

GENERAL CIVIL NOTES

- 1. CONTRACTOR MUST BE LICENSED BY THE STATE OF OREGON AND SHALL PROCURE, PAY ALL COSTS FOR, AND CONFORM TO ALL CONSTRUCTION PERMITS REQUIRED BY THE CITY OF SHERWOOD AND WASHINGTON COUNTY.
2. OWNER TO PAY ALL PROJECT PERMIT COSTS, INCLUDING BUT NOT LIMITED TO UTILITY TAPPING, TV, AND CHLORINATION COSTS.
3. OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER.
4. CONTRACTOR TO NOTIFY CITY, COUNTY, AKS PROJECT ENGINEER, AND ALL UTILITY COMPANIES A MINIMUM OF 5 BUSINESS DAYS PRIOR TO START OF CONSTRUCTION AND COMPLY WITH ALL OTHER NOTIFICATION REQUIREMENTS OF AGENCIES WITH JURISDICTION OVER THE WORK.
5. CONTRACTOR SHALL PROVIDE ALL BONDS AND INSURANCE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION.
6. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL COORDINATE A PRE-CONSTRUCTION MEETING BETWEEN THE ENGINEER, OWNER'S REPRESENTATIVE, MAJOR SUBCONTRACTORS, AND PERMITTING AGENCIES.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DOCUMENTS AND PLANS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION.
10. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE APPROVED PLANS AND THE APPLICABLE PROVISIONS OF THE APPROVING AGENCIES' CONSTRUCTION STANDARDS.
11. CONTRACTOR SHALL AT ALL TIMES ABIDE BY APPLICABLE SAFETY RULES OF OSHA, IN PARTICULAR THOSE REGULATIONS PERTAINING TO ADEQUATE SHORING AND TRENCH PROTECTION FOR WORKERS.
12. CONSTRUCTION OF ALL PUBLIC FACILITIES SHALL BE DONE WITHIN THE HOURS PERMITTED BY THE GOVERNING JURISDICTION.
13. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE AGENCY REQUIREMENTS AND PROVIDE A COMPLETED PROJECT.
14. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
15. ANY INSPECTION BY THE CITY, COUNTY, AKS, OWNER'S REPRESENTATIVE, OR OTHER AGENCIES SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS, STANDARD CODES, AND AGENCY REQUIREMENTS.
16. IF THE CONTRACTOR DEVIATES FROM THE APPROVED PLANS, INCLUDING THESE NOTES, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE ENGINEER FOR SUCH DEVIATIONS, CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY WORK DONE WHICH DEVIATES FROM THE PLANS.
17. AKS HAS NOT BEEN RETAINED OR COMPENSATED TO PROVIDE DESIGN AND CONSTRUCTION REVIEW SERVICES RELATING TO THE CONTRACTOR'S SAFETY PRECAUTIONS, MEANS AND METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES REQUIRED FOR THE CONTRACTOR TO PERFORM WORK REQUIRED. AKS IS NOT A SAFETY INSPECTION COMPANY.
18. CONTRACTOR SHALL MAINTAIN ONE (1) COMPLETE SET OF APPROVED PLANS ON THE CONSTRUCTION SITE AT ALL TIMES WHEREON THEY WILL RECORD ALL APPROVED DEVIATIONS IN CONSTRUCTION FROM THE APPROVED DRAWINGS, AS WELL AS LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES ENCOUNTERED. THESE FIELD RECORD DRAWINGS SHALL BE KEPT UP TO DATE AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION BY THE CITY OR OWNER'S REPRESENTATIVE UPON REQUEST.

- 19. UPON COMPLETION OF CONSTRUCTION OF ALL NEW FACILITIES, CONTRACTOR SHALL SUBMIT A CLEAN SET OF FIELD RECORD DRAWINGS CONTAINING ALL AS-BUILT INFORMATION TO THE OWNER'S REPRESENTATIVE.
20. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE CURRENT DEQ EROSION AND SEDIMENT CONTROL MANUAL AND EROSION CONTROL STANDARDS OF THE LOCAL JURISDICTION.
21. THE WORK AREA AND APPROACH ROAD(S) SHALL BE MAINTAINED BY THE CONTRACTOR IN A CLEAN AND SANITARY CONDITION, FREE FROM OBSTRUCTIONS, DEBRIS, AND TRASH AT ALL TIMES.
22. ELEVATIONS SHOWN ON THE DRAWINGS ARE BASED ON CH2M'S DESIGN PLANS FOR THE TONQUIN-ICE AGE TRAIL VERTICAL DATUM (NAVD 1988 DATUM). SURVEYING FOR DESIGN WAS COMPLETED BY AKS ENGINEERING & FORESTRY AT (503) 563-6151.
23. THESE PLANS ASSUME AKS ENGINEERING & FORESTRY, LLC WILL BE RETAINED TO PROVIDE CONSTRUCTION STAKING SERVICES (TO INCLUDE OBSERVATION AND SURVEY CONSTRUCTION LAYOUT) DURING CONSTRUCTION OF ALL IMPROVEMENTS.
24. THE CONTRACTOR SHALL COORDINATE WITH THE SURVEYOR RETAINED BY THE OWNER OR RETAIN AND PAY FOR THE SERVICES OF A REGISTERED CIVIL ENGINEER AND/OR LAND SURVEYOR LICENSED IN THE STATE OF OREGON TO ESTABLISH CONSTRUCTION CONTROL AND PERFORM INITIAL CONSTRUCTION SURVEYS TO ESTABLISH THE LINES AND GRADES OF IMPROVEMENTS AS INDICATED ON THE DRAWINGS.
25. CONTRACTOR SHALL CONDUCT CONSTRUCTION ACTIVITIES IN SUCH A MANNER AS TO ENSURE MINIMUM INTERFERENCE WITH THE CONTINUED USE OF THE FACILITY BY THE COMMUNITY OR NEIGHBORS.
26. CONSTRUCTION ACTIVITIES, EQUIPMENT, VEHICLES, AND MATERIALS SHALL BE PLACED IN AREAS MINIMIZING INCONVENIENCE TO THE FACILITIES' NORMAL OPERATIONS AND SHALL BE COORDINATED WITH THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO THE START OF WORK.
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING CONSTRUCTION ACTIVITIES TO ENSURE THAT PUBLIC STREETS AND RIGHT-OF-WAYS ARE KEPT CLEAR OF MUD, DUST OR DEBRIS.
28. PRIOR TO FINAL ACCEPTANCE AND PAYMENT, THE CONTRACTOR SHALL CLEAN THE PROJECT SITE AND ADJACENT AREAS OF ANY DEBRIS, DISCARDED MATERIAL, OR OTHER ITEMS DEPOSITED BY THE CONTRACTOR'S PERSONNEL DURING THE PERFORMANCE OF THE WORK.
29. SETTLEMENT OR CRACKING OF FINISHED SURFACES WITHIN THE WARRANTY PERIOD SHALL BE CONSIDERED A FAILURE OF THE FINISHED SURFACE AND/OR SUBGRADE.
30. ELECTRONIC FILES ARE NOT CONSTRUCTION DOCUMENTS. DIFFERENCES MAY EXIST BETWEEN ELECTRONIC FILES AND CORRESPONDING HARD-COPY CONSTRUCTION DOCUMENTS.
31. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, AND TRAFFIC CONES PER CITY, COUNTY AND/OR ODOT REQUIREMENTS IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) INCLUDING OREGON AMENDMENTS AND LOCAL JURISDICTIONAL REQUIREMENTS.

TRAFFIC CONTROL

- 31. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, AND TRAFFIC CONES PER CITY, COUNTY AND/OR ODOT REQUIREMENTS IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) INCLUDING OREGON AMENDMENTS AND LOCAL JURISDICTIONAL REQUIREMENTS. ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. ALL TRAFFIC CONTROL MEASURES SHALL BE APPROVED AND IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY.

TESTING AND INSPECTIONS

- 32. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED OR NECESSARY INSPECTIONS ARE COMPLETED BY AUTHORIZED INSPECTORS PRIOR TO PROCEEDING WITH SUBSEQUENT WORK WHICH COVERS OR THAT IS DEPENDENT ON THE WORK TO BE INSPECTED.
33. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY INSPECTIONS OR NECESSARY OBSERVATIONS FOR ALL WORK PERFORMED INCLUDING ANY RE-TESTING THAT MAY BE REQUIRED TO MEET SPECIFICATION.
34. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL EARTHWORK, SUBGRADE APPROVALS, TRENCH BACKFILL, COMPACTION TESTS, AND OTHER GEOTECHNICAL RELATED ITEMS WITH THE PROJECT GEOTECHNICAL ENGINEER, AND/OR THIRD-PARTY INDEPENDENT TESTING LABORATORY AS APPLICABLE FOR THE PROJECT.
35. THE FOLLOWING TESTING IS THE MINIMUM REQUIRED FOR THE PROJECT.
SUBGRADE 1 TEST/4000 S.F./LIFT (4 TESTS MINIMUM)
ENGINEERED FILLS 1 TEST/4000 S.F./LIFT (4 TESTS MINIMUM)
BASE ROCK 1 TEST/4000 S.F./LIFT (4 TESTS MINIMUM)
ASPHALT 1 TEST/6000 S.F./LIFT (4 TESTS MINIMUM)
TRENCH BACKFILL 1 TEST/200 FOOT/LIFT (4 TESTS MINIMUM)
STORM MANDREL 95% OF ACTUAL PIPE DIAMETER. WITNESSED BY OWNER'S REP.
CONCRETE SLUMP & AIR 1 SET OF CYLINDERS/100 C.Y. OF CONCRETE POURED PER DAY. SLUMP AND AIR TESTS REQUIRED ON SAME LOAD AS CYLINDERS.
SPECIAL INSPECTIONS AS REQUIRED BY IBC.
36. IN ADDITION TO IN-PLACE DENSITY TESTING, THE SUBGRADE AND BASE ROCK SHALL BE PROOF-ROLLED WITH A LOADED 10-YARD DUMP TRUCK PROVIDED BY THE CONTRACTOR.
37. ALL ENGINEERED FILLS REQUIRE AN APPROVED INDEPENDENT TESTING LABORATORY RETAINED BY THE CONTRACTOR, TO PROVIDE WRITTEN CERTIFICATION STAMPED BY AN OREGON REGISTERED PROFESSIONAL ENGINEER STATING THAT THE SUBGRADE WAS PREPARED AND ALL ENGINEERED FILLS WERE PLACED IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND CONTRACT DOCUMENTS.

EXISTING CONDITIONS

- 38. THE LOCATION, DEPTHS (IF NOTED), AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS.
39. ANY UTILITIES LOCATED IN THE FIELD THAT THE CONTRACTOR DISRUPTS OR DAMAGES SHALL BE PROMPTLY REPAIRED TO NEW CONDITION.
40. NOTIFY THE OWNER AND OWNER'S REPRESENTATIVE IMMEDIATELY OF ALL UTILITIES EXPOSED.
41. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MARKING ALL EXISTING SURVEY MONUMENTS OF RECORD (INCLUDING BUT NOT LIMITED TO PROPERTY AND STREET MONUMENTS) PRIOR TO CONSTRUCTION.
42. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES WHERE NEW FACILITIES CROSS.
43. PRIVATE GRANULAR BASE ROCK SHALL CONFORM TO THE REQUIREMENTS OF OSSC (0007/APWA) 02630.10 (DENSE GRADED BASE AGGREGATE).
44. 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.
47. ANY SEPTIC TANKS ENCOUNTERED DURING CONSTRUCTION SHALL BE PUMPED OUT AND ABANDONED OR REMOVED IN ACCORDANCE WITH COUNTY SANITARIAN REQUIREMENTS.
48. ANY WELLS ENCOUNTERED SHALL BE ABANDONED PER THE STATE OF OREGON WATER RESOURCES DEPARTMENT REQUIREMENTS.
49. ANY FUEL TANKS ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF PER THE STATE OF OREGON DEQ REQUIREMENTS.
50. CONTRACTOR SHALL COORDINATE AND PAY ALL COSTS ASSOCIATED WITH REMOVING OR ABANDONING ANY SEPTIC TANKS, WELLS (INCLUDING BOREHOLE PIEZOMETERS), AND FUEL TANKS ENCOUNTERED AS PER REGULATING AGENCY REQUIREMENTS.
51. PRIOR TO CONNECTING TO EXISTING WATER, SEWER, OR STORM STUBS/LATERALS, CONTRACTOR SHALL CLEAN AND TV THE EXISTING PIPE, SUBMIT TV INSPECTION VIDEO AND REPORT TO ENGINEER AND/OR JURISDICTION FOR REVIEW TO CONFIRM PIPE IS IN ACCEPTABLE CONDITION FOR REUSE.
52. GRADING, COMPACTION, FILLS, ROCK, AND PAVING SHALL CONFORM TO CITY OF SHERWOOD OR WASHINGTON COUNTY STANDARD CONSTRUCTION SPECIFICATIONS FOR WORK WITHIN PUBLIC RIGHT-OF-WAY OR EASEMENTS.
53. PRIVATE GRADING, ROCK, AND PAVING TO CONFORM TO OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (OSSC/ODOT/APWA) AND IBC, CURRENT EDITIONS.
54. CLEAR AND GRUB WITHIN WORK LIMITS ALL SURFACE VEGETATION, TREES, STUMPS, BRUSH, ROOTS, ETC.
55. STRIP WORK LIMITS, REMOVING ALL ORGANIC MATTER, WHICH CANNOT BE COMPACTED INTO A STABLE MASS.
56. IMMEDIATELY FOLLOWING STRIPPING AND GRADING OPERATIONS, COMPACT SUBGRADE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
57. ALL FILLS SHALL BE ENGINEERED EXCEPT FOR FILLS LESS THAN 18-INCHES IN DEPTH WHICH ARE LOCATED OUTSIDE THE PUBLIC RIGHT-OF-WAY, BUILDING PADS, PARKING LOTS, OR OTHER AREAS TO BE IMPROVED.

- 58. AREAS TO RECEIVE ENGINEERED OR STRUCTURAL FILL SHALL BE PREPARED BY REMOVING ALL ORGANIC AND UNSUITABLE MATERIALS AND PROOF-ROLLING.
59. PRIVATE GRANULAR BASE ROCK SHALL CONFORM TO THE REQUIREMENTS OF OSSC (0007/APWA) 02630.10 (DENSE GRADED BASE AGGREGATE).
60. PRIVATE AC PAVEMENT BASE COURSE SHALL BE 1/2" DENSE GRADED MIX AND WEARING COURSE SHALL BE 1/2" DENSE GRADED MIX CONFORMING TO OSSC (0007/APWA) 00744 HOT MIXED ASPHALT CONCRETE (HMAC) PAVEMENT.
61. PAVEMENT SURFACE SHALL BE WITHOUT DEPRESSIONS OR PONDING WATER.
62. CONTRACTOR IS RESPONSIBLE FOR PROTECTING NEW PAVEMENT AGAINST TRAFFIC UNTIL IT HAS COOLED ENOUGH TO PREVENT MARKING OR TRACKING.
63. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, STRAIGHT GRADES SHALL BE RAN BETWEEN ALL FINISHED GRADE ELEVATIONS AND/OR FINISH CONTOUR LINES SHOWN.
64. FINISHED PAVEMENT GRADES AT TRANSITION TO EXISTING PAVEMENT SHALL MATCH EXISTING PAVEMENT GRADES OR BE FEATHERED PAST JOINTS WITH EXISTING PAVEMENT AS REQUIRED TO PROVIDE A SMOOTH, FREE DRAINING SURFACE.
65. ALL EXISTING OR CONSTRUCTED MANHOLES, CLEANOUTS, MONUMENT BOXES, GAS VALVES, WATER VALVES AND SIMILAR STRUCTURES SHALL BE ADJUSTED TO MATCH FINISH GRADE OF THE PAVEMENT, SIDEWALK, LANDSCAPED AREA OR MEDIAN STRIP WHEREIN THEY LIE.
66. NO CUT OR FILL SLOPES SHALL BE CONSTRUCTED STEEPER THAN 2 FEET HORIZONTAL TO 1 FOOT VERTICAL (2H:1V) UNLESS OTHERWISE SHOWN ON THE DRAWINGS AND APPROVED BY THE GEOTECHNICAL ENGINEER FOR THE PROJECT.
67. ALL PLANTER AREAS AND OPEN SPACE SHALL BE BACKFILLED WITH APPROVED TOPSOIL IN CONFORMANCE WITH THE LANDSCAPE PLAN FOR THE PROJECT.
68. GRADING SHOWN ON THE DRAWINGS IS CRITICAL TO ADA-COMPLIANCE AND SHALL BE STRICTLY FOLLOWED.
69. THE CONTRACTOR IS RESPONSIBLE TO ENSURE 1.0% MINIMUM SLOPE ON ALL NEW CONCRETE AND ASPHALT SURFACES TO PREVENT PONDING.
70. CONTRACTOR SHALL SUBMIT A CONCRETE SCORING PLAN TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO FORMING/POURING CONCRETE.
71. WHERE NEW CURBING CONNECTS TO EXISTING CURBING OR IS INSTALLED ALONG EXISTING STREETS OR PAVEMENT, THE GUTTER GRADE SHALL MATCH THE EXISTING STREET GRADES SO AS TO ALLOW DRAINAGE FROM THE STREET TO THE GUTTER AND THROUGH ANY TRANSITIONS.
72. CONTRACTOR SHALL CONSTRUCT ADA RAMPS WHERE SHOWN IN ACCORDANCE WITH CURRENT ADA REQUIREMENTS.
73. SIDEWALKS SHALL BE CONSTRUCTED PER OSSC SECTIONS 00440 AND 00756.
74. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.0% AND LONGITUDINAL SLOPE SHALL NOT EXCEED 5.0% UNLESS OTHERWISE SHOWN ON THE APPROVED PLANS.
75. PRIOR TO INSTALLATION OF CURB, GUTTER, ADA RAMPS, OR SIDEWALK THE OWNER'S REPRESENTATIVE AND/OR CITY INSPECTOR SHALL BE CONTACTED TO INSPECT STRING LINE, BASE ROCK, AND FORMWORK.
76. WHERE 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 OR OWNER'S REPRESENTATIVE.

CLEARING, GRADING, AND PAVING

UTILITY TRENCH EXCAVATION AND BACKFILL

- 77. PIPE LENGTHS SHOWN ON THE PLANS ARE APPROXIMATE, FINAL LENGTHS SHALL BE DETERMINED BY FIELD CONDITIONS.
78. THE CONTRACTOR SHALL HAVE APPROPRIATE EQUIPMENT ON SITE TO PRODUCE A FIRM, SMOOTH, UNDISTURBED SUBGRADE AT THE TRENCH BOTTOM, TRUE TO GRADE.
79. ALL PIPES SHALL BE BEDDED WITH MINIMUM 6-INCHES OF (CRUSHED ROCK SHALL EXTEND A MINIMUM OF 12-INCHES OVER THE TOP OF THE PIPE IN ALL CASES).
80. GRANULAR TRENCH BEDDING AND BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF OSSC (0007/APWA) 02630.10 (DENSE GRADED BASE AGGREGATE), 3/4"-0. COMPACT GRANULAR BACKFILL PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
81. CONTRACTOR SHALL ARRANGE TO ABANDON EXISTING SANITARY AND WATER SERVICES NOT SCHEDULED TO REMAIN IN SERVICE IN ACCORDANCE WITH APPROVING AGENCY REQUIREMENTS.
82. THE END OF ALL UTILITY SERVICE LINES SHALL BE MARKED WITH A 2-X-4 PAINTED WHITE AND WREID TO PIPE STUB.
83. 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.
84. NO TRENCHES IN SIDEWALKS, ROADS, OR DRIVEWAYS SHALL BE LEFT IN AN OPEN CONDITION OVERNIGHT.
85. STORM DRAIN PIPE MATERIALS TO CONFORM TO THE CONSTRUCTION DRAWINGS AND CITY REQUIREMENTS.

STORM DRAIN CONSTRUCTION

- 85. STORM DRAIN PIPE MATERIALS TO CONFORM TO THE CONSTRUCTION DRAWINGS AND CITY REQUIREMENTS. STORM DRAIN PIPE MUST BE INSTALLED WITH WATERTIGHT JOINTS. CONTRACTOR SHALL USE UNIFORM PIPE MATERIAL ON EACH PIPE RUN BETWEEN STRUCTURES UNLESS OTHERWISE DIRECTED OR APPROVED.
STORM PIPE COVER DEPTH (MEASURED FROM FINISH GRADE TO TOP OF PIPE) LESS THAN 2 FEET 2 FEET OR MORE 2.5 FEET OR MORE
STORM PIPE MATERIAL CLASS 52 DUCTILE IRON PIPE (4"); CLASS 50 DUCTILE IRON PIPE (6" TO 12"); CLASS 51 DUCTILE IRON PIPE (14" TO 18") WITH BELL AND SPIGOT JOINTS AND RUBBER GASKETS. CLASS 3, ASTM C-14 NON-REINFORCED CONCRETE PIPE ASTM 150 TYPE II CEMENT; OR PVC PIPE CONFORMING TO AWWA C900 OR 18 (4" TO 12") OR AWWA C-905 (14" TO 18") WITH BELL AND SPIGOT JOINTS AND RUBBER GASKETS. 21" TO 30" PIPE SHALL BE CLASS IV, ASTM C-76 REINFORCED CONCRETE PIPE WITH BELL AND SPIGOT JOINTS AND RUBBER GASKETS WITH ASTM 150 TYPE II CEMENT. PVC PIPE CONFORMING TO ASTM D-3034 SOLID WALL PVC SDR 35 WITH BELL AND SPIGOT JOINTS AND RUBBER GASKETS (4" TO 18"); OR HDPE ADS N-12 1/2 IB ST, HANCOR SURE-LOK F477 PIPE SHALL BE INSTALLED FOR PIPE SLOPES LESS THAN 6% (6" TO 30") AND HDPE ADS N-12 IB WT, HANCOR BLUE SEAL PIPE SHALL BE INSTALLED FOR PIPE SLOPES GREATER THAN OR EQUAL TO 6% BUT LESS THAN 10% (6" TO 30"). HDPE PIPE IF USED SHALL CONFORM TO AASHTO M-252 (8" TO 10") OR AASHTO M-294 (12" TO 30") AND HAVE DEPTH TO INVERT OF LESS THAN 12 FEET.

- 86. STORM DRAIN PIPE SHALL BE INSTALLED IN A STRAIGHT ALIGNMENT, UNLESS OTHERWISE SHOWN ON PLANS, WITH A UNIFORM SLOPE BETWEEN STRUCTURES (MANHOLES, CLEANOUTS, CATCH BASINS, ETC.).
87. CONTRACTOR SHALL INDICATE THE PIPE MATERIAL ACTUALLY INSTALLED ON THE FIELD RECORD DRAWINGS AND PROVIDE THIS INFORMATION FOR INCLUSION ON THE AS-BUILT DRAWINGS.
88. STORM DRAIN INLETS SHALL BE SET SQUARE WITH BUILDINGS, OR WITH THE EDGE OF THE PARKING LOT OR STREET WHEREIN THEY LIE.
89. CATCH BASIN AND CURB INLET LEAD LENGTHS ARE TO THE CENTER OF STRUCTURE.
90. UNLESS OTHERWISE APPROVED BY THE ENGINEER, ALL STORM DRAIN CONNECTIONS SHALL BE BY MANUFACTURED WYES.
91. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, ALL STORM PIPE INLETS AND OUTFALLS DAYLIGHTING TO STORMWATER FACILITIES/DITCHES /SWALES SHALL BE BEVELED FLUSH TO MATCH THE SLOPE WHEREIN THEY LIE.
92. ALL PVC PIPES DISCHARGING TO STORM FACILITIES AND SUNLIGHT EXPOSED SHALL BE PAINTED WITH EARTH-COLORED EXTERIOR PAINT AS RECOMMENDED BY THE MANUFACTURER FOR ABOVEGROUND UV EXPOSURE.
93. DEFLECT STORM DRAIN PIPE INTO CATCH BASINS, INLETS, AND MANHOLES AS REQUIRED.
94. INSTALL STORM DRAIN PIPE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION GUIDELINES.
95. BEFORE MANDREL TESTING OR FINAL ACCEPTANCE, ALL TRENCH COMPACTION SHALL BE COMPLETED, FLUSH AND CLEAN ALL STORM DRAINS, AND REMOVE ALL FOREIGN MATERIAL FROM THE PIPES, MANHOLES, AND CATCH BASINS.
96. CONTRACTOR SHALL CONDUCT DEFLECTION TEST OF FLEXIBLE STORM DRAIN PIPES BY PULLING AN APPROVED MANDREL THROUGH THE COMPLETED PIPE LINE FOLLOWING TRENCH COMPACTION.
97. UPON COMPLETION OF ALL STORM DRAIN CONSTRUCTION, TESTING, AND REPAIR, THE CONTRACTOR SHALL CONDUCT A COLOR TV ACCEPTANCE INSPECTION OF ALL PUBLIC MAIN LINES IN ACCORDANCE WITH OSSC (0007/APWA) 445.74 TO DETERMINE COMPLIANCE WITH GRADE REQUIREMENTS OF OSSC (0007/APWA) 445.40.B.
801. AMERICANS WITH DISABILITIES ACT (ADA) NOTES
802. CONTRACTOR SHALL EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA ACCESSIBLE COMPONENTS ON THE PROJECT.
803. FINISHED SURFACES ALONG THE ACCESSIBLE PATH OF TRAVEL FROM PARKING STALLS, PUBLIC TRANSPORTATION, AND PEDESTRIAN ACCESSWAYS TO THE POINT(S) OF ACCESSIBLE BUILDING INGRESS AND EGRESS SHALL COMPLY WITH ADA CODE REQUIREMENTS.
804. CURB RAMP SLOPE SHALL NOT EXCEED 1:12 (8.3%) FOR A MAXIMUM OF SIX (6) FEET.
805. LANDINGS SHALL BE PROVIDED AT EACH END OF RAMPS, SHALL HAVE POSITIVE DRAINAGE, AND SHALL NOT EXCEED 1:48 (1/4" PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.
806. SIDEWALKS: PATH OF TRAVEL ALONG ACCESSIBLE ROUTE SHALL PROVIDE A MINIMUM OF 36 INCH UNOBSTRUCTED WIDTH OF TRAVEL.
807. TRAIL: PATH OF TRAVEL ALONG ACCESSIBLE ROUTE SHALL PROVIDE A MINIMUM OF 36 INCH UNOBSTRUCTED WIDTH OF TRAVEL.

