

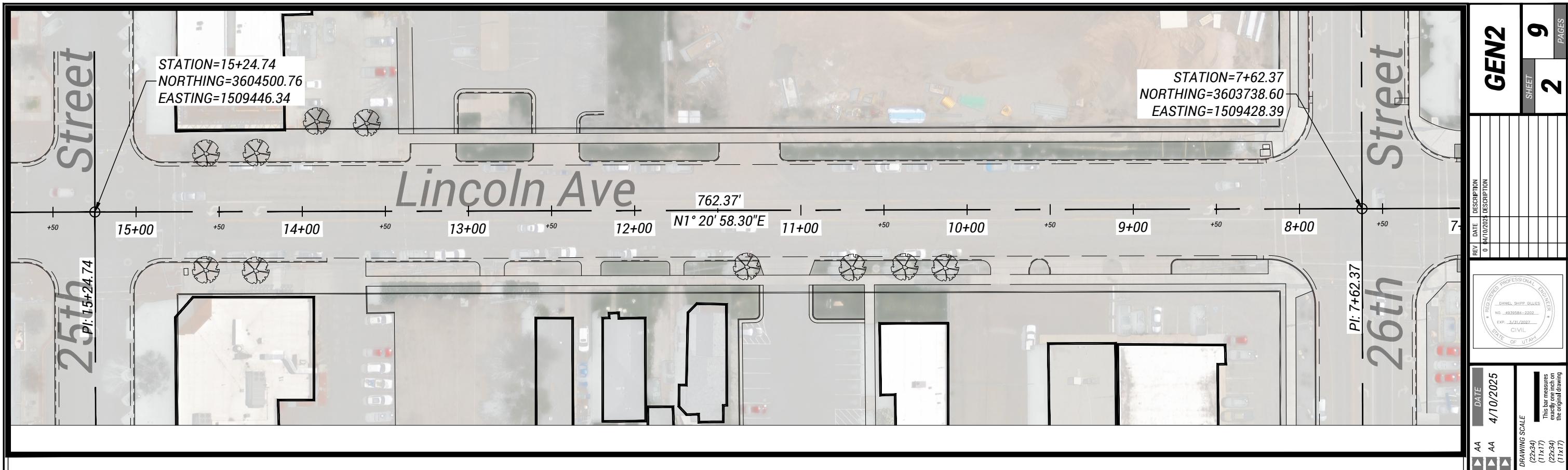
Lincoln Ave 25th to 26th Sewer and Water Improvements



PLAN SHEETS

- 1 GEN 1 - COVER SHEET
- 2 GEN 2 - BASIS OF BEARINGS
- 3 DEMO 1 - DEMOLITION PLAN
- 4 CW 1 - CULINARY WATER PLAN
- 5 SS 1 - SANITARY SEWER PLAN
- 6 RDWY 1 - ROADWAY RESTORATION
- 7 - STD 1 - STANDARD DRAWINGS
- 8 - STD 2 - STANDARD DRAWINGS
- 9 - STD 3 - STANDARD DRAWINGS

GEN 1																															
SHEET	1																														
9 PAGES																															
<table border="1"><tr><td>REV</td><td>DATE</td><td>DESCRIPTION</td></tr><tr><td>0</td><td>4/10/2025</td><td>DESCRIPTION</td></tr><tr><td colspan="3">* REGISTERED PROFESSIONAL ENGINEER DANIEL SHIPP SEIERS NO. 4929584-2202 EXP. 3/31/2027 CIVIL STATE OF UTAH</td></tr><tr><td>DESIGNED</td><td>AA</td><td>DATE</td></tr><tr><td>DRAWN</td><td>AA</td><td>4/10/2025</td></tr><tr><td colspan="2">CHECKED</td><td></td></tr><tr><td colspan="3">DRAWING SCALE</td></tr><tr><td>H:</td><td>1" =</td><td>(22x34) (11x17)</td></tr><tr><td>V:</td><td>1" =</td><td>(22x34) (11x17)</td></tr><tr><td colspan="3">This bar measures exactly one inch on the original drawing</td></tr></table>		REV	DATE	DESCRIPTION	0	4/10/2025	DESCRIPTION	* REGISTERED PROFESSIONAL ENGINEER DANIEL SHIPP SEIERS NO. 4929584-2202 EXP. 3/31/2027 CIVIL STATE OF UTAH			DESIGNED	AA	DATE	DRAWN	AA	4/10/2025	CHECKED			DRAWING SCALE			H:	1" =	(22x34) (11x17)	V:	1" =	(22x34) (11x17)	This bar measures exactly one inch on the original drawing		
REV	DATE	DESCRIPTION																													
0	4/10/2025	DESCRIPTION																													
* REGISTERED PROFESSIONAL ENGINEER DANIEL SHIPP SEIERS NO. 4929584-2202 EXP. 3/31/2027 CIVIL STATE OF UTAH																															
DESIGNED	AA	DATE																													
DRAWN	AA	4/10/2025																													
CHECKED																															
DRAWING SCALE																															
H:	1" =	(22x34) (11x17)																													
V:	1" =	(22x34) (11x17)																													
This bar measures exactly one inch on the original drawing																															
COVER SHEET																															
LINCOLN AVE SEWER AND WATER IMPROVEMENTS																															
Lincoln Ave: 25TH to 26TH																															
PLOT DATE: 6/12/2025 1:39 PM																															
DRAWING NAME: Lincoln Ave_Alex_May_5-27-25 DS.dwg																															
2549 Washington Blvd, Suite 760 Ogden, UT 84401																															
Phone: 801-629-8980 engineering.ogdenity.com																															



GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE CURRENT EDITION OF THE "MANUAL OF STANDARD SPECIFICATIONS" AND "MANUAL OF STANDARD PLANS" PREPARED BY THE UTAH CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION AND OGDEN CITY AMENDMENTS TO SUCH STANDARD SPECIFICATIONS AND STANDARD PLANS UNLESS SPECIFIED OTHERWISE.
2. THE CONTRACTOR SHALL FULLY COMPLY WITH THE CONDITIONS OF THE UDOT PERMIT AND/OR OGDEN CITY ORDINANCES, POLICIES, REGULATIONS, SPECIFICATIONS AND STANDARDS RELATIVE TO WORK IN THE PUBLIC WAY AS APPLICABLE.
3. ALL EXISTING VALVES BEING ABANDONED SHALL HAVE SURFACE IMPROVEMENTS (RISER, COVER, AND CONCRETE COLLAR) REMOVED AND SURFACE REPAIRED.
4. ALL PAVING AND RESURFACING SHALL BE COMPLETE WITHIN 3 CALENDAR DAYS FROM THE TIME OF EXCAVATION UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
5. NO BACKFILL SHALL OCCUR UNTIL INSPECTED AND APPROVED.
6. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS DURING ALL PHASES OF PROJECT.
7. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE PROSECUTED TO COMPLETION WITH DILIGENCE AND EXPEDITION AND RESTORE THE PUBLIC RIGHT OF WAY TO CITY SPECS WITHOUT DELAY AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND THE PUBLIC.
8. CONTRACTOR IS RESPONSIBLE TO RESTORE ALL LAND WHETHER PUBLIC OWNERSHIP OR PRIVATE OWNERSHIP, TO ITS ORIGINAL STATE.
9. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY CONSTRUCTION FACILITIES, WATER, POWER, SANITATION, AND TELEPHONE SERVICE AS NEEDED.
10. CONTRACTOR IS RESPONSIBLE TO LOCATE ALL EXISTING WATER, SEWER, ELECTRICAL, GAS AND OTHER UTILITY LINES.
11. CONTRACTOR IS RESPONSIBLE TO SUBMIT AS-BUILT DRAWINGS TO THE CITY PRIOR TO FINAL PAYMENT.
12. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING COMPLETION OF WORK. REASONABLE WEAR EXCEPTED.

PIPING NOTES

1. CONTRACTOR IS RESPONSIBLE FOR ALL PIPE FABRICATION AND SIZING (PVC-C900).
2. MINIMUM COVER REQUIRED SHALL BE 60 INCHES WITHIN UDOT R.O.W. AND 48 INCHES IN OGDEN CITY R.O.W.
3. ALL WORK SHALL HAVE 18" MINIMUM CLEARANCE FROM ALL OTHER UTILITIES.
4. CONTRACTOR TO REPLACE ALL EXISTING ACTIVE SERVICES WITH POLY PIPING; UPSIZING SERVICES LESS THAN 1" TO 1" AND REPLACING IN LIKE SIZE FOR SERVICES GREATER THAN 1" FROM WATER MAIN TO METER BOX.
5. WATER SERVICES TO BE LOOPED UNDER EXISTING UTILITIES SO TO MAINTAIN MINIMUM COVER OF 60" FROM FINISH GRADE.
6. SECURE ALL MECHANICAL JOINTS (MJ) FITTINGS WITH MEGALUGS.
7. MINIMUM MECHANICAL BEND RADIUS ON SERVICES WILL BE 4".
8. FITTINGS CONNECTED TO OTHER FITTINGS WILL BE FLANGED CONNECTIONS UNLESS NOTED IN THE PLANS.
9. ABANDONED LINES SHALL BE CAPPED WITH A CONCRETE PLUG.
10. OLD FIRE HYDRANTS REMOVED SHALL BE SALVAGED AND TURNED OVER TO OGDEN CITY.
11. OWNER RESERVES THE RIGHT TO MAKE CHANGES IN ALIGNMENT, CONNECTION DETAIL, ETC. AS FELT TO BE IN THE BEST INTEREST OF THE PROJECT AT NO CHANGE IN UNIT PRICES FOR PIPING, FITTINGS, ETC.
12. DUCTILE IRON CLASS 350 PIPE, SPOOLS, AND FITTINGS SHALL HAVE THE FOLLOWING COATINGS.
 - A. INTERIOR COATING SHALL BE CEMENT MORTAR.
 - B. EXTERIOR COATING SHALL BE ASPHALT COATING, 1 MIL. MIN. THICKNESS AND WRAPPED WITH POLYETHYLENE PER ANSI/AWWA C105.
13. ALL DUCTILE IRON PIPE FITTINGS AND SPOOLS SHALL BE 350 PSI WORKING PRESSURE.
14. ALL BOLTS ON PIPING (FLANGE BOLTS, ALL THREADS, TIE RODS, ETC.) TO RECEIVE TWO COATS OF NO-OXIDE WAX FOLLOWING INSTALLATION.
15. CONCRETE THRUST BLOCKING: SHALL OCCUR AT TAPS, TEMPORARY DEAD ENDS AND AT THE BASE OF ALL HYDRANTS. ALL OTHER LOCATIONS SHALL RELY ON RESTRAINED JOINTS TO HANDLE THRUST.

EXCAVATION NOTES

1. EXCAVATED MATERIAL MAY NOT BE USED AS BACKFILL IN THE PIPE ZONE.
2. EXCAVATION SHALL BE DONE IN ACCORDANCE WITH OSHA REQUIREMENTS (LATEST REVISION).
3. TEMPORARY SHORING OF THE EXCAVATION, IF REQUIRED, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

UTILITY LOCATION

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS IS BASED ON INFORMATION GATHERED FROM UTILITIES AND/OR FROM ABOVE-GROUND STRUCTURES OR EVIDENCE FOUND AT THE TIME OF SURVEY. AS SUCH, THE UNDERGROUND INFORMATION IS A BEST ESTIMATE. OGDEN CITY DOES NOT REPRESENT OR GUARANTEE THAT THE UNDERGROUND INFORMATION PROVIDED IS CORRECT OR UP TO DATE.

IT SHALL BE THE CONTRACTORS FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. CALL BLUESTAKES A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY DIGGING OR UTILITY WORK.

NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY THE CONTRACTORS ACTIONS.

COORDINATION

1. ALL WATERLINE SHUT DOWNS WILL REQUIRE FIVE WORKING DAYS NOTICE FOR COMMERCIAL AND THREE WORKING DAYS NOTICE FOR RESIDENTIAL. CONTRACTOR IS TO COORDINATE WITH OGDEN CITY FOR SHUT DOWN DATES AND TIMES. CONTRACTOR WILL PROVIDE NOTICES AND OGDEN CITY WATER WILL PERFORM VALVE SHUT DOWNS.
2. ALL CULINARY WATER TAPS SHALL BE COORDINATED WITH OGDEN CITY WATER DEPARTMENT AND ENGINEER FOR LOCATION OF TAPS AND LATERAL REPLACEMENT. OGDEN CITY WATER TO TAP ALL CONNECTIONS.
3. APPLICATION FOR INSPECTION BY OGDEN CITY ENGINEERING SHALL BE MADE BY THE CONTRACTOR A MINIMUM OF 24 HOURS BEFORE SERVICES ARE REQUIRED.

EXCESS MATERIAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL EXCESS OR UNSUITABLE MATERIALS OFF SITE. THIS INCLUDES CLEARED AND GRUBBED MATERIAL, TREES, BRUSH, FENCING, PIPING, CONCRETE OR ANY OTHER MATERIALS THAT CANNOT BE USED IN CONJUNCTION WITH THE PROJECT.
2. THE CONTRACTOR WILL BE RESPONSIBLE TO OBTAIN A SUITABLE SITE FOR DISPOSAL OF EXCESS OR REJECTED MATERIALS.

CONTACTS

UTILITY COMPANIES:

BLUE STAKES 800-662-4111
DOMINION ENERGY MARK WALL 801-324-3503
ROCKY MOUNTAIN POWER CRAIG BRUESTLE 801-629-4430
UDOT WES EGGLESTON 801-648-8050

OGDEN CITY:

OGDEN CITY ENGINEERING DANIEL GILLIES 629-8991
OGDEN CITY ENGINEERING ALEX ANDERSON 629-8981
WATER DAVID LAMAY 629-8384
SEWER BILL SIMPSON 629-8331
URBAN FORESTER DAMIEN REEVES 629-8369

UDOT:

GENERAL NUMBER: 801-620-1600

BASIS OF BEARINGS

LINCOLN AVE SEWER AND WATER IMPROVEMENTS

Lincoln Ave: 25TH to 26TH

PLOT DATE: 6/12/2025 1:40 PM

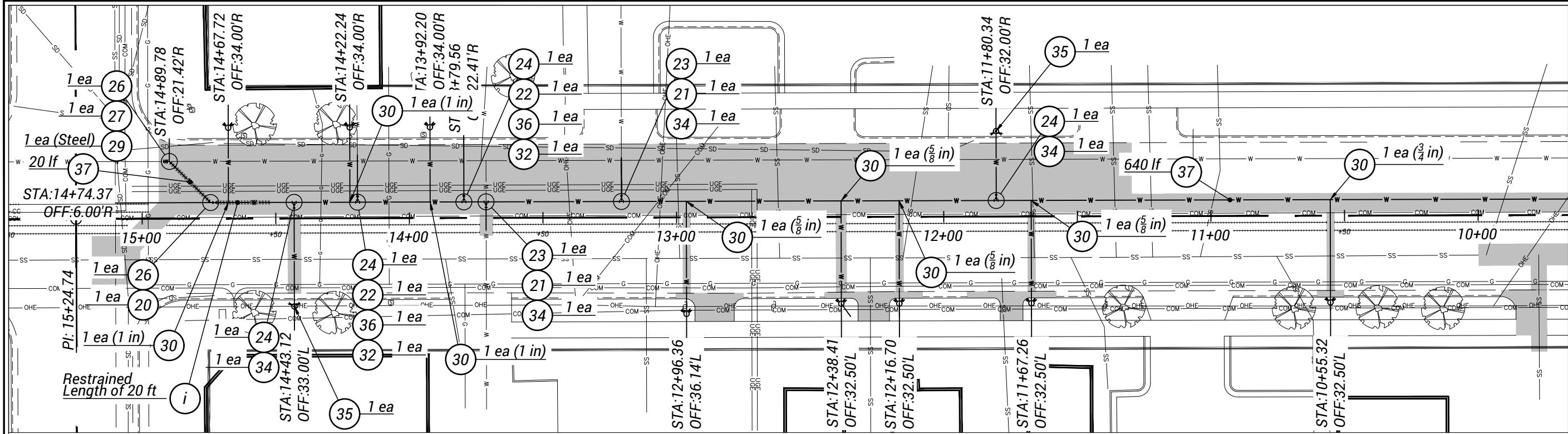
DRAWING NAME: Lincoln Ave_Aux_May_27-25 DSg.dwg

DESIGNED AA DRAWN AA CHECKED AA
DRAWING SCALE H: 1" = (22x34) 1" = (11x17)
V: 1" = (22x34) 1" = (11x17)

9 PAGES

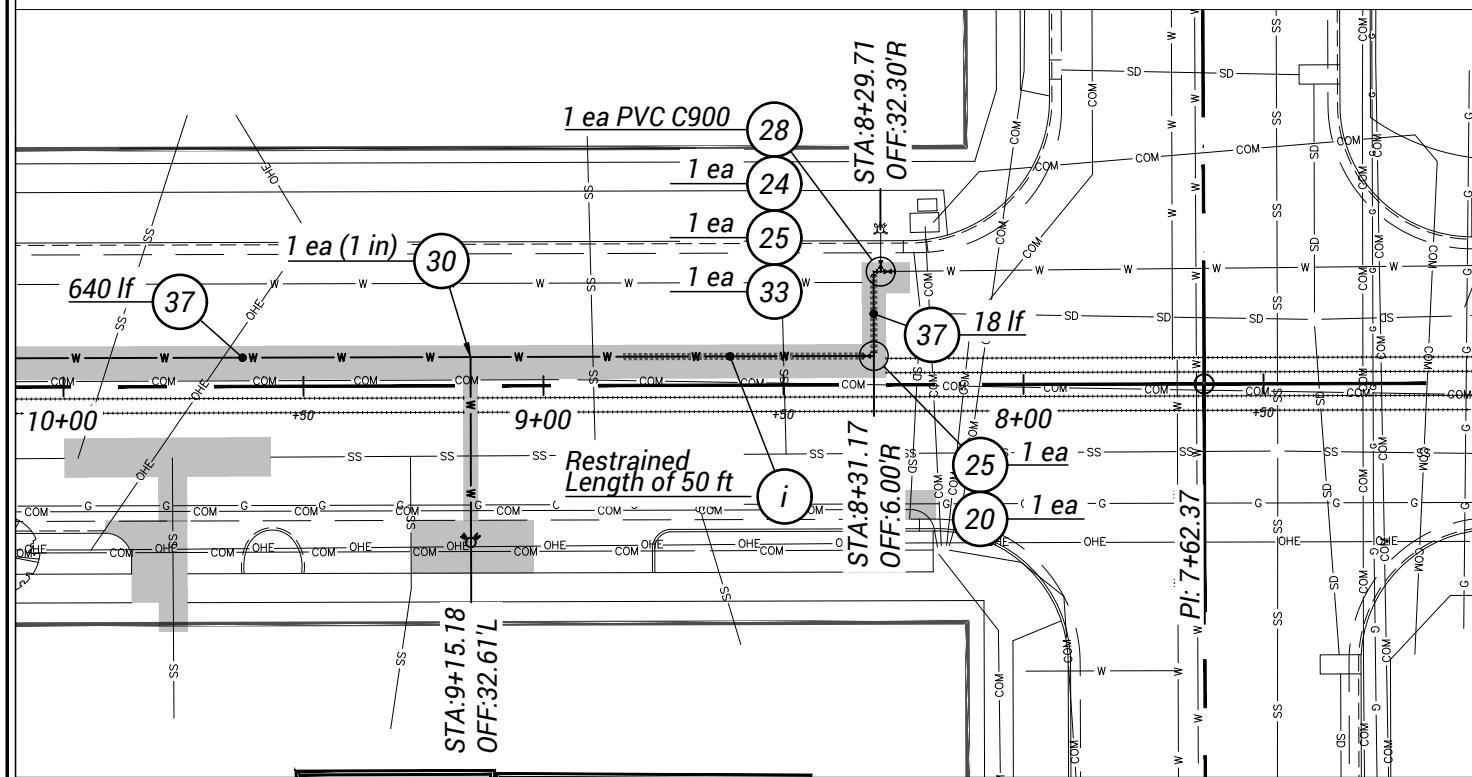
GEN2

2 SHEET



CULINARY WATER

● <i>i</i> Information	● 24 12"x6" Tee	● 29 8" Coupler	● 34 8" Fireline Reinforcement
● 20 12" Butterfly Valve	● 25 12" 90d Bend	● 30 Connect Meter & Service Line	● 35 Ogden Std Fire Hydrant Assembly
● 21 8" Gate Valve	● 26 12" 45d Bend	● 31 Not Used	● 36 6"-4" Reducer
● 22 6" Gate Valve	● 27 12"-8" Reducer	● 32 4" Fireline Reinforcement	● 37 12" Ductile Iron Class 350 Pipe
● 23 12"x8" Tee	● 28 12" Coupler	● 33 6" Fireline Reinforcement	



NORTH

25th Street

26th Street

Lincoln Ave

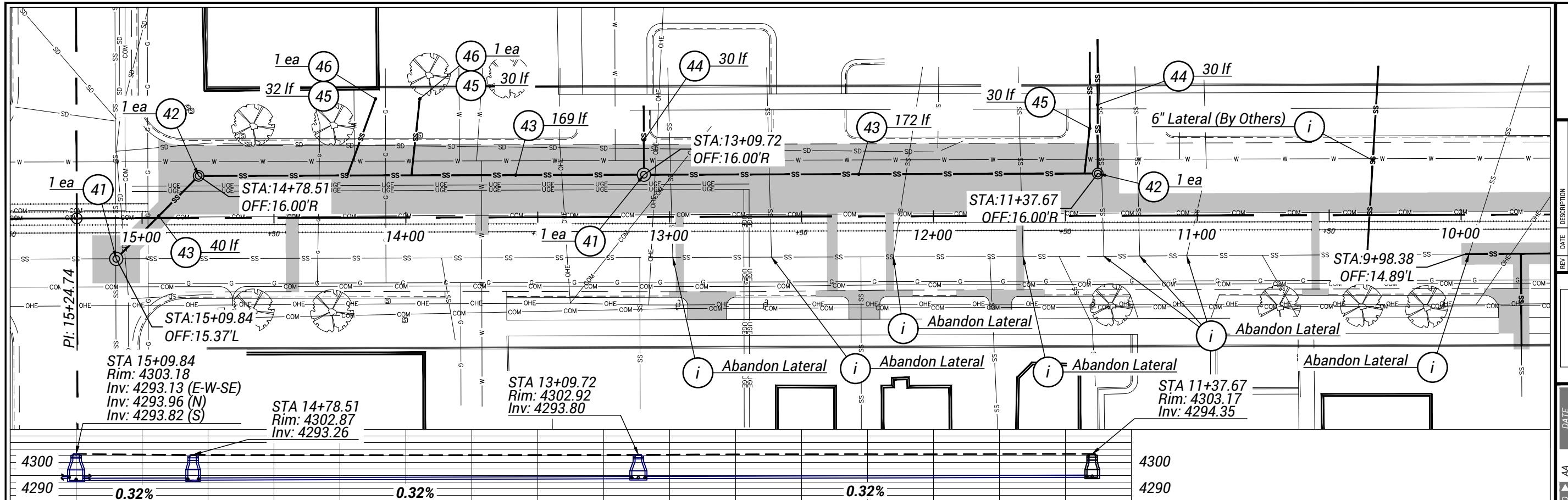
SCALE

HORIZ 0 20 40

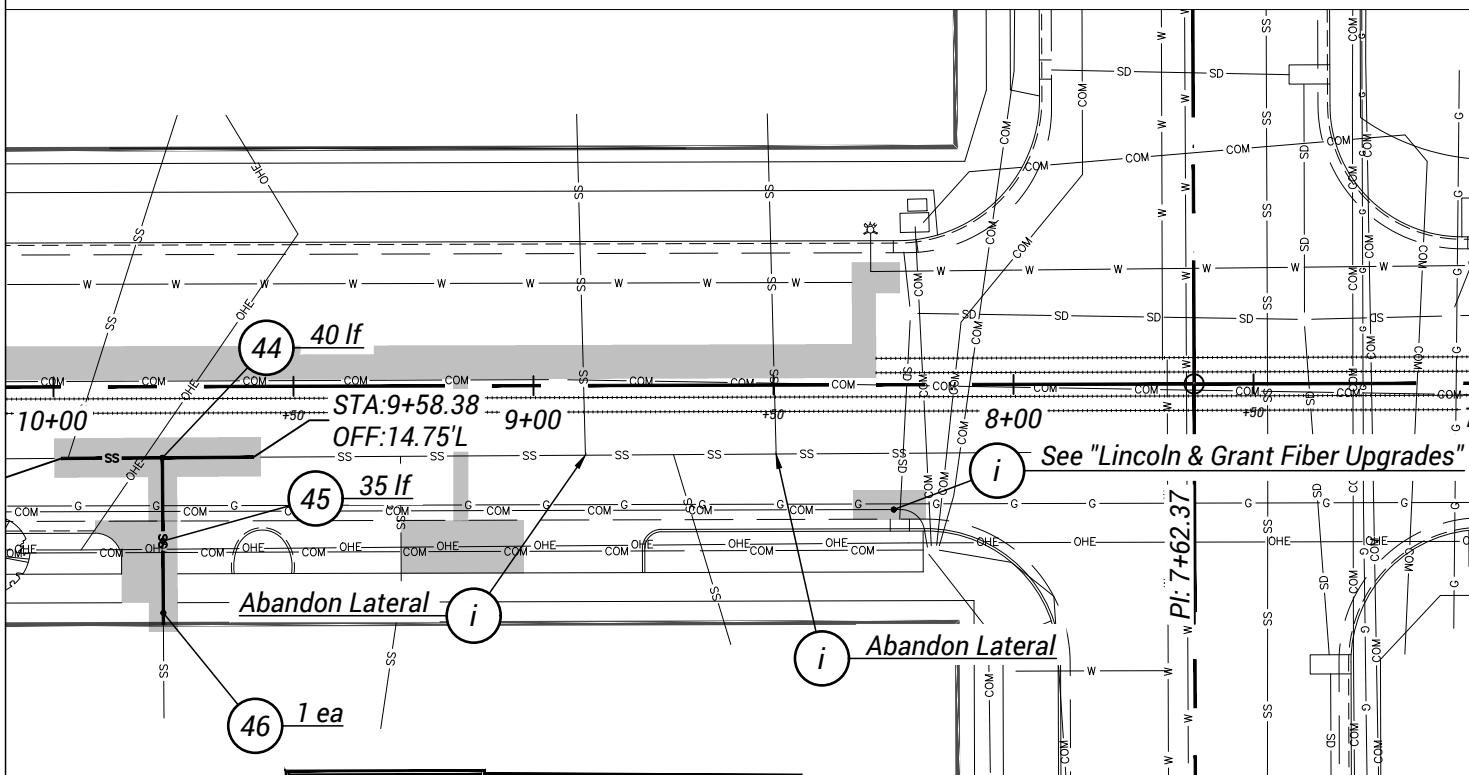
VERT 0 5 10

CW 1	
SHEET	4
PAGES	9
REV	0
DATE	4/10/2025
DESCRIPTION	04/10/2025 DESCRIPTION
DESIGNED	AA
DRAWN	AA
CHECKED	AA
DRAWING SCALE	1" = 22x34" (22x34")
H:	1" = 11x17" (11x17")
V:	1" = 22x34" (22x34")
This bar measures exactly one inch on the original drawing	
REGISTERED PROFESSIONAL ENGINEER	
DANIEL SHIPP SEALS	
NO. 4920584-2202	
EXP. 3/31/2027	
CIVIL	
STATE OF UTAH	

CULINARY WATER	
LINCOLN AVE SEWER AND WATERLINE IMPROVEMENTS	
Lincoln Ave: 25th Street to 26th Street	
DRAWING NAME: Lincoln_Ave_Mex_52725.DWG	
PLOT DATE: 6/12/2025 1:43 PM	



SANITARY SEWER & FIBER CONDUIT



NORTH

25th Street

NORTH

26th Street

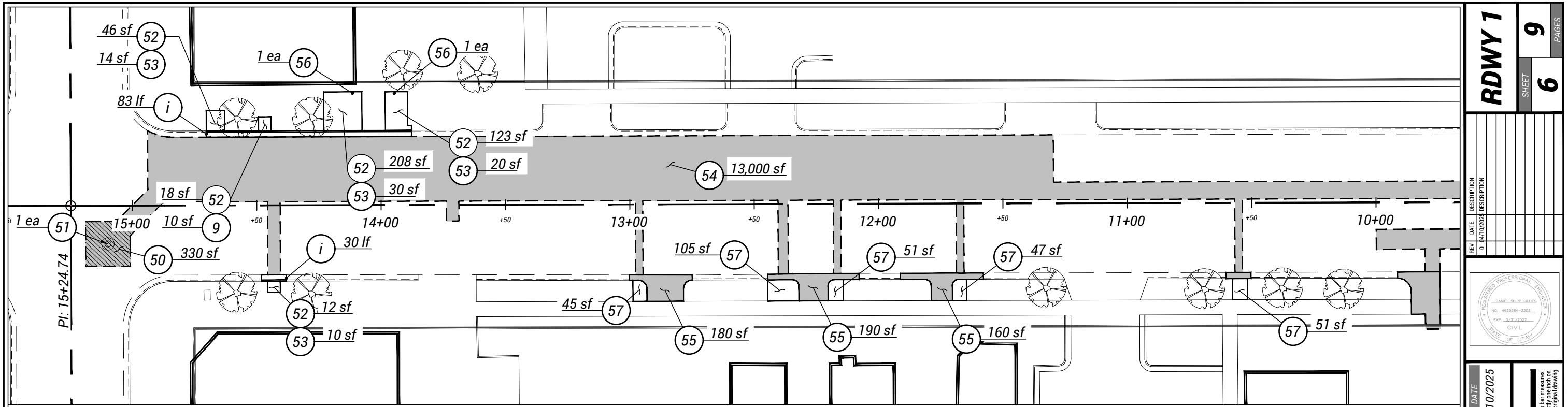
Lincoln Ave

SCALE
HORIZ 0 20 40
VERT 0 5 10

- i Information
- 44 8" SDR 35
- 45 6" SDR 35
- 46 Road Rated Cleanout
- 40 Not Used
- 41 5' SSMH
- 42 4' SSMH
- 43 10" SDR 35

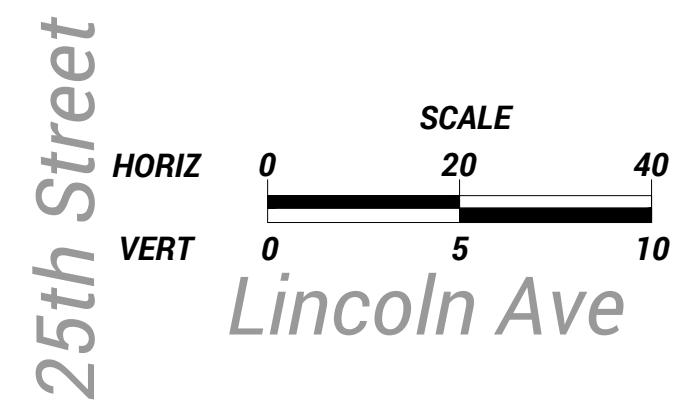
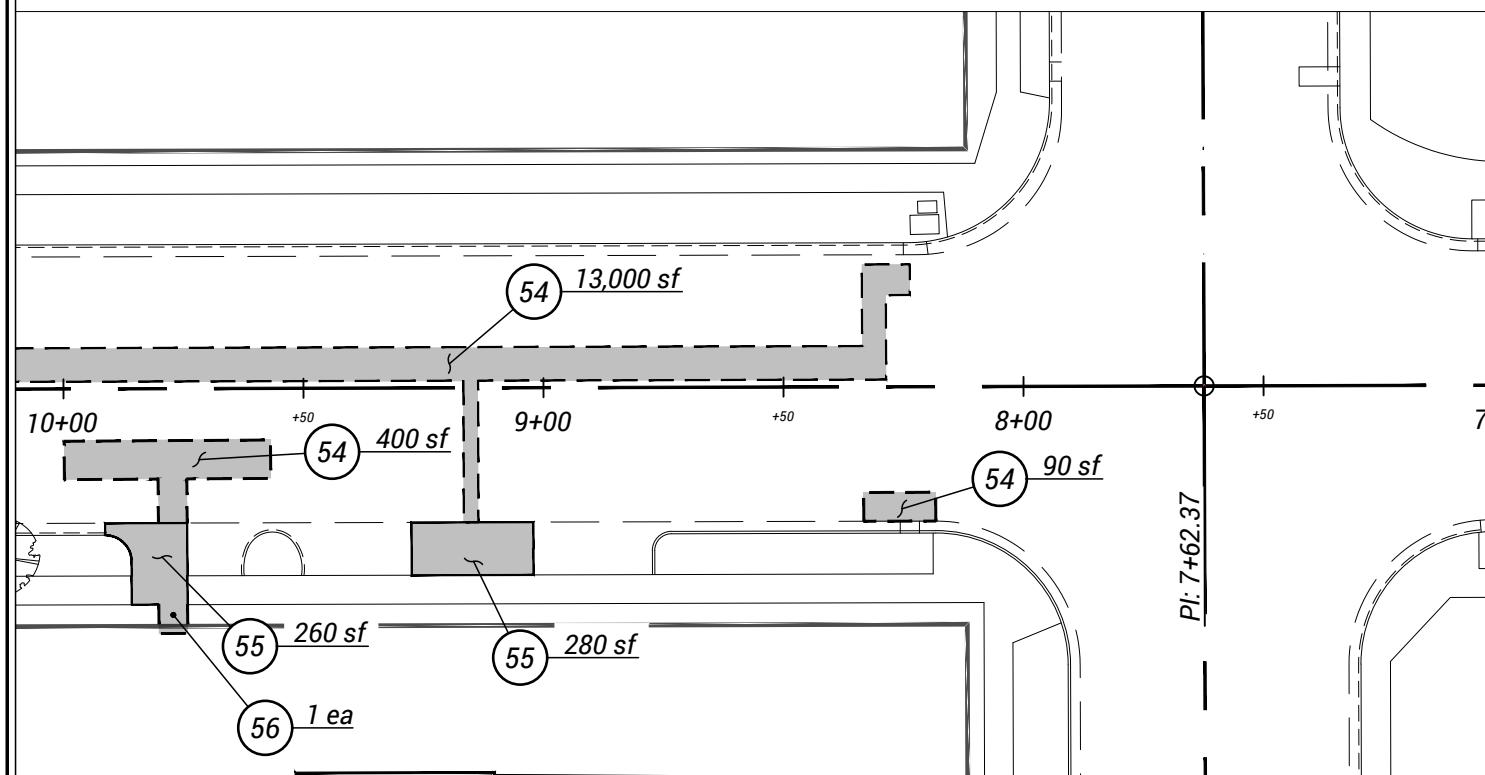


SS 1	
SHEET	5
PAGES	9
REV	0
DATE	4/10/2025
DESCRIPTION	SS 1
DATE	4/10/2025
DESIGNED	AA
DRAWN	AA
CHECKED	AA
DRAWING SCALE	1:200 (22x34) 1:100 (11x17)
This bar measures exactly one inch on the original drawing	
DATE	4/10/2025
DESIGNED	AA
DRAWN	AA
CHECKED	AA
DRAWING SCALE	1:200 (22x34) 1:100 (11x17)
H: 1" = 1" = V: 1" = 1" =	
REGISTERED PROFESSIONAL ENGINEER DANIEL SHIPP S.E. No. 4920584-2202 Exp. 3/31/2027 CIVIL STATE OF UTAH	
SANITARY SEWER & FIBER CONDUIT	
LINCOLN AVE SEWER AND WATERLINE IMPROVEMENTS	
Lincoln Ave: 25th Street to 26th Street	
DRAWING NAME: Lincoln Ave_Alex_52725.DWG	
PLOT DATE: 6/12/2025 1:48 PM	
Ogden UTAH Still Untamed™	
2549 Washington Blvd, Suite 760 Ogden, UT 84401	
Phone: 801-629-8580 engineering@ogdencity.com	



ROADWAY

- i* Information
- 50 4" HMA/12" UTBC T-Patch
- 51 Raise & Collar SSMH
- 52 6" Concrete Sidewalk
- 53 Paver Restoration
- 54 3" HMA/8" UTBC
- 55 3" "Warped" HMA
- 56 Raise SS Cleanout
- 57 Topsoil to Grade



NORTH

25th Street

Lincoln Ave

26th Street

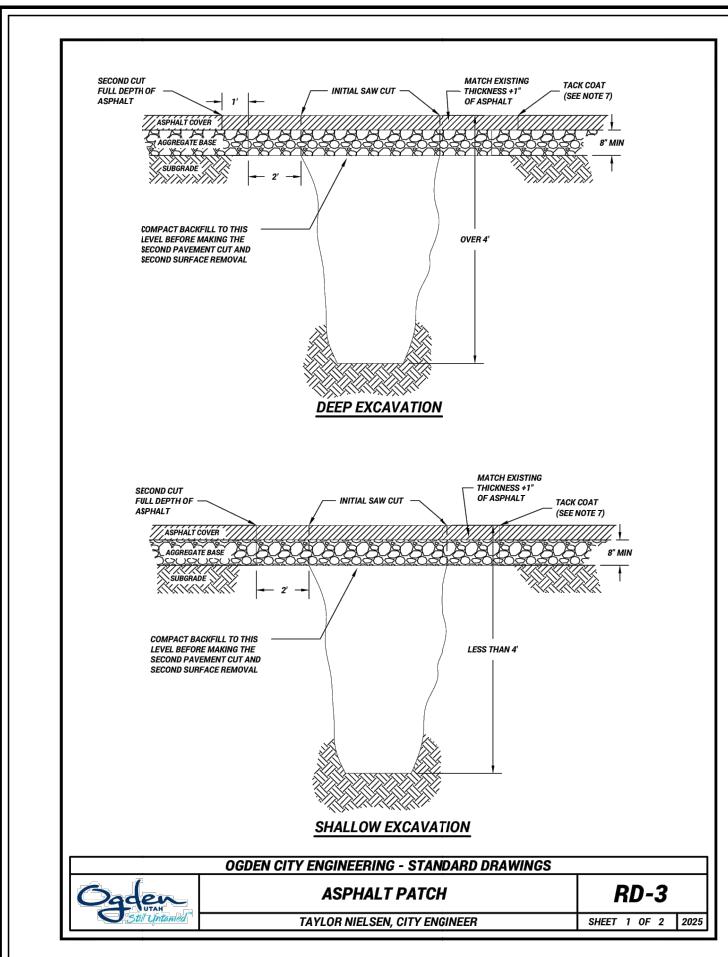
Ogden
UTAH
Still Untamed™

2549 Washington Blvd, Suite 760 Ogden, UT 84401
Phone: 801-629-8580 engineering.ogdenity.com

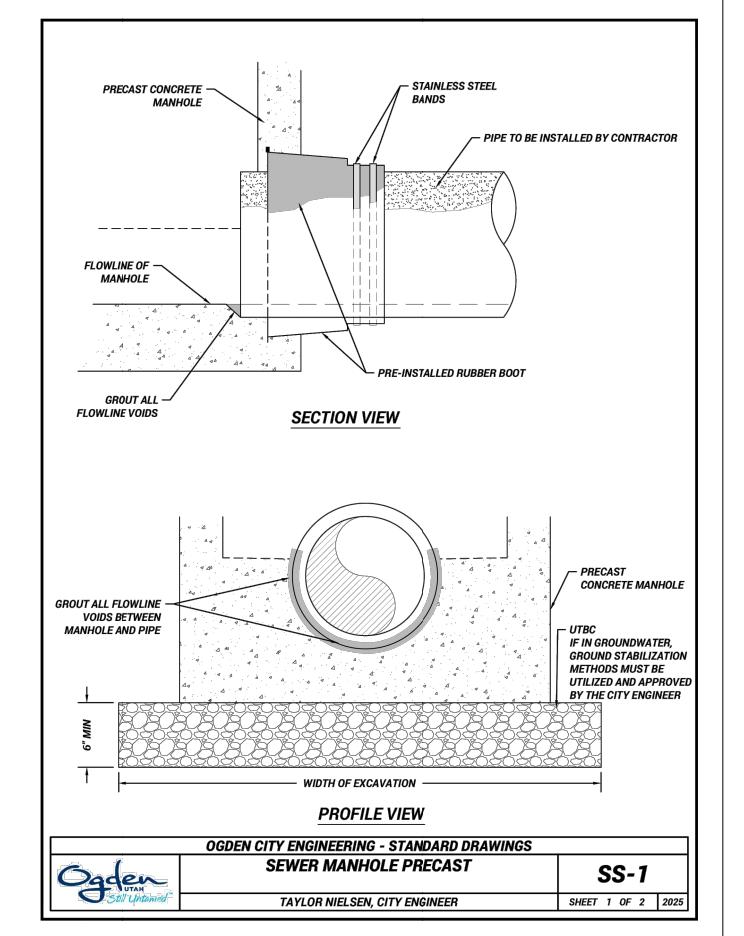
ROADWAY REHABILITATION
LINCOLN AVE SEWER AND WATERLINE IMPROVEMENTS
Lincoln Ave. 25th Street to 26th Street
PLOT DATE: 6/12/2025 1:50 PM

DRAWING NAME: Lincoln_Ave_Area_5-27-25.DWG
DRAFTING DATE: 6/12/2025 1:50 PM

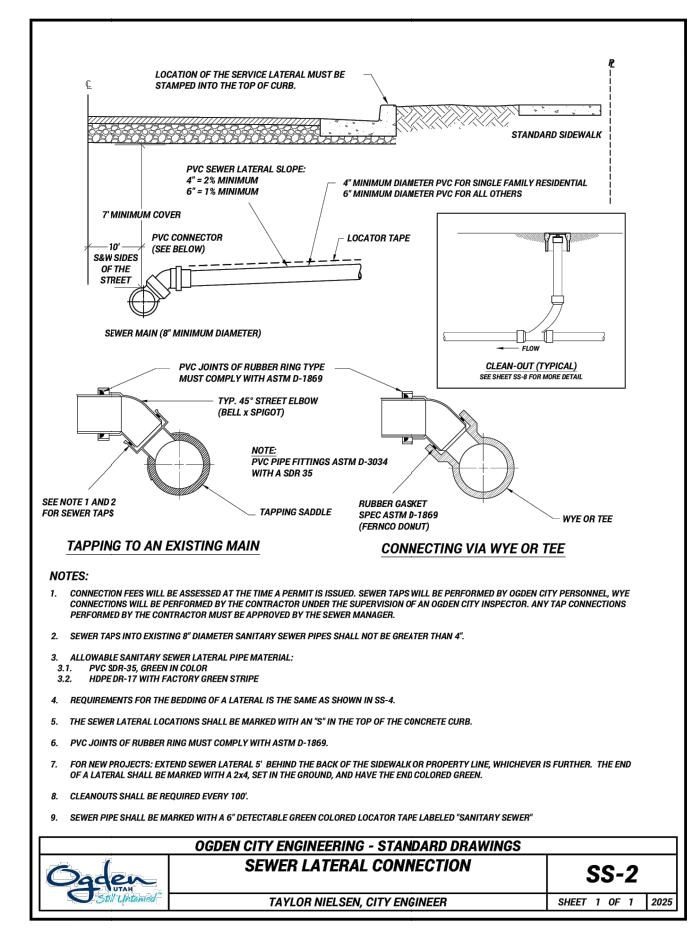
RDWY 1	
9	PAGES
6	SHEET
4/10/2025	DATE
0	REV. DATE
04/10/2025	DESCRIPTION
	REGISTRATION NUMBER
DANIEL SHUPP SSMH	NO. 4920584-2202
	EXPIRATION DATE
	JULY 31, 2027
	CIVIL
	STATE OF UTAH
	REGISTERED PROFESSIONAL ENGINEER
	BY DANIEL SHUPP SSMH
	THIS BAR MEASURES EXACTLY ONE INCH ON THE ORIGINAL DRAWING
4/10/2025	DRAWING SCALE
H: 1" = 22x34 V: 1" = 11x17	4/10/2025
AA DRAWN AA CHECKED	DRAWING SCALE
	H: 1" = 22x34 V: 1" = 11x17



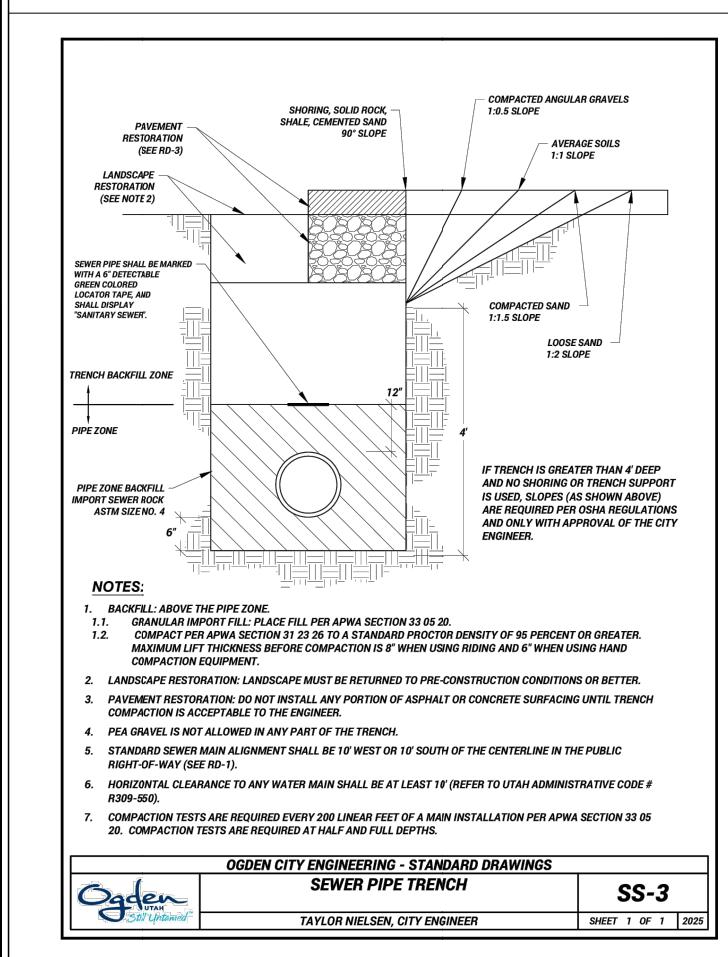
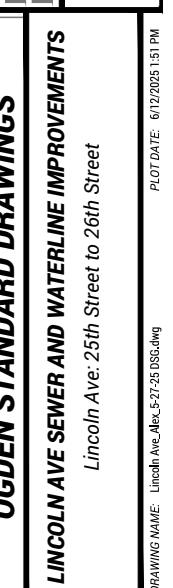
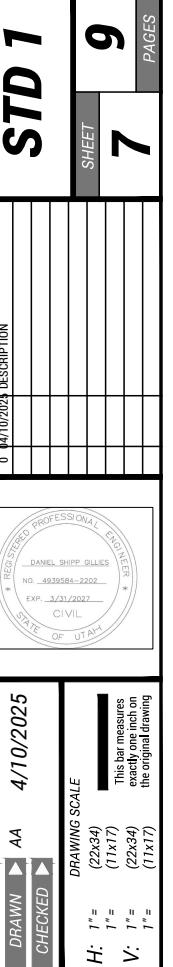
OGDEN CITY ENGINEERING - STANDARD DRAWINGS
ASPHALT PATCH RD-3
TAYLOR NIELSEN, CITY ENGINEER SHEET 1 OF 2 2025



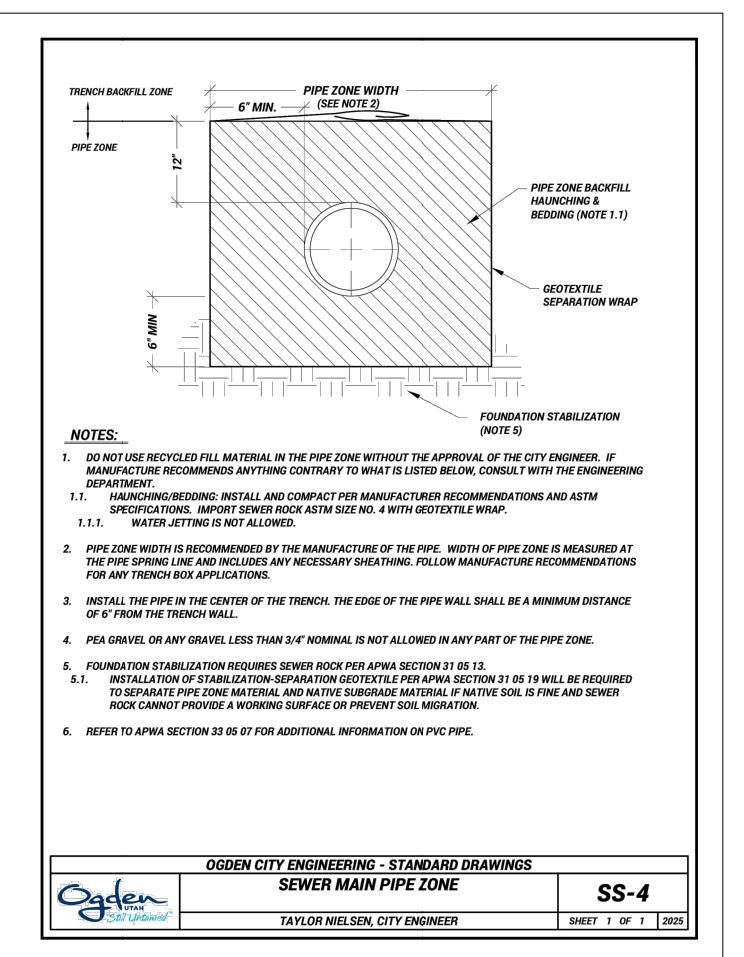
OGDEN CITY ENGINEERING - STANDARD DRAWINGS
SEWER MANHOLE PRECAST SS-1
TAYLOR NIELSEN, CITY ENGINEER SHEET 1 OF 2 2025



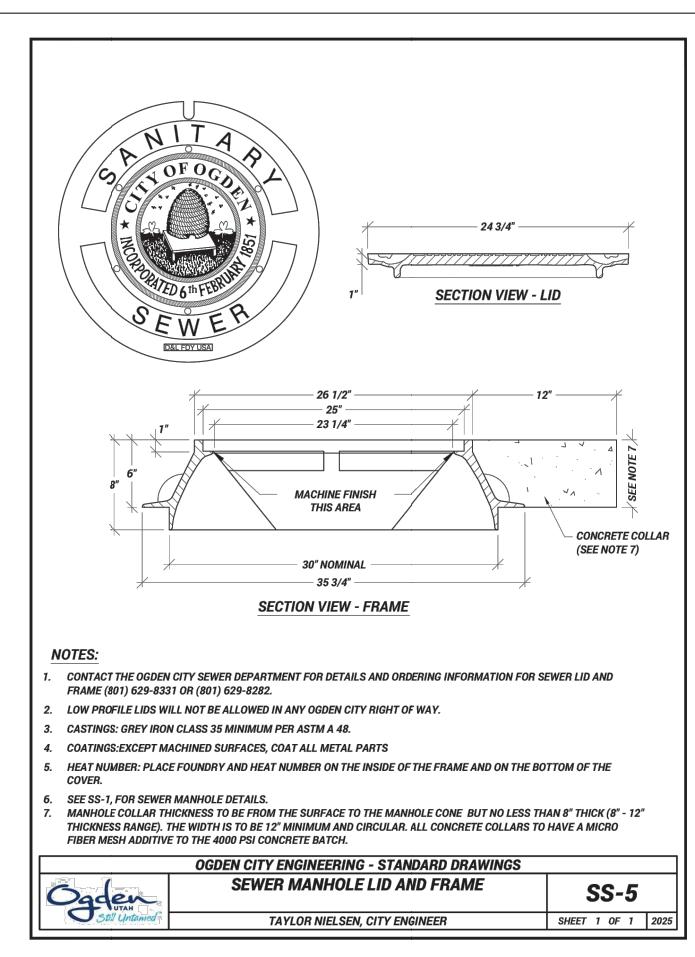
OGDEN CITY ENGINEERING - STANDARD DRAWINGS
SEWER LATERAL CONNECTION SS-2
TAYLOR NIELSEN, CITY ENGINEER SHEET 1 OF 1 2025



OGDEN CITY ENGINEERING - STANDARD DRAWINGS
SEWER PIPE TRENCH SS-3
TAYLOR NIELSEN, CITY ENGINEER SHEET 1 OF 1 2025



OGDEN CITY ENGINEERING - STANDARD DRAWINGS
SEWER MAIN PIPE ZONE SS-4
TAYLOR NIELSEN, CITY ENGINEER SHEET 1 OF 1 2025

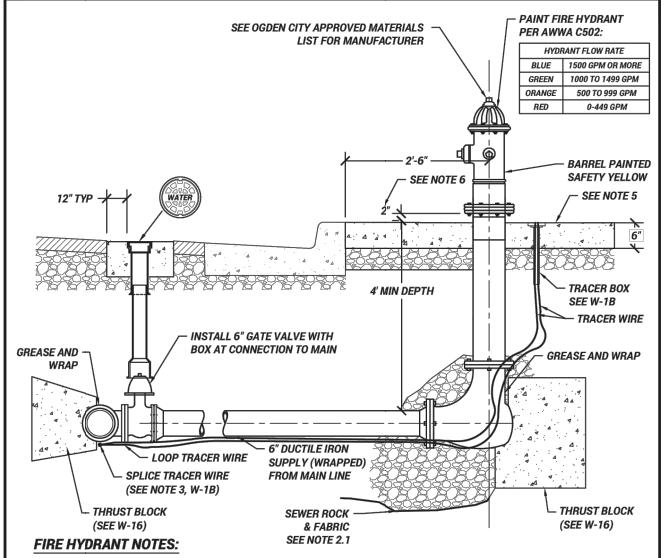


OGDEN CITY ENGINEERING - STANDARD DRAWINGS
SEWER MANHOLE LID AND FRAME SS-5
TAYLOR NIELSEN, CITY ENGINEER SHEET 1 OF 1 2025





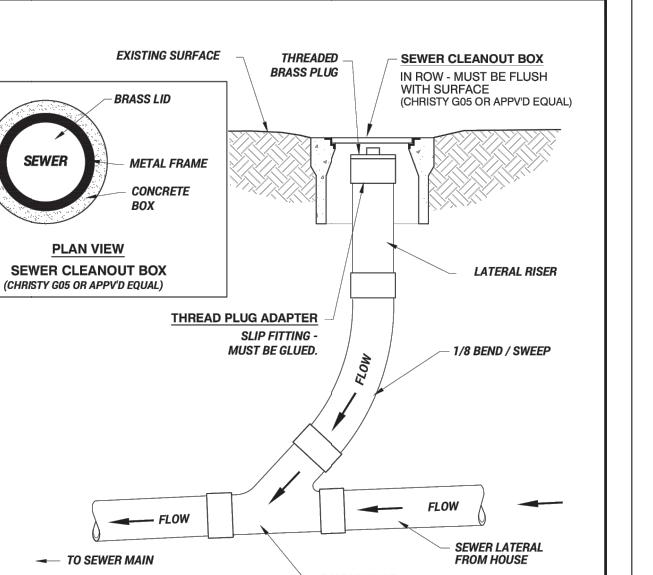
DESIGNED	AA	DATE	4/10/2025
DRAWN	AA	DRAWING SCALE	1:250 (22x34) 1:100 (11x17) 1:50 (22x34) 1:10 (11x17)
CHECKED	AA	REVIEWED	This bar measures exactly one inch on the original drawing



FIRE HYDRANT NOTES:

1. PROVIDE AND PLACE BACKFILL PER APWA SECTION 33 05 20. COMPACT PER APWA SECTION 31 23 26 TO A DENSITY OF 95 PERCENT OR GREATER. MAXIMUM LIFT THICKNESS IS 8" WHEN USING RIDING COMPACTION AND 6" WHEN USING HAND HELD COMPACTION EQUIPMENT.
2. HYDRANT-DRY BARREL PER AWWA C502. ADDITIONAL WATER SYSTEM REQUIREMENTS SPECIFIED IN APWA SECTION 33 11 00.
3. 2.1. PROVIDE AT LEAST ONE (1) CUBIC YARD OF SEWER ROCK AROUND DRAIN HOLE OF FIRE HYDRANT. WRAP GEOTEXTILE AROUND SEWER ROCK AND TAPE GEOTEXTILE TO HYDRANT SPOOL TO PREVENT SITTING.
- 3.2. APPLY NON-OXIDE GREASE TO ALL BURIED METAL SURFACES. WRAP WITH 8 MIL THICK POLYETHYLENE SHEET AND TAPE WHERE APPROPRIATE.
- 3.3. NOTIFY FIRE DEPARTMENT AS SOON AS HYDRANT IS PLACED IN SERVICE.
- 3.4. BLACK-WRAP ANY HYDRANT NOT IN SERVICE.
- 3.5. THRUST BLOCKS:
 - 3.1. PRIOR TO POURING CONCRETE, WRAP PIPE SYSTEM WITH 8 MIL THICK PLASTIC SHEET TO PREVENT BONDING OF CONCRETE TO PIPE SYSTEM.
 - 3.2. NOT REQUIRED AT THE MAIN FOR FLANGED OR RESTRAINED PIPE SYSTEMS.
4. VALVE BOXES ARE TO BE SPICE-TYPE, ADJUSTED TO GRADE, AND PAVED WITH A CONCRETE COLLAR.
5. CONCRETE PAD AROUND HYDRANT SHALL ONLY BE REQUIRED AS STIPULATED IN W-2.
6. HYDRANT BASE HEIGHT MUST BE APPROVED BY AN OGDEN CITY ENGINEERING INSPECTOR.

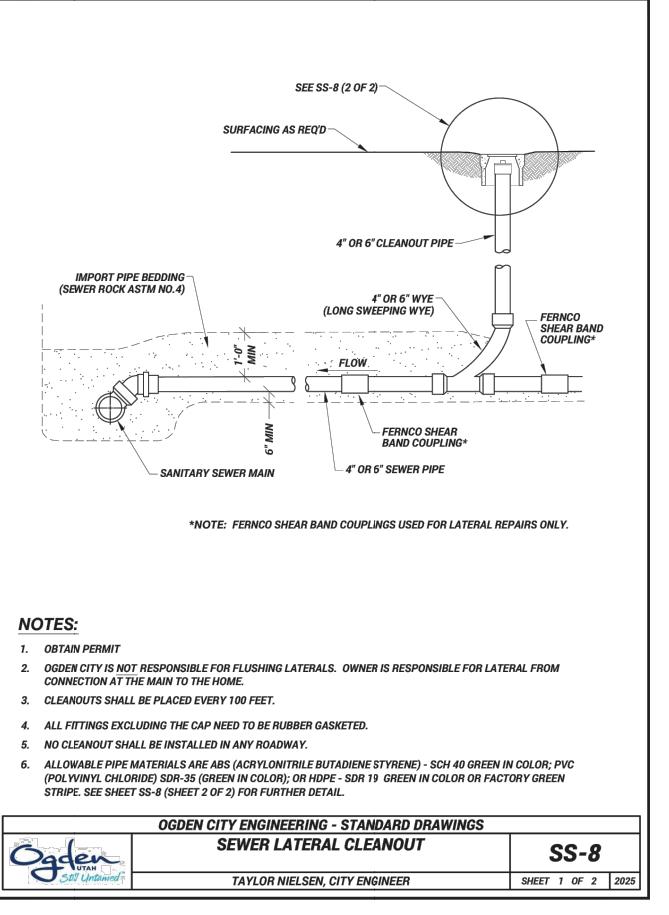
OGDEN CITY ENGINEERING - STANDARD DRAWINGS	FIRE HYDRANT ASSEMBLY	W-1A
	TAYLOR NIELSEN, CITY ENGINEER	SHEET 1 OF 2 2025



NOTES:

1. OBTAIN PERMIT
2. OGDEN CITY IS NOT RESPONSIBLE FOR FLUSHING LATERALS. OWNER IS RESPONSIBLE FOR LATERAL FROM CONNECTION AT THE MAIN TO THE HOME.
3. CLEANOUTS SHALL BE PLACED EVERY 100 FEET.
4. ALL FITTINGS EXCLUDING THE CAP NEED TO BE RUBBER GASKETED.
5. NO CLEANOUT SHALL BE INSTALLED IN ANY ROADWAY.
6. ALLOWABLE PIPE MATERIALS ARE ABS (ACRYLONITRILE BUTADIENE STYRENE) - SCH 40 GREEN IN COLOR; PVC (POLYVINYL CHLORIDE) SDR-35 (GREEN IN COLOR); OR HDPE - SDR 19 GREEN IN COLOR OR FACTORY GREEN STRIPE. SEE SHEET SS-8 (SHEET 2 OF 2) FOR FURTHER DETAIL.

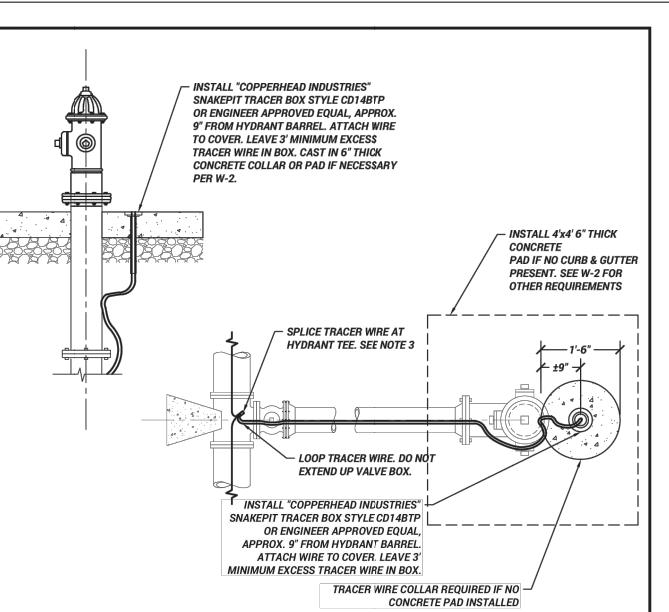
OGDEN CITY ENGINEERING - STANDARD DRAWINGS	SEWER LATERAL CLEANOUT	SS-8
	TAYLOR NIELSEN, CITY ENGINEER	SHEET 1 OF 2 2025



NOTES:

1. OBTAIN PERMIT
2. OGDEN CITY IS NOT RESPONSIBLE FOR FLUSHING LATERALS. OWNER IS RESPONSIBLE FOR LATERAL FROM CONNECTION AT THE MAIN TO THE HOME.
3. CLEANOUTS SHALL BE PLACED EVERY 100 FEET.
4. ALL FITTINGS EXCLUDING THE CAP NEED TO BE RUBBER GASKETED.
5. NO CLEANOUT SHALL BE INSTALLED IN ANY ROADWAY.
6. ALLOWABLE PIPE MATERIALS ARE ABS (ACRYLONITRILE BUTADIENE STYRENE) - SCH 40 GREEN IN COLOR; PVC (POLYVINYL CHLORIDE) SDR-35 (GREEN IN COLOR); OR HDPE - SDR 19 GREEN IN COLOR OR FACTORY GREEN STRIPE. SEE SHEET SS-8 (SHEET 2 OF 2) FOR FURTHER DETAIL.

