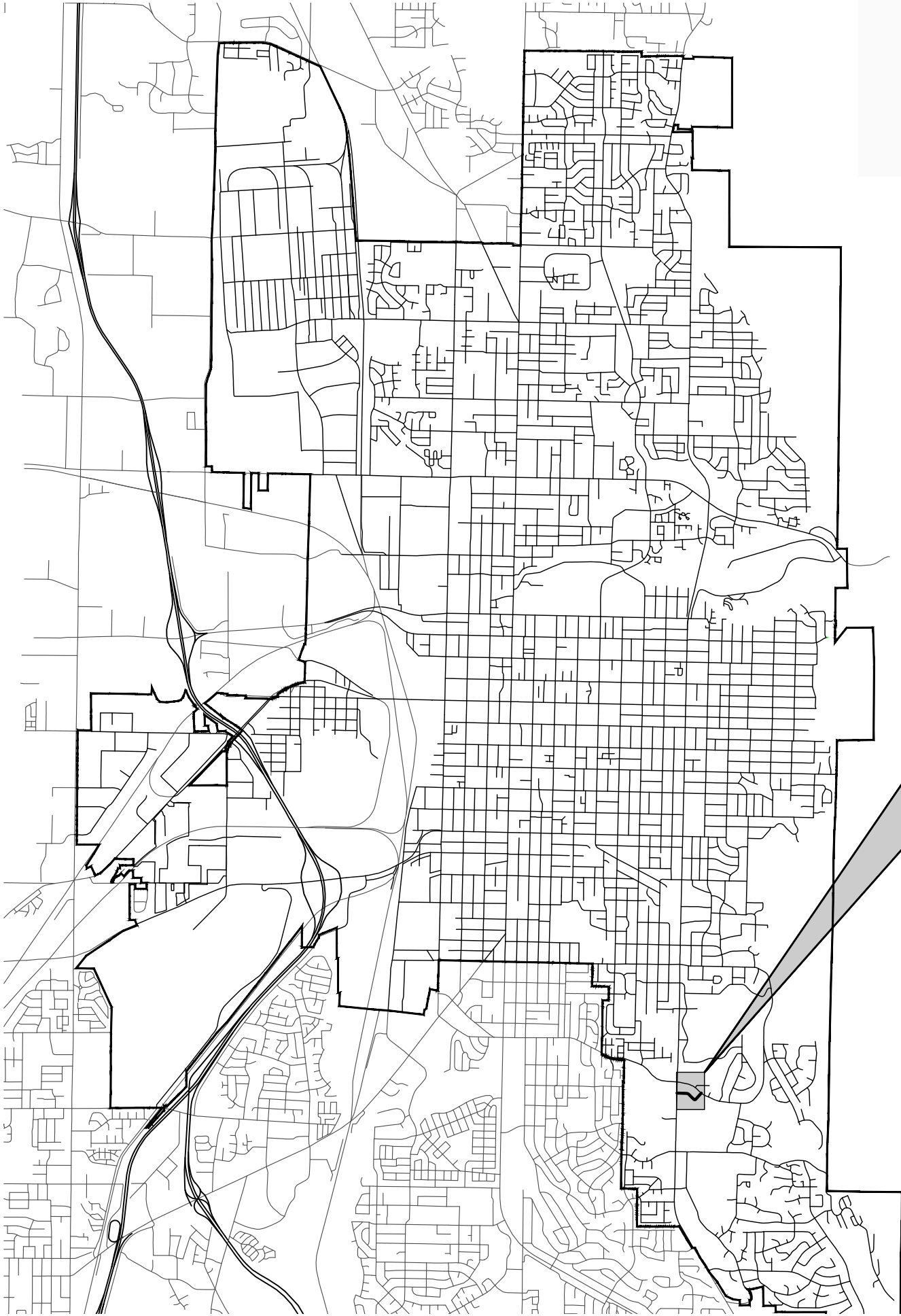


# OGDEN CITY ENGINEERING

## 4275 S WATER MAIN REPLACEMENT



**PROJECT AREA: 4275 S 1325 E, OGDEN,  
UTAH, 84403**



## SHEET INDEX

1	C01	COVER SHEET
2	SC1	SURVEY CONTROL & SHEET REFERENCE
3	W1	PLAN & PROFILE STA: 0+00-3+00
4	W2	PLAN & PROFILE STA: 3+00-7+00
5	W3	PLAN & PROFILE STA: 7+00-10+36
6	D1	DETAILS
7	D2	DETAILS
8	D3	DETAILS

DESIGNED ▶	BKW	DATE
DRAWN ▶	BKW	12/18/2025
CHECKED ▶	BJM	



# COVER SHEET

**4275 S WATERLINE REPLACEMENT**  
4275 S 1325 E

DRAWING NAME: 4275 S Titlesheet.dwg



2549 Washington Blvd, Suite 760 Ogden, UT 84401  
Phone: 801-629-8980 [engineering.ogdency.com](http://engineering.ogdency.com)

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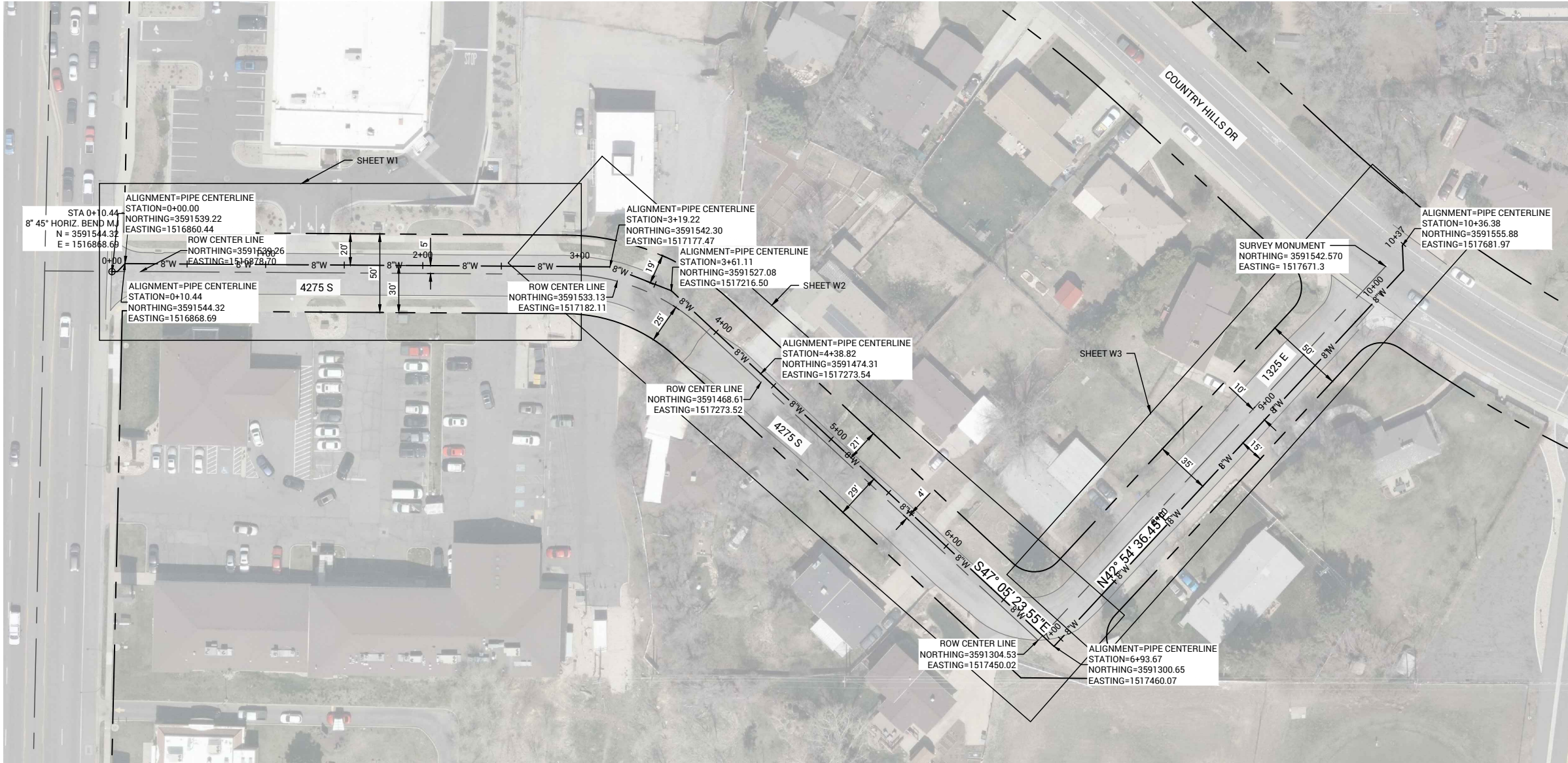
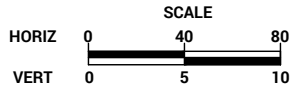
SHEET

