

CITY OF COTTAGE GROVE WATER DISTRIBUTION- 05/31/2023

1. ALL MATERIALS AND WORKSMANSHIP OF ITEMS TO BE MAINTAINED BY THE CITY OF COTTAGE GROVE WITHIN PUBLIC EASEMENTS OR STREET RIGHT-OF-WAYS SHALL MEET CURRENT CITY OF COTTAGE GROVE PUBLIC WORKS SPECIFICATIONS. ALL MATERIALS AND WORKSMANSHIP OF IMPROVEMENTS THAT WILL BE PRIVATELY OWNED AND MAINTAINED WILL BE BOUND BY THE CURRENT REQUIREMENTS OF THE STATE OF OREGON AMENDMENTS TO THE UNIFORM PLUMBING CODE CURRENT EDITION, OR CITY OF COTTAGE GROVE BUILDING DIVISION REQUIREMENTS.
2. ALL WORK SHALL MEET THE FOLLOWING SPECIFICATIONS "2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE "2021 OREGON STANDARD DRAWINGS" AND THE SPECIALS SET FORTH IN THE PROJECT MANUAL FOR THIS PROJECT.
3. CONTRACTOR SHALL PROCURE, AND CONFORM TO ALL CONSTRUCTION PERMITS REQUIRED BY THE CITY OF COTTAGE GROVE.
4. ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS 800-332-2334 OR 811).
5. CONTRACTOR TO NOTIFY CITY AND ALL UTILITY COMPANIES A MINIMUM OF 48 BUSINESS HOURS (2 BUSINESS DAYS) PRIOR TO START OF CONSTRUCTION, AND COMPLY WITH ALL OTHER NOTIFICATION REQUIREMENTS OF AGENCIES WITH JURISDICTION OVER THE WORK.
6. CONTRACTOR SHALL PROVIDE ALL BONDS AND INSURANCE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION. WHERE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION, THE CONTRACTOR SHALL SUBMIT A SUITABLE MAINTENANCE BOND PRIOR TO FINAL PAYMENT.
7. ALL MATERIALS AND WORKSMANSHIP FOR FACILITIES IN STREET RIGHT-OF-WAY OR EASEMENTS SHALL CONFORM TO APPLYING AGENCIES' CONSTRUCTION SPECIFICATIONS WHEREIN EACH HAS JURISDICTION, INCLUDING BUT NOT LIMITED TO THE CITY, COUNTY, OREGON HEALTH DIVISION (OHD) AND THE OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ).
8. UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR, CONSTRUCTION OF ALL PUBLIC FACILITIES SHALL BE DONE BETWEEN 7:00 A.M. AND 6:00 P.M., MONDAY THROUGH SATURDAY.
9. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS. USING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE AGENCY REQUIREMENTS AND PROVIDE A COMPLETED PROJECT.
10. ANY INSPECTION BY THE CITY OR OTHER AGENCIES SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS, APPLICABLE CODES, AND AGENCY REQUIREMENTS.
11. CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED DRAWINGS ON THE CONSTRUCTION SITE AT ALL TIMES WHEREON HE WILL RECORD ALL APPROVED DEVIATIONS IN CONSTRUCTION FROM THE APPROVED DRAWINGS, AS WELL AS THE STATION LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES ENCOUNTERED. THESE FIELD RECORD DRAWINGS SHALL BE KEPT UP TO DATE AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION BY THE CITY OR DESIGN ENGINEER'S REPRESENTATIVE UPON REQUEST. FAILURE TO CONFORM TO THIS REQUIREMENT MAY RESULT IN DELAY IN PAYMENT AND/OR FINAL ACCEPTANCE OF THE PROJECT.
12. UPON COMPLETION OF CONSTRUCTION OF ALL NEW FACILITIES, CONTRACTOR SHALL SUBMIT A CLEAN SET OF FIELD RECORD DRAWINGS CONTAINING ALL AS-BUILT INFORMATION TO THE ENGINEER. ALL INFORMATION SHOWN ON THE CONTRACTOR'S FIELD RECORD DRAWINGS SHALL BE SUBJECT TO VERIFICATION. IF SIGNIFICANT ERRORS OR DEVIATIONS ARE NOTED, AN AS-BUILT SURVEY PREPARED AND STAMPED BY A REGISTERED PROFESSIONAL LAND SURVEYOR SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.
13. CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES AS NEEDED DURING CONSTRUCTION WITH A MINIMUM EROSION CONTROL OF INLET PROTECTION. THE CONTRACTOR SHALL CONSULT WITH THE CITY FOR ADDITIONAL EROSION CONTROL MEASURES IN EXTREMELY WET WEATHER CONDITIONS.
14. THE CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A REGISTERED CIVIL ENGINEER AND/OR LAND SURVEYOR LICENSED IN THE STATE OF OREGON TO ESTABLISH CONSTRUCTION CONTROL AND PERFORM INITIAL CONSTRUCTION SURVEYS TO ESTABLISH THE LINES AND GRADES OF IMPROVEMENTS AS INDICATED ON THE DRAWINGS. STAKING FOR BUILDINGS, STRUCTURES, CURBS, GRAVITY DRAINAGE PIPES/STRUCTURES AND OTHER CRITICAL IMPROVEMENTS SHALL BE COMPLETED USING EQUIPMENT ACCURATE TO 0.004 FEET HORIZONTALLY AND 0.00 FEET VERTICALLY, OR BETTER. USE OF GPS EQUIPMENT FOR CONSTRUCTION STAKING OF THESE IMPROVEMENTS IS PROHIBITED. THE REGISTERED PROFESSIONAL SURVEYOR SHALL PROVIDE THE DESIGN ENGINEER WITH COPIES OF ALL GRADE SHEETS FOR CONSTRUCTION STAKING PERFORMED FOR THE PROJECT.
15. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES PER CITY OF COTTAGE GROVE REQUIREMENTS IN ACCORDANCE WITH THE MUTCD (INCLUDING OREGON AMENDMENTS). ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. ALL TRAFFIC CONTROL MEASURES SHALL BE APPROVED AND IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY. PRIOR TO ANY WORK IN THE EXISTING PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL SUBMIT FINAL TRAFFIC CONTROL PLAN TO THE CITY FOR REVIEW AND ISSUANCE OF A LANE CLOSURE OR WORK IN RIGHT-OF-WAY PERMIT.
16. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED OR NECESSARY INSPECTIONS ARE COMPLETED BY AUTHORIZED INSPECTORS PRIOR TO PROCEEDING WITH SUBSEQUENT WORK WHICH COVERS OR THAT IS DEPENDENT ON THE WORK TO BE INSPECTED. FAILURE TO OBTAIN NECESSARY INSPECTIONS(S) AND APPROVAL(S) SHALL RESULT IN THE CONTRACTOR BEING FULLY RESPONSIBLE FOR ALL PROBLEMS ARISING FROM UNSPECTED WORK.
17. UNLESS OTHERWISE SPECIFIED, THE "REQUIRED TESTING AND FREQUENCY" TABLE ON THIS SHEET OUTLINES THE MINIMUM TESTING SCHEDULE FOR THE PROJECT. THIS TESTING SCHEDULE IS NOT COMPLETE, AND DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF OBTAINING ALL NECESSARY INSPECTIONS OR OBSERVATIONS FOR ALL WORK PERFORMED, REGARDLESS OF WHO IS RESPONSIBLE FOR PAYMENT. COST FOR RETESTING SHALL BE BORNE BY THE CONTRACTOR.
18. THE LOCATION AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE ENGINEER OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND SIZES OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MARKING ALL EXISTING SURVEY MONUMENTS OF RECORD (INCLUDING BUT NOT LIMITED TO PROPERTY AND STREET MONUMENTS) PRIOR TO CONSTRUCTION. IF ANY SURVEY MONUMENTS ARE REMOVED, DISTURBED OR DESTROYED DURING CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A REGISTERED PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF OREGON TO REFERENCE AND REPLACE ALL SUCH MONUMENTS PRIOR TO FINAL PAYMENT. THE MONUMENTS SHALL BE REPLACED WITHIN A MAXIMUM OF 90 DAYS, AND THE COUNTY SURVEYOR SHALL BE NOTIFIED IN WRITING AS REQUIRED BY PER ORS 209.150.
20. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES WHERE NEW FACILITIES CROSS. ALL UTILITY CROSSINGS MARKED OR SHOWN ON THE DRAWINGS SHALL BE POTHOLED USING HAND TOOLS OR OTHER NON BORING METHODS PRIOR TO EXCAVATING. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE OR ALIGNMENT MODIFICATIONS WITHOUT DELAYING THE WORK. IF GRADE OR ALIGNMENT MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER, AND THE DESIGN ENGINEER OR THE OWNER'S REPRESENTATIVE SHALL OBTAIN APPROVAL FROM THE CITY PRIOR TO CONSTRUCTION.
21. ALL FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER-THAN-ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY AND THE DESIGN ENGINEER.

