



Google Earth

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3		
4		
NO. REVISION		APPVD DATE

Lucy Lane

Plan View
Vicinity Map

DESIGNED BY	KAY
DRAWN BY	KAY/GH
CHECKED BY	JAJ
PROJECT NUMBER	23-9538

800 W. 8th Street
Pueblo, Colorado 81003
(719) 582-5588
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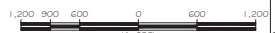
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1/02/24

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SHEET
Cover

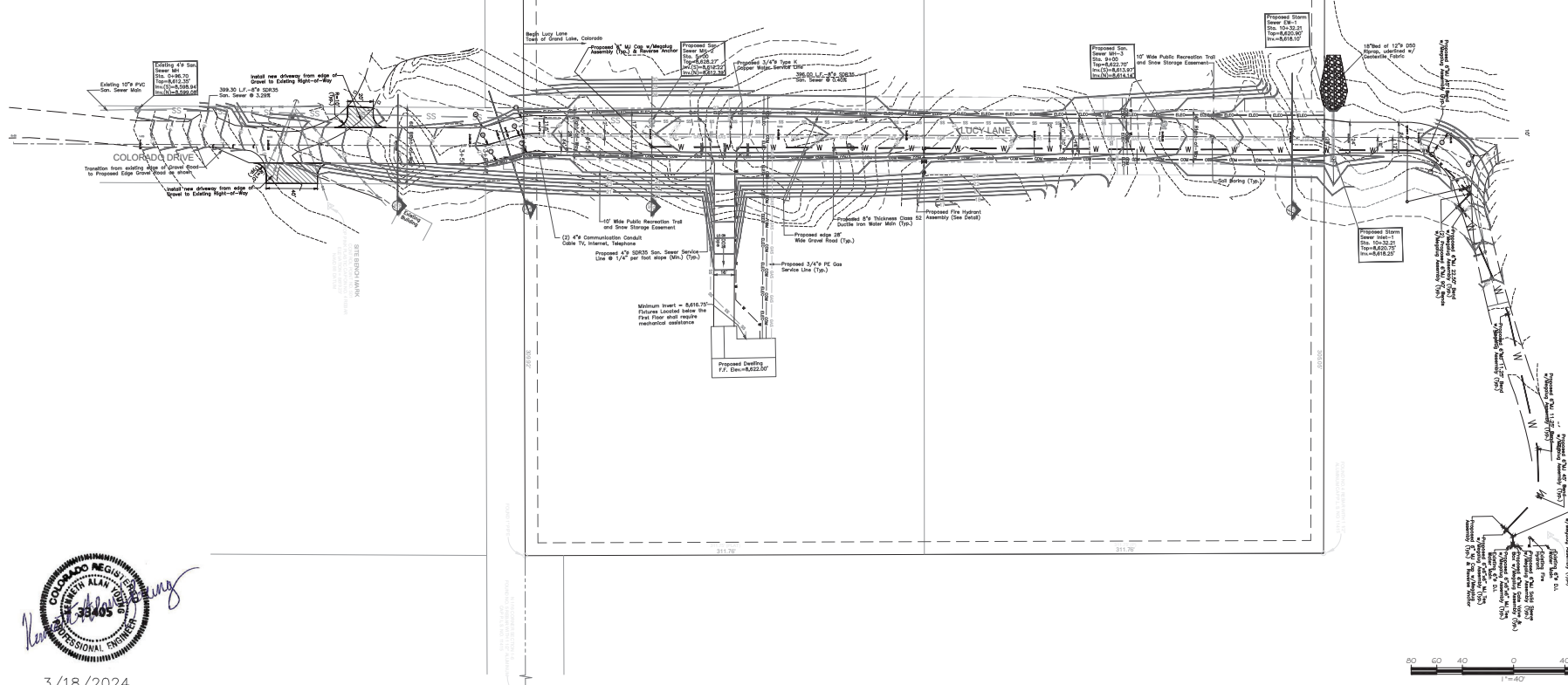


3/18/2024



SHEET OF

- 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 Right-of-Way
- Existing/Proposed Easement
- Proposed Edge Gravel Road



3/18/2024

NO.	REVISION	APPROVED DATE
1	Lucy Lane	11/10/23
2	Lucy Lane	12/20/23
3	Lucy Lane	1/03/24
4	Lucy Lane Utilities	1/31/24

