

Plotted: Sep 15, 2023 - 9:17am Jess.Borchsneider V:\PROJECT\19900\19996\CADD\ACAD\Drawn\19996_001.dwg Layout Name: G-01

CITY OF WARRENTON

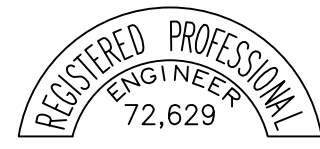
WARRENTON GRADE SCHOOL MAIN AVENUE

SAFE PEDESTRIAN WALKWAY

FINAL PLANS



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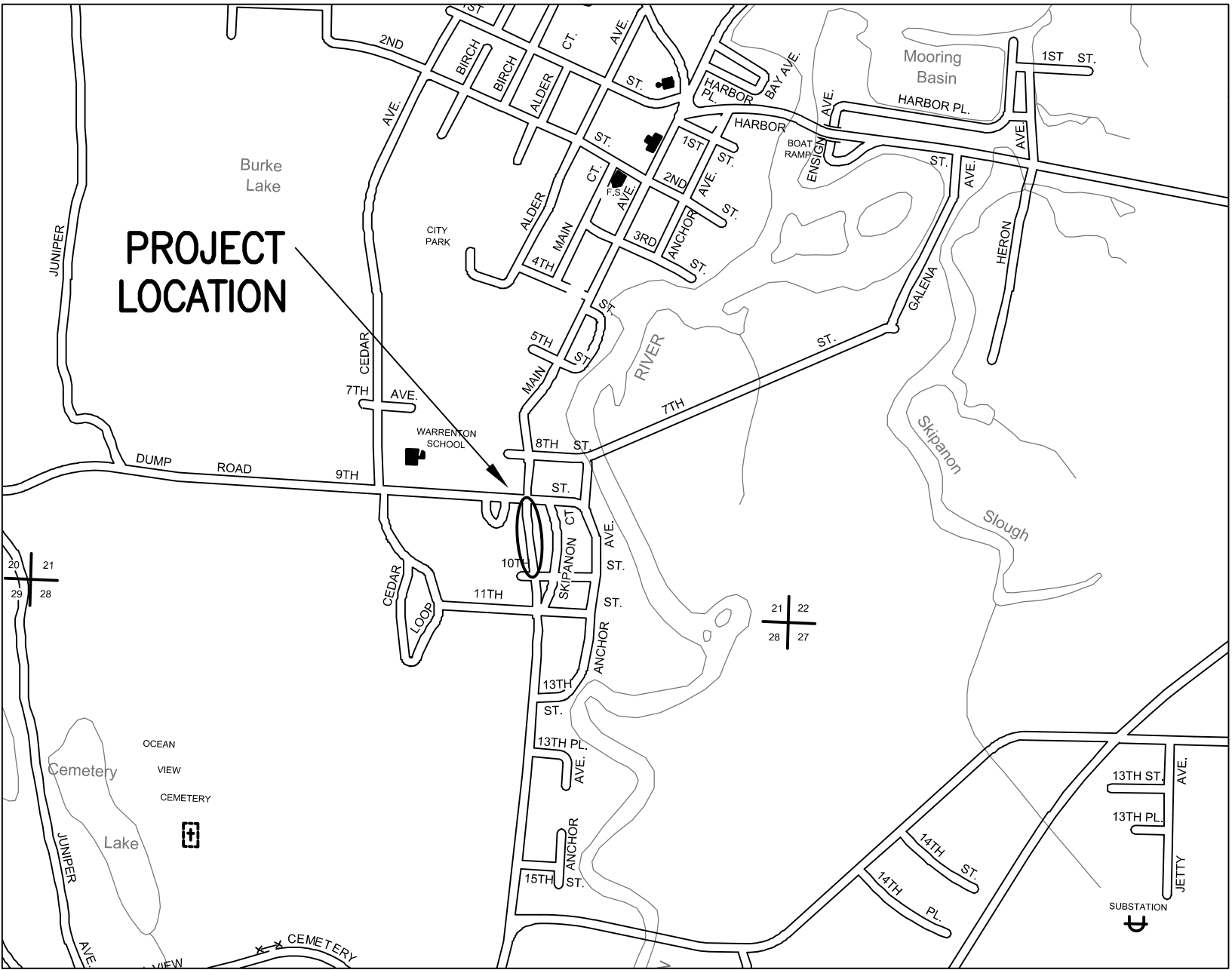


EXPIRES: 12/31/2023

WARRENTON MAIN AVE AT 9TH ST SRTS

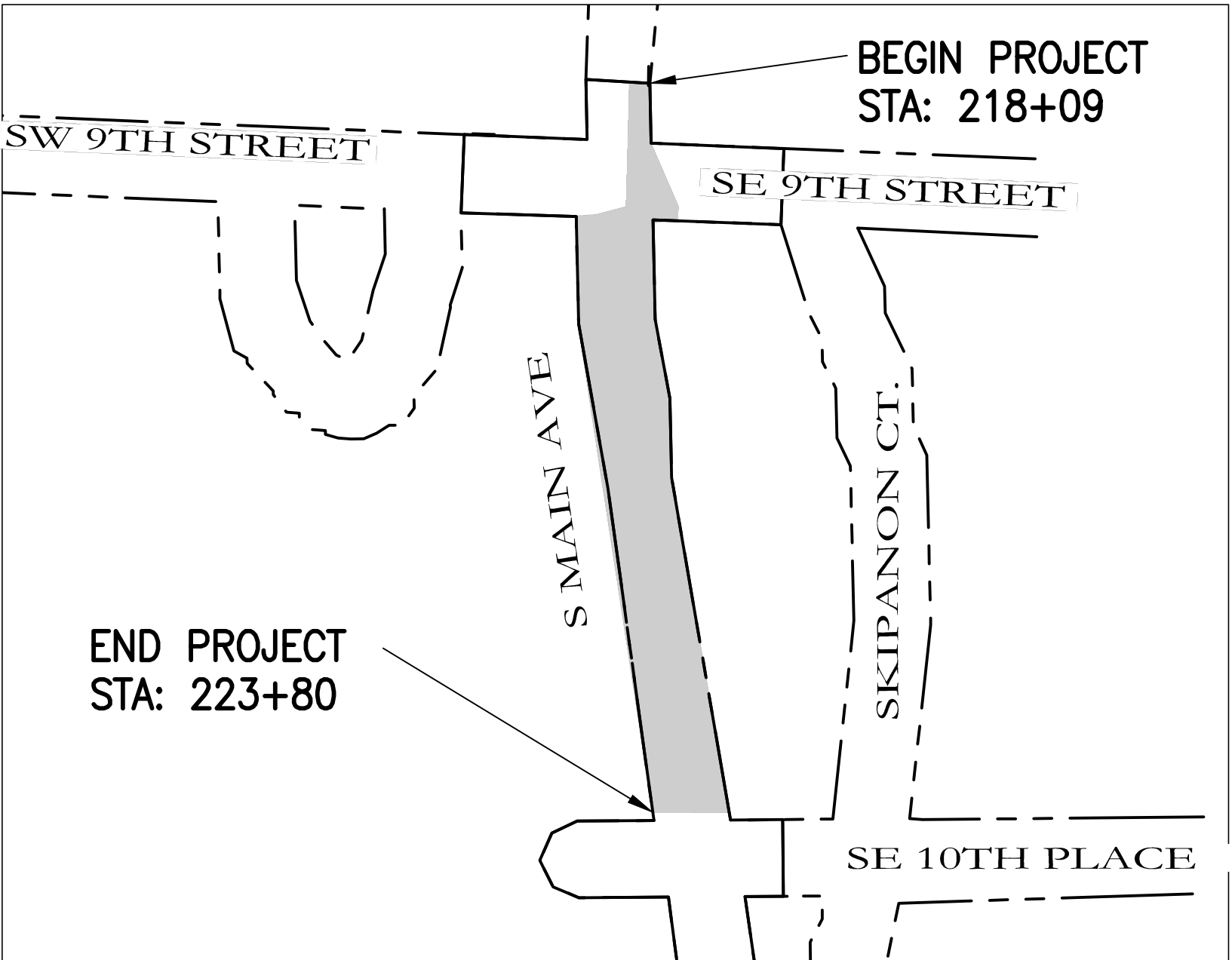
WARRENTON, OREGON

COVER SHEET



LOCATION MAP

NO SCALE



SITE OVERVIEW

NO SCALE

GENERAL NOTES

- ATTENTION CONTRACTORS: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1897 OR 1-800-332-2344). AT LEAST TWO (2) BUSINESS DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OREGON UTILITY NOTIFICATION CENTER OF THE DATE AND LOCATION OF THE PROPOSED CONSTRUCTION, AND THE TYPE OF WORK TO BE PERFORMED.
- ALL EXISTING FACILITIES TO BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE ENGINEER.
- IN ACCORDANCE WITH O.R.S.290.140, IF THE CONTRACTOR FINDS IT NECESSARY TO INTERFERE WITH OR PAVE OVER ANY ESTABLISHED PUBLIC LAND SURVEY CORNER OR ITS ACCESSORIES, WITHIN THE PROJECT LIMITS, THE CONTRACTOR SHALL NOTIFY THE COUNTY SURVEYOR PRIOR TO DOING SO.
- IN ACCORDANCE WITH O.R.S.290.150, CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL SURVEY MONUMENTS DISTURBED OR DESTROYED DURING CONSTRUCTION. REPLACING THE SURVEY MONUMENTS SHALL BE DONE BY A REGISTERED LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
- EXISTING UTILITY LOCATIONS SHOWN (PLAN & PROFILE) ARE APPROXIMATE ONLY. POTHOLES WERE CONDUCTED ON THE EAST SIDE AND IS AVAILABLE FROM THE ENGINEER. CONTACT UTILITY COMPANIES FOR PREMARKING. CONTRACTOR TO POTHOLE EXISTING UTILITIES AT CONNECTION & CROSSING LOCATIONS TO VERIFY DEPTH, LOCATION & TYPE OF EXISTING WATER MAIN, SEWER MAIN & STORM MAIN PRIOR TO ORDERING CONNECTION MATERIALS. NOTIFY ENGINEER IMMEDIATELY IF EXISTING CONDITIONS VARY FROM THAT SHOWN. NOTIFY ENGINEER 48 HOURS PRIOR TO POTHOLES.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS ON THE JOB SITE INCLUDING ALL DIMENSIONS, GRADES, ELEVATIONS, EXTENT AND COMPATIBILITY TO THE EXISTING SITE CONDITIONS, AND WITH THE WORK DESCRIBED ON THE CONTRACT DRAWINGS. ANY DISCREPANCIES OR UNEXPLAINED CONDITIONS THAT AFFECT OR CHANGE THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. CONTRACTOR SHALL NOT PROCEED WITH ANY OF THE WORK IN THE AREA OF DISCREPANCIES UNTIL ALL SUCH DISCREPANCIES ARE RESOLVED. IF THE CONTRACTOR CHOOSES TO DO SO, THEN IT IS UNDERSTOOD THAT HE SHALL BE PROCEEDING AT HIS OWN RISK AND INCUR ALL COST, IF ANY, TO RESOLVE THE ISSUE TO THE SATISFACTION OF THE ENGINEER.
- TECHNICAL SPECIFICATIONS FOR CONSTRUCTION ARE TO FOLLOW THE CONTRACT SPECIFICATIONS AND THE MOST CURRENT EDITION OF THE ODOT/APWA STANDARD SPECIFICATION FOR CONSTRUCTION. OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (ODOT/APWA) SHALL BE REFERENCED WHERE CONTRACT SPECIFICATIONS DO NOT ADDRESS A SPECIFIC ITEM. SEE SPECIFICATIONS FOR CONSTRUCTION METHODS AND OTHER NOTES PERTINENT TO THIS PROJECT.
- UPON COMPLETION OF CONSTRUCTION OF THE PROJECT, CONTRACTOR TO SUBMIT RECORD DRAWINGS TO THE ENGINEER OR CITY. THE PROJECT SHALL NOT BE CONSIDERED COMPLETE UNTIL RECORD DRAWINGS ARE ACCEPTED BY CITY.
- CONTRACTOR MAY ENCOUNTER HIGH GROUND-WATER TABLE AT SITE LOCATION. HIGH GROUND-WATER IN COMBINATION WITH BEACH SAND SUBGRADE WILL CAUSE A "QUICK" EFFECT, WHICH WILL RESULT IN THE DESTABILIZATION OF ADJACENT SOILS, UTILITIES AND STRUCTURES. CONTRACTOR SHALL ANTICIPATE AND COORDINATE ANY AND ALL DEWATERING TECHNIQUES NECESSARY AND/OR REQUIRED TO COMPLETE PROJECT AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS. CONTRACTOR SHALL BEAR ALL COSTS PERTAINING TO DEWATERING EFFORTS.

ROADWORK/SITWORK

- CONTRACTOR SHALL RESTORE ALL SURFACES TO MATCH EXISTING AND ADJACENT GRADES.

- ALL DESIGN ELEVATIONS SHOWN SHALL BE CONSIDERED TO BE FINISH SURFACE ELEVATIONS UNLESS OTHERWISE NOTED. ALL SURFACES SHALL BE GRADED SMOOTH AND FREE OF IRREGULARITIES THAT COULD ACCUMULATE SURFACE WATER. REPLACEMENT OF THE STREET MARKINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

- THE CONTRACTOR SHALL HAVE A SUFFICIENT NUMBER OF COMPACTION TESTS PERFORMED TO MEET SPECIFICATION REQUIREMENTS AT THE CONTRACTOR'S EXPENSE. TESTS SHALL BE PERFORMED BY A QUALIFIED TESTING AGENCY AND WRITTEN RESULTS SHALL BE PROVIDED TO ODOT, CITY OF WARRENTON AND THE ENGINEER OF RECORD. SHOULD COMPACTION REQUIREMENTS NOT BE MET, CONTRACTOR SHALL RECOMPACT AND PAY ALL ADDITIONAL TESTING COSTS RELATED TO THE RECOMPACTION.

SIGNAGE

- CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES PER ODOT & MUTCD REQUIREMENTS. ACCESS TO EXISTING DRIVEWAYS AND BUSINESSES TO BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL REPLACE ALL SIGNS REMOVED DURING CONSTRUCTION. CITY TO APPROVE INSTALLATION.

STORMWATER

- CONTRACTOR SHALL COORDINATE WITH ENGINEER OR CITY REPRESENTATIVE FOR INSPECTION OF STORMWATER SYSTEMS PRIOR TO BACKFILL.

- CONTRACTOR SHALL POTHOLES EXISTING STORMWATER PIPES FOR CONNECTION OF NEW STORMWATER SYSTEM. ALL INVERT ELEVATIONS, PIPE SIZES AND MATERIALS ARE TO BE MEASURED BY CONTRACTOR PRIOR TO ORDERING ANY MATERIALS FOR THE STORMWATER SYSTEM.

DEMOLITION

- CONTRACTOR TO DEVELOP A CONSTRUCTION PHASING PLAN AND PROVIDE IT TO THE CITY AND ENGINEER PRIOR TO BEGINNING CONSTRUCTION. PLAN SHALL INDICATE STAGES OF DEMOLITION AND DURATION OF OUTAGES. ALL OUTAGES ARE TO BE KEPT TO A MINIMUM.

TRAFFIC CONTROL

- THE CONTRACTOR SHALL DEVELOP AND SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL INCLUDE SIGNAGE AS NECESSARY TO INFORM TRAFFIC OF ANY CLOSURE AND PROPER REROUTING. THE CONTRACTOR SHALL FURNISH AND PLACE TRAFFIC CONTROL BARRICADES AND SIGNS ACCORDING TO THE MUTCD AND ODOT SPECIFICATIONS IN ORDER TO ALLOW THE PUBLIC REASONABLE ACCESS TO BUSINESSES AND RESIDENTIAL PARKING. THE CONTRACTOR SHALL USE CONES, DELINEATORS, DETOUR SIGNS AND BARRICADES TO KEEP VEHICULAR AND PEDESTRIAN TRAFFIC OUT OF THE IMMEDIATE CONSTRUCTION ZONE OF THE CONTRACTOR. ALL SIGNS AND BARRICADES MUST BE APPROVED BY THE CITY OF WARRENTON, ODOT, AND THE ENGINEER PRIOR TO ORDERING.

EXISTING UTILITIES

UTILITY LOCATES SHOWN ON THIS MAP ARE BASED ON ABOVE GROUND STRUCTURES AND SURFACE LOCATES AT THE TIME THE FIELD WORK WAS COMPLETED. THE COMPANIES THAT PLACE THE PAINT MARKS DO NOT GUARANTEE THEIR SURFACE LOCATES TO BE FREE OF ERRORS AND OMISSIONS THEREFORE OTAK RESERVES THE SAME LIMITATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REQUESTING, UPDATING AND PROTECTING THE LOCATION OF ALL UNDERGROUND UTILITIES.

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TC-02	WORK ZONE TRAFFIC CONTROL DETAILS

UTILITY PROVIDERS

ELECTRICITY PACIFIC POWER ATTN: MARILYN BROCKEY 2340 SE DOLPHIN WARRENTON, OR 97146 503-861-6005 503-861-6020 (FAX)	CABLE TELEVISION CHARTER COMMUNICATIONS ATTN: RICH MCCAIN 419 GATEWAY ASTORIA, OR 97103 503-735-5887 503-235-7421 (FAX)	ODOT ODOT REGION 2 NORTHWEST AREA ATTN: KEN SHONKWILER, SENIOR PLANNER 350 W MARINE DR. ASTORIA, OR 97103 503-313-6812
WARRENTON POST OFFICE ATTN: KEVIN ROMEYN 99 N MAIN AVE WARRENTON, OR 97146 503-861-7035 KEVIN.D.ROMEYN@USPS.GOV	WATER, STORM, ROADS CITY OF WARRENTON ATTN: GREG SHAFER, P.E. PUBLIC WORKS DIRECTOR 225 S. MAIN P.O. BOX 250 WARRENTON, OR 97146 503-861-0917	GAS NORTHWEST NATURAL GAS ATTN: RYAN WINFREE 503-226-4211 EXT. 2967 503-610-7765 (MOBILE) RYAN.WINFREE@NWNATURAL.COM
TELEPHONE LUMEN ATTN: JOSH FALLIN 740 STATE ST RM 407 SALEM, OR 97301 503-798-1009	ONE CALL CENTER 1-800-332-2344 OR 811	

PROJECT TEAM

OWNER CITY OF WARRENTON ATTN: GREG SHAFER, P.E. PUBLIC WORKS DIRECTOR 225 S. MAIN P.O. BOX 250 WARRENTON, OR 97146 503-861-0917	ROADWAY ENGINEER OTAK, INC. ATTN: KEITH BUISMAN, P.E. 808 SW THIRD AVE., SUITE 800 PORTLAND, OR 97204 (503) 287-6825	STORMWATER ENGINEER OTAK, INC. ATTN: PHILIP KENYON, P.E. 808 SW THIRD AVE., SUITE 800 PORTLAND, OR 97204 (503) 415-2308
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BENCH MARK

ELEVATIONS ARE NAVD88 BASED ON NGS BENCH MARK 100R



Know what's below.
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TITLE	#	DATE	DESCRIPTION

REVISIONS

NAVD 88

DATUM

ZMG AMO

DRAWN BY CHECKED BY

FINAL PLANS

STATUS

SEPTEMBER 2023

DATE

19996

PROJECT NUMBER

G-01

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If this drawing is not 22" x 34" it has been reduced/enlarged. Scale accordingly.

Plotted: Sep 15, 2023 - 8:56am - Jessa Borasheuer V:\PROJECTS\19900\19996\CADD\ACAD\Drawn\19996_G-02.dwg Layout Name: G-02

WARRENTON GENERAL SITE PLAN NOTES:

1.

NO PERSON SHALL DO WORK AFFECTING THE PUBLIC RIGHT-OF-WAY WITHOUT FIRST OBTAINING A PERMIT FROM THE PUBLIC WORKS DEPARTMENT. WORK AFFECTING THE RIGHT-OF-WAY INCLUDES, BUT IS NOT LIMITED TO, CONSTRUCTION, RECONSTRUCTION, GRADING, OILING, REPAIR, OPENING OR EXCAVATION OF A SIDEWALK, STREET, CURB, DRIVEWAY, CULVERT OR DITCH IN A PUBLIC RIGHT-OF-WAY, BUT DOES NOT INCLUDE THE CONSTRUCTION OF IMPROVEMENTS PERFORMED UNDER CITY CONTRACT.
2.

CONSTRUCTION SHALL CONFORM TO THE OREGON SPECIFICATIONS AND STANDARD DRAWINGS FOR CONSTRUCTION AND AS REVISED BY THE CITY OF WARRENTON.
3.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND ARRANGE FOR THE RELOCATION OF ANY IN CONFLICT WITH THE PROPOSED CONSTRUCTION. THE LOCATIONS, DEPTH, AND DESCRIPTION OF EXISTING UTILITIES SHOWN WERE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE CITY OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OF THE COMPLETENESS OF SUCH RECORDS. ADDITIONAL UTILITIES MAY EXIST WITHIN THE WORK AREA.
4.

OREGON LAW REQUIRES THAT THE RULES ADOPTED BY OREGON UTILITY NOTIFICATION CENTER BE FOLLOWED. THOSE RULES ARE SET FORTH IN OAR 952-001-0090. THE CONTRACTOR IS RESPONSIBLE TO CALL 1-800-332-2344 FOR LOCATES PRIOR TO EXCAVATION. ANY DAMAGE TO CITY OR PRIVATE SERVICES SHALL BE REPAIRED BY THE CONTRACTOR WITH OWN REPAIR MATERIALS, AND AT CONTRACTORS EXPENSE.
5.

THE CONTRACTOR SHALL MAKE PROVISIONS TO KEEP ALL EXISTING UTILITIES (INCLUDING NON-LOCATABLE) IN SERVICE AND PROTECT THEM DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE NOTIFICATION OF DAMAGE TO UTILITIES AND THE REPAIR OR REPLACEMENT OF DAMAGED UTILITIES USING MATERIALS AND METHODS APPROVED BY THE UTILITY OWNER. NO SERVICE INTERRUPTIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN AGREEMENT WITH THE UTILITY OWNER/PROVIDER.
6.

THE CONTRACTOR SHALL POTHOLE AND VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND OTHERWISE VERIFY ALL DIMENSIONS AND EXISTING CONSTRUCTION CONDITIONS INDICATED AND OR SHOWN ON THE PLANS. SHOULD ANY ERROR OR INCONSISTENCY EXIST, THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK AFFECTED UNTIL REPORTED TO THE DESIGN ENGINEER FOR CLARIFICATION OR CORRECTION.
7.

ALL PROJECT ELEMENTS SHALL BE CONSTRUCTED PER APPROVED PROJECT DRAWINGS; SPECIFICATIONS; FEDERAL, STATE AND LOCAL PERMITS; AND PRECONSTRUCTION MEETING NOTES.
8.

THE CONTRACTOR SHALL KEEP AN APPROVED SET OF PLANS ON THE PROJECT SITE AT ALL TIMES.
9.

ALL DSL, DEQ, ODOT, AND OHA PERMITS AND REGULATIONS WILL BE THE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR.
10.

PROJECT INSPECTION ON PRIVATE PROJECTS IS THE RESPONSIBILITY OF THE DEVELOPER. THE CITY WARRENTON REQUIRES THE DESIGN ENGINEER TO MONITOR CONSTRUCTION STANDARDS AND WORKMANSHIP.
11.

PROJECT PLANS SHALL ALWAYS HAVE AN ENGINEER-OF-RECORD PERFORMING THE FUNCTION OF DESIGN ENGINEER. IF THE DESIGN ENGINEER IS CHANGED DURING THE COURSE OF THE WORK, THE CITY SHALL BE NOTIFIED IN WRITING AND THE WORK SHALL BE STOPPED UNTIL THE REPLACEMENT ENGINEER HAS AGREED TO ACCEPT THE RESPONSIBILITIES OF THE DESIGN ENGINEER. THE NEW DESIGN ENGINEER SHALL PROVIDE WRITTEN NOTICE OF ACCEPTING PROJECT RESPONSIBILITY TO THE CITY WITHIN 72 HOURS OF ACCEPTING THE POSITION AS DESIGN ENGINEER.
12.

INFRASTRUCTURE THROUGH NEIGHBORING PROPERTY IS ALLOWED ONLY WHEN RECORDED ACCESS EASEMENTS ARE GRANTED BY OWNERS. RECORDED EASEMENTS SHALL BE SUBMITTED TO PUBLIC WORKS PRIOR TO THE START OF THE WARRANTY PERIOD.
13.

ALL PUBLIC, PRIVATE AND FRANCHISE UTILITIES SHALL BE IN PLACE PRIOR TO PROJECT FINAL APPROVAL AND ACCEPTANCE, E.G. ALL STREET LIGHTS MUST BE IN AND OPERATIONAL.
14.

ALL SURVEY MONUMENTS ON THE PROJECT'S SITE OR THAT MAY BE SUBJECT TO DISTURBANCE WITHIN THE CONSTRUCTION AREA, OR THE CONSTRUCTION OF ANY OFF-SITE IMPROVEMENTS SHALL BE ADEQUATELY REFERENCED AND PROTECTED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY. IF THE SURVEY MONUMENTS ARE DISTURBED, MOVED, RELOCATED, OR DESTROYED AS A RESULT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL, AT THEIR COST, RETAIN THE SERVICES OF A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF OREGON TO RESTORE THE MONUMENT TO ITS ORIGINAL CONDITION AND FILE THE NECESSARY SURVEYS AS REQUIRED BY OREGON STATE LAW.
15.

GRADING AND FILL/EXCAVATION PERMITS OR PRIVATE SERVICE PLUMBING PERMITS SHALL BE REQUIRED WHEN WORK IS PERFORMED ON PRIVATE PROPERTY. OWNER, ENGINEER, OR CONTRACTOR MUST CONTACT THE CITY OF WARRENTON PLANNING AND BUILDING DEPARTMENT, PRIOR TO CONSTRUCTION.
16.

THE CONTRACTOR IS REQUIRED TO METER CONSTRUCTION WATER THROUGH A CITY HYDRANT WATER METER. WATER USED DURING CONSTRUCTION FOR DUST CONTROL OR OTHER PROCEDURES SHALL BE WITH A PERMIT AND FEE. CERTAIN HYDRANTS ARE AVAILABLE. PERMITS FOR CONNECTION AND FLOW ARE REQUIRED FROM THE PUBLIC WORKS DEPARTMENT, AND BACKFLOW DEVICES SHALL BE PRESENT.
17.

ALL EXISTING STREETS AND SIDEWALKS TO BE CLEANED AND OR PROTECTED DAILY. CITY HAS THE RIGHT TO ENFORCE CLEANING AND SAFETY ISSUES. THE CONTRACTOR CAN BE FINED OR CHARGED FOR PUBLIC WORKS TIME AND MATERIAL.
18.

CONTRACTOR SHALL ERECT AND MAINTAIN TEMPORARY TRAFFIC CONTROL PER THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), PART 6, AND DEVIATIONS TO THE MUTCD AS ADOPTED AND MODIFIED BY ODOT. SHOULD WORK BE IN AN EXISTING PUBLIC RIGHT OF WAY THAT IS OPEN TO TRAFFIC, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN WITH ROW PERMIT TO APPROPRIATE CITY, COUNTY, AND STATE PERSONNEL FOR APPROVAL. APPROVALS SHALL BE OBTAINED PRIOR TO START OF WORK.
19.

ANY INSPECTION BY THE CITY, COUNTY, STATE, FEDERAL AGENCY OR DESIGN ENGINEER SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH THE APPLICABLE CODES, REGULATIONS, CITY STANDARDS AND PROJECT CONTRACT DOCUMENTS.
20.

TRACER WIRE INSTALLATION SHALL BE PERFORMED IN SUCH A MANNER THAT ALLOWS PROPER ACCESS FOR CONNECTION OF LINE TRACING EQUIPMENT, PROPER LOCATING OF WIRE WITHOUT LOSS OR DETERIORATION OF LOW FREQUENCY SIGNAL, AND WITHOUT DISTORTION OF SIGNAL CAUSED BY MORE THAN ONE WIRE BEING INSTALLED IN CLOSE PROXIMITY TO ONE ANOTHER.
21.

TRACER WIRE SYSTEMS MUST BE INSTALLED AS A SINGLE CONTINUOUS WIRE. EXCEPT WHERE USING APPROVED CONNECTORS. NO LOOPING OR COILING OF WIRE IS ALLOWED. ONE FOOT OF EXCESS/SLACK WIRE IS REQUIRED IN ALL TRACER WIRE ACCESS POINTS AFTER MEETING FINAL ELEVATION.
22.

ALL NEW TRACER WIRE INSTALLATIONS SHALL BE LOCATED USING TYPICAL LOW FREQUENCY (512 HZ) LINE TRACING EQUIPMENT, WITNESSED BY THE DESIGN ENGINEER OR PUBLIC WORKS DEPARTMENT, PRIOR TO ACCEPTANCE OF OWNERSHIP. THIS VERIFICATION SHALL BE PERFORMED UPON COMPLETION OF ROUGH GRADING AND AGAIN PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
23.

UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT "REDLINE DRAWINGS" TO DESIGN ENGINEER FOR PREPARATION OF RECORD DRAWINGS. "REDLINE DRAWINGS" DOCUMENT ALL DEVIATIONS AND REVISIONS TO THE APPROVED PLANS; THEY ALSO RECORD A DESCRIPTION OF CONSTRUCTION MATERIALS ACTUALLY USED (PIPE MATERIAL, ETC.). FROM THE INFORMATION CONTAINED ON THESE REDLINE DRAWINGS, AS WELL AS ANY NOTES RECORDED BY THE DESIGN ENGINEER, THE DESIGN ENGINEER SHALL PREPARE AND SUBMIT RECORD DRAWINGS TO PUBLIC WORKS ENGINEERING DEVELOPMENT SERVICES. RECORD DRAWINGS ARE REQUIRED FOR ANY PUBLIC IMPROVEMENTS. CITY ACCEPTANCE OF ANY PUBLIC IMPROVEMENTS ARE TIED TO THE SUBMITTAL OF THESE RECORD DRAWINGS. CAD GENERATED PLANS SHALL ALSO HAVE ELECTRONIC RECORD DRAWINGS SUBMITTED TO THE CITY IN COMPLIANCE WITH THE DIGITAL MAPPING REQUIREMENTS. COMPLY WITH SECTION 2.11 AS-BUILT DOCUMENTS OF THE CITY OF WARRENTON ENGINEERING DESIGN STANDARDS.

WARRENTON STREET PLAN NOTES:

1.

STANDARD MONOLITHICALLY POURED 6" CURB AND 18" GUTTER SECTION SHALL BE CONSTRUCTED. SUB-GRADE AASHTOT99 COMPACTION TESTS COMPLETED EVERY ONE-HUNDRED FEET WITH TEST REPORTS GIVEN TO PUBLIC WORKS.
2.

THE FULL STREET SECTION SHALL HAVE A MINIMUM OF 4" ASPHALT CONCRETE IN TWO 2" LIFTS. THE TOP LAYER SHALL BE 12.5 MM (1/2") DENSE MIX FOR THE SURFACE WEARING COURSE WITH THE LOWER LIFT EITHER 19 MM (3/4") DENSE HOT MIX ASPHALT CONCRETE (HMAC) OR 12.5 MM (1/2") DENSE MIX.
3.

ROADWAY STRUCTURE OF TWELVE INCHES OF 1" OR ¾" – 0" INCH COMPACTED BASE ROCK. AN ADDITIONAL 12" LAYER OF 3" COBBLE SUB-BASE WITH GEOTEXTILE LAYER MAY BE USED DURING WET WEATHER OR WINTER CONSTRUCTION PERIODS.
4.

ALL CUTS IN ASPHALT PAVING, PORTLAND CEMENT PAVING, CONCRETE CURBS, GUTTERS AND SIDEWALKS SHALL BE SAW CUT AT LEAST THREE INCHES DEEP UNLESS EXCEPTED AS A CONDITION OF THE PERMIT.
5.

TRENCH COMPACTION OF 1" OR ¾"-0" BACKFILL IN PUBLIC UTILITIES. STREET SAW CUT AND RESTORATION ARE REQUIRED. TACK COATING AND SAND SEALING OF EDGES OF PAVEMENT CUT IS REQUIRED.
6.

MAILBOX UNITS MOUNTED IN SIDEWALK SHALL HAVE A SWEEP PROVIDED BEHIND THE OBSTRUCTION SO THAT 4 FEET OF CLEAR PASSING DISTANCE IS MAINTAINED. LOCATION TO BE COORDINATED WITH THE UNITED STATES POST SERVICE OFFICE FOR WARRENTON.
7.

NEW ADA RAMP(S) WITH TRUNCATED DOMES TEXTURE PATTERN IS REQUIRED ON ALL STREET CORNERS. THE CONTRACTOR SHALL PROVIDE THE PATTERN PANELS FOR THE RAMPS. DAMAGE TO ADA RAMPS OR SIDEWALKS DURING CONSTRUCTION OR BUILDING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.
8.

ALL STREET NAME SIGNS SHALL BE INSTALLED BY CONTRACTOR TO APWA, MUTCD AND CITY STANDARDS. SIGNS POLES MOUNTED IN GRADE, CURBS OR SIDEWALKS HAVE V-LOCK ANCHORS.
9.

ALL STREET MARKINGS SUCH AS STOP BARS OR CROSSWALKS ETC., SHALL BE INSTALLED BY CONTRACTOR FOLLOWING THE MOST CURRENT ADDITION OF THE MUTCD AND BE MADE OF THERMOPLASTIC MATERIAL PER APWA STANDARDS.
10.

STREETLIGHT POLES AND LUMINARIES SHALL BE INSTALLED PRIOR TO FINAL APPROVAL.
11.

SIDEWALK PORTIONS TO BE (RE)CONSTRUCTED FOR FULL FRONTAGE OR WHERE BROKEN AND MISSING. TWO INCHES OF COMPACTED ¾"-0" BASE ROCK UNDER CONCRETE, WITH ¼" FIBER BOARD EXPANSION JOINT AT ENDS, DUMMY TOOL CONSTRUCTION JOINTS EVERY 5 FEET ALSO MATCHING SCORE MARKS IN ANY EXISTING ADJACENT CURB AND GUTTER. AN 8-INCH THICKNESS IN COMMERCIAL (6' RESIDENTIAL) DRIVEWAY APRONS IS REQUIRED. ALL SIDEWALK WIDTHS ARE DETERMINED BY THE STREET CLASSIFICATION. THE SIDEWALK SHALL BE A MINIMUM OF FOUR INCHES THICK AND SIX INCHES THICK AT THE DRIVEWAYS. EACH LOT SHALL HAVE A DRIVEWAY APPROACH WITH THREE-FOOT CURB TRANSITIONS WITH SIDEWALK SWEEP AROUND THE BACK OF THE ACCESS PER THE ATTACHED PLAN SET.
12.