**O**

REVISION

NOTES:

1. THE HORIZONTAL DATUM TO BE USED IS THE NAD 83 STATE PLANE UTAH NORTH ZONE GRID
2. THE VERTICAL DATUM TO BE USED IS NAVD 88 USING GEOID 12A
3. WATER MAIN ALIGNMENTS SHALL BE PARALLEL TO THE OGDEN CITY RIGHT OF WAY LINES
4. COORDINATE SETTING ALL MONUMENTS FOR THE PROJECT WITH THE CITY SURVEYOR STEVE PORTER 801-629-8979



SC1

SHEET 2

0

REVISION

REV	DATE	DESCRIPTION
0	MM/DD/YY	DESCRIPTION

PROFESSIONAL ENGINEER

No. 9600042-2303

BRADLEY J. JENSEN

12/18/2025

STATE OF UTAH

DESIGNED

DATE

12/18/2025

BKW

BKM

DRAWN

CHECKED

DRAWING SCALE

H: 1" = 40' (22x34)

V: 1" = 80' (11x17)

V: 1" = 5' (22x34)

V: 1" = 10' (11x17)

This bar measures on the original drawing

SURVEY CONTROL & SHEET REFERENCES

4275 S WATER MAIN REPLACEMENT

4275 S 1325 E

Ogden UTAH

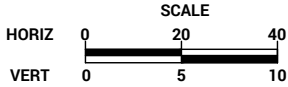
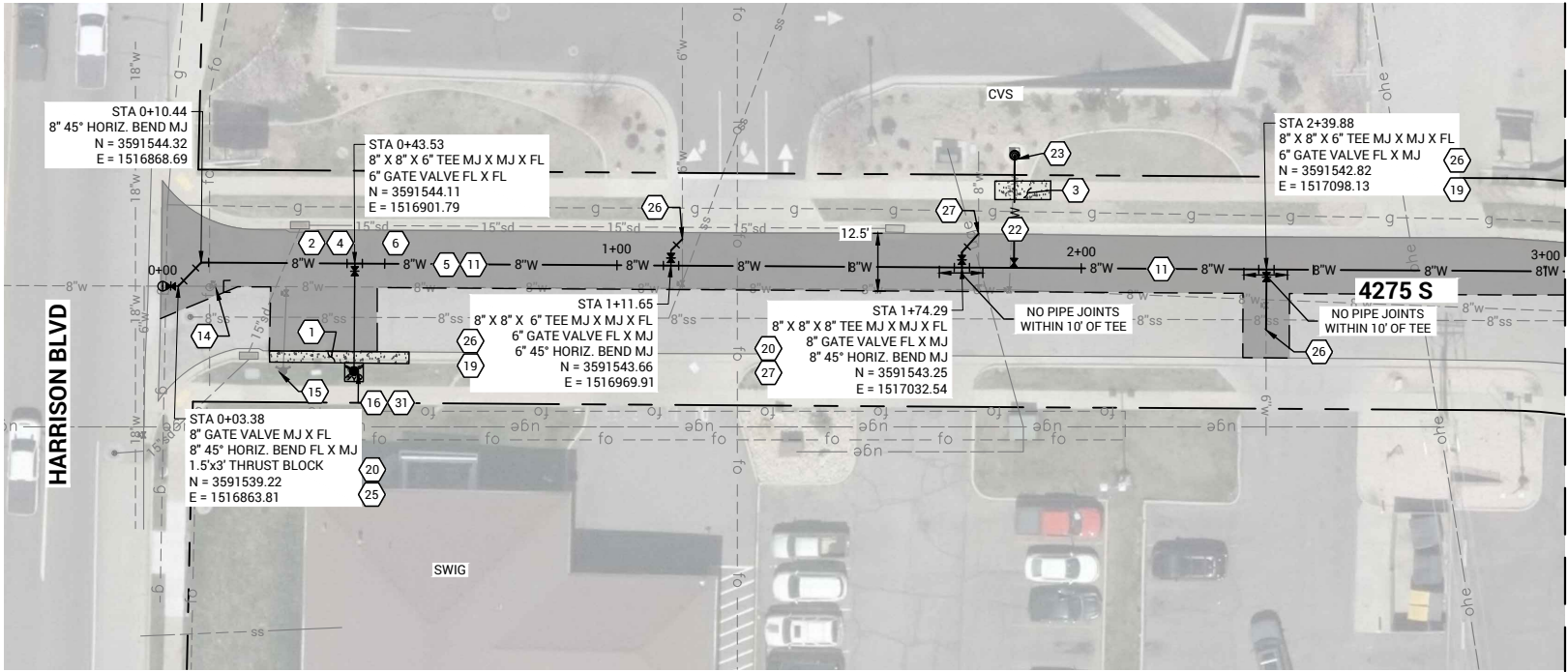
Still Untamed™

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Phone: 801-629-8980 engineering.ogdencity.com

DRAWING NAME: 4275 S W Sheets BW.dwg

PLOT DATE: 12/18/2025 4:56 PM



KEYED NOTES:

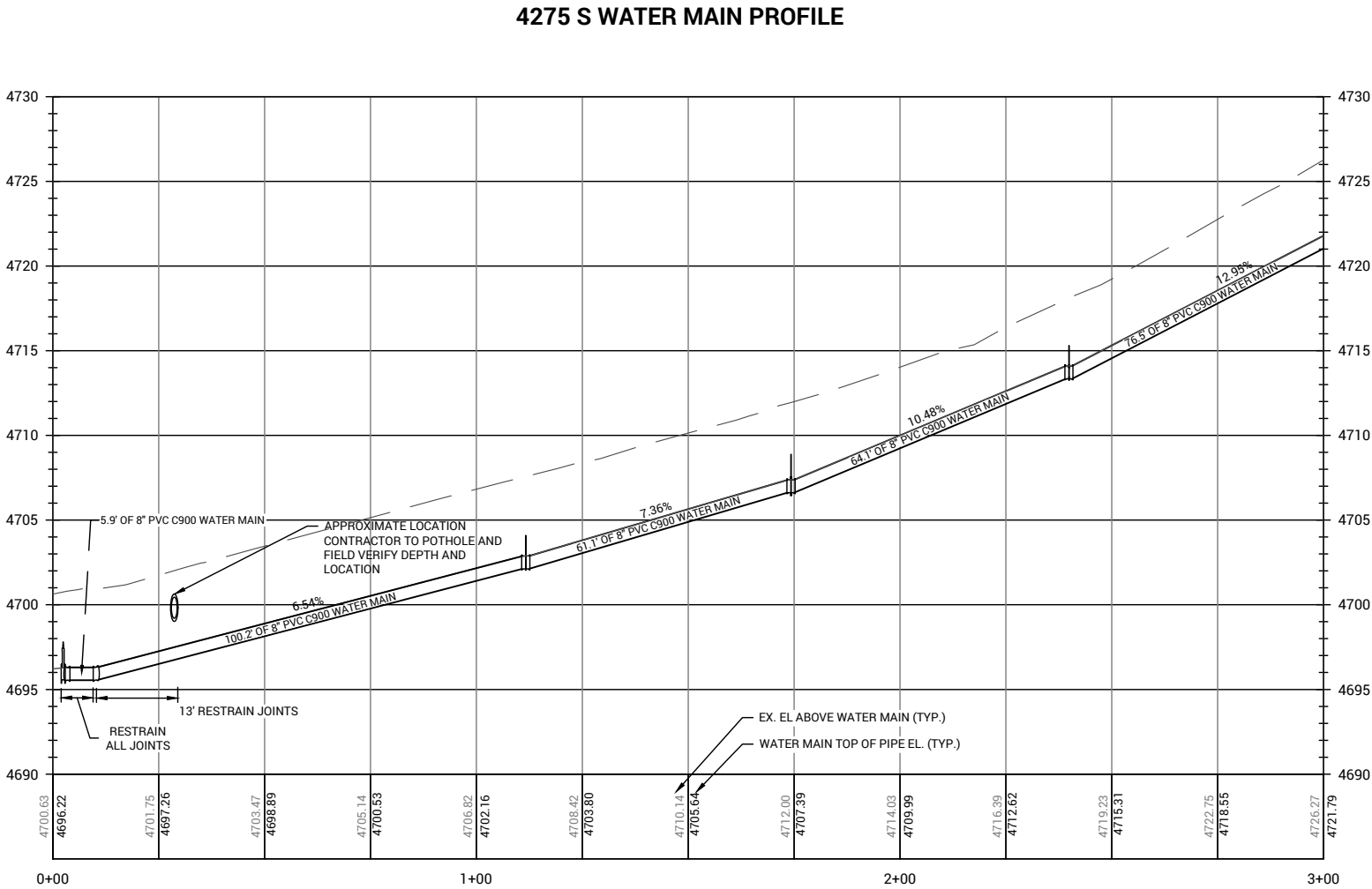
- 1 REMOVE AND REPLACE 30", OGDEN CITY TYPE "A" CONCRETE CURB AND GUTTER PER OGDEN STANDARDS
- 2 REMOVE ASPHALT PAVEMENT
- 3 REMOVE AND REPLACE 4" CONCRETE FLATWORK
- 4 ROADBASE APWA (GRADE 1", 8" THICK) PER STD DWG RD-3)
- 5 3" MINUS GRANULAR IMPORT BORROW (WATER MAIN BACKFILL)
- 6 HMA T-PATCH PG 58-28 SP-1/2" CLASS II INSTALLATION, MATCH EXISTING +1", PER STD DWG RD-3. ENGINEER TO CONFIRM AND APPROVE MAXIMUM EXTENTS IN THE FIELD.
- 7 DEMO EXISTING WATERWAY AND INSTALL NEW 6' WATERWAY PER STD DWG RD-6
- 8 REMOVE AND REPLACE 6" CONCRETE FLATWORK
- 9 INSTALL 2FT BY 4FT ADA TACTILE PAD COLOR GRAY
- 10 CLEAR AND GRUB AREA NEEDED TO INSTALL WATER MAIN
- 11 INSTALL 8" PVC C900 DR18 WATER MAIN (IMPORT SAND BEDDING) PER OGDEN CITY STANDARDS
- 12 INSTALL 4" PVC C900 DR18 WATER MAIN (IMPORT SAND BEDDING) PER OGDEN CITY STANDARDS
- 13 REMOVE OLD CONNECTION AND INSTALL MJ PLUG ON VALVE
- 14 REMOVE VALVE BOX
- 15 REMOVE FIRE HYDRANT (INCLUDES ANY FOOT VALVES AND HYDRANT SHOE)
- 16 INSTALL FIRE HYDRANT ASSEMBLY PER STD DWG W-1A AND W-1B
- 17 8" TAP ON EXISTING 12" SHOT COATED STEEL LINE
- 18 4" GATE VALVE AND VALVE BOX (CLASS 250) PER STD DWG W-12
- 19 6" GATE VALVE AND VALVE BOX (CLASS 250) PER STD DWG W-12
- 20 8" GATE VALVE AND VALVE BOX (CLASS 250) PER STD DWG W-12
- 21 1" AWWA C901 SERVICE LINE (CTS POLY)
- 22 2" AWWA C901 SERVICE LINE (CTS POLY)
- 23 2" WATER METER ASSEMBLY (NEW SETTER ASSEMBLY) AND TAP (USE EXISTING VAULT AND METER) PER STD DWG W-4
- 24 INSTALL 1" WATER METER ASSEMBLY AND TAP
- 25 CONNECT TO EXISTING WATER MAIN
- 26 CONNECT TO 6" EXISTING WATER LATERAL
- 27 CONNECT TO 8" EXISTING WATER LATERAL
- 31 INSTALL 4' X 4' CONCRETE PAD

