---
ELECTRIC BOX	ⓔ
ELECTRIC MANHOLE	ⓔ
ELECTRIC METER	ⓔ
GAS LINE	---
GAS VALVE	---
GAS METER	---
IRRIGATION LINE	IRR
SANITARY SEWER LINE	SS
SANITARY SEWER CLEANOUT	Ⓢ
SANITARY SEWER MANHOLE	Ⓢ
SECONDARY WATER LINE	SW
SECONDARY WATER VALVE	---
SECONDARY WATER VAULT	---
STORM DRAIN LINE	SD
STORM DRAIN CATCH BASIN	---
STORM DRAIN INLET(S)	---
STORM DRAIN COMBO BOX	---
STORM DRAIN MANHOLE	---
STORM DRAIN CLEANOUT BOX	---
STORM DRAIN VAULT	---
CULVERT	SD
TELEPHONE CABLE	COMM
TELEPHONE BOX	Ⓣ
TELEPHONE MANHOLE	Ⓣ
TELEPHONE POST	Ⓣ
WATER LINE	PW
FIRE HYDRANT	---
FIRE RISER	---
WATER VALVE	---
WATER AIR RELEASE VALVE	---
WATER METER	---
UTILITY POLE & ANCHOR	OHE
POWER POLE	ⓐ
STREET LIGHT	---
LIGHT	---
ASPHALT PAVING	---
CURB & GUTTER	---
SIDEWALK	---
RAILROAD TRACKS	---
GUARD RAIL	---
SIGN	---
STRUCTURE	---
LANDSCAPING (TREES ETC.)	---
SECTION CORNER	12 11
MONUMENT	---
BENCH MARK	---
SURVEY CONTROL POINT	CP800



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NO.	REVISIONS	BY	DATE

DRAWN S. CALE
 DESIGNED J. ADAMS
 APPROVED J. ADAMS
 QA W. KOGER

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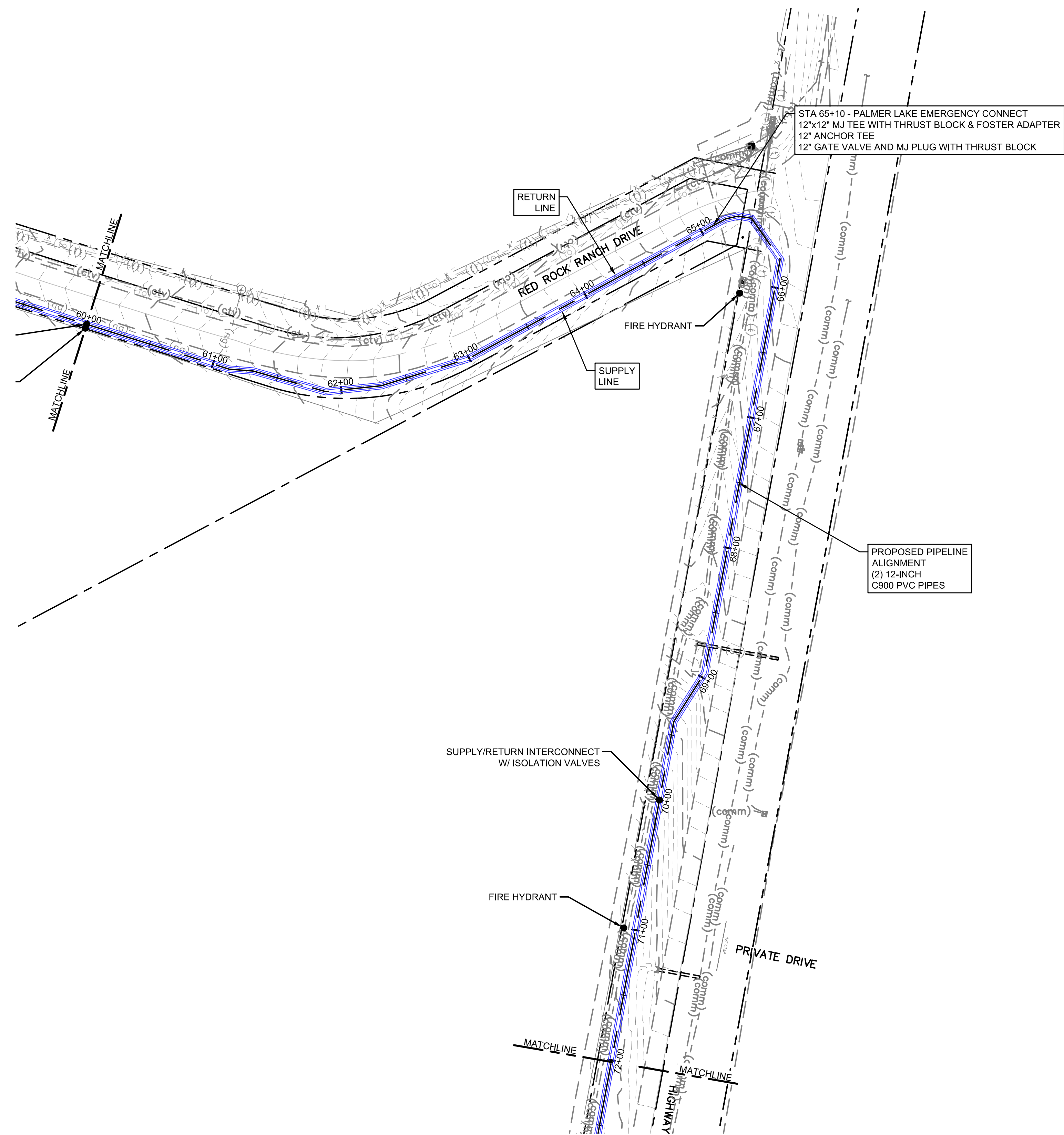


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TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS
PIPELINE ALIGNMENTS
 STA 48+00 TO STA 60+00

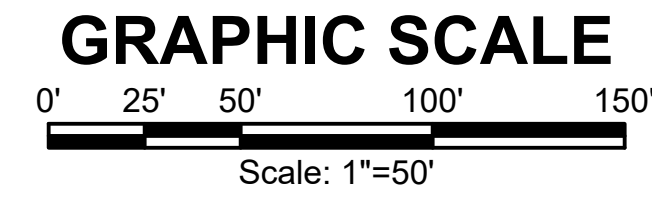
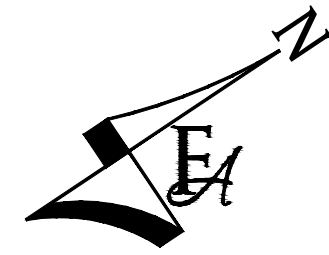
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TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4



LEGEND

- MATCH LINE
- CENTER LINE
- CONTROL LINE
- PROPERTY OR R/W LINE
- EASEMENT LINE
- STREET MONUMENT LINE
- WIRE FENCE
- CHAIN LINK FENCE
- BARBED WIRE FENCE
- CONTOUR LINE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- ELECTRIC BOX
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- GAS VALVE
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- WATER LINE
- FIRE HYDRANT
- FIRE RISER
- WATER VALVE
- WATER AIR RELEASE VALVE
- WATER METER
- UTILITY POLE & ANCHOR
- POWER POLE
- STREET LIGHT
- LIGHT
- ASPHALT PAVING
- CURB & GUTTER
- SIDEWALK
- RAILROAD TRACKS
- GUARD RAIL
- SIGN
- STRUCTURE
- LANDSCAPING (TREES ETC.)
- SECTION CORNER
- MONUMENT
- BENCH MARK
- SURVEY CONTROL POINT



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NO.	REVISIONS	BY	DATE

DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)



FORSGREN
Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644

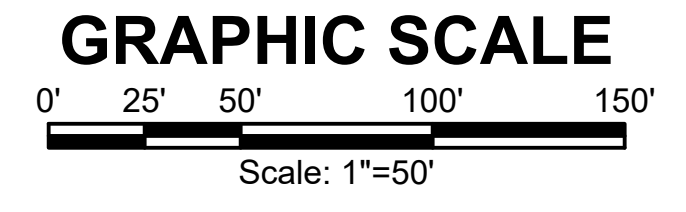
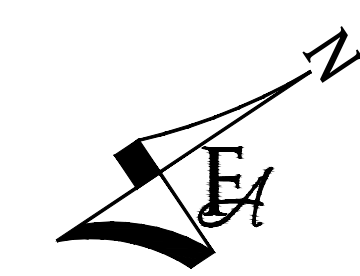
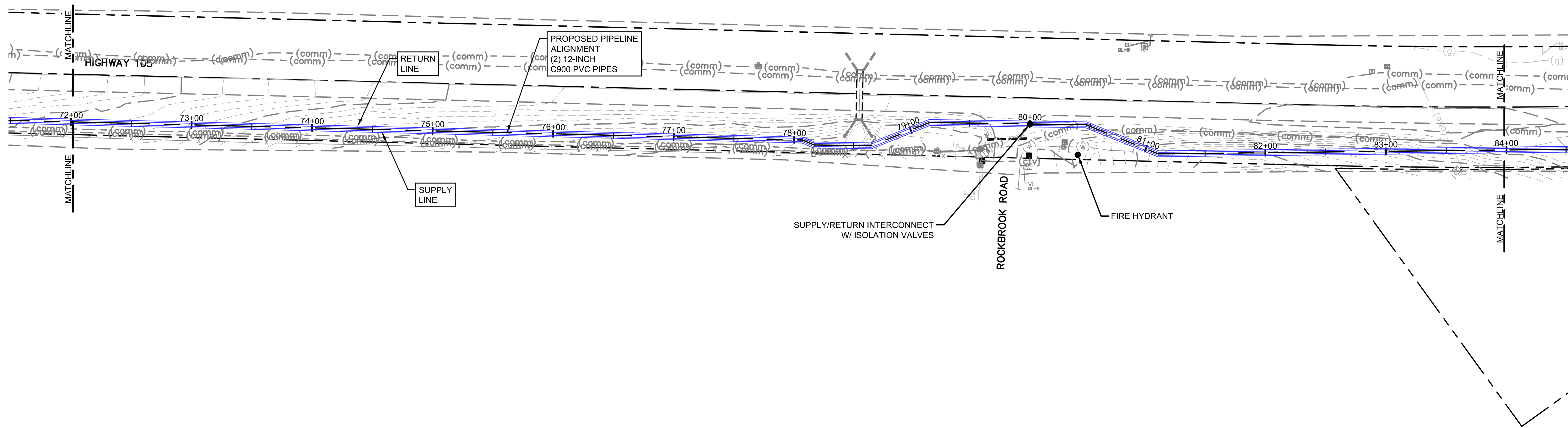
TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS
PIPELINE ALIGNMENTS
 STA 60+00 TO STA 72+00

PROJECT NO:	04-20-0153
SHEET NO:	9
DATE:	JAN, 2022
PAGE NO:	9 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LEGEND

MATCH LINE	---
CENTER LINE	---
CONTROL LINE	---
PROPERTY OR R/W LINE	---
EASEMENT LINE	---
STREET MONUMENT LINE	---
WIRE FENCE	---
CHAIN LINK FENCE	---
BARBED WIRE FENCE	---
CONTOUR LINE	---
UNDERGROUND ELECTRIC	---
OVERHEAD ELECTRIC	---
ELECTRIC BOX	---
ELECTRIC MANHOLE	---
ELECTRIC METER	---
GAS LINE	---
GAS VALVE	---
GAS METER	---
IRRIGATION LINE	---
SANITARY SEWER LINE	---
SANITARY SEWER CLEANOUT	---
SANITARY SEWER MANHOLE	---
SECONDARY WATER LINE	---
SECONDARY WATER VALVE	---
SECONDARY WATER VAULT	---
STORM DRAIN LINE	---
STORM DRAIN CATCH BASIN	---
STORM DRAIN INLET(S)	---
STORM DRAIN COMBO BOX	---
STORM DRAIN MANHOLE	---
STORM DRAIN CLEANOUT BOX	---
STORM DRAIN VAULT	---
CULVERT	---
TELEPHONE CABLE	---
TELEPHONE BOX	---
TELEPHONE MANHOLE	---
TELEPHONE POST	---
WATER LINE	---
FIRE HYDRANT	---
FIRE RISER	---
WATER VALVE	---
WATER AIR RELEASE VALVE	---
WATER METER	---
UTILITY POLE & ANCHOR	---
POWER POLE	---
STREET LIGHT	---
LIGHT	---
ASPHALT PAVING	---
CURB & GUTTER	---
SIDEWALK	---
RAILROAD TRACKS	---
GUARD RAIL	---
SIGN	---
STRUCTURE	---
LANDSCAPING (TREES ETC.)	---
SECTION CORNER	---
MONUMENT	---
BENCH MARK	---
SURVEY CONTROL POINT	---



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NO.	REVISIONS	BY	DATE

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER



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 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644

