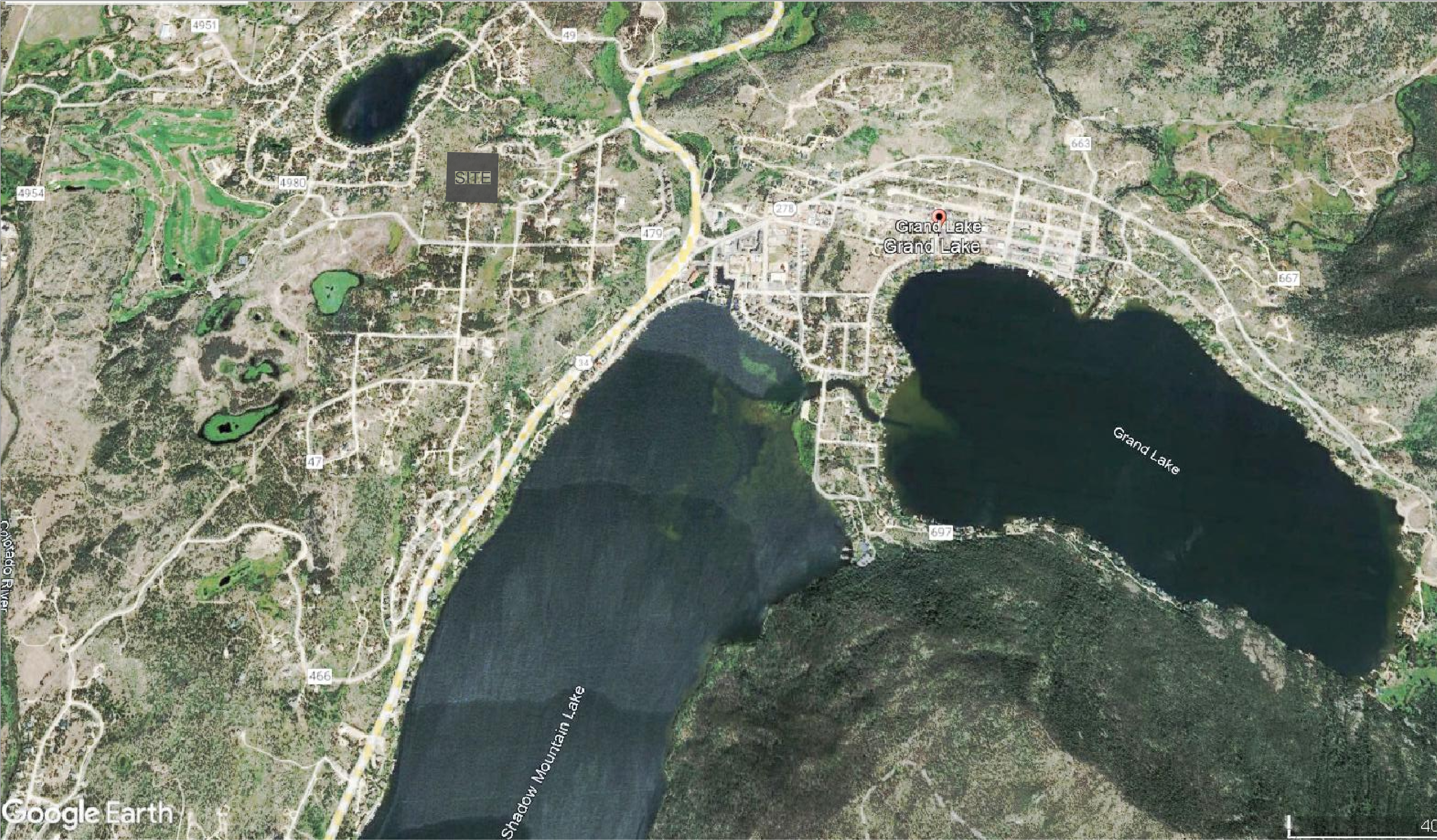


SHEET INDEX

- Sheet P-1: 40 Scale Site Grading Plan View
Sheet P-2: 10 Scale Horizontal Curve Geometry
Sheet PP-1: Plan & Profile View of Proposed Lucy Lane
Sheet CS-1: Cross Sections - Lucy Lane
Sheet U-1: Proposed Utility Installations
- Sheet D-1: Details
Sheet D-2: Details
Sheet D-3: Details
Sheet D-4: Details
Sheet N-1: Plan Notes

5/29/2024

DESIGNED BY		KAY	Sheet D-3		2 15 24
DRAWN BY		KAY/GH	Sheet D-4		3 18 24
CHECKED BY		JAJ	Utilities		5/28/24
PROJECT NUMBER		23-9538	Sheet N-1		5/29/24
			NO. REVISION		APPV'D DATE

