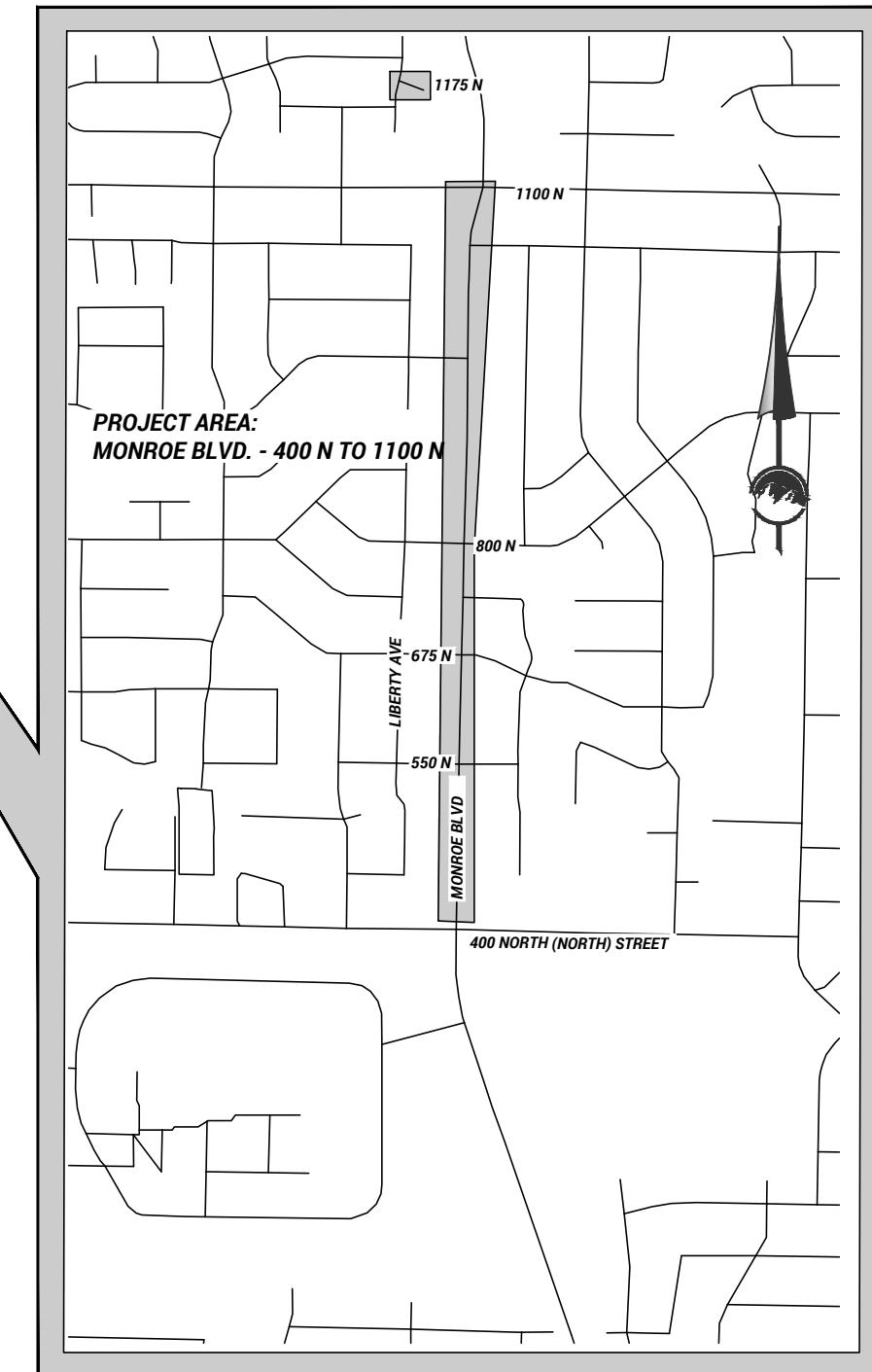
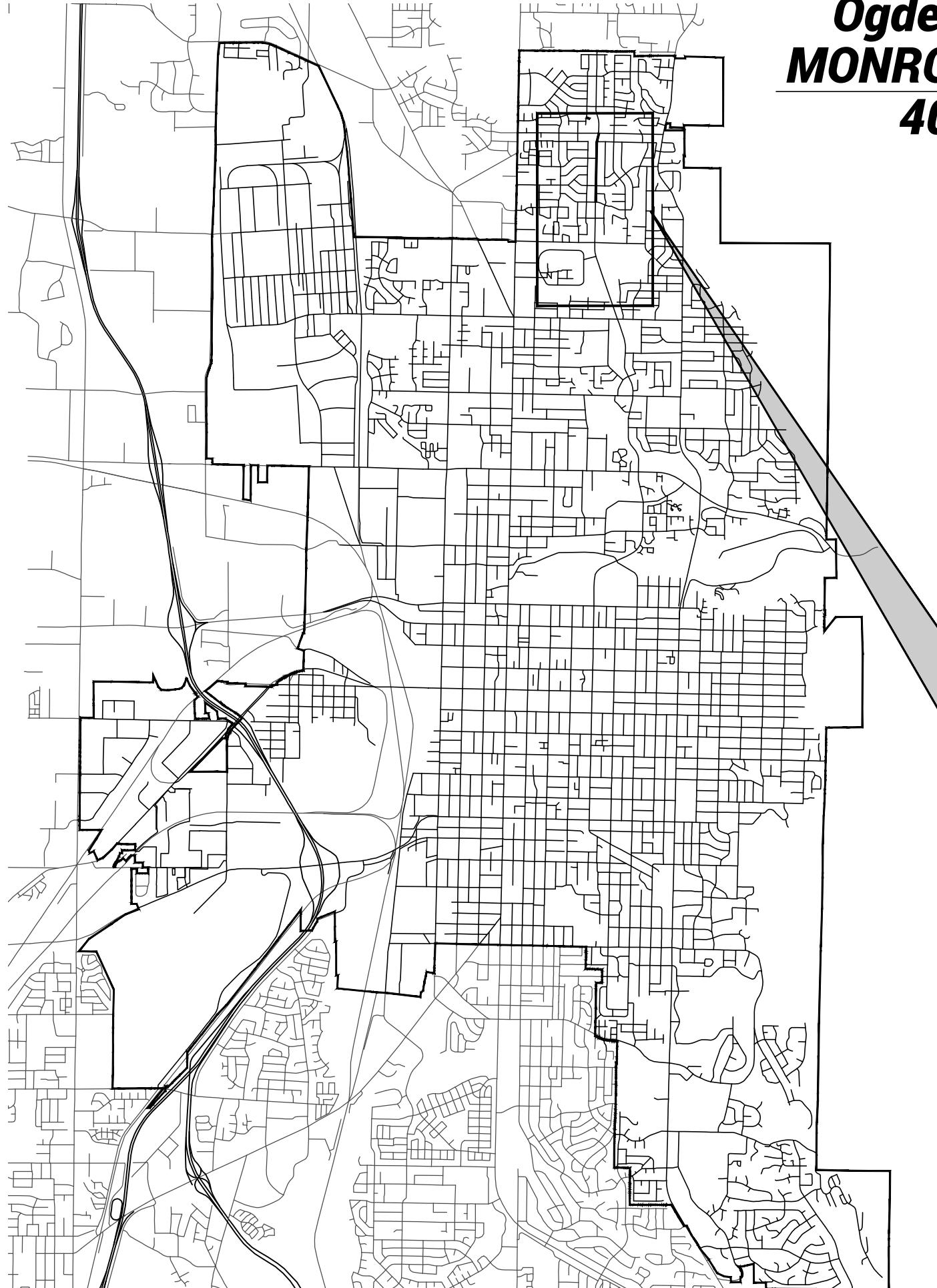


Ogden City Engineering
MONROE WATER LINE PH II
400 N TO 1100 N



SHEET INDEX

1	G1	TITLE SHEET
2	SC1	SURVEY CONTROL
3	W1	WATER LINE PLAN & PROFILE
4	W2	WATER LINE PLAN & PROFILE
5	W3	WATER LINE PLAN & PROFILE
6	W4	WATER LINE PLAN & PROFILE
7	W5	WATER LINE PLAN & PROFILE
8	W6	WATER LINE PLAN & PROFILE
9	W7	WATER LINE PLAN & PROFILE
10	W8	1175 WATER LINE PLAN & PROFILE
11	RD1	ROADWAY PLAN
12	RD2	ROADWAY PLAN
13	RD3	ROADWAY PLAN
14	RD4	ROADWAY PLAN & PROFILE
15	DT1	DETAILS
16	DT2	DETAILS

TITLE SHEET

MONROE WATER LINE PH II

MONROE - 400 N TO 1100 N

DRAWING NAME: G-1_Titlesheet_Monroe Ph.2.dwg

PLOT DATE: 11/13/2023 3:36 PM

G1

0

REVISION

DESIGNED ▲ BJM DATE 11/9/2023

DRAWN ▲ BJM TDN

CHECKED ▲ TDN

DRAWING SCALE H: NONE (22x34) V: NONE (22x34)

This drawing includes one inch on the original drawing



PROFESSIONAL ENGINEER
 No. 9800042-220
 BRADLEY, J. L.
 11/9/23

STATE OF UTAH

2549 Washington Blvd, Suite 760 Ogden, UT 84401

Ogden UTAH Still Untamed™
 Phone: 801-629-8980 engineering.ogdencty.com



SCALE
HORIZ 0 40 80
VERT 0 5 10



SC1
0
2
REVISION



DESIGNED	BJM	DATE
DRAWN	BJM	11/9/2023
CHECKED	TDN	
H:	T = 20' (22x34) T = 40' (11x17)	DRAWING SCALE This drawing measures exactly one inch on the original drawing
V:	T = 5' (22x34) T = 10' (11x17)	

SURVEY CONTROL
MONROE WATER LINE PH II
MONROE - 400 N TO 1100 N

800 N EXIST MONUMENT
NORTHING=3623183.96
EASTING=1514213.32

950 N EXIST MONUMENT
STATION=60+33.12
OFFSET=0.08L
NORTHING=3624156.16
EASTING=1514233.15

1050 N EXIST MONUMENT
STATION=66+26.61
OFFSET=0.00
NORTHING=3624749.52
EASTING=1514245.43

MONROE CENTER LINE ALIGNMENT
N1° 10' 52.00"E

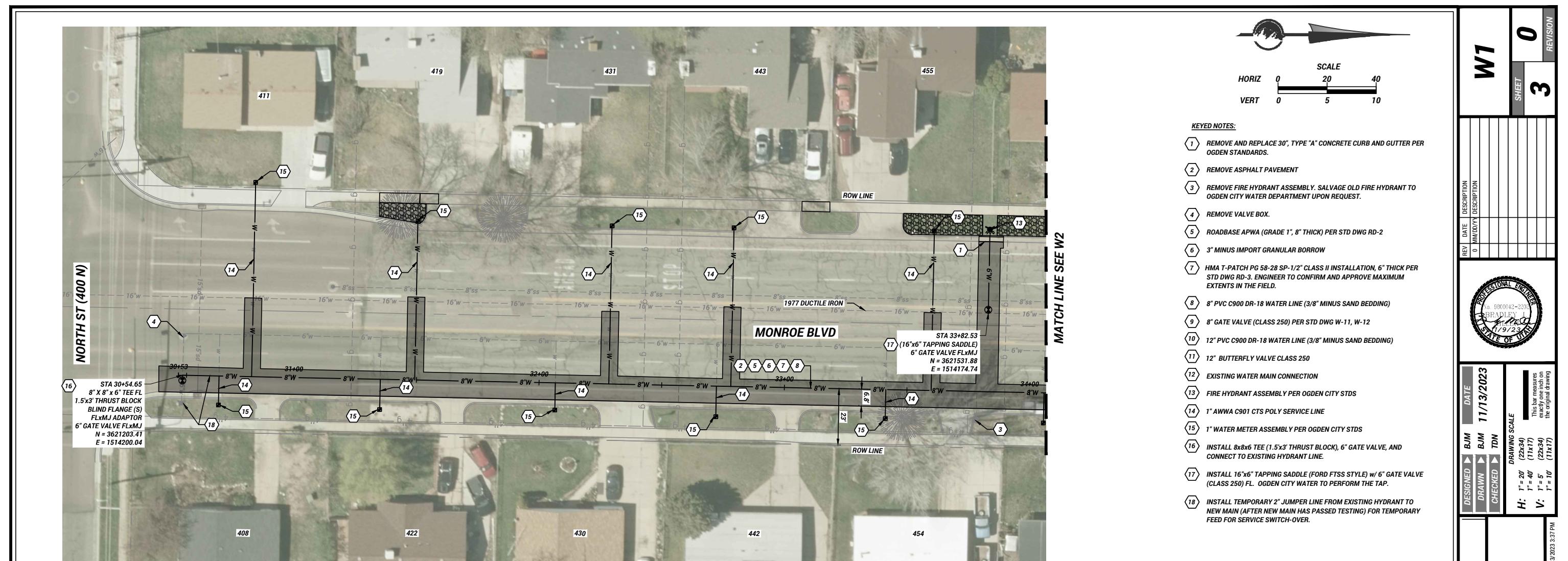
PROPOSED WATER LINE ALIGNMENT
N1° 10' 23.39"E