- UTILITIES OR INTERFERING PORTIONS OF UTILITIES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL PLUG THE REMAINING EXPOSED ENDS OF ABANDONED UTILITIES.
23. THE CONTRACTOR SHALL REMOVE ALL EXISTING SIGNS, MAILBOXES, FENCES, LANDSCAPING, ETC., AS REQUIRED TO AVOID DAMAGE DURING CONSTRUCTION AND REPLACE THEM TO EXISTING OR BETTER CONDITION.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING CONSTRUCTION ACTIVITIES TO ENSURE THAT PUBLIC STREETS AND RIGHT-OF-WAYS ARE KEPT CLEAN OF MUD, AND DUST OR DEBRIS. DUST ABATEMENT SHALL BE MAINTAINED BY ADEQUATE WATERING OF THE SITE BY THE CONTRACTOR.
25. FINISH PAVEMENT GRADES AT TRANSITION TO EXISTING PAVEMENT SHALL MATCH EXISTING PAVEMENT GRADES OR BE FEATHERED PAST JOINTS WITH PAVEMENT AS REQUIRED TO PROVIDE A SMOOTH, FREE DRAINING SURFACE.
26. ALL EXISTING OR CONSTRUCTED MANHOLES, CLEANOUTS, MONUMENT BOXES, GAS VALVES, WATER VALVES AND SIMILAR STRUCTURES SHALL BE ADJUSTED TO MATCH FINISH GRADE OF THE PAVEMENT, SIDEWALK, LANDSCAPED AREA OR MEDIAN STRIP WHEREIN THEY LIE. VERIFY THAT ALL VALVE BOXES AND RISERS ARE CLEAN AND CENTERED OVER THE OPERATING NUT.
27. CONTRACTOR SHALL SEED AND MULCH (UNIFORMLY BY HAND OR HYDROSEED) EXPOSED SLOPES AND DISTURBED AREAS WHICH ARE NOT SCHEDULED TO BE PAVED, INCLUDING TRENCH RESTORATION AREAS. IF THE CONTRACTOR FAILS TO APPLY SEED AND MULCH IN A TIMELY MANNER DURING PERIODS FAVORABLE FOR GERMINATION, OR IF THE SEEDS AREAS FAIL TO GERMINATE, THE OWNER REPRESENTATIVE MAY (AT HIS DISCRETION) REQUIRE THE CONTRACTOR TO INSTALL SOOT TO COVER SUCH DISTURBED AREAS.
28. ALL TAPPING OF EXISTING MUNICIPAL SANITARY SEWER, STORM DRAIN MAINS, AND MANHOLES MUST BE DONE BY CONTRACTOR FORCES.
29. THE CONTRACTOR SHALL HAVE APPROPRIATE EQUIPMENT ON SITE TO PRODUCE A FIRM, SMOOTH, UNDISTURBED SUBGRADE AT THE TRENCH BOTTOM, TRUE TO GRADE. THE BOTTOM OF THE TRENCH EXCAVATION SHALL BE SMOOTH, FREE OF LOOSE MATERIALS OR TOOTH GROOVES FOR THE ENTIRE WIDTH OF THE TRENCH PRIOR TO PLACING THE GRANULAR BEDDING MATERIAL.
30. ALL PIPES SHALL BE BEDDED WITH MINIMUM 6-INCHES OF 3/4"-0 CRUSHED ROCK BEDDING AND BACKFILLED WITH COMPACTED 3/4"-0 CRUSHED ROCK IN THE PIPE ZONE (CRUSHED ROCK SHALL EXTEND A MINIMUM OF 12-INCHES OVER THE TOP OF THE PIPE IN ALL CASES). CRUSHED ROCK OR CDF TRENCH BACKFILL SHALL BE USED UNDER ALL IMPROVED AREAS, INCLUDING PAVEMENT, SIDEWALKS, FOUNDATION SLABS, BUILDINGS, ETC. IN ACCORDANCE WITH THE PLANS & SPECIFICATIONS. GRANULAR TRENCH BACKFILL SHALL BE COMPACTED TO 95% IN ROADWAYS AND 92% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR) OUTSIDE OF ROADWAYS.
31. GRANULAR TRENCH BEDDING AND BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF OSSC (ODOT/APWA) 02630.10 (DENSE GRADED BASE AGGREGATE), 3/4"-0. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, COMPACT GRANULAR BACKFILL TO 95% IN ROADWAYS AND 92% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR) OUTSIDE OF ROADWAYS.
32. ALL PIPED UTILITIES ABANDONED IN PLACE SHALL HAVE ALL OPENINGS CLOSED WITH CONCRETE PLUGS WITH A MINIMUM LENGTH EQUAL TO 2 TIMES THE DIAMETER OF THE ABANDONED PIPE.
33. THE END OF ALL UTILITY SERVICE LINES SHALL BE MARKED WITH A 2x-4 PAINTED WHITE AND WIRED TO PIPE STUB. THE PIPE DEPTH SHALL BE WRITTEN ON THE POST IN 2" BLOCK LETTERS.
34. ALL NON-METALLIC WATER, SANITARY AND STORM SEWER PIPING SHALL HAVE AN ELECTRICALLY CONDUCTIVE INSULATED 12 GAUGE, SOLID STRAND COPPER TRACER WIRE THE FULL LENGTH OF THE INSTALLED PIPE USING BLUE WIRE FOR WATER AND GREEN WIRE FOR STORM AND SANITARY PIPING. TRACER WIRE SHALL BE EXTENDED UP INTO ALL VALVE BOXES, CATCH BASINS, MANHOLES AND LATERAL CLEANOUT BOXES. TRACER WIRE PENETRATIONS INTO MANHOLES SHALL BE WITHIN 18 INCHES OF THE RIM ELEVATION AND ADJACENT TO MANHOLE RETIEVAL. THE TRACER WIRE SHALL BE TIED TO THE TOP MANHOLE STEP OR OTHERWISE SUPPORTED TO ALLOW RETRIEVAL FROM THE OUTSIDE OF THE MANHOLE.
35. NO TRENCHES IN SIDEWALKS, ROADS, OR DRIVEWAYS SHALL BE LEFT IN AN OPEN CONDITION OVERNIGHT. ALL SUCH TRENCHES SHALL BE CLOSED BEFORE THE END OF EACH WORKDAY AND NORMAL TRAFFIC AND PEDESTRIAN FLOWS RESTORED.
36. CITY FORCES TO OPERATE ALL VALVES, INCLUDING FIRE HYDRANTS, ON EXISTING PUBLIC MAINS.
37. ALL SANITARY SEWER MAINS SHALL BE D3034 SDR35 PVC. ALL FITTINGS 4-INCHES THROUGH 24-INCHES IN DIAMETER SHALL BE PER MANUFACTURERS RECOMMENDATIONS IN CONFORMANCE WITH ODOT STANDARD SPECIFICATIONS SECTION 00445.43.
38. THREAT RESTRAINT SHALL BE PROVIDED ON ALL BENDS, TEES AND OTHER DIRECTION CHANGES PER LOCAL JURISDICTION REQUIREMENTS AND AS SPECIFIED OR SHOWN ON THE DRAWINGS. UNLESS OTHERWISE SHOWN OR APPROVED BY THE ENGINEER.
39. CONTRACTOR SHALL REIMBURSE CITY FOR COSTS REQUIRED TO FLUSH, TEST AND DISINFECT WATERLINES PER PUBLIC AGENCY REQUIREMENTS.
40. WHERE THE WATER LINE CROSSES OVER THE SEWER LINE BUT WITH A CLEARANCE OF LESS THAN 18-INCHES VERTICAL SEPARATION, IF THE WATER SUPPLIER DETERMINES THAT THE CONDITIONS ARE NOT FAVORABLE, THE SEWER LINE SHALL BE REPLACED WITH A FULL LENGTH OF PIPE CENTERED AT THE CROSSING POINT, OF PVC PRESSURE PIPE, HIGH DENSITY PE PIPE, DUCTILE-IRON CLASS 50, OR OTHER ACCEPTABLE PIPE; OR THE SEWER SHALL BE ENCASED IN A REINFORCED CONCRETE JACKET FOR A DISTANCE OF 10 FEET ON BOTH SIDES OF THE CROSSING IN ACCORDANCE WITH OAR 333-061-0050 AND LOCAL JURISDICTION REQUIREMENTS.
41. CONTRACTOR TO PROVIDE TESTING OF SANITARY SEWER PIPE AND APPURTENANCES FOR LEAKAGE IN ACCORDANCE WITH TEST SCHEDULES HEREIN OR CITY'S CONSTRUCTION STANDARDS, WHICHEVER ARE MORE STRINGENT. SANITARY SEWER PIPE AND APPURTENANCES SHALL BE TESTED FOR LEAKAGE.
42. CONTRACTOR SHALL NOTIFY AND COORDINATE WITH FRANCHISE UTILITIES FOR REMOVAL OR RELOCATION OF POWER POLES, VALVS, PEDESTALS, MANHOLES, ETC. TO AVOID CONFLICT WITH CITY UTILITY STRUCTURES, FIRE HYDRANTS, METERS, SEWER OR STORM LATERALS, ETC.
43. ANY ABRUPT EDGE GREATER THAN 2 INCHES IN DEPTH, CLOSER THAN 4 FEET FROM AN ACTIVE TRAFFIC LANE, AND HAVING A DURATION OF EXPOSURE LONGER THAN 72 HOURS SHALL BE REQUIRED TO FOLLOW THE "TYPICAL ABRUPT EDGE SIGNING DETAIL" ON ODOT STANDARD DRAWING TM800 ON SHEET C3.1.
44. WHEN CONSTRUCTION ACTIVITIES BLOCK OR INTERFERE WITH THE NORMAL PEDESTRIAN ROUTING, PROVIDE SAFE PASSAGE FOR PEDESTRIANS THROUGH THE CONSTRUCTION AREA UTILIZING ODOT STANDARD DRAWING TM840 ON SHEET C3.1 AND THE REQUIREMENTS OF THE CURRENT EDITION OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (BLUE BOOK), REFER TO SUBSECTION 00220.02.