NEWLY CONSTRUCTED CURBS SHALL BE STAMPED WITH THE CAPITAL LETTER "D" FOR STORM, "S" FOR SANITARY, AND "W" FOR WATER AT THE LOCATION OF EACH UNDERGROUND SERVICE CROSSING. LETTERS SHALL BE THREE (3) INCHES IN HEIGHT AND EMBOSSED A MINIMUM OF ONE-QUARTER (1/4) INCH DEEP.

WARRENTON STORMWATER PLAN NOTES:

1.

INSTALLATION OF CURB INLETS, FIELD INLETS AND MANHOLES ARE TO CONFORM TO CITY STANDARDS. CONNECTION TO EXISTING PUBLIC SYSTEMS FROM PRIVATE CATCHMENTS SHALL BE AT OR HAVE INSTALLED CURB CATCH BASINS OR AREA INLETS WITHIN THE PUBLIC RIGHT-OF-WAY.
2.

CONTRACTOR IS RESPONSIBLE FOR, MANDREL AND TELEVISION TESTING AND INSPECTION REQUIREMENTS - SEE GENERAL SECTION.

WARRENTON EROSION CONTROL PLAN NOTES:

1.

ALL SITES SHALL SUBMIT AN EROSION CONTROL PLAN FOR REVIEW, REGARDLESS OF SIZE. NEW DEVELOPMENT'S IMPACTING AREAS OF 10,000 SQUARE FEET OR GREATER MUST OBTAIN AN EROSION CONTROL PERMIT. (SEE GR-02 FOR DETAILS)
2.

EROSION CONTROL PLAN SHALL INCLUDE:

2.1.

THE METHODS AND/OR FACILITIES TO BE USED TO PREVENT EROSION AND POLLUTION CREATED FROM THE DEVELOPMENT BOTH DURING AND AFTER CONSTRUCTION.

2.2.

LIMITS OF CLEARING BY FLAGGING BOUNDARIES IN THE FIELD BEFORE STARTING SITE GRADING OR CONSTRUCTION. STAGING AREAS SHALL BE INCLUDED.

2.3.

AN ANALYSIS OF SOURCE CONTROLS, SUCH AS DETENTION AND STORAGE DURING CONSTRUCTION AS AN ALTERNATIVE METHOD TO CONTROL EROSION FROM STORM WATER RUNOFF.

2.4.

A DRAINAGE PLAN DURING CONSTRUCTION.

2.5.

SHOW EXISTING CONTOURS AS WELL AS ALL SENSITIVE AREAS, CREEKS, STREAMS, WETLANDS, AND OPEN AREAS.

2.6.

A DESCRIPTION OF HISTORIC LOCALIZED FLOODING PROBLEMS RESULTING FROM SURFACE WATER RUNOFF, FEMA OR FLOODING PROBLEMS KNOWN TO THE COMMUNITY OR THE CITY.

2.7.

EROSION CONTROL PLAN SHALL INCLUDE A SCHEDULE FOR IMPLEMENTATION OF EROSION MEASURES. THE SCHEDULE SHALL INCLUDE:

2.7.1.

MEASURES TO COVER BARE SOIL WITHIN 14 DAYS FOLLOWING FINAL GRADING.

2.7.2.

IMPLEMENTATION OF WET WEATHER MEASURES BETWEEN OCTOBER 1ST AND APRIL 30TH, UNLESS OTHERWISE APPROVED BY THE CITY.

2.7.3.

ON SITES WHERE VEGETATION AND GROUND COVER HAVE BEEN REMOVED, CITY APPROVED GROUND COVER SHALL BE RE-ESTABLISHED BY SEEDING AND MULCHING ON OR BEFORE SEPTEMBER 1ST WITH THE GROUND COVER ESTABLISHED BY OCTOBER 15TH, AS AN ALTERNATIVE TO SEEDING AND MULCHING. OR IF GROUND COVER IS NOT ESTABLISHED BY OCTOBER 15TH, THE OPEN AREAS SHALL BE PROTECTED THROUGH THE WET SEASON WITH STRAW MULCH, EROSION BLANKETS, OR OTHER APPROVED METHODS, WHERE APPROPRIATE, WITH LONG TERM MAINTENANCE PLAN.

3.

WATER CONTAINING SEDIMENT SHALL NOT BE DISCHARGED INTO THE SURFACE WATER MANAGEMENT SYSTEM. WETLANDS OR STREAMS WITHOUT FIRST PASSING THROUGH AN APPROVED SEDIMENT FILTERING FACILITY OR DEVICE. DISCHARGE FROM TEMPORARY SEDIMENTATION PONDS OR DETENTION FACILITIES USED FOR SEDIMENTATION DURING CONSTRUCTION SHALL BE CONSTRUCTED TO CITY STANDARDS TO PROVIDE ADEQUATE SEDIMENT FILTRATION.

4.

A SITE-SPECIFIC PLAN PREPARED BY A REGISTERED PROFESSIONAL ENGINEER SHALL BE REQUIRED AND ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED FOR SITES HAVING ONE OR MORE OF THE FOLLOWING CHARACTERISTICS:

4.1.

SITES WITH HIGHLY ERODIBLE SOILS;

4.2.

SITES ADJACENT TO SENSITIVE AREAS;

4.3.

SITES WHERE GRADING AND CLEARING ACTIVITIES ARE LIKELY BETWEEN OCTOBER 1ST AND APRIL 30TH

5.

ADDITIONAL EROSION CONTROL MEASURES MAY INCLUDE ONE OR MORE OF THE FOLLOWING:

5.1.

LIMITED AREA CLEARED AT ANY ONE TIME;

5.2.

ADDITIONAL DRAINAGE REQUIREMENTS DURING CONSTRUCTION;

5.3.

FILTERING OR TREATMENT OF RUNOFF;

5.4.

ADDITIONAL WATER QUALITY;

5.5.

ADDITIONAL EROSION CONTROL TO COVER PORTIONS OF THE SITE;

5.6.

MAINTAINING A VEGETATED BUFFER STRIP BETWEEN SITE AND SENSITIVE AREA;

5.7.

ADDITIONAL FACILITIES TO REDUCE VOLUME AND VELOCITY OF WATER RUNOFF;

5.8.

IF THERE ARE NO WORKABLE ALTERNATIVES, LIMIT CLEARING AND GRADING IN SOME AREAS BETWEEN OCTOBER 1ST AND APRIL 30TH

5.9.

ALL DISTURBED LAND AREAS THAT SHALL REMAIN UNWORKED FOR 14 DAYS OR MORE SHALL BE PHYSICALLY COVERED IN THE WET WEATHER SEASON.







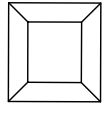




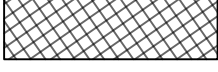


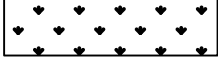



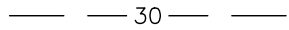



























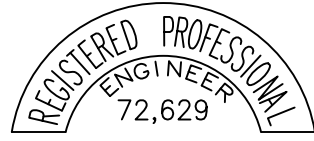

6.

SITE CLEANUP AND DEBRIS REMOVAL. CONTRACTOR TO REMOVE EXCESSIVE SOIL AND DEBRIS DEPOSITED ONTO STREETS OR INTO THE CITY STORM DRAINAGE SYSTEM. STREET CLEANUP ON STREETS EVERY DAY AND UPON COMPLETION OF WORK OR AS REQUIRED BY THE CITY.

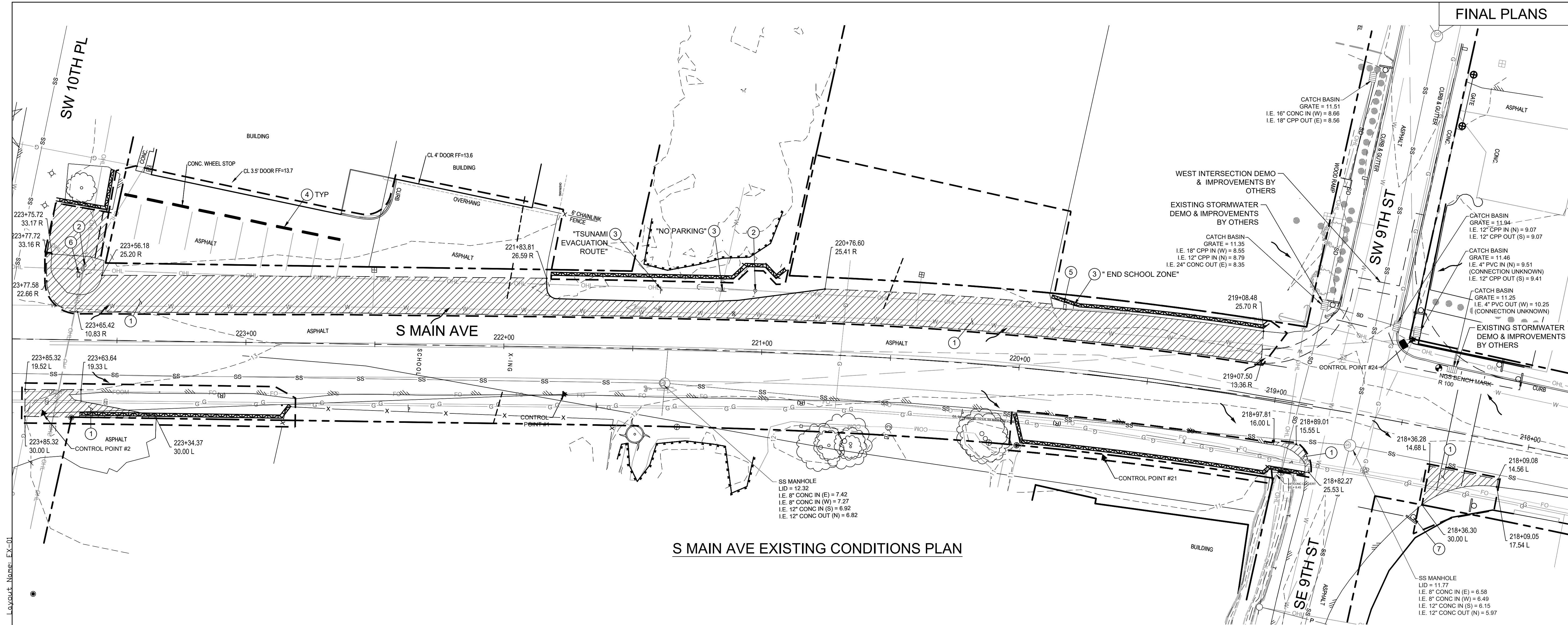
7.

DUST CONTROL ON STREETS ACCESSIBLE AND USED BY RESIDENTS IS REQUIRED.

8.

MINIMUM EROSION CONTROL MEASURES SHALL INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING. SEDIMENT FENCES ALONG THE DOWNGRADE SLOPE OF THE PROJECT PERIMETER. FILTER BAGS AT CATCH BASIN INLETS. STREET CLEANING OF DEBRIS OR MATERIAL DROPPED IN TRANSIT. INSTALLATION OF WATER QUALITY EROSION CONTROL BMP'S PER PROJECT PLANS.
- LEGEND
- PROPOSED
- | | | | |
|--|---|------------------------------|---|
| STORM LINE |  | GRAVEL CONSTRUCTION ENTRANCE |  |
| CURB INLET |  | LANDSCAPE AREA |  |
| ASPHALT SAWCUT |  | | |
| ASPHALT |  | CONCRETE WASHOUT |  |
| SIDEWALK/CONCRETE |  | INLET PROTECTION |  |
| GRAVEL SHOULDER |  | DISTURBANCE LIMITS |  |
| SEAL COAT |  | WATTLE |  |
| DETECTABLE WARNING SURFACE |  | | |
| WATER QUALITY FILTER STRIP |  | | |
| REMOVE EXISTING ASPHALT AND CONCRETE |  | | |
| SEEDING - SEE SHEETS C-01 AND C-02 FOR DETAILS |  | | |
- EXISTING
- | | |
|----------------------------|---|
| RIGHT-OF-WAY |  |
| MAJOR CONTOURS 5' INTERVAL |  |
| MINOR CONTOURS 1' INTERVAL |  |
| STORM LINE |  |
| SEWER LINE |  |
| WATER LINE |  |
| WATER VALVE |  |
| GAS VALVE |  |
| STORM INLET |  |
| FENCE |  |
| GAS LINE |  |
| SIGN |  |
| OVERHEAD POWER |  |
| FIBER OPTIC |  |
| EDGE OF PAVEMENT |  |
| EDGE OF GRAVEL |  |
- | | |
|---------------------------------|---|
| INDICATES ASPHALT | ASPH |
| INDICATES CONCRETE | CONC |
| INDICATES RECORD DATA | () |
| INDICATES AUDITOR'S FILE NUMBER | AFN: |
| RIGHT OF WAY CENTERLINE |  |
| WATER METER WITH VAULT |  |
| STORM SEWER MANHOLE |  |
| DRY WELL |  |
| SANITARY SEWER MANHOLE |  |
| TRANSFORMER |  |
| GAS VALVE |  |
| GAS METER |  |
| POWER POLE |  |
| GUY ANCHOR |  |
| STREET SIGN |  |
| CATCH BASIN (CB) |  |
- FINAL PLANS
- 
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- 
- 
- EXPIRES: 12/31/2023
- WARRENTON MAIN AVE AT 9TH ST SRTS
- WARRENTON, OREGON
- GENERAL NOTES
- | | |
|--|-------------|
| TITLE | |
| # | DESCRIPTION |
| | |
| REVISIONS | |
| NAVD 88 | |
| DATUM | |
| ZMG | AMO |
| DRAWN BY | CHECKED BY |
| FINAL PLANS STATUS | |
| SEPTEMBER 2023 DATE | |
| 19996 PROJECT NUMBER | |
| G-02 | |
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S MAIN AVE EXISTING CONDITIONS PLAN

DEMOLITION LEGEND

- LIMITS OF DISTURBANCE
- - - SAWCUT LINE
- x- SEDIMENT FENCE
- /// SURFACING TO BE REMOVED
- DRAINAGE FLOW ARROW

EXISTING LEGEND

- ▲ SURVEY CONTROL
- ⊙ SANITARY MANHOLE
- ⊙ STORM MANHOLE
- APPROXIMATE MANHOLE SIZE/LOCATION
- ⊙ CATCH BASIN
- ⊙ AREA DRAIN
- ⊙ YARD/AREA DRAIN
- ⊙ CLEAN OUT
- ⊙ GAS VALVE
- ⊙ GAS LINE MARKER SIGN
- ⊙ GAS METER
- ⊙ WATER VALVE
- ⊙ FIRE HYDRANT
- ⊙ WATER METER
- ⊙ COMMUNICATION MANHOLE
- ⊙ UTILITY POLE
- ⊙ GUY ANCHOR
- ⊙ SIGN
- ⊙ MAILBOX
- ⊙ BORE HOLE
- ⊙ BIKE LANE
- DECIDUOUS TREE
- ★ EVERGREEN TREE
- 50' WETLAND BUFFER
- WETLAND BOUNDARY
- SS SANITARY LINE
- G GAS LINE
- OHL OVER HEAD UTILITY LINE
- W WATER LINE
- COM COMMUNICATION LINE
- x- FENCE (AS NOTED)
- RAMP

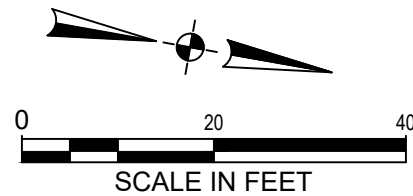
CONC. = CONCRETE
DEC = DECIDUOUS

GENERAL NOTES

- SEE SHEETS G-01 & G-02 FOR NOTES AND LEGEND.
- CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND LEGAL DISPOSAL OF ALL ONSITE EXISTING MATERIALS AND IMPROVEMENTS THAT CONFLICT WITH ACCEPTABLE COMPLETION OF CONSTRUCTION OF THE PROPOSED AND APPROVED PROJECT.
- CONTRACTOR SHALL PROVIDE EROSION CONTROL AND PAVEMENT SWEEPING/CLEANING AS NECESSARY TO ENSURE NO TRACTION OF SOILS ON TO PUBLIC STREETS.
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES UNLESS NOTED TO BE REMOVED ON PLANS.

DEMOLITION NOTES

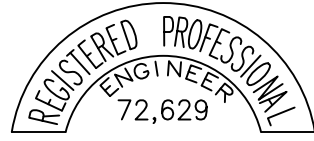
- SAWCUT, DEMO, AND REMOVE EXISTING PAVEMENT, CONCRETE AND GRAVEL.
- EXISTING UTILITY POLE TO REMAIN.
- PROTECT EXISTING SIGNS AND POLE.
- REMOVE AND PRESERVE EXISTING WHEEL STOP. SEE SHEET SS-01 FOR PROPOSED WHEEL STOP LOCATION.
- REMOVE AND PRESERVE EXISTING MAILBOX FOR RELOCATION. SEE SHEET C-02 FOR PROPOSED MAILBOX LOCATION.
- REMOVE AND PRESERVE EXISTING MAILBOX FOR RELOCATION. SEE SHEET C-01 FOR PROPOSED MAILBOX LOCATION.
- REMOVE AND PRESERVE EXISTING SIGN FOR RELOCATION. SEE SHEET SS-01 FOR SIGNING AND STRIPING PLAN.



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OREGON
JUNE 11, 2008
KEITH BUISMAN

EXPIRES: 12/31/2023

WARRENTON MAIN AVE AT 9TH ST SRTS

WARRENTON, OREGON

EXISTING CONDITIONS & DEMO

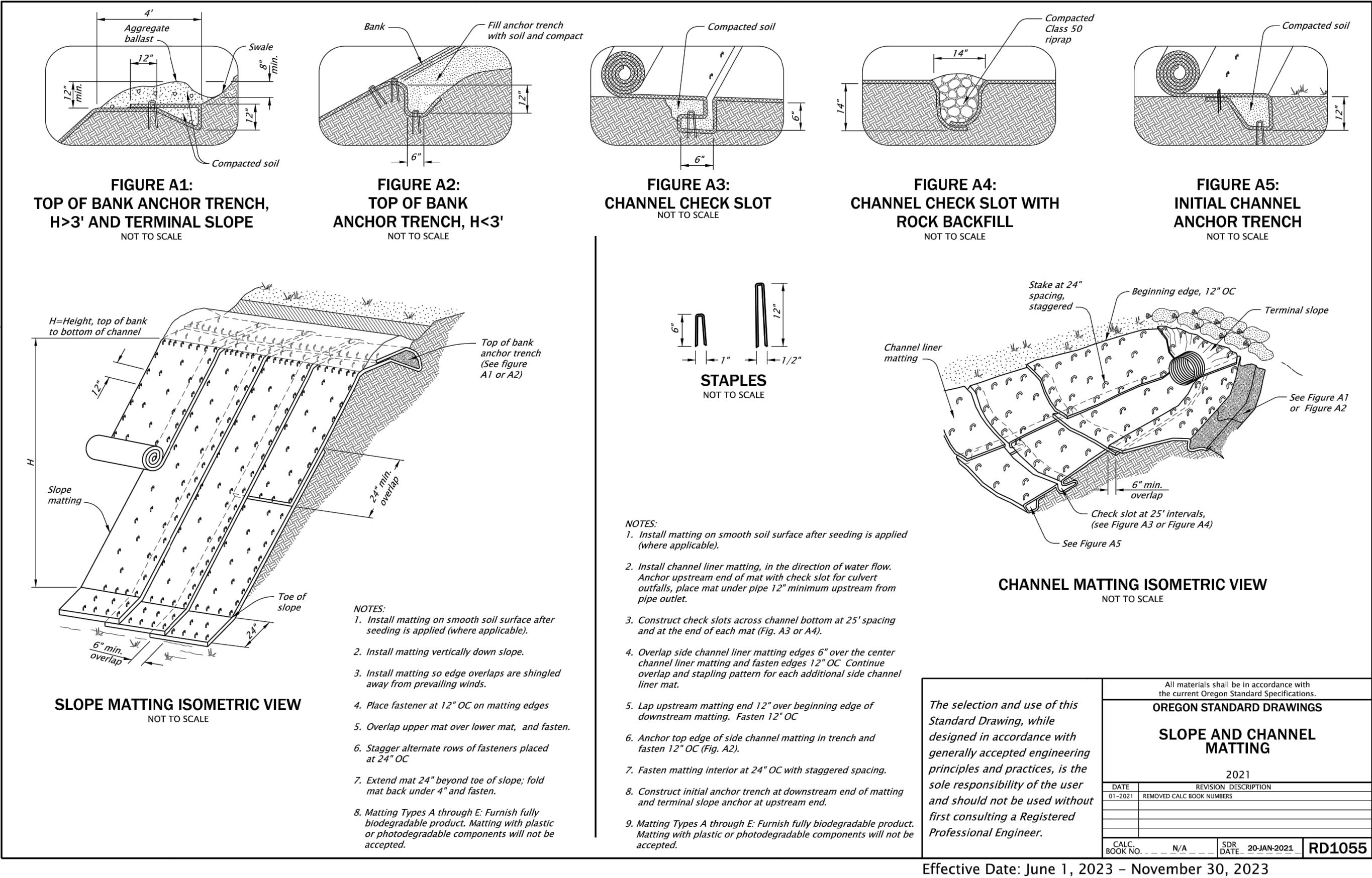
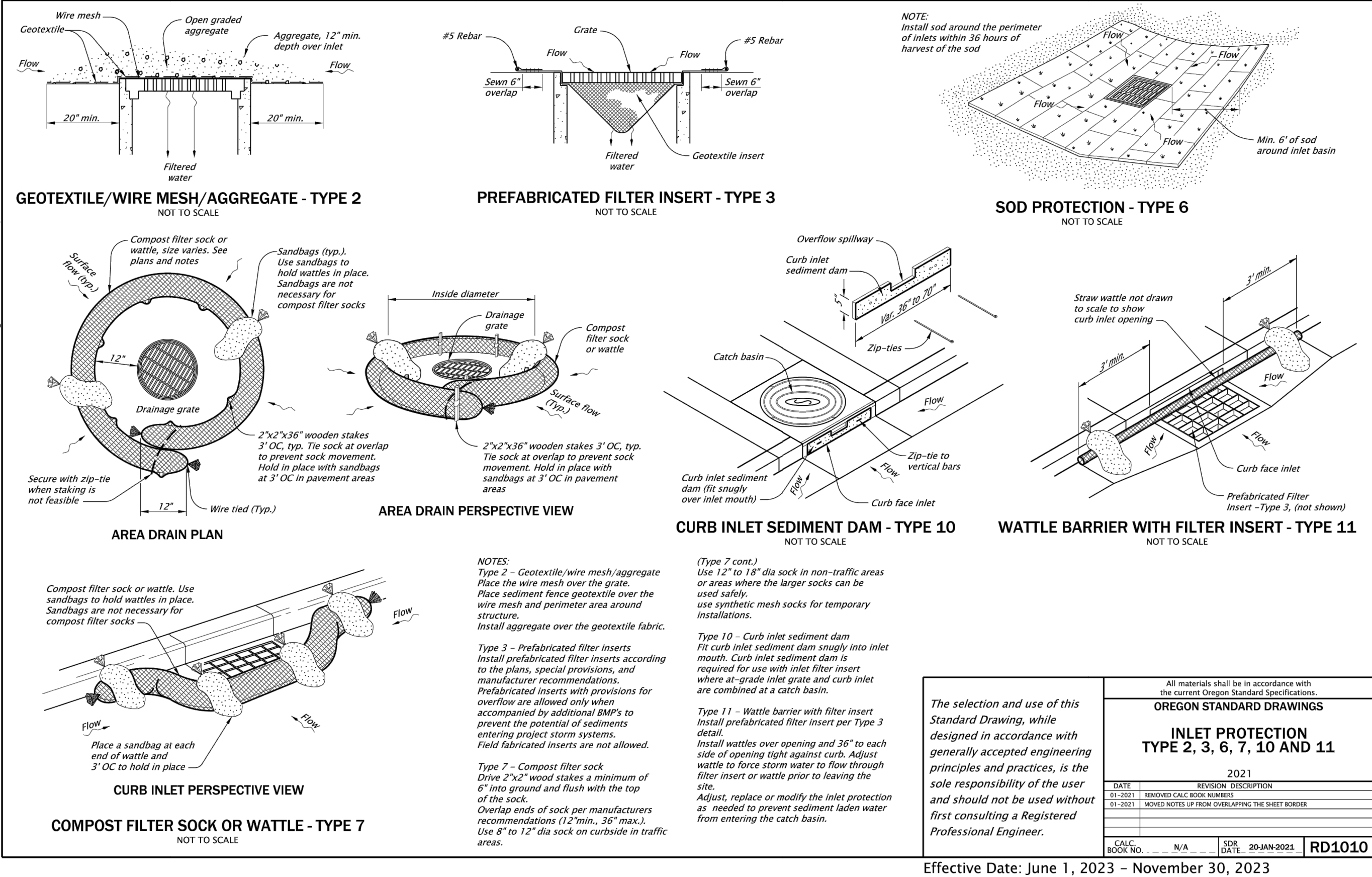
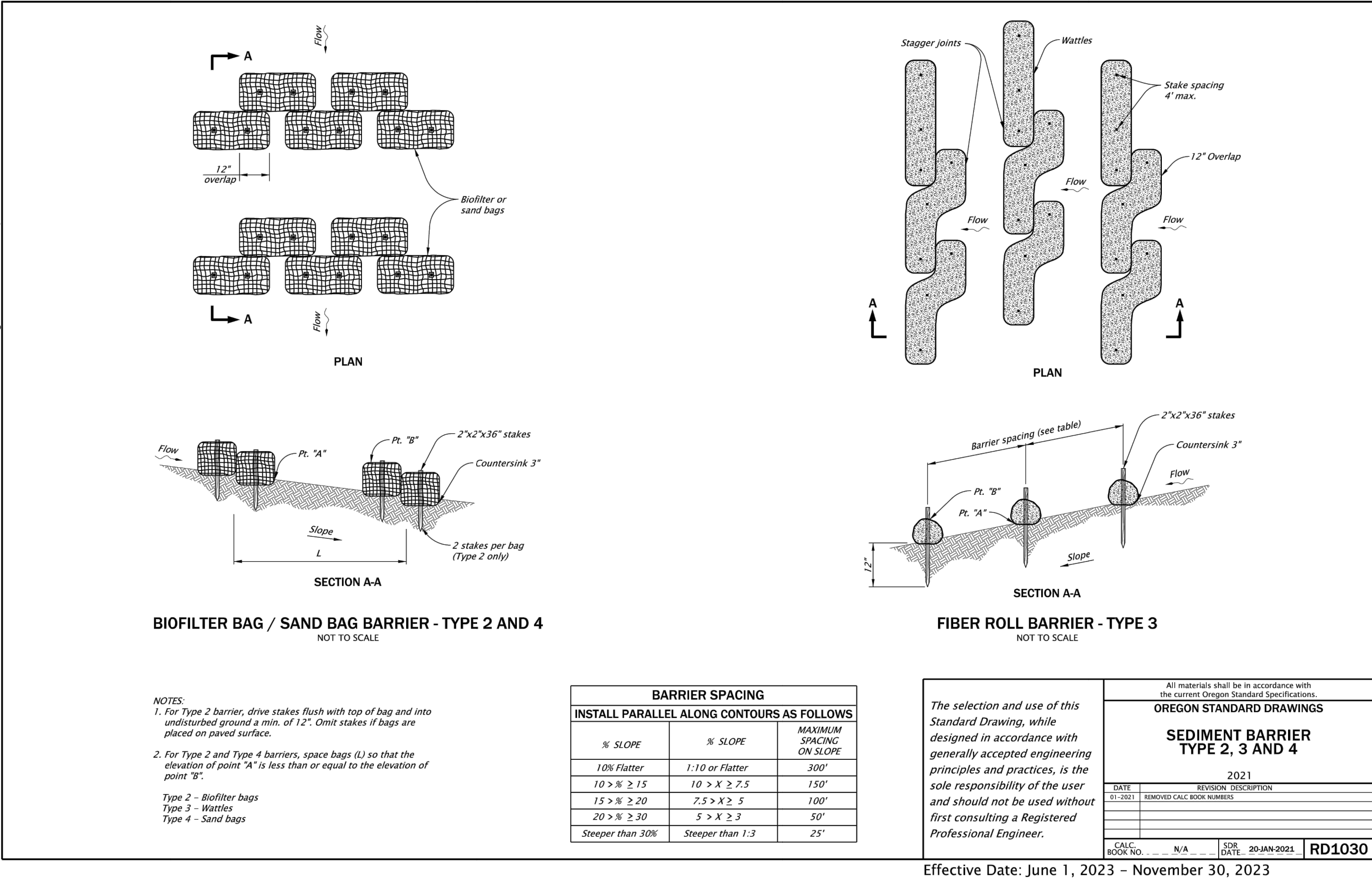
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NAVD 88 DATUM		
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FINAL PLANS STATUS		
SEPTEMBER 2023 DATE		
19996 PROJECT NUMBER		

EX-01

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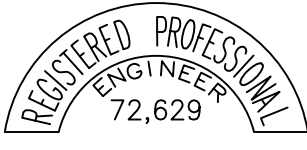
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EXPIRES: 12/31/2023

WARRENTON MAIN AVE AT 9TH ST SRTS

WARRENTON, OREGON

GRADING & EROSION CONTROL DETAILS

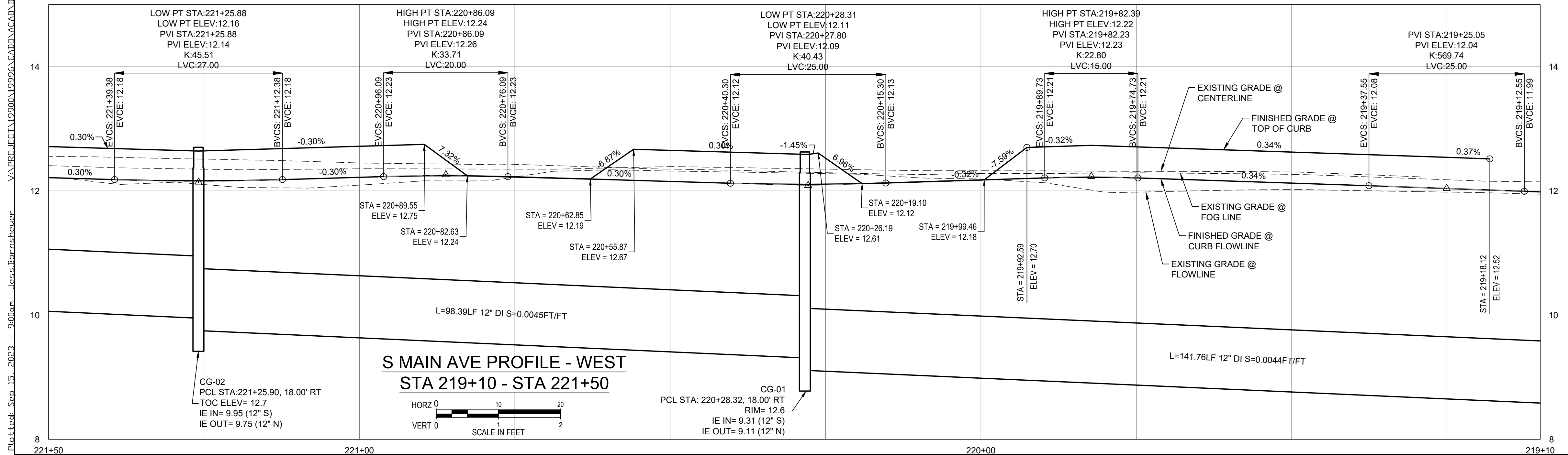
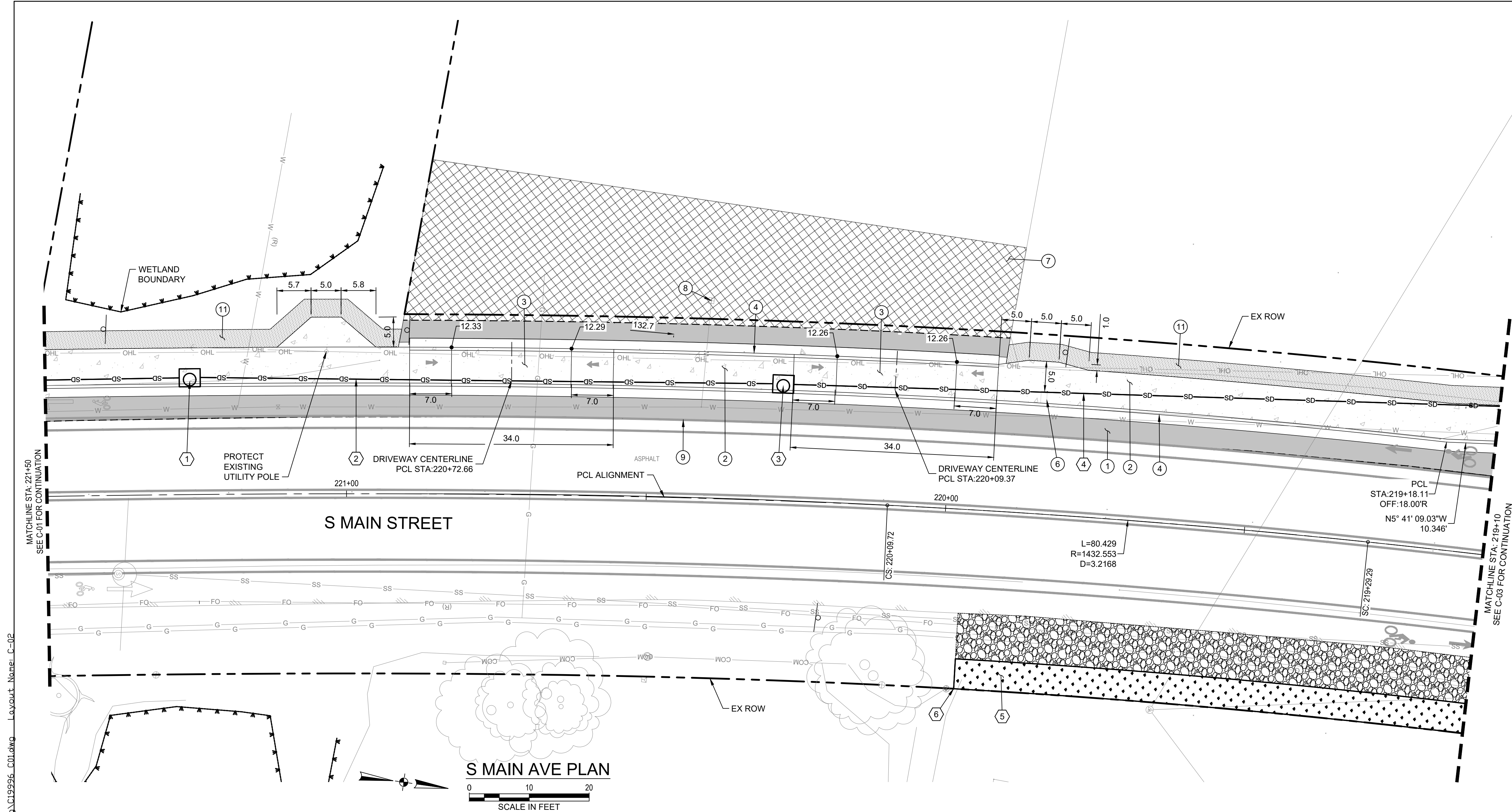
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STATUS		
SEPTEMBER 2023		
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PROJECT NUMBER		

GR-02

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FINAL PLANS

GENERAL NOTES

- SEE SHEET G-01 AND G-02 FOR NOTES AND LEGEND.
- ALL BASIS OF DESIGN IS BASED OFF OF SURVEYED RIGHT-OF-WAY CENTERLINE ALIGNMENT UNLESS OTHERWISE NOTED.
- SEE SHEET SS-01 FOR SIGNING AND STRIPING PLAN
- SEE SHEET C-07 FOR STORM DETAILS.