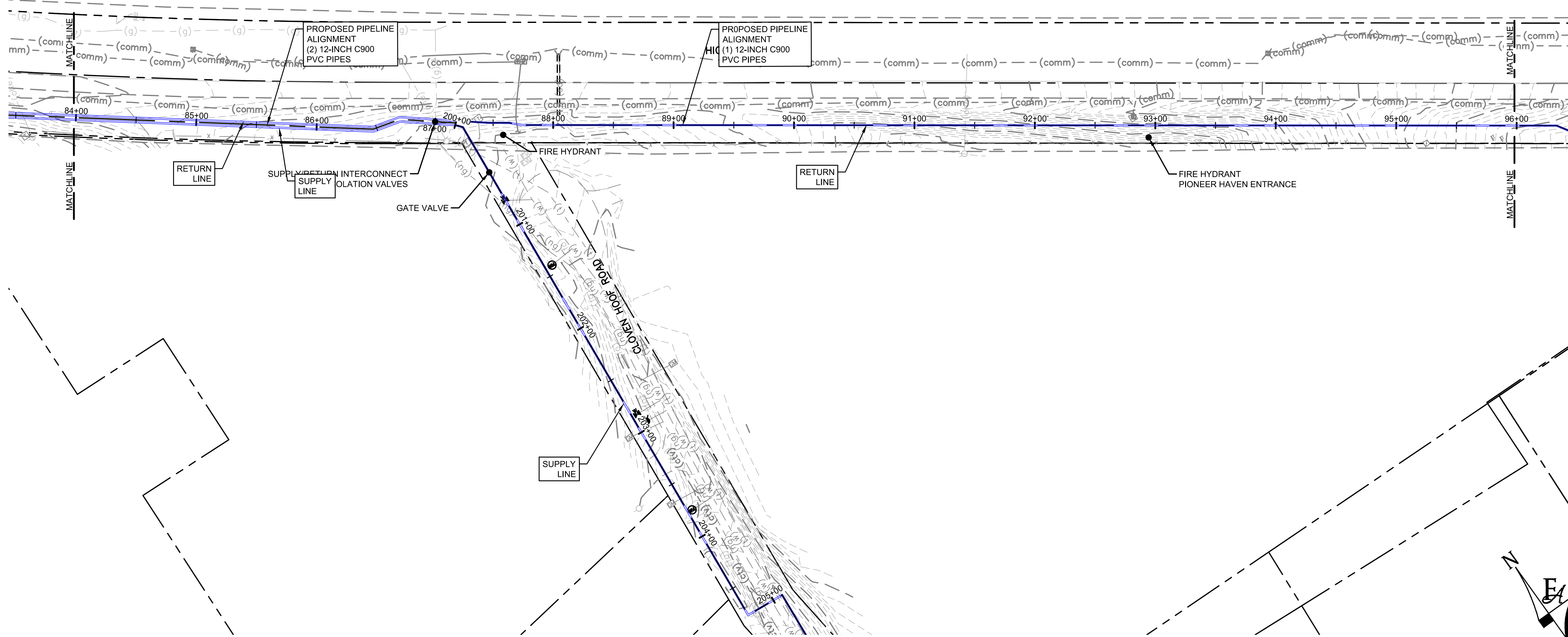
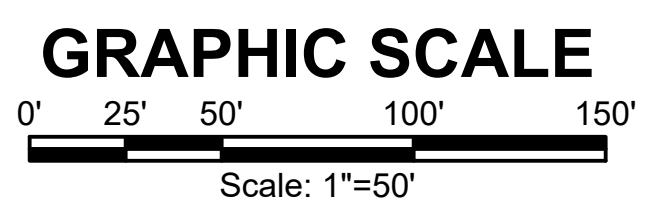
TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS
PIPELINE ALIGNMENTS
 STA 72+00 TO STA 84+00

PROJECT NO:	04-20-0153
SHEET NO:	10
DATE:	JAN, 2022
PAGE NO:	10 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LEGEND

MATCH LINE	---
CENTER LINE	---
CONTROL LINE	---
PROPERTY OR R/W LINE	---
EASEMENT LINE	---
STREET MONUMENT LINE	---
WIRE FENCE	---
CHAIN LINK FENCE	---
BARBED WIRE FENCE	---
CONTOUR LINE	---
UNDERGROUND ELECTRIC	---
OVERHEAD ELECTRIC	---
ELECTRIC BOX	---
ELECTRIC MANHOLE	---
ELECTRIC METER	---
GAS LINE	---
GAS VALVE	---
GAS METER	---
IRRIGATION LINE	---
SANITARY SEWER LINE	---
SANITARY SEWER CLEANOUT	---
SANITARY SEWER MANHOLE	---
SECONDARY WATER LINE	---
SECONDARY WATER VALVE	---
SECONDARY WATER VAULT	---
STORM DRAIN LINE	---
STORM DRAIN CATCH BASIN	---
STORM DRAIN INLET(S)	---
STORM DRAIN COMBO BOX	---
STORM DRAIN MANHOLE	---
STORM DRAIN CLEANOUT BOX	---
STORM DRAIN VAULT	---
CULVERT	---
TELEPHONE CABLE	---
TELEPHONE BOX	---
TELEPHONE MANHOLE	---
TELEPHONE POST	---
WATER LINE	---
FIRE HYDRANT	---
FIRE RISER	---
WATER VALVE	---
WATER AIR RELEASE VALVE	---
WATER METER	---
UTILITY POLE & ANCHOR	---
POWER POLE	---
STREET LIGHT	---
LIGHT	---
ASPHALT PAVING	---
CURB & GUTTER	---
SIDEWALK	---
RAILROAD TRACKS	---
GUARD RAIL	---
SIGN	---
STRUCTURE	---
LANDSCAPING (TREES ETC.)	---
SECTION CORNER	---
MONUMENT	---
BENCH MARK	---
SURVEY CONTROL POINT	---



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NO.	REVISIONS	BY	DATE

DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)



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 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
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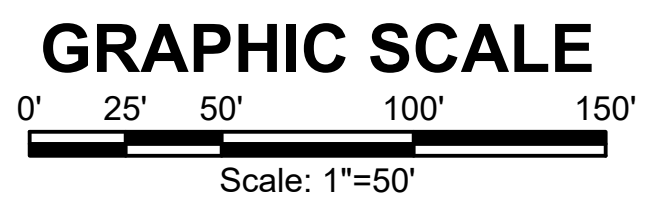
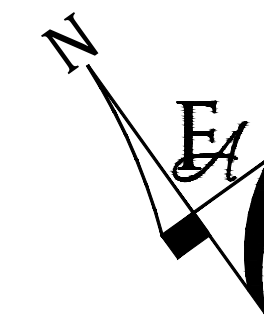
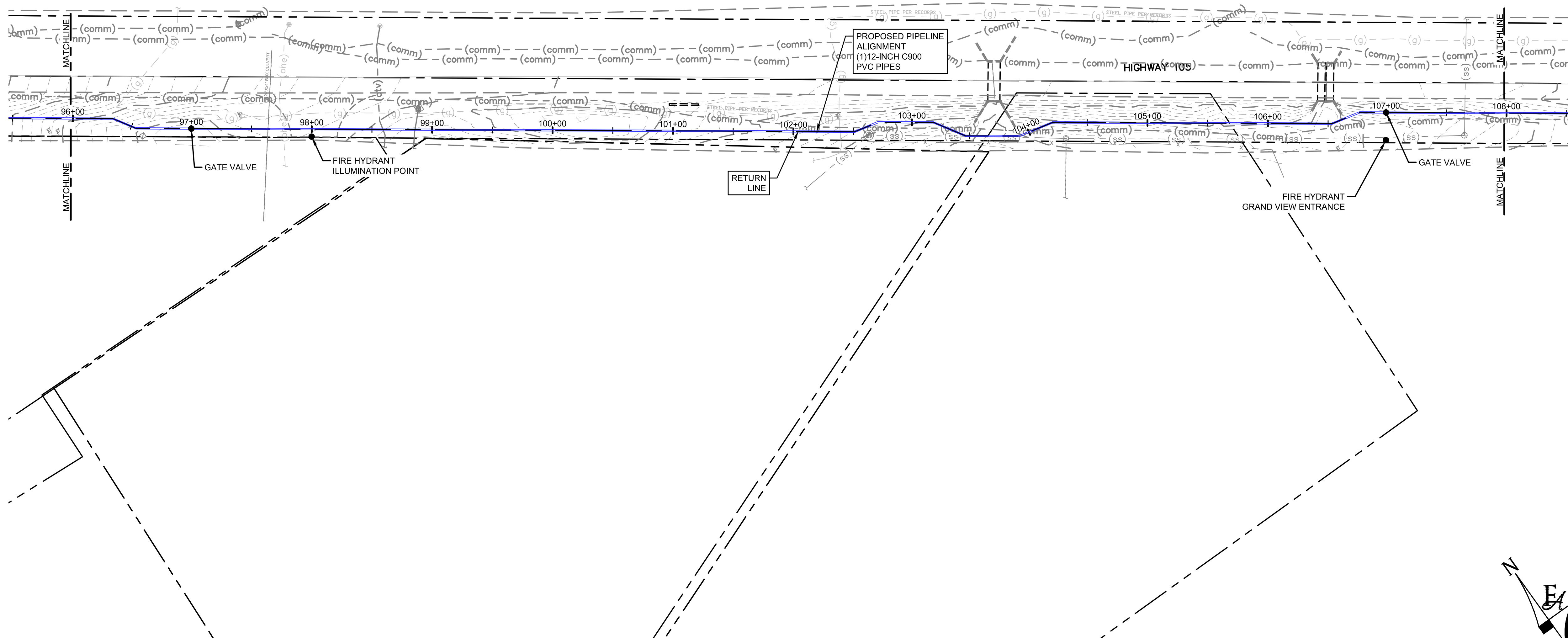
TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS
PIPELINE ALIGNMENTS
 STA 84+00 TO STA 96+00

PROJECT NO:	04-20-0153
SHEET NO:	11
DATE:	JAN, 2022
PAGE NO:	11 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LEGEND

MATCH LINE	---
CENTER LINE	---
CONTROL LINE	---
PROPERTY OR R/W LINE	---
EASEMENT LINE	---
STREET MONUMENT LINE	---
WIRE FENCE	---
CHAIN LINK FENCE	---
BARBED WIRE FENCE	---
CONTOUR LINE	---
UNDERGROUND ELECTRIC	---
OVERHEAD ELECTRIC	---
ELECTRIC BOX	---
ELECTRIC MANHOLE	---
ELECTRIC METER	---
GAS LINE	---
GAS VALVE	---
GAS METER	---
IRRIGATION LINE	---
SANITARY SEWER LINE	---
SANITARY SEWER CLEANOUT	---
SANITARY SEWER MANHOLE	---
SECONDARY WATER LINE	---
SECONDARY WATER VALVE	---
SECONDARY WATER VAULT	---
STORM DRAIN LINE	---
STORM DRAIN CATCH BASIN	---
STORM DRAIN INLET(S)	---
STORM DRAIN COMBO BOX	---
STORM DRAIN MANHOLE	---
STORM DRAIN CLEANOUT BOX	---
STORM DRAIN VAULT	---
CULVERT	---
TELEPHONE CABLE	---
TELEPHONE BOX	---
TELEPHONE MANHOLE	---
TELEPHONE POST	---
WATER LINE	---
FIRE HYDRANT	---
FIRE RISER	---
WATER VALVE	---
WATER AIR RELEASE VALVE	---
WATER METER	---
UTILITY POLE & ANCHOR	---
POWER POLE	---
STREET LIGHT	---
LIGHT	---
ASPHALT PAVING	---
CURB & GUTTER	---
SIDEWALK	---
RAILROAD TRACKS	---
GUARD RAIL	---
SIGN	---
STRUCTURE	---
LANDSCAPING (TREES ETC.)	---
SECTION CORNER	---
MONUMENT	---
BENCH MARK	---
SURVEY CONTROL POINT	---



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NO.	REVISIONS	BY	DATE

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER



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 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
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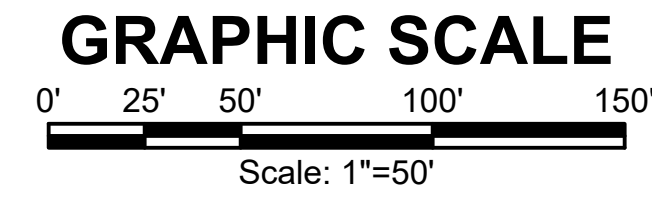
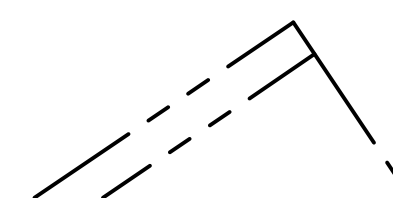
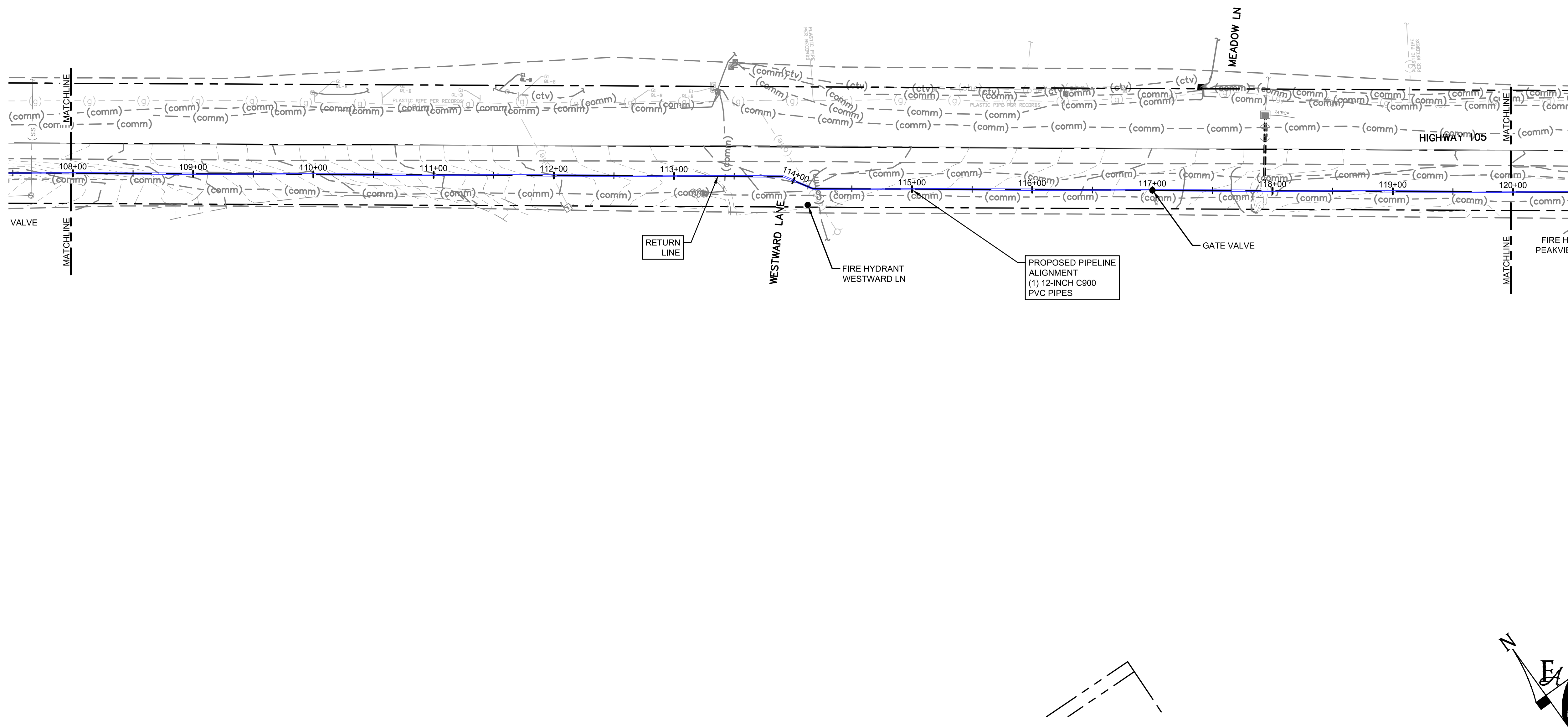
TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS
PIPELINE ALIGNMENTS
 STA 96+00 TO STA 108+00