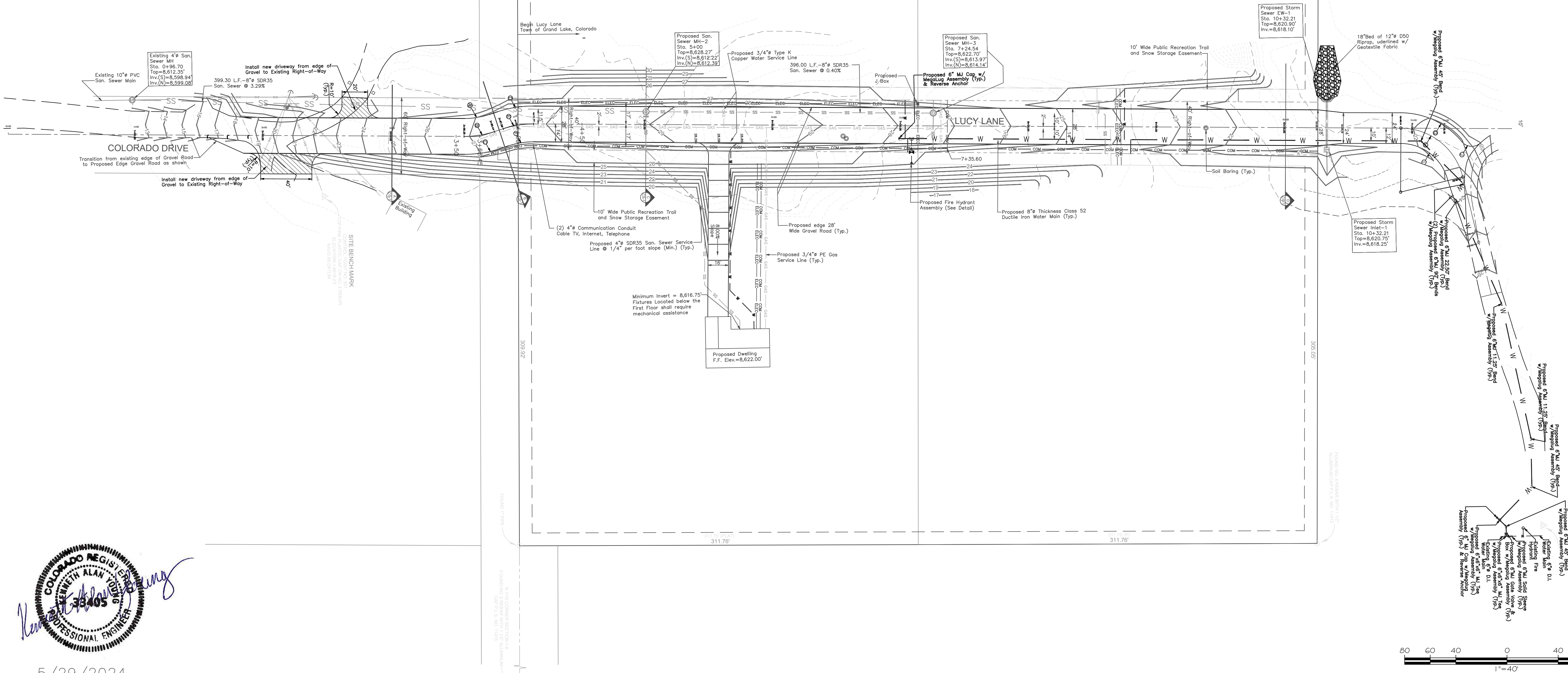
Lucy Lane

Plan View

Vicinity Map

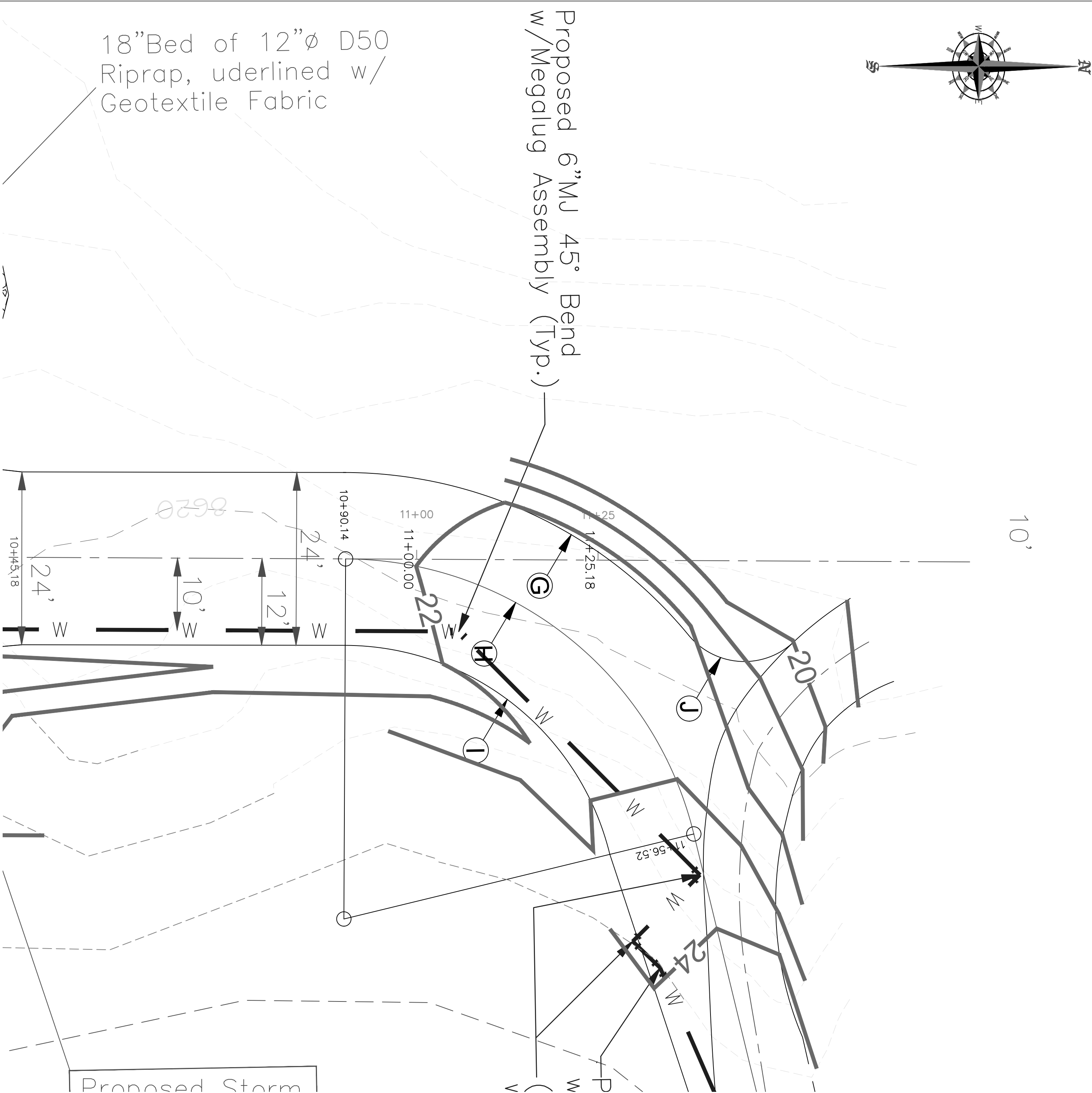
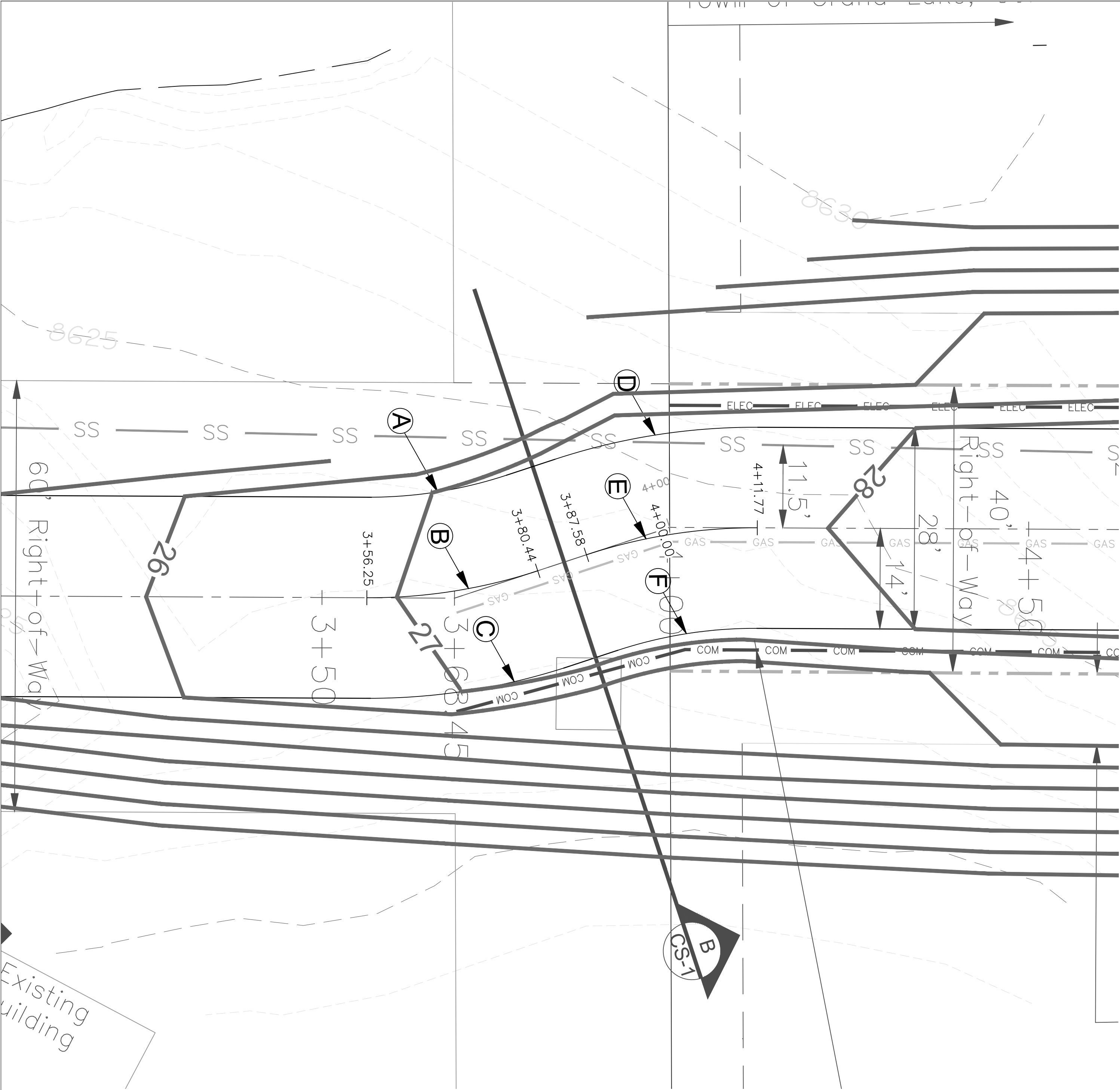
LEGEND

- Existing Contour (1')
- Existing Contour (5')
- Proposed Contour (1')
- Existing Sanitary Sewer Main
- Existing Potable Water Main
- Existing Overhead Electric
- Proposed Sanitary Sewer Main
- Proposed Potable Water Main
- Proposed Gas Main
- Proposed Storm Sewer/Culvert
- Proposed Underground Electric
- Proposed Underground Commur
- Proposed Right-of-Way
- Existing/Proposed Easement
- Proposed Edge Gravel Road



5/29/2024

DESIGNED BY	KAY	Lucy Lane	11/10/23
DRAWN BY	KAY/GH	Lucy Lane	12/20/23
CHECKED BY	JAJ	Lucy Lane	1/03/24
PROJECT NUMBER	23-9538	Lucy Lane Utilities	1/31/24
DATE		5/28/24	5/29/24
SCALE		5 Utilities	6 Utilities
SHEET		1	2
SHEET		3	4
SHEET		NO. REVISION	APPV'D DATE

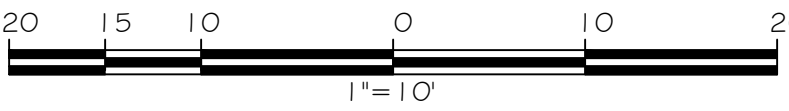


Lucy Lane Horizontal Curve Geometry

Curve	Sta PC	Sta PT	D	R	L	Δ	Δ/2	T	LC	LC Bearing
Horiz. Curve Designation	Pt. of Curvature	Pt. of Tangency	Degree of Curvature (Degrees/100 ft.)	Radius in feet	Length of Curve (ft.)	Central Angle (Decimal Degrees)	1/2 Central Angle (Decimal Degrees)	Tangent Length (ft.)	Long Chord (ft.)	Long Chord Bearing
A	356.25	380.44	93.93	61.00	19.68	18.48	9.24	9.93	19.59	N 7°57'55" E
B	356.25	380.44	76.39	75.00	24.19	18.48	9.24	12.20	24.09	N 7°57'55" E
C	356.25	380.44	64.38	89.00	28.71	18.48	9.24	14.48	28.59	N 7°57'55" E
D	387.58	411.77	93.93	61.00	19.68	18.48	9.24	9.93	19.59	N 7°57'55" E
E	387.58	411.77	76.39	75.00	24.19	18.48	9.24	12.20	24.09	N 7°57'55" E
F	387.58	411.77	64.38	89.00	28.71	18.48	9.24	14.48	28.59	N 7°57'55" E
G	1090.14	1134.01	92.41	62.00	54.79	50.63	25.32	29.33	53.02	N 39°18'36" E
H	1090.14	1156.52	114.59	50.00	66.38	76.07	38.03	39.11	61.61	N 39°18'36" E
I	1090.14	1156.52	150.78	38.00	50.45	76.07	38.03	29.72	46.83	N 39°18'36" E
J			572.96	10.00	16.36	93.77	46.88	10.68	14.60	N 4°40'13" E



5/29/2024



DESIGNED BY
KAY

DRAWN BY
KAY/GH

CHECKED BY
JAJ

PROJECT NUMBER
23-9538

Lucy Lane

Plan View

Horizontal Curve

Geometry

5/28/24

5/29/24

5 Utilities

6 Utilities

1

2

3

4

NO. REVISION

Lucy Lane

Lucy Lane

Lucy Lane

Lucy Lane Utilities

APPV'D

DATE

11/10/23

12/20/23

1/03/24

1/31/24

DATE


800 W. 8th Street
Pueblo, Colorado 81003
(719) 582-5588
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DATE
5/29/24