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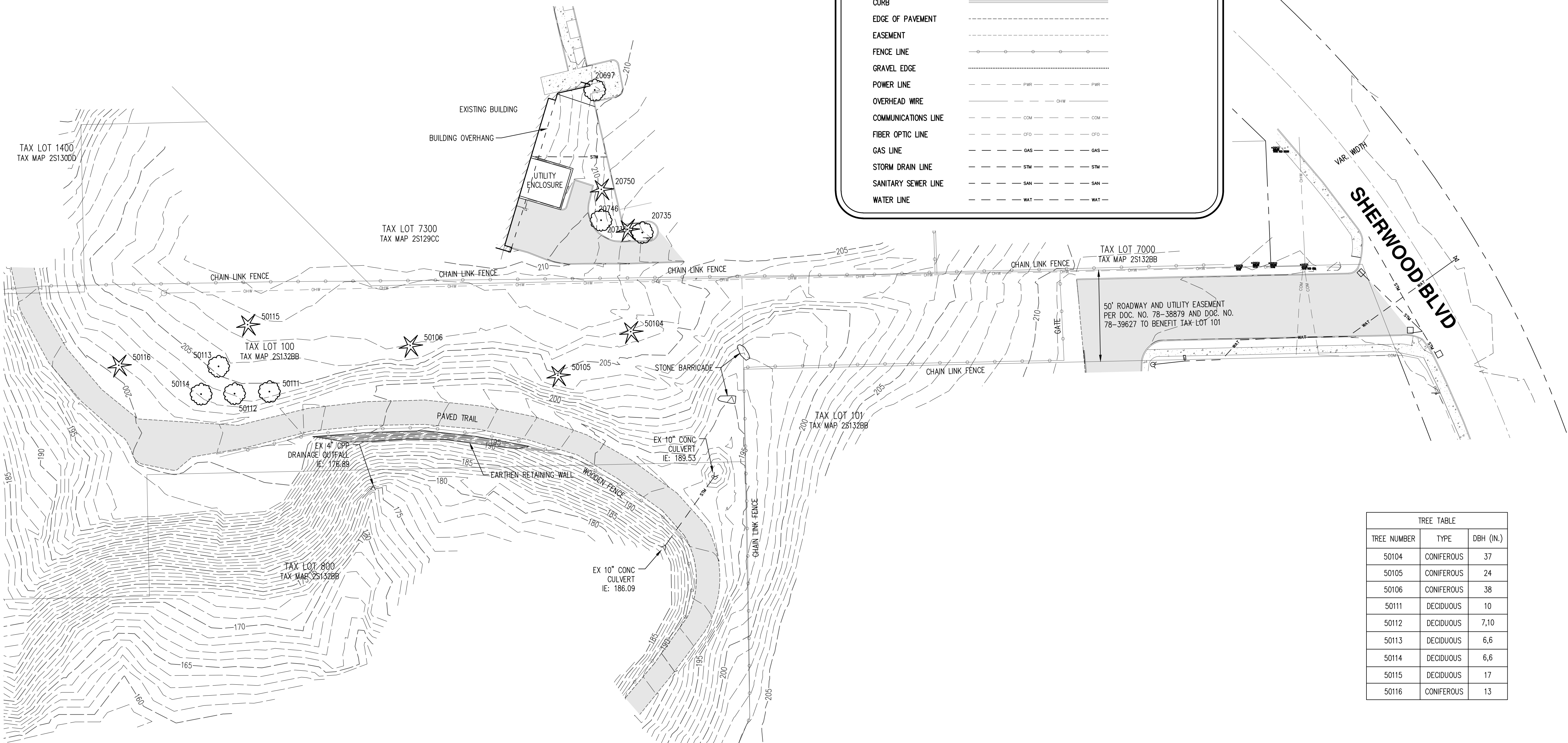
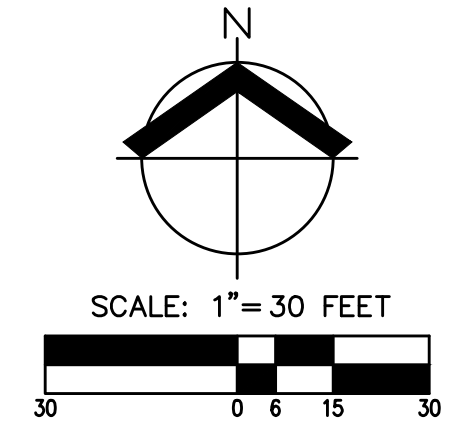
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CEDAR CREEK GREENWAY FEEDER TRAIL
SHERWOOD OREGON
WASHINGTON COUNTY ASSESSOR'S TAX MAP 251320B
SHERWOOD OREGON TAX LOT 100
GENERAL CIVIL CONSTRUCTION NOTES
DESIGNED BY: AMC
DRAWN BY: JAM/ECR
MANAGED BY: AMC
CHECKED BY: CEG
DATE: 03/04/2024
REGISTERED PROFESSIONAL ENGINEER 97708PE
REVISIONS
JOB NUMBER 9965
SHEET C001

NOTES:

- UTILITIES SHOWN ARE BASED ON UNDERGROUND UTILITY LOCATE MARKINGS AS PROVIDED BY OTHERS, PROVIDED PER UTILITY LOCATE TICKET NUMBER 23012554. 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 JANUARY 18, 2023.
- BASIS OF BEARINGS / HORIZONTAL DATUM: COORDINATES ARE BASED ON OREGON STATE PLANE COORDINATES, NORTH ZONE, NAD83(2011).
- VERTICAL DATUM: ELEVATIONS ARE BASED ON CH2M'S DESIGN PLANS FOR THE TONQUIN-ICE AGE TRAIL VERTICAL DATUM, BEING THE NAVD 88 DATUM.
- CONTOUR INTERVAL IS 1.00 FOOT.
- THIS IS NOT A PROPERTY BOUNDARY SURVEY TO BE RECORDED WITH THE COUNTY SURVEYOR. BOUNDARIES MAY BE PRELIMINARY AND SHOULD BE CONFIRMED WITH THE STAMPING SURVEYOR PRIOR TO RELYING ON FOR DETAILED DESIGN OR CONSTRUCTION.

LEGEND

EXISTING		EXISTING	
DECIDUOUS TREE		STORM DRAIN CLEAN OUT	
CONIFEROUS TREE		STORM DRAIN CATCH BASIN	
FIRE HYDRANT		STORM DRAIN AREA DRAIN	
WATER BLOWOFF		STORM DRAIN MANHOLE	
WATER METER		GAS METER	
WATER VALVE		GAS VALVE	
DOUBLE CHECK VALVE		GUY WIRE ANCHOR	
AIR RELEASE VALVE		UTILITY POLE	
SANITARY SEWER CLEAN OUT		POWER VAULT	
SANITARY SEWER MANHOLE		POWER JUNCTION BOX	
SIGN		POWER PEDESTAL	
STREET LIGHT		COMMUNICATIONS VAULT	
MAILBOX		COMMUNICATIONS JUNCTION BOX	
		COMMUNICATIONS RISER	
EXISTING			
RIGHT-OF-WAY LINE			
BOUNDARY LINE			
PROPERTY LINE			
CENTERLINE			
DITCH			
CURB			
EDGE OF PAVEMENT			
EASEMENT			
FENCE LINE			
GRAVEL EDGE			
POWER LINE			
OVERHEAD WIRE			
COMMUNICATIONS LINE			
FIBER OPTIC LINE			
GAS LINE			
STORM DRAIN LINE			
SANITARY SEWER LINE			
WATER LINE			



TREE TABLE		
TREE NUMBER	TYPE	DBH (IN.)
50104	CONIFEROUS	37
50105	CONIFEROUS	24
50106	CONIFEROUS	38
50111	DECIDUOUS	10
50112	DECIDUOUS	7,10
50113	DECIDUOUS	6,6
50114	DECIDUOUS	6,6
50115	DECIDUOUS	17
50116	CONIFEROUS	13

AKS
 AKS ENGINEERING & FORESTRY, LLC
 12065 SW HERMAN RD. STE 100
 TUALATIN, OR 97062
 503.563.6151
 WWW.AKS-ENG.COM

**CEDAR CREEK GREENWAY
 FEEDER TRAIL**
 SHERWOOD OREGON
 WASHINGTON COUNTY ASSESSOR'S TAX MAP 25132BB
 TAX LOT 100

**EXISTING CONDITIONS
 PLAN**

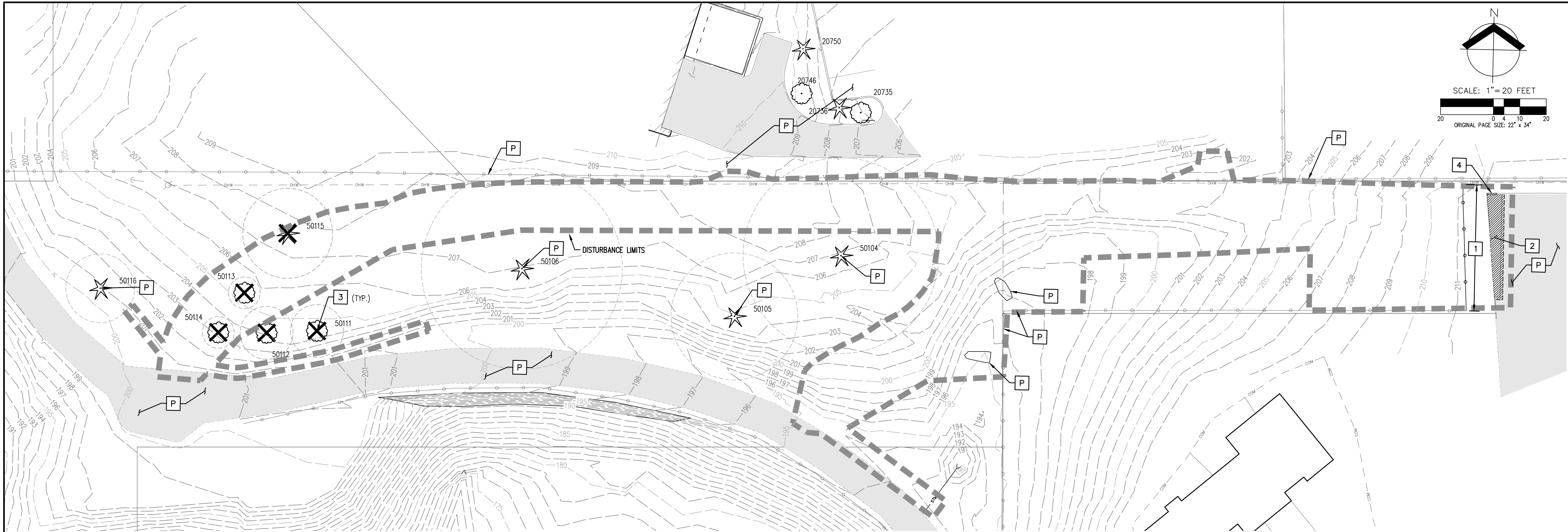
DESIGNED BY: _____
 DRAWN BY: SPS
 MANAGED BY: MTB
 CHECKED BY: MTB
 DATE: 03/01/2024
 REGISTERED PROFESSIONAL LAND SURVEYOR

OREGON
 JANUARY 11, 2005
 ROBERT D. RETTIG
 60124LS
 RENEWS: 12/31/24

REVISIONS

JOB NUMBER
 9965

SHEET
 C002



DEMOLITION PLAN

DEMOLITION NOTES

- PRIOR TO STARTING DEMOLITION OPERATIONS, THE CONTRACTOR SHALL APPLY FOR AND OBTAIN ALL NECESSARY PERMITS REQUIRED BY FEDERAL, STATE, CITY, COUNTY, AND LOCAL LAWS, CODES, AND REGULATIONS. DEMOLITION PERMIT SHALL BE REQUIRED THROUGH THE BUILDING DIVISION AND OBTAINED AND PAID FOR BY CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES AND/OR IMPROVEMENTS TO REMAIN ON OR OFF SITE. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING STRUCTURES AND/OR IMPROVEMENTS TO REMAIN AND SHALL RESTORE ANY DAMAGE TO THE PRE-DEMOLITION CONDITION OR BETTER USING NEW MATERIALS. ANY REPAIRS REQUIRED SHALL BE PERFORMED AT THE CONTRACTOR'S SOLE COST AND EXPENSE.
- CONTRACTOR SHALL BE REQUIRED TO SECURE ALL NECESSARY PERMITS AND APPROVALS FOR ALL OFFSITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR SHALL SUPPLY A COPY OF APPROVALS TO OWNER'S REPRESENTATIVE PRIOR TO INITIATING WORK.
- CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES IN CONFORMANCE WITH THE EROSION CONTROL PLAN, NOTES, AND DETAILS PRIOR TO STARTING DEMOLITION OPERATIONS.
- THE LOCATION OF ALL UTILITIES SHALL BE MARKED IN THE FIELD PRIOR TO DEMOLITION. CONTRACTOR SHALL PROTECT AND MAINTAIN IN A SAFE AND OPERABLE CONDITION ALL UTILITIES INDICATED TO REMAIN, AND PREVENT INTERRUPTION OF EXISTING UTILITY SERVICES EXCEPT WHEN AUTHORIZED IN WRITING BY THE AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL PROVIDE TEMPORARY SERVICES, ACCEPTABLE TO GOVERNING AUTHORITIES AND OWNER'S REPRESENTATIVE, FOR BUILDING(S) TO REMAIN AS REQUIRED DURING INTERRUPTIONS TO EXISTING UTILITY SERVICES.
- DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE PROJECT LIMITS WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE AND/OR GOVERNMENTAL AGENCIES HAVING JURISDICTION IF APPLICABLE.
- THE CONTRACTOR SHALL KEEP ALL STREETS AND PUBLIC RIGHT-OF-WAYS CLEAN OF MUD, DIRT, AND DEMOLITION DEBRIS. THE CONTRACTOR SHALL MONITOR THE HAULING OF DEBRIS TO ENSURE THAT ANY SPILLAGE FROM TRUCKS IS PROMPTLY AND COMPLETELY REMOVED AND CLEANED UP. IF REQUIRED AND/OR NECESSARY, THE CONTRACTOR SHALL COVER ALL HAUL VEHICLES.
- CONTRACTOR SHALL CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. IF APPLICABLE, STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY PRIOR TO THE COMMENCEMENT OF ANY STREET OPENING OR DEMOLITION ACTIVITIES IN THE RIGHT-OF-WAY.
- CONTRACTOR SHALL CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITIONS EXISTING PRIOR TO THE START OF THE WORK.
- DEBRIS SHALL NOT BE BURIED OR STOCKPILED ON THE PROPERTY. ALL DEMOLITION DEBRIS AND MATERIALS SHALL BE DISPOSED OF AT OFFSITE LOCATIONS IN ACCORDANCE WITH ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS, CODES, AND REGULATIONS. THE CONTRACTOR SHALL MAINTAIN RECORDS TO DEMONSTRATE PROPER DISPOSAL ACTIVITIES AND SHALL PROVIDE A COPY TO THE OWNER OR OWNER'S REPRESENTATIVE UPON REQUEST. CONTRACTOR SHALL COORDINATE AND PAY ALL COSTS INCLUDING DISPOSAL CHARGES.

- CONTRACTOR SHALL CONFORM TO APPLICABLE REGULATORY PROCEDURES IF HAZARDOUS OR CONTAMINATED MATERIALS ARE DISCOVERED.
- CONTRACTOR IS RESPONSIBLE FOR JOB SAFETY AND SHALL PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS, WARNING SIGNS, TRAFFIC CONES, AND PROTECTION AS NECESSARY DURING DEMOLITION ACTIVITIES.
- CONTRACTOR SHALL REMOVE ALL EXISTING STRUCTURES, FACILITIES, IMPROVEMENTS, ETC. AS SHOWN, UNLESS OTHERWISE DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL BACKFILL ALL EXCAVATION RESULTING FROM, OR INCIDENTAL TO, DEMOLITION ACTIVITIES. BACKFILL SHALL BE ACCOMPLISHED WITH APPROVED MATERIALS, AND SHALL BE PLACED AS COMPACTED ENGINEERED FILL AS REQUIRED TO SUPPORT NEW IMPROVEMENTS. BACKFILLING SHALL OCCUR IMMEDIATELY AFTER DEMOLITION ACTIVITIES UNLESS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE.
- DEMOLITION AREAS SHALL BE GRADED TO MATCH ADJACENT TERRAIN TO FORM A SMOOTH, CLEAN (FREE OF DEBRIS), FREE DRAINING SURFACE, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR APPROVED BY THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR RELOCATION OF EXISTING UTILITIES, ETC. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND PAY ALL COSTS FOR EXCAVATION, BACKFILL, CONDUIT, WIRING, AND APPURTENANCES REQUIRED TO COMPLETE THE WORK.
- ALL DEMOLITION BEHIND TREE PROTECTION FENCE SHALL BE DONE USING HAND TOOLS AND METHODS, WHILE UNDER OBSERVATION OF PROJECT ARBORIST, UNLESS OTHERWISE APPROVED BY PROJECT ARBORIST.
- SITE PREPARATION MUST INCLUDE THE REMOVAL OF VEGETATION, NON-COMPLYING FILL, TOPSOIL, OR OTHER UNSUITABLE MATERIAL PRIOR TO PLACEMENT OF FILL.

KEYED DEMOLITION NOTES:

- P. CONTRACTOR TO PROTECT EXISTING FEATURES THROUGHOUT DEMOLITION AND CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
- REMOVE EXISTING FENCE AND GATE
 - SAWCUT AND REMOVE EXISTING ASPHALT
 - EXISTING TREE PREVIOUSLY REMOVED UNDER SEPARATE PERMIT
 - REMOVE CURB

LEGEND

EXISTING GROUND CONTOUR (1 FT)	--- 204 ---
EXISTING GROUND CONTOUR (5 FT)	--- 205 ---
DISTURBANCE LIMITS	-----
ASPHALT TO BE REMOVED	[Hatched Box]
EXISTING ASPHALT	[Solid Grey Box]
TREE TO REMAIN	[Star Symbol]
TREE REMOVED UNDER SEPARATE PERMIT	[Star with X Symbol]
SAWCUT	-----

AKS DRAWING FILE: C030_DEMO.DWG | LAYOUT1: C030

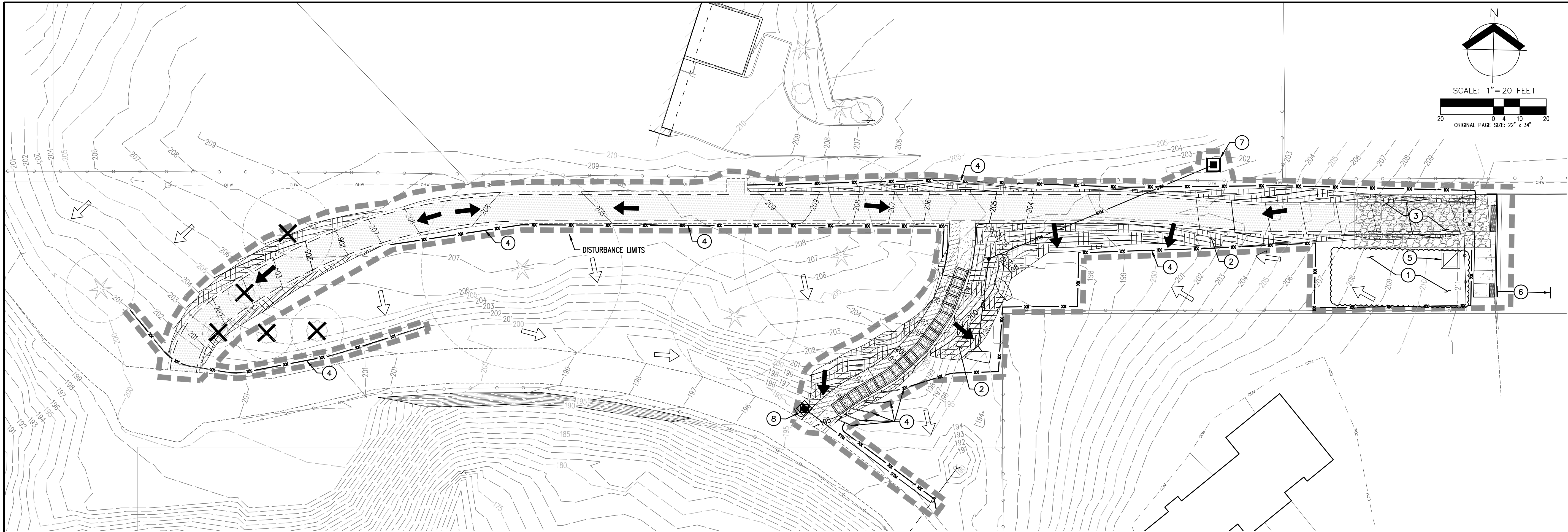
DESIGNED BY: AMC
 DRAWN BY: JAM/ECR
 MANAGED BY: AMC
 CHECKED BY: CEG
 DATE: 03/04/2024

REGISTERED PROFESSIONAL ENGINEER
 97708PE

OREGON
 SEPTEMBER 14, 2003
 AUSTIN MORGAN COLE
 RENEWS: DECEMBER 31, 2025

JOB NUMBER
9965

SHEET
C030



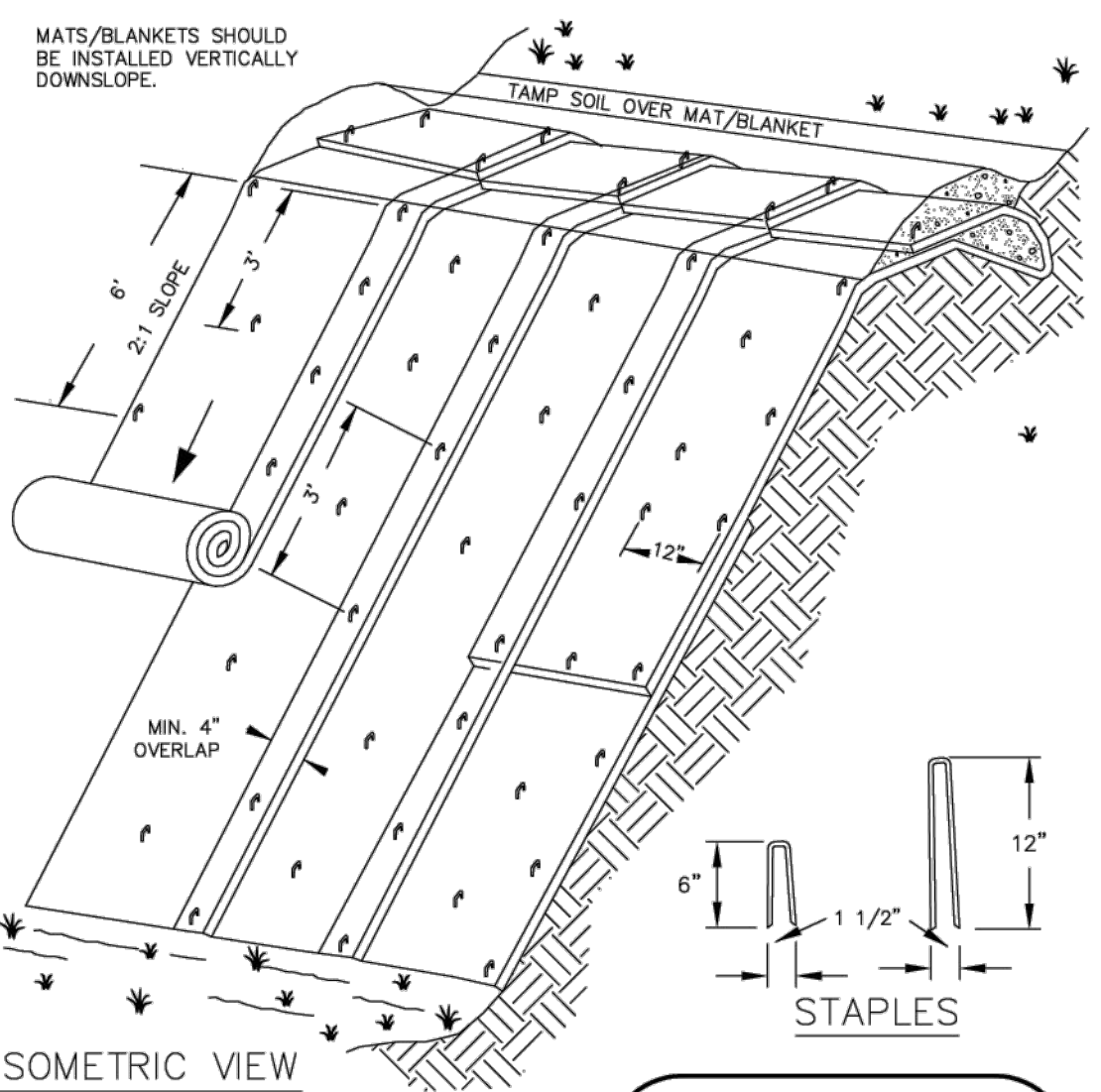
- NOTES:**
- WHEN RAINFALL AND RUNOFF OCCURS, A KNOWLEDGEABLE AND EXPERIENCED PERSON IN THE PRINCIPLES, PRACTICES, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS WHO WORKS FOR THE PERMITTEE MUST PROVIDE DAILY INSPECTIONS OF THE EROSION AND SEDIMENT CONTROLS AND DISCHARGE OUTFALLS.
 - CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND FROM OCTOBER 1 THROUGH MAY 31ST EACH YEAR.
 - DURING WET WEATHER PERIOD, TEMPORARY STABILIZATION OF THE SITE MUST OCCUR AT THE END OF EACH WORK DAY.
 - SEDIMENT CONTROLS MUST BE INSTALLED AND MAINTAINED ON ALL DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION. THEY MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS ESTABLISHED.
 - ALL ACTIVE INLETS MUST HAVE SEDIMENT CONTROLS INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
 - SIGNIFICANT AMOUNTS OF SEDIMENT THAT LEAVES THE SITE MUST BE CLEANED UP WITHIN 24 HOURS AND PLACED BACK ON THE SITE AND STABILIZED OR PROPERLY DISPOSED. THE CAUSE OF THE SEDIMENT RELEASE MUST BE FOUND AND PREVENTED FROM CAUSING A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIME FRAME.
 - SEDIMENT MUST NOT BE INTENTIONALLY WASHED INTO STORM SEWERS, DRAINAGE WAYS, OR WATER BODIES.
 - SEDIMENT MUST BE REMOVED FROM BEHIND ALL SEDIMENT CONTROL MEASURES WHEN IT HAS REACHED A HEIGHT OF 1/3-RD THE BARRIER HEIGHT AND PRIOR TO THE CONTROL MEASURES REMOVAL.
 - CLEANING OF ALL STRUCTURES WITH SUMPS MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY 50% AND AT COMPLETION OF PROJECT.
 - ANY USE OF TOXIC OR OTHER HAZARDOUS MATERIALS MUST INCLUDE PROPER STORAGE, APPLICATION, AND DISPOSAL.
 - THE PERMITTEE MUST PROPERLY MANAGE HAZARDOUS WASTES, USED OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE, OR OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION.
 - THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE MINIMIZED. TIME RELEASE FERTILIZERS SHOULD BE USED AND CARE SHOULD BE MADE IN APPLICATION OF FERTILIZERS WITHIN ANY WATER WAY RIPARIAN ZONE.
 - OWNER OR DESIGNATED PERSON SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES, IN ACCORDANCE WITH CURRENT CLEAN WATER SERVICES STANDARDS AND STATE, AND FEDERAL REGULATIONS.
 - PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BOUNDARIES OF THE CLEARING LIMITS, VEGETATED BUFFERS, AND ANY SENSITIVE AREAS SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED IN THE FIELD. UNLESS OTHERWISE APPROVED, NO DISTURBANCE IS PERMITTED BEYOND THE CLEARING LIMITS. THE OWNER/PERMITTEE MUST MAINTAIN THE DELINEATION FOR THE DURATION OF THE PROJECT. NOTE: VEGETATED CORRIDORS TO BE DELINEATED WITH ORANGE CONSTRUCTION FENCE OR APPROVED EQUIVALENT.
 - PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BMPS THAT MUST BE INSTALLED ARE GRAVEL CONSTRUCTION ENTRANCE, PERIMETER SEDIMENT CONTROL, AND INLET PROTECTION. THESE BMPS MUST BE MAINTAINED FOR THE DURATION OF THE PROJECT.
 - IF VEGETATIVE SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 1ST; THE TYPE AND PERCENTAGES OF SEED IN THE MIX ARE AS IDENTIFIED ON THE PLANS OR AS SPECIFIED BY THE DESIGN ENGINEER.
 - WATERTIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMPS; SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMAL SPILLAGE.
 - ALL PUMPING OF SEDIMENT LADEN WATER MUST BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP (I.E. FILTER BAG).
 - THE ESC PLAN MUST BE KEPT ONSITE. ALL MEASURES SHOWN ON THE PLAN MUST BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER A SURFACE WATER SYSTEM, ROADWAY, OR OTHER PROPERTIES.
 - THE ESC MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED TO MAINTAIN COMPLIANCE WITH ALL REGULATIONS.
 - WRITTEN ESC LOGS ARE SUGGESTED TO BE MAINTAINED ONSITE AND AVAILABLE TO DISTRICT INSPECTORS UPON REQUEST.
 - IN AREAS SUBJECT TO WIND EROSION, APPROPRIATE BMPS MUST BE USED, WHICH MAY INCLUDE THE APPLICATION OF FINE WATER SPRAYING, PLASTIC SHEETING, MULCHING, OR OTHER APPROVED MEASURES.
 - ALL EXPOSED SOILS MUST BE COVERED, AT END OF BUSINESS DAY, DURING WET WEATHER PERIOD, FROM OCTOBER 1 - MAY 31.