PROJECT NO:	04-20-0153
SHEET NO:	12
DATE:	JAN, 2022
PAGE NO:	12 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LEGEND

- MATCH LINE
- CENTER LINE
- CONTROL LINE
- PROPERTY OR R/W LINE
- EASEMENT LINE
- STREET MONUMENT LINE
- WIRE FENCE
- CHAIN LINK FENCE
- BARBED WIRE FENCE
- CONTOUR LINE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- ELECTRIC BOX
- ELECTRIC MANHOLE
- ELECTRIC METER
- GAS LINE
- GAS VALVE
- GAS METER
- IRRIGATION LINE
- SANITARY SEWER LINE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- SECONDARY WATER LINE
- SECONDARY WATER VALVE
- SECONDARY WATER VAULT
- STORM DRAIN LINE
- STORM DRAIN CATCH BASIN
- STORM DRAIN INLET(S)
- STORM DRAIN COMBO BOX
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT BOX
- STORM DRAIN VAULT
- CULVERT
- TELEPHONE CABLE
- TELEPHONE BOX
- TELEPHONE MANHOLE
- TELEPHONE POST
- WATER LINE
- FIRE HYDRANT
- FIRE RISER
- WATER VALVE
- WATER AIR RELEASE VALVE
- WATER METER
- UTILITY POLE & ANCHOR
- POWER POLE
- STREET LIGHT
- LIGHT
- ASPHALT PAVING
- CURB & GUTTER
- SIDEWALK
- RAILROAD TRACKS
- GUARD RAIL
- SIGN
- STRUCTURE
- LANDSCAPING (TREES ETC.)
- SECTION CORNER
- MONUMENT
- BENCH MARK
- SURVEY CONTROL POINT



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NO.	REVISIONS	BY	DATE

DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
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 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644

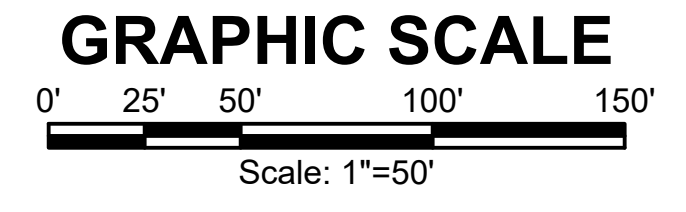
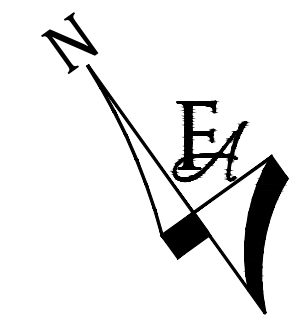
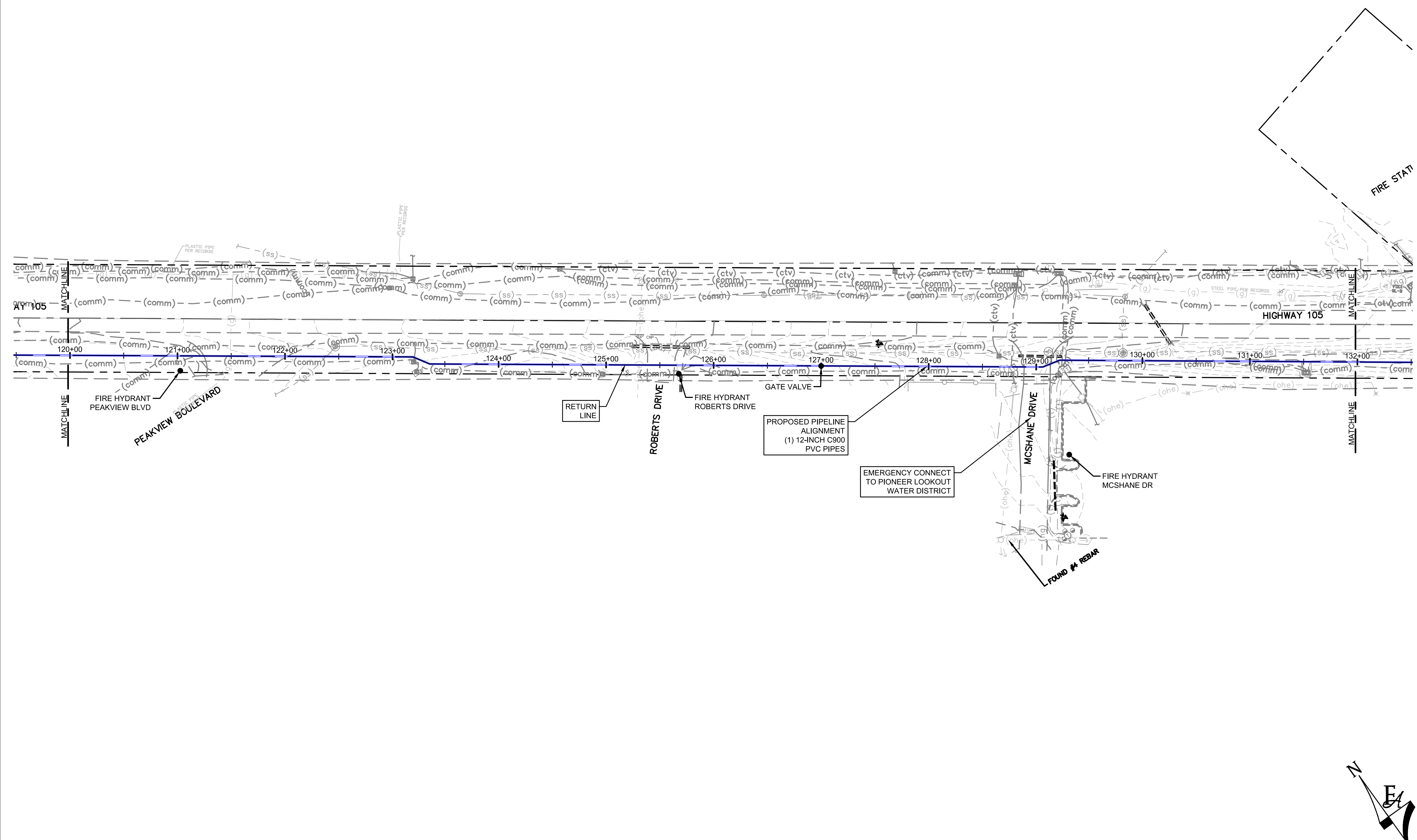
TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS
PIPELINE ALIGNMENTS
 STA 108+00 TO STA 120+00

PROJECT NO:	04-20-0153
SHEET NO:	13
DATE:	JAN, 2022
PAGE NO:	13 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LEGEND

- MATCH LINE
- CENTER LINE
- CONTROL LINE
- PROPERTY OR R/W LINE
- EASEMENT LINE
- STREET MONUMENT LINE
- WIRE FENCE
- CHAIN LINK FENCE
- BARBED WIRE FENCE
- CONTOUR LINE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- ELECTRIC BOX
- ELECTRIC MANHOLE
- ELECTRIC METER
- GAS LINE
- GAS VALVE
- GAS METER
- IRRIGATION LINE
- SANITARY SEWER LINE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- SECONDARY WATER LINE
- SECONDARY WATER VALVE
- SECONDARY WATER VAULT
- STORM DRAIN LINE
- STORM DRAIN CATCH BASIN
- STORM DRAIN INLET(S)
- STORM DRAIN COMBO BOX
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT BOX
- STORM DRAIN VAULT
- CULVERT
- TELEPHONE CABLE
- TELEPHONE BOX
- TELEPHONE MANHOLE
- TELEPHONE POST
- WATER LINE
- FIRE HYDRANT
- FIRE RISER
- WATER VALVE
- WATER AIR RELEASE VALVE
- WATER METER
- UTILITY POLE & ANCHOR
- POWER POLE
- STREET LIGHT
- LIGHT
- ASPHALT PAVING
- CURB & GUTTER
- SIDEWALK
- RAILROAD TRACKS
- GUARD RAIL
- SIGN
- STRUCTURE
- LANDSCAPING (TREES ETC.)
- SECTION CORNER
- MONUMENT
- BENCH MARK
- SURVEY CONTROL POINT



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NO.	REVISIONS	BY	DATE

DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

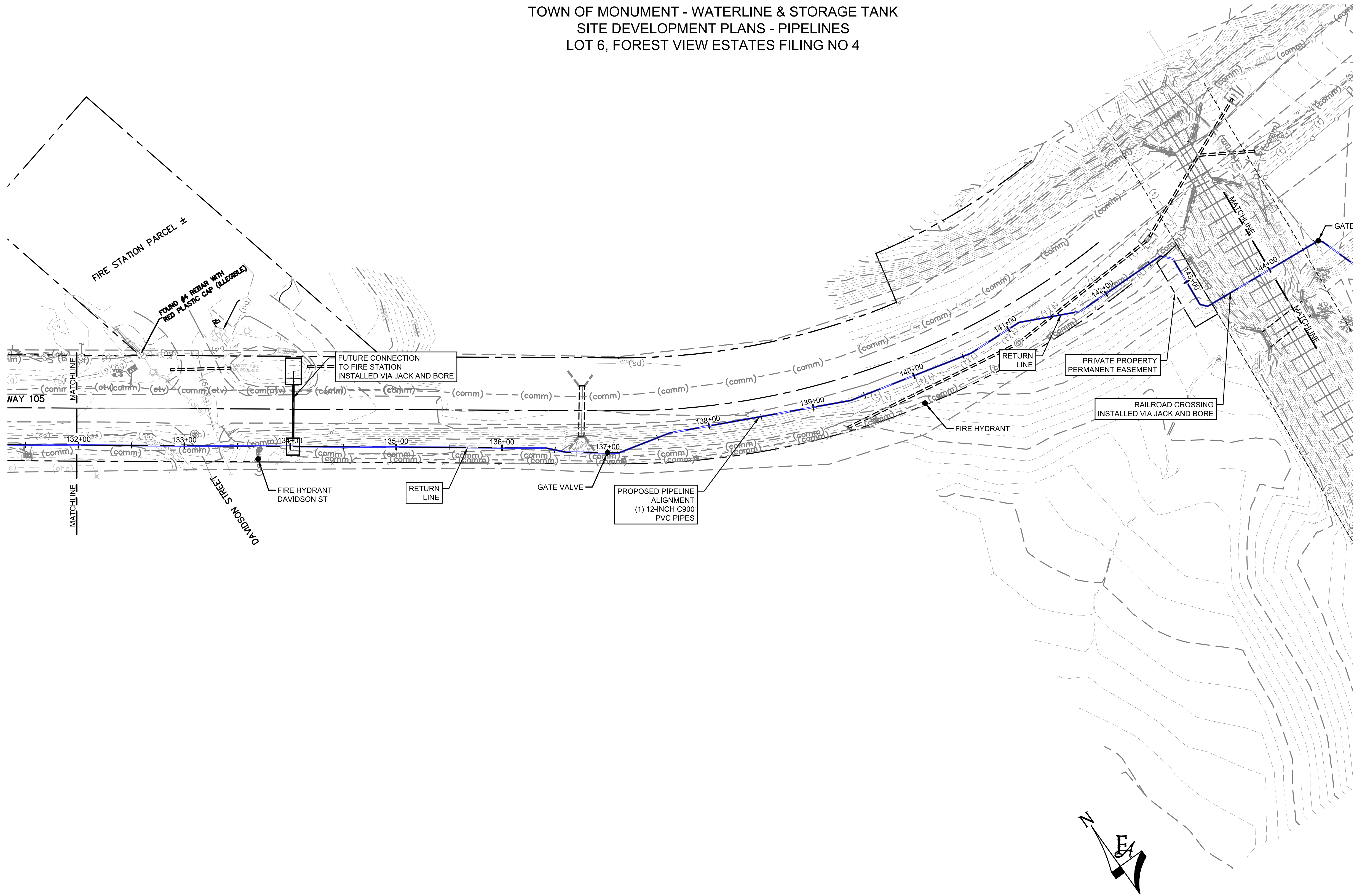


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TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS
PIPELINE ALIGNMENTS
 STA 120+00 TO STA 132+00

PROJECT NO:	04-20-0153
SHEET NO:	14
DATE:	JAN, 2022
PAGE NO:	14 OF 24

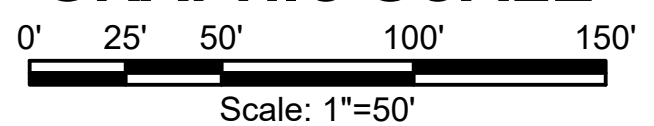
TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4



LEGEND

- MATCH LINE
- CENTER LINE
- CONTROL LINE
- PROPERTY OR R/W LINE
- EASEMENT LINE
- STREET MONUMENT LINE
- WIRE FENCE
- CHAIN LINK FENCE
- BARBED WIRE FENCE
- CONTOUR LINE -4250
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- ELECTRIC BOX
- ELECTRIC MANHOLE
- ELECTRIC METER
- GAS LINE
- GAS VALVE
- GAS METER
- IRRIGATION LINE
- SANITARY SEWER LINE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- SECONDARY WATER LINE
- SECONDARY WATER VALVE
- SECONDARY WATER VAULT
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- STORM DRAIN CATCH BASIN
- STORM DRAIN INLET(S)
- STORM DRAIN COMBO BOX
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT BOX
- STORM DRAIN VAULT
- CULVERT
- TELEPHONE CABLE
- TELEPHONE BOX
- TELEPHONE MANHOLE
- TELEPHONE POST
- WATER LINE
- FIRE HYDRANT
- FIRE RISER
- WATER VALVE
- WATER AIR RELEASE VALVE
- WATER METER
- UTILITY POLE & ANCHOR
- POWER POLE
- STREET LIGHT
- LIGHT
- ASPHALT PAVING
- CURB & GUTTER
- SIDEWALK
- RAILROAD TRACKS
- GUARD RAIL
- SIGN
- STRUCTURE
- LANDSCAPING (TREES ETC.)
- SECTION CORNER
- MONUMENT
- BENCH MARK
- SURVEY CONTROL POINT

GRAPHIC SCALE



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NO.	REVISIONS	BY	DATE

DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)



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Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
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TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS
PIPELINE ALIGNMENTS
 STA 132+00 TO STA 144+00

PROJECT NO:	04-20-0153
SHEET NO:	15
DATE:	JAN, 2022
PAGE NO:	15 OF 24

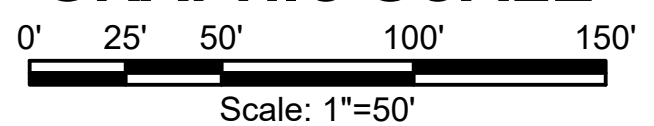
TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4