STREET CONSTRUCTION KEY NOTES

- CONSTRUCT ASPHALT ROADWAY, SEE AC PAVEMENT SECTION ON SHEET C-06.
- CONSTRUCT CONCRETE SIDEWALK PER ODOT STD DWG RD720 ON SHEET STD-02.
- CONSTRUCT FULLY LOWERED DRIVEWAY (OPTION G) PER ODOT STD RD735 ON SHEET STD-03. SEE PLAN VIEW FOR DRIVEWAY CENTERLINE LOCATION.
- CONSTRUCT 6" CURB AND 18" GUTTER PER ODOT STD DWG RD700 ON SHEET STD-01.
- REMOVE AND REINSTALL MAILBOXES ON MULTIPLE MAILBOX SUPPORT. SEE DETAIL RD100 ON SHEET STD-02 AND SPECIAL PROVISIONS.
- SEALCOAT EXISTING PARKING AREA, 2100 SF.
- MINOR ADJUSTMENT OF METER BOX.
- SAWCUT EXISTING PAVEMENT AT EXISTING FOG LINE STRIPING.
- CONSTRUCT AC PAVEMENT, SEE AC PAVEMENT SECTION ON SHEET C-06.
- RESTORE AREAS TO MATCH EXISTING CONDITIONS - INSTALL PERMANENT SEEDING IN NON-HARDSCAPE AREAS DISTURBED BY CONSTRUCTION.

STORM CONSTRUCTION KEY NOTES

- CONSTRUCT CONCRETE INLET, TYPE CG-48 INLET #CG-02 PCL STA: 221+25.90, 18.00' RT RIM= 12.7 IE IN= 9.95 (12" S) IE OUT= 9.75 (12" N) SEE CLEAN WATER SERVICES STANDARD DRAWING NO 340 ON SHEET C-07
- INSTALL STORM SEWER PIPE L=99LF 12" DI S=0.0045FT/FT
- CONSTRUCT CONCRETE INLET, TYPE CG-48 INLET #CG-01 PCL STA: 220+28.32, 18.00' RT TOC ELEV= 12.6 IE IN= 9.31 (12" S) IE OUT= 9.11 (12" N) SEE CLEAN WATER SERVICES STANDARD DRAWING NO. 340 ON SHEET C-07
- INSTALL STORM SEWER PIPE L=142LF 12" DI S=0.0044FT/FT
- CONSTRUCT WATER QUALITY FILTER STRIP D01525 STA: 218+98.93 TO STA: 219+96.94 SEE DETAIL 1 ON SHEET C-07
- INSTALL TYPE S2 FACILITY MARKER SEE ODOT RD 399 ON SHEET STD-01

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REGISTERED PROFESSIONAL ENGINEER
72,629
OREGON
JUNE 11, 2009
KEITH BUISMAN
EXPIRES: 12/31/2023

WARRENTON MAIN AVE AT 9TH ST SRTS

WARRENTON, OREGON

STREET & STORM PLAN & PROFILE S MAIN AVE STA 221+50 TO 219+10

TITLE	
#	DESCRIPTION

REVISIONS

NAVD 88	DATUM
ZMG	ZMG
DRAWN BY	CHECKED BY

FINAL PLANS
STATUS

SEPTEMBER 2023
DATE

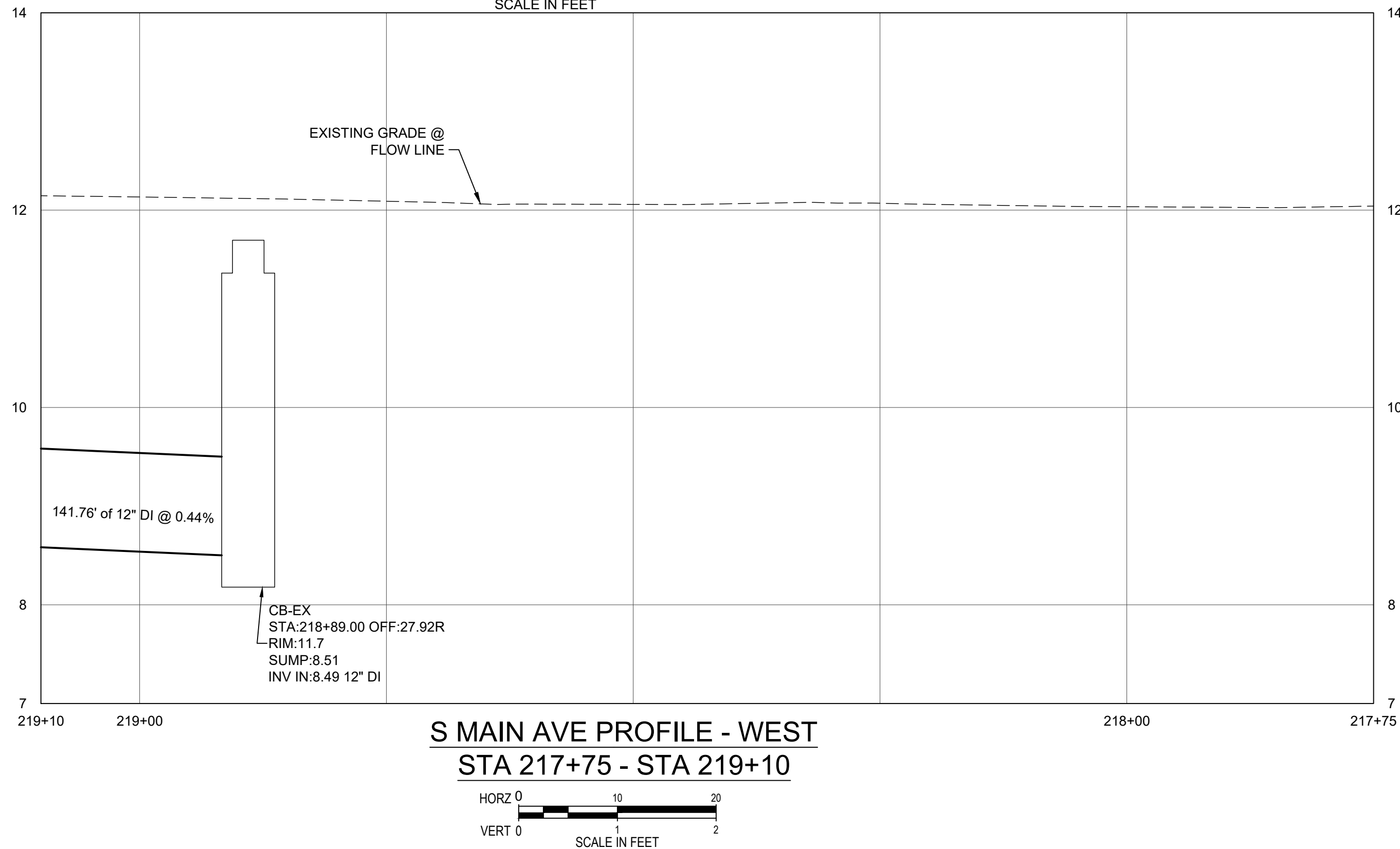
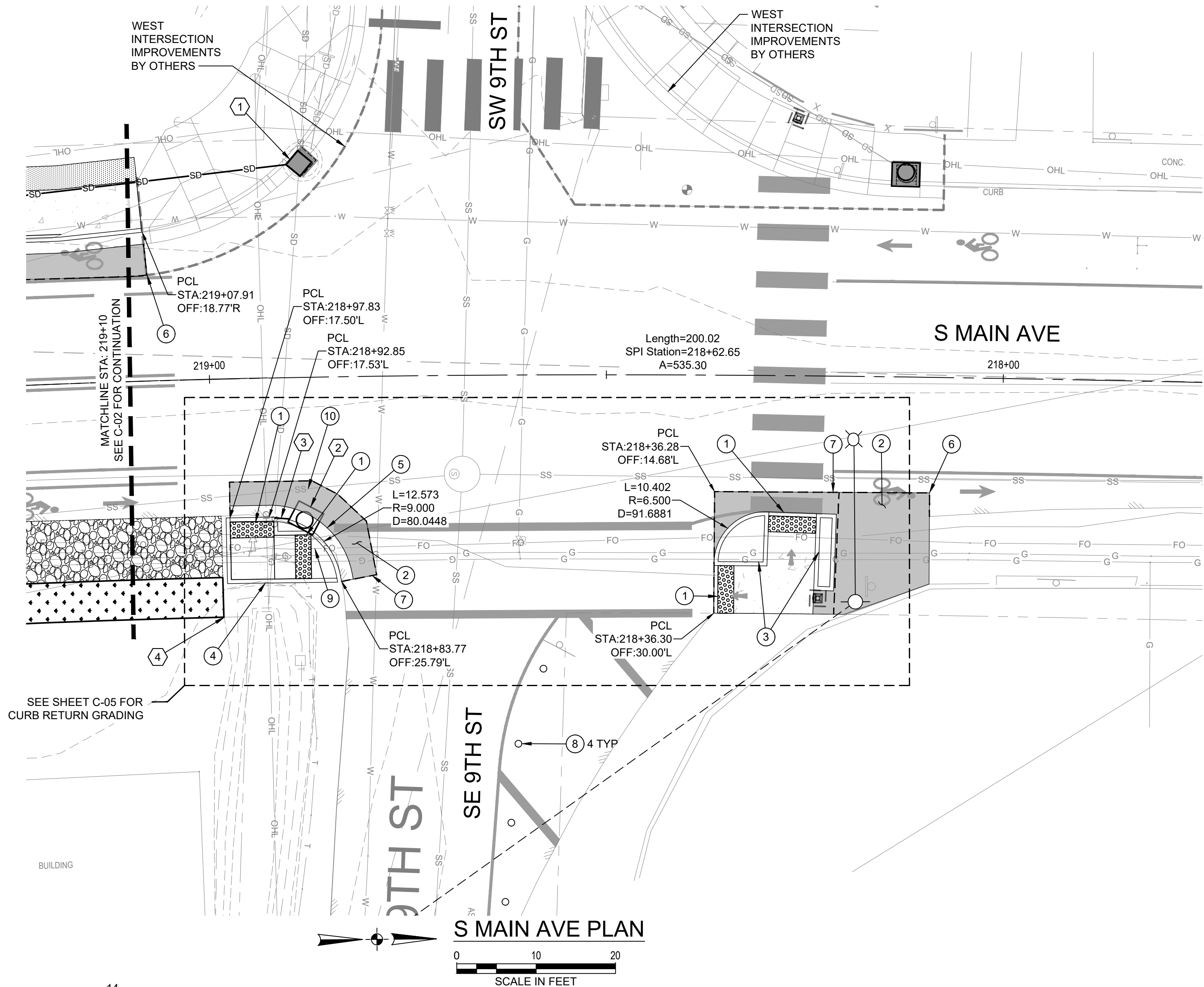
19996
PROJECT NUMBER

C-02

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FINAL PLANS

GENERAL NOTES

1. SEE SHEETS G-01 & G-02 FOR NOTES AND LEGEND.
2. ALL BASIS OF DESIGN IS BASED OFF OF SURVEYED RIGHT-OF-WAY CENTERLINE ALIGNMENT UNLESS OTHERWISE NOTED.
3. SEE SHEET C-05 FOR CURB RETURN AND RAMP GRADING.
4. SEE SHEET SS-01 FOR SIGNING AND STRIPING PLAN.
5. SEE SHEET C-07 FOR STORM DETAILS.

STREET CONSTRUCTION KEY NOTES

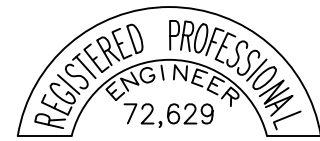
1. CONSTRUCT DETECTABLE WARNING SURFACE PER ODOT STD DWG RD902.
2. CONSTRUCT ASPHALT ROADWAY, SEE AC PAVEMENT SECTION ON SHEET C-06.
3. CONSTRUCT RAISED CONCRETE ISLAND (TYPE C) PER ODOT STD DWG RD705.
4. CONSTRUCT STANDARD CURB, PER ODOT STD DWG RD700 ON SHEET STD-01.
5. CONSTRUCT STANDARD CURB AND GUTTER WITH TRANSITION AT INLET, PER ODOT STD DWGS RD363 AND RD700.
6. END ASPHALT CONSTRUCTION.
PCL STA. 218+09.08, 14.56' LT
7. SAWCUT EXISTING PAVEMENT.
8. CONSTRUCT TRAFFIC DELINEATOR (FLEXIBLE PLASTIC POST TYPE 3) PER ODOT STD DWG TM570.
9. EXISTING LUMEN FIBER OPTIC LINE. PROTECT UTILITY IN PLACE WITH CONSTRUCTION OF STORM INLET. POTHOLE LOCATION/ELEVATION AT LEAST SEVEN CALENDAR DAYS PRIOR TO CONSTRUCTION OF STORM INLET.
10. EXISTING 12" CITY OF WARRENTON SEWER. PROTECT UTILITY IN PLACE WITH CONSTRUCTION OF STORM INLET.

STORM CONSTRUCTION KEY NOTES

1. EX STM MH
PCL STA. 218+89.04, 27.76' RT
EX IE OUT = 8.40 (24" E)
EX IE IN 8.40 (24" W)
IE IN 9.40 (12" S)
CONNECT TO EX MH WITH FERNCO 1004-2424 COUPLER OR APPROVED EQUAL.
2. CONSTRUCT INLET TYPE G-2
PCL STA. 218+88.34, 17.97' LT
RIM=11.4
IE OUT = 9.08 (12" S)
SEE ODOT STD DWG RD364, SHEET C-07.
3. INSTALL 12" DI STORM SEWER PIPE
L=3.00' 12" DI S=0.050 FT/FT
CONNECT TO EXISTING 24" CULVERT WITH INSERTA-TEE AT
IE OUT = 8.93
4. INSTALL TYPE S2 FACILITY MARKER
SEE ODOT RD 399 ON SHEET STD-01



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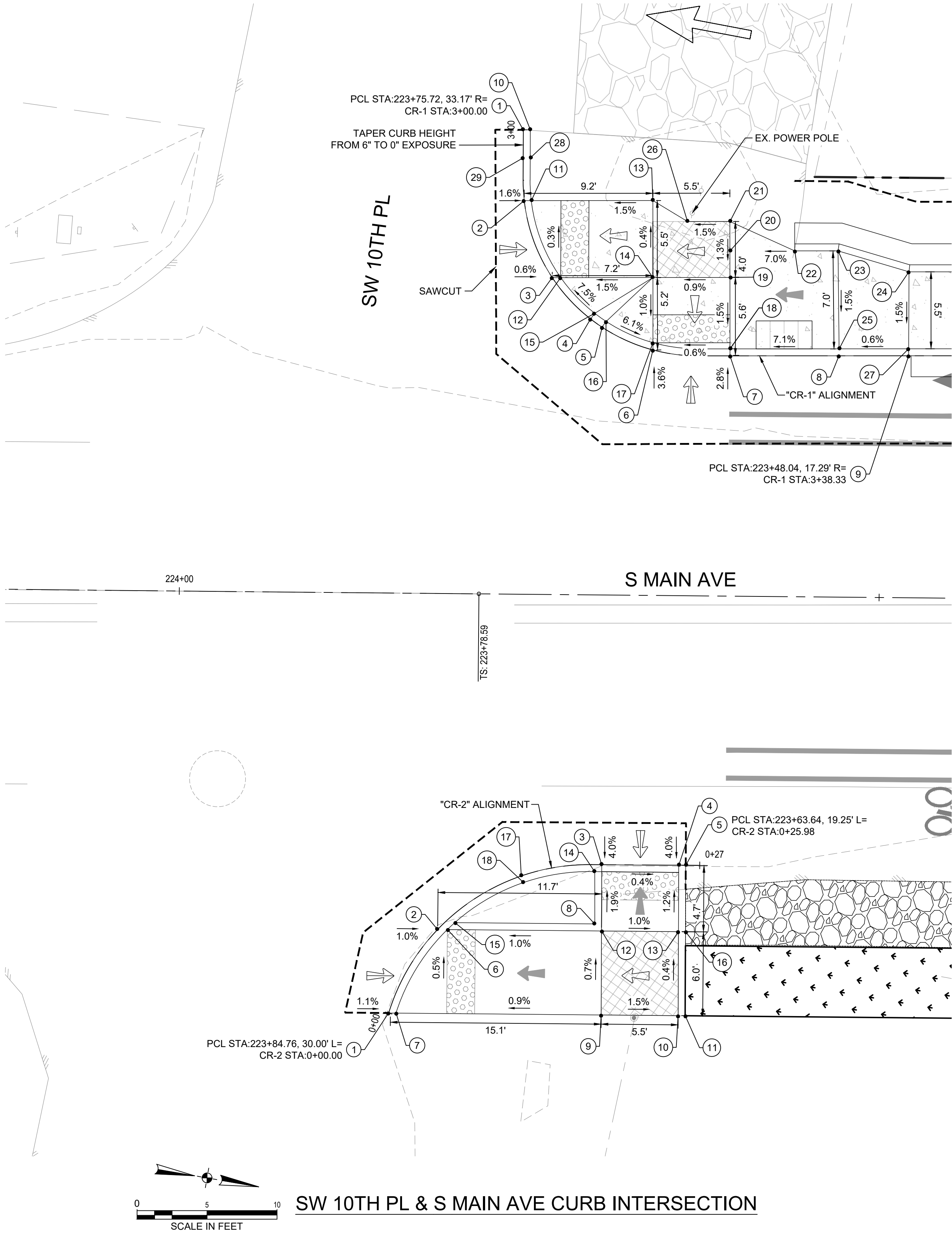
WARRENTON MAIN AVE AT 9TH ST SRTS

WARRENTON, OREGON

STREET & STORM PLAN & PROFILE S MAIN AVE STA 219+10 TO 217+75

TITLE		
#	DATE	DESCRIPTION
REVISIONS		
NAVD 88 DATUM		
ZMG DRAWN BY		ZMG CHECKED BY
FINAL PLANS STATUS		
SEPTEMBER 2023 DATE		
19996 PROJECT NUMBER		
C-03		
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CR-1 GUTTER KEYPOINT ELEVATIONS		
LOCATION	CR STATION	GUTTER ELEV
2	CR-1 STA: 3+05.06	12.74
3	CR-1 STA: 3+10.97	12.78
4	CR-1 STA: 3+15.02	12.81
5	CR-1 STA: 3+16.04	12.82
6	CR-1 STA: 3+20.02	12.84
7	CR-1 STA: 3+25.56	12.86
8	CR-1 STA: 3+33.36	12.92
9	CR-1 STA: 3+38.33	12.95
29	CR-1 STA: 3+02.00	12.72

CR-1 GUTTER KEYPOINT ELEVATIONS		
LOCATION	CR STATION	GUTTER ELEV
1	CR-1 STA: 3+00.00	(12.70)



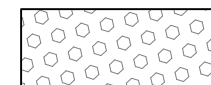




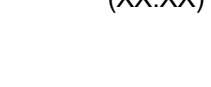
CR-1 RAMP KEYPOINT ELEVATIONS			
LOCATION	CR STATION	OFFSET	ELEVATION
10	CR-1 STA: 3+00.00	0.51' LT	12.70
11	CR-1 STA: 3+05.12	0.50' LT	12.74
12	CR-1 STA: 3+11.31	0.50' LT	12.79
13	CR-1 STA: 3+08.77	8.98' LT	12.87
14	CR-1 STA: 3+17.82	4.88' LT	12.89
15	CR-1 STA: 3+15.00	0.49' LT	13.06
16	CR-1 STA: 3+16.04	0.49' LT	13.07
17	CR-1 STA: 3+19.89	0.49' LT	12.84
18	CR-1 STA: 3+25.56	0.50' LT	12.86
19	CR-1 STA: 3+25.56	5.60' LT	12.94
20	CR-1 STA: 3+25.56	7.50' LT	12.97
21	CR-1 STA: 3+25.56	9.60' LT	12.96
22	CR-1 STA: 3+30.19	7.50' LT	13.29
23	CR-1 STA: 3+33.29	7.50' LT	13.53
24	CR-1 STA: 3+38.35	6.00' LT	13.53
25	CR-1 STA: 3+33.36	0.50' LT	13.42
26	CR-1 STA: 3+20.12	9.50' LT	12.91
27	CR-1 STA: 3+38.33	0.50' LT	13.45
28	CR-1 STA: 3+02.00	0.50' LT	13.22

CR-2 GUTTER KEYPOINT ELEVATIONS		
LOCATION	CR STATION	GUTTER ELEV
2	CR-2 STA: 0+06.98	13.03
3	CR-2 STA: 0+19.98	13.05
17	CR-2 STA: 0+14.15	13.08

CR-2 GUTTER KEYPOINT ELEVATIONS		
LOCATION	CR STATION	GUTTER ELEV
1	CR-2 STA: 0+00.00	(13.00)
4	CR-2 STA: 0+25.48	(13.03)

CR-2 RAMP KEYPOINT ELEVATIONS			
LOCATION	CR STATION	OFFSET	ELEVATION
5	CR-2 STA: 0+25.98	0.00' T	13.53
6	CR-2 STA: 0+07.48	0.50' RT	13.03
7	CR-2 STA: 0+00.16	0.50' RT	13.01
8	CR-2 STA: 0+19.51	4.23' RT	13.64
9	CR-2 STA: 0+20.01	10.74' RT	13.19
10	CR-2 STA: 0+25.51	10.75' RT	13.11
11	CR-2 STA: 0+26.01	10.75' RT	13.61
12	CR-2 STA: 0+20.00	4.74' RT	13.14
13	CR-2 STA: 0+25.50	4.75' RT	13.09
14	CR-2 STA: 0+19.48	0.50' RT	13.55
15	CR-2 STA: 0+08.23	0.50' RT	13.53
16	CR-2 STA: 0+26.00	4.75' RT	13.58
18	CR-2 STA: 0+14.15	0.50' RT	13.58

LEGEND

- SIDEWALK
- TURNING SPACE MIN. LEVEL AREA 4'X4' 4'X5' WHEN CONSTRAINED (WITH LONGER DIMENSION IN DIRECTION OF PEDESTRIAN CROSSING). FOR THE PURPOSES OF THIS APPLICATION, A MAX. 2.0% FINISHED SURFACE SLOPE (FOR DRAINAGE) IS CONSIDERED LEVEL.
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- SLOPE 1.5% MAX. (MAX. 2.0% FINISHED SURFACE SLOPE) (NORMAL SIDEWALK CROSS SLOPE)
- SLOPE 7.5% MAX. (MAX. 8.3% FINISHED SURFACE SLOPE) (RAMP LENGTH 15' MAX., MEASURED ALONG FINISHED SURFACE SLOPE)
- COUNTER SLOPE (4% MAX)
- STATION, OFFSET, ELEVATION POINT
- MATCH EXISTING ELEVATION

CONSTRUCTION NOTES:

- SLOPES HOLD OVER ELEVATIONS.
- MAX. CROSS SLOPE CHANGE ON RAMP 0.5% PER FOOT.
- SEE STD. DWGS ON SHEET STD-01 AND STD-03 FOR DETAILS NOT SHOWN.

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WARRENTON MAIN AVE AT 9TH ST SRTS

WARRENTON, OREGON

CURB RAMPS

TITLE	
#	DESCRIPTION

REVISIONS

NAVD 88	DATUM
ZMG	ZMG
DRAWN BY	CHECKED BY

FINAL PLANS
STATUS

SEPTEMBER 2023
DATE

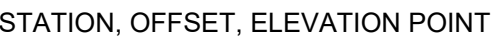
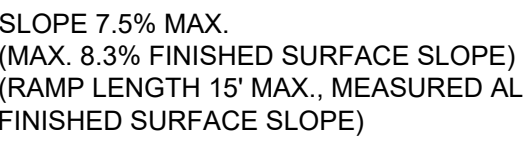
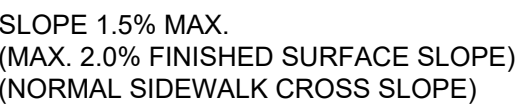
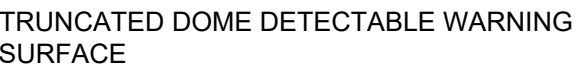
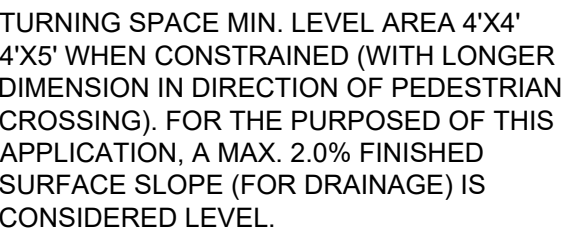
19996
PROJECT NUMBER

C-04

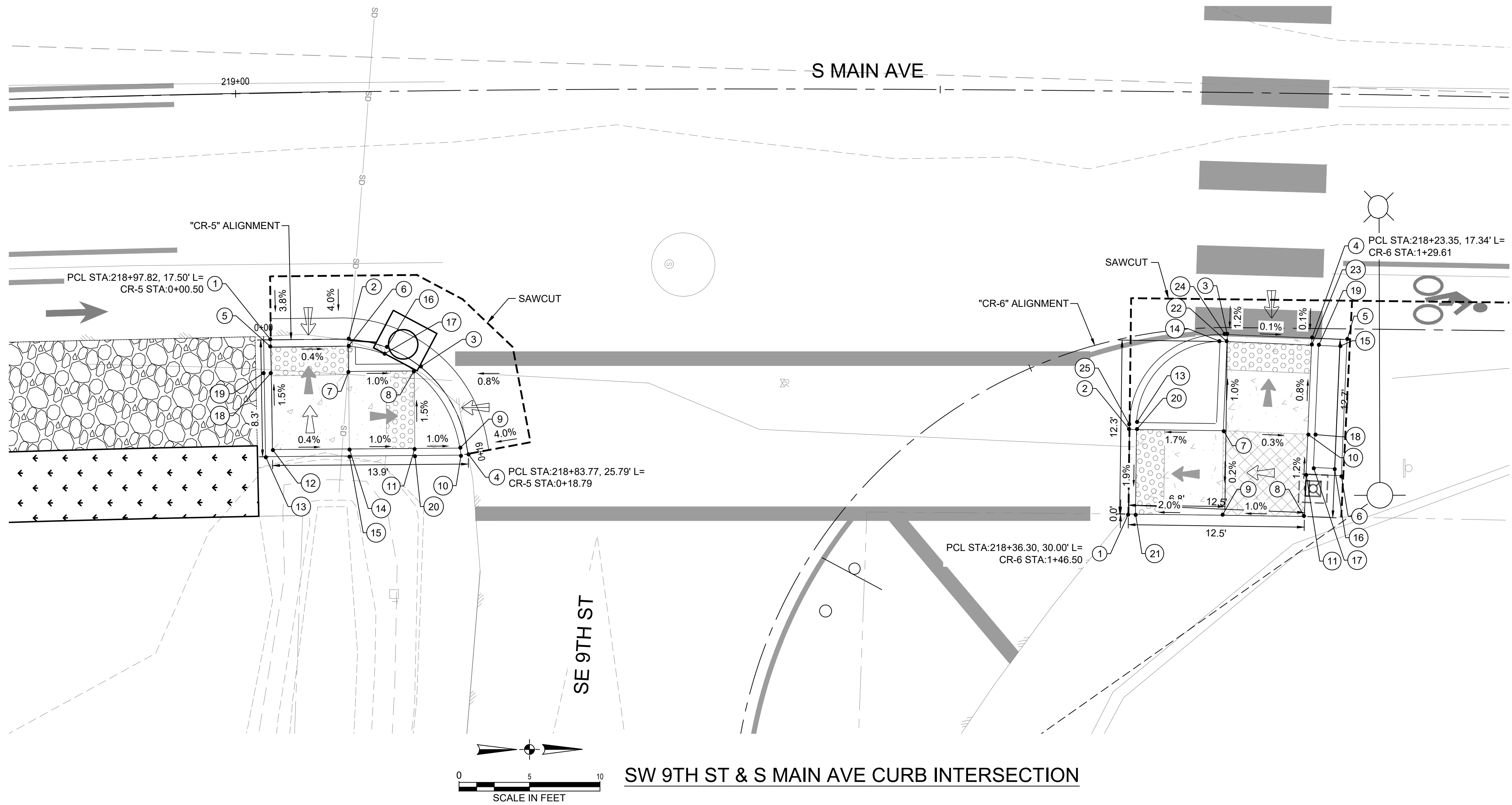
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LEGEND



1. SLOPES HOLD OVER ELEVATIONS.
2. MAX. CROSS SLOPE CHANGE ON RAMP 0.5% PER FOOT.
3. SEE STD. DWGS ON SHEET STD-01 FOR DETAILS NOT SHOWN.