- GENERAL ESC NOTES:**
- PROTECT ALL EXISTING IMPROVEMENTS OUTSIDE OF LIMITS OF DISTURBANCE AREA SHOWN. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
 - REFER TO SHEET C051 FOR EROSION AND SEDIMENT CONTROL DETAILS.
- WET WEATHER CONSTRUCTION:**
 THESE EROSION AND SEDIMENT CONTROL PLANS ASSUME "DRY WEATHER" CONSTRUCTION. "WET WEATHER" CONSTRUCTION MEASURES NEED TO BE APPLIED BETWEEN OCTOBER 1ST AND MAY 31ST.
- TOTAL SITE DISTURBANCE**
 AREA = ±0.4 ACRES
- KEYED EROSION & SEDIMENT CONTROL NOTES:**
- STOCKPILING AND STAGING AREA WITH PLASTIC SHEETING PER CWS DRAWING NO. 810/C051
 - SURFACE ROUGHENING PER CWS DRAWING NO. 830/C051 AND INSTALL MATTING PER CWS DRAWING NO. 805/C051
 - INSTALL GRAVEL CONSTRUCTION ENTRANCE PER CWS DRAWING NO. 855/C051
 - INSTALL STRAW WATTLES PER CWS DRAWING NO. 880/C051
 - INSTALL CONCRETE WASHOUT PER CWS DRAWING NO. 900/C051
 - INSTALL INLET PROTECTION ON NEXT DOWNSTREAM INLET PER CWS DRAWING NO. 920/C051
 - INSTALL INLET PROTECTION PER CWS DRAWING NO. 920/C051
 - INSTALL INLET PROTECTION PER CWS DRAWING NO. 915/C051

EROSION CONTROL LEGEND

EXISTING GROUND CONTOUR (1 FT)	--- 204 ---
EXISTING GROUND CONTOUR (5 FT)	--- 205 ---
FINISHED GRADE CONTOUR (1 FT)	--- 204 ---
FINISHED GRADE CONTOUR (5 FT)	--- 205 ---
STRAW WATTLES (TO BE INSTALLED PRIOR TO GRADING)	--- x ---
DISTURBANCE LIMITS	--- x x x ---
INLET PROTECTION	□ ◆
CONCRETE WASHOUT AREA	□ ▽
DRAINAGE FLOW DIRECTION (PRE-DEVELOPMENT)	→
DRAINAGE FLOW DIRECTION (POST-DEVELOPED)	→
GRAVEL CONSTRUCTION ENTRANCE	▒
SURFACE ROUGHENING	▒
TREE TO BE REMOVED	☼ ✖
TREE TO REMAIN	☼ ✖

AKS DRAWING FILE: C050_ESC.DWG | LAYOUT: LAYOUT1



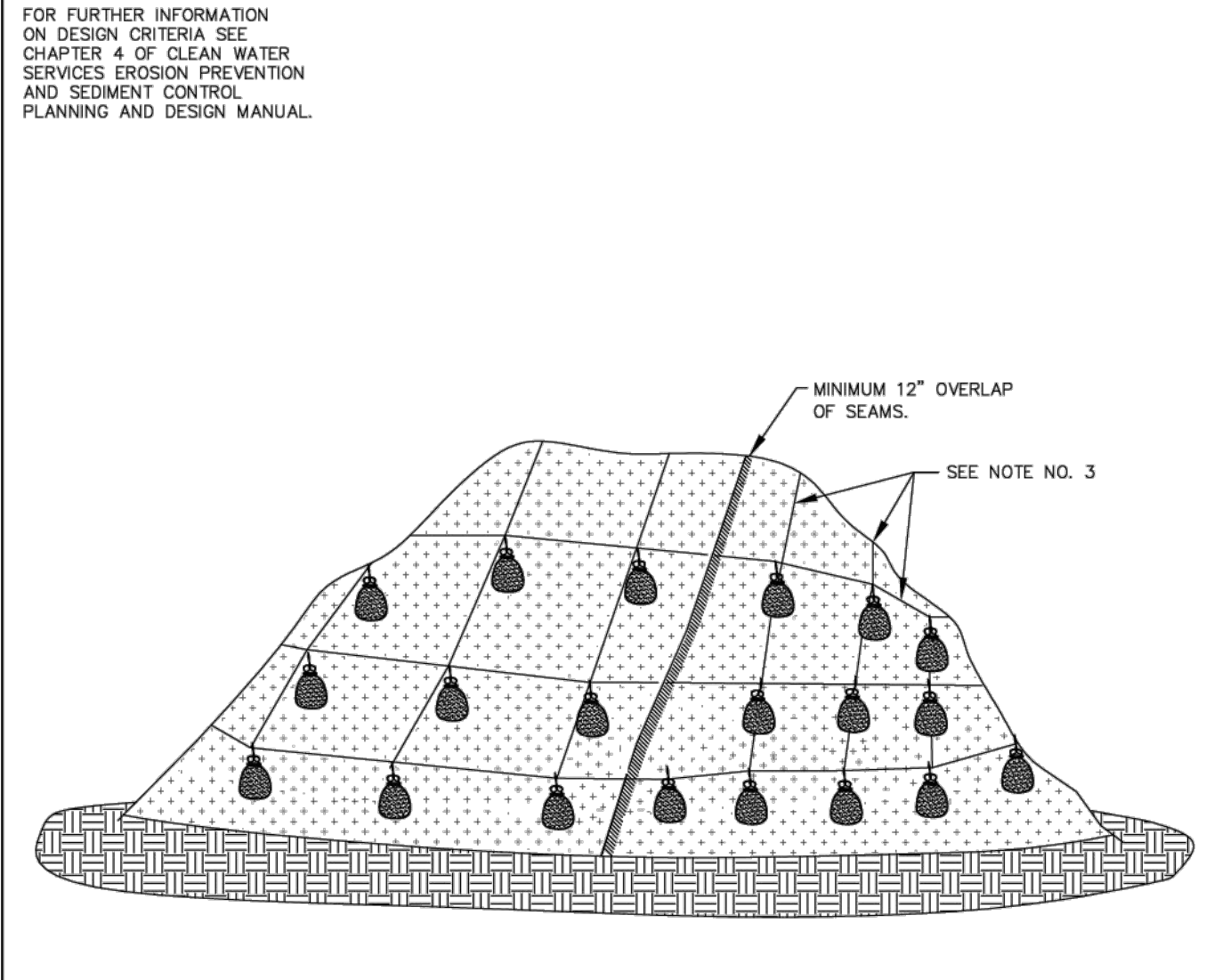
TYPICAL SLOPE SOIL STABILIZATION

- NOTES:
- SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 - APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
 - LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
 - STAKING OR STAPLING LAYOUT PER MANUFACTURERS SPECIFICATIONS.

MATTING SLOPE INSTALLATION



DRAWING NO. 805 REVISED 10-31-19



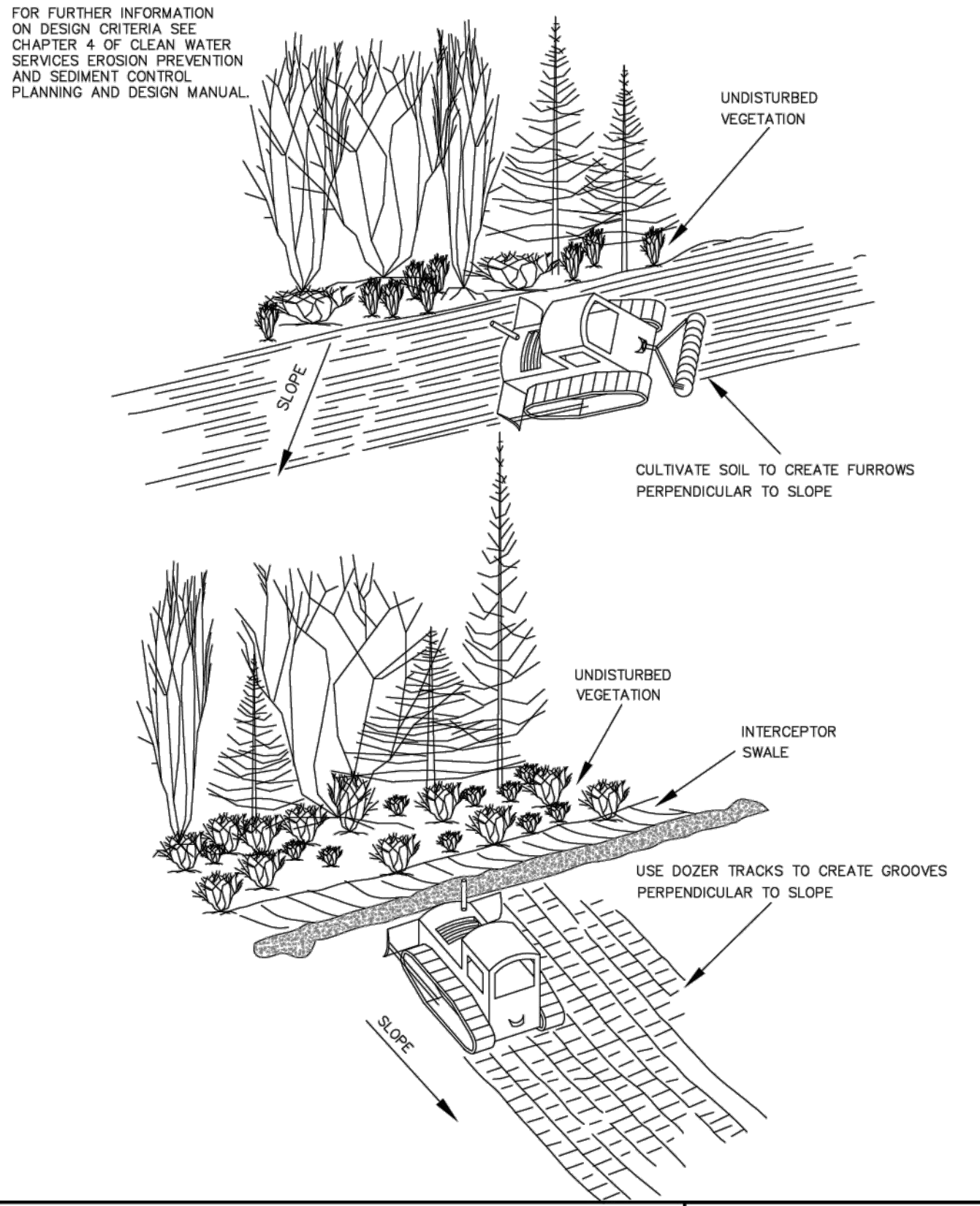
PLASTIC SHEETING

- NOTES:
- MINIMUM 12" OVERLAP OF ALL SEAMS REQUIRED.
 - PERIMETER SEDIMENT CONTROL BMP TO BE INSTALLED A MINIMUM OF 3' FROM TOE OF STOCKPILE.
 - COVERING MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR APPROVED EQUAL ON ROPES WITH A MAXIMUM 10' GRID SPACING IN ALL DIRECTIONS.
 - PLASTIC TO EXTEND MINIMUM 1' BEYOND TOE OF SLOPE.
 - AS APPROPRIATE, BMP'S SHALL BE INSTALLED TO CONVEY WATER DISCHARGE FROM STOCKPILE AREAS.

PLASTIC SHEETING

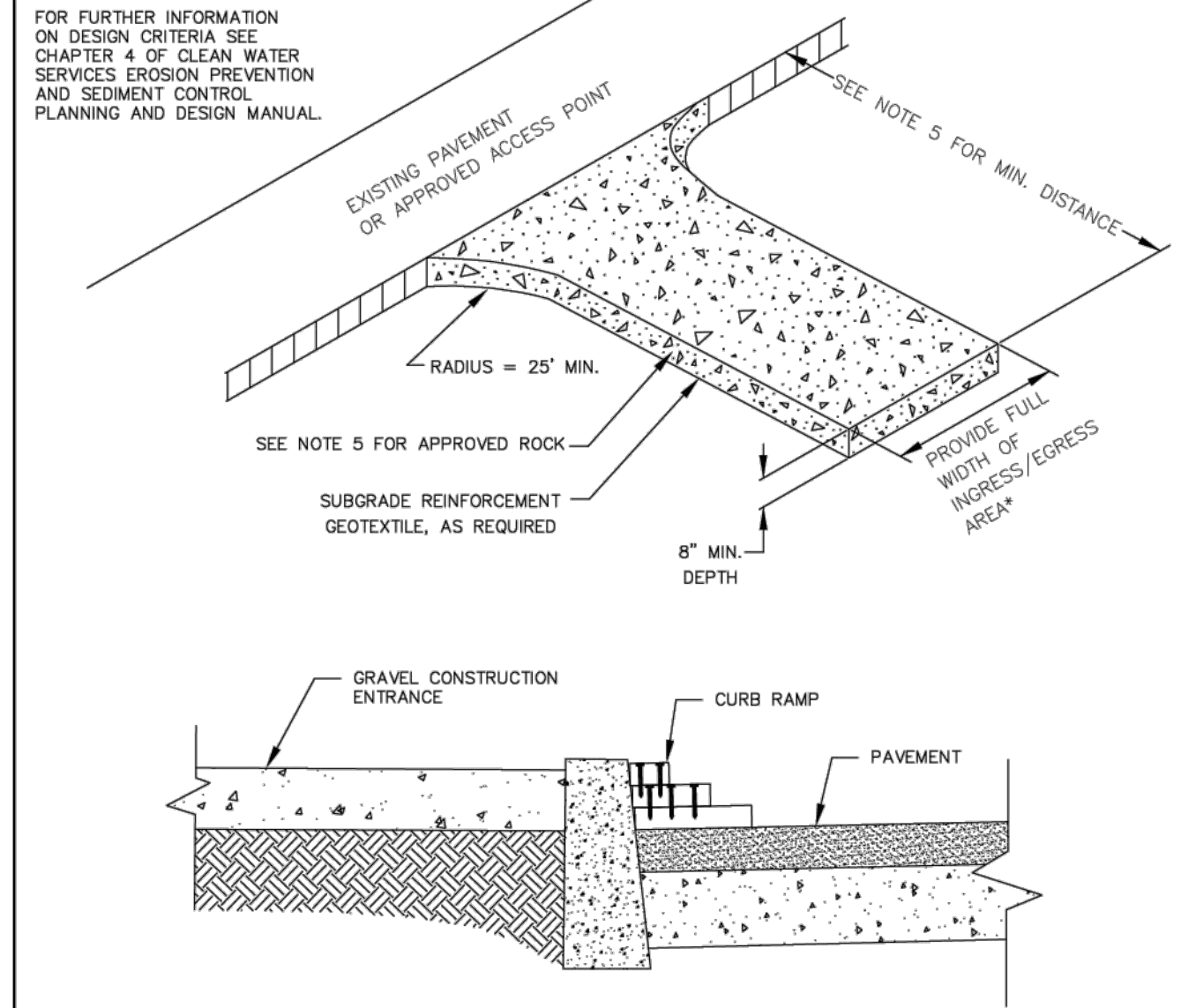


DRAWING NO. 810 REVISED 10-31-19



SURFACE ROUGHENING CAT TRACKING

DRAWING NO. 830 REVISED 10-31-19

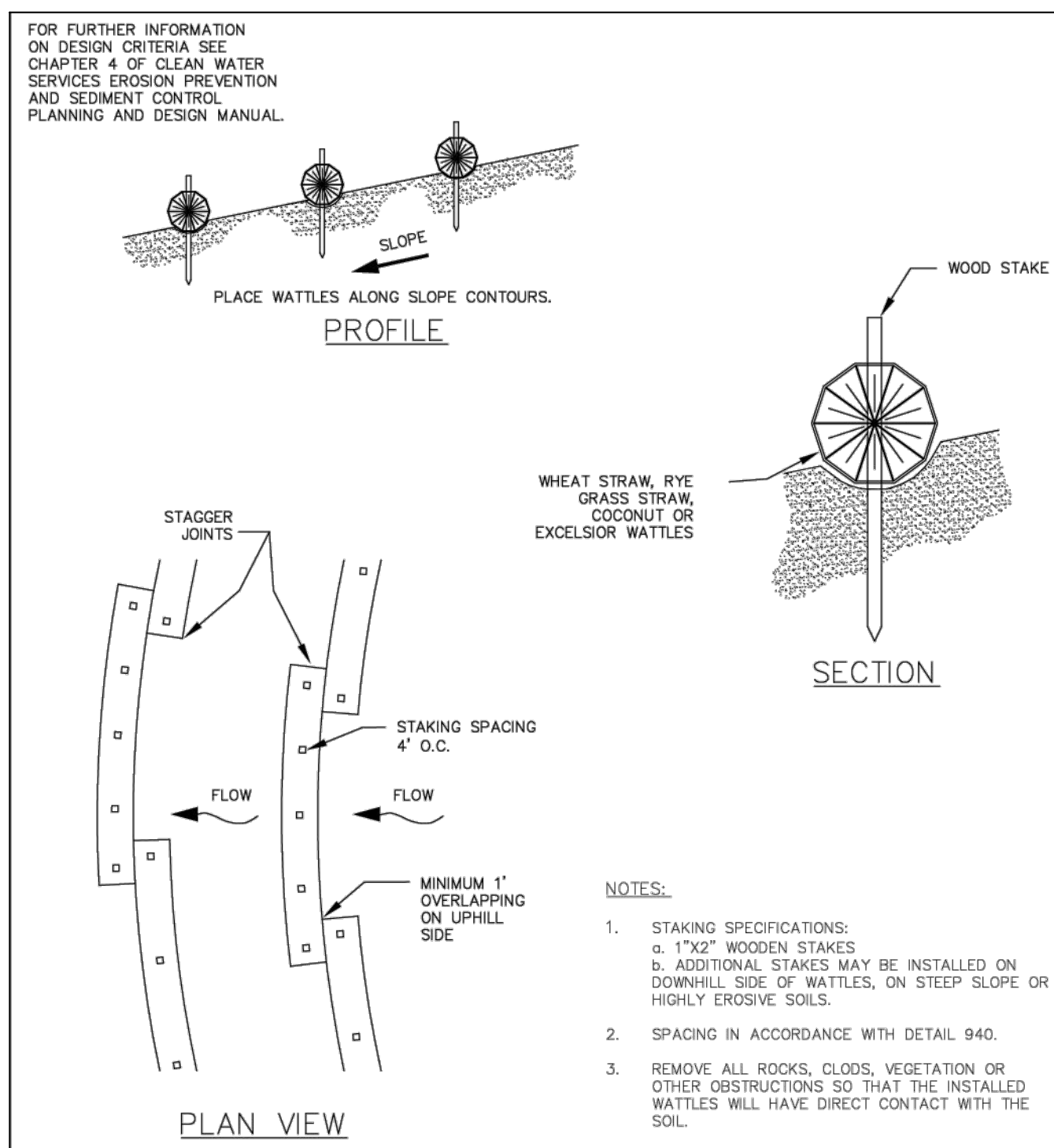


- NOTES:
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
 - WHERE RUNOFF CONTAINING SEDIMENT LADEN WATER IS LEAVING THE SITE VIA THE CONSTRUCTION ENTRANCE, OTHER MEASURES SHALL BE IMPLEMENTED TO DIVERT RUNOFF THROUGH AN APPROVED FILTERING SYSTEM.
 - DIMENSIONS: SINGLE FAMILY: 20' LONG BY 20' WIDE 8" DEEP OF 3/4" MINUS CLEAN ROCK. COMMERCIAL/SITE DEVELOPMENT: 50' LONG BY 20' WIDE 3-6" CLEAN ROCK, GOVERNING AUTHORITY MAY REQUIRE GEOTEXTILE FABRIC TO PREVENT SUB-SOIL PUMPING.

CONSTRUCTION ENTRANCE



DRAWING NO. 855 REVISED 10-31-19

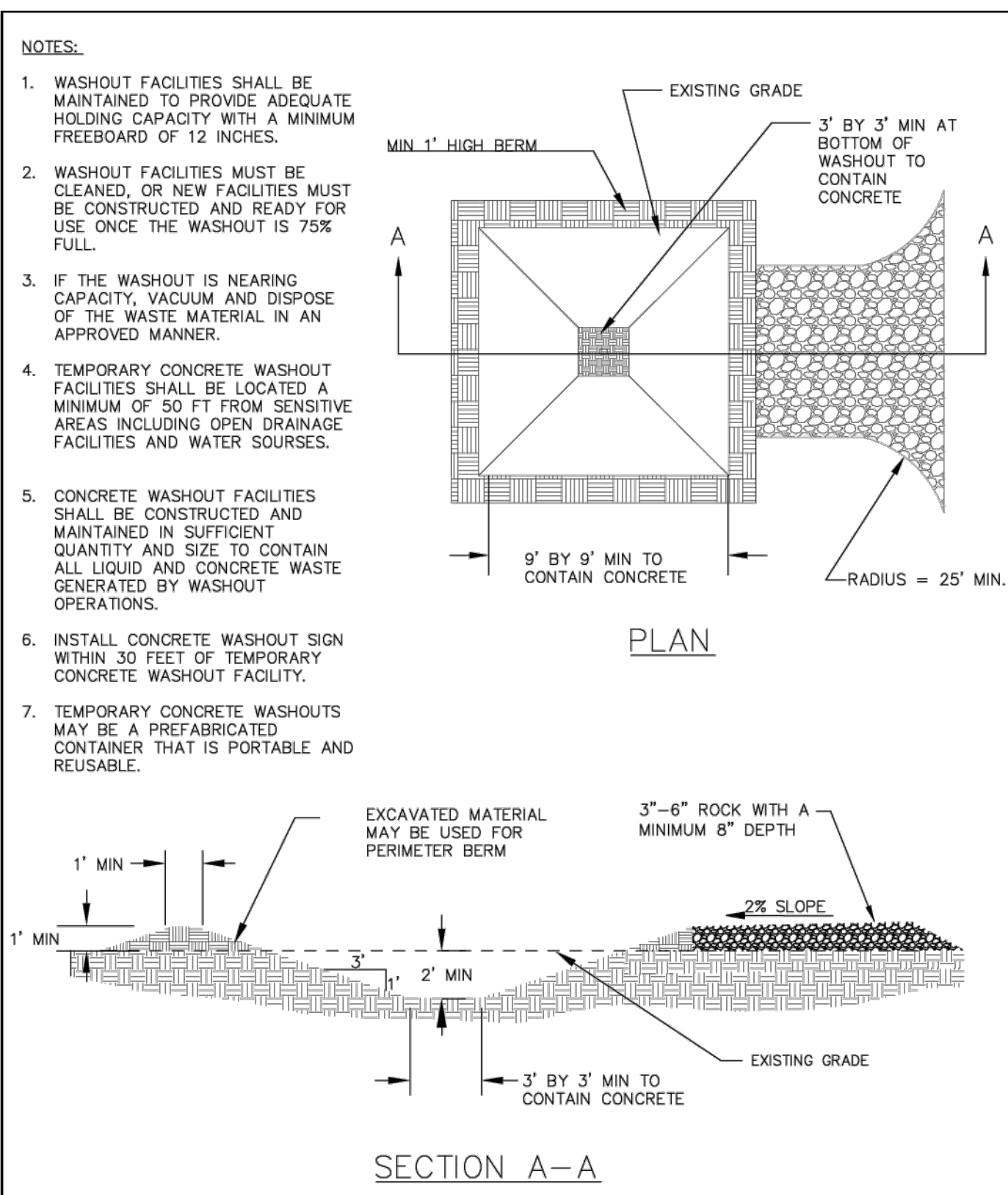


- NOTES:
- STAKING SPECIFICATIONS: a. 1"x2" WOODEN STAKES b. ADDITIONAL STAKES MAY BE INSTALLED ON DOWNHILL SIDE OF WATTLES, ON STEEP SLOPE OR HIGHLY ERODIVE SOILS.
 - SPACING IN ACCORDANCE WITH DETAIL 940.
 - REMOVE ALL ROCKS, CLODS, VEGETATION OR OTHER OBSTRUCTIONS SO THAT THE INSTALLED WATTLES WILL HAVE DIRECT CONTACT WITH THE SOIL.
 - INSTALL THE WATTLES IN A 2" DEEP TRENCH, INSURING THAT NO GAPS EXIST BETWEEN THE SOIL AND THE BOTTOM OF THE WATTLE. THE ENDS OF ADJACENT WATTLES SHALL BE OVERLAPPED 1 FT. MINIMUM TO PREVENT SEDIMENT PASSING THROUGH THE FIELD JOINT.