NOTES:

1. THE PROPOSED WATER MAIN SHALL HAVE NO LOCKING GASKETS FOR PIPE JOINT RESTRAINTS.
2. USE ALL IMPORT BACKFILL (3" MINUS A-1-a CRUSHED) & IMPORT PIPE BEDDING SAND FOR WATER MAIN.
3. ALL 1" TAPS (AND MATERIALS) TO BE PROVIDED BY CONTRACTOR. ALL 2" TAPS ARE TO BE PERFORMED BY OGDEN CITY WATER CREWS.
4. TRACER WIRE TO BE INSTALLED WITH ALL WATER MAIN, SERVICES, AND HYDRANTS. INSTALL GROUNDING RODS AT ALL WATER MAIN POINTS OF CONNECTION AND AT ALL HYDRANTS.
5. CONFIRM AVAILABILITY OF ALL MATERIALS BEFORE COMMENCING EXCAVATION.
6. SMALL PIECES OF PIPE BETWEEN MJ FITTINGS FOR CONNECTION SHALL BE DUCTILE IRON PIPE.
7. FOLLOW ALL 811 BLUE STAKES REQUIREMENTS PER THE 811 EXCAVATOR GUIDE AND UTAH STATE CODE.
8. ALL WORK MUST FOLLOW OGDEN CITY STANDARDS
9. 8" MAINLINE SHALL HAVE NO PIPE JOINTS WITHIN 8' OF A 8" X 8" X 6" TEE

EXISTING SERVICE INFORMATION

- 4240 HARRISON 6" DUCTILE
- 4228 HARRISON 8" DUCTILE
- 4240 HARRISON 2" METER, 2" POLY
- 4300 HARRISON 6" DUCTILE LATERAL



PLAN AND PROFILE STA: 0+00-3+00  
4275 S WATER MAIN REPLACEMENT

4275 S 1325 E



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Phone: 801-625-8980 engineering.ogdencity.com

PLOT DATE: 12/18/2025 4:56 PM

DRAWING NAME: 4275 S WSheets BkW.dwg

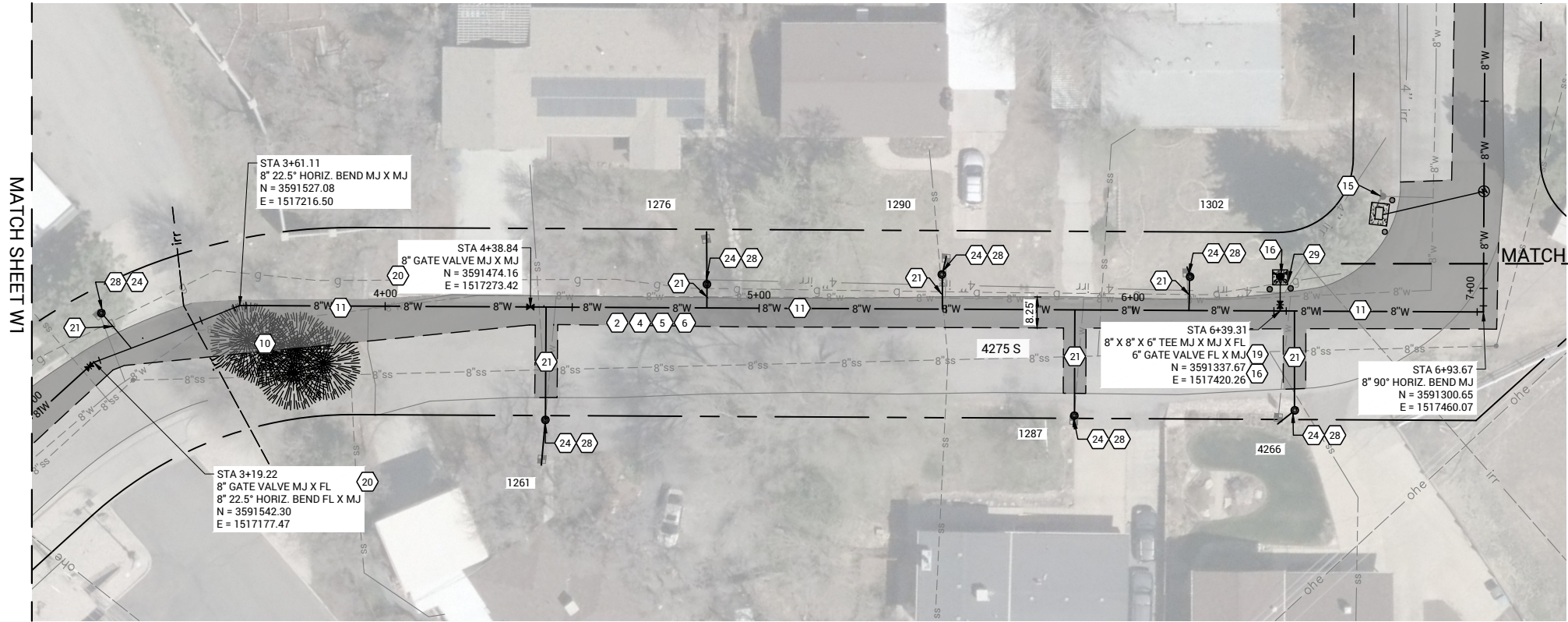
DESIGNED DATE 12/18/2025  
DRAWN BY BKM  
CHECKED BY BJM

DRAWING SCALE  
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V: 1" = 5' (22x34)  
1" = 10' (11x17)  
This bar measures  
on the original drawing