LEGEND

- MATCH LINE
- CENTER LINE
- CONTROL LINE
- PROPERTY OR R/W LINE
- EASEMENT LINE
- STREET MONUMENT LINE
- WIRE FENCE
- CHAIN LINK FENCE
- BARBED WIRE FENCE
- CONTOUR LINE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- ELECTRIC BOX
- ELECTRIC MANHOLE
- ELECTRIC METER
- GAS LINE
- GAS VALVE
- GAS METER
- IRRIGATION LINE
- SANITARY SEWER LINE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- SECONDARY WATER LINE
- SECONDARY WATER VALVE
- SECONDARY WATER VAULT
- STORM DRAIN LINE
- STORM DRAIN CATCH BASIN
- STORM DRAIN INLET(S)
- STORM DRAIN COMBO BOX
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT BOX
- STORM DRAIN VAULT
- CULVERT
- TELEPHONE CABLE
- TELEPHONE BOX
- TELEPHONE MANHOLE
- TELEPHONE POST
- WATER LINE
- FIRE HYDRANT
- FIRE RISER
- WATER VALVE
- WATER AIR RELEASE VALVE
- WATER METER
- UTILITY POLE & ANCHOR
- POWER POLE
- STREET LIGHT
- LIGHT
- ASPHALT PAVING
- CURB & GUTTER
- SIDEWALK
- RAILROAD TRACKS
- GUARD RAIL
- SIGN
- STRUCTURE
- LANDSCAPING (TREES ETC.)
- SECTION CORNER
- MONUMENT
- BENCH MARK
- SURVEY CONTROL POINT

GRAPHIC SCALE



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NO.	REVISIONS	BY	DATE

DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

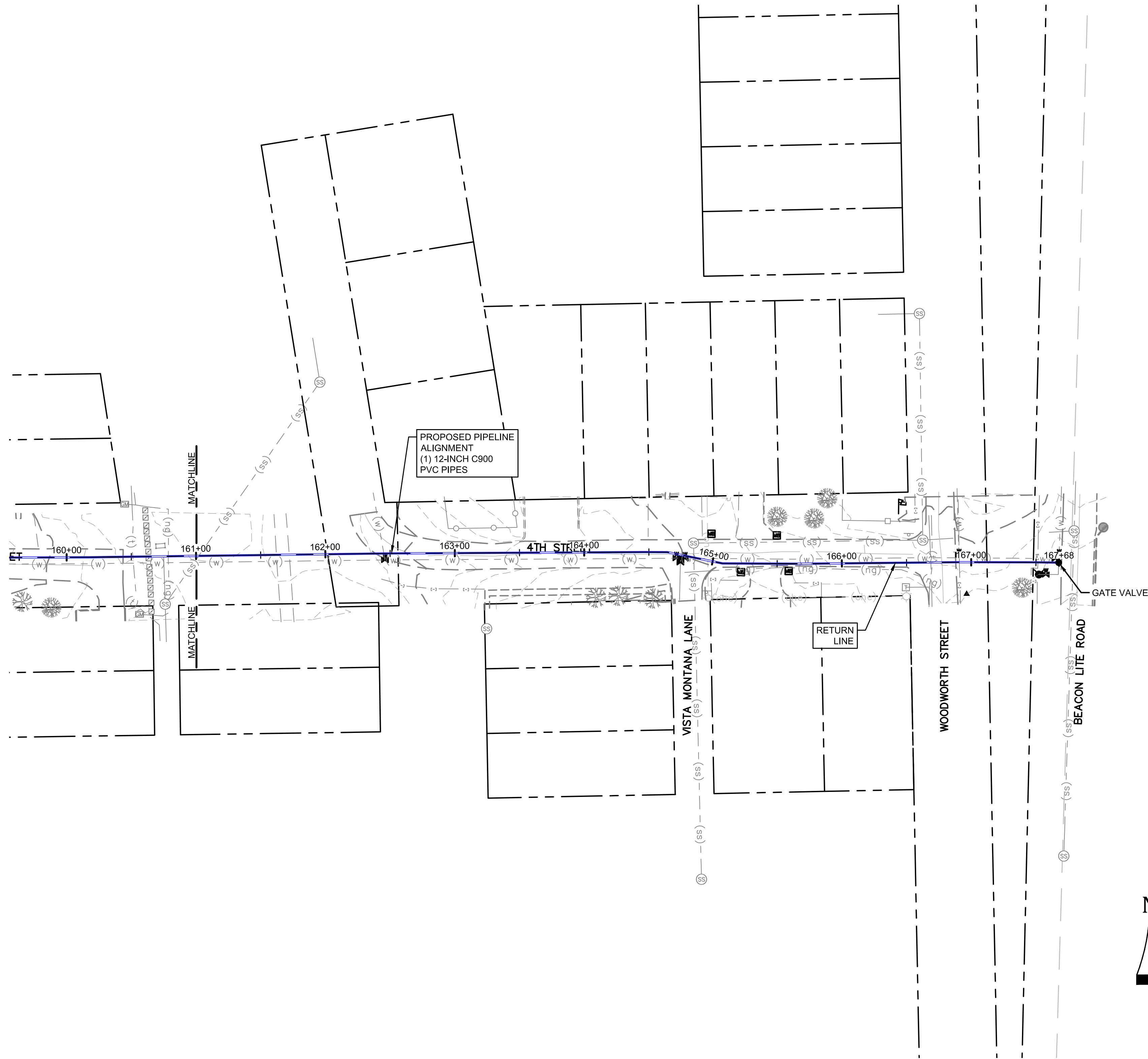


FORSGREN
Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644

TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS
PIPELINE ALIGNMENTS
 STA 144+00 TO STA 161+00

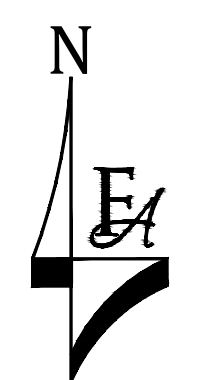
PROJECT NO:	04-20-0153
SHEET NO:	16
DATE:	JAN, 2022
PAGE NO:	16 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

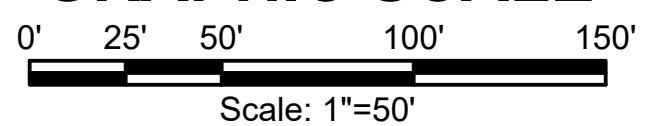


LEGEND

MATCH LINE	---
CENTER LINE	====
CONTROL LINE	=====
PROPERTY OR R/W LINE	-----
EASEMENT LINE	-----
STREET MONUMENT LINE	-----
WIRE FENCE	---o---
CHAIN LINK FENCE	-----
BARBED WIRE FENCE	-----X-----
CONTOUR LINE	-----4250
UNDERGROUND ELECTRIC	---(uge)---
OVERHEAD ELECTRIC	---(ohe)---
ELECTRIC BOX	[E]
ELECTRIC MANHOLE	[E]
ELECTRIC METER	[M]
GAS LINE	---(g)---
GAS VALVE	[V]
GAS METER	[M]
IRRIGATION LINE	---IRR---
SANITARY SEWER LINE	---SS---
SANITARY SEWER CLEANOUT	[C]
SANITARY SEWER MANHOLE	[S]
SECONDARY WATER LINE	---SW---
SECONDARY WATER VALVE	[V]
SECONDARY WATER VAULT	[W]
STORM DRAIN LINE	---SD---
STORM DRAIN CATCH BASIN	[CB]
STORM DRAIN INLET(S)	[I]
STORM DRAIN COMBO BOX	[C]
STORM DRAIN MANHOLE	[D]
STORM DRAIN CLEANOUT BOX	[C]
STORM DRAIN VAULT	[V]
CULVERT	[C]
TELEPHONE CABLE	---COMM---
TELEPHONE BOX	[T]
TELEPHONE MANHOLE	[T]
TELEPHONE POST	[P]
WATER LINE	---PW---
FIRE HYDRANT	[H]
FIRE RISER	[R]
WATER VALVE	[V]
WATER AIR RELEASE VALVE	[A]
WATER METER	[M]
UTILITY POLE & ANCHOR	[U] OHE →
POWER POLE	[P]
STREET LIGHT	[L]
LIGHT	[L]
ASPHALT PAVING	=====
CURB & GUTTER	=====
SIDEWALK	=====
RAILROAD TRACKS	=====
GUARD RAIL	=====
SIGN	[S]
STRUCTURE	[S]
LANDSCAPING (TREES ETC.)	[T]
SECTION CORNER	[12 11 4 3]
MONUMENT	[M]
BENCH MARK	[B]
SURVEY CONTROL POINT	[CP800]



GRAPHIC SCALE



P:\Clients\Monument\04-20-0153 Waterline & Storage Tank\CAD\Sheets\Civil\COUNTY SUBMITTALS\ENGINEERING DRAWINGS\PIPELINE\OVERALL PLAN VIEW.dwg - 1/7/2022 4:55 PM

NO.	REVISIONS	BY	DATE

DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)



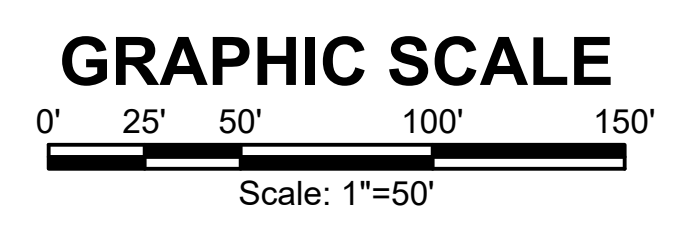
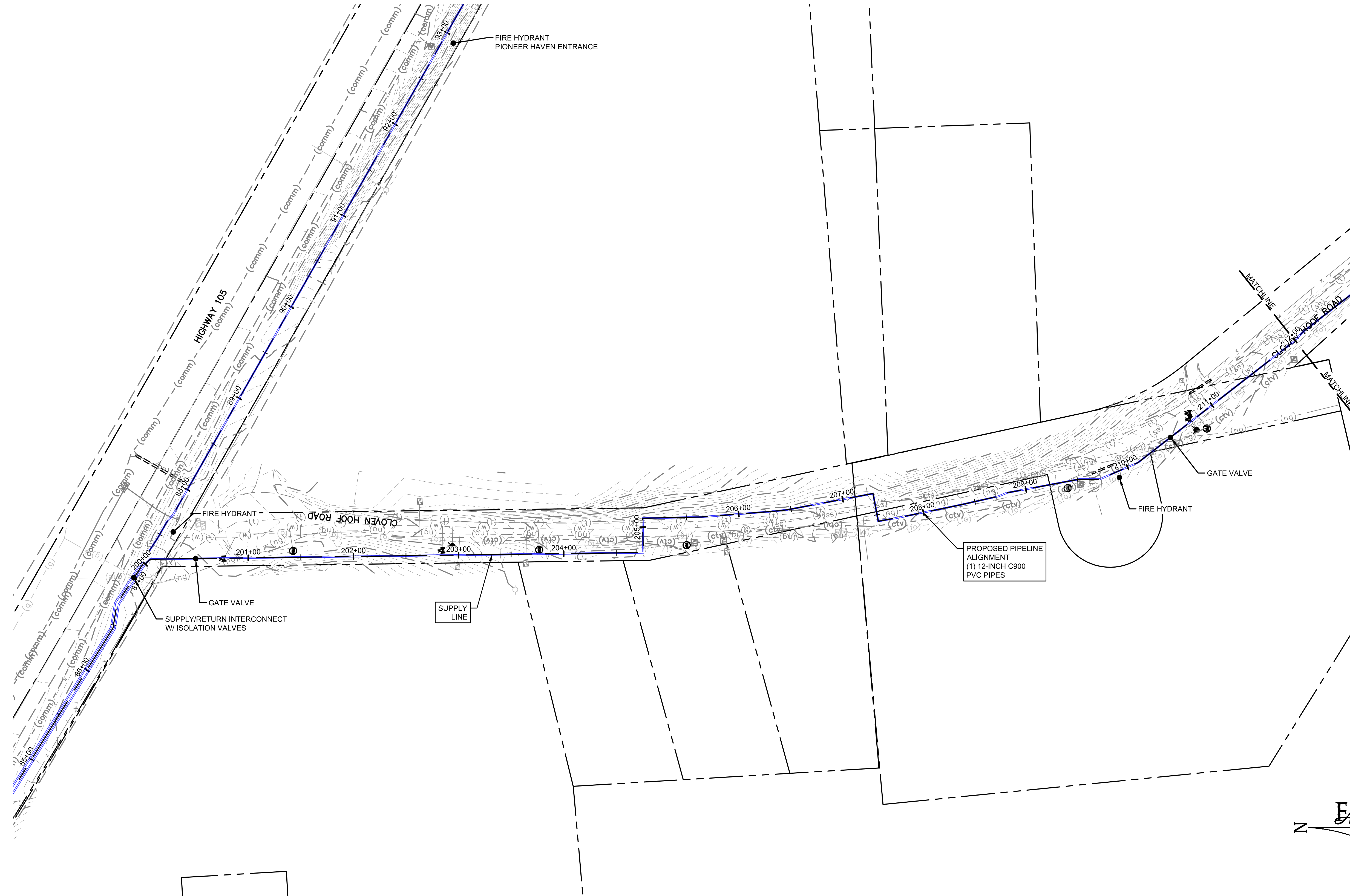
FORSGREN
Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644

TOWN OF MONUMENT WATERLINE & TANK CONSTRUCTION PLANS PIPELINE ALIGNMENTS STA 161+00 TO STA 167+68	PROJECT NO: 04-20-0153
	SHEET NO: 17
DATE: JAN, 2022	PAGE NO: 17 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LEGEND

