COTTAGE GROVE RESERVOIR ACCESS DRIVEWAY

PUBLIC IMPROVEMENTS

UTILITY REPRESENTATIVES

ELECTRICAL

PACIFIC POWER COTTAGE GROVE DISTRICT
CONTACT: ELKE VATH
P.O. BOX 248
ALBANY, OR 97322
PHONE: (541) 967-6160
EMAIL: elke.vath@pacificorp.com

EMERALD PEOPLE'S UTILITY DISTRICT
CONTACT: BARRY HUMPHRIES
33733 SEAVEY LOOP ROAD
EUGENE, OR 97405
OFFICE: (541) 744-1583
EMAIL: operations@epud.org

WATER, SANITARY, STORM SEWER & CITY FIBER OPTICS

CITY OF COTTAGE GROVE
CONTACT: GREG GRISWELL, PUBLIC WORKS SUPERVISOR
400 E MAIN STREET
COTTAGE GROVE, OR 97424
PHONE: (541) 942-3024
EMAIL: utilities@cottagegrove.org

FIRE

SOUTH LANE COUNTY FIRE & RESCUE
CONTACT: DANNY L. SOLESBEE
233 HARRISON AVE
COTTAGE GROVE, OR 97424
PHONE: (541) 942-4493
EMAIL: dsolesbee@southlanefire.org

COMMUNICATION SERVICES

CENTURY LINK/LUMEN
CONTACT: TREVOR GILBERT
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EUGENE, OR 97401
PHONE: (541) 484-7827
EMAIL: trevor.w.gilbert@lumen.com

CHARTER COMMUNICATIONS
CONTACT: MARK STANFIELD
PHONE: (541) 201-0097
EMAIL: mark.stanfield@charter.com
or
CONTACT: SHANE QUIMBY
PHONE: (541) 228-7521
EMAIL: shane.quimby@charter.com

OWNER

CITY OF COTTAGE GROVE
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400 E MAIN STREET
COTTAGE GROVE, OR 97424
PHONE: (541) 942-3349
E-MAIL: pwdirector@cottagegrove.org

CIVIL ENGINEER

BRANCH ENGINEERING, INC.
CONTACT: NATHAN PATTERSON, P.E.
310 5TH STREET
SPRINGFIELD, OR 97477
PHONE: (541) 746-0637
E-MAIL: nathanp@branchengineering.com

SURVEYOR

BRANCH ENGINEERING
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310 5TH STREET
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E-MAIL: dann@branchengineering.com

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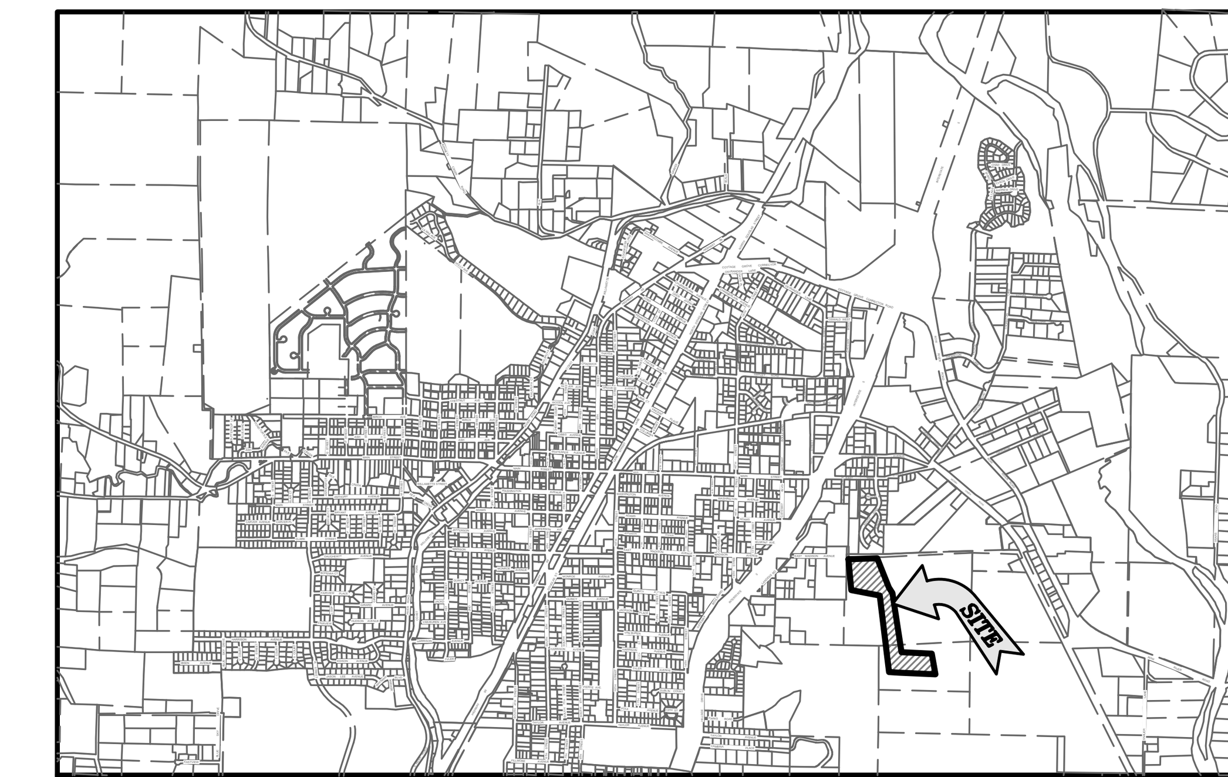