CR-5 GUTTER KEYPOINT ELEVATIONS		
LOCATION	CR STATION	GUTTER ELEV
2	CR-5 STA: 0+06.02	11.51
3	CR-5 STA: 0+11.57	11.51
16	CR-5 STA: 0+08.79	11.48

CR-5 GUTTER KEYPOINT ELEVATIONS		
LOCATION	CR STATION	GUTTER ELEV
1	CR-5 STA: 0+00.50	(11.53)
4	CR-5 STA: 0+18.79	(11.56)

CR-5 RAMP KEYPOINT ELEVATIONS			
LOCATION	CR STATION	OFFSET	ELEVATION
5	CR-5 STA: 0+00.50	0.50' RT	11.53
6	CR-5 STA: 0+06.04	0.50' RT	11.51
7	CR-5 STA: 0+06.22	2.27' RT	11.56
8	CR-5 STA: 0+11.40	0.50' RT	11.51
9	CR-5 STA: 0+18.28	0.50' RT	11.56
11	CR-5 STA: 0+17.54	3.64' RT	11.59
12	CR-5 STA: 0+00.55	7.78' RT	11.66
13	CR-5 STA: 0+00.05	8.28' RT	12.16
14	CR-5 STA: 0+09.46	7.66' RT	11.64
15	CR-5 STA: 0+11.61	0.90' RT	12.14
17	CR-5 STA: 0+08.79	0.50' RT	11.98
18	CR-5 STA: 0+00.52	2.33' RT	11.58
19	CR-5 STA: 0+00.02	2.33' RT	12.08
20	CR-5 STA: 0+18.22	3.73' RT	12.09
CR-5 RAMP KEYPOINT ELEVATIONS			
LOCATION	CR STATION	OFFSET	ELEVATION
10	CR-5 STA: 0+18.79	0.50' RT	(11.56)

CR-6 RAMP KEYPOINT ELEVATIONS			
LOCATION	CR STATION	OFFSET	ELEVATION
7	CR-6 STA: +135.96	7.32' LT	11.83
8	CR-6 STA: +130.00	13.34' LT	11.88
9	CR-6 STA: +136.15	13.32' LT	11.81
10	CR-6 STA: +129.82	7.51' LT	11.81
11	CR-6 STA: +129.91	10.35' LT	11.84
12	CR-6 STA: +136.55	6.81' LT	12.33
13	CR-6 STA: +143.44	6.04' LT	12.22
14	CR-6 STA: +136.15	0.98' LT	12.26
15	CR-6 STA: +127.63	1.24' LT	12.23
16	CR-6 STA: +127.90	9.91' LT	12.30
17	CR-6 STA: +129.39	9.97' LT	12.33
18	CR-6 STA: +129.32	7.52' LT	12.31
19	CR-6 STA: +129.13	1.20' LT	12.25
20	CR-6 STA: +143.59	6.52' LT	11.72
21	CR-6 STA: +145.77	12.31' LT	11.61
22	CR-6 STA: +135.64	1.00' LT	11.76
23	CR-6 STA: +129.63	1.18' LT	11.76

CR-6 RAMP KEYPOINT ELEVATIONS			
LOCATION	CR STATION	OFFSET	ELEVATION
1	CR-6 STA: +146.50	12.16' LT	(11.60)
2	CR-6 STA: +144.18	6.40' LT	(11.71)
3	CR-6 STA: +135.62	0.50' LT	(11.76)
4	CR-6 STA: +129.61	0.68' LT	(11.75)
5	CR-6 STA: +127.12	0.76' LT	(11.73)
6	CR-6 STA: +127.41	10.42' LT	(11.80)
24	CR-6 STA: +135.79	0.49' LT	(11.76)
25	CR-6 STA: +144.08	6.08' LT	(11.71)

WARRENTON MAIN AVE AT 9TH ST SRTS

WARRENTON, OREGON

ROADWAY DETAILS

[illegible]

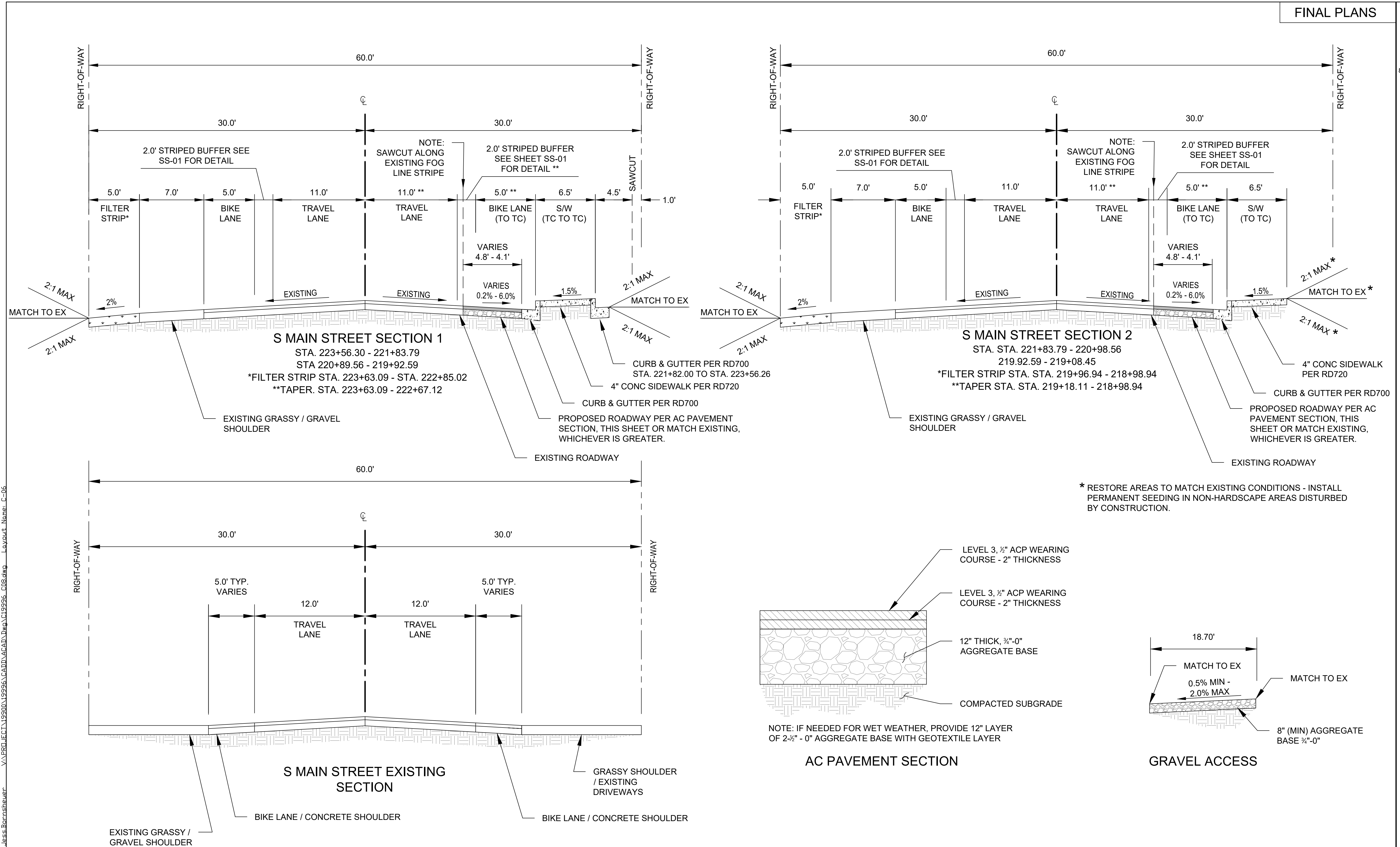
REVISIONS	
NAVD 88	
DATUM	
ZMG	ZMG
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19996
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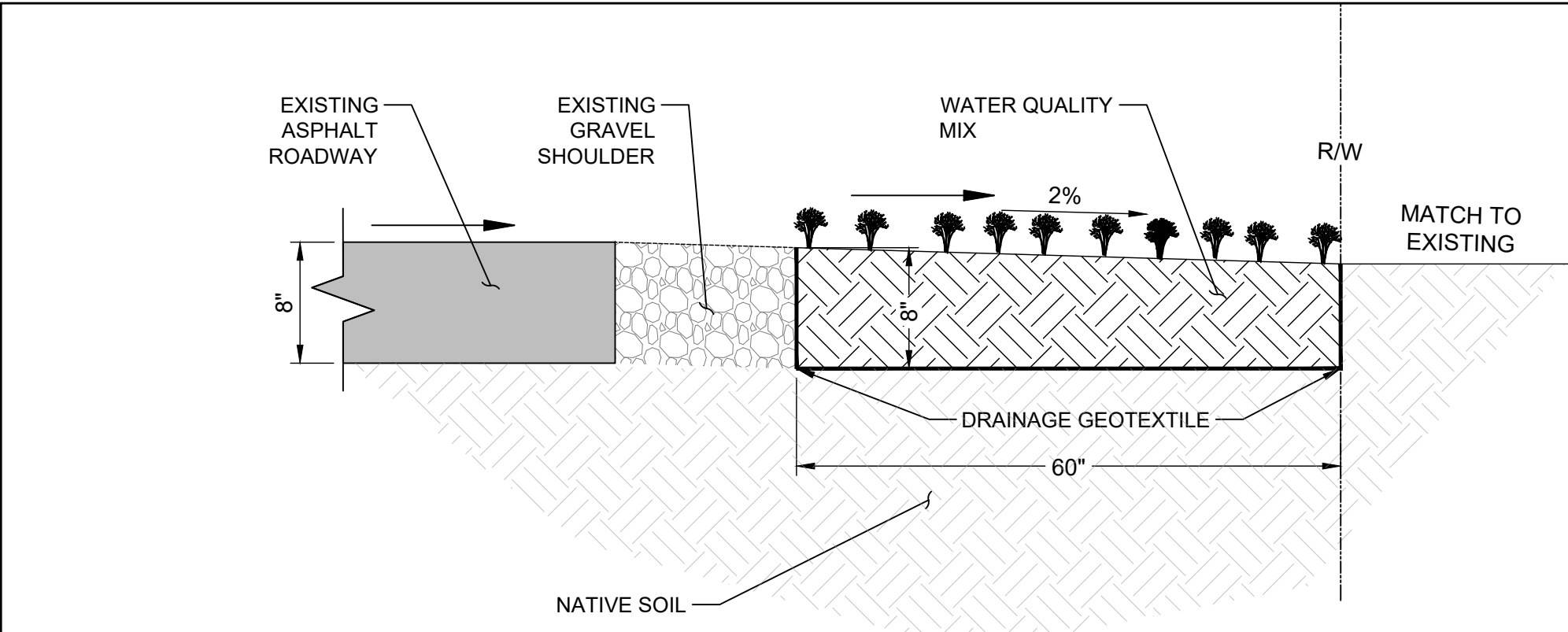
C-06

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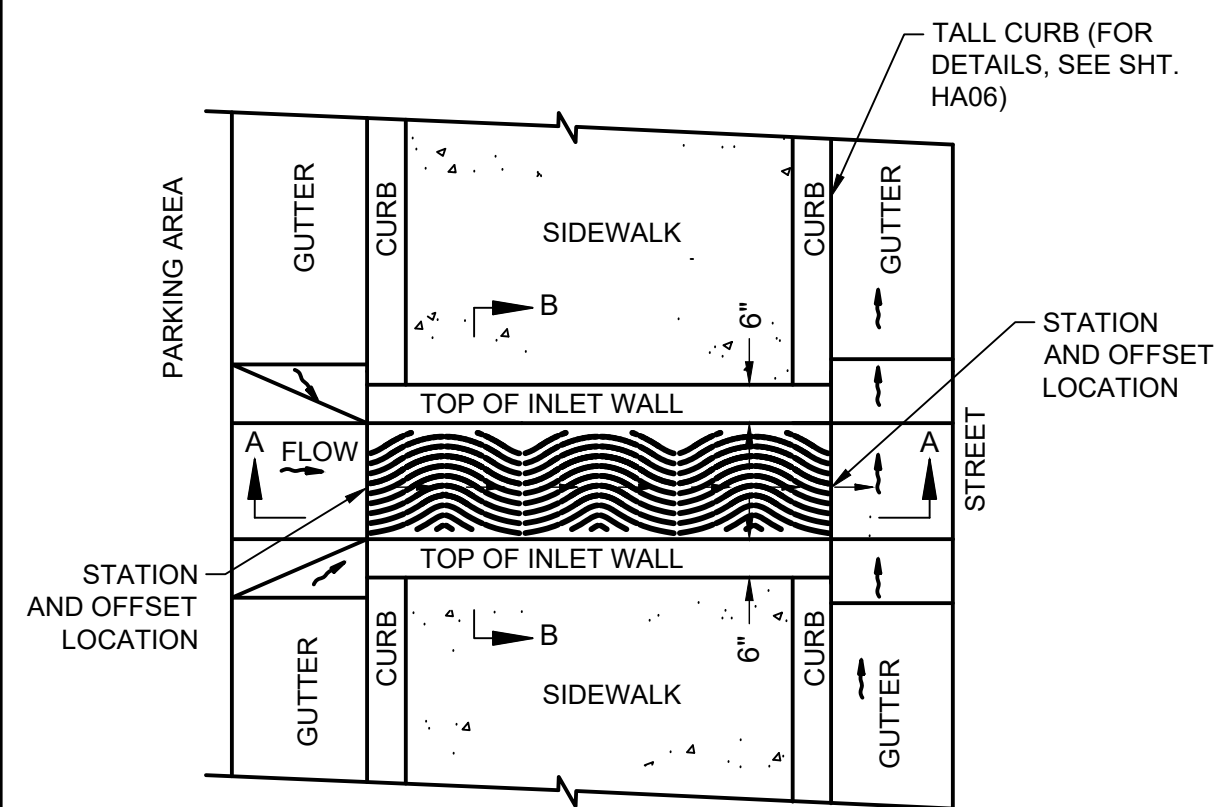
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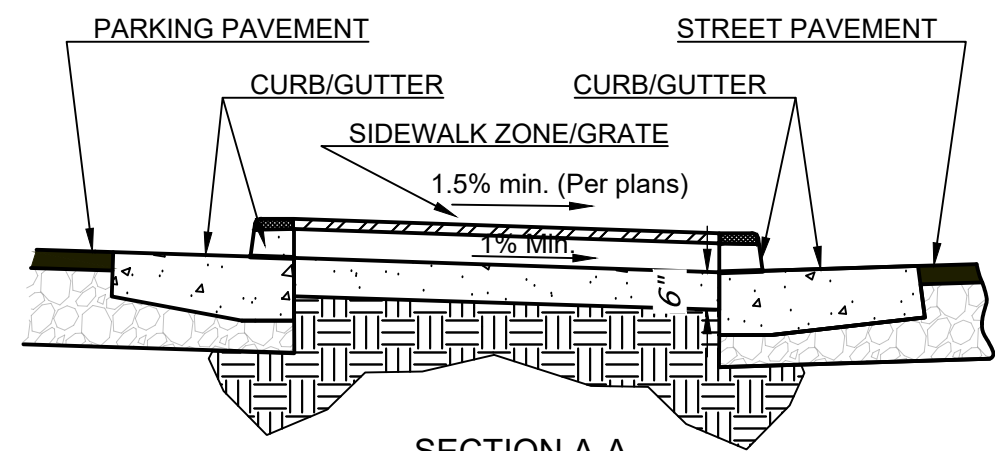
Plotted: Sep 15, 2023 - 9:03am Jess.Roccosbeuer V:\PROJECT\19900\19996\CADD\Drawings\C19996_C08.dwg Layout Name: C-07



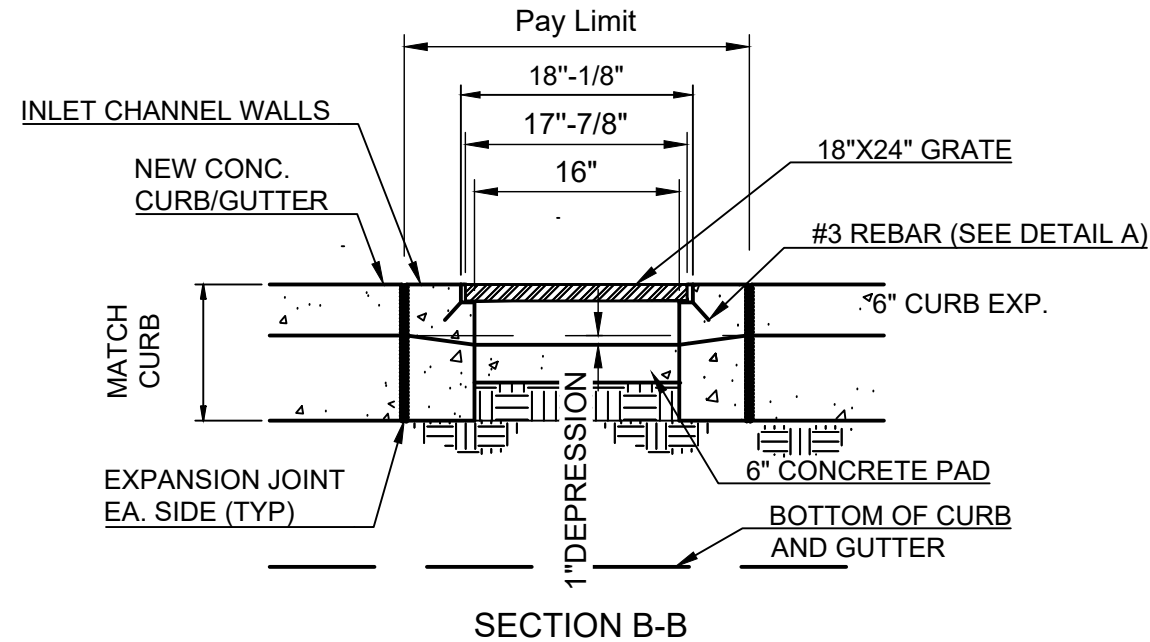
1 WATER QUALITY FILTER STRIP
SCALE: NTS



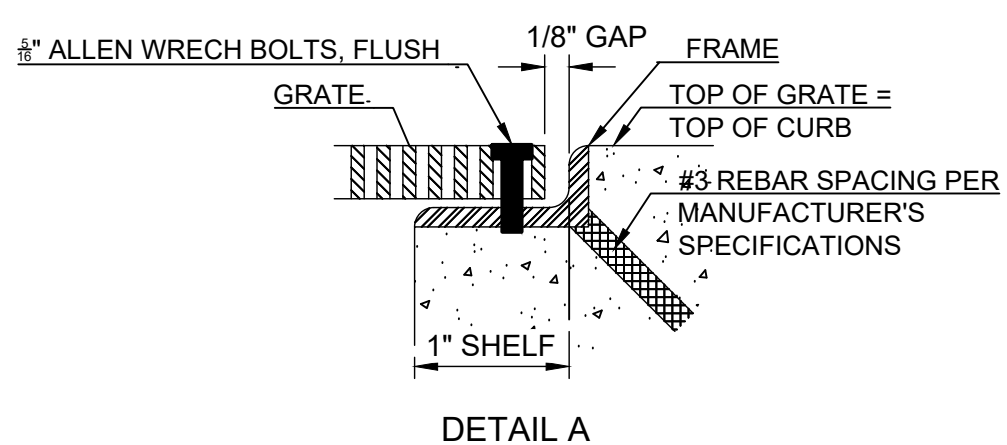
PLAN VIEW



SECTION A-A



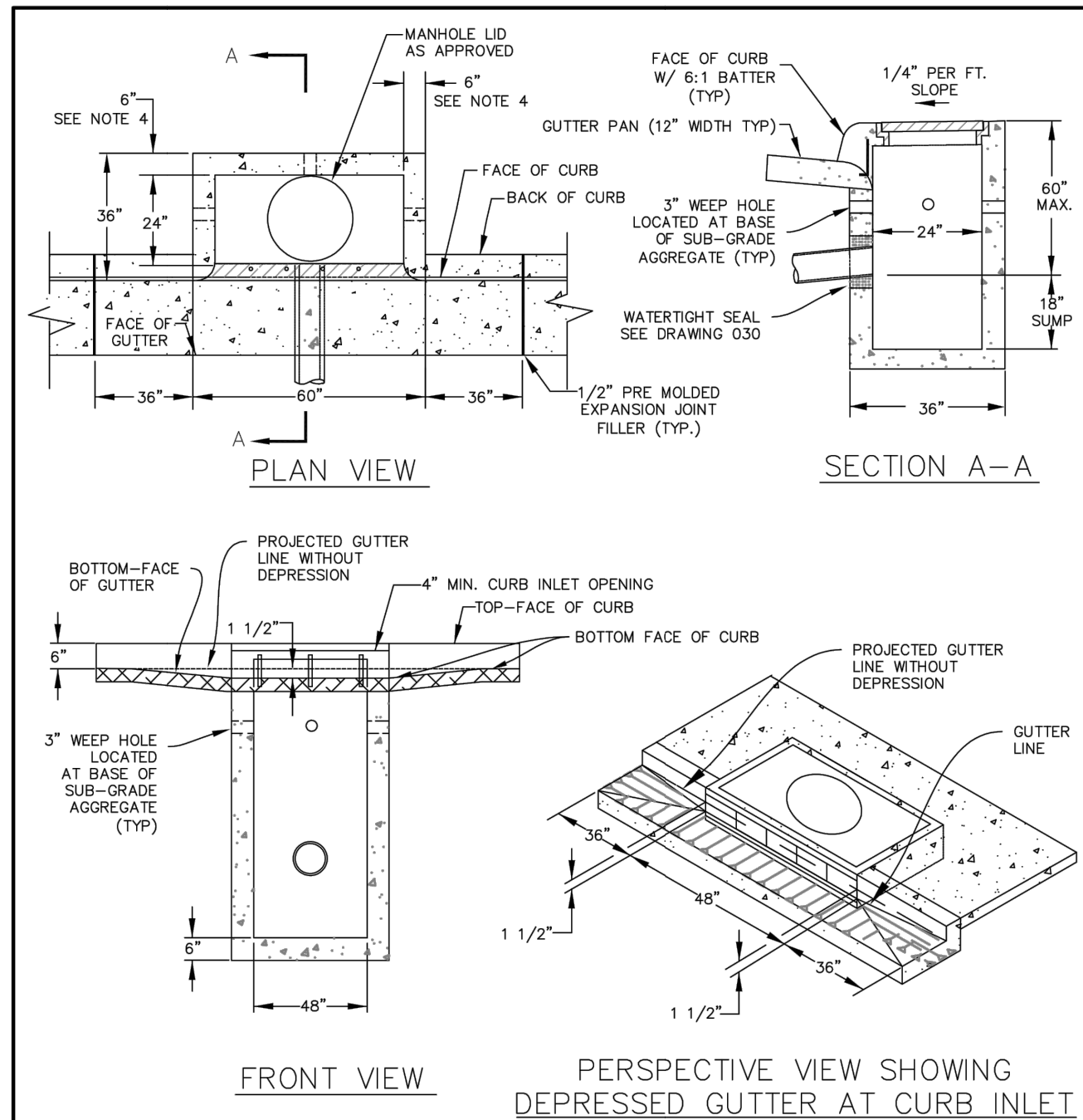
SECTION B-B



DETAIL A

NOTE:
MAXIMUM GRATE HOLE WIDTH (OPEN) 1/4 INCH.
GRATE SIZE 18\"/>

2 CONCRETE CHANNEL INLET
SCALE: NTS



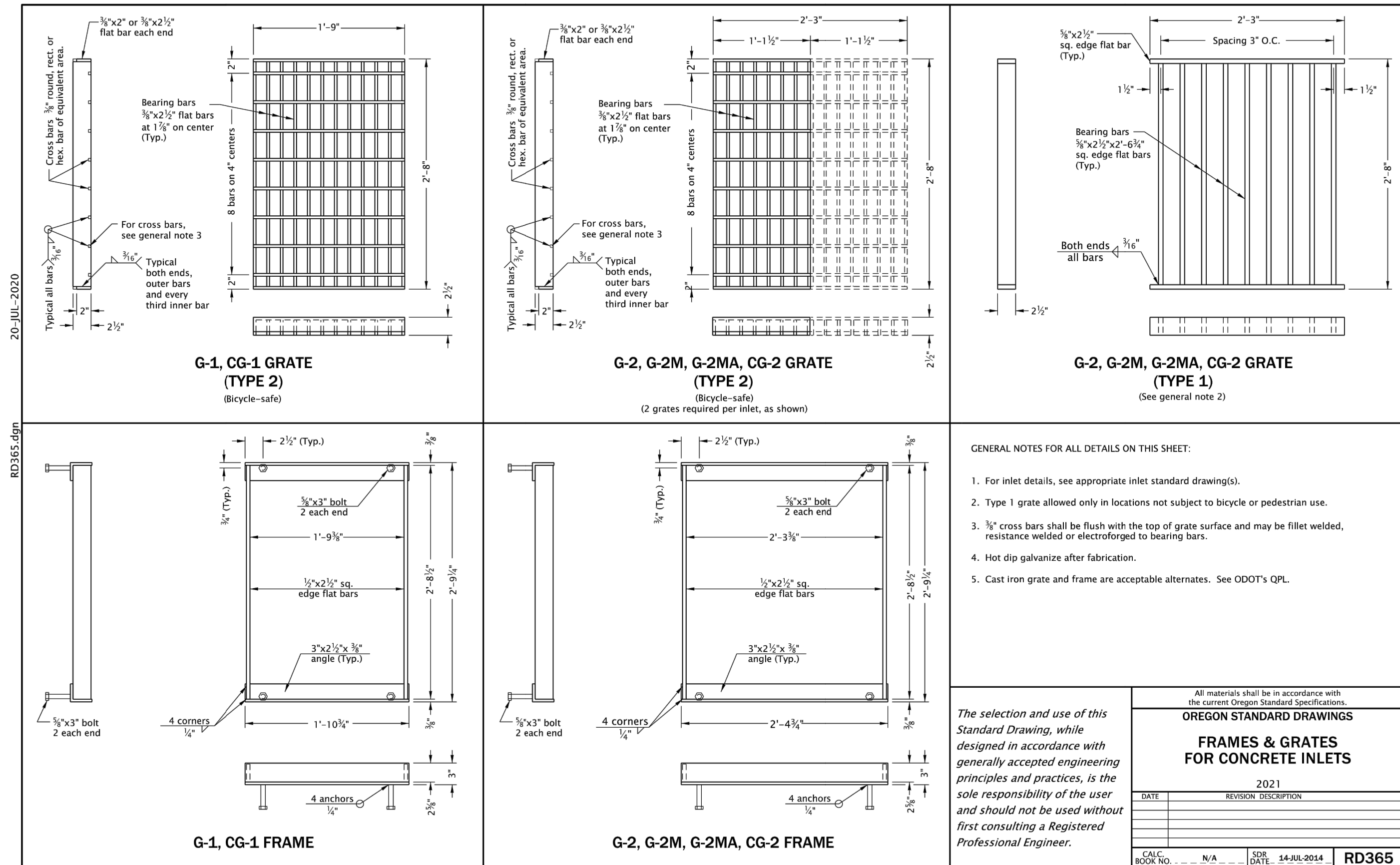
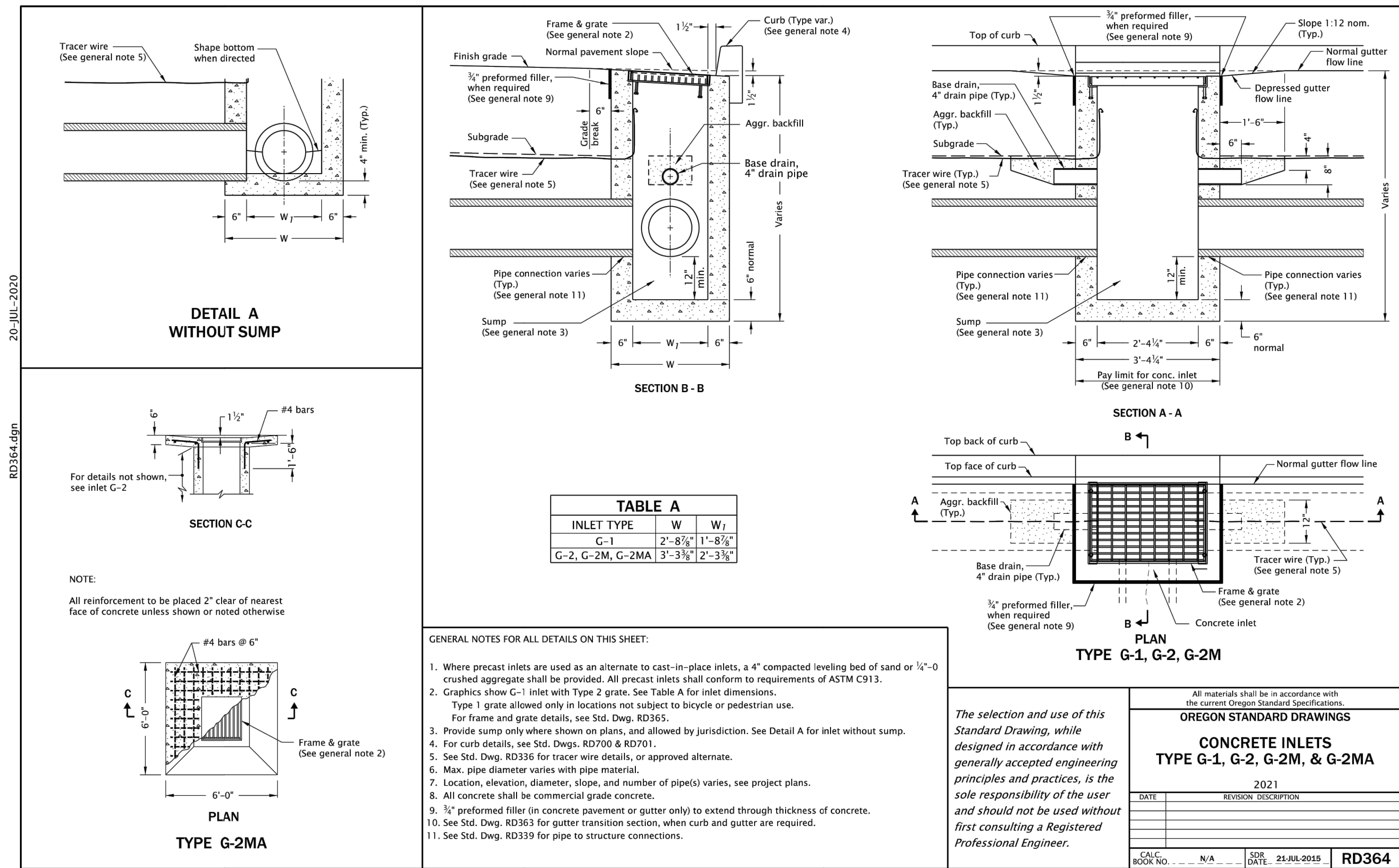
NOTES:

1. ALL POURED IN PLACE CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 3000 P.S.I. AND A SLUMP OF 2\"/>

INLET CATCH BASIN (CG-48)

DRAWING NO. 340

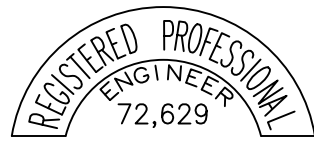
REVISED 10-31-19



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WARRENTON MAIN AVE AT 9TH ST SRTS

WARRENTON, OREGON

STORMWATER DETAILS I

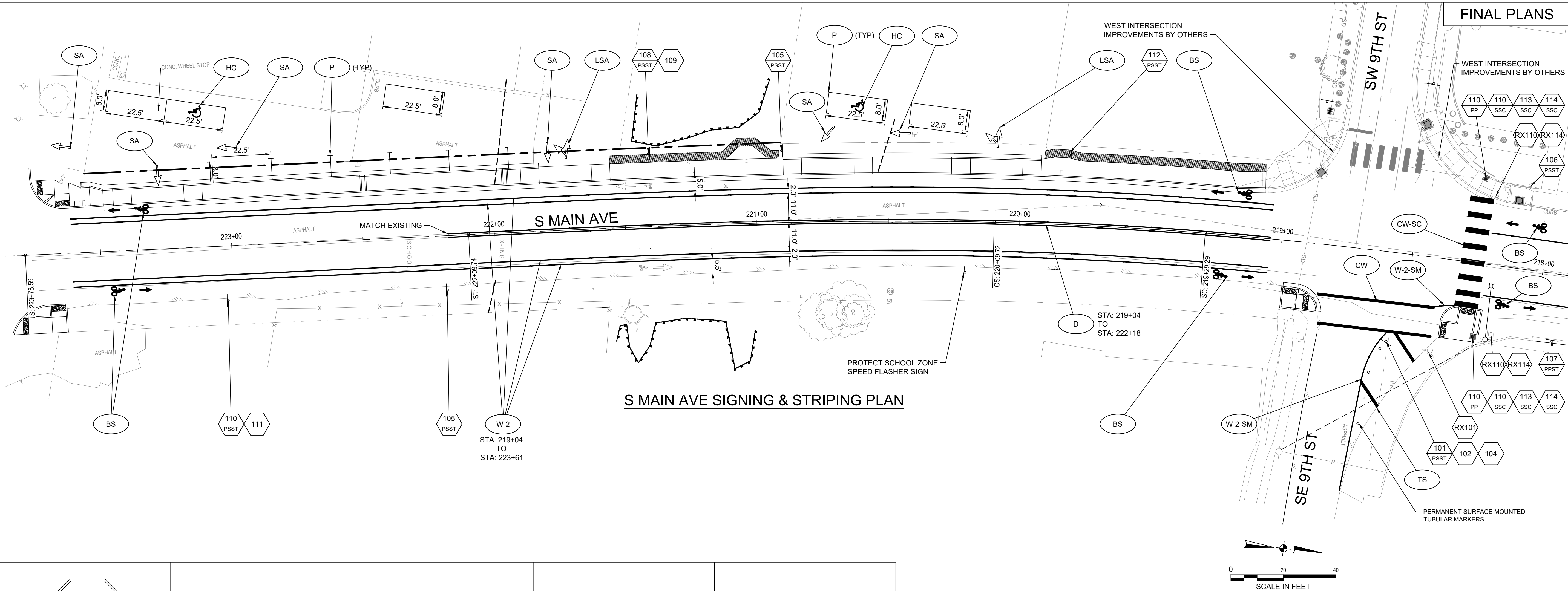
TITLE		
#	DATE	DESCRIPTION
REVISIONS		
NAVD 88		
DATUM		
ZMG	ZMG	
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FINAL PLANS		
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C-07

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S MAIN AVE SIGNING & STRIPING PLAN

<p>R1-1 TYPE "R" 30" X 30" 1 REQUIRED</p>	<p>D3-1 1 REUSED</p>	<p>103 NOT USED</p>	<p>D3-1 1 REUSED</p>	<p>R7-1 18" X 12" 2 REQUIRED</p>
<p>R7-1 L 18" X 12" 1 REQUIRED</p>	<p>R7-1 R 18" X 12" 1 REQUIRED</p>	<p>EM-1A 24" X 24" 1 REQUIRED</p>	<p>M6-3 21" X 15" 1 REQUIRED</p>	<p>S1-1 36" X 36" 1 REQUIRED 4 ON RRFB</p>
<p>W16-09P 24" X 12" 1 REQUIRED</p>	<p>S5-2 24" X 30" 1 REQUIRED</p>	<p>W16-7P (R) 12" X 24" 2 ON RRFB</p>	<p>W16-7P (L) 12" X 24" 2 ON RRFB</p>	

STRIPING LEGEND (SEE SHEET SS-04 FOR DETAILS)

W-2-SM	INST. 8" WHITE LINE, SURFACE INST. MARKING
CW	INST. TWO 1' WHITE LINE CROSSWALK
CW-SC	INST. 2' WHITE LINE, STAGGERED CONTINENTAL CROSSWALK
BS	INST. BIKE LANE MARKING (WHITE)
W-2	INST. 8" WHITE LINE
D	INST. DOUBLE NO-PASS TWO 4" YELLOW LINES
LSA	INST. LEFT TURN/STRAIGHT ARROW (WHITE)
SA	INST. STRAIGHT ARROW (WHITE)
TM	INST. 4" TRANSVERSE MARKINGS 2' O.C (WHITE)
HC	INST. DISABLED PARKING DETAIL (WHITE)
TS	TRANSVERSE SHOULDER BARS (1' WHITE BARS AT 20' SPACING)
P	INST. ON-STREET PARKING DETAIL (4" WHITE LINES). SURFACE INST. MARKING

GENERAL NOTES:

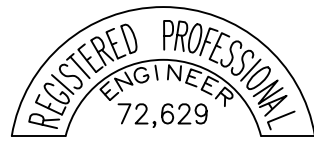
- ALL ROADWAY PAVEMENT MARKINGS SHALL BE THERMOPLASTIC MATERIAL.
- ALL PARKING LOT PAVEMENT MARKINGS SHALL BE PAINT.
- THE LOCATIONS OF SIGN INSTALLATIONS SHOWN ARE APPROX. WITH EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.
- STREET NAME SIGNS TO BE MOUNTED ABOVE STOP SIGN.
- SIGN SHEETING TYPE AND SUBSTRATE ARE TO BE STANDARD SHEETING AND ALUMINUM SUBSTRATE.
- BACKGROUND AND COLOR SHALL BE ASTM TYPE III OR IV EXCEPT SIGNS 110, 111, 113 AND 114 WHICH SHALL BE YG COLOR WITH ASTM TYPE IX OR XI BACKGROUND.
- POST LENGTH SHALL BE MINIMUM 13' AND SHALL BE 2 1/2" X 2 1/2", 10 GAUGE PERFORATED STEEL SQUARE TUBE. HEIGHT SHALL BE FIELD VERIFIED.
- REMOVAL OF STOP SIGN DURING CONSTRUCTION MUST BE ACCOMPANIED BY A TEMPORARY STOP SIGN ON BARRICADE OR OTHER TEMPORARY SIGN SUPPORT.
- ALL SIGNS MOUNTED ON RRFB POST ARE INCIDENTAL TO RRFB FLASHING BEACON ITEM AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.

SIGNING LEGEND

	INSTALL NEW SIGN (N) ON NEW (M) SIGN SUPPORT N = SIGN NUMBER M = MATERIAL OPTIONS: PSST = PERFORATED STEEL SQUARE TUBE PP = PEDESTRIAN PEDESTAL (RRFB POST), SEE SHEET SS-02 FOR FLASHING BEACON PLAN SSC = STAINLESS STEEL CLAMP
	REINSTALL EXISTING SIGN (N) ATTACH ACCORDING TO ODOT STANDARD DRAWING TM - 676.
	REMOVE EXISTING SIGN (N) AND SUPPORT.