MATCH LINE	---
CENTER LINE	---
CONTROL LINE	---
PROPERTY OR R/W LINE	---
EASEMENT LINE	---
STREET MONUMENT LINE	---
WIRE FENCE	---
CHAIN LINK FENCE	---
BARBED WIRE FENCE	---
CONTOUR LINE	---
UNDERGROUND ELECTRIC	---
OVERHEAD ELECTRIC	---
ELECTRIC BOX	---
ELECTRIC MANHOLE	---
ELECTRIC METER	---
GAS LINE	---
GAS VALVE	---
GAS METER	---
IRRIGATION LINE	---
SANITARY SEWER LINE	---
SANITARY SEWER CLEANOUT	---
SANITARY SEWER MANHOLE	---
SECONDARY WATER LINE	---
SECONDARY WATER VALVE	---
SECONDARY WATER VAULT	---
STORM DRAIN LINE	---
STORM DRAIN CATCH BASIN	---
STORM DRAIN INLET(S)	---
STORM DRAIN COMBO BOX	---
STORM DRAIN MANHOLE	---
STORM DRAIN CLEANOUT BOX	---
STORM DRAIN VAULT	---
CULVERT	---
TELEPHONE CABLE	---
TELEPHONE BOX	---
TELEPHONE MANHOLE	---
TELEPHONE POST	---
WATER LINE	---
FIRE HYDRANT	---
FIRE RISER	---
WATER VALVE	---
WATER AIR RELEASE VALVE	---
WATER METER	---
UTILITY POLE & ANCHOR	---
POWER POLE	---
STREET LIGHT	---
LIGHT	---
ASPHALT PAVING	---
CURB & GUTTER	---
SIDEWALK	---
RAILROAD TRACKS	---
GUARD RAIL	---
SIGN	---
STRUCTURE	---
LANDSCAPING (TREES ETC.)	---
SECTION CORNER	---
MONUMENT	---
BENCH MARK	---
SURVEY CONTROL POINT	---



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NO.	REVISIONS	BY	DATE

DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)



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Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644

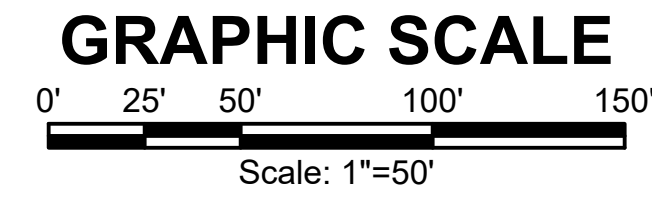
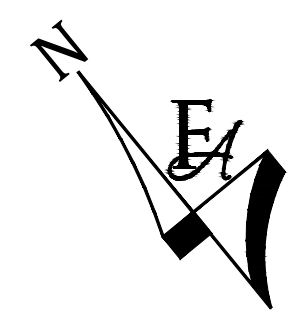
TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS PIPELINE
ALIGNMENTS
 STA 200+00 TO STA 212+00

PROJECT NO:	04-20-0153
SHEET NO:	18
DATE:	JAN, 2022
PAGE NO:	18 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LEGEND

MATCH LINE	---
CENTER LINE	---
CONTROL LINE	---
PROPERTY OR R/W LINE	---
EASEMENT LINE	---
STREET MONUMENT LINE	---
WIRE FENCE	---
CHAIN LINK FENCE	---
BARBED WIRE FENCE	---
CONTOUR LINE	---
UNDERGROUND ELECTRIC	---
OVERHEAD ELECTRIC	---
ELECTRIC BOX	---
ELECTRIC MANHOLE	---
ELECTRIC METER	---
GAS LINE	---
GAS VALVE	---
GAS METER	---
IRRIGATION LINE	---
SANITARY SEWER LINE	---
SANITARY SEWER CLEANOUT	---
SANITARY SEWER MANHOLE	---
SECONDARY WATER LINE	---
SECONDARY WATER VALVE	---
SECONDARY WATER VAULT	---
STORM DRAIN LINE	---
STORM DRAIN CATCH BASIN	---
STORM DRAIN INLET(S)	---
STORM DRAIN COMBO BOX	---
STORM DRAIN MANHOLE	---
STORM DRAIN CLEANOUT BOX	---
STORM DRAIN VAULT	---
CULVERT	---
TELEPHONE CABLE	---
TELEPHONE BOX	---
TELEPHONE MANHOLE	---
TELEPHONE POST	---
WATER LINE	---
FIRE HYDRANT	---
FIRE RISER	---
WATER VALVE	---
WATER AIR RELEASE VALVE	---
WATER METER	---
UTILITY POLE & ANCHOR	---
POWER POLE	---
STREET LIGHT	---
LIGHT	---
ASPHALT PAVING	---
CURB & GUTTER	---
SIDEWALK	---
RAILROAD TRACKS	---
GUARD RAIL	---
SIGN	---
STRUCTURE	---
LANDSCAPING (TREES ETC.)	---
SECTION CORNER	---
MONUMENT	---
BENCH MARK	---
SURVEY CONTROL POINT	---



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NO.	REVISIONS	BY	DATE

DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)



FORSGREN
Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644

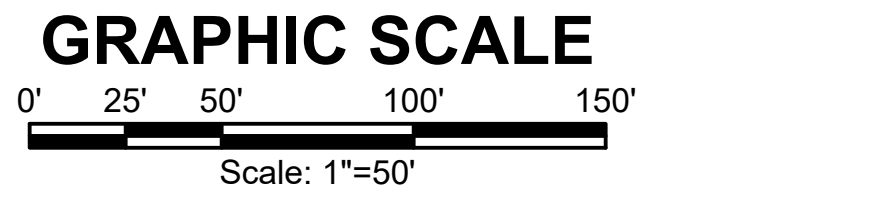
TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS PIPELINE
ALIGNMENTS
 STA 212+00 TO STA 224+00

PROJECT NO:	04-20-0153
SHEET NO:	19
DATE:	JAN, 2022
PAGE NO:	19 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LEGEND

MATCH LINE	---
CENTER LINE	---
CONTROL LINE	---
PROPERTY OR R/W LINE	---
EASEMENT LINE	---
STREET MONUMENT LINE	---
WIRE FENCE	---
CHAIN LINK FENCE	---
BARBED WIRE FENCE	---
CONTOUR LINE	---
UNDERGROUND ELECTRIC	---
OVERHEAD ELECTRIC	---
ELECTRIC BOX	---
ELECTRIC MANHOLE	---
ELECTRIC METER	---
GAS LINE	---
GAS VALVE	---
GAS METER	---
IRRIGATION LINE	---
SANITARY SEWER LINE	---
SANITARY SEWER CLEANOUT	---
SANITARY SEWER MANHOLE	---
SECONDARY WATER LINE	---
SECONDARY WATER VALVE	---
SECONDARY WATER VAULT	---
STORM DRAIN LINE	---
STORM DRAIN CATCH BASIN	---
STORM DRAIN INLET(S)	---
STORM DRAIN COMBO BOX	---
STORM DRAIN MANHOLE	---
STORM DRAIN CLEANOUT BOX	---
STORM DRAIN VAULT	---
CULVERT	---
TELEPHONE CABLE	---
TELEPHONE BOX	---
TELEPHONE MANHOLE	---
TELEPHONE POST	---
WATER LINE	---
FIRE HYDRANT	---
FIRE RISER	---
WATER VALVE	---
WATER AIR RELEASE VALVE	---
WATER METER	---
UTILITY POLE & ANCHOR	---
POWER POLE	---
STREET LIGHT	---
LIGHT	---
ASPHALT PAVING	---
CURB & GUTTER	---
SIDEWALK	---
RAILROAD TRACKS	---
GUARD RAIL	---
SIGN	---
STRUCTURE	---
LANDSCAPING (TREES ETC.)	---
SECTION CORNER	---
MONUMENT	---
BENCH MARK	---
SURVEY CONTROL POINT	---



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NO.	REVISIONS	BY	DATE

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER

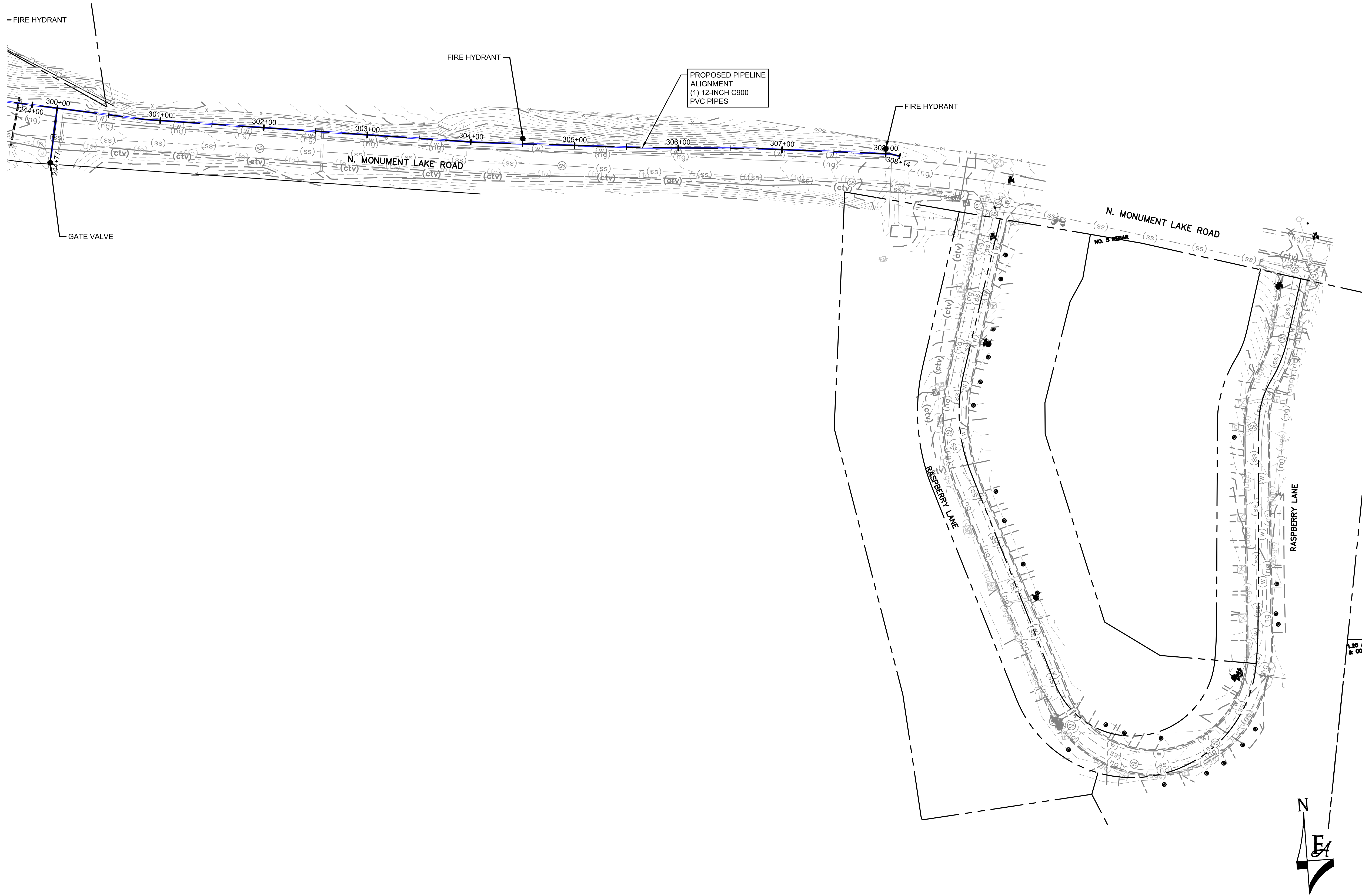


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Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644

TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS PIPELINE
ALIGNMENTS
 STA 236+00 TO STA 245+00

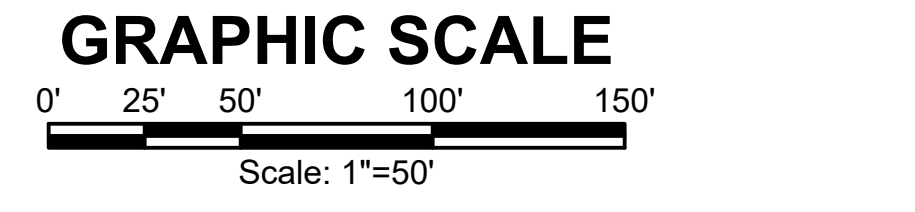
PROJECT NO:	04-20-0153
SHEET NO:	21
DATE:	JAN, 2022
PAGE NO:	21 OF 24

TOWN OF MONUMENT - WATERLINE & STORAGE TANK
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4



LEGEND

- MATCH LINE
- CENTER LINE
- CONTROL LINE
- PROPERTY OR R/W LINE
- EASEMENT LINE
- STREET MONUMENT LINE
- WIRE FENCE
- CHAIN LINK FENCE
- BARBED WIRE FENCE
- CONTOUR LINE -4250
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- ELECTRIC BOX
- ELECTRIC MANHOLE
- ELECTRIC METER
- GAS LINE
- GAS VALVE
- GAS METER
- IRRIGATION LINE
- SANITARY SEWER LINE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- SECONDARY WATER LINE
- SECONDARY WATER VALVE
- SECONDARY WATER VAULT
- STORM DRAIN LINE
- STORM DRAIN CATCH BASIN
- STORM DRAIN INLET(S)
- STORM DRAIN COMBO BOX
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT BOX
- STORM DRAIN VAULT
- CULVERT
- TELEPHONE CABLE
- TELEPHONE BOX
- TELEPHONE MANHOLE
- TELEPHONE POST
- WATER LINE
- FIRE HYDRANT
- FIRE RISER
- WATER VALVE
- WATER AIR RELEASE VALVE
- WATER METER
- UTILITY POLE & ANCHOR OHE →
- POWER POLE
- STREET LIGHT
- LIGHT
- ASPHALT PAVING
- CURB & GUTTER
- SIDEWALK
- RAILROAD TRACKS
- GUARD RAIL
- SIGN
- STRUCTURE
- LANDSCAPING (TREES ETC.)
- SECTION CORNER 12 11
4 3
- MONUMENT
- BENCH MARK
- SURVEY CONTROL POINT CP800