1. SURVEY INFORMATION PROVIDED BY KPFF, DATED JULY 11, 2022.
2. CONSTRUCTION SHALL BE COMPLETE BY JUNE 30, 2023. THIS INCLUDES ONE WEEK FOR WATER LINE EXTENSION CONSTRUCTION AND INSTALLATION, AND ONE WEEK FOR DISINFECTION, TESTING, AND INSPECTION REQUIRED BY CITY OF COTTAGE GROVE STANDARDS.
3. PROVIDE TEMPORARY CONNECTIONS, BLOWOFFS AND THRUST RESTRAINTS AS REQUIRED TO FACILITATE FLUSHING, TESTING AND DISINFECTION. AT COMPLETION OF DISINFECTION, REMOVE TEMPORARY TEST TAPS AND REPLACE WITH TEMPORARY PLUGS UNTIL CONNECTIONS TO EXISTING FACILITIES ARE COMPLETE.
4. VERTICAL DATUM - NAV 88 (GEOID 12A) ELEVATION WAS ESTABLISHED THROUGH A GPS OBSERVATION ON CONTROL POINT NO.1 USING THE OREGON REAL-TIME GPS NETWORK (ORGN).
5. BASIS OF BEARINGS USED FOR SURVEY IS OREGON COORDINATE REFERENCE SYSTEM (OCRS), EUGENE ZONE.

