

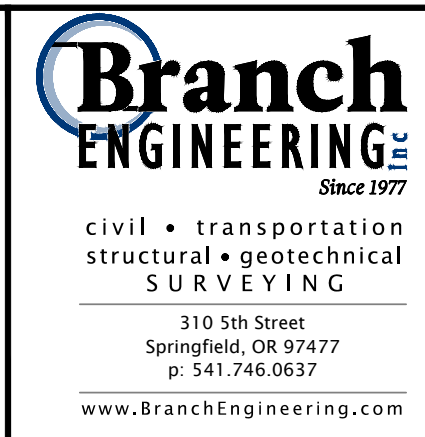
GENERAL CONSTRUCTION NOTES

- ALL MATERIALS AND WORKMANSHIP 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 WORKMANSHIP 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.
- ALL WORK SHALL MEET THE FOLLOWING SPECIFICATIONS "2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE "2024 OREGON STANDARD DRAWINGS" AND THE SPECIALS SET FORTH IN THE PROJECT MANUAL FOR THIS PROJECT.
- CONTRACTOR SHALL PROCURE, AND CONFORM TO ALL CONSTRUCTION PERMITS REQUIRED BY THE CITY OF COTTAGE GROVE.
- 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).
- 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.
- 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.
- ALL MATERIALS AND WORKMANSHIP FOR FACILITIES IN STREET RIGHT-OF-WAY OR EASEMENTS SHALL CONFORM TO APPROVING 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).
- 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 FRIDAY.
- THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE AGENCY REQUIREMENTS AND PROVIDE A COMPLETED PROJECT.
- 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.
- 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.
- 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.
- 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.
- 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 0.04 FEET HORIZONTALLY AND 0.02 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.
- 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.
- 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 INSPECTION(S) AND APPROVAL(S) SHALL RESULT IN THE CONTRACTOR BEING FULLY RESPONSIBLE FOR ALL PROBLEMS ARISING FROM UNINSPECTED WORK.
- UNLESS OTHERWISE SPECIFIED, THE ATTACHED "REQUIRED TESTING AND FREQUENCY" TABLE 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL SEED AND MULCH (UNIFORMLY BY HAND OR HYDROSEED) EXPOSED SLOPES AND DISTURBED AREAS WHICH ARE NOT SCHEDULED TO BE LANDSCAPED, 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 SEEDED AREAS FAIL TO GERMINATE, THE OWNER REPRESENTATIVE MAY (AT HIS DISCRETION) REQUIRE THE CONTRACTOR TO INSTALL SOD TO COVER SUCH DISTURBED AREAS.
- ALL TAPPING OF EXISTING MUNICIPAL SANITARY SEWER, STORM DRAIN MAINS, AND MANHOLES MUST BE DONE BY CONTRACTOR FORCES.
- 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.
- ALL PIPES SHALL BE BEDDED WITH MINIMUM 6-INCHES OF 1"-0 CRUSHED ROCK BEDDING AND BACKFILLED WITH COMPACTED 1"-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.

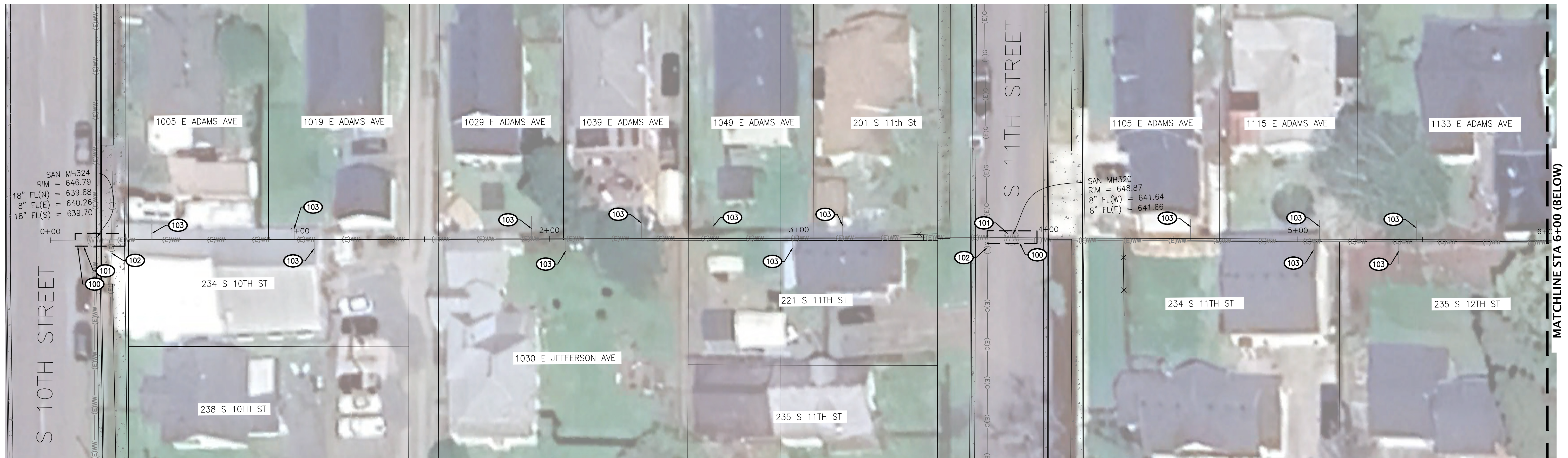
- GRANULAR TRENCH BEDDING AND BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF OSSC (ODOT/APWA) 02630.10 (DENSE GRADED BASE AGGREGATE), 3/4"-0. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, COMPACT GRANULAR BACKFILL TO 95% IN ROADWAYS AND 92% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR) OUTSIDE OF ROADWAYS.
- 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.
- THE END OF ALL UTILITY SERVICE LINES SHALL BE MARKED WITH A 2-X-4 PAINTED WHITE AND WIRED TO PIPE STUB. THE PIPE DEPTH SHALL BE WRITTEN ON THE POST IN 2" BLOCK LETTERS.
- 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 STEPS. THE TRACER WIRE SHALL BE TIED TO THE TOP MANHOLE STEP OR OTHERWISE SUPPORTED TO ALLOW RETRIEVAL FROM THE OUTSIDE OF THE MANHOLE.
- NO TRENCHES IN SIDEWALKS, ROADS, DRIVEWAYS, OR BACKYARDS 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.
- CITY FORCES TO OPERATE ALL VALVES, INCLUDING FIRE HYDRANTS, ON EXISTING PUBLIC MAINS.
- ALL SANITARY SEWER MAINS SHALL BE D3034 SDR35 PVC, OR OTHER APPROVED. ALL FITTINGS 4-INCHES THROUGH 24-INCHES IN DIAMETER SHALL BE PER MANUFACTURERS RECOMMENDATIONS IN CONFORMANCE WITH ODOT STANDARD SPECIFICATIONS SECTION 00445.43.
- THRUST 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.
- CONTRACTOR SHALL REIMBURSE CITY FOR COSTS REQUIRED TO FLUSH, TEST AND DISINFECT WATERLINES PER PUBLIC AGENCY REQUIREMENTS.
- 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.
- CONTRACTOR TO PROVIDE TESTING OF SANITARY SEWER PIPE AND APPURTENANCES FOR LEAKAGE IN ACCORDANCE WITH TESTING SCHEDULE HEREIN OR THE CITY'S CONSTRUCTION STANDARDS, WHICHEVER ARE MORE STRINGENT. SANITARY SEWER PIPE AND APPURTENANCES SHALL BE TESTED FOR LEAKAGE.
- CONTRACTOR SHALL NOTIFY AND COORDINATE WITH FRANCHISE UTILITIES FOR REMOVAL OR RELOCATION OF POWER POLES, VAULTS, PEDESTALS, MANHOLES, ETC. TO AVOID CONFLICT WITH CITY UTILITY STRUCTURES, FIRE HYDRANTS, METERS, SEWER OR STORM LATERALS, ETC.
- 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.
- WHEN CONSTRUCTION ACTIVITIES BLOCK OR INTERFERE WITH THE NORMAL PEDESTRIAN ROUTING, PROVIDE SAFE PASSAGE FOR PEDESTRIANS THOUGH 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.

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 AS 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.			



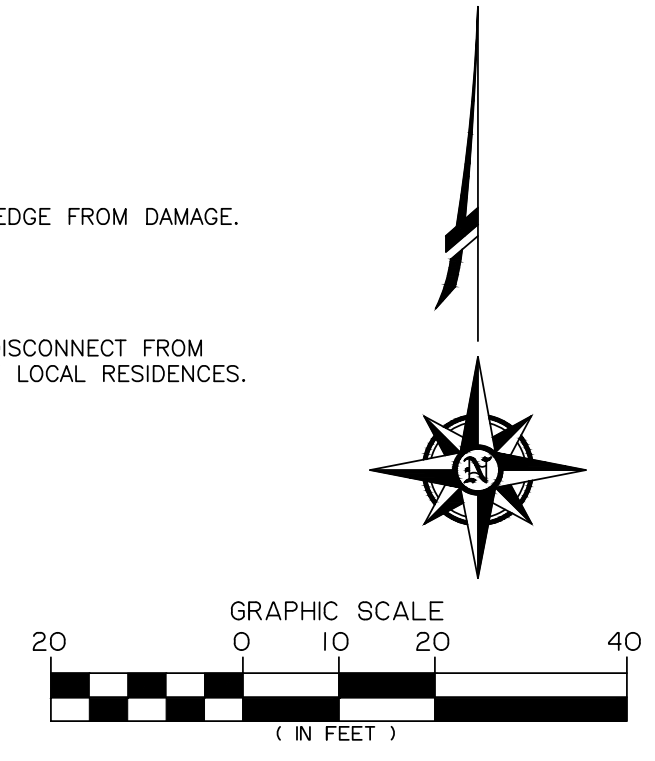
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CITY OF COTTAGE GROVE SANITARY SEWER IMPROVEMENTS		
GENERAL CONSTRUCTION NOTES		Sheet No. C0.1
DRAWN BY: ST	CHECKED BY: JL	DATE: 6/13/2024
JOB No.		23-001H



CONSTRUCTION NOTES

- 100 - PROPOSED BORE PIT LOCATION.
- 101 - SAWCUT EXISTING AC PAVEMENT AND CONCRETE. PROTECT SAWCUT EDGE FROM DAMAGE.
- 102 - PROTECT EXISTING UTILITIES.
- 103 - CONTRACTOR TO POTHOLE AND LOCATE SANITARY SEWER LATERAL. DISCONNECT FROM MAIN, BYPASS PLAN REQUIRED TO KEEP SERVICE RUNNING FOR THE LOCAL RESIDENCES.



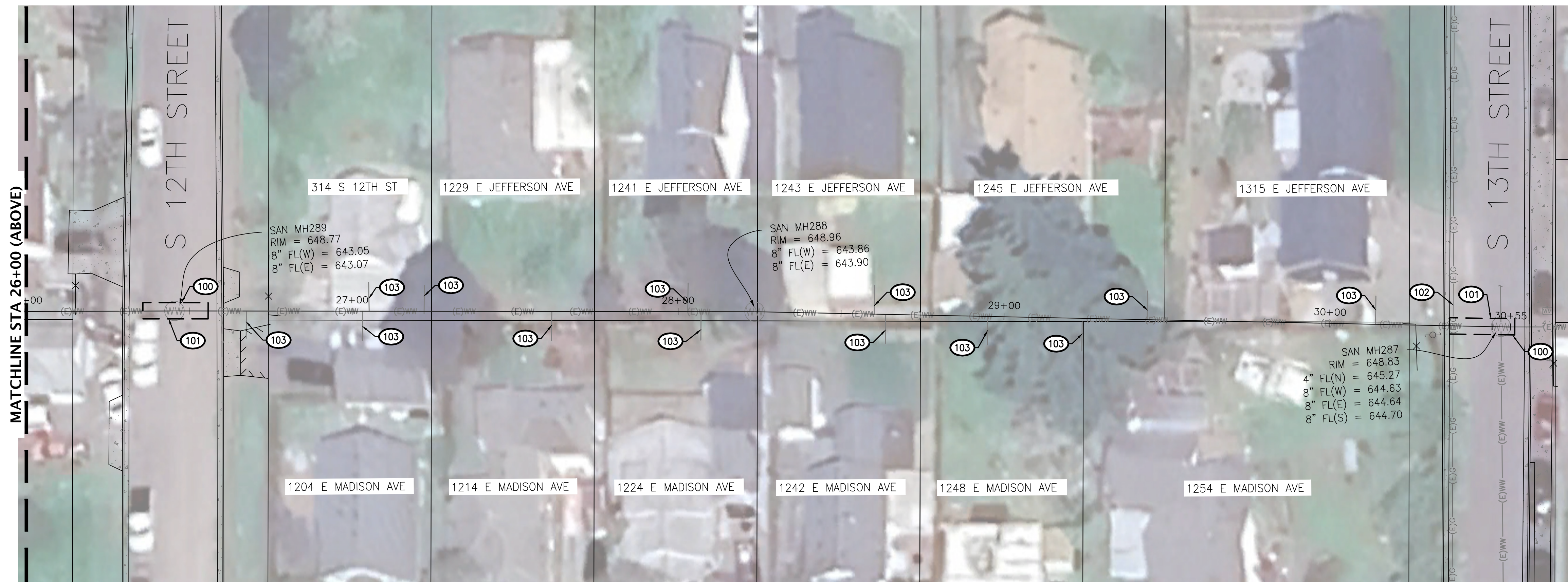
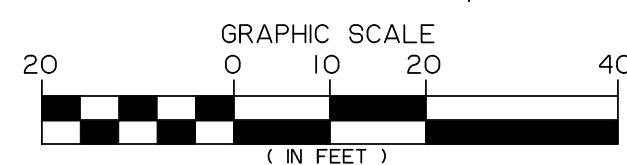
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CITY OF COTTAGE GROVE SANITARY SEWER IMPROVEMENTS		
EXISTING COND. & DEMO BETWEEN E ADAMS AND E JEFFERSON		Sheet No. C1.0
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JOB No.		23-001H



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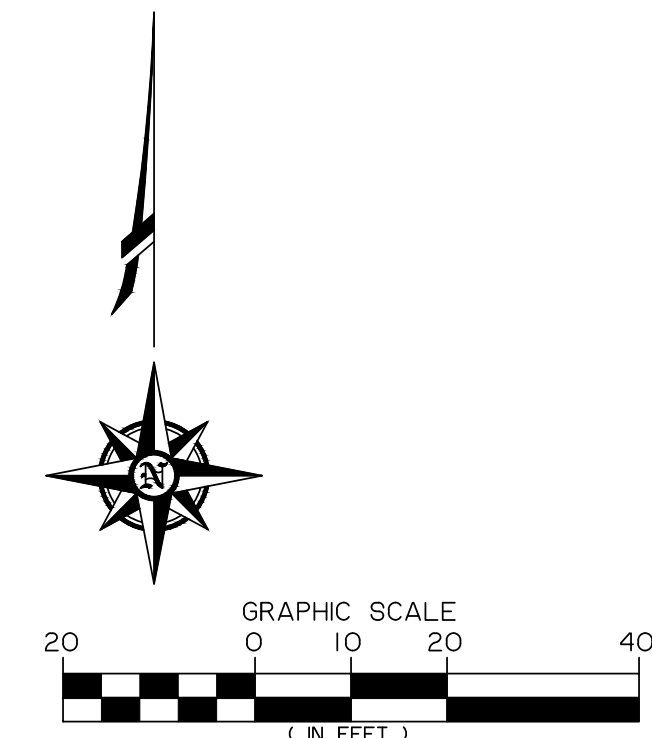
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**CITY OF COTTAGE GROVE
SANITARY SEWER IMPROVEMENTS**

EXISTING COND. & DEMO
BETWEEN E JEFFERSON AND E MADISON

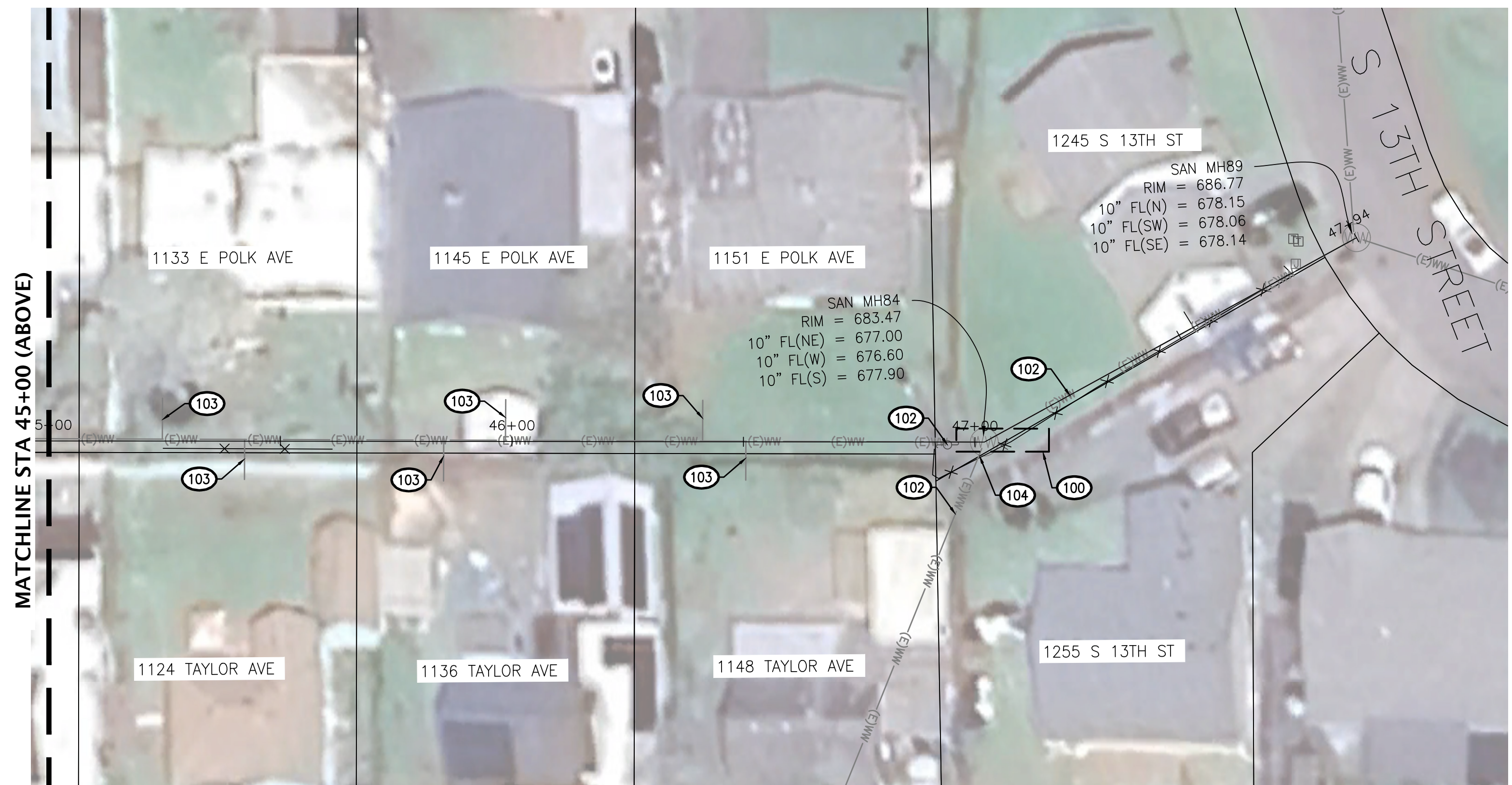
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- 102 - PROTECT EXISTING UTILITIES.
- 103 - CONTRACTOR TO POTHOLE AND LOCATE SANITARY SEWER LATERAL, DISCONNECT FROM MAIN, BYPASS PLAN REQUIRED TO KEEP SERVICE RUNNING FOR THE LOCAL RESIDENCES.
- 104 - REMOVE EXISTING FENCE. REINSTALL AFTER COMPLETION OF THE PROJECT.



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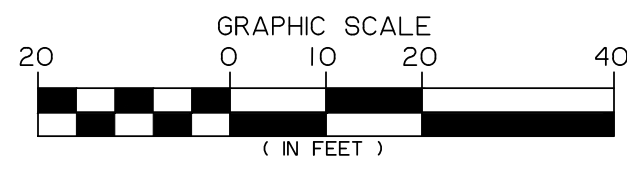
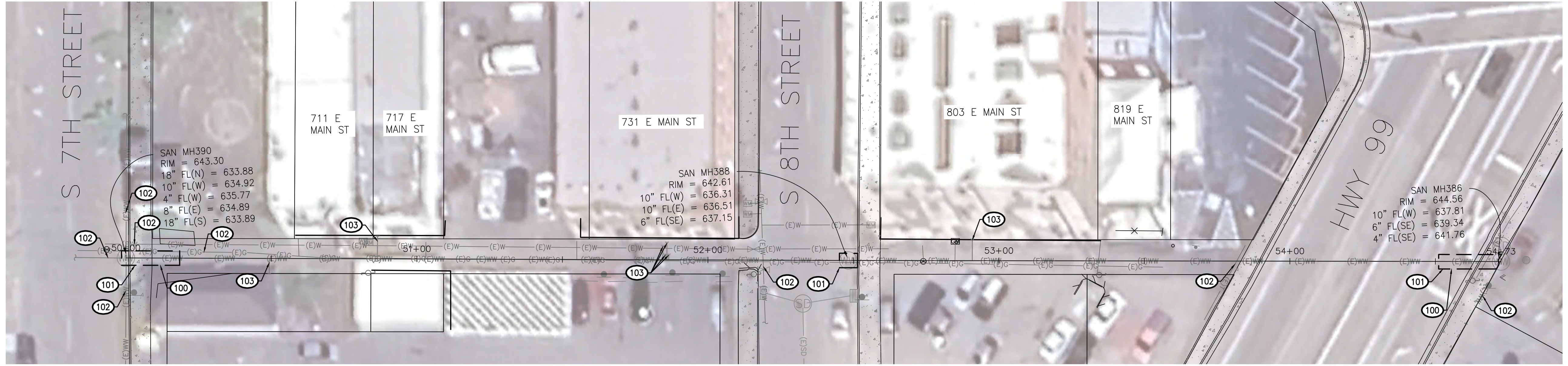
**CITY OF COTTAGE GROVE
 SANITARY SEWER IMPROVEMENTS**

EXISTING COND. & DEMO
 BETWEEN E POLK AND TAYLOR

Sheet No.
C1.2

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JOB No. 23-001H



CONSTRUCTION NOTES

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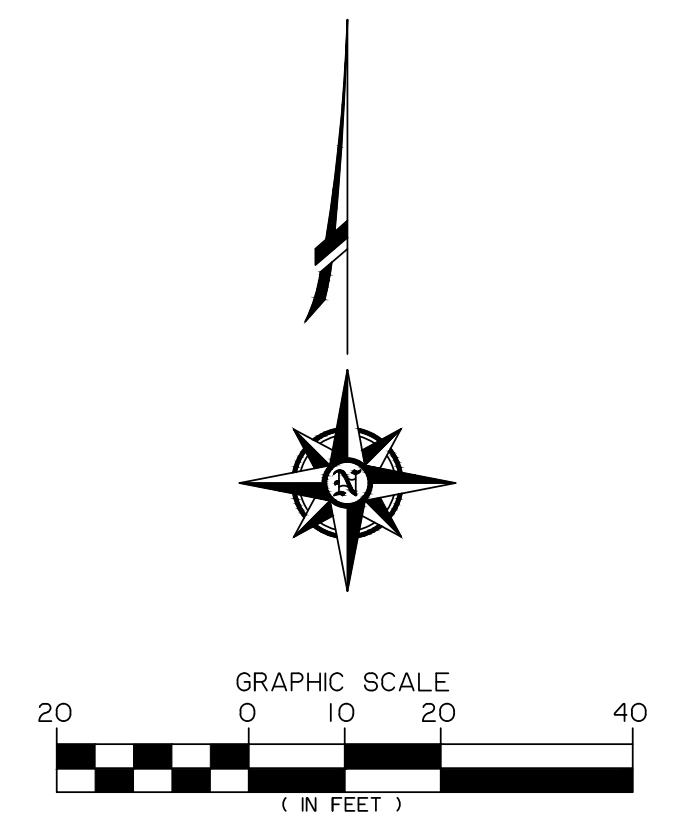


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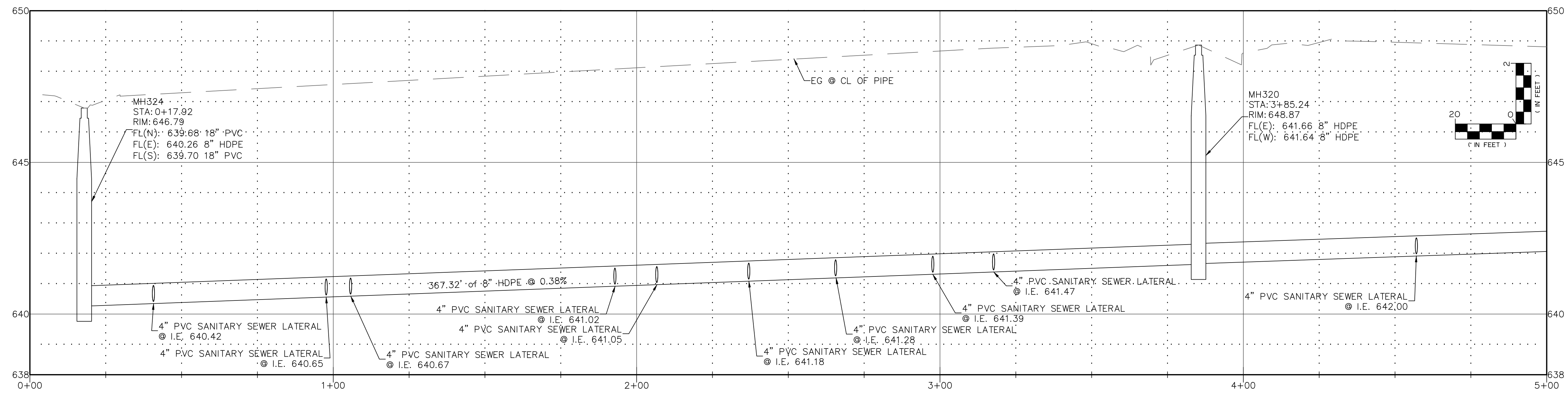
CITY OF COTTAGE GROVE SANITARY SEWER IMPROVEMENTS		
EXISTING COND. & DEMO BETWEEN E MAIN AND E WASHINGTON		Sheet No. C1.3
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- CONSTRUCTION NOTES**
- 300-PIPE BURST EXISTING 8-INCH CONCRETE SANITARY SEWER WITH 8-INCH FUSED HDPE SDR 11 SANITARY SEWER PIPE.
 - 301-CONSTRUCT SANITARY SEWER CLEANOUT PER CITY STD DWG 304, SHEET C3.0. RECONNECT LATERAL TO NEW SANITARY MAIN USING APPROPRIATE COUPLINGS.
 - 302-ENLARGE MANHOLE OPENINGS AS NEEDED. CONNECT NEW PIPE TO EXISTING MANHOLE. CONTRACTOR TO GROUT OPENINGS AFTER FINAL CONNECTIONS ARE MADE PER ODOT STD DWG RD345, SHEET C3.0.
 - 600-CONSTRUCT TRENCH RESURFACING PER CITY STD DWG 602, ODOT STD DWG RD302 AND AC PAVEMENT REPAIR DETAIL 1, SHEET C3.2.
 - 601-CONSTRUCT CONCRETE CURB AND GUTTER PER CITY STD DWG 213, SHEET C3.1. DRILL 3/8" X 4 1/2" HOLES INTO EXISTING GUTTER BAR AND CURB. FILL HOLES WITH EPOXY AND INSERT 8" LONG #5 REBAR INTO HOLE PRIOR TO POURING NEW CURB & GUTTER.
 - 602-CONSTRUCT 4" SIDEWALK REPAIR PER CITY STD DWG 214, SHEET C3.1.



WW Profile: Between E Adams & E Jefferson – Between S 10th & S 13th



- GENERAL NOTES:**
- AT THE END OF EVERY DAY THE CONTRACTOR MUST SECURE EACH SITE WHERE THERE ARE OPEN TRENCHES OUTSIDE OF WORK HOURS AND MUST BE PROTECTED USING FENCING IN ALL BACKYARDS AND STREETS.
 - PIPE STAGING AND FUSING AREA IS TO BE APPROVED BY THE ENGINEER AND CITY PRIOR TO START OF CONSTRUCTION TO LIMIT DISRUPTIONS TO ROADWAYS AND ACCESS TO DRIVEWAYS.

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 ENGINEER
 #62780PE
 DIGITALLY SIGNED
 OREGON
 JULY 13, 2004
 DAMIEN GILBERT
 Expires: June 30, 2025

CITY OF COTTAGE GROVE ENGINEERING
 400 Main Street Cottage Grove, OR 97424

REVISIONS:

No.	DESCRIPTION	DATE

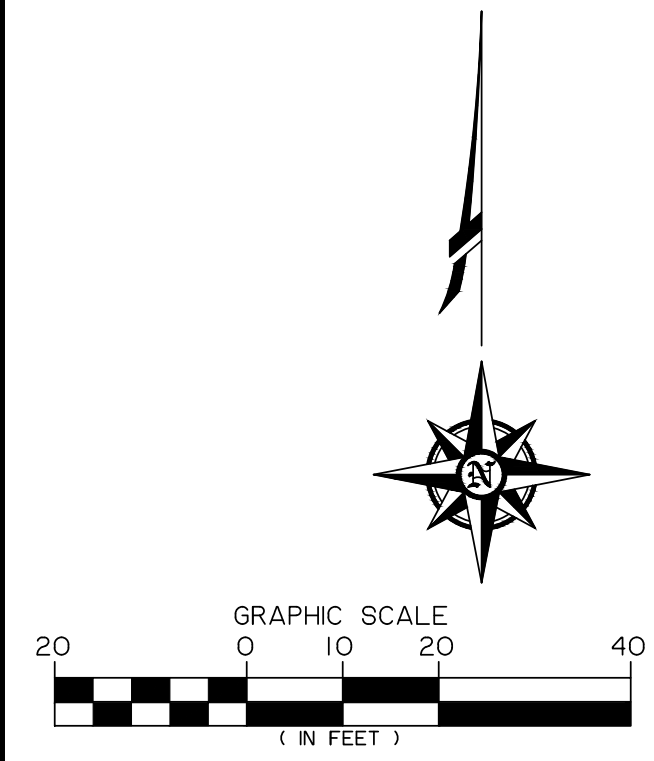
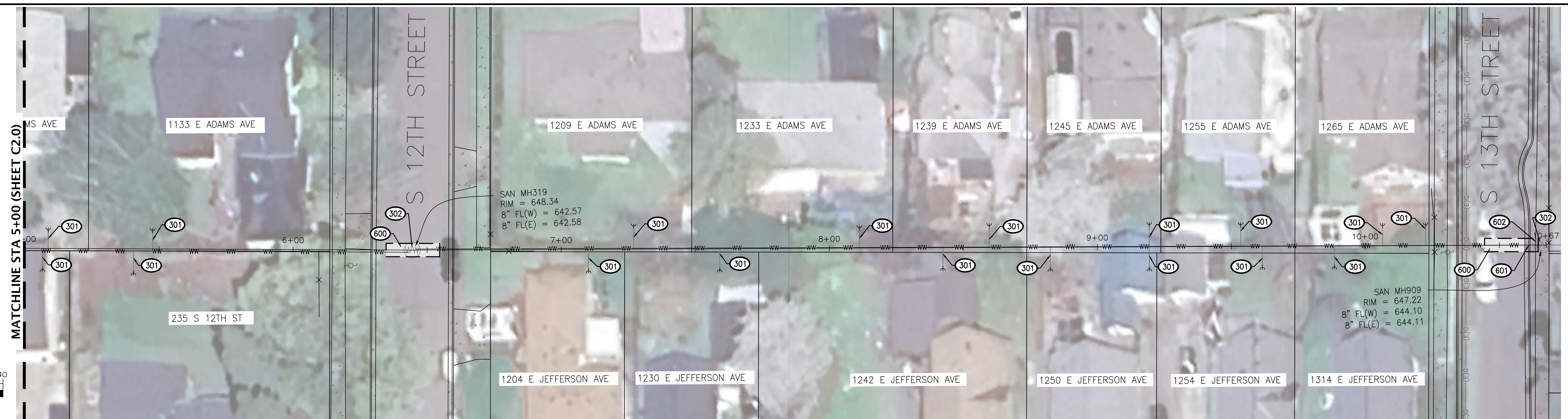
**CITY OF COTTAGE GROVE
 SANITARY SEWER IMPROVEMENTS**

PROPOSED IMPROVEMENTS
 BETWEEN E ADAMS AND E JEFFERSON
 STA 0+00 TO 5+00

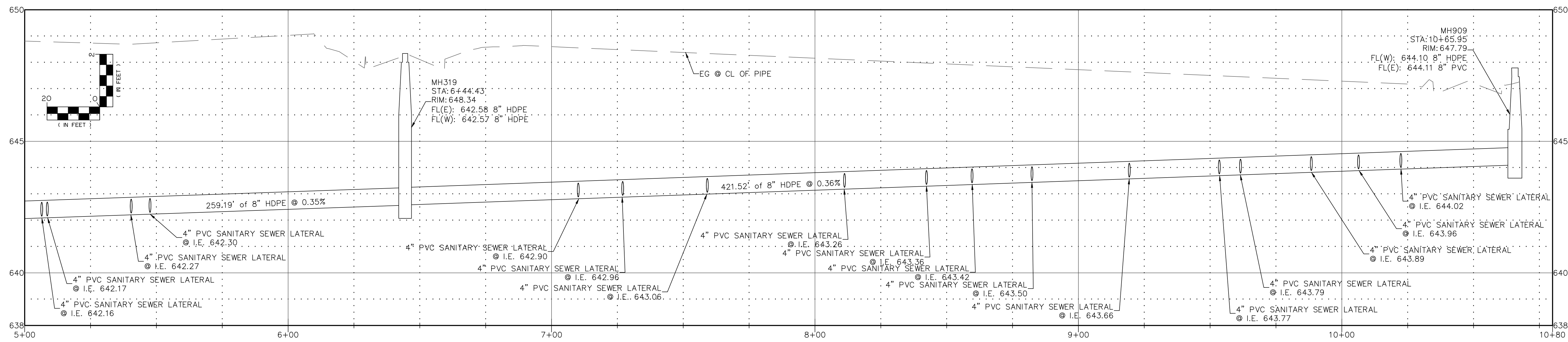
Sheet No. **C2.0**

DRAWN BY: ST CHECKED BY: JL DATE: 6/13/2024

JOB No. 23-001H



WW Profile: Between E Adams & E Jefferson – Between S 10th & S 13th



CONSTRUCTION NOTES

- 300—PIPE BURST EXISTING 8-INCH CONCRETE SANITARY SEWER WITH 8-INCH FUSED HDPE SDR 11 SANITARY SEWER PIPE.
- 301—CONSTRUCT SANITARY SEWER CLEANOUT PER CITY STD DWG 304, SHEET C3.0. RECONNECT LATERAL TO NEW SANITARY MAIN USING APPROPRIATE COUPLINGS.
- 302—ENLARGE MANHOLE OPENINGS AS NEEDED. CONNECT NEW PIPE TO EXISTING MANHOLE. CONTRACTOR TO GROUT OPENINGS AFTER FINAL CONNECTIONS ARE MADE PER ODOT STD DWG RD345, SHEET C3.0.
- 600—CONSTRUCT TRENCH RESURFACING PER CITY STD DWG 602, ODOT STD DWG RD302 AND AC PAVEMENT REPAIR DETAIL 1, SHEET C3.2.
- 601—CONSTRUCT CONCRETE CURB AND GUTTER PER CITY STD DWG 213, SHEET C3.1. DRILL 3/4" X 4 1/2" HOLES INTO EXISTING GUTTER BAR AND CURB. FILL HOLES WITH EPOXY AND INSERT 8" LONG #5 REBAR INTO HOLE PRIOR TO POURING NEW CURB & GUTTER.
- 602—CONSTRUCT 4" SIDEWALK REPAIR PER CITY STD DWG 214, SHEET C3.1.

GENERAL NOTES:

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 Expires: June 30, 2025

CITY OF COTTAGE GROVE ENGINEERING
 400 Main Street Cottage Grove, OR 97424

REVISIONS:		
No.	DESCRIPTION	DATE

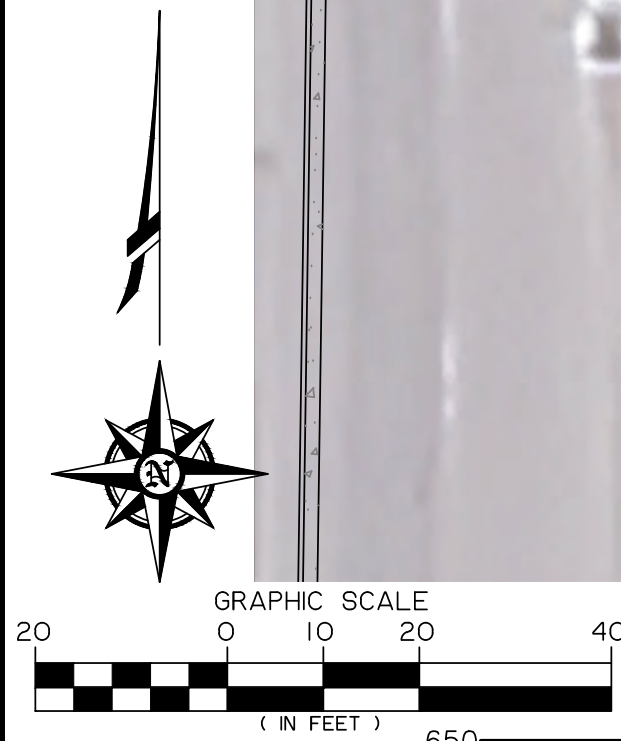
**CITY OF COTTAGE GROVE
 SANITARY SEWER IMPROVEMENTS**

PROPOSED IMPROVEMENTS
 BETWEEN E ADAMS AND E JEFFERSON
 STA 5+00 TO 10+80

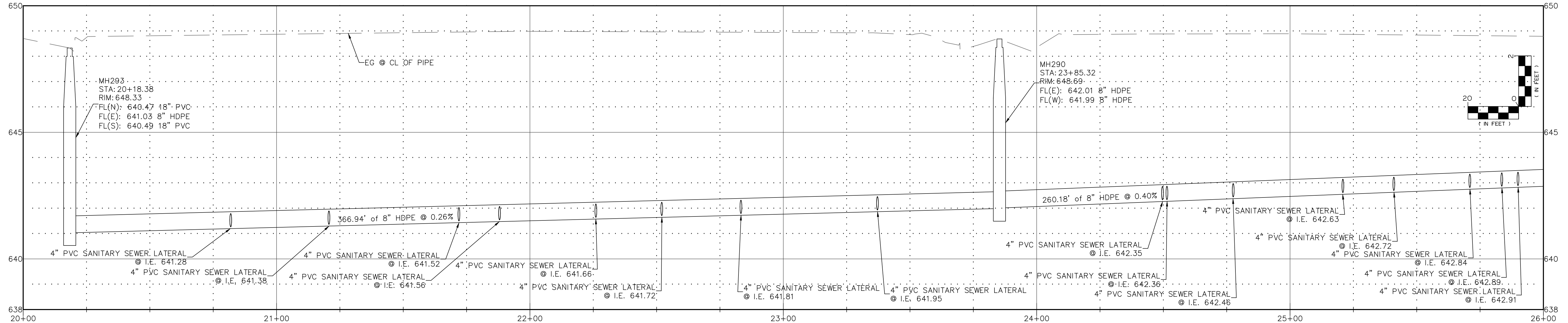
Sheet No. **C2.1**

DRAWN BY: ST CHECKED BY: JL DATE: 6/13/2024

JOB No. 23-001H



WW Profile: Between E Jefferson & E Madison – Between S 10th & S 13th



CONSTRUCTION NOTES

- 300 - PIPE BURST EXISTING 8-INCH CONCRETE SANITARY SEWER WITH 8-INCH FUSED HDPE SDR 11 SANITARY SEWER PIPE.
- 301 - CONSTRUCT SANITARY SEWER CLEANOUT PER CITY STD DWG 304, SHEET C3.0. RECONNECT LATERAL TO NEW SANITARY MAIN USING APPROPRIATE COUPLINGS.
- 302 - ENLARGE MANHOLE OPENINGS AS NEEDED. CONNECT NEW PIPE TO EXISTING MANHOLE. CONTRACTOR TO GROUT OPENINGS AFTER FINAL CONNECTIONS ARE MADE PER ODOT STD DWG RD345, SHEET C3.0.
- 600 - CONSTRUCT TRENCH RESURFACING PER CITY STD DWG 602, ODOT STD DWG RD302 AND AC PAVEMENT REPAIR DETAIL 1, SHEET C3.2.
- 601 - CONSTRUCT CONCRETE CURB AND GUTTER PER CITY STD DWG 213, SHEET C3.1. DRILL 3/8" X 4 1/2" HOLES INTO EXISTING GUTTER BAR AND CURB. FILL HOLES WITH EPOXY AND INSERT 8" LONG #5 REBAR INTO HOLE PRIOR TO POURING NEW CURB & GUTTER.

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CITY OF COTTAGE GROVE ENGINEERING
 400 Main Street Cottage Grove, OR 97424

REVISIONS:		
No.	DESCRIPTION	DATE

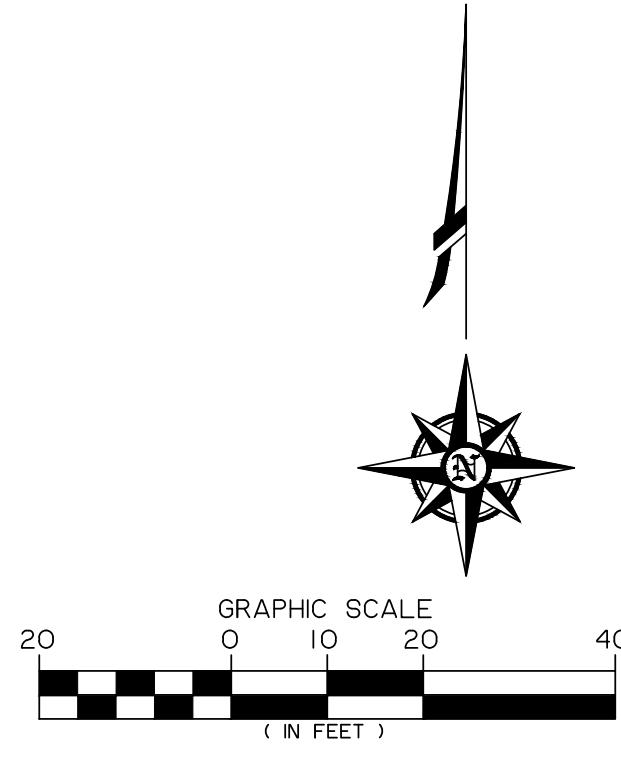
**CITY OF COTTAGE GROVE
 SANITARY SEWER IMPROVEMENTS**

PROPOSED IMPROVEMENTS
 BETWEEN E JEFFERSON AND E MADISON
 STA 20+00 TO 26+00

Sheet No. **C2.2**

DRAWN BY: ST CHECKED BY: JL DATE: 6/13/2024

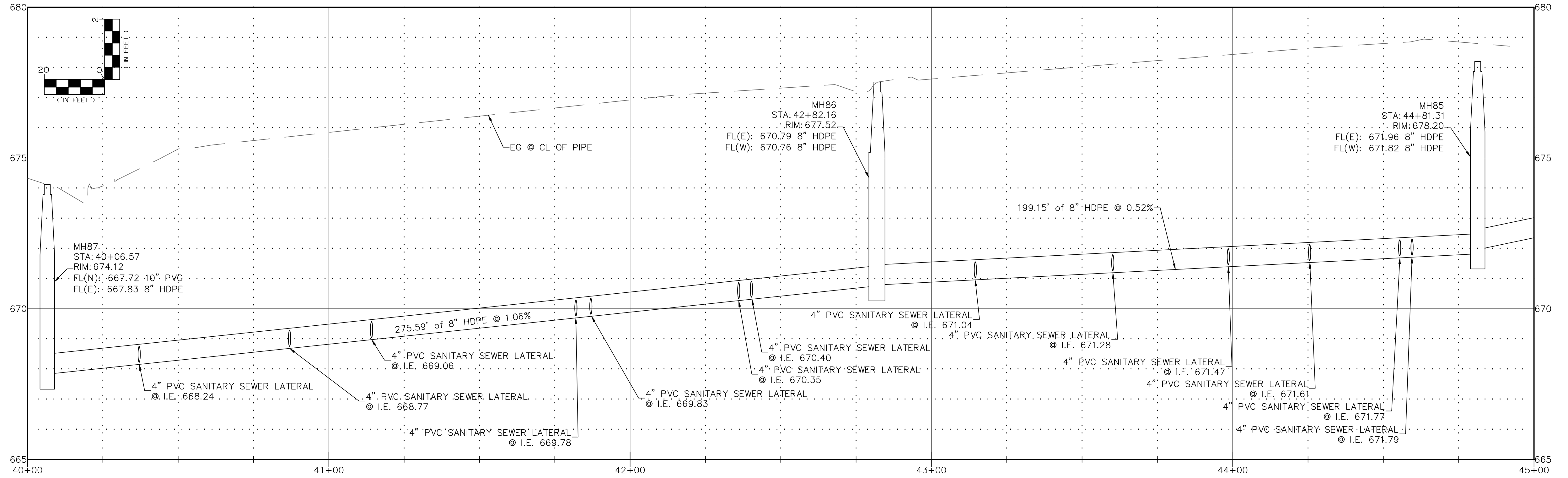
JOB No. 23-001H



CONSTRUCTION NOTES

- 300—PIPE BURST EXISTING 8-INCH CONCRETE SANITARY SEWER WITH 8-INCH FUSED HDPE SDR 11 SANITARY SEWER PIPE.
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- 302—ENLARGE MANHOLE OPENINGS AS NEEDED. CONNECT NEW PIPE TO EXISTING MANHOLE. CONTRACTOR TO GROUT OPENINGS AFTER FINAL CONNECTIONS ARE MADE PER ODOT STD DWG RD343, SHEET C3.0.
- 600—CONSTRUCT TRENCH RESURFACING PER CITY STD DWG 602, ODOT STD DWG RD302 AND AC PAVEMENT REPAIR DETAIL 1, SHEET C3.2.
- 601—CONSTRUCT CONCRETE CURB AND GUTTER PER CITY STD DWG 213, SHEET C3.1. DRILL 3/4" X 4 1/2" HOLES INTO EXISTING GUTTER BAR AND CURB. FILL HOLES WITH EPOXY AND INSERT 8" LONG #5 REBAR INTO HOLE PRIOR TO POURING NEW CURB & GUTTER.
- 602—CONSTRUCT 4" SIDEWALK REPAIR PER CITY STD DWG 214, SHEET C3.1.

WW Profile: Between E Polk & Taylor – Between S 10th & S 13th



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REVISIONS:

No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE
SANITARY SEWER IMPROVEMENTS

PROPOSED IMPROVEMENTS
BETWEEN E POLK AND TAYLOR
STA 40+00 TO 45+00

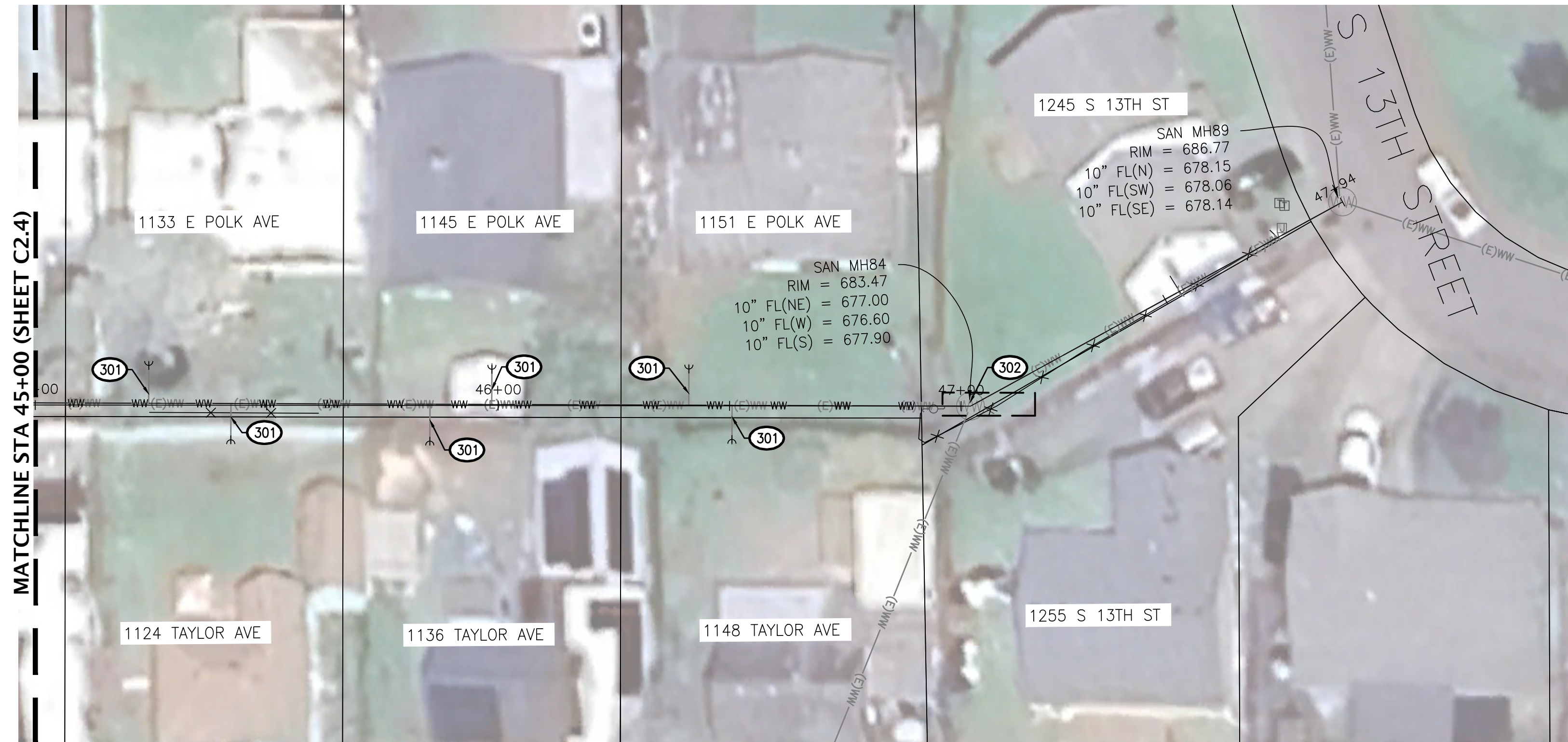
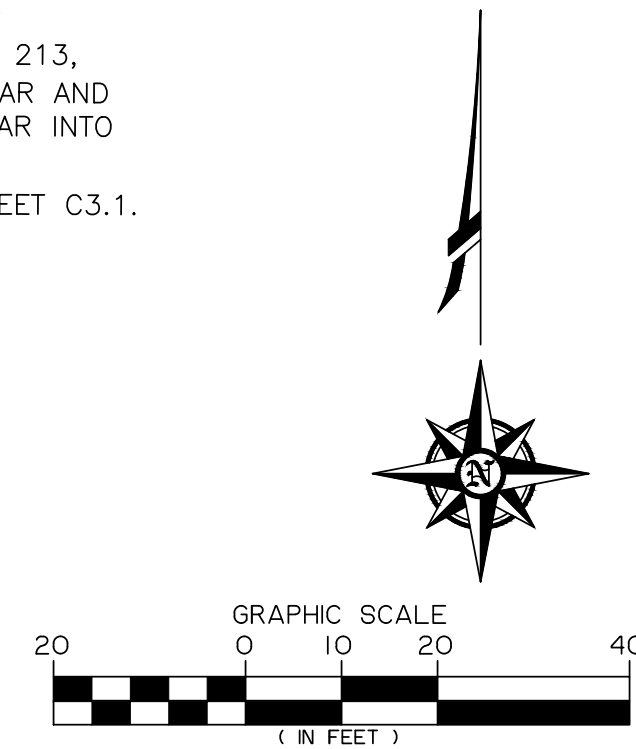
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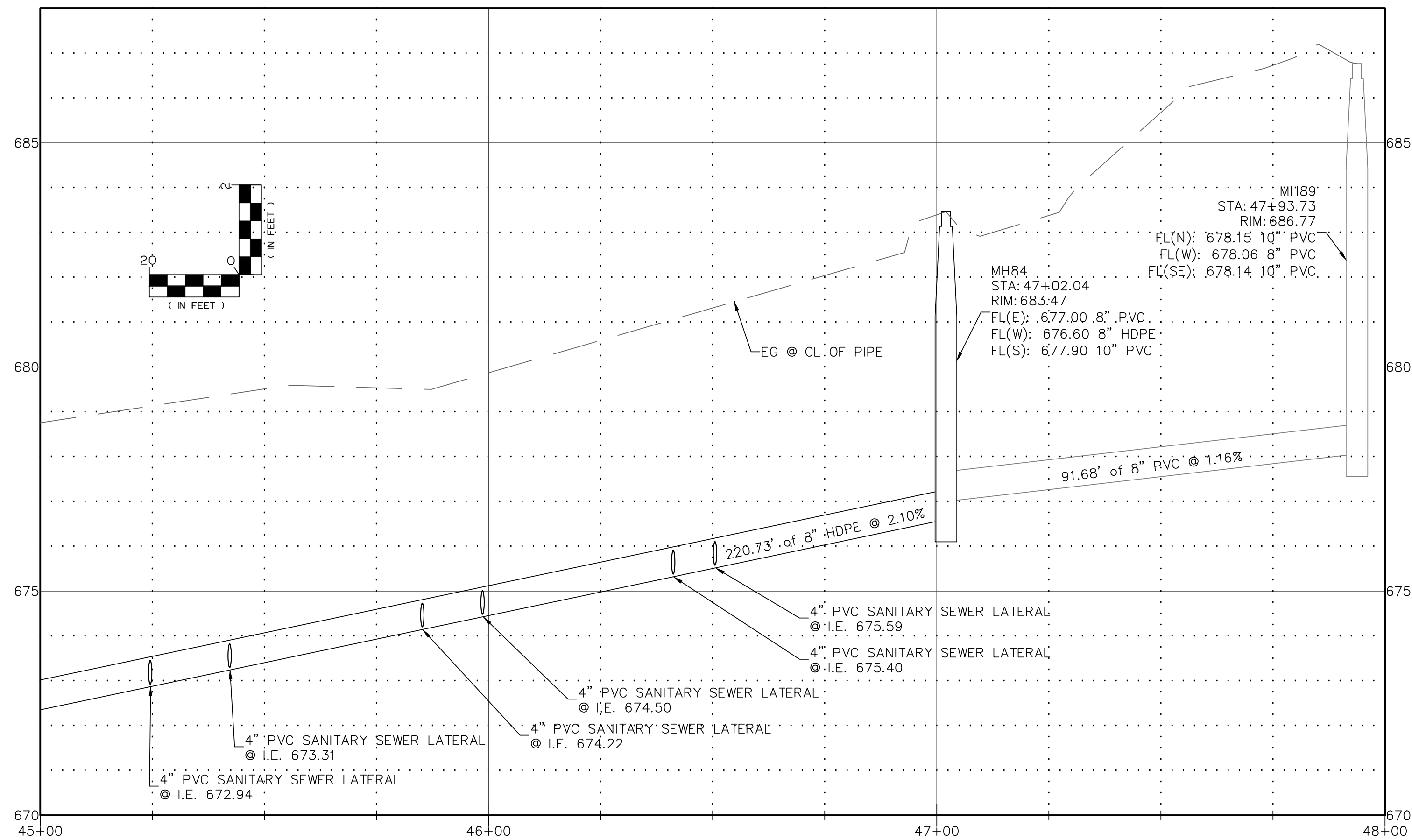
JOB No. 23-001H

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- 600 - CONSTRUCT TRENCH RESURFACING PER CITY STD DWG .602, ODOT STD DWG RD302 AND AC PAVEMENT REPAIR DETAIL 1, SHEET C3.2.
- 601 - CONSTRUCT CONCRETE CURB AND GUTTER PER CITY STD DWG 213, SHEET C3.1. DRILL 3/8" X 4 1/2" HOLES INTO EXISTING GUTTER BAR AND CURB. FILL HOLES WITH EPOXY AND INSERT 8" LONG #5 REBAR INTO HOLE PRIOR TO POURING NEW CURB & GUTTER.
- 602 - CONSTRUCT 4" SIDEWALK REPAIR PER CITY STD DWG 214, SHEET C3.1.



WW Profile: Between E Polk & Taylor – Between S 10th & S 13th



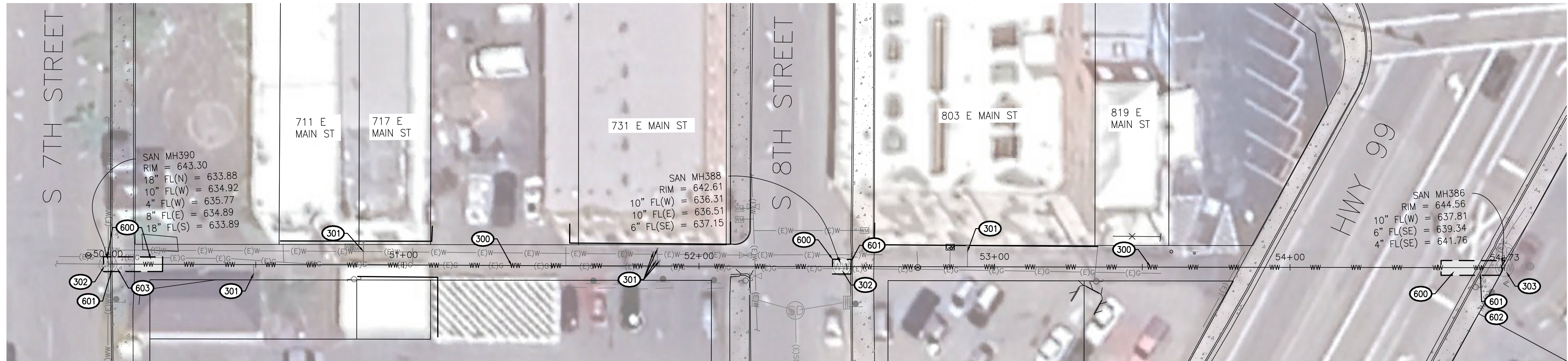
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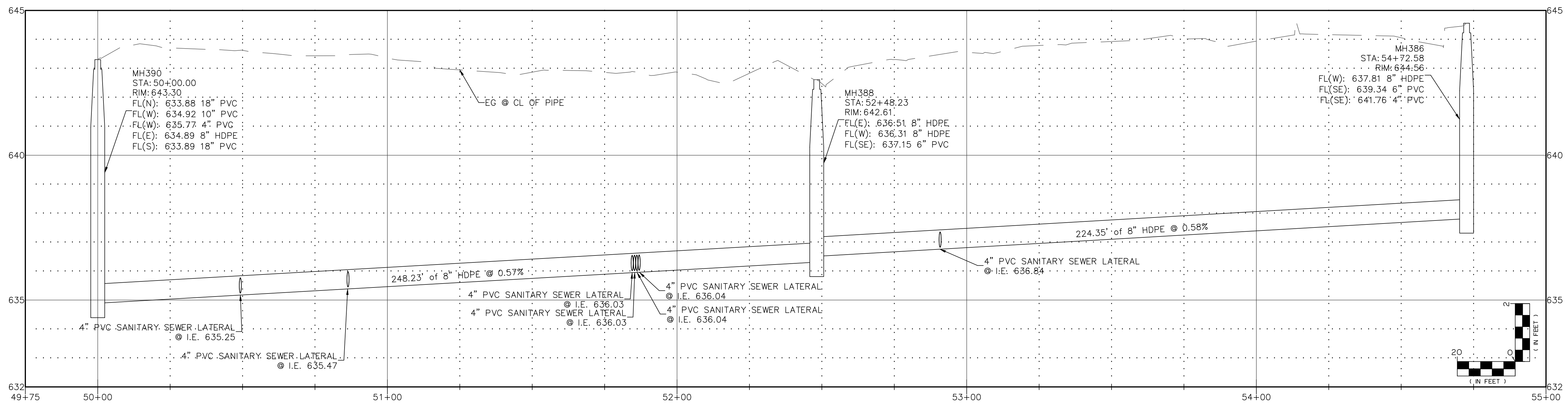
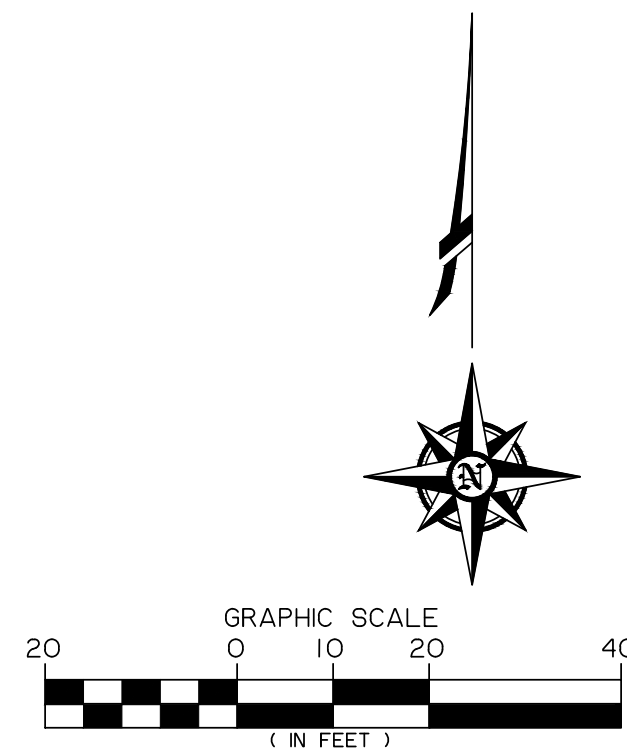


REVISIONS:		
No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE SANITARY SEWER IMPROVEMENTS		
PROPOSED IMPROVEMENTS BETWEEN E POLK AND TAYLOR STA 45+00 TO 48+00		Sheet No. C2.5
DRAWN BY: ST	CHECKED BY: JL	DATE: 6/13/2024
JOB No.		23-001H



WW Profile: Between E Main & E Washington – Between S 7th & HWY 99



CONSTRUCTION NOTES

- 300—PIPE BURST EXISTING 8-INCH CONCRETE SANITARY SEWER WITH 8-INCH FUSED HDPE SDR 11 SANITARY SEWER PIPE.
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- 600—CONSTRUCT TRENCH RESURFACING PER CITY STD DWG 602, ODOT STD DWG RD302 AND AC PAVEMENT REPAIR DETAIL 1, SHEET C3.2.
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- 602—CONSTRUCT 4" SIDEWALK REPAIR PER CITY STD DWG 214, SHEET C3.1.
- 603—CONSTRUCT 6" DRIVEWAY REPAIR PER CITY STD DWG 216, SHEET C3.1.

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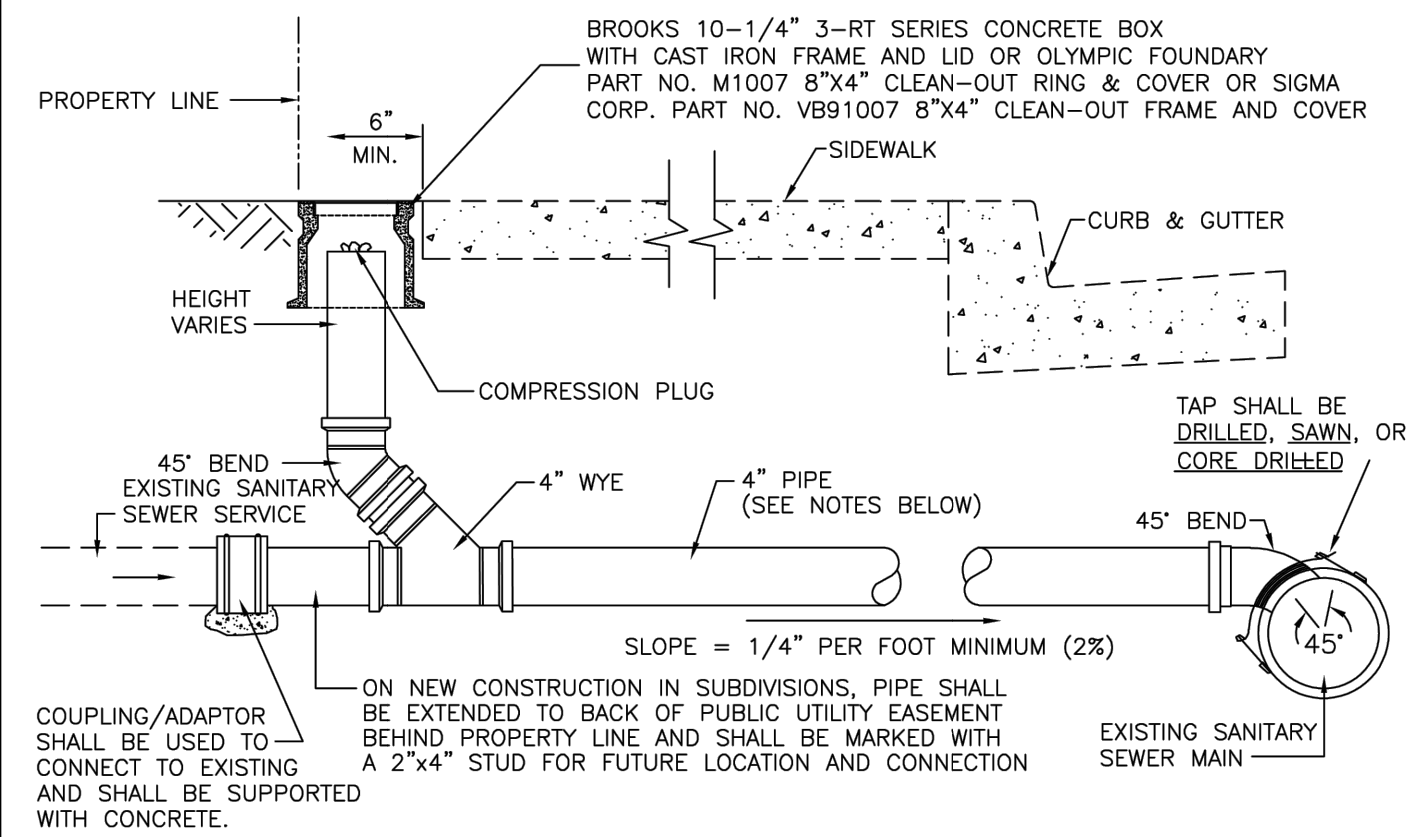
REVISIONS:		
No.	DESCRIPTION	DATE

**CITY OF COTTAGE GROVE
SANITARY SEWER IMPROVEMENTS**

PROPOSED IMPROVEMENTS
BETWEEN E MAIN AND E WASHINGTON
STA 50+00 TO 55+00

DRAWN BY: ST	CHECKED BY: JL	DATE: 6/13/2024	Sheet No. C2.6 JOB No. 23-001H
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ANY AND ALL SANITARY SEWER CONSTRUCTION AS SHOWN ON THIS DRAWING SHALL BE INSPECTED BY THE ENGINEERING DIVISION OF THE PUBLIC WORKS DEPARTMENT BEFORE TRENCH IS BACKFILLED (942-9758)



NOTES:

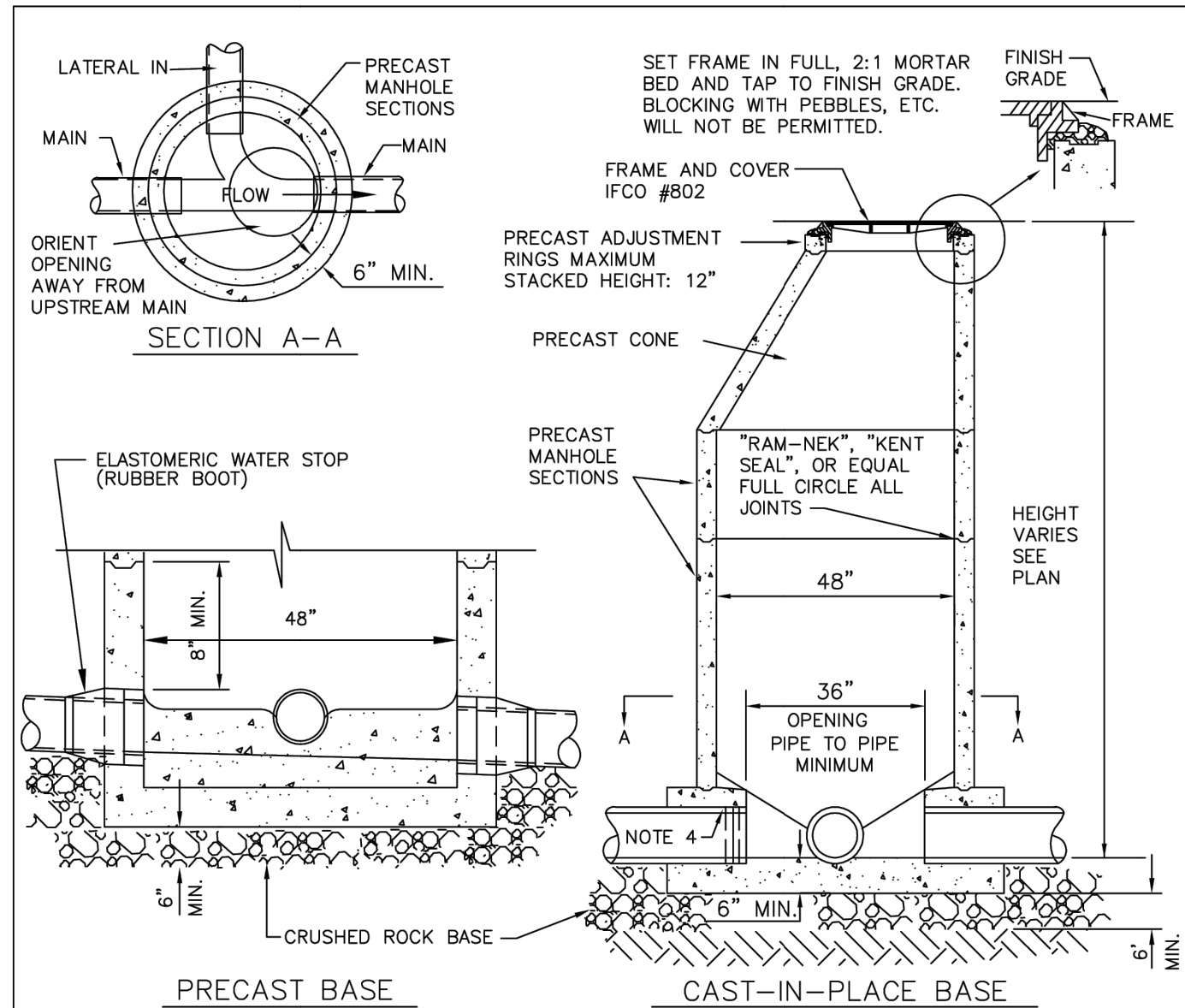
- IT IS THE CUSTOMER'S RESPONSIBILITY TO INSTALL A CLEANOUT AND MAINTAIN IT FOR THE CITY'S USE AS SHOWN, AND AS REQUIRED BY CITY ORDINANCE NO. 13.08.120.
- SANITARY SEWER SERVICE PIPE SHALL BE PVC CONFORMING TO ASTM D3034 WITH ELASTOMERIC JOINTS CONFORMING TO ASTM D3212. PVC SEWER SERVICE FITTINGS SHALL CONFORM TO ASTM D2729.
- CONNECTION TO EXISTING SANITARY SEWER MAIN SHALL BE MADE WITH A ROMAC TAPPING SADDLE, A FOWLER "INSERTA-TEE", OR APPROVED EQUAL. OTHER METHODS OF CONNECTION MAY BE APPROVED BY THE CITY ENGINEER IN CERTAIN INSTANCES. IF SEWER MAIN IS CORE DRILLED, THE CORE PLUG MUST BE REMOVED FROM THE MAIN.
- CONNECTION TO EXISTING SANITARY SEWER SERVICE SHALL BE MADE WITH A FERROD ELASTOMERIC COUPLING/ADAPTOR, OR APPROVED EQUAL OF THE APPROPRIATE SIZE OR SIZES. A COMPRESSION PLUG SHALL BE INSTALLED IN THOSE SEWER SERVICES INTENDED FOR FUTURE CONNECTION. ALL RUBBER COUPLINGS MUST BE SUPPORTED BY PERMANENT BLOCKING (E. CONCRETE, AS SHOWN ABOVE).
- ALL CLEANOUTS SHALL BE PROTECTED BY THE INSTALLATION OF A BROOKS 10-1/4", 3-RT SERIES, CONCRETE BOX WITH A TRAFFIC RATED CAST IRON FRAME AND LID OR OLYMPIC FOUNDRY 8" X 4" CLEAN OUT RING & COVER (PART NO. M1007) OR SIGMA CORP. 8" X 4" CLEAN-OUT FRAME & COVER (PART NO. VB91007 8"X4" CLEAN-OUT FRAME AND COVER).
- AN ELECTRICALLY CONDUCTIVE TRACER WIRE SHALL BE INSTALLED THE ENTIRE LENGTH OF THE SANITARY SEWER LATERAL AND SHALL BE 14 GAUGE OR HEAVIER, SOLID STRAND, UNDERGROUND FEEDER CABLE, GREEN IN COLOR. THE WIRE SHALL BE COILED AROUND THE TOP OF THE CLEANOUT INSIDE THE TRAFFIC RATED CLEANOUT COVER.
- TRENCH BACKFILL AND BEDDING MATERIAL SHALL CONFORM TO CITY STANDARD DRAWING NO. 602.
- CONNECTION TO NEW SANITARY SEWER MAIN FOR NEW CONSTRUCTION SHALL BE BY TEE ONLY. WYES WILL NOT BE PERMITTED.
- SERVICES SHALL BE CONSTRUCTED PERPENDICULAR TO SEWER MAIN. HORIZONTAL BENDS SHALL NOT BE PERMITTED. ONLY ONE 45° OR SMALLER VERTICAL BEND PERMISSIBLE BETWEEN MAINLINE CONNECTION AND CLEANOUT.
- ANY NEW CONSTRUCTION THAT WILL UTILIZE AN EXISTING SEWER SERVICE SHALL BE REQUIRED TO T.V. INSPECT THAT EXISTING SERVICE FOR SERVICEABILITY AS DIRECTED BY THE CITY ENGINEER.
- CLEANOUTS SHALL BE CONSTRUCTED ALONG THE PROPERTY LINE AS SHOWN, OR AS DIRECTED BY THE ENGINEERING DIVISION OF THE PUBLIC WORKS DEPARTMENT.

NO.	DATE	BY	DESIGN: ENG. DEPT
1	11/10/03	SEH	CHECKED: SEH
2	6/15/08	ZSI	APPROVED BY:
3	3/15/10	SEH	
4	11/23/22	RWB	



SINGLE SANITARY SEWER SERVICE AND CLEANOUT

NO. 304
ADOPTED
DATE: SHEET 1 OF 1



NOTES:

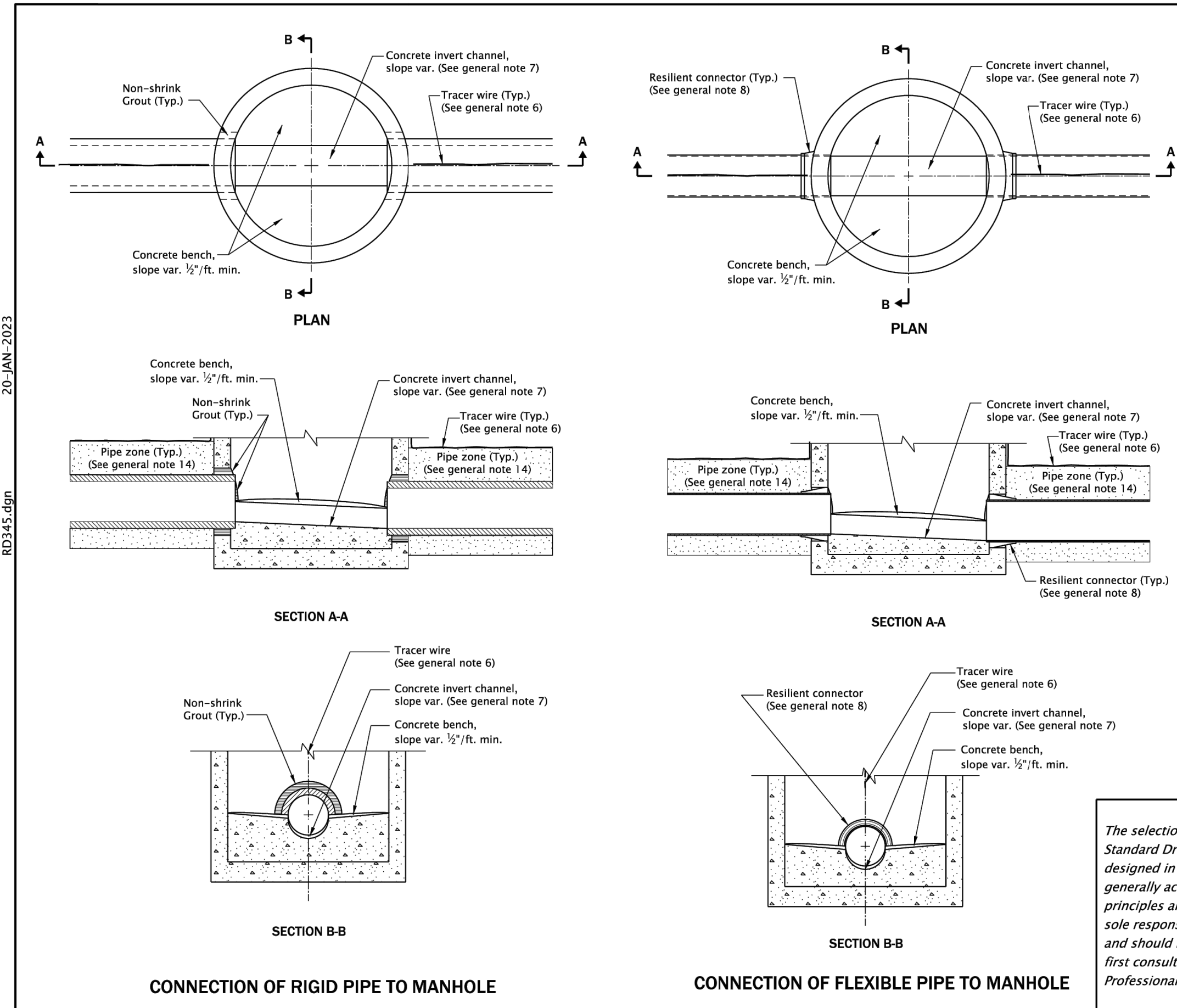
- CONCRETE FOR MANHOLE BASE SHALL BE CLASS 3000-3/4 CONFORMING TO SECTION 00759 OF THE MOST RECENT OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION. FLOWLINES SHALL BE SMOOTH AND TRUE TO GRADE.
- PRECAST MANHOLE SECTIONS, CONES, AND RINGS SHALL CONFORM TO ASTM C-478M.
- PVC, CAST IRON, OR OTHER SMOOTH PIPES ENTERING A SANITARY SEWER CAST-IN-PLACE MANHOLE BASE SHALL BE EQUIPPED WITH AN ELASTOMERIC WATER STOP INTENDED FOR THE PURPOSE. THE USE OF O-RINGS OR PIPE GASKETS FOR WATER STOPS WILL NOT BE PERMITTED.
- BACKFILL OF MANHOLES SHALL BE THE SAME AS SPECIFIED FOR ATTENDANT PIPELINES.
- THE ENGINEER MAY REVIEW THE SUBGRADE AND DETERMINE THAT IT IS UNSUITABLE (MUDDY, UNSTABLE, PEAT, ETC.) FOR MANHOLE CONSTRUCTION, AND MAY REQUIRE OVEREXCAVATION AND THE PLACEMENT OF AGGREGATE BASE TO CORRECT THE CONDITION PER SPECIFICATIONS.

NO.	DATE	BY	DESIGN: ENG. DEPT
1	10/29/03	SEH	CHECKED:
1	06/28/18	RWS	APPROVED BY:



STANDARD SANITARY OR STORM DRAIN MANHOLE

NO. 303
ADOPTED
DATE: SHEET OF



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- All precast sections shall conform to requirements of ASTM C478.
- Manhole base sections may be precast or cast-in-place.
- All concrete shall be commercial grade concrete.
- Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.
- Maximum pipe diameter varies with pipe material.
- All connecting pipes shall have a tracer wire, or approved alternate. See Std. Dwg. RD336 for tracer wire details.
- Invert channels shall be constructed to provide smooth slopes and radii to outlet pipe.
- When flexible pipe is used, install resilient connectors conforming to requirements of ASTM C923.
- See Std. Dws. RD335, RD336, and RD338 for details not shown.
- See Std. Dwg. RD336 for manhole steps details.
- See Std. Dwg. RD342 for shallow manholes.
- See Std. Dwg. RD344 for manhole base section.
- See Std. Dwg. RD356 for manhole covers and frames, manhole adjustment rings, etc.
- Pipe zone varies, see Std. Dwg. RD300.

All materials shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
PIPE TO MANHOLE CONNECTIONS	
2024	
DATE	REVISION DESCRIPTION
01-2023	REVISED DETAILS AND NOTES
CALC. BOOK NO.	N/A
SDS DATE	20-JAN-2023
	RD345

Effective Date: June 1, 2024 - November 30, 2024



REVISIONS:		
No.	DESCRIPTION	DATE

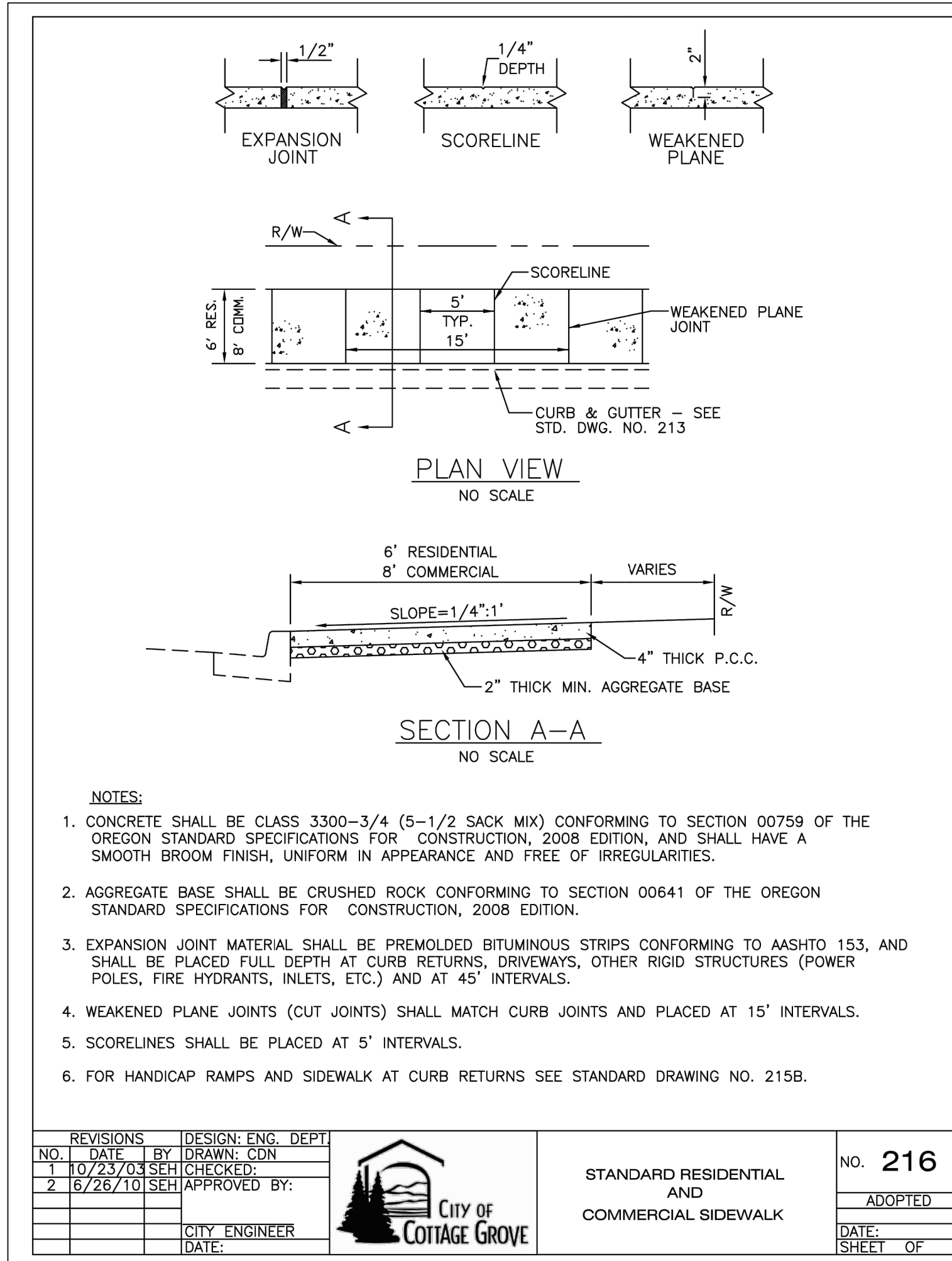
CITY OF COTTAGE GROVE SANITARY SEWER IMPROVEMENTS

DETAILS

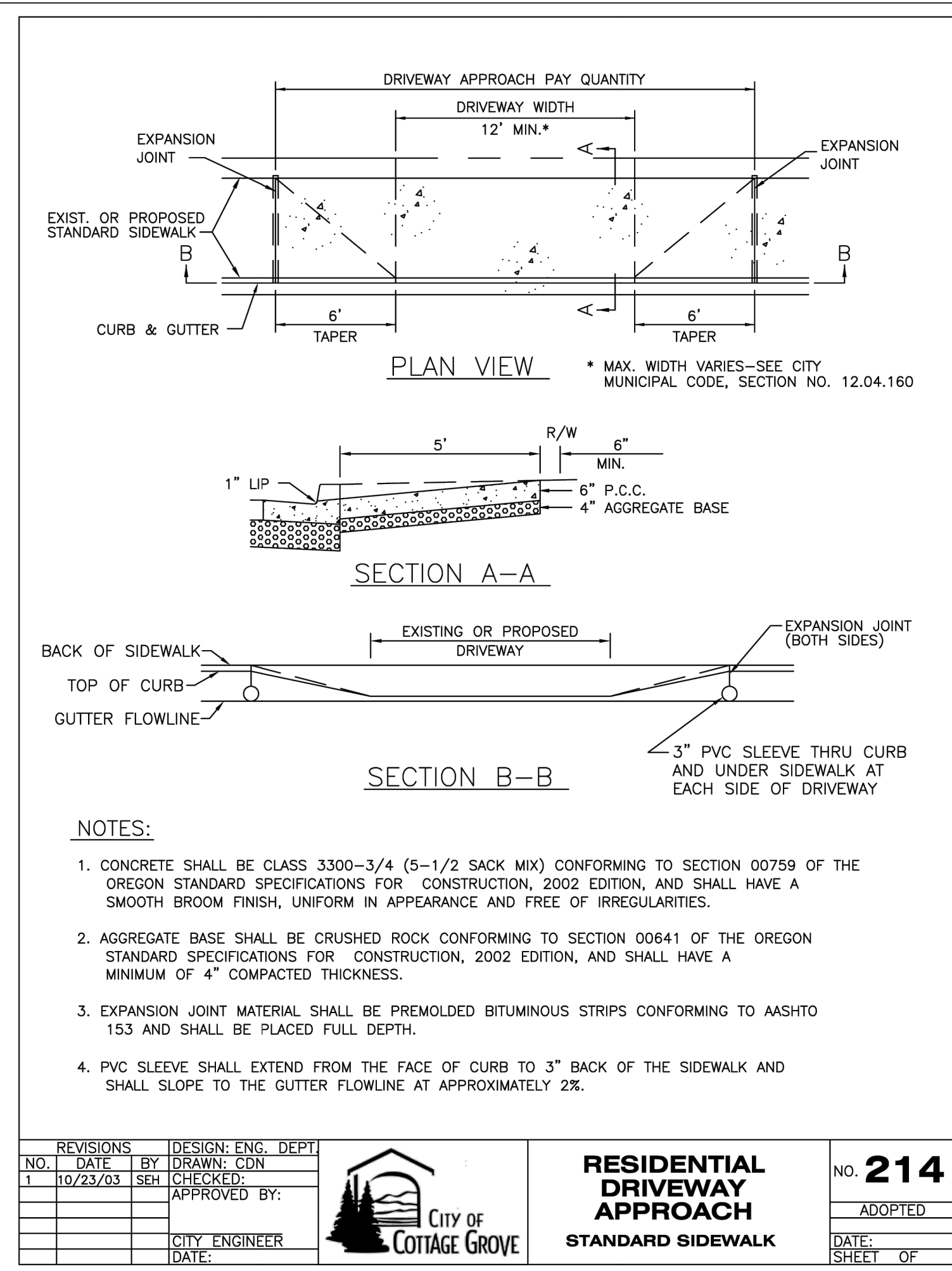
Sheet No. **C3.0**

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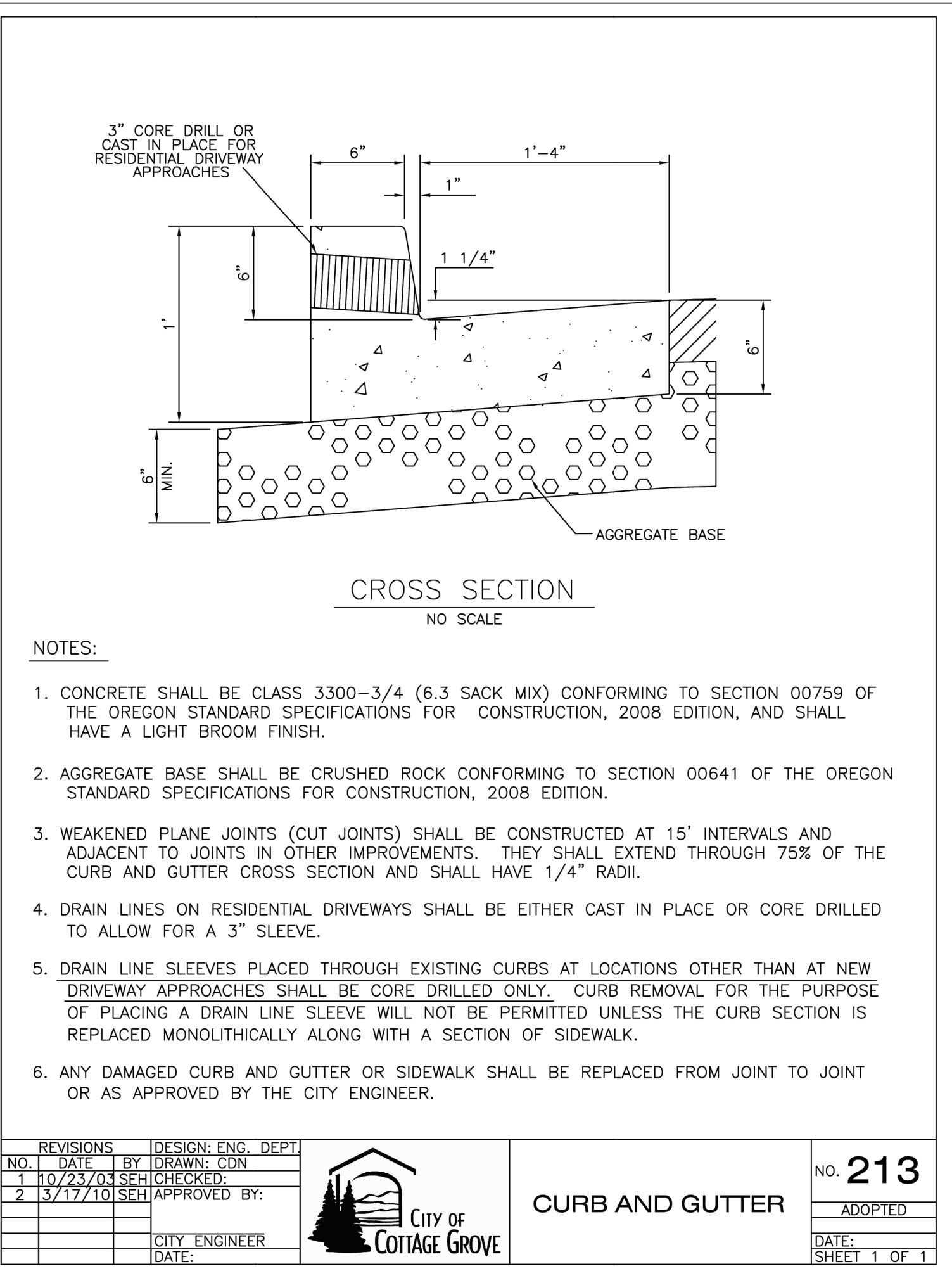
JOB No. 23-001H



REVISIONS	DESIGN: ENG. DEPT.		STANDARD RESIDENTIAL AND COMMERCIAL SIDEWALK	No. 216
NO. DATE BY	DRAWN: CDN			
1 10/23/03 SEH	CHECKED:			ADOPTED
2 6/26/10 SEH	APPROVED BY:			DATE:
	CITY ENGINEER			SHEET OF
	DATE:			



REVISIONS	DESIGN: ENG. DEPT.		RESIDENTIAL DRIVEWAY APPROACH STANDARD SIDEWALK	No. 214
NO. DATE BY	DRAWN: CDN			
1 10/23/03 SEH	CHECKED:			ADOPTED
	APPROVED BY:			DATE:
	CITY ENGINEER			SHEET OF
	DATE:			

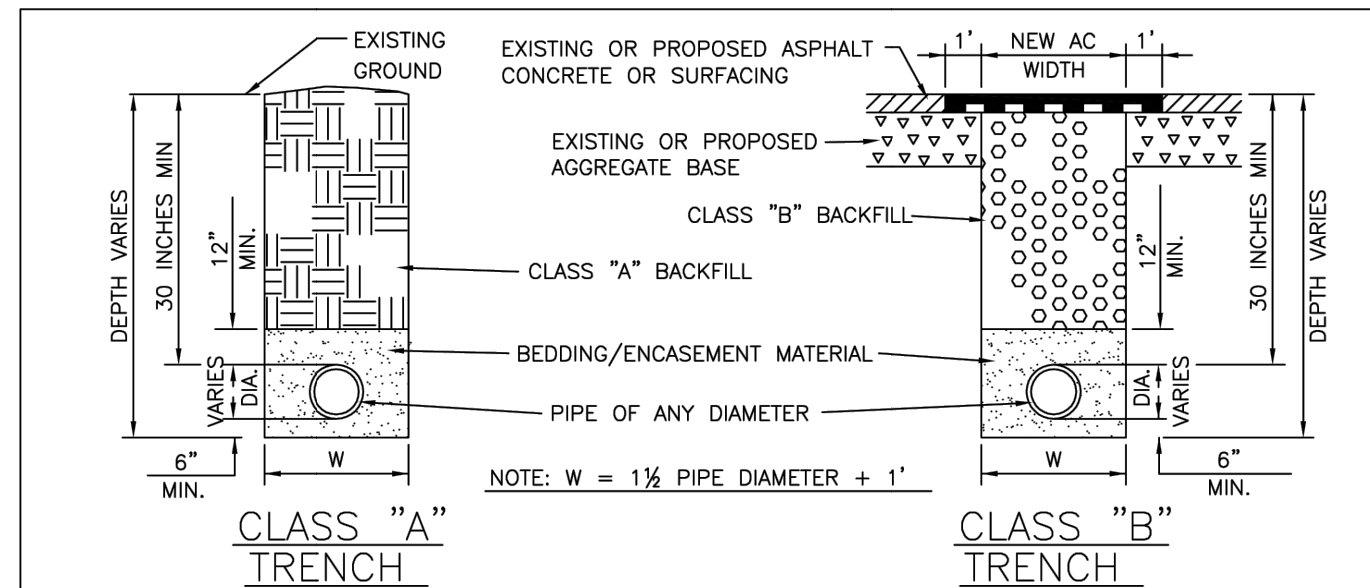


REVISIONS	DESIGN: ENG. DEPT.		CURB AND GUTTER	No. 213
NO. DATE BY	DRAWN: CDN			
1 10/23/03 SEH	CHECKED:			ADOPTED
2 3/17/10 SEH	APPROVED BY:			DATE:
	CITY ENGINEER			SHEET 1 OF 1
	DATE:			



REVISIONS:		
No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE SANITARY SEWER IMPROVEMENTS		
DETAILS		
Sheet No. C3.1		
DRAWN BY: ST	CHECKED BY: JL	DATE: 6/13/2024
JOB No. 23-001H		



- NOTES: ALL TRENCH CONDITIONS**
- TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BEGIN AT THE OUTLET END AND PROCEED UPSTREAM TO FOLLOW AS CLOSELY AS CONDITIONS ALLOW. ALL TRENCHES SHALL CONFORM TO THE SPECIFIC TRENCHING REQUIREMENTS OF THE OREGON OCCUPATIONAL SAFETY AND HEALTH CODE, DIV. 83.
 - BEDDING/ENCASEMENT MATERIAL SHALL BE 3/4"-0 CRUSHED ROCK OR COARSE CREEK RUN SAND AND SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY WITH SPECIAL ATTENTION TO THE SPACES UNDER THE HAUNCHES OF THE PIPE. ALL UTILITIES TO BE PLACED AT A MINIMUM OF 30 INCHES BELOW FINISHED GRADE.

- NOTES: CLASS "A" TRENCH CONDITIONS**
- BACKFILL SHALL BE NATIVE MATERIAL EXCAVATED FROM THE TRENCH, AS DIRECTED BY THE ENGINEER. IT SHALL BE COMPACTED TO 90% MAXIMUM DRY DENSITY. THE ENGINEER MAY WAIVE THE COMPACTION REQUIREMENTS FOR CLASS "A" TRENCHES UNDER SOME CONDITIONS.

- NOTES: CLASS "B" TRENCH CONDITIONS**
- EXISTING ASPHALTIC CONCRETE PAVEMENT OR CONCRETE SHALL BE SAWCUT 1' WIDER THAN THE TRENCH (6" EACH SIDE). ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE JOB SITE AND DISPOSED OF IN AN APPROVED DUMP SITE. THE ENGINEER MAY REQUIRE A COPY OF THE PERMIT FROM THE DUMP SITE OWNER OR OPERATOR.
 - TRENCH SHALL CONFORM TO SECTION 00405 OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION. BACKFILL MATERIAL SHALL BE 3/4"-0 CRUSHED ROCK OR 1 1/2"-0 CRUSHED ROCK CONFORMING TO CITY STANDARD SPECIFICATIONS AND SHALL BE COMPACTED IN SHALLOW LIFTS TO 95% MAXIMUM DRY DENSITY.
 - REPLACEMENT HOT MIX ASPHALT CONCRETE (HMAC) PAVEMENT SHALL BE LEVEL 2, 1/2" DENSE, CONFORMING TO SECTION 00744 OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, AND SHALL BE THE SAME THICKNESS AS EXISTING ASPHALT OR 4" MINIMUM, WHICHEVER IS GREATER, PLACED IN 2" MAXIMUM LIFTS. IMMEDIATELY AFTER THE ASPHALT CONCRETE MIXTURE HAS BEEN SPREAD, STRUCK OFF AND SURFACE IRREGULARITIES AND OTHER DEFECTS REMEDIATED, IT SHALL BE THOROUGHLY AND UNIFORMLY COMPACTED BY ROLLING UNTIL IT IS COMPACTED TO AT LEAST 90% OF MAX DENSITY. MAX DENSITY OF THE MIXTURE SHALL BE DETERMINED IN CONFORMANCE WITH AASHTO T-209. THE SURFACE OF EACH LAYER AND OF EACH COURSE SHALL BE ROLLED WHEN THE TEMPERATURE OF THE MIXTURE IS ABOVE 185F.
 - REPLACEMENT PORTLAND CEMENT CONCRETE (PCC) SHALL CONFORM TO SECTION 00759 OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, AND SHALL BE THE SAME THICKNESS AS EXISTING CONCRETE OR 4" MINIMUM, WHICHEVER IS GREATER.

- GENERAL NOTE:**
- CLASS "A" TRENCH CONDITION APPLIES TO AREAS NOT SUBJECT TO VEHICULAR TRAFFIC AND NOT WITHIN THE PUBLIC RIGHT-OF-WAY. CLASS "B" TRENCH APPLIES TO PAVED STREETS, GRAVEL STREETS, PAVED OR GRAVEL PARKING LOTS AND DRIVEWAYS, ALLEYS AND ANY AREAS WITHIN THE PUBLIC RIGHT-OF-WAY OR SUBJECT TO VEHICULAR TRAFFIC.

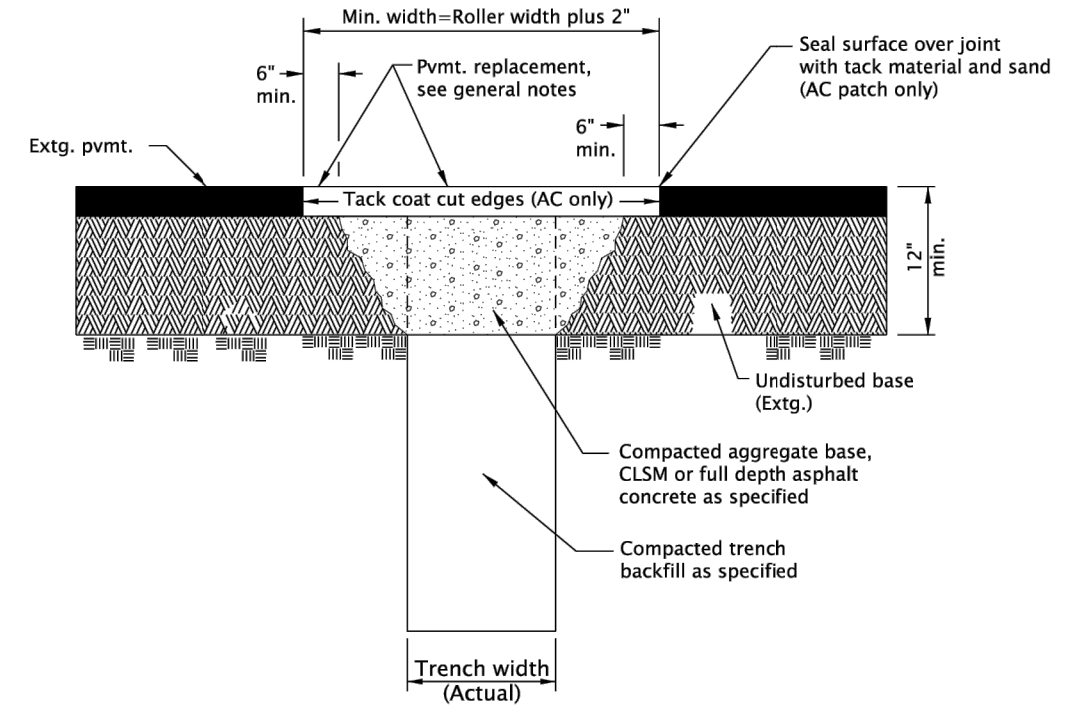
NO.	DATE	BY	DESIGN: ENG. DEPT. CON.
1	11/20/03	SEH	CHECKED: CDN
2	11/09/07	ZSI	APPROVED BY:
3	8/29/10	SEH	
4	9/18/11	ZSI	
5	12/7/17	RWS	CITY ENGINEER DATE:



STANDARD TRENCH AND BACKFILL DETAILS

NO. **602**
ADOPTED
DATE: _____
SHEET OF _____

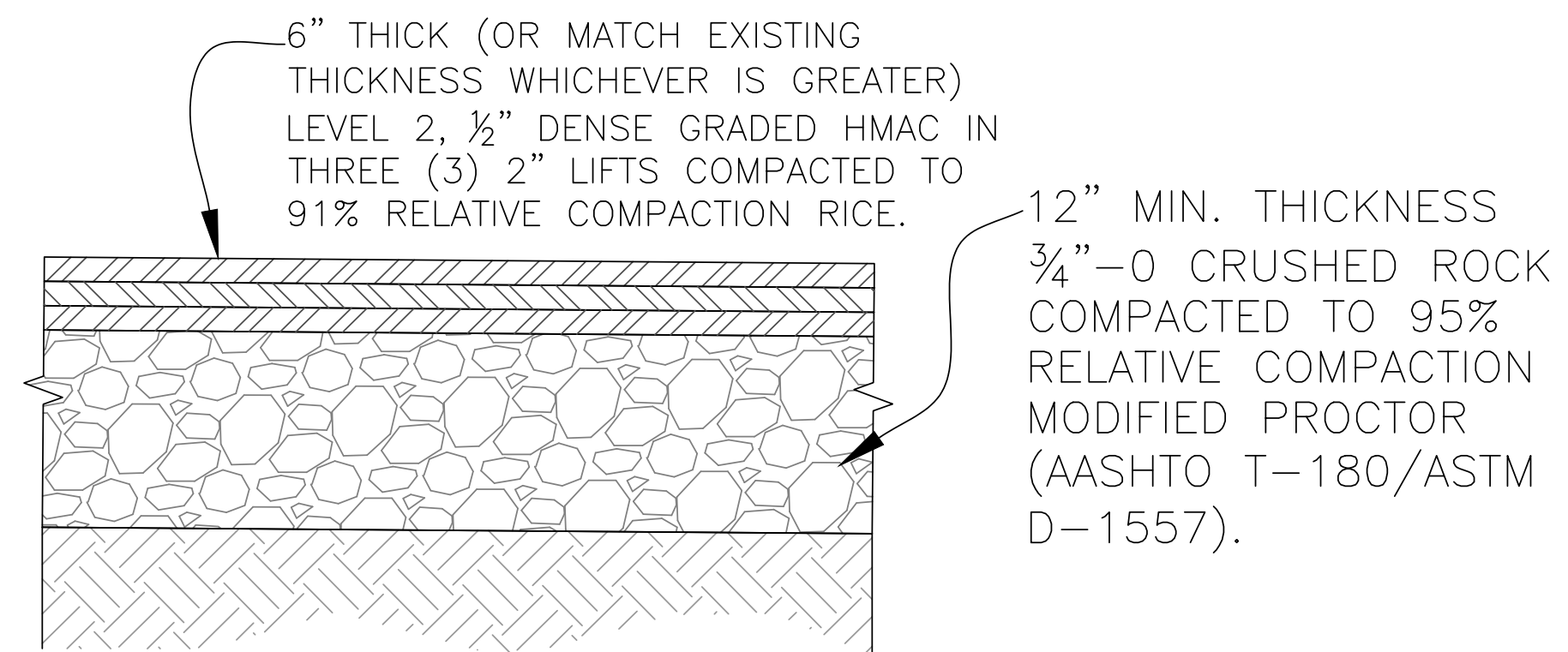
RD302.dgn 20-JUL-2020



- GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:**
- All existing AC or PCC pavement shall be sawcut prior to repaving.
 - Concrete pavement shall be replaced with concrete to a minimum thickness of 8" or to the thickness of removed pavement, whichever is greater.
 - For joining new concrete to existing concrete, see contract plans for specific details.
 - Place AC mix minimum thkn. of 6" or the thkn. of the removed pavement, whichever is greater. Compact as specified.

All materials shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
STREET CUT	
DATE:	REVISION DESCRIPTION:
2024	
SCALE:	SR: 20-JUL-2020
BOOK NO.:	RD302

Effective Date: June 1, 2024 – November 30, 2024



1 AC PAVEMENT REPAIR DETAIL
SCALE: NTS

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REGISTERED PROFESSIONAL ENGINEER
#62780PE
DIGITALLY SIGNED
OREGON
JULY 13, 2004
DAMIEN GILBERT
Expires: June 30, 2025

CITY OF COTTAGE GROVE ENGINEERING
400 Main Street Cottage Grove, OR 97424

REVISIONS:		
No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE SANITARY SEWER IMPROVEMENTS

DETAILS

Sheet No. **C3.2**

DRAWN BY: ST	CHECKED BY: JL	DATE: 6/13/2024
JOB No. 23-001H		