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NO.	REVISIONS	BY	DATE

DRAWN	S. CALE
DESIGNED	J. ADAMS
APPROVED	J. ADAMS
QA	W. KOGER

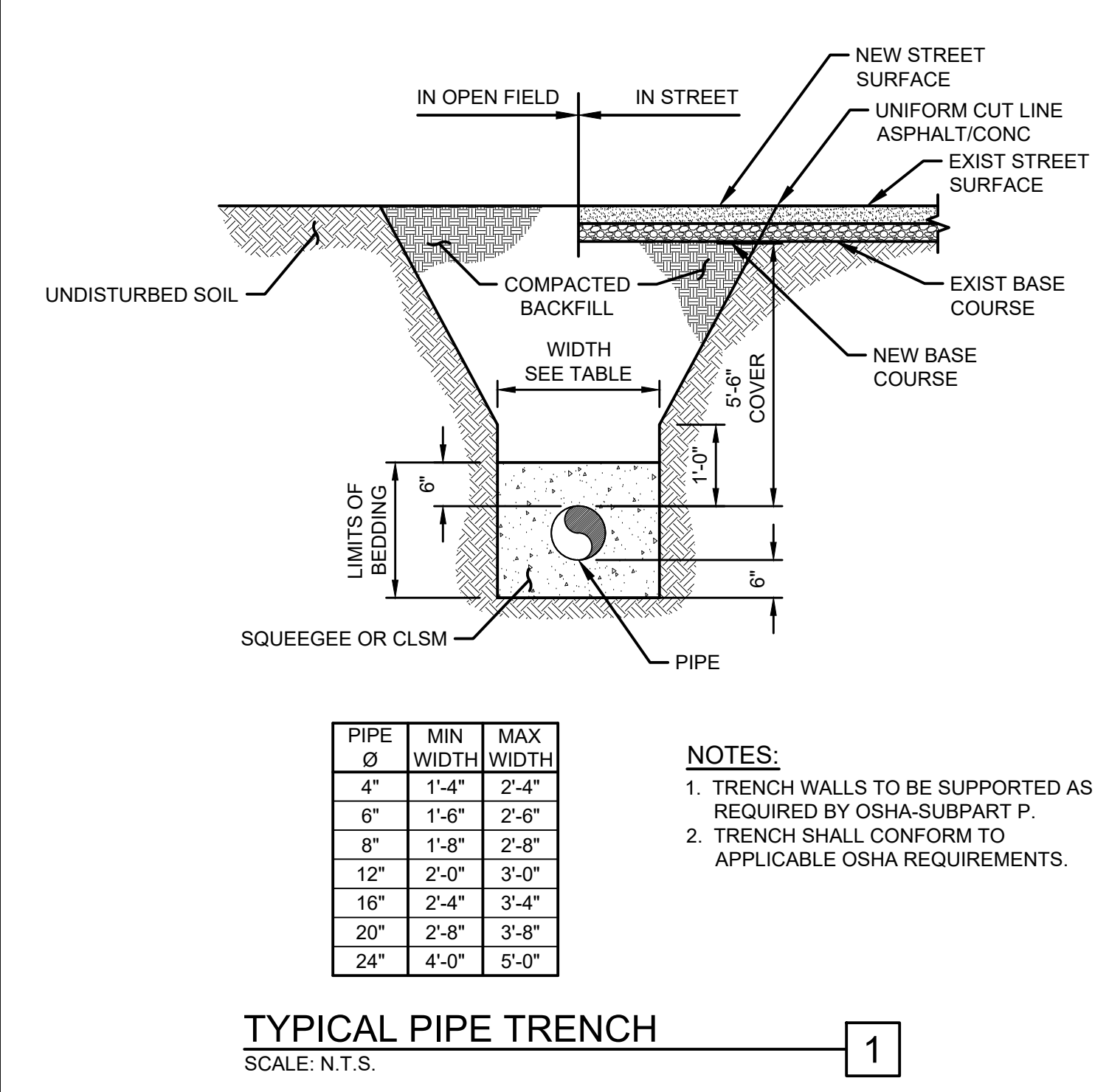
ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)



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Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644

TOWN OF MONUMENT WATERLINE & TANK
CONSTRUCTION PLANS PIPELINE
ALIGNMENTS
 STA 300+00 TO STA 308+14

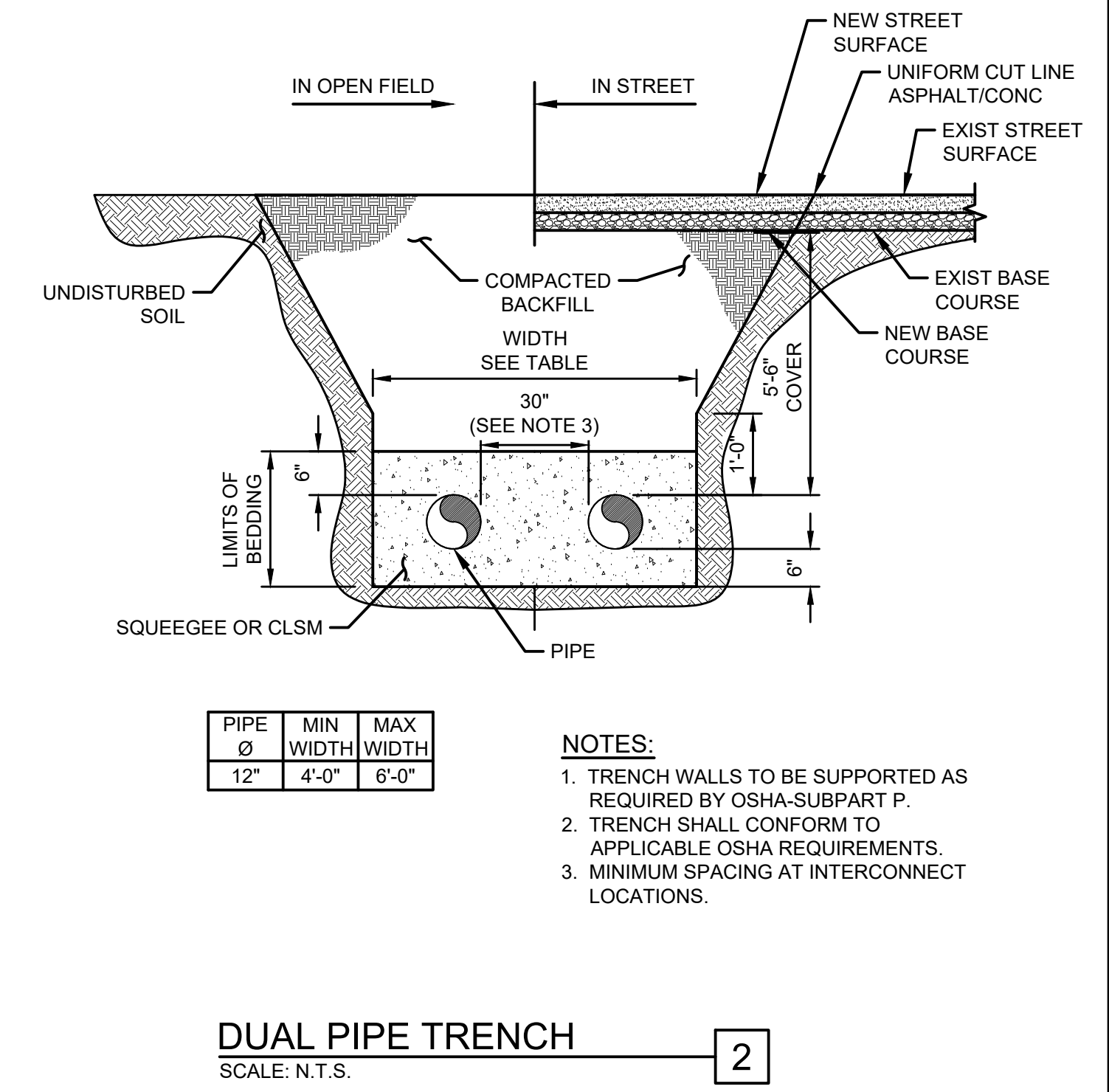
PROJECT NO:	04-20-0153
SHEET NO:	22
DATE:	JAN, 2022
PAGE NO:	22 OF 24



PIPE Ø	MIN WIDTH	MAX WIDTH
4"	1'-4"	2'-4"
6"	1'-6"	2'-6"
8"	1'-8"	2'-8"
12"	2'-0"	3'-0"
16"	2'-4"	3'-4"
20"	2'-8"	3'-8"
24"	4'-0"	5'-0"

NOTES:
 1. TRENCH WALLS TO BE SUPPORTED AS REQUIRED BY OSHA-SUBPART P.
 2. TRENCH SHALL CONFORM TO APPLICABLE OSHA REQUIREMENTS.

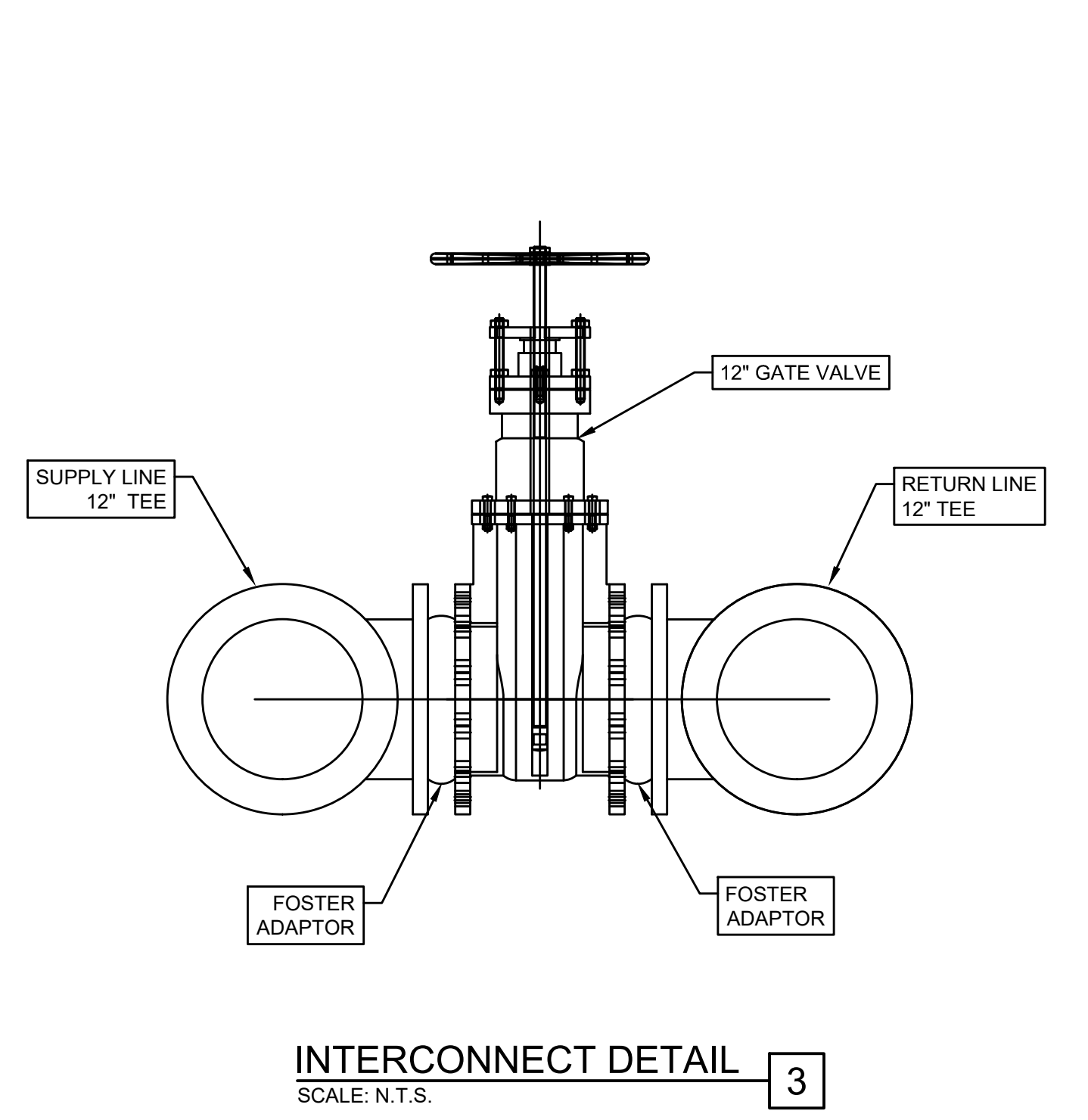
TYPICAL PIPE TRENCH
 SCALE: N.T.S. 1



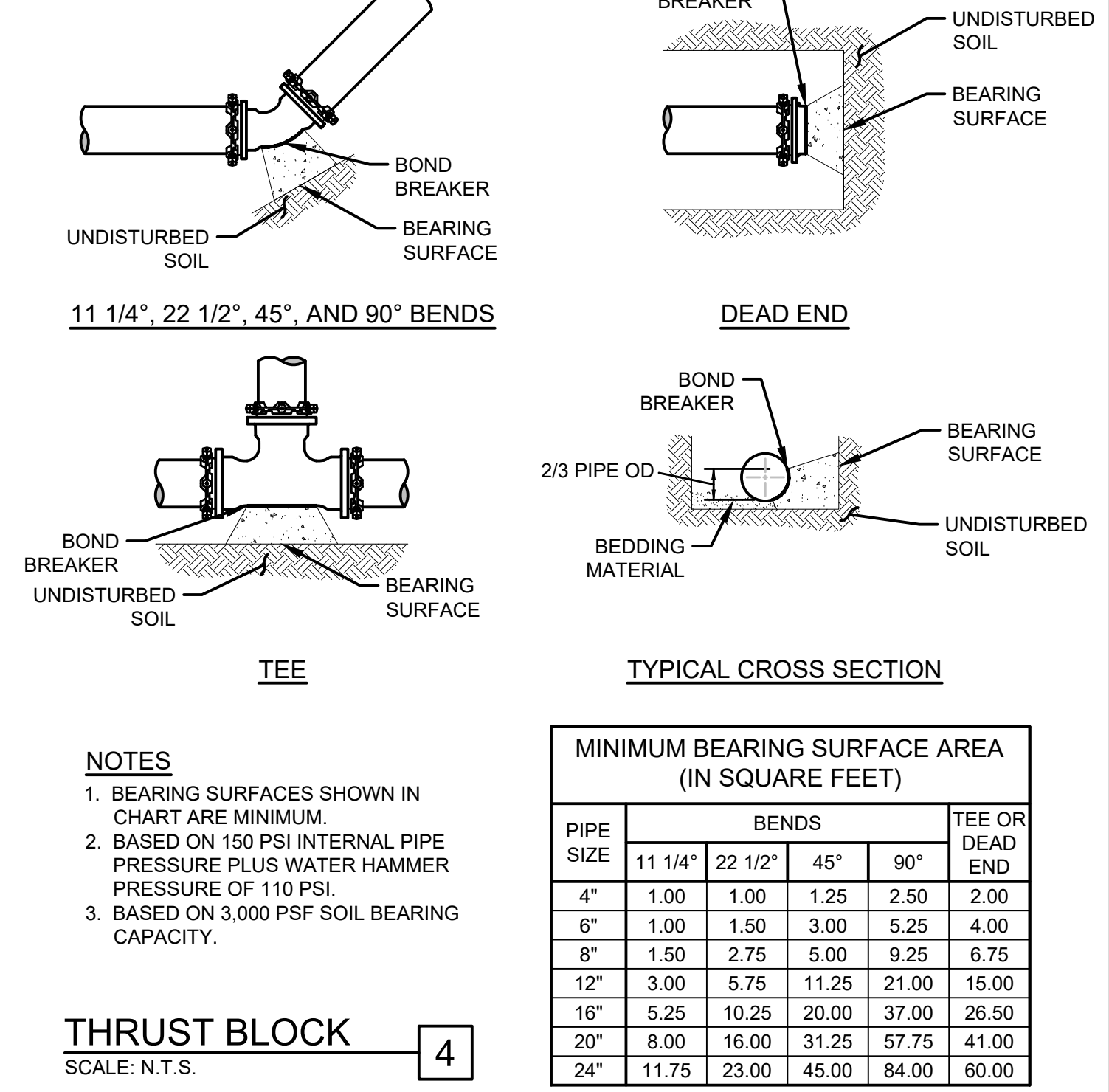
PIPE Ø	MIN WIDTH	MAX WIDTH
12"	4'-0"	6'-0"

NOTES:
 1. TRENCH WALLS TO BE SUPPORTED AS REQUIRED BY OSHA-SUBPART P.
 2. TRENCH SHALL CONFORM TO APPLICABLE OSHA REQUIREMENTS.
 3. MINIMUM SPACING AT INTERCONNECT LOCATIONS.

