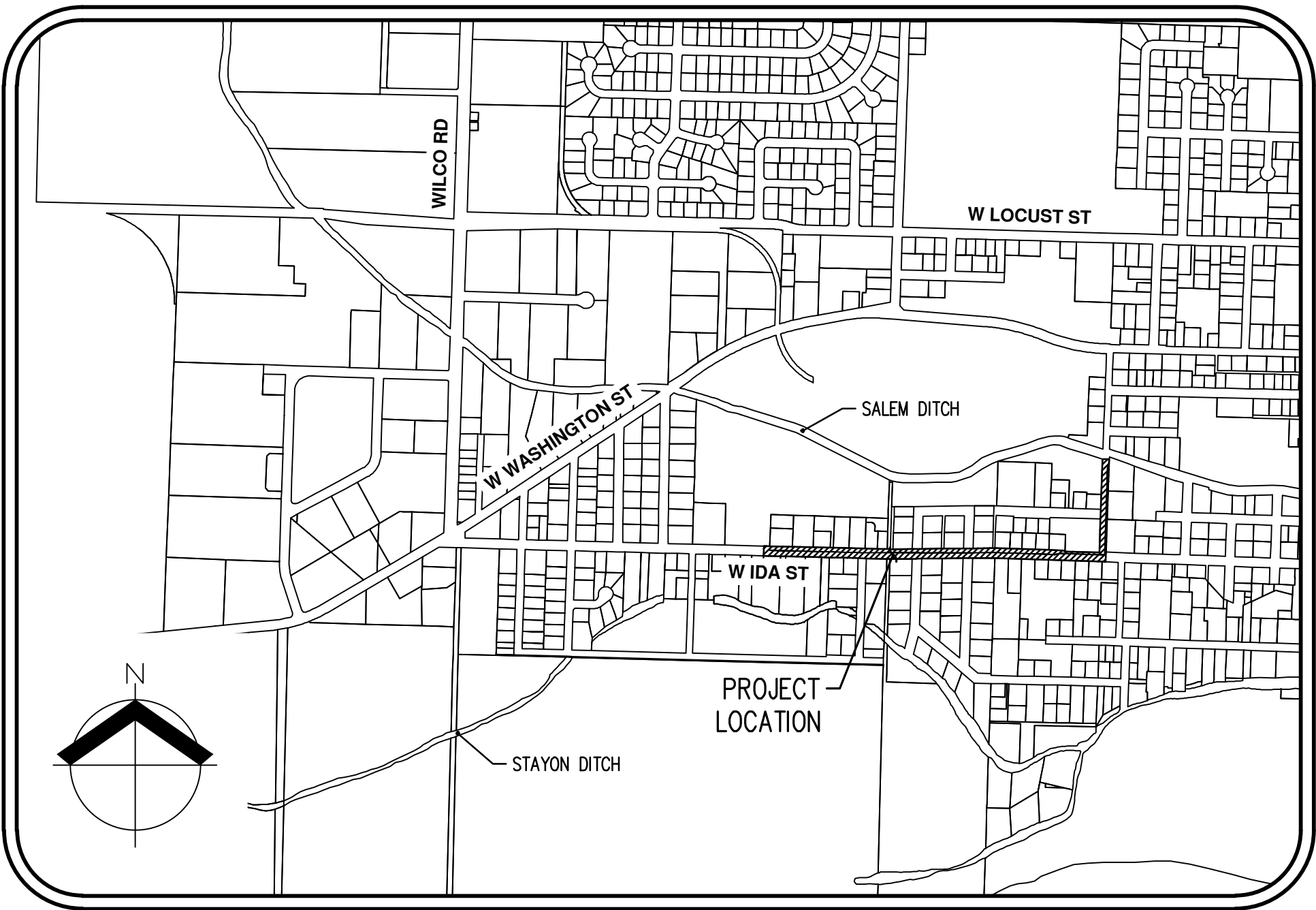


# W. IDA ST. SANITARY SEWER REPLACEMENT (PHASE 2)

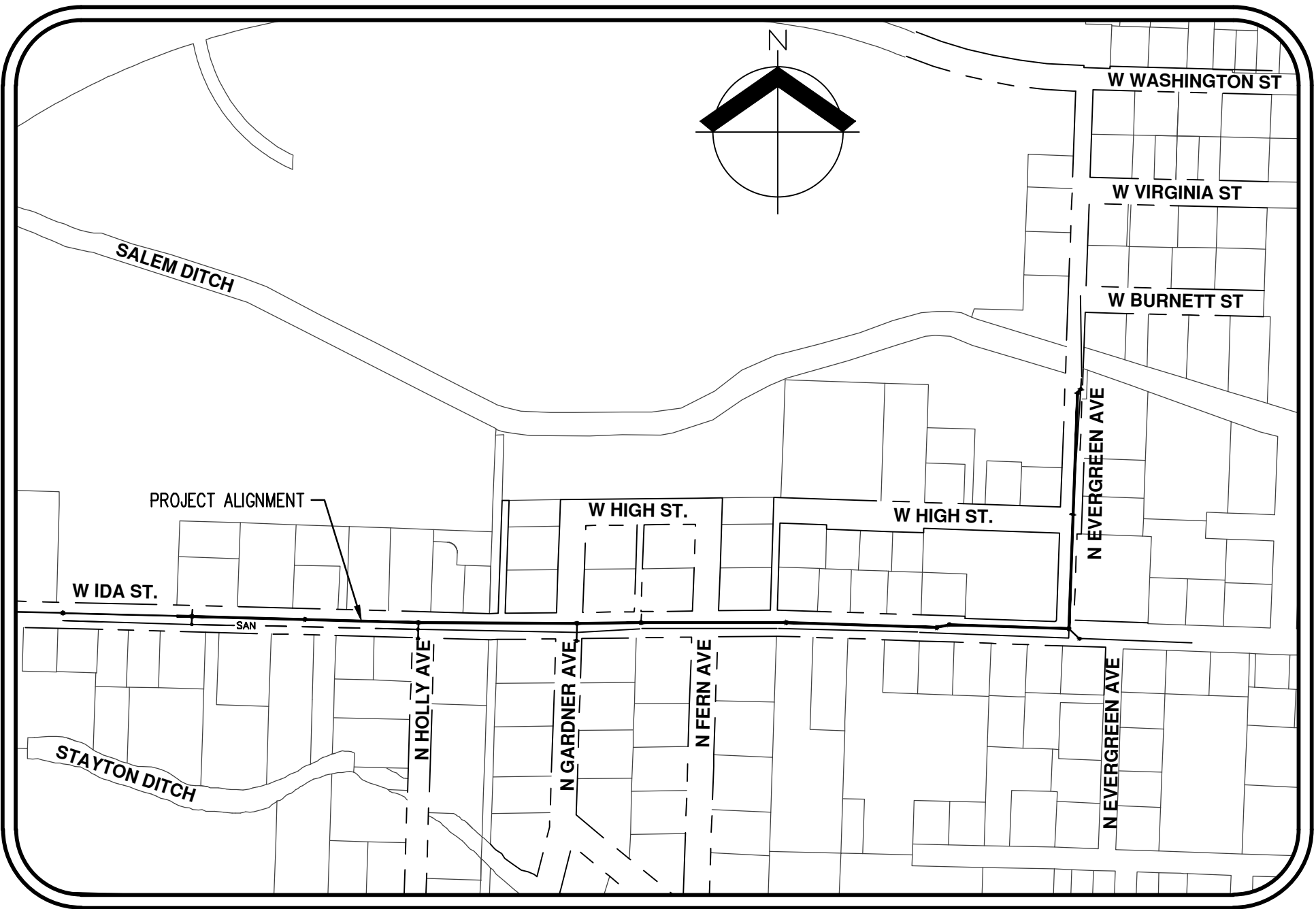
## CONSTRUCTION PLANS

MARCH 2024



VICINITY MAP

NTS



SITE MAP

1" = 300'

### SHEET INDEX

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### CIVIL ENGINEERING/ SURVEYING FIRM:

AKS ENGINEERING & FORESTRY, LLC  
CONTACT: RICHARD WALKER, PE  
3700 RIVER ROAD N, SUITE 1  
KEIZER, OREGON 97303  
PH: 503.400.6028

### OWNER

CITY OF STAYTON  
CONTACT: LANCE LUDWICK, PE  
362 N. 3RD AVENUE  
STAYTON, OR 97383  
PH: 503.769.2919  
AFTER HOUR EMERGENCY:  
503.769.3421

### UTILITY CONTACTS

#### WATER, SANITARY, STORMWATER, AND ROADS:

CITY OF STAYTON  
311 N. THIRD AVENUE  
STAYTON, OREGON 97383  
PH: 503.769.2919

#### POWER:

PACIFIC POWER  
CONTACT: KIRSTI WHEELER  
PO BOX 248  
ALBANY, OR 97321  
PH: 1.888.221.7070

#### GAS:

NORTHWEST NATURAL GAS  
CONTACT: ANDREW SCHURTER  
250 SW TAYLOR ST  
PORTLAND, OR 97204  
PH: 1.800.523.7661

#### CABLE:

ASTOUND BROADBAND  
CONTACT: JOSEPH CHAVEZ  
281 N 3RD AVE  
STAYTON, OR 97383  
PH: 1.888.222.5314

#### TELEPHONE/COMMUNICATION:

SCTC  
CONTACT: JOHN ECKIS  
502 N 2ND AVE  
STAYTON, OR 97383  
PH: 1.503.769.3754

### PROJECT LOCATION:

W IDA STREET PUBLIC RIGHT OF WAY BETWEEN N LARCH AVENUE AND N EVERGREEN AVENUE, STAYTON, OREGON. N EVERGREEN AVENUE PUBLIC RIGHT OF WAY BETWEEN W IDA STREET AND W BURNETT STREET, STAYTON, OREGON.  
LATITUDE: 44°47'50.00"N; LONGITUDE: 122°48'43.00"W

### PROPERTY DESCRIPTION:

LOCATED IN THE SOUTHWEST 1/4 OF SECTION 9DC, TOWNSHIP 9 SOUTH, RANGE 1 WEST, WILLAMETTE MERIDIAN, MARION COUNTY, OREGON AND IN THE SOUTHEAST 1/4 OF SECTION 9DD, TOWNSHIP 9 SOUTH, RANGE 1 WEST, WILLAMETTE MERIDIAN, MARION COUNTY, OREGON.

### VERTICAL DATUM:

ELEVATIONS ARE BASED ON NGS BENCHMARK NO. 37, POINT ID: QE0391. LOCATED AT THE NORTHWEST CORNER OF FIRST AND WEST WATER STREETS, 0.2 MILES NORTH OF NORTH SANTIAM RIVER BRIDGE. ELEVATION = 451.61 FEET (NAVD 88).

### HORIZONTAL DATUM:

HORIZONTAL COORDINATES ARE BASED ON A LOCAL DATUM PLANE DERIVED FROM STATE PLANE OREGON NORTH 3601 NAD83(2011)EPOCH: 2010.0000 BY MULTIPLYING A PROJECT MEAN GROUND COMBINED SCALE FACTOR OF 1.00010400307495 AT A CENTRAL PROJECT POINT WITH INTERNATIONAL FOOT STATE PLANE GRID COORDINATES N:420705963 E:7602359.755 AND A MERIDIAN CONVERGENCE ANGLE OF -1°38'19.6". STATE PLANE COORDINATES WERE DERIVED FROM GPS OBSERVATIONS USING THE TRIMBLE VRS NOW NETWORK. DISTANCES SHOWN ARE INTERNATIONAL FOOT GROUND VALUES.

### ATTENTION EXCAVATORS:

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 THESE RULES FROM THE CENTER BY CALLING 503.232.1987. IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS, BUT NOT MORE THAN TEN BUSINESS DAYS, BEFORE COMMENCING ANY EXCAVATION. CALL 503.246.6699.



Know what's below.  
Call before you dig.



W IDA ST. SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON  
OREGON  
MARION COUNTY TAX MAPS

COVER SHEET WITH  
VICINITY AND SITE MAP

DESIGNED BY:	BTW
DRAWN BY:	BTW
MANAGED BY:	RCW
CHECKED BY:	RCW
DATE: 03/12/2024	
REGISTERED PROFESSIONAL ENGINEER 79184PE DIGITALLY SIGNED OREGON JUNE 2, 2011 RICHARD C. WALKER EXPIRES: JUNE 30, 2024	
REVISIONS	

JOB NUMBER  
9158-02  
SHEET  
C000



AKS DRAWING FILE: 9158-02 NOTES.DWG | LAYOUT: C001

CITY OF STAYTON STANDARD CONSTRUCTION NOTES

1. GENERAL

- CONTRACTOR SHALL PROCURE AND CONFORM TO ALL CONSTRUCTION PERMITS REQUIRED BY THE CITY OF STAYTON, MARION COUNTY AND/OR ODOT, AS APPLICABLE. CONTRACTOR SHALL PROCURE A RIGHT-OF-ENTRY PERMIT FROM MARION COUNTY AND/OR ODOT FOR ALL WORK WITHIN MARION COUNTY OR STATE RIGHT-OF-WAY. CONTRACTOR SHALL CONFORM TO ALL CONDITIONS OF THE PERMIT.
- CONTRACTOR SHALL PROCURE A RIGHT-OF-ENTRY PERMIT FROM AFFECTED RAILROADS FOR ALL WORK WITHIN THE RAILROAD RIGHT-OF-WAY AND CONFORM TO ALL CONDITIONS OF THE PERMIT.
- CONTRACTOR SHALL PROVIDE ALL BONDS AND INSURANCE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION.
- MATERIALS AND WORKMANSHIP FOR FACILITIES IN PUBLIC 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 DEPARTMENT OF HUMAN SERVICES (DHS) THE OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) AND THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT).
- 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 PLANS AND SPECIFICATIONS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE AGENCY REQUIREMENTS AND PROVIDE A COMPLETED PROJECT.
- CONTRACTOR TO NOTIFY CITY, COUNTY, ODOT AND ALL UTILITY COMPANIES A MINIMUM OF 48 BUSINESS HOURS (2 BUSINESS DAYS) PRIOR TO START OF CONSTRUCTION, AND COMPLY WITH ALL OTHER REQUIREMENTS OF ORS 757.541 TO 757.571.
- ANY INSPECTION BY THE ENGINEER, CITY, COUNTY OR OTHER AGENCIES SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE APPLICABLE CODES AND AGENCY REQUIREMENTS.
- SOURCE OF TOPOGRAPHY SHOWN ON THE CIVIL PLANS ARE BASE MAPS PROVIDED BY AKS ENGINEERING AND FORESTRY. EXISTING CONDITIONS MAY VARY FROM THOSE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND ADJUST WORK PLAN ACCORDINGLY, PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- HORIZONTAL DATUM: STAYTON LOCAL COORDINATE SYSTEM.
- VERTICAL DATUM: NAVD 88.
- PRIOR TO ANY CONSTRUCTION ACTIVITY IN PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN TO THE CITY AND OTHER BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION FOR REVIEW AND APPROVAL. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES PER CITY, COUNTY AND ODOT 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.
- RECORD DRAWINGS: THE CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED PLANS AND SPECIFICATIONS ON THE CONSTRUCTION SITE AT ALL TIMES WHEREON HE WILL RECORD ANY APPROVED DEVIATIONS IN CONSTRUCTION FROM THE APPROVED PLANS, 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 UPON REQUEST. UPON COMPLETION OF CONSTRUCTION OF PUBLIC FACILITIES, CONTRACTOR SHALL SUBMIT A CLEAN SET OF FIELD RECORD DRAWINGS CONTAINING ALL AS-BUILT INFORMATION TO THE DESIGN ENGINEER FOR USE IN THE PREPARATION OF RECORD DRAWINGS FOR SUBMITTAL TO THE CITY.
- THE CONTRACTOR SHALL SUBMIT A SUITABLE WARRANTY BOND PRIOR TO FINAL PAYMENT WHERE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION.
- CONTRACTOR SHALL PROCURE AND CONFORM TO DEQ 1200-C OR ON STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES WHERE ONE (1) OR MORE ACRES ARE DISTURBED.
- PER OREGON FIRE CODE (OFC 505.1), NEW AND EXISTING BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS, BUILDING NUMBERS, OR APPROVED BUILDING IDENTIFICATION PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FOR THE STREET OR ROAD FRONTING THE PROPERTY. THESE NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND. NUMBERS SHALL BE A MINIMUM OF 4-INCHES HIGH WITH A MINIMUM STROKE WIDTH OF 0.5-INCH. TEMPORARY ADDRESS SIGNS SHALL BE MOUNTED IN A VISIBLE LOCATION PRIOR TO AND DURING ANY CONSTRUCTION, AND THE PERMANENT NUMBERS MOUNTED PRIOR TO OCCUPANCY.
- PER OREGON FIRE CODE (OFC 505.2), STREETS AND ROADS SHALL BE IDENTIFIED WITH APPROVED SIGNS. TEMPORARY SIGNS SHALL BE INSTALLED AT EACH STREET INTERSECTION WHEN CONSTRUCTION OF NEW ROADWAYS ALLOWS PASSAGE BY VEHICLES. SIGNS SHALL BE OF AN APPROVED SIZE, WEATHER RESISTANT, AND BE MAINTAINED UNTIL REPLACED BY PERMANENT SIGNS.
- THE ENGINEER AND APPLICABLE AGENCY MUST APPROVE, PRIOR TO CONSTRUCTION, ANY ALTERATION OR VARIANCE FROM THESE PLANS. ANY VARIATIONS FROM THESE PLANS SHALL BE PROPOSED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE DESIGN ENGINEER AND THE CITY FOR APPROVAL.

2. EXISTING UTILITIES AND FACILITIES

- 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 952-0010090. 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).
- THE LOCATION AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE CITY, DESIGN ENGINEER OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. CONTRACTOR SHALL FIELD VERIFY SIZES AND LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING PROPERTY AND STREET MONUMENTS PRIOR TO CONSTRUCTION. ANY MONUMENTS DISTURBED DURING CONSTRUCTION OF THE PROJECT SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. THE MONUMENTS SHALL BE REPLACED WITHIN A MAXIMUM OF 90 DAYS, AND THE COUNTY SURVEYOR SHALL BE NOTIFIED IN WRITING AS REQUIRED BY ORS 209.150.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF ALL BURIED AND OVERHEAD UTILITIES.
- CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES WHERE NEW FACILITIES CROSS. ALL UTILITY CROSSINGS MARKED OR SHOWN ON THE PLANS SHALL BE POTHOLED USING HAND TOOLS OR OTHER NON-INVASIVE METHODS PRIOR TO EXCAVATING OR BORING. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE MODIFICATIONS WITHOUT DELAYING THE WORK. IF GRADE MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER, AND THE DESIGN ENGINEER SHALL OBTAIN APPROVAL FROM THE CITY ENGINEER PRIOR TO CONSTRUCTION. ALL UTILITY CROSSINGS SHALL BE POTHOLED AS NECESSARY PRIOR TO EXCAVATING OR BORING TO ALLOW THE CONTRACTOR TO PREVENT GRADE OR ALIGNMENT CONFLICTS.
- EXISTING 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 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.
- ANY SEPTIC TANKS ENCOUNTERED DURING CONSTRUCTION SHALL BE PUMPED OUT AND, REMOVED OR ABANDONED IN PLACE IN ACCORDANCE WITH STATE OF OREGON DEQ AND MARION COUNTY SANITARIAN REQUIREMENTS.
- ANY WELLS ENCOUNTERED SHALL BE ABANDONED PER STATE OF OREGON WATER RESOURCES DEPARTMENT REQUIREMENTS.
- ANY FUEL TANKS ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF PER STATE OF OREGON DEQ REQUIREMENTS. BACKFILL WITH COMPACTED GRANULAR MATERIAL.

3. EARTHWORK

- UNLESS OTHERWISE NOTED, ALL EARTHWORK SHALL CONFORM TO THE STANDARD CONSTRUCTION SPECIFICATIONS. IN ADDITION, THE CONTRACTOR SHALL REVIEW THE SOILS REPORT PREPARED BY REDMOND GEOTECHNICAL SERVICES, LLC, AND CONFORM TO ALL RECOMMENDATIONS LISTED IN THE REPORT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING CONSTRUCTION ACTIVITIES TO ENSURE THAT PUBLIC STREETS AND RIGHT-OF-WAYS ARE KEPT CLEAN OF MUD, DUST OR DEBRIS. DUST ABATEMENT SHALL BE MAINTAINED BY ADEQUATE WATERING OF THE SITE BY THE CONTRACTOR.
- UNLESS OTHERWISE NOTED, ANY GRADING ON THE SITE SHALL BE COMPLETED SO AS TO MAINTAIN EXISTING DRAINAGE FROM ADJACENT PROPERTIES. ALL PROPOSED ELEVATIONS SHOWN SHALL BE CONSIDERED TO BE FINISH SURFACE ELEVATIONS, UNLESS NOTED OTHERWISE.
- CLEAR AND GRUB, WITHIN WORK LIMITS SHOWN, ALL SURFACE VEGETATION, TREES, STUMPS, BRUSH, ROOTS, ETC. DO NOT DAMAGE OR REMOVE TREES EXCEPT AS APPROVED AND AS SHOWN ON THE PLANS. PROTECT ALL ROOTS TWO INCHES IN DIAMETER OR LARGER, UNLESS OTHERWISE DIRECTED IN THE PLANS AND SPECIFICATIONS.
- STRIP WORK LIMITS A MINIMUM OF FOUR INCHES (4") OR AS RECOMMEND BY THE SOILS REPORT, REMOVING ALL ORGANIC MATTER WHICH CANNOT BE COMPACTED INTO A STABLE MASS. ALL TREES, BRUSH AND DEBRIS ASSOCIATED WITH CLEARING, STRIPPING OR GRADING SHALL BE REMOVED AND DISPOSED OF OFF-SITE.
- IMMEDIATELY FOLLOWING FINE GRADING OPERATIONS, COMPACT SUB GRADE TO 95 PERCENT OF THE MAXIMUM DRY DENSITY PER AASHTO T -180 TEST METHOD (MODIFIED PROCTOR). SUB GRADE MUST BE INSPECTED AND APPROVED BY THE CITY PRIOR TO PLACING EMBANKMENTS OR BASE ROCK.
- FILLS WITHIN PUBLIC RIGHT-OF-WAYS AND EASEMENTS SHALL BE ENGINEERED. ADDITIONALLY, ANY FILLS OUTSIDE OF PUBLIC RIGHT-OF-WAYS WHICH ARE OVER 12-INCHES IN DEPTH SHALL BE ENGINEERED. ANY ENGINEERED FILLS OVER 12-INCHES IN DEPTH SHALL REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH CHAPTER 1704.7 OF THE OREGON STRUCTURAL SPECIALTY CODE.
- PLACE FILL MATERIAL UNIFORMLY ACROSS SITE TO PROVIDE POSITIVE DRAINAGE AND PREVENT LOW AREAS DURING CONSTRUCTION. PROVIDE TEMPORARY DITCHES OR SWALES AS NECESSARY TO PREVENT SURFACE WATER FROM PONDING AND TO DIRECT SURFACE WATER AWAY FROM AREA OF FILL PLACEMENT.
- DO NOT PLACE FILL MATERIAL IF FROZEN, IF SURFACE UPON WHICH FILL IS TO BE PLACED IS FROZEN, OR DURING PERIODS OF MEASURABLE RAIN. CONTRACTOR SHALL CONTINUALLY MONITOR AND ALTER THE MOISTURE CONTENT OF THE SOIL EITHER BY ADDING MOISTURE OR BY DRYING THE SOIL BY AERATION SUCH THAT THE MOISTURE CONTENT OF THE SOIL DOES NOT VARY BY PLUS OR MINUS TWO PERCENT (±2%) OF OPTIMUM. EXCAVATED TRENCH NATIVE MATERIAL, WHICH IS OF SUITABLE MATERIAL, SHALL BE PLACED AND COMPACTED AS ENGINEERED FILL.
- ENGINEERED FILLS SHALL BE CONSTRUCTED IN 6-INCH MAXIMUM LIFTS. EACH LIFT SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY PER AASHTO T -180 TEST METHOD (MODIFIED PROCTOR). ALL SUBGRADE IN PUBLIC RIGHT-OF-WAYS SHALL BE COMPACTED TO A FIRM AND UNYIELDING CONDITION.
- UNLESS OTHERWISE SHOWN ON THE PLANS, NO CUT OR FILL SLOPES SHALL BE CONSTRUCTED STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL.
- PLANTER AREAS SHALL BE BACKFILLED WITH APPROVED TOP SOIL MINIMUM 12-INCH IN DEPTH. STRIPPING MATERIALS SHALL NOT BE USED FOR PLANTER BACKFILL.
- CONTRACTOR SHALL SEED ALL EXPOSED SLOPES AND DISTURBED AREAS WHICH ARE NOT SCHEDULED TO BE LANDSCAPED OR RECEIVE A HARD SURFACING.
- GRADING SHOWN ON THE PLANS IS CRITICAL TO THE FUNCTIONING OF SITE DRAINAGE AND SHALL BE STRICTLY FOLLOWED.
- AS APPLICABLE, CONTRACTOR SHALL COORDINATE AND ENSURE THAT STORMWATER FACILITY SIZE, ELEVATION, AND DETENTION VOLUMES ARE VERIFIED AND INSPECTED BY THE DESIGN ENGINEER AND APPROVED BY PUBLIC AGENCIES HAVING JURISDICTION PRIOR TO PAVING AND LANDSCAPING.

4. PAVING

- UNLESS OTHERWISE NOTED, ALL ROCKING AND PAVING SHALL CONFORM TO THE STANDARD CONSTRUCTION SPECIFICATIONS.
- UNLESS OTHERWISE SHOWN ON THE PLANS, SMOOTH TRANSITIONS SHALL BE RUN BETWEEN ALL FINISH GRADE ELEVATIONS AND/OR FINISH CONTOUR LINES SHOWN. FINISH PAVEMENT GRADES AT TRANSITION TO EXISTING PAVEMENT SHALL MATCH EXISTING PAVEMENT GRADES TO PROVIDE A SMOOTH, FREE DRAINING SURFACE.
- CRUSHED ROCK SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD CONSTRUCTION SPECIFICATIONS. COMPACT TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T -180 TEST METHOD (MODIFIED PROCTOR). PRIOR TO PLACING AC PAVEMENT, WRITTEN COMPACTION TEST RESULTS FOR BASE/ROCK AND TRENCH BACKFILL MUST BE RECEIVED BY THE CITY, AND A PROOF-ROLL (WITNESSED BY THE CITY) MUST BE PERFORMED.
- PAVING OF STREETS WILL NOT BE ALLOWED UNTIL AFTER COMPLETION OF ALL REQUIRED TESTING AND INSPECTION OF NEW WATER, SEWER AND STORM DRAIN LINES UNDER PAVED AREAS, AND REVIEW AND APPROVAL OF THE PRIVATE (FRANCHISE) UTILITY PLANS BY THE CITY ENGINEER OR HIS/HER DESIGNEE.
- PAVEMENT SHALL CONFORM TO THE STANDARD CONSTRUCTION SPECIFICATIONS. ASPHALT CONCRETE PAVEMENT SHALL BE COMPACTED TO A MINIMUM OF 91 PERCENT OF MAXIMUM DENSITY (AT ALL LOCATIONS) AS DETERMINED BY THE RICE STANDARD METHOD (AASHTO T-209).
- EXISTING OR CONSTRUCTED MANHOLES, CLEANOUTS, MONUMENTS, GAS VALVES, WATER VALVES AND SIMILAR STRUCTURES SHALL BE ADJUSTED TO MATCH FINISH GRADE OF THE PAVEMENT (PRIOR TO PAVING OPERATIONS), SIDEWALK, LANDSCAPED AREA OR MEDIAN STRIP WHEREIN THEY LIE. STORM DRAIN INLET STRUCTURES SHALL BE ADJUSTED SO WATER FLOWS INTO THE STRUCTURE WITHOUT PONDING WATER.
- ASPHALT CONCRETE PAVEMENT WHICH DOES NOT MEET SPECIFIED COMPACTION REQUIREMENTS, AND WHICH ARE DESIGNED BY THE CITY ENGINEER TO BE UNSUITABLE FOR USE, WILL BE REJECTED. ANY REJECTED MATERIAL SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

5. CURBS AND SIDEWALKS

- UNLESS OTHERWISE SHOWN OR INDICATED ON THE PLANS, 6-INCHES NOMINAL CURB EXPOSURE USED FOR DESIGN OF ALL PARKING LOT AND STREET GRADES.

- CONTRACTOR SHALL PROVIDE A MINIMUM 2-WEEP HOLES PER LOT IN CURB TO PROVIDE FOR LOT DRAINAGE. ONE WEEP HOLE SHALL BE LOCATED 5-FEET FROM THE PROPERTY LINE ON THE LOW POINT IN THE LOT FRONTAGE. WEEP HOLES SHALL ALSO BE PROVIDED AS REQUIRED FOR ADDITIONAL DRAINPIPES SHOWN ON THE PLANS. WEEPHOLES INSTALLED IN EXISTING CURBS SHALL BE CORE DRILLED.
- CURBS AND GUTTERS SHALL BE STAMPED WITH AN 'SS', 'SD', OR 'W' AT THE POINT WHERE EACH SANITARY SEWER, STORM DRAIN AND WATER SERVICE LATERAL CROSSES THE CURBS AND GUTTERS, RESPECTIVELY. THE LOCATION OF GATE VALVES SHALL ALSO BE MARKED WITH A 'GV'. LETTERS SHALL BE A MINIMUM OF 2-INCHES HIGH.
- CONTRACTOR SHALL CONSTRUCT HANDICAP ACCESS RAMPS AT ALL INTERSECTIONS IN ACCORDANCE WITH CURRENT ADA REQUIREMENTS.
- SIDEWALKS AND DRIVEWAYS SHALL BE CONSTRUCTED TO THE FULL THICKNESS SHOWN.
- WHERE TRENCH EXCAVATION REQUIRES REMOVAL OF PCC CURBS AND/OR SIDEWALKS, THE CURBS AND/OR SIDEWALKS SHALL BE SAWCUT AND REMOVED AT A TOOLED JOINT UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE CITY. THE SAWCUT LINES SHOWN ON THE PLANS ARE SCHEMATIC AND NOT INTENDED TO SHOW THE EXACT ALIGNMENT OF SUCH CUTS.

6. SITE UTILITIES

- CONTRACTOR SHALL COORDINATE AND PAY ALL COSTS ASSOCIATED WITH CONNECTING TO EXISTING WATER, SANITARY SEWER AND STORM SEWER FACILITIES. CONNECTIONS BETWEEN EXISTING INFRASTRUCTURE AND NEW WORK SHALL NOT BE MADE UNTIL NECESSARY INSPECTIONS AND TESTS HAVE BEEN COMPLETED ON THE NEW WORK IS FOUND TO CONFORM IN ALL RESPECTS TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS.
- UNLESS OTHERWISE NOTED, MATERIALS AND WORKMANSHIP FOR WATER, SANITARY SEWER AND STORM SEWER SHALL CONFORM TO THE STANDARD CONSTRUCTION SPECIFICATIONS.
- BEDDING AND BACKFILL. ALL PIPES SHALL BE BEDDED WITH MINIMUM 6-INCHES OF 3/4- INCH MINUS CRUSHED ROCK BEDDING AND BACKFILLED WITH COMPACTED 3/4-INCH MINUS 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 TRENCH BACKFILL SHALL BE USED UNDER ALL HARD SURFACED AREAS, INCLUDING SIDEWALKS. CRUSHED ROCK BEDDING SHALL BE PLACED TO FORM A CONTINUOUS AND UNIFORM BEARING SUPPORT FOR THE PIPE AT EVERY POINT BETWEEN JOINTS. PIPE ZONE MATERIAL SHALL BE FIRST PLACED UP TO THE SPRING LINE OF THE PIPE AND MATERIAL UNIFORMLY COMPACTED BY HAND TO INSURE PROPER SUPPORT WITHIN THE PIPE HAUNCHES. GRANULAR TRENCH BACKFILL SHALL BE COMPACTED TO 92 PERCENT OF THE MAXIMUM DRY DENSITY PER AASHTO T -180 TEST METHOD (MODIFIED PROCTOR).
- CONTRACTOR SHALL SUBMIT A TRENCH BEDDING AND BACKFILL COMPACTION TESTING SCHEDULE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS TO CITY OF STAYTON PUBLIC WORKS PRIOR TO CONSTRUCTION.
- 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 SHALL BE SMOOTH, FREE OF LOOSE MATERIALS OR TOOTH GROOVES FOR THE ENTIRE WIDTH OF THE TRENCH PRIOR TO PLACING THE GRANULAR BEDDING MATERIAL.
- CONTRACTOR SHALL ARRANGE FOR AND PAY ALL COSTS TO ABANDON EXISTING SEWER AND WATER SERVICES NOT SCHEDULED TO REMAIN IN SERVICE.
- ALL SITE UTILITIES ABANDONED IN PLACE SHALL HAVE ALL OPENINGS CLOSED WITH CONCRETE PUGS WITH A MINIMUM LENGTH OF 12-INCHES OR 2 TIMES THE DIAMETER OF THE ABANDONED PIPE, WHICHEVER IS LARGER.
- MINIMUM ALLOWABLE CLEARANCE BETWEEN PIPES AT CROSSINGS SHALL BE 6-INCHES.
- THE END OF ALL UTILITY STUBS SHALL BE MARKED WITH A 2X4, EXTENDING 2-FEET MINIMUM ABOVE FINISH GRADE, PAINTED AND WIRED TO PIPE STUB (PAINTED GREEN FOR SANITARY SEWER, WHITE FOR STORM). TYPE OF UTILITY (E. SEWER, STORM, ETC) AND DEPTH BELOW GRADE TO TOP OF PIPE SHALL BE CLEARLY AND PERMANENTLY LABELED ON THE MARKER POST.
- CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT AND FACILITIES REQUIRED FOR TESTING ALL UTILITY PIPING IN ACCORDANCE WITH THE STANDARD CONSTRUCTION SPECIFICATIONS.
- TRACER WIRE. ALL NON-METALLIC WATER, SANITARY AND STORM SEWER PIPING SHALL HAVE AN ELECTRICALLY CONDUCTIVE INSULATED 12 GAUGE COPPER TRACER WIRE THE FULL LENGTH OF THE INSTALLED PIPE USING BLUE WIRE FOR WATER AND GREEN FOR STORM AND SANITARY PIPING. TRACER WIRE SHALL BE EXTENDED UP INTO ALL VALVE BOXES, AND MANHOLES AND CATCH BASINS. 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.
- WARNING TAPE. UNDERGROUND DETECTABLE (FOR NON-METALLIC PIPING) OR NON- DETECTABLE (FOR METALLIC PIPING) ACID AND ALKALI RESISTANT SAFETY WARNING TAPE SHALL BE PROVIDED 12-INCHES MIN TO 18-INCHES MAX FROM FINISH GRADE ALONG THE FULL LENGTH OF ALL UTILITY SERVICE LATERALS AND ALONG ALL UTILITY MAINLINES. UNDERGROUND WARNING TAPE SHALL BE CONTINUOUS THE ENTIRE LENGTH OF SERVICE LATERALS INSTALLED FROM THE MAINLINE TO THE BACK OF THE PUE. MARKING TAPE COLOR SHALL BE IN ACCORDANCE WITH APWA UNIFORM COLOR CODE.
- NO TRENCHES IN ROADS OR DRIVEWAYS SHALL BE LEFT IN AN OPEN CONDITION OVERNIGHT. ALL SUCH TRENCHES SHALL BE BACKFILLED OR STEEL PLATED AS APPROVED BY THE CITY ENGINEER, BEFORE THE END OF EACH WORK DAY AND NORMAL TRAFFIC FLOWS RESTORED.

7. WATER

- OPERATION OF EXISTING VALVES, INCLUDING FIRE HYDRANTS, SHALL BE PERFORMED ONLY BY AUTHORIZED CITY STAFF. CONTRACTOR SHALL COORDINATE WITH THE CITY ACCORDINGLY.
- ALL WATER MAINS SHALL BE MINIMUM CLASS 52 DUCTILE IRON. ALL FITTINGS 4-INCHES THROUGH 24-INCHES IN DIAMETER SHALL BE DUCTILE IRON FITTINGS IN CONFORMANCE WITH AWWA C-153 OR AWWA C-110. THE MINIMUM WORKING PRESSURE FOR ALL MJ CAST IRON OR DUCTILE IRON FITTINGS 4-INCHES THROUGH 24-INCH IN DIAMETER SHALL BE 350 PSI FOR MJ FITTINGS AND 250 PSI FOR FLANGED FITTINGS.
- ALL WATER MAINS TO BE INSTALLED WITH A MINIMUM 36-INCH COVER TO FINISH GRADE UNLESS OTHERWISE NOTED OR DIRECTED. SERVICE LINES TO BE INSTALLED WITH A MINIMUM 30-INCHES COVER WITHIN THE RIGHT-OF-WAY. DEEPER DEPTHS MAY BE REQUIRED AS SHOWN ON THE PLANS OR TO AVOID OBSTRUCTIONS.
- THRUST RESTRAINT SHALL BE PROVIDED ON ALL BENDS, TEES AND OTHER DIRECTION CHANGES PER THE STANDAD DRAWINGS UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE PLANS. ALL VALVES SHALL BE FLANGE CONNECTED TO ADJACENT TEES OR CROSSES, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- WATER SERVICE PIPE ON THE PUBLIC SIDE OF THE METER SHALL BE TYPE K SOFT COPPER TUBING CONFORMING TO ASTM B-88. WATER SERVICE PIPE ON THE PRIVATE SIDE OF THE METER SHALL BE AS SPECIFIED PER THE OREGON PLUMBING SPECIALTY CODE.
- FIRE HYDRANT ASSEMBLIES SHALL BE KENNEDY K-81D GUARDIAN, WATEROUS 5-1/4 PACER, OR APPROVED EQUAL. FIRE HYDRANTS SHALL BE LOCATED TO ALLOW A MINIMUM OF 5-FEET CLEAR SPACE SURROUNDING ALL PORTIONS OF THE HYDRANT. THERE SHALL BE NO OBSTRUCTIONS DIRECTLY IN LINE WITH ANY OF THE PORTS OF THE HYDRANT FOR A DISTANCE OF 6-FEET.
- DOMESTIC AND FIRE BACKFLOW PREVENTION DEVICES AND VAULTS SHALL CONFORM TO REQUIREMENTS OF PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION.
- ALL NEW WATER LINES SHALL BE THOROUGHLY FLUSHED, PRESSURE TESTED, CHLORINATED AND BACTERIOLOGICALLY TESTED. POTABLE WATER TEST SHALL BE APPROVED BY THE CITY PRIOR TO ANY METERED SERVICE HOOKUP. CONTRACTOR SHALL INSTALL TEMPORARY PLUG AND BLOWOFF AS REQUIRED AT THE END OF WATERLINE FOR FLUSHING, TESTING AND CHLORINATION.

- THE WORK SHALL BE PERFORMED IN A MANNER DESIGNATED TO MAINTAIN WATER SERVICE TO BUILDINGS SUPPLIED FROM THE EXISTING WATERLINES. IN NO CASE SHALL SERVICE TO ANY MAIN LINE OR BUILDING BE INTERRUPTED FOR MORE THAN FOUR (4) HOURS IN ANYONE DAY. CONTRACTOR SHALL NOTIFY THE CITY AND ALL AFFECTED RESIDENTS AND BUSINESSES A MINIMUM OF FORTY-EIGHT (48) BUSINESS HOURS (2 WORKING DAYS) PRIOR TO ANY INTERRUPTION OF SERVICE.
- SANITARY SEWER AND WATERLINE CROSSINGS: WHERE SANITARY SEWER LINES CROSS ABOVE OR WITHIN 18-INCHES VERTICAL SEPARATION BELOW A WATERLINE, SEWER MAINS AND/OR LATERALS SHALL BE REPLACED WITH AWWA C-900 PVC PIPE (DR 18) AT THE CROSSING. CENTER ONE FULL LENGTH (20-FOOT) OF AWWA C-900 PVC PIPE AT POINT OF CROSSING. CONNECT TO EXISTING SEWER LINES WITH APPROVED RUBBER COUPLINGS. SANITARY SEWER CROSSINGS SHALL COMPLY WITH DHS REGULATIONS.

8. SANITARY SEWER

- UNLESS OTHERWISE SHOWN, SANITARY SEWER PIPE 4"-16" SHALL BE ASTM D-3034 PVC, MINIMUM SDR 35 AND 18"-30" SHALL BE ASTM F679 PVC, MINIMUM PS 46.
- ALL PRECAST MANHOLES SHALL BE PROVIDED WITH INTEGRAL RUBBER BOOT MANHOLE PIPE ADAPTER. WHERE MANHOLES WITH INTEGRAL MANHOLE PIPE ADAPTERS ARE NOT USED, A SHEAR JOINT SHALL BE PROVIDED ON ALL MAINLINES WITHIN 1.5-FEET OF THE OUTSIDE FACE OF THE MANHOLE. TAMPER-PROOF MANHOLE COVERS ARE REQUIRED ON ALL MANHOLES OUTSIDE OF PUBLIC RIGHT-OF-WAY.
- OPENINGS FOR CONNECTIONS TO EXISTING MANHOLES SHALL BE MADE BY CORE-- DRILLING THE EXISTING MANHOLE STRUCTURE AND INSTALLING A MANHOLE PIPE ADAPTER. CONNECTIONS TO BE WATERTIGHT AND SHALL PROVIDE A SMOOTH FLOW INTO AND THROUGH THE MANHOLE. SHALL CHIPPING HAMMERS OR SIMILAR LIGHT TOOLS WHICH WILL NOT DAMAGE OR CRACK THE MANHOLE BASE MAY BE USED TO SHAPE CHANNELS. USE OF LARGE PNEUMATIC JACKHAMMERS SHALL BE PROHIBITED. UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER, MANHOLE STEPS SHALL BE INSTALLED IN ANY MANHOLE TAPPED WHICH DOES NOT HAVE EXISTING STEPS.
- LEAKAGE TESTING. SANITARY SEWER PIPE AND APPURTENANCES SHALL BE TESTED FOR LEAKAGE. LEAKAGE TESTS SHALL INCLUDE AN AIR TEST OF ALL SEWER MAINS AND LATERALS PRIOR TO PAVING, AND A SEPARATE AIR TEST OF ALL SEWER MAINS AND LATERALS FOLLOWING EXCAVATION AND BACKFILLING OF ANY FRANCHISE UTILITY TRENCHES OR OTHER UTILITY WORK THAT CROSSES SANITARY SEWER LATERALS. ALL MANHOLES SHALL BE VACUUM TESTED FOLLOWING COMPLETION OF PAVING OR FINAL SURFACE RESTORATION. ALL TESTING SHALL CONFORM TO THE STANDARD CONSTRUCTION SPECIFICATIONS.
- CLEANING. PRIOR TO MANDREL TESTING AND/OR CCTV INSPECTION, FLUSH AND CLEAN ALL SEWERS, AND REMOVE ALL FOREIGN MATERIAL FROM THE MAINLINES AND MANHOLES. FAILURE TO CLEAN ALL DIRT, ROCK AND DEBRIS FROM PIPELINES PRIOR TO TV INSPECTION WILL RESULT IN THE NEED TO RE-CLEAN AND RE- CCTV THE SEWER LINES.
- MANDREL TESTING. CONTRACTOR SHALL CONDUCT DEFLECTION TEST OF FLEXIBLE SANITARY SEWER PIPES BY PULLING AN APPROVED MANDREL THROUGH THE COMPLETED PIPE LINE FOLLOWING TRENCH COMPACTION. THE DIAMETER OF THE MANDREL SHALL BE 95 PERCENT OF THE INITIAL PIPE DIAMETER. TEST SHALL BE CONDUCTED NOT MORE THAN 30 DAYS AFTER THE TRENCH BACKFILLING AND COMPACTION HAS BEEN COMPLETED.
- CCTV INSPECTION. UPON COMPLETION OF ALL SEWER CONSTRUCTION, TESTING AND REPAIR, THE CONTRACTOR SHALL CONDUCT A COLOR CLOSED-CIRCUIT TELEVISION (CCTV) ACCEPTANCE INSPECTION OF ALL MAINLINES IN ACCORDANCE WITH THE STANDARD CONSTRUCTION SPECIFICATIONS TO DETERMINE COMPLIANCE WITH GRADE REQUIREMENTS. THE CCTV INSPECTION SHALL BE CONDUCTED BY AN APPROVED TECHNICAL SERVICE WHICH IS EQUIPPED TO MAKE AUDIO-VISUAL RECORDINGS OF THE CCTV INSPECTIONS ON DVD (VHS VIDEO TAPE ACCEPTABLE ONLY UPON PRIOR WRITTEN APPROVAL BY CITY ENGINEER). UNLESS OTHERWISE REQUIRED BY THE AGENCY WITH JURISDICTION, A STANDARD 1-INCH DIAMETER BALL SHALL BE SUSPENDED IN FRONT OF THE CAMERA DURING THE INSPECTION TO DETERMINE THE DEPTH OF ANY STANDING WATER. SUFFICIENT WATER TO REVEAL LOW AREAS OR REVERSE GRADES SHALL BE DISCHARGED INTO THE PIPE IMMEDIATELY PRIOR TO INITIATION OF THE CCTV INSPECTION. THE DVD AND WRITTEN REPORT SHALL BE DELIVERED TO THE CITY ENGINEER.
- ALL SANITARY SERVICE LATERAL CONNECTIONS AT THE MAIN ARE TO BE SERVICE SADDLES (ROMAC STYLE "CS" SEWER SADDLE OR APPROVED EQUAL), UNLESS OTHERWISE NOTED.
- ALL SEWER SERVICE LATERALS SHALL EXTEND A MINIMUM OF 5-FEET BEYOND PUE INTO EACH LOT. THE MINIMUM GRADE FOR LATERALS SHALL BE 2 PERCENT EXCEPT WHERE APPROVED BY CITY. SANITARY SEWER SERVICE LATERALS SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE NOTED ON THE PLANS.

9. STORM DRAIN

- CONTRACTOR SHALL USE UNIFORM PIPE MATERIAL ON EACH PIPE RUN BETWEEN STRUCTURES. UNLESS OTHERWISE DIRECTED OR APPROVED. JOINTED HDPE PIPE SHALL NOT BE USED FOR SLOPES EXCEEDING 12 PERCENT.
- CATCH BASINS AND JUNCTION BOXES SHALL BE SET SQUARE WITH BUILDINGS OR WITH THE EDGE OF THE CURB, PARKING LOT, AND STREET WHEREIN THEY LIE. STORM DRAIN INLET STRUCTURES AND PAVING SHALL BE ADJUSTED SO WATER FLOWS INTO THE STRUCTURE WITHOUT PONDING WATER.
- UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER, ALL STORM DRAIN CONNECTIONS SHALL BE BY MANUFACTURED TEES OR SADDLES.
- STORM DRAINS SHALL BE LAID ON A STRAIGHT ALIGNMENT WITH UNIFORM GRADE BETWEEN STRUCTURES AND LAID UPGRADE WITH SPIGOT ENDS POINTING IN DIRECTION OF FLOW. ALL STORM PIPE JOINTS SHALL BE WATERTIGHT REGARDLESS OF SPECIFIED OR SELECTED MATERIAL.
- UNLESS OTHERWISE SPECIFIED OR DIRECTED, INSTALL STORM DRAIN PIPE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION GUIDELINES.
- CLEANING. PRIOR TO MANDREL TESTING OR FINAL ACCEPTANCE, FLUSH AND CLEAN ALL STORM DRAINS, AND REMOVE ALL FOREIGN MATERIAL FROM THE MAINLINES, MANHOLES AND CATCH BASINS.
- MANDREL TESTING. CONTRACTOR SHALL CONDUCT DEFLECTION TEST OF FLEXIBLE STORM SEWER PIPES BY PULLING AN APPROVED MANDREL THROUGH THE COMPLETED PIPE LINE FOLLOWING TRENCH COMPACTION. THE DIAMETER OF THE MANDREL SHALL BE 95 PERCENT OF THE INITIAL PIPE DIAMETER. TEST SHALL BE CONDUCTED NOT LESS THAN 30 DAYS AFTER THE TRENCH BACKFILLING AND COMPACTION HAS BEEN COMPLETED.

10. STREET LIGHTS

- STREET LIGHTS SHALL BE INSTALLED AFTER ALL OTHER EARTHWORK AND PUBLIC UTILITY INSTALLATIONS ARE COMPLETED AND AFTER ROUGH GRADING OF THE PROPERTY IS ACCOMPLISHED TO PREVENT DAMAGE TO THE POLES.
- STREET LIGHT POLES SHALL BE SET TO A DEPTH AS SPECIFIED BY THE MANUFACTURER, BUT NOT LESS THAN 5-FEET.
- STREETS LIGHT POLES AND ARMS SHALL CONFORM TO THE STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD DRAWINGS. POLES SHALL BE INSTALLED WITHIN ONE (1) DEGREE OF PLUMB.

11. FRANCHISE UTILITIES

- UNLESS OTHERWISE SHOWN ON THE PLANS AND APPROVED IN WRITING BY ALL JURISDICTIONS HAVING AUTHORITY, NEW AND RELOCATED PRIVATE UTILITIES (POWER, CABLE, TELEPHONE AND GAS) SHALL BE INSTALLED UNDERGROUND IN CONJUNCTION WITH THE DEVELOPMENT.

- CONTRACTOR SHALL COORDINATE WITH GAS, POWER, TELEPHONE, AND CABLE COMPANY FOR LOCATION OF CONDUITS IN COMMON TRENCHES, AS WELL AS LOCATION OF VAULTS, PEDESTALS, ETC. UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY, ALL ABOVE- GRADE FACILITIES SHALL BE LOCATED IN PUES (WHERE PUES EXIST OR WILL BE GRANTED BY THE DEVELOPMENT), AND OTHERWISE SHALL BE PLACED IN A LOCATION OUTSIDE THE PROPOSED SIDEWALK LOCATION. INSTALLATION OF PRIVATE UTILITIES IN A COMMON TRENCH WITH OR WITHIN 3 FEET HORIZONTALLY OF PARALLELING WATER, SANITARY SEWER OR STORM DRAINS IS PROHIBITED.
- POWER, TELEPHONE AND CABLE TRENCHING AND CONDUITS SHALL BE INSTALLED PER UTILITY COMPANY REQUIREMENTS WITH FULL WIRE. CONTRACTOR SHALL VERIFY WITH UTILITY COMPANY FOR SIZE, LOCATION AND TYPE OF CONDUIT PRIOR TO CONSTRUCTION, AND SHALL ENSURE THAT TRENCHES ARE ADEQUATELY PREPARED FOR INSTALLATION PER UTILITY COMPANY REQUIREMENTS. ALL CHANGES IN DIRECTION OF UTILITY CONDUIT RUNS SHALL HAVE LONG RADIUS STEEL BENDS.
- CONTRACTOR SHALL NOTIFY AND COORDINATE WITH PRIVATE UTILITIES FOR RELOCATION OF POWER POLES, VAULTS, ETC. TO AVOID CONFLICT WITH CITY UTILITY STRUCTURES, FIRE HYDRANTS, METERS, SEWER OR STORM LATERALS, ETC.

12. COMPACTION AND DENSITY REQUIREMENTS

- COMPACTION SHALL BE BY MECHANICAL MEANS FOR ALL TYPES OF MATERIALS. COMPACTIONS EQUIPMENT FOR GRANULAR MATERIALS SHALL BE ADEQUATE TO OBTAIN THE AMOUNT OF COMPACTIONS SHOWN. COMPACTION EQUIPMENT SHALL BE OPERATED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS AND SHALL BE MAINTAINED IN SUCH CONDITION THAT IT WILL DELIVER THE MANUFACTURER'S RATED COMPACTIVE EFFORT.
- ALL COMPACTION AND IN-PLACE DENSITY AND MOISTURE TESTS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE ODOT/APWA STANDARD CONSTRUCTION SPECIFICATIONS AND AASHTO STANDARD SPECIFICATIONS.

<u>ENGINEERED FILL:</u>	
MINIMUM PERCENT COMPACTION REQUIRED	95 PERCENT
TEST METHOD REQUIRED TO DETERMINE MAXIMUM DENSITY	AASHTO T-180
FREQUENCY OF DENSITY TESTING	8-INCH LIFTS, 3 TEST FOR EACH 2- FEET OF FILL PLACED
<u>ROAD SECTION - EMBANKMENT:</u>	
MINIMUM PERCENT COMPACTION REQUIRED	95 PERCENT
TEST METHOD REQUIRED TO DETERMINE MAXIMUM DENSITY	AASHTO T-180
FREQUENCY OF DENSITY TESTING OF EMBANKMENT	8-INCH LIFTS, 3 TESTS FOR EACH 2- FEET OF EMBANKMENT PLACED
<u>ROAD SECTION - SUBGRADE:</u>	
MINIMUM PERCENT COMPACTION REQUIRED	95 PERCENT
MINIMUM PERCENT COMPACTION REQUIRED TO WHAT DEPTH BELOW SUBGRADE	12-INCHES
TEST METHOD REQUIRED TO DETERMINE MAXIMUM DENSITY	AASHTO T-180
FREQUENCY OF DENSITY TESTING OF SUBGRADE	AS NEEDED
<u>ROAD SECTION - ASPHALT PAVEMENT:</u>	
MINIMUM PERCENT COMPACTION REQUIRED	95 PERCENT
TEST METHODS REQUIRED TO DETERMINE MAXIMUM DENSITY	AASHTO T-180
FREQUENCY OF DENSITY TESTING OF AGGREGATE BASE	8-INCH LIFTS, 150-FEET INTERVALS OR AS NEEDED
<u>ROAD SECTION - ASPHALT PAVEMENT:</u>	
MINIMUM PERCENT COMPACTION REQUIRED	91 PERCENT
TEST METHOD REQUIRED TO DETERMINE MAXIMUM DENSITY	AASHTO T-209
FREQUENCY OF DENSITY TESTING OF ASPHALT PAVEMENT	5 TESTS MINIMUM* AVERAGE DENSITY
FULL TIME INSPECTION OR SPOT CHECKING OF COMPACTION	SPOT, OR AS SHOWN ON PLANS
<u>UTILITY TRENCH: (BENEATH PAVEMENT AND SIDEWALK)</u>	
MINIMUM PERCENT COMPACTION REQUIRED FOR BEDDING AND PIPE ZONE	90 PERCENT
MINIMUM PERCENT COMPACTION REQUIRED FOR TRENCH BACKFILL ABOVE THE PIPE ZONE	92 PERCENT BELOW TOP 5- FEET OF TRENCH BACKFILL 95 PERCENT WITHIN TOP 5- FEET OF TRENCH BACKFILL
MINIMUM PERCENT COMPACTION REQUIRED IN UNIMPROVED, NON-ENGINEERED FILL AREAS	90 PERCENT
TEST METHOD REQUIRED TO DETERMINE MAXIMUM DENSITY	AASHTO T-180

ADDITIONAL INFORMATION/COMMENTS:  
\*WHEN USING NUCLEAR GAUGE, TWO READINGS AT EACH SITE, THE SECOND AT RIGHT ANGLES TO THE FIRST. THE TWO READING WILL BE AVERAGED TO OBTAIN TEST DENSITY.

13. EROSION CONTROL NOTES

A. GENERAL

- APPROVAL OF THE EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.)
- THE IMPLEMENTATION OF THE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADE OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- THE ESC FACILITIES SHOWN ON THE PLANS MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
- THE ESC FACILITIES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT LEAVE THE SITE.
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A STORM EVENT.
- AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.

SEE SHEET C001-B FOR CONTINUATION

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W IDA ST. - SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON  
MARION COUNTY TAX MAPS

CITY OF STAYTON  
GENERAL NOTES

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW  
DATE: 03/12/2024

REGISTERED PROFESSIONAL  
ENGINEER  
79184PE  
DIGITALLY SIGNED  
OREGON  
JUNE 2, 2017  
RICHARD C. WALKER

EXPIRES: JUNE 30, 2024  
REVISIONS

JOB NUMBER  
9158-02

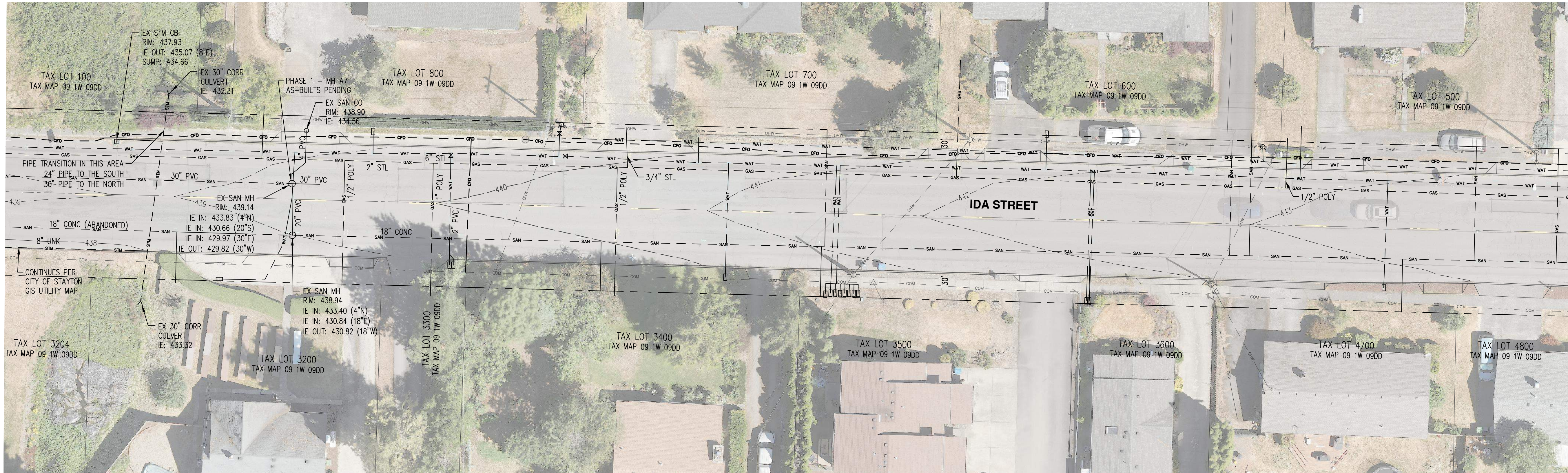
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C001-A







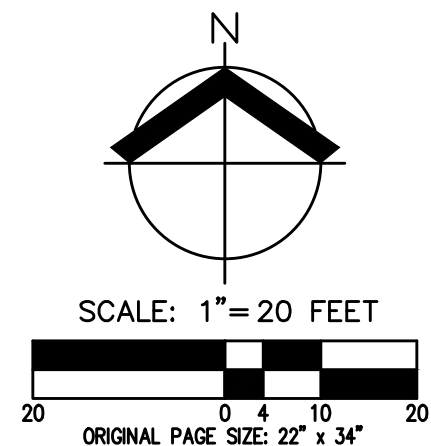
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CONTINUED ON SHEET C003

NOTES:

- UTILITIES SHOWN ARE BASED ON UNDERGROUND UTILITY LOCATE MARKINGS AS PROVIDED BY OTHERS, PROVIDED PER UTILITY LOCATE TICKET NUMBERS 23208926, 23208927, 23208928, AND 23208929. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND LOCATES REPRESENT THE ONLY UTILITIES IN THE AREA. CONTRACTORS ARE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
- FIELD WORK WAS CONDUCTED BETWEEN JULY AND AUGUST 2023.
- VERTICAL DATUM: ELEVATIONS ARE BASED ON NGS BENCHMARK NO. 37, POINT ID: QE0391. LOCATED AT THE NORTHWEST CORNER OF FIRST AND WEST WATER STREETS, 0.2 MILES NORTH OF NORTH SANTIAM RIVER BRIDGE. ELEVATION = 451.61 FEET (NAVD 88).
- HORIZONTAL DATUM: A LOCAL DATUM PLANE DERIVED FROM STATE PLANE OREGON NORTH 3601 NAD83(2011) EPOCH 2010.0000 BY MULTIPLYING BY A PROJECT MEAN GROUND COMBINED SCALE FACTOR OF 1.00010400307495 AT A CENTRAL PROJECT POINT WITH INTERNATIONAL FEET STATE PLANE GRID COORDINATES N:420705.963 E:7602359.755 AND A MERIDIAN CONVERGENCE ANGLE OF -1'38\"/>



EXISTING CONDITIONS  
PLAN

W IDA STREET  
SS REPLACEMENT

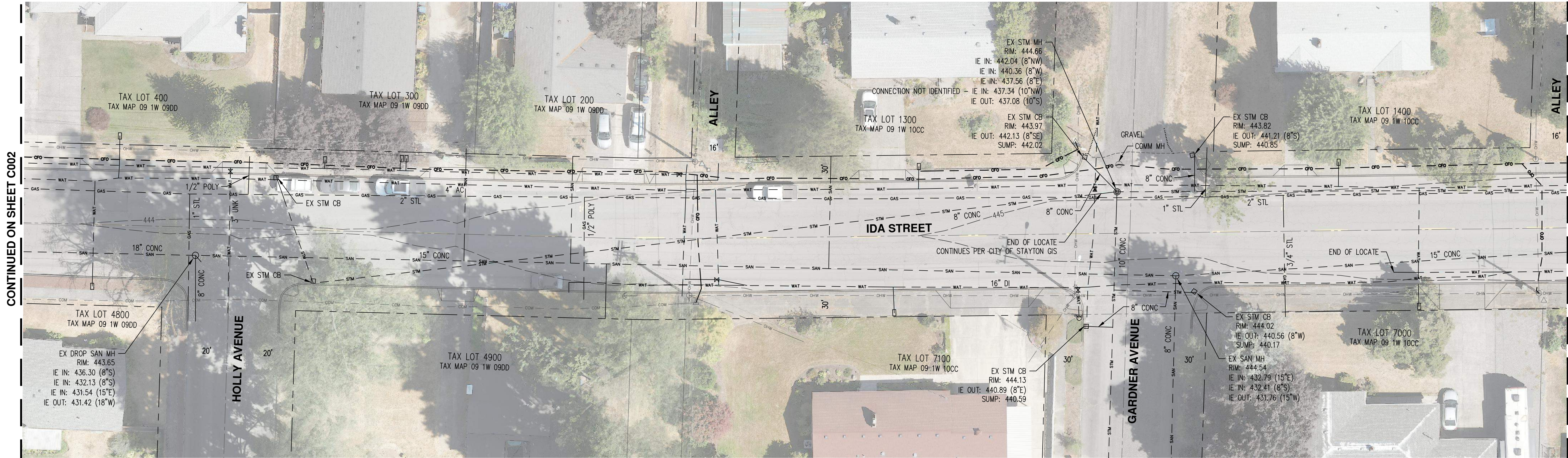
STAYTON OREGON

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DESIGNED BY:	
DRAWN BY:	AC
MANAGED BY:	JS
CHECKED BY:	BH
DATE:	03/01/2024
REGISTERED PROFESSIONAL LAND SURVEYOR	
DIGITALLY SIGNED	
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OREGON NOVEMBER 9, 2021 JOSEPH F. SULLIVAN 86458LS	
RENEWS: 6/30/2024	
REVISIONS	
JOB NUMBER 9158-02	
SHEET C002	





CONTINUED ON SHEET C002

CONTINUED ON SHEET C004

**W IDA STREET  
SS REPLACEMENT**

**STAYTON OREGON**

MARION COUNTY TAX MAPS 09 1W 10CC, 09 1W 10CD, 09 1W 10CB, AND 09 1W 10CA

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**EXISTING CONDITIONS  
PLAN**

DESIGNED BY: \_\_\_\_\_  
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MANAGED BY: JS  
CHECKED BY: BH  
DATE: 03/01/2024

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

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OREGON  
NOVEMBER 9, 2021  
JOSEPH F. SULLIVAN  
86458LS  
RENEWS: 6/30/2024

REVISIONS

JOB NUMBER  
**9158-02**

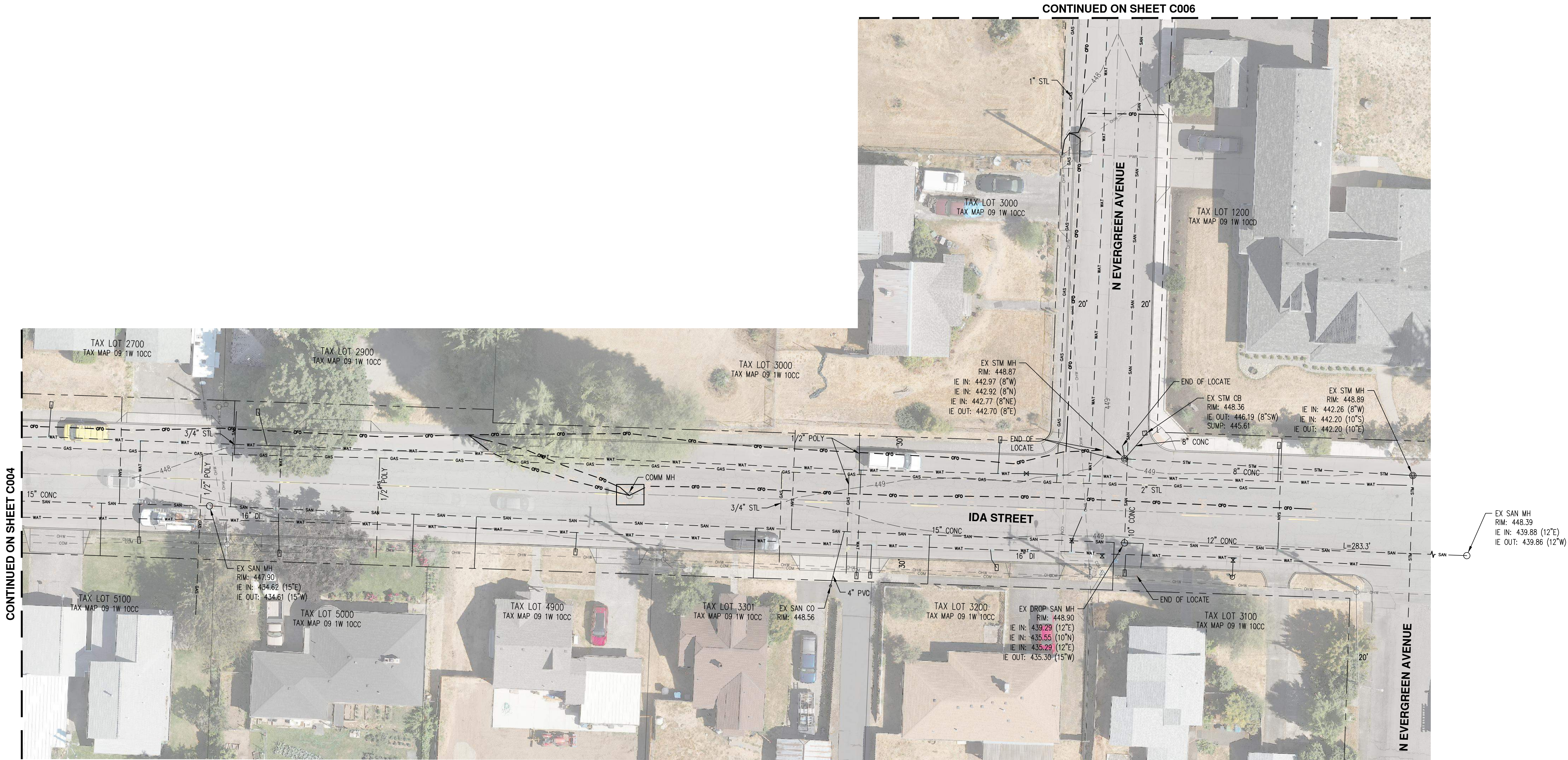
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**W IDA STREET  
SS REPLACEMENT**

**STAYTON OREGON**

MARION COUNTY TAX MAPS 09 1W 10CC, 09 1W 10CD, 09 1W 10CB, AND 09 1W 10CA

**EXISTING CONDITIONS  
PLAN**

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DRAWN BY:	AC
MANAGED BY:	JS
CHECKED BY:	BH
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DIGITALLY SIGNED	
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OREGON NOVEMBER 9, 2021 JOSEPH F. SULLIVAN 86458LS	
RENEW: 6/30/2024	
REVISIONS	
JOB NUMBER 9158-02	
SHEET C005	

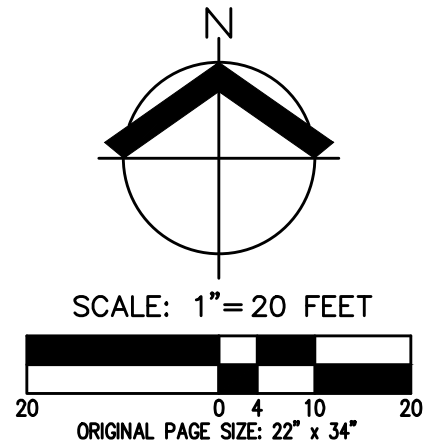
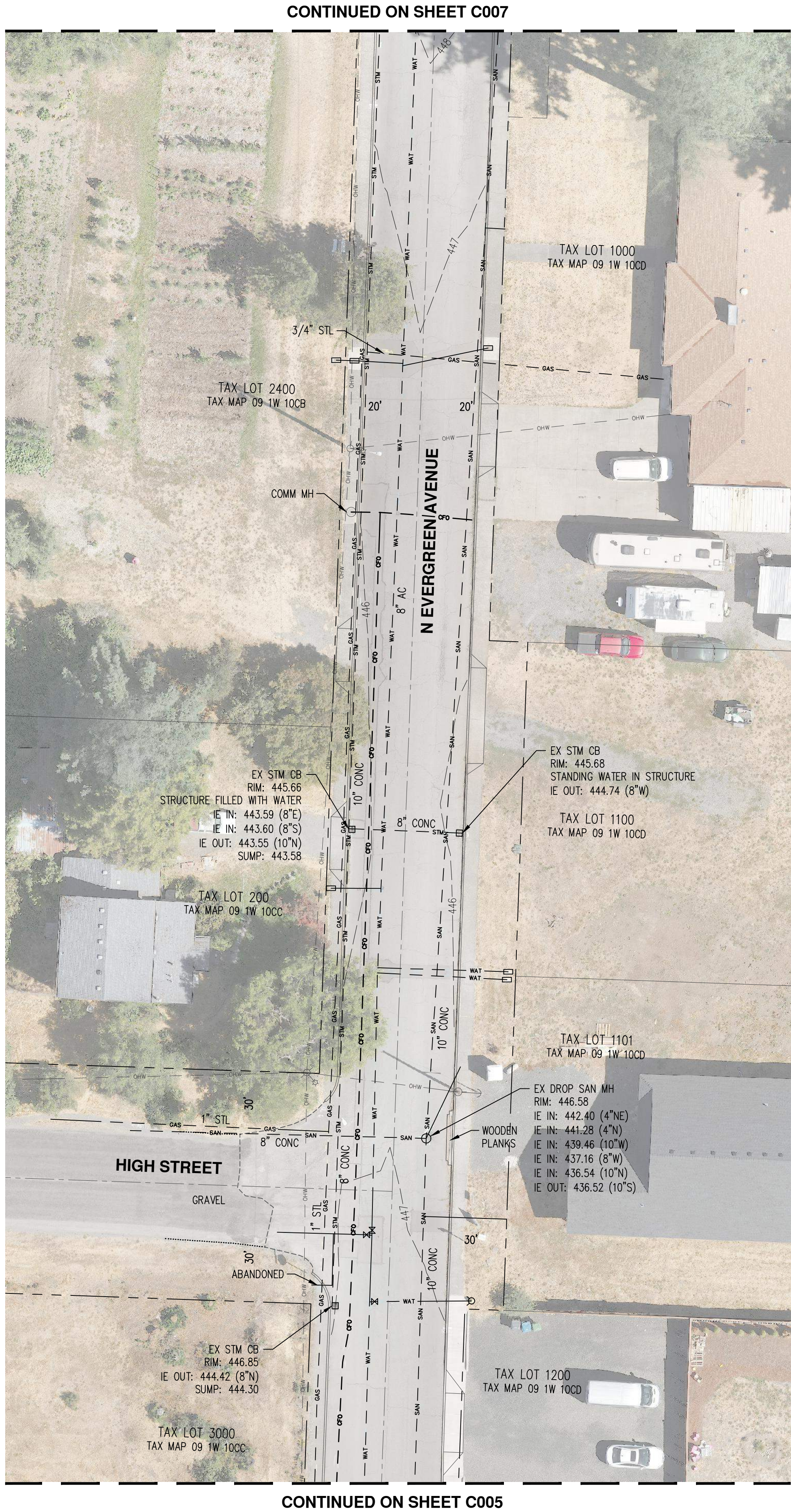
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EXISTING CONDITIONS  
PLAN

WIDA STREET  
SS REPLACEMENT

STAYTON OREGON

MARION COUNTY TAX MAPS 09 1W 10CC, 09 1W 10CD, 09 1W 10CB, AND 09 1W 10CA

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DESIGNED BY: \_\_\_\_\_  
DRAWN BY: AC  
MANAGED BY: JS  
CHECKED BY: BH  
DATE: 03/01/2024

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

DIGITALLY SIGNED  
03/01/2024 2:08:37 PM

OREGON  
NOVEMBER 9, 2021  
JOSEPH F. SULLIVAN  
86458LS  
RENEWS: 6/30/2024

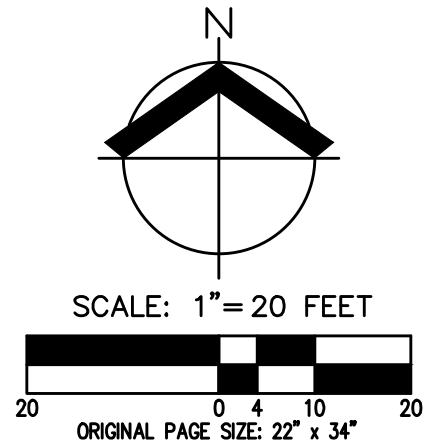
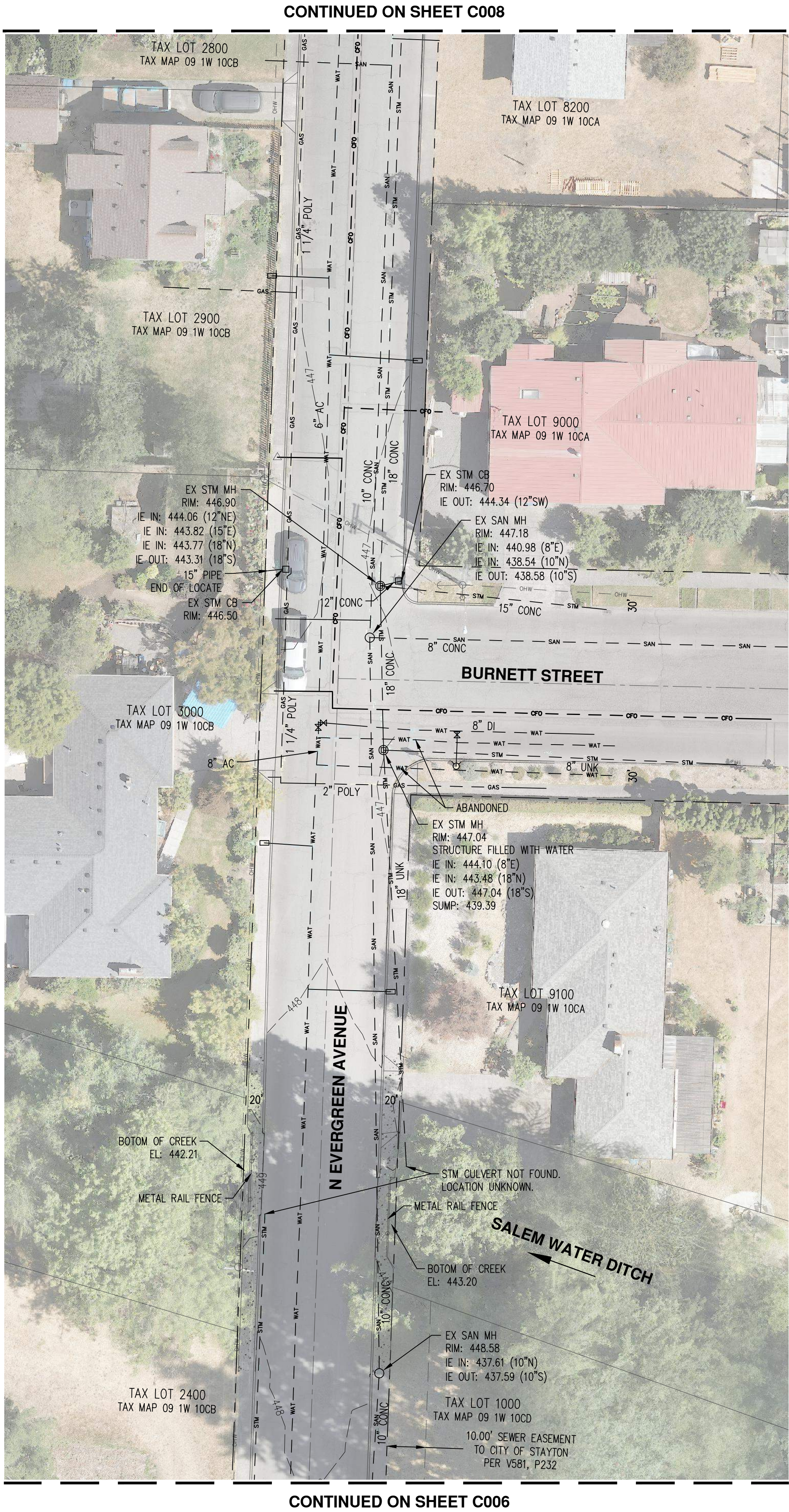
REVISIONS

JOB NUMBER  
9158-02

SHEET  
C006



AKS DRAWING FILE: 9158-02EXCOND.DWG | LAYOUT: C007



EXISTING CONDITIONS  
PLAN

WIDA STREET  
SS REPLACEMENT

STAYTON OREGON

MARION COUNTY TAX MAPS 09 1W 10CD, 09 1W 10CB, AND 09 1W 10CA

DESIGNED BY: \_\_\_\_\_  
DRAWN BY: AC  
MANAGED BY: JS  
CHECKED BY: BH  
DATE: 03/01/2024  
REGISTERED  
PROFESSIONAL  
LAND SURVEYOR  
DIGITALLY SIGNED  
03/01/2024 2:08:51 PM  
OREGON  
NOVEMBER 9, 2021  
JOSEPH F. SULLIVAN  
86458LS  
RENEWS: 6/30/2024

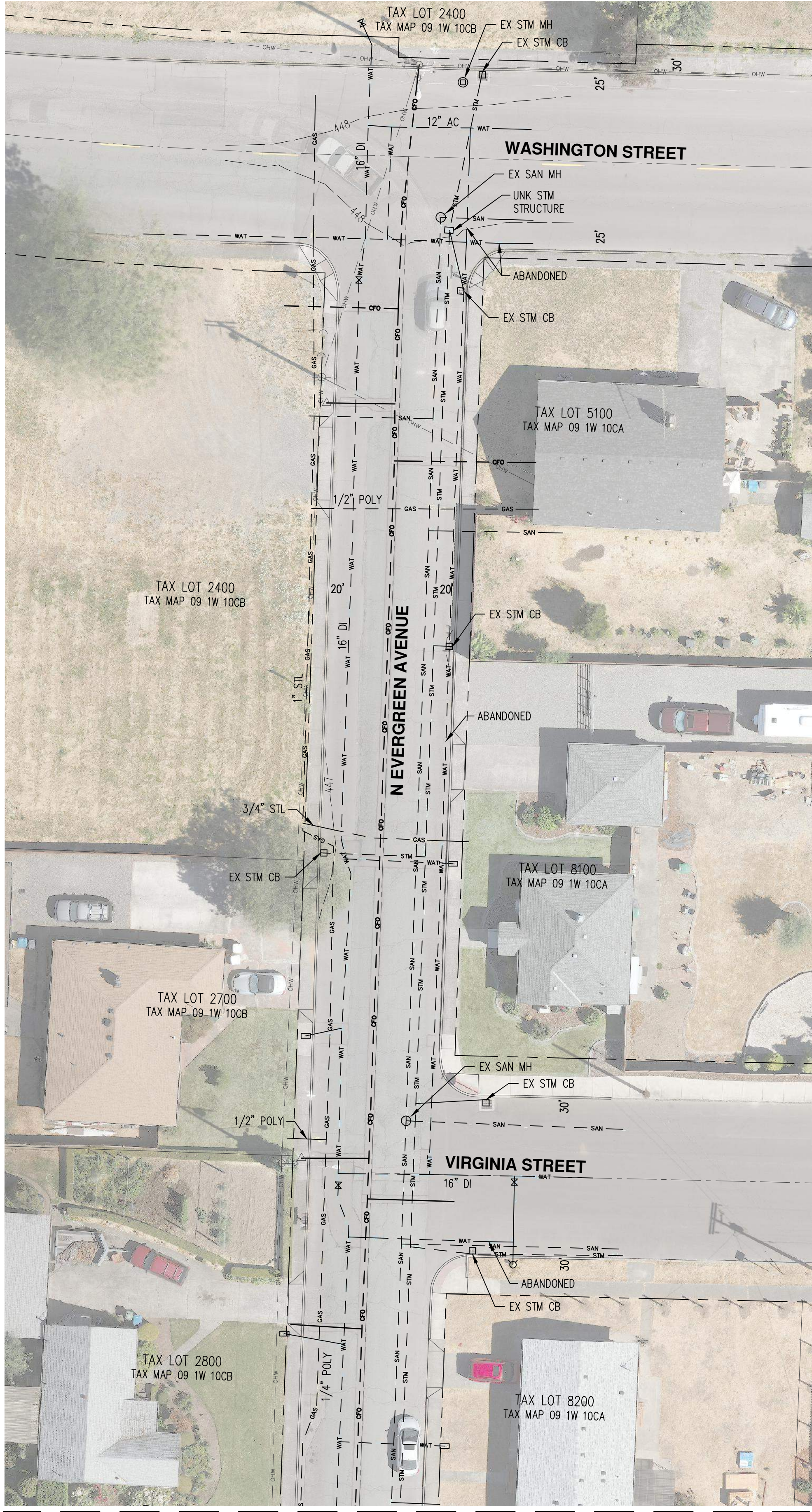
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9158-02

SHEET  
C007

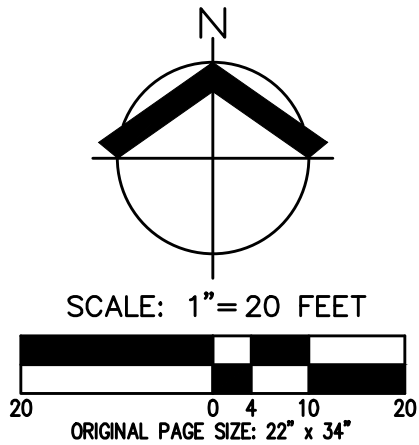
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CONTINUED ON SHEET C007



EXISTING CONDITIONS  
PLAN

WIDA STREET  
SS REPLACEMENT

STAYTON OREGON

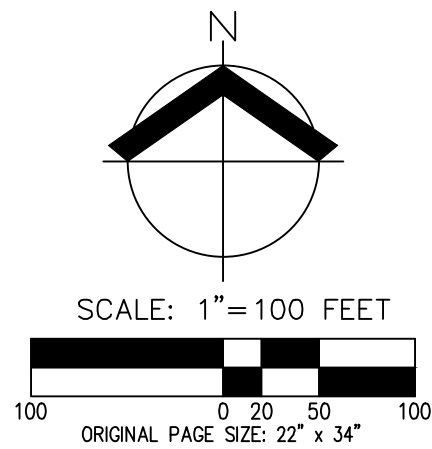
MARION COUNTY TAX MAPS 09 1W 10CC, 09 1W 10CD, 09 1W 10CB, AND 09 1W 10CA

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DESIGNED BY:	
DRAWN BY:	AC
MANAGED BY:	JS
CHECKED BY:	BH
DATE: 03/01/2024	
REGISTERED PROFESSIONAL LAND SURVEYOR	
DIGITALLY SIGNED	
03/01/2024 2:09:06 PM	
OREGON NOVEMBER 9, 2021 JOSEPH F. SULLIVAN 86458LS	
RENEWS: 6/30/2024	
REVISIONS	
JOB NUMBER	9158-02
SHEET	C008





W IDA ST. SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON OREGON

SITE MAP

DESIGNED BY:	BTW
DRAWN BY:	BTW
MANAGED BY:	RCW
CHECKED BY:	RCW

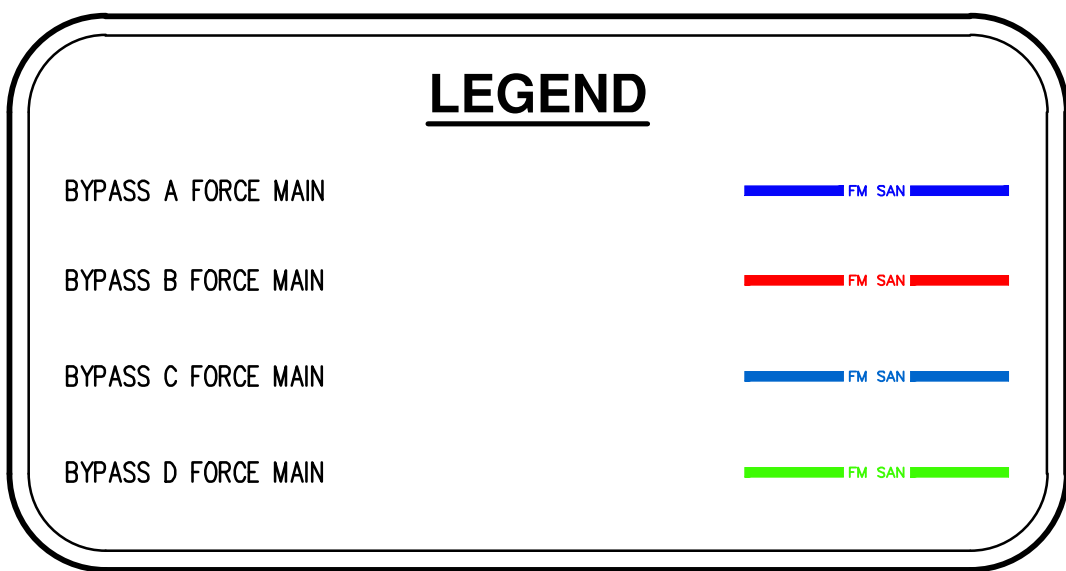
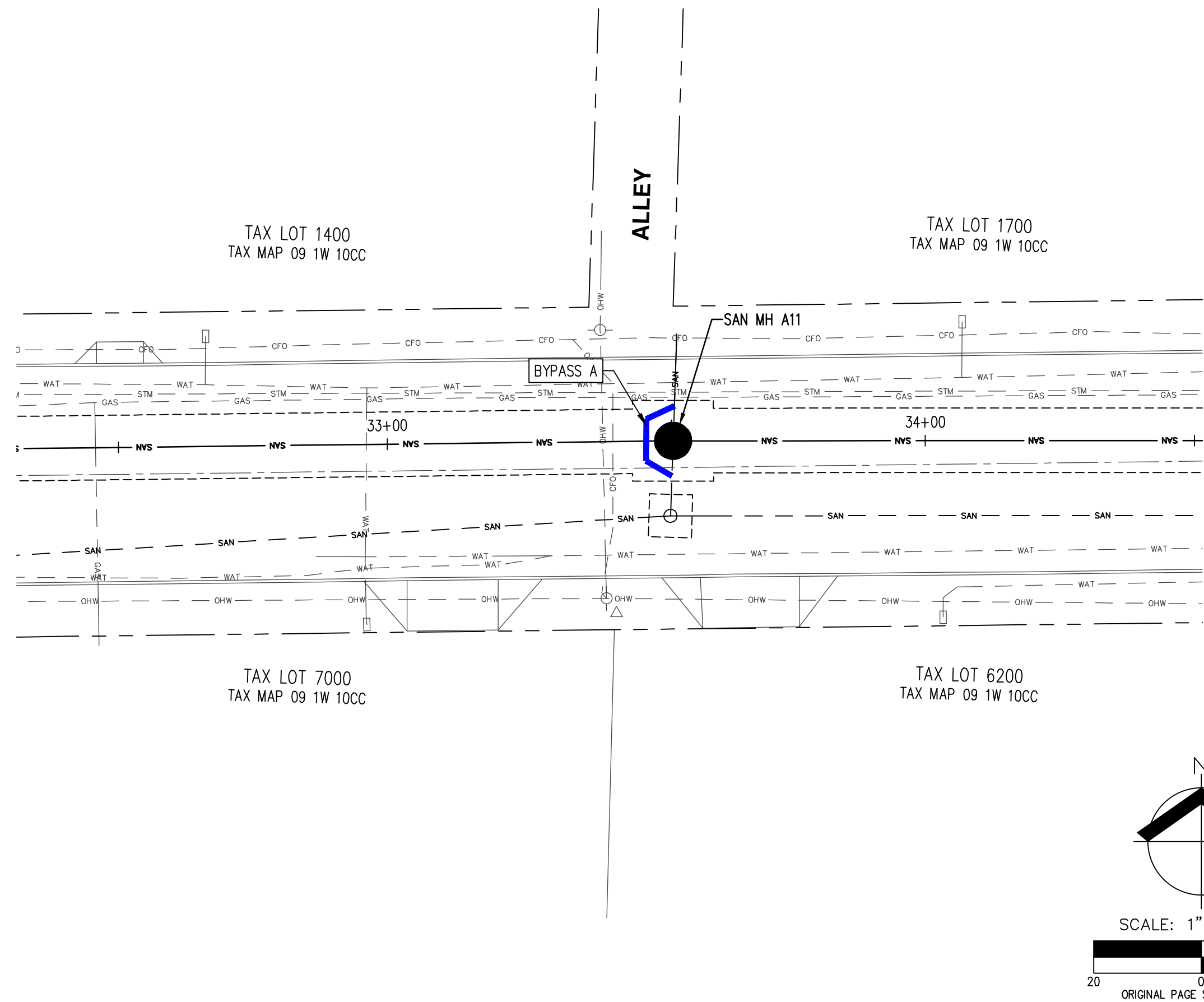
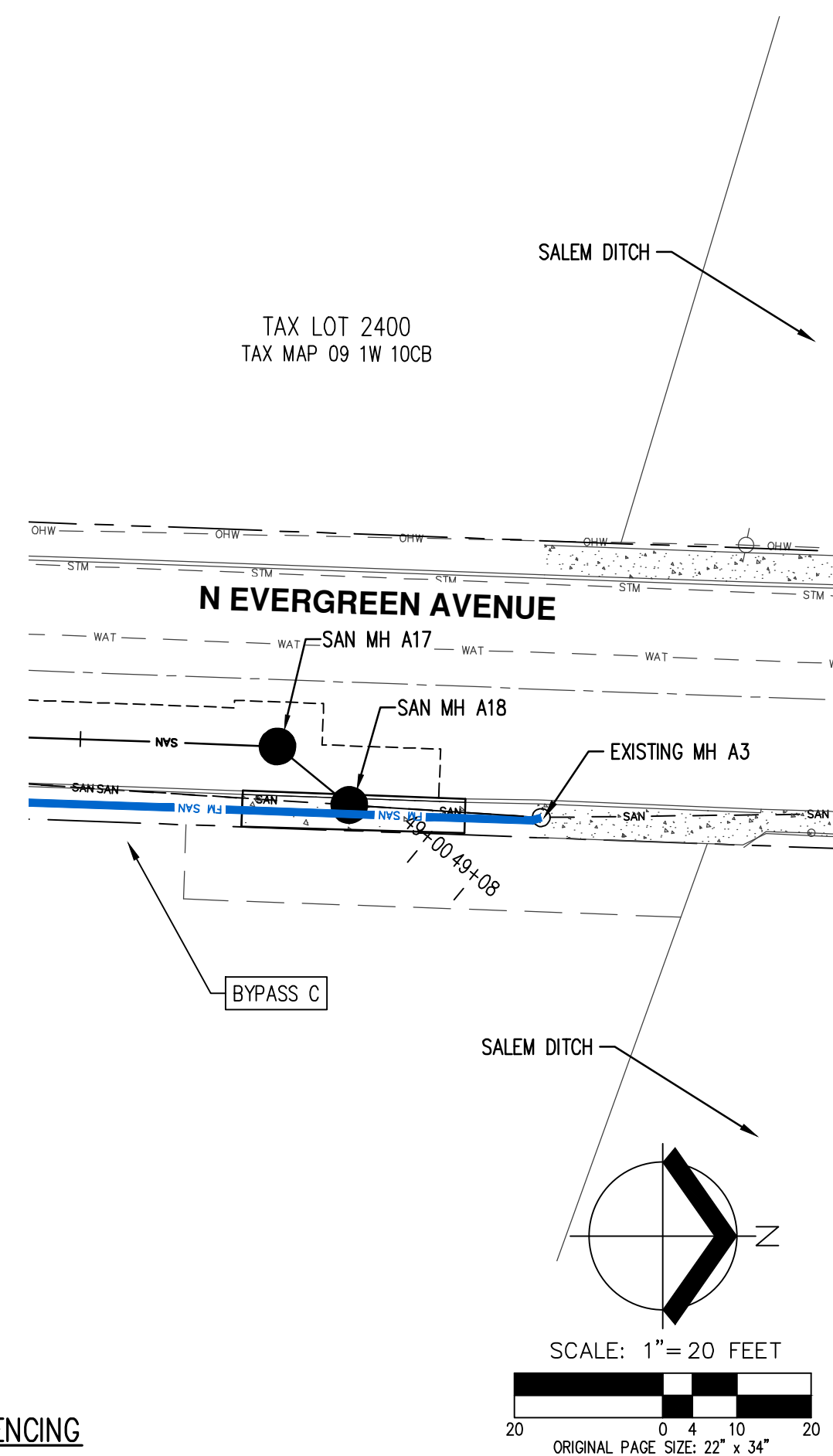
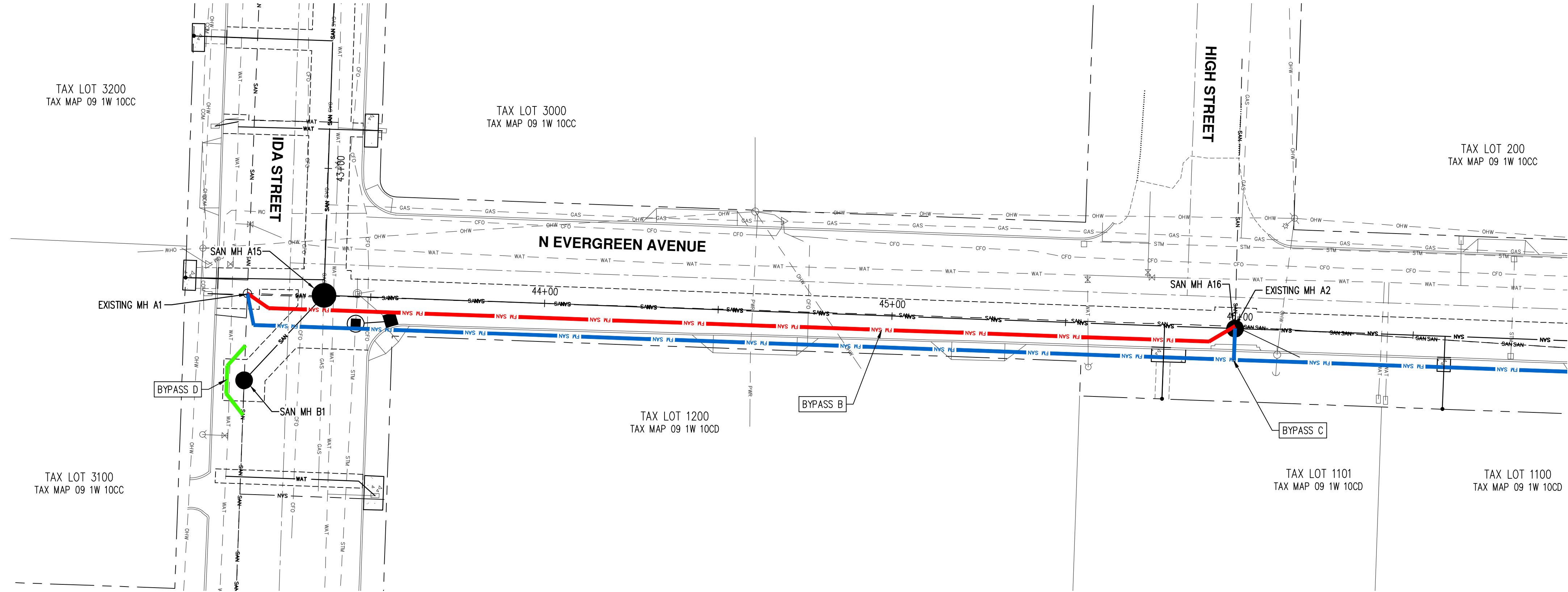
DATE: 03/12/2024

**REGISTERED PROFESSIONAL ENGINEER**  
79184PE  
**DIGITALLY SIGNED**  
JUNE 2, 2011  
RICHARD C. WALKER  
EXPIRES: JUNE 30, 2024

JOB NUMBER	9158-02
SHEET	C010



AKS DRAWING FILE: 9158-02 BYPASS PLANDWG | LAYOUT: C020



**TEMPORARY BYPASS SEQUENCING**

**BYPASS A:**

1. INSTALL TEMPORARY BYPASS A AND CONSTRUCT MH A11. DO NOT REMOVE BYPASS UNTIL MAIN LINE HAS BEEN TESTED.
2. REMOVE BYPASS A.

**BYPASS B:**

1. INSTALL TEMPORARY BYPASS FROM EXISTING MH A1 TO EXISTING MH A2.
2. CONSTRUCT NEW SANITARY SEWER MAIN FROM SAN MH A15 TO JUST BEFORE SAN MH A16. TEMPORARY BYPASS WILL NEED TO BE IN PLACE BEFORE MH A15 CAN BE CONSTRUCTED.
3. REMOVE BYPASS B AND INSTALL BYPASS C.

**BYPASS C:**

1. CONSTRUCT SAN MH A16 AND NEW SANITARY SEWER MAIN UP TO SAN MH A18.
2. TEST NEW SANITARY SEWER FROM MH A15 TO MH A18.
3. REMOVE BYPASS C

**BYPASS D:**

1. INSTALL TEMPORARY BYPASS D AROUND MH B1 LOCATION AND INSTALL MH B1.
2. REMOVE BYPASS D.

**TEMPORARY BYPASS GENERAL NOTES:**

1. THIS TEMPORARY BYPASS PLAN IS CONCEPTUAL AND WAS DEVELOPED ONLY TO ASSIST IN OBTAINING PERMIT APPROVALS FROM RELEVANT JURISDICTIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR PLANNING AND EXECUTING A TEMPORARY BYPASS PLAN THAT MEETS ALL RELEVANT JURISDICTIONAL REQUIREMENTS. SUBMIT THE TEMPORARY BYPASS PLAN TO THE PROJECT ENGINEER/CITY FOR REVIEW AND APPROVAL BEFORE IMPLEMENTING.
3. AT THE END OF EACH WORK SHIFT, BYPASS PUMPING SHALL CEASE AND GRAVITY FLOW SHALL RESUME. CONTRACTOR SHALL COORDINATE WITH CITY FOR ANY OVERNIGHT BYPASS PUMPING.
4. SANITARY SEWER SERVICE LATERALS SHALL REMAIN ACTIVE AT ALL TIMES UNLESS THEY ARE BEING ACTIVELY WORKED ON TO BE CONNECTED TO THE NEW SANITARY SEWER MAIN. PROPERTY OWNERS SHALL BE NOTIFIED BEFORE WORK BEGINS.
5. CONTRACTOR SHALL ADHERE TO THE TEMPORARY BYPASS PUMPING PWSCS SECTION 204 AND ANY ADDITIONAL SPECIAL PROVISIONS.
6. POTENTIAL PEAK FLOW: 843 GPM BASED ON FLOW DATA INCLUDED IN CITY OF STAYTON WASTEWATER MASTER PLAN.

**W IDA ST. SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON**

**TEMPORARY BYPASS  
CONCEPT PLAN**

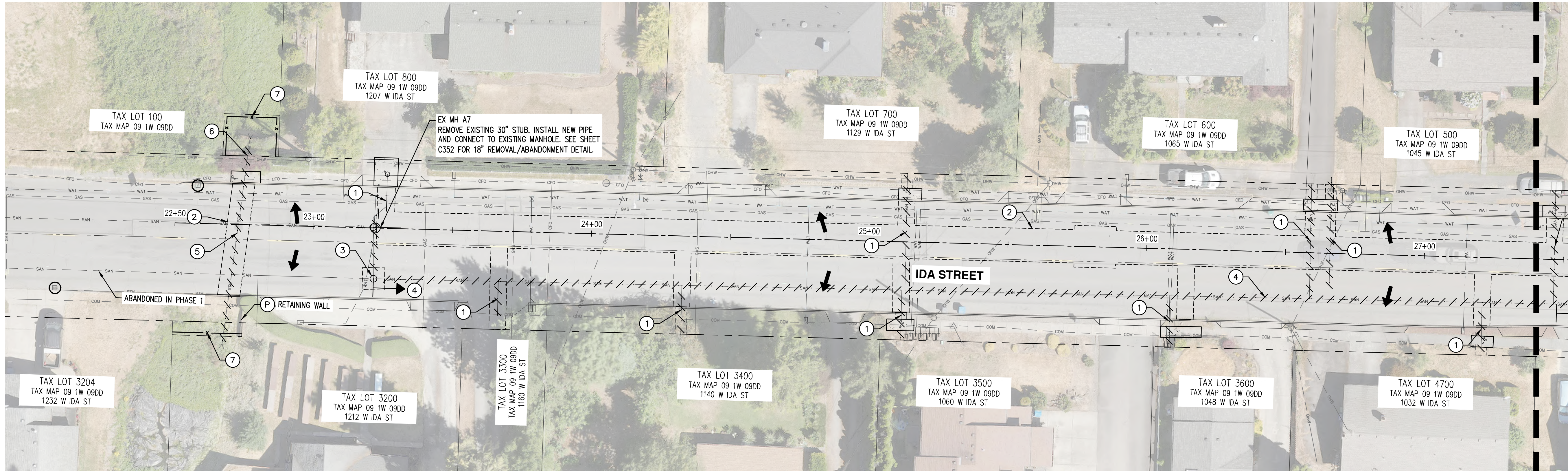
DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW  
DATE: 03/12/2024

**FOR  
REFERENCE  
ONLY**

REVISIONS  
  
JOB NUMBER  
**9158-02**  
SHEET  
**C020**

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MARION COUNTY TAX MAPS





SEE SHEET C051 FOR CONTINUATION

**EROSION AND SEDIMENT CONTROL GENERAL NOTES:**

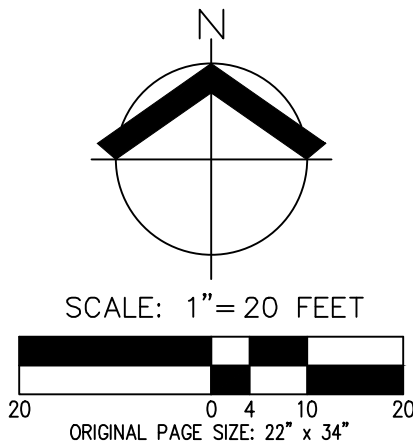
1. THIS EROSION AND SEDIMENT CONTROL PLAN SHOWS MEASURES FOR ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL MODIFY AND/OR ADD EROSION CONTROL MEASURES AS SITE CONDITIONS DICTATE.

**LEGEND**

DISTURBED AREA LIMITS  
ABANDON OR REMOVE EXISTING PIPE  
STRAW WATTLE OR OTHER BMP  
INLET PROTECTION  
DRAINAGE FLOW DIRECTION  
REMOVE EXISTING SIDEWALK

**DEMOLITION KEYED NOTES:**

1. REMOVE/ABANDON SANITARY SEWER LATERAL TO BE REMOVED/REPLACED AS REQUIRED FOR UTILITY CONSTRUCTION. CONTRACTOR SHALL NOTIFY PROPERTY OWNER BEFOREHAND WHEN THE LATERAL SERVICE WILL BE OFFLINE, WHEN THE LATERAL HAS BEEN TAKEN OFFLINE, AND WHEN IT HAS BEEN RECONNECTED. COORDINATE WITH CITY INSPECTOR AS NECESSARY.
  2. APPROXIMATE PAVEMENT SAWCUT LIMITS. FINAL LIMITS TO BE DETERMINED WITH CITY INSPECTOR
  3. ABANDON EXISTING MANHOLE IN PLACE. CONTRACTOR SHALL REMOVE THE FRAME AND COVER ASSEMBLY, CONE, AND INTERMEDIATE RISER SECTIONS TO A DEPTH OF 8-FT BELOW FINISH SURFACE GRADE AS SPECIFIED IN THE CITY OF STAYTON PUBLIC WORKS CONSTRUCTION SPECIFICATIONS (2021) SECTION 503.03.E.2.
  4. ABANDON EXISTING SANITARY SEWER MAIN IN PLACE AND FILL WITH SAND/CONTROLLED DENSITY FILL. CONTRACTOR SHALL ADHERE TO SECTION 503 OF THE CITY OF STAYTON PUBLIC WORKS CONSTRUCTION SPECIFICATIONS (2021) AND SECTION 00490.43 OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
  5. REMOVE EXISTING 24"/30" CULVERT AND DISPOSE OFFSITE. REPLACE AS SHOWN ON SHEET C200.
  6. REMOVE AND REPLACE EXISTING SEGMENTED LANDSCAPE WALL AS NECESSARY FOR CULVERT CONSTRUCTION. RESTORE TO EXISTING OR BETTER CONDITION.
  7. INSTALL STRAW WATTLES, OR OTHER BMP, AROUND WORK ZONE FOR SEDIMENT CONTROL AND CONTAINMENT.
  8. (NOT USED)
  9. (NOT USED)
  10. (NOT USED)
  11. (NOT USED)
  12. (NOT USED)
  13. (NOT USED)
  14. (NOT USED)
- (P) PROTECT AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.



**DEMOLITION, EROSION  
AND SEDIMENT CONTROL  
PLAN STA 22+50 TO 27+50**

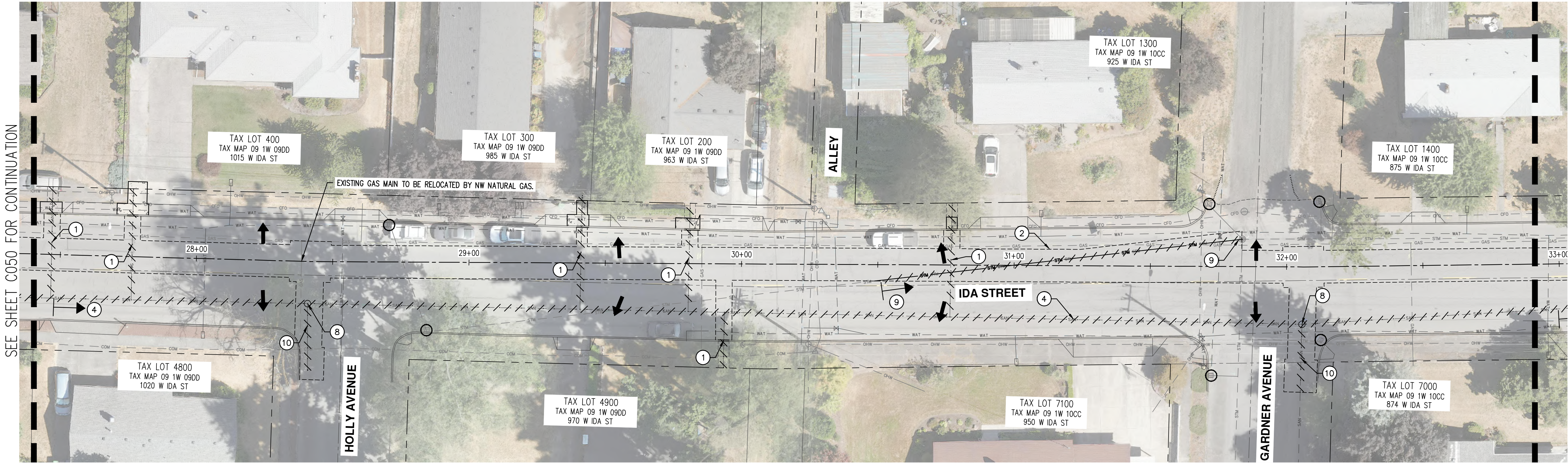
**W IDA ST. SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON**

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW

DATE: 03/12/2024  
  
REVISIONS

JOB NUMBER  
**9158-02**  
SHEET  
**C050**





SEE SHEET C050 FOR CONTINUATION

SEE SHEET C052 FOR CONTINUATION

**EROSION AND SEDIMENT CONTROL GENERAL NOTES:**

1. THIS EROSION AND SEDIMENT CONTROL PLAN SHOWS MEASURES FOR ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL MODIFY AND/OR ADD EROSION CONTROL MEASURES AS SITE CONDITIONS DICTATE.

**LEGEND**

DISTURBED AREA LIMITS

ABANDON OR REMOVE EXISTING PIPE

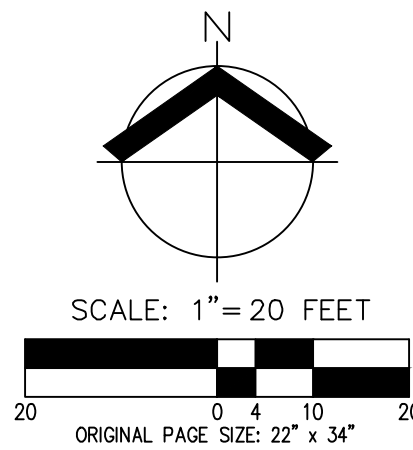
INLET PROTECTION

DRAINAGE FLOW DIRECTION

REMOVE EXISTING SIDEWALK

**DEMOLITION KEYED NOTES:**

1. REMOVE/ABANDON SANITARY SEWER LATERAL TO BE REMOVED/REPLACED AS REQUIRED FOR UTILITY CONSTRUCTION. CONTRACTOR SHALL NOTIFY PROPERTY OWNER BEFOREHAND WHEN THE LATERAL SERVICE WILL BE OFFLINE, WHEN THE LATERAL HAS BEEN TAKEN OFFLINE, AND WHEN IT HAS BEEN RECONNECTED. COORDINATE WITH CITY INSPECTOR AS NECESSARY.
2. APPROXIMATE PAVEMENT SAWCUT LIMITS. FINAL LIMITS TO BE DETERMINED WITH CITY INSPECTOR
3. (NOT USED)
4. ABANDON EXISTING SANITARY SEWER MAIN IN PLACE AND FILL WITH SAND/CONTROLLED DENSITY FILL. CONTRACTOR SHALL ADHERE TO SECTION 503 OF THE CITY OF STAYTON PUBLIC WORKS CONSTRUCTION SPECIFICATIONS (2021) AND SECTION 00490.43 OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
5. (NOT USED)
6. (NOT USED)
7. (NOT USED)
8. REMOVE EXISTING MANHOLE AND DISPOSE OFFSITE.
9. REMOVE 8" CONCRETE SD PIPE TO EXISTING MANHOLE. REPLACE PER SHEET C301.
10. REMOVE SANITARY SEWER MAIN AS REQUIRED FOR NEW SANITARY MAIN CONSTRUCTION.
11. (NOT USED)
12. (NOT USED)
13. (NOT USED)
14. (NOT USED)
- (P) (NOT USED)



**DEMOLITION, EROSION  
AND SEDIMENT CONTROL  
PLAN STA 27+50 TO 33+00**

**W IDA ST. SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON  
OREGON**

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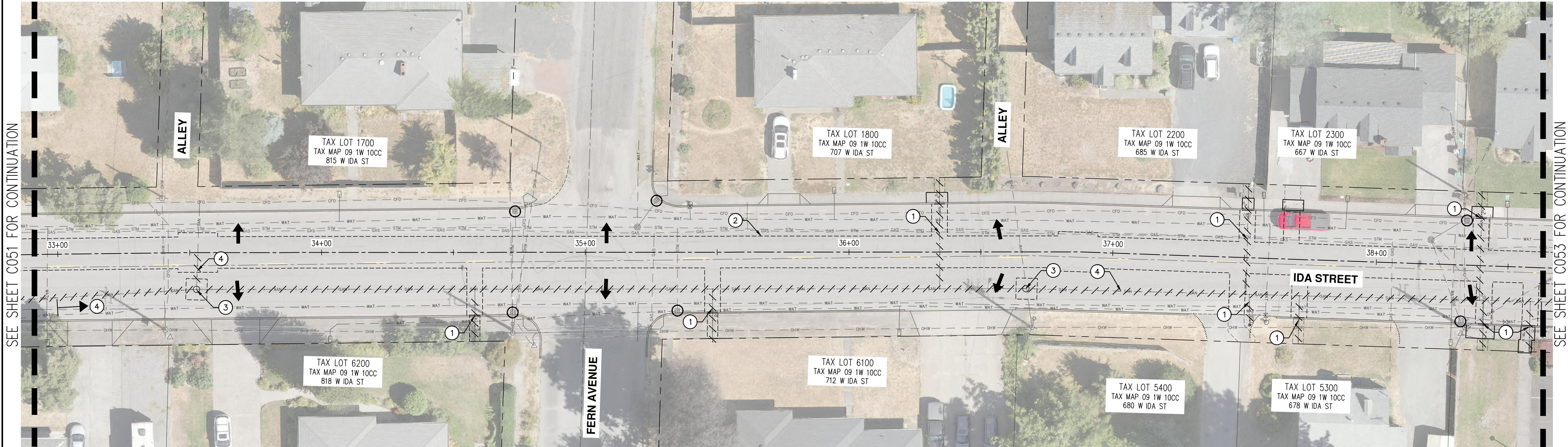
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FORESTRY - PLANNING - LANDSCAPE ARCHITECTURE  
MARION COUNTY TAX MAPS

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW

DATE: 03/12/2024  
REGISTERED PROFESSIONAL  
ENGINEER  
79184PE  
DIGITALLY SIGNED  
OREGON  
JUNE 2, 2011  
RICHARD C. WALKER  
EXPIRES: JUNE 30, 2024  
REVISIONS

JOB NUMBER  
9158-02  
SHEET  
C051





SEE SHEET C051 FOR CONTINUATION

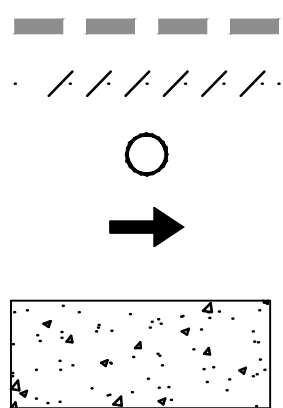
SEE SHEET C053 FOR CONTINUATION

**EROSION AND SEDIMENT CONTROL GENERAL NOTES:**

1. THIS EROSION AND SEDIMENT CONTROL PLAN SHOWS MEASURES FOR ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL MODIFY AND/OR ADD EROSION CONTROL MEASURES AS SITE CONDITIONS DICTATE.

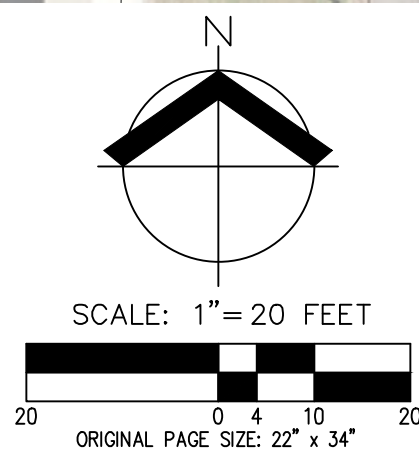
**LEGEND**

- DISTURBED AREA LIMITS
- ABANDON OR REMOVE EXISTING PIPE
- INLET PROTECTION
- DRAINAGE FLOW DIRECTION
- REMOVE EXISTING SIDEWALK



**DEMOLITION KEYED NOTES:**

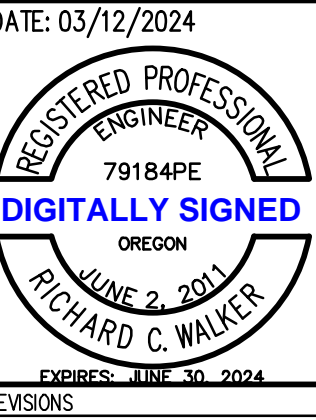
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2. APPROXIMATE PAVEMENT SAWCUT LIMITS. FINAL LIMITS TO BE DETERMINED WITH CITY INSPECTOR
3. ABANDON EXISTING MANHOLE IN PLACE. CONTRACTOR SHALL REMOVE THE FRAME AND COVER ASSEMBLY, CONE, AND INTERMEDIATE RISER SECTIONS TO A DEPTH OF 8-FT BELOW FINISH SURFACE GRADE AS SPECIFIED IN THE CITY OF STAYTON PUBLIC WORKS CONSTRUCTION SPECIFICATIONS (2021) SECTION 503.03.E.2.
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5. (NOT USED)
6. (NOT USED)
7. (NOT USED)
8. (NOT USED)
9. (NOT USED)
10. (NOT USED)
11. (NOT USED)
12. (NOT USED)
13. (NOT USED)
14. (NOT USED)
- (P) (NOT USED)



**DEMOLITION, EROSION  
AND SEDIMENT CONTROL  
PLAN STA 33+00 TO 38+75**

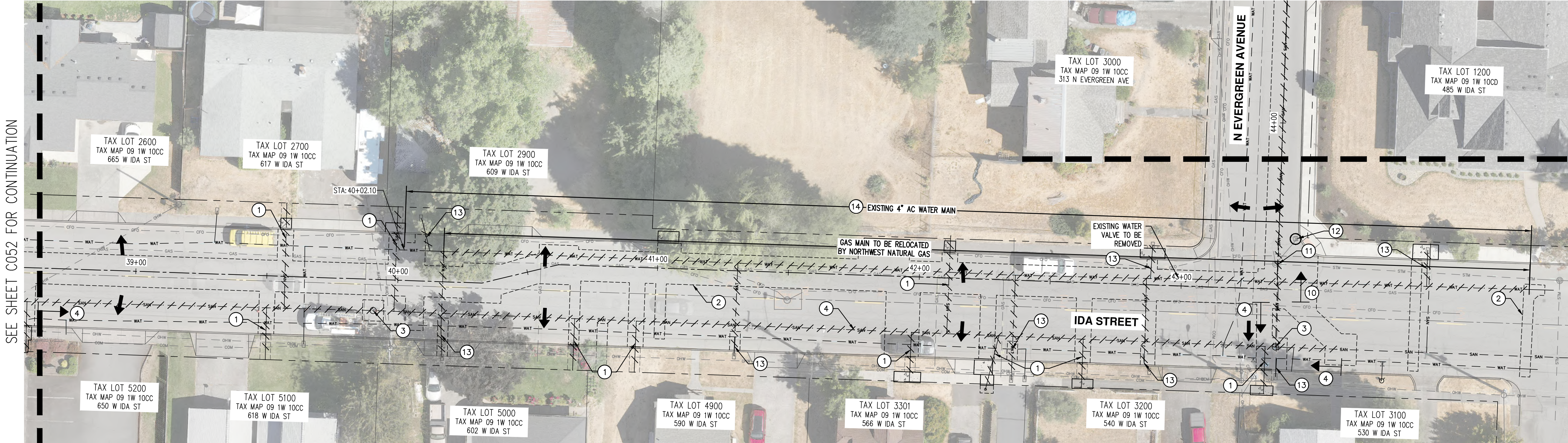
**W IDA ST. SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON**

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW



JOB NUMBER  
**9158-02**  
SHEET  
**C052**





SEE SHEET C052 FOR CONTINUATION

SEE SHEET C054 FOR CONTINUATION

EROSION AND SEDIMENT CONTROL GENERAL NOTES:

1. THIS EROSION AND SEDIMENT CONTROL PLAN SHOWS MEASURES FOR ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL MODIFY AND/OR ADD EROSION CONTROL MEASURES AS SITE CONDITIONS DICTATE.

**LEGEND**

--- --- ---

ABANDON OR REMOVE EXISTING PIPE

○

INLET PROTECTION

→

DRAINAGE FLOW DIRECTION

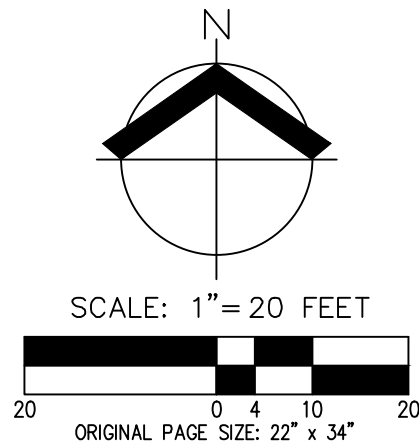
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REMOVE EXISTING SIDEWALK

DEMOLITION KEYED NOTES:

- #
1. REMOVE/ABANDON SANITARY SEWER LATERAL TO BE REMOVED/REPLACED AS REQUIRED FOR UTILITY CONSTRUCTION. CONTRACTOR SHALL NOTIFY PROPERTY OWNER BEFOREHAND WHEN THE LATERAL SERVICE WILL BE OFFLINE, WHEN THE LATERAL HAS BEEN TAKEN OFFLINE, AND WHEN IT HAS BEEN RECONNECTED. COORDINATE WITH CITY INSPECTOR AS NECESSARY.
  2. APPROXIMATE PAVEMENT SAWCUT LIMITS. FINAL LIMITS TO BE DETERMINED WITH CITY INSPECTOR
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  5. (NOT USED)
  6. (NOT USED)
  7. (NOT USED)
  8. (NOT USED)
  9. (NOT USED)
  10. REMOVE SANITARY SEWER MAIN AS REQUIRED FOR NEW SANITARY MAIN CONSTRUCTION.
  11. REMOVE EXISTING STORM MANHOLE AND DISPOSE OFFSITE.
  12. REMOVE EXISTING CATCH BASIN AND DISPOSE OFFSITE.
  13. EXISTING WATER SERVICE TO BE REMOVED/ABANDONED AND REPLACED. SEE SHEET C201.
  14. EXISTING 4" AC WATER MAIN TO BE ABANDONED IN PLACE. REMOVE WHERE REQUIRED FOR SANITARY SEWER CONSTRUCTION. HAUL OFF AND DISPOSE OFFSITE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS FOR ASBESTOS CONTAINING MATERIAL.

P (NOT USED)



DEMOLITION, EROSION  
AND SEDIMENT CONTROL  
PLAN STA 38+75 TO 43+75

W IDA ST. SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON

OREGON  
MARION COUNTY TAX MAPS

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW

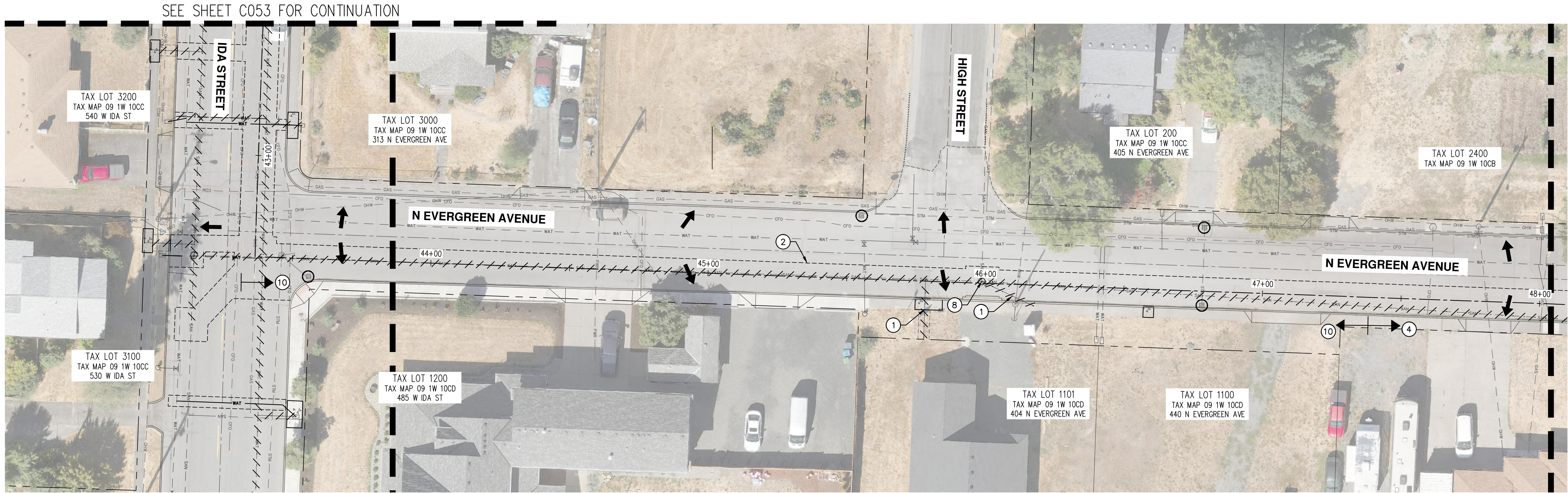
DATE: 03/12/2024  
REGISTERED PROFESSIONAL  
ENGINEER  
79184PE  
DIGITALLY SIGNED  
OREGON  
JUNE 2, 2011  
RICHARD C. WALKER  
EXPIRES: JUNE 30, 2024

REVISIONS  
JOB NUMBER  
9158-02  
SHEET  
C053

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KEIZER, OR 97303  
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SEE SHEET C053 FOR CONTINUATION



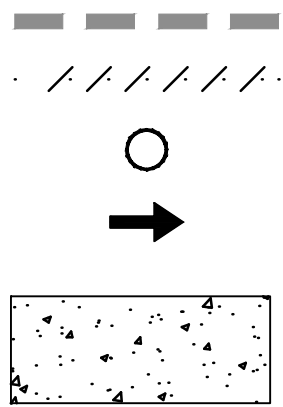
SEE SHEET C055 FOR CONTINUATION

**EROSION AND SEDIMENT CONTROL GENERAL NOTES:**

- THIS EROSION AND SEDIMENT CONTROL PLAN SHOWS MEASURES FOR ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL MODIFY AND/OR ADD EROSION CONTROL MEASURES AS SITE CONDITIONS DICTATE.

**LEGEND**

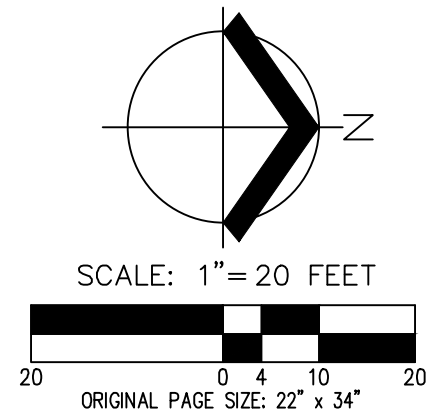
DISTURBED AREA LIMITS  
ABANDON OR REMOVE EXISTING PIPE  
INLET PROTECTION  
DRAINAGE FLOW DIRECTION  
REMOVE EXISTING SIDEWALK



**DEMOLITION KEYED NOTES:**

- REMOVE/ABANDON SANITARY SEWER LATERAL TO BE REMOVED/REPLACED AS REQUIRED FOR UTILITY CONSTRUCTION. CONTRACTOR SHALL NOTIFY PROPERTY OWNER BEFOREHAND WHEN THE LATERAL SERVICE WILL BE OFFLINE, WHEN THE LATERAL HAS BEEN TAKEN OFFLINE, AND WHEN IT HAS BEEN RECONNECTED. COORDINATE WITH CITY INSPECTOR AS NECESSARY.
- APPROXIMATE PAVEMENT SAWCUT LIMITS. FINAL LIMITS TO BE DETERMINED WITH CITY INSPECTOR
- (NOT USED)
- ABANDON EXISTING SANITARY SEWER MAIN IN PLACE AND FILL WITH SAND/CONTROLLED DENSITY FILL. CONTRACTOR SHALL ADHERE TO SECTION 503 OF THE CITY OF STAYTON PUBLIC WORKS CONSTRUCTION SPECIFICATIONS (2021) AND SECTION 00490.43 OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- (NOT USED)
- (NOT USED)
- (NOT USED)
- REMOVE EXISTING MANHOLE AND DISPOSE OFFSITE.
- (NOT USED)
- REMOVE SANITARY SEWER MAIN AS REQUIRED FOR NEW SANITARY MAIN CONSTRUCTION.
- (NOT USED)
- (NOT USED)
- (NOT USED)
- (NOT USED)
- (NOT USED)

(P) (NOT USED)



**DEMOLITION, EROSION  
AND SEDIMENT CONTROL  
PLAN STA 43+75 TO 48+00**

**W IDA ST. SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON  
OREGON**

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW

DATE: 03/12/2024  
REGISTERED PROFESSIONAL  
ENGINEER  
79184PE  
DIGITALLY SIGNED  
OREGON  
JUNE 2, 2011  
RICHARD C. WALKER  
EXPIRES: JUNE 30, 2024  
REVISIONS

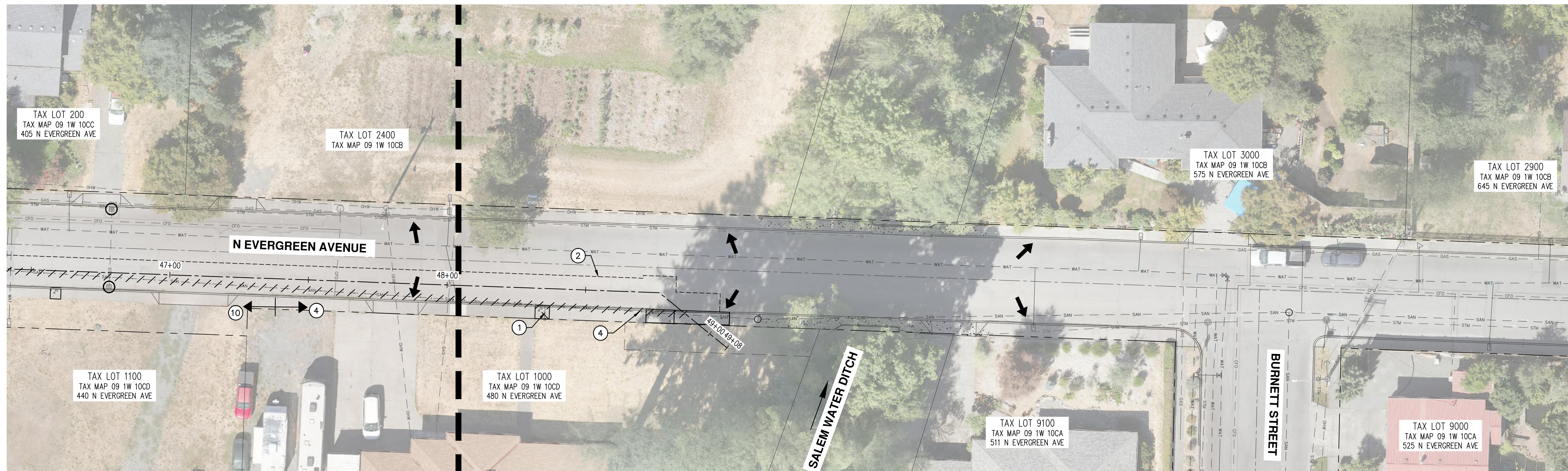
JOB NUMBER  
9158-02  
SHEET  
C054

AKS  
AKS ENGINEERING & FORESTRY, LLC  
3700 RIVER RD N, STE 1  
KEIZER, OR 97303  
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MARION COUNTY TAX MAPS



AKS DRAWING FILE: 9158-02 ESC.DWG | LAYOUT: C055

SEE SHEET C054 FOR CONTINUATION



EROSION AND SEDIMENT CONTROL GENERAL NOTES:

1. THIS EROSION AND SEDIMENT CONTROL PLAN SHOWS MEASURES FOR ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL MODIFY AND/OR ADD EROSION CONTROL MEASURES AS SITE CONDITIONS DICTATE.

## LEGEND

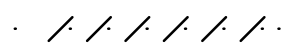
DISTURBED AREA LIMITS

ABANDON OR REMOVE EXISTING PIPE

### INLET PROTECTION

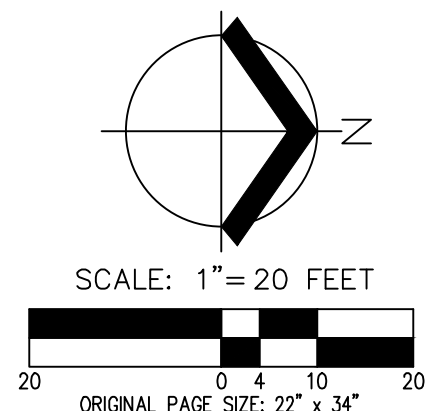
DRAINAGE FLOW DIRECTION

REMOVE EXISTING SIDEWALK



DEMOLITION KEYED NOTES:

1. REMOVE/ABANDON SANITARY SEWER LATERAL TO BE REMOVED/REPLACED AS REQUIRED FOR UTILITY CONSTRUCTION. CONTRACTOR SHALL NOTIFY PROPERTY OWNER BEFOREHAND WHEN THE LATERAL SERVICE WILL BE OFFLINE, WHEN THE LATERAL HAS BEEN TAKEN OFFLINE, AND WHEN IT HAS BEEN RECONNECTED. COORDINATE WITH CITY INSPECTOR AS NECESSARY.
2. APPROXIMATE PAVEMENT SAWCUT LIMITS. FINAL LIMITS TO BE DETERMINED WITH CITY INSPECTOR
3. (NOT USED)
4. ABANDON EXISTING SANITARY SEWER MAIN IN PLACE AND FILL WITH SAND/CONTROLLED DENSITY FILL. CONTRACTOR SHALL ADHERE TO SECTION 503 OF THE CITY OF STAYTON PUBLIC WORKS CONSTRUCTION SPECIFICATIONS (2021) AND SECTION 00490.43 OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
5. (NOT USED)
6. (NOT USED)
7. (NOT USED)
8. (NOT USED)
9. (NOT USED)
10. REMOVE SANITARY SEWER MAIN AS REQUIRED FOR NEW SANITARY MAIN CONSTRUCTION.
11. (NOT USED)
12. (NOT USED)
13. (NOT USED)
14. (NOT USED)
15. (P) (NOT USED)



**WIDA ST. SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON OREGON  
MARION COUNTY TAX MAPS**

**DEMOLITION, EROSION  
AND SEDIMENT CONTROL  
PLAN STA 48+00 TO 49+08**

DESIGNED BY:	BTW
DRAWN BY:	BTW
MANAGED BY:	RCW
CHECKED BY:	RCW
DATE: 03/12/2024	



JOB NUMBER  
**9158-02**

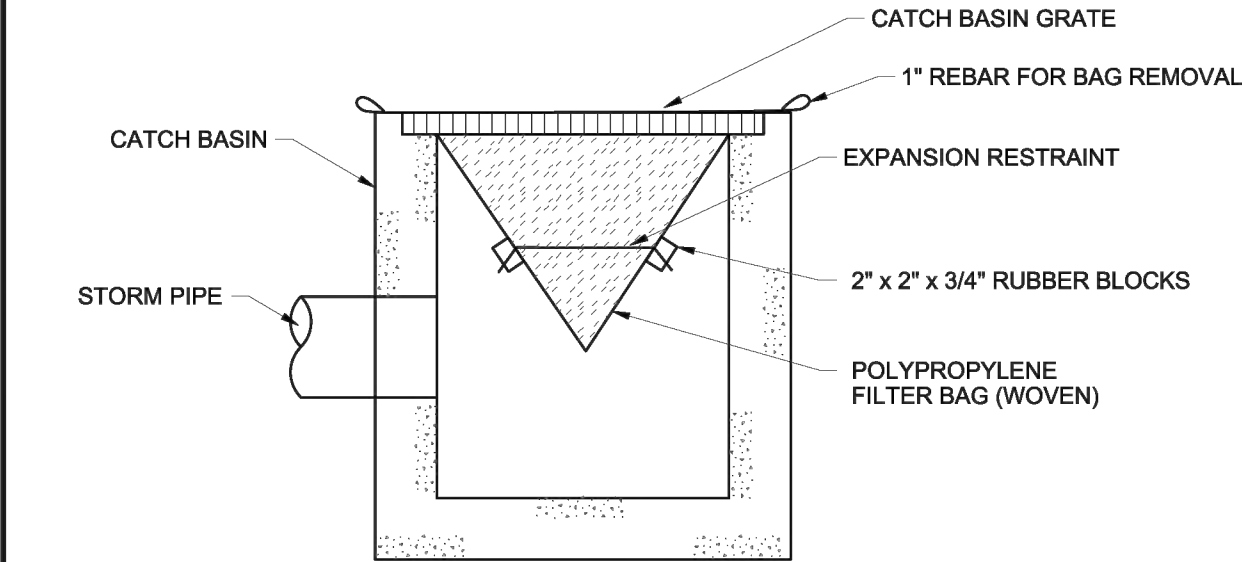
SHEET  
**C055**

**AKS**  
AKS ENGINEERING & FORESTRY, LLC  
3700 RIVER RD. N., STE. 1  
KEIZER, OR 97303  
503.400.6028  
WWW.AKS-ENG.COM

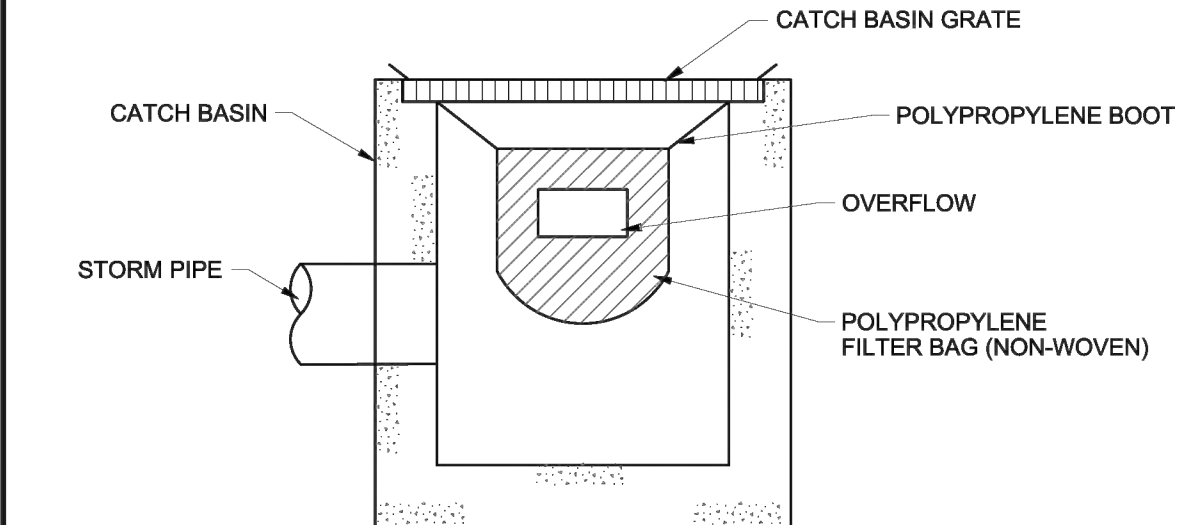
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The selection and use of this Standard Drawing, while designed in accordance with standard engineering principles and practices, is the sole responsibility of the user.




WOVEN POLYPROPYLENE BAG



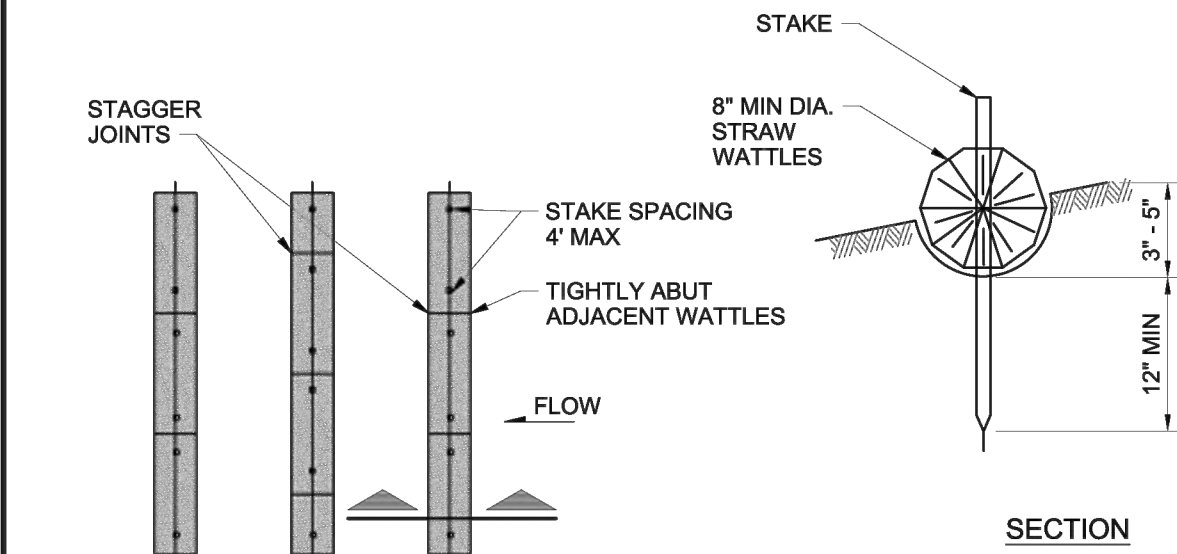
NON-WOVEN POLYPROPYLENE BAG

NOTES:

1. RECESSED CURB AND SIDE-INLETS MUST BE BLOCKED WHEN USING POLYPROPYLENE INLET BAGS.
2. SIZE OF POLYPROPYLENE FILTER BAGS TO BE DETERMINED BY MANUFACTURER.

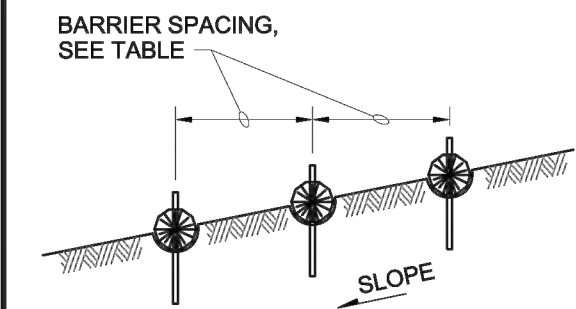
 <div>DEPARTMENT OF PUBLIC WORKS</div> <div>302 S. THIRD AVENUE STAYTON, OR 97130 PHONE: (503) 767-2134 FAX: (503) 767-2134</div>	2021 EDITION		STANDARD DRAWING TITLE		NO SCALE	
	JTA / LSL	REVIEWED BY	POLYPROPYLENE BAG INLET PROTECTION		DIVISION	
		08/21			ESC	
	REVISIONS				DRAWING NO.	
					706	

The selection and use of this Standard Drawing, while designed in accordance with standard engineering principles and practices, is the sole responsibility of the user.



PLAN

SECTION




ELEVATION

BARRIER SPACING FOR GENERAL APPLICATION		
INSTALL PARALLEL ALONG CONTOURS AS FOLLOWS		
% SLOPE	SLOPE (V:H)	MAX SPACING ON SLOPE
10% FLATTER	1:10 OR FLATTER	300'
10% TO 15%	1:10 TO 1:7.5	150'
15% TO 20%	1:7.5 TO 1:5	100'
20% TO 30%	1:5 TO 1:3	50'
30% OR MORE	1:3 OR STEEPER	25'

NOTES:

1. STAKING SHALL BE WITH 1" x 2" WOODEN STAKES OR APPROVED EQUAL.
2. ADDITIONAL STAKES MAY BE INSTALLED ON DOWNHILL SIDE OF WATTLES, ON STEEP SLOPES OR HIGHLY EROSIVE SOILS.

 <div>DEPARTMENT OF PUBLIC WORKS</div> <div>200 N. 1<sup>ST</sup> AVENUE STAYTON, OR 97130 (503) 767-2100 FAX: (503) 767-2134</div>	2021 EDITION		STANDARD DRAWING TITLE	NO SCALE
	JTA / LSL	REVIEWED BY	STRAW WATTLES	DIVISION
	NAME	08/21		ESC
	REVISIONS			DRAWING NO.
				710

WIDA ST. SANITARY SEWER REPLACEMENT (PHASE 2) STAYTON OREGON

AKS ENGINEERING & FORESTRY, LLC  
3700 RIVER RD N, STE 1  
KEIZER, OR 97303  
503.400.6028  
WWW.AKS-ENG.COM

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EROSION AND SEDIMENT CONTROL DETAILS

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW

DATE: 03/12/2024

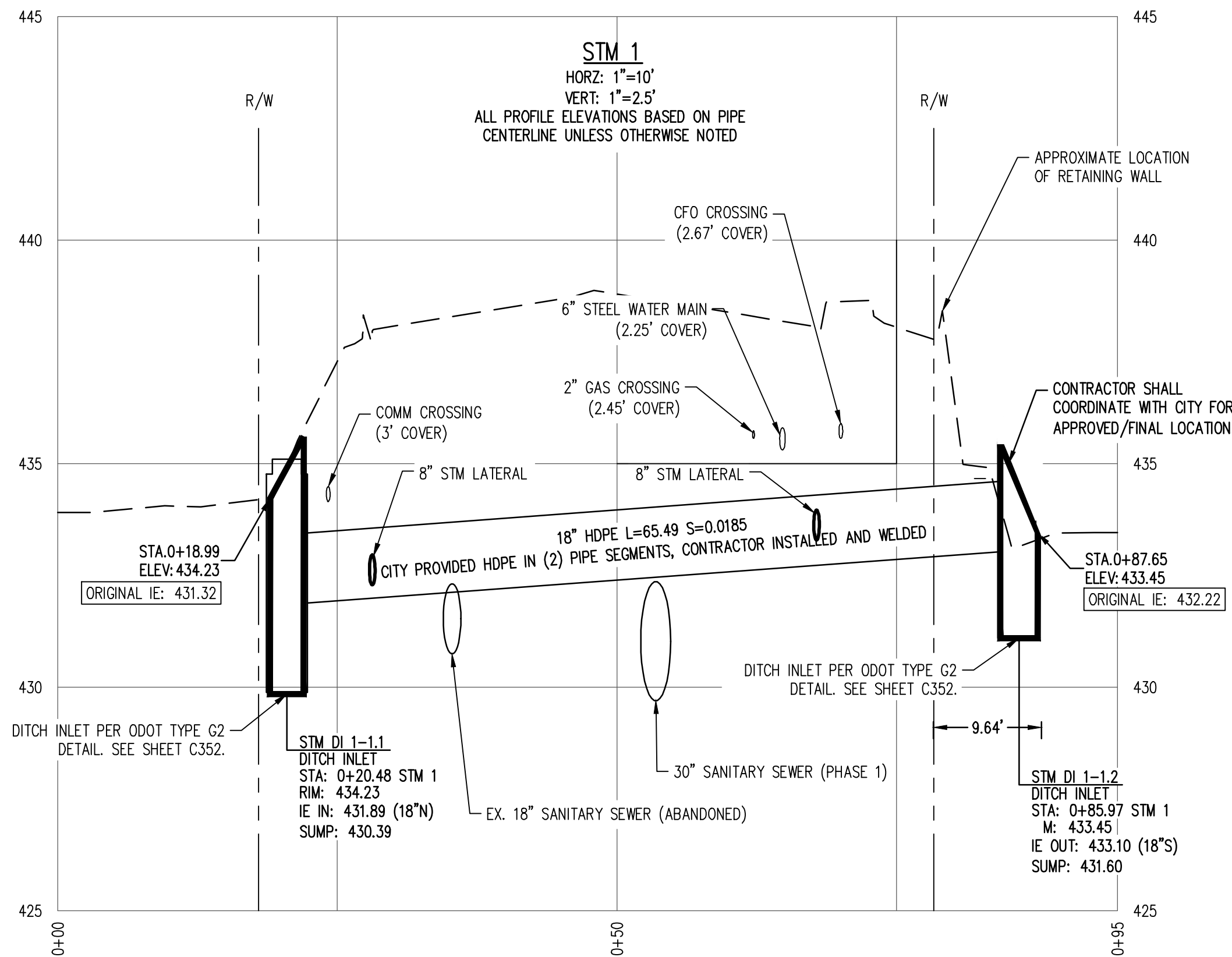
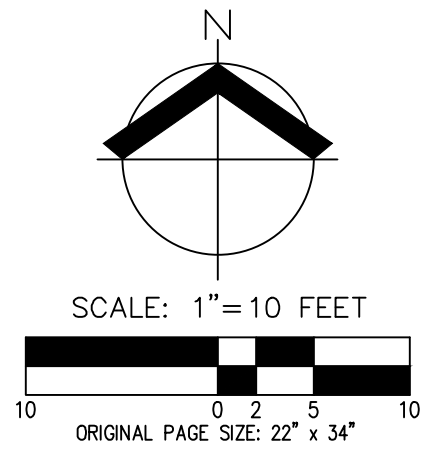
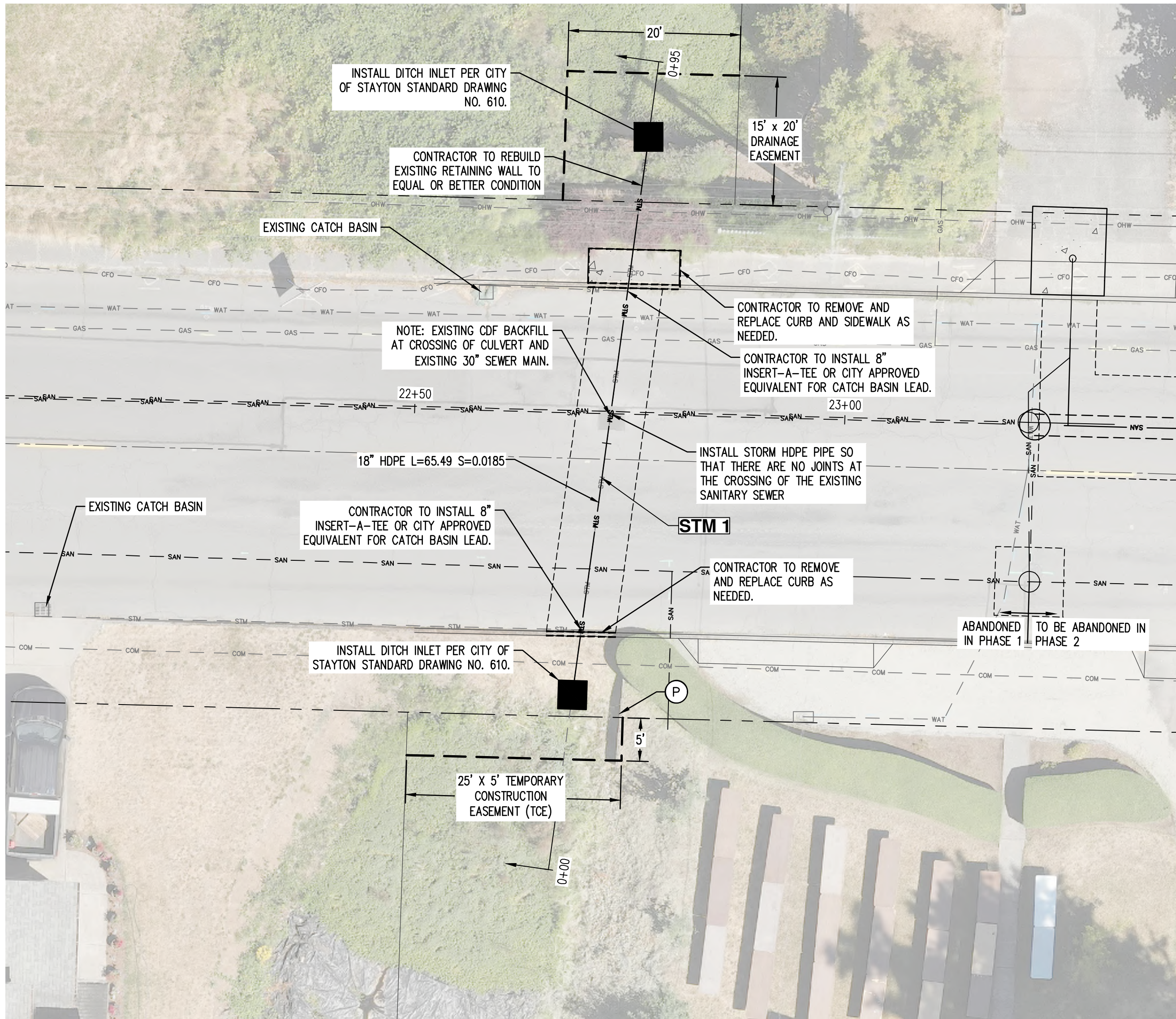


REVISIONS

JOB NUMBER  
9158-02  
SHEET  
C056



AKS DRAWING FILE: 9158-02 STM PLANDWG LAYOUT: C200



KEYED NOTES:

- (P) PROTECT AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.

NOTES:

- ALL EXISTING UTILITY CROSSINGS THAT ARE 4" OR LARGER SHALL BE BACKFILLED DIRECTLY UNDER AND TO THE SPRING LINE OF THE EXISTING UTILITY PIPE WITH CONTROLLED DENSITY BACKFILL UNLESS OTHERWISE NOTED. SUPPORT EXISTING UTILITIES AS NECESSARY.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES THAT CROSS OVER THE NEW SANITARY SEWER MAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL EXISTING UTILITY CONFLICTS FAR ENOUGH AHEAD TO OF CONSTRUCTION TO MAKE NECESSARY GRADE MODIFICATIONS WITHOUT DELAYING WORK. IF GRADE MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER, AND THE DESIGN ENGINEER SHALL OBTAIN APPROVAL FROM THE CITY ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.

WIDA ST. SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON

STORM DRAIN CULVERT  
PLAN AND PROFILE

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW

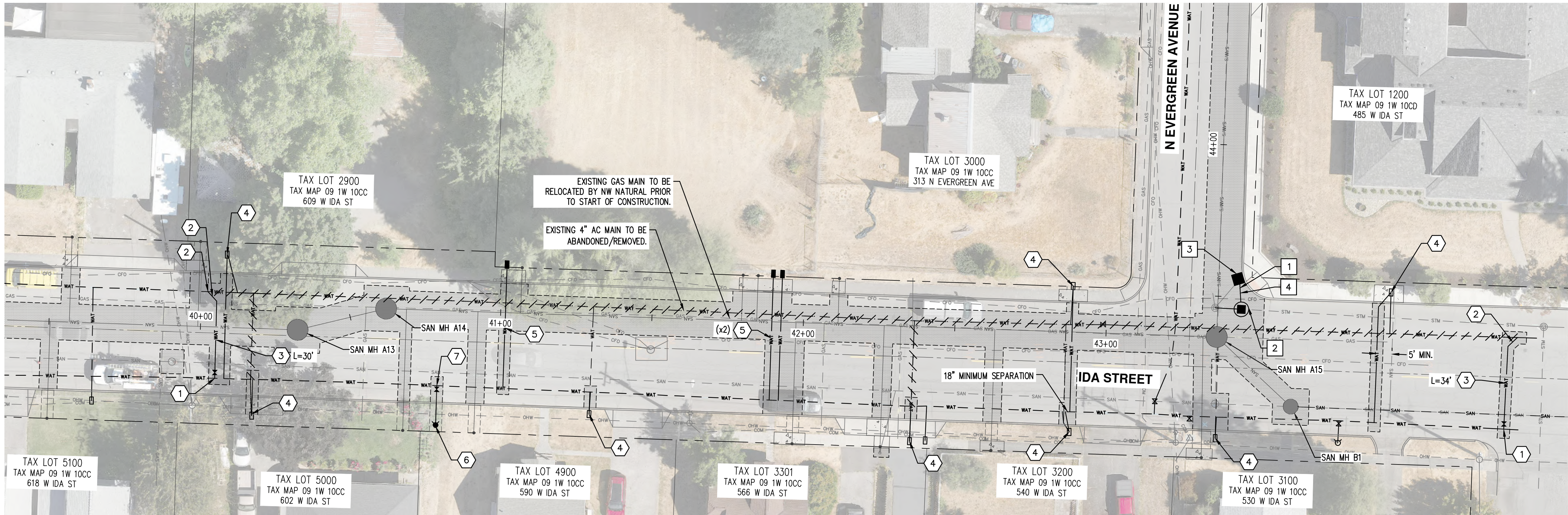
DATE: 03/12/2024  
REGISTERED PROFESSIONAL ENGINEER  
79184PE  
DIGITALLY SIGNED  
RICHARD C. WALKER  
EXPIRES: JUNE 30, 2024

JOB NUMBER  
9158-02  
SHEET  
C200

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3700 RIVER RD N, STE 1  
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MARION COUNTY TAX MAPS



AKS DRAWING FILE: 9158-02\_STM & WTR\_PLAN\_SHEETS.DWG | LAYOUT: C201



**WATER KEYED NOTES:**

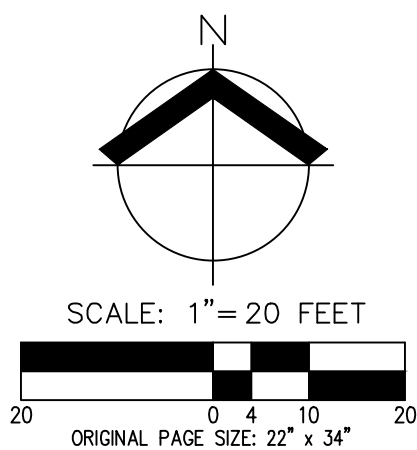


- CONNECT TO EXISTING 16" D.I. WATER MAIN. CONTRACTOR TO INSTALL 16" x 4" FULL-CIRCLE STAINLESS STEEL TAPPING VALVE AND SLEEVE (MUELLER H304 W/ STAINLESS STEEL FLG, OR APPROVED EQUIVALENT) PER CITY OF STAYTON STANDARD CONSTRUCTION SPECIFICATIONS.
- CONNECT TO EXISTING 4" AC WATER MAIN WITH TWO 45° BENDS, THRUST BLOCKING, 3-FT DUCTILE IRON SPOOL, AND SOLID SLEEVE COUPLING. REFERENCE CITY OF STAYTON STANDARD DRAWING NO.402 FOR THRUST BLOCKING.
- INSTALL NEW 4" DUCTILE IRON CL-52 WATER MAIN (FULLY RESTRAINED).
- REPLACE EXISTING WATER SERVICE LINE UP TO METER AND TIE INTO 16" WATER MAIN PER CITY OF STAYTON STANDARD DRAWING NO. 430. REPLACE METER BOX. CONNECT TO EXISTING METER.
- INSTALL NEW 1" WATER SERVICE AND METER BOX.
- INSTALL NEW FIRE HYDRANT ASSEMBLY PER CITY OF STAYTON STANDARD DRAWING NO. 414.
- CONNECT TO EXISTING 16" D.I. WATER MAIN. CONTRACTOR TO INSTALL 16" x 6" FULL-CIRCLE STAINLESS STEEL TAPPING VALVE AND SLEEVE (MUELLER H304 W/ STAINLESS STEEL FLG, OR APPROVED EQUIVALENT) PER CITY OF STAYTON STANDARD CONSTRUCTION SPECIFICATIONS.

**STORM KEYED NOTES:**



- INSTALL 10" PVC PIPE.  
L = 8.72'  
S = 0.200
- INSTALL 48" STANDARD STORM MANHOLE  
RIM: 448.62  
IE IN: 443.26 (10" W)  
IE OUT: 442.66 (8"E)
- REMOVE EXISTING CATCH BASIN AND INSTALL TYPE CG-2 CATCH BASIN  
RIM: 448.36  
IE OUT: 445.00 (10"S)
- APPROXIMATE LOCATION OF CONCRETE CAPPED FIBER OPTIC LINE CROSSING.



**W IDA ST. SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON  
OREGON**

**UTILITY CONFLICT PLAN**

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW



JOB NUMBER  
**9158-02**  
SHEET  
**C201**









\*DISTANCE MEASURED FROM SAME SIDE AS TAX LOT

SEE SHEET C302 FOR CONTINUATION

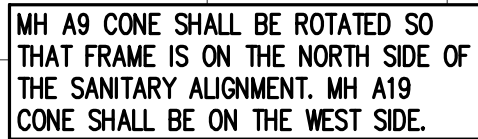
#

7. APPROXIMATE LOCATION OF STORM PIPE CROSSING
8. APPROXIMATE LOCATION OF COMMUNICATION LINE CROSSING.
9. (NOT USED)
10. APPROXIMATE LOCATION OF CONCRETE CAPPED FIBER OPTIC LINE CROSSING.
11. INSTALL NEW 72" STANDARD MANHOLE PER CITY OF STAYTON STANDARD DRAWING NO. 504, 518, 522, AND 524.
12. (NOT USED)
13. INSTALL NEW 48" STANDARD MANHOLE PER CITY OF STAYTON STANDARD DRAWING NO. 502, 518, 522, AND 524.
14. INSTALL NEW 48" OUTSIDE DROP MANHOLE PER MODIFIED CITY OF SALEM STANDARD DRAWING NO. 102 AND CITY OF STAYTON STANDARD DRAWING NO. 518, 522, AND 524.
15. (NOT USED)

- PAVEMENT RESTORATION KEYED NOTES: #

1. ALL EXISTING UTILITY CROSSINGS THAT ARE 4" OR LARGER SHALL BE BACKFILLED DIRECTLY UNDER AND TO THE SPRING LINE OF THE EXISTING UTILITY PIPE WITH CONTROLLED DENSITY FILL UNLESS OTHERWISE NOTED. SUPPORT EXISTING UTILITIES AS NECESSARY.
2. CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES THAT CROSS OVER THE NEW SANITARY SEWER MAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL EXISTING UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE MODIFICATIONS WITHOUT DELAYING WORK. IF GRADE MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER, AND THE DESIGN ENGINEER SHALL OBTAIN APPROVAL FROM THE CITY ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. CONTRACTOR TO ENSURE 18" MINIMUM SEPARATION BETWEEN ADJACENT SANITARY LATERALS.

4. ALL STREETS AND STORM FACILITIES WITHIN THE PROJECT LIMITS SHALL BE CLEANED AT THE END OF CONSTRUCTION.
5. ALL PICK HOLES IN MANHOLES NEED TO BE GROUTED FLUSH WITH NON-SHRINK GROUT PRIOR TO MANHOLE VACUUM TESTING.



SAN A  
 HORZ: 1"=20'  
 VERT: 1"=5'  
 ALL PROFILE ELEVATIONS BASED ON PIPE  
 CENTERLINE UNLESS OTHERWISE NOTED

MH A10 CONE SHALL BE ROTATED SO THAT FRAME IS ON THE NORTH SIDE OF THE SANITARY ALIGNMENT. MH A20 CONE SHALL BE ON THE EAST SIDE.

AKS DRAWING FILE: 9158-02 SAN PLAN.DWG | LAYOUT: C301

**W IDA ST. SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON OREGON  
MADISON COUNTY, TAX MAPS**

**SANITARY SEWER PLAN  
AND PROFILE STA 27+50  
TO 33+00**

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW  
DATE: 03/12/2024

REGISTERED PROFESSIONAL  
ENGINEER  
79184PE  
**DIGITALLY SIGNED**  
OREGON  
JUNE 2, 2011  
RICHARD C. WALKER  
EXPIRES: JUNE 30, 2024  
REVISIONS

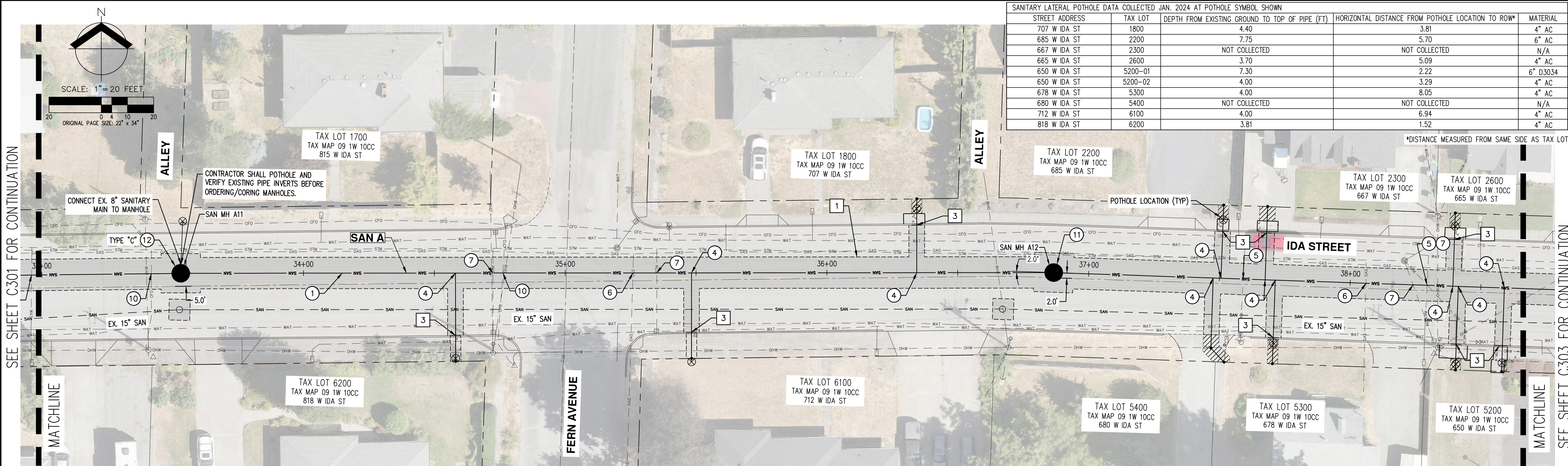
JOB NUMBER  
9158-02

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SHEET  
**C301**



AKS DRAWING FILE: 9158-02 SAN PLANDWG | LAYOUT: C302



SANITARY LATERAL POT HOLE DATA COLLECTED JAN. 2024 AT POT HOLE SYMBOL SHOWN				
STREET ADDRESS	TAX LOT	DEPTH FROM EXISTING GROUND TO TOP OF PIPE (FT)	HORIZONTAL DISTANCE FROM POT HOLE LOCATION TO ROW*	MATERIAL
707 W IDA ST	1800	4.40	3.81	4" AC
685 W IDA ST	2200	7.75	5.70	6" AC
667 W IDA ST	2300	NOT COLLECTED	NOT COLLECTED	N/A
665 W IDA ST	2600	3.70	5.09	4" AC
650 W IDA ST	5200-01	7.30	2.22	6" D3034
650 W IDA ST	5200-02	4.00	3.29	4" AC
678 W IDA ST	5300	4.00	8.05	4" AC
680 W IDA ST	5400	NOT COLLECTED	NOT COLLECTED	N/A
712 W IDA ST	6100	4.00	6.94	4" AC
818 W IDA ST	6200	3.81	1.52	4" AC

SANITARY KEYED NOTES:

- INSTALL NEW 30" PVC F-679 SDR 35 SANITARY SEWER MAIN PER PROFILE.
- (NOT USED)
- (NOT USED)
- INSTALL NEW SANITARY LATERAL PERPENDICULAR TO THE NEW SANITARY MAIN WITH TAPPING SADDLE (ROMAC STYLE "CB" SEWER SADDLE OR APPROVED EQUIVALENT). INSTALL NEW 2-WAY PROPERTY LINE CLEANOUT, PER CITY OF STAYTON STANDARD DRAWING NO. 528. USE CITY STANDARD FRAME AND COVER FOR PAVED SURFACES OR OLDCASTLE CHRISTY G03 FOR UNPAVED SURFACES. THE CONNECTION TO THE EXISTING SEWER SERVICE IS TO BE MADE AFTER THE PROPERTY LINE CLEANOUT, BEHIND THE RIGHT OF WAY IN ACCORDANCE WITH APPLICABLE PLUMBING CODES BY A LICENSED PLUMBING CONTRACTOR.
- APPROXIMATE LOCATION OF WATER LINE CROSSING.
- APPROXIMATE LOCATION OF GAS CROSSING.
- APPROXIMATE LOCATION OF STORM PIPE CROSSING
- (NOT USED)
- (NOT USED)
- APPROXIMATE LOCATION OF CONCRETE CAPPED FIBER OPTIC LINE CROSSING.
- INSTALL NEW 72" STANDARD MANHOLE PER CITY OF STAYTON STANDARD DRAWING NO. 504, 518, 522, AND 524.
- INSTALL NEW 72" OUTSIDE DROP MANHOLE PER MODIFIED CITY OF SALEM STANDARD DRAWING NO. 102 AND CITY OF STAYTON STANDARD DRAWING NO. 518, 522, AND 524.
- (NOT USED)
- (NOT USED)
- (NOT USED)

(NOT USED)

- (NOT USED)
- PROTECT AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
- EXISTING SANITARY SEWER TO BE ABANDONED.

PAVEMENT RESTORATION KEYED NOTES: #

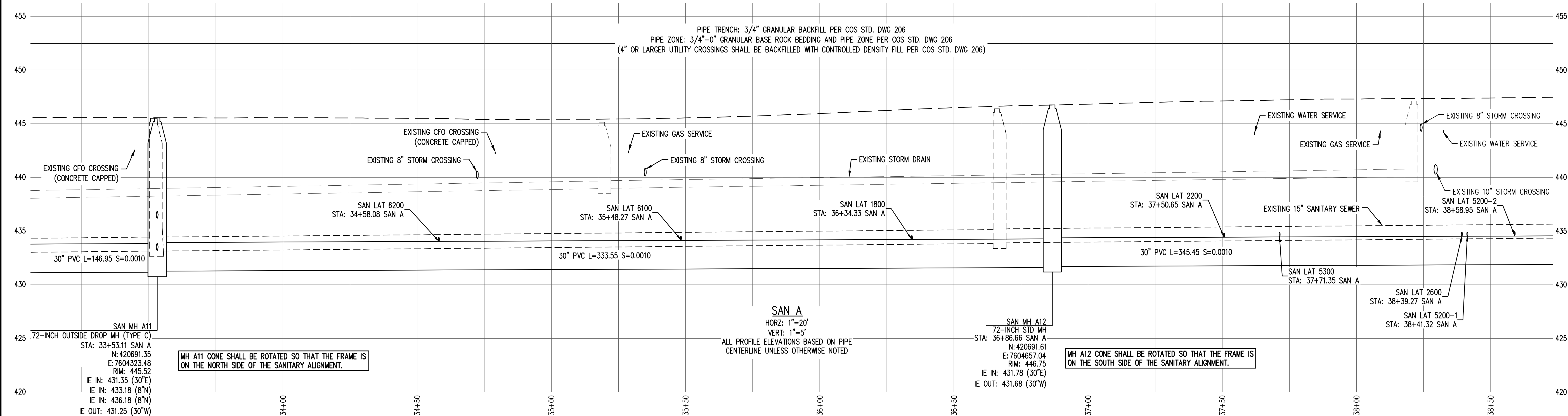
- APPROXIMATE SAWCUT LIMITS. RESTORE TRENCH PER CITY OF STAYTON STANDARD DRAWING 318.
- RESTORE CONCRETE DRIVEWAY/SIDEWALK TO NEAREST JOINT PER CITY OF STAYTON STANDARD DRAWING 340.
- RESTORE CURB PER CITY OF STAYTON STANDARD DRAWING 337.
- RESTORE DISTURBED AREA OUTSIDE OF PAVEMENT TO PREVIOUS CONDITION OR BETTER.

SANITARY SEWER NOTES:

- ALL EXISTING UTILITY CROSSINGS THAT ARE 4" OR LARGER SHALL BE BACKFILLED DIRECTLY UNDER AND TO THE SPRING LINE OF THE EXISTING UTILITY PIPE WITH CONTROLLED DENSITY FILL UNLESS OTHERWISE NOTED. SUPPORT EXISTING UTILITIES AS NECESSARY.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES THAT CROSS OVER THE NEW SANITARY SEWER MAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL EXISTING UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE MODIFICATIONS WITHOUT DELAYING WORK. IF GRADE MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER, AND THE DESIGN ENGINEER SHALL OBTAIN APPROVAL FROM THE CITY ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR TO ENSURE 18" MINIMUM SEPARATION BETWEEN ADJACENT SANITARY LATERALS.
- ALL STREETS AND STORM FACILITIES WITHIN THE PROJECT LIMITS SHALL BE CLEANED AT THE END OF CONSTRUCTION.
- ALL PICK HOLES IN MANHOLES NEED TO BE GROUTED FLUSH WITH NON-SHRINK GROUT PRIOR TO MANHOLE VACUUM TESTING.
- CONTRACTOR TO VERIFY EXISTING LOT LATERAL LOCATION AT PROPERTY LINE PRIOR TO STARTING CONSTRUCTION OF NEW LATERAL.

PAVEMENT RESTORATION LEGEND

- AC TRENCH PATCH RESTORATION (5" OF LEVEL 3, 1/2" DENSE AC OVER 12" OF 1"-0 AGGREGATE BASE)
- CONCRETE RESTORATION
- UNPAVED SURFACE RESTORATION



W IDA ST. SANITARY SEWER REPLACEMENT (PHASE 2)  
STAYTON OREGON  
SANITARY SEWER PLAN AND PROFILE STA 33+00 TO 38+75

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW

DATE: 03/12/2024

REGISTERED PROFESSIONAL ENGINEER  
79184PE  
DIGITALLY SIGNED  
RICHARD C. WALKER  
EXPIRES: JUNE 30, 2024

JOB NUMBER  
9158-02  
SHEET  
C302

AKS  
AKS ENGINEERING & FORESTRY, LLC  
3700 RIVER RD N, STE 1  
KEIZER, OR 97303  
503.400.6028  
WWW.AKS-ENG.COM  
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FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE  
MARION COUNTY TAX MAPS

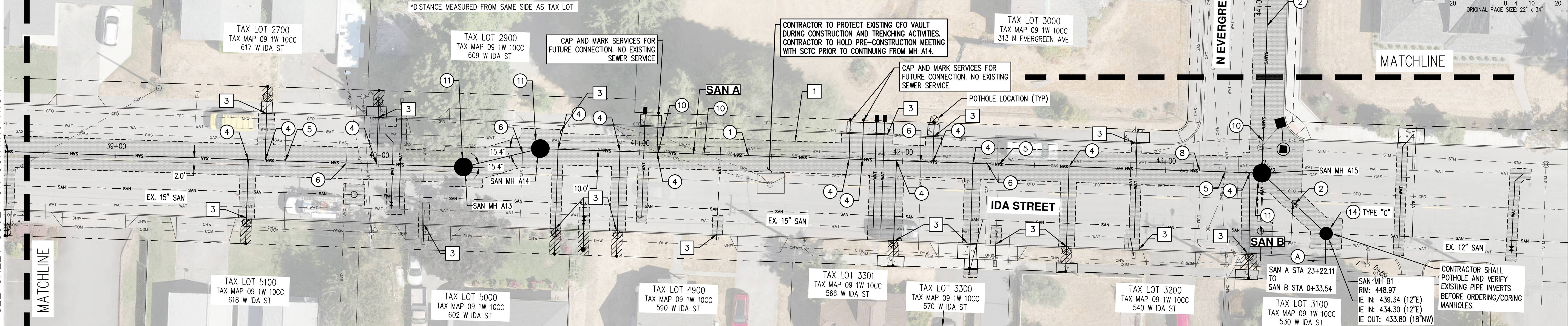


AKS DRAWING FILE: 9158-02 SAN PLANDWG | LAYOUT: C303

SEE SHEET C302 FOR CONTINUATION

SANITARY LATERAL POTHOLE DATA COLLECTED JAN. 2024 AT POTHOLE SYMBOL SHOWN				
STREET ADDRESS	TAX LOT	DEPTH FROM EXISTING GROUND TO TOP OF PIPE (FT)	HORIZONTAL DISTANCE FROM POTHOLE LOCATION TO ROW*	MATERIAL
617 W IDA ST	2700	3.90	4.20	4" AC
609 W IDA ST	2900	3.50	4.24	4" AC
313 N EVERGREEN AVE	3000	7.00	5.91	4" AC
530 W IDA ST	3100	5.00	7.99	4" AC
540 W IDA ST	3200	3.80	7.93	4" AC
570 W IDA ST	3300	NOT COLLECTED	NOT COLLECTED	N/A
566 W IDA ST	3301	4.50	8.09	4" AC
590 W IDA ST	4900	3.70	8.10	4" AC
602 W IDA ST	5000	4.00	7.92	4" AC
618 W IDA ST	5100	4.60	7.96	4" AC

\*DISTANCE MEASURED FROM SAME SIDE AS TAX LOT



#### SANITARY KEYED NOTES:

#

- INSTALL NEW 30" PVC F-679 SDR 35 SANITARY SEWER MAIN PER PROFILE.
- INSTALL NEW 18" PVC F-679 SDR 35 SANITARY SEWER MAIN PER PROFILE.
- (NOT USED)
- INSTALL NEW SANITARY LATERAL PERPENDICULAR TO THE NEW SANITARY MAIN WITH TAPPING SADDLE (ROMAC STYLE "CB" SEWER SADDLE OR APPROVED EQUIVALENT). INSTALL NEW 2-WAY PROPERTY LINE CLEANOUT, PER CITY OF STAYTON STANDARD DRAWING NO. 528. USE CITY STANDARD FRAME AND COVER FOR PAVED SURFACES OR OLDCASTLE CHRISTY 603 FOR UNPAVED SURFACES. THE CONNECTION TO THE EXISTING SEWER SERVICE IS TO BE MADE AFTER THE PROPERTY LINE CLEANOUT, BEHIND THE RIGHT OF WAY IN ACCORDANCE WITH APPLICABLE PLUMBING CODES BY A LICENSED PLUMBING CONTRACTOR.
- APPROXIMATE LOCATION OF WATER LINE CROSSING.
- APPROXIMATE LOCATION OF GAS CROSSING.
- (NOT USED)
- APPROXIMATE LOCATION OF COMMUNICATION LINE CROSSING.
- (NOT USED)
- APPROXIMATE LOCATION OF CONCRETE CAPPED FIBER OPTIC LINE CROSSING.
- INSTALL NEW 72" STANDARD MANHOLE PER CITY OF STAYTON STANDARD DRAWING NO. 504, 518, 522, AND 524.
- (NOT USED)
- (NOT USED)
- INSTALL NEW 48" OUTSIDE DROP MANHOLE PER MODIFIED CITY OF SALEM STANDARD DRAWING NO. 102 AND CITY OF STAYTON STANDARD DRAWING NO. 518, 522, AND 524.
- (NOT USED)

16. (NOT USED)

17. (NOT USED)

(P) PROTECT AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.

(A) EXISTING SANITARY SEWER TO BE ABANDONED.

#### PAVEMENT RESTORATION KEYED NOTES: #

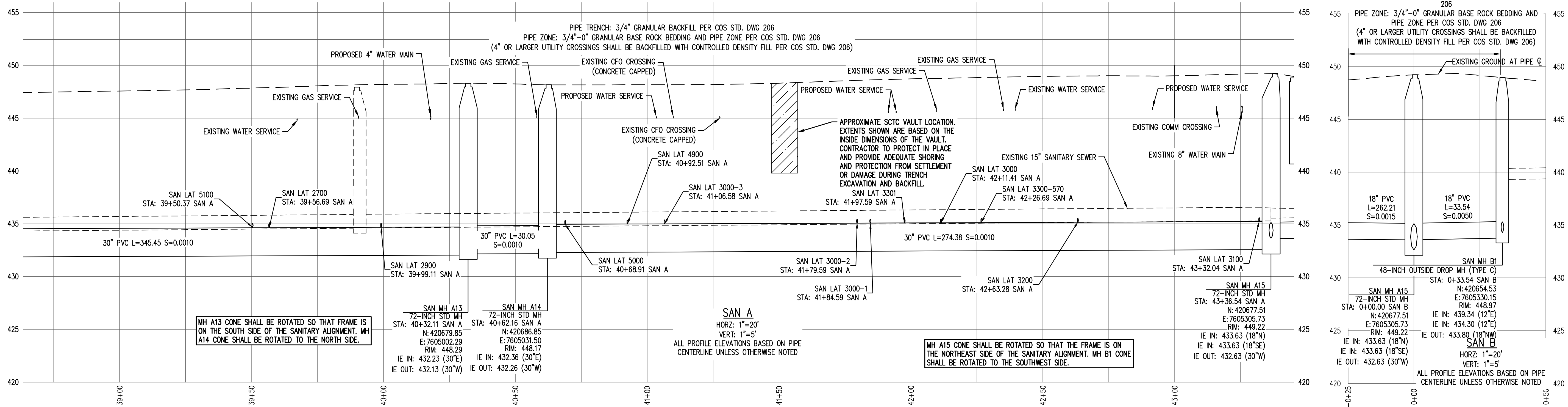
- APPROXIMATE SAWCUT LIMITS. RESTORE TRENCH PER CITY OF STAYTON STANDARD DRAWING 318.
- RESTORE CONCRETE DRIVEWAY/SIDEWALK TO NEAREST JOINT PER CITY OF STAYTON STANDARD DRAWING 340.
- RESTORE CURB PER CITY OF STAYTON STANDARD DRAWING 337.
- RESTORE DISTURBED AREA OUTSIDE OF PAVEMENT TO PREVIOUS CONDITION OR BETTER.

#### SANITARY SEWER NOTES:

- ALL EXISTING UTILITY CROSSINGS THAT ARE 4" OR LARGER SHALL BE BACKFILLED DIRECTLY UNDER AND TO THE SPRING LINE OF THE EXISTING UTILITY PIPE WITH CONTROLLED DENSITY FILL UNLESS OTHERWISE NOTED. SUPPORT EXISTING UTILITIES AS NECESSARY.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES THAT CROSS OVER THE NEW SANITARY SEWER MAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL EXISTING UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE MODIFICATIONS WITHOUT DELAYING WORK. IF GRADE MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER, AND THE DESIGN ENGINEER SHALL OBTAIN APPROVAL FROM THE CITY ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR TO ENSURE 18" MINIMUM SEPARATION BETWEEN ADJACENT SANITARY LATERALS.
- ALL STREETS AND STORM FACILITIES WITHIN THE PROJECT LIMITS SHALL BE CLEANED AT THE END OF CONSTRUCTION.
- ALL PICK HOLES IN MANHOLES NEED TO BE GROUTED FLUSH WITH NON-SHRINK GROUT PRIOR TO MANHOLE VACUUM TESTING.
- CONTRACTOR TO VERIFY EXISTING LOT LATERAL LOCATION AT PROPERTY LINE PRIOR TO STARTING CONSTRUCTION OF NEW LATERAL.

#### PAVEMENT RESTORATION LEGEND

- AC TRENCH PATCH RESTORATION (5" OF LEVEL 3, 3" DENSE AC OVER 12" OF 1"-0 AGGREGATE BASE)
- CONCRETE RESTORATION
- UNPAVED SURFACE RESTORATION



W IDA ST. SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON

SANITARY SEWER PLAN  
AND PROFILE STA 38+75  
TO 43+75

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW

DATE: 03/12/2024

REGISTERED PROFESSIONAL  
ENGINEER  
79184PE  
DIGITALLY SIGNED  
RICHARD C. WALKER  
EXPIRES: JUNE 30, 2024

JOB NUMBER  
9158-02

SHEET  
C303

SEE SHEET C304 FOR CONTINUATION

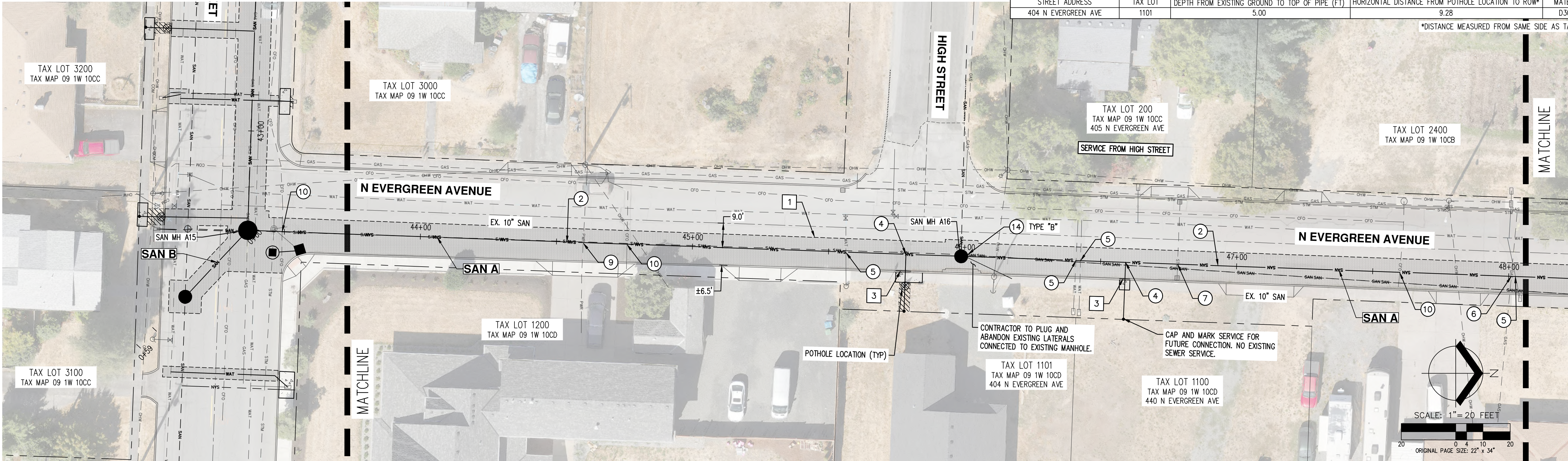
AKS  
AKS ENGINEERING & FORESTRY, LLC  
3700 RIVER RD N, STE 1  
KEIZER, OR 97303  
503.400.6028  
WWW.AKS-ENG.COM  
ENGINEERING · SURVEYING · NATURAL RESOURCES  
FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE  
MARION COUNTY TAX MAPS



AKS DRAWING FILE: 9158-02 SAN PLANDWG | LAYOUT: C304

SEE SHEET C303 FOR CONTINUATION

SEE SHEET C303 FOR CONTINUATION



SEE SHEET C305 FOR CONTINUATION

SANITARY KEYED NOTES:

1. (NOT USED)
2. INSTALL NEW 18" PVC F-679 SDR 35 SANITARY SEWER MAIN PER PROFILE.
3. (NOT USED)
4. INSTALL NEW SANITARY LATERAL PERPENDICULAR TO THE NEW SANITARY MAIN WITH TAPPING SADDLE (ROMAC STYLE "CB" SEWER SADDLE OR APPROVED EQUIVALENT). INSTALL NEW 2-WAY PROPERTY LINE CLEANOUT, PER CITY OF STAYTON STANDARD DRAWING NO. 528. USE CITY STANDARD FRAME AND COVER FOR PAVED SURFACES OR OLDCASTLE CHRISTY G03 FOR UNPAVED SURFACES. THE CONNECTION TO THE EXISTING SEWER SERVICE IS TO BE MADE AFTER THE PROPERTY LINE CLEANOUT, BEHIND THE RIGHT OF WAY IN ACCORDANCE WITH APPLICABLE PLUMBING CODES BY A LICENSED PLUMBING CONTRACTOR.
5. APPROXIMATE LOCATION OF WATER LINE CROSSING.
6. APPROXIMATE LOCATION OF GAS CROSSING.
7. APPROXIMATE LOCATION OF STORM PIPE CROSSING
8. (NOT USED)
9. APPROXIMATE LOCATION OF POWER CROSSING.
10. APPROXIMATE LOCATION OF CONCRETE CAPPED FIBER OPTIC LINE CROSSING.
11. (NOT USED)
12. (NOT USED)
13. (NOT USED)
14. INSTALL NEW 48" OUTSIDE DROP MANHOLE PER MODIFIED CITY OF SALEM STANDARD DRAWING NO. 102 AND CITY OF STAYTON STANDARD DRAWING NO. 518, 522, AND 524.
15. (NOT USED)
16. (NOT USED)

17. (NOT USED)

- (P) PROTECT AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
- (A) EXISTING SANITARY SEWER TO BE ABANDONED.

PAVEMENT RESTORATION KEYED NOTES: #

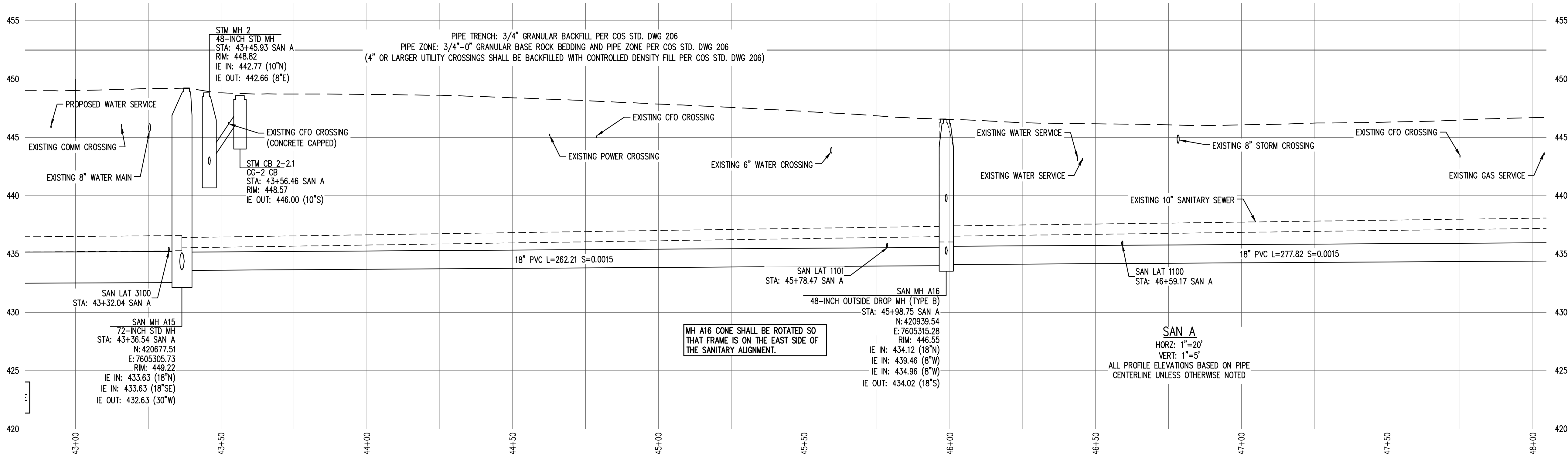
1. APPROXIMATE SAWCUT LIMITS. RESTORE TRENCH PER CITY OF STAYTON STANDARD DRAWING 318.
2. RESTORE CONCRETE DRIVEWAY/SIDEWALK TO NEAREST JOINT PER CITY OF STAYTON STANDARD DRAWING 340.
3. RESTORE CURB PER CITY OF STAYTON STANDARD DRAWING 337.
4. RESTORE DISTURBED AREA OUTSIDE OF PAVEMENT TO PREVIOUS CONDITION OR BETTER.

SANITARY SEWER NOTES:

1. ALL EXISTING UTILITY CROSSINGS THAT ARE 4" OR LARGER SHALL BE BACKFILLED DIRECTLY UNDER AND TO THE SPRING LINE OF THE EXISTING UTILITY PIPE WITH CONTROLLED DENSITY FILL UNLESS OTHERWISE NOTED. SUPPORT EXISTING UTILITIES AS NECESSARY.
2. CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES THAT CROSS OVER THE NEW SANITARY SEWER MAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL EXISTING UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE MODIFICATIONS WITHOUT DELAYING WORK. IF GRADE MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER, AND THE DESIGN ENGINEER SHALL OBTAIN APPROVAL FROM THE CITY ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. CONTRACTOR TO ENSURE 18" MINIMUM SEPARATION BETWEEN ADJACENT SANITARY LATERALS.
4. ALL STREETS AND STORM FACILITIES WITHIN THE PROJECT LIMITS SHALL BE CLEANED AT THE END OF CONSTRUCTION.
5. ALL PICK HOLES IN MANHOLES NEED TO BE GROUTED FLUSH WITH NON-SHRINK GROUT PRIOR TO MANHOLE VACUUM TESTING.
6. CONTRACTOR TO VERIFY EXISTING LOT LATERAL LOCATION AT PROPERTY LINE PRIOR TO STARTING CONSTRUCTION OF NEW LATERAL.

PAVEMENT RESTORATION LEGEND

- 1 AC TRENCH PATCH RESTORATION  
(5" OF LEVEL 3, 3/4" DENSE AC OVER  
12" OF 1"-0 AGGREGATE BASE)
- 2 CONCRETE RESTORATION
- 4 UNPAVED SURFACE RESTORATION



WIDA ST. SANITARY SEWER  
REPLACEMENT (PHASE 2)  
STAYTON  
TO 48+00

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW

DATE: 03/12/2024

REGISTERED PROFESSIONAL  
ENGINEER  
79184PE  
DIGITALLY SIGNED  
OREGON  
JUNE 2, 2011  
RICHARD C. WALKER  
EXPIRES: JUNE 30, 2024

REVISIONS

JOB NUMBER  
9158-02

SHEET  
C304

AKS  
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OREGON  
MARION COUNTY TAX MAPS



AKS DRAWING FILE: 9158-02 SAN PLANDWG | LAYOUT: C305

#### SANITARY KEYED NOTES:

- (NOT USED)
- INSTALL NEW 18" PVC F-679 SDR 35 SANITARY SEWER MAIN PER PROFILE.
- (NOT USED)
- INSTALL NEW SANITARY LATERAL PERPENDICULAR TO THE NEW SANITARY MAIN WITH TAPPING SADDLE (ROMAC STYLE "CB" SEWER SADDLE OR APPROVED EQUIVALENT). INSTALL NEW 2-WAY PROPERTY LINE CLEANOUT, PER CITY OF STAYTON STANDARD DRAWING NO. 528. USE CITY STANDARD FRAME AND COVER FOR PAVED SURFACES OR OLDCASTLE CHRISTY G03 FOR UNPAVED SURFACES. THE CONNECTION TO THE EXISTING SEWER SERVICE IS TO BE MADE AFTER THE PROPERTY LINE CLEANOUT, BEHIND THE RIGHT OF WAY IN ACCORDANCE WITH APPLICABLE PLUMBING CODES BY A LICENSED PLUMBING CONTRACTOR.
- APPROXIMATE LOCATION OF WATER LINE CROSSING.
- APPROXIMATE LOCATION OF GAS CROSSING.
- APPROXIMATE LOCATION OF STORM PIPE CROSSING
- (NOT USED)
- (NOT USED)
- APPROXIMATE LOCATION OF CONCRETE CAPPED FIBER OPTIC LINE CROSSING.
- (NOT USED)
- (NOT USED)
- INSTALL NEW 48" STANDARD MANHOLE PER CITY OF STAYTON STANDARD DRAWING NO. 502, 518, 522, AND 524
- INSTALL NEW 48" OUTSIDE DROP MANHOLE PER MODIFIED CITY OF SALEM STANDARD DRAWING NO. 102 AND CITY OF STAYTON STANDARD DRAWING NO. 518, 522, AND 524.
- (NOT USED)

#### (#)

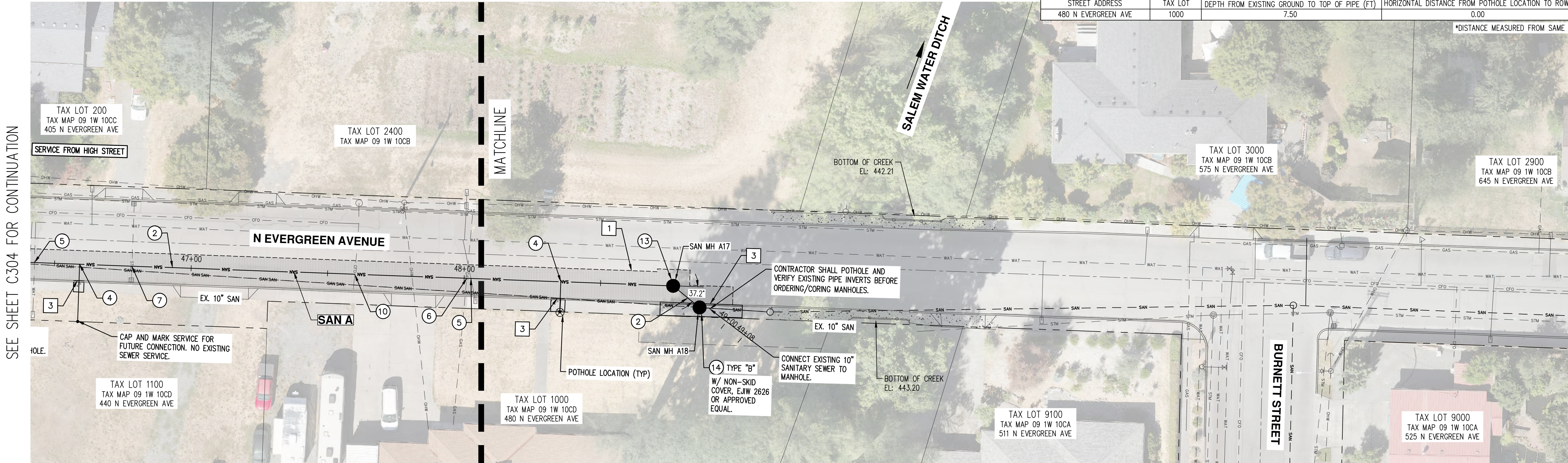
- (NOT USED)
- (NOT USED)
- PROTECT AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
- EXISTING SANITARY SEWER TO BE ABANDONED.

#### PAVEMENT RESTORATION KEYED NOTES: #

- APPROXIMATE SAWCUT LIMITS. RESTORE TRENCH PER CITY OF STAYTON STANDARD DRAWING 318.
- RESTORE CONCRETE DRIVEWAY/SIDEWALK TO NEAREST JOINT PER CITY OF STAYTON STANDARD DRAWING 340.
- RESTORE CURB PER CITY OF STAYTON STANDARD DRAWING 337.
- RESTORE DISTURBED AREA OUTSIDE OF PAVEMENT TO PREVIOUS CONDITION OR BETTER.

#### SANITARY SEWER NOTES:

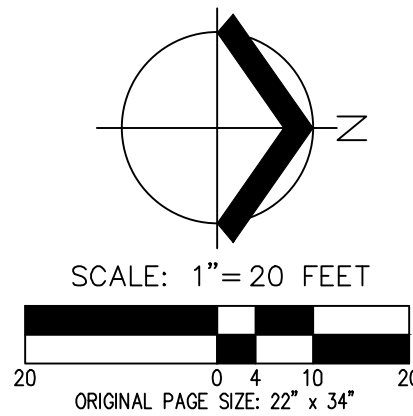
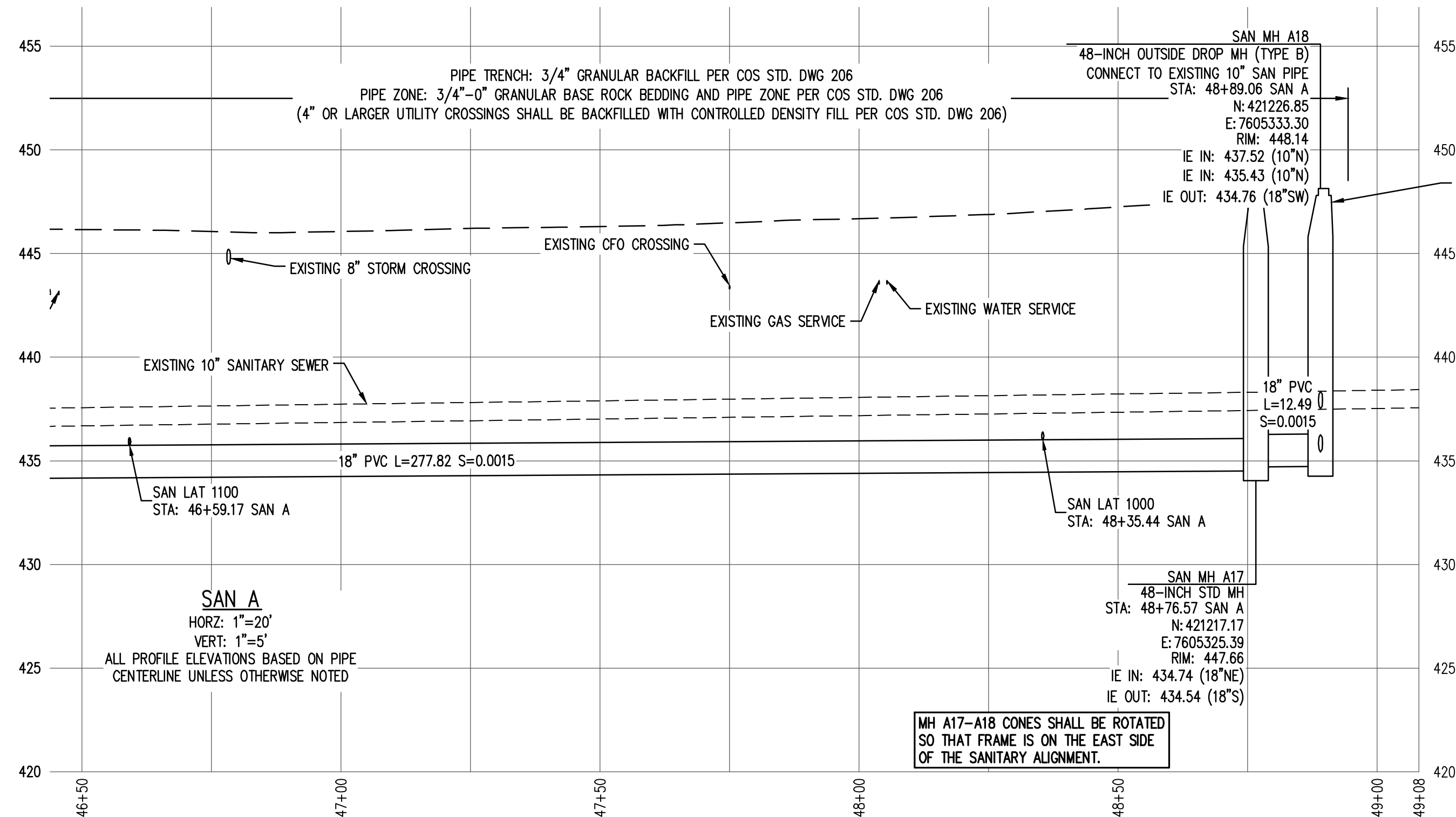
- ALL EXISTING UTILITY CROSSINGS THAT ARE 4" OR LARGER SHALL BE BACKFILLED DIRECTLY UNDER AND TO THE SPRING LINE OF THE EXISTING UTILITY PIPE WITH CONTROLLED DENSITY FILL UNLESS OTHERWISE NOTED. SUPPORT EXISTING UTILITIES AS NECESSARY.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES THAT CROSS OVER THE NEW SANITARY SEWER MAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL EXISTING UTILITY CONFLICTS FAR ENOUGH AHEAD TO OF CONSTRUCTION TO MAKE NECESSARY GRADE MODIFICATIONS WITHOUT DELAYING WORK. IF GRADE MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER, AND THE DESIGN ENGINEER SHALL OBTAIN APPROVAL FROM THE CITY ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
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SANITARY LATERAL POTHOLE DATA COLLECTED JAN. 2024 AT POTHOLE SYMBOL SHOWN			
STREET ADDRESS	TAX LOT	DEPTH FROM EXISTING GROUND TO TOP OF PIPE (FT)	HORIZONTAL DISTANCE FROM POTHOLE LOCATION TO ROW*
480 N EVERGREEN AVE	1000	7.50	0.00
			*DISTANCE MEASURED FROM SAME SIDE AS TAX LOT
			AC

#### PAVEMENT RESTORATION LEGEND

- AC TRENCH PATCH RESTORATION (5" OF LEVEL 3, 3/4" DENSE AC OVER 12" OF 1"-0 AGGREGATE BASE)
- CONCRETE RESTORATION
- UNPAVED SURFACE RESTORATION



## WIDA ST. SANITARY SEWER REPLACEMENT (PHASE 2)

## SANITARY SEWER PLAN AND PROFILE STA 48+00 TO 49+08

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW

DATE: 03/12/2024



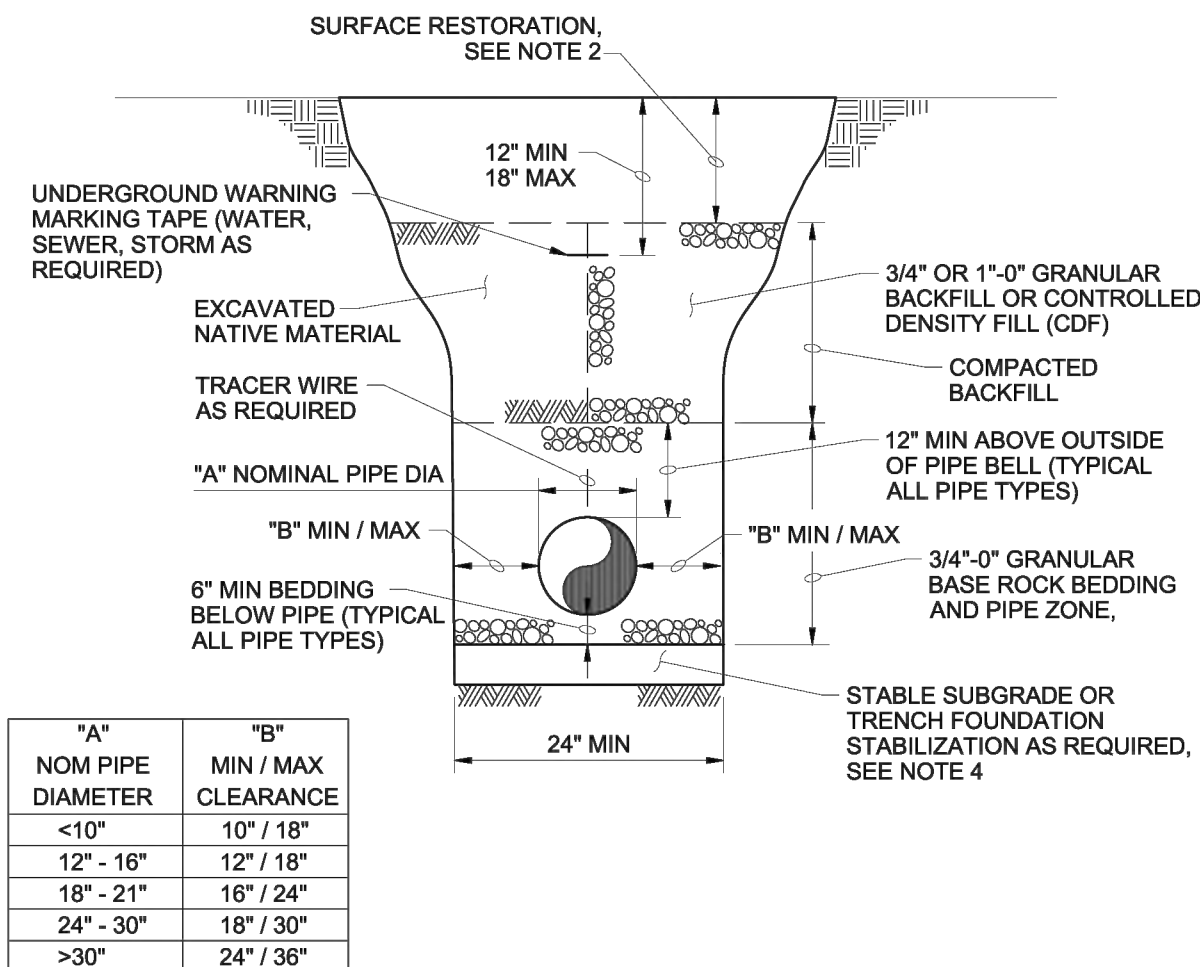
JOB NUMBER  
9158-02

SHEET  
C305


AKS  
AKS ENGINEERING & FORESTRY, LLC  
3700 RIVER RD N, STE 1  
KEIZER, OR 97303  
503.400.6028  
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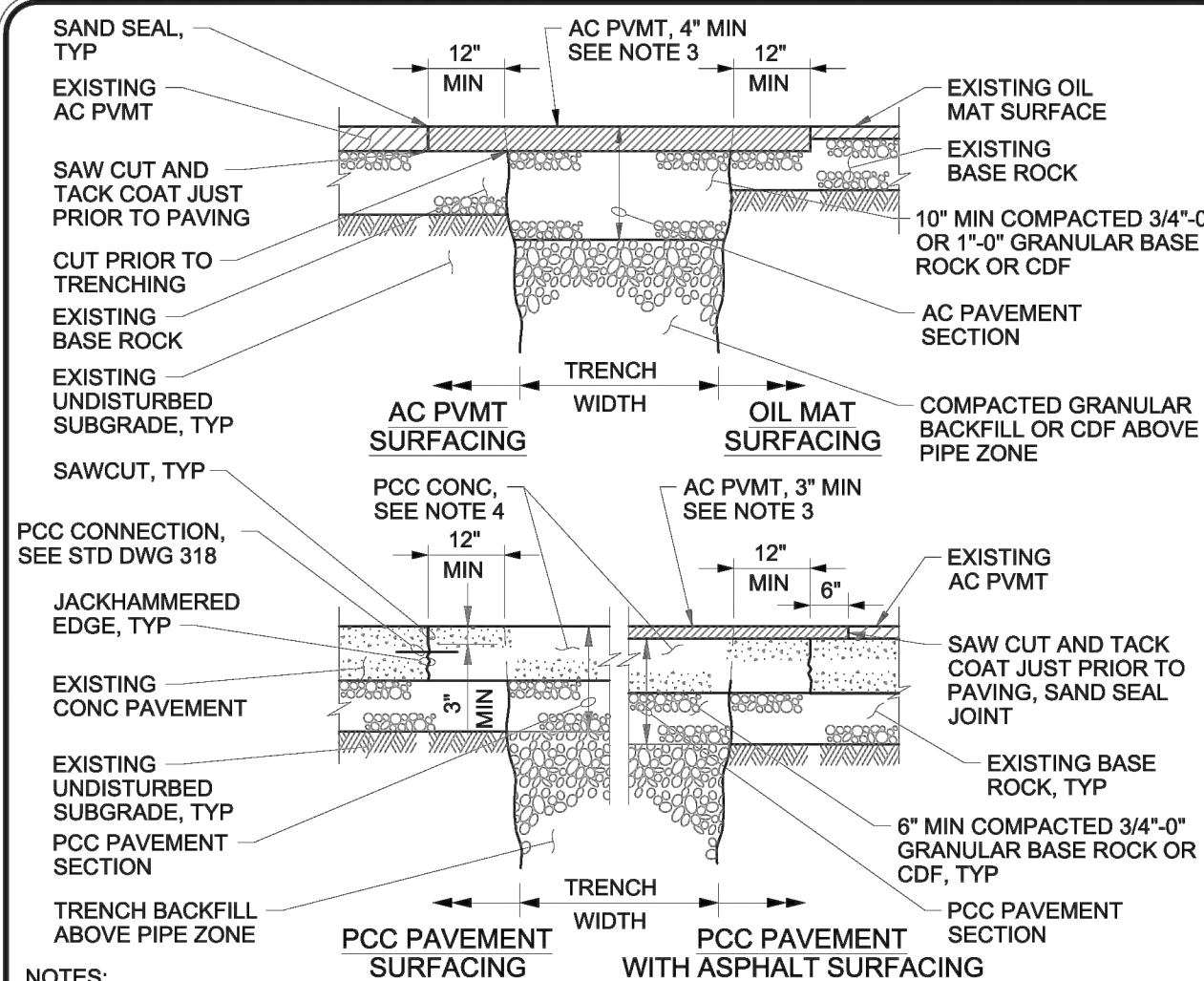
The selection and use of this Standard Drawing, while designed in accordance with standard engineering principles and practices, is the sole responsibility of the user.




- NOTES:**
1. SEE PLANS AND STANDARD CONSTRUCTION SPECIFICATIONS FOR TYPICAL TRENCH COMPACTION REQUIREMENTS. BEDDING AND PIPE ZONE SHALL BE COMPACTED TO A MINIMUM 90% PER AASHTO T-180.
  2. FOR TYPICAL TRENCH SURFACE RESTORATION, SEE STANDARD DRAWINGS 304, 316 AND 318.
  3. PIPE ZONE SHALL BE EXTENDED TO A MINIMUM 12-INCHES ABOVE OUTSIDE OF THE PIPE BELL, REGARDLESS OF THE TYPE OF PIPE MATERIAL INSTALLED. BEDDING AND PIPE ZONE MATERIAL SHALL BE COMPACTED, AS SPECIFIED, PRIOR TO BACKFILLING THE REMAINDER OF THE TRENCH.
  4. PIPE BEDDING SHALL BE PLACED ON STABLE SUBGRADE. WHEN REQUIRED, OR AS DIRECTED BY CITY ENGINEER, GRANULAR TRENCH FOUNDATION STABILIZATION SHALL BE PLACED PRIOR TO PLACEMENT OF THE BEDDING. SIZE AND DEPTH ARE DEPENDENT ON EXISTING SOIL CONDITIONS.
  5. FOR FLEXIBLE PIPE INSTALLATIONS, BOTTOM OF THE TRENCH SHORING SHALL BE ABOVE THE PIPE SPRINGLINE, PRIOR TO COMPACTING BEDDING AND PIPE ZONE MATERIAL UNDER THE PIPE HAUNCHES.

 DEPARTMENT OF PUBLIC WORKS  362 N. THIRD AVENUE STATION, CA 95740 PH: (925) 769-2915 FAX: (925) 767-0134	2021 EDITION REVIEWED BY _____ JTA / LSL _____ 09/21 NAME _____ DATE _____		STANDARD DRAWING TITLE  <b>TYPICAL TRENCH DETAIL</b>	NO SCALE  DIVISION  GENERAL DRAWING NO.  <b>206</b>
	REVISIONS _____ _____ _____			

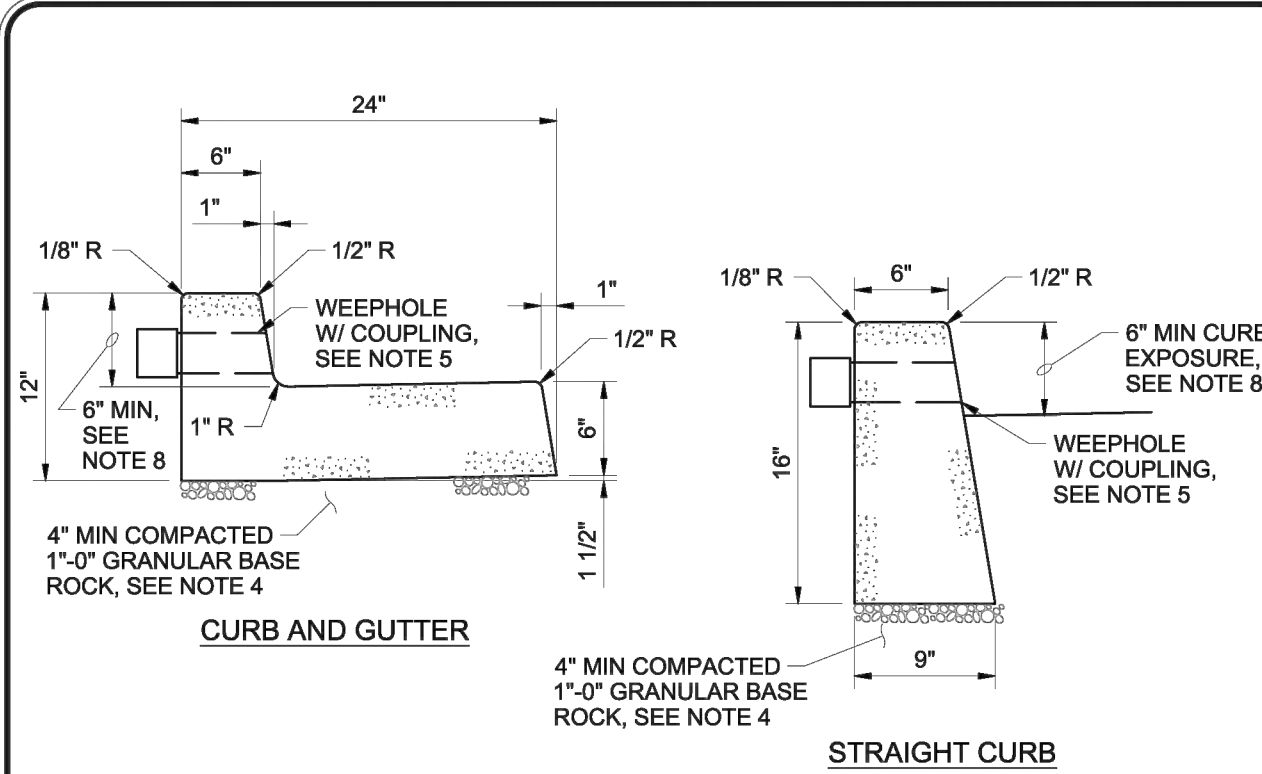
The selection and use of this Standard Drawing, while designed in accordance with standard engineering principles and practices, is the sole responsibility of the user.




- | NOTES: | SURFACING  | WITH ASPHALT SURFACING |
|--------|--|------------------------|
| 1.     | IF LOCATION OF TRENCH SAWCUT IS WITHIN 3' OF AN EXISTING JOINT OR EDGE, REPLACE THE ENTIRE ASPHALT OR PORTLAND CEMENT CONCRETE PAVEMENT SECTION TO THE EXISTING JOINT OR EDGE.   |                        |
| 2.     | ALL EXISTING AC AND PCC PAVEMENT SHALL BE SAWCUT JUST PRIOR TO PAVING. ALL CUT EDGES SHALL BE FREE OF LOOSE MATERIAL. SEE STANDARD DRAWING 304 FOR TYPICAL AC PVMT SECTION.  |                        |
| 3.     | AC PAVEMENT SHALL BE PER STANDARD DRAWING 304 COMPACTED IN TWO EQUAL LIFTS TO 91% PER ASPHTO T-209. PAVEMENT THICKNESS SHALL MATCH EXISTING OR 4" MIN, WHICHEVER IS GREATER. ALL EDGES SHALL BE TACK COATED PRIOR TO PAVING AND SAND SEALED AFTER COMPLETION.  |                        |
| 4.     | PCC PAVEMENT SHALL BE 6,000 PSI AND SHALL MATCH EXISTING THICKNESS OR 7" MIN FOR LOCAL STREETS, 8" MIN FOR COLLECTOR STREETS, OR 9" MIN FOR ARTERIAL STREETS, WHICHEVER IS GREATER. CONSTRUCT JOINTS ACROSS NEW CONCRETE TO MATCH EXISTING JOINT TYPES AND LOCATIONS. SEE STANDARD DRAWING 304 FOR TYPICAL PCC PAVEMENT SECTION. |                        |
| 5.     | GRANULAR BASE ROCK SHALL BE 1'-0" COMPACTED TO A MIN 95% PER ASPHTO T-180. THICKNESS SHALL MATCH EXISTING OR BE MINIMUM SHOWN, WHICHEVER IS GREATER.   |                        |
| 6.     | A FULL WIDTH STREET OVERLAY OR GRIND/INLAY MAY BE REQUIRED DEPENDING UPON THE EXTENT OF NEW AND EXISTING PAVEMENT CUTS.  |                        |

 <p>DEPARTMENT OF PUBLIC WORKS</p> <p>362 N. THIRD AVENUE ST. LOUIS, MO 63102 TEL: (630) 785-2919 FAX: (630) 785-0134</p>	<p>2021 EDITION</p> <p>REVIEWED BY</p> <p>JTA / LSL</p> <p>DATE</p>		<p>STANDARD DRAWING TITLE</p> <p><b>PAVEMENT SURFACE RESTORATION</b></p>		<p>NO SCALE</p> <p>DIVISION</p> <p>STREET</p> <p>DRAWING NO.</p>
	<p>NAME</p>				<p>318</p>
	<p>REVISIONS</p>				

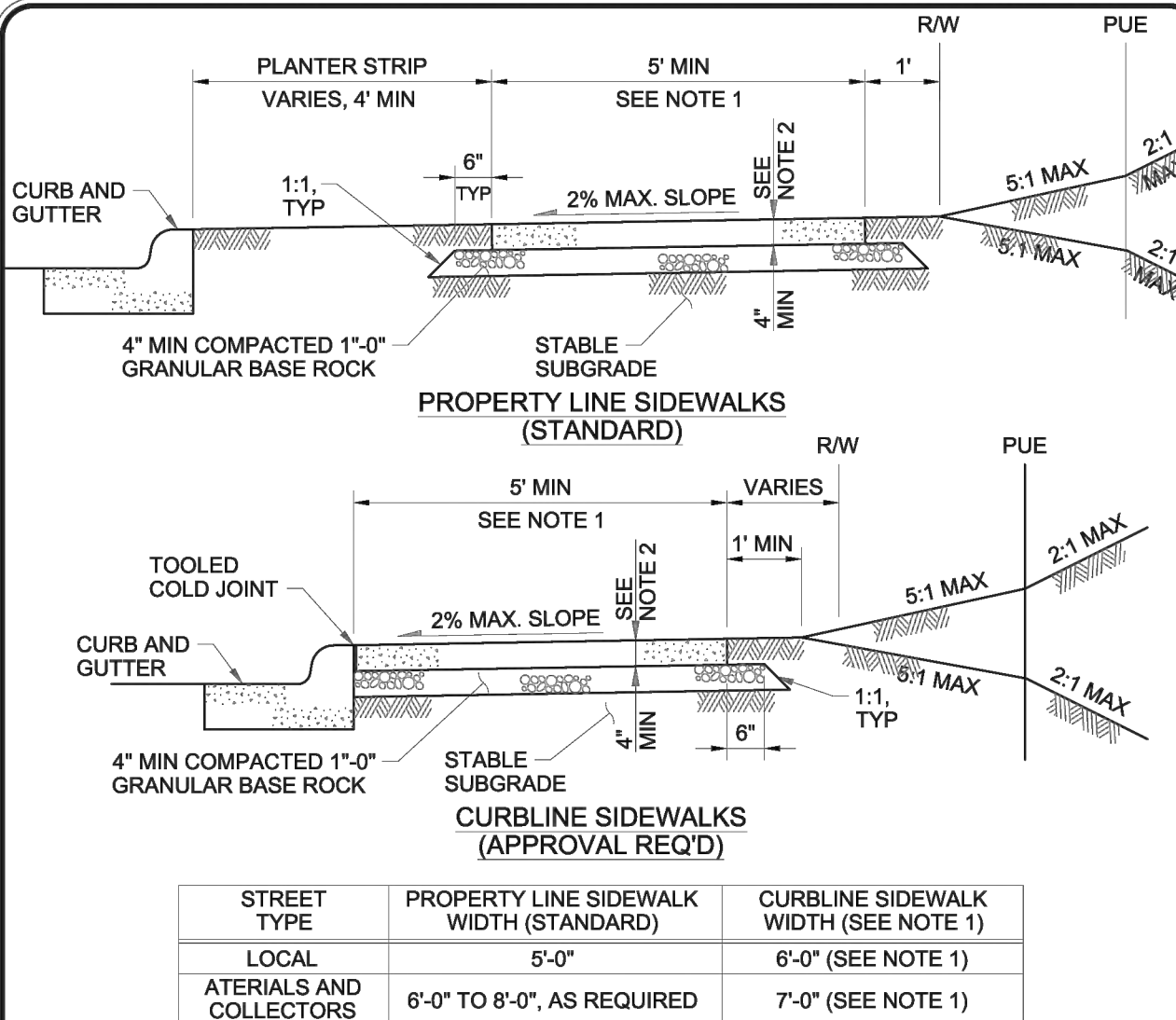
The selection and use of this Standard Drawing, while designed in accordance with standard engineering principles and practices, is the sole responsibility of the user.




- NOTES:**
1. CONCRETE TO HAVE COMPRESSIVE STRENGTH OF 3,300 PSI AT 28 DAYS.
  2. CONTRACTION JOINTS SHALL BE PLACED AT A SPACING OF NOT MORE THAN 15 FEET WITH A DEPTH OF JOINT OF AT LEAST 1-1/2 INCHES.
  3. EXPANSION JOINT MATERIAL TO BE PRE-MOLDED, ASPHALT IMPREGNATED, NON-EXTRUDING, WITH A THICKNESS OF 1/2-INCH. EXPANSION JOINT TO BE PROVIDED AT EACH:
    - POINT OF TANGENCY.
    - COLD JOINT.
    - SIDE OF INLET STRUCTURES.
    - SIDE OF DRIVEWAYS.
  4. GRANULAR BASE ROCK SHALL BE 1'-0" COMPACTED TO 95% PER AASHTO T-180. BASE ROCK SHALL BE TO SUBGRADE OF STREET STRUCTURE OR 4-INCHES, WHICHEVER IS GREATER, AND SHALL EXTEND 12-INCHES BEHIND THE CURB.
  5. DRAINAGE WEEPHOLE SHALL BE:
    - 3-INCH DIAMETER SCHEDULE 40 PVC.
    - CENTERED WITH CONTRACTION JOINTS.
    - CORE DRILLED THROUGH EXISTING CURBS FOR DRAINAGE ACCESS 1/2" MIN, 1" MAX ABOVE FLOW LINE.
  6. CURBS AND GUTTERS SHOWN MAY BE USED WITH EITHER AC OR PCC PAVEMENTS.
  7. TRANSITION FROM ONE CURB TYPE TO ANOTHER WILL BE DETAILED ON PLANS AS NECESSARY.
  8. CURB EXPOSURE FOR ARTERIAL STREETS SHALL BE 7".

 <p> <b>CITY OF PORTLAND</b>  <b>DEPARTMENT OF</b>  <b>PUBLIC WORKS</b>            362 N. THIRD AVENUE          PORTLAND, OREGON 97208          FAX: (503) 780-4354       </p>	<b>2021 EDITION</b>		<b>STANDARD DRAWING TITLE</b>	<b>NO SCALE</b>
	<b>JTA / LSL</b>	<b>09/21</b>	<b>INFILL AND RETROFIT PCC CURB AND GUTTER AND STRAIGHT CURBS</b>	<b>DIVISION</b>
	<b>REVIEWED BY</b>	<b>DATE</b>		<b>STREET</b>
	<b>NAME</b>	<b>DATE</b>		<b>DRAWING NO.</b>
	<b>REVISIONS</b>			<b>337</b>

The selection and use of this Standard Drawing, while designed in accordance with standard engineering principles and practices, is the sole responsibility of the user.

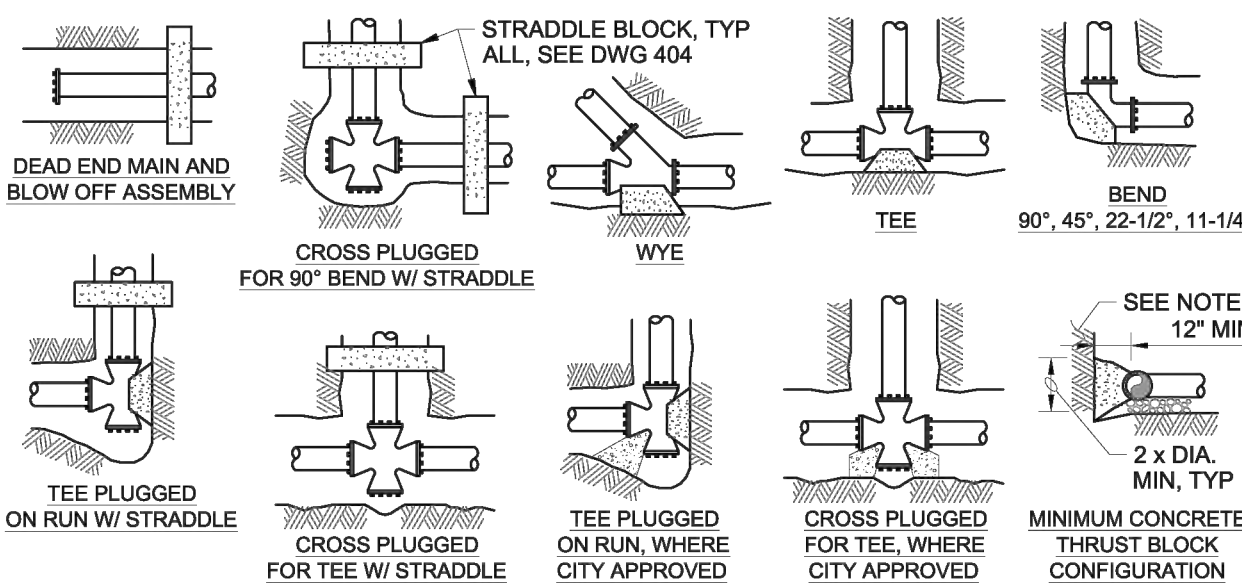


- NOTES:**
1. CURBLINE SIDEWALKS ARE NOT PERMITTED WITHOUT CITY ENGINEER APPROVAL. WHERE CURBLINE SIDEWALKS ABUT HANDICAP PARKING STALLS, INCREASE WIDTHS SHOWN BY 1'-0".
  2. CONCRETE THICKNESS FOR SIDEWALKS SHALL BE NOMINAL 4" MIN. THICKNESS IN DRIVEWAYS SHALL BE 6" MIN. COMMERCIAL DRIVEWAYS SHALL BE 8" MIN.
  3. CONCRETE SHALL BE 3,300 PSI AT 28 DAY STRENGTH WITH 2" TO 4" SLUMP.
  4. PANELS TO BE 5' LONG, REGARDLESS OF PANEL WIDTH. CONTRACTION JOINTS SHALL BE PLACED AT ALL CHANGES IN DIRECTION, POINTS OF CURVATURE, AND AT 15' MAX INTERVALS.
  5. CURB DRAINS SHALL BE EXTENDED TO BACK OF SIDEWALK WITH 3" DIAMETER SCHEDULE 40 PVC PIPE SLOPED TO GUTTER. CONTRACTION JOINT SHALL BE PLACED OVER PIPE. SEE STD DWG 338.
  6. SIDEWALKS SHALL BE LOCATED ENTIRELY WITHIN RIGHT-OF-WAY OR SIDEWALK EASEMENTS, INCLUDING WIDENED SIDEWALKS AT DRIVEWAY APRONS.


 <p>DEPARTMENT OF PUBLIC WORKS</p> <p>362 N. THIRD AVENUE FIFTH FLOOR CHICAGO, ILL. 60610 TEL. (312) 769-5919 FAX. (312) 769-2134</p>	<p>2021 EDITION</p> <p>REVIEWED BY _____</p> <p>JTA / LSL _____ 09/21</p> <p>NAME _____ DATE _____</p>		<p>STANDARD DRAWING TITLE</p>	<p>NO SCALE</p>
	<p>REVISIONS</p>		<p>TYPICAL CONCRETE SIDEWALK</p>	<p>DIVISION</p>
	<p>_____</p>			<p>STREET</p>
	<p>_____</p>			<p>DRAWING NO.</p>
				<p>340</p>

The selection and use of this Standard Drawing, while designed in accordance with standard engineering principles and practices, is the sole responsibility of the user.

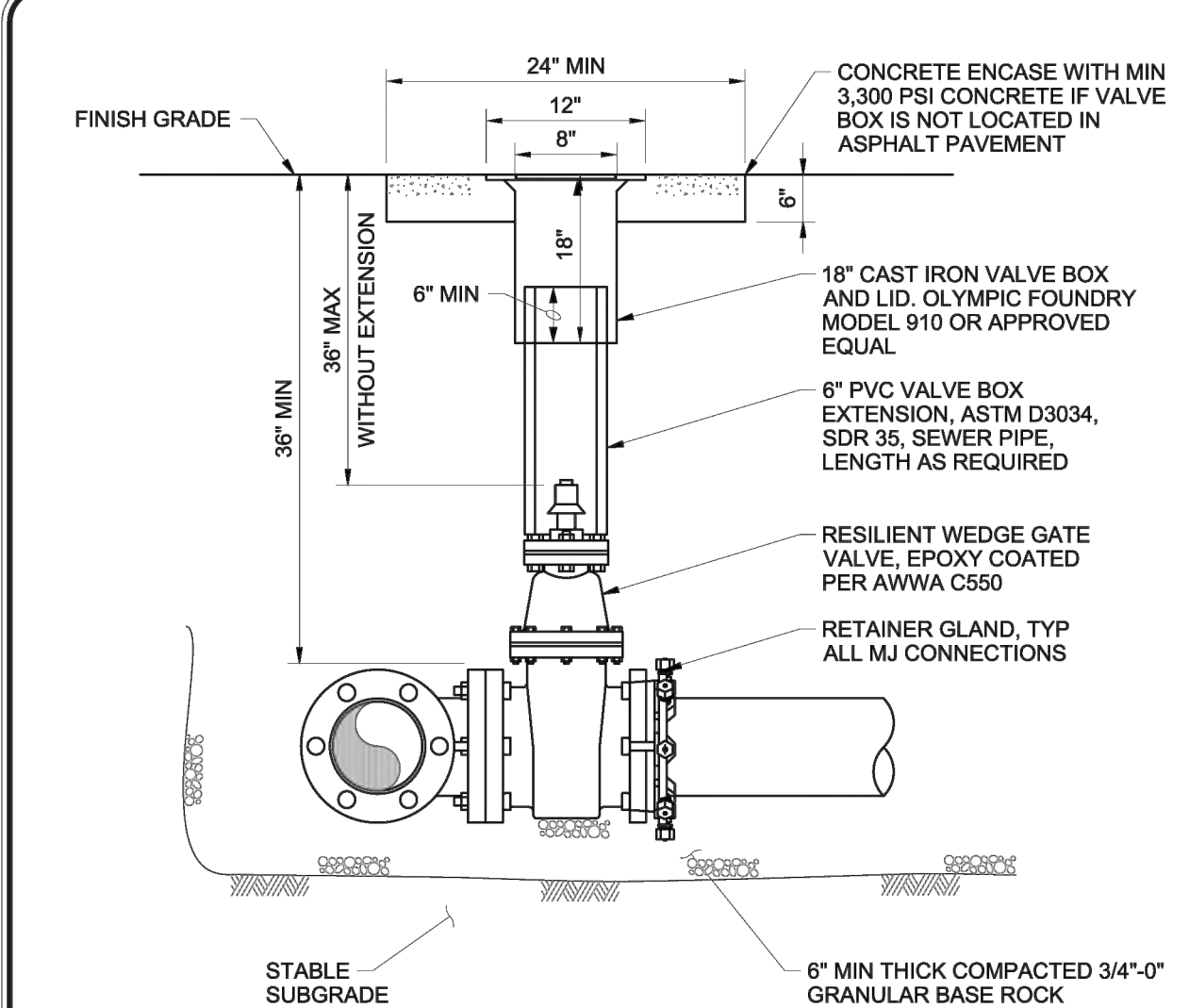
HORIZONTAL BEARING AREA OF THRUST BLOCKS (SQUARE FEET)						
FITTING SIZE	HYDRANT, TEE AND WYE	90° BEND, PLUGGED CROSS, AND TEE PLUGGED ON RUN	45° BEND	22-1/2° BEND	11-1/4° BEND	
4"	1.9	2.7	1.4	1.0	1.0	
6"	4.2	6.0	3.2	1.7	1.0	
8"	7.5	10.7	5.8	2.9	1.5	
10"	11.8	16.7	9.0	4.6	2.3	
12"	17.0	24.0	13.0	6.6	3.3	
>16"	BY DESIGN ENGINEER					




- NOTES:
1. ALL NEW WATERLINES SHALL BE MECHANICALLY AND INTERNALLY RESTRAINED WHERE POSSIBLE. THE USE OF CONCRETE THRUST BLOCKING FOR NEW WATERLINES WILL BE LIMITED TO CERTAIN APPLICATIONS AND WILL REQUIRE APPROVAL OF THE CITY ENGINEER. SEE STANDARD DRAWING 406 FOR MECHANICAL JOINT RESTRAINT REQUIREMENTS. ALL CONCRETE THRUST BLOCKING, STRADDLE BLOCKING, AND MECHANICAL RESTRAINT LENGTHS SHALL BE REVIEWED BY THE DESIGN ENGINEER.
  2. ABOVE BEARING AREAS ARE BASED ON THE FOLLOWING ASSUMPTIONS: TEST PRESSURE OF 150 PSI, A 1.5 FACTOR OF SAFETY, AND AN ALLOWABLE SOIL BEARING STRESS OF 1,500 PSF. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, CONTACT THE CITY ENGINEER.
  3. CONTRACTOR SHALL PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE. THRUST BLOCKING CONFIGURATIONS MAY NOT WORK FOR ALL FITTINGS OR FITTING SIZES. CONFIRM USE OF BLOCKING CONFIGURATIONS WITH THE DESIGN ENGINEER. SPECIAL CARE SHALL BE TAKEN DURING CONSTRUCTION TO ENSURE CONCRETE BLOCKING IS Poured AGAINST UNDISTURBED SOIL.
  4. CONCRETE SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 3,300 PSI. KEEP CONCRETE CLEAR OF JOINT AND JOINT ACCESSORIES. FITTINGS SHALL BE WRAPPED IN 6 MIL PLASTIC PRIOR TO PLACEMENT OF CONCRETE.
  5. CONCRETE GRAVITY BLOCKING IS NOT PERMITTED UNDER ANY CIRCUMSTANCES.
  6. FOR CONFIGURATIONS SHOWN WITH CONCRETE STRADDLE BLOCKS, SEE STANDARD DRAWING 404.

 DEPARTMENT OF PUBLIC WORKS  302 N. THIRD AVENUE CHICAGO, ILL. 60610 PH: (312) 769-3191 FAX: (312) 761-4734	2021 EDITION REVIEWED BY JTA / LSL 09/21 DATE		STANDARD DRAWING TITLE  HORIZONTAL THRUST BLOCKING	NO SCALE DIVISION WATER DRAWING NO. 402
	NAME REVISIONS			

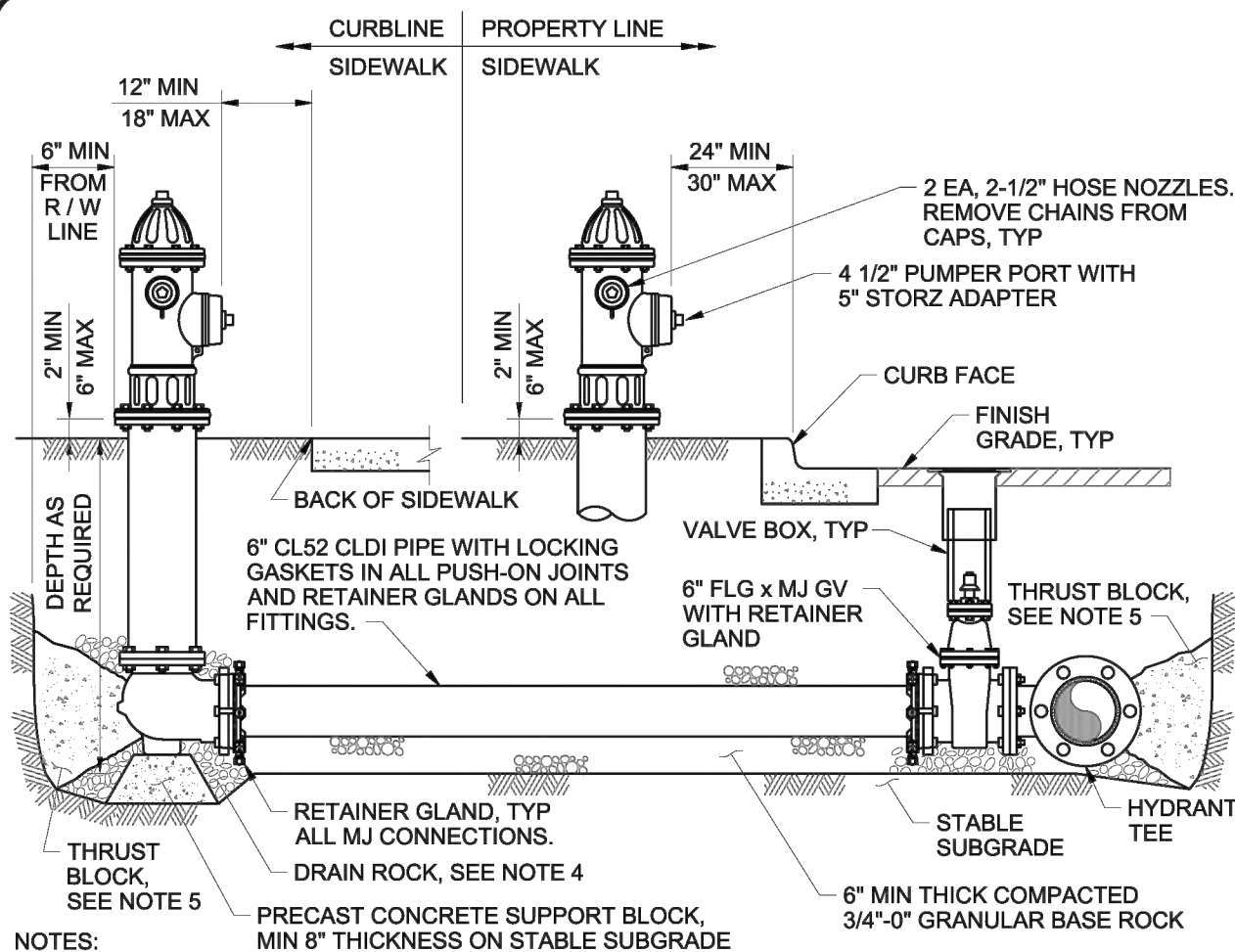
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- NOTES:**
1. ALL DISTRIBUTION VALVES 2-INCH THROUGH 10-INCH DIAMETER SHALL BE RESILIENT-SEATED WEDGE NON-RISING STEM GATE VALVES CONFORMING TO AWWA C509 OR C515, AND EPOXY COATED PER AWWA C590. VALVES SHALL OPEN IN A COUNTER-CLOCKWISE DIRECTION.
  2. ALL VALVES SHALL BE FLANGE CONNECTED TO ADJACENT TEES OR CROSSES, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
  3. ALL OPERATING NUTS SHALL BE 2-INCH SQUARE NUTS.
  4. VALVE BOXES SHALL BE PLUMB AND CENTERED DIRECTLY OVER THE VALVE OPERATING NUT AND ADJUSTED TO MEET FINISH GRADE.
  5. VALVE BOX EXTENSION SHALL BE A CONTINUOUS PVC PIPE WITH NO BELLS OR COUPLERS.

 <p>DEPARTMENT OF PUBLIC WORKS</p> <p>366 N. THIRD AVENUE STATION, GR 63000 HOUSTON, TEXAS 77002 Tel: (832) 768-2979 Fax: (832) 767-2334</p>	2021 EDITION		STANDARD DRAWING TITLE		NO SCALE	
	REVIEWED BY		<p><b>GATE VALVE AND VALVE BOX ASSEMBLY</b></p>		DIVISION	
	JTA / LSL	09/21			WATER	
	NAME	DATE			DRAWING NO.	
REVISIONS				408		

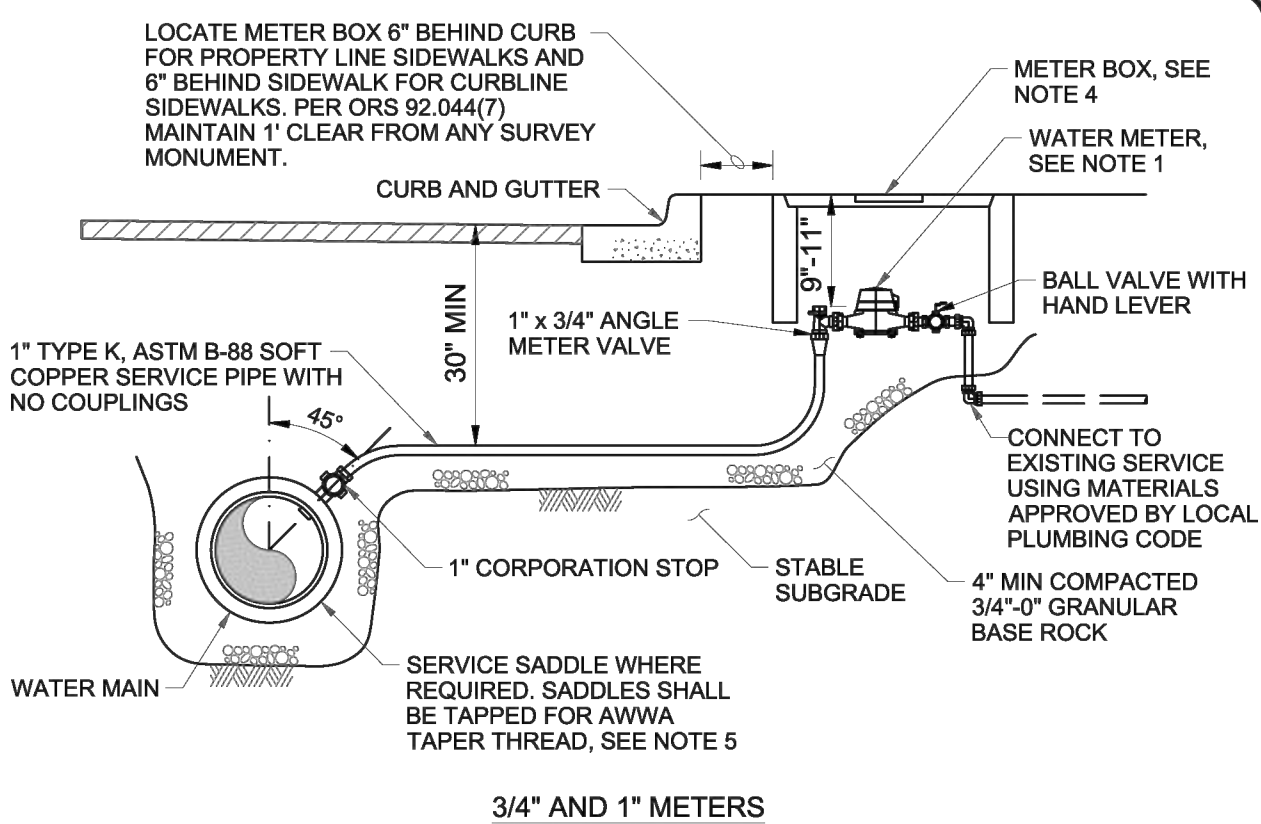
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- NOTES:
- MIN 8" THICKNESS ON STABLE SUBGRADE
- SH-2 GRANULAR BASE ROCK
1. FIRE HYDRANTS SHALL CONFORM TO AWWA STANDARD C502 DRY-BARREL FIRE HYDRANTS, WITH COMPRESSION TYPE MAIN VALVE AND TRAFFIC FLANGE, AND SHALL BE KENNEDY K-8ID GUARDIAN OR WATEROUS 5-1/4 PACER, WITH "SAFETY YELLOW" EPOXY COATING BY THE MANUFACTURER. FIRE HYDRANTS SHALL BE SET PLUMBS IN ALL DIRECTIONS WITH PUMPER PORT FACING DIRECTION OF ACCESS.
2. VERTICAL EXTENSIONS REQUIRED FOR HYDRANTS SET TOO LOW WILL NOT BE ALLOWED UNLESS SPECIALLY APPROVED BY THE CITY ENGINEER. WHERE APPROVED, SUCH EXTENSIONS SHALL BE PROVIDED BY THE CONTRACTOR AND INSTALLED TO THE MANUFACTURER'S SPECIFICATIONS.
3. FIRE HYDRANTS SHALL BE LOCATED TO ALLOW A MINIMUM OF 5-FEET CLEAR SPACE SURROUNDING ALL PORTIONS OF THE HYDRANT. THERE SHALL BE NO OBSTACLES DIRECTLY IN LINE WITH ANY OF THE PORTS OF THE HYDRANT FOR A DISTANCE OF 6-FEET. FIRE HYDRANTS SHALL NOT BE LOCATED WITHIN SIDEWALKS OR OTHER WALKWAYS WITHOUT PRIOR CITY ENGINEER AND FIRE CODE OFFICIAL APPROVAL.
4. MINIMUM 4 CUBIC FEET OF 1-1/2" CLEAN DRAIN ROCK SHALL BE PLACED AROUND HYDRANT SHOE UP TO 6" MINIMUM ABOVE THE HYDRANT DRAIN OUTLETS.
5. THRUST BLOCKING WHERE REQUIRED AND AS DIRECTED BY CITY ENGINEER SHALL BE PER STANDARD DRAWING 402. PIPE AND FITTINGS IN CONTACT WITH CONCRETE SHALL BE WRAPPED WITH 8 MIL PLASTIC PRIOR TO CONCRETE PLACEMENT. CONCRETE SHALL NOT BLOCK HYDRANT DRAIN OUTLETS.

 <p>DEPARTMENT OF PUBLIC WORKS</p> <p>382 S THIRD AVENUE PORTLAND, OR 97204 PH: (503) 788-2919 FAX: (503) 787-3136</p>	2021 EDITION		STANDARD DRAWING TITLE		NO SCALE	
	REVIEWED BY				DIVISION	
	JTA / LSL	09/21			WATER	
NAME		DATE	STANDARD FIRE HYDRANT ASSEMBLY		DRAWING NO.	
REVISIONS					414	

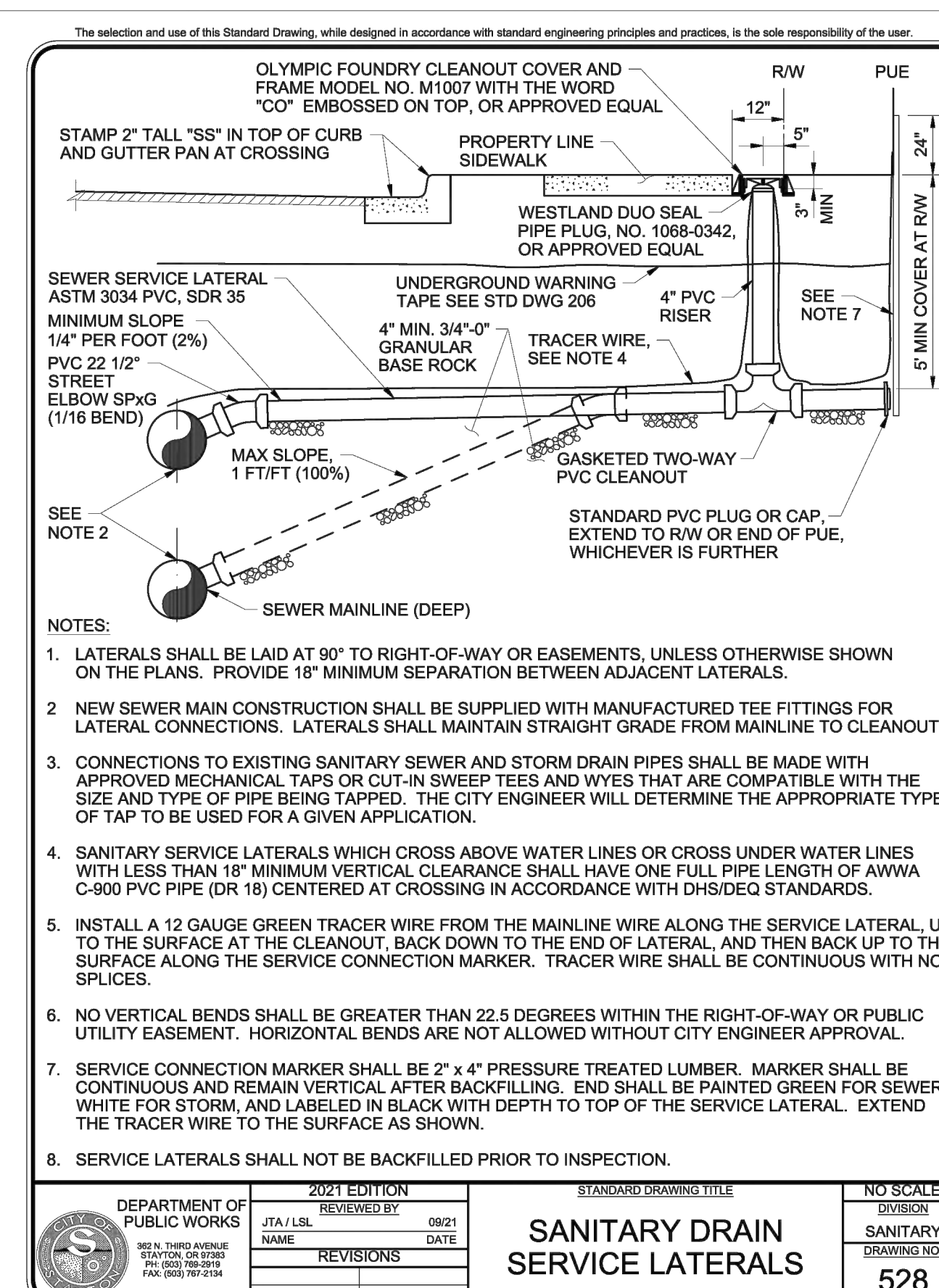
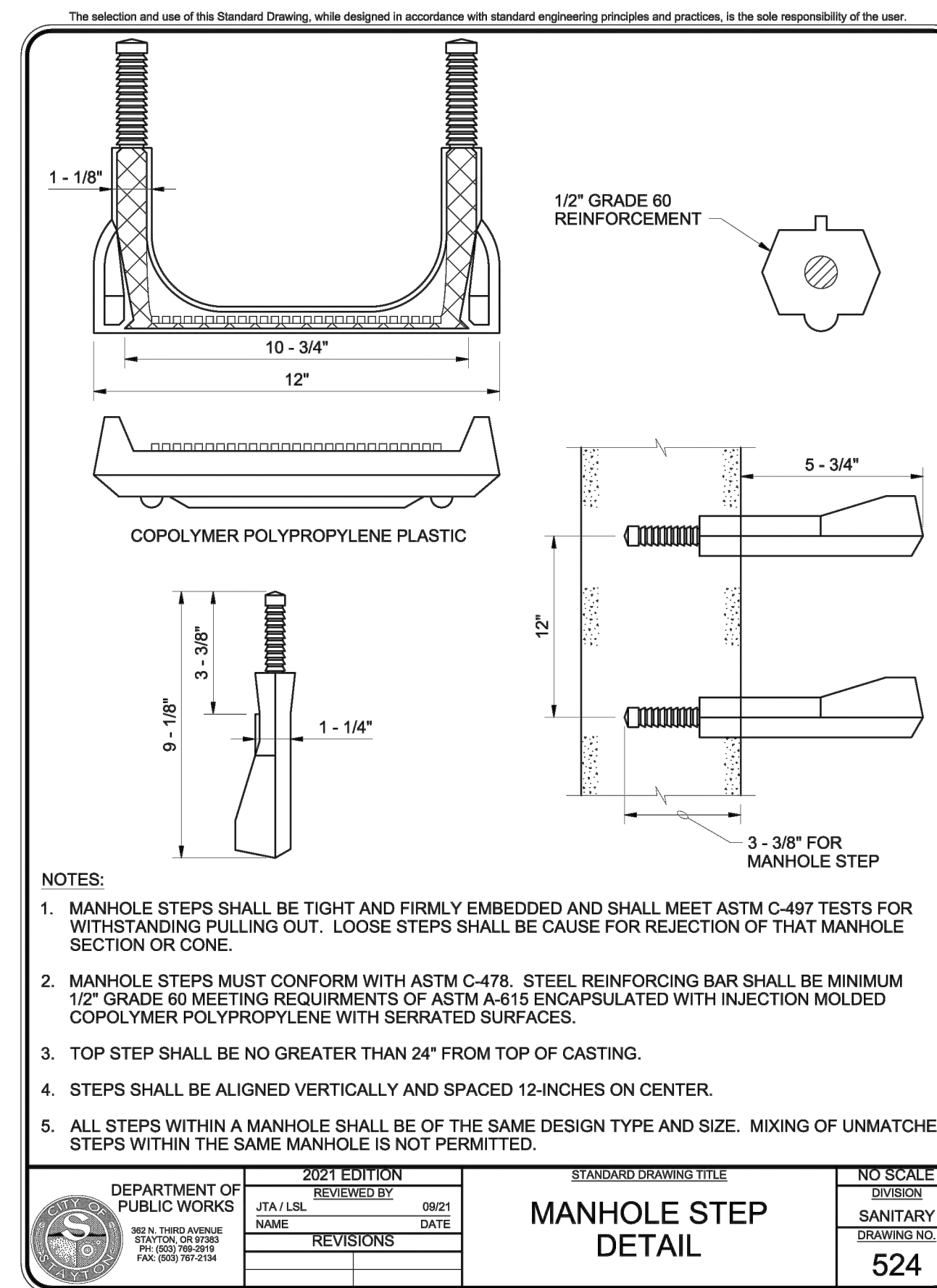
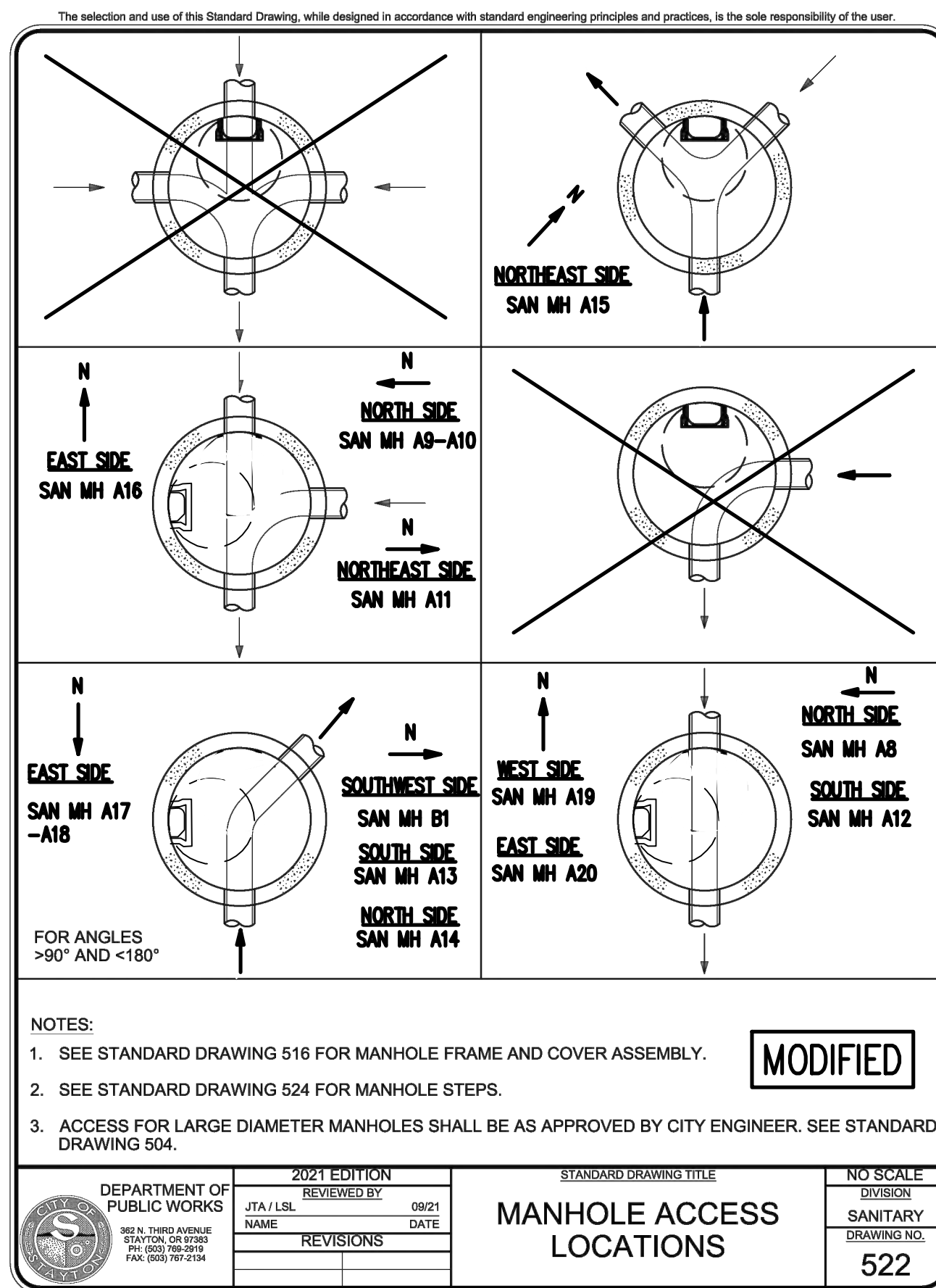
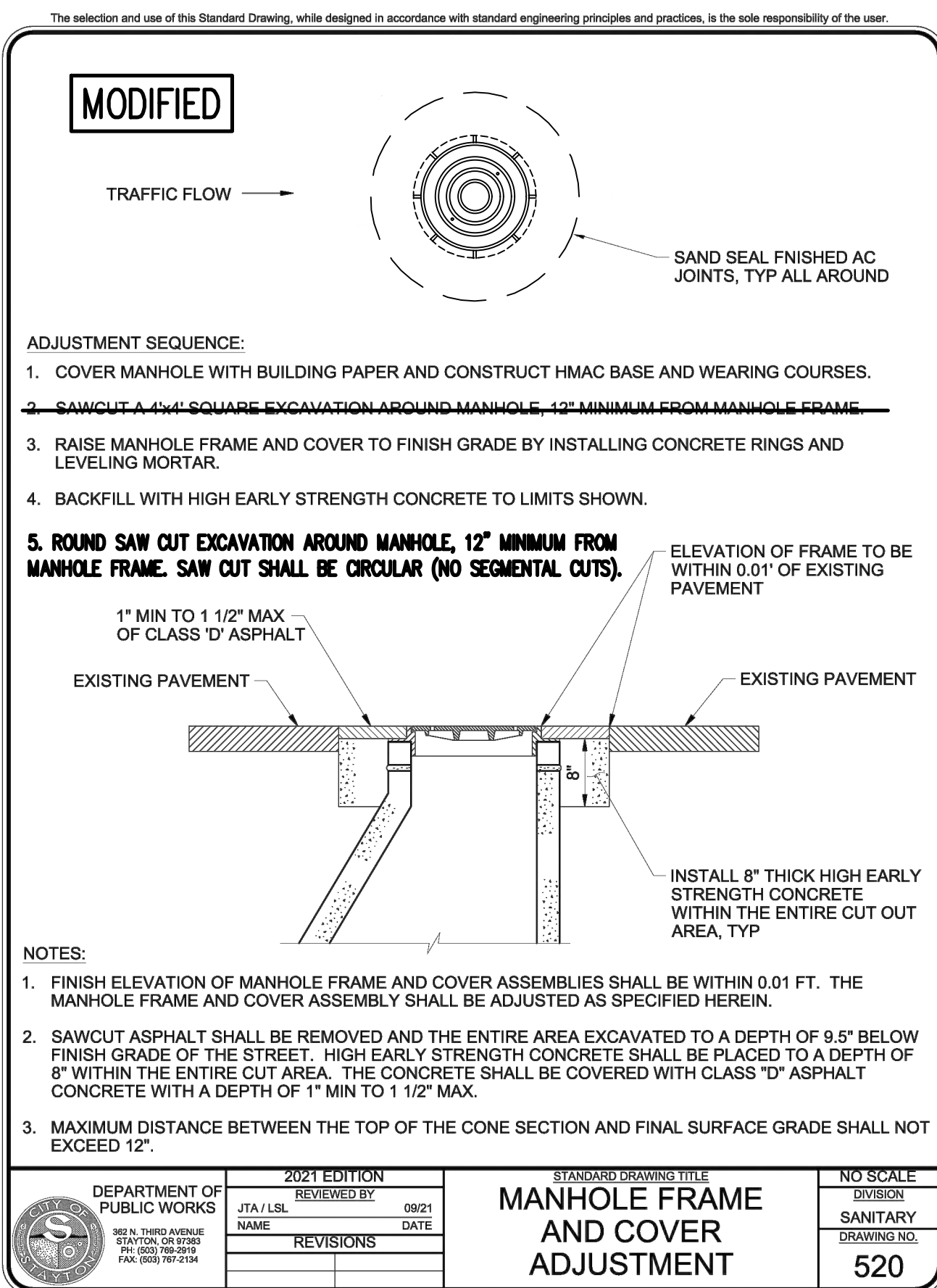
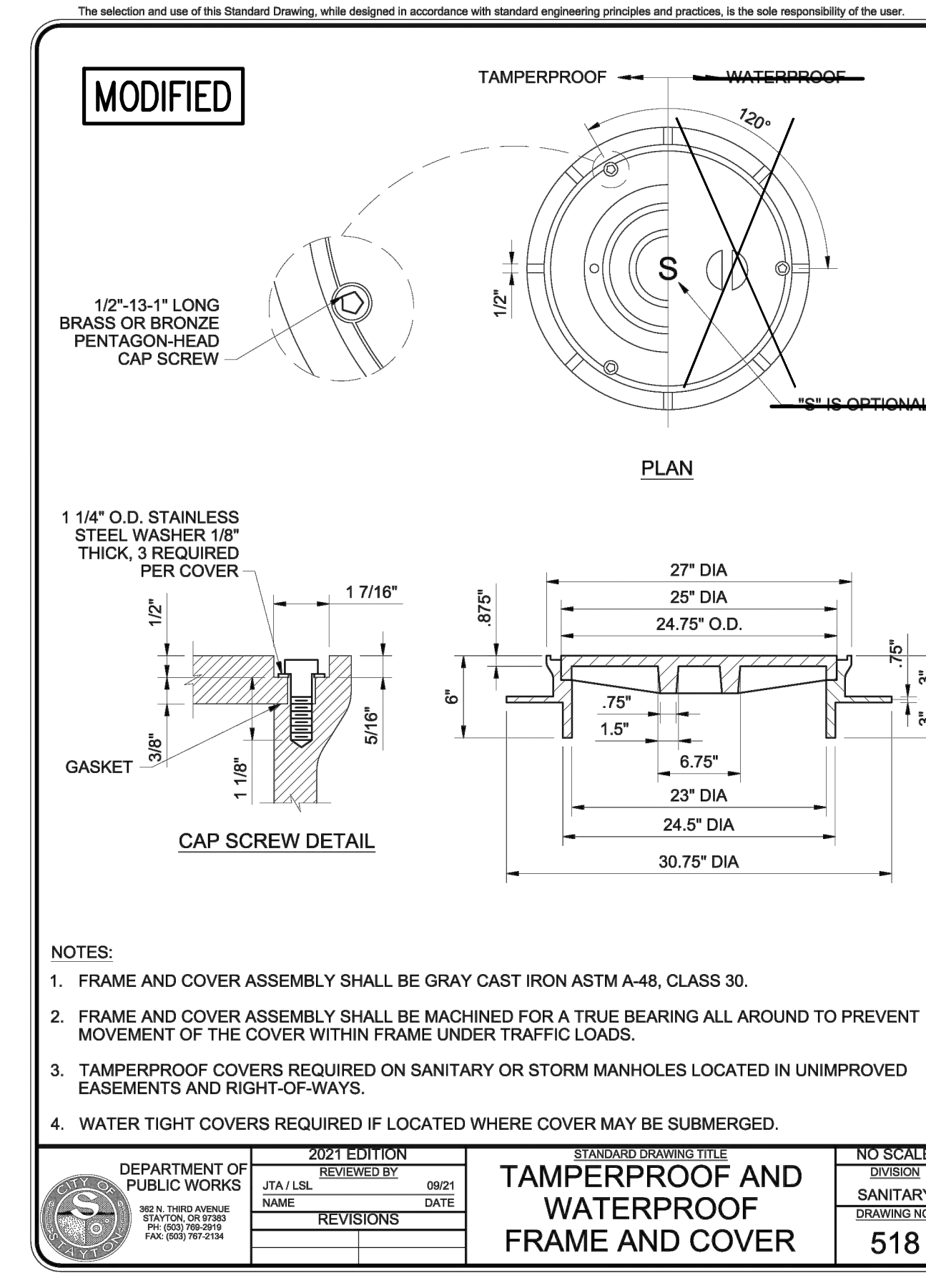
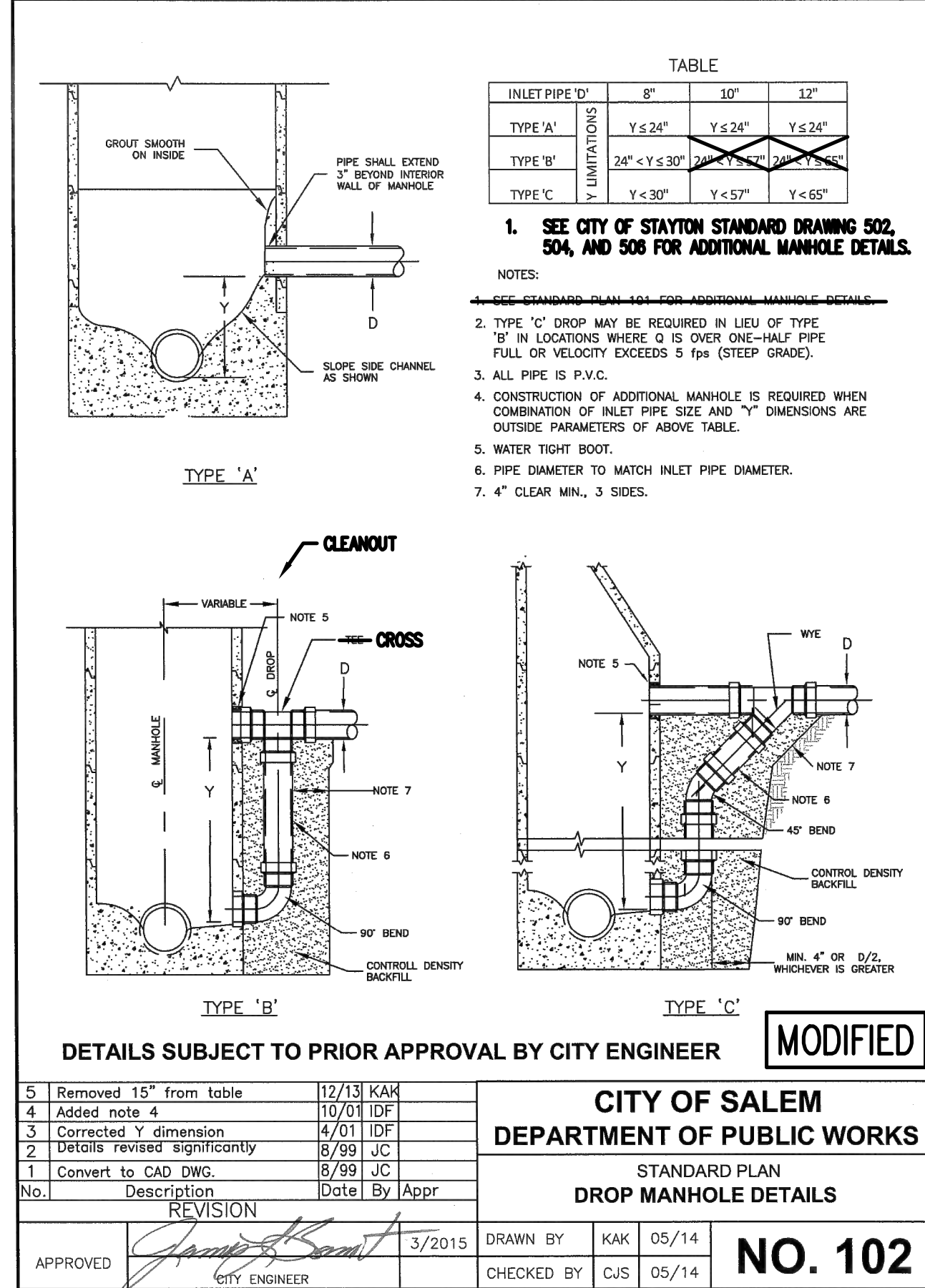
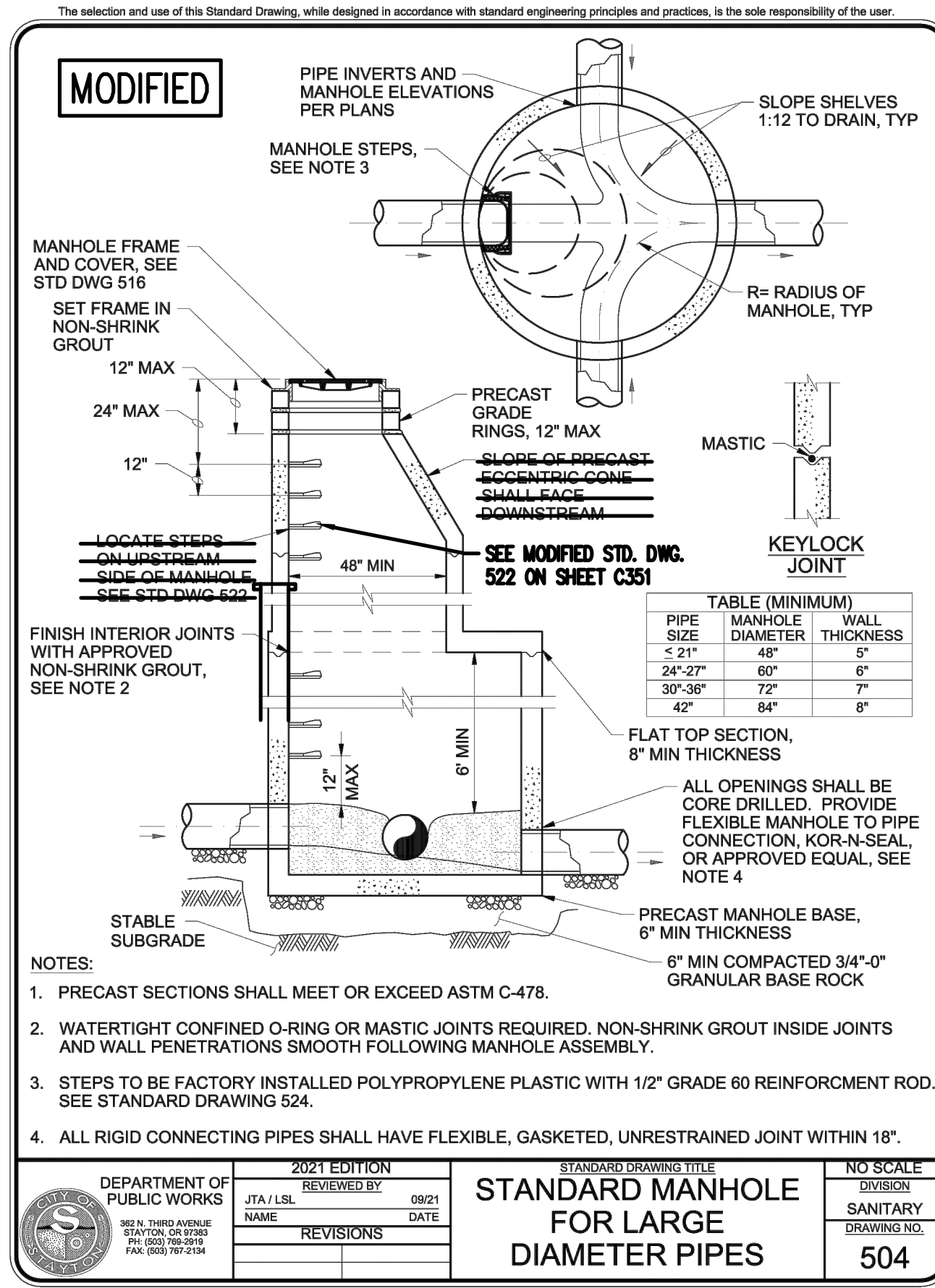
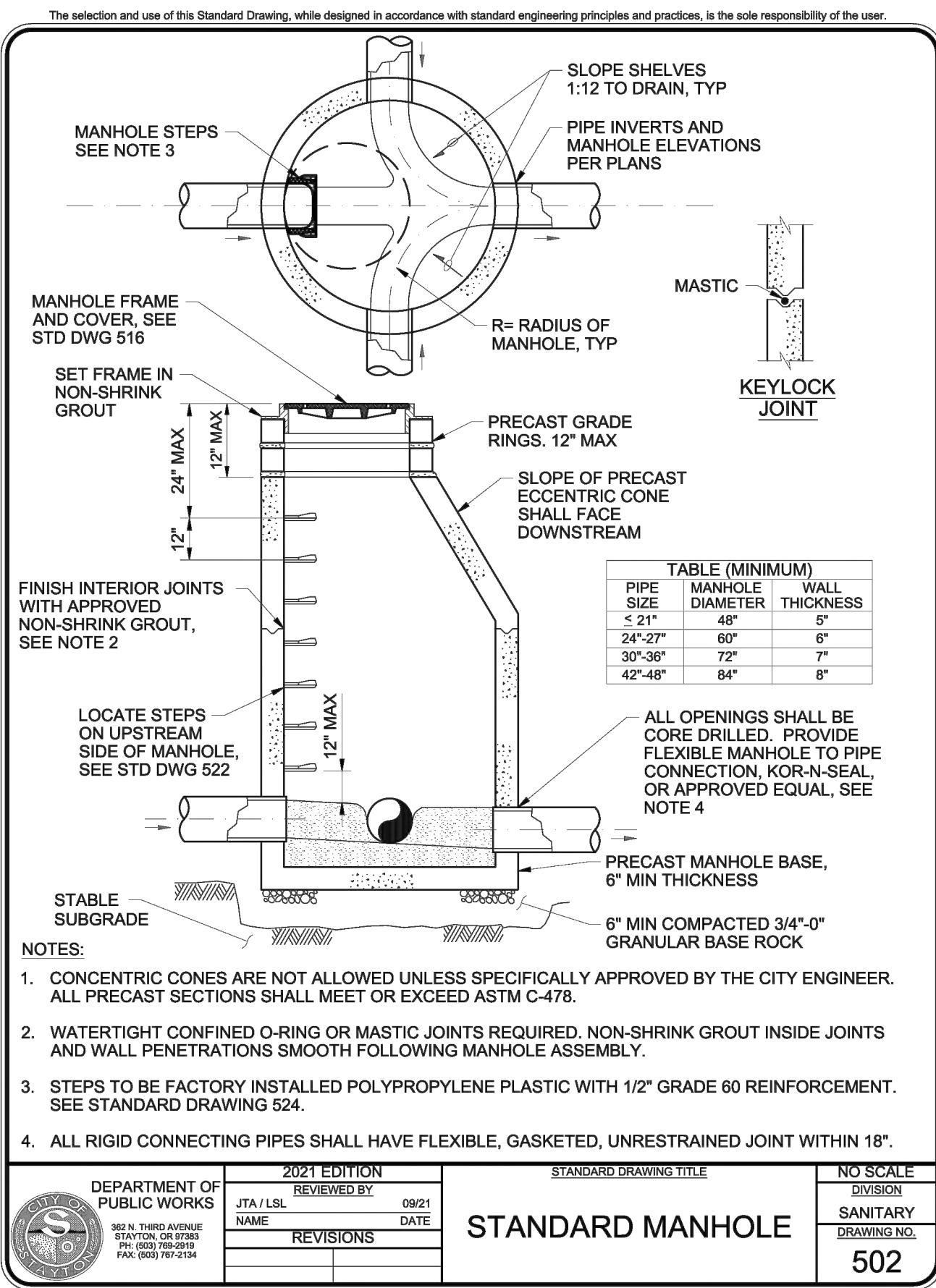
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1. WITH THE EXCEPTION OF THE WATER METER, ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. A CITY WATER METER PERMIT IS REQUIRED TO OBTAIN A WATER METER.
2. CORPORATION STOP, COPPER SERVICE LINE, AND WATER METER SHALL BE SIZED AS SPECIFIED.
3. THE METER SHALL BE SET PLUMB AND CENTERED EACH WAY INSIDE THE METER BOX.
4. METER BOX SHALL BE A 13" x 24" x 12" ARMORCAST POLYMER CONCRETE METER BOX. PROVIDE ALL METER BOXES WITH KNOCKOUTS FOR TOUCH-READ SENSORS.
5. DOUBLE STRAP DUCTILE IRON SADDLES SHALL BE INSTALLED ON 4" DUCTILE IRON PIPE AND ALL SIZES OF CAST IRON AND STEEL PIPE. ALL DUCTILE IRON APPLICATIONS OVER 4" DIA SHALL BE DIRECT TAPPED FOR 4" SERVICES. STAINLESS STEEL SADDLES WITH STAINLESS 4" STRAPS SHALL BE INSTALLED ON ASBESTOS CEMENT PIPE.
6. CATHODIC PROTECTION WILL BE REQUIRED FOR NEW COPPER SERVICES WHEN CONNECTING TO EXISTING ASBESTOS-CEMENT WATER LINES. THE METHOD OF PROVIDING CATHODIC PROTECTION WILL REQUIRE THE APPROVAL OF THE CITY ENGINEER.
7. CUTTING, REAMING, SIZE, AND BENDING OF COPPER TUBING SHALL BE PERFORMED USING TOOLS AND PRACTICES SPECIFIC TO THOSE OPERATIONS.
8. ALL COPPER SERVICE PIPES SHALL BE DIRECT BURIED IN GRANULAR BACKFILL TO AVOID ANY COPPER CONTACT WITH NATIVE SOIL. SERVICE LINES SHALL NOT BE INSTALLED BY JACKING OR BORING.

	<b>DEPARTMENT OF PUBLIC WORKS</b>		<b>2021 EDITION</b>		<b>STANDARD DRAWING TITLE</b>		<b>NO SCALE</b>	
	JTA / LSL		REVIEWED BY 08/21		<b>3/4" AND 1" WATER SERVICES</b>		DIVISION	
	NAME		DATE				WATER	
	REVISIONS		08/21				DRAWING NO.	
						<b>430</b>		





WIDA ST. SANITARY SEWER REPLACEMENT (PHASE 2)

STAYTON

CONSTRUCTION DETAILS

DESIGNED BY: BTW

DRAWN BY: BTW

MANAGED BY: RCW

CHECKED BY: RCW

DATE: 03/12/2024

REGISTERED PROFESSIONAL ENGINEER 79184PE

DIGITALLY SIGNED

JUNE 2, 2011

RICHARD C. WALKER

EXPIRES: JUNE 30, 2024

REVISIONS

JOB NUMBER 9158-02

SHEET C351

AKS

AKS ENGINEERING & FORESTRY, LLC

3700 RIVER RD N, STE 1

KEIZER, OR 97303

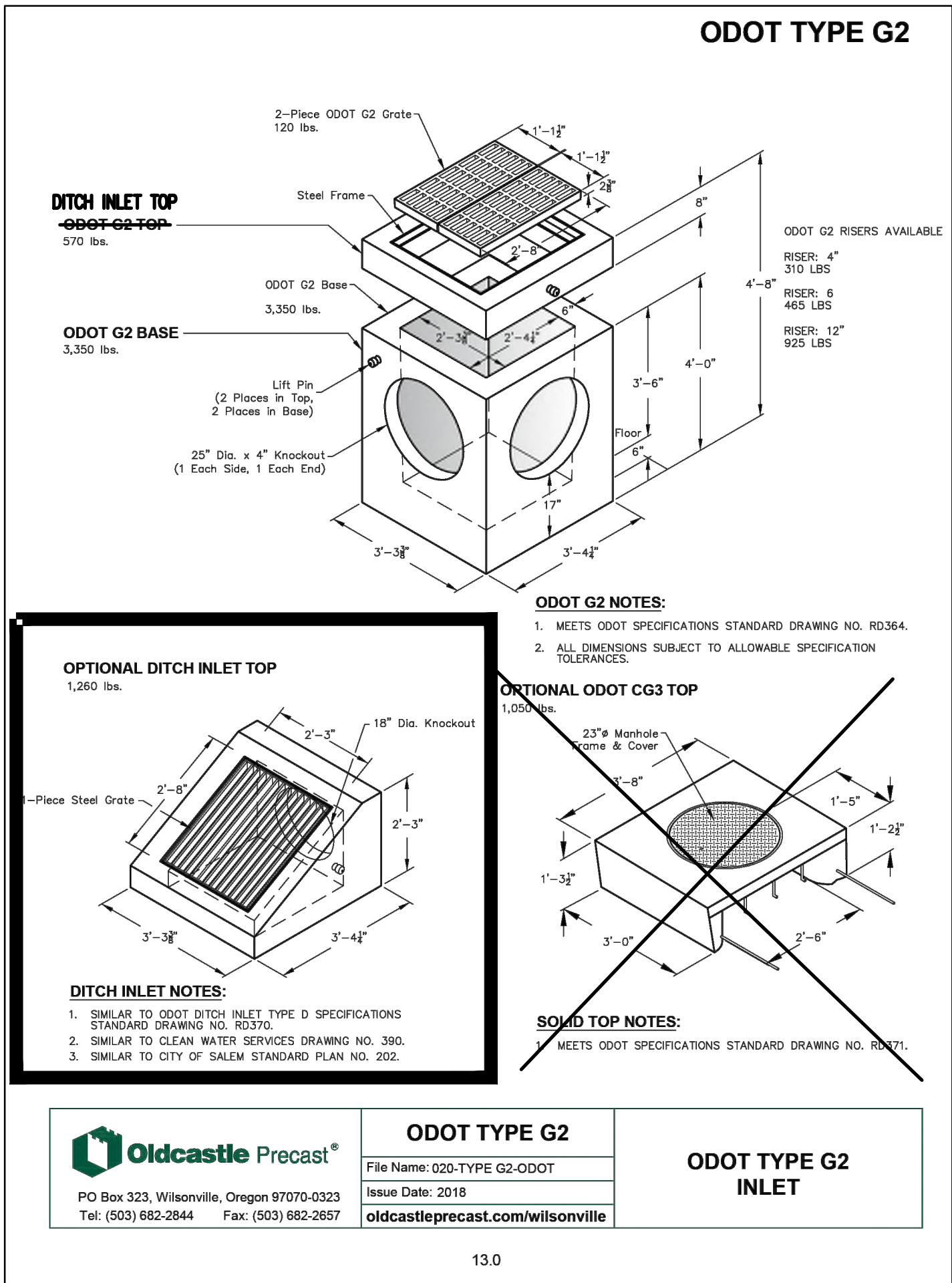
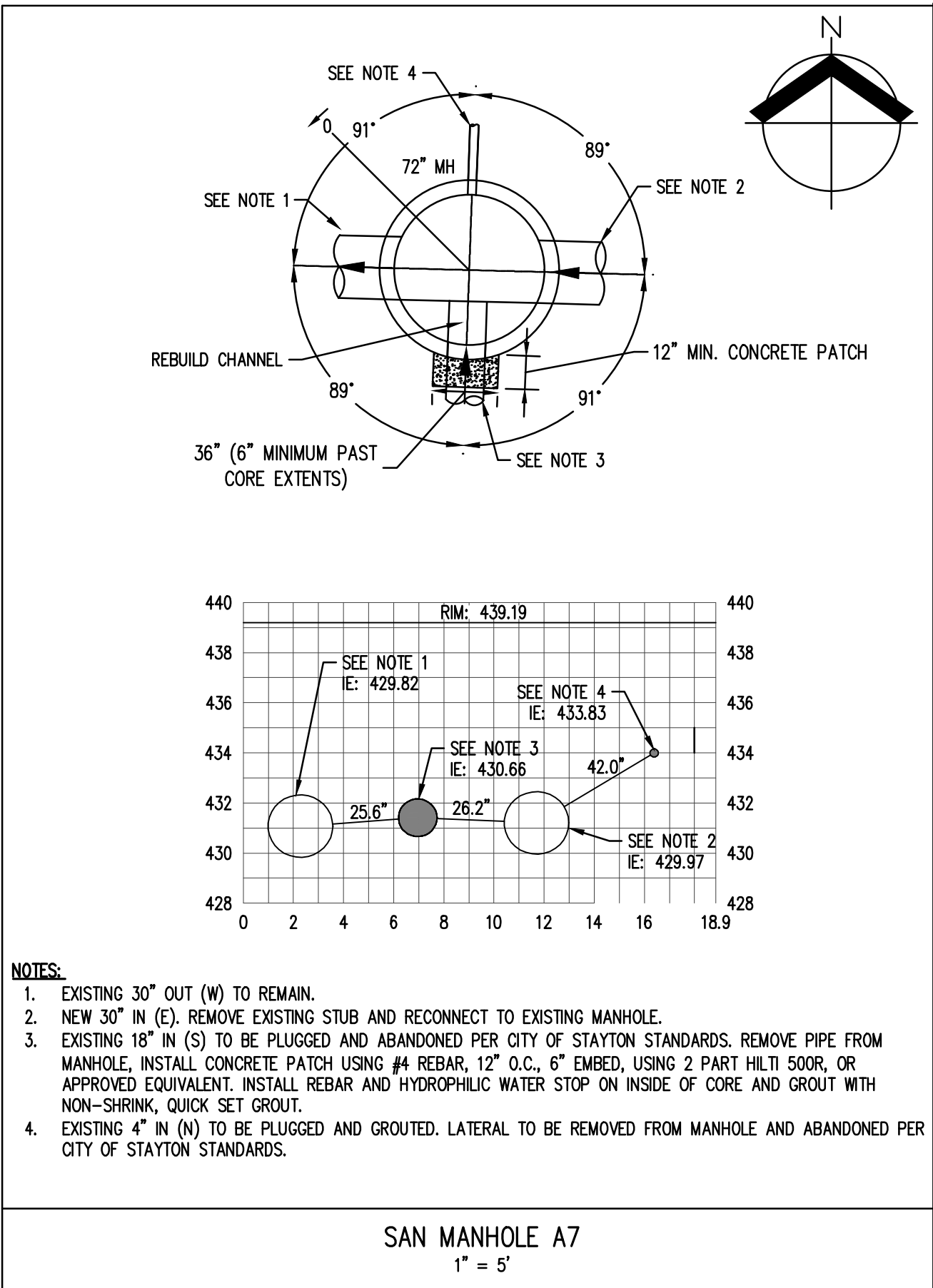
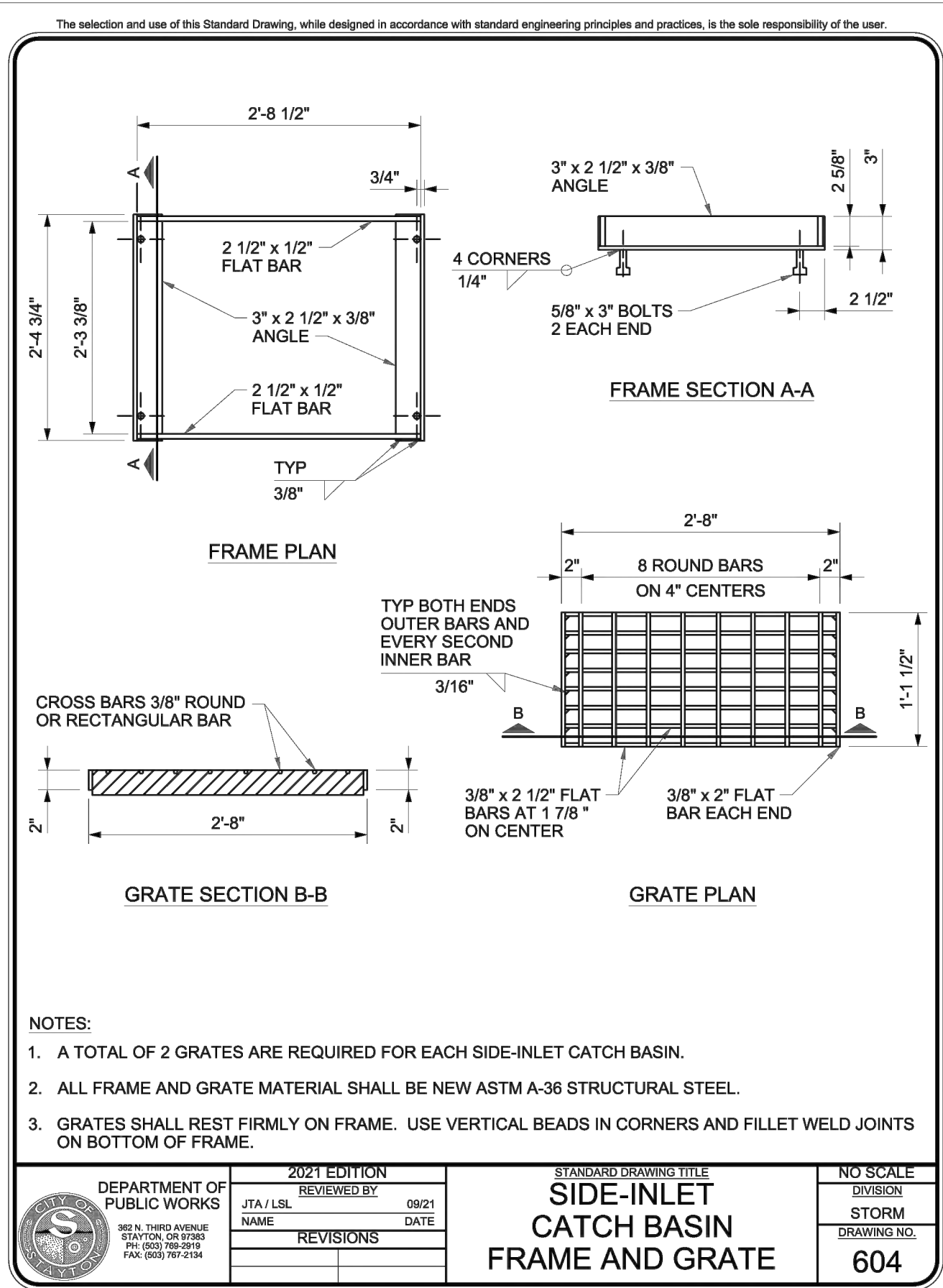
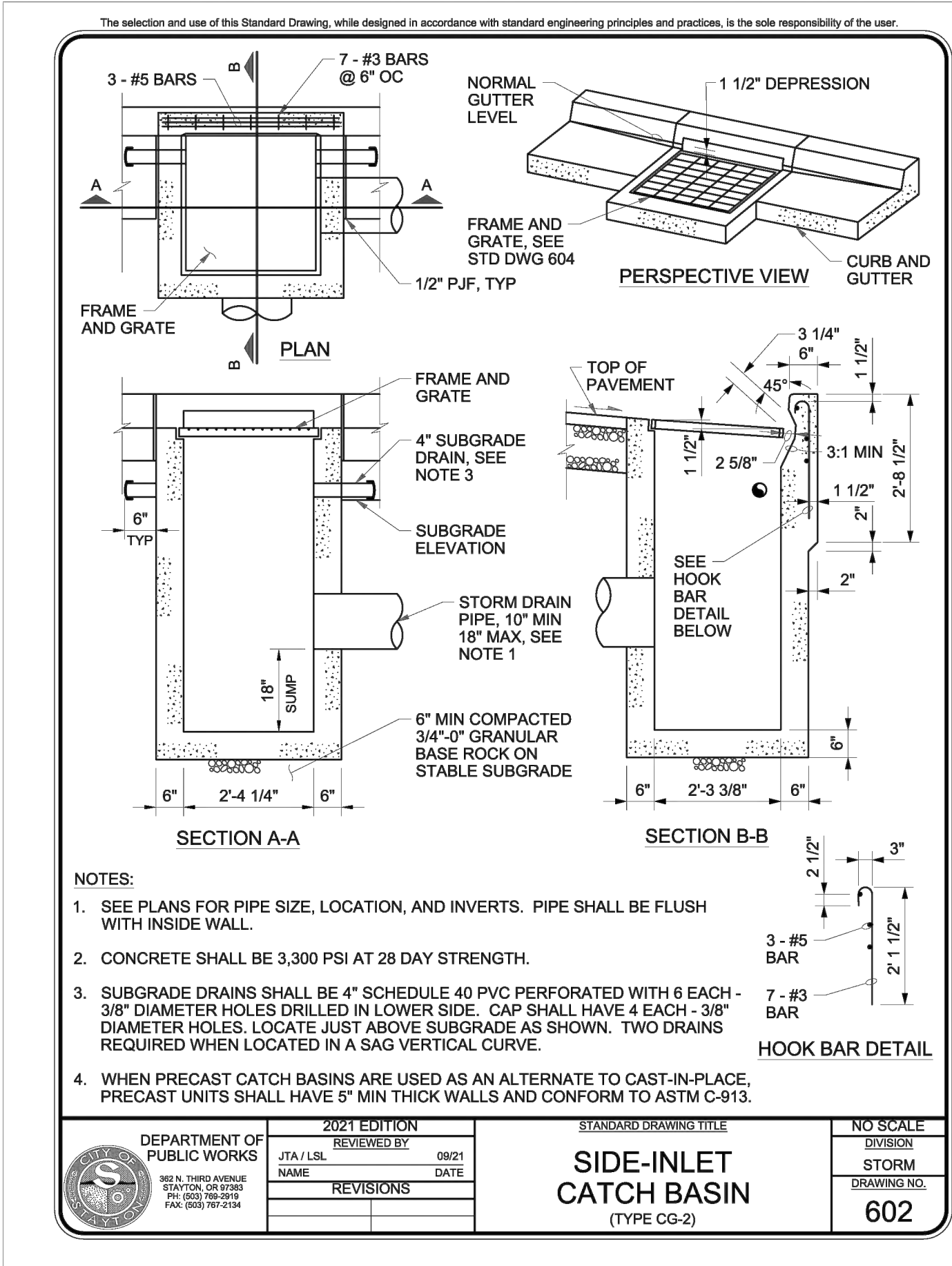
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FORESTRY - PLANNING - LANDSCAPE ARCHITECTURE





**WIDA ST. SANITARY SEWER REPLACEMENT (PHASE 2)**

**OREGON**

**STAYTON**

**CONSTRUCTION DETAILS**

DESIGNED BY: BTW  
DRAWN BY: BTW  
MANAGED BY: RCW  
CHECKED BY: RCW  
DATE: 03/12/2024

REGISTERED PROFESSIONAL ENGINEER  
79184PE  
DIGITALLY SIGNED  
JUNE 2, 2011  
RICHARD C. WALKER  
EXPIRES: JUNE 30, 2024

JOB NUMBER  
**9158-02**

SHEET  
**C352**