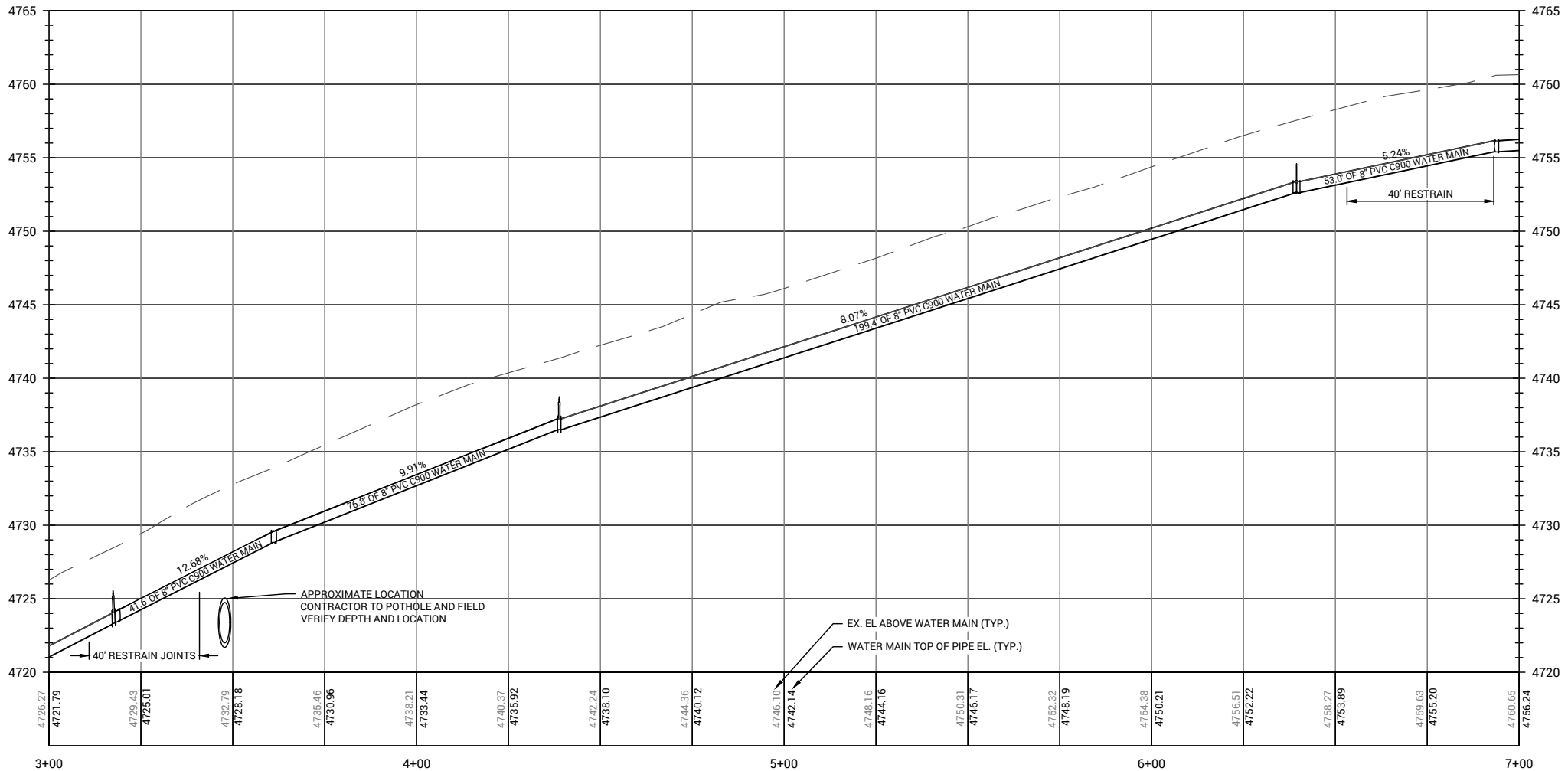


REV	DATE	DESCRIPTION
0		MUDDY DESCRIPTION

W1  
SHEET 3  
0  
REVISION

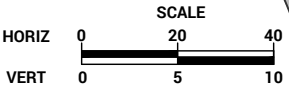


4275 S WATER MAIN PROFILE



EXISTING SERVICE INFORMATION

- 1250 E 1" COPPER, 1" METER
- 1261 E 1" COPPER, 5/8" METER
- 1276 E 1" COPPER, 5/8" METER
- 1290 E 1" UNKNOWN, 5/8" METER
- 1287 E 1" COPPER, 5/8" METER
- 1302 E 1" COPPER, 5/8" METER
- 1313 E 1" COPPER, 3/4" METER



KEYED NOTES:

- 1 REMOVE AND REPLACE 30", OGDEN CITY TYPE "A" CONCRETE CURB AND GUTTER PER OGDEN STANDARDS
- 2 REMOVE ASPHALT PAVEMENT
- 3 REMOVE AND REPLACE 4" CONCRETE FLATWORK
- 4 ROADBASE APWA (GRADE 1", 8" THICK) PER STD DWG RD-3)
- 5 3" MINUS GRANULAR IMPORT BORROW (WATER MAIN BACKFILL)
- 6 HMA T-PATCH PG 58-28 SP-1/2" CLASS II INSTALLATION, MATCH EXISTING +1", PER STD DWG RD-3. ENGINEER TO CONFIRM AND APPROVE MAXIMUM EXTENTS IN THE FIELD.
- 7 DEMO EXISTING WATERWAY AND INSTALL NEW 6" WATERWAY PER STD DWG RD-6
- 8 REMOVE AND REPLACE 6" CONCRETE FLATWORK
- 9 INSTALL 2FT BY 4FT ADA TACTILE PAD COLOR GRAY
- 10 CLEAR AND GRUB AREA NEEDED TO INSTALL WATER MAIN
- 11 INSTALL 8" PVC C900 DR18 WATER MAIN (IMPORT SAND BEDDING) PER OGDEN CITY STANDARDS
- 12 INSTALL 4" PVC C900 DR18 WATER MAIN (IMPORT SAND BEDDING) PER OGDEN CITY STANDARDS
- 13 REMOVE OLD CONNECTION AND INSTALL MJ PLUG ON VALVE
- 14 REMOVE VALVE BOX
- 15 REMOVE FIRE HYDRANT (INCLUDES ANY FOOT VALVES AND HYDRANT SHOE)
- 16 INSTALL FIRE HYDRANT ASSEMBLY PER STD DWG W-1A AND W-1B
- 17 8" TAP ON EXISTING 12" SHOT COATED STEEL LINE
- 18 4" GATE VALVE AND VALVE BOX (CLASS 250) PER STD DWG W-12
- 19 6" GATE VALVE AND VALVE BOX (CLASS 250) PER STD DWG W-12
- 20 8" GATE VALVE AND VALVE BOX (CLASS 250) PER STD DWG W-12
- 21 1" AWWA C901 SERVICE LINE (CTS POLY)
- 22 2" AWWA C901 SERVICE LINE (CTS POLY)
- 23 2" WATER METER ASSEMBLY (NEW SETTER ASSEMBLY) AND TAP (USE EXISTING VAULT AND METER) PER STD DWG W-4
- 24 INSTALL 1" WATER METER ASSEMBLY AND TAP
- 25 CONNECT TO EXISTING WATER MAIN
- 26 CONNECT TO 6" EXISTING WATER LATERAL
- 27 CONNECT TO 8" EXISTING WATER LATERAL
- 28 CONNECT TO EXISTING 1" LATERAL
- 29 INSTALL 4' X 4' CONCRETE PAD AND BOLLARDS

NOTES:

1. THE PROPOSED WATER MAIN SHALL HAVE NO LOCKING GASKETS FOR PIPE JOINT RESTRAINTS.
2. USE ALL IMPORT BACKFILL (3" MINUS A-1-a CRUSHED) & IMPORT PIPE BEDDING SAND FOR WATER MAIN.
3. ALL 1" TAPS (AND MATERIALS) TO BE PROVIDED BY CONTRACTOR. ALL 2" TAPS ARE TO BE PERFORMED BY OGDEN CITY WATER CREWS.
4. TRACER WIRE TO BE INSTALLED WITH ALL WATER MAIN, SERVICES, AND HYDRANTS. INSTALL GROUNDING RODS AT ALL WATER MAIN POINTS OF CONNECTION AND AT ALL HYDRANTS.
5. CONFIRM AVAILABILITY OF ALL MATERIALS BEFORE COMMENCING EXCAVATION.
6. SMALL PIECES OF PIPE BETWEEN MJ FITTINGS FOR CONNECTION SHALL BE DUCTILE IRON PIPE.
7. FOLLOW ALL 811 BLUE STAKES REQUIREMENTS PER THE 811 EXCAVATOR GUIDE AND UTAH STATE CODE.
8. ALL WORK MUST FOLLOW OGDEN CITY STANDARDS
9. ALL WATER MAIN LINES MUST CROSS ABOVE ALL SEWER, STORM, AND IRRIGATION LINES AND MAINTAIN 18" OF VERTICAL SEPARATION.