REQUIRED TESTING AND FREQUENCY TABLE		PARTY RESPONSIBLE FOR PAYMENT	
		CONTRACTOR	
STREETS, PARKING LOTS, PADS, FILLS, ETC			
ASPHALT	1 TEST/6,000 S.F./LIFT (4 MIN.)	X	SEE NOTE 2
PIPED UTILITIES, ALL			
TRENCH BACKFILL	1 TEST/200 FOOT TRENCH/LIFT (4 MIN.)	X	SEE NOTE 2
TRENCH AC RESTORATION	1 TEST/300 FOOT OF TRENCH (4 MIN.)	X	SEE NOTE 2
STORM SEWER (GRAVITY)			
PIPE	- AIR OR HYDROSTATIC PER ODOT REQUIREMENTS -DEFLECTION TESTING PER ODOT REQUIREMENTS -VIDEO INSPECTION PER ODOT REQUIREMENTS.	X	SEE NOTE 2
MANHOLES	VACUUM TESTING PER ODOT REQUIREMENTS	X	SEE NOTE 2
CONCRETE			
	SLUMP, AIR & CYLINDERS FOR ALL STRUCTURES, CURBS, SIDEWALKS, AND PCC PAVEMENTS, UNLESS OTHERWISE SPECIFIED, ONE SET OF CYLINDERS PER 100 CUBIC YARDS (OR PORTION THEREOF) OF CONCRETE POURED PER DAY. SLUMP & AIR TESTS REQUIRED ON SAME LOAD CYLINDERS.	X	SEE NOTE 2
NOTE 1:	"OTHERS" REFERS TO CITY'S AUTHORIZED REPRESENTATIVE OF APPROVING AGENCY AS APPLICABLE. CONTRACTOR RESPONSIBLE FOR SCHEDULING TESTING. ALL TESTING MUST BE COMPLETED PRIOR TO PERFORMING SUBSEQUENT WORK.		
NOTE 2:	TESTING MUST BE PERFORMED BY AN APPROVED INDEPENDENT TESTING LABORATORY OR CITY.		
NOTE 3:	IN ADDITION TO IN-PLACE DENSITY TESTING, THE SUBGRADE AND BASE ROCK SHALL BE PROOF ROLLED WITH A LOADED 10 YARD DUMP TRUCK PROVIDED BY THE CONTRACTOR. BASEROCK PROOFROLL SHALL TAKE PLACE IMMEDIATELY PRIOR TO (WITHIN 24 HOURS OF) PAVING, AND SHALL BE WITNESSED BY THE CITY'S AUTHORIZED REPRESENTATIVE OR APPROVING AGENCY. LOCATION AND PATTERN OF PROOFROLL TO BE DIRECTED BY SAID CITY'S REPRESENTATIVE OR APPROVING AGENCY.		
NOTE 4:	TO BE WITNESSED BY THE CITY'S REPRESENTATIVE OR APPROVING AGENCY. THE CONTRACTOR SHALL PERFORM PRE-TESTS PRIOR TO SCHEDULING WATERLINE OR SANITARY SEWER PRESSURE TESTS, OR PIPELINE MANDREL TEST.		
NOTE 5:	TO BE PERFORMED BY CITY OF COTTAGE GROVE. NOTIFY CITY OF COTTAGE GROVE PUBLIC WORKS FIVE (5) BUSINESS DAYS PRIOR TO REQUIRED TESTING.		



AC	ASPHALT CONCRETE	PVT	PRIVATE
AD	AREA DRAIN	R	RIM
APPROX	APPROXIMATE	R.O.W	RIGHT-OF-WAY
CB	CATCH BASIN	S	SLOPE (FT/FT)
CL	CENTERLINE	ST	STREET
DIA. Ø	DIAMETER	STATION	STATION
DIP	DUCTILE IRON PIPE	STD	STANDARD
E	EASTING	SW	SIDEWALK
EXIST./EX	EXISTING	TC	TOP OF CURB
FG	FINISH GRADE	TP	TOP OF GROUND
FH	FIRE HYDRANT	TG	TOP OF PAVEMENT
IR	INVERT ELEVATION	TRANS.	TRANSFORMER
IRR.	IRRIGATION	TYP	TYPICAL
MIN	MINIMUM	UG	UNDERGROUND ELECTRIC
N	NORTHING	UNO	UNLESS NOTED OTHERWISE
P/L	PROPERTY LINE	W	WATER
P.U.E	PUBLIC UTILITY EASEMENT	WM	WATER METER
PVC	POLYVINYL CHLORIDE	WV	WATER VALVE

UTILITY	COMPANY/CONTACT	CONTACT INFORMATION
WATER	CITY OF COTTAGE GROVE	541.942.3349
SEWER	CITY OF COTTAGE GROVE	541.942.3349
GAS	NW NATURAL/MONTE BROWN	541.954.1255
ELECTRIC	EMERALD PEOPLE'S UTILITY DISTRICT	541.744.7492
TELEPHONE	CENTURY LINK/DEREK VAIL	derek_vail@lumen.com

CIVIL ENGINEER: KPFF CONSULTING ENGINEERS 800 WILLAMETTE ST., SUITE 400 EUGENE, OREGON 97401 TEL: 541-684-4902 EMAIL: matt.keenan@kpff.com CONTACT: MATT KEENAN, PE	CITY PLANNER: CITY OF COTTAGE GROVE 400 E MAIN STREET COTTAGE GROVE, OREGON 97424 TEL: 541-942-3340 EMAIL: planner@cottagegrove.org CONTACT: ERIC MONGAN
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NOTICE TO EXCAVATORS:
ATTENTION: OREGON LAW REQUIRES YOU
TO FOLLOW RULES ADOPTED BY THE
OREGON UTILITY NOTIFICATION CENTER.
THOSE RULES ARE SET FORTH IN OAR
952-001-0010 THROUGH OAR
952-001-0090. YOU MAY OBTAIN
COPIES OF THE RULES BY CALLING THE
CENTER.
(NOTE: THE TELEPHONE NUMBER FOR
THE OREGON UTILITY NOTIFICATION
CENTER IS (503)-232-1987).

POTENTIAL UNDERGROUND FACILITY OWNERS

Dig Safely.
 Call the Oregon One-Call Center
 1-800-332-2344

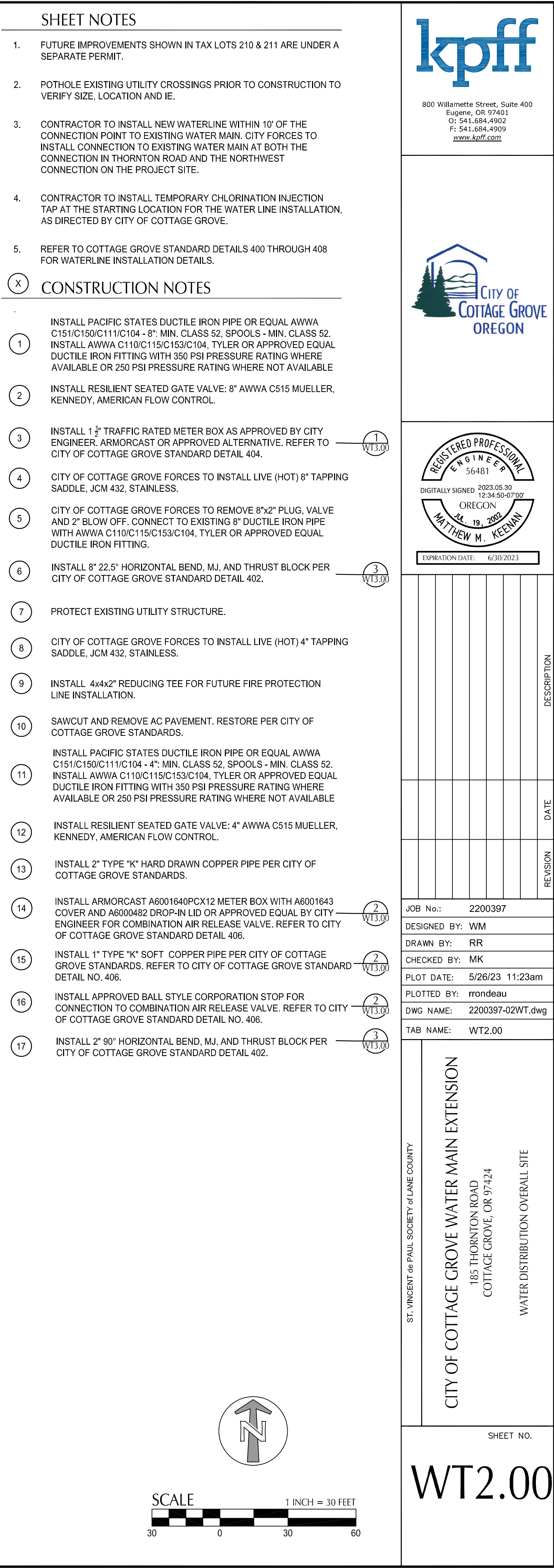
SHEET TITLE	SHEET NAME
WT1.00	COVER SHEET, INDEX OF DRAWINGS, VICINITY AND LOCATION MAP
WT2.00	WATER DISTRIBUTION OVERALL SITE
WT2.01	WATER DISTRIBUTION STA 0+00 TO STA 2+55
WT2.02	WATER DISTRIBUTION STA 2+55 TO STA 5+00
WT3.00	DETAILS