1100 NORTH

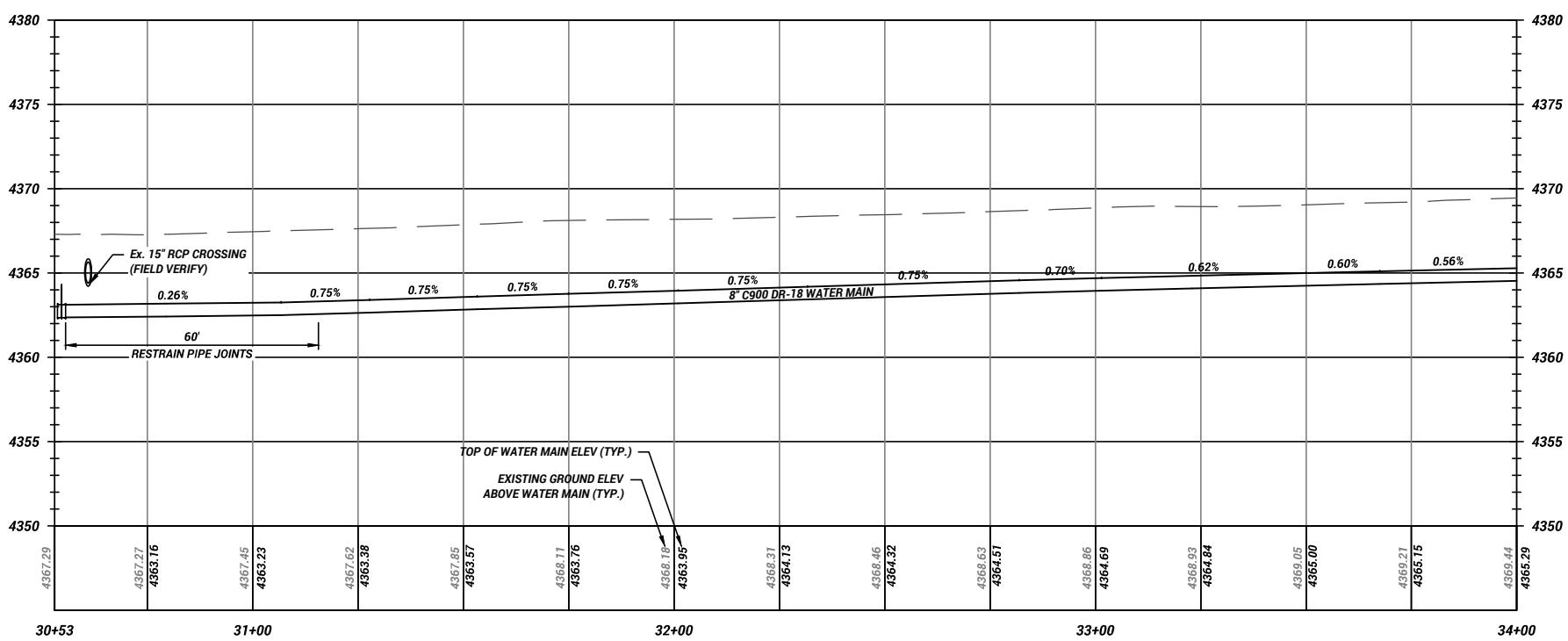
1050 NORTH

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 GEODID 12A.
3. COORDINATE SETTING ALL MONUMENTS FOR THE PROJECT WITH THE CITY SURVEYOR STEVE PORTER 801-629-8979



MONROE WATER LINE PROFILE



NOTES:

1. ALL EXISTING SEWER LATERALS ON MONROE BLVD SHALL BE LOCATED BY THE CONTRACTOR AND SHALL BE VIDEO INSPECTED BOTH BEFORE AND AFTER CONSTRUCTION OF THE WATER LINE (BEFORE PAVING).

2. EXISTING SERVICE LINE INFORMATION:

455 MONROE - 1" COPPER, 3/4" METER
454 MONROE - 3/4" COPPER, 5/8" METER
443 MONROE - 1" COPPER, 3/4" METER
442 MONROE - 3/4" COPPER, 5/8" METER
431 MONROE - 1" COPPER, 3/4" METER
430 MONROE - 3/4" GALVANIZED, 5/8" METER
422 MONROE - 3/4" COPPER, 5/8" METER
419 MONROE - 1" COPPER, 3/4" METER
411 MONROE - 1" COPPER, 3/4" METER
408 MONROE - 3/4" COPPER, 5/8" METER

3. TRAFFIC IS EXPECTED TO REMAIN OPEN ON MONROE BLVD. ANY TRENCHING MUST BE TEMP PAVED BEFORE ANY TRAFFIC CAN RESUME ON THE TRENCH.

4. EXISTING PRESSURES:

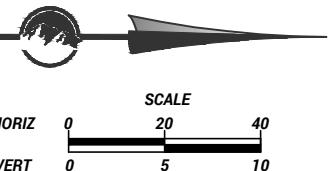
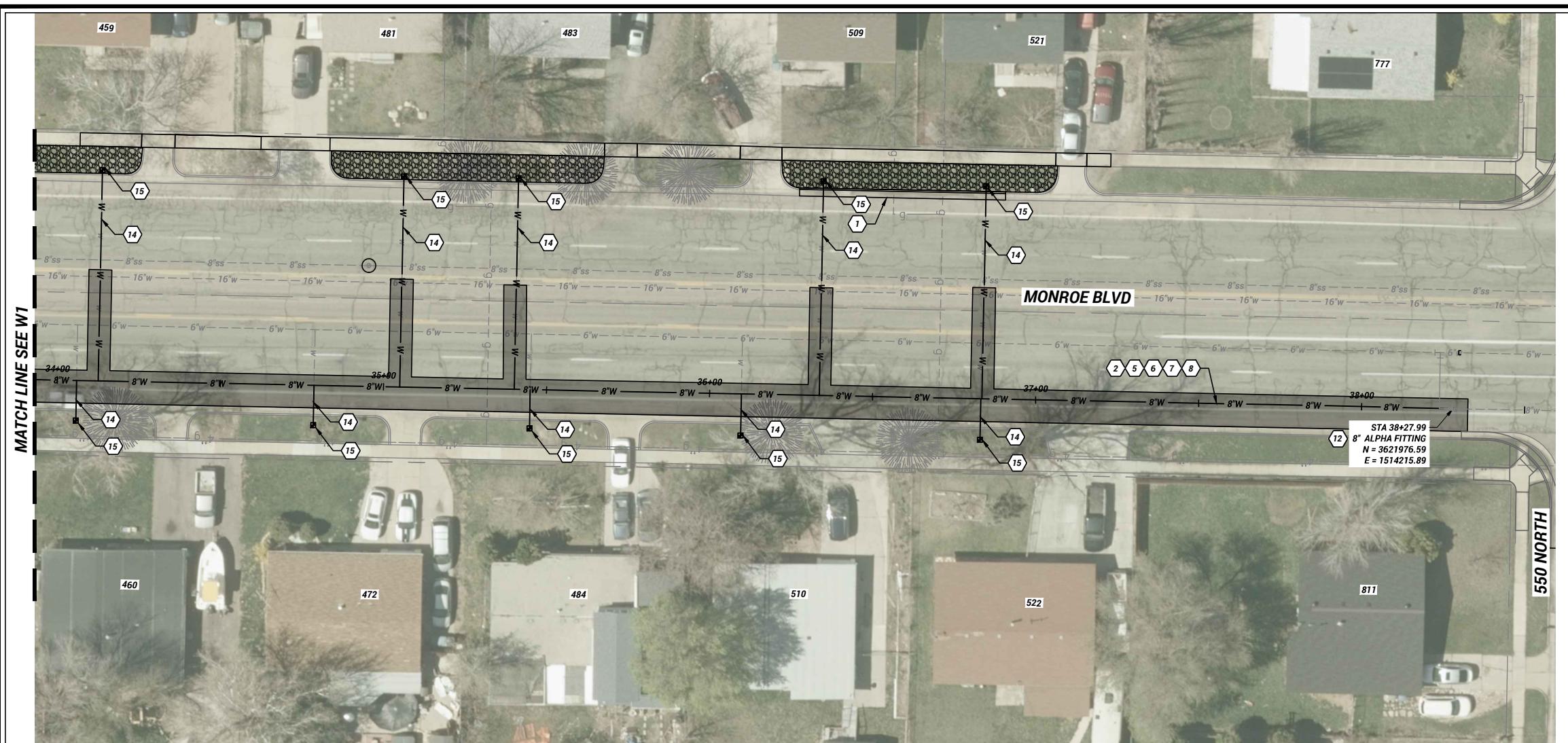
400 N = 63.94 PSI, 550 N = 62 PSI

WATER LINE PLAN & PROFILE
MONROE WATER LINE PH II

MONROE - 400 N TO 1100 N

DRAWING NAME: Monroe Ph 2 Wt Line

PLOT DATE: 11/13/2023 3:37 PM



PROFESSIONAL ENGINEER	BRADLEY, J.
STATE OF UTAH	11/13/2023
REV. DATE	11/13/2023
0 MM/DD/YY	11/13/2023
DESCRIPTION	
11/13/2023	

NOTES:

1. ALL EXISTING SEWER LATERALS ON MONROE BLVD SHALL BE LOCATED BY THE CONTRACTOR AND SHALL BE VIDEO INSPECTED BOTH BEFORE AND AFTER CONSTRUCTION OF THE WATER LINE (BEFORE PAVING).

2. EXISTING SERVICE LINE INFORMATION:

- 522 MONROE - 3/4" COPPER, 5/8" METER
- 521 MONROE - 1" COPPER, 3/4" METER
- 509 MONROE - 1" COPPER, 3/4" METER
- 510 MONROE - 3/4" COPPER, 5/8" METER
- 484 MONROE - 3/4" COPPER, 5/8" METER
- 483 MONROE - 1" COPPER, 3/4" METER
- 481 MONROE - 1" COPPER, 3/4" METER
- 472 MONROE - 3/4" COPPER, 5/8" METER
- 460 MONROE - 3/4" COPPER, 5/8" METER
- 459 MONROE - 1" COPPER, 3/4" METER

3. TRAFFIC IS EXPECTED TO REMAIN OPEN ON MONROE BLVD. ANY TRENCHING MUST BE TEMP PAVED BEFORE ANY TRAFFIC CAN RESUME OVER THE TRENCH.

4. EXISTING PRESSURES:
400 N = 63.94 PSI, 550 N = 62 PSI

5. THE EXPECTED T-PATCH FOR THE WATER MAIN IS EXPECTED TO GO TO THE EAST CURB AND BE ABOUT 10' WIDE. CONFIRM EXTENTS IN THE FIELD WITH THE ENGINEER.