Lucy Lane
Plan View
Site Grading
and Utilities

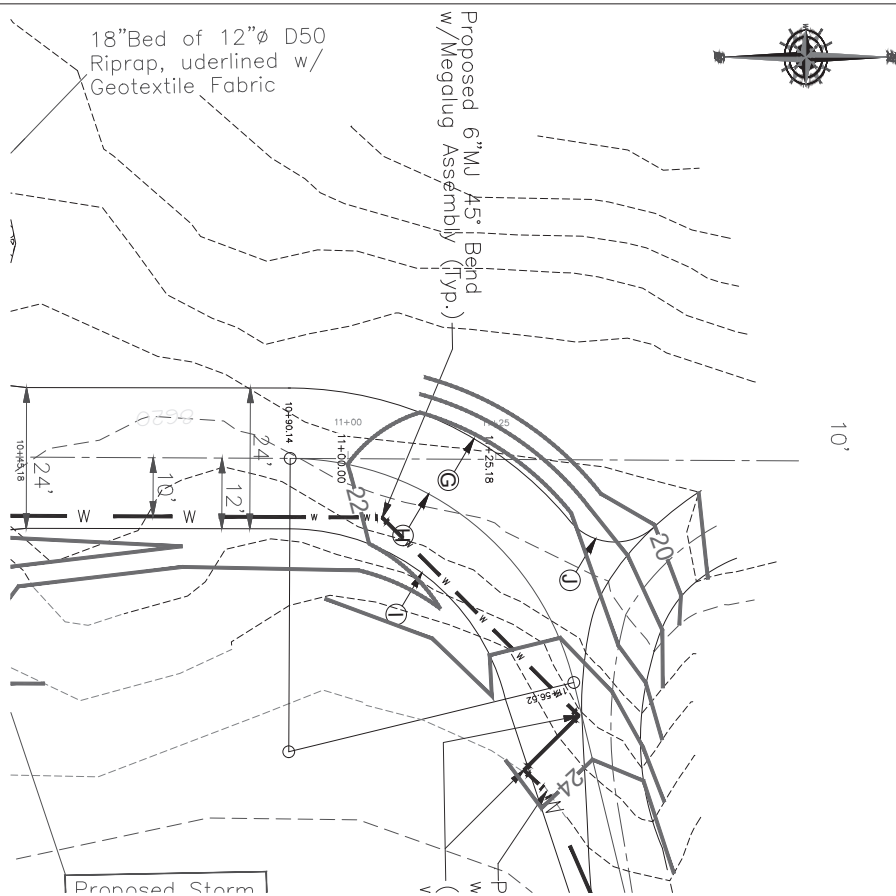
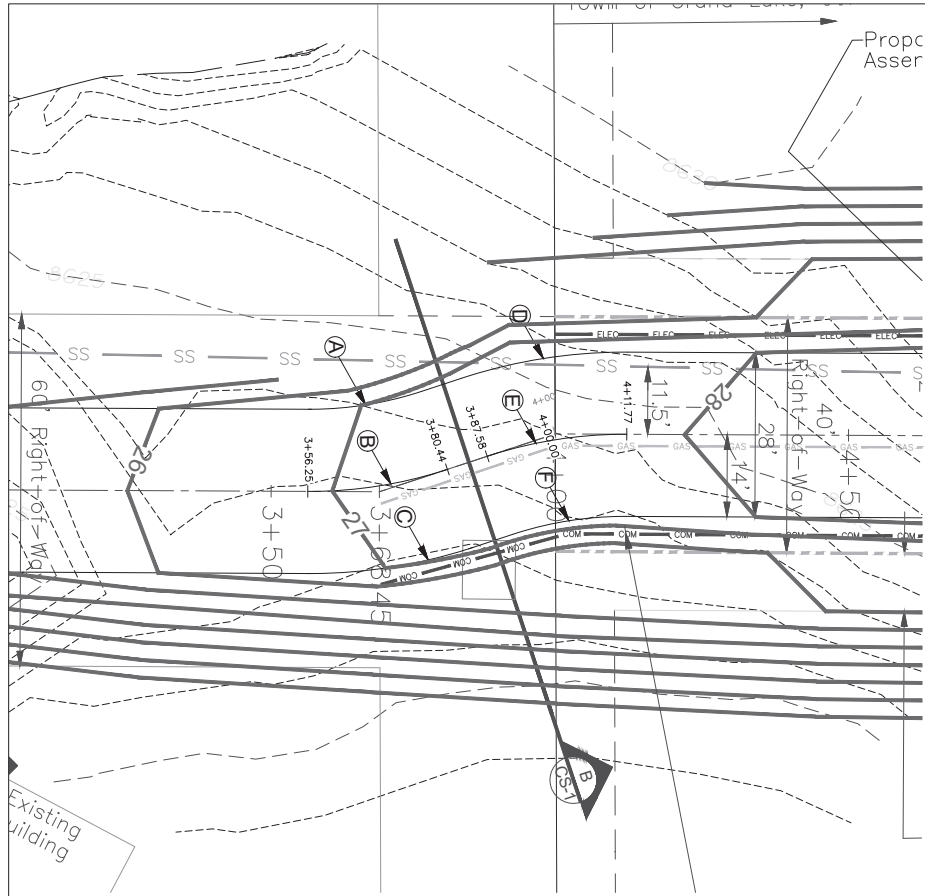
DESIGNED BY	KAY
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PROJECT NUMBER	23-9538

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 Pueblo, Colorado 81003
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DATE
11/03/23

SCALE
HORZ : 1"=40'
VERT : -

SHEET
P-1
OF



Lucy Lane Horizontal Curve Geometry

Curve	Sta PC	Sta PT	D	R	L	Δ	$\Delta/2$	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	1:34.01	92.41	62.00	54.79	50.63	25.32	29.33	53.02	N 39°18'36" E
H	1090.14	1:56.52	114.59	50.00	66.38	76.07	38.03	39.11	61.61	N 39°18'36" E
I	1090.14	1:56.52	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

NO.	REVISION	DATE
1	Lucy Lane	11/10/23
2	Lucy Lane	12/20/23
3	Lucy Lane	1/03/24
4	Lucy Lane Utilities	1/31/24

Lucy Lane
Plan View
Horizontal Curve
Geometry

DESIGNED BY	KAY
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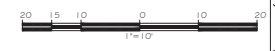
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11/03/23

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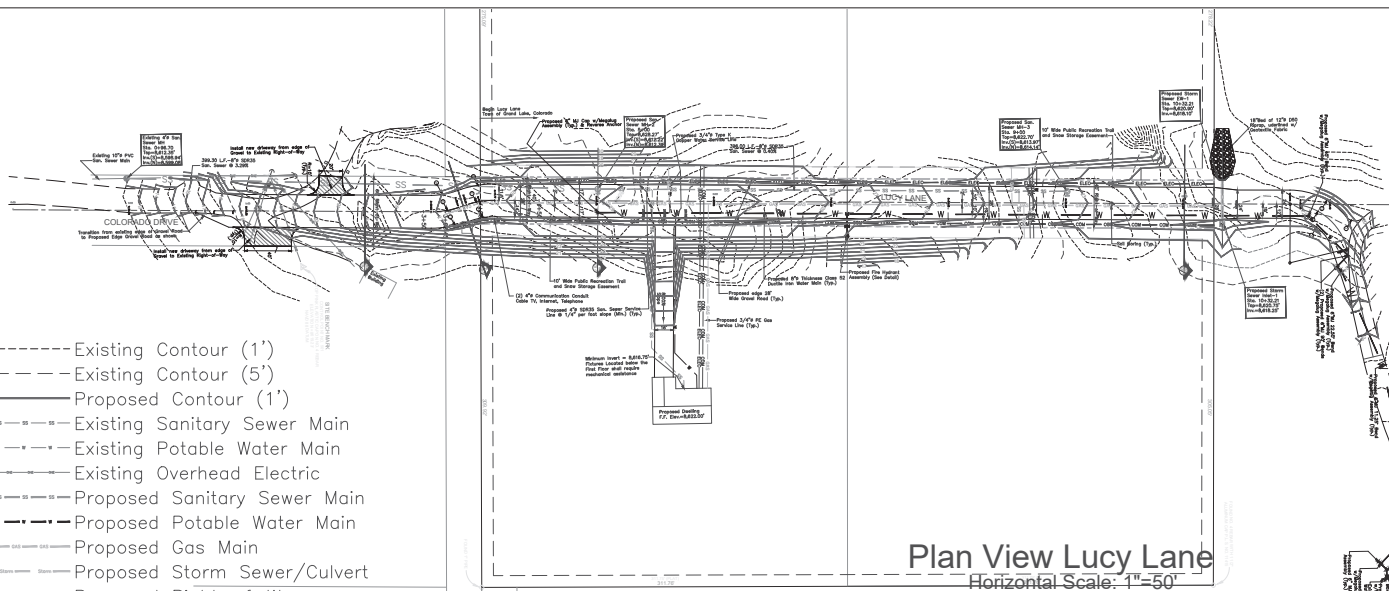
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P-2
SHEET OF