VICINITY MAP — NOT TO SCALE

SITE DATA

SITE ADDRESS

2100 E MADISON AVE
COTTAGE GROVE, OR
97424

DISTURBANCE AREA

1.41 AC

ELEVATION DATUM

ELEVATIONS SHOWN HEREON ARE IN NAVD'88 AS MEASURED BY GPS UNLESS OTHERWISE NOTED.

PUBILC IMPROVEMENTS - SHEET INDEX

ABBREVIATIONS

TC	TOP OF CURB
GL	GUTTER LINE
C	CONCRETE
AC	ASPHALT CONCRETE
BW	BACK OF WALK
HMAC	HOT MIX ASPHALT
MAX.	MAXIMUM
MIN.	MINIMUM
PSI	POUNDS PER SQUARE INCH
STA.	STATION
HWY.	HIGHWAY
STD.	STANDARD
DWG	DRAWING
W/L	WATERLINE
EX.	EXISTING
PROP.	PROPOSED
SAN	SANITARY
LAT	LATERAL
IE	INVERT ELEVATION
ELEV.	ELEVATION
FG	FINISHED GRADE
EG	EXISTING GRADE
HORZ.	HORIZONTAL
VERT.	VERTICAL
ODOT	OREGON DEPARTMENT OF TRANSPORTATION
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
LVC	LENGTH OF VERTICAL INTERSECTION
BVCS	BEGIN VERTICAL CURVE STATION
EVCS	END VERTICAL CURVE STATION
BVCE	BEGIN VERTICAL CURVE ELEVATION
EVCE	END VERTICAL CURVE ELEVATION
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
CL	CENTERLINE
L	LEFT
R	RIGHT
WW	WASTEWATER
SS	SANITARY SEWER
SD	STORM DRAIN
STM	STORM
MH	MANHOLE
CB	CATCH BASIN
DCVA	DOUBLE CHECK VALVE ASSEMBLY

LEGEND

EXISTING

- PROPERTY LINE
- CURB
- EDGE OF AC PAVING
- FENCE
- (E)W — WATER LINE
- (E)WW — WASTEWATER SEWER
- (E)SD — STORM WATER
- (E)OHW — OVERHEAD WIRES
- (E)E — ELECTRIC LINE
- (E)G — GAS LINE
- EXISTING CONTOURS
- WATER VALVE
- WATER HYDRANT
- SIGNAL BOXES
- TELEPHONE RISER
- SIGN
- WASTEWATER MANHOLE
- STORMWATER MANHOLE
- CATCH BASIN
- POWER POLE
- STREET LIGHT
- MAILBOX
- ELECTRIC TRANSFORMER
- GRAVEL

PROPOSED

- SD — STORMWATER PIPE
- CRUSHED ROCK
- ASPHALT

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REGISTERED PROFESSIONAL ENGINEER
OREGON
NATHAN PATTERSON
Nathan Patterson DIGITALLY SIGNED
EXPIRES: DECEMBER 31, 2024

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

REVISIONS:

No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE
RESERVOIR ACCESS DRIVEWAY

COVER PAGE

Sheet No. C0.0

DRAWN BY:	CHECKED BY:	DATE:	JOB No.
KS	NP	05/30/23	22-001L

GENERAL CONSTRUCTION NOTES

1. ALL MATERIALS AND WORKMANSHIP OF ITEMS TO BE MAINTAINED BY THE CITY OF COTTAGE GROVE WITHIN PUBLIC EASEMENTS OR STREET RIGHT-OF-WAYS SHALL MEET CURRENT CITY OF COTTAGE GROVE PUBLIC WORKS SPECIFICATIONS. ALL MATERIALS AND WORKMANSHIP OF IMPROVEMENTS THAT WILL BE PRIVATELY OWNED AND MAINTAINED WILL BE BOUND BY THE CURRENT REQUIREMENTS OF THE STATE OF OREGON AMENDMENTS TO THE UNIFORM PLUMBING CODE CURRENT EDITION, OR CITY OF COTTAGE GROVE BUILDING DIVISION REQUIREMENTS.