W2

0

4

REVISION

REV. DATE DESCRIPTION



DESIGNED DATE 12/18/2025

DRAWN BY BKW

CHECKED BY BJM

DRAWING SCALE

H: 1" = 20' (22x34)

V: 1" = 40' (11x17)

1" = 5' (22x34)

1" = 10' (11x17)

This bar measures only on the original drawing

PLAN AND PROFILE STA: 3+00-7+00

4275 S WATER MAIN REPLACEMENT

4275 S 1325 E

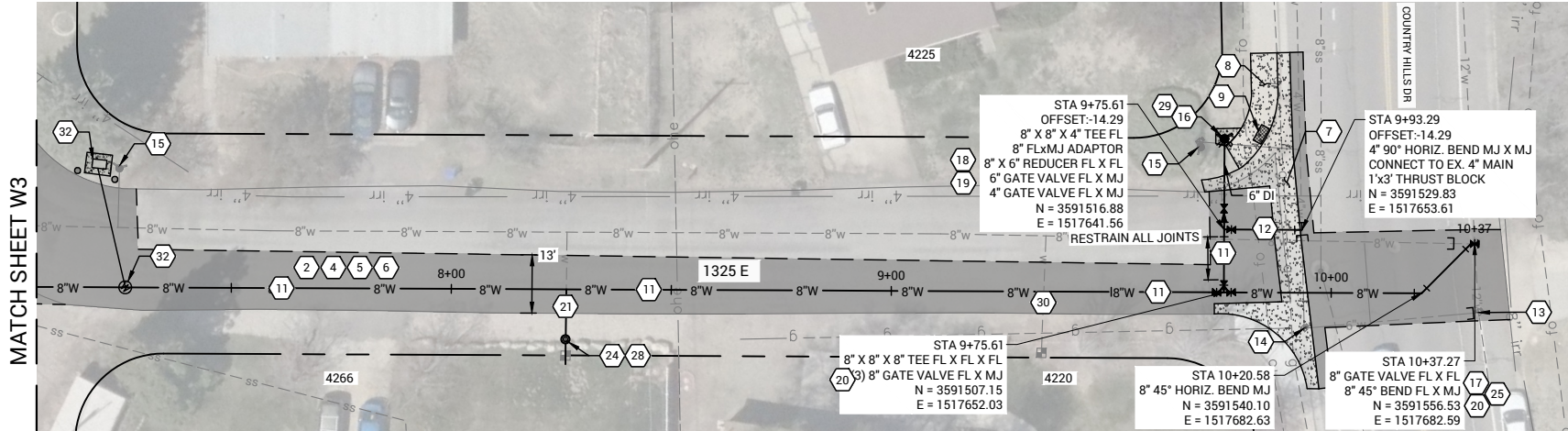
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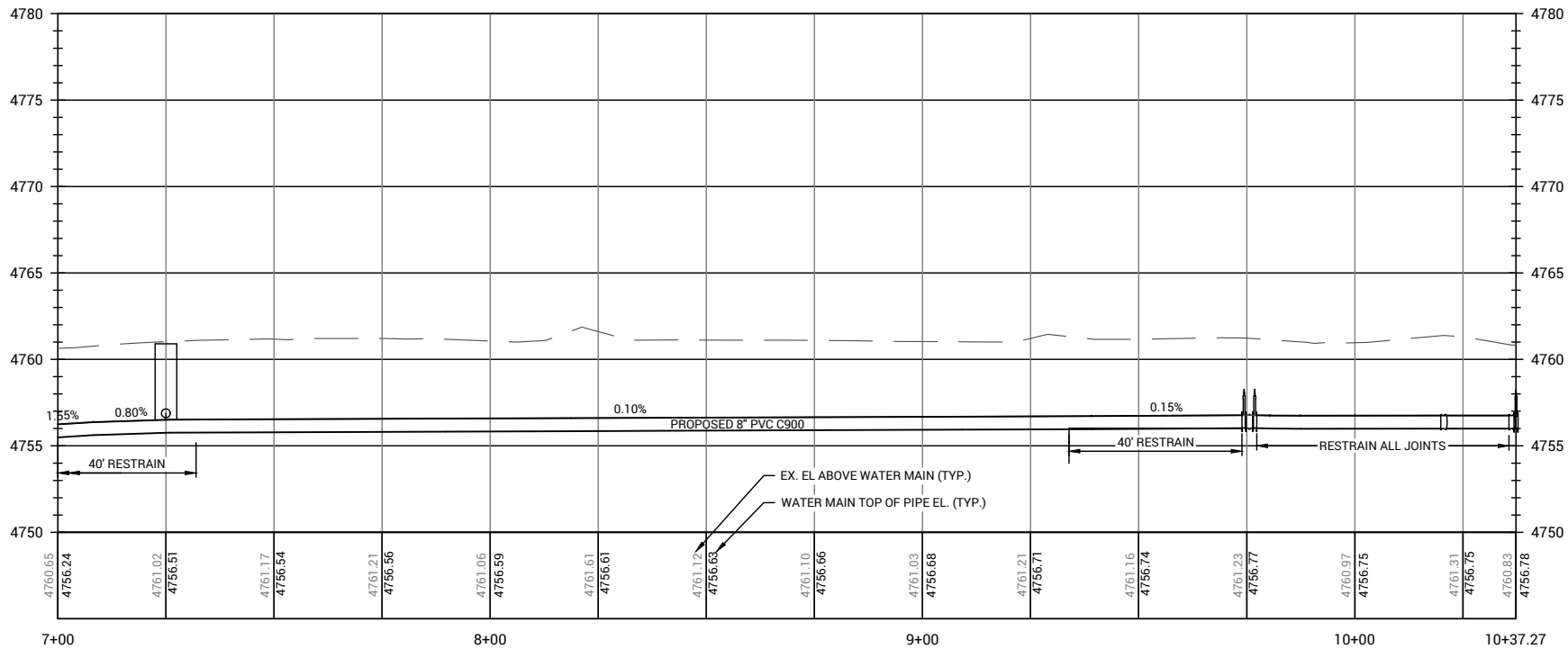


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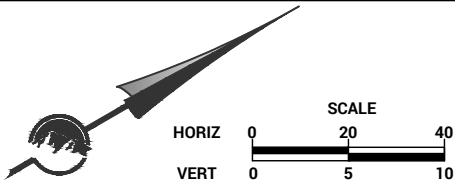


1325 E WATER MAIN PROFILE



EXISTING SERVICE INFORMATION

- 4266 S 1" COPPER, 5/8" METER
- 4220 S 1" POLY, 5/8" METER



KEYED NOTES:

- REMOVE AND REPLACE 30", OGDEN CITY TYPE "A" CONCRETE CURB AND GUTTER PER OGDEN STANDARDS
- REMOVE ASPHALT PAVEMENT
- REMOVE AND REPLACE 4" CONCRETE FLATWORK
- ROADBASE APWA (GRADE 1", 8" THICK) PER STD DWG RD-3)
- 3" MINUS GRANULAR IMPORT BORROW (WATER MAIN BACKFILL)
- HMA T-PATCH PG 58-28 SP-1/2" CLASS II INSTALLATION, MATCH EXISTING +1", PER STD DWG RD-3. ENGINEER TO CONFIRM AND APPROVE MAXIMUM EXTENTS IN THE FIELD.
- DEMO EXISTING WATERWAY AND INSTALL NEW 6" WATERWAY PER STD DWG RD-6
- REMOVE AND REPLACE 6" CONCRETE FLATWORK
- INSTALL 2FT BY 4FT ADA TACTILE PAD COLOR GRAY
- CLEAR AND GRUB AREA NEEDED TO INSTALL WATER MAIN
- INSTALL 8" PVC C900 DR18 WATER MAIN (IMPORT SAND BEDDING) PER OGDEN CITY STANDARDS
- INSTALL 4" PVC C900 DR18 WATER MAIN (IMPORT SAND BEDDING) PER OGDEN CITY STANDARDS
- REMOVE OLD VALVE AND INSTALL BLIND FLANGE
- REMOVE VALVE BOX
- REMOVE FIRE HYDRANT (INCLUDES ANY FOOT VALVES AND HYDRANT SHOE)
- INSTALL FIRE HYDRANT ASSEMBLY PER STD DWG W-1A AND W-1B
- CONNECT 8" VALVE TO EX. FLANGE, REMOVE EX. VALVE
- 4" GATE VALVE AND VALVE BOX (CLASS 250) PER STD DWG W-12
- 6" GATE VALVE AND VALVE BOX (CLASS 250) PER STD DWG W-12
- 8" GATE VALVE AND VALVE BOX (CLASS 250) PER STD DWG W-12
- 1" AWWA C901 SERVICE LINE (CTS POLY)
- 2" AWWA C901 SERVICE LINE (CTS POLY)
- 2" WATER METER ASSEMBLY (NEW SETTER ASSEMBLY) AND TAP (USE EXISTING VAULT AND METER) PER STD DWG W-4
- INSTALL 1" WATER METER ASSEMBLY AND TAP
- CONNECT TO EXISTING WATER MAIN
- CONNECT TO 6" EXISTING WATER LATERAL
- CONNECT TO 8" EXISTING WATER LATERAL
- CONNECT TO EXISTING 1" LATERAL
- INSTALL 4' X 4' CONCRETE PAD
- DISCONNECT EXISTING LATERAL FROM MAIN AND RECONNECT TO NEW MAIN LINE
- INSTALL 1" AIR COMBINATION VALVE PER STD DWG W-14A & W-14B