3/18/2024



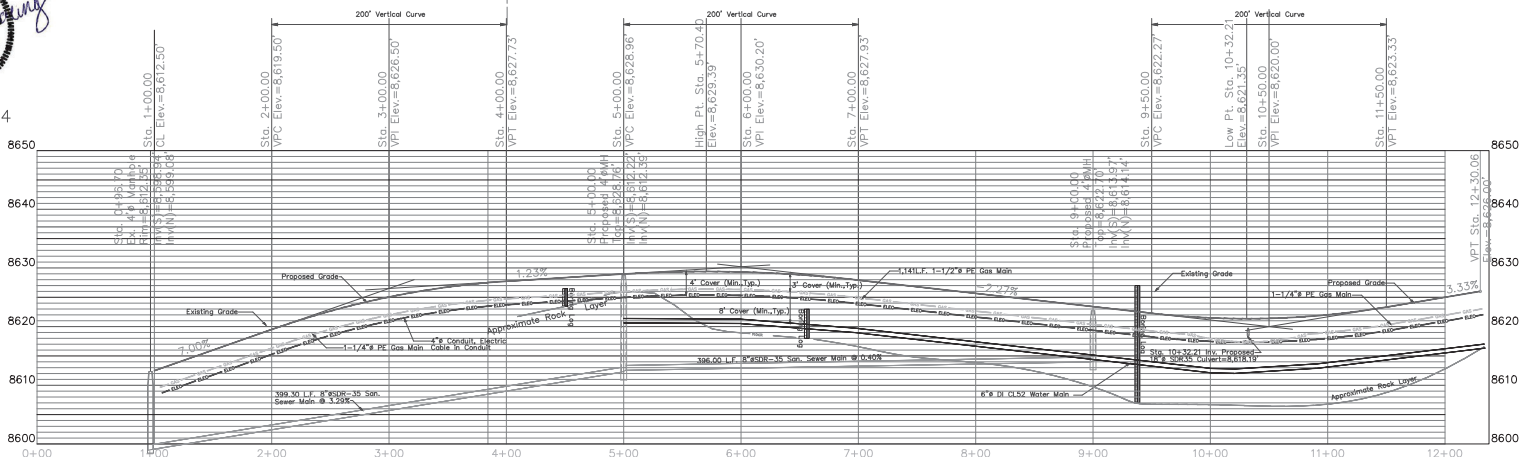
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- Existing Contour (5')
- Proposed Contour (1')
- Existing Sanitary Sewer Main
- Existing Potable Water Main
- Existing Overhead Electric
- Proposed Sanitary Sewer Main
- Proposed Potable Water Main
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-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



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



3/18/2024



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

NO.	REVISION	DATE
1	Lucy Lane	11/10/23
2	Lucy Lane	12/20/23
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Lucy Lane

Plan and Profile View

DESIGNED BY	KAY
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PROJECT NUMBER	23-9538

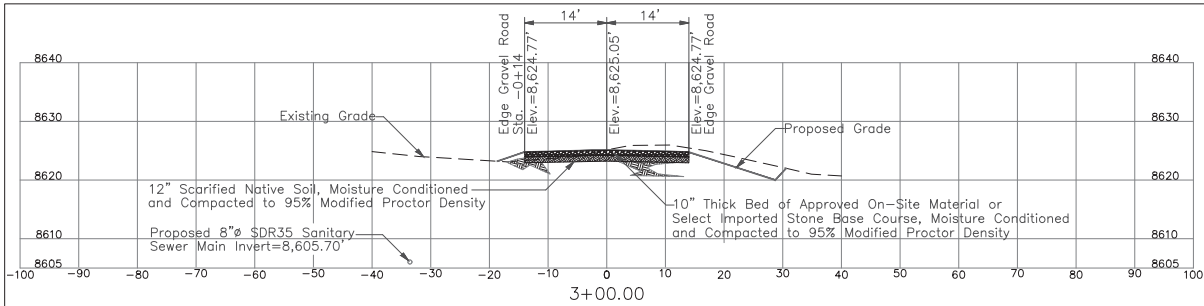


DATE
11/03/23

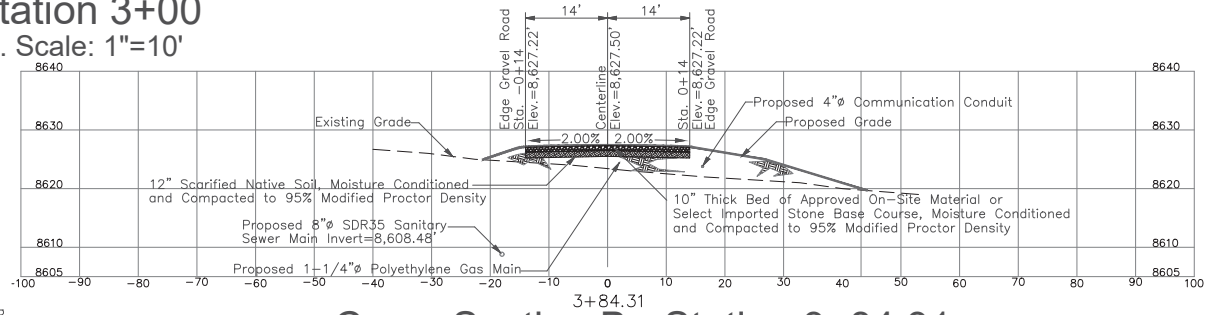
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SHEET
PP-1