WATTLES



DRAWING NO. 880 REVISED 10-31-19

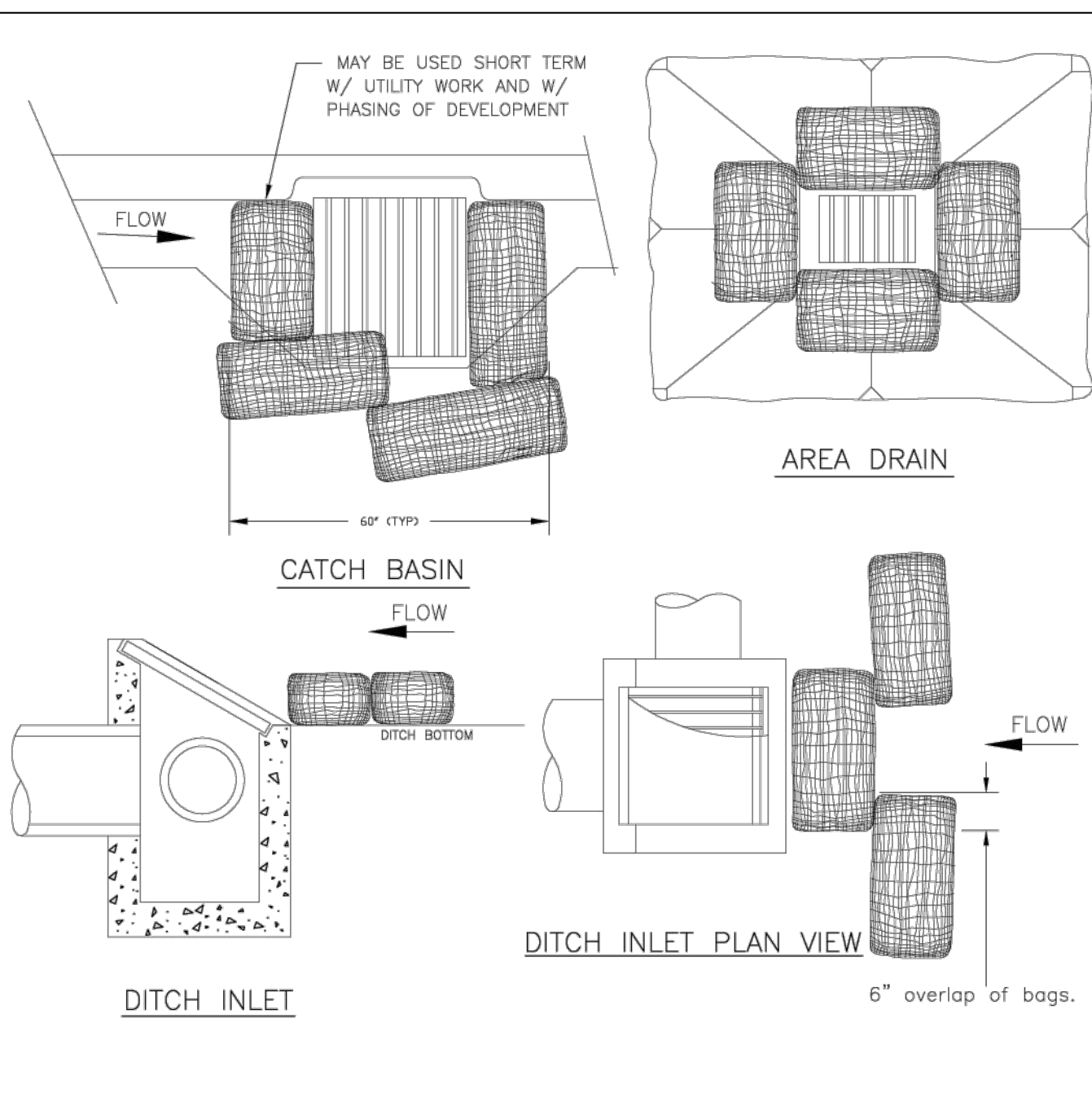


- NOTES:
- WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 12 INCHES.
 - WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
 - IF THE WASHOUT IS NEARING CAPACITY, VACUUM AND DISPOSE OF THE WASTE MATERIAL IN AN APPROVED MANNER.
 - TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE LOCATED A MINIMUM OF 50 FT FROM SENSITIVE AREAS INCLUDING OPEN DRAINAGE FACILITIES AND WATER SOURCES.
 - CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
 - INSTALL CONCRETE WASHOUT SIGN WITHIN 30 FEET OF TEMPORARY CONCRETE WASHOUT FACILITY.
 - TEMPORARY CONCRETE WASHOUTS MAY BE A PREFABRICATED CONTAINER THAT IS PORTABLE AND REUSABLE.

CONCRETE WASHOUT



DRAWING NO. 900 REVISED 10-31-19

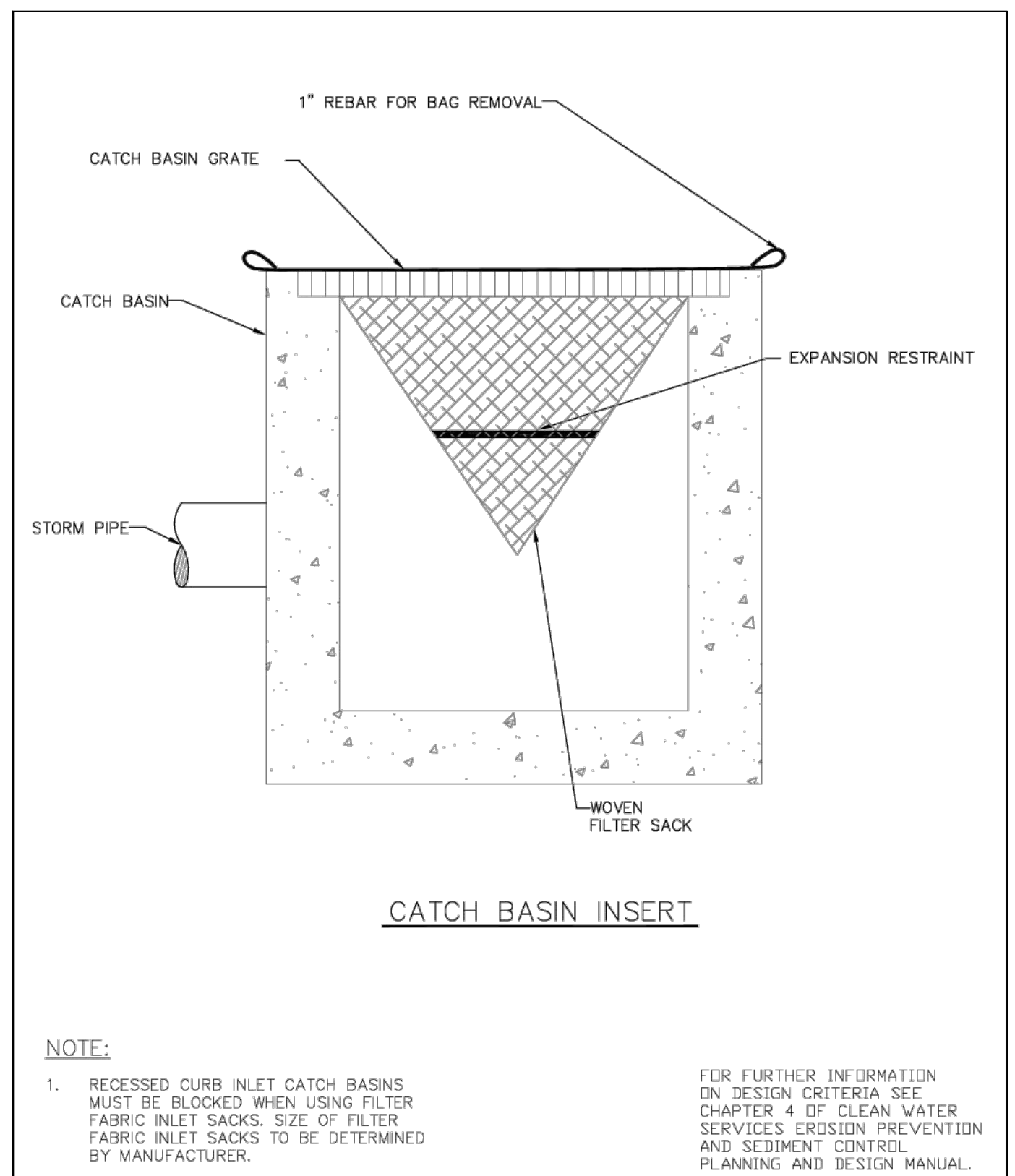


- NOTES:
- ADDITIONAL MEASURES MUST BE CONSIDERED DEPENDING ON SOIL TYPES.
 - BIO-FILTER BAGS SHOULD BE STAKED WHERE APPLICABLE USING (2) 1"x2" WOODEN STAKES OR APPROVED EQUAL PER BAG.
 - WHEN USING 30" BIO-BAGS TO PROTECT A CATCH BASIN YOU HAVE 4 BAGS AND THEY SHALL BE OVERLAPPED BY 6".
- FOR FURTHER INFORMATION IN DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

INLET PROTECTION TYPE 4



DRAWING NO. 915 REVISED 10-31-19



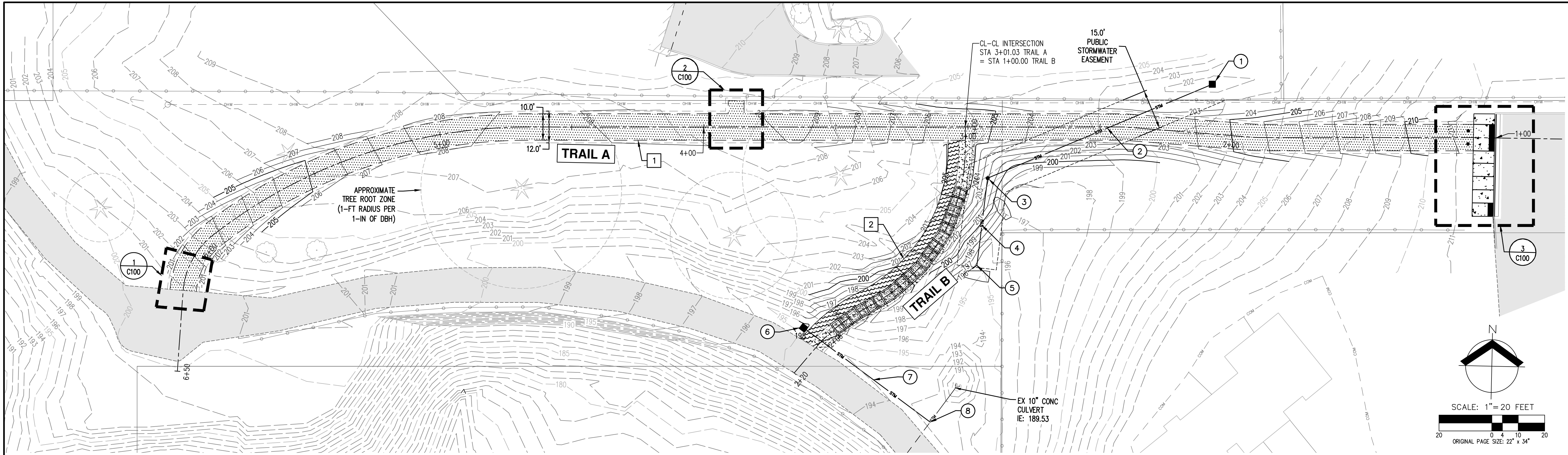
- NOTE:
- RECESSED CURB INLET CATCH BASINS MUST BE BLOCKED WHEN USING FILTER FABRIC INLET SACKS. SIZE OF FILTER FABRIC INLET SACKS TO BE DETERMINED BY MANUFACTURER.
- FOR FURTHER INFORMATION IN DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

INLET PROTECTION TYPE 5



DRAWING NO. 920 REVISED 10-31-19

AKS DRAWING FILE: C050_ESG_DETAILS.DWG | LAYOUT: LAYOUT1



KEYED STORM NOTES:

- | | |
|--|---|
| 1. INSTALL AREA DRAIN PER DETAIL 5/C500
RIM: ±201.5 IE OUT (6"SW): 198.00 | 5. DAYLIGHT PIPE TO DISCHARGE
IE OUT: ±196.0 |
| 2. INSTALL 6" PVC
S: 0.016 FT/FT L: 92.2 LF | 6. INSTALL DITCH INLET PER CWS DRAWING NO. 390 & 400/C501
RIM: ±194.5 IE OUT (8"): 191.50 |
| 3. INSTALL CLEANOUT PER DETAIL 6/C500
RIM ±202.3 IE: 196.53 | 7. INSTALL 8" PVC
S: 0.053 FT/FT L: 58.6 LF |
| 4. INSTALL 6" PVC
S: 0.016 FT/FT L: 33.2 LF | 8. CONNECT TO EXISTING 10" CONCRETE PIPE WITH INSERTA TEE
IE (8"): ±188.4 IE (10"): ±188.3 |

KEYED SITE NOTES:

- AC TRAIL CROSS-SECTION PER DETAIL 1/C102.
- GRAVEL/BARK CHIP TRAIL CROSS-SECTION PER DETAIL 1/C104.
- CONSTRUCT DRIVEWAY PER COS DETAIL RD-42/C501.
- CONSTRUCT CURB-TIGHT SIDEWALK PER COS DETAIL RD-26/C501.
- CONSTRUCT FLUSH CURB AND GUTTER SIMILAR TO COS DETAIL RD-22/C501.
- INSTALL DETECTABLE WARNING SURFACE PER DETAIL 3/C500.
- INSTALL BOLLARD PER DETAIL 2/C500.

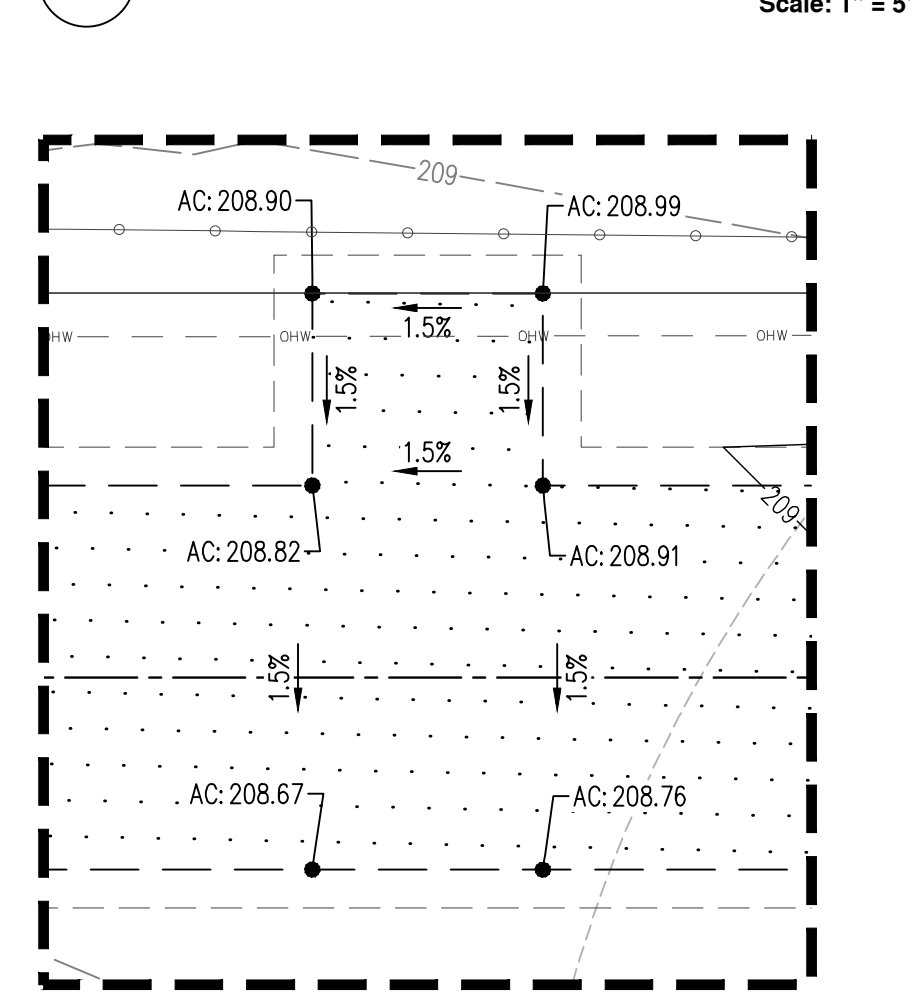
GRADING LEGEND

EXISTING GROUND CONTOUR (1 FOOT)	- - - - - 208
EXISTING GROUND CONTOUR (5 FOOT)	- - - - - 210
FINISHED GRADE CONTOUR (1 FOOT)	————— 208
FINISHED GRADE CONTOUR (5 FOOT)	————— 210
EDGE OF ASPHALT	AC:XXX.X
FINISHED GRADE ELEVATION	FG:XXX.X
EDGE OF SIDEWALK	SW:XXX.X
BOTTOM OF CURB ELEVATION	BC:XXX.X
EDGE OF GUTTER PAN	GUT:XXX.X
EXISTING BOTTOM OF CURB ELEVATION	[BC:XXX.X]
EXISTING GRADE	[AC:XXX.X]

SITE LEGEND

ASPHALT TRAIL (EXISTING)	
ASPHALT TRAIL (NEW)	
BARK CHIP SHOULDER	
GRAVEL TRAIL	
BOX STEPS	
CONCRETE SIDEWALK/DRIVEWAY	

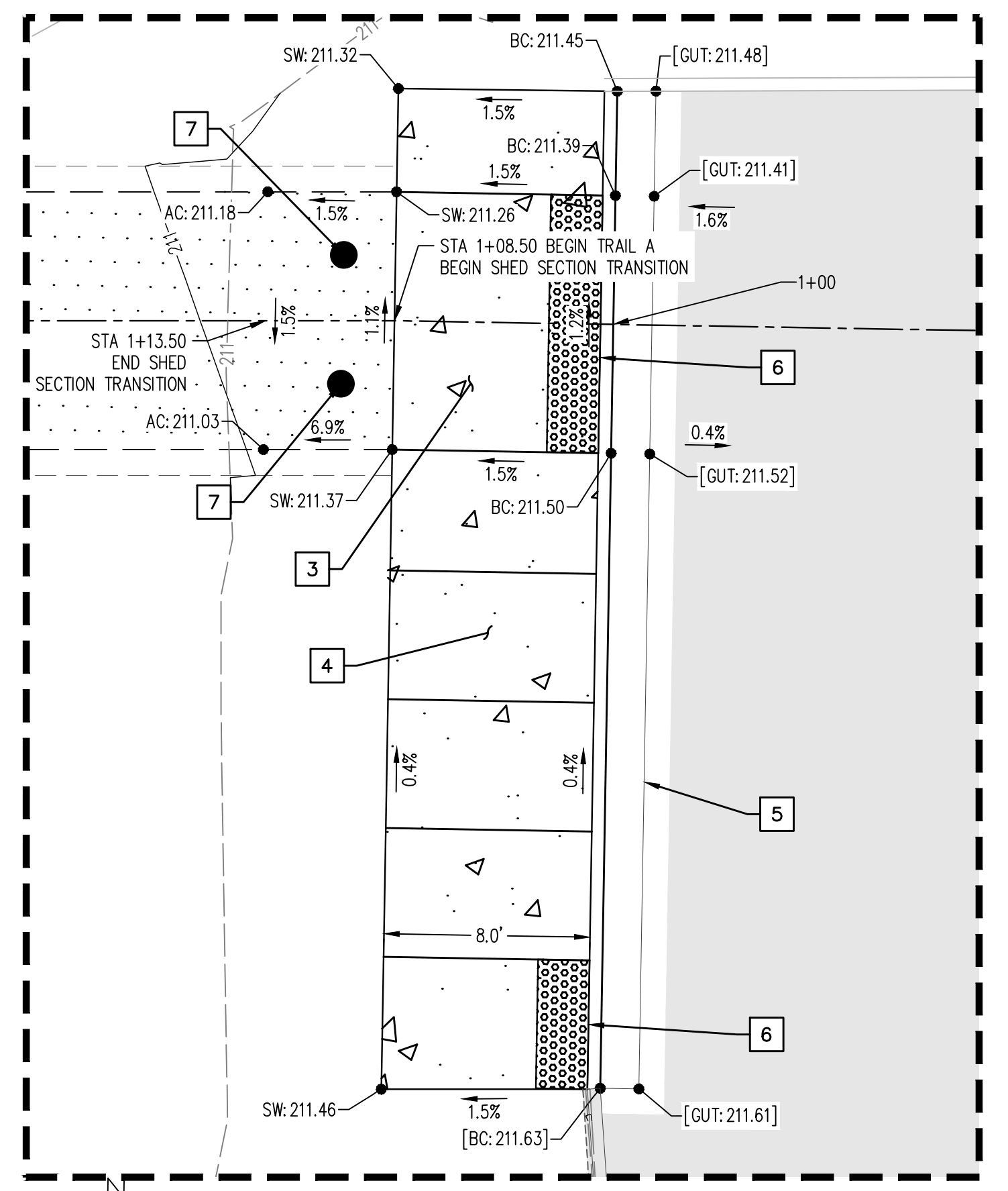
1 TRAIL A CONNECTION DETAIL
 Scale: 1" = 5'



2 PATH CONNECTION DETAIL
 Scale: 1" = 5'



3 DRIVEWAY DETAIL
 Scale: 1" = 5'



AKS DRAWING FILE: C100 SITE PLANNING LAYOUT LAYOUT1

TRAIL A PLAN & PROFILE

DESIGNED BY: AMC
 DRAWN BY: JAM/ECR
 MANAGED BY: AMC
 CHECKED BY: CEG
 DATE: 03/04/2024

REGISTERED PROFESSIONAL
 ENGINEER
 97708PE
 OREGON
 SEPTEMBER 14, 2007
 AUSTIN MORGAN COLE
 RENEWS: DECEMBER 31, 2025

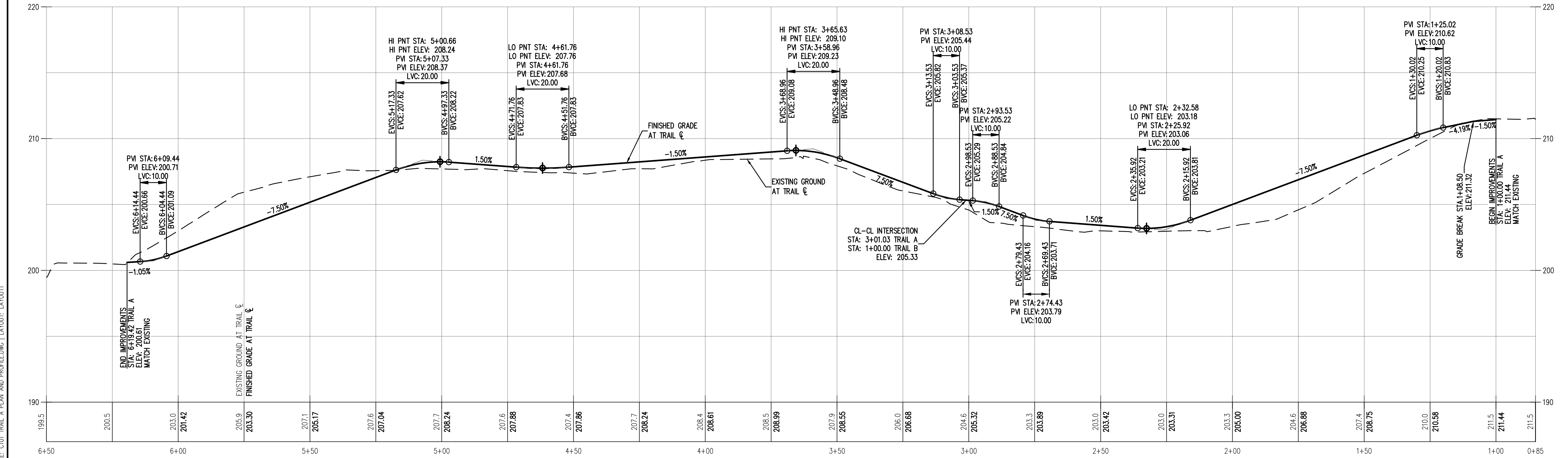
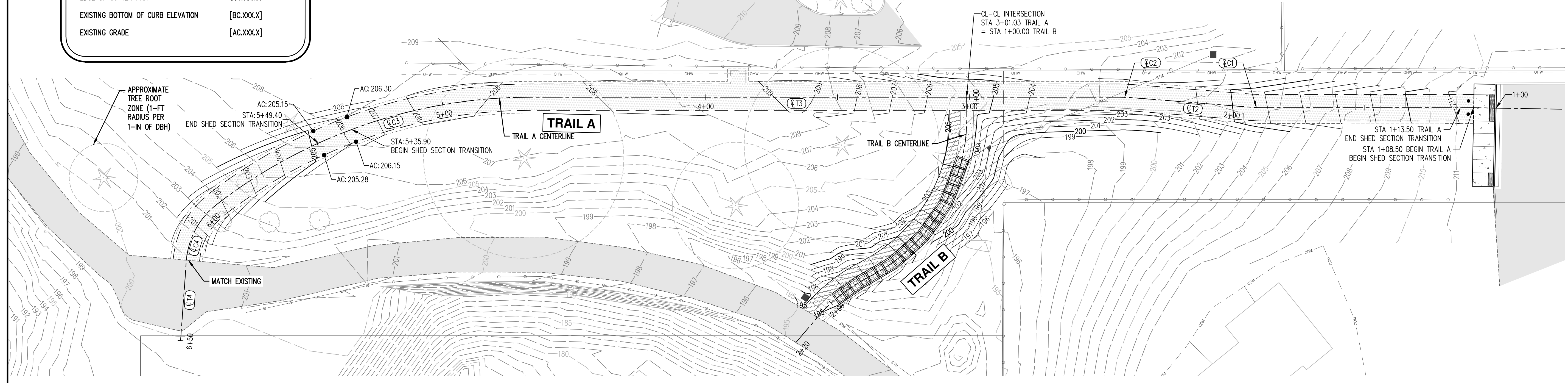
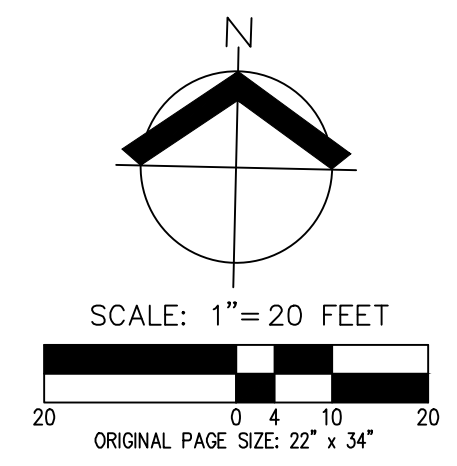
REVISIONS