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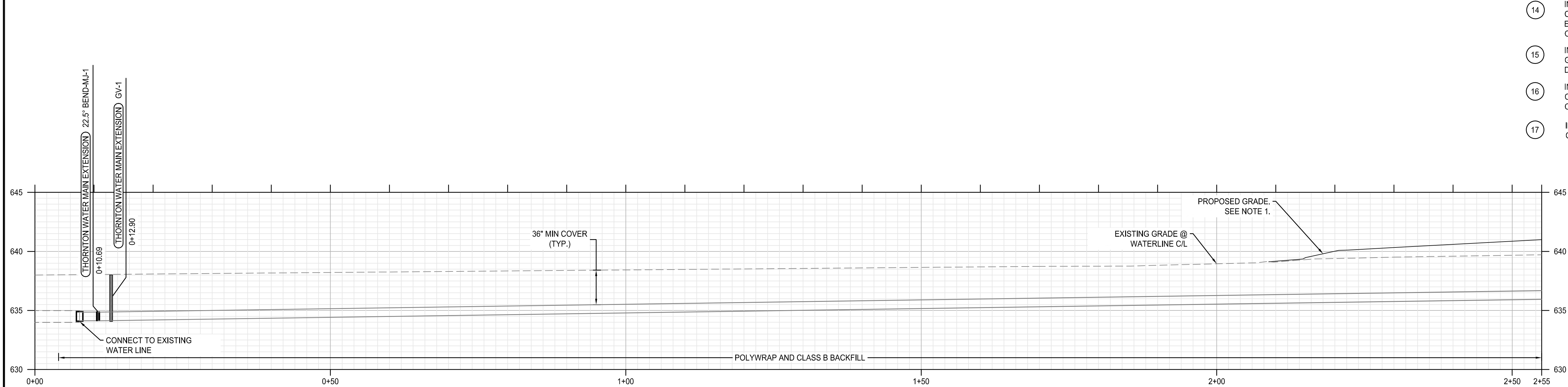
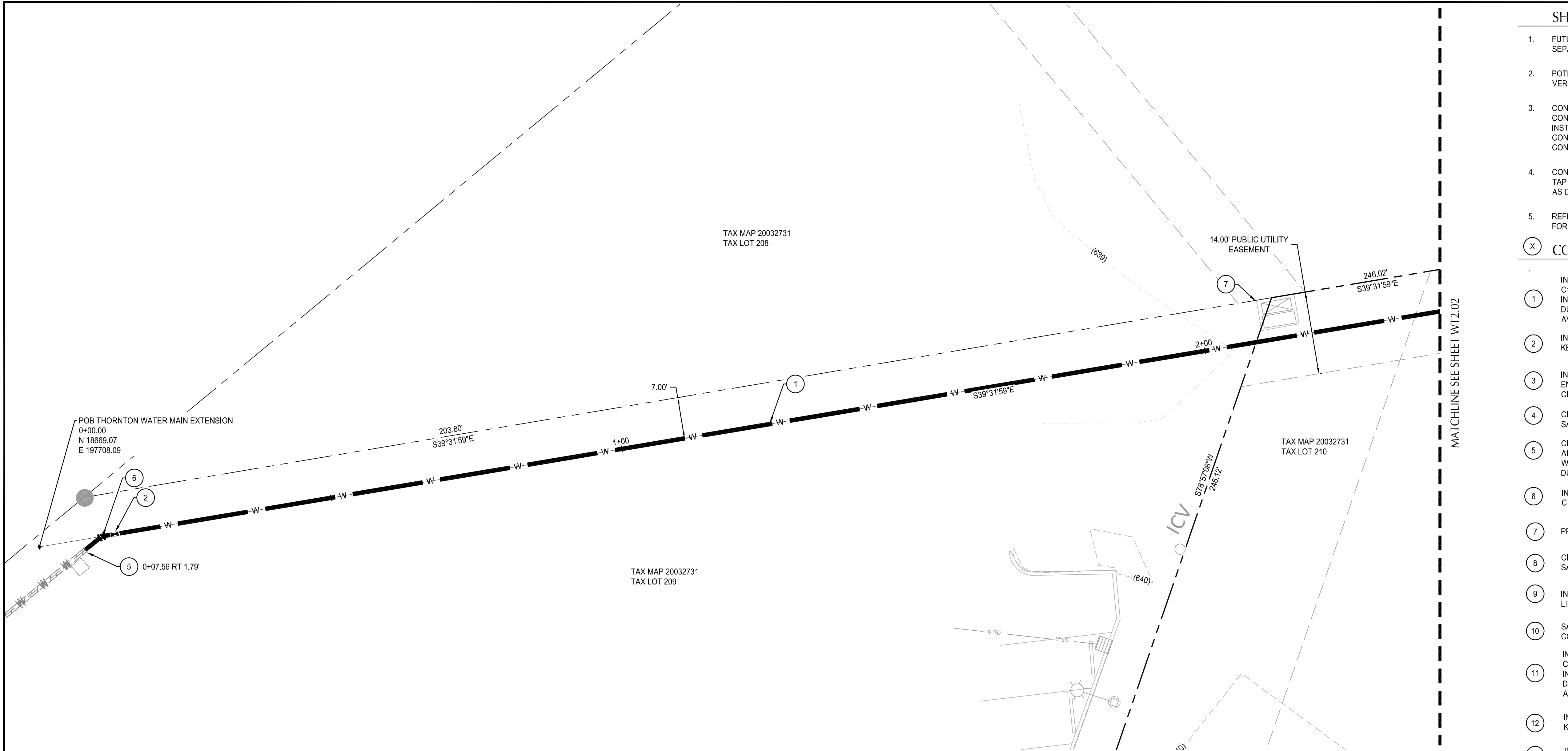
CITY OF COTTAGE GROVE WATER MAIN EXTENSION
185 THORNTON ROAD
COTTAGE GROVE, OR 97424

SHEET NO.

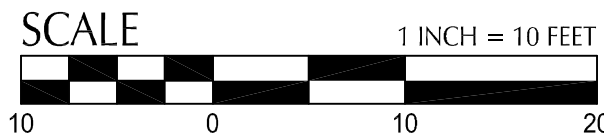
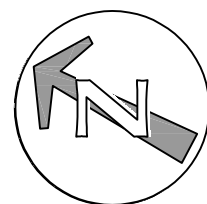
WT1.00



File: O:\epi\2022\200397-S\ODP-CG-Store\CAD\PLT\01\CITY WATER\200397-02\WT.dwg TAB:WT2.01
Plotted: 5/26/23 at 11:25am By: rrondeau



1 THORNTON WATER MAIN EXTENSION PROFILE STA 0+00 TO STA 2+55
SCALE: HORZ: 1" = 10'
VERT: 1" = 5'



SHEET NOTES

1. FUTURE IMPROVEMENTS SHOWN IN TAX LOTS 210 & 211 ARE UNDER A SEPARATE PERMIT.
2. POTHOLE EXISTING UTILITY CROSSINGS PRIOR TO CONSTRUCTION TO VERIFY SIZE, LOCATION AND IE.
3. CONTRACTOR TO INSTALL NEW WATERLINE WITHIN 10' OF THE CONNECTION POINT TO EXISTING WATER MAIN. CITY FORCES TO INSTALL CONNECTION TO EXISTING WATER MAIN AT BOTH THE CONNECTION IN THORNTON ROAD AND THE NORTHWEST CONNECTION ON THE PROJECT SITE.
4. CONTRACTOR TO INSTALL TEMPORARY CHLORINATION INJECTION TAP AT THE STARTING LOCATION FOR THE WATER LINE INSTALLATION, AS DIRECTED BY CITY OF COTTAGE GROVE.
5. REFER TO COTTAGE GROVE STANDARD DETAILS 400 THROUGH 408 FOR WATERLINE INSTALLATION DETAILS.