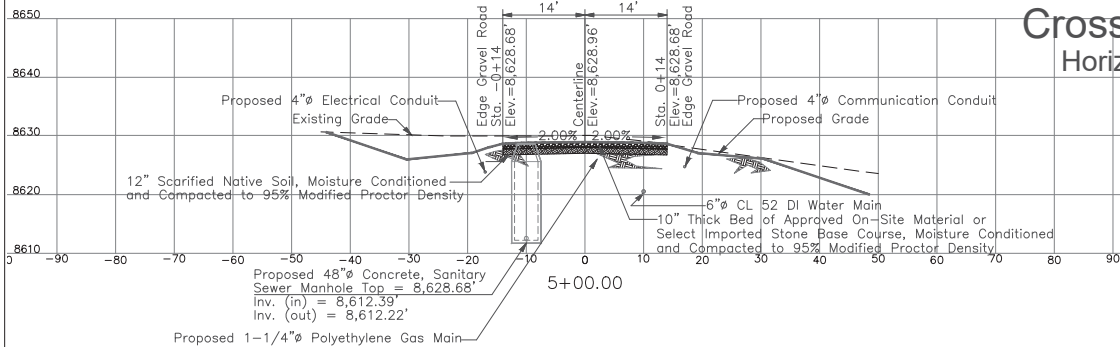
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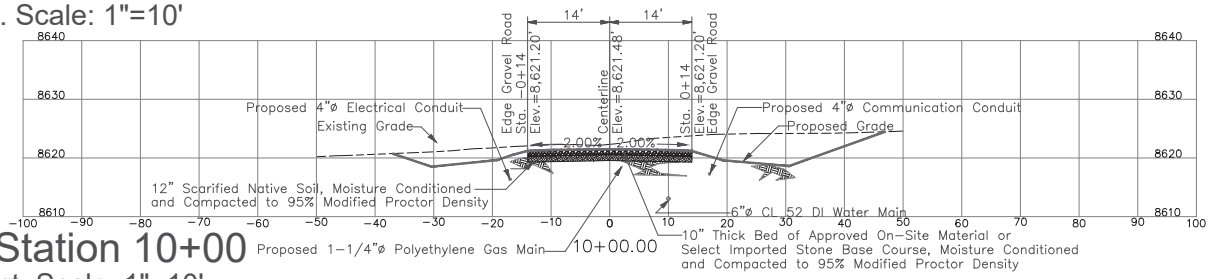
Cross Section A - Station 3+00
 Horiz. Scale: 1"=10', Vert. Scale: 1"=10'



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'



3/18/2024

NO.	REVISION	APPVD	DATE
1			
2			
3			
4			

Lucy Lane

Cross Sections

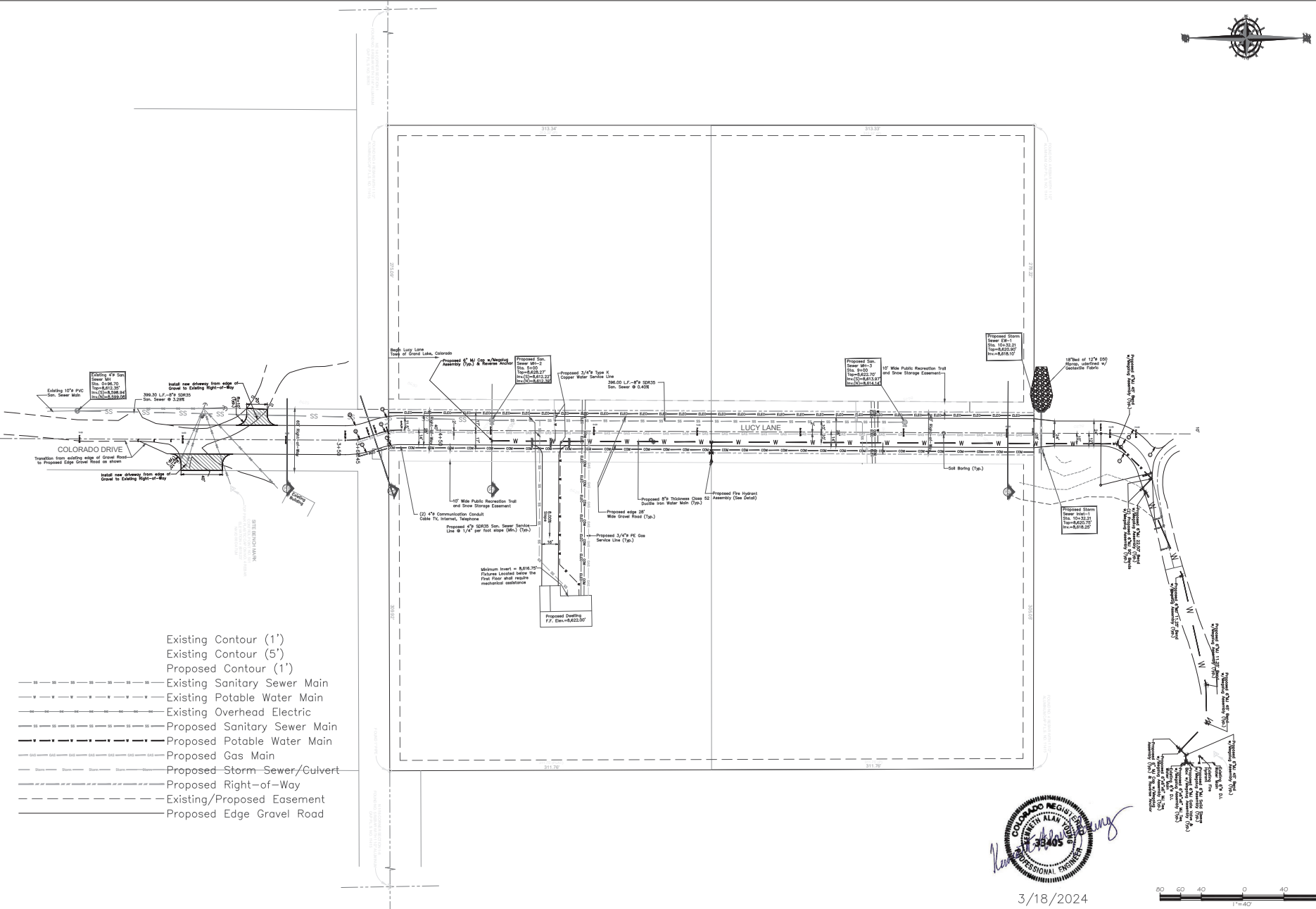
DESIGNED BY	KAY
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PROJECT NUMBER	23-9538