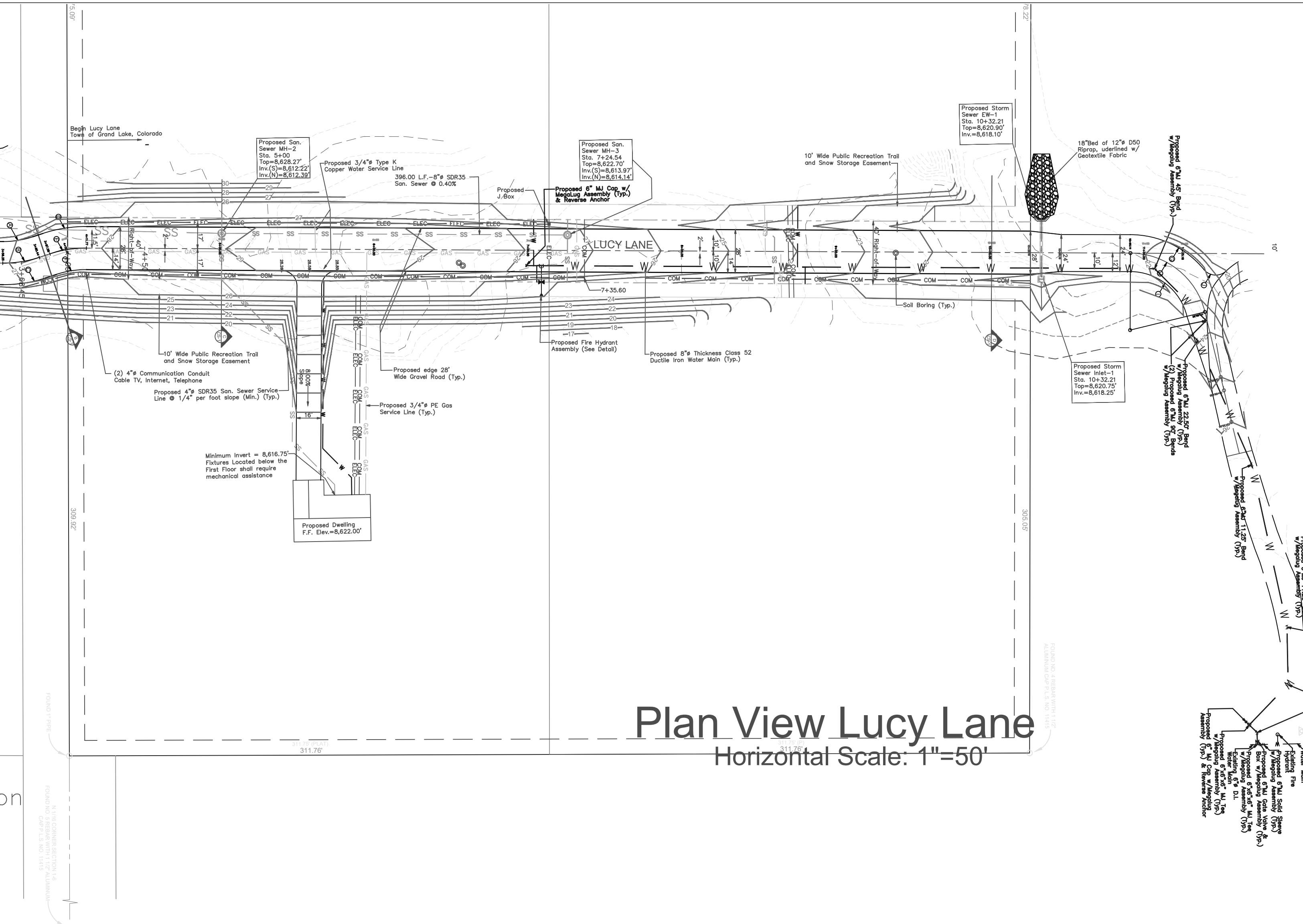
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HORZ : 1"=10'
VERT : -

SHEET
P-2

SHEET
OF

LEGEND

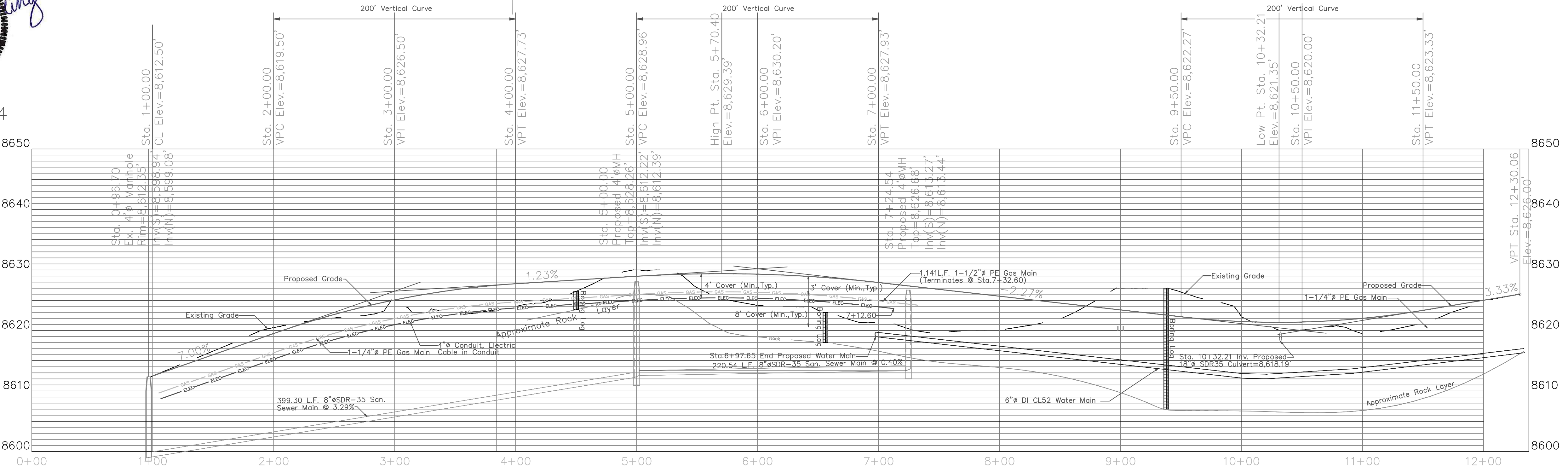
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- Existing Contour (5')
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- Existing Sanitary Sewer Main
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- Existing Overhead Electric
- Proposed Sanitary Sewer Main
- Proposed Potable Water Main
- Proposed Gas Main
- Proposed Storm Sewer/Culvert
- Proposed Underground Electric
- Proposed Underground Communication
- Proposed Right-of-Way
- Existing/Proposed Easement



Plan View Lucy Lane
Horizontal Scale: 1"=50'



5/29/2024



Profile View Lucy Lane
Horizontal Scale: 1"=50'
Vertical Scale: 1"=10'

DESIGNED BY	KAY	LUCY LANE	5/28/24	1	Lucy Lane	11/10/23
DRAWN BY	KAY/GH	Utilities	5/29/24	2	Lucy Lane	12/20/23
CHECKED BY	JAJ	6 Utilities		3	Lucy Lane	1/03/24
PROJECT NUMBER	23-9538	Lucy Lane		4	Lucy Lane Utilities	1/31/24
		Plan and Profile View		NO.	REVISION	APPV'D DATE



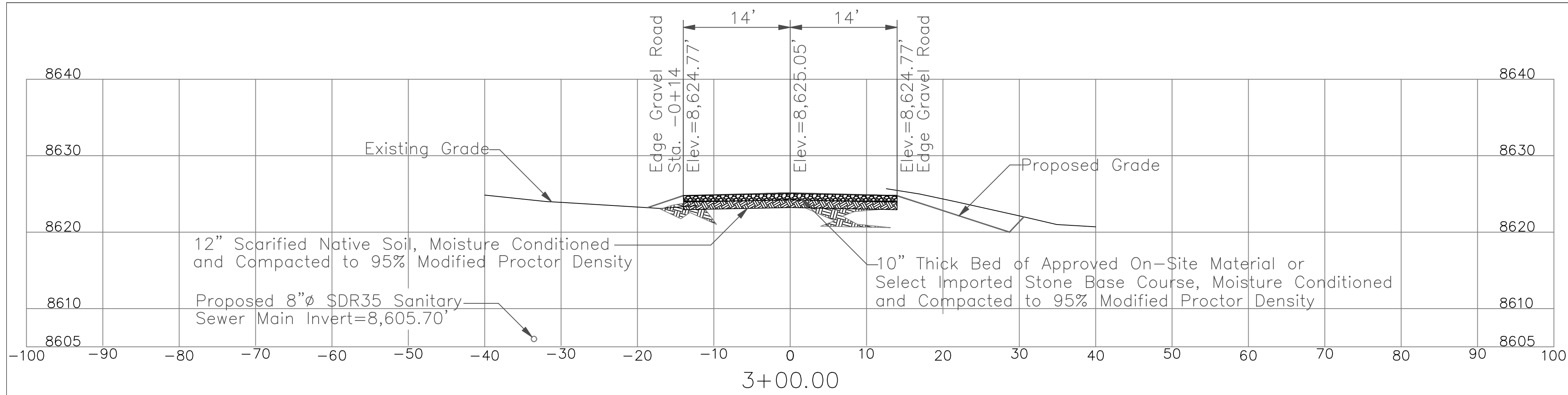
800 W. 8th Street
Pueblo, Colorado 81003
(719) 582-5588
WWW.JESIK.US

DATE
5/29/24

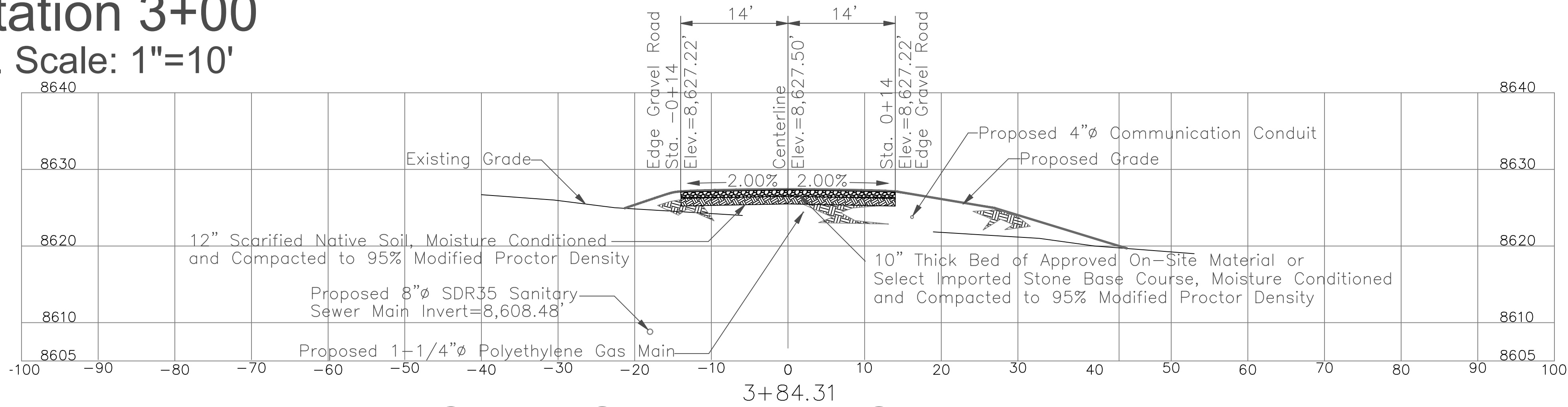
SCALE
HORZ : 1"=50'
VERT : 1"=10'

SHEET
PP-1

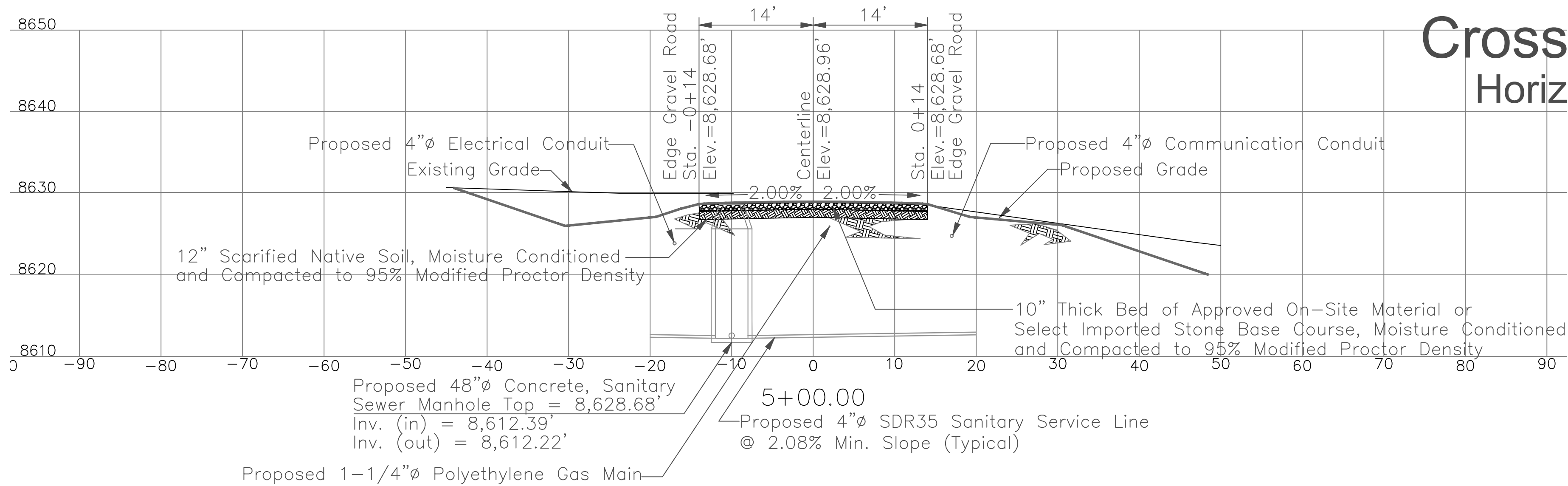
SHEET
OF



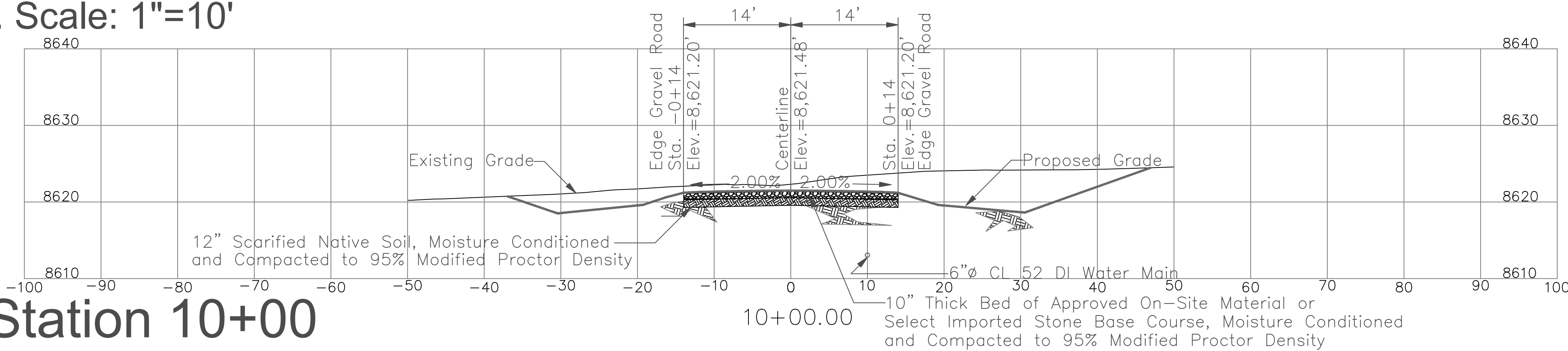
Cross Section A - Station 3+00
Horiz. Scale: 1"=10', Vert. Scale: 1"=10'



Cross Section B - Station 3+84.31
Horiz. Scale: 1"=10', Vert. Scale: 1"=10'



Cross Section C - Station 5+00
Horiz. Scale: 1"=10', Vert. Scale: 1"=10'



Cross Section D - Station 10+00
Horiz. Scale: 1"=10', Vert. Scale: 1"=10'



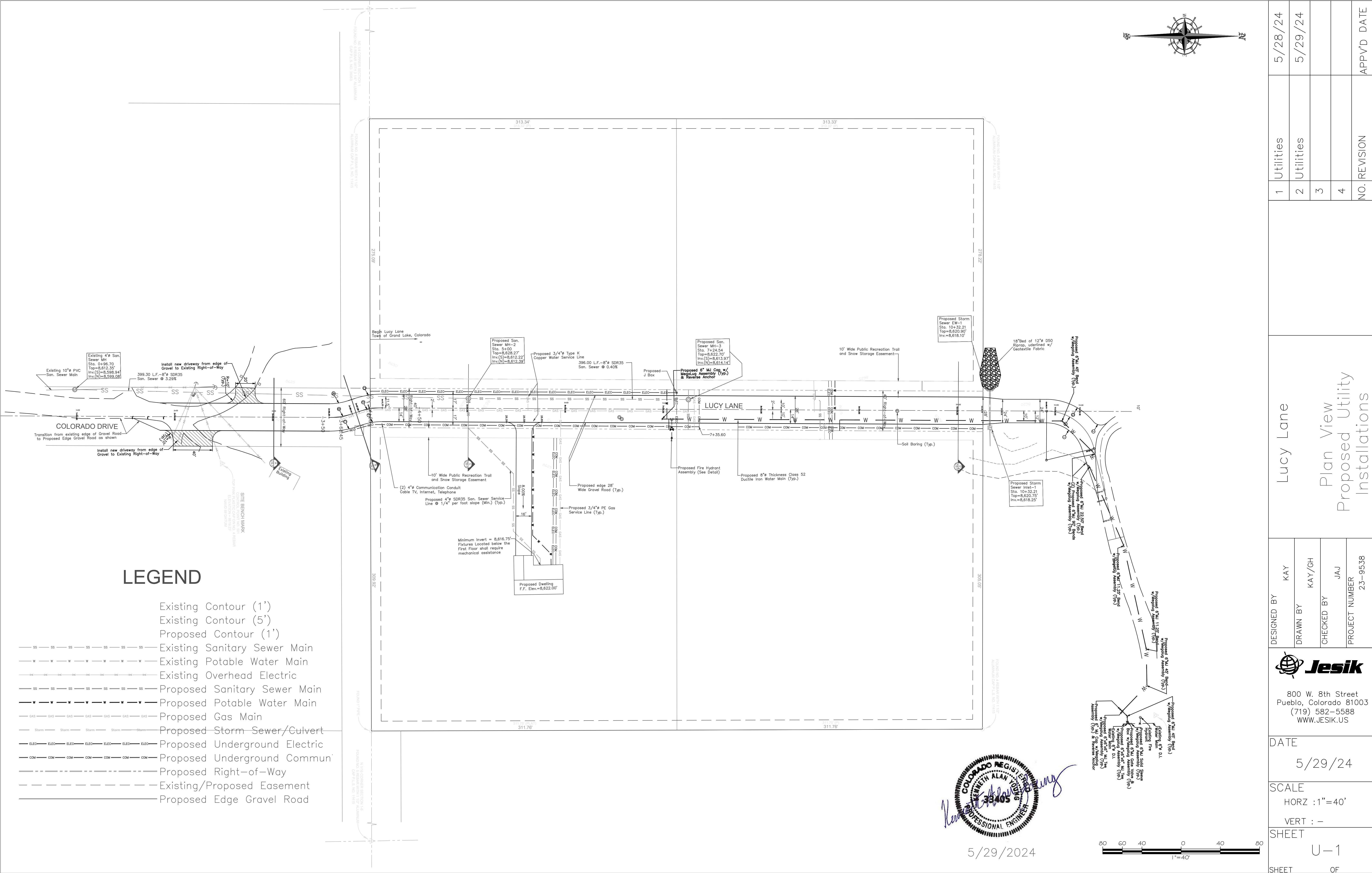
5/29/2024

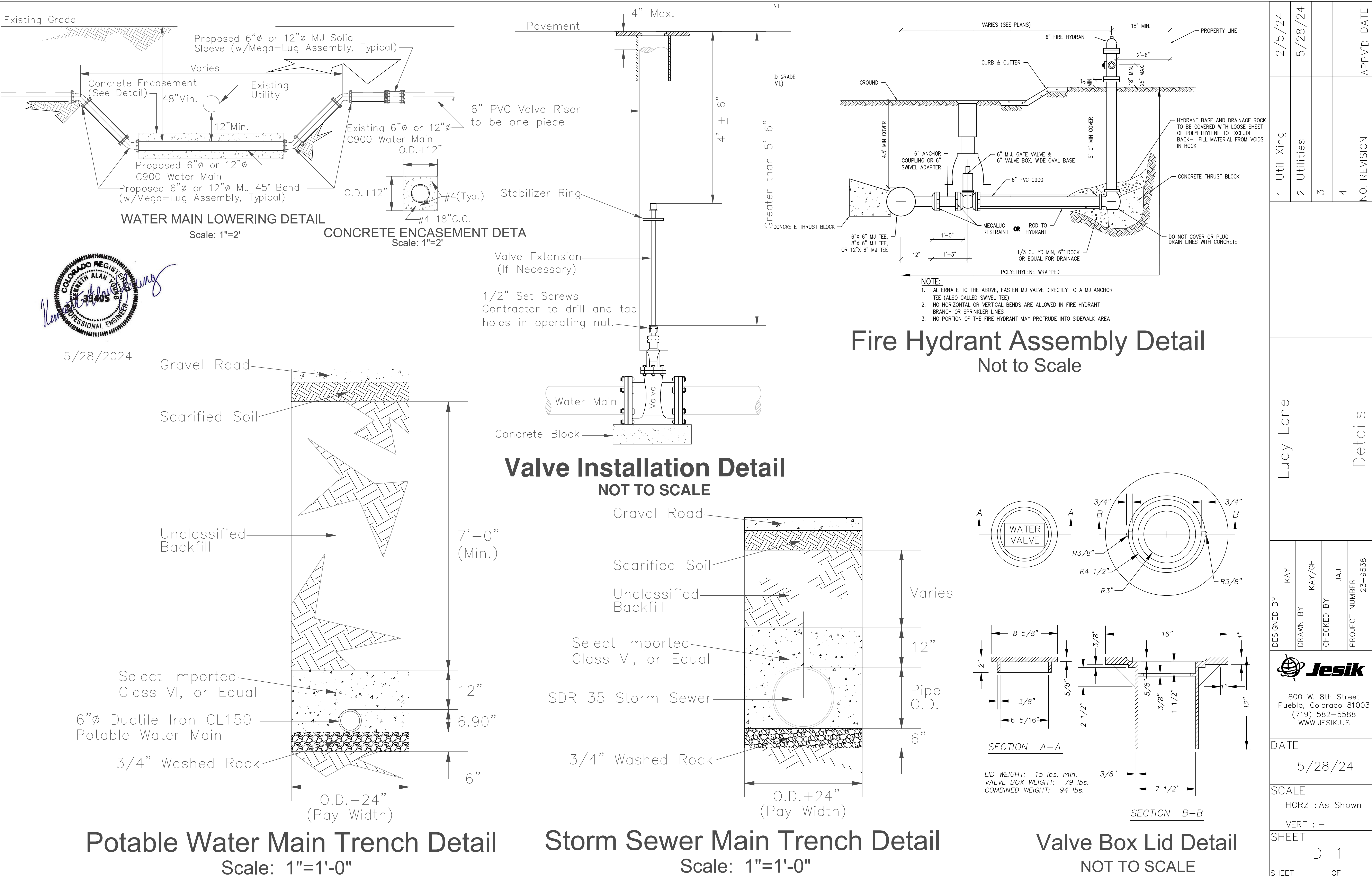
DESIGNED BY	KAY	5/28/24
DRAWN BY	KAY/GH	5/29/24
CHECKED BY	JAJ	
PROJECT NUMBER	23-9538	
DATE	5/29/24	
SCALE	HORIZ : 1"=10' VERT : 1"=10'	
SHEET	CS-1	
SHEET	OF	

Lucy Lane

Cross Sections

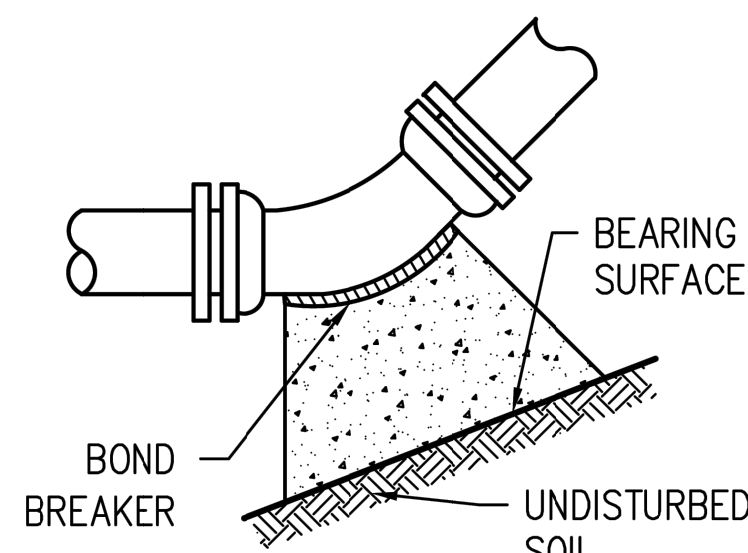
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2	Utilities	5/29/24
3		
4		
NO.	REVISION	APPV'D DATE



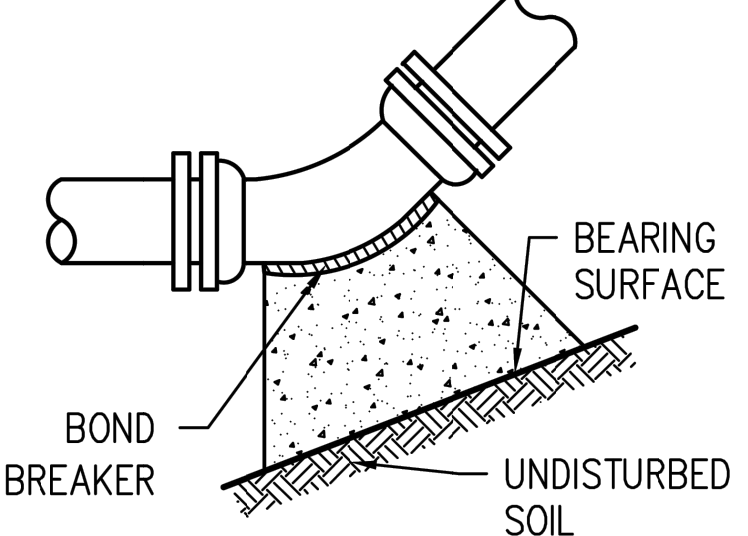


5/28/2024

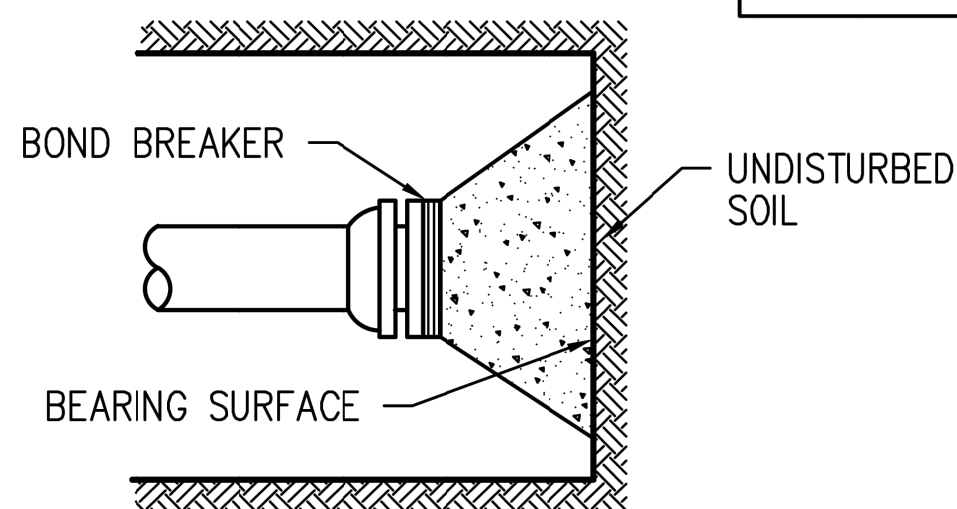
2/5/24	Util Xing	1
5/28/24	Utilities	2
		3
		4
		NO. REVISION
		APPV'D DATE
Lucy Lane		
Details		
DESIGNED BY	KAY	
DRAWN BY	KAY/GH	
CHECKED BY	JAJ	
PROJECT NUMBER	23-9538	
 800 W. 8th Street Pueblo, Colorado 81003 (719) 582-5588 WWW.JESIK.US		
DATE 5/28/24		
SCALE HORZ : As Shown VERT : -		
SHEET D-1		
SHEET OF		



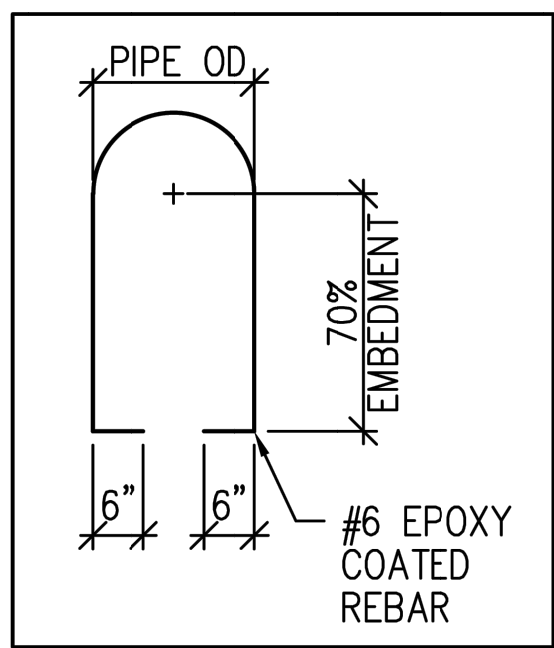
UPWARD BEND



DOWNWARD BEND

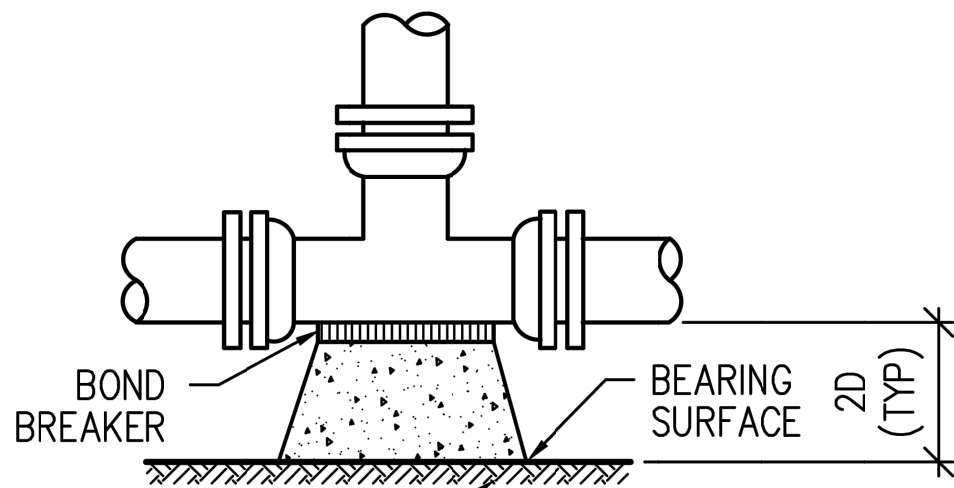


DEAD END



TYPICAL CROSS SECTION

11-1/4', 22-1/2', 45° & 90° BENDS



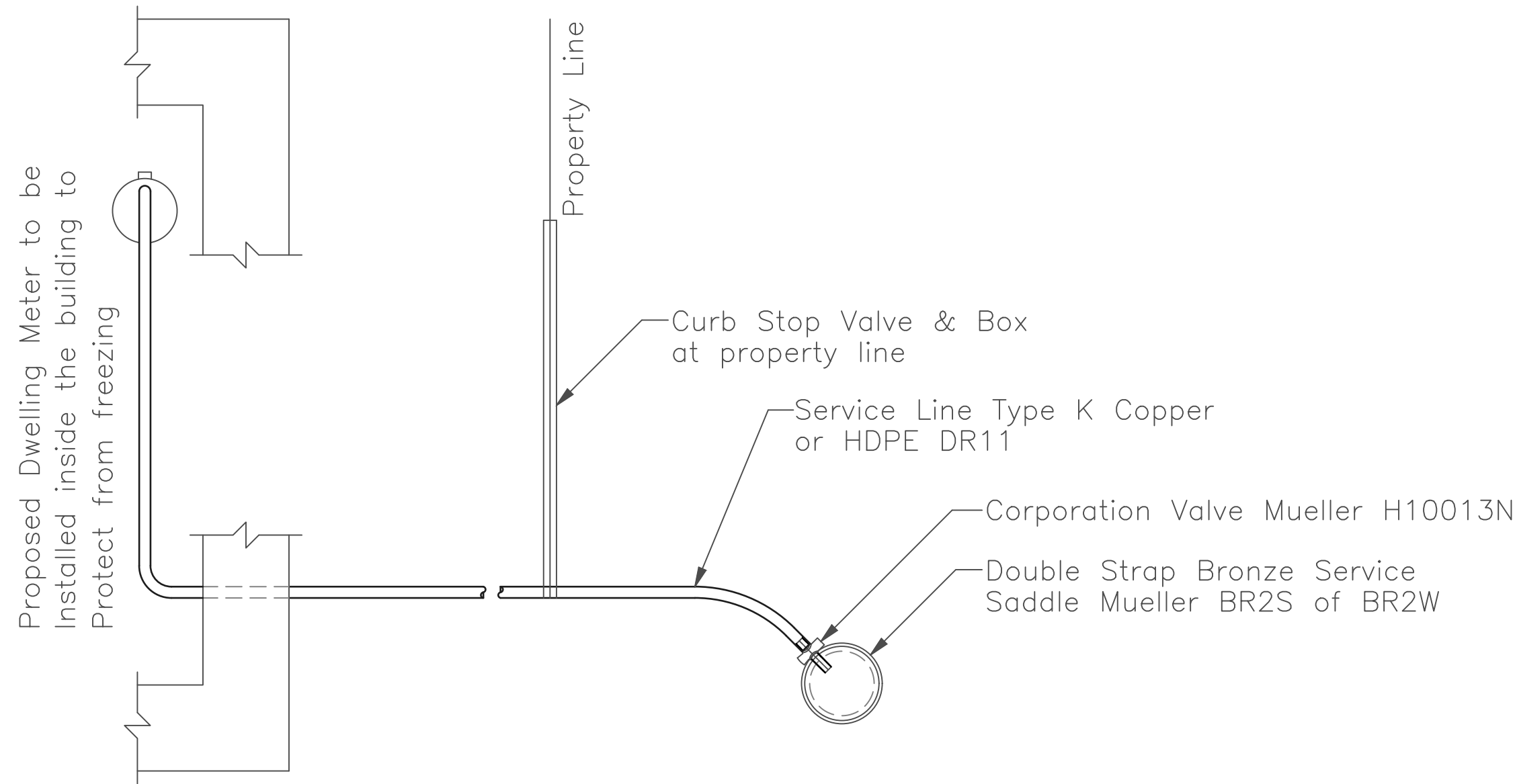
TEE

SIZE OF PIPE	TEE OR DEAD END	SURFACE AREA (SQ FT)				CONC VOL (CU YD)
		11-1/4'	22-1/2'	45°	90°	
4"	1.50	1.00	1.00	1.00	2.0	0.34
6"	3.00	1.00	1.25	2.25	4.5	0.71
8"	5.25	1.00	2.00	4.00	8.0	1.22
12"	11.25	2.25	4.50	8.75	17.0	1.83

MINIMUM BEARING SURFACE AREA (IN SQUARE FEET)

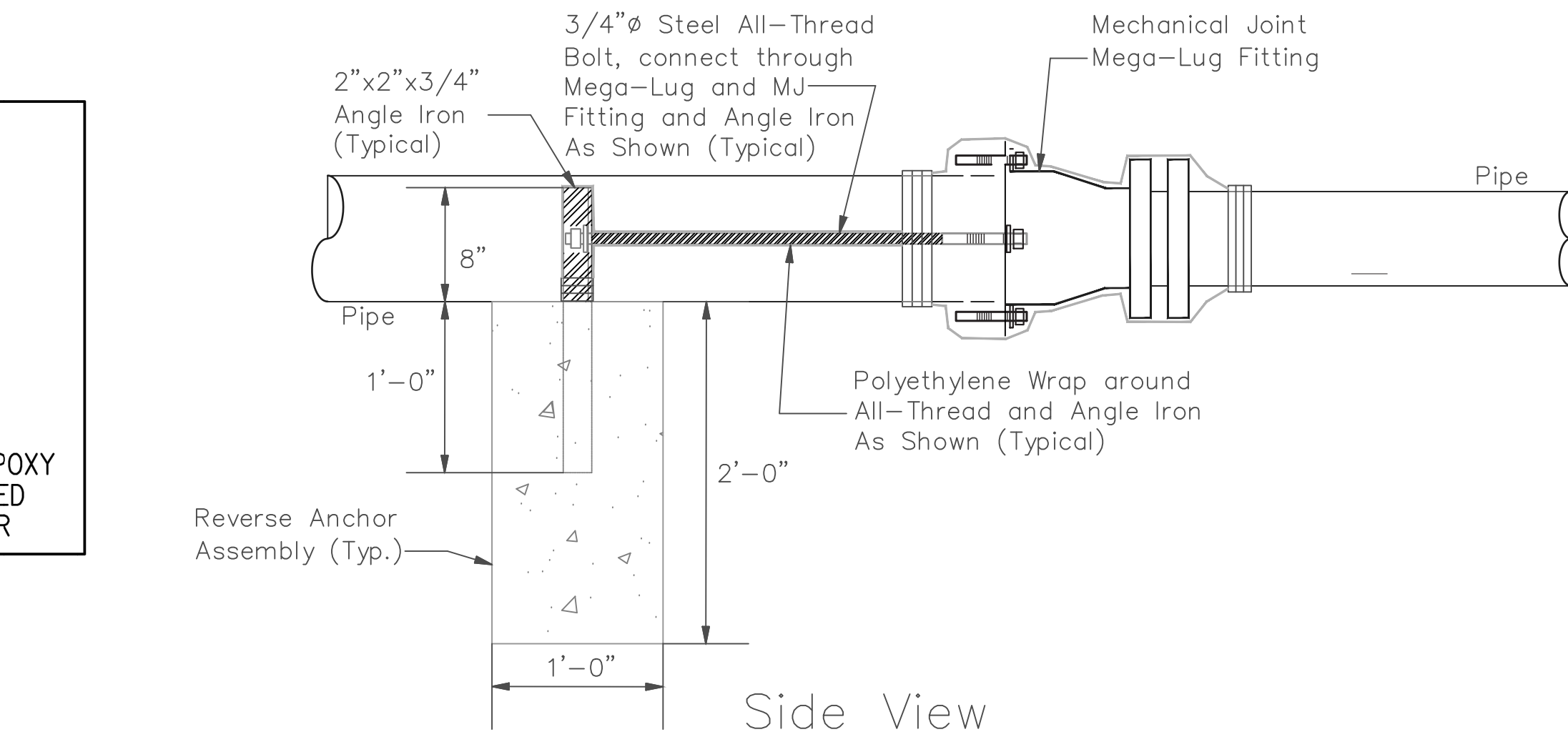
NOTES:

- BEARING SURFACES SHOWN IN CHART ARE MINIMUM SQUARE FEET
- BASED ON 150 PSI INTERNAL PIPE PRESSURE PLUS WATER HAMMER.
4", 6", 8", & 12" WATER HAMMER = 110 PSI
BASED ON 3000psf SOIL BEARING CAPACITY
- USE TYPE II PORTLAND CEMENT 3000 PSI CONCRETE
- ALL VALVES, TEES, BENDS AND PLUGS SHALL BE RESTRAINED AND THRUST BLOCKED

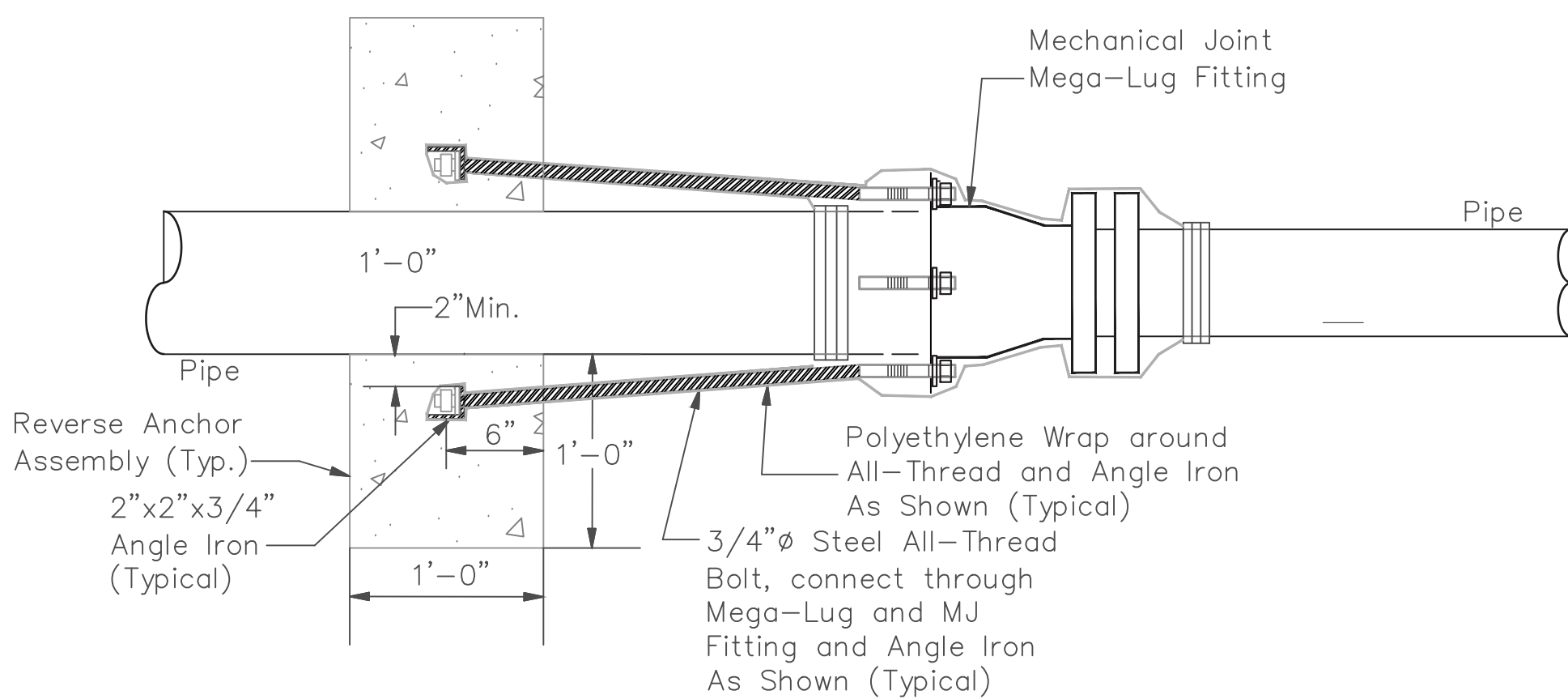


Service Tap/Meter Installation Detail

Not to Scale



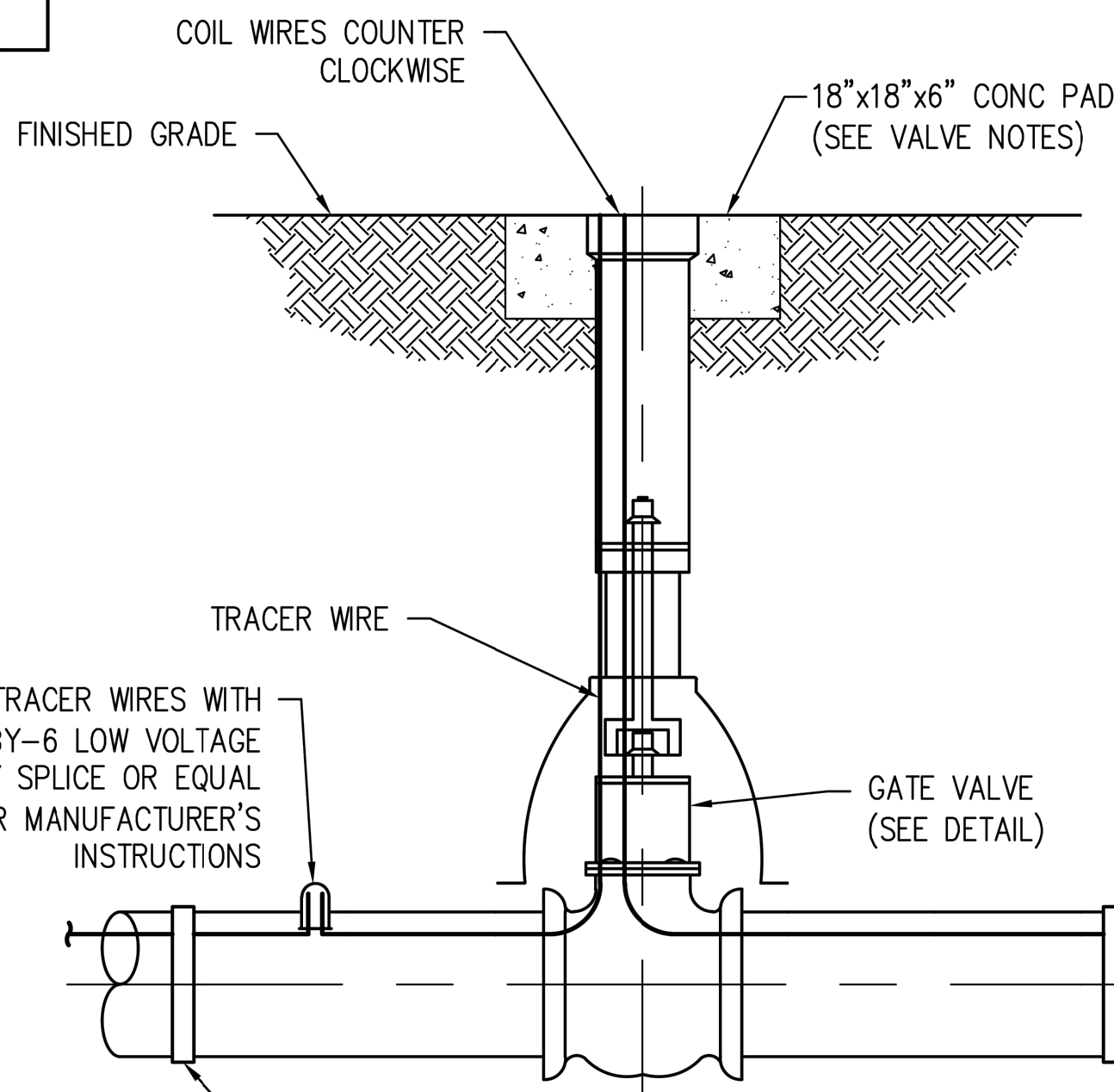
Side View



Plan View

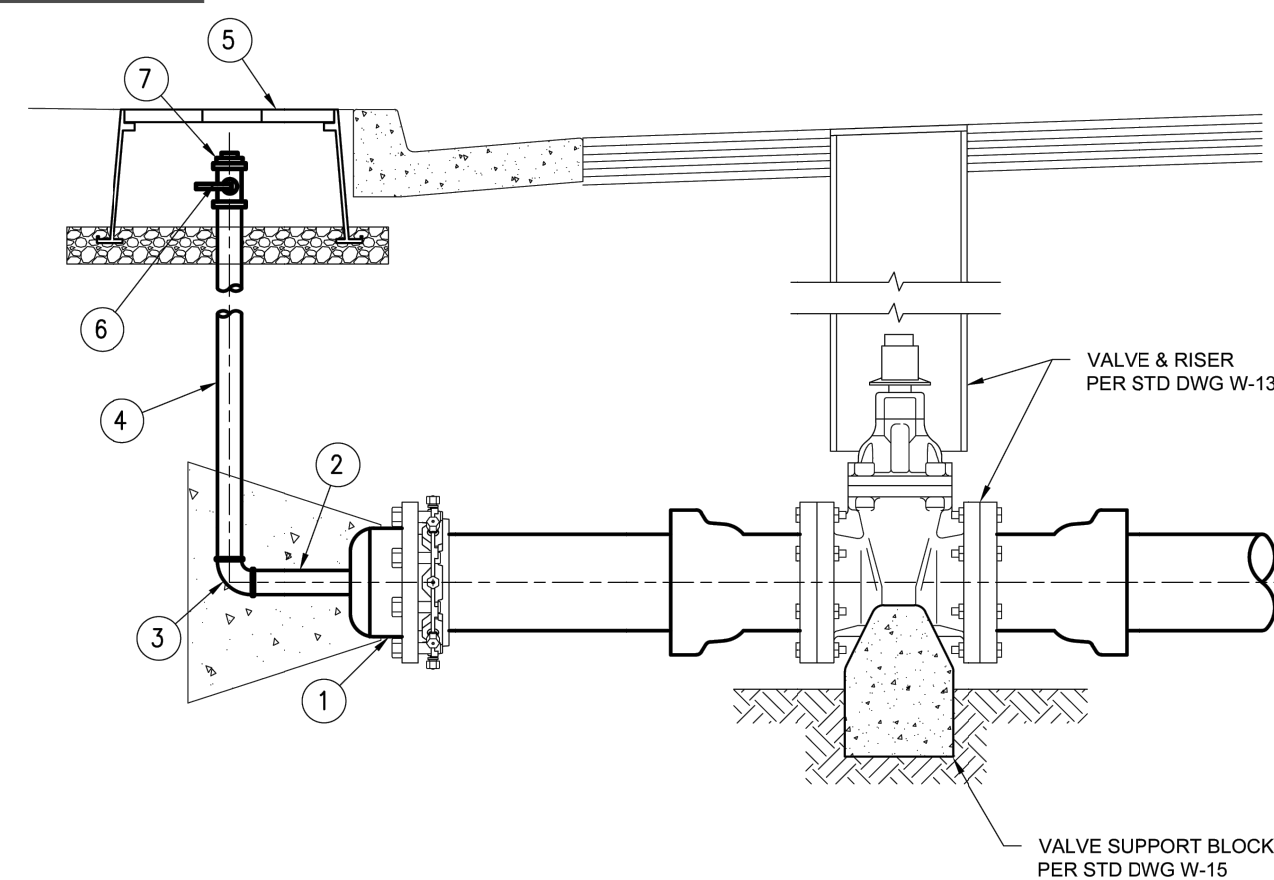
REVERSE ANCHOR ASSEMBLY DETAIL

Not to Scale



NOTE:
SPACE TRACER WIRE TEST STATIONS AT 500' MAX SPACING

TRACER WIRE INSTALLATION AND TEST STATION DETAIL



NOTES:

- METER BOX FOR BALL VALVE TO BE LOCATED ADJACENT TO AND BEHIND CURB, UNLESS OTHERWISE NOTED ON PLANS.
- IF END OF MAIN IS IN STREET, INSTALL 2" BRASS PIPE LEVEL TO BEHIND CURB. USE ADDITIONAL 2" 90° BRASS ELBOW.
- WHEN BLOW-OFF IS LOCATED BEHIND A ROLLED CURB & GUTTER, OR WHERE NO CURB EXISTS USE TRAFFIC STYLE BOX AND LID.

ITEM	DESCRIPTION
(1)	MAIN x 2" MJ TAPPED END CAP
(2)	2" x 6" BRASS NIPPLE
(3)	2" 90° BRASS ELBOW
(4)	2" BRASS PIPE
(5)	METER BOX PER STANDARD DETAIL W-11
(6)	2" BALL VALVE PER APPROVED MATERIALS LIST
(7)	2" BRASS PLUG

Temporary Blow-Off Assembly

Not to Scale



1	BOA	2/5/24
2	Utilities	5/28/24
3	Curb Stop & Box	5/29/24
4		
NO. REVISION		APPV'D DATE
Lucy Lane		
Details		
DESIGNED BY	KAY	
DRAWN BY	KAY/GH	
CHECKED BY	JAJ	
PROJECT NUMBER	23-9538	
 800 W. 8th Street Pueblo, Colorado 81003 (719) 582-5588 WWW.JESIK.US		
DATE 5/29/24		
SCALE HORZ : As Shown VERT : -		
SHEET D-2		
SHEET	OF	

Natural Gas and Electric Residential Service

DRAWING CR-10

The diagram illustrates the required clearances for a sump pump installation. Key components and their positions are labeled:

- Regulator**: Located above the pump assembly.
- Gas Meter Set**: Located below the regulator.
- Mechanically induced air intake**: A box-like structure on the right side of the pump.
- Final Grade**: Indicated by a horizontal line with small plant symbols below it.

Clearance and safety zones are defined by dashed lines and arrows:

- A central zone of **Approx 18"** width is marked for the pump assembly.
- On either side of this central zone, there are **12"** clearances.
- A **3' from common building openings (windows, doors, etc.)** clearance is shown extending from the central zone.
- A **3' from sources of ignition (Watt/hour electric meters with open contacts, breaker boxes, electric outlets, air conditioners or refrigeration condensers, etc.)** clearance is also indicated.
- A **6' from mechanically induced air intakes** clearance is shown on the right side.
- A **6' radially from regulator** clearance is shown as a dashed arc.
- A **3' radially from regulator** clearance is shown as a smaller dashed arc.
- A large dashed arc indicates a zone where **No electrical equipment shall be installed within this area**.

Additional notes on the right side of the diagram:

- Sump Pump outlets.
- Any possible venting leading into the structure

- | | | | | | | | |
|---|--------|----------|----------|----------|-------|---|-------|
| | Issued | Replaces | Drawn by | Approved | File | STANDARD FOR ELECTRIC INSTALLATION AND USE | |
| | Oct-21 | Jan-19 | DCP | | I-7.1 | PAGE | I-7.1 |

DRAWING SC-20B

May not be installed in this location (See Note 2)

Minimum of 8' for 1 story
Minimum of 16' for 2 story

Electrical Meter

Gas Meter

Final Grade

SIDE VIEW
1 story building

48" 36"

2 story building

- | | | | | | | |
|---|--------|----------|----------|----------|--------|---|
|  Xcel Energy ™ | Issued | Replaces | Drawn by | Approved | File | STANDARD FOR ELECTRIC INSTALLATION AND USE |
| | Oct-21 | NEW | DCP | | I-1.5B | PAGE
I-1.5B |

Gas Service Meter Installation Detail 3

DRAWING SC-20A

NOTES:

-
- Diagram illustrating the installation of a Gas Meter Set on a side view of a house. The meter set is shown mounted on a wall, with a height dimension of 6" to 12" above the Final Grade. The meter set is labeled "Gas Meter Set". The diagram also shows the meter set installed on a side view of a house, with a height dimension of 5' above the Final Grade. The meter set is labeled "Gas Meter Set". The diagram includes dimensions for the meter set height (6" to 12") and the distance from the house to the meter set (1' and 4').
- NOTES:**

- | | | | | | | |
|---|--------|----------|----------|----------|--------|---|
|  | Issued | Replaces | Drawn by | Approved | File | STANDARD FOR ELECTRIC INSTALLATION AND USE |
| | Oct-21 | Jan-17 | DCP | | I-1.5A | PAGE
I-1.5A |

Gas Service Meter Installation Detail 2

DESIGNED BY	KAY	Lucy Lane Details NO. REVISION APPV'D DATE
DRAWN BY	KAY/GH	
CHECKED BY	JAJ	
PROJECT NUMBER	23-9538	



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DATE

5/28/24

SCALE

HORZ : As Shown

VERT : -

SHEET

D-3