DUAL PIPE TRENCH
 SCALE: N.T.S. 2



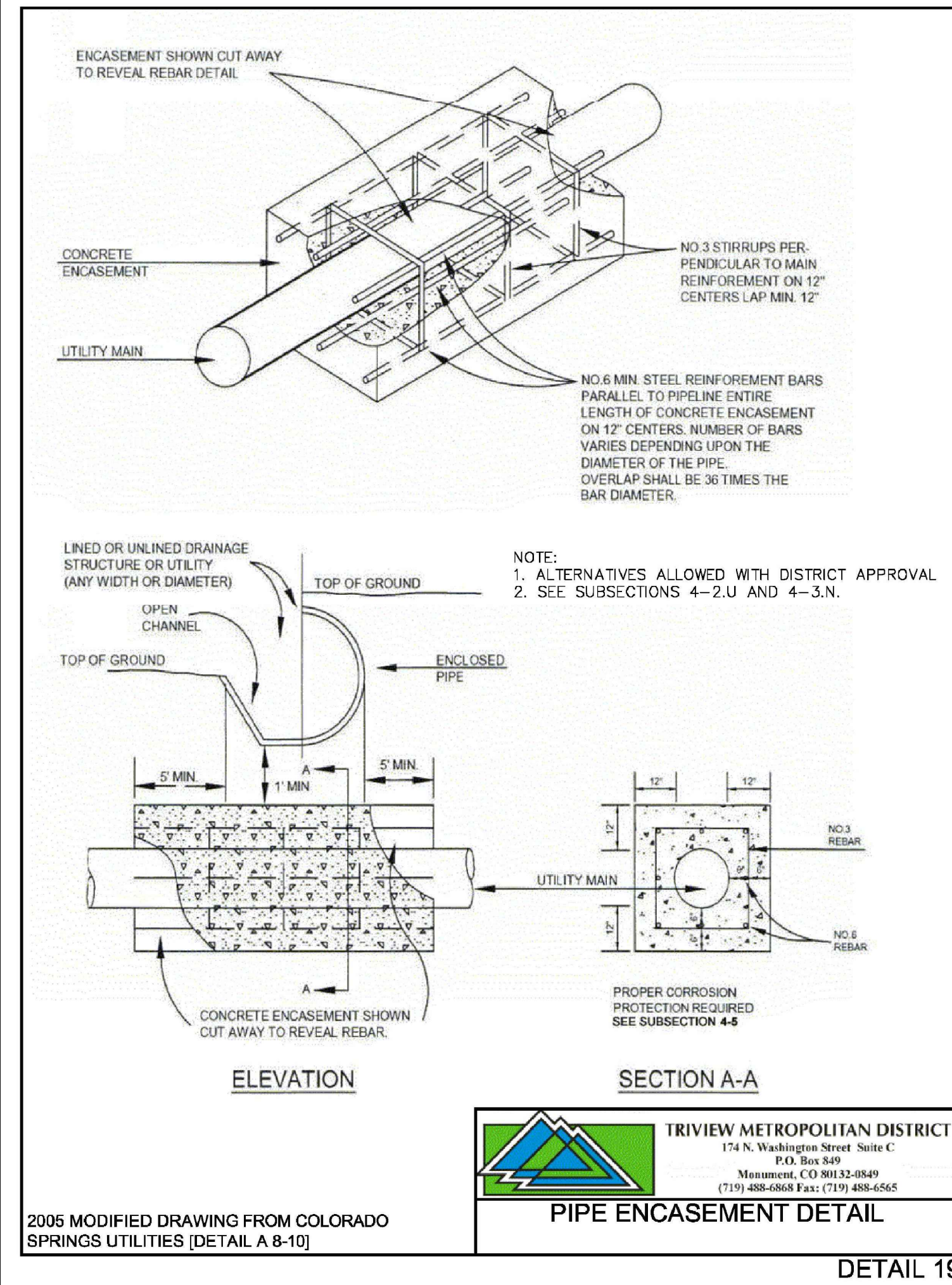
INTERCONNECT DETAIL
 SCALE: N.T.S. 3



NOTES:
 1. BEARING SURFACES SHOWN IN CHART ARE MINIMUM.
 2. BASED ON 150 PSI INTERNAL PIPE PRESSURE PLUS WATER HAMMER PRESSURE OF 110 PSI.
 3. BASED ON 3,000 PSF SOIL BEARING CAPACITY.

PIPE SIZE	BENDS				TEE OR DEAD END
	11 1/4°	22 1/2°	45°	90°	
4"	1.00	1.00	1.25	2.50	2.00
6"	1.00	1.50	3.00	5.25	4.00
8"	1.50	2.75	5.00	9.25	6.75
12"	3.00	5.75	11.25	21.00	15.00
16"	5.25	10.25	20.00	37.00	26.50
20"	8.00	16.00	31.25	57.75	41.00
24"	11.75	23.00	45.00	84.00	60.00

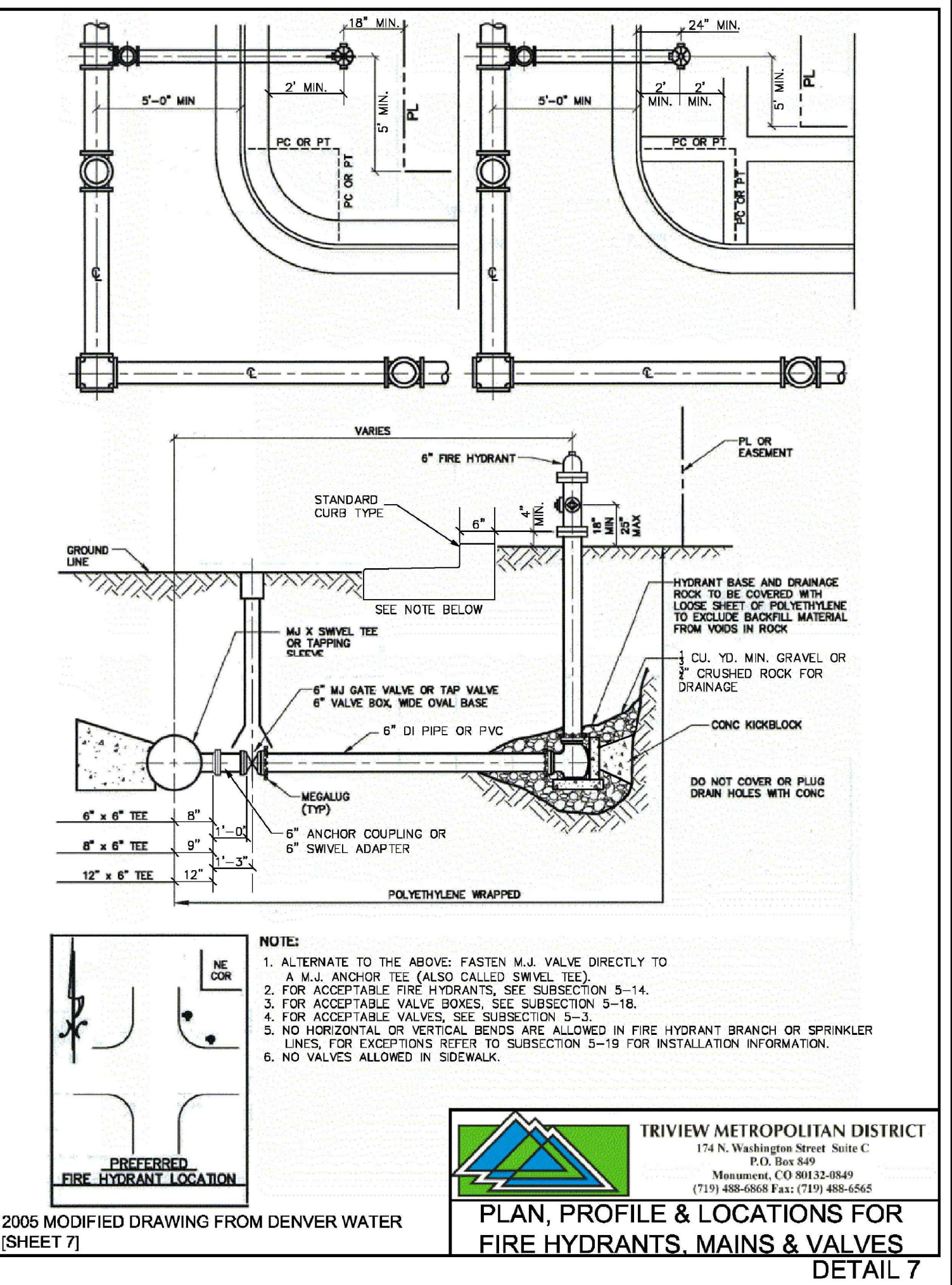
THRUST BLOCK
 SCALE: N.T.S. 4



NOTE:
 1. ALTERNATIVES ALLOWED WITH DISTRICT APPROVAL
 2. SEE SUBSECTIONS 4-2.U AND 4-3.N.

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

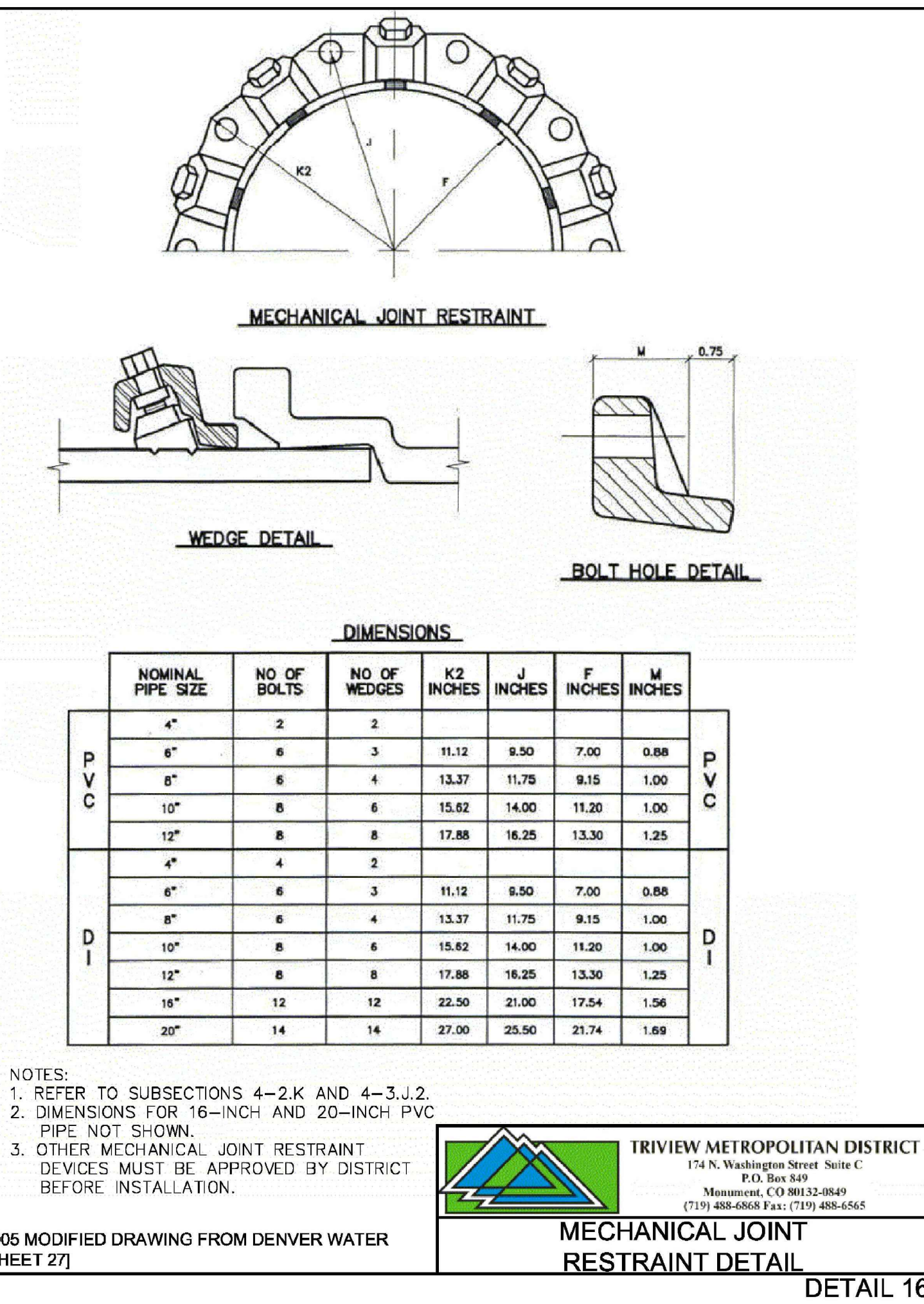
2005 MODIFIED DRAWING FROM COLORADO SPRINGS UTILITIES (DETAIL A 8-10)
PIPE ENCASEMENT DETAIL
 DETAIL 19



NOTE:
 1. ALTERNATE TO THE ABOVE: FASTEN M.J. VALVE DIRECTLY TO A M.J. ANCHOR TEE (ALSO CALLED SWIVEL TEE).
 2. FOR ACCEPTABLE FIRE HYDRANTS, SEE SUBSECTION 5-14.
 3. FOR ACCEPTABLE VALVE BOXES, SEE SUBSECTION 5-18.
 4. FOR ACCEPTABLE VALVES, SEE SUBSECTION 5-3.
 5. NO HORIZONTAL OR VERTICAL BENDS ARE ALLOWED IN FIRE HYDRANT BRANCH OR SPRINKLER LINES. FOR EXCEPTIONS REFER TO SUBSECTION 5-19 FOR INSTALLATION INFORMATION.
 6. NO VALVES ALLOWED IN SIDEWALK.

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

2005 MODIFIED DRAWING FROM DENVER WATER (SHEET 7)
PLAN, PROFILE & LOCATIONS FOR FIRE HYDRANTS, MAINS & VALVES
 DETAIL 7

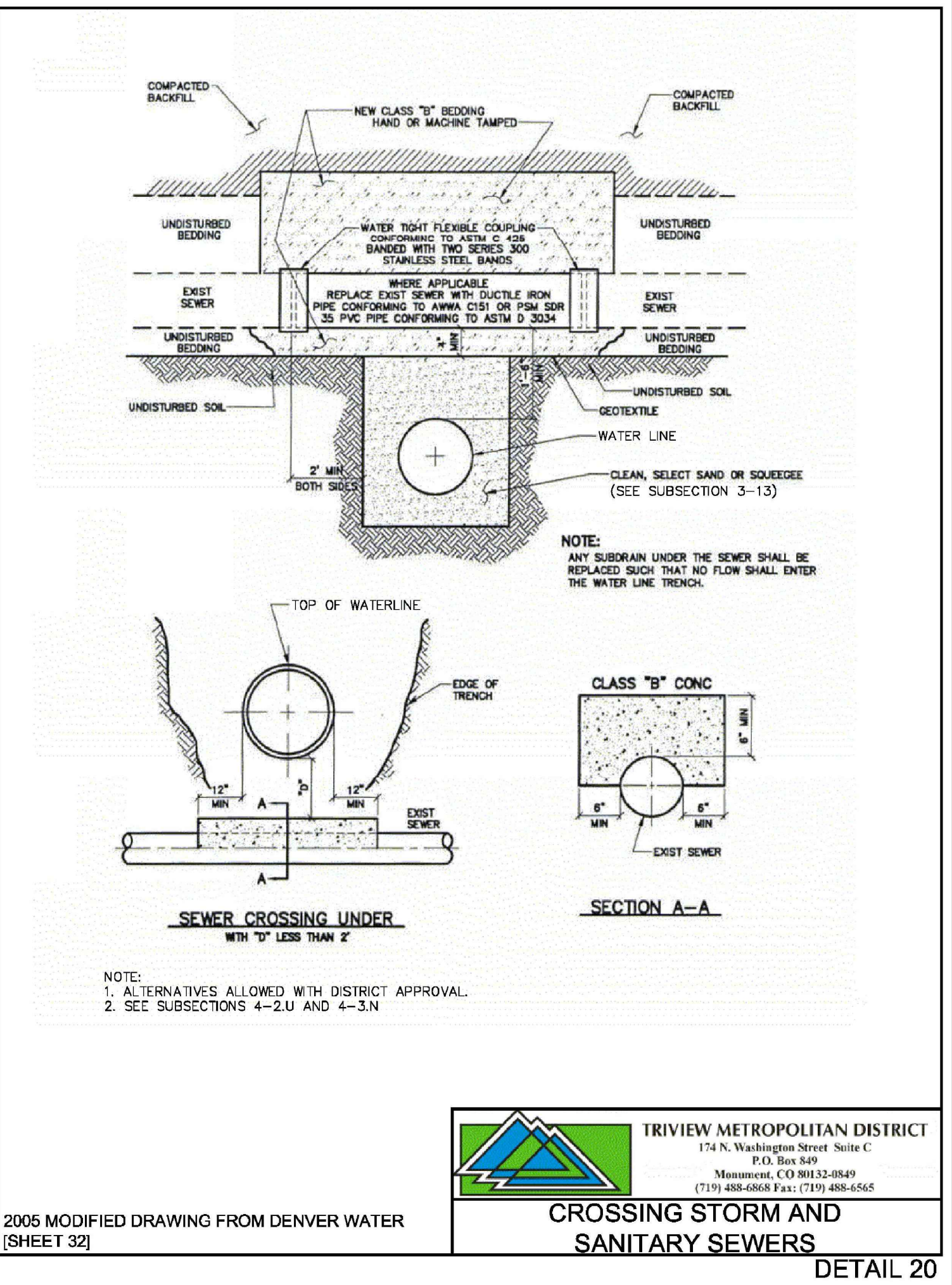


NOMINAL PIPE SIZE	NO OF BOLTS	NO OF WEDGES	DIMENSIONS				PVC
			K2 INCHES	J INCHES	F INCHES	M INCHES	
4"	2	2					
6"	4	3	11.12	9.50	7.00	0.88	
8"	6	4	13.37	11.75	9.15	1.00	
10"	8	6	15.62	14.00	11.20	1.00	
12"	8	8	17.88	16.25	13.30	1.25	
4"	4	2					
6"	6	3	11.12	9.50	7.00	0.88	
8"	6	4	13.37	11.75	9.15	1.00	
10"	8	6	15.62	14.00	11.20	1.00	
12"	8	8	17.88	16.25	13.30	1.25	
16"	12	12	22.50	21.00	17.54	1.56	
20"	14	14	27.00	25.50	21.74	1.89	

NOTE:
 1. REFER TO SUBSECTIONS 4-2.K AND 4-3.J.2.
 2. DIMENSIONS FOR 16-INCH AND 20-INCH PVC PIPE NOT SHOWN.
 3. OTHER MECHANICAL JOINT RESTRAINT DEVICES MUST BE APPROVED BY DISTRICT BEFORE INSTALLATION.

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

2005 MODIFIED DRAWING FROM DENVER WATER (SHEET 27)
MECHANICAL JOINT RESTRAINT DETAIL
 DETAIL 16



NOTE:
 1. ALTERNATIVES ALLOWED WITH DISTRICT APPROVAL.
 2. SEE SUBSECTIONS 4-2.U AND 4-3.N.

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

2005 MODIFIED DRAWING FROM DENVER WATER (SHEET 32)
CROSSING STORM AND SANITARY SEWERS
 DETAIL 20

NO.	REVISIONS	BY	DATE	APPROVED	APPROVED BY

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

QA _____ QA BY _____



FORSYGREN Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644

MONUMENT WATERLINE & STORAGE TANK

DETAILS - 1

PROJECT NO: **04-20-0153**
 SHEET NO: **23**
 DATE: JAN, 2022 PAGE NO: 23 OF 24

P:\Clients\Monument\04-20-0153 Waterline & Storage Tank\CAD\Sheets\Standard Details\COUNTY SUBMITTALS\CONSTRUCTION\01 - DETAILS - 1.dwg - 1/17/2022 4:35 PM

Site Development Plan _V2 combined redlines.pdf Markup Summary 1-27-2022

dspdparsons (24)

90% SUBMITTA

Subject: Callout
Page Label: 1
Author: dsdparsons
Date: 1/18/2022 3:03:17 PM
Status:
Color: ■
Layer:
Space:

delete this... this a submittal for approval ..Add the file number to the plans in lower corner; PCD file PPR 21 30

ANK

Subject: Callout
Page Label: 1
Author: dsdparsons
Date: 1/25/2022 10:42:34 AM
Status:
Color: ■
Layer:
Space:

County Wide Traffic Fee Program- BOCC RES 19-471 will apply to this project at the time of building permit. Please contact Victoria Chavez for the fee required to be paid at building permit for the tank site.

Model Sheet

1/25/2022 10:39:47 AM

Author: dsdparsons

Date: 1/25/2022 10:39:47 AM

Status:

Color: ■

Layer:

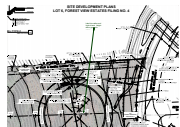
Space:

Subject: Image
Page Label: 1
Author: dsdparsons
Date: 1/25/2022 10:39:47 AM
Status:
Color: ■
Layer:
Space:



Subject: Callout
Page Label: 2
Author: dsdparsons
Date: 1/18/2022 3:01:35 PM
Status:
Color: ■
Layer:
Space:

The applicant has been told previously sign-age not allowed as it MUST meet sign Code.



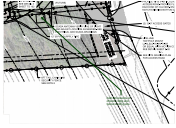
Subject: Callout
Page Label: 2
Author: dsdparsons
Date: 1/18/2022 3:08:56 PM
Status:
Color: ■
Layer:
Space:

Label the radius and hight of tank. Height above ground is _____



Subject: Callout
Page Label: 2
Author: dsdparsons
Date: 1/18/2022 3:09:21 PM
Status:
Color: ■
Layer:
Space:

Add the dimensions from tank to each property line



Subject: Callout
Page Label: 2
Author: dsdparsons
Date: 1/18/2022 3:10:01 PM
Status:
Color: ■
Layer:
Space:

Add dimensions of chlorine bldg and future landing site



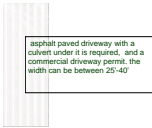
Subject: Callout
Page Label: 2
Author: dsdparsons
Date: 1/18/2022 3:11:22 PM
Status:
Color: ■
Layer:
Space:

Not provided on GEC Plan- Label the width and surface; if the driveway apron connects to pavement , it needs to be labeled as pavement or concrete hard surface.on this sheet and on landscape plans



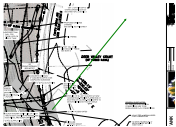
Subject: Text Box
Page Label: 2
Author: dsdparsons
Date: 1/18/2022 3:12:40 PM
Status:
Color: ■
Layer:
Space:

8. No advertisement "Town of Monument" sign-age permitted on tank; required safety sign-age only.

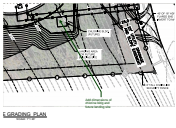


Subject: Text Box
Page Label: 2
Author: dsdparsons
Date: 1/25/2022 10:52:07 AM
Status:
Color: ■
Layer:
Space:

asphalt paved driveway with a culvert under it is required, and a commercial driveway permit. the width can be between 25'-40'

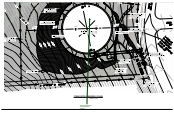


Subject: Arrow
Page Label: 2
Author: dsdparsons
Date: 1/25/2022 10:52:26 AM
Status:
Color: ■
Layer:
Space:



Subject: Callout
Page Label: 3
Author: dsdparsons
Date: 1/18/2022 3:04:38 PM
Status:
Color: ■
Layer:
Space:

Add dimensions of chlorine bldg and future landing site



Subject: Callout
Page Label: 3
Author: dsdparsons
Date: 1/18/2022 3:05:12 PM
Status:
Color: ■
Layer:
Space:

Add circumference and total gallon storage

~~0% SUBMITTAL~~

DATE
PAGE

Subject: Pen
Page Label: 3
Author: dsdparsons
Date: 1/18/2022 3:05:39 PM
Status:
Color: ■
Layer:
Space:

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~~0% SUBMITTAL~~

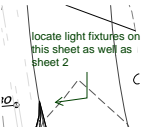
Subject: Pen
Page Label: 3
Author: dsdparsons
Date: 1/18/2022 3:05:41 PM
Status:
Color: ■
Layer:
Space:

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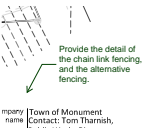
Subject: Callout
Page Label: 3
Author: dsdparsons
Date: 1/18/2022 3:05:59 PM
Status:
Color: ■
Layer:
Space:

delete this from al;l pages- this is for a construction approval



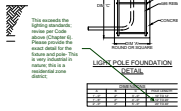
Subject: Callout
Page Label: 5
Author: dsdparsons
Date: 1/18/2022 3:24:55 PM
Status:
Color: ■
Layer:
Space:

locate light fixtures on this sheet as well as sheet 2



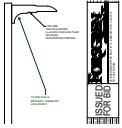
Subject: Callout
Page Label: 5
Author: dsdparsons
Date: 1/18/2022 3:25:28 PM
Status:
Color: ■
Layer:
Space:

Provide the detail of the chain link fencing, and the alternative fencing.



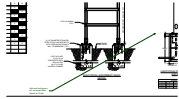
Subject: Callout
Page Label: 7
Author: dsdparsons
Date: 1/18/2022 3:18:28 PM
Status:
Color: ■
Layer:
Space:

This exceeds the lighting standards; revise per Code above (Chapter 6). Please provide the exact detail for the fixture and pole- This is very industrial in nature; this is a residential zone district;



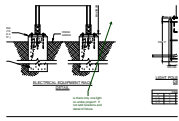
Subject: Callout
Page Label: 7
Author: dsdparsons
Date: 1/18/2022 3:19:34 PM
Status:
Color: ■
Layer:
Space:

15 feet max is allowed in residential zone district



Subject: Callout
Page Label: 7
Author: dsdparsons
Date: 1/18/2022 3:22:33 PM
Status:
Color: ■
Layer:
Space:

Add note that lumens will not exceed Max (based on Code)



Subject: Callout
Page Label: 7
Author: dsdparsons
Date: 1/18/2022 3:23:13 PM
Status:
Color: ■
Layer:
Space:

is there only one light on entire project? If not add locations and detail of fixture



Subject: Callout
Page Label: 8
Author: dsdparsons
Date: 1/18/2022 3:20:22 PM
Status:
Color: ■
Layer:
Space:

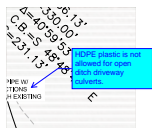
is the detail on the previous sheet that needs to be revised?

lpackman (4)



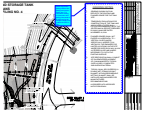
Subject: Cloud+
Page Label: 1
Author: lpackman
Date: 1/27/2022 8:00:22 AM
Status:
Color: ■
Layer:
Space:

Please remove these signature blocks from the site development plan. The engineering manager does not approve construction drawings (line CDs) under a site development plan. You can label construction plans in this document as "reference only" since the construction drawings will be reviewed for approval.



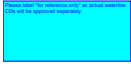
Subject: Callout
Page Label: 3
Author: lpackman
Date: 1/27/2022 7:40:15 AM
Status:
Color: ■
Layer:
Space:

HDPE plastic is not allowed for open ditch driveway culverts.



Subject: Cloud+
Page Label: 3
Author: lpackman
Date: 1/27/2022 7:56:50 AM
Status:
Color: ■
Layer:
Space:

Please copy these grading notes to the grading and erosion control plan. FYI: Information relating to construction and grading that needs to be approved by the manager needs to be in either the GEC or CDs.



Subject: Text Box
Page Label: 9
Author: lpackman
Date: 1/27/2022 8:01:01 AM
Status:
Color: ■
Layer:
Space:

Please label "for reference only" as actual waterline CDs will be approved separately.