JOB NUMBER
9965

SHEET
C101

GRADING LEGEND	
EXISTING GROUND CONTOUR (1 FOOT)	---208---
EXISTING GROUND CONTOUR (5 FOOT)	---210---
FINISHED GRADE CONTOUR (1 FOOT)	---208---
FINISHED GRADE CONTOUR (5 FOOT)	---210---
EDGE OF ASPHALT	AC:XXX.X
FINISHED GRADE ELEVATION	FG:XXX.X
EDGE OF SIDEWALK	SW:XXX.X
BOTTOM OF CURB ELEVATION	BC:XXX.X
EDGE OF GUTTER PAN	GUT:XXX.X
EXISTING BOTTOM OF CURB ELEVATION	[BC.XXX.X]
EXISTING GRADE	[AC.XXX.X]

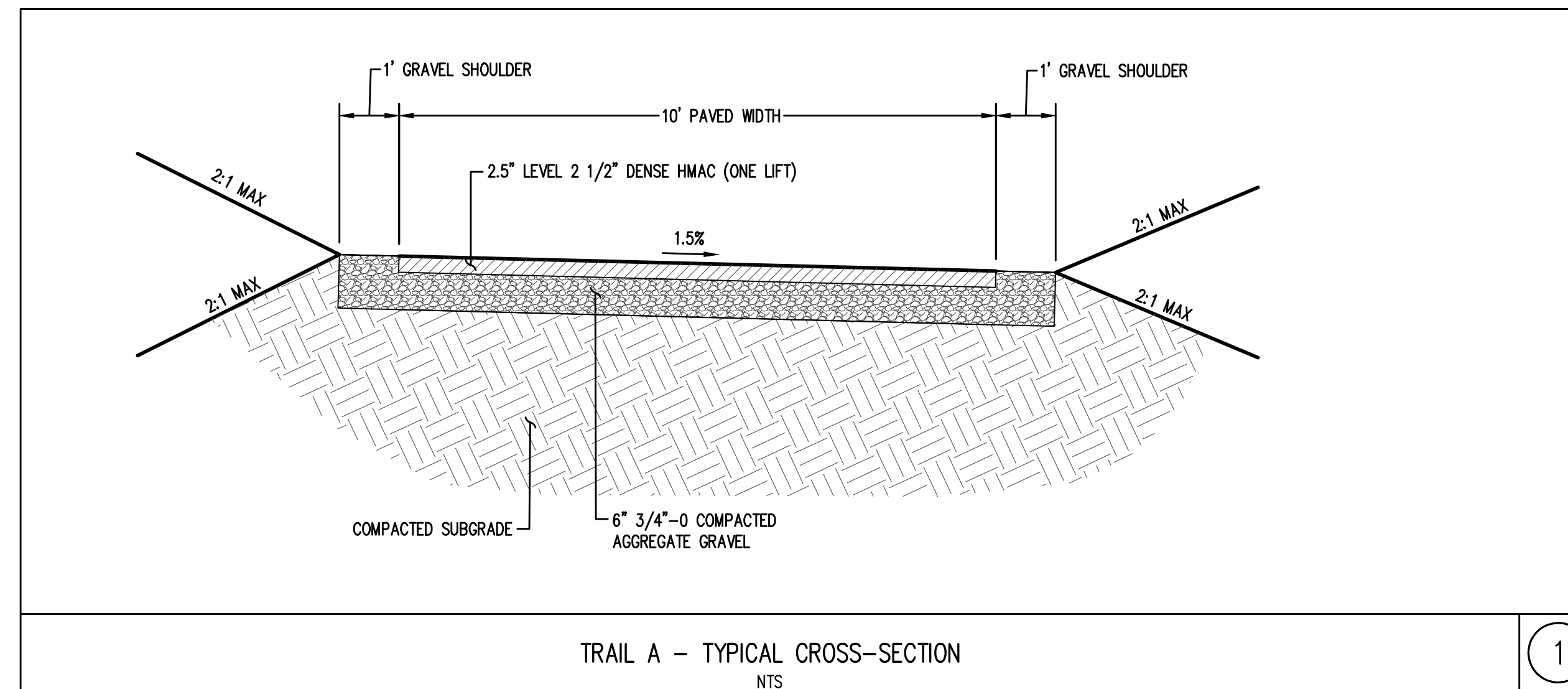
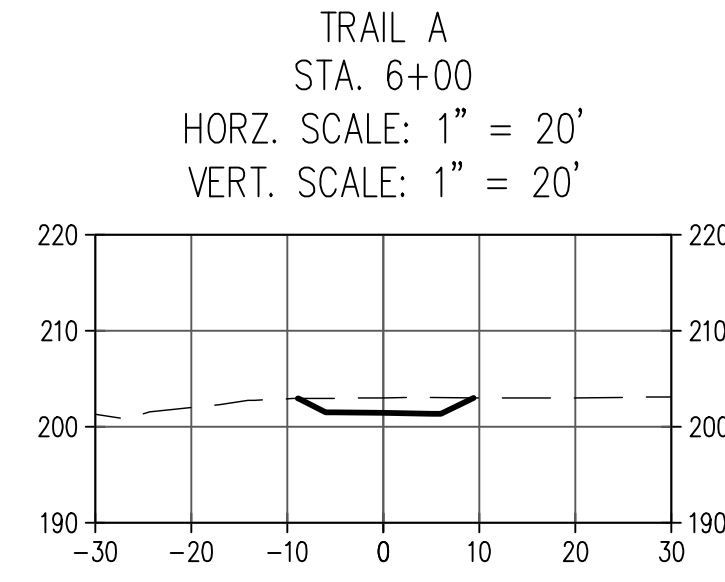
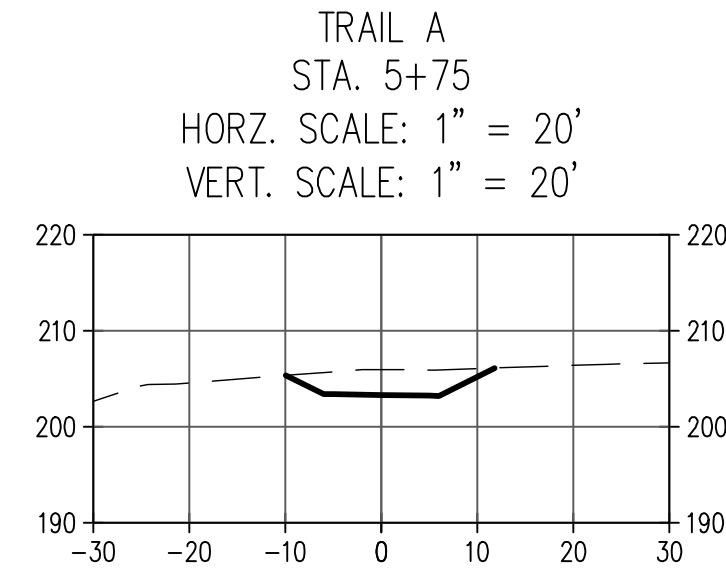
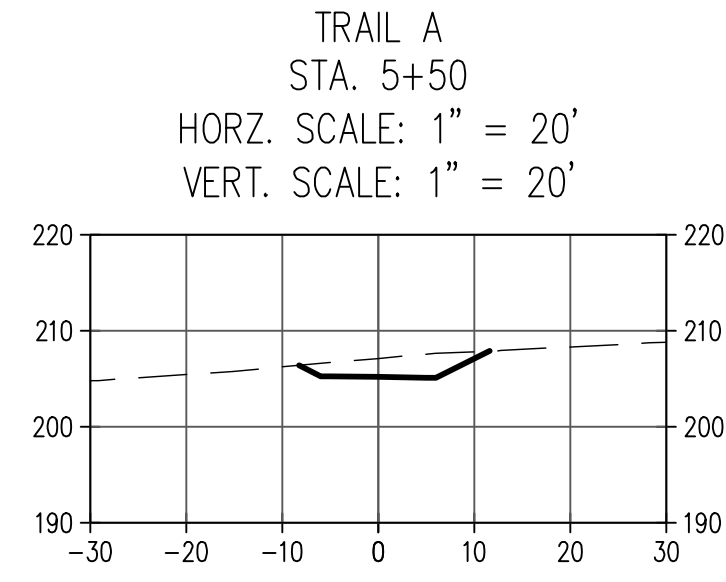
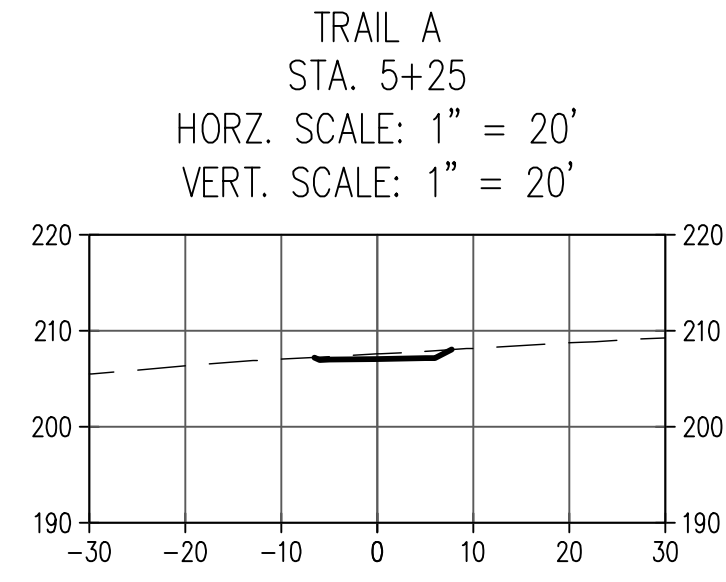
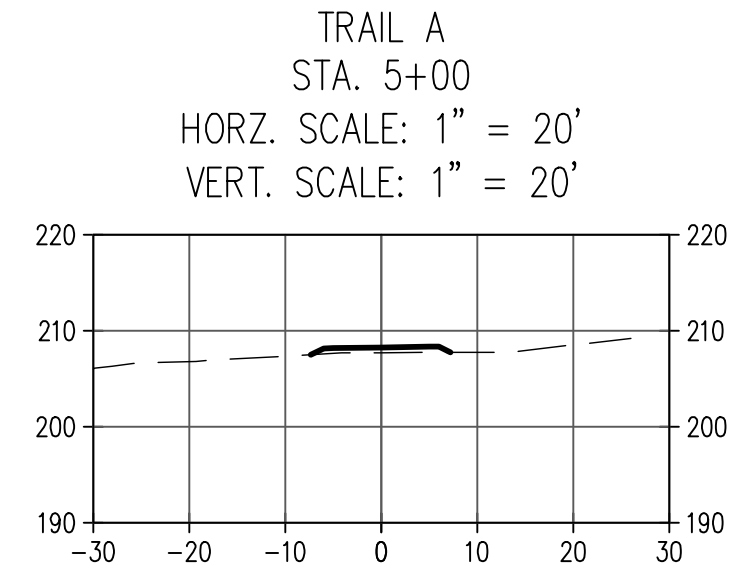
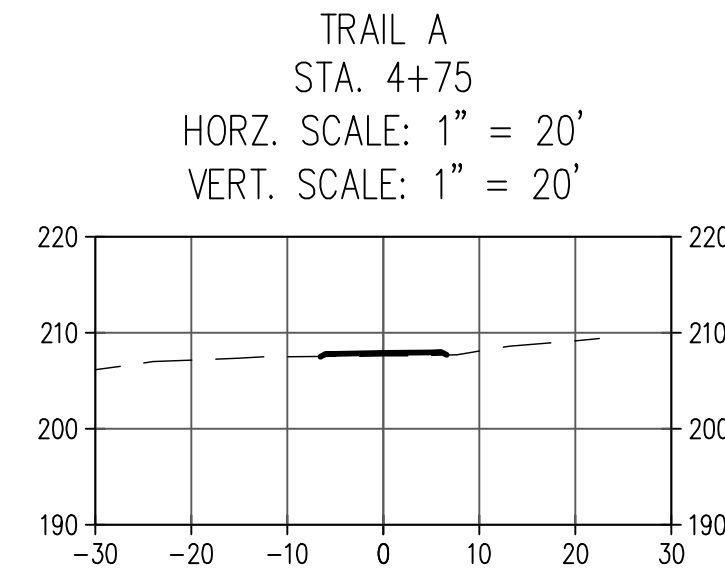
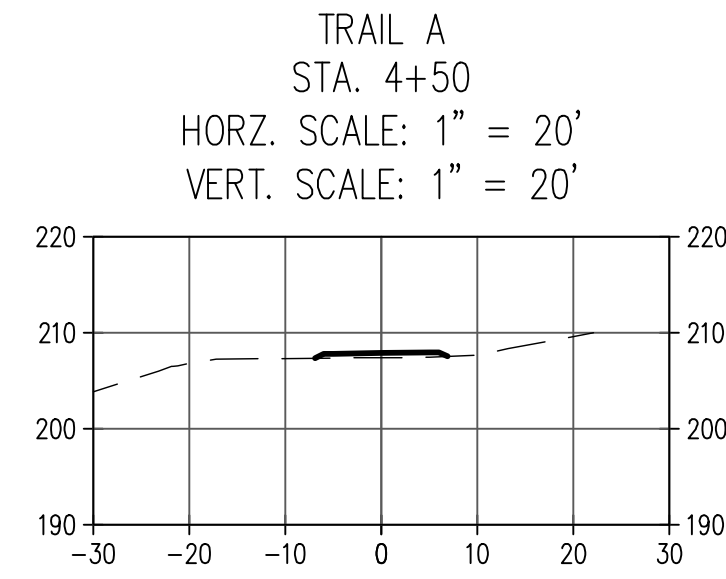
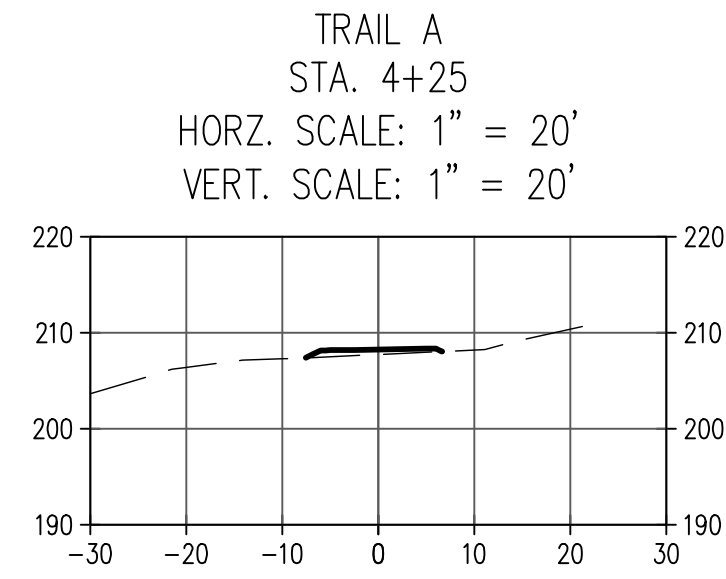
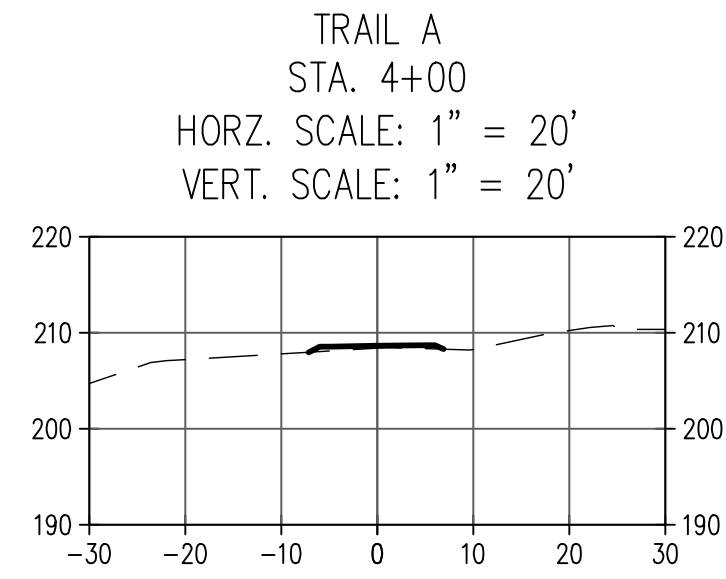
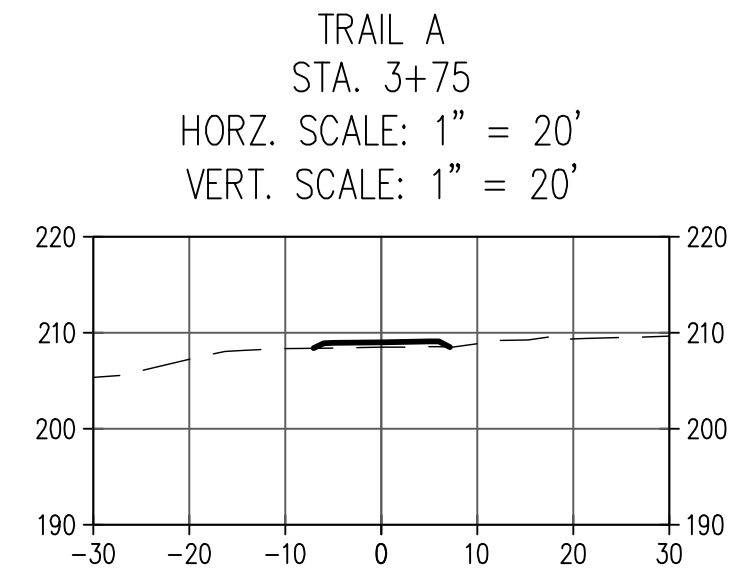
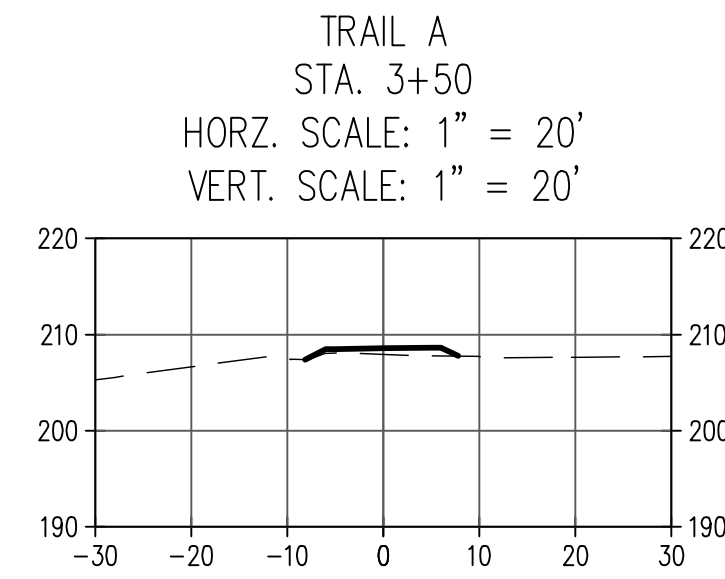
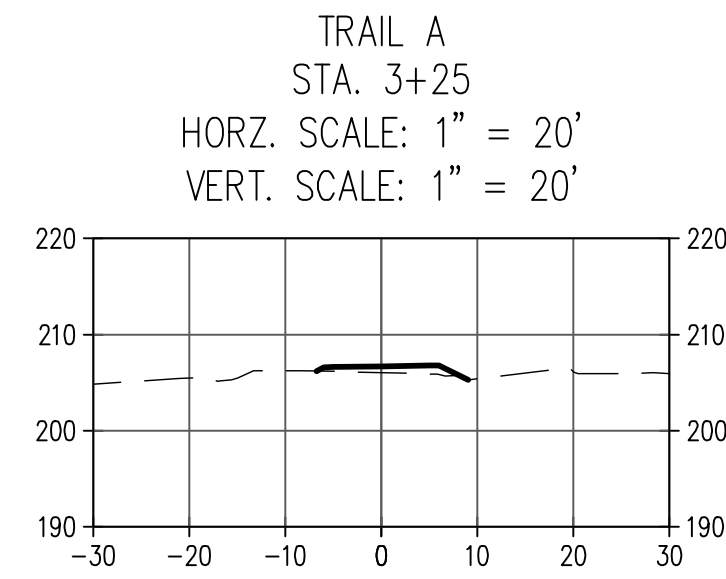
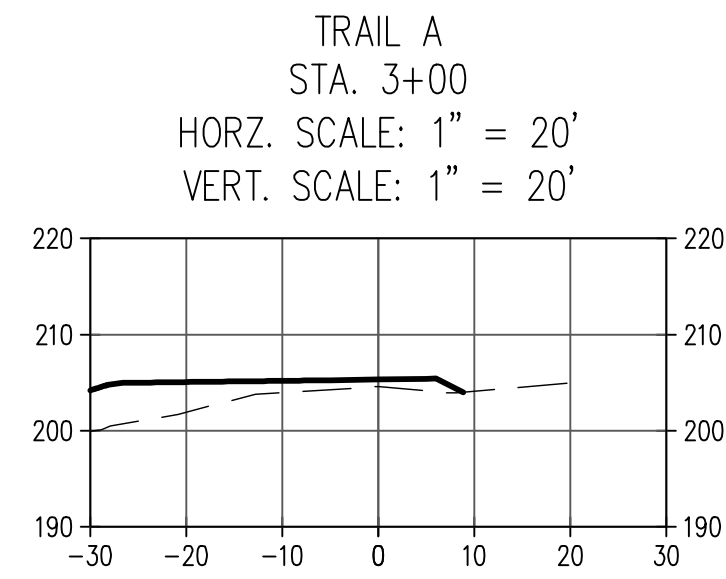
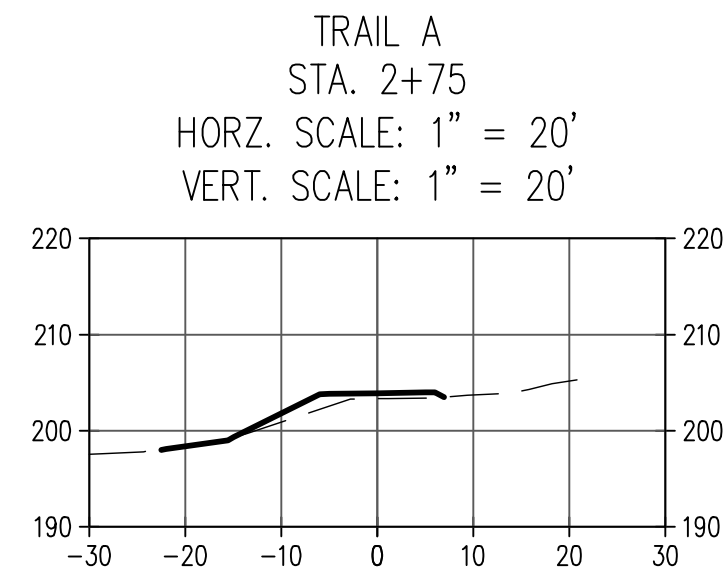
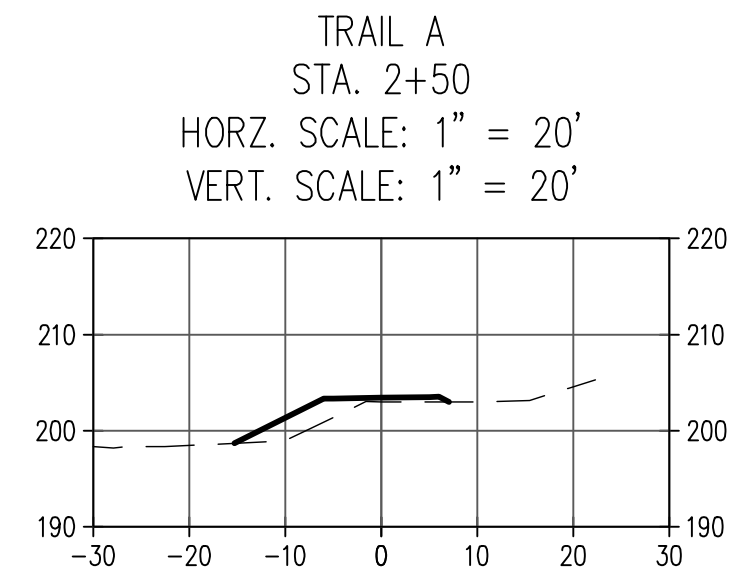
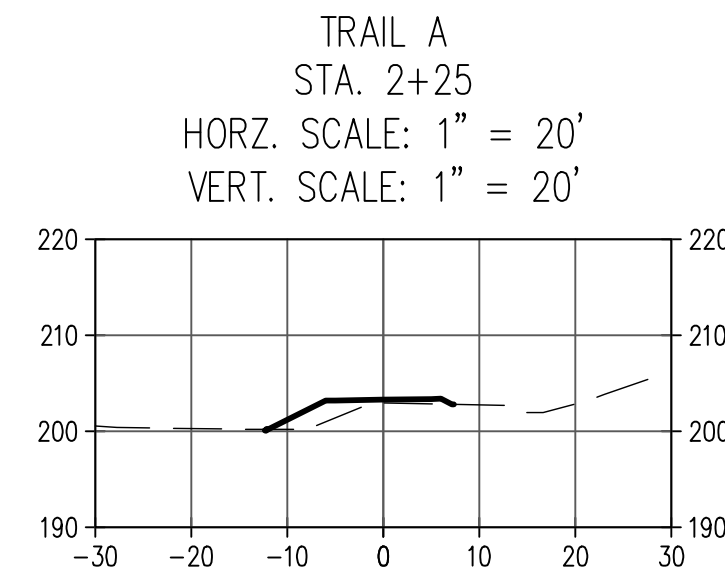
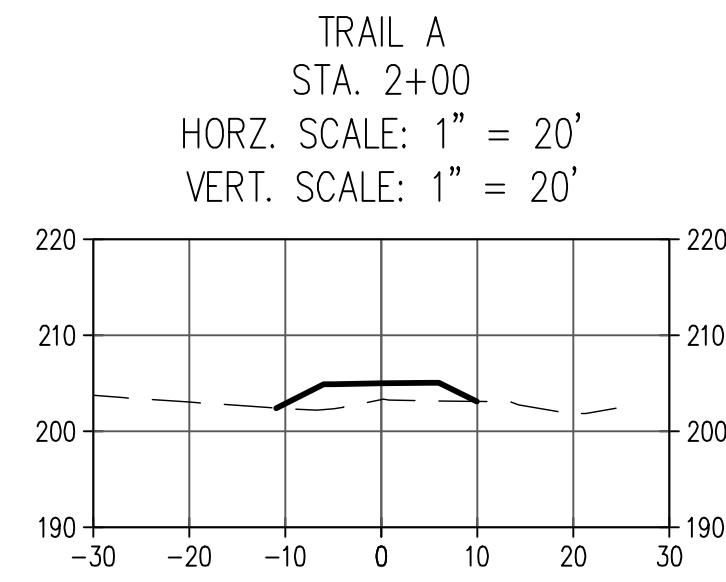
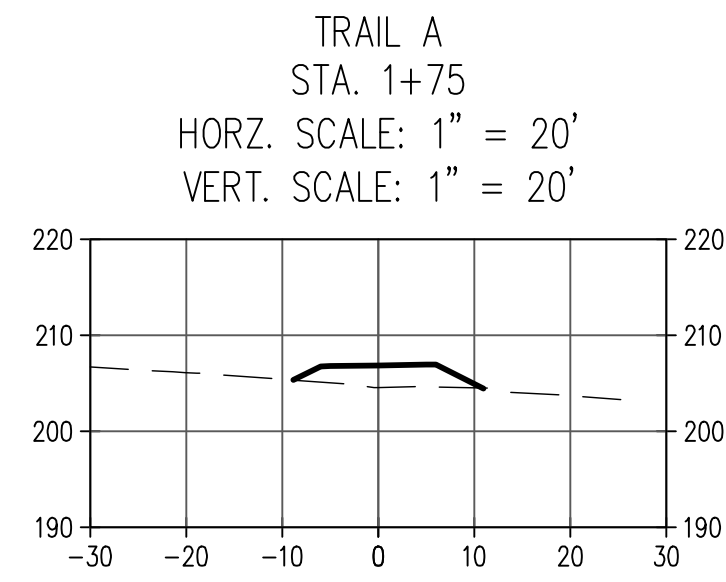
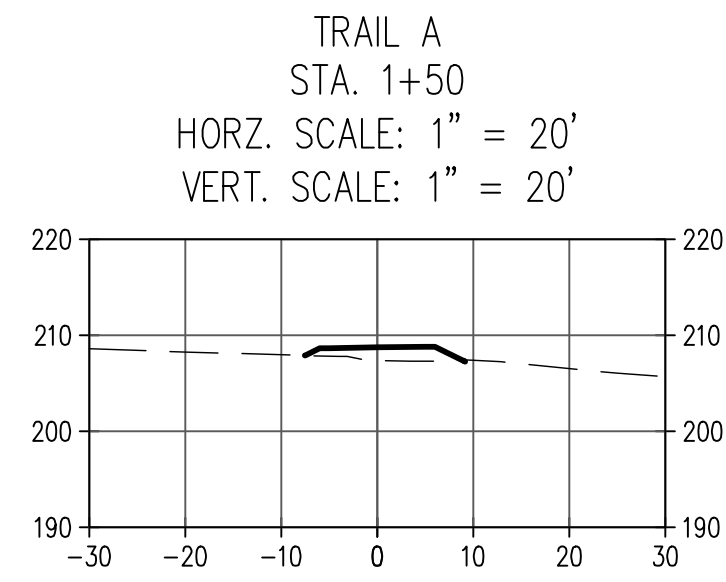
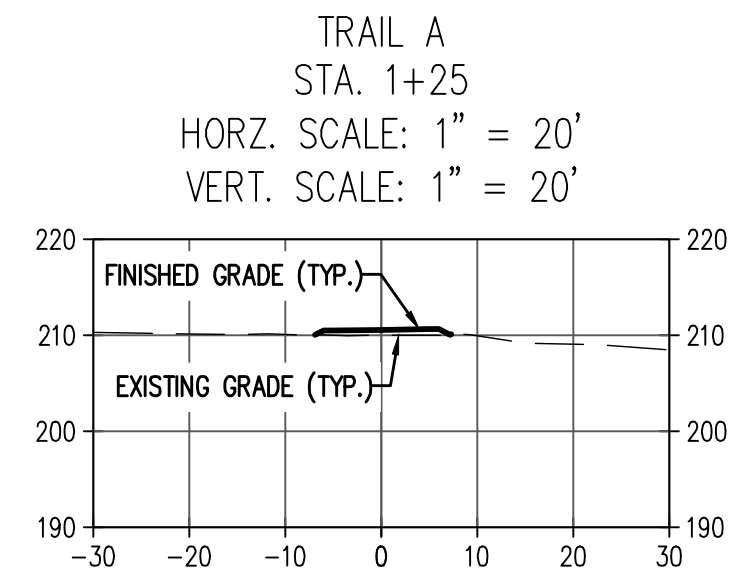
TRAIL A ALIGNMENT TABLE							
CURVE/TANGENT	START STATION	RADIUS	LENGTH	DELTA	CHORD	TANGENT/CHORD BEARING	END STATION
QC1	1+88.91	50.00'	3.99'	4°34'29"	3.99'	N88°57'32"W	1+92.91
QC2	1+92.91		46.25'			N86°40'17"W	2+39.16
QC3	2+39.16	48.00'	3.83'	4°34'20"	3.83'	N88°57'28"W	2+42.99
QC4	2+42.99		223.39'			S88°45'22"W	4+66.38
QC5	4+66.38	195.00'	128.21'	37°40'22"	125.92'	S69°55'12"W	5+94.59
QC6	5+94.59	30.00'	25.25'	48°13'20"	24.51'	S26°58'21"W	6+19.84
QC7	6+19.84		30.20'			S02°51'41"W	6+50.04