2. ALL WORK SHALL MEET THE FOLLOWING SPECIFICATIONS "2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE "2021 OREGON STANDARD DRAWINGS" AND THE SPECIALS SET FORTH IN THE PROJECT MANUAL FOR THIS PROJECT.

3. CONTRACTOR SHALL PROCURE, AND CONFORM TO ALL CONSTRUCTION PERMITS REQUIRED BY THE CITY OF COTTAGE GROVE AND LANE COUNTY.

4. ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS 800-332-2334 or 811).

5. CONTRACTOR TO NOTIFY CITY AND ALL UTILITY COMPANIES A MINIMUM OF 48 BUSINESS HOURS (2 BUSINESS DAYS) PRIOR TO START OF CONSTRUCTION, AND COMPLY WITH ALL OTHER NOTIFICATION REQUIREMENTS OF AGENCIES WITH JURISDICTION OVER THE WORK.

6. CONTRACTOR SHALL PROVIDE ALL BONDS AND INSURANCE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION. WHERE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION, THE CONTRACTOR SHALL SUBMIT A SUITABLE MAINTENANCE BOND PRIOR TO FINAL PAYMENT.

7. ALL MATERIALS AND WORKMANSHIP FOR FACILITIES IN STREET RIGHT-OF-WAY OR EASEMENTS SHALL CONFORM TO APPROVING AGENCIES' CONSTRUCTION SPECIFICATIONS WHEREIN EACH HAS JURISDICTION, INCLUDING BUT NOT LIMITED TO THE CITY, COUNTY, OREGON HEALTH DIVISION (OHD) AND THE OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ).

8. UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR, CONSTRUCTION OF ALL PUBLIC FACILITIES SHALL BE DONE BETWEEN 7:00 A.M. AND 7:00 P.M., MONDAY THROUGH FRIDAY.

9. 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.

10. ANY INSPECTION BY THE CITY OR OTHER AGENCIES SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS, APPLICABLE CODES, AND AGENCY REQUIREMENTS.

11. CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED DRAWINGS ON THE CONSTRUCTION SITE AT ALL TIMES WHEREON HE WILL RECORD ALL APPROVED DEVIATIONS IN CONSTRUCTION FROM THE APPROVED DRAWINGS, AS WELL AS THE STATION LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES ENCOUNTERED. THESE FIELD RECORD DRAWINGS SHALL BE KEPT UP TO DATE AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION BY THE CITY OR DESIGN ENGINEER'S REPRESENTATIVE UPON REQUEST. FAILURE TO CONFORM TO THIS REQUIREMENT MAY RESULT IN DELAY IN PAYMENT AND/OR FINAL ACCEPTANCE OF THE PROJECT.

12. UPON COMPLETION OF CONSTRUCTION OF ALL NEW FACILITIES, CONTRACTOR SHALL SUBMIT A CLEAN SET OF FIELD RECORD DRAWINGS CONTAINING ALL AS-BUILT INFORMATION TO THE ENGINEER. ALL INFORMATION SHOWN ON THE CONTRACTOR'S FIELD RECORD DRAWINGS SHALL BE SUBJECT TO VERIFICATION. IF SIGNIFICANT ERRORS OR DEVIATIONS ARE NOTED, AN AS-BUILT SURVEY PREPARED AND STAMPED BY A REGISTERED PROFESSIONAL LAND SURVEYOR SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.

13. CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES AS NEEDED DURING CONSTRUCTION WITH A MINIMUM EROSION CONTROL OF INLET PROTECTION. THE CONTRACTOR SHALL CONSULT WITH THE CITY FOR ADDITIONAL EROSION CONTROL MEASURES IN EXTREMELY WET WEATHER CONDITIONS.

14. THE CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A REGISTERED CIVIL ENGINEER AND/OR LAND SURVEYOR LICENSED IN THE STATE OF OREGON TO ESTABLISH CONSTRUCTION CONTROL AND PERFORM INITIAL CONSTRUCTION SURVEYS TO ESTABLISH THE LINES AND GRADES OF IMPROVEMENTS AS INDICATED ON THE DRAWINGS. STAKING FOR BUILDINGS, STRUCTURES, CURBS, GRAVITY DRAINAGE PIPES/STRUCTURES AND OTHER CRITICAL IMPROVEMENTS SHALL BE COMPLETED USING EQUIPMENT ACCURATE TO 0.04 FEET HORIZONTALLY AND 0.02 FEET VERTICALLY, OR BETTER. USE OF GPS EQUIPMENT FOR CONSTRUCTION STAKING OF THESE IMPROVEMENTS IS PROHIBITED. THE REGISTERED PROFESSIONAL SURVEYOR SHALL PROVIDE THE DESIGN ENGINEER WITH COPIES OF ALL GRADE SHEETS FOR CONSTRUCTION STAKING PERFORMED FOR THE PROJECT.

15. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES PER CITY OF COTTAGE GROVE REQUIREMENTS IN ACCORDANCE WITH THE MUTCD (INCLUDING OREGON AMENDMENTS). ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. ALL TRAFFIC CONTROL MEASURES SHALL BE APPROVED AND IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY. PRIOR TO ANY WORK IN THE EXISTING PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL SUBMIT FINAL TRAFFIC CONTROL PLAN TO THE CITY FOR REVIEW AND ISSUANCE OF A LANE CLOSURE OR WORK IN RIGHT-OF-WAY PERMIT.

16. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED OR NECESSARY INSPECTIONS ARE COMPLETED BY AUTHORIZED INSPECTORS PRIOR TO PROCEEDING WITH SUBSEQUENT WORK WHICH COVERS OR THAT IS DEPENDENT ON THE WORK TO BE INSPECTED. FAILURE TO OBTAIN NECESSARY INSPECTION(S) AND APPROVAL(S) SHALL RESULT IN THE CONTRACTOR BEING FULLY RESPONSIBLE FOR ALL PROBLEMS ARISING FROM UNINSPECTED WORK.

17. UNLESS OTHERWISE SPECIFIED, THE ATTACHED "REQUIRED TESTING AND FREQUENCY" TABLE OUTLINES THE MINIMUM TESTING SCHEDULE FOR THE PROJECT. THIS TESTING SCHEDULE IS NOT COMPLETE, AND DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF OBTAINING ALL NECESSARY INSPECTIONS OR OBSERVATIONS FOR ALL WORK PERFORMED, REGARDLESS OF WHO IS RESPONSIBLE FOR PAYMENT. COST FOR RETESTING SHALL BE BORNE BY THE CONTRACTOR.

18. THE LOCATION AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE ENGINEER OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND SIZES OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MARKING ALL EXISTING SURVEY MONUMENTS OF RECORD (INCLUDING BUT NOT LIMITED TO PROPERTY AND STREET MONUMENTS) PRIOR TO CONSTRUCTION. IF ANY SURVEY MONUMENTS ARE REMOVED, DISTURBED OR DESTROYED DURING CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A REGISTERED PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF OREGON TO REFERENCE AND REPLACE ALL SUCH MONUMENTS PRIOR TO FINAL PAYMENT. THE MONUMENTS SHALL BE REPLACED WITHIN A MAXIMUM OF 90 DAYS, AND THE COUNTY SURVEYOR SHALL BE NOTIFIED IN WRITING AS REQUIRED BY PER ORS 209.150.

20. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES WHERE NEW FACILITIES CROSS. ALL UTILITY CROSSINGS MARKED OR SHOWN ON THE DRAWINGS SHALL BE POTHOLED USING HAND TOOLS OR OTHER NON BORING METHODS. PRIOR TO EXCAVATING, CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE OR ALIGNMENT MODIFICATIONS WITHOUT DELAYING THE WORK. IF GRADE OR ALIGNMENT MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER, AND THE DESIGN ENGINEER OR THE OWNER'S REPRESENTATIVE SHALL OBTAIN APPROVAL FROM THE CITY PRIOR TO CONSTRUCTION.

21. ALL FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER-THAN-ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY AND THE DESIGN ENGINEER.

22. UTILITIES OR INTERFERING PORTIONS OF UTILITIES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL PLUG THE REMAINING EXPOSED ENDS OF ABANDONED UTILITIES.

23. CONTRACTOR SHALL REMOVE ALL EXISTING SIGNS, MAILBOXES, FENCES, LANDSCAPING, ETC., AS REQUIRED TO AVOID DAMAGE DURING CONSTRUCTION AND REPLACE THEM TO EXISTING OR BETTER CONDITION.

24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING CONSTRUCTION ACTIVITIES TO ENSURE THAT PUBLIC STREETS AND RIGHT-OF-WAYS ARE KEPT CLEAN OF MUD, AND DUST OR DEBRIS. DUST ABATEMENT SHALL BE MAINTAINED BY ADEQUATE WATERING OF THE SITE BY THE CONTRACTOR.

25. FINISH PAVEMENT GRADES AT TRANSITION TO EXISTING PAVEMENT SHALL MATCH EXISTING PAVEMENT GRADES OR BE FEATHERED PAST JOINTS WITH PAVEMENT AS REQUIRED TO PROVIDE A SMOOTH, FREE DRAINING SURFACE.

26. ALL EXISTING OR CONSTRUCTED MANHOLES, CLEANOUTS, MONUMENT BOXES, GAS VALