

GENERAL

1. ALL CONSTRUCTION SHALL COMPLY WITH THE STANDARD DRAWINGS AND SPECIFICATIONS OF THE DISTRICT UNLESS OTHERWISE NOTED.
2. EXISTING UTILITY LOCATIONS SHOWN MAY NOT BE EXACT AND ALL UTILITIES MAY NOT BE SHOWN. CONTACT BLUE STAKES, SEWER DISTRICT, IRRIGATION COMPANY & ANY OTHER REQUIRED UTILITY COMPANY PRIOR TO EXCAVATION.
3. THE CONTRACTOR SHALL HAVE ON SITE AT ALL TIMES AT LEAST ONE COPY OF THE SIGNED APPROVED PLANS & SPECIFICATIONS, AS WELL AS ALL PERMITS AS REQUIRED TO PERFORM THE WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A TRAFFIC CONTROL PLAN & PROVIDING ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED FOR CONSTRUCTION, INCLUDING FLAGGING. TRAFFIC CONTROL PLANS SHALL BE REVIEWED AND ACCEPTED BY THE DISTRICT. ALL TRAFFIC SHALL CONFIRM TO THE MOST RECENT VERSION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND CITY STANDARDS.
5. UTILITY TRENCHES ARE TO BE SLOPED OR BRACED & SHEETED AS PER STATE & FEDERAL REQUIREMENTS FOR SAFETY & PROTECTION OF WORKERS & OTHER UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ALL PROJECT SAFETY, INCLUDING BUT NOT LIMITED TO: EXCAVATION & SHORING, TRAFFIC CONTROL & SECURITY.
6. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE & COOPERATE WITH ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY MANNER & WITH MINIMUM DISRUPTION OF SERVICE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORD DRAWING INFORMATION & SUBMIT TO THE ENGINEER PRIOR TO FINAL PAYMENT.
8. CONTRACTOR SHALL PROTECT & NOT DISTURB PROPERTY ADJACENT TO PROJECT I.E. FENCE, LANDSCAPING, MAILBOXES, ETC. ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY BY CONTRACTOR SHALL BE RESTORED TO EQUAL CONDITION AT CONTRACTORS EXPENSE.
9. EXISTING DRAINS FROM ADJACENT PROPERTIES ARE TO BE MAINTAINED AND PROTECTED.
10. THE CONTRACTOR(S) SHALL REMOVE ALL OBSTRUCTIONS, BOTH ABOVE AND BELOW GROUND, AS REQUIRED FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THIS SHALL INCLUDE CLEARING AND GRUBBING WHICH CONSISTS OF CLEARING THE GROUND SURFACE OF ALL TREES, STUMPS, BRUSH, UNDERGROWTH, HEDGES, HEAVY MATERIAL WHICH IN THE OPINION OF THE ENGINEER, IS SUITABLE FOR THE FOUNDATION OF PAVEMENTS OR CONCRETE. ALL MATERIAL NOT SUITABLE FOR FUTURE USE ON SITE SHALL BE DISPOSED OF OFF SITE.
11. ALL MATERIALS TO BE REMOVED SHALL BE HAULED AWAY & DISPOSED OF IN A SAFE & LEGAL MANNER BY THE CONTRACTOR.
12. CONTRACTOR IS RESPONSIBLE FOR DEWATERING AND DIVERSION OF GROUND WATER AS NECESSARY TO COMPLETE WORK.
13. THE CONTRACTOR SHALL EXAMINE THE DRAWING AND SHALL NOTIFY THE OWNER OF AND DISCREPANCIES OR CONFLICTS BEFORE PROCEEDING WITH THE WORK.
14. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE SITE AND SHALL NOTIFY THE ENGINEER OF DISCREPANCIES BETWEEN THE ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.
15. PROPERTY IMPACTED BY PROJECT SHALL BE RESTORED TO EQUAL CONDITION, MATCHING EXISTING MATERIALS. REPLACING SPRINKLERS, DECORATIVE CURBING, ETC.
16. NEW UTILITY ALIGNMENTS SHALL BE ESTABLISHED IN THE FIELD ACCORDING TO POTHOLE FINDINGS OF EX. UTILITY LINES. ENGINEER TO VERIFY NEW UTILITY ALIGNMENT, PRIOR TO MILLING OR SAW-CUTTING OF ASPHALT.
17. THE CONTRACTOR IS REQUIRED TO CONTACT THE ENGINEER AT LEAST 24 HOURS PRIOR TO STARTING CONSTRUCTION.

CULINARY WATER SYSTEM NOTES

THE WORK TO BE DONE CONSISTS OF FURNISHING ALL NECESSARY LABOR, MATERIALS AND EQUIPMENT TO PROVIDE COMPLETE INSTALLATION AND TESTING OF WATER SYSTEM FACILITIES. MODIFICATIONS TO EXISTING FACILITIES SHALL CONFORM TO NORTH OGDEN CITY SPECIFICATIONS.

THE CONSTRUCTION OF WATER MAINS SHALL INCLUDE: EXCAVATION, BACKFILL AND COMPACTION, CONSTRUCTION OF CONCRETE STRUCTURES, ANCHORS, THRUST BLOCKS, SUPPORTS, ENCASEMENTS; FURNISHING, INSTALLING, TESTING AND DISINFECTING WATER PIPELINES, FITTINGS, VALVES, BLOW OFFS, AIR VALVES, SERVICES, FIRE HYDRANTS, AND ALL APPURTENANCES; REMOVAL AND RESTORATION OF EXISTING IMPROVEMENTS AND ALL WORK IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.

UTILITY CONTACTS

NATURAL GAS <hr/> DOMINION ENERGY JASON MCGEE (801) 324-3640	INTERNET <hr/> CENTURY LINK (801) 685-2105 TAYLOR CONSTANCE	IRRIGATION <hr/> PINEVIEW WATER SYSTEMS DOUG JEPPESEN (801) 621-6555 EXT. 1351	WATER <hr/> NORTH OGDEN CITY JASON RENEY WATER SYSTEMS SUPERINTENDENT (801) 782-8111
POWER <hr/> PACIFICORP (503) 813-6993 JOEL B SIMMONS	COMMUNICATION <hr/> LUMEN (801) 685-2105 TAYLOR CONSTANCE	INTERNET <hr/> COMCAST (435) 224-2356 JEFF HOUSTON	SEWER <hr/> NORTH OGDEN CITY TRENT WILKINS SANITARY SEWER SUPERINTENDENT (801) 782-8111

UTILITY NOTES

WATER

1. RAISE ALL UTILITIES, SUCH AS MANHOLES, METER SETTERS, FIRE HYDRANTS, WATER VALVE LIDS, ETC. TO ROADWAY OR PROJECT FINISHED GRADE AS MAY BE APPLICABLE.
2. ALL BACK FLOW ASSEMBLY INSTALLATION AND TESTING SHALL COMPLY WITH THE BACK FLOW REQUIREMENTS OF THE JURISDICTIONAL ENTITY.
3. 12 GAUGE COPPER LOCATE WIRE SHALL BE TAPED TO ALL WATER LINES FOR LOCATION PURPOSES. THE WIRE SHALL BE BROUGHT UP AT EACH VALVE BOX, HYDRANT, AND METER.
4. ALL REMOVED EXISTING WATER UTILITIES SHALL EITHER BE SALVAGED OR PROPERLY DISPOSED OF ACCORDING TO GOVERNING REGULATIONS.
5. CULINARY WATER MAIN LINE SHALL BE C900 DR14 AND CULINARY WATER SERVICE LINES SHALL BE HDPE AS PER CITY.
6. MECHANICAL BENDS: APPLY POLY-FM GREASE TO ALL BURIED METAL SURFACES. WRAP WITH 8-MIL POLYETHYLENE SHEET AND TAPE.
7. CHECK NORTH OGDEN CITY WEBSITE FOR MOST CURRENT CITY STANDARDS.

CAUTION: NOTICE TO CONTRACTOR

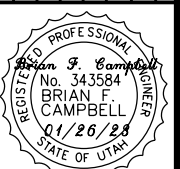
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. IF A CONFLICT IS IDENTIFIED, THE ENGINEER OF RECORD SHOULD BE CONTACTED IMMEDIATELY, PRIOR TO ANY FURTHER WORK BEING DONE RELATED TO THE ISSUE.

PROJECT SPECIFICATIONS AND STANDARDS

1. NORTH OGDEN CITY STANDARDS & SPECIFICATIONS LATEST EDITION
2. UTAH DIVISION OF WATER QUALITY(DWQ) UAC R317-2
3. APWA STANDARDS AND SPECIFICATIONS LATEST EDITION

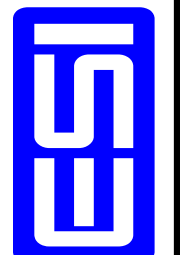


REVISIONS	NO.	DATE	APPROVED BY	REMARKS



1/12/2024	DATE	MDF	BFC

ESI ENGINEERING, INC.
 CONSULTING ENGINEERS
 AND LAND SURVEYORS
 4441 W 2100 S, SUITE 100
 SALT LAKE CITY, UTAH 84120
 TEL. 801.263.1752 FAX 801.263.1780



NORTH OGDEN CITY
 2024 WATERLINE
 REPLACEMENT PROJECT
NOTES & CONTACTS

SHEET NO.	02
SHEET TYP.	G-01
PROJ. NO.	23-115

UTILITIES

EXISTING		PROPOSED
	SANITARY SEWER	
	STORM DRAIN	
	CULINARY WATER	
	IRRIGATION WATER	
	GAS	
	ELECTRICAL BELOW	
	ELECTRICAL OVERHEAD	
	INTERNET	
	COMMUNICATIONS BELOW	
	COMMUNICATIONS OVERHEAD	

ROW

EXISTING/PROPOSED	
	PROPERTY LINE
	QUARTER CORNER SECTION LINE
	BOUNDARY LINE
	TOWNSHIP LINE
	SECTION LINE
	UTILITY EASEMENT

HATCH PATTERNS

	ASPHALT PATCH SECTION
	PROPOSED CONCRETE CURB & GUTTER

SURFACE FEATURES

EXISTING/PROPOSED	
	WOOD FENCE
	CHAINLINK/WIRE FENCE
	INTERMEDIATE CONTOUR
	MAJOR CONTOUR
	BREAKLINE
	CURB & GUTTER
	TOP OF DITCH
	FLOW LINE
	CONCRETE

STANDARD SYMBOLS

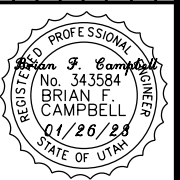
EXISTING/PROPOSED	
	FIRE HYDRANT
	WATER METER
	CULINARY WATER VALVE
	IRRIGATION VALVE
	IRRIGATION JUNCTION BOX/ METER BOX
	CATCH BASIN
	STORM DRAIN MANHOLE
	SANITARY SEWER MANHOLE
	TELECOMM. JUNCTION BOX
	TV/PHONE PEDESTAL
	ELECTRICAL POLE
	LIGHT POLE
	ELECTRICAL BOX
	GUY WIRE
	GAS METER
	GAS VALVE
	MAILBOX
	SURVEY MONUMENT
	TEE
	90° BEND
	45° BEND
	22.5° BEND
	THRUST BLOCK

ABBREVIATIONS

°	DEGREES
'	MINUTES, FEET
"	SECONDS, INCHES
ADA	AMERICAN DISABILITIES ACT
ARCH	ARCHITECT, ARCHITECTURAL
BH	BORE HOLE
BLDG	BUILDING POINT
BM	BENCHMARK
BOB	BOTTOM OF BANK
BOB	BOTTOM OF WALL
BOXCULV	BOX CULVERT
BS	BLUE STAKE
BW	BROKEN WHITE STRIPE
CB	CATCH BASIN
CG	CURB AND GUTTER
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
COB	CLEANOUT BOX
COMBO	COMBINATION (BOX)
CONC	CONCRETE
CPP	CORRUGATED PLASTIC PIPE
CW	CURB WALL
DA	DRIVE APPROACH
DIA	DIAMETER
DRIVE	DRIVEWAY
DW	DOUBLE WHITE STRIP
DY	DOUBLE YELLOW STRIPE
E	ELECTRICITY, ELECTRICAL
EB	ELECTRICAL BOX
EBL	EAST BOUND LANE
ECB	ELECTRIC CONTROL BOX
EG	EXISTING GRADE
ELEC	ELECTRICAL
EOA	EDGE OF ASPHALT
EOB	EDGE OF BRUSH
EOC	EDGE OF CONCRETE
EOG	EDGE OF GRASS
EOGR	EDGE OF GRAVEL
EOL	EDGE OF LANE
EOW	EDGE OF WALK
EX	EXISTING
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOWLINE
FNC	FENCE
FT	FEET
GAS	GAS, NATURAL GAS
GB	GRADE BREAK
GR	GUARD RAIL
GV	GAS VALVE
HDPE	HIGH-DENSITY POLYETHYLENE PIPE
H2O	WATER
IE	INVERT ELEVATION
IR	IRRIGATION
IRRB	IRRIGATION (SPRINKLER) BOX
IRRVLV	IRRIGATION VALVE
L	LENGTH
LIP	LIP OF GUTTER
LF	LINEAL FEET
LP	LIGHT POLE
MH	MANHOLE
MHGAS	NATURAL GAS MANHOLE
MHSD	STORM DRAIN MANHOLE
MHSS	SANITARY SEWER MANHOLE
MHTELE	TELEPHONE MANHOLE
MHWTR	WATER MANHOLE
MON	MONUMENT
NBL	NORTHBOUND LANE
NG	NATURAL GROUND
NOTE	NOTE TO FOLLOW (ATTRIBUTE)
PC	CONTROL CODE: STARTS A TANGENTIAL CURVE
PCC	POINT OF COMPOUND CURVATURE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PP	POWER POLE
POC	POINT OF CONNECTION
PROP	PROPERTY
PT	CONTROL CODE: ENDS A TANGENTIAL CURVE
R	RADIUS
RAMP	FREEWAY ON/OFF RAMP
RC	REBAR & CAP
RCP	REINFORCED CONCRETE PIPE
RMP	ROCKY MOUNTAIN POWER
ROW	RIGHT OF WAY
RW	RETAINING WALL
RWM	RIGHT OF WAY MARKER
SD	STORM DRAIN
SEC	SECTION
SF	SQUARE FEET
SPEC	SPECIFICATION
SPECS	SPECIFICATIONS
SS	SANITARY SEWER
STD	STANDARD
SW	SOLID WHITE STRIPE
SY	SOLID YELLOW STRIPE
TBC	TOP BACK OF CURB
TBS	TOP BACK OF SIDEWALK
TBW	TOP BACK OF WATERWAY
TELE	TELEPHONE
TFS	TOP FRONT OF SIDEWALK
TL	TRAVEL LANE
TOA	TOP OF ASPHALT
TOB	TOP OF BANK
TOC	TOP OF CONCRETE
TOE	BREAKLINE
TOR	TOP OF RAIL
TOW	TOP OF WALL
TYP	(TYPICAL) REPRESENTATIVE OF ALL SIMILARLY NOTED ITEMS
UTIL	UTILITY
UP	UTILITY POLE
W	WATER
WALK	SIDEWALK
WG	WALK & GUTTER (CONCRETE POURED AS ONE UNIT)
WM	WATER METER
WV	WATER VALVE

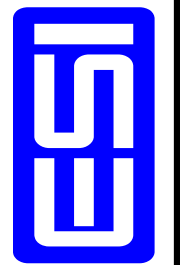
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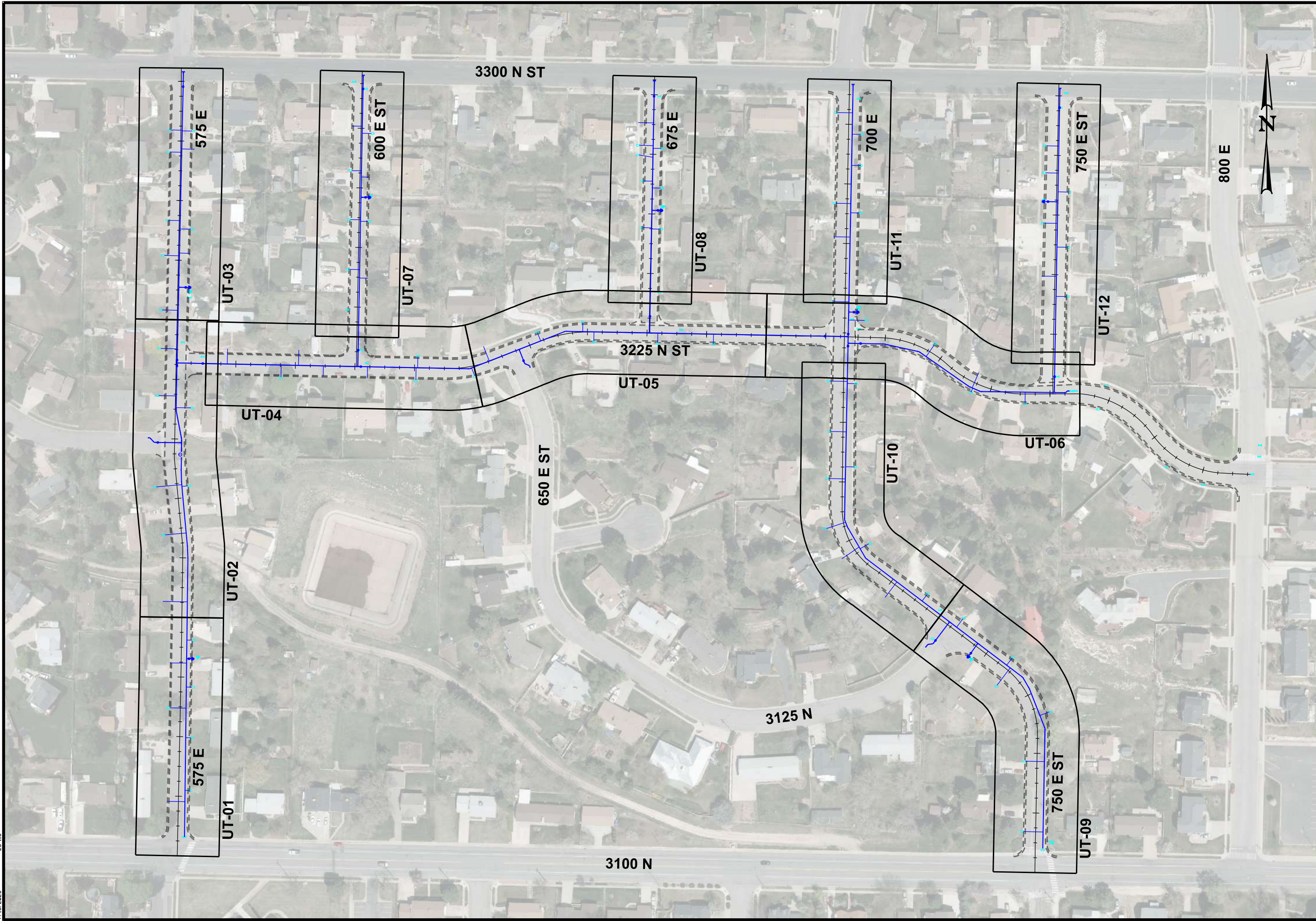



NORTH OGDEN CITY
 2024 WATERLINE
 REPLACEMENT PROJECT
LEGEND & ABBREVIATIONS

SHEET NO. **03**

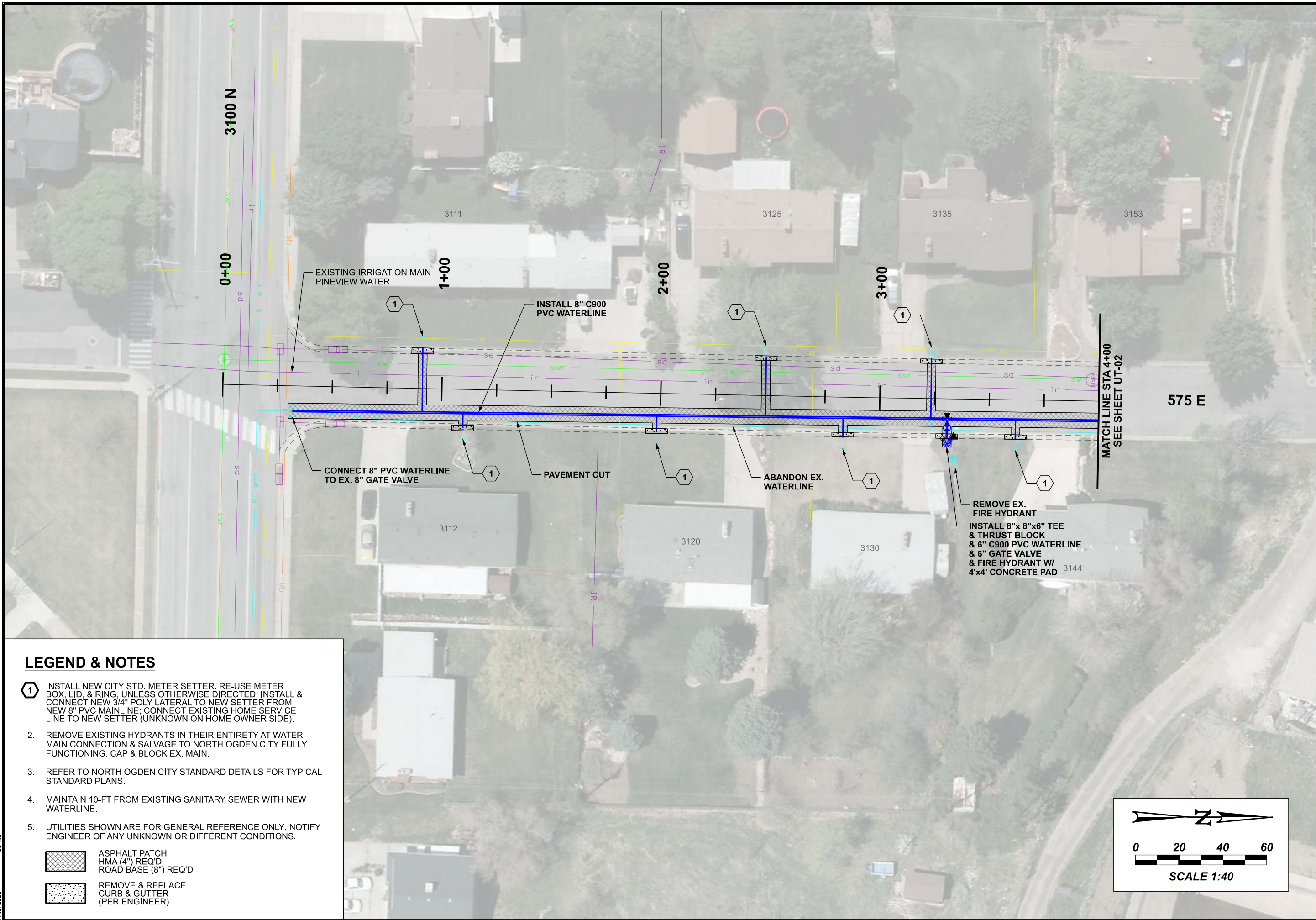
SHEET TYP. **G-02**

PROJ. NO. **23-115**



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NORTH OGDEN CITY 2024 WATERLINE REPLACEMENT PROJECT CROSS REFERENCE		REVISIONS <table border="1"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																																													
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PROJ. NO. 23-115		APPROVED BY NO. DATE																																													
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LEGEND & NOTES

- 1. INSTALL NEW CITY STD. METER SETTER. RE-USE METER BOX, LID, & RING, UNLESS OTHERWISE DIRECTED. INSTALL & CONNECT NEW 3/4" POLY LATERAL TO NEW SETTER FROM NEW 8" PVC MAINLINE; CONNECT EXISTING HOME SERVICE LINE TO NEW SETTER (UNKNOWN ON HOME OWNER SIDE).
- 2. REMOVE EXISTING HYDRANTS IN THEIR ENTIRETY AT WATER MAIN CONNECTION & SALVAGE TO NORTH OGDEN CITY FULLY FUNCTIONING. CAP & BLOCK EX. MAIN.
- 3. REFER TO NORTH OGDEN CITY STANDARD DETAILS FOR TYPICAL STANDARD PLANS.
- 4. MAINTAIN 10-FT FROM EXISTING SANITARY SEWER WITH NEW WATERLINE.
- 5. UTILITIES SHOWN ARE FOR GENERAL REFERENCE ONLY, NOTIFY ENGINEER OF ANY UNKNOWN OR DIFFERENT CONDITIONS.

	ASPHALT PATCH HMA (4") REQ'D ROAD BASE (8") REQ'D
	REMOVE & REPLACE CURB & GUTTER (PER ENGINEER)

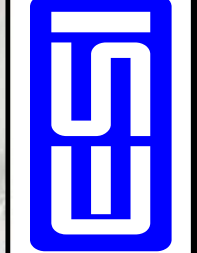


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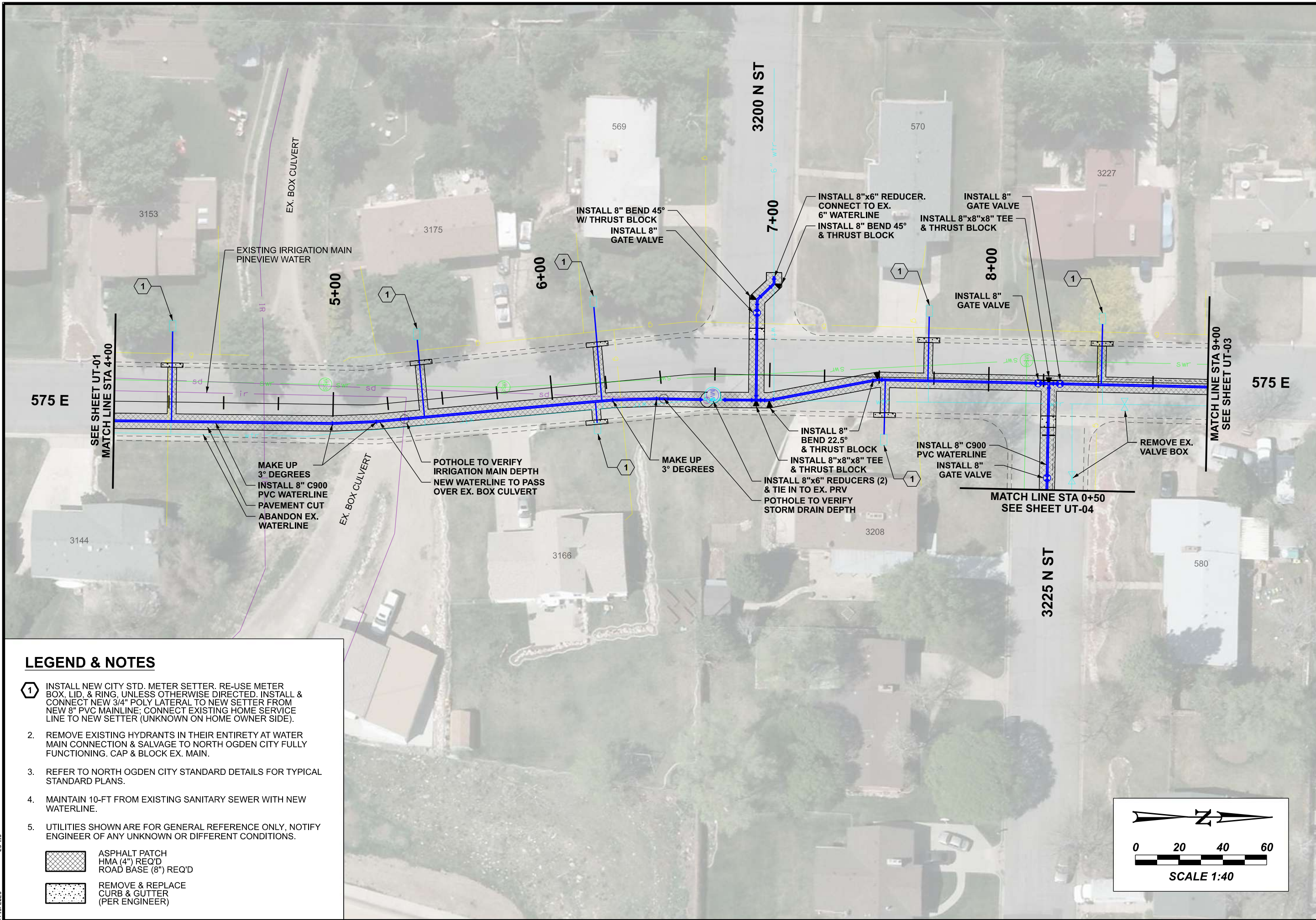
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NORTH OGDEN CITY
 2024 WATERLINE
 REPLACEMENT PROJECT
CULINARY WATERLINE PLAN

SHEET NO.	05
SHEET TYP.	UT-01
PROJ. NO.	23-115

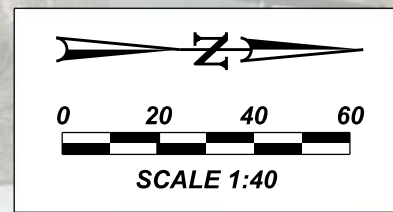
23-115
7/13/2023



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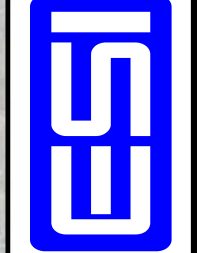


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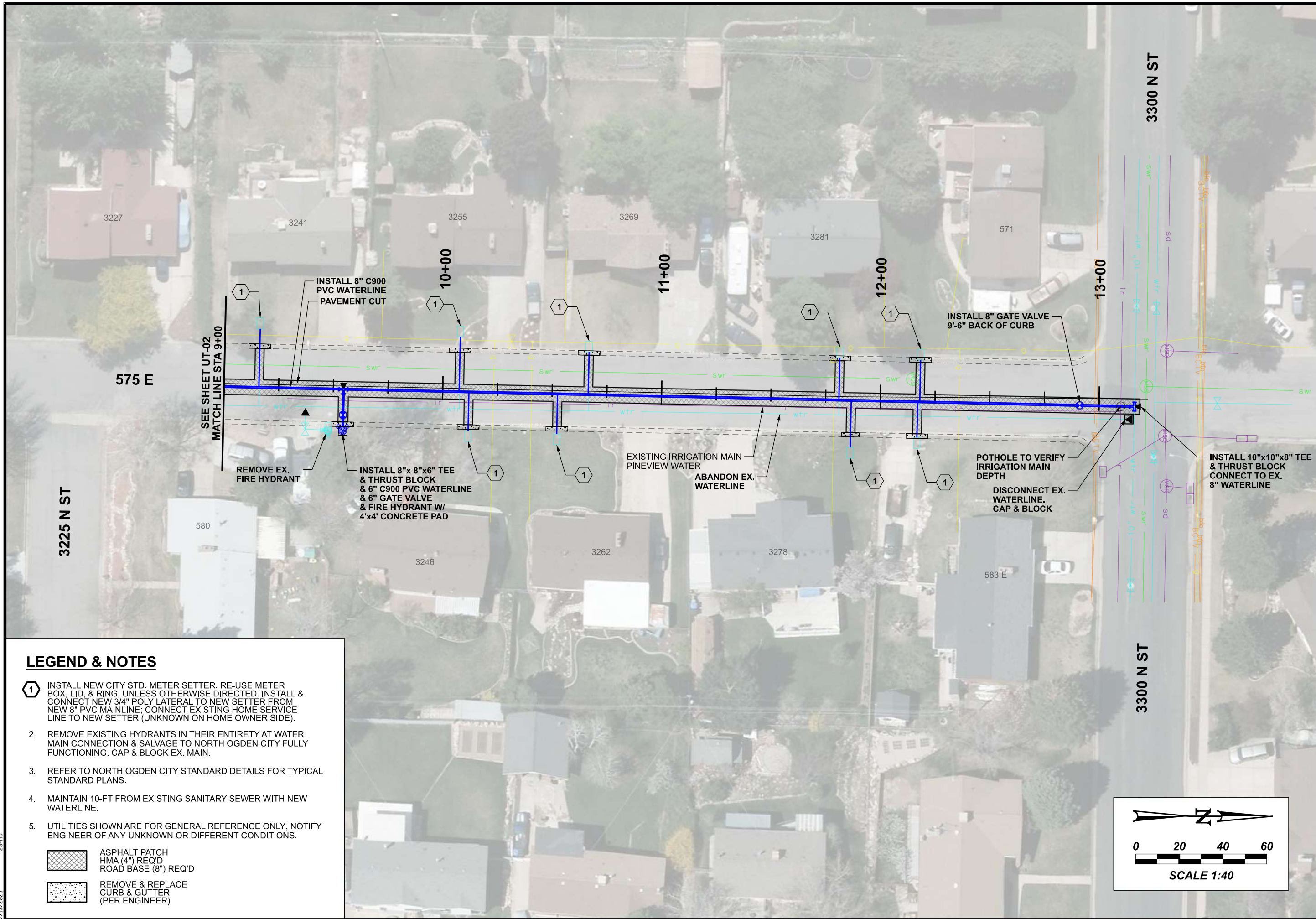
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NORTH OGDEN CITY
 2024 WATERLINE
 REPLACEMENT PROJECT
CULINARY WATERLINE PLAN

SHEET NO.	06
SHEET TYP.	UT-02
PROJ. NO.	23-115

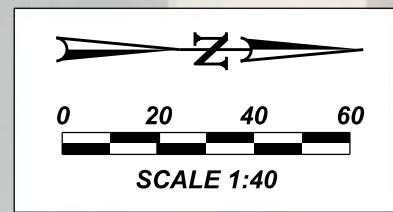
23-115
7/13/2023



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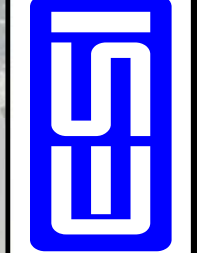


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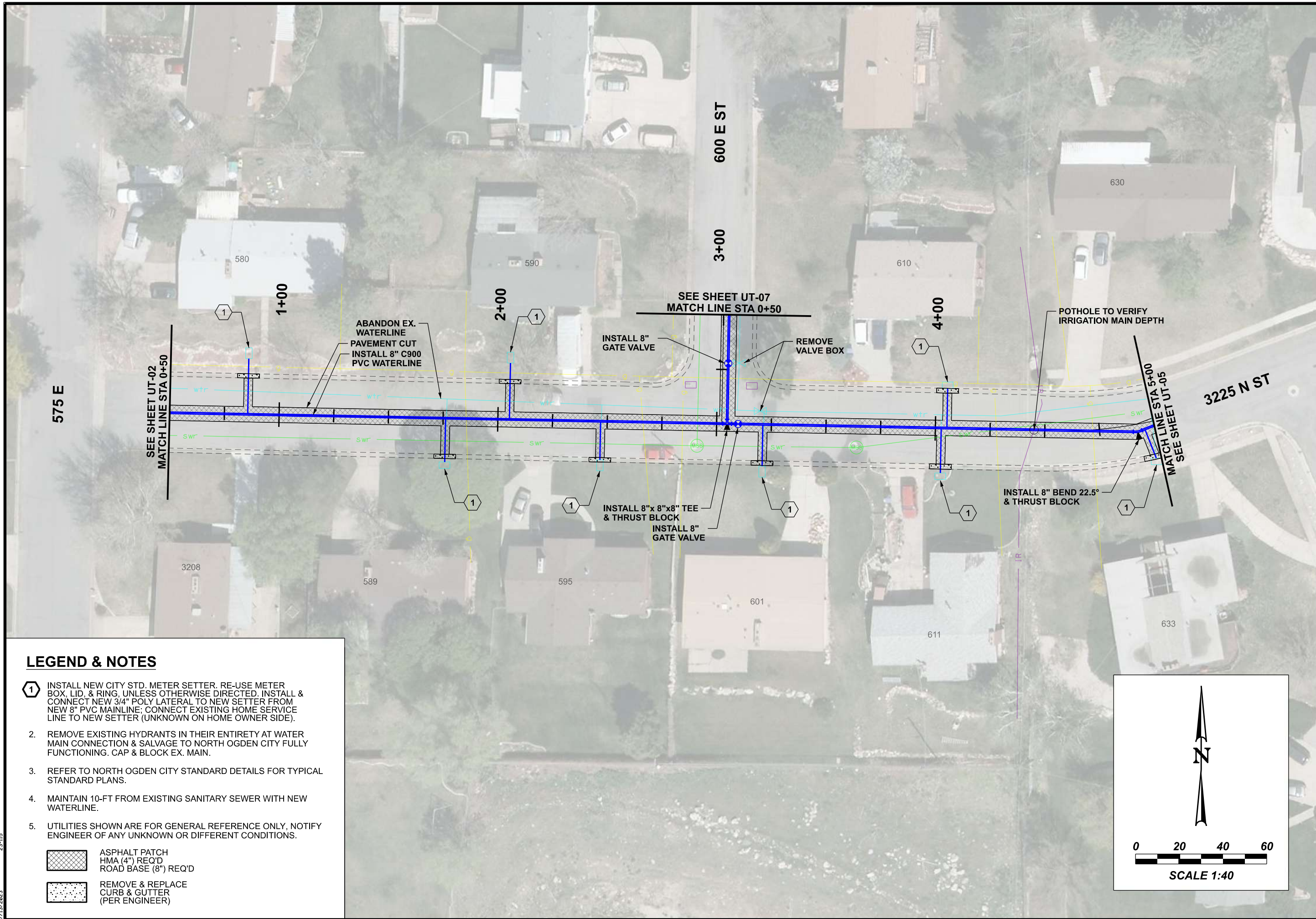
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NORTH OGDEN CITY
 2024 WATERLINE
 REPLACEMENT PROJECT
CULINARY WATERLINE PLAN



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SHEET TYP. UT-03
PROJ. NO. 23-115

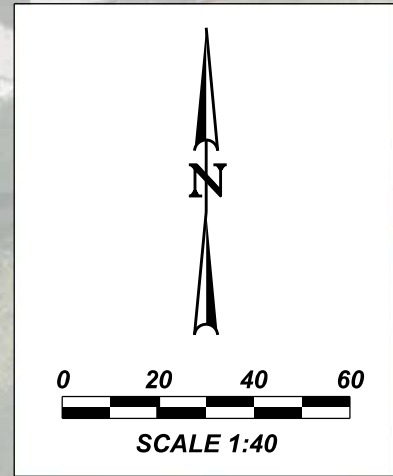
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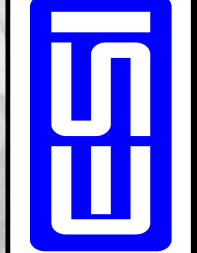


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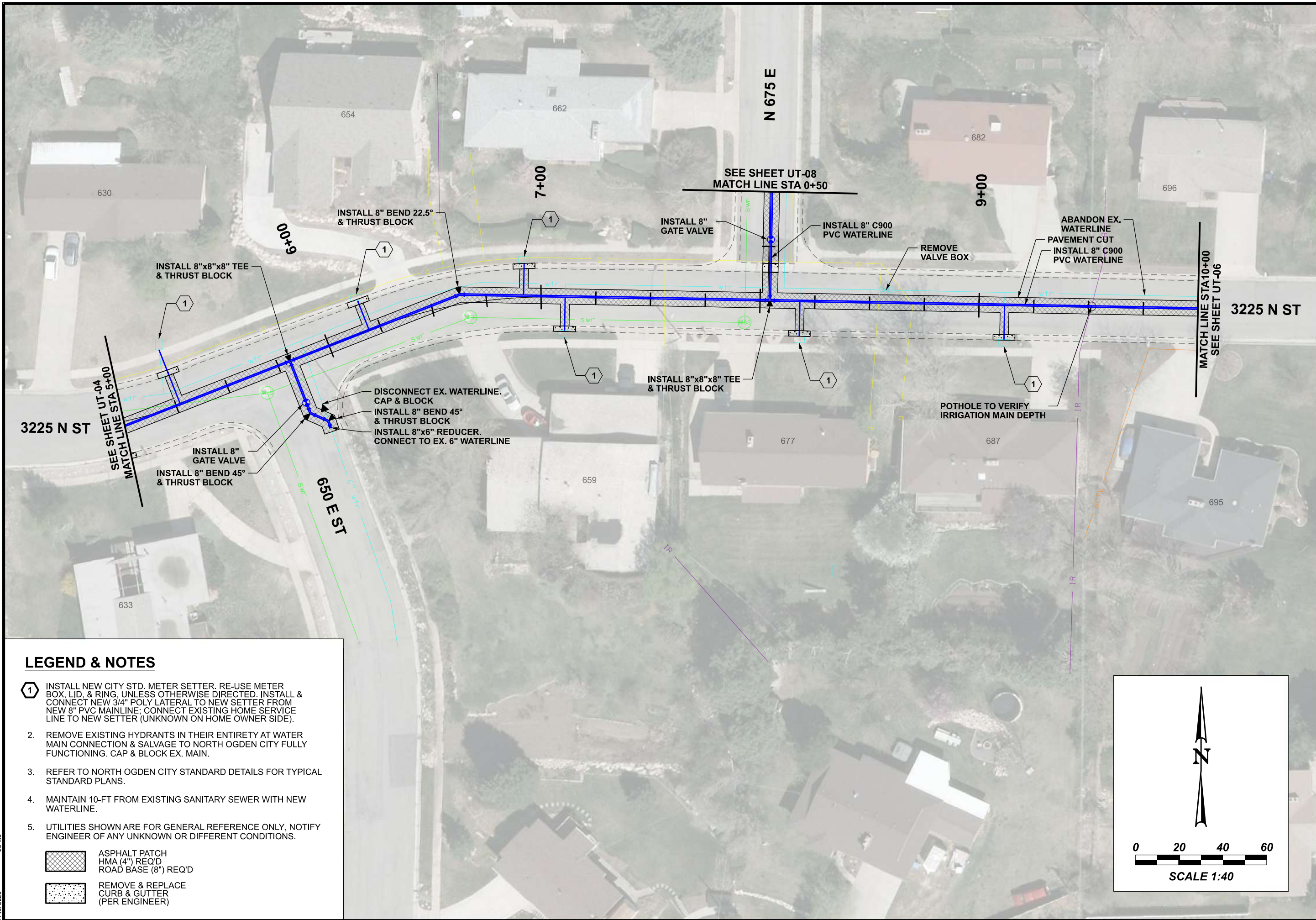
ESI ENGINEERING, INC.
 CONSULTING ENGINEERS
 AND LAND SURVEYORS
 4141 W 2100 S, SUITE 100
 SALT LAKE CITY, UTAH 84120
 TEL. 801.263.1752 FAX 801.263.1780



NORTH OGDEN CITY
 2024 WATERLINE
 REPLACEMENT PROJECT
CULINARY WATERLINE PLAN

SHEET NO.	08
SHEET TYP.	UT-04
PROJ. NO.	23-115

23-115
7/13/2023



LEGEND & NOTES

- ① INSTALL NEW CITY STD. METER SETTER. RE-USE METER BOX, LID, & RING, UNLESS OTHERWISE DIRECTED. INSTALL & CONNECT NEW 3/4" POLY LATERAL TO NEW SETTER FROM NEW 8" PVC MAINLINE; CONNECT EXISTING HOME SERVICE LINE TO NEW SETTER (UNKNOWN ON HOME OWNER SIDE).
- 2. REMOVE EXISTING HYDRANTS IN THEIR ENTIRETY AT WATER MAIN CONNECTION & SALVAGE TO NORTH OGDEN CITY FULLY FUNCTIONING. CAP & BLOCK EX. MAIN.
- 3. REFER TO NORTH OGDEN CITY STANDARD DETAILS FOR TYPICAL STANDARD PLANS.
- 4. MAINTAIN 10-FT FROM EXISTING SANITARY SEWER WITH NEW WATERLINE.
- 5. UTILITIES SHOWN ARE FOR GENERAL REFERENCE ONLY, NOTIFY ENGINEER OF ANY UNKNOWN OR DIFFERENT CONDITIONS.

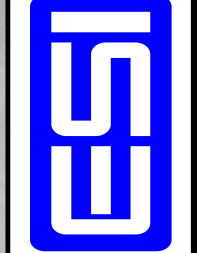
	ASPHALT PATCH HMA (4") REQ'D ROAD BASE (8") REQ'D
	REMOVE & REPLACE CURB & GUTTER (PER ENGINEER)

NO.	DATE	APPROVED BY	REMARKS



1/12/2024	DATE
MDF	DRAWN BY
BFC	CHECKED BY

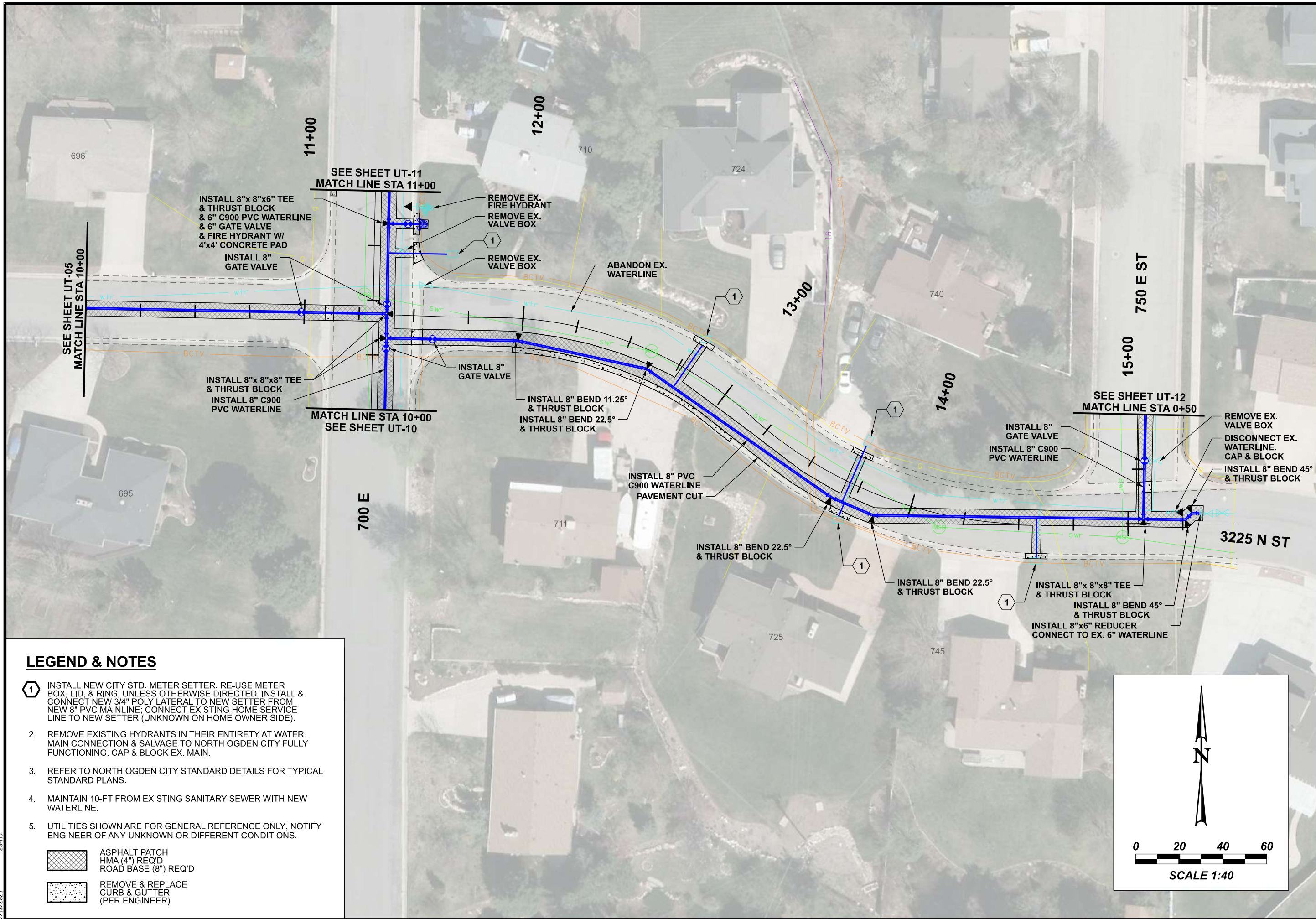
ESI ENGINEERING, INC.
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NORTH OGDEN CITY
 2024 WATERLINE
 REPLACEMENT PROJECT
CULINARY WATERLINE PLAN

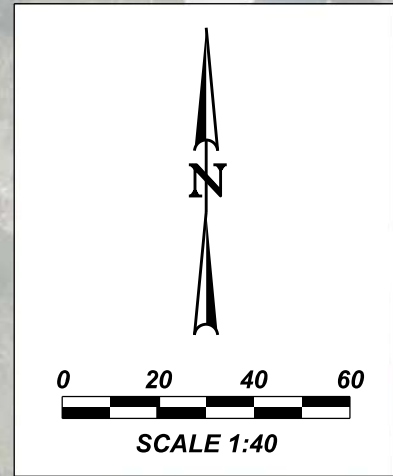
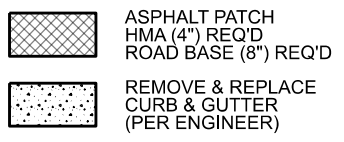
SHEET NO.	09
SHEET TYP.	UT-05
PROJ. NO.	23-115

23-115
7/13/2023



LEGEND & NOTES

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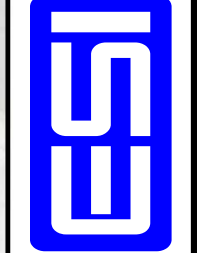


NO.	DATE	APPROVED BY	REMARKS



1/12/2024	DATE
MDF	DRAWN BY
BFC	CHECKED BY

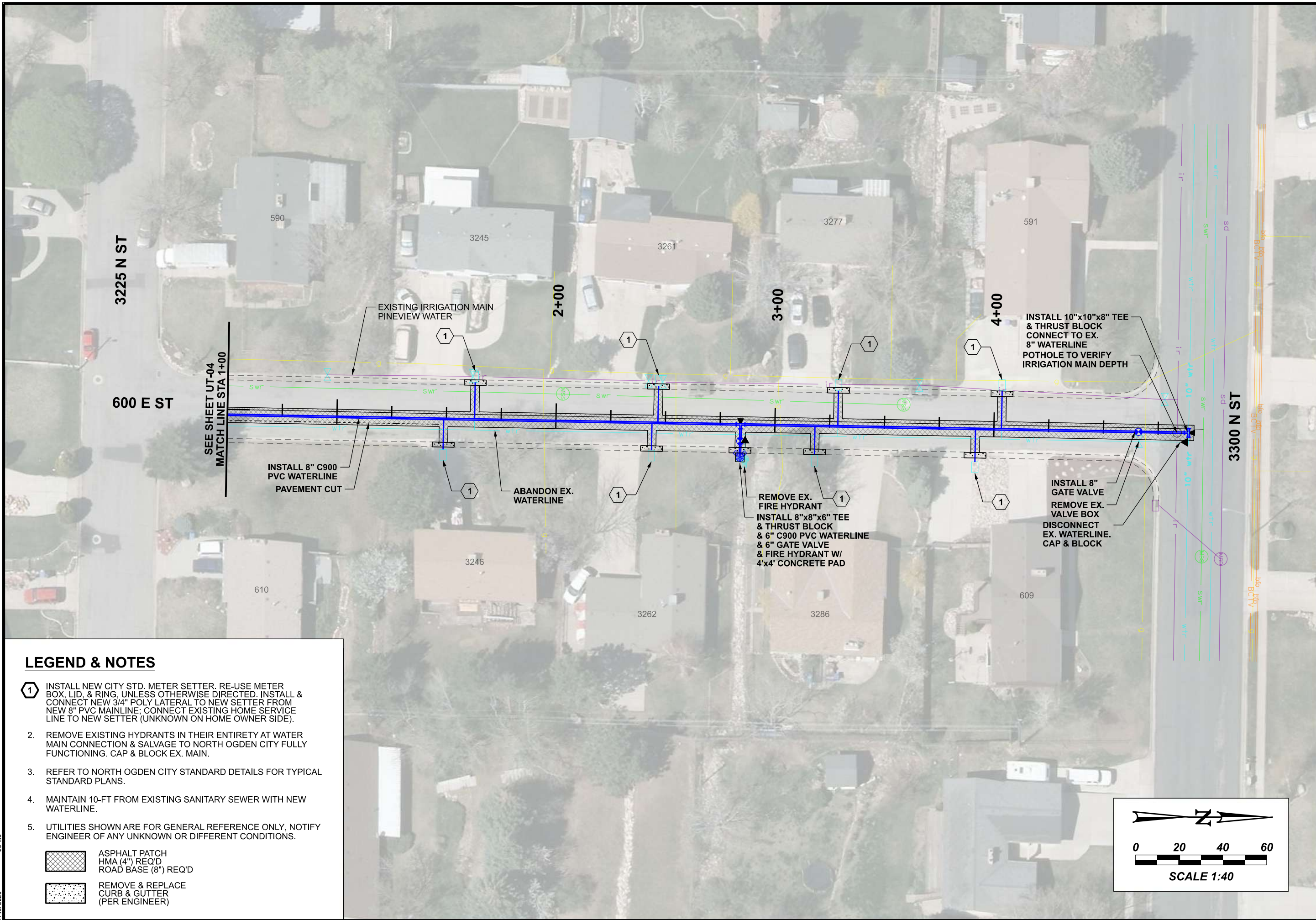
ESI ENGINEERING, INC.
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NORTH OGDEN CITY
 2024 WATERLINE
 REPLACEMENT PROJECT
CULINARY WATERLINE PLAN

SHEET NO.	10
SHEET TYP.	UT-06
PROJ. NO.	23-115

23-115
7/13/2023



LEGEND & NOTES

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	ASPHALT PATCH HMA (4") REQ'D ROAD BASE (8") REQ'D
	REMOVE & REPLACE CURB & GUTTER (PER ENGINEER)

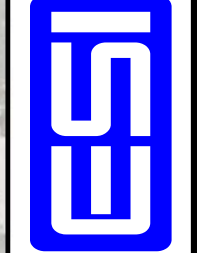


NO.	DATE	APPROVED BY	REMARKS



1/12/2024	DATE
MDF	DRAWN BY
BFC	CHECKED BY

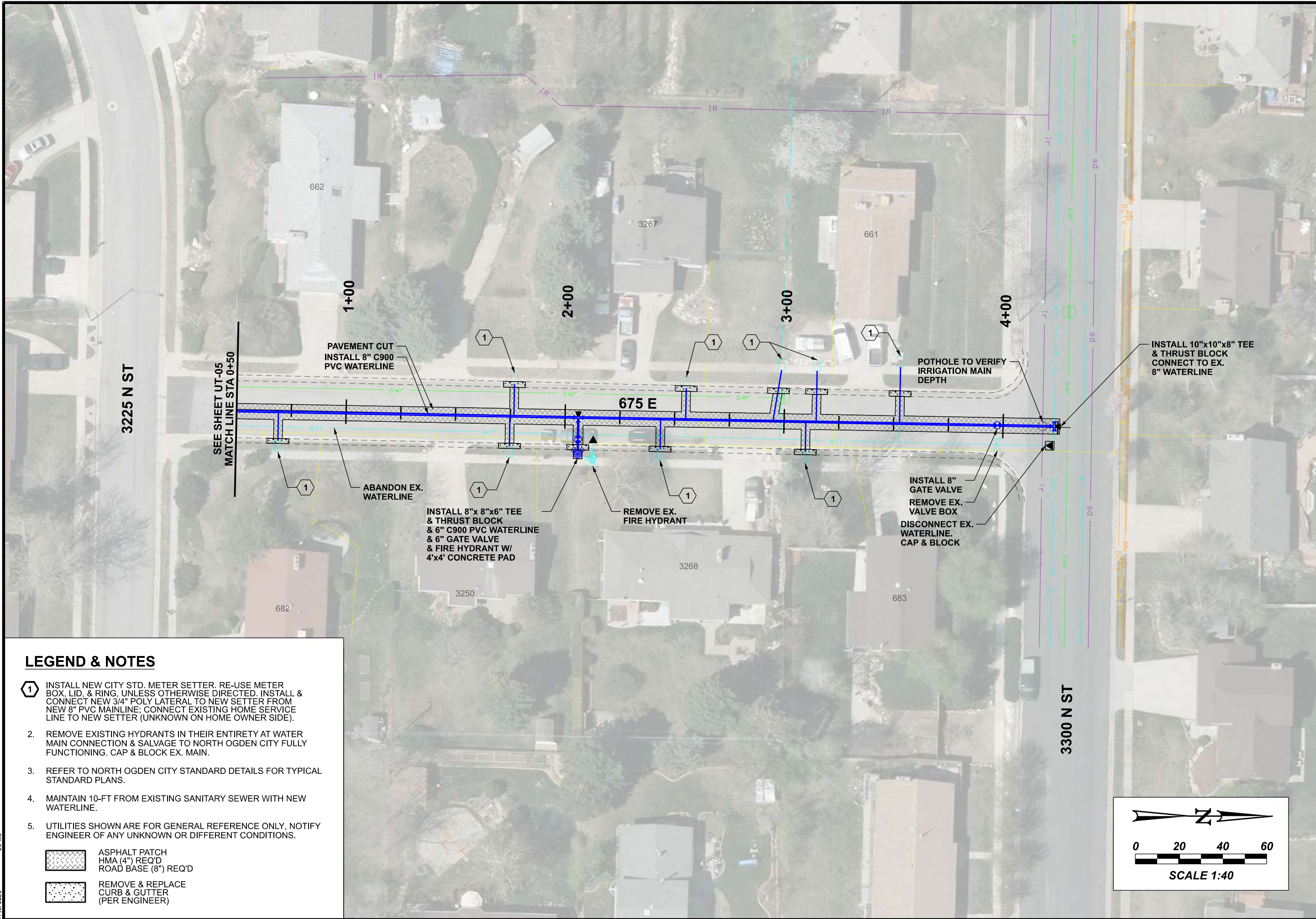
ESI ENGINEERING, INC.
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NORTH OGDEN CITY
 2024 WATERLINE
 REPLACEMENT PROJECT
CULINARY WATERLINE PLAN



SHEET NO. 11
SHEET TYP. UT-07
PROJ. NO. 23-115

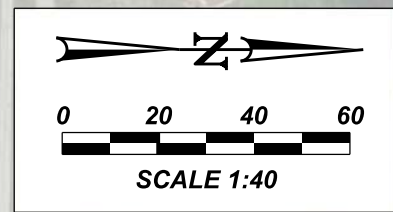
7/13/2023 23-115



LEGEND & NOTES

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HMA (4") REQ'D
ROAD BASE (8") REQ'D
-  REMOVE & REPLACE
CURB & GUTTER
(PER ENGINEER)

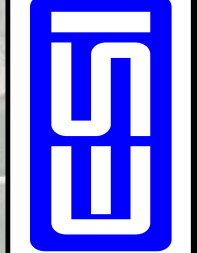


NO.	DATE	APPROVED BY	REMARKS



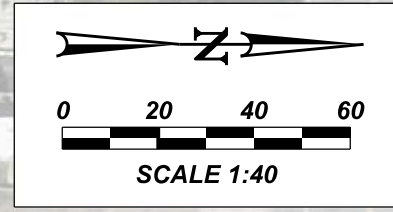
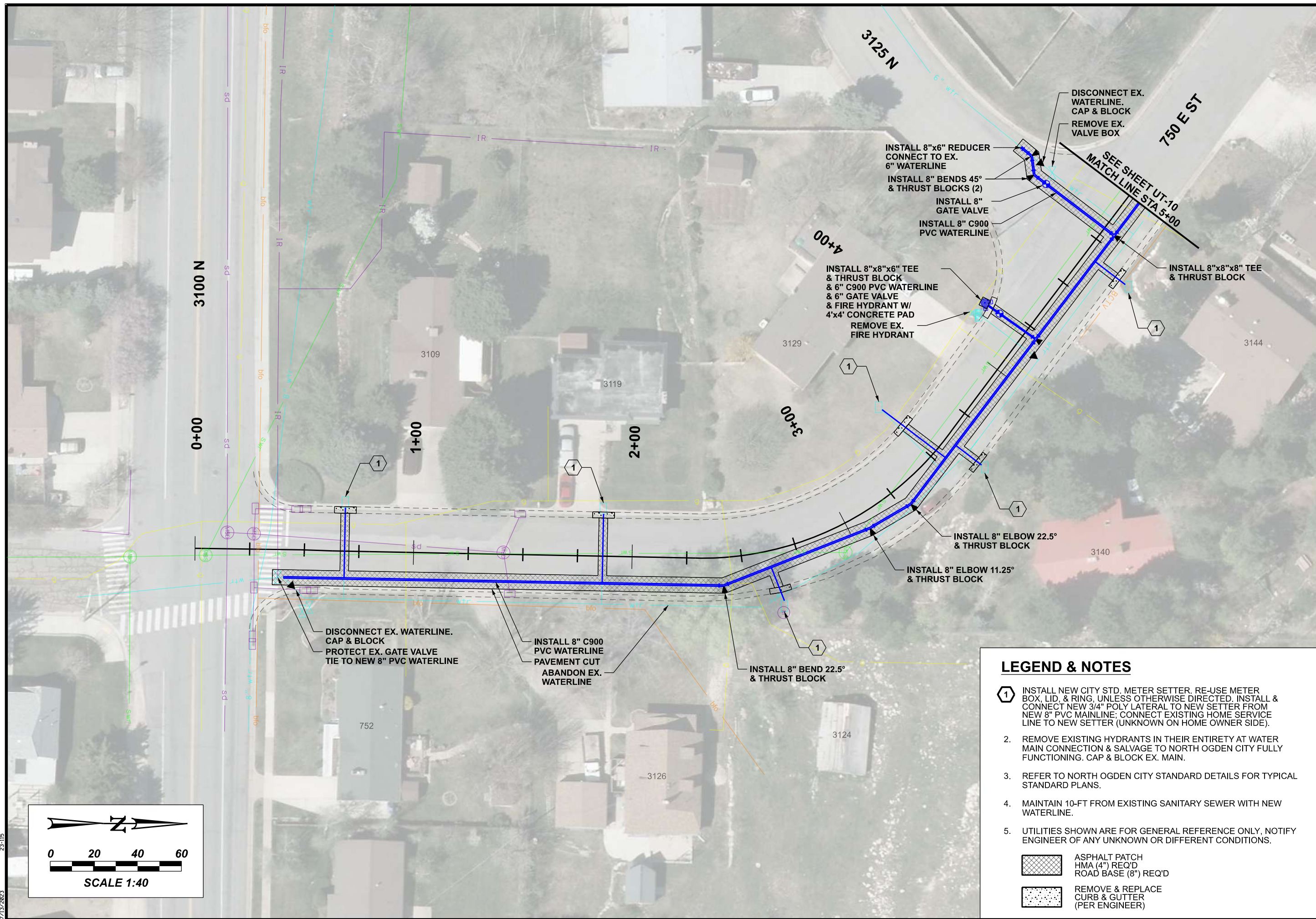
1/12/2024	DATE
MDF	DRAWN BY
BFC	CHECKED BY

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NORTH OGDEN CITY
 2024 WATERLINE
 REPLACEMENT PROJECT
CULINARY WATERLINE PLAN

SHEET NO. 12
SHEET TYP. UT-08
PROJ. NO. 23-115

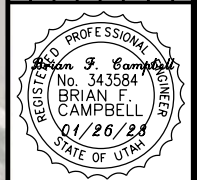


LEGEND & NOTES

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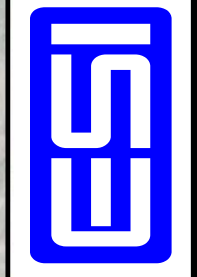
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-  REMOVE & REPLACE
CURB & GUTTER
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NO.	DATE	APPROVED BY	REMARKS



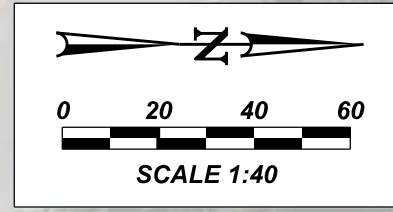
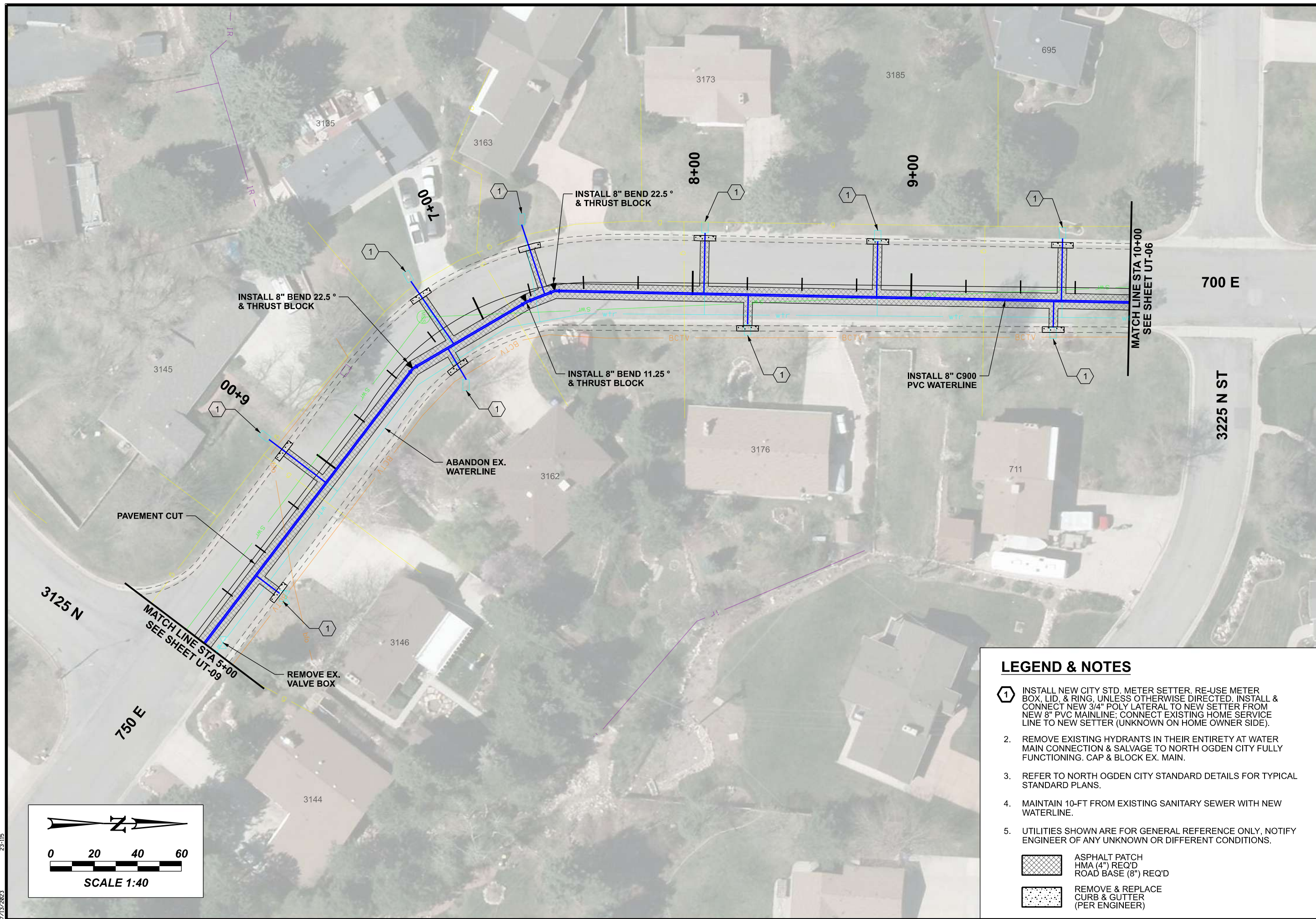
1/12/2024	DATE	MDF	QC

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NORTH OGDEN CITY	
2024 WATERLINE REPLACEMENT PROJECT	
CULINARY WATERLINE PLAN	
SHEET NO.	13
SHEET TYP.	UT-09
PROJ. NO.	23-115

23-115
7/13/2023

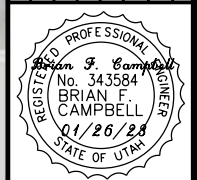


LEGEND & NOTES

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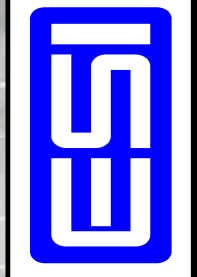
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CURB & GUTTER
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NO.	DATE	APPROVED BY	REMARKS



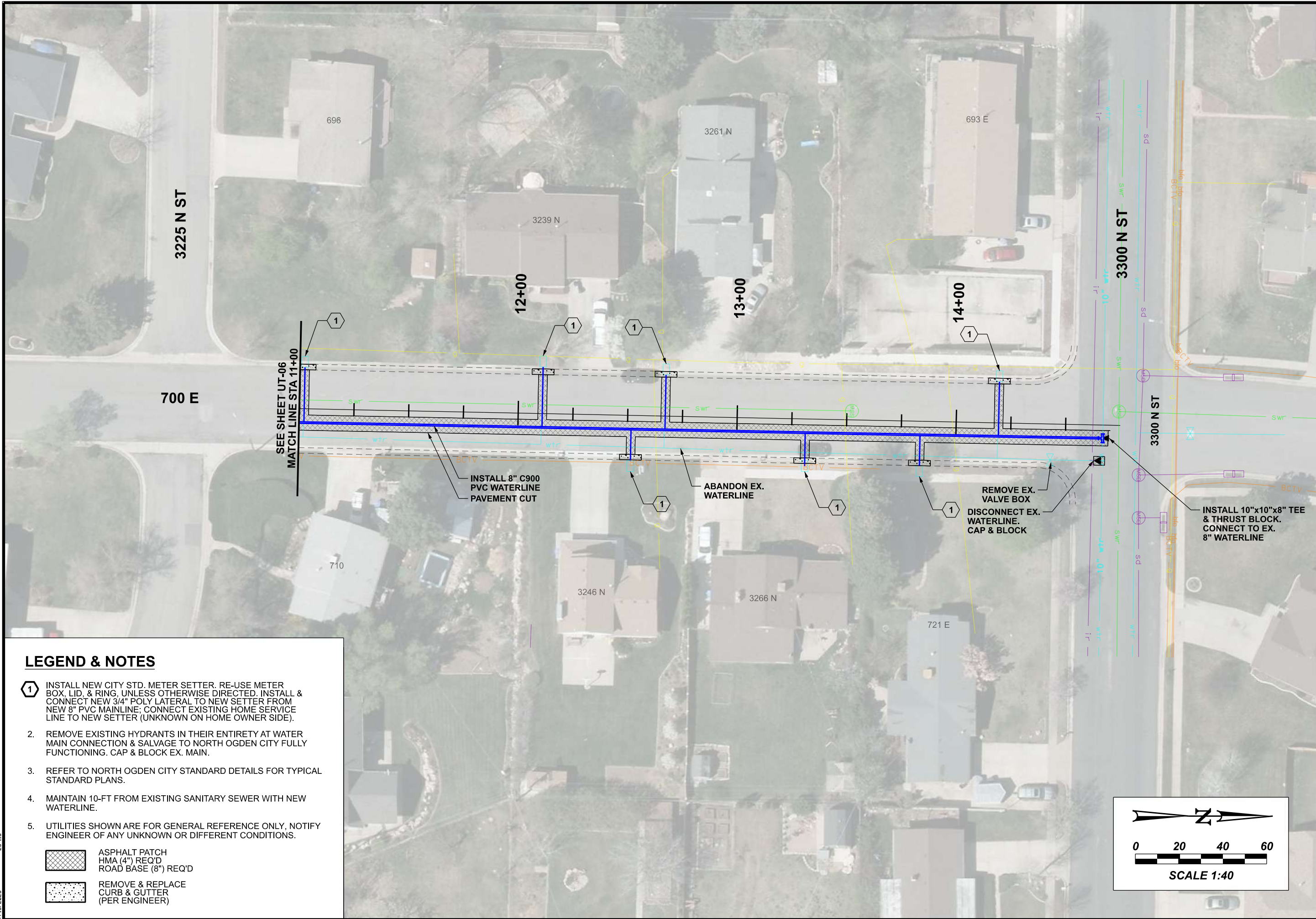
1/12/2024	DATE	MDF	DRAWN BY
BFC	CHECKED BY	BFC	QC

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 4441 W 2100 S, SUITE 100
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

NORTH OGDEN CITY 2024 WATERLINE REPLACEMENT PROJECT	SHEET NO. 14
CULINARY WATERLINE PLAN	SHEET TYP. UT-10
	PROJ. NO. 23-115

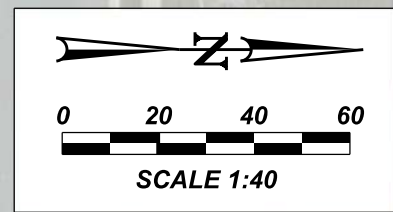
7/13/2023 23-115



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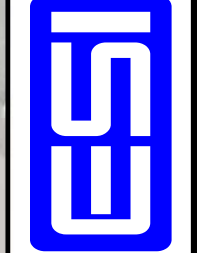


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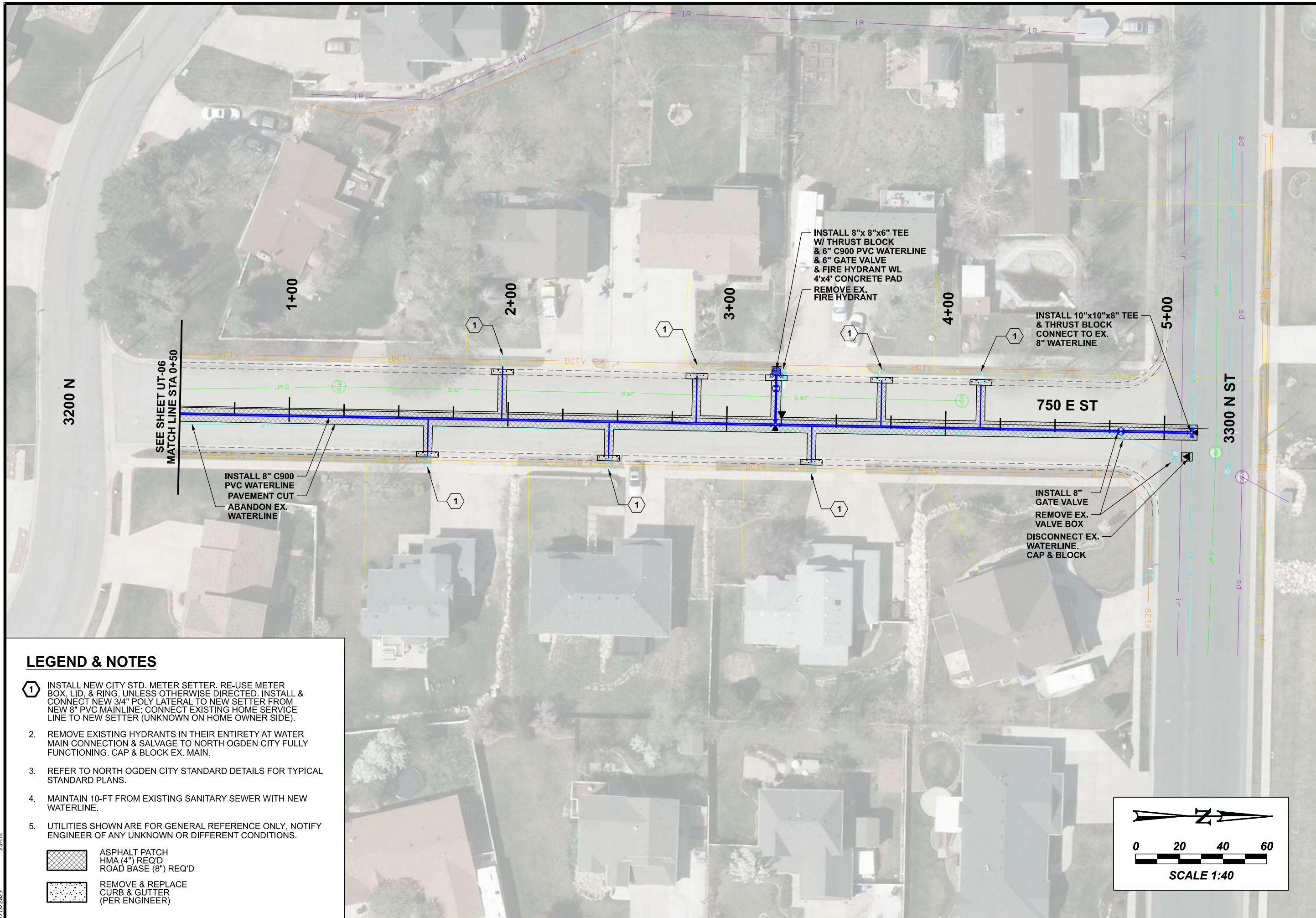
ESI ENGINEERING, INC.
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NORTH OGDEN CITY
 2024 WATERLINE
 REPLACEMENT PROJECT
CULINARY WATERLINE PLAN



SHEET NO.	15
SHEET TYP.	UT-11
PROJ. NO.	23-115

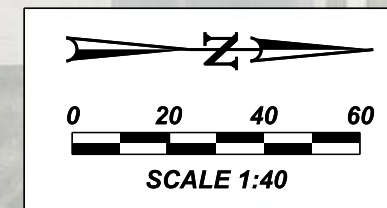
7/13/2023 23-115



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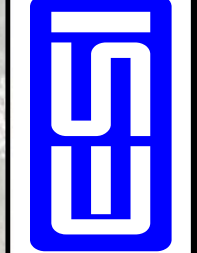


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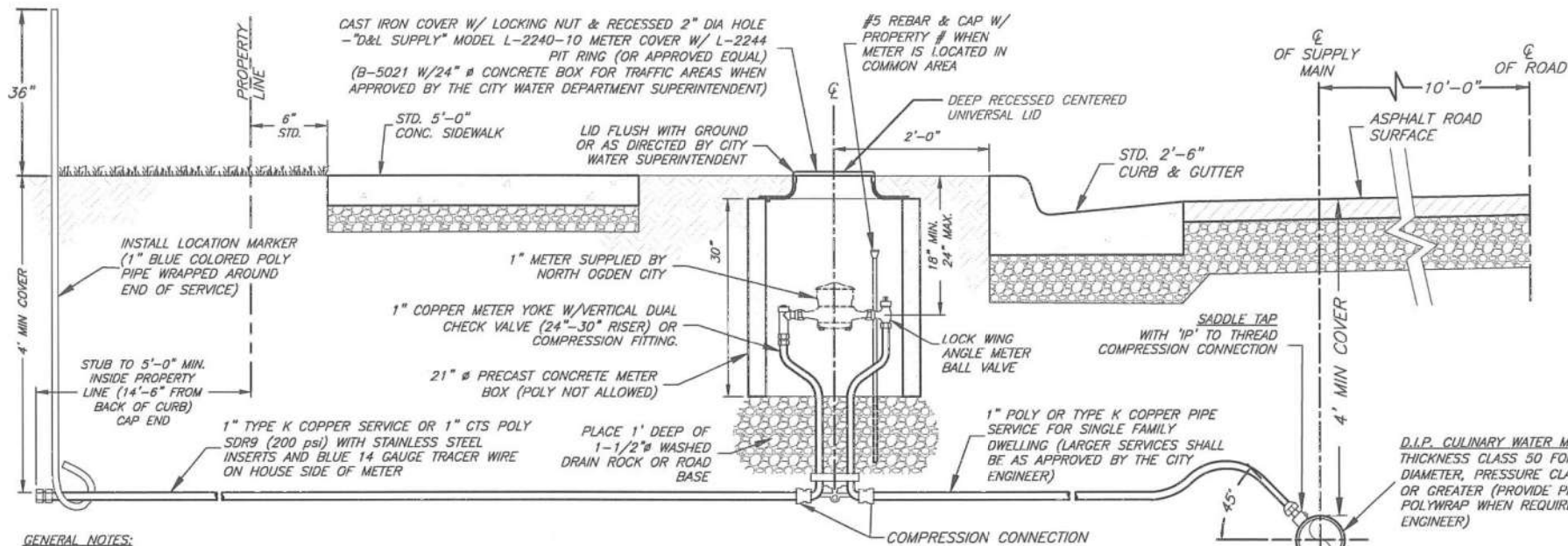
ESI ENGINEERING, INC.
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NORTH OGDEN CITY
2024 WATERLINE
REPLACEMENT PROJECT
CULINARY WATERLINE PLAN

SHEET NO. 16
SHEET TYP. UT-12
PROJ. NO. 23-115

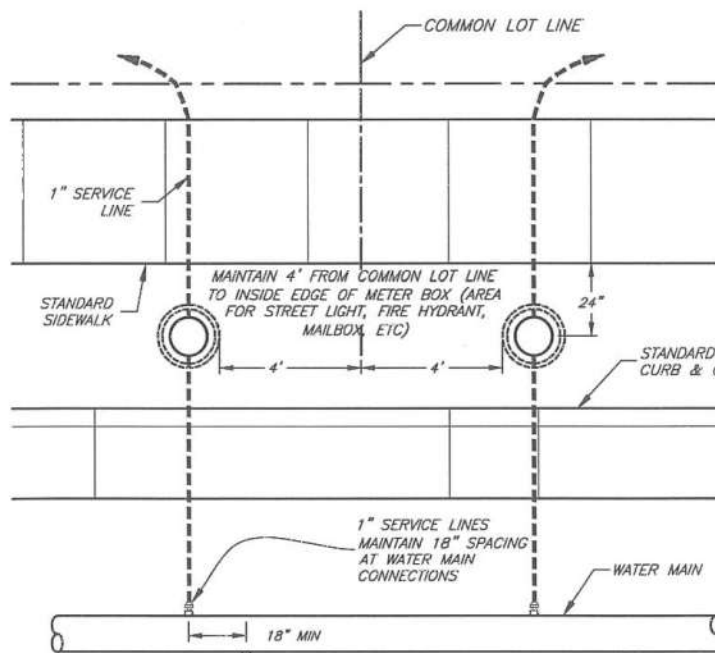
7/13/2023 23-115



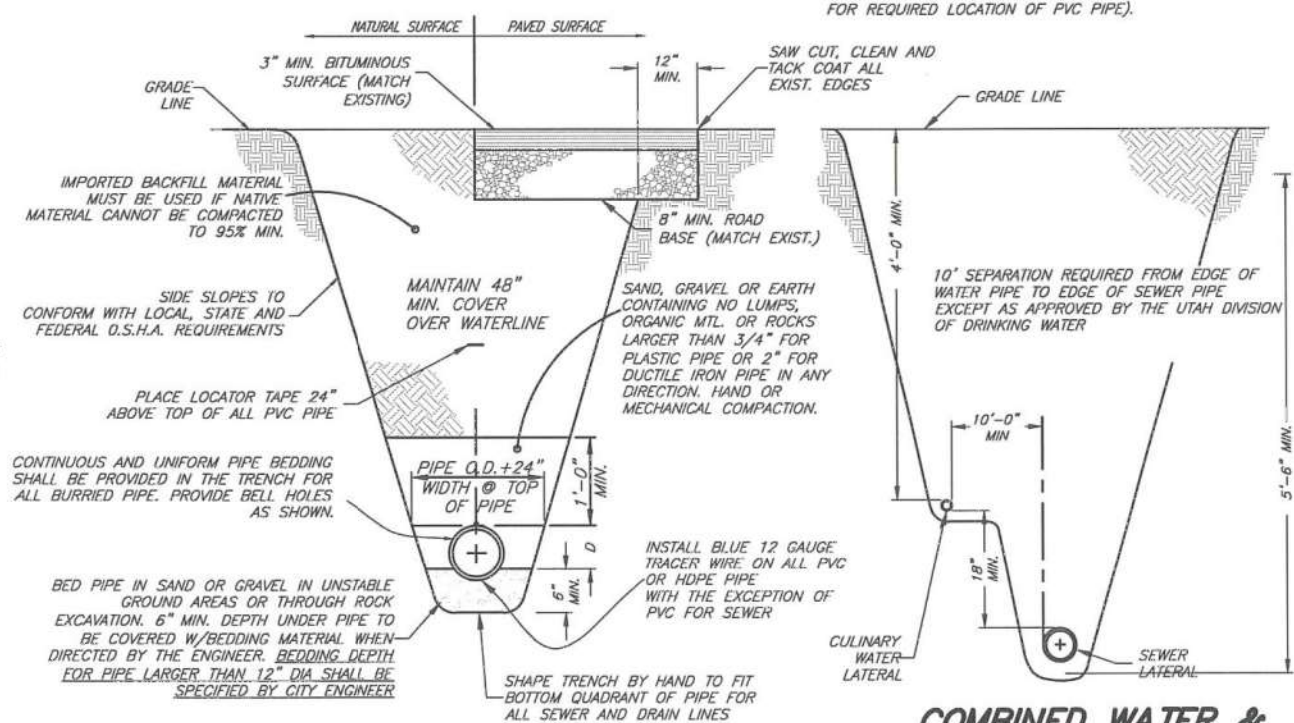
GENERAL NOTES:

1. PROPERTY OWNER OR CONTRACTOR SHALL PAY FOR ALL COSTS OF INSTALLATION INCLUDING ALL MATERIALS, ALL EXCAVATION AND FILL, ASPHALT REPLACEMENT AND WATER MAIN CONNECTION. CITY TO FURNISH METER (UP TO 1" SIZE) AT NO COST.
2. INSPECTION OF ALL WATER LINE INSTALLATIONS WILL BE DONE BY NORTH OGDEN CITY WATER DEPARTMENT, WITH A 48 HOUR MINIMUM NOTICE REQUIRED PRIOR TO START OF WORK.
3. IF APPLICABLE, A NORTH OGDEN CITY CUT PERMIT MUST BE REQUESTED AND APPROVED PRIOR TO START OF WORK.
4. PROPERTY OWNER RESPONSIBLE FOR PIPING AND FITTINGS ON HOUSE SIDE OF THE METER.

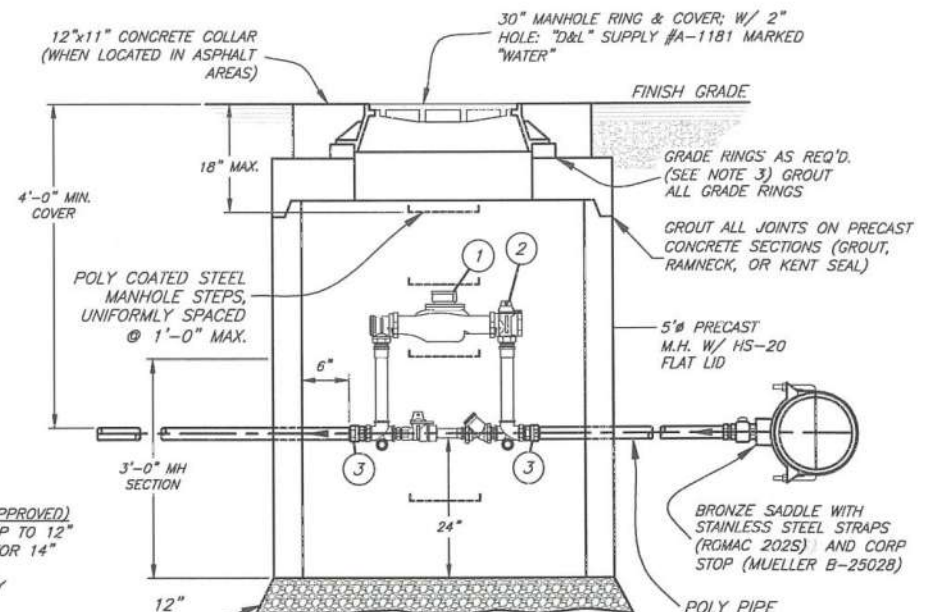
TYPICAL CULINARY WATER SERVICE CONNECTION



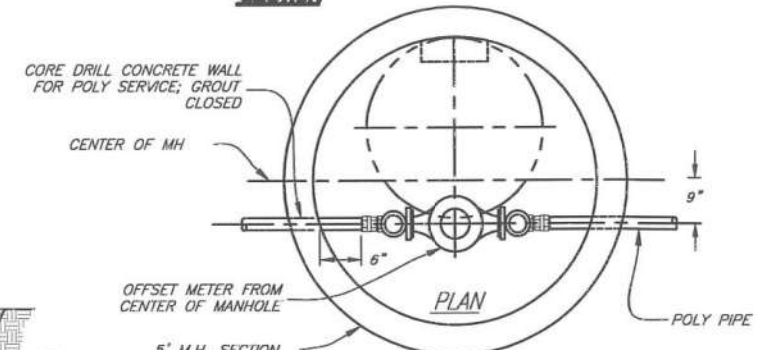
STANDARD WATER METER LOCATION



TYPICAL TRENCH SECTION
(WATER, SEWER, AND STORM DRAIN)



SECTION



1 1/2" & 2" WATER METER STATION

NO.	DESCRIPTION	JOINT TYPE	1 1/2" LINE	2" LINE
1 1/2" & 2" METER STA.				
1	"OCTAVE ULTRASONIC" METER (SUPPLIED BY CITY)	FL	1 1/2"	2"
2	METER YOKE (18" HEIGHT)	-	1 1/2"	2"
3	COMPRESSION CONN. COUPLING	-	1 1/2"	2"

1 1/2" & 2" METER NOTES:

1. 1/2" SERVICE LINE-13" METER
- 2" SERVICE LINE-17" METER
2. CITY SHALL SUPPLY METER.
3. NO MORE THAN 12" OF GRADE RINGS TO BE ALLOWED ON ANY MANHOLE
4. RAISE ALL MANHOLES TO FINISH GRADE OF STREET FOLLOWING PAVING WITH A CONCRETE COLLAR. COLLAR TO BE HELD DOWN 1/2" BELOW TOP OF NEW ASPHALT.
5. ALL SERVICE LINES TO METER SHALL BE POLY OR TYPE K COPPER PIPE.

ALL SPECIFIED BRANDS OF MATERIALS SHOWN ON THESE DRAWINGS ARE "CITY STANDARDS." OTHER EQUIVALENT BRANDS MAY BE USED WITH THE PRIOR APPROVAL OF THE CITY ENGINEER AND THE CITY WATER DEPARTMENT SUPERINTENDENT.

NO.	DATE	APPROVED BY	REMARKS

1/12/2024 DATE
 MDF DRAWN BY
 BFC CHECKED BY
 1/12/2024 DATE

ESI ENGINEERING, INC.
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NORTH OGDEN CITY
WATERLINE REPLACEMENT
PROJECT

STANDARD DETAILS

SHEET NO. 17
 SHEET TYP. DT-01
 PROJ. NO. 23-115