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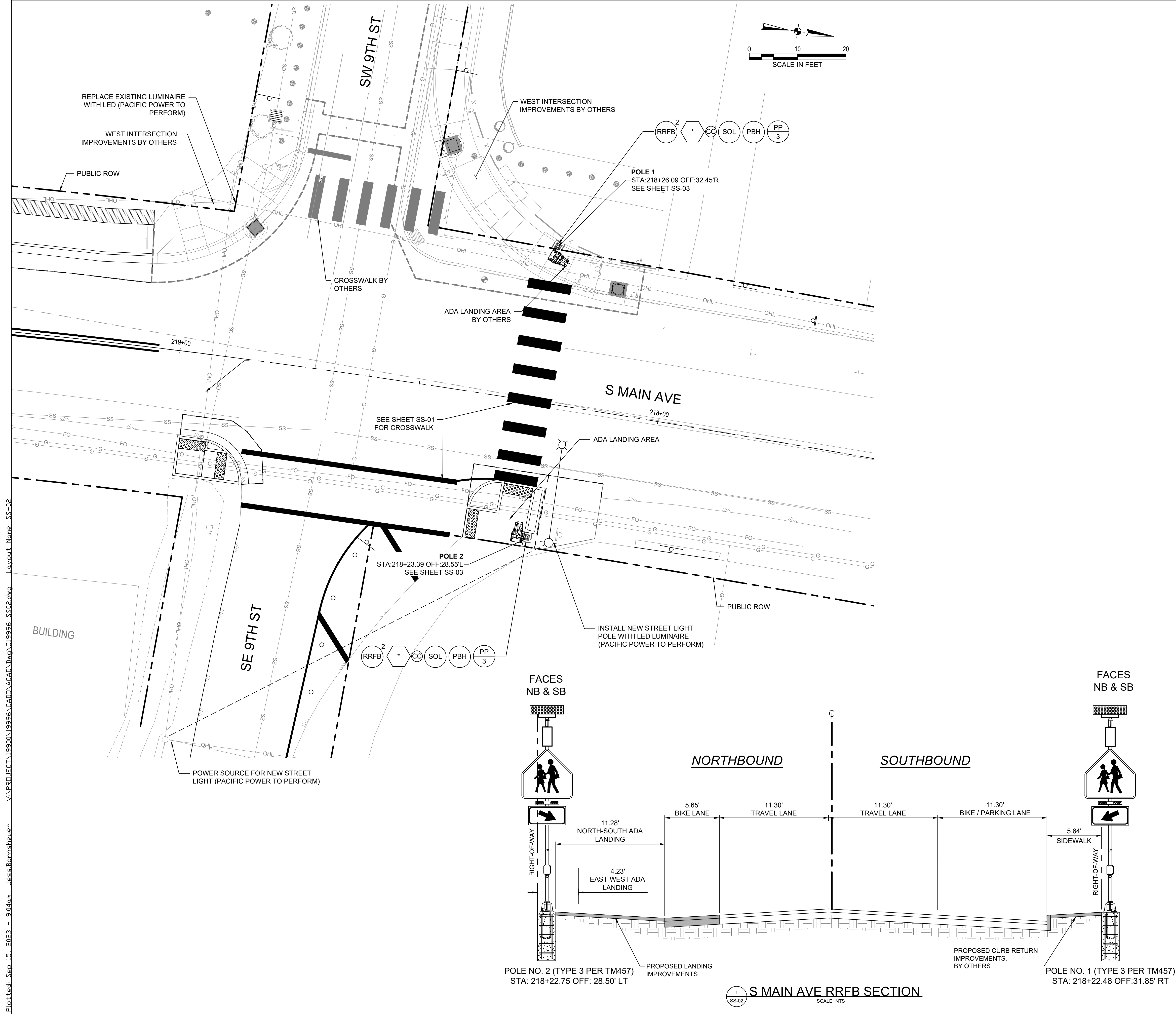
EXPIRES: 12/31/2023

WARRENTON MAIN AVE AT 9TH ST SRTS

WARRENTON, OREGON

SIGNING & STRIPING PLAN

TITLE		
#	DATE	DESCRIPTION
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DATUM		
ZMG		ZMG
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PROJECT NUMBER		
SS-01		
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NOTES

- THE LOCATIONS OF SIGN INSTALLATIONS SHOWN ARE APPROX. WITH EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.
- INSTALL THE RRFB SYSTEM ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
- CONFIRM POLE AND CABINET INSTALLATION LOCATIONS WITH ENGINEER.
- INSTALL CONTROLLER CABINET ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
- REFER TO SHEET SS-03 FOR FLASHING BEACON DETAILS.
- CONTACT REGION 2 SIGNAL OPERATIONS ENGINEER AT LEAST TWO WEEKS PRIOR TO ACTIVATING THE RRFB.

LEGEND

POLES

- PP
N
LP
- INSTALL PEDESTRIAN PEDESTAL WITH FRANGIBLE BASE ON (N=NUMBER) FOUNDATION, SEE TM457 FOR DETAILS.
- LUMINAIRE POLE.

CABINETS

- CC
- INSTALL CONTROLLER SYSTEM AS PER MANUFACTURER REQUIREMENTS.

SIGNALS

- RRFB
N
- INSTALL (N=NUMBER) RRFB RAPID FLASHING BAR.

SIGNS

- *
- SEE SIGNING PLANS FOR DETAILS ON SIGNS.

MISCELLANEOUS NOTES

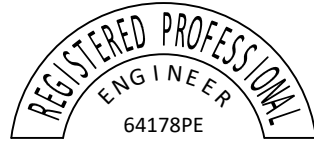
- SOL
- INSTALL SOLAR ENERGY SOURCE.
- PBH
- INSTALL PUSHBUTTON WITH MOUNT ("PUSHBUTTON TO TURN ON WARNING LIGHTS" R10-25).

POLE ENTRANCE CHART

SEE TM457		EQUIPMENT ON POLE		
POLE NO.	TYPE	FLASHING BEACON DEG.	PED. PUSHBUTTON DEG.	SIGN DEG.
1	PP/3	0 & 180	0	0 & 180
2	PP/3	0 & 180	180	0 & 180



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WARRENTON MAIN AVE AT 9TH ST SRTS

WARRENTON, OREGON

FLASHING BEACON PLAN

TITLE

DATE DESCRIPTION

REVISIONS

NAVD 88
DATUM

ZMG
DRAWN BY CHECKED BY

FINAL PLANS
STATUS

SEPTEMBER 2023
DATE

19996
PROJECT NUMBER

SS-02

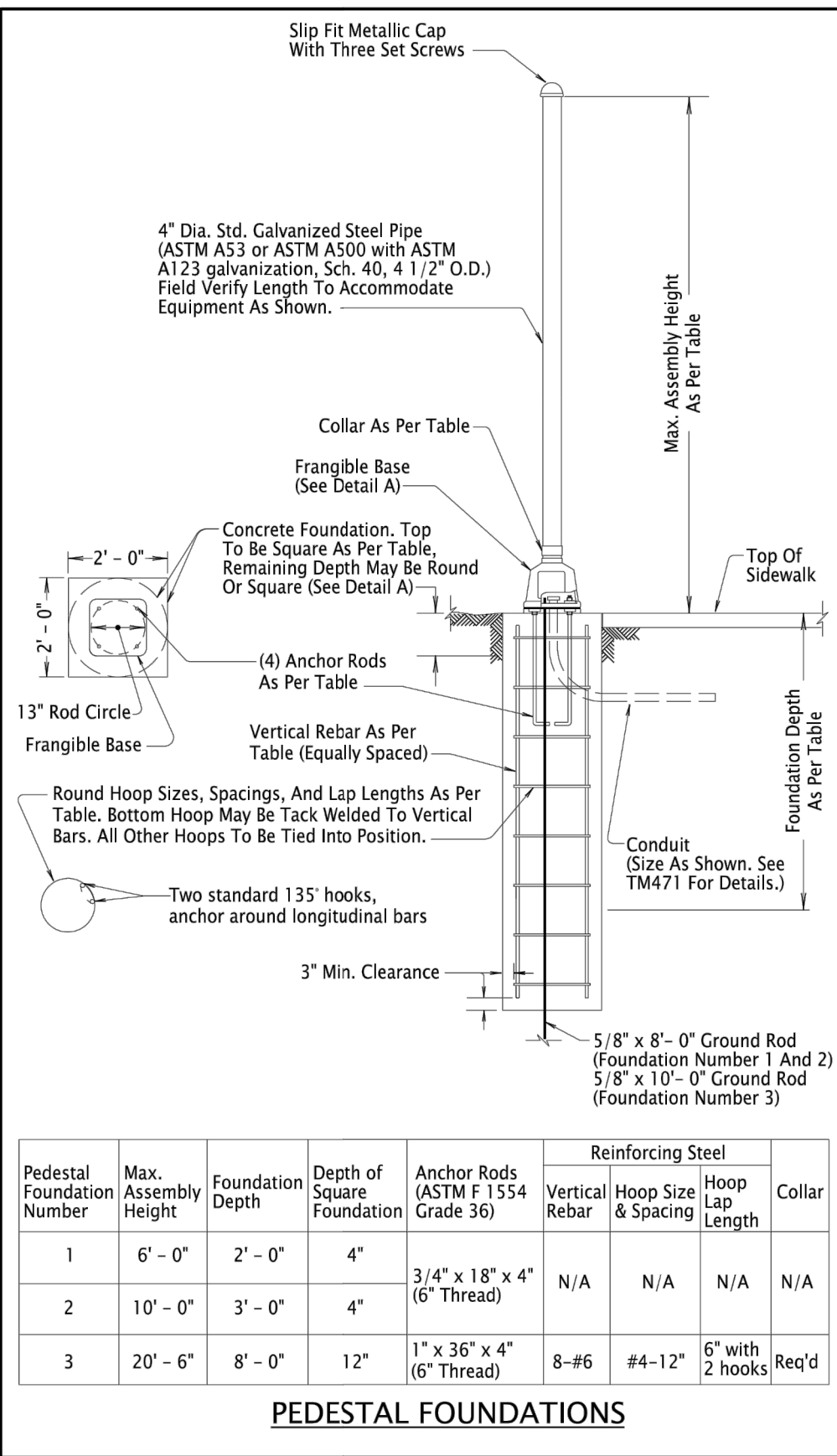
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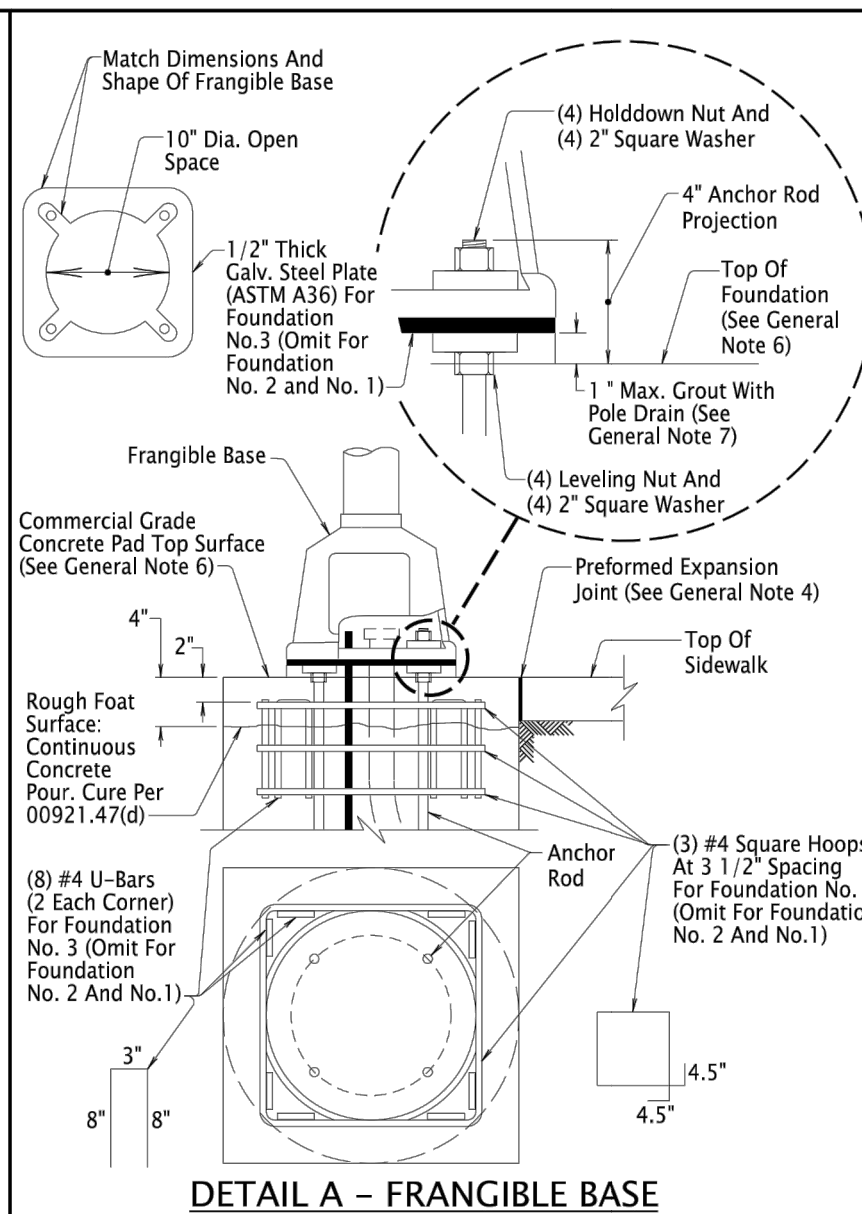
Plotted: Sep. 15, 2023 - 9:04am Jess.Roccosbeuer VANPROJECT\19900\19996\CADD\DWG\CI9996_SS03.dwg Layout Name: SS-03

TM457.dgn 08-JUL-2022

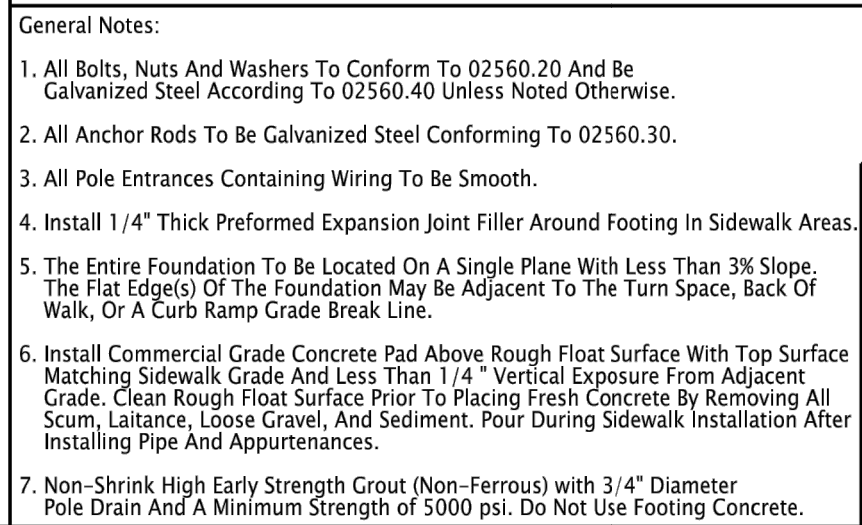
TM457.dgn 08-JUL-2022



PEDESTAL FOUNDATIONS



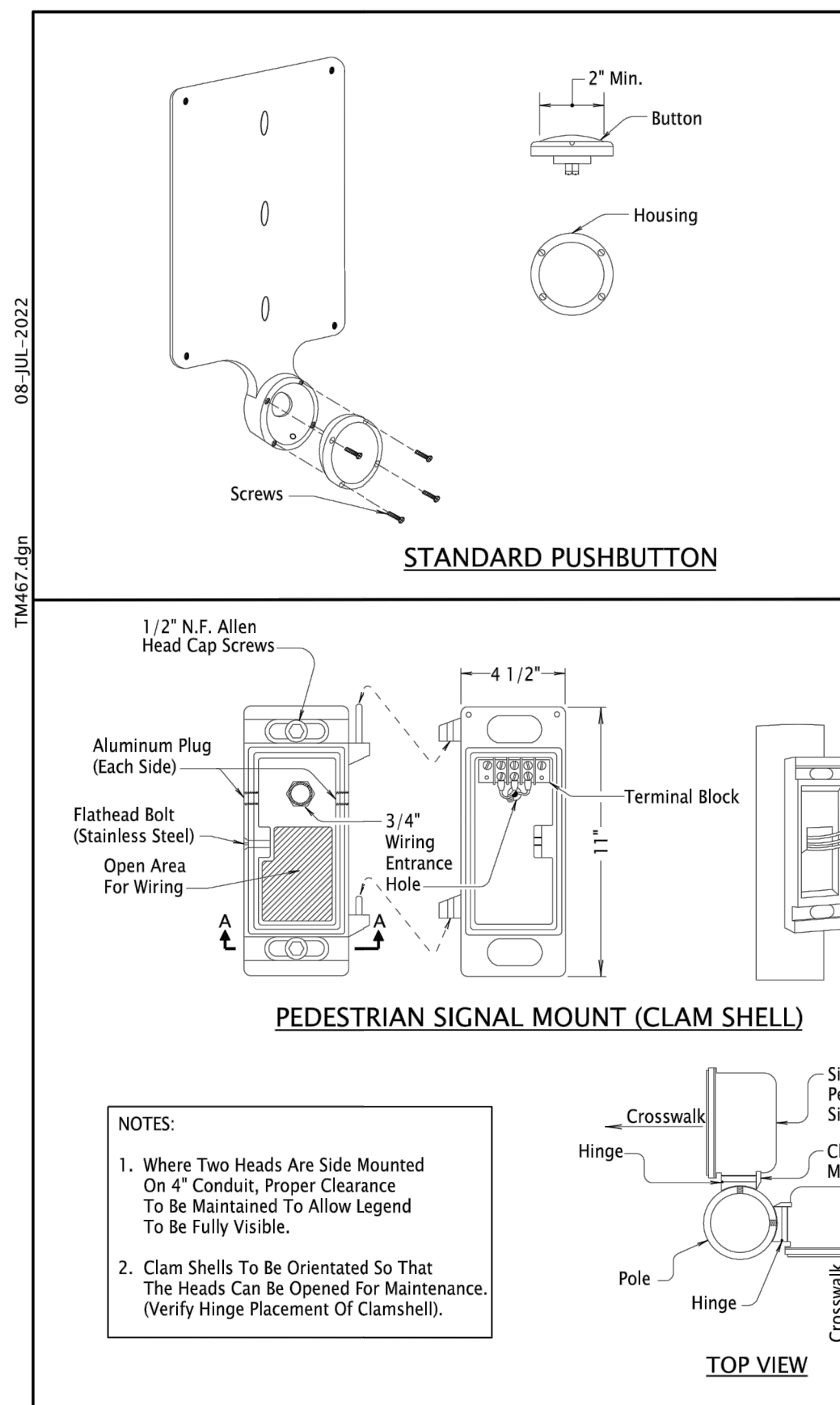
DETAIL A - FRANGIBLE BASE



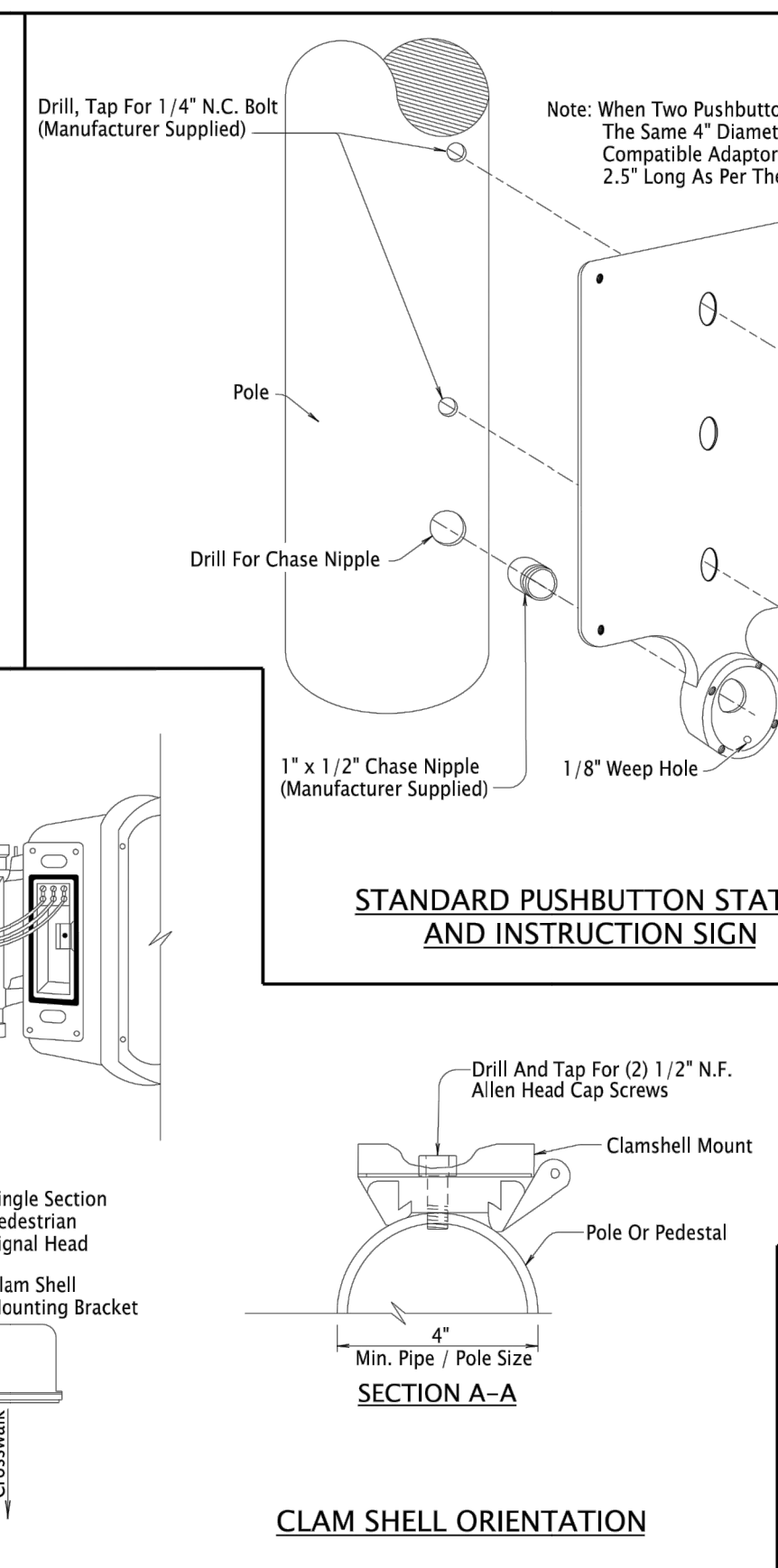
TRAFFIC SIGNAL PEDESTAL ASSEMBLY

All materials shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
PEDESTAL FOUNDATION AND TRAFFIC SIGNAL ASSEMBLY	
2021	
DATE	REVISION DESCRIPTION
07-2022	UPDATED ALL ANCHOR ROD DETAILS, CORRECTED STD. DIM. REFERENCE
08-2022	COMPLETE REVISION OF FOUNDATION AND INSTALLATION PROCEDURE
CALC. BOOK NO. N/A	SUB. DATE 08-JUL-2022
TM457	

Effective Date: June 1, 2023 - November 30, 2023



PEDESTRIAN SIGNAL MOUNT (CLAM SHELL)

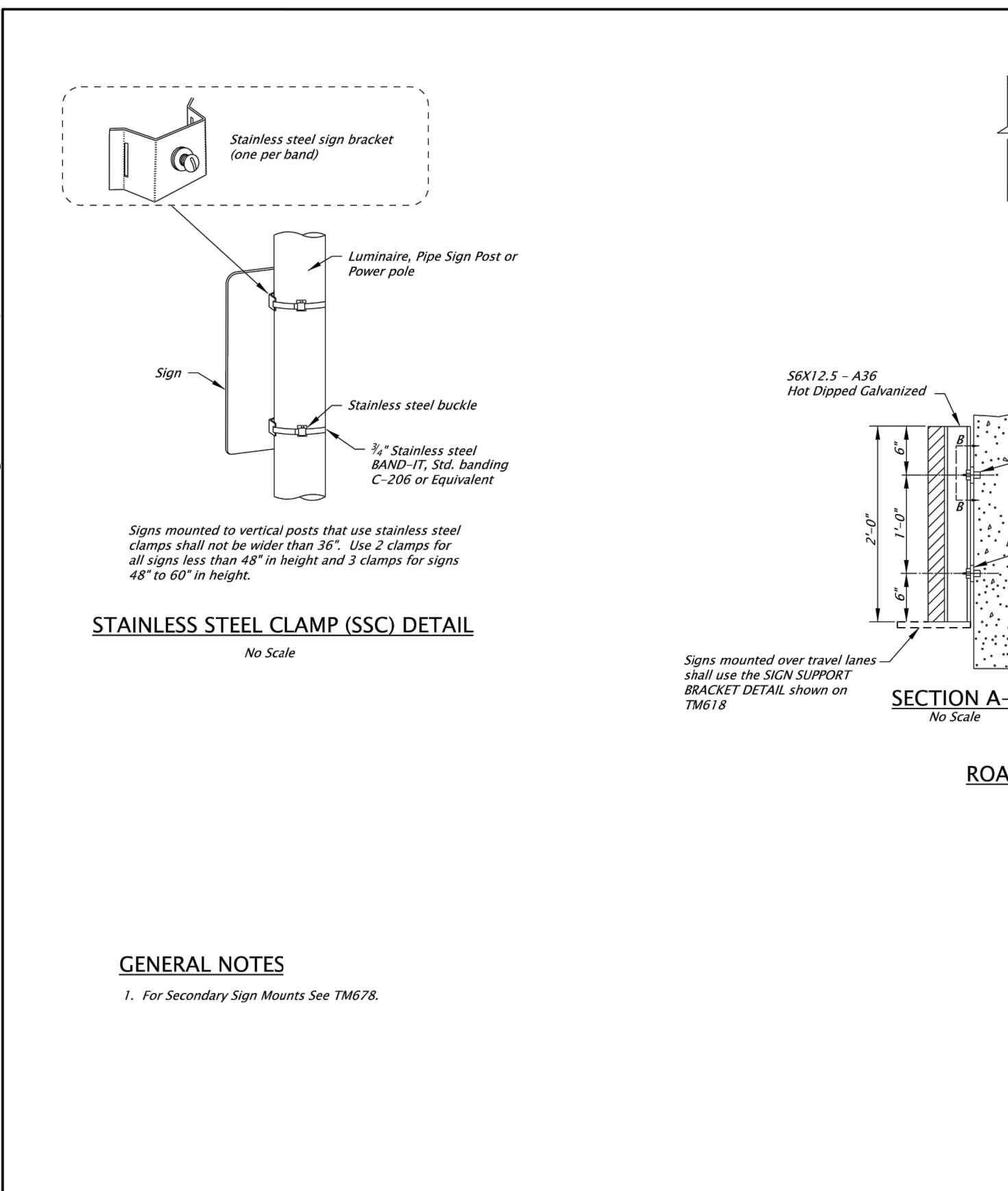


STANDARD PUSHBUTTON STATION AND INSTRUCTION SIGN

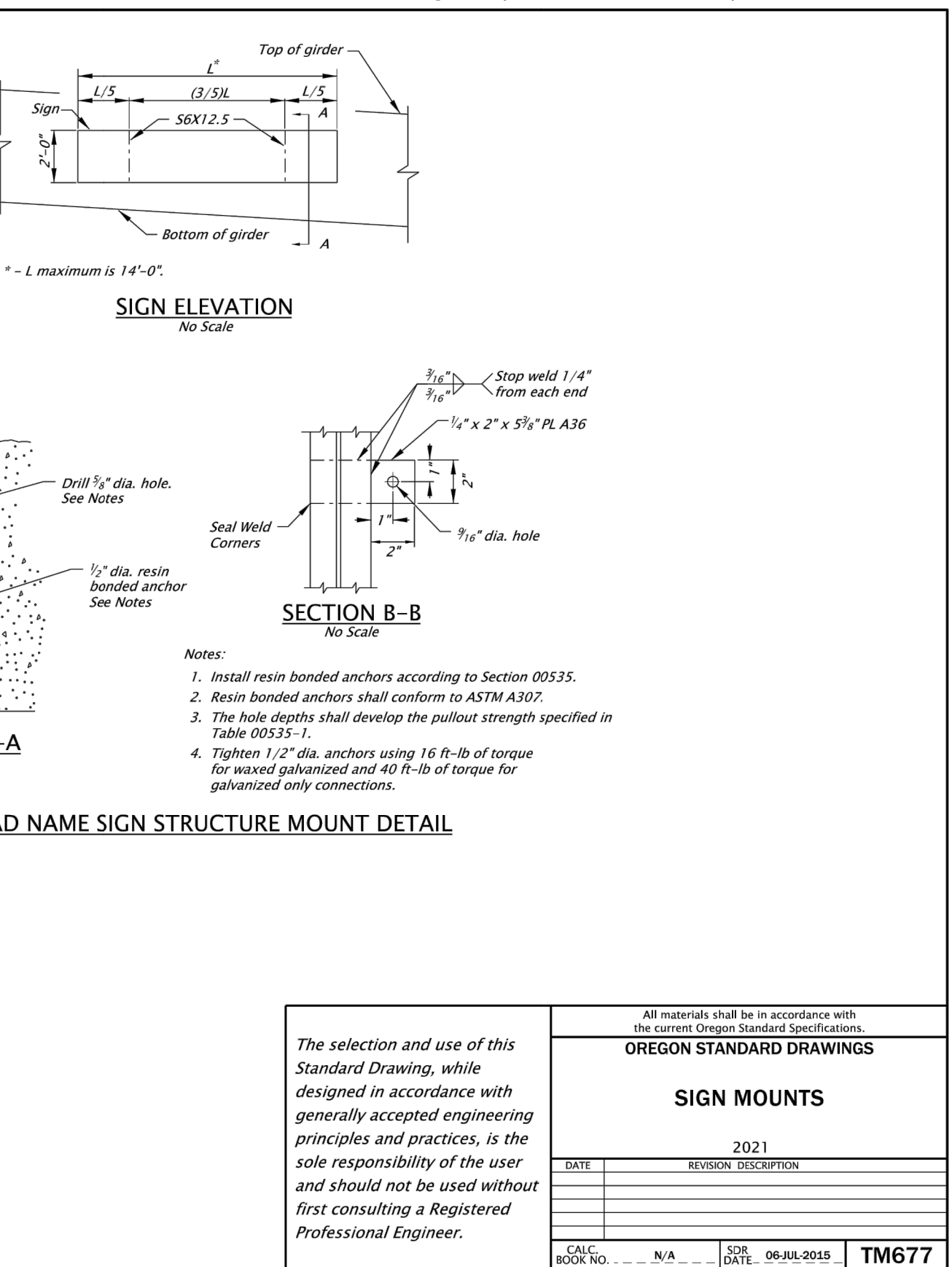
All materials shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
PEDESTRIAN SIGNAL MOUNT AND PEDESTRIAN PUSHBUTTON DETAILS	
2021	
DATE	REVISION DESCRIPTION
07-2022	ADDED R10-25 SIGN, ADDED EXTERIOR MOUNTING NOTE FOR 2 POSITIONED ON SAME POLE
CALC. BOOK NO. N/A	SUB. DATE 08-JUL-2022
TM467	