AKS DRAWING FILE: C101 TRAIL A PLAN AND PROFILE.DWG | LAYOUT: LAYOUT1

TRAIL A
 HORZ. SCALE: 1" = 20'
 VERT. SCALE: 1" = 4'

AKS DRAWING FILE: C101 TRAIL A CROSS SECTIONS.DWG | LAYOUT: LAYOUT1



AKS
 AKS ENGINEERING & FORESTRY, LLC
 12065 SW HERMAN RD. STE 100
 TUALATIN, OR 97062
 503.563.6151
 WWW.AKS-ENG.COM

ENGINEERING - SURVEYING - NATURAL RESOURCES
 FORESTRY - PLANNING - LANDSCAPE ARCHITECTURE

CEDAR CREEK GREENWAY
FEEDER TRAIL
SHERWOOD
 OREGON
 WASHINGTON COUNTY ASSESSOR'S TAX MAP 251328B
 TAX LOT 100

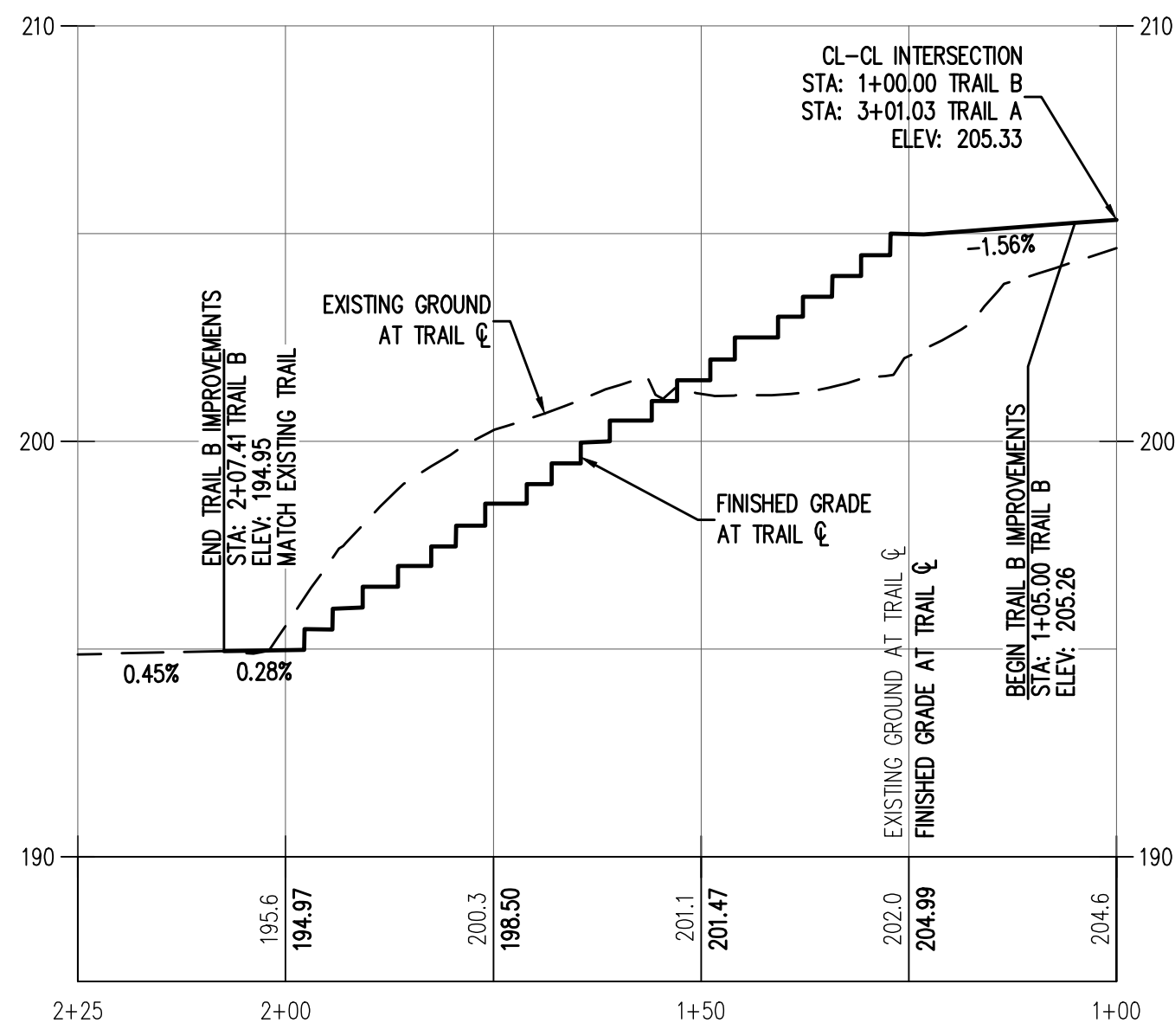
TRAIL A CROSS-SECTIONS

DESIGNED BY: AMC
 DRAWN BY: JAM/ECR
 MANAGED BY: AMC
 CHECKED BY: CEG
 DATE: 03/04/2024



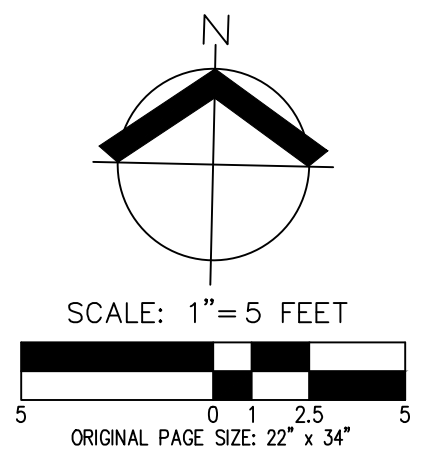
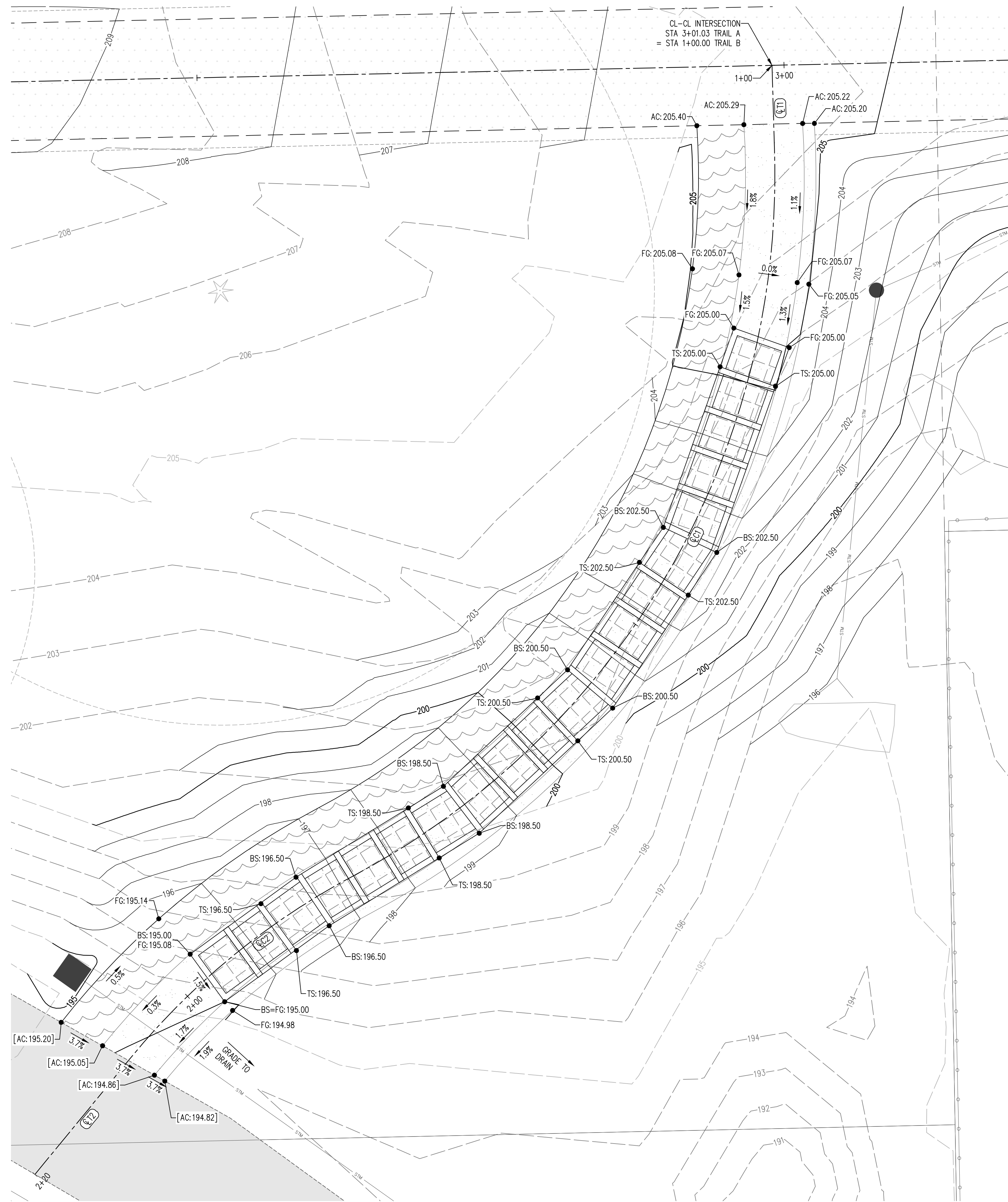
REVISIONS

JOB NUMBER
9965
 SHEET
C102



TRAIL B
 HORZ. SCALE: 1" = 20'
 VERT. SCALE: 1" = 4'

TRAIL B ALIGNMENT TABLE							
CURVE/TANGENT	START STATION	RADIUS	LENGTH	DELTA	CHORD	TANGENT/CHORD BEARING	END STATION
Q T1	1+00.00		7.34'			S01°42'32"E	1+07.34
Q C1	1+07.34	67.50'	75.13'	63°46'27"	71.31'	S30°10'41"W	1+82.47
Q C2	1+82.47	62.50'	24.73'	22°40'03"	24.57'	S50°43'53"W	2+07.20
Q T2	2+07.20		12.77'			S39°23'52"W	2+19.97



AKS DRAWING FILE: C102 TRAIL B PLAN AND PROFILE.DWG | LAYOUT: LAYOUT1

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 AKS ENGINEERING & FORESTRY, LLC
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 TUALATIN, OR 97062
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ENGINEERING - SURVEYING - NATURAL RESOURCES
 FORESTRY - PLANNING - LANDSCAPE ARCHITECTURE

**CEDAR CREEK GREENWAY
 FEEDER TRAIL**

OREGON
 SHERWOOD
 WASHINGTON COUNTY ASSESSOR'S TAX MAP 251328B
 TAX LOT 100

TRAIL B PLAN & PROFILE

DESIGNED BY: AMC
 DRAWN BY: JAM/ECR
 MANAGED BY: AMC
 CHECKED BY: CEG
 DATE: 03/04/2024

REGISTERED PROFESSIONAL
 ENGINEER
 97708PE

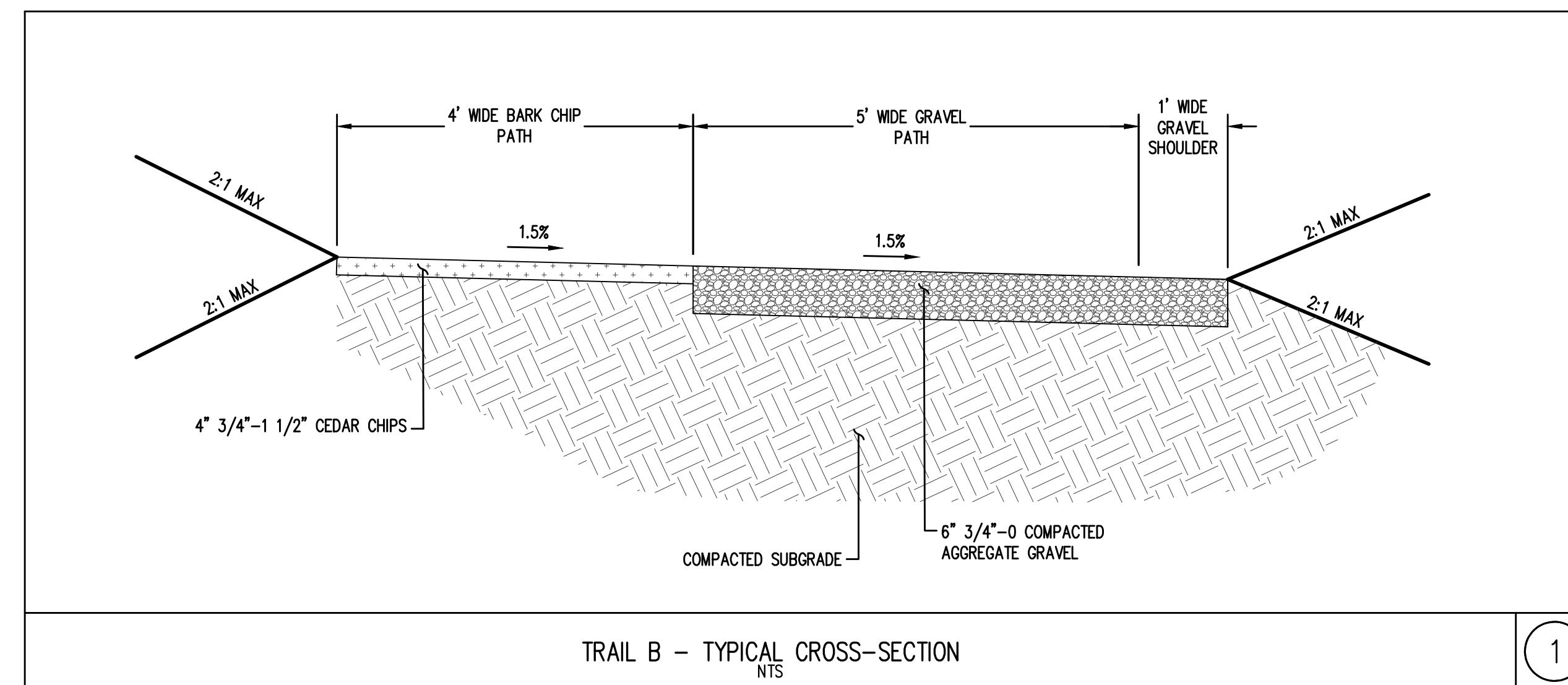
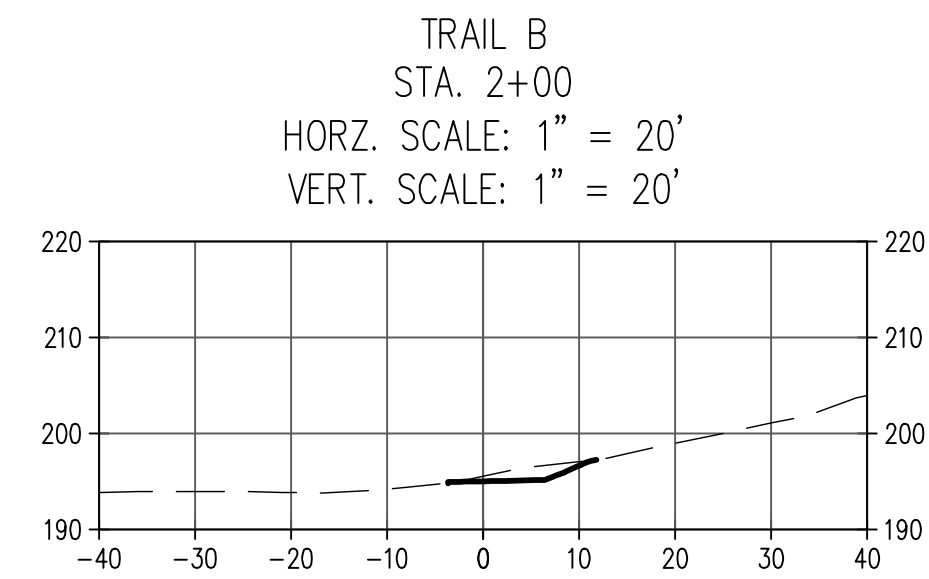
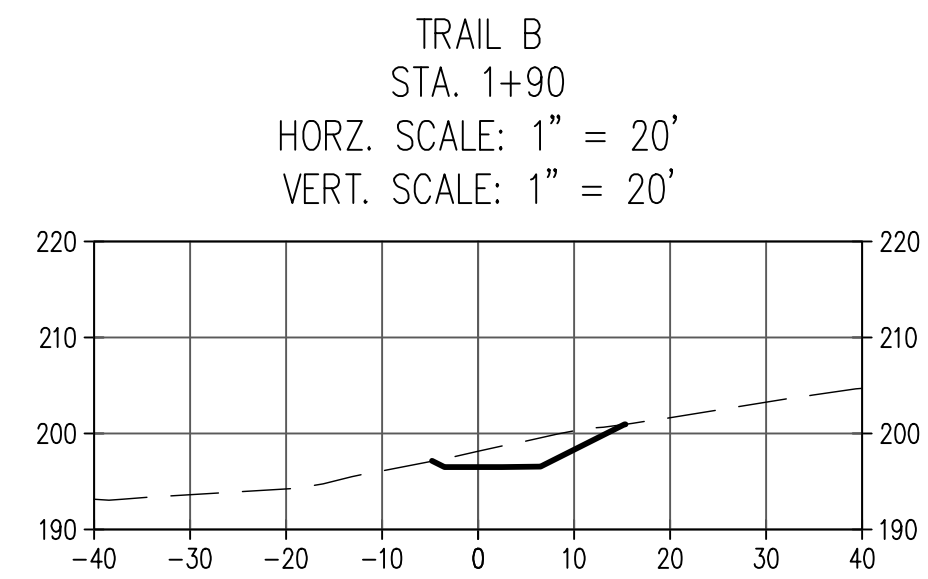
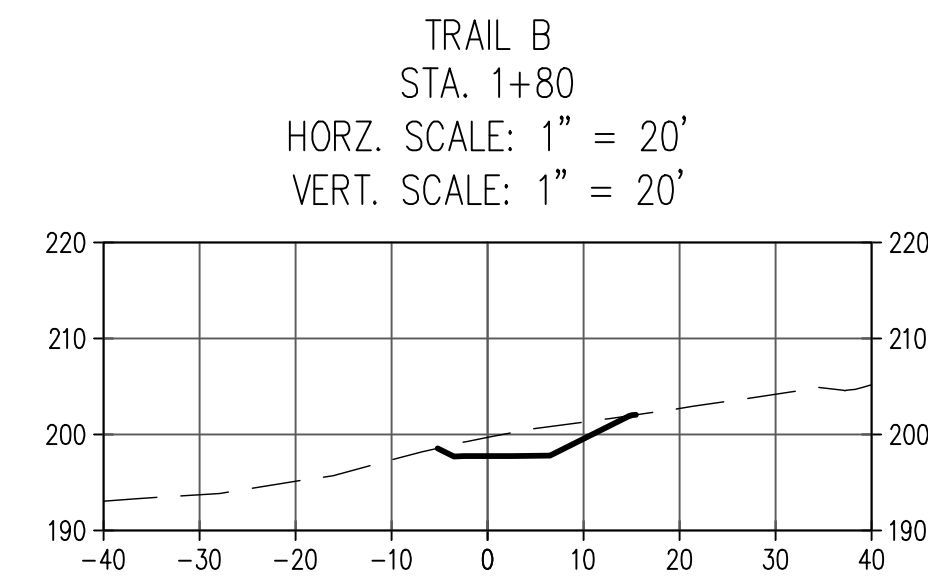
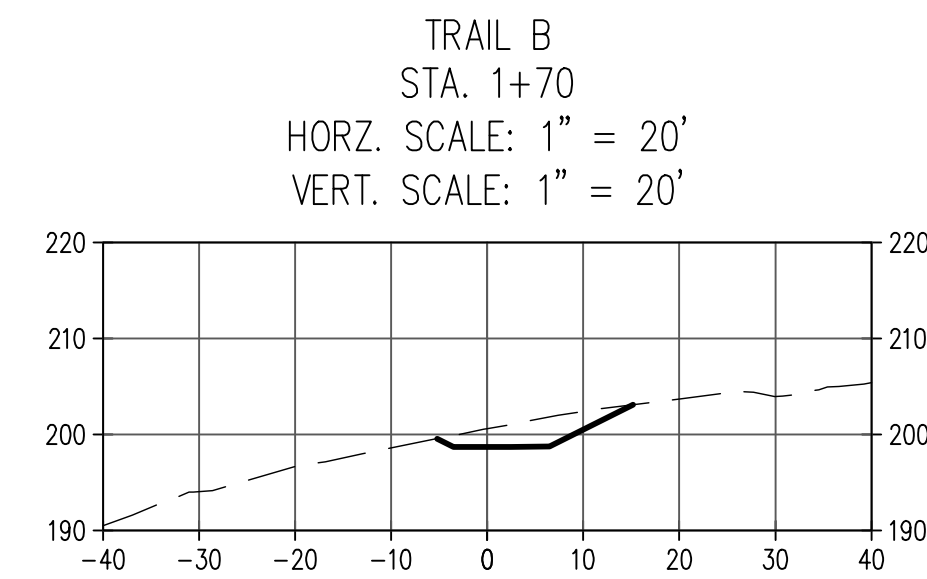
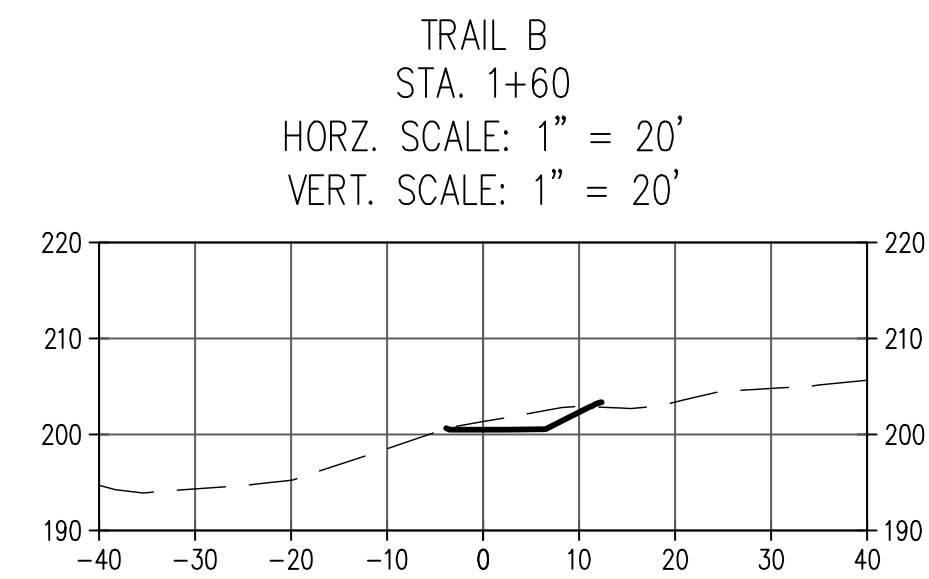
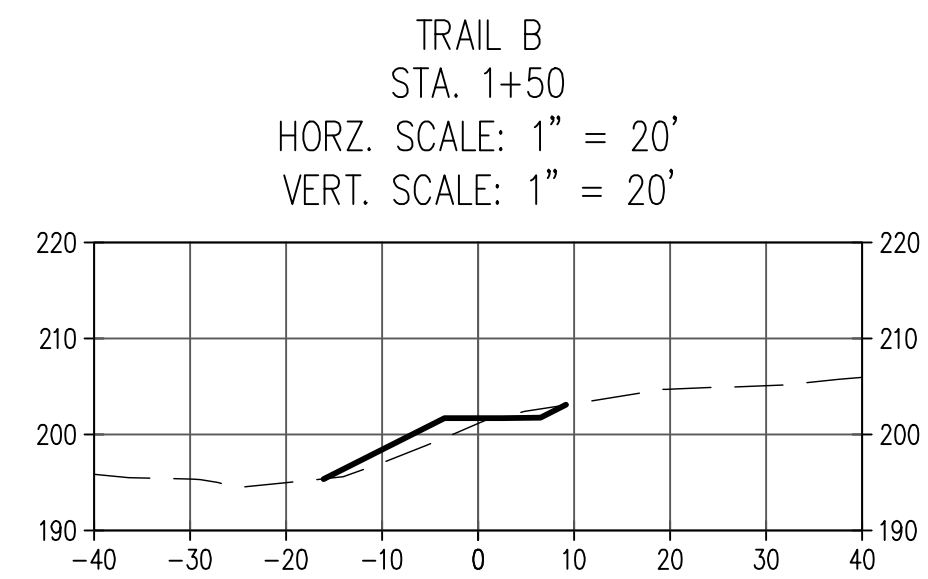
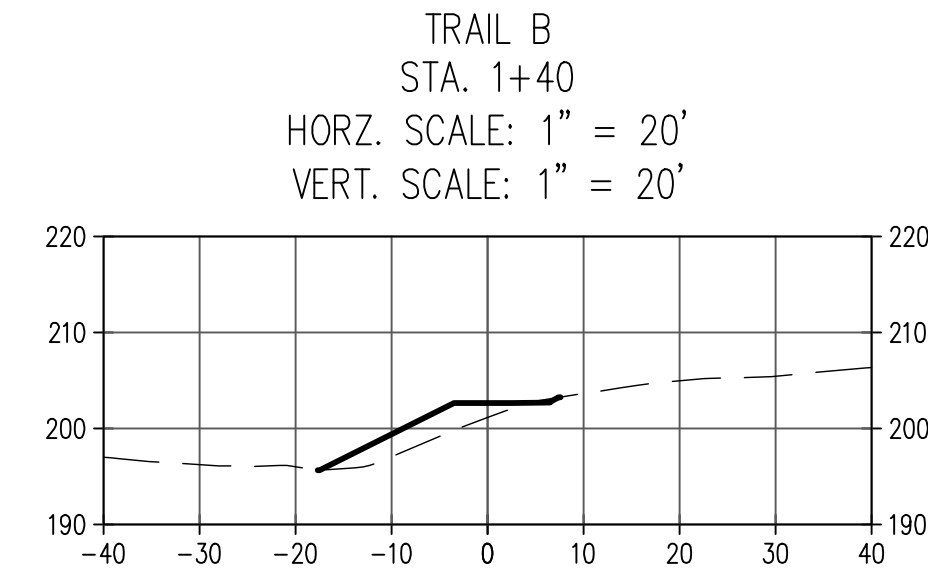
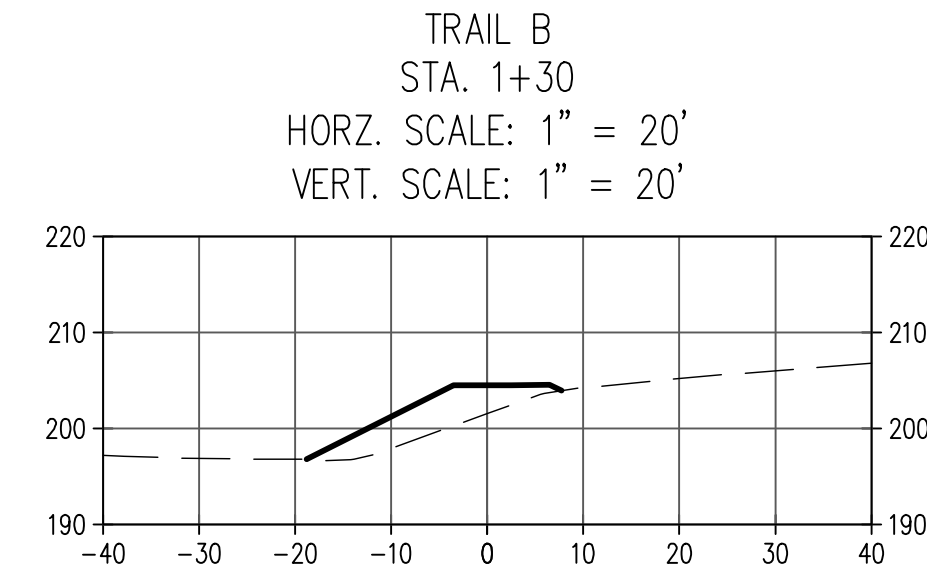
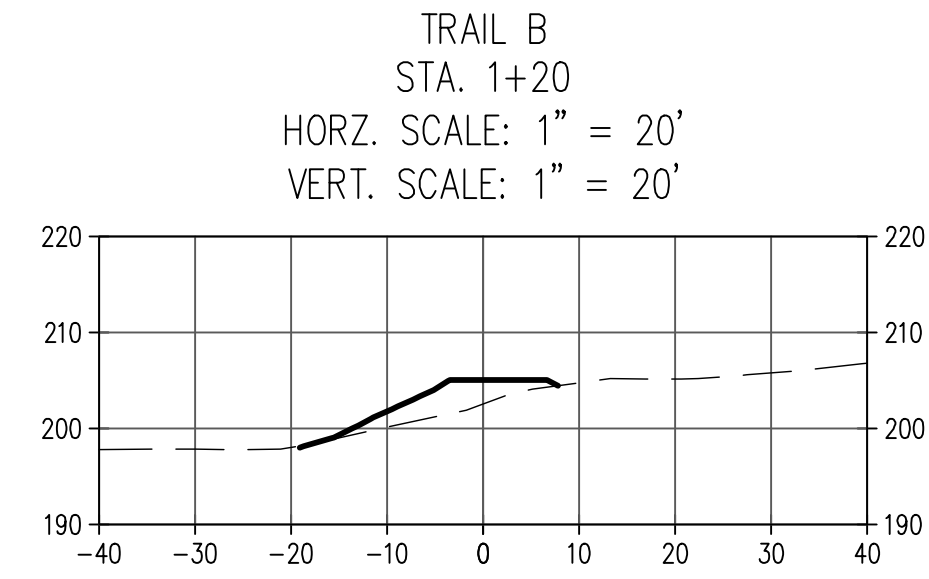
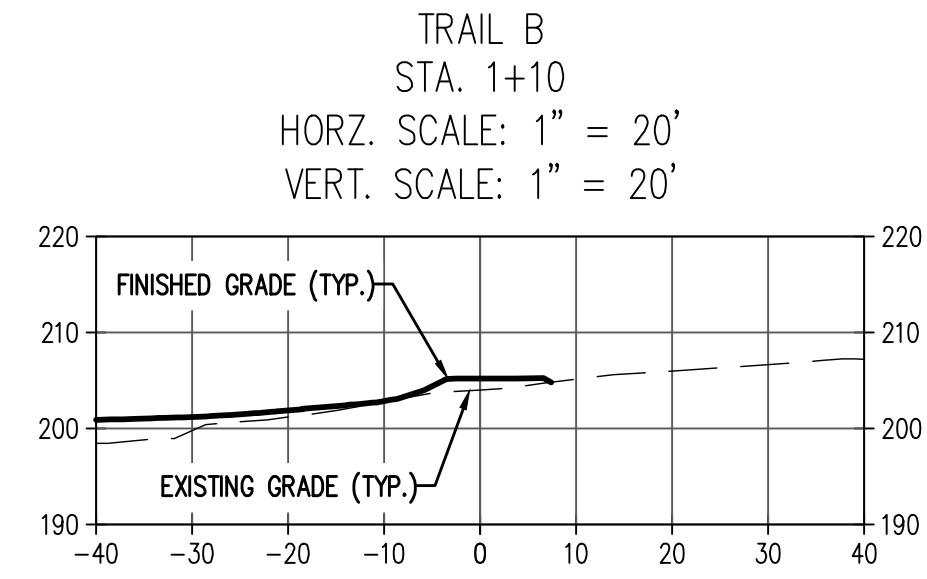
OREGON
 SEPTEMBER 14, 2023
 AUSTIN MORGAN COLE
 RENEWS: DECEMBER 31, 2025

REVISIONS

JOB NUMBER
9965

SHEET
C103

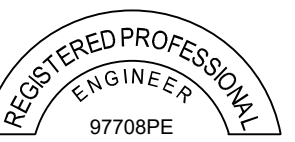
AKS DRAWING FILE: C102 TRAIL B CROSS SECTIONS.DWG | LAYOUT: LAYOUT1



TRAIL B CROSS-SECTIONS

DESIGNED BY: AMC
DRAWN BY: JAM/ECR
MANAGED BY: AMC
CHECKED BY: CEG

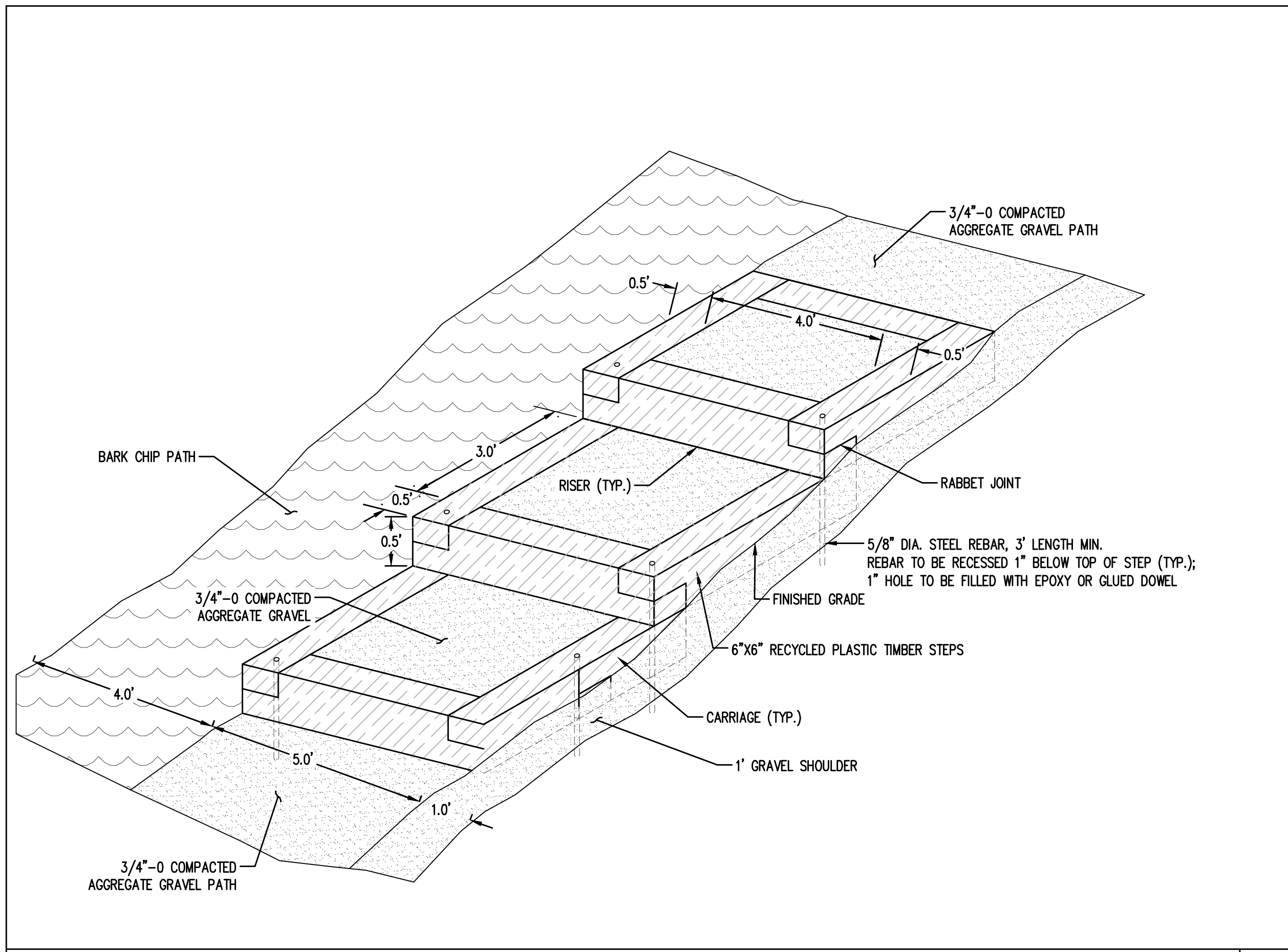
DATE: 03/04/2024



REVISIONS

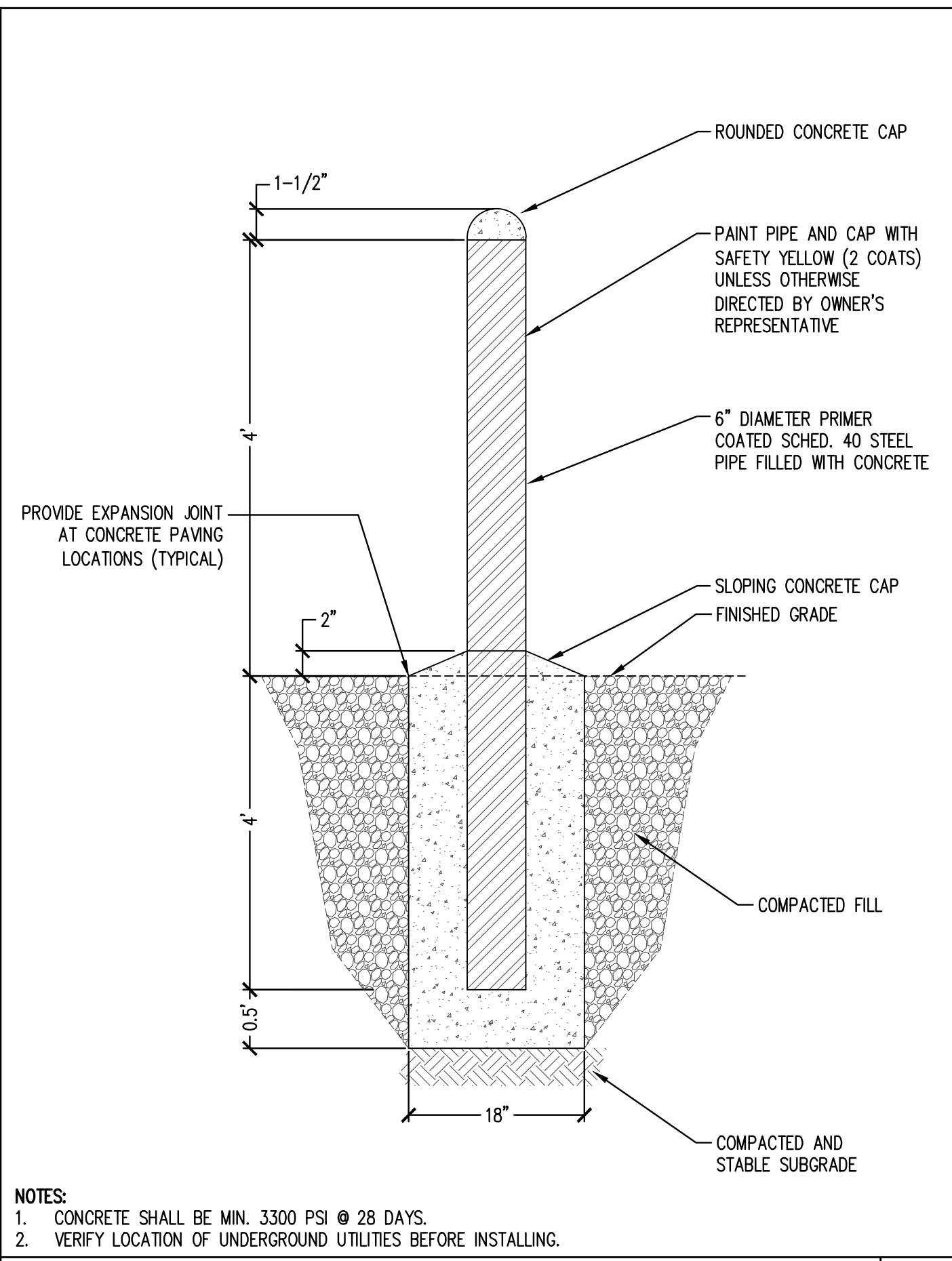
JOB NUMBER
9965

SHEET
C104



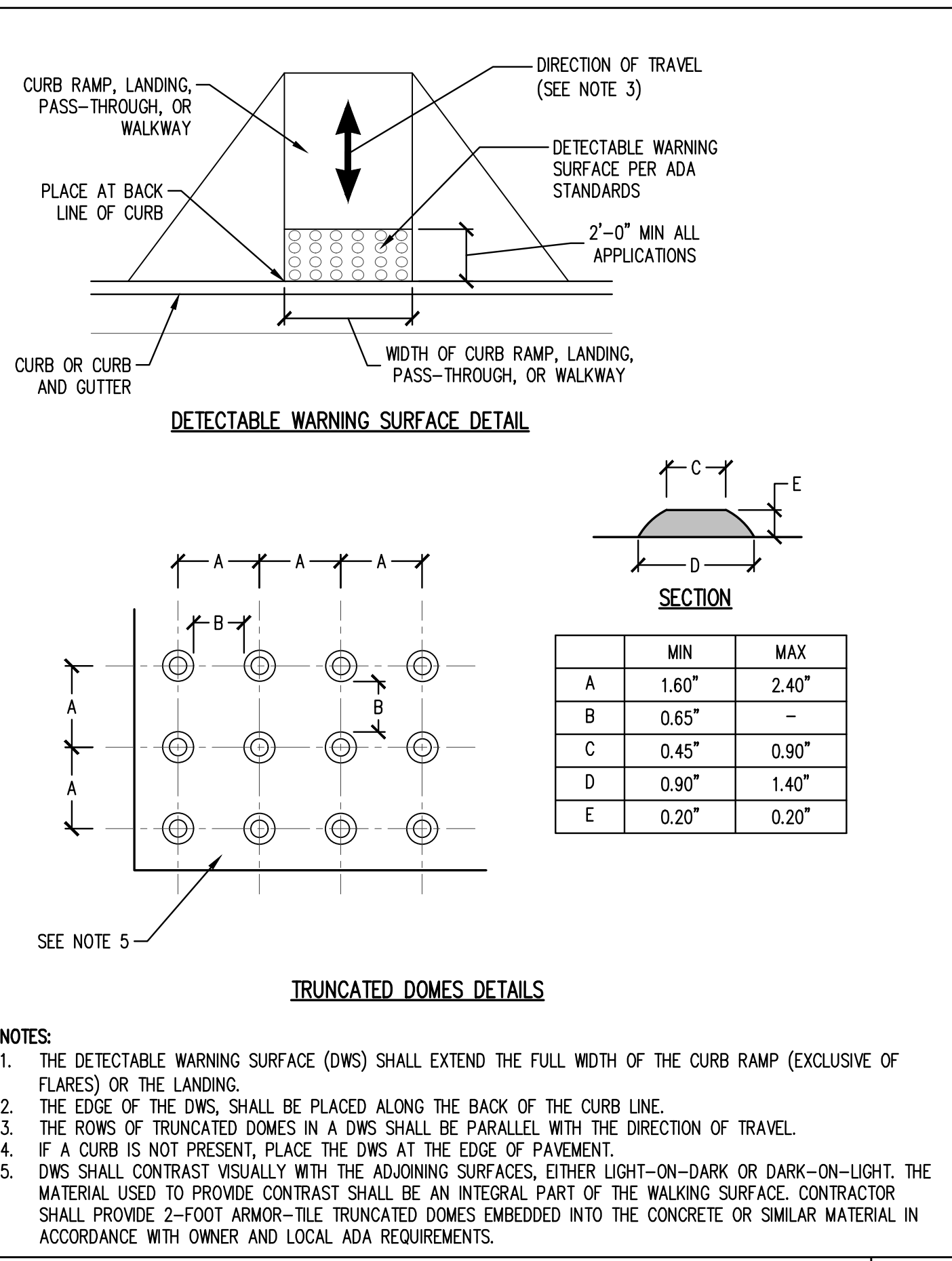
TYPICAL STAIR SECTION (BOX STEPS)
NTS

1



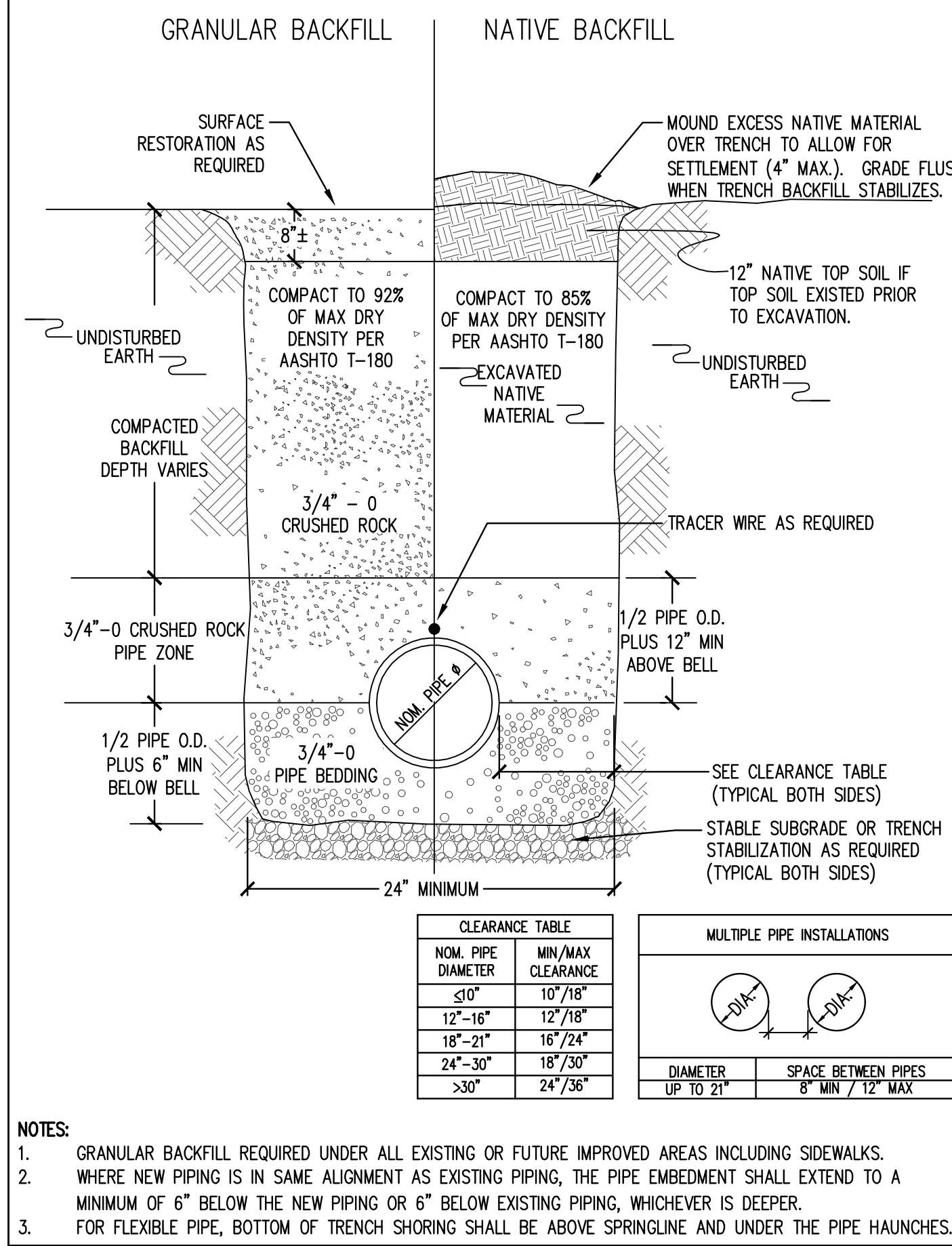
6-INCH BOLLARD
NTS

2



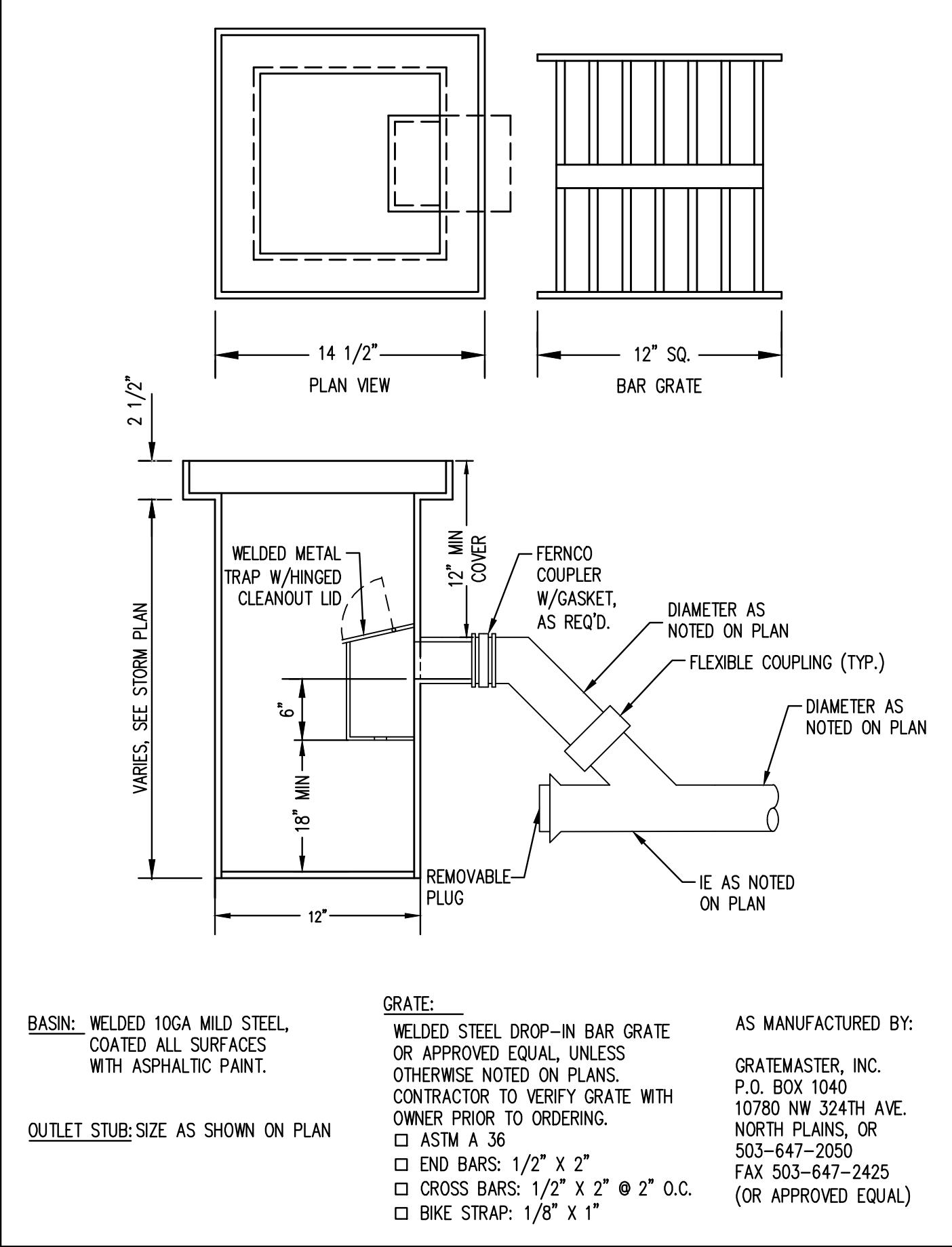
DETECTABLE WARNING SURFACES
NTS

3



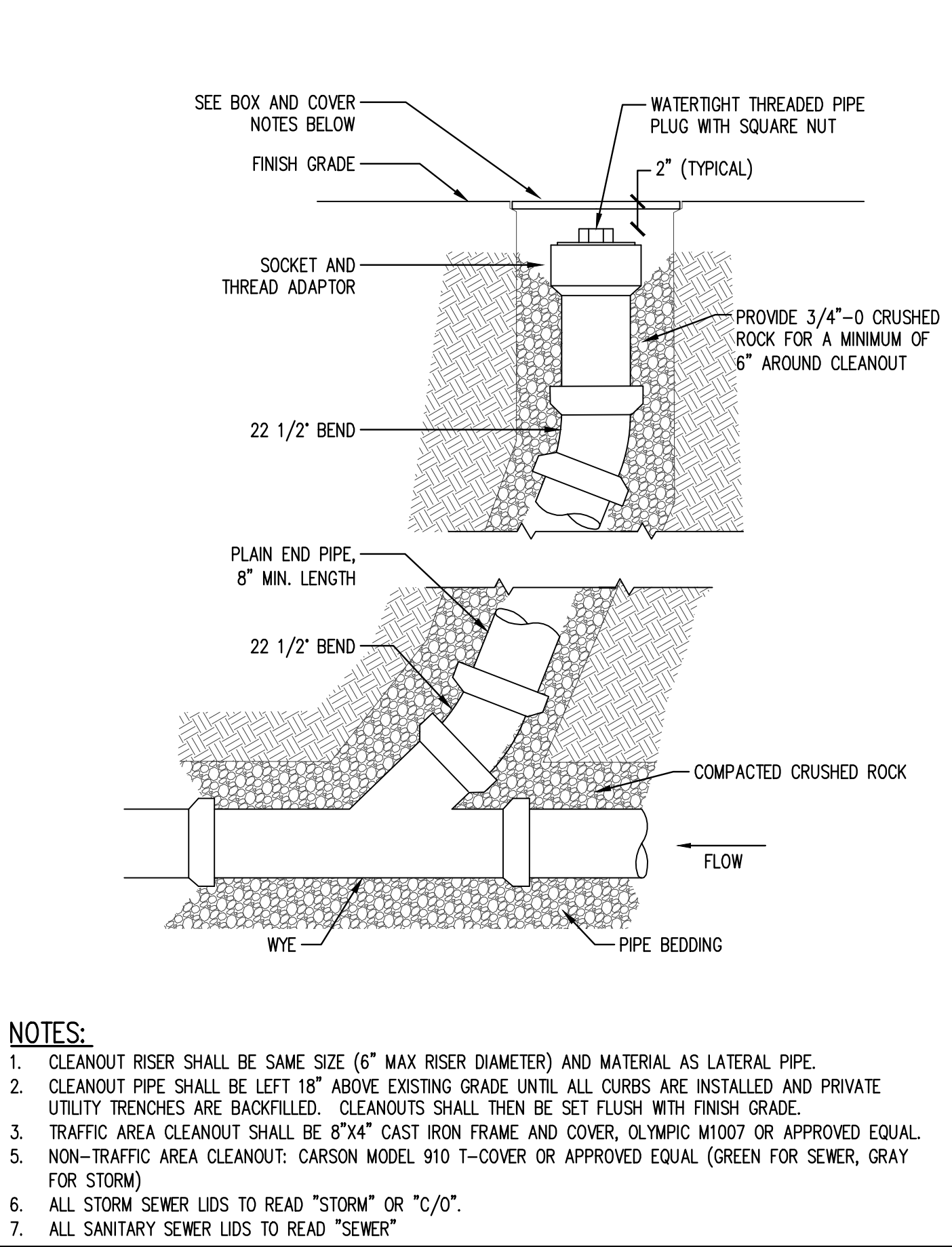
TRENCH BACKFILL
NTS

4



CATCH BASIN (BABY BOX)
NTS

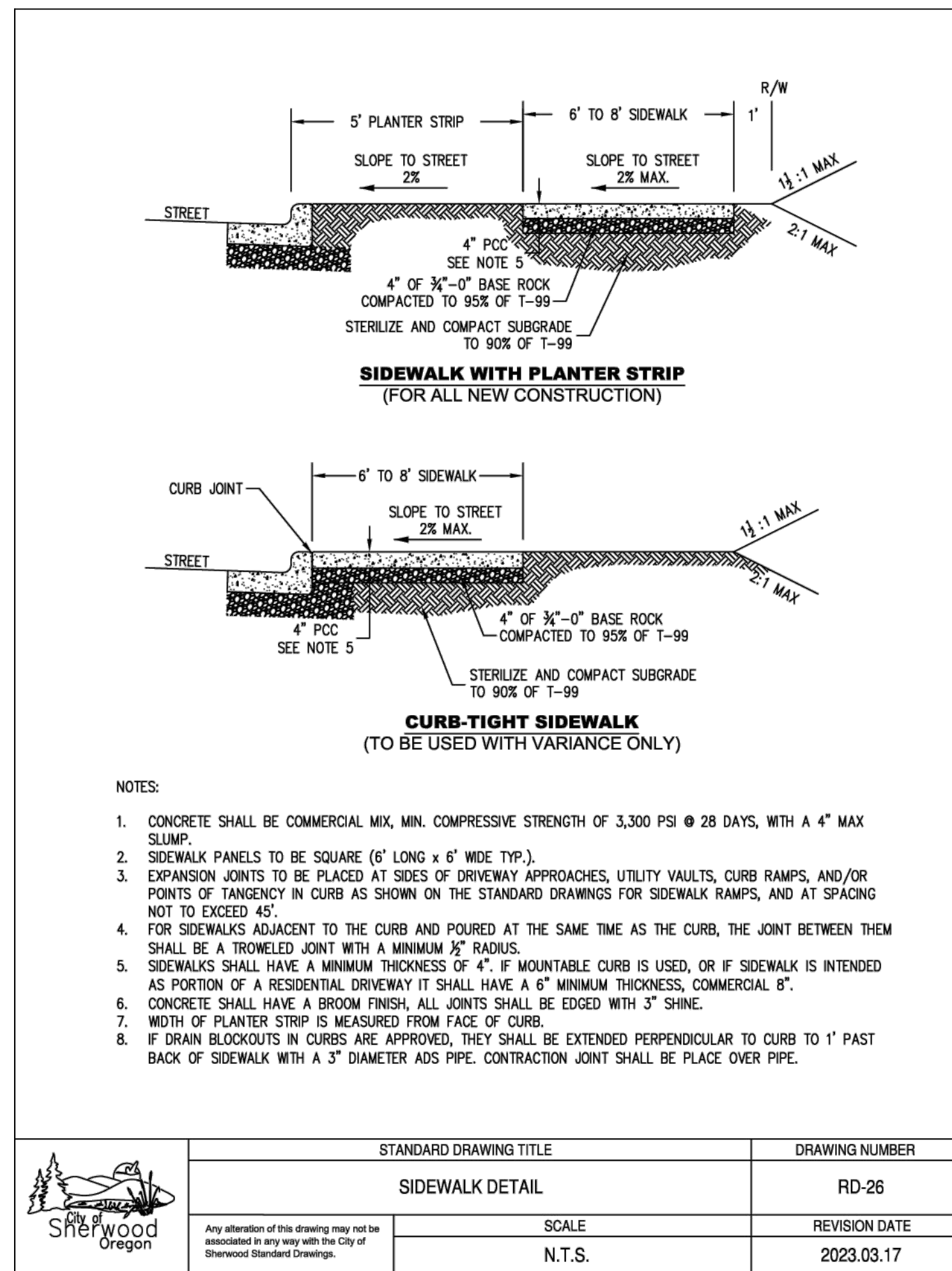
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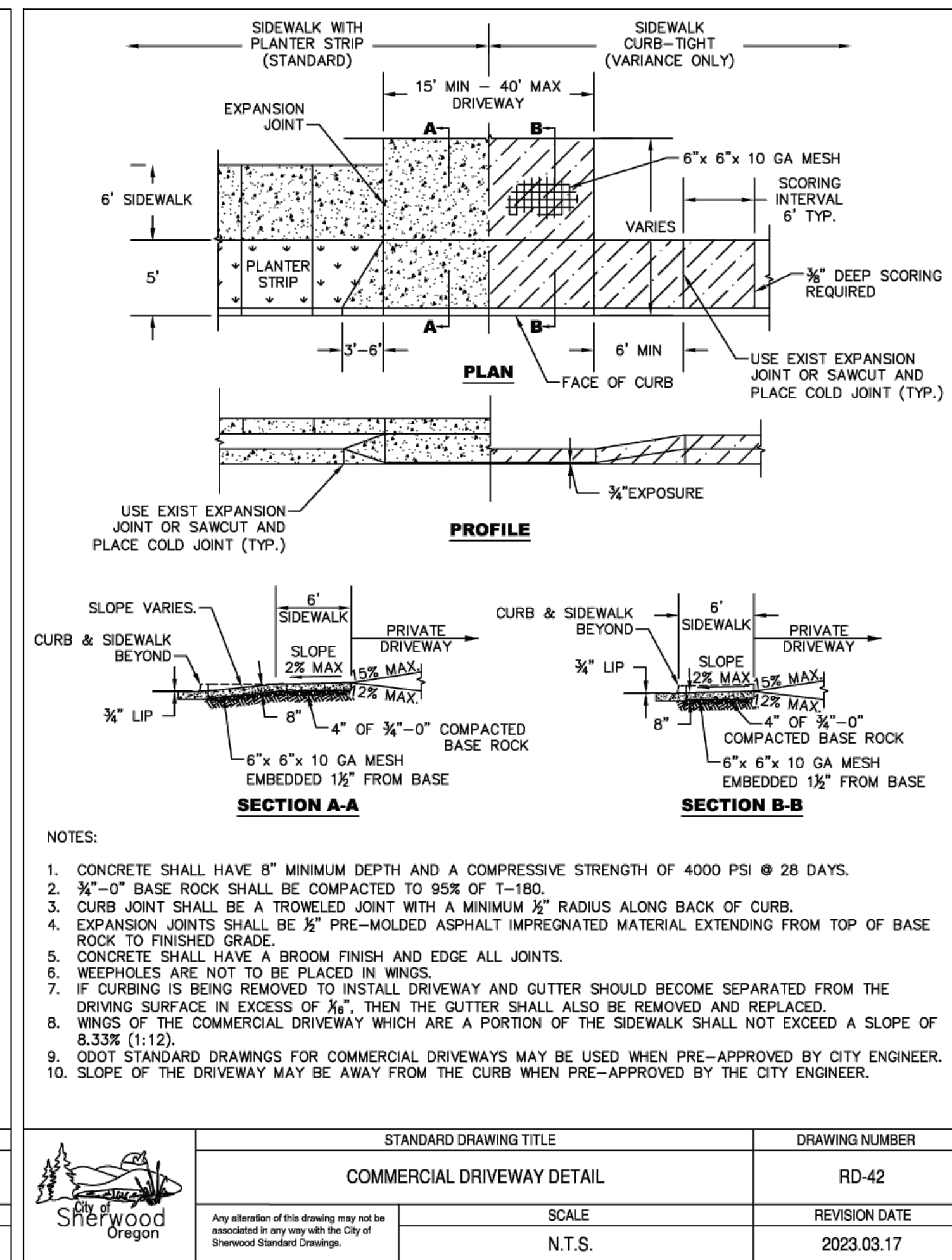