CONSTRUCTION NOTES

1. INSTALL PACIFIC STATES DUCTILE IRON PIPE OR EQUAL AWWA C151/C150/C111/C104 - 8" MIN. CLASS 52, SPOOLS - MIN. CLASS 52. INSTALL AWWA C110/C115/C153/C104, TYLER OR APPROVED EQUAL DUCTILE IRON FITTING WITH 350 PSI PRESSURE RATING WHERE AVAILABLE OR 250 PSI PRESSURE RATING WHERE NOT AVAILABLE
2. INSTALL RESILIENT SEATED GATE VALVE: 8" AWWA C515 MUELLER, KENNEDY, AMERICAN FLOW CONTROL.
3. INSTALL 1 1/2" TRAFFIC RATED METER BOX AS APPROVED BY CITY ENGINEER. ARMORCAST OR APPROVED ALTERNATIVE. REFER TO CITY OF COTTAGE GROVE STANDARD DETAIL 404.
4. CITY OF COTTAGE GROVE FORCES TO INSTALL LIVE (HOT) 8" TAPPING SADDLE, JCM 432, STAINLESS.
5. CITY OF COTTAGE GROVE FORCES TO REMOVE 8"x2" PLUG, VALVE AND 2" BLOW OFF. CONNECT TO EXISTING 8" DUCTILE IRON PIPE WITH AWWA C110/C115/C153/C104, TYLER OR APPROVED EQUAL DUCTILE IRON FITTING.
6. INSTALL 8" 22.5° HORIZONTAL BEND, MJ. AND THRUST BLOCK PER CITY OF COTTAGE GROVE STANDARD DETAIL 402.
7. PROTECT EXISTING UTILITY STRUCTURE.
8. CITY OF COTTAGE GROVE FORCES TO INSTALL LIVE (HOT) 4" TAPPING SADDLE, JCM 432, STAINLESS.
9. INSTALL 4x4x2" REDUCING TEE FOR FUTURE FIRE PROTECTION LINE INSTALLATION.
10. SAWCUT AND REMOVE AC PAVEMENT. RESTORE PER CITY OF COTTAGE GROVE STANDARDS.
11. INSTALL PACIFIC STATES DUCTILE IRON PIPE OR EQUAL AWWA C151/C150/C111/C104 - 4" MIN. CLASS 52, SPOOLS - MIN. CLASS 52. INSTALL AWWA C110/C115/C153/C104, TYLER OR APPROVED EQUAL DUCTILE IRON FITTING WITH 350 PSI PRESSURE RATING WHERE AVAILABLE OR 250 PSI PRESSURE RATING WHERE NOT AVAILABLE
12. INSTALL RESILIENT SEATED GATE VALVE: 4" AWWA C515 MUELLER, KENNEDY, AMERICAN FLOW CONTROL.
13. INSTALL 2" TYPE "K" HARD DRAWN COPPER PIPE PER CITY OF COTTAGE GROVE STANDARDS.
14. INSTALL ARMORCAST A6001640PCX12 METER BOX WITH A6001643 COVER AND A6000482 DROP-IN LID OR APPROVED EQUAL BY CITY ENGINEER FOR COMBINATION AIR RELEASE VALVE. REFER TO CITY OF COTTAGE GROVE STANDARD DETAIL 406.
15. INSTALL 1" TYPE "K" SOFT COPPER PIPE PER CITY OF COTTAGE GROVE STANDARDS. REFER TO CITY OF COTTAGE GROVE STANDARD DETAIL NO. 406.
16. INSTALL APPROVED BALL STYLE CORPORATION STOP FOR CONNECTION TO COMBINATION AIR RELEASE VALVE. REFER TO CITY OF COTTAGE GROVE STANDARD DETAIL NO. 406.
17. INSTALL 2" 90° HORIZONTAL BEND, MJ. AND THRUST BLOCK PER CITY OF COTTAGE GROVE STANDARD DETAIL 402.



800 Willamette Street, Suite 400
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REVISION	DATE	DESCRIPTION

JOB No.:	2200397
DESIGNED BY:	WM
DRAWN BY:	RR
CHECKED BY:	MK
PLOT DATE:	5/26/23 11:25am
PLOTTED BY:	rrondeau
DWG NAME:	2200397-02\WT.dwg
TAB NAME:	WT2.01

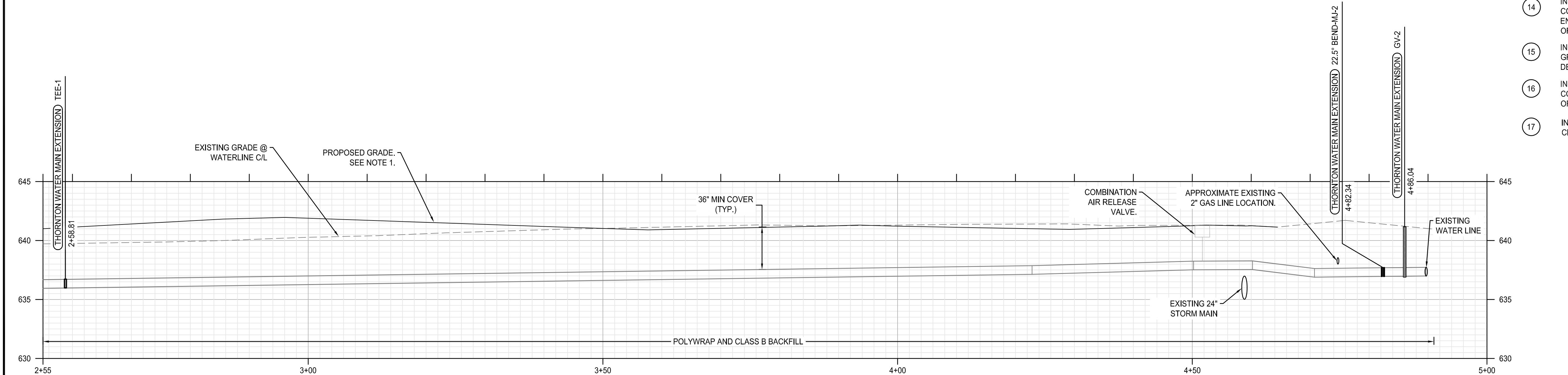
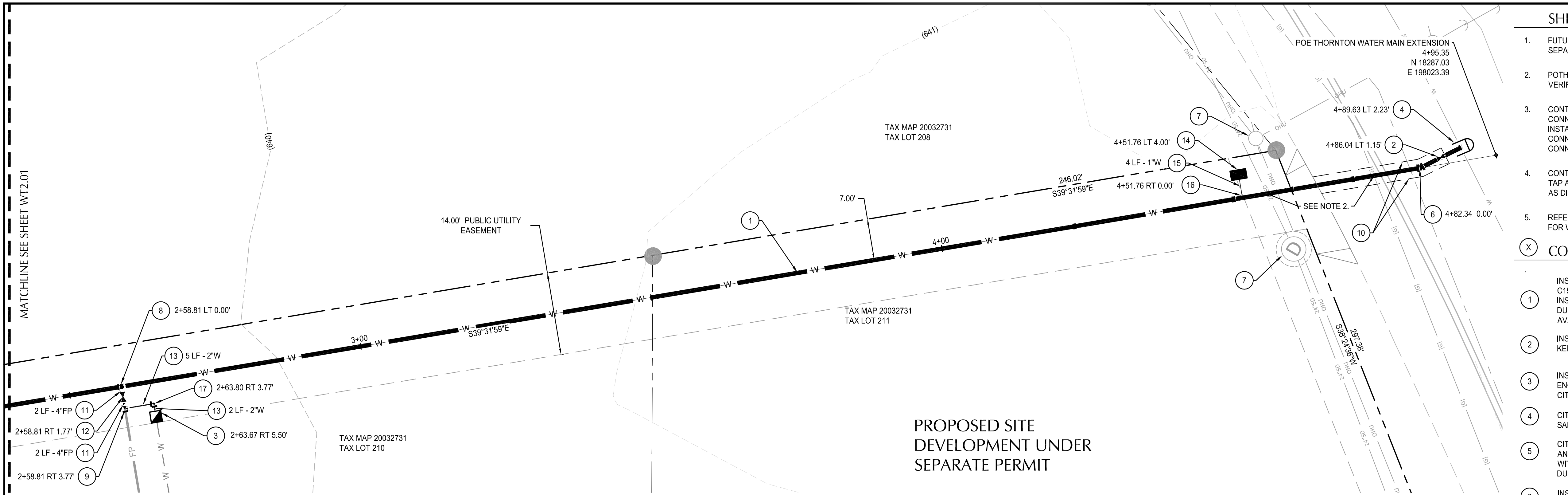
CITY OF COTTAGE GROVE WATER MAIN EXTENSION
105 THORNTON ROAD
COTTAGE GROVE, OR 97424
WATER DISTRIBUTION STA 0+00 TO STA 2+55