Effective Date: June 1, 2023 - November 30, 2023

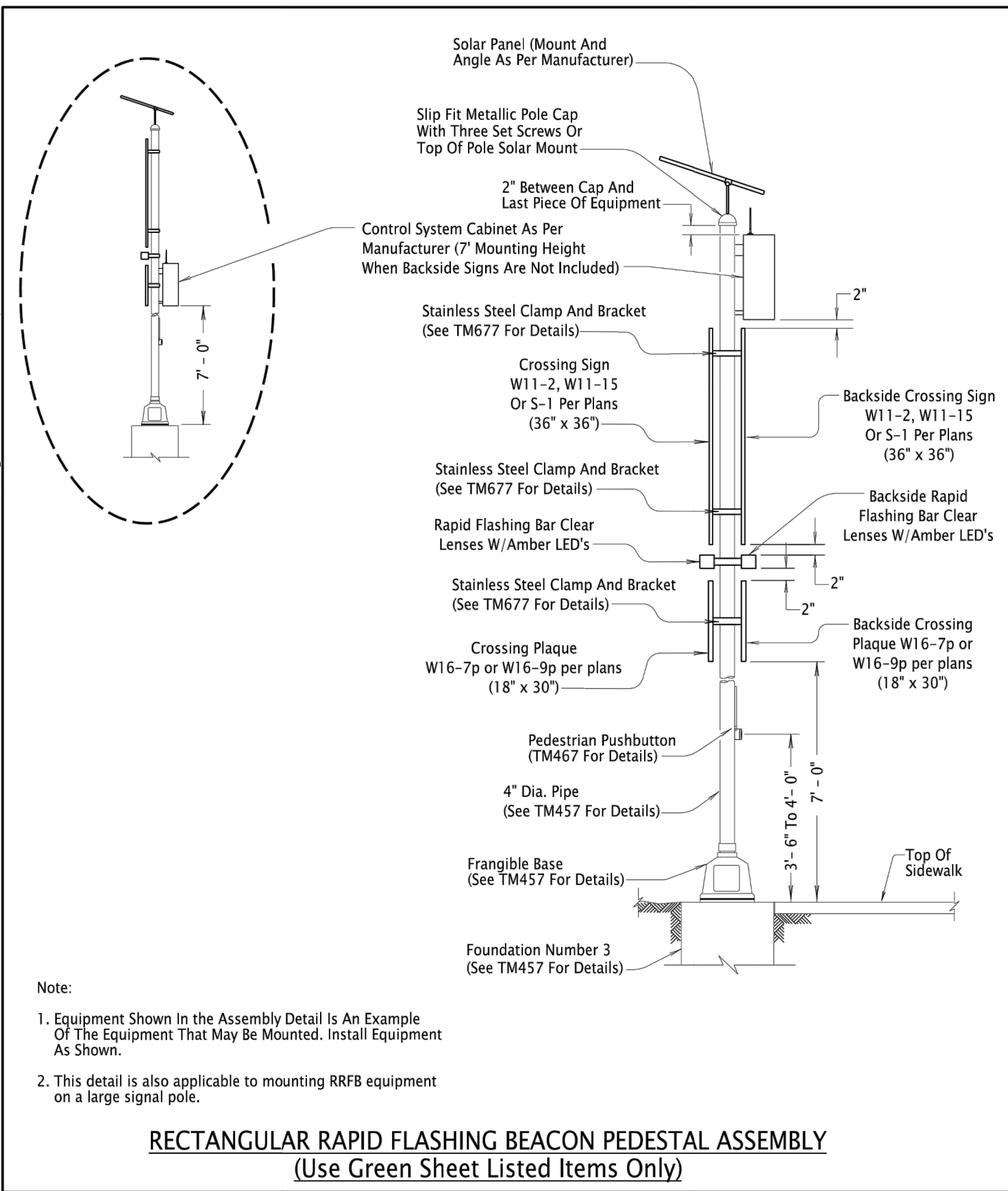
TM677.dgn 10-JUL-2020



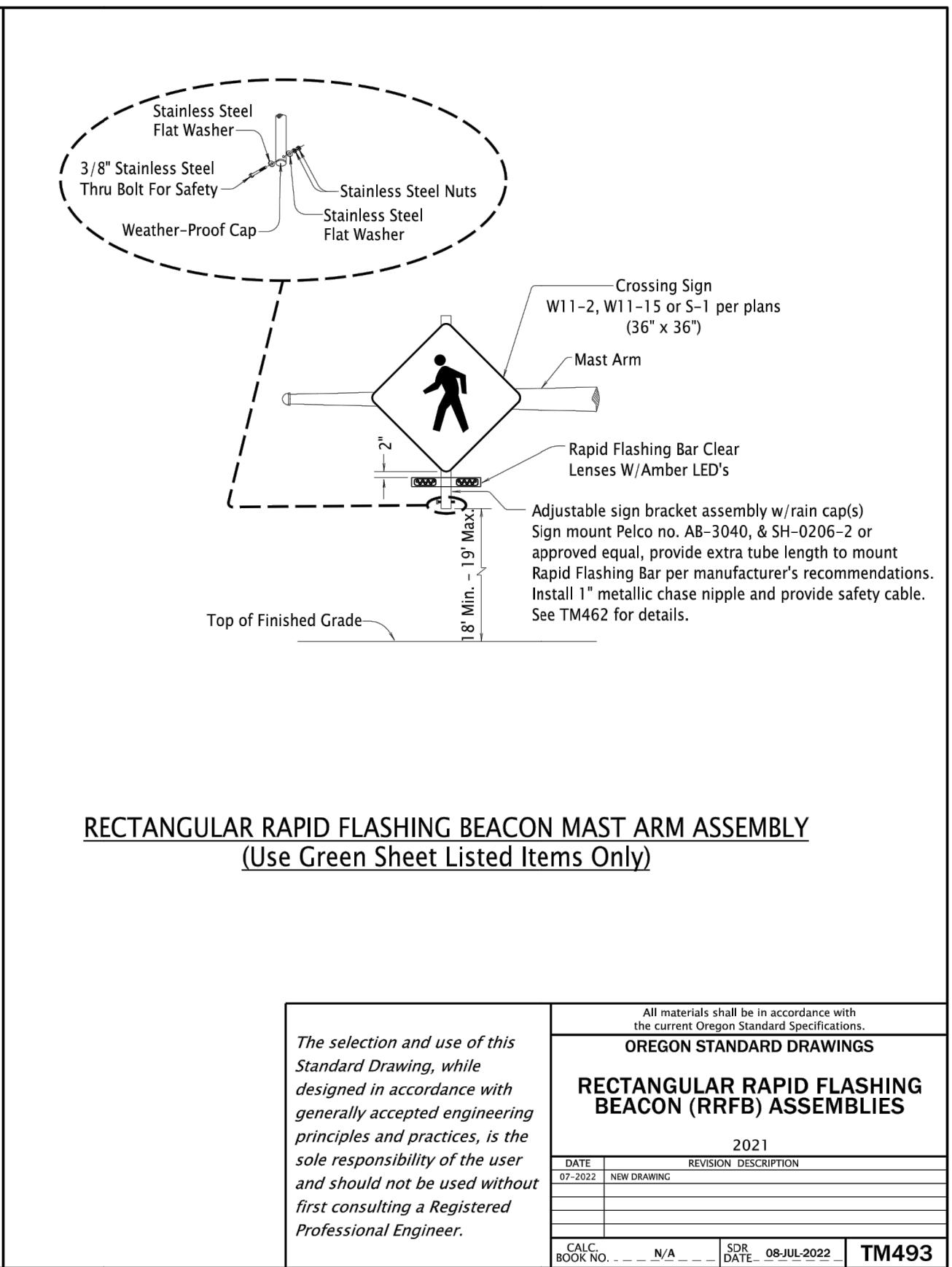
ROAD NAME SIGN STRUCTURE MOUNT DETAIL



Effective Date: June 1, 2023 - November 30, 2023



RECTANGULAR RAPID FLASHING BEACON PEDESTAL ASSEMBLY (Use Green Sheet Listed Items Only)



RECTANGULAR RAPID FLASHING BEACON MAST ARM ASSEMBLY (Use Green Sheet Listed Items Only)

All materials shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
RECTANGULAR RAPID FLASHING BEACON (RRFB) ASSEMBLIES	
2021	
DATE	REVISION DESCRIPTION
07-2022	NEW DRAWING
CALC. BOOK NO. N/A	SUB. DATE 08-JUL-2022
TM493	

Effective Date: June 1, 2023 - November 30, 2023



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Portland, OR 97204
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WARRENTON MAIN AVE AT 9TH ST SRTS

WARRENTON, OREGON

FLASHING BEACON DETAILS

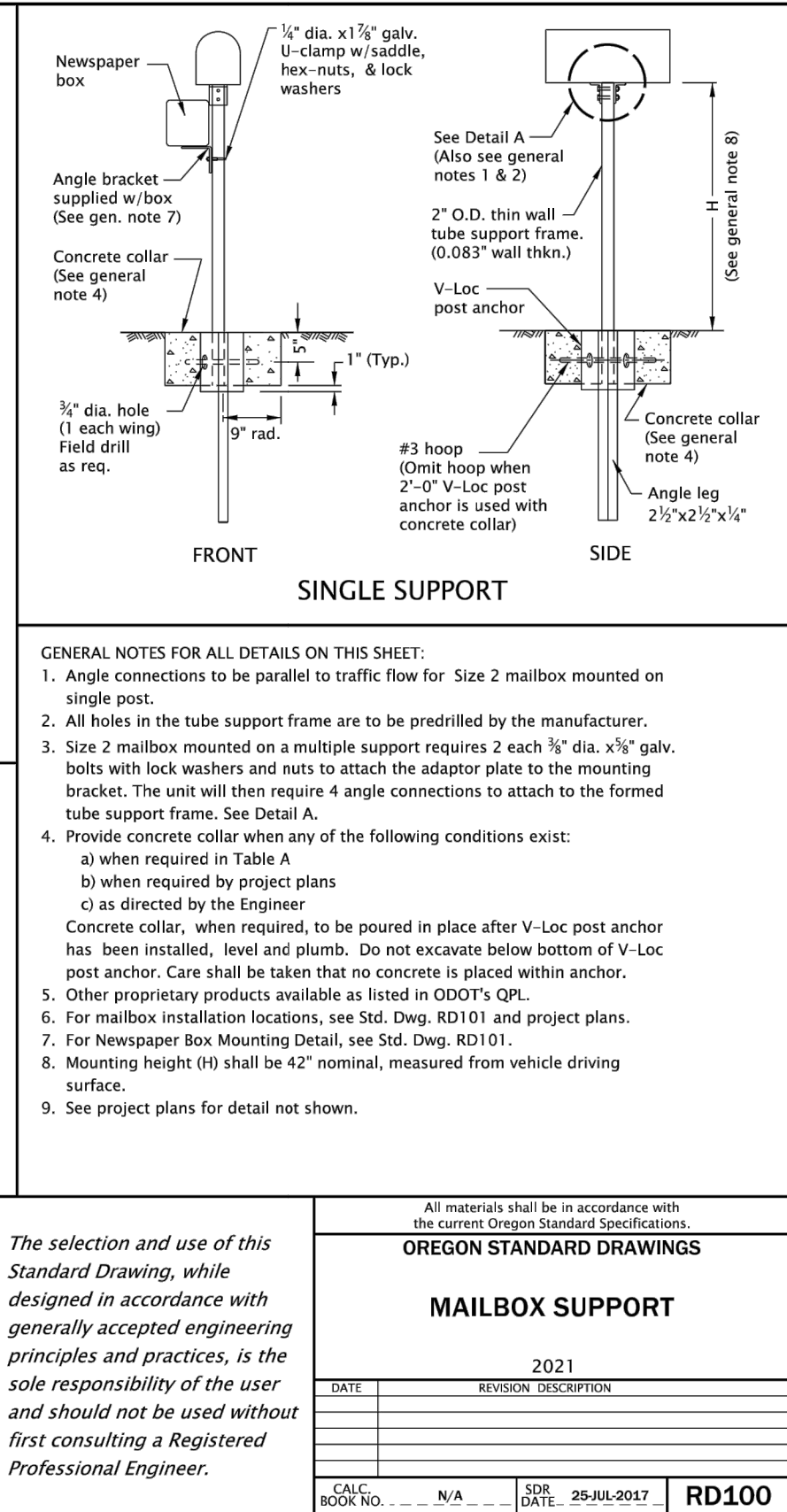
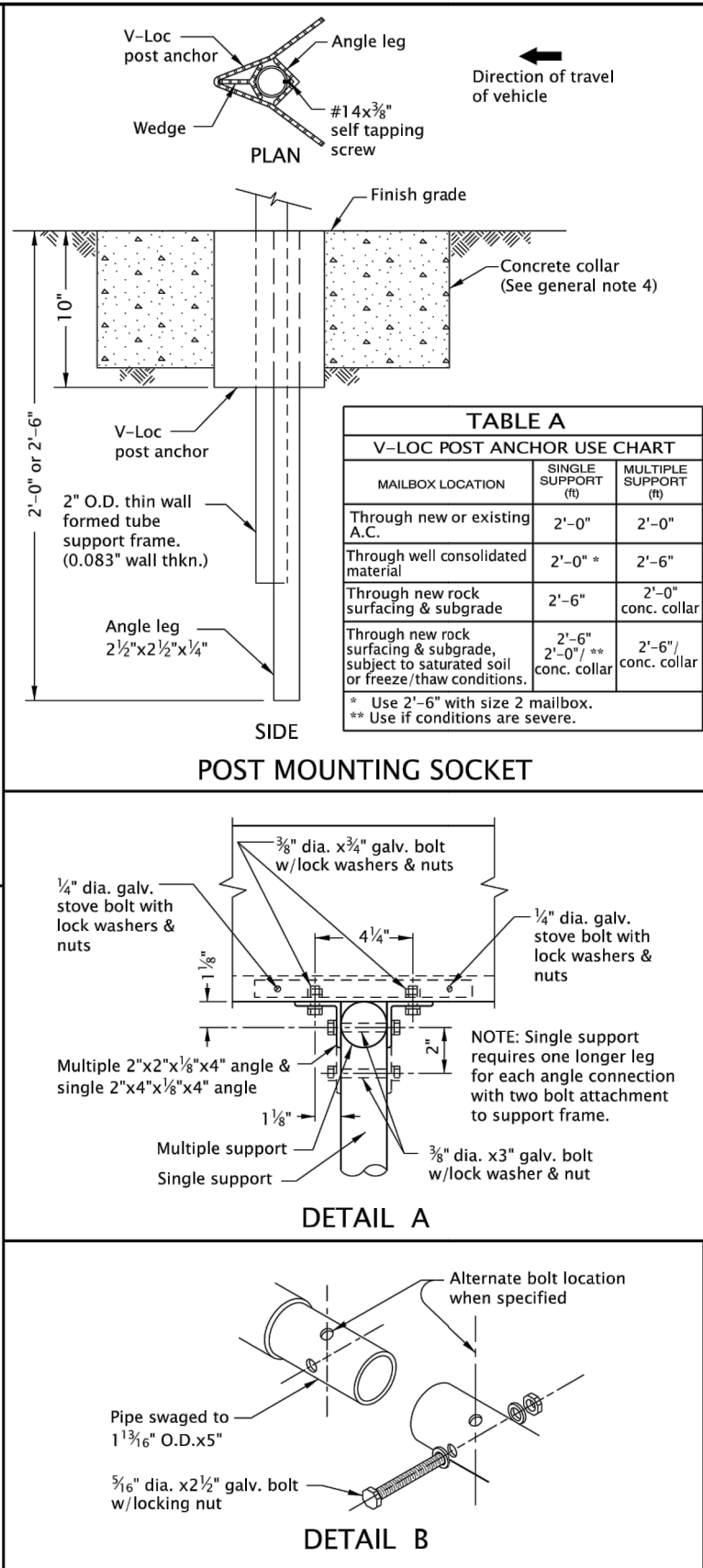
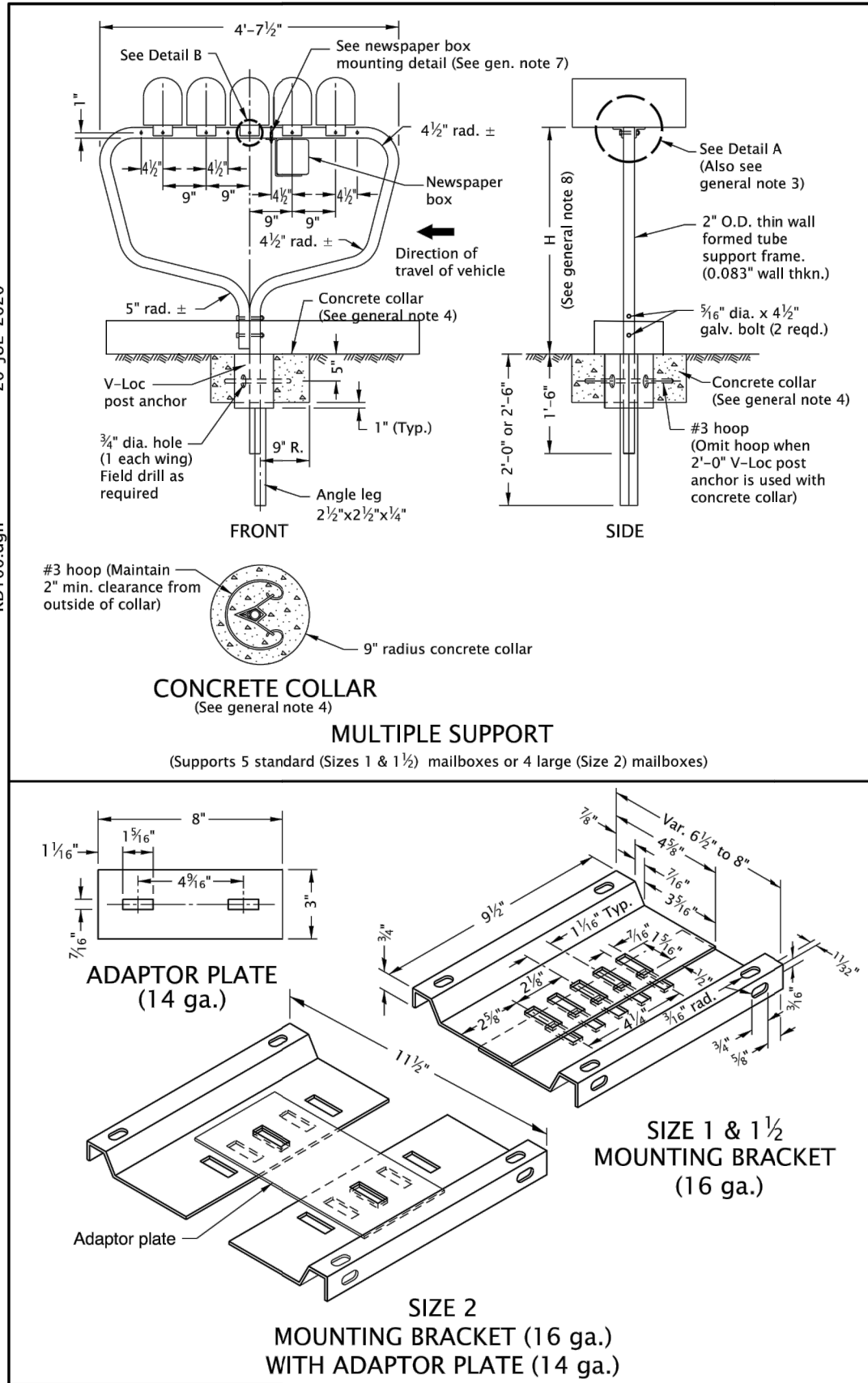
TITLE	
#	DESCRIPTION
REVISIONS	
NAVD 88	DATUM
ZMG	ZMG
DRAWN BY	CHECKED BY
FINAL PLANS STATUS	
SEPTEMBER 2023 DATE	
19996 PROJECT NUMBER	
SS-03	
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TRAFFIC SECTION APPROVAL

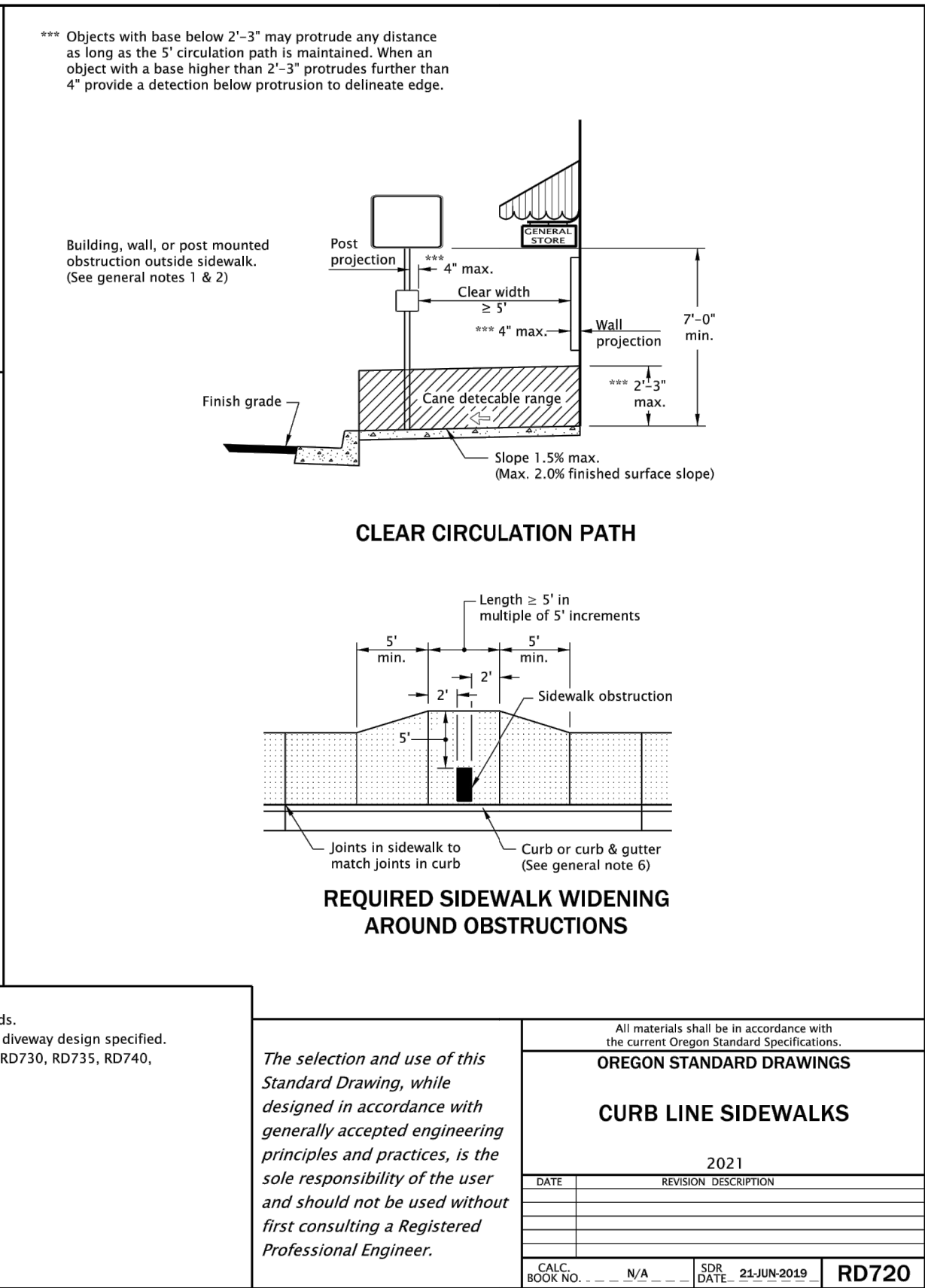
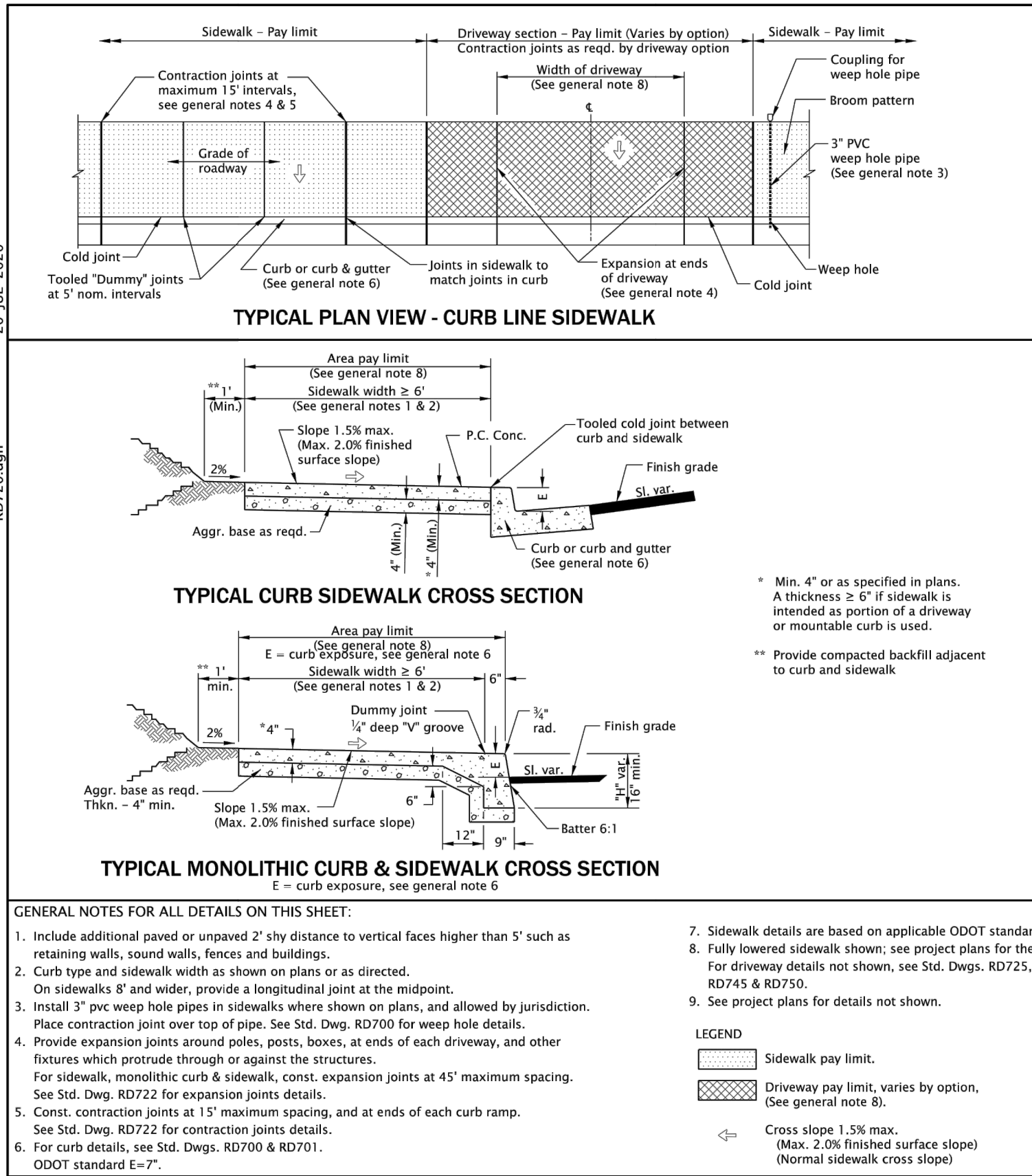
HWY 104
M.P.: 3.90

UNIT FILE CODE
23154

Plotted: Sep. 15, 2023 - 9:05am Jess.Roccosbeuer V:\PROJECTS\19900\19996\CADD\DWG\C19996 STD02.dwg Layout Name: STD-02



Effective Date: June 1, 2023 - November 30, 2023



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Include additional paved or unpaved 2' shy distance to vertical faces higher than 5' such as retaining walls, sound walls, fences and buildings.
- Curb type and sidewalk width as shown on plans or as directed.
- On sidewalks 8' and wider, provide a longitudinal joint at the midpoint.
- Install 3" pvc weep hole pipes in sidewalks where shown on plans, and allowed by jurisdiction. Place contraction joint over top of pipe. See Std. Dwg. RD700 for weep hole details.
- Provide expansion joints around poles, posts, boxes, at ends of each driveway, and other fixtures which protrude through or against the structures.
- For sidewalk, monolithic curb & sidewalk, const. expansion joints at 45' maximum spacing. See Std. Dwg. RD722 for expansion joints details.
- Const. contraction joints at 15' maximum spacing, and at ends of each curb ramp. See Std. Dwg. RD722 for contraction joints details.
- For curb details, see Std. Dwg. RD700 & RD701.
- ODOT standard E=7".

LEGEND:

- Sidewalk pay limit.
- Driveway pay limit, varies by option, (See general note 8).
- Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)

7. Sidewalk details are based on applicable ODOT standards.

8. Fully lowered sidewalk shown; see project plans for the driveway design specified. For driveway details not shown, see Std. Dwg. RD725, RD730, RD735, RD740, RD745 & RD750.

9. See project plans for details not shown.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.

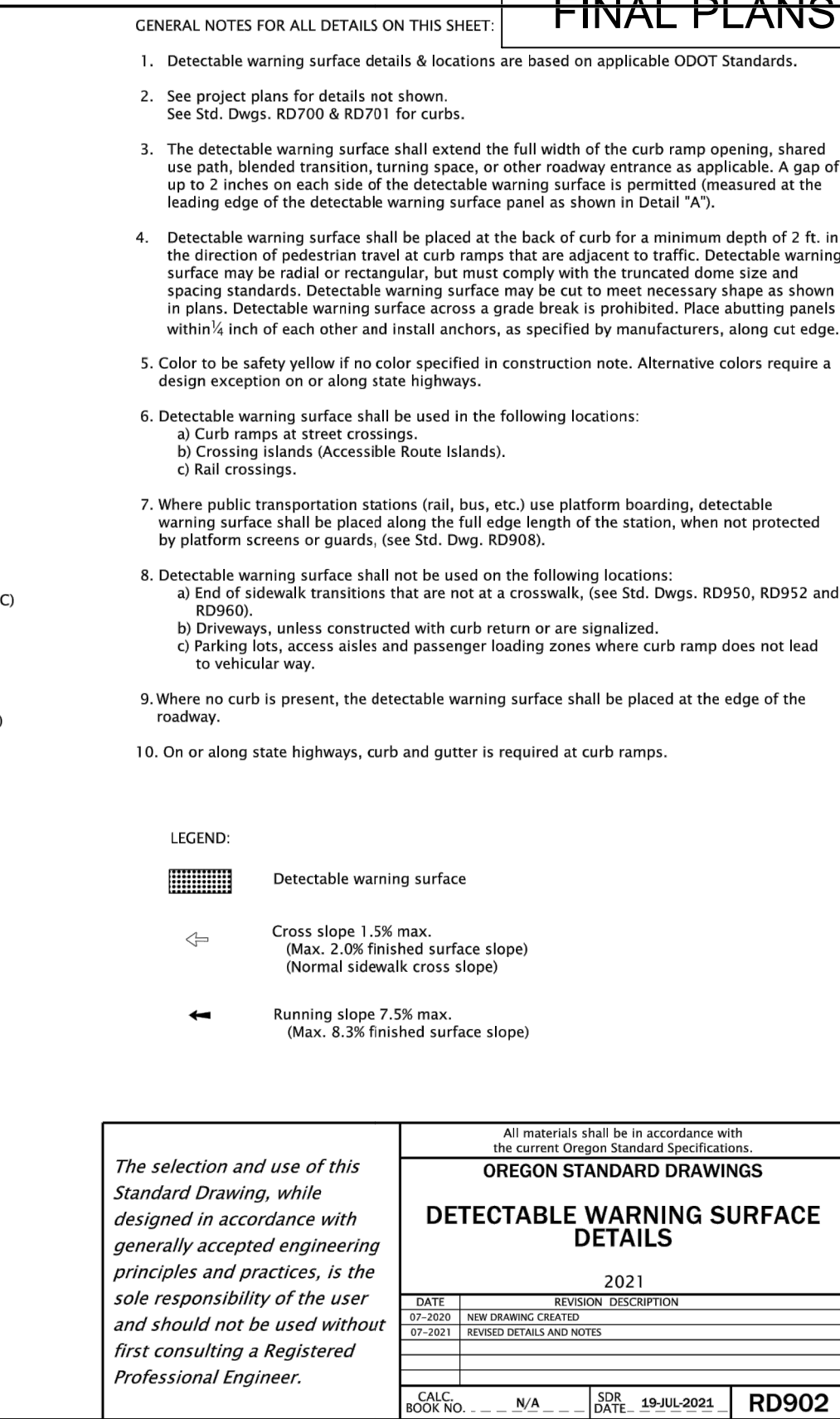
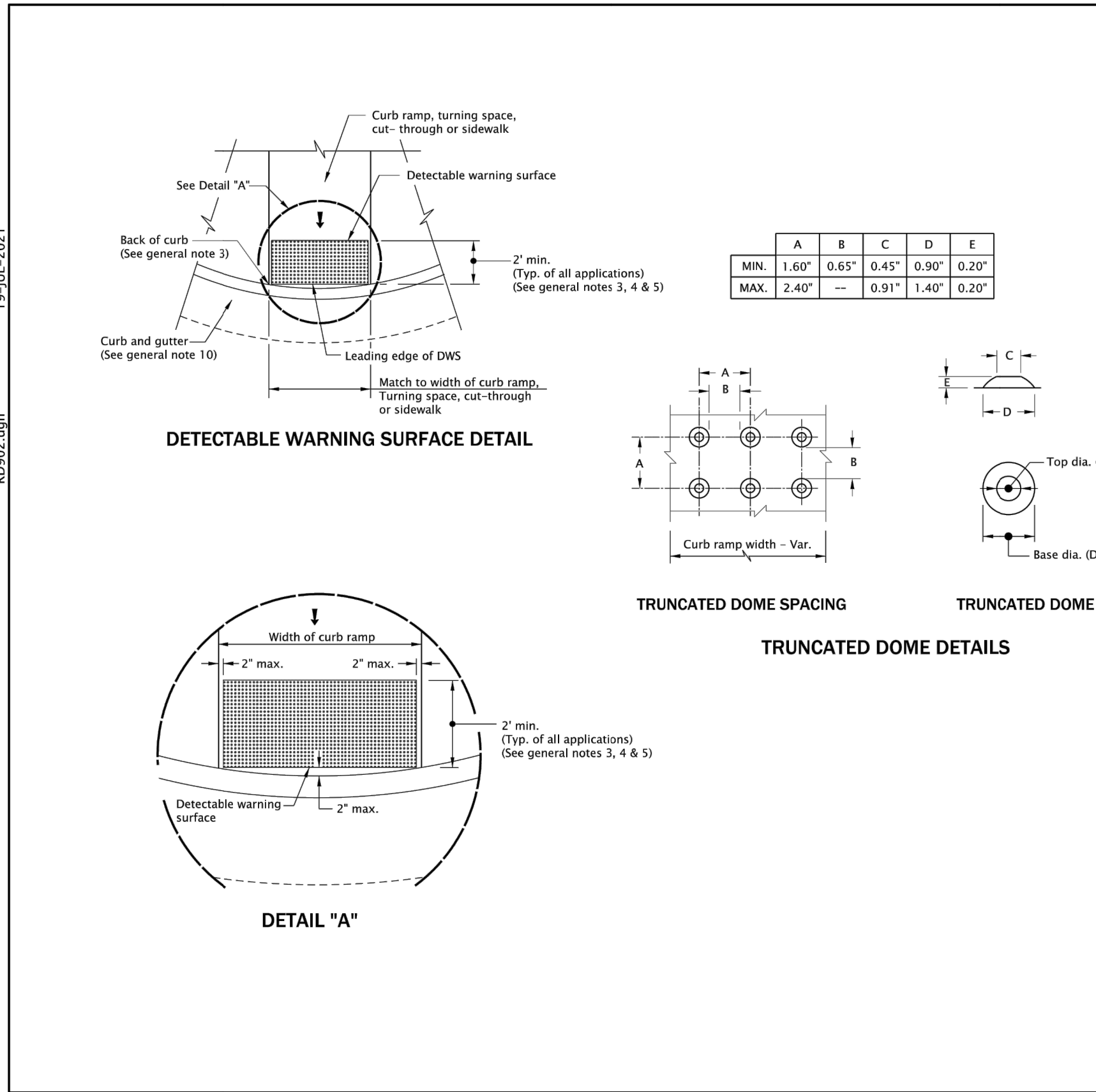
OREGON STANDARD DRAWINGS

CURB LINE SIDEWALKS

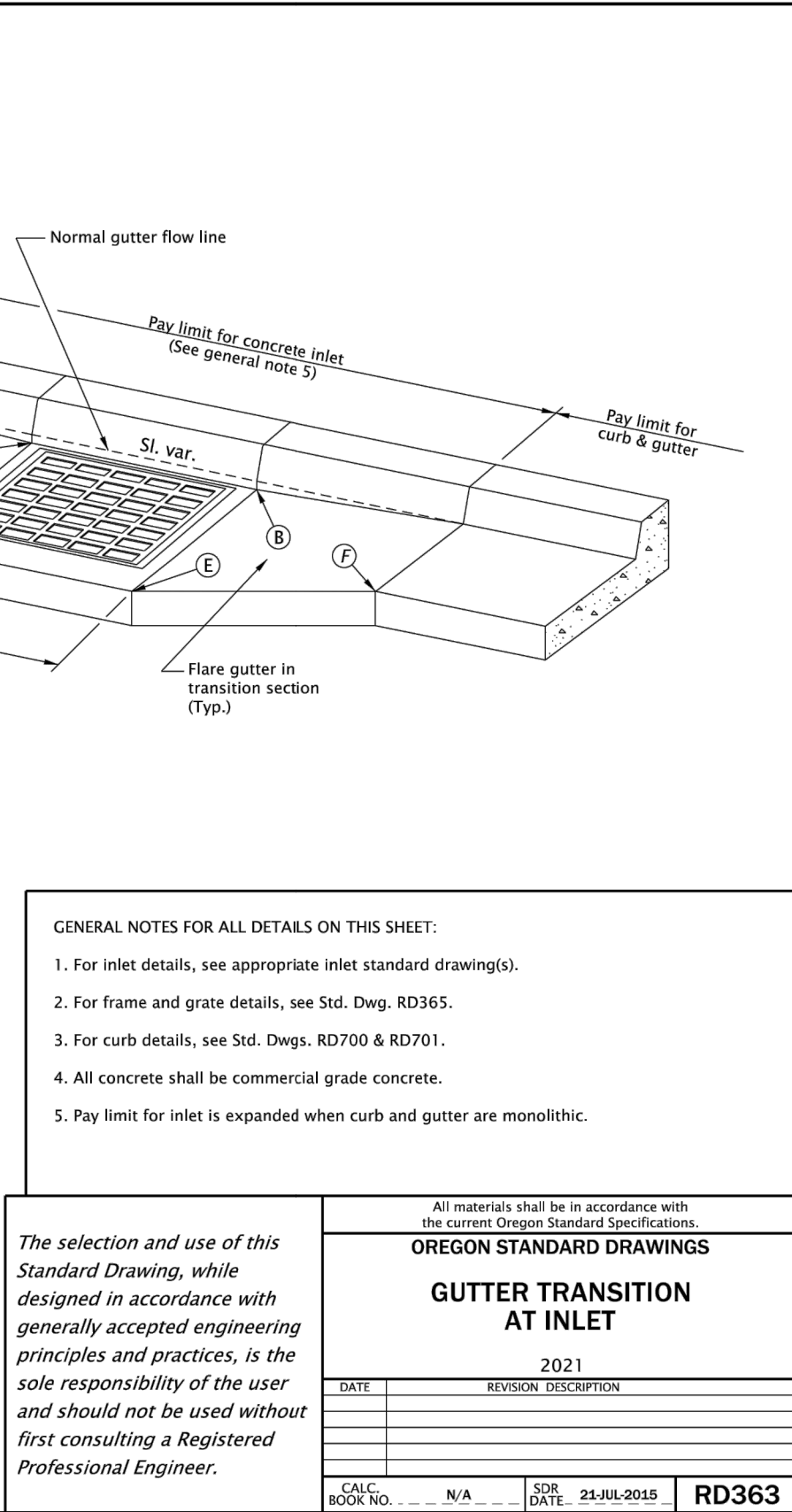
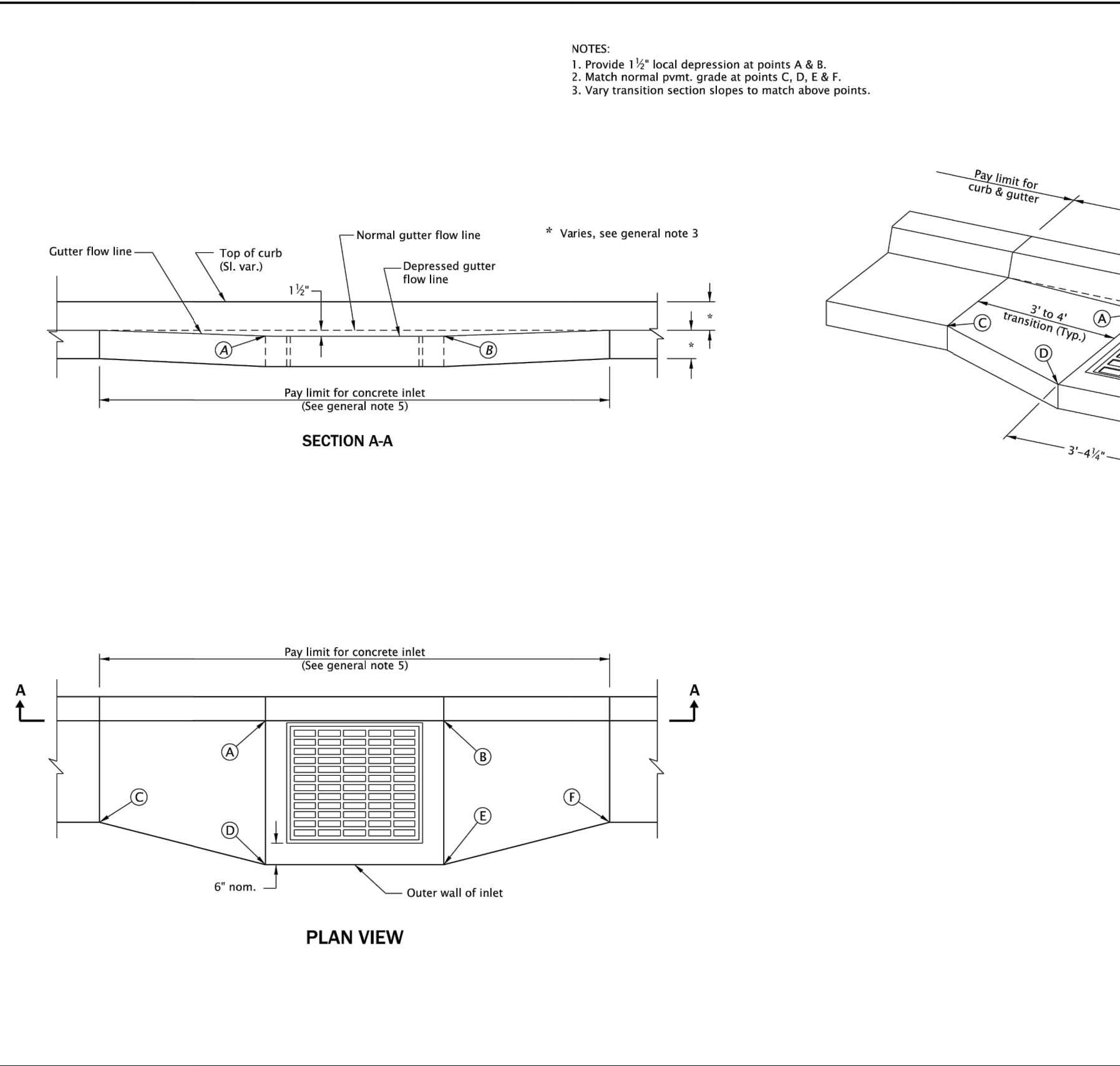
2021

DATE: REVISION DESCRIPTION

CALC. BOOK NO. N/A SDR DATE: 23-JUN-2019 RD720



Effective Date: June 1, 2023 - November 30, 2023



Effective Date: June 1, 2023 - November 30, 2023

WARRENTON MAIN AVE AT 9TH ST SRTS

WARRENTON, OREGON

STANDARD DETAILS II

TITLE		
#	DATE	DESCRIPTION
REVISIONS		
NAVD 88		DATUM
ZMG		ZMG
DRAWN BY		CHECKED BY
FINAL PLANS STATUS		
SEPTEMBER 2023 DATE		
19996 PROJECT NUMBER		

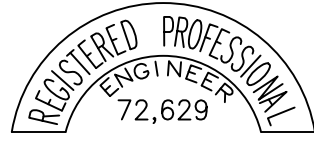
STD-02

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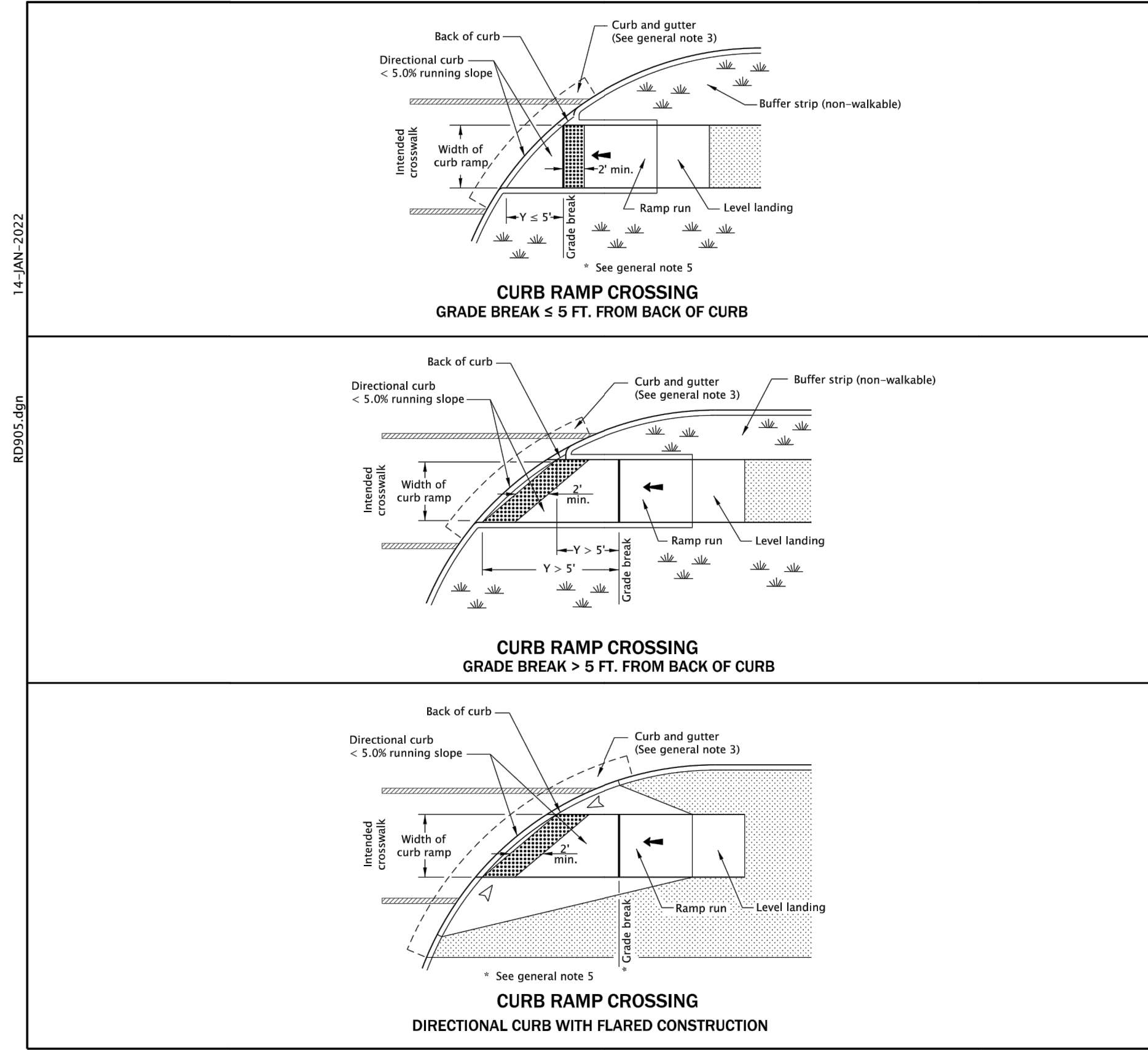


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EXPIRES: 12/31/2023

Plotted: Sep 15, 2023 - 9:05am Jess.Roccosbeuer VANPROJECT\19900\19996\CADD\DWG\C19996 STD02.dwg Layout Name: STD-03

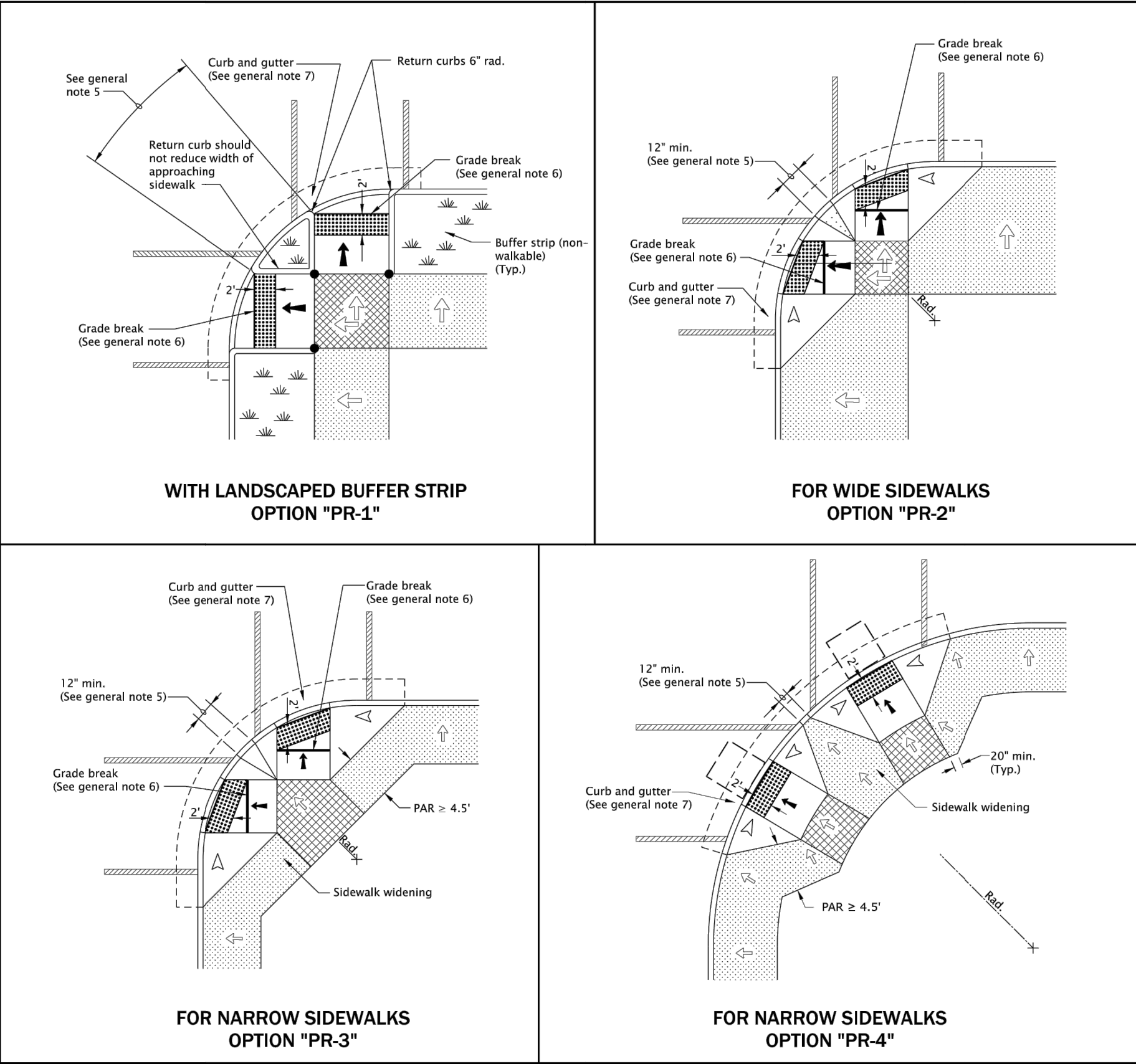


GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:	
1. Detectable warning surface details & locations are based on applicable ODOT Standards.	
2. See project plans for details not shown.	
3. On or along state highways, curb and gutter is required at curb ramps.	
4. Detectable warning surface placement for perpendicular ramps vary as shown.	
5. Detectable warning surface placement across the grade break is prohibited.	
LEGEND:	
	Marked or intended crossing location
	Sidewalk
	Detectable warning surface
	Running slope 7.5% max. (Max. 8.3% finished surface slope)
	Flare slope (Max. 10.0% finished surface slope)
<i>The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.</i>	
All materials shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
DETECTABLE WARNING SURFACE PLACEMENT FOR DIRECTIONAL CURBS	
2021	
DATE	REVISION DESCRIPTION
07-2020	NEW DRAWING CREATED
07-2021	REVISED DETAIL AND NOTES
07-2022	REVISED DETAIL AND NOTES
CALC. BOOK NO. N/A	SR DATE 14-JAN-2022 RD905

Effective Date: June 1, 2023 - November 30, 2023

14-JAN-2022

RD905.dgn

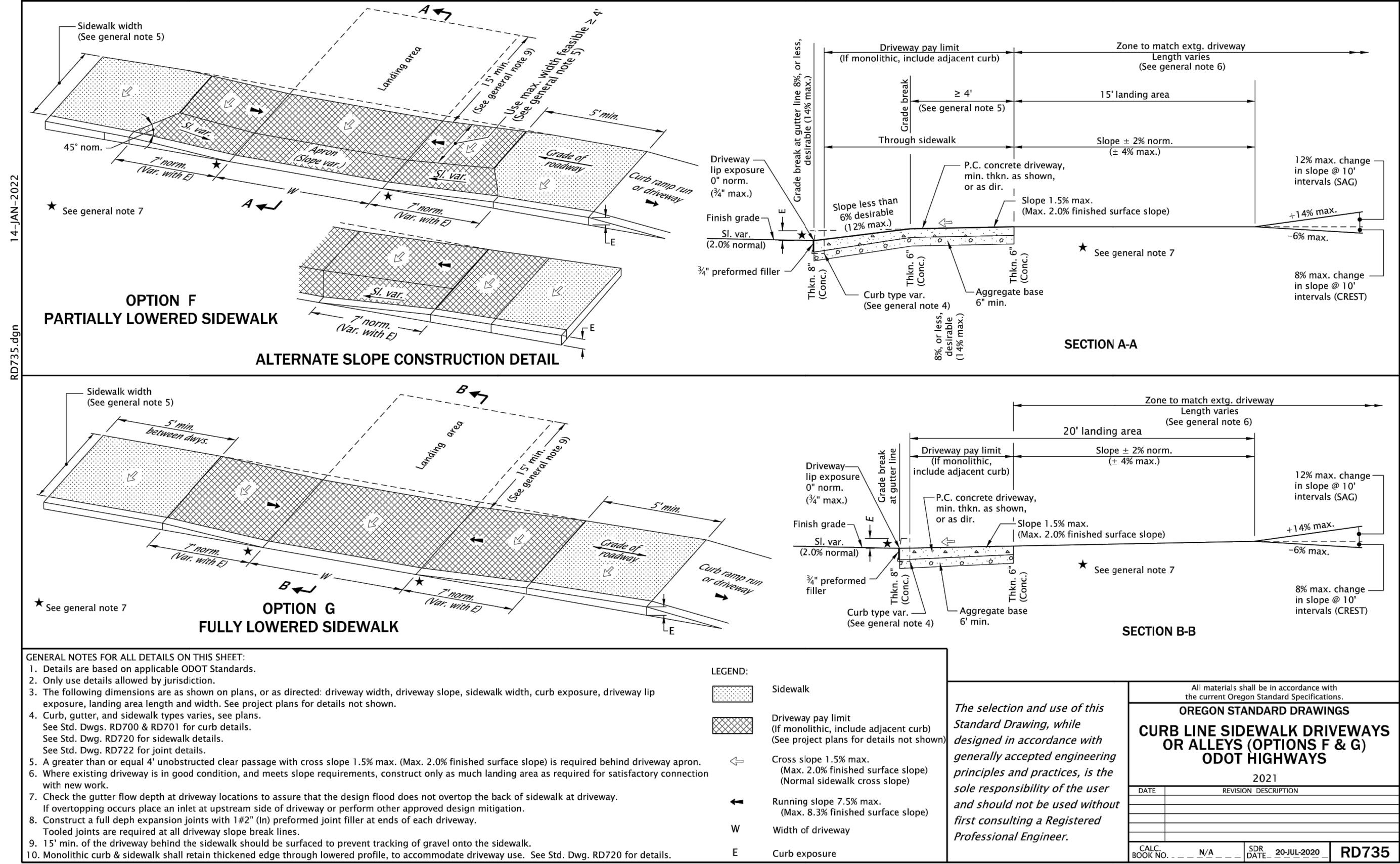


GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:	
1. Curb ramp details are based on applicable ODOT Standards.	
2. See project plans for details not shown.	
3. Tooled dummy joints are required at all curb ramp grade break lines, (see Std. Dwg. RD722).	
4. Curb ramp slopes shown are relative to the true level horizon (zero bubble).	
5. When 2 curb ramps are immediately adjacent, the curb exposure (E) between the adjacent side flares may range between 3' and full design exposure.	
6. Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.	
7. On or along state highways, curb and gutter is required at curb ramps.	
LEGEND:	
	Marked or intended crossing location
	Sidewalk
	Detectable warning surface
	Level area (Turning space/landing) Unobstructed 4.5' x 4.5' With obstruction 4.5' x 5.5' (Longer dimension in direction of pedestrian street crossing). For the purposes of this application, a max. 2.0% finished surface slope (for drainage) measured perpendicular in two directions is considered level.
	Cross slope 1.3% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)
	Running slope 7.5% max. (Max. 8.3% finished surface slope)
	Flare slope (Max. 10% finished surface slope)
	Zero curb exposure
	4' x 4' clear space
	Pedestrian Access Route
<i>The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.</i>	
All materials shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
PERPENDICULAR CURB RAMP	
2021	
DATE	REVISION DESCRIPTION
07-2020	NEW DRAWING CREATED
07-2021	REVISED DETAIL AND NOTES
07-2022	REVISED DETAIL AND NOTES
CALC. BOOK NO. N/A	SR DATE 14-JAN-2022 RD912

Effective Date: June 1, 2023 - November 30, 2023

14-JAN-2022

RD912.dgn

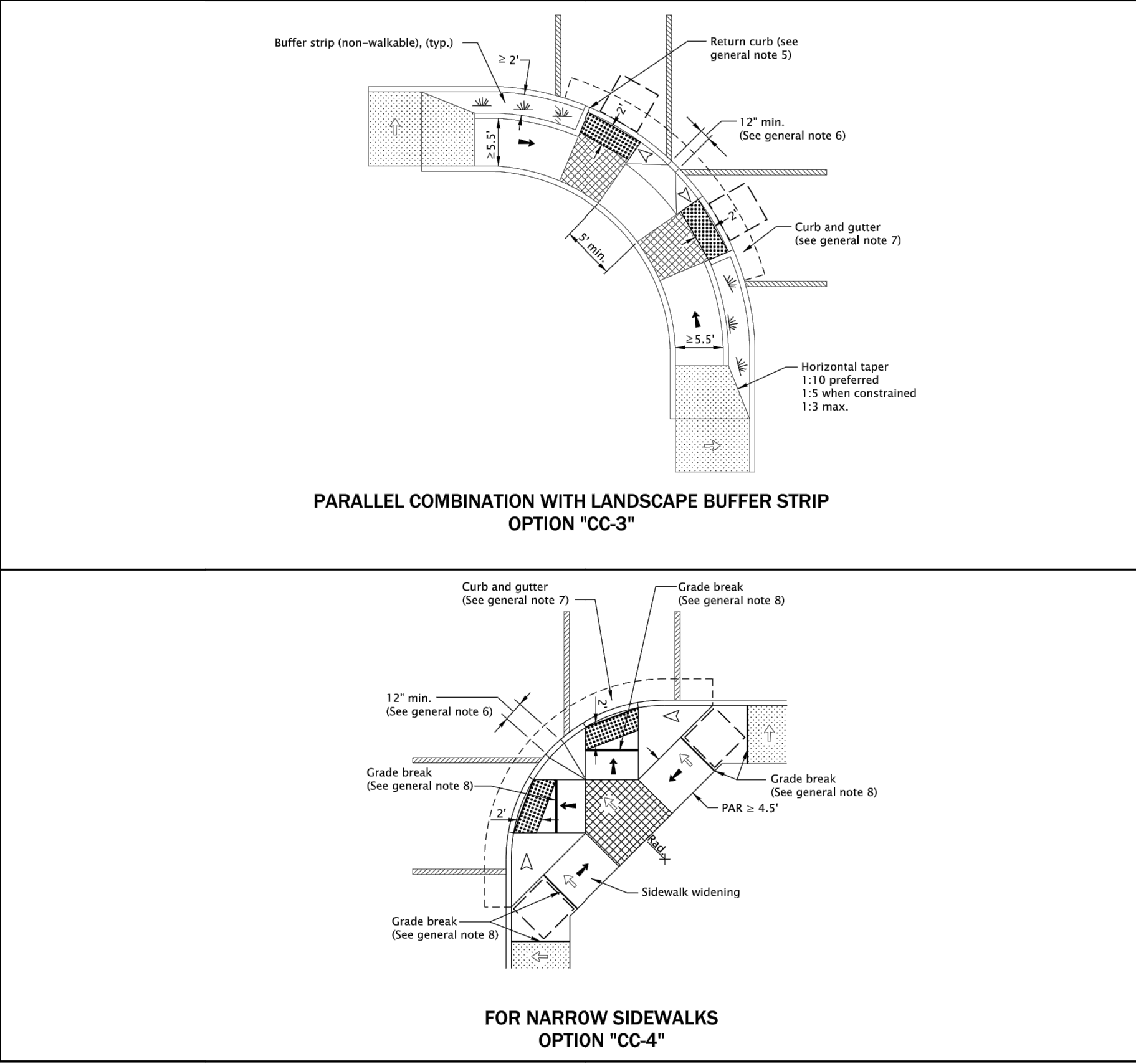


GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:	
1. Details are based on applicable ODOT Standards.	
2. Only use details allowed by jurisdiction.	
3. The following dimensions are as shown on plans, or as directed: driveway width, driveway slope, sidewalk width, curb exposure, driveway lip exposure, landing area length and width. See project plans for details not shown.	
4. Curb, gutter, and sidewalk types varies, see plans.	
5. A greater than or equal 4' unobstructed clear passage with cross slope 1.5% max. (Max. 2.0% finished surface slope) is required behind driveway apron.	
6. Where existing driveway is in good condition, and meets slope requirements, construct only as much landing area as required for satisfactory connection with new work.	
7. Check the gutter flow depth at driveway locations to assure that the design flood does not overtop the back of sidewalk at driveway. If overtopping occurs place an inlet at upstream side of driveway or perform other approved design mitigation.	
8. Construct a full depth expansion joints with 1/2" (in) preformed joint filler at ends of each driveway.	
9. 15' min. of the driveway behind the sidewalk should be surfaced to prevent tracking of gravel onto the sidewalk.	
10. Monolithic curb & sidewalk shall retain thickened edge through lowered profile, to accommodate driveway use. See Std. Dwg. RD720 for details.	
LEGEND:	
	Sidewalk
	Driveway pay limit (If monolithic, include adjacent curb) (See project plans for details not shown)
	Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)
	Running slope 7.5% max. (Max. 8.3% finished surface slope)
	W Width of driveway
	E Curb exposure
<i>The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.</i>	
All materials shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
CURB LINE SIDEWALK DRIVEWAYS OR ALLEYS (OPTIONS F & G) ODOT HIGHWAYS	
2021	
DATE	REVISION DESCRIPTION
07-2020	NEW DRAWING CREATED
07-2021	REVISED DETAIL AND NOTES
07-2022	REVISED DETAIL AND NOTES
CALC. BOOK NO. N/A	SR DATE 20-JUL-2020 RD735

Effective Date: June 1, 2023 - November 30, 2023

14-JAN-2022

RD735.dgn



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:	
1. Curb ramp details are based on applicable ODOT Standards.	
2. See project plans for details not shown.	
3. Tooled dummy joints are required at all curb ramp grade break lines, (see Std. Dwg. RD722).	
4. Curb ramp slopes shown are relative to the true level horizon (zero bubble).	
5. Return curb may be provided in lieu of flared slope only if protected from traverse travel by landscaping, see Std. Dwg. RD721. Return curb shall not reduce width of approaching sidewalk.	
6. When 2 curb ramps are immediately adjacent, the curb exposure (E) between the adjacent side flares may range between 3' and full design exposure.	
7. On or along state highways, curb and gutter is required at curb ramps.	
8. Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.	
LEGEND:	
	Marked or intended crossing location
	Sidewalk
	Detectable warning surface
	Level area (Turning space/landing) Unobstructed 4.5' x 4.5' With obstruction 4.5' x 5.5' (Longer dimension in direction of pedestrian street crossing). For the purposes of this application, a max. 2.0% finished surface slope (for drainage) measured perpendicular in two directions is considered level.
	Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)
	Running slope 7.5% max. (Max. 8.3% finished surface slope)
	Flare slope (Max. 10% finished surface slope)
	E Curb height
	4' x 4' clear space
	PAR
<i>The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.</i>	
All materials shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
COMBINATION CURB RAMP	
2021	
DATE	REVISION DESCRIPTION
07-2020	NEW DRAWING CREATED
07-2021	REVISED DETAIL AND NOTES
07-2022	REVISED DETAIL AND NOTES
CALC. BOOK NO. N/A	SR DATE 14-JAN-2022 RD936

Effective Date: June 1, 2023 - November 30, 2023

14-JAN-2022

RD936.dgn

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REGISTERED PROFESSIONAL ENGINEER
72,629
OREGON
JUNE 11, 2008
KEITH BUISMAN
EXPIRES: 12/31/2023

WARRENTON MAIN AVE AT 9TH ST SRTS

WARRENTON, OREGON

STANDARD DETAILS IIII

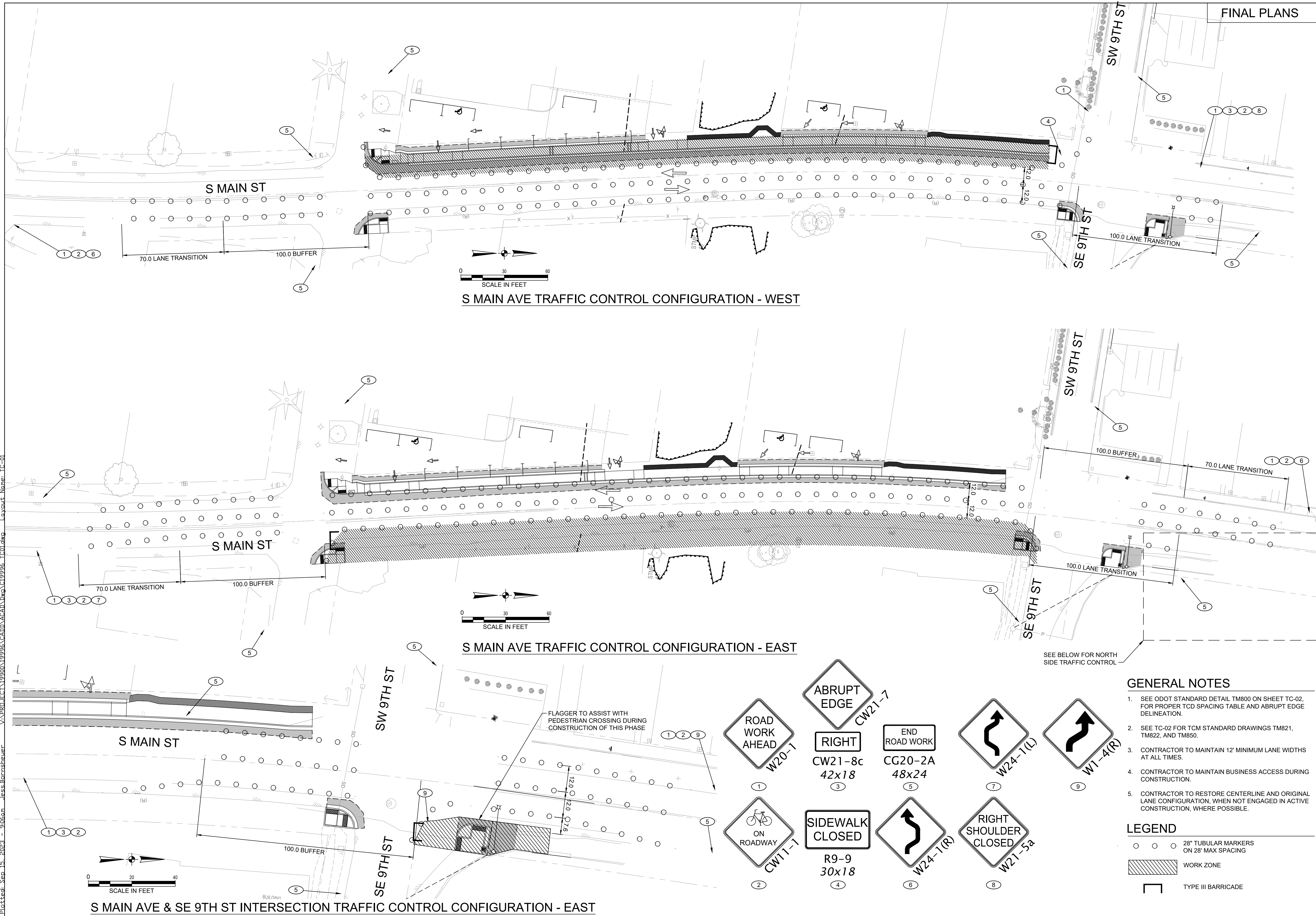
TITLE	#	DATE	DESCRIPTION
REVISIONS			
NAVD 88			
DATUM			
ZMG			ZMG
DRAWN BY			CHECKED BY
FINAL PLANS			
STATUS			
SEPTEMBER 2023			
DATE			
19996			
PROJECT NUMBER			

STD-03

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Plotted: Sep 15, 2023 - 9:06am - Jess.Roccoscheuer V:\PROJECT\19900\19996\CADD\ACAD\Drawn\CI\19996 - TC-01.dwg Layout Name: TC-01



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REGISTERED PROFESSIONAL
ENGINEER
72,629
OREGON
JUNE 11, 2009
KEITH BUISMAN
EXPIRES: 12/31/2023