DATE
3/14/24

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

SHEET
CS-1
OF



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



3/18/2024



1	
2	
3	
4	
NO.	REVISION
	APPVD DATE

Lucy Lane
Plan View
Proposed Utility
Installations

DESIGNED BY	KAY
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PROJECT NUMBER	23-9538

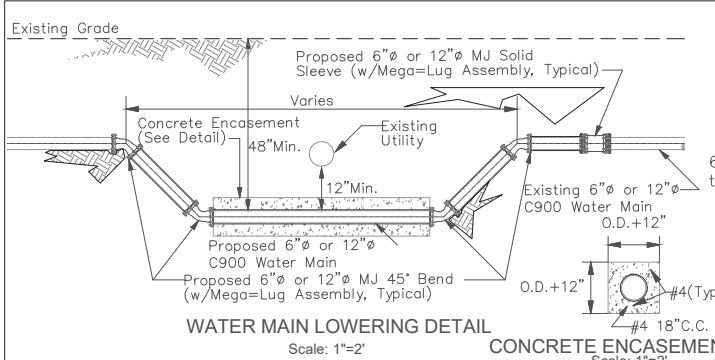
Jesik
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Pueblo, Colorado 81003
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DATE
3/13/24

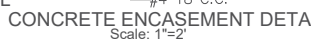
SCALE
HORZ : 1"=40'
VERT : -

SHEET
U-1

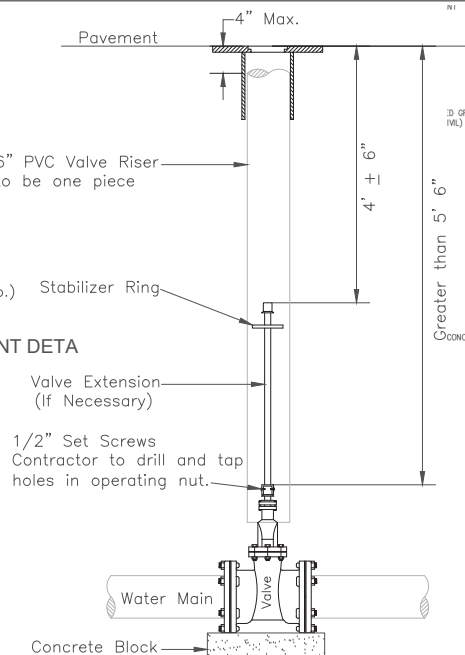
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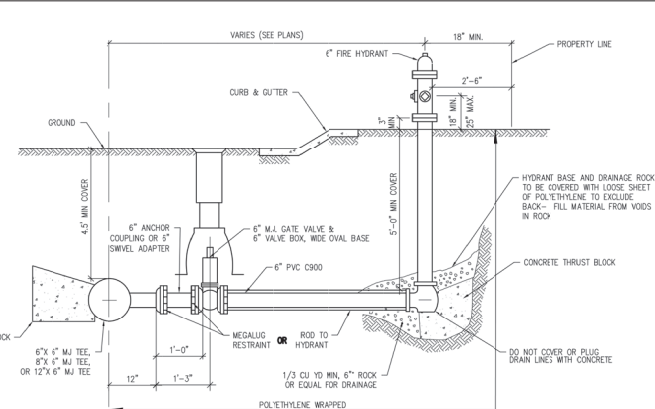
WATER MAIN LOWERING DETAIL
Scale: 1"=2'



CONCRETE ENCASEMENT DETAIL
Scale: 1"=2'



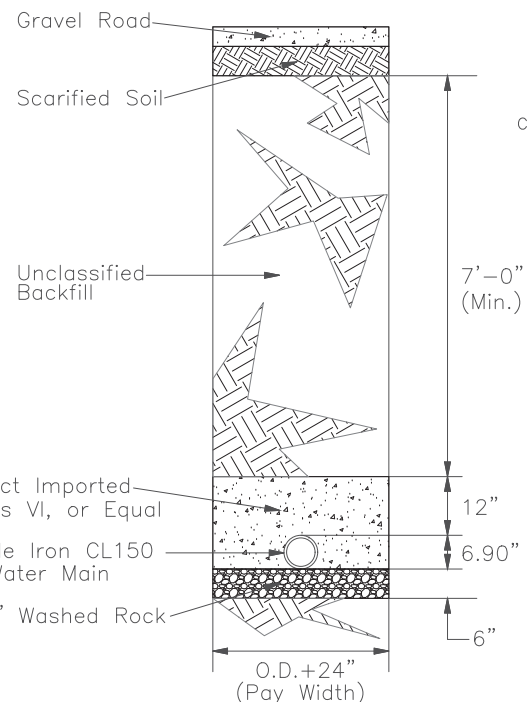
Valve Installation Detail
NOT TO SCALE



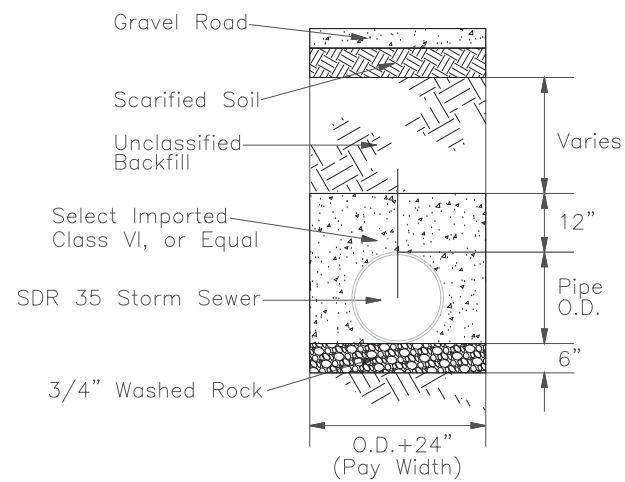
Fire Hydrant Assembly Detail
Not to Scale



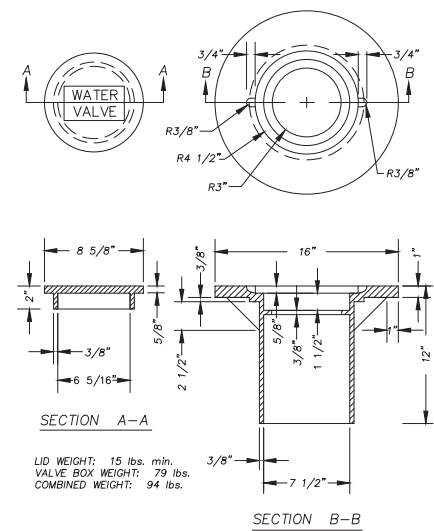
3/18/2024



Potable Water Main Trench Detail
Scale: 1"=1'-0"

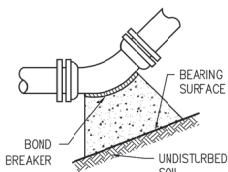


Storm Sewer Main Trench Detail
Scale: 1"=1'-0"

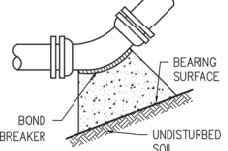


Valve Box Lid Detail
NOT TO SCALE

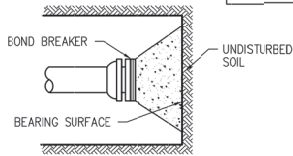
2/5/24	1	2	3	4	NO. REVISION	APPYD DATE
Util Xing						
Lucy Lane						Details
DESIGNED BY	KAY	DRAWN BY	KAY/GH	CHECKED BY	JAJ	PROJECT NUMBER
						23-9538
800 W. 8th Street Pueblo, Colorado 81003 (719) 582-5588 WWW.JESIK.US						
DATE	11/10/23					
SCALE	HORZ : As Shown VERT : --					
SHEET	D-1					
SHEET	OF					



UPWARD BEND

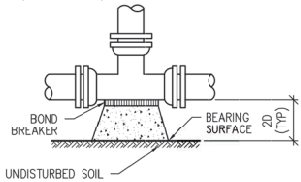


DOWNWARD BEND

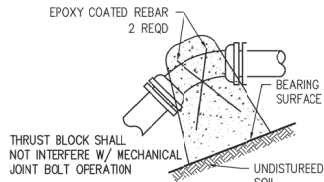


DEAD END

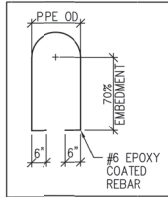
11-1/4', 22-1/2', 45° & 90° BENDS



TEE



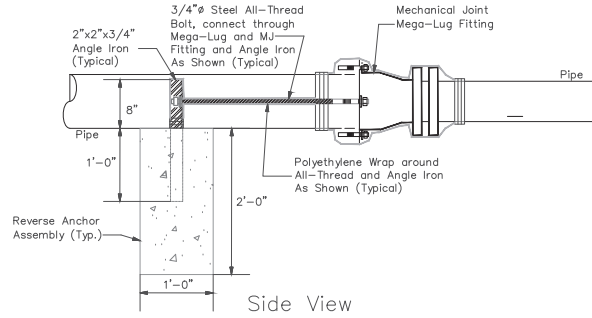
THRUST BLOCK SHALL NOT INTERFERE W/ MECHANICAL JOINT BOLT OPERATION



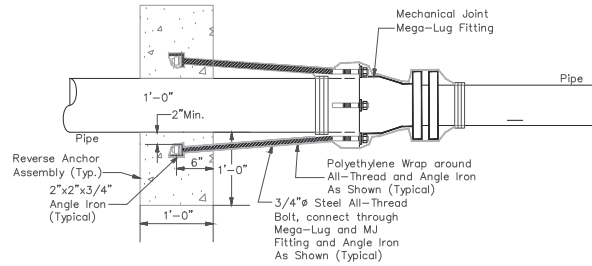
TYPICAL CROSS SECTION

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

MINIMUM BEARING SURFACE AREA (IN SQUARE FEET)



Side View



Plan View

REVERSE ANCHOR ASSEMBLY DETAIL

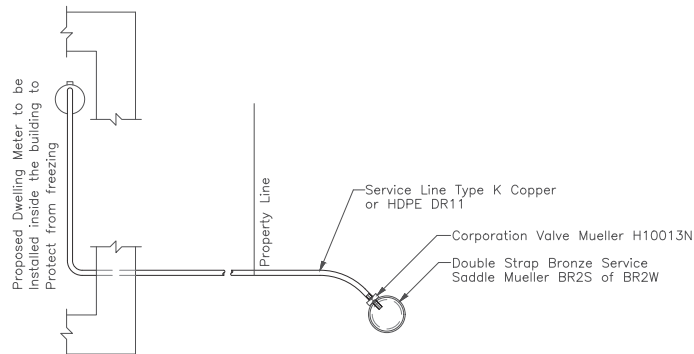
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3/18/2024

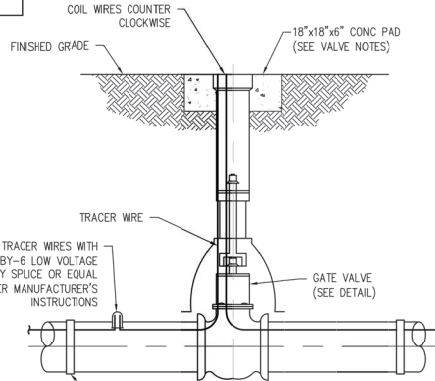
NOTES:

1. BEARING SURFACES SHOWN IN CHART ARE MINIMUM SQUARE FEET
2. BASED ON 150 PSI INTERNAL PIPE PRESSURE PLUS WATER HAMMER.
3. 4", 6", 8", & 12" WATER HAMMER = 110 PSI
4. BASED ON 3000psi SOIL BEARING CAPACITY
5. USE TYPE II PORTLAND CEMENT 3000 PSI CONCRETE
6. ALL VALVES, TEES, BENDS AND PLUGS SHALL BE RESTRAINED AND THRUST BLOCKED



Service Tap/Meter Installation Detail

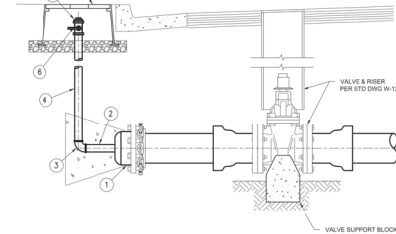
Not to Scale



INSTALLATION AT VALVE

TRACER WIRE INSTALLATION AND TEST STATION DETAIL

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



- NOTES:**
1. METER BOX FOR BALL VALVE TO BE LOCATED ADJACENT TO AND BEHIND CURB, UNLESS OTHERWISE NOTED ON PLANS.
 2. IF ENLARGED METER IS IN 3" PRESS. 1" INS INLL. 2" BRASS PIPE LEVEL 1" BEHIND CURB. USE ADDITIONAL 2" OF BRASS ELBOW.
 3. WHEN BLOW-OFF IS LOCATED BEHIND A ROLLED CURB & GUTTER, OR WHERE NO CURB EXISTS USE TRAFFIC STYLE BOX AND LID.

ITEM	DESCRIPTION
(1)	MINI 2 1/2" TAPES END CAP
(2)	2" BRASS NIPPLE
(3)	2" 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							
3							
4							
NO.	REVISION						APPYD DATE

Lucy Lane
Details

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DRAWN BY	KAY/GH
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PROJECT NUMBER	23-9538

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

DATE
1/31/23

SCALE
HORZ : As Shown
VERT : -

SHEET
D-2
SHEET OF

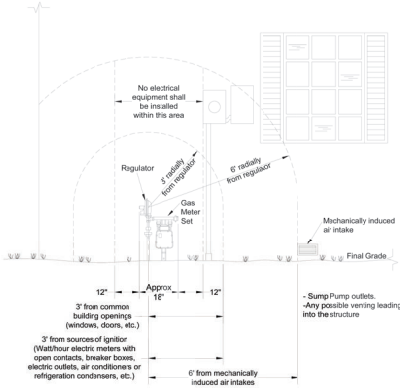
SERVICE INSTALL REQUIREMENTS

Natural Gas and Electric Residential Service

Natural gas meters and regulators should be at least three feet (measured radially) from any source of ignition, such as electric switches and air-conditioning units. You must also maintain the 3-foot distance from doors, windows, vents and air intakes (6 feet from a mechanically induced air intake), outside water spigots and garage doors. In areas where city water is not available, the natural gas service line must be a minimum of 15 feet from a water well. Xcel Energy sets meters about six inches above final grade to allow slight changes in grade and landscaping around the meter without interfering with meter mechanisms. Note: Meters cannot be set under a deck or steps. The electric meter must be installed according to all electrical codes and applicable regulations. For joint trenching, both the natural gas and electric meter are preferred to be on the same side of the house.

DRAWING CR-10

CLEARANCE REQUIREMENTS FROM GAS METER



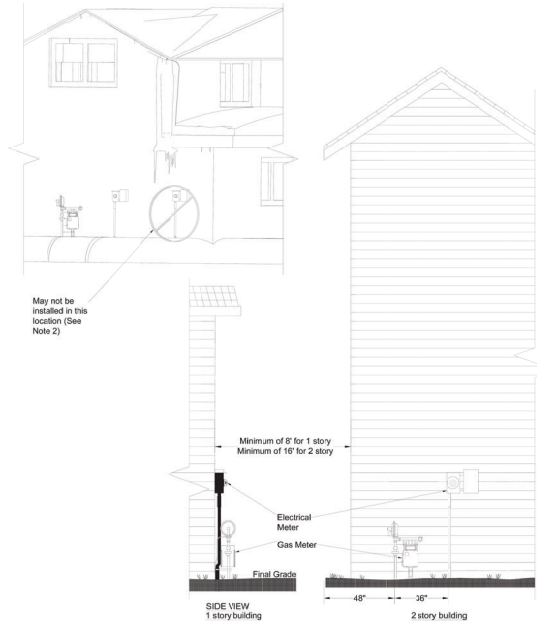
- NOTES:
1. 3' minimum working clearance from non-electrical obstructions is preferred around gas meter set.
 2. Disregard clearances when measuring around corners of structures.
 3. See Sections 4.2.1(4), 4.3.1(3), and drawings SC-20, SC-20A, and SC-30B for ice and snow shield requirements.
 4. Plastic gas services and electric services can be installed in the same joint trench; steel gas services are prohibited from joint trench installation with electric services. Also, gas and electric services shall have a minimum of 12" spacing, whether they are in the same trench or not.

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

Gas Service Meter Installation Detail 1
Not to Scale

DRAWING SC-20B

HEAVY SNOWFALL AND ICE LOADING METER REQUIREMENTS OF MI AND CO COUNTIES: EAGLE, LAKE, PARK, AND SUMMIT



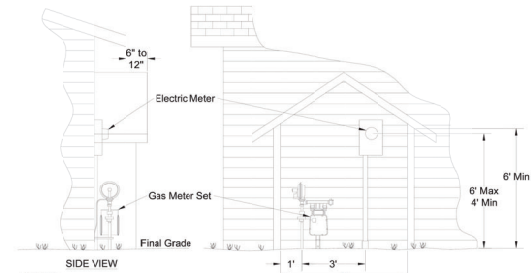
- NOTES:
1. Customers of MI and CO counties: Eagle, Lake Park, and Summit must comply with this page
 2. There may be no adjacent drip side rooflines within 8' of meters for 1 story buildings and within 16' of 2 story buildings. Meters on the same building under the gable or non-drip side must be a minimum of 4' from the drip line.
 3. Meters will not be set until the location is adequate and approved by Xcel Energy.
 4. If installation of meters on the gable or non-drip side of the structure is impractical then the meter may be installed in a remote location with prior approval from meter dept needed for obtaining location for a remote set. For examples see SC-50, SC-70, or SC-80.
 5. Meters in locations with heavy snowfall, ice loading or in locations above 6,000 feet elevation shall be located on the gable or non-drip side of a building or structure.