ST. VINCENT & PAUL SOCIETY of LANE COUNTY

SHEET NO.

WT2.01

File: O:\epi\2022\200397-S\DDP-CG-Store\CAD\PLT\CITY WATER\200397-02WT.dwg 7AB\WT2.02
Plotted: 5/26/23 at 11:28am By: rrondeau



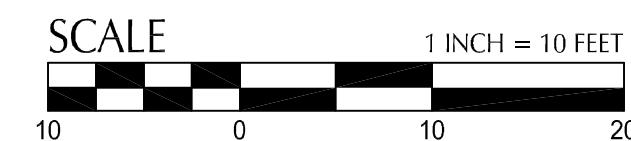
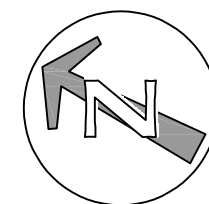
1 THORNTON WATER MAIN EXTENSION PROFILE STA 2+55 TO 5+00
SCALE: HORIZ: 1" = 10'
VERT: 1" = 5'

SHEET NOTES

1. FUTURE IMPROVEMENTS SHOWN IN TAX LOTS 210 & 211 ARE UNDER A SEPARATE PERMIT.
2. POT HOLE EXISTING UTILITY CROSSINGS PRIOR TO CONSTRUCTION TO VERIFY SIZE, LOCATION AND IE.
3. CONTRACTOR TO INSTALL NEW WATERLINE WITHIN 10' OF THE CONNECTION POINT TO EXISTING WATER MAIN. CITY FORCES TO INSTALL CONNECTION TO EXISTING WATER MAIN AT BOTH THE CONNECTION IN THORNTON ROAD AND THE NORTHWEST CONNECTION ON THE PROJECT SITE.
4. CONTRACTOR TO INSTALL TEMPORARY CHLORINATION INJECTION TAP AT THE STARTING LOCATION FOR THE WATER LINE INSTALLATION, AS DIRECTED BY CITY OF COTTAGE GROVE.
5. REFER TO COTTAGE GROVE STANDARD DETAILS 400 THROUGH 408 FOR WATERLINE INSTALLATION DETAILS.

CONSTRUCTION NOTES

1. INSTALL PACIFIC STATES DUCTILE IRON PIPE OR EQUAL AWWA C151/C150/C111/C104 - 8": MIN. CLASS 52, SPOOLS - MIN. CLASS 52. INSTALL AWWA C110/C115/C153/C104, TYLER OR APPROVED EQUAL DUCTILE IRON FITTING WITH 350 PSI PRESSURE RATING WHERE AVAILABLE OR 250 PSI PRESSURE RATING WHERE NOT AVAILABLE
2. INSTALL RESILIENT SEATED GATE VALVE: 8" AWWA C515 MUELLER, KENNEDY, AMERICAN FLOW CONTROL.
3. INSTALL 1 1/2" TRAFFIC RATED METER BOX AS APPROVED BY CITY ENGINEER. ARMORCAST OR APPROVED ALTERNATIVE. REFER TO CITY OF COTTAGE GROVE STANDARD DETAIL 404.
4. CITY OF COTTAGE GROVE FORCES TO INSTALL LIVE (HOT) 8" TAPPING SADDLE, JCM 432, STAINLESS.
5. CITY OF COTTAGE GROVE FORCES TO REMOVE 8"x2" PLUG, VALVE AND 2" BLOW OFF. CONNECT TO EXISTING 8" DUCTILE IRON PIPE WITH AWWA C110/C115/C153/C104, TYLER OR APPROVED EQUAL DUCTILE IRON FITTING.
6. INSTALL 8" 22.5" HORIZONTAL BEND, MJ, AND THRUST BLOCK PER CITY OF COTTAGE GROVE STANDARD DETAIL 402.
7. PROTECT EXISTING UTILITY STRUCTURE.
8. CITY OF COTTAGE GROVE FORCES TO INSTALL LIVE (HOT) 4" TAPPING SADDLE, JCM 432, STAINLESS.
9. INSTALL 4x4x2" REDUCING TEE FOR FUTURE FIRE PROTECTION LINE INSTALLATION.
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