WARRENTON MAIN AVE AT 9TH ST SRTS

WARRENTON, OREGON

WORK ZONE TRAFFIC CONTROL

TITLE	DATE	DESCRIPTION
#		

REVISIONS

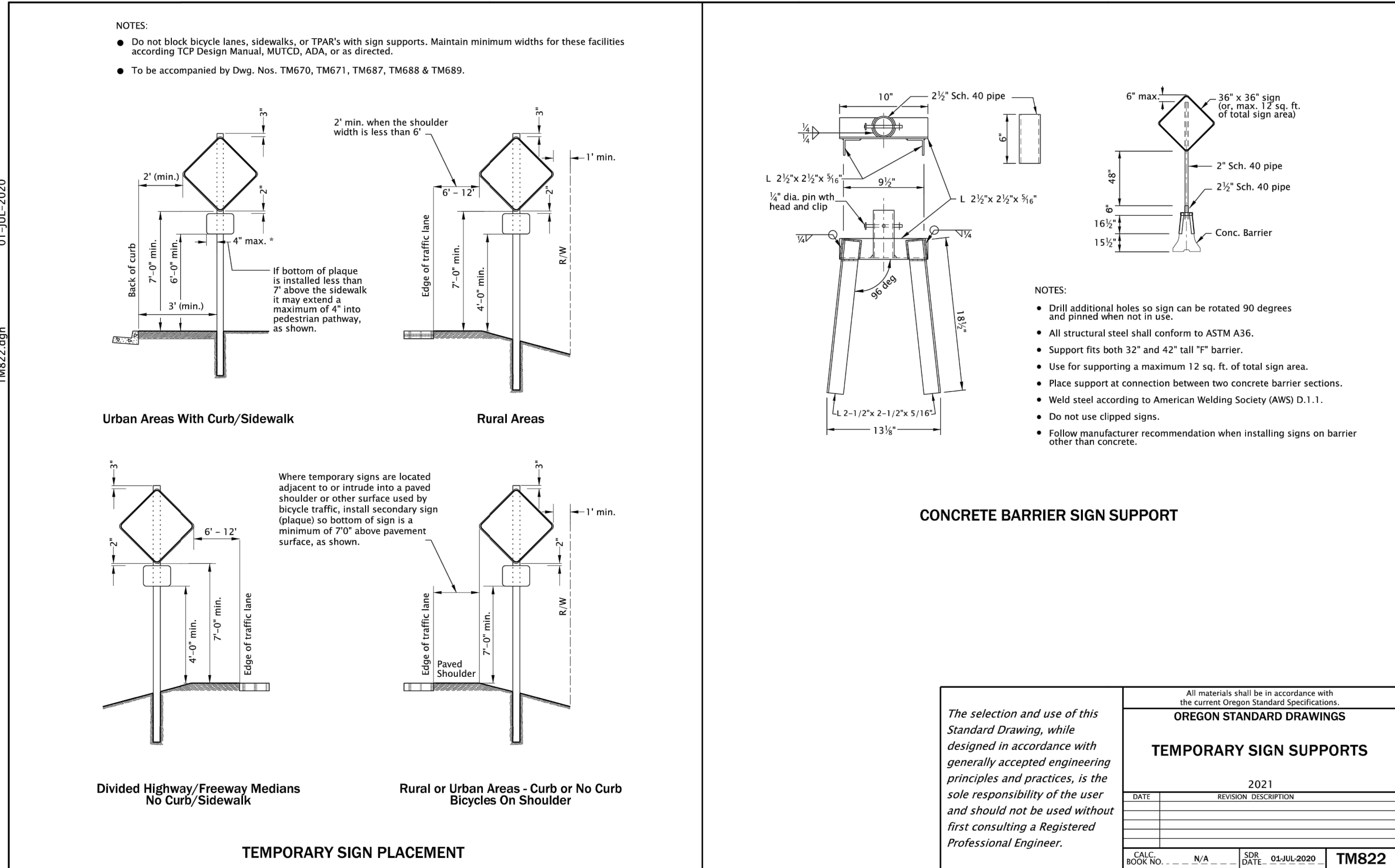
NAVD 88		
DATUM		
ZMG		ZMG
DRAWN BY		CHECKED BY
FINAL PLANS		
STATUS		
SEPTEMBER 2023		
DATE		
19996		
PROJECT NUMBER		

TC-01

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01-JUL-2022
TM822.dgn

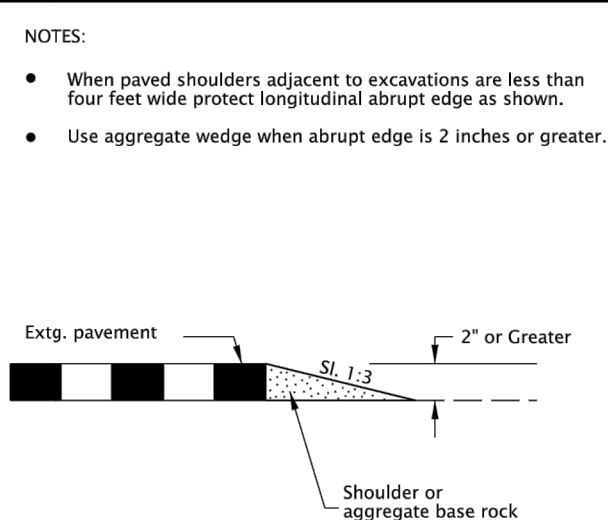


Effective Date: June 1, 2023 - November 30, 2023

TAPER TYPES & FORMULAS	
TAPER	FORMULA
Merging (Lane Closure)	"L"
Shifting	"L"/2 or 1/2"L"
Shoulder Closure	"L"/3 or 1/3"L"
Flagging (See Drg. TM850)	50' - 100'
Downstream (Termination)	Varies (See Drawings)

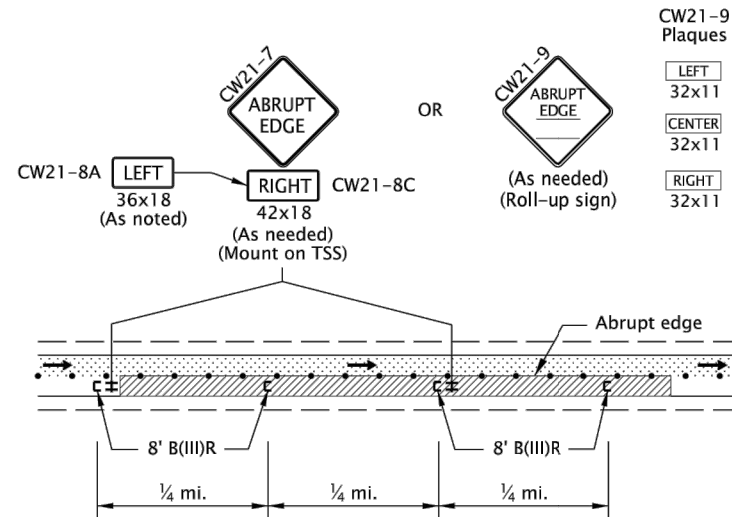
★ Use Pre-Construction Posted Speed to select the Speed from the Tables below.

★ SPEED (mph)	MINIMUM FLARE RATE
≤ 30	8:1
35	9:1
40	10:1
45	12:1
50	14:1
55	16:1
60	18:1
65	19:1
70	20:1

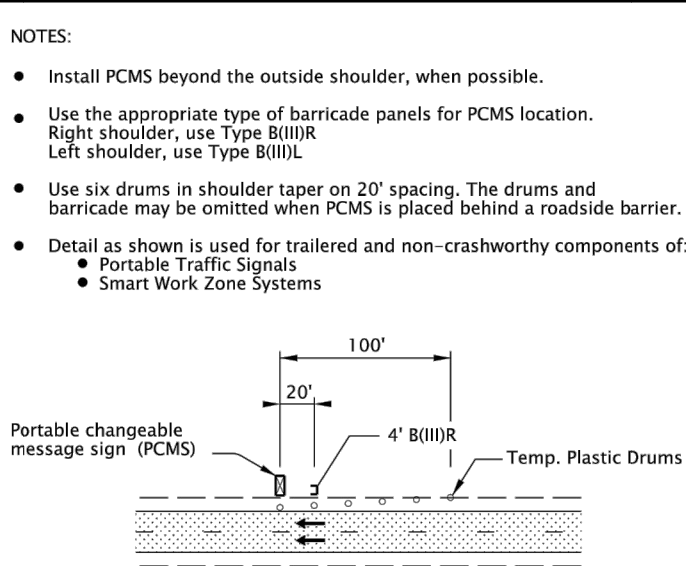


EXCAVATION ABRUPT EDGE

- NOTES:**
- Abrupt edges may be created by paving, operations, excavations or other roadway work. Use abrupt edge signing for longitudinal abrupt edges of 1 inch or greater.
 - If the excavation is located on left side of traffic, replace the 8" BUIR barricades with 8" BUIR barricades and replace the "RIGHT" (CW21-8C) riders with "LEFT" (CW21-8A) riders.
 - Continue signing and other traffic control devices throughout excavation area at spacings shown.
 - If roll-up signs are used, attach the correct (CW21-9) plaques to the sign face using hook and loop fasteners. Place roll-up signs in advance of barricades.



TYPICAL ABRUPT EDGE DELINEATION



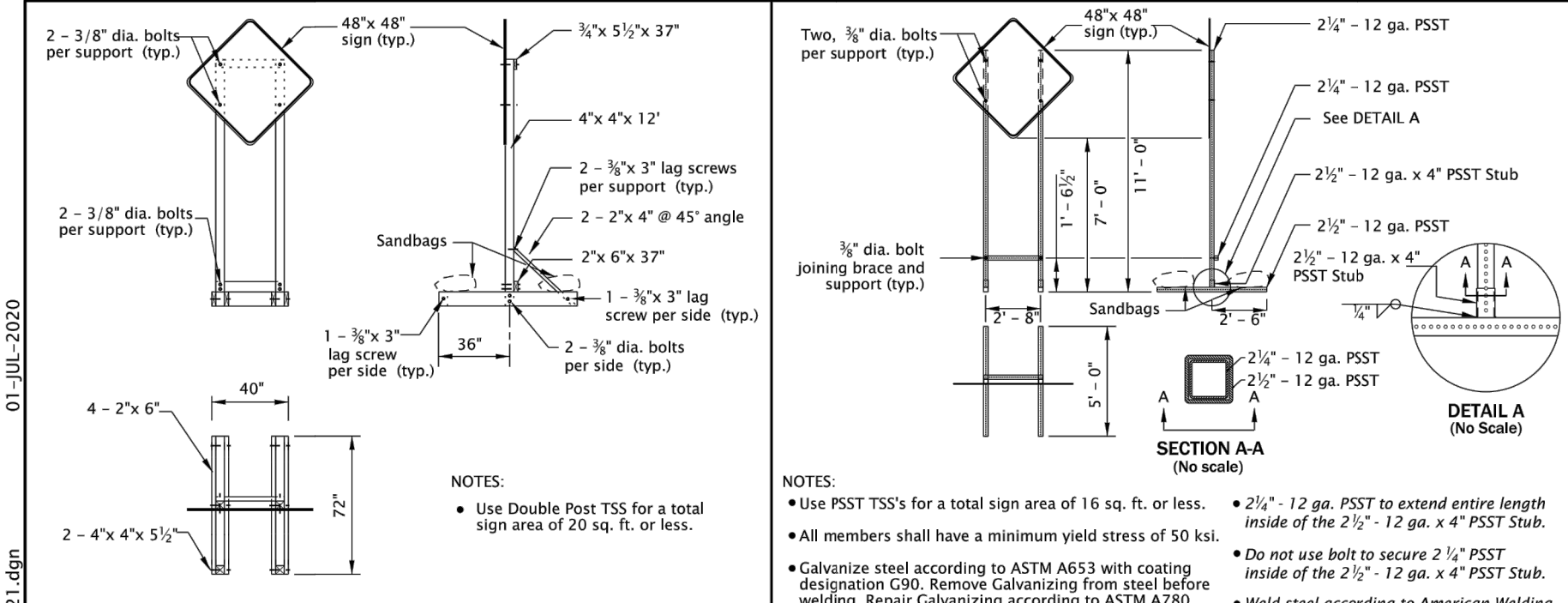
PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) INSTALLATION

- GENERAL NOTES FOR ALL TCD DRAWINGS:**
- Signs and other Traffic Control Devices (TCD) shown are the minimum required.
 - Place a barricade approx. 20' ahead of all sequential arrow boards.
 - Arrows shown in roadway are directional arrows to indicate traffic movements.
 - All signs are 48" x 48" unless otherwise shown. Use fluorescent orange sheeting for the background of all temporary warning signs.
 - All diamond shaped warning signs mounted on barrier sign supports shall be 36" by 36". All other signs mounted on barrier sign supports shall not exceed 12 sq. ft. in total sign area.
 - Low speed highways have a pre-construction posted speed of 40 mph or less. High speed highways have a pre-construction posted speed of 45 mph or higher.
 - Do not locate sign supports in locations designated for bicycle or pedestrian traffic.
 - Combine drawing details to complete temporary traffic control for each work activity.
 - Coordinate and control pedestrian movements through a Temporary Accessible Route using Flaggers, Traffic Control Measures, or as directed.
 - To be accompanied by Dwg. Nos. TM820 & TM821.

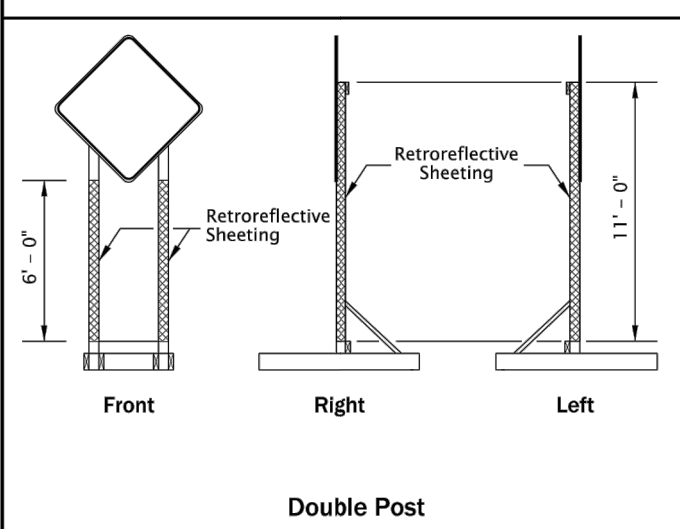
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OREGON STANDARD DRAWINGS	
TABLES, ABRUPT EDGE AND PCMS DETAILS	
2021	
DATE	REVISION DESCRIPTION
07-2022	Added a note for TAPs.
CALC. BSO NO.	N/A
SHEET	01-JUL-2022
TM800	

Effective Date: June 1, 2023 - November 30, 2023

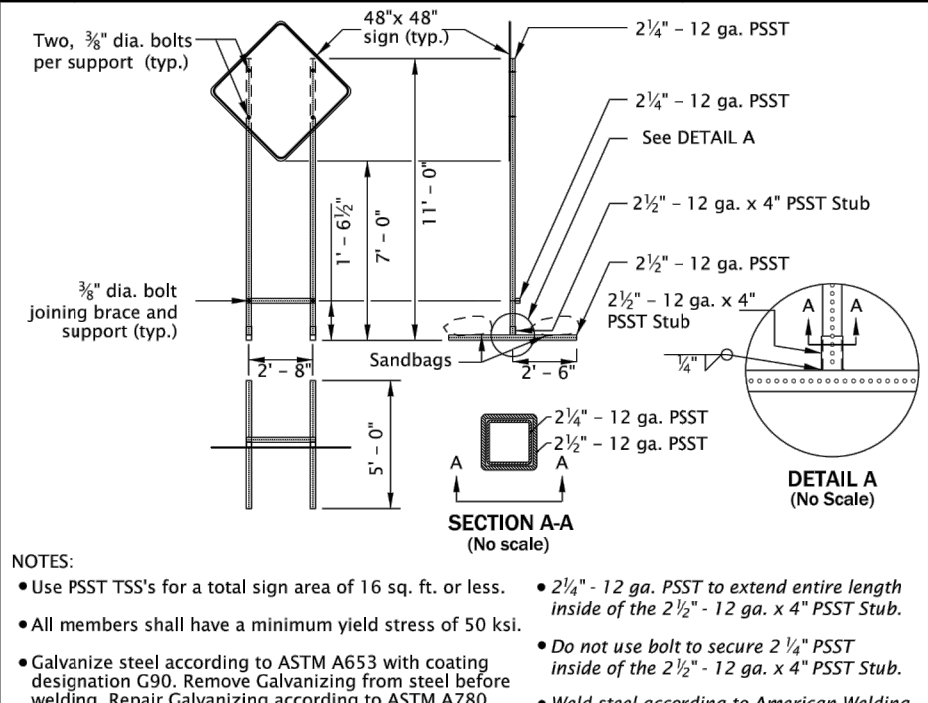


DOUBLE POST DETAIL

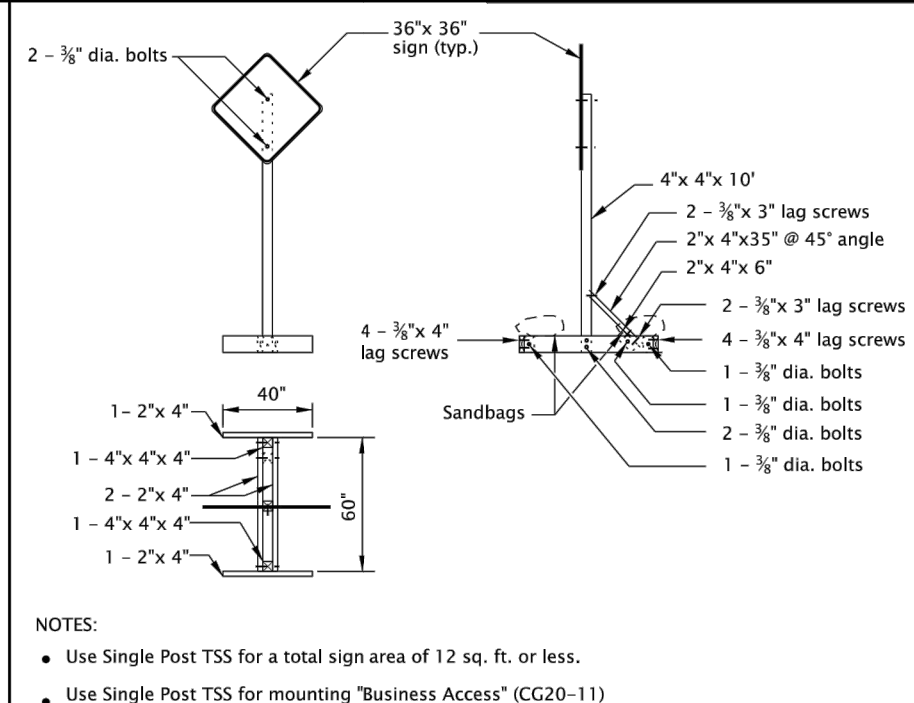
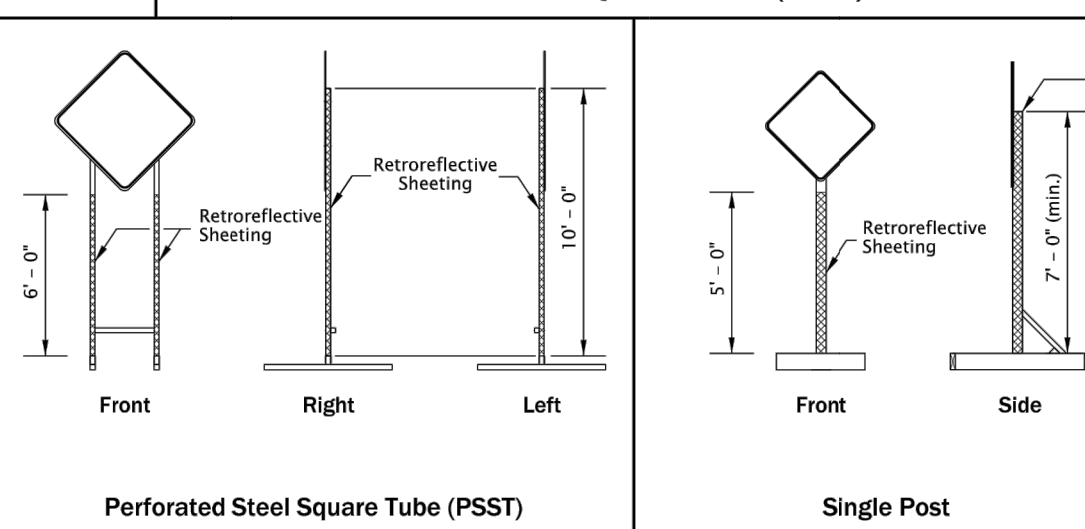


- NOTES:**
- Apply fluorescent orange, ANSI Type VII or IX retroreflective sheeting to TSS posts, as shown, for all temporary signs, except "STOP" and "DO NOT ENTER". For "STOP" and "DO NOT ENTER" signs, use red ANSI Type III or IV retroreflective sheeting on the TSS posts.
 - Apply sign post retroreflectivity to each TSS post facing front; and to the left and right sides of the TSS, as shown. Use 3" wide sheeting for wood post TSS's. Use 2" wide sheeting for PSST TSS's.
 - Sheeting may be applied directly to post material; or applied to a rigid, lightweight substrate, then securely attached to the posts.

SIGN POST REFLECTIVE SHEETING PLACEMENT



PERFORATED STEEL SQUARE TUBE (PSST) DETAIL



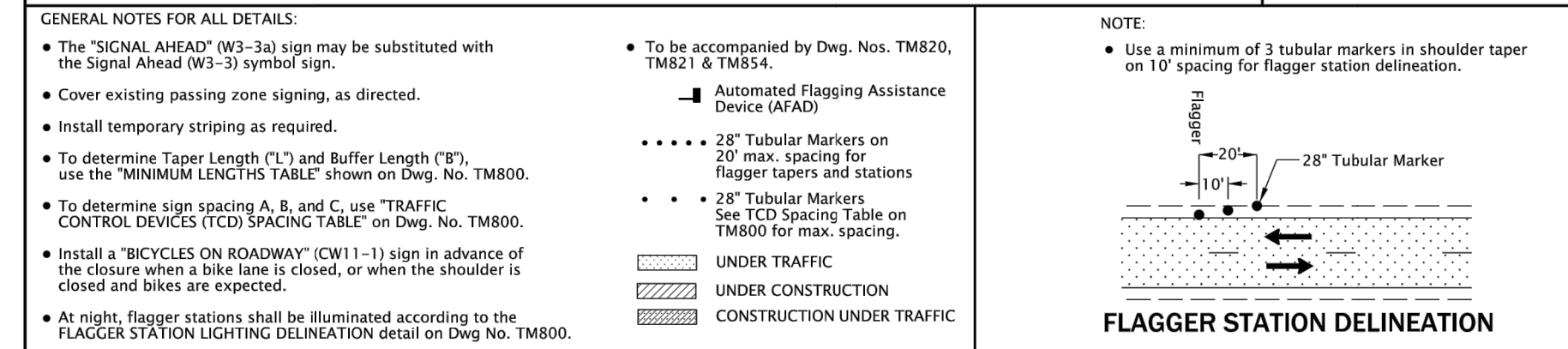
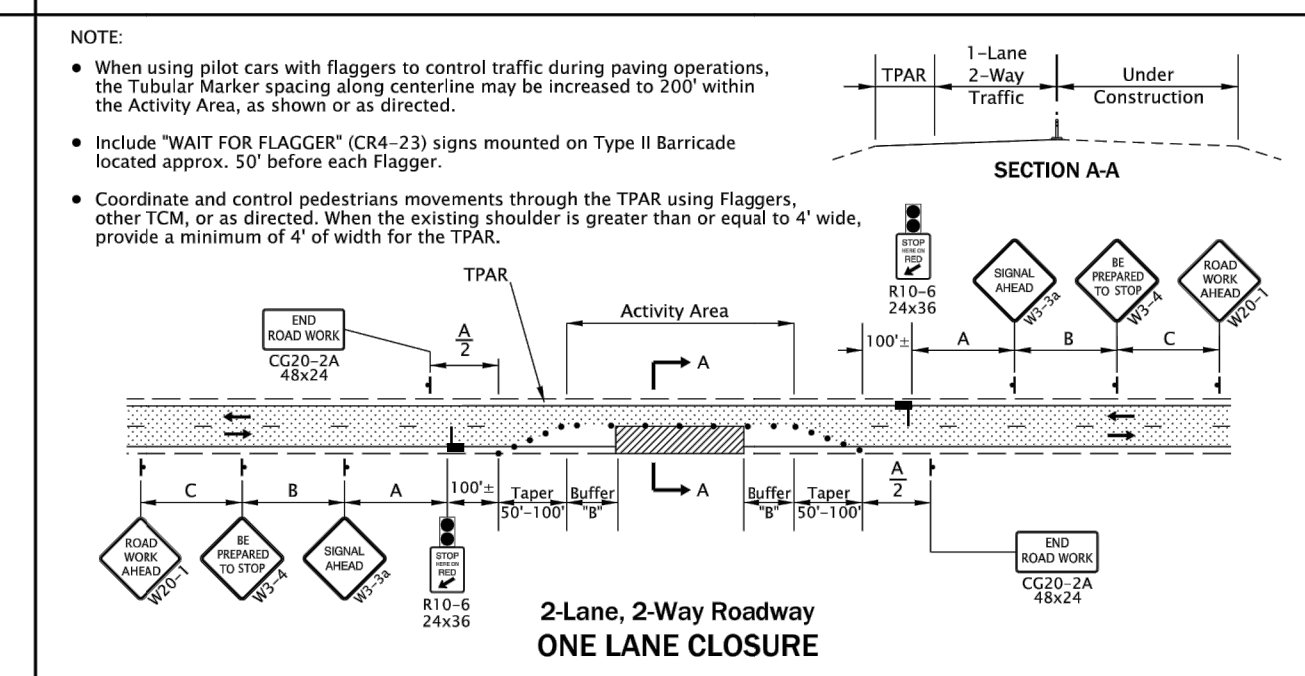
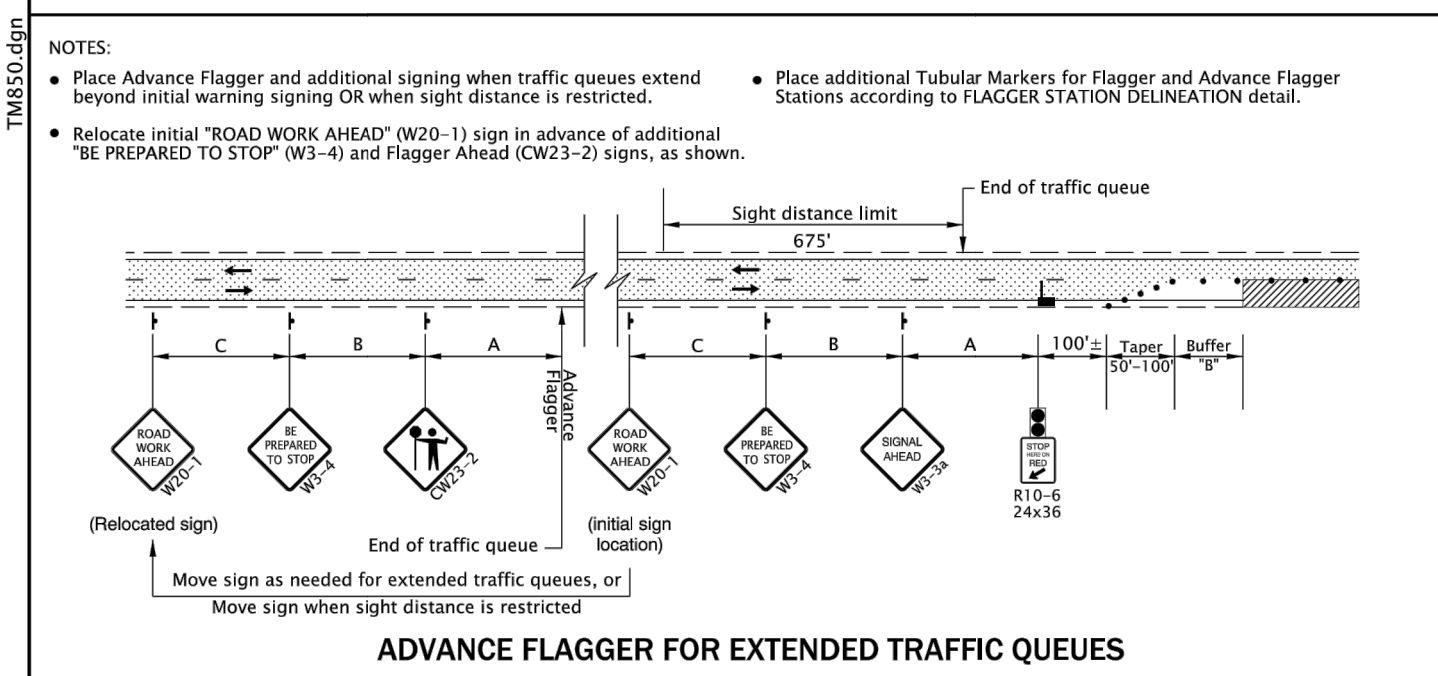
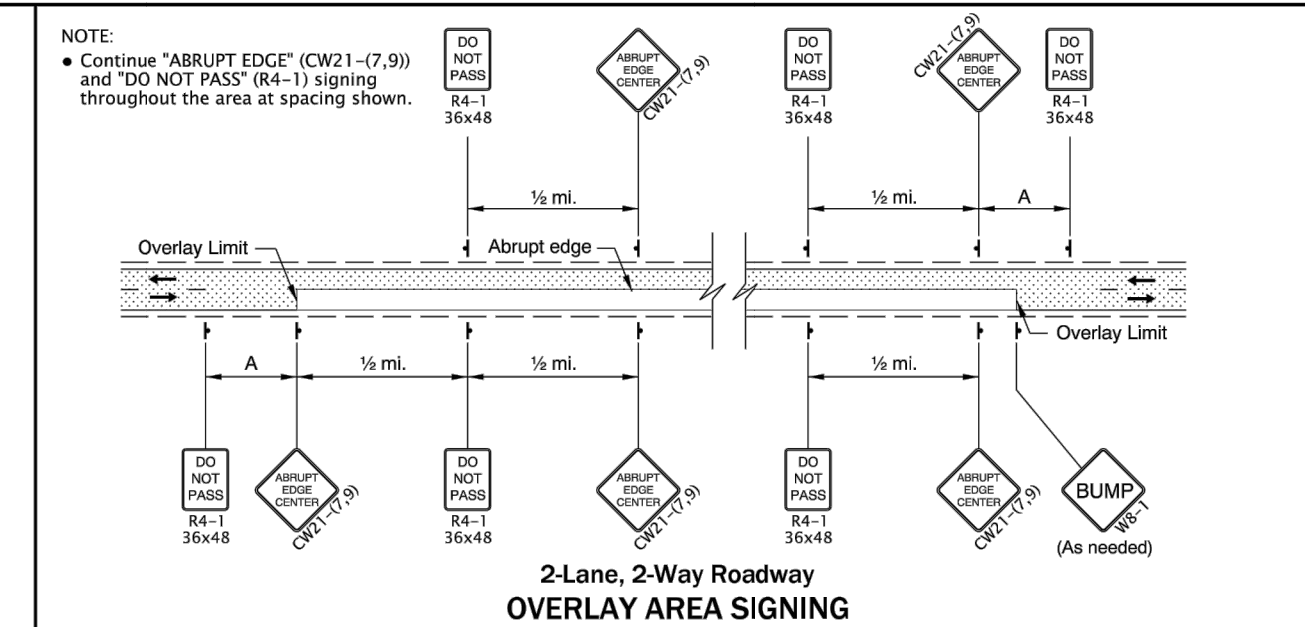
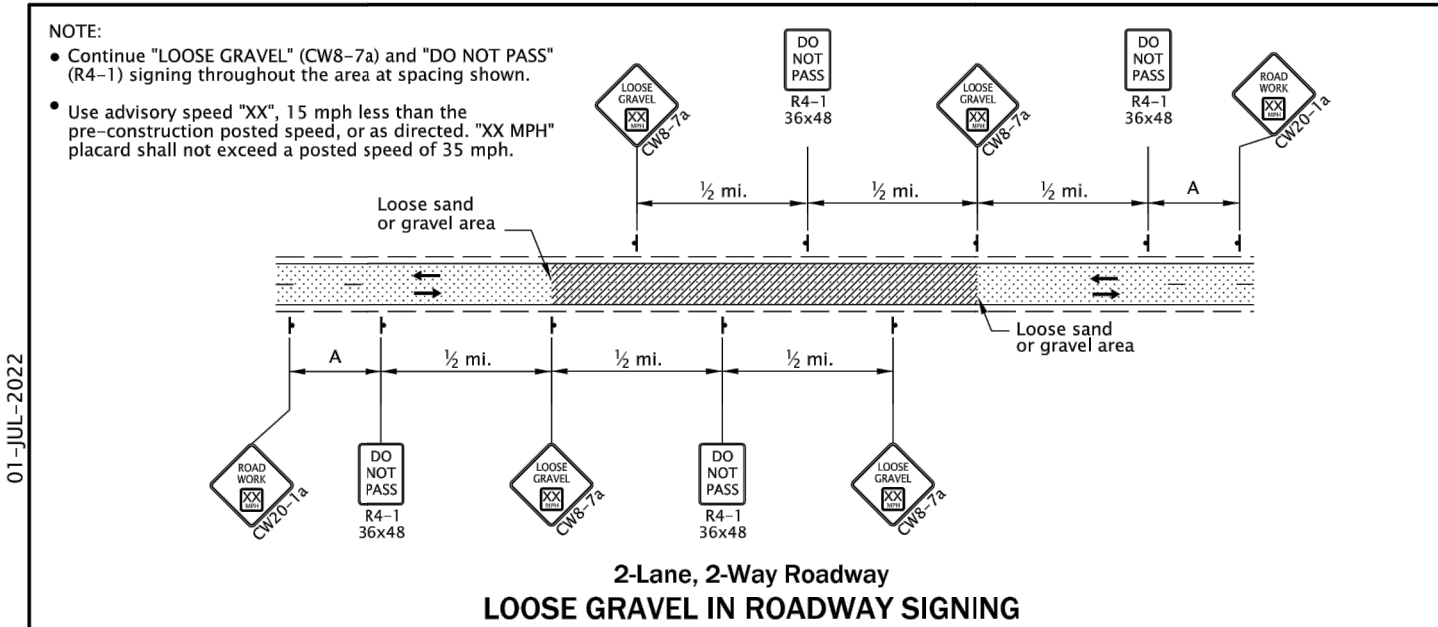
SINGLE POST DETAIL

- TEMPORARY SIGN SUPPORT GENERAL NOTES:**
- Do not tip over TSS at any time.
 - Do not locate TSS's in locations that block pedestrian or bicycle traffic.
 - For wooden TSS's, use either Douglas Fir or Hem Fir, which is surfaced four sides (S4S) and free of heart center (POHC).
 - See "Temporary Sign Placement" detail on TM822 for sign installation heights.
 - Do not place or stack ballast more than 24" above the ground.
 - When sign is inconsistent with current work zone conditions, cover sign; or turn sign 90 degrees away from approaching traffic. Remove TSS from roadway when signing is not needed for more than 3 days.
 - Place a minimum of 50 lbs of sandbags on each of the four TSS supports legs. (25 lb. max per bag) (min. 100 lbs per side of each TSS).
 - See Dwg. No. TM204 for flag board mounting detail.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS	
TEMPORARY SIGN SUPPORTS	
2021	
DATE	REVISION DESCRIPTION
01-2022	Added A44s to drawing.
CALC. BSO NO.	N/A
SHEET	01-JUL-2022
TM821	

Effective Date: June 1, 2023 - November 30, 2023



The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS	
2-LANE, 2-WAY ROADWAYS	
2021	
DATE	REVISION DESCRIPTION
01-2022	Added A44s to drawing.
CALC. BSO NO.	N/A
SHEET	01-JUL-2022
TM850	

Effective Date: June 1, 2023 - November 30, 2023