NOTES:

- THE PROPOSED WATER MAIN SHALL HAVE NO LOCKING GASKETS FOR PIPE JOINT RESTRAINTS.
- USE ALL IMPORT BACKFILL (3" MINUS A-1-a CRUSHED) FOR BACKFILL ABOVE THE WATER MAIN BEDDING SAND.
- ALL 1" TAPS (AND MATERIALS) TO BE PROVIDED BY CONTRACTOR. ALL 2" TAPS ARE TO BE PERFORMED BY OGDEN CITY WATER CREWS.
- TRACER WIRE TO BE INSTALLED WITH ALL WATER MAIN, SERVICES, AND HYDRANTS. INSTALL GROUNDING RODS AT ALL WATER MAIN POINTS OF CONNECTION AND AT ALL HYDRANTS.
- CONFIRM AVAILABILITY OF ALL MATERIALS BEFORE COMMENCING EXCAVATION.
- SMALL PIECES OF PIPE BETWEEN MJ FITTINGS FOR CONNECTION SHALL BE DUCTILE IRON PIPE.
- FOLLOW ALL 811 BLUE STAKES REQUIREMENTS PER THE 811 EXCAVATOR GUIDE AND UTAH STATE CODE.
- ALL WORK MUST FOLLOW OGDEN CITY STANDARDS
- ALL WATER MAIN LINES MUST CROSS ABOVE ALL SEWER, STORM, AND IRRIGATION LINES AND MAINTAIN 18" OF VERTICAL SEPARATION.

W3

SHEET 5

0

REVISION

REV	DATE	DESCRIPTION
0		MMDDYY DESCRIPTION

PROFESSIONAL ENGINEER

No. 9600042-2303

BRADLEY J. JACOBSON

12/18/2025

STATE OF UTAH

DESIGNED	DATE	BKW
▲	12/18/2025	

DRAWN	BKW	BJM
▲		

CHECKED	BJM
▲	

DRAWING SCALE

H: 1" = 20' (22x34)

V: 1" = 40' (11x17)

V: 1" = 5' (22x34)

V: 1" = 10' (11x17)

This bar measures horizontal and vertical dimensions on the original drawing.

PLAN AND PROFILE STA: 7+00-10+37

4275 S WATER MAIN REPLACEMENT

4275 S 1325 E

Ogden

UTAH

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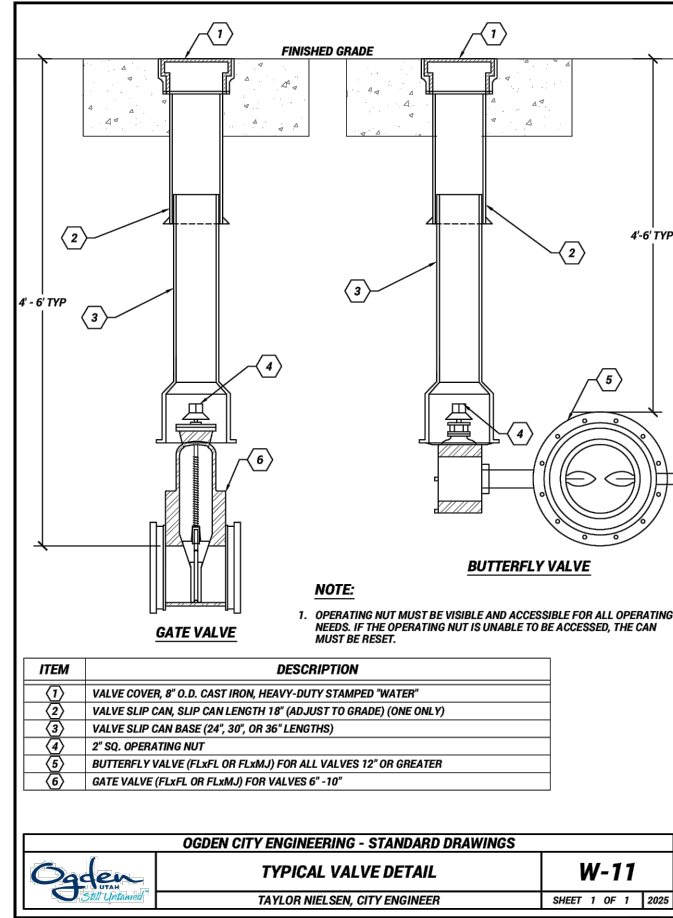
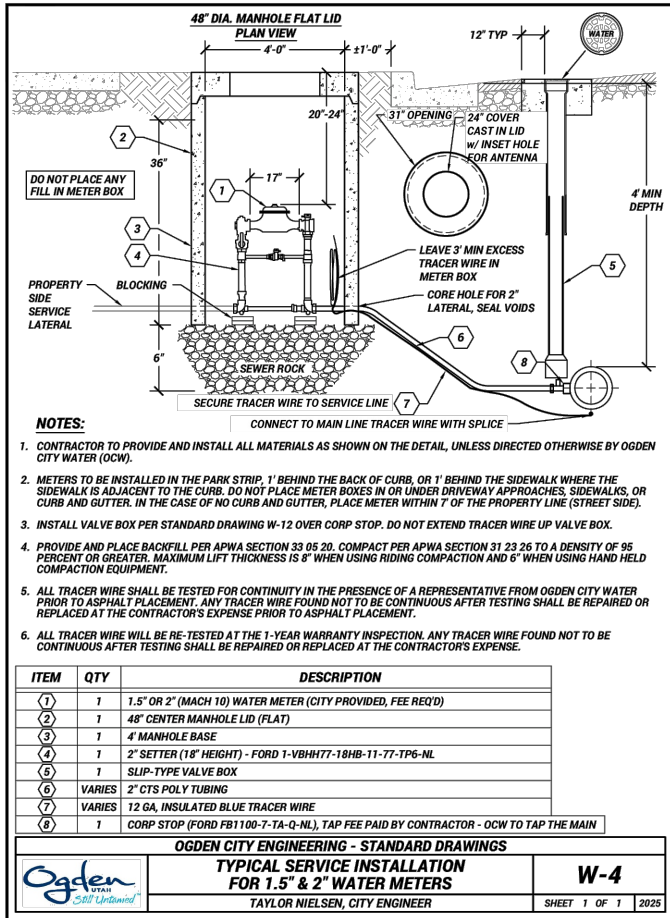
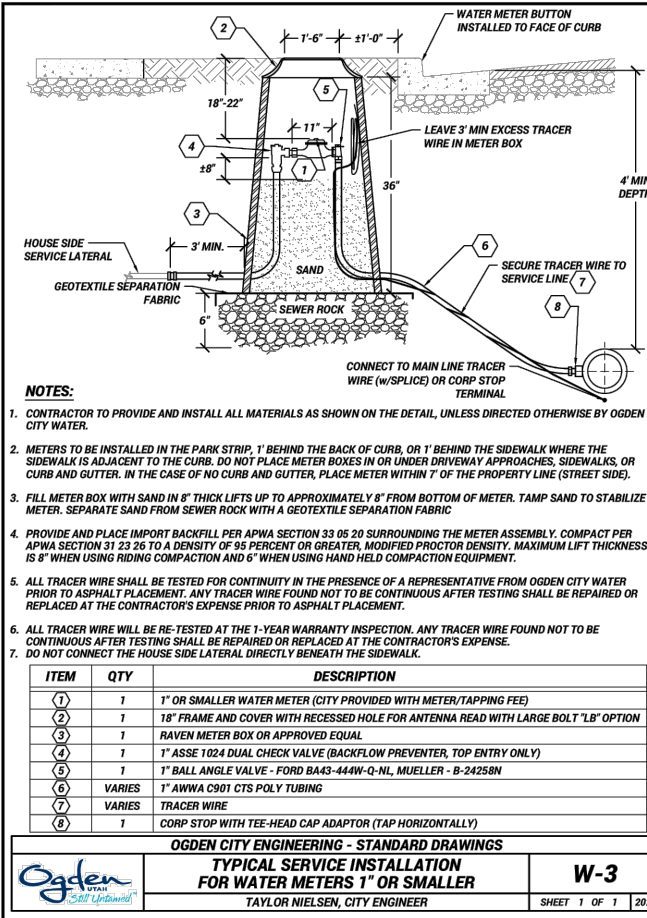
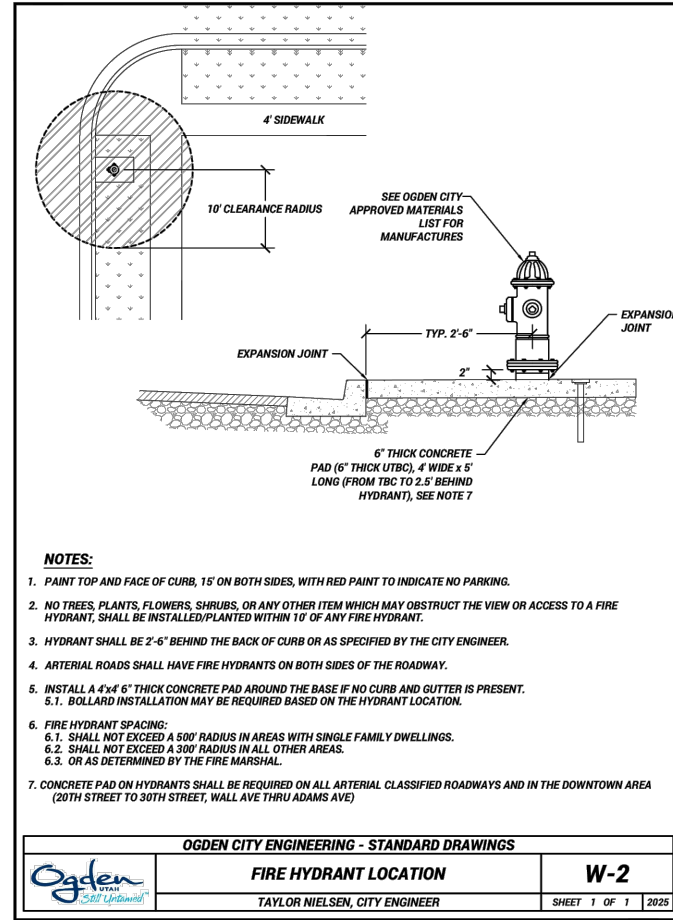
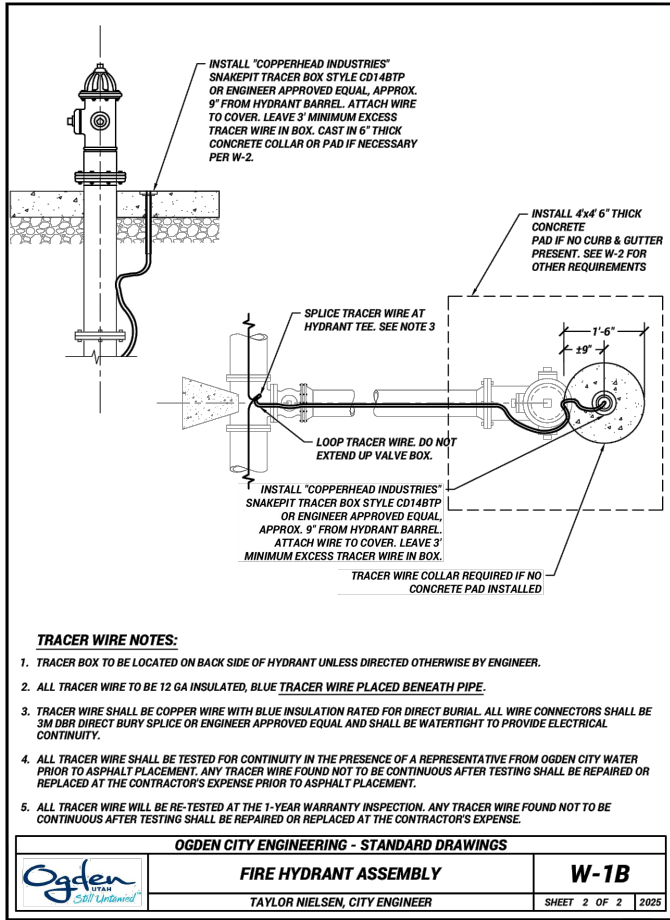
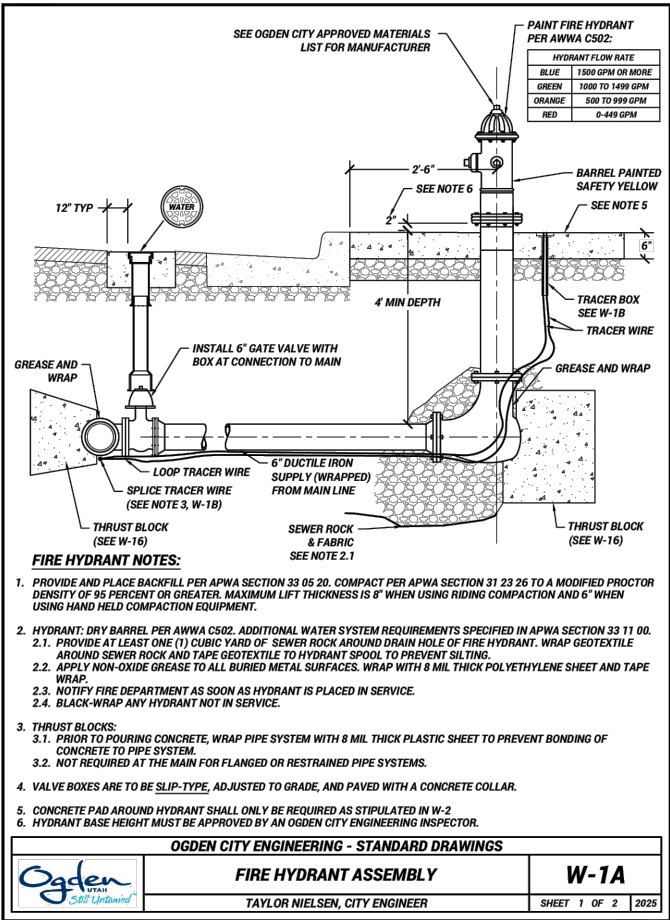
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Phone: 801-629-8980 engineering.ogden-city.com