DESIGNED ▲ BJM	DATE 11/13/2023
DRAWN ▲ BJM	
CHECKED ▲ TDN	
DRAWING SCALE H: T = 20' (22x34) V: T = 40' (11x17)	
This drawing measures 22x34 inches on the original drawing.	

NOTES:

1. ALL EXISTING SEWER LATERALS ON MONROE BLVD SHALL BE LOCATED BY THE CONTRACTOR AND SHALL BE VIDEO INSPECTED BOTH BEFORE AND AFTER CONSTRUCTION OF THE WATER LINE (BEFORE PAVING).

2. EXISTING SERVICE LINE INFORMATION:

- 522 MONROE - 3/4" COPPER, 5/8" METER
- 521 MONROE - 1" COPPER, 3/4" METER
- 509 MONROE - 1" COPPER, 3/4" METER
- 510 MONROE - 3/4" COPPER, 5/8" METER
- 484 MONROE - 3/4" COPPER, 5/8" METER
- 483 MONROE - 1" COPPER, 3/4" METER
- 481 MONROE - 1" COPPER, 3/4" METER
- 472 MONROE - 3/4" COPPER, 5/8" METER
- 460 MONROE - 3/4" COPPER, 5/8" METER
- 459 MONROE - 1" COPPER, 3/4" METER

3. TRAFFIC IS EXPECTED TO REMAIN OPEN ON MONROE BLVD. ANY TRENCHING MUST BE TEMP PAVED BEFORE ANY TRAFFIC CAN RESUME OVER THE TRENCH.

4. EXISTING PRESSURES:
400 N = 63.94 PSI, 550 N = 62 PSI

5. THE EXPECTED T-PATCH FOR THE WATER MAIN IS EXPECTED TO GO TO THE EAST CURB AND BE ABOUT 10' WIDE. CONFIRM EXTENTS IN THE FIELD WITH THE ENGINEER.



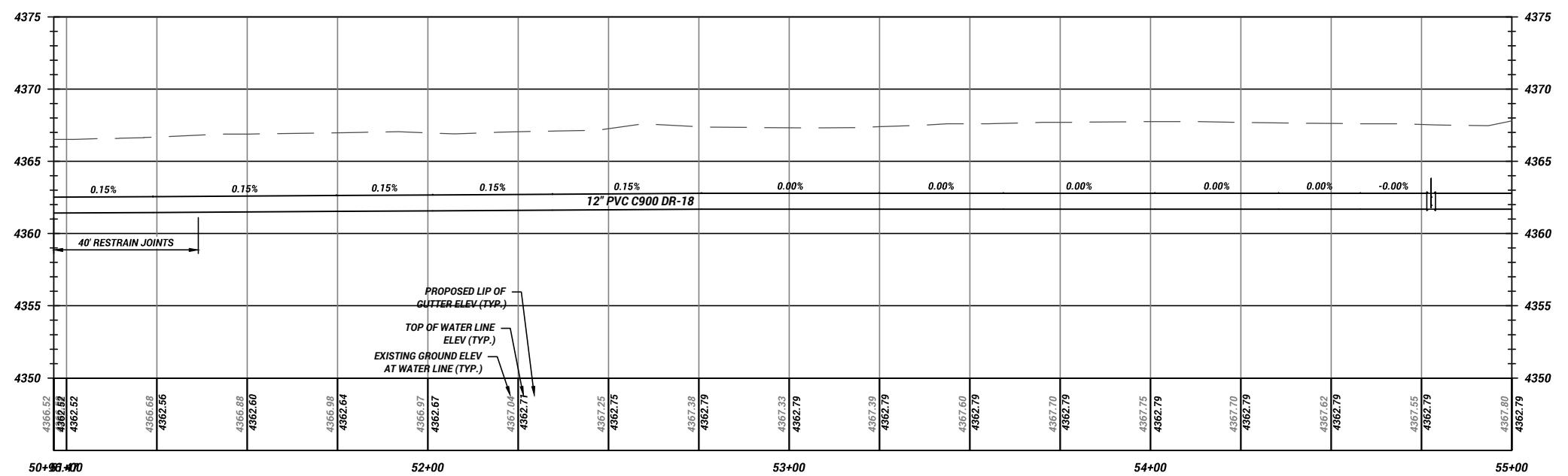
PROPOSED MONROE BLVD WATER LINE PROFILE

NOTE:

- 1. EXISTING SERVICE LINE INFORMATION:**

806 MONROE - 3/4" COPPER, 5/8" METER
807 MONROE - 3/4" COPPER, 5/8" METER
818 MONROE - 3/4" COPPER, 5/8" METER
819 MONROE - 3/4" COPPER, 5/8" METER
824 MONROE - 3/4" COPPER, 5/8" METER
825 MONROE - 3/4" COPPER, 5/8" METER
836 MONROE - 3/4" COPPER, 5/8" METER
837 MONROE - 3/4" COPPER, 5/8" METER
842 MONROE - 3/4" GALVANIZED, 5/8" METER
843 MONROE - 3/4" COPPER, 5/8" METER
850 MONROE - 3/4" COPPER, 5/8" METER
851 MONROE - 3/4" COPPER, 5/8" METER
- 2. TRAFFIC IS EXPECTED TO REMAIN OPEN ON MONROE BLVD. ANY TRENCHING MUST BE TEMP PAVED BEFORE ANY TRAFFIC CAN RESUME ON THE TRENCH.**
- 3. ALL EXISTING SEWER LATERALS ON MONROE BLVD SHALL BE LOCATED BY THE CONTRACTOR AND SHALL BE VIDEO INSPECTED BOTH BEFORE AND AFTER CONSTRUCTION OF THE WATER LINE (BEFORE PAVING).**
- 4. EXISTING PRESSURE:**

800 N = 66.51 PSI, 950 N = 63.76 PSI
- 5. T-PATCH FOR THE PROPOSED WATER LINE IS EXPECTED TO BE 10 FT WIDE AND EXTEND TO THE EAST LIP OF GUTTER.**



MONROE WATER LINE

MONROE - 400 N TO 1100 N

: Monroe Ph 2 W 10,000

DRAWING NAME

UTAH
Still Untamed
5459 Washington Blvd, Suite 760 Ogden, UT 84401
Phone: 801-629-8980 engineering.ogdenicity.com

W3		0	REVISION
		5	SHEET
DESIGNED	BJM	DATE	REV. DATE DESCRIPTION 0 MM/DD/YY DESCRIPTION
DRAWN	BJM	11/13/2023	
CHECKED	TDN		
		DRAWING SCALE	
H:	1" = 20'	(22x34)	
		(11x17)	This box measures existing one inch on the original drawing
V:	1" = 40'	(22x34)	
		(11x17)	
			

WATER LINE PLAN & PROFILE
MONROE WATER LINE PH II
MONROE - 400 N TO 1100 N

DRA
84401
com

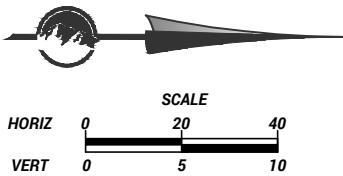
100
100

AH
Inta
Ogde
g.ogde

Page 760

1100 39th Street
Englewood, CO 80231

549 Washington B
Phone: 801-629-1



KEYED NOTES:

① REMOVE AND REPLACE 30", TYPE "A" CONCRETE CURB AND GUTTER PER OGDEN STANDARDS.

② REMOVE ASPHALT PAVEMENT

③ REMOVE FIRE HYDRANT ASSEMBLY. SALVAGE OLD FIRE HYDRANT TO OGDEN CITY WATER DEPARTMENT UPON REQUEST.

④ REMOVE VALVE BOX.

⑤ ROADBASE APWA (GRADE 1, 8" THICK) PER STD DWG RD-2

⑥ 3" MINUS IMPORT GRANULAR BORROW

⑦ HMA T-PATCH PG 58-28 SP-1/2" CLASS II INSTALLATION, 6" THICK PER STD DWG RD-3. ENGINEER TO CONFIRM AND APPROVE MAXIMUM EXTENTS IN THE FIELD.

⑧ 8" PVC C900 DR-18 WATER LINE (3/8" MINUS SAND BEDDING)

⑨ 8" GATE VALVE (CLASS 250) PER STD DWG W-11, W-12

⑩ 12" PVC C900 DR-18 WATER LINE (3/8" MINUS SAND BEDDING)

⑪ 12" BUTTERFLY VALVE CLASS 250

⑫ EXISTING WATER MAIN CONNECTION

⑬ FIRE HYDRANT ASSEMBLY PER OGDEN CITY STDS

⑭ 1" AWWA C901 CTS POLY SERVICE LINE

⑮ 1" WATER METER ASSEMBLY PER OGDEN CITY STDS

⑯ ADJUST VALVE TO GRADE AND COLLAR

⑰ REMOVE & REPLACE CONCRETE FLATWORK 6" THICK (DRIVEWAY APRONS)

⑱ REMOVE & REPLACE CONCRETE SIDEWALK 6" THICK (6" THICK BASE)

⑲ REMOVE & REPLACE CONCRETE SIDEWALK 4" THICK (4" THICK BASE)

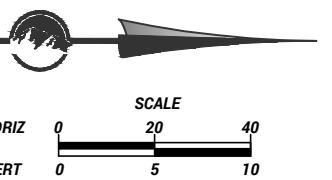
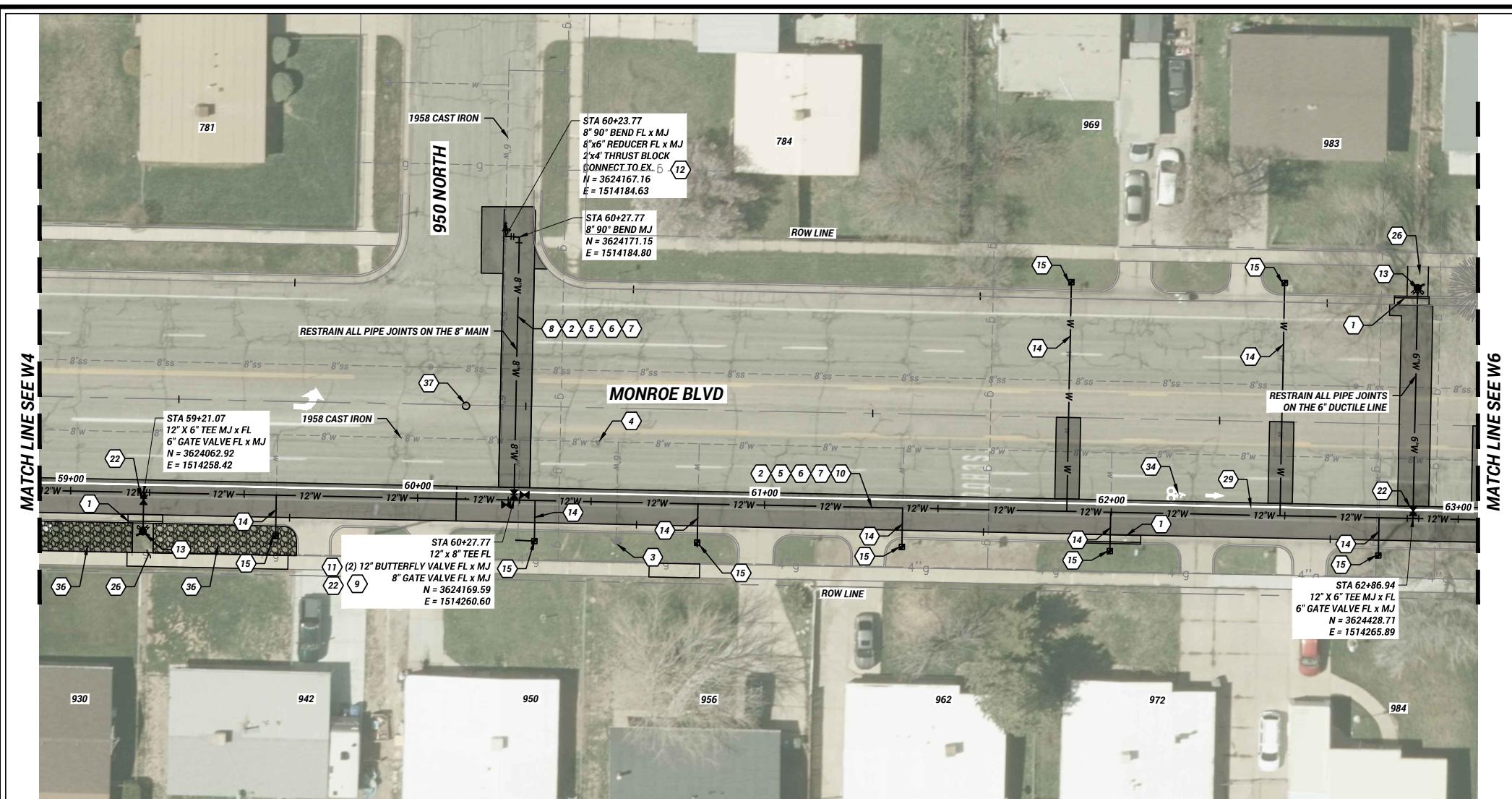
⑳ PAEMENT MARKING PAINT (4" SOLID WHITE LINE)