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

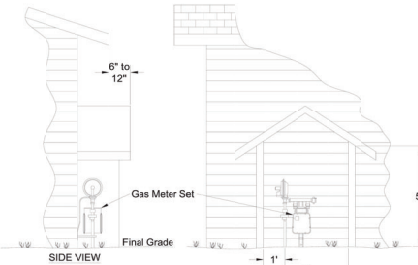
Gas Service Meter Installation Detail 3
Not to Scale

DRAWING SC-20A

METER ICE AND SNOW SHIELD (Ho: Sequence Installation Shown)



- NOTES:
1. Required meter protection will consist of walls and gable roof which are structurally part of the building.
 2. Walls will be 6' high and 6' apart.
 3. Gable roof will extend a minimum of 6" beyond drip line (preferably 12").
 4. Meters will not be set until meter protection is in place and approved by Xcel Energy.
 5. Not allowed in the following MI and CO counties: Eagle, Lake, Park, and Summit.



- NOTES:
1. Required meter protection will consist of walls and gable roof which are structurally part of the building.
 2. Walls will be 5' high and 4' apart.
 3. Gable roof will extend a minimum of 6" beyond drip line (preferably 12").
 4. Meters will not be set until meter protection is in place and approved by Xcel Energy.
 5. Not allowed in the following MI and CO counties: Eagle, Lake, Park, and Summit.

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

Gas Service Meter Installation Detail 2
Not to Scale

1	2	3	4	NO. REVISION	APPYD DATE
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Lucy Lane

Details

DESIGNED BY	KAY
DRAWN BY	KAY/GH
CHECKED BY	JAJ
PROJECT NUMBER	23-9538



DATE
2/14/24

SCALE
HORZ : As Shown

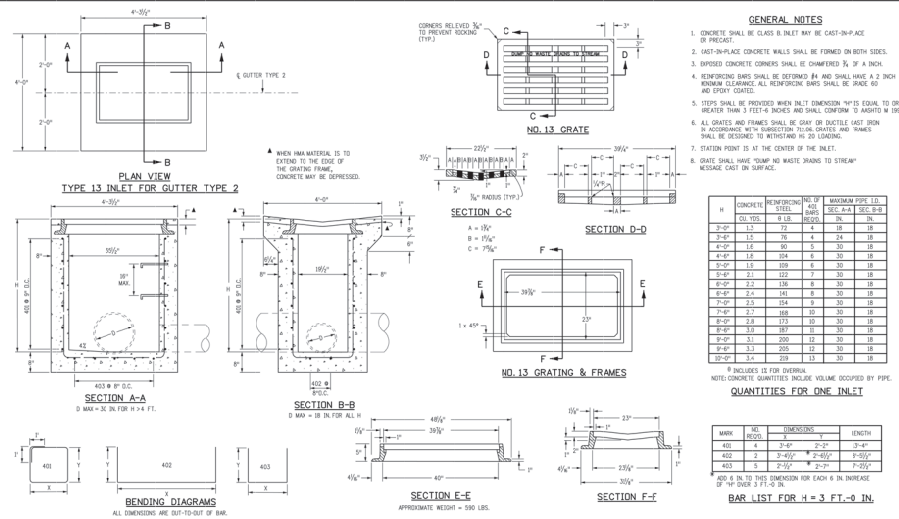
VERT : -

SHEET
D-3

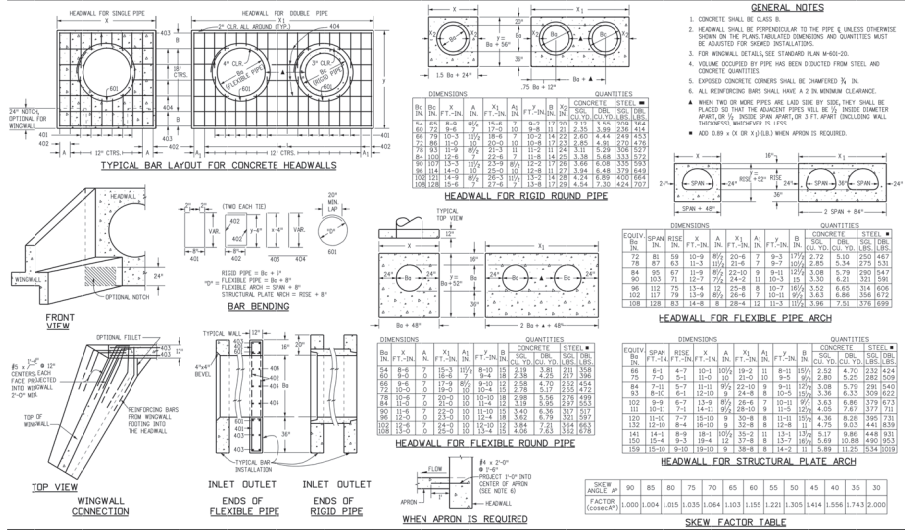
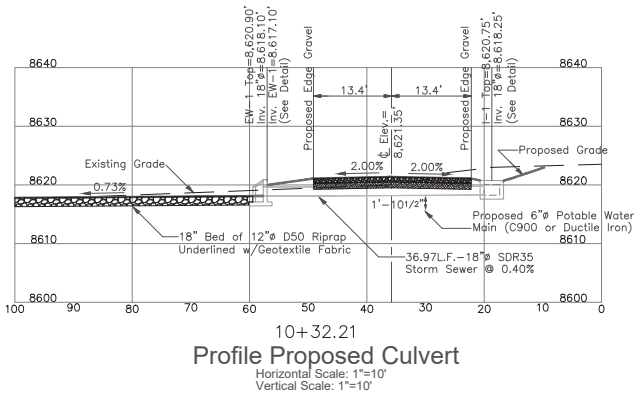
SHEET OF



3/18/2024



CDOT Type 13 Inlet Detail
Not to Scale



CDOT D-W Headwall/Endwall Detail
Not to Scale

NO.	REVISION	DATE
1		
2		
3		
4		

Lucy Lane

DESIGNED BY	KAY
DRAWN BY	KAY/GH
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800 W. 8th Street
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(719) 582-5588
WWW.JESIK.US

DATE
3/18/24

SCALE
HORZ : As Shown
VERT : -

SHEET
D-4

SHEET OF



3/18/2024