DRAWING NAME: 4275 S WSheets BW.dwg

PLOT DATE: 12/18/2025 5:06 PM





D2

0

7

REVISION

REV	DATE	DESCRIPTION
0	MM/DD/YY	DESCRIPTION

DESIGNED

DRAWN

DATE

12/18/2025

BKW

BKM

BJM

DRAWING SCALE

H: N/A (22x34)

V: N/A (11x17)

N/A (22x34)

N/A (11x17)

This bar measures all dimensions on the original drawing

DETAILS

4275 S WATERLINE REPLACEMENT

4275 S 1325 E

2549 Washington Blvd, Suite 760

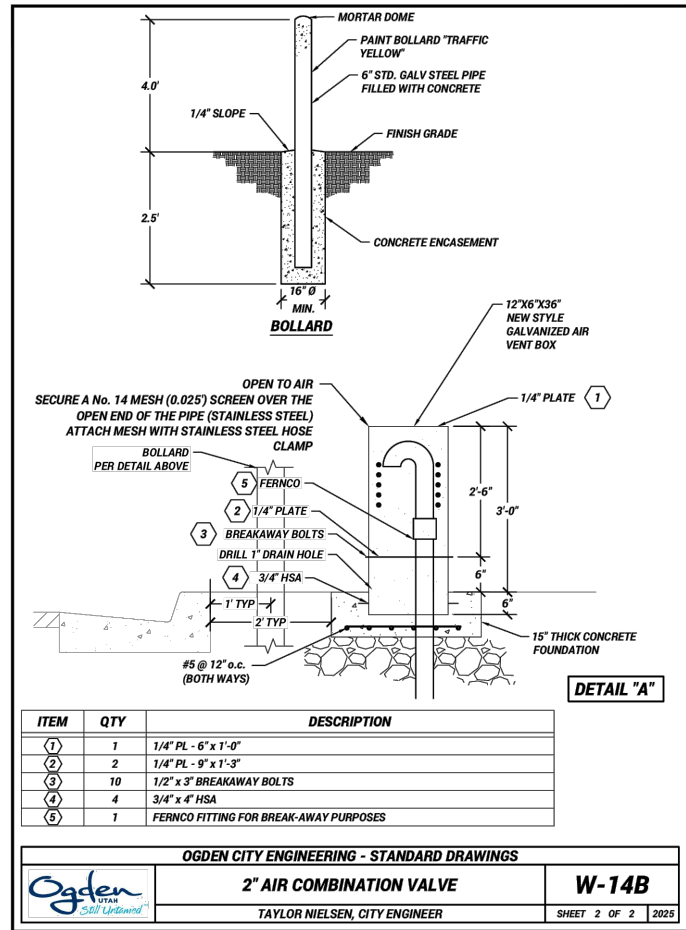
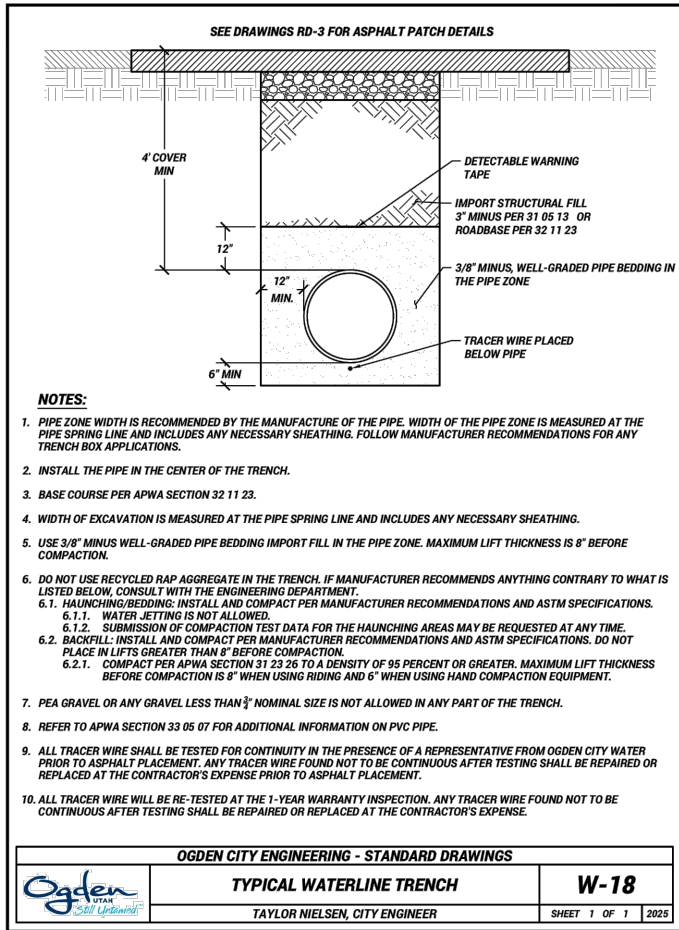
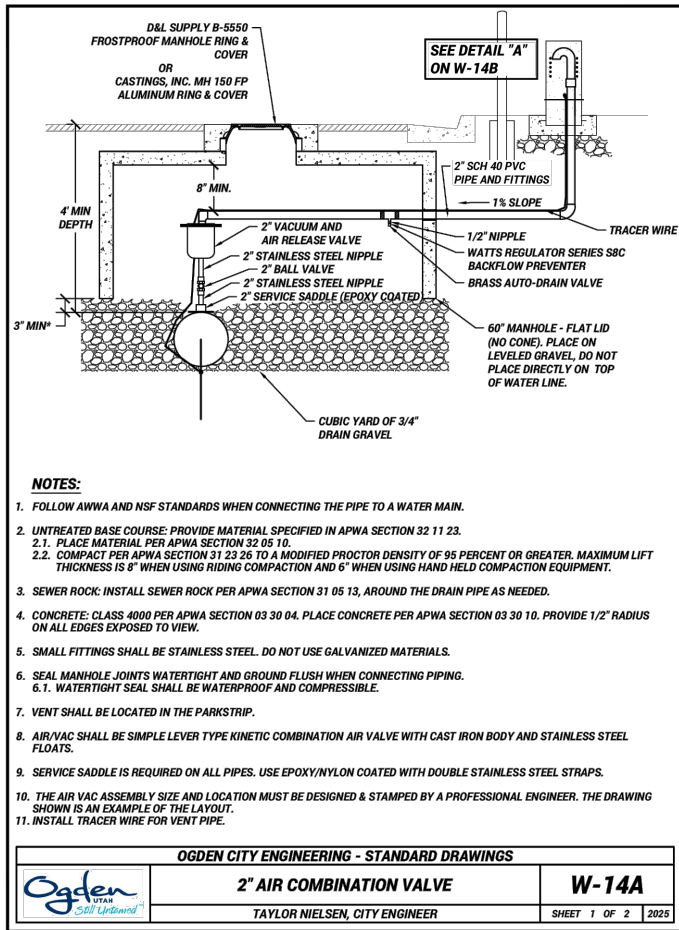
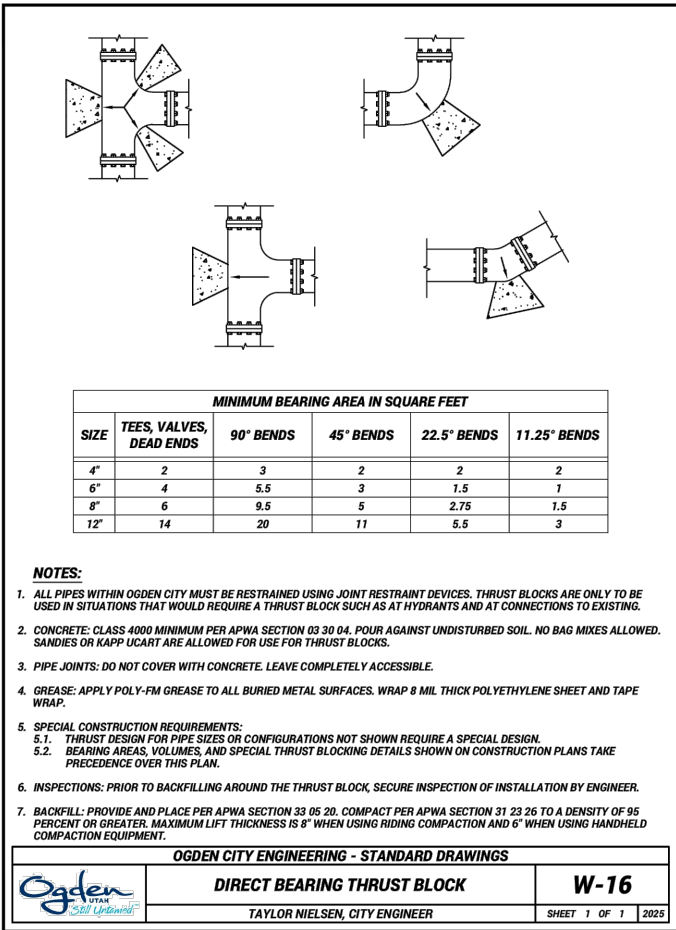
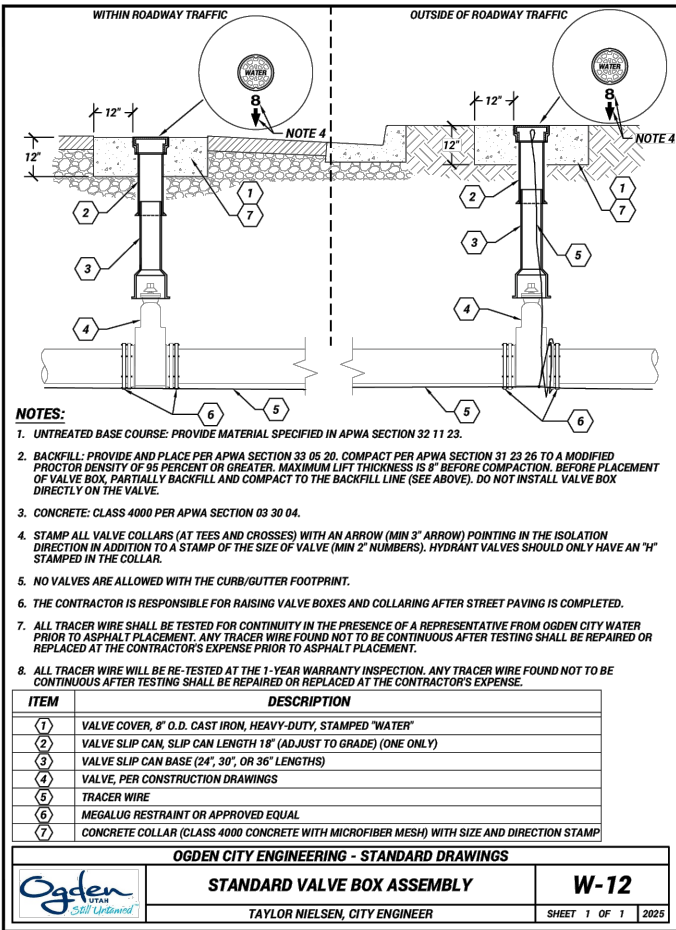
Phone: 801-625-8980

Ogden, UT 84401

engineering.ogdencity.com

DRAWING NAME: 4275 S W Sheets BW.dwg

PLOT DATE: 12/18/2025 4:56 PM



NOTE:

THE PROJECT WILL HAVE A 1" AIR COMBINATION VALVE INSTALLED. THE INSTALLATION AND MATERIALS WILL BE THE SAME AS SHOWN FOR W-14A AND W-14B EXCEPT ALL 2" PARTS WILL BE 1" PARTS FOR THIS PROJECT.

D3

SHEET 8

0

REVISION

REV	DATE	DESCRIPTION
0		ISSUED FOR PERMIT

PROFESSIONAL ENGINEER

No. 9600042-2303

BRADLEY J. TAYLOR

12/18/2025

STATE OF UTAH

DESIGNED

DATE

12/18/2025

BKW

BKW

BJM

DRAWN

CHECKED

H:

N/A

V:

N/A

DRAWING SCALE

(22x34)

(11x17)

(22x34)

(11x17)

This bar measures  
on the original  
drawing

DETAILS

4275 S WATERLINE REPLACEMENT

4275 S 1325 E

OGDEN

UTAH

Still Untamed™

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