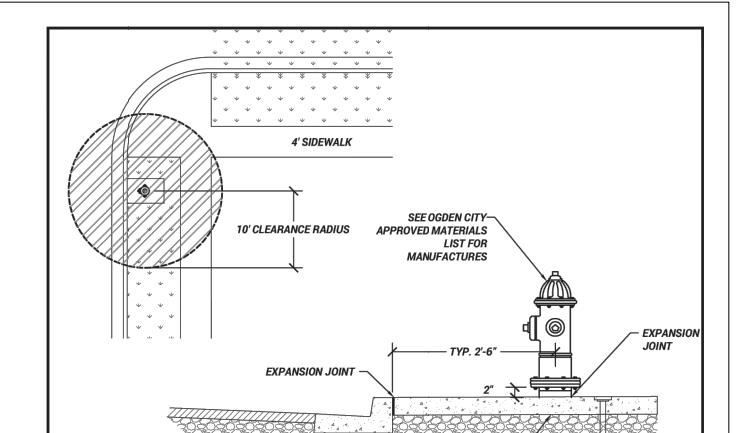
OGDEN CITY ENGINEERING - STANDARD DRAWINGS	SEWER LATERAL CLEANOUT	SS-8
	TAYLOR NIELSEN, CITY ENGINEER	SHEET 1 OF 2 2025



TRACER WIRE NOTES:

1. TRACER BOX TO BE LOCATED ON BACK SIDE OF HYDRANT UNLESS DIRECTED OTHERWISE BY ENGINEER.
2. ALL TRACER WIRE TO BE 12 GA INSULATED, BLUE TRACER WIRE PLACED BEHIND PIPE.
3. TRACER WIRE SHALL BE COPPER WIRE WITH BLUE INSULATION RATED FOR DIRECT BURIAL. ALL WIRE CONNECTORS SHALL BE 3MDR DIRECT BURYL SPLICE OR ENGINEER APPROVED EQUAL AND SHALL BE WATERTIGHT TO PROVIDE ELECTRICAL CONTINUITY.
4. ALL TRACER WIRE SHALL BE TESTED FOR CONTINUITY IN THE PRESENCE OF A REPRESENTATIVE FROM OGDEN CITY WATER PRIOR TO ASPHALT PLACEMENT. ANY TRACER WIRE FOUND NOT TO BE CONTINUOUS AFTER TESTING SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE PRIOR TO ASPHALT PLACEMENT.
5. ALL TRACER WIRE WILL BE RE-TESTED AT THE 1-YEAR WARRANTY INSPECTION. ANY TRACER WIRE FOUND NOT TO BE CONTINUOUS AFTER TESTING SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

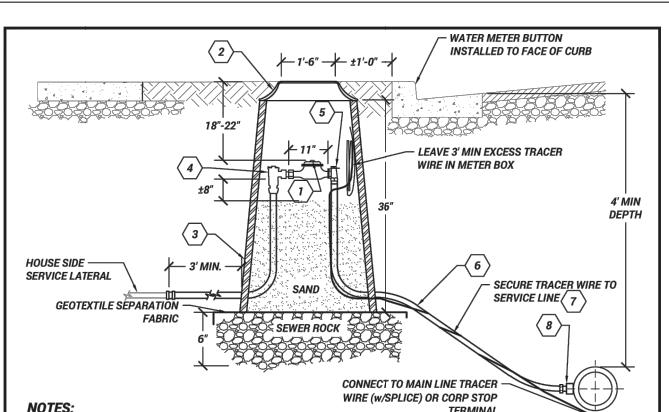
OGDEN CITY ENGINEERING - STANDARD DRAWINGS	FIRE HYDRANT ASSEMBLY	W-1B
	TAYLOR NIELSEN, CITY ENGINEER	SHEET 2 OF 2 2025



NOTES:

1. PAINT TOP AND FACE OF CURB, 15' ON BOTH SIDES, WITH RED PAINT TO INDICATE NO PARKING.
2. NO TREES, PLANTS, FLOWERS, SHRUBS, OR ANY OTHER ITEM WHICH MAY OBSTRUCT THE VIEW OR ACCESS TO A FIRE HYDRANT, SHALL BE INSTALLED/PLANTED WITHIN 10' OF ANY FIRE HYDRANT.
3. HYDRANT SHALL BE 2'-6" BEHIND THE BACK OF CURB OR AS SPECIFIED BY THE CITY ENGINEER.
4. ARTERIAL ROADS SHALL HAVE FIRE HYDRANTS ON BOTH SIDES OF THE ROADWAY.
5. INSTALL A 4x4' 6" THICK CONCRETE PAD AROUND THE BASE IF NO CURB AND GUTTER IS PRESENT.
 - 5.1. BOLLARD INSTALLATION MAY BE REQUIRED BASED ON THE HYDRANT LOCATION.
6. FIRE HYDRANT SPACING:
 - 6.1. SHALL NOT EXCEED A 500' RADIUS IN AREAS WITH SINGLE FAMILY DWELLINGS.
 - 6.2. SHALL NOT EXCEED A 300' RADIUS IN ALL OTHER AREAS.
 - 6.3. OR AS DETERMINED BY THE FIRE MARSHAL.
7. CONCRETE PAD ON HYDRANTS SHALL BE REQUIRED ON ALL ARTERIAL CLASSIFIED ROADWAYS AND IN THE DOWNTOWN AREA (20TH STREET TO 30TH STREET, WALL AVE THRU ADAMS AVE)

OGDEN CITY ENGINEERING - STANDARD DRAWINGS	FIRE HYDRANT LOCATION	W-2
	TAYLOR NIELSEN, CITY ENGINEER	SHEET 1 OF 1 2025



NOTES:

1. CONTRACTOR TO PROVIDE AND INSTALL ALL MATERIALS AS SHOWN ON THE DETAIL, UNLESS DIRECTED OTHERWISE BY OGDEN CITY WATER.
2. METERS TO BE INSTALLED IN THE PARK STRIP, 1' BEHIND THE BACK OF CURB, OR 1' BEHIND THE SIDEWALK WHERE THE SIDEWALK IS ADJACENT TO THE CURB. DO NOT PLACE METER BOXES IN OR UNDER DRIVEWAY APPROACHES, SIDEWALKS, OR CURB AND GUTTER APPROXIMATELY 10' FROM THE PROPERTY LINE (STREET SIDE).
3. FILL METER BOX WITH SAND TO APPROXIMATELY 8' FROM BOTTOM OF METER. TAMP SAND TO SEPARATE METER. SEPARATE SAND FROM SEWER ROCK WITH A GEOTEXTILE SEPARATION FABRIC.
4. PROVIDE AND PLACE IMPORT BACKFILL PER APWA SECTION 33 05 20 SURROUNDING THE METER ASSEMBLY. COMPACT PER APWA SECTION 31 23 26 TO A DENSITY OF 95 PERCENT OR GREATER. MODIFIED PROCTOR DENSITY. MAXIMUM LIFT THICKNESS IS 8" WHEN USING RIDING COMPACTION AND 6" WHEN USING HAND HELD COMPACTION EQUIPMENT.
5. ALL TRACER WIRE SHALL BE TESTED FOR CONTINUITY IN THE PRESENCE OF A REPRESENTATIVE FROM OGDEN CITY WATER PRIOR TO ASPHALT PLACEMENT. ANY TRACER WIRE FOUND NOT TO BE CONTINUOUS AFTER TESTING SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE PRIOR TO ASPHALT PLACEMENT.
6. ALL TRACER WIRE WILL BE RE-TESTED AT THE 1-YEAR WARRANTY INSPECTION. ANY TRACER WIRE FOUND NOT TO BE CONTINUOUS AFTER TESTING SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
7. DO NOT CONNECT THE HOUSE SIDE LATERAL DIRECTLY BEHIND THE SIDEWALK.

ITEM	QTY	DESCRIPTION
①	1	1" OR SMALLER WATER METER (CITY PROVIDED WITH METER/TAPPING FEE)
②	1	18" FRAME AND COVER WITH RECESSED HOLE FOR ANTENNA READ WITH LARGE BOLT "LB" OPTION
③	1	RAVEN METER BOX OR APPROVED EQUAL
④	1	1" ASSE 1024 DUAL CHECK VALVE (BACKFLOW PREVENTER, TOP ENTRY ONLY)
⑤	1	1" BALL ANGLE VALVE - FORD D43-444W-Q-NL, MUELLER - B-2425N
⑥	VARIES	1" AWWA C901 CTS POLY TUBING
⑦	VARIES	TRACER WIRE
⑧	1	CORP STOP WITH TEE-HEAD CAP ADAPTOR (TAP HORIZONTALLY)

OGDEN CITY ENGINEERING - STANDARD DRAWINGS	TYPICAL SERVICE INSTALLATION FOR WATER METERS 1" OR SMALLER	W-3
	TAYLOR NIELSEN, CITY ENGINEER	SHEET 1 OF 1 2025