CLEANOUT
NTS

6

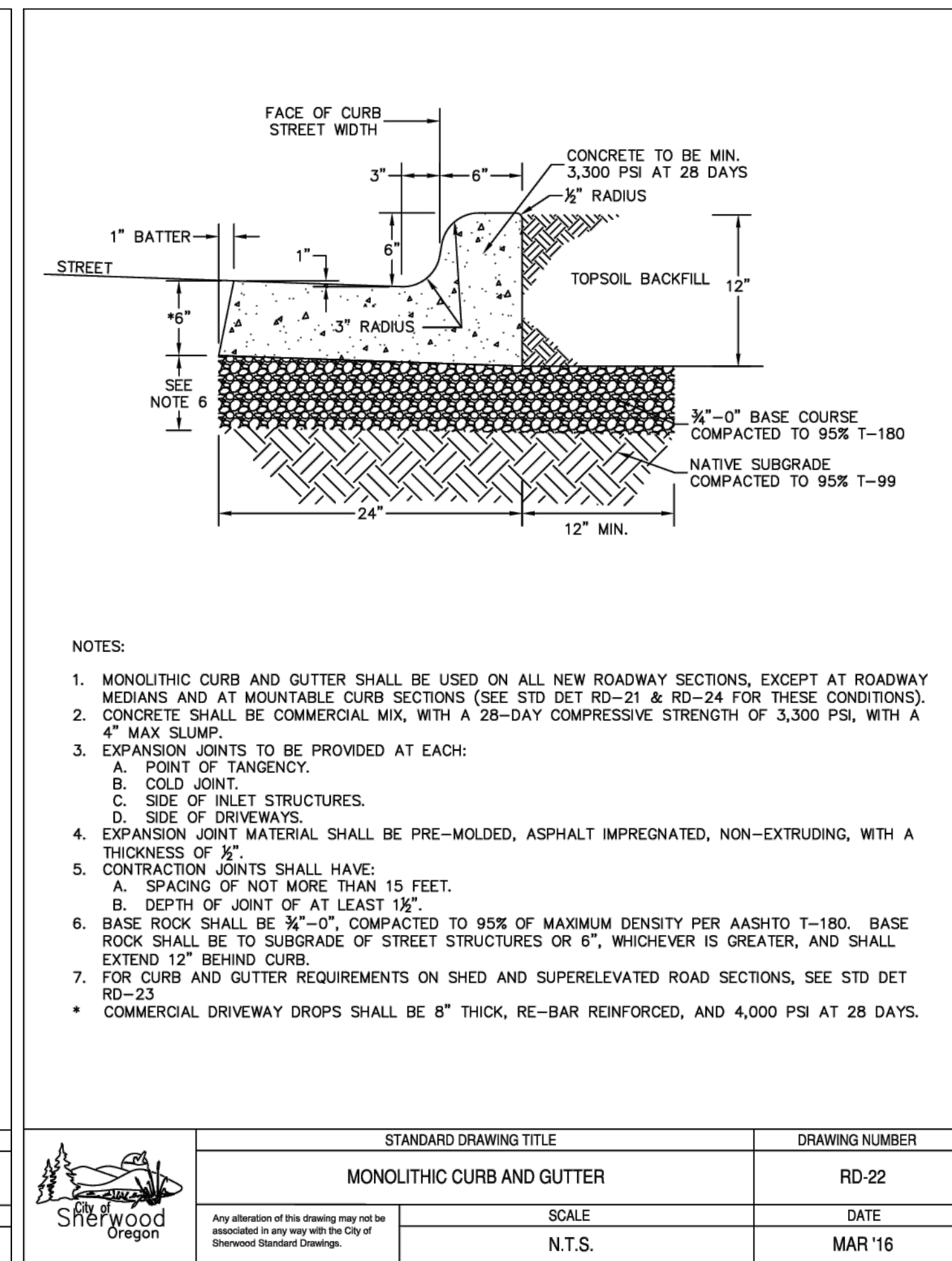
AKS DRAWING FILE: C500-DETAILS.DWG | LAYOUT: C500



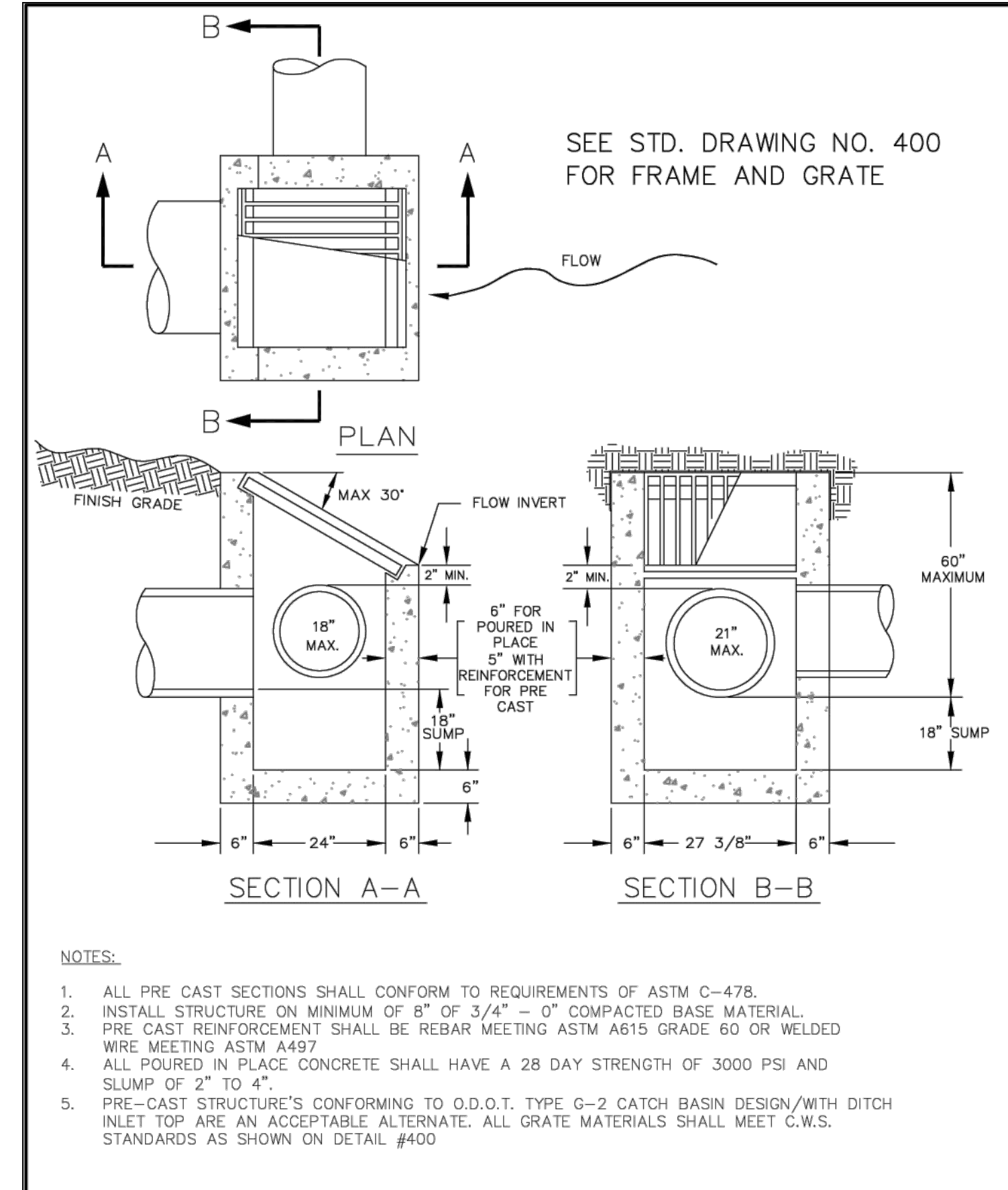
STANDARD DRAWING TITLE	DRAWING NUMBER
SIDEWALK DETAIL	RD-26
SCALE	REVISION DATE
N.T.S.	2023.03.17



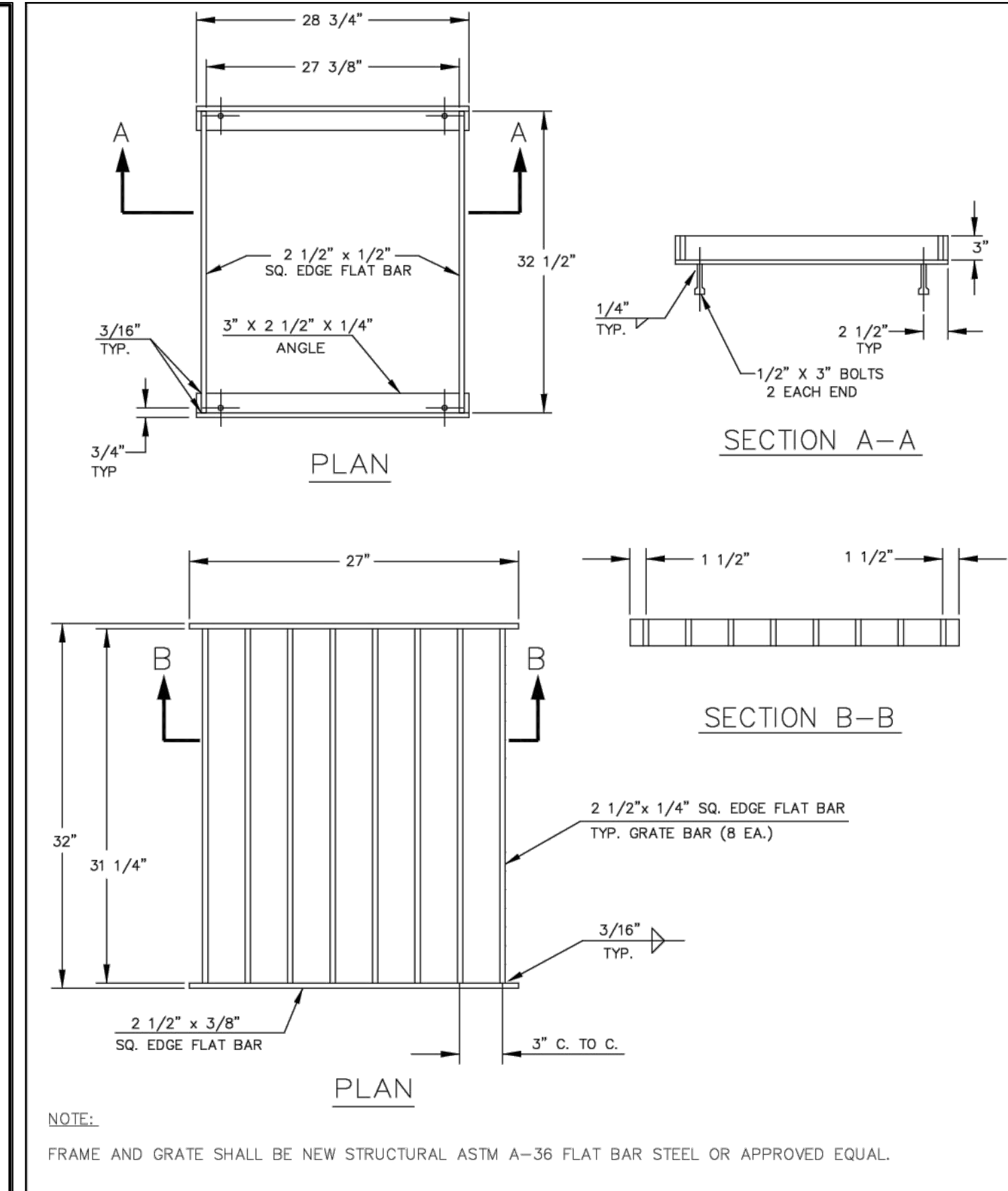
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COMMERCIAL DRIVEWAY DETAIL	RD-42
SCALE	REVISION DATE
N.T.S.	2023.03.17



STANDARD DRAWING TITLE	DRAWING NUMBER
MONOLITHIC CURB AND GUTTER	RD-22
SCALE	DATE
N.T.S.	MAR '16



STANDARD DRAWING TITLE	DRAWING NUMBER
DITCH INLET	DRAWING NO. 390
SCALE	REVISION DATE
N.T.S.	REVISED 10-31-19



STANDARD DRAWING TITLE	DRAWING NUMBER
DITCH INLET FRAME AND GRATE	DRAWING NO. 400
SCALE	REVISION DATE
N.T.S.	REVISED 10-31-19

AKS DRAWING FILE: C500-DETAILS.DWG | LAYOUT: C501