㉑ PAEMENT MESSAGE PAINT (BIKE SYMBOL & ARROW)

㉒ 2" MINUS NATURAL GRAY LANDSCAPING ROCK & WEED BARRIER FABRIC

W4		0
6		0
REVISION		
DESIGNED	BJM	DATE
DRAWN	BJM	11/13/2023
CHECKED	TDN	
		DRAWING SCALE
		H: T=20' (22x34) V: T=40' (11x17)
		This drawing contains one inch increments on the original drawing

WATER LINE PLAN & PROFILE																													
MONROE WATER LINE PH II																													
MONROE - 400 N TO 1100 N																													
12" PVC C900 WATER MAIN																													
TOP OF WATER MAIN ELEV (TYP.)																													
EX. ELEV ABOVE WATER MAIN (TYP.)																													
4367.80	4362.79	4367.41	4362.16	4367.29	4362.73	4367.00	4362.62	4366.88	4366.80	4362.56	4366.51	4362.51	4366.72	4362.45	4366.62	4362.40	4366.64	4362.29	4366.41	4362.24	4366.34	4362.19	4366.19	4362.15	4366.15	4362.12	4366.12	4362.07	4366.04
4367.75	4362.79	4367.41	4362.16	4367.29	4362.73	4367.00	4362.62	4366.88	4366.80	4362.56	4366.51	4362.51	4366.72	4362.45	4366.62	4362.40	4366.64	4362.29	4366.41	4362.24	4366.34	4362.19	4366.19	4362.15	4366.15	4362.12	4366.12	4362.07	4366.04
4367.70	4362.74	4367.38	4362.13	4367.26	4362.70	4367.03	4362.60	4366.83	4366.80	4362.55	4366.50	4362.50	4366.67	4362.44	4366.61	4362.39	4366.63	4362.28	4366.40	4362.23	4366.33	4362.18	4366.18	4362.14	4366.14	4362.11	4366.11	4362.06	4366.03
4367.65	4362.69	4367.33	4362.12	4367.25	4362.68	4367.02	4362.57	4366.82	4366.80	4362.54	4366.53	4362.53	4366.66	4362.43	4366.62	4362.38	4366.64	4362.27	4366.39	4362.22	4366.34	4362.17	4366.17	4362.13	4366.13	4362.10	4366.10	4362.05	4366.02
4367.60	4362.64	4367.28	4362.11	4367.24	4362.67	4367.01	4362.56	4366.81	4366.80	4362.53	4366.52	4362.52	4366.67	4362.42	4366.61	4362.37	4366.63	4362.26	4366.38	4362.21	4366.33	4362.16	4366.16	4362.12	4366.12	4362.09	4366.06	4362.04	4366.01
4367.55	4362.59	4367.23	4362.08	4367.22	4362.63	4367.00	4362.55	4366.80	4366.80	4362.52	4366.51	4362.51	4366.66	4362.41	4366.60	4362.36	4366.62	4362.25	4366.37	4362.20	4366.32	4362.15	4366.15	4362.11	4366.11	4362.08	4366.05	4362.03	4366.00
4367.50	4362.54	4367.18	4362.03	4367.21	4362.62	4367.00	4362.54	4366.79	4366.80	4362.51	4366.50	4362.50	4366.66	4362.40	4366.59	4362.35	4366.61	4362.24	4366.36	4362.19	4366.31	4362.14	4366.14	4362.10	4366.10	4362.07	4366.04	4362.02	4366.00
4367.45	4362.49	4367.13	4362.02	4367.20	4362.61	4367.00	4362.53	4366.78	4366.80	4362.50	4366.49	4362.49	4366.66	4362.39	4366.58	4362.34	4366.60	4362.23	4366.35	4362.18	4366.30	4362.13	4366.13	4362.09	4366.10	4362.06	4366.03	4362.01	4366.00
4367.40	4362.44	4367.08	4362.01	4367.17	4362.60	4367.00	4362.52	4366.77	4366.80	4362.49	4366.48	4362.48	4366.66	4362.38	4366.57	4362.33	4366.59	4362.22	4366.34	4362.17	4366.30	4362.12	4366.12	4362.08	4366.10	4362.05	4366.02	4362.00	4366.00
4367.35	4362.39	4367.03	4362.00	4367.16	4362.59	4367.00	4362.51	4366.76	4366.80	4362.48	4366.47	4362.47	4366.66	4362.37	4366.56	4362.32	4366.58	4362.21	4366.33	4362.16	4366.30	4362.11	4366.11	4362.07	4366.10	4362.04	4366.01	4362.00	4366.00
4367.30	4362.34	4367.00	4362.00	4367.15	4362.58	4367.00	4362.50	4366.75	4366.80	4362.47	4366.46	4362.46	4366.66	4362.36	4366.55	4362.31	4366.57	4362.20	4366.32	4362.15	4366.30	4362.10	4366.10	4362.06	4366.08	4362.03	4366.01	4362.00	4366.00
4367.25	4362.29	4367.00	4362.00	4367.14	4362.57	4367.00	4362.49	4366.74	4366.80	4362.46	4366.45	4362.45	4366.66	4362.35	4366.54	4362.30	4366.56	4362.19	4366.31	4362.14	4366.30	4362.09	4366.10	4362.05	4366.07	4362.02	4366.01	4362.00	4366.00
4367.20	4362.24	4367.00	4362.00	4367.13	4362.56	4367.00	4362.47	4366.73	4366.80	4362.45	4366.44	4362.44	4366.66	4362.34	4366.53	4362.29	4366.55	4362.18	4366.30	4362.13	4366.30	4362.08	4366.10	4362.04	4366.06	4362.01	4366.01	4362.00	4366.00
4367.15	4362.19	4367.00	4362.00	4367.12	4362.55	4367.00	4362.46	4366.72	4366.80	4362.44	4366.43	4362.43	4366.66	4362.33	4366.52	4362.28	4366.54	4362.17	4366.30	4362.12	4366.30	4362.07	4366.10	4362.03	4366.05	4362.01	4366.01	4362.00	4366.00
4367.10	4362.14	4367.00	4362.00	4367.11	4362.54	4367.00	4362.45	4366.71	4366.80	4362.43	4366.42	4362.42	4366.66	4362.32	4366.51	4362.27	4366.53	4362.16	4366.30	4362.11	4366.30	4362.06	4366.10	4362.02	4366.04	4362.01	4366.01	4362.00	4366.00
4367.05	4362.09	4367.00	4362.00	4367.10	4362.53	4367.00	4362.44	4366.70	4366.80	4362.42	4366.41	4362.41	4366.66	4362.31	4366.50	4362.26	4366.52	4362.15	4366.30	4362.10	4366.30	4362.05	4366.10	4362.01	4366.03	4362.01	4366.01	4362.00	4366.00
4367.00	4362.04</																												



KEYED NOTES:

- 1 REMOVE AND REPLACE 30", TYPE "A" CONCRETE CURB AND GUTTER PER OGDEN STANDARDS.
- 2 REMOVE ASPHALT PAVEMENT
- 3 REMOVE FIRE HYDRANT ASSEMBLY. SALVAGE OLD FIRE HYDRANT TO OGDEN CITY WATER DEPARTMENT UPON REQUEST.
- 4 REMOVE VALVE BOX.
- 5 ROADBASE APWA (GRADE 1", 8" THICK) PER STD DWG RD-2
- 6 3" MINUS IMPORT GRANULAR BORROW
- 7 HMA T-PATCH PG 58-28 SP-1/2" CLASS II INSTALLATION, 6" THICK PER STD DWG RD-3. ENGINEER TO CONFIRM AND APPROVE MAXIMUM EXTENTS IN THE FIELD.
- 8 8" PVC C900 DR-18 WATER LINE (3/8" MINUS SAND BEDDING)
- 9 8" GATE VALVE (CLASS 250) PER STD DWG W-11, W-12
- 10 12" PVC C900 DR-18 WATER LINE (3/8" MINUS SAND BEDDING)
- 11 12" BUTTERFLY VALVE CLASS 250
- 12 EXISTING WATER MAIN CONNECTION
- 13 FIRE HYDRANT ASSEMBLY PER OGDEN CITY STD'S
- 14 1" AWWA C901 CTS POLY SERVICE LINE
- 15 1" WATER METER ASSEMBLY PER OGDEN CITY STD'S
- 22 ADJUST VALVE TO GRADE AND COLLAR
- 26 REMOVE & REPLACE CONCRETE SIDEWALK 4" THICK (4" THICK BASE)
- 29 PAVEMENT MARKING PAINT (4" SOLID WHITE LINE)
- 34 PAVEMENT MESSAGE PAINT (BIKE SYMBOL & ARROW)
- 36 2" MINUS NATURAL GRAY LANDSCAPING ROCK & WEED BARRIER FABRIC
- 37 INSTALL NEW COVER AND COLLAR FOR EX. SURVEY MONUMENT

NOTE:

1. EXISTING SERVICE LINE INFORMATION:

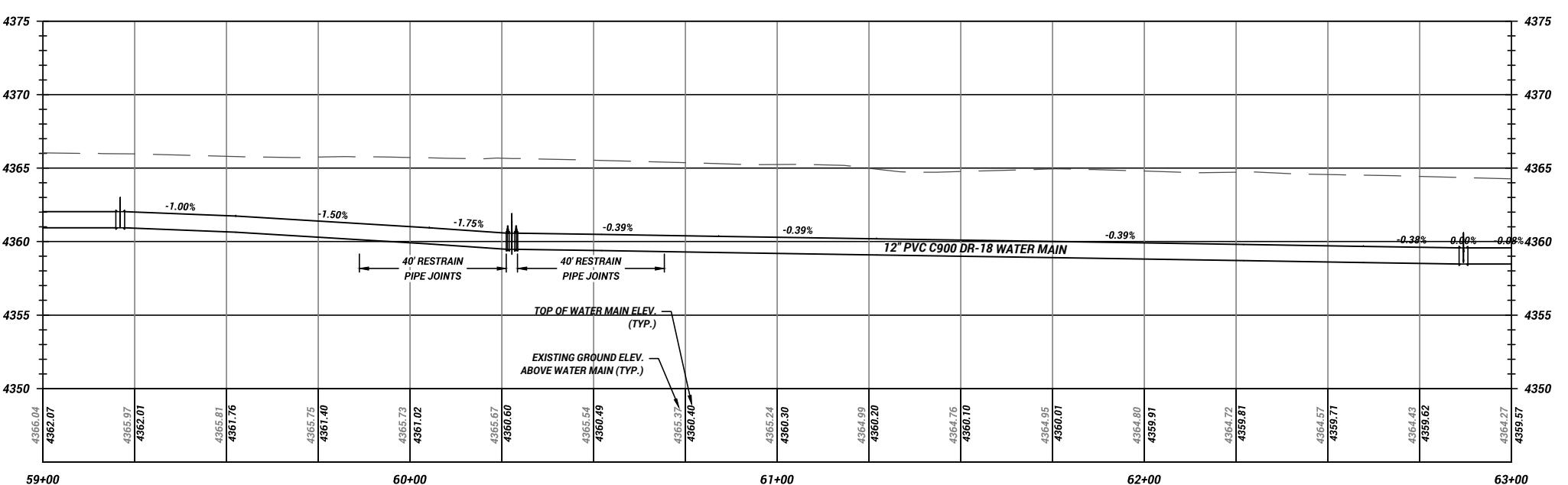
942 MONROE	- 3/4" GALVANIZED, 5/8" METER
950 MONROE	- 3/4" GALVANIZED, 5/8" METER
956 MONROE	- 3/4" GALVANIZED, 5/8" METER
962 MONROE	- 3/4" COPPER, 5/8" METER
969 MONROE	- 3/4" GALVANIZED, 5/8" METER
972 MONROE	- 3/4" GALVANIZED, 5/8" METER
983 MONROE	- 3/4" COPPER, 5/8" METER
984 MONROE	- 3/4" COPPER, 5/8" METER

2. TRAFFIC IS EXPECTED TO REMAIN OPEN ON MONROE BLVD. ANY TRENCHING MUST BE TEMP PAVED BEFORE ANY TRAFFIC CAN RESUME ON THE TRENCH.

3. ALL EXISTING SEWER LATERALS ON MONROE BLVD SHALL BE LOCATED BY THE CONTRACTOR AND SHALL BE VIDEO INSPECTED BOTH BEFORE AND AFTER CONSTRUCTION OF THE WATER LINE (BEFORE PAVING).

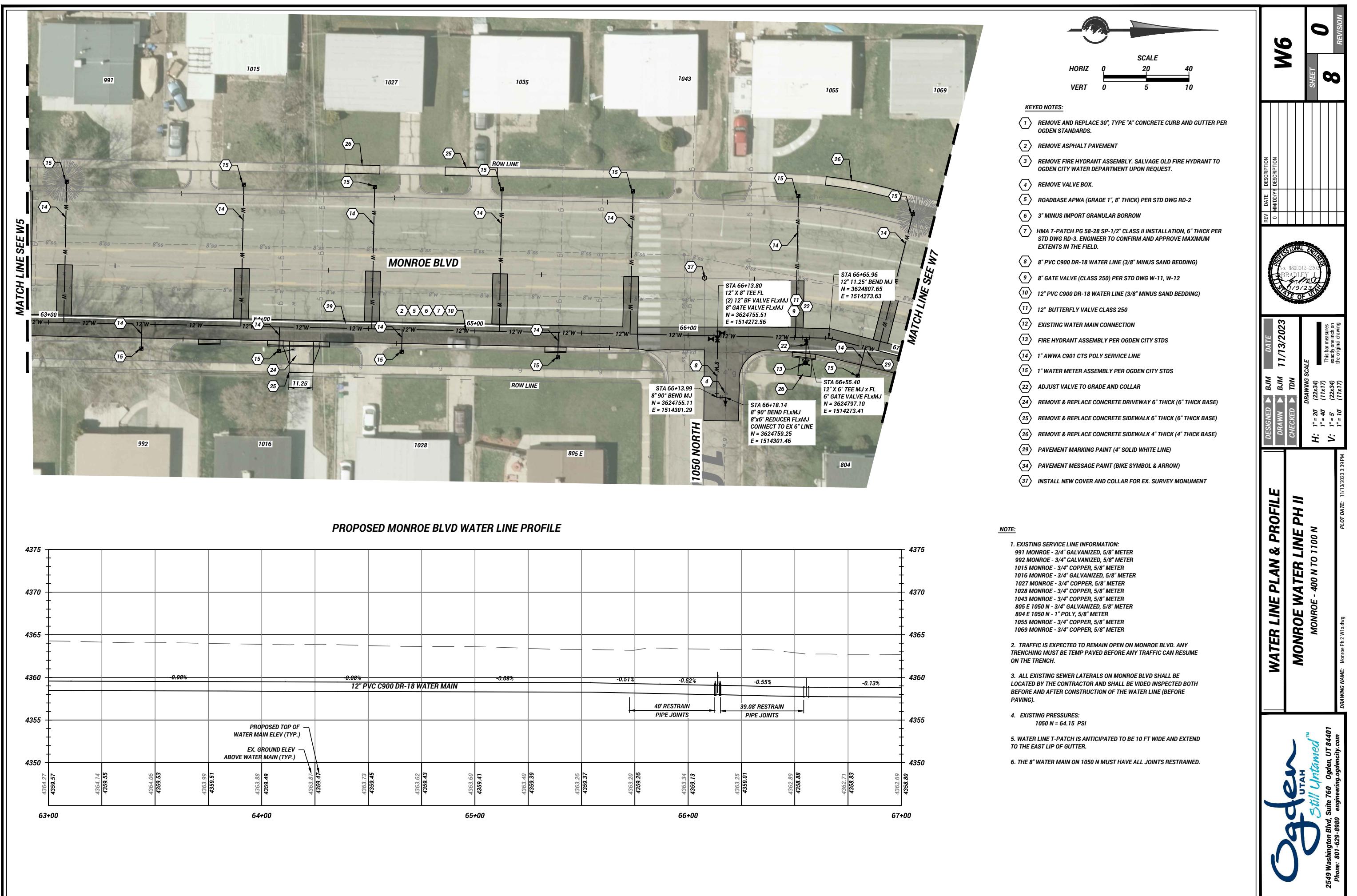
4. EXISTING PRESSURES:

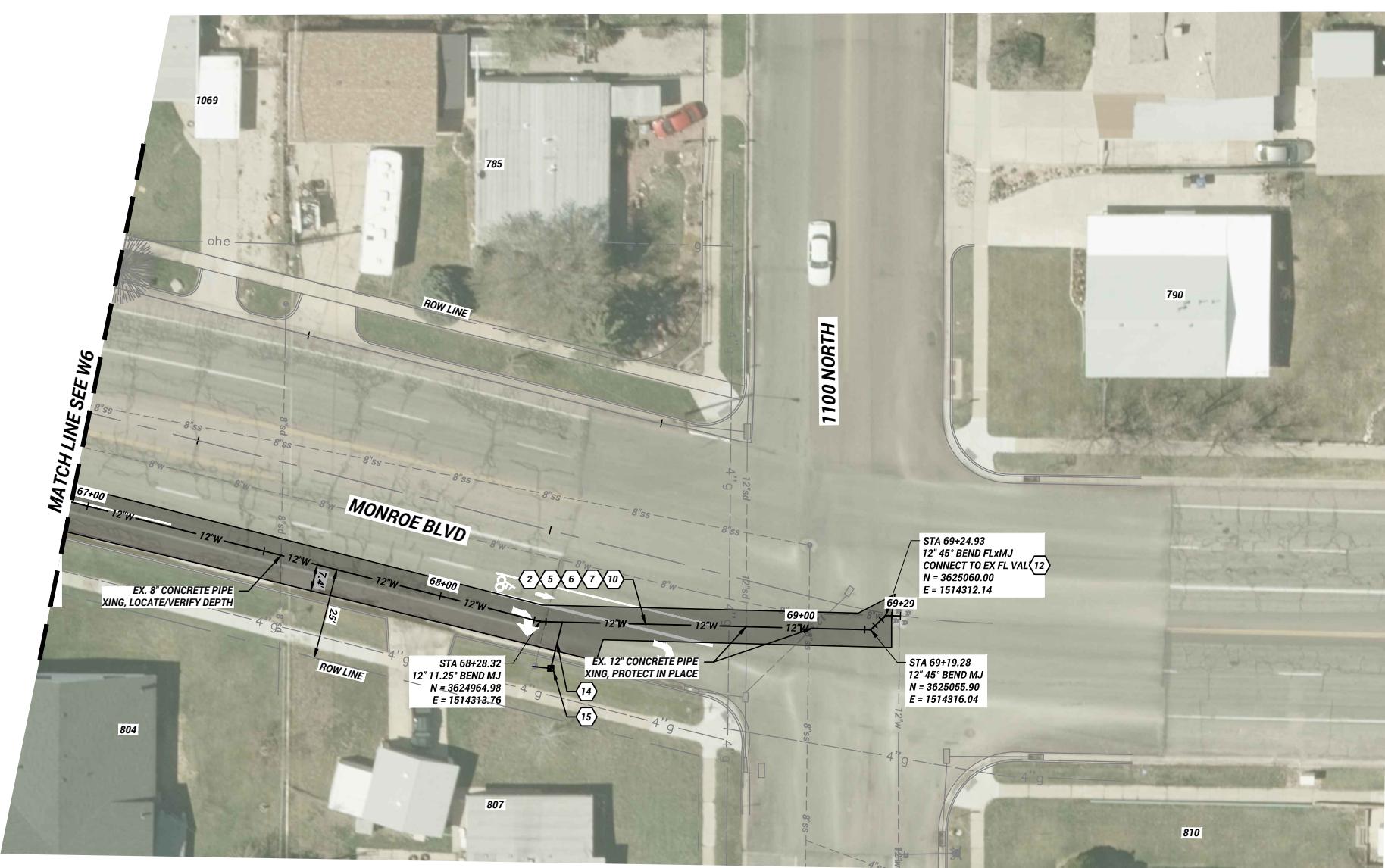
950 N	= 63.76 PSI
1050 N	= 64.15 PSI



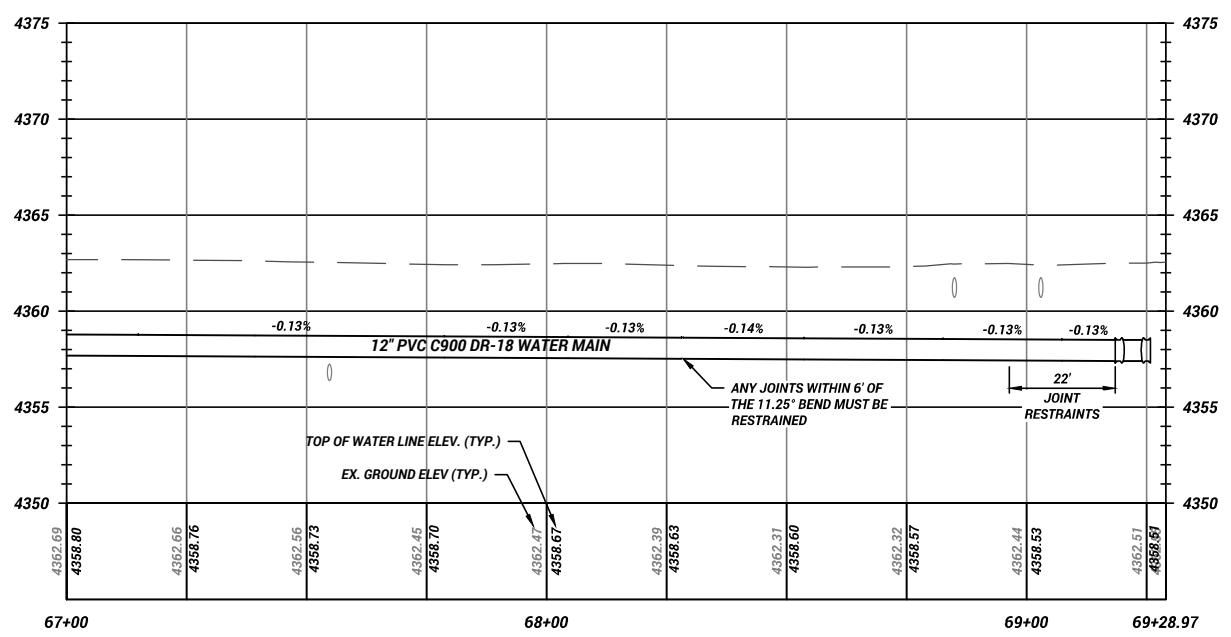
W5		0
SHEET	7	REVISION
DESIGNED	BJM	DATE
DRAWN	BJM	5/8/2023
CHECKED	TDN	
DRAWING SCALE		
H: T = 20' (22x34) T = 40' (11x17)		
V: T = 5' (22x34) T = 10' (11x17)		
This drawing measures exactly one inch on the original drawing.		

WATER LINE PLAN & PROFILE	
MONROE WATER LINE PH II	
MONROE - 400 N TO 1100 N	
MONROE - 3/4" COPPER, 5/8" METER	
DRAFTER: Monroe Ph 2 W/M (X) PLOT DATE: 11/13/2023 3:39 PM	





PROPOSED MONROE BLVD WATER LINE PROFILE

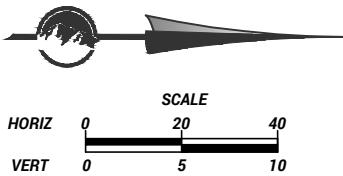


KEYED NOTES:

- ① REMOVE AND REPLACE 30", TYPE "A" CONCRETE CURB AND GUTTER PER OGDEN STANDARDS.
- ② REMOVE ASPHALT PAVEMENT
- ③ REMOVE FIRE HYDRANT ASSEMBLY. SALVAGE OLD FIRE HYDRANT TO OGDEN CITY WATER DEPARTMENT UPON REQUEST.
- ④ REMOVE VALVE BOX.
- ⑤ ROADBASE APWA (GRADE 1", 8" THICK) PER STD DWG RD-2
- ⑥ 3" MINUS IMPORT GRANULAR BORROW
- ⑦ HMA T-PATCH PG 58-28 SP-1/2" CLASS II INSTALLATION, 6" THICK PER STD DWG RD-3. ENGINEER TO CONFIRM AND APPROVE MAXIMUM EXTENTS IN THE FIELD.
- ⑧ 8" PVC C900 DR-18 WATER LINE (3/8" MINUS SAND BEDDING)
- ⑨ 8" GATE VALVE (CLASS 250) PER STD DWG W-11, W-12
- ⑩ 12" PVC C900 DR-18 WATER LINE (3/8" MINUS SAND BEDDING)
- ⑪ 12" BUTTERFLY VALVE CLASS 250
- ⑫ EXISTING WATER MAIN CONNECTION
- ⑬ FIRE HYDRANT ASSEMBLY PER OGDEN CITY STDS
- ⑭ 1" AWWA C901 CTS POLY SERVICE LINE
- ⑮ 1" WATER METER ASSEMBLY PER OGDEN CITY STDS

NOTE:

- 1. EXISTING SERVICE LINE INFORMATION:**
807 E 1100 N - 3/4" COPPER, 5/8" METER
- 2. TRAFFIC IS EXPECTED TO REMAIN OPEN ON MONROE BLVD. ANY TRENCHING MUST BE TEMP PAVED BEFORE ANY TRAFFIC CAN RESUME ON THE TRENCH.**
- 3. ALL EXISTING SEWER LATERALS ON MONROE BLVD SHALL BE LOCATED BY THE CONTRACTOR AND SHALL BE VIDEO INSPECTED BOTH BEFORE AND AFTER CONSTRUCTION OF THE WATER LINE (BEFORE PAVING).**
- 4. EXISTING PRESSURES:**
1050 N = 64.15 PSI, 1100 N = 63.52 PSI
- 5. THE WATER LINE T-PATCH IS EXPECTED TO BE 10 FT WIDE AND EXTEND TO THE EAST LIP OF GUTTER.**
- 6. CONTRACTOR IS EXPECTED TO RESTORE ANY STRIPING REMOVED FOR CONSTRUCTION.**



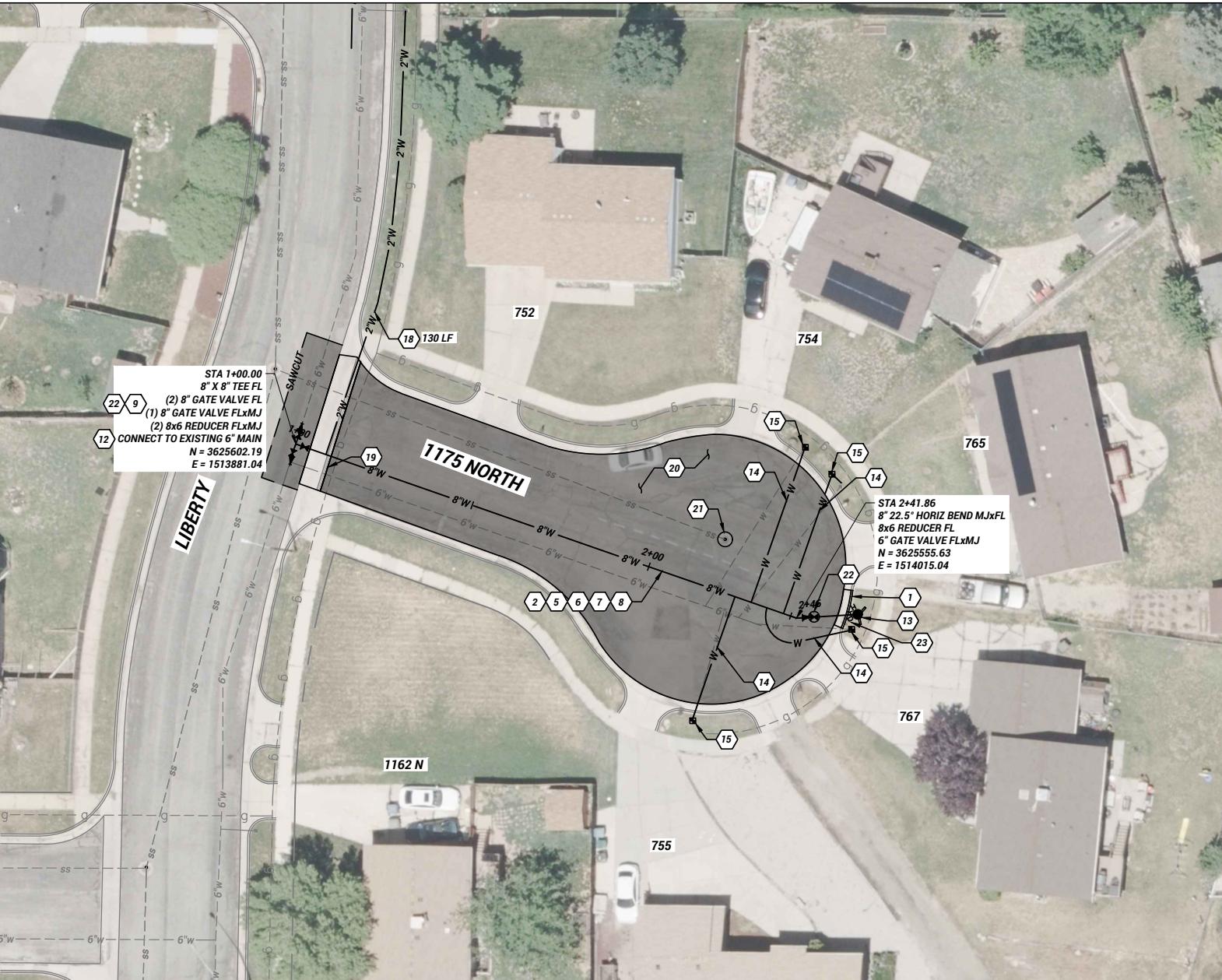
WATER LINE PLAN & PROFILE

MONROE WATER LINE PH II

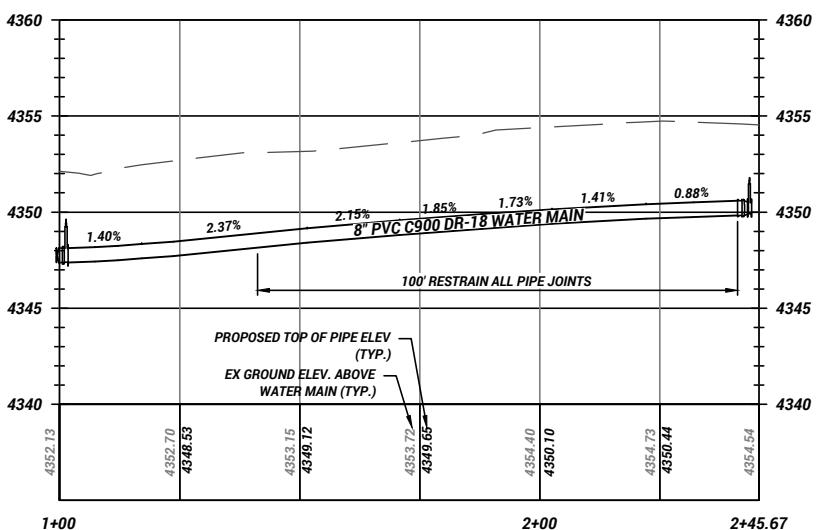
MONROE - 400 N TO 1100 N

The Ogden logo is a stylized, cursive script of the word "Ogden" in blue. To the right of the logo, the word "UTAH" is written in a smaller, all-caps, sans-serif font. Below "Ogden" and "UTAH", the tagline "Still Untamed" is written in a blue, cursive script font. To the right of the tagline, the address "149 Washington Blvd, Suite 760" is in blue, followed by "Ogden, UT 84401" in black. Below the address, the phone number "Phone: 801-629-3980" is in blue, and the website "engineering.ogdencity.com" is in black.

W7		0	REVISION
		9	SHEET
DESIGNED	BJM	DATE	
DRAWN	BJM	11/13/2023	
CHECKED	TDN		
 In 9800042-2203 BRADLEY 11/9/23			
DRAWING SCALE			
H:	T = 20'	(22x34)	
	T = 40'	(11x17)	This bar measures
V:	T = 5'	(22x34)	exactly one inch on
	T = 10'	(11x17)	the original drawing



PROPOSED 1175 N WATER MAIN PROFILE



KEYED NOTES:

- ① REMOVE AND REPLACE 30", TYPE "A" CONCRETE CURB AND GUTTER PER OGDEN STANDARDS.
- ② REMOVE ASPHALT PAVEMENT
- ③ REMOVE FIRE HYDRANT ASSEMBLY. SALVAGE OLD FIRE HYDRANT TO OGDEN CITY WATER DEPARTMENT UPON REQUEST.
- ④ REMOVE VALVE BOX.
- ⑤ ROADBASE APWA (GRADE 1", 8" THICK) PER STD DWG RD-2
- ⑥ 3" MINUS IMPORT GRANULAR BORROW
- ⑦ HMA T-PATCH PG 58-28 SP-1/2" CLASS II INSTALLATION, 6" THICK PER STD DWG RD-3. ENGINEER TO CONFIRM AND APPROVE MAXIMUM EXTENTS IN THE FIELD.
- ⑧ 8" PVC C900 DR-18 WATER LINE (3/8" MINUS SAND BEDDING)
- ⑨ 8" GATE VALVE (CLASS 250) PER STD DWG W-11, W-12
- ⑩ 12" PVC C900 DR-18 WATER LINE (3/8" MINUS SAND BEDDING)
- ⑪ 12" BUTTERFLY VALVE CLASS 250
- ⑫ EXISTING WATER MAIN CONNECTION
- ⑬ FIRE HYDRANT ASSEMBLY PER OGDEN CITY STDS
- ⑭ 1" AWWA C901 CTS POLY SERVICE LINE
- ⑮ 1" WATER METER ASSEMBLY PER OGDEN CITY STDS
- ⑯ TEMPORARY 2" JUMPER FEED FOR INITIAL WATER FEED
- ⑰ REMOVE & REPLACE CONCRETE WATERWAY PER OGDEN CITY STDS
- ⑲ 2" MILL/OVERLAY
- ⑳ LOWER, RAISE, AND COLLAR MANHOLE
- ㉑ LOWER, RAISE, AND COLLAR VALVE
- ㉒ LOWER, RAISE, AND COLLAR VALVE
- ㉓ RESET/REINSTALL EXISTING MAILBOX

SCALE
HORIZ 0 20 40
VERT 0 5 10



WATER LINE PLAN & PROFILE
MONROE WATER LINE PH II

W8		0	
10		REVISION	
DESIGNED	BJM	DATE	BJM
DRAWN	BJM	11/9/2023	TDN
CHECKED	BJM	REVIEWED	TDN
H:	T = 20' (22x34)	DRAWING SCALE	
	T = 40' (11x17)		This measures existing inches on the original drawing
V:	T = 5' (22x34)		
	T = 10' (11x17)		



MONROE - 400 N TO 1100 N

MONROE - 400 N TO 1100 N

PLOT DATE: 11/13/2023 3:41 PM

DRAWING NAME: North City WTR WB.dwg

DRAWING NUMBER: 2549 Washington Blvd, Suite 760 Ogden, UT 84401

Phone: 801-629-8960 engineering.ogdenity.com

NOTE:

- EXISTING SERVICE LINE INFORMATION:
 - 754 E - 1" COPPER, 3/4" METER
 - 765 E - 1" COPPER, 3/4" METER
 - 767 E - 1" COPPER, 3/4" METER
 - 755 E - 1" POLY, 3/4" METER

- ALL SERVICE LATERALS SHOWN HERE WILL NEED TO BE OPEN TRENCHED IN THE ROADWAY, AND PULLED/SHOT BELOW CURB (NO TUNNELING/UNDERMINING).

- PROVIDE THE PROPOSED WATER MAIN WITH A TEMPORARY 2" JUMPER LINE FROM THE NEAREST HYDRANT. JUMPER LINE WILL NEED TO BE DISINFLICTED AND SAMPLED BEFORE CONNECTING IT TO THE WATER MAIN FOR A WATER FEED.

- ALL EXISTING SEWER LATERALS ON 1175 NORTH SHALL BE LOCATED BY THE CONTRACTOR AND SHALL BE VIDEO INSPECTED BOTH BEFORE AND AFTER CONSTRUCTION OF THE WATER LINE (BEFORE PAVING).

5. EXISTING PRESSURES:

1175 N TOP OF CUL-DE-SAC = 66 PSI,
1175 N & LIBERTY = 67 PSI

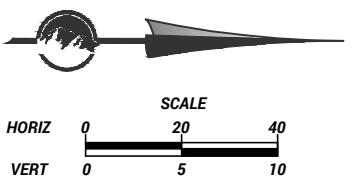
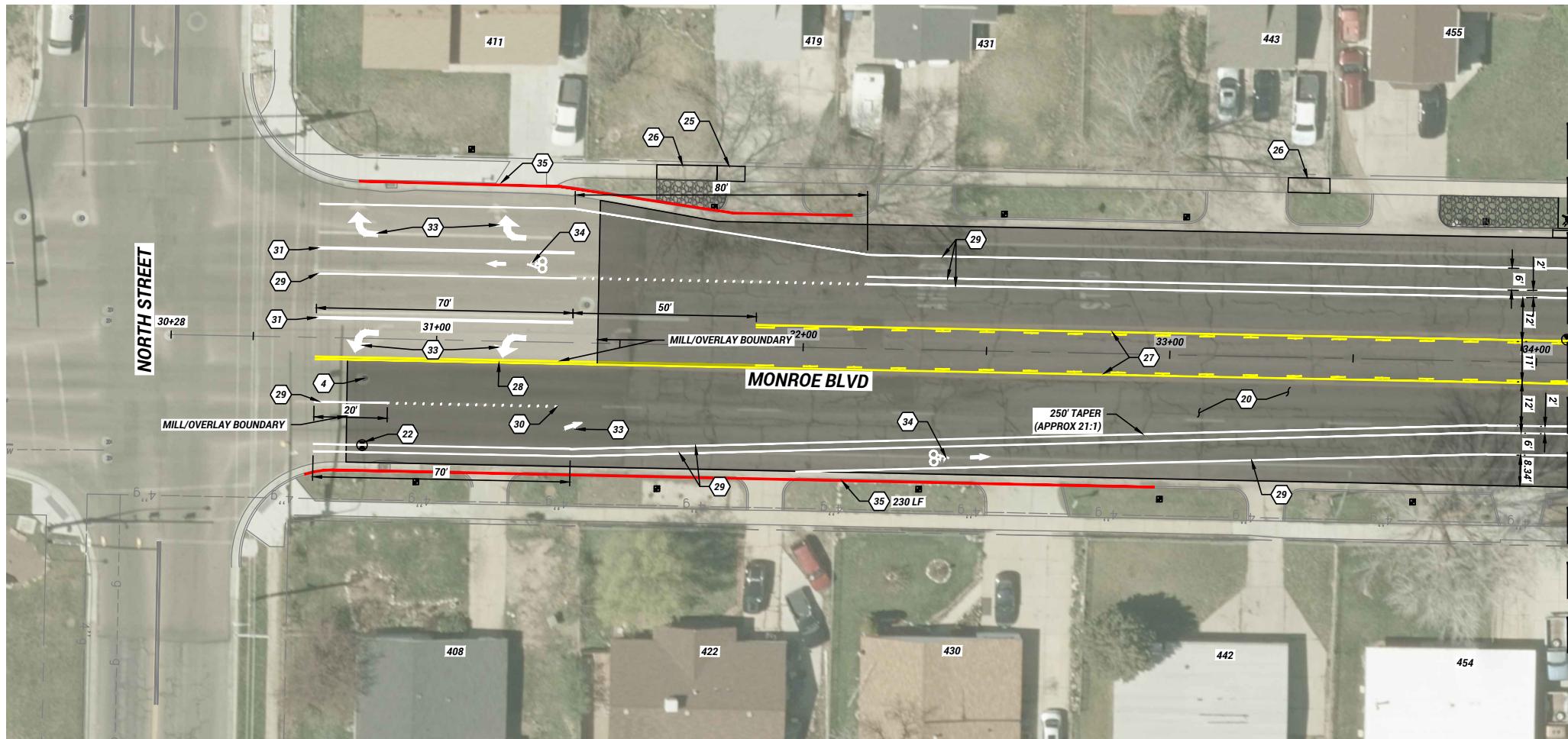
- ALL OF 1175 N CUL-DE-SAC WILL HAVE A 2" MILL/OVERLAY AS PART OF THE CONTRACT, AFTER PATCHING IS COMPLETED.

7. PROPOSED HYDRANT MODEL DATA:

STATIC PRESSURE: 66.74 psi
RESIDUAL PRESSURE @ 1500 gpm: 43.37 psi
AVAILABLE FLOW @ 20 psi: 2328 gpm
HYDRANT BONNET/CAPS COLOR: JAY BLUE

Ogden
UTAH
Still Untamed™

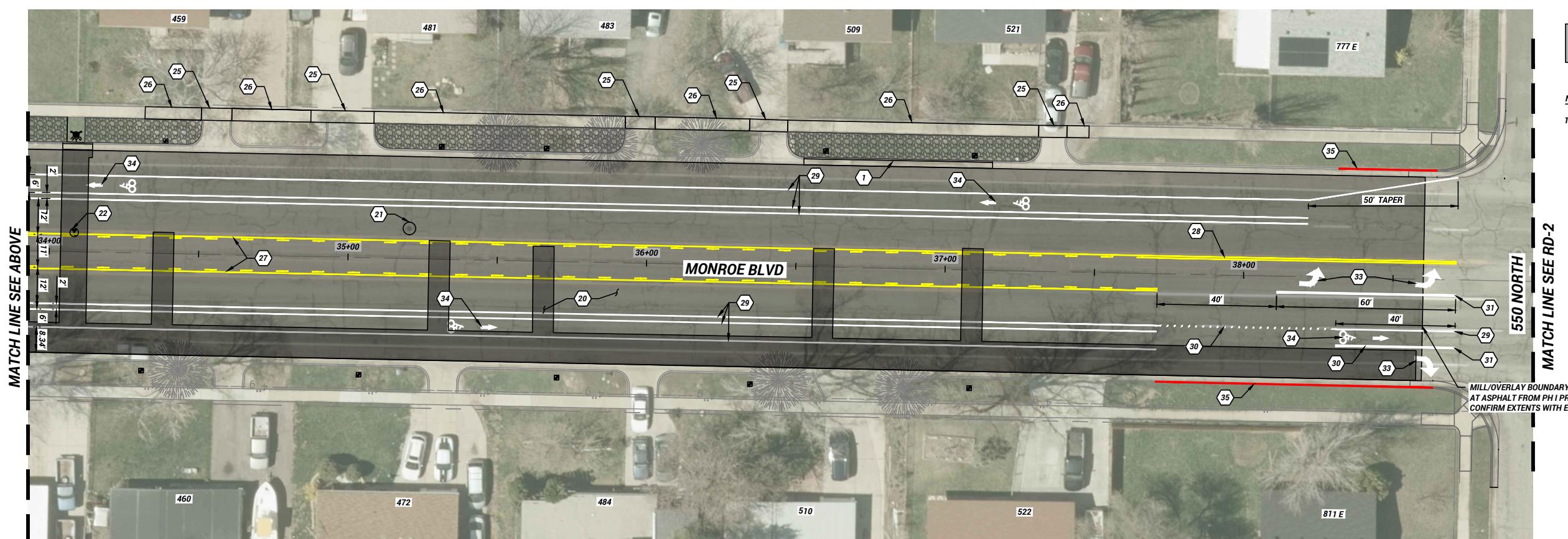
2549 Washington Blvd, Suite 760 Ogden, UT 84401
Phone: 801-629-8960 engineering.ogdenity.com



KEYED NOTES:

- 1 REMOVE AND REPLACE 30", TYPE "A" CONCRETE CURB AND GUTTER PER OGDEN STANDARDS.
- 4 REMOVE VALVE BOX.
- 20 2" MILL & OVERLAY (HMA PG 58-28 SP-1/2" CLASS II)
- 21 EXISTING MANHOLE - ADJUST TO GRADE
- 22 VALVE BOX - ADJUST TO GRADE
- 24 REMOVE & REPLACE CONCRETE FLATWORK (DRIVeway APRONS, PEDRAMPS) 6" THICK, (6" THICK BASE)
- 25 REMOVE & REPLACE CONCRETE SIDEWALK 6" THICK (6" THICK BASE)
- 26 REMOVE & REPLACE CONCRETE SIDEWALK 4" THICK (4" THICK BASE)
- 27 PAVEMENT MARKING PAINT (4" YELLOW SKIPPED/SOLID LINE)
- 28 PAVEMENT MARKING PAINT (4" DOUBLE YELLOW LINE)
- 29 PAVEMENT MARKING PAINT (4" SOLID WHITE)
- 30 PAVEMENT MARKING PAINT (4" DOTTED WHITE)
- 31 PAVEMENT MARKING PAINT (8" SOLID WHITE)
- 32 PAVEMENT MARKING PAINT (12" SOLID WHITE)
- 33 PAVEMENT MESSAGE PAINT (TURN/MERGE ARROW)
- 34 PAVEMENT MESSAGE PAINT (BIKE SYMBOL & ARROW)
- 35 RED CURB PAINTING
- 36 2" MINUS NATURAL GRAY LANDSCAPING ROCK & WEED BARRIER FABRIC

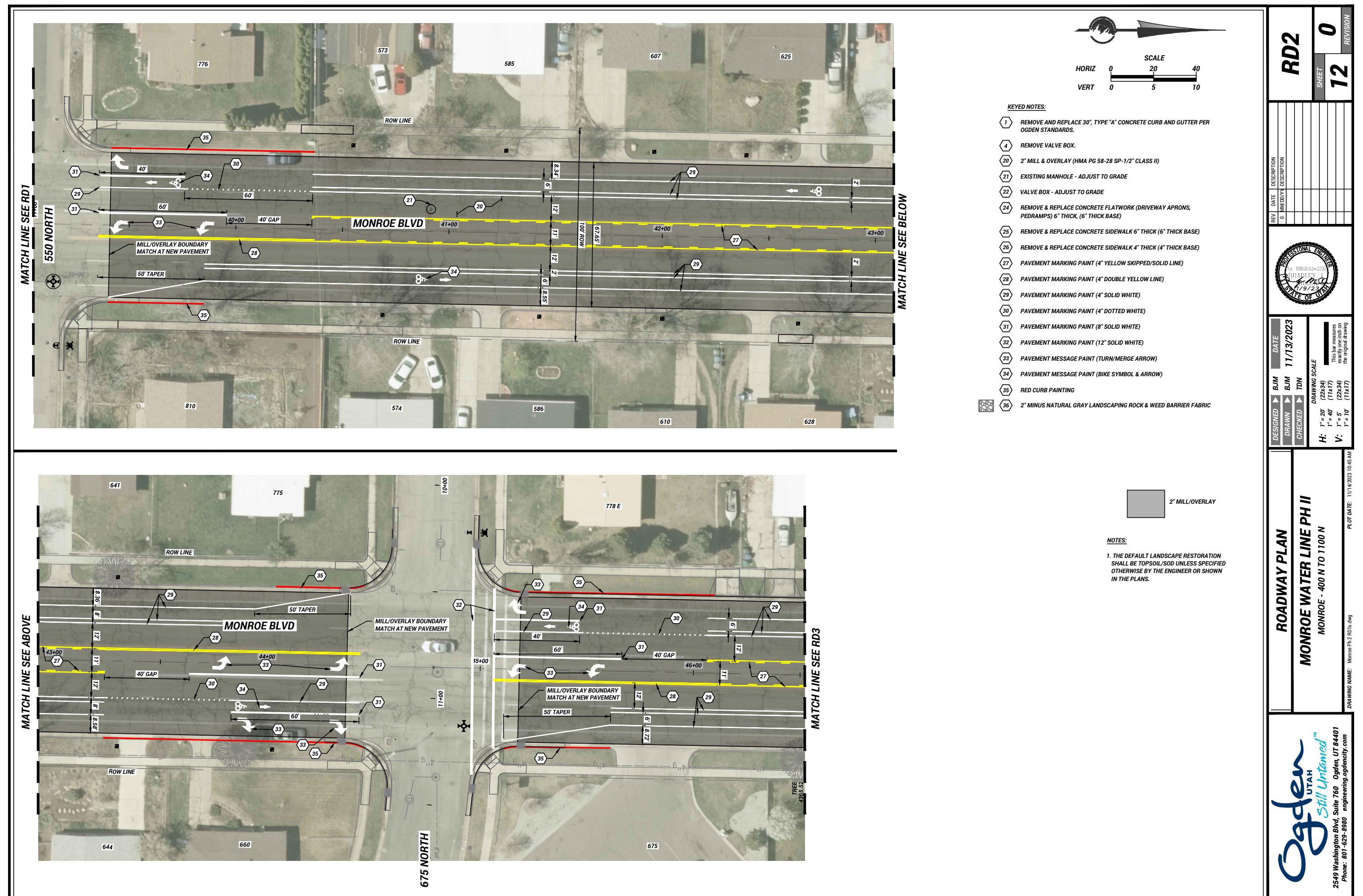
RD1		0	REVISION					
11								
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PROFESSIONAL ENGINEER								
BRADLEY J.								
STATE OF UTAH								
9800042-220								
11/13/23								
DESIGNED	BJM	DATE						
DRAWN	BJM	REVISION						
CHECKED	TDN							
		DRAWING SCALE						
		H: T=20' (22x34) V: T=40' (11x17)	This drawing measures 22x34 inches on the original drawing					
			(22x34) (11x17)					

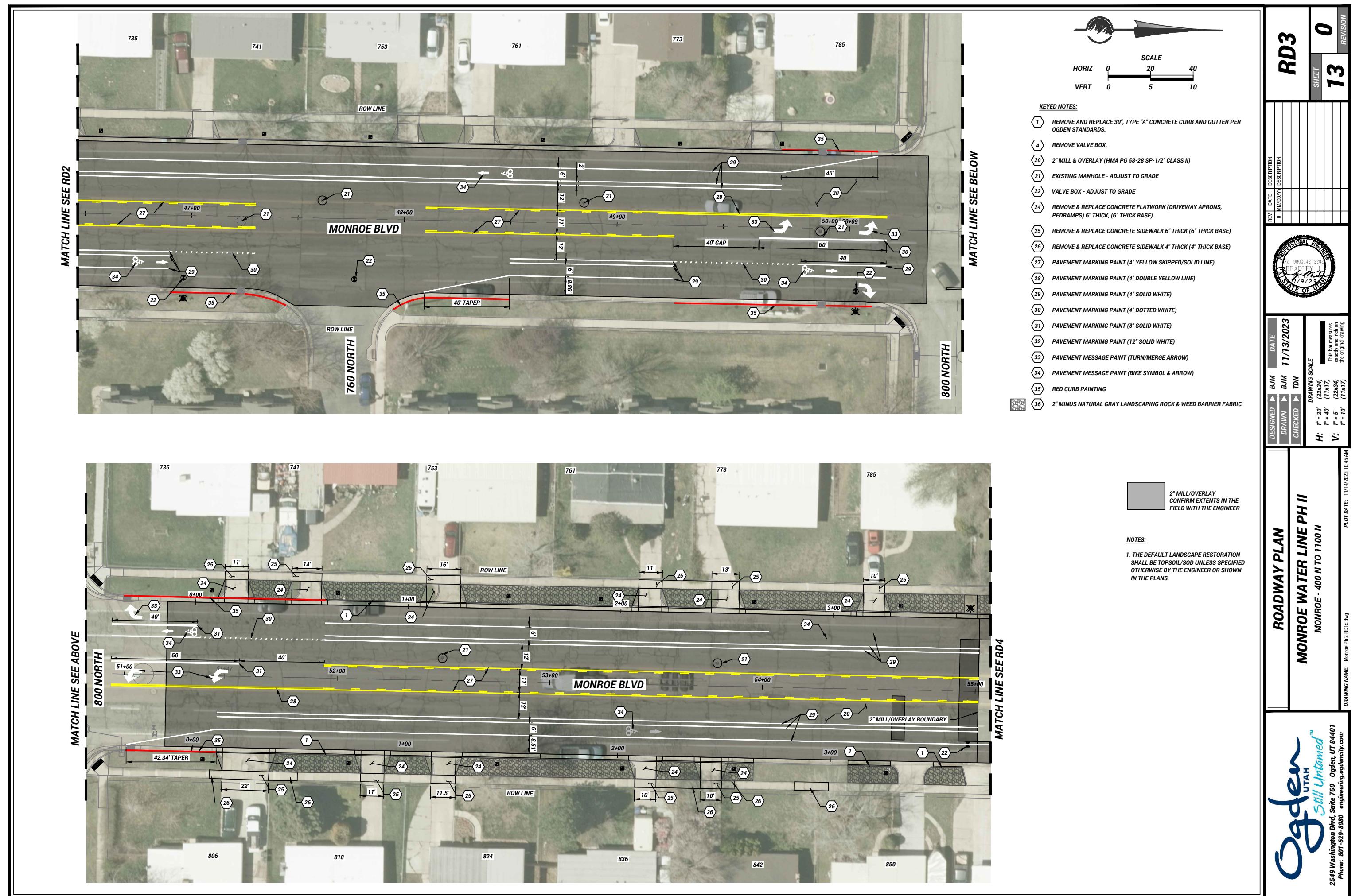


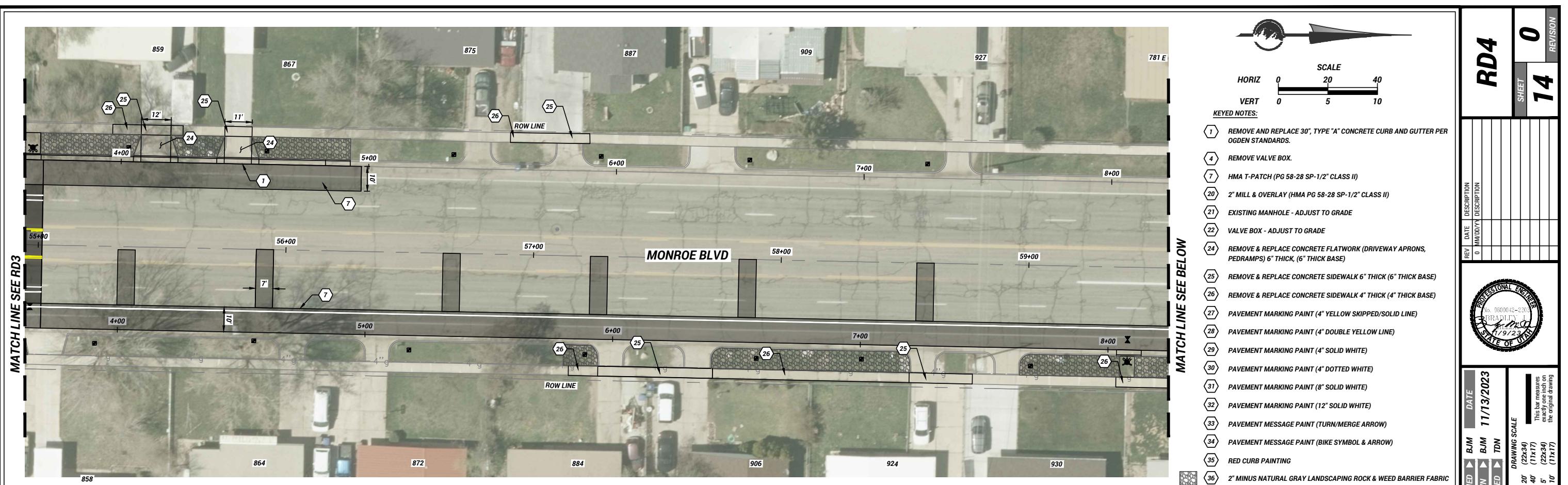
NOTES:

1. THE DEFAULT LANDSCAPE RESTORATION SHALL BE TOPSOIL/SOD UNLESS SPECIFIED OTHERWISE BY THE ENGINEER OR SHOWN IN THE PLANS.

ROADWAY PLAN		MONROE WATER LINE PH II
MONROE - 400 N TO 1100 N		
PLOT DATE: 11/14/2023 10:45 AM		
DRAWING NAME: Monroe Ph 2 RD1x.dwg		







SCALE
HORIZ 0 20 40
VERT 0 5 10

KEYED NOTES:

- 1 REMOVE AND REPLACE 30", TYPE "A" CONCRETE CURB AND GUTTER PER OGDEN STANDARDS.
- 4 REMOVE VALVE BOX.
- 7 HMA T-PATCH (PG 58-28 SP-1/2" CLASS II)
- 20 2" MILL & OVERLAY (HMA PG 58-28 SP-1/2" CLASS II)
- 21 EXISTING MANHOLE - ADJUST TO GRADE
- 22 VALVE BOX - ADJUST TO GRADE
- 24 REMOVE & REPLACE CONCRETE FLATWORK (DRIVeway APRONS, PEDRAMPS) 6" THICK, (6" THICK BASE)
- 25 REMOVE & REPLACE CONCRETE SIDEWALK 6" THICK (6" THICK BASE)
- 26 REMOVE & REPLACE CONCRETE SIDEWALK 4" THICK (4" THICK BASE)
- 27 PAVEMENT MARKING PAINT (4" YELLOW SKIPPED/SOLID LINE)
- 28 PAVEMENT MARKING PAINT (4" DOUBLE YELLOW LINE)
- 29 PAVEMENT MARKING PAINT (4" SOLID WHITE)
- 30 PAVEMENT MARKING PAINT (4" DOTTED WHITE)
- 31 PAVEMENT MARKING PAINT (8" SOLID WHITE)
- 32 PAVEMENT MARKING PAINT (12" SOLID WHITE)
- 33 PAVEMENT MESSAGE PAINT (TURN/MERGE ARROW)
- 34 PAVEMENT MESSAGE PAINT (BIKE SYMBOL & ARROW)
- 35 RED CURB PAINTING
- 36 2" MINUS NATURAL GRAY LANDSCAPING ROCK & WEED BARRIER FABRIC

RD4
0
14
REVISION



DESIGNED	BJM	DATE
DRAWN	BJM	11/13/2023
CHECKED	TDN	

H: T= 20' (22x34)	DRAWING SCALE
V: T= 40' (11x17)	This has one inch less overall width than the original drawing
H: T= 5' (22x34)	
V: T= 10' (11x17)	
	PLOT DATE: 11/14/2023 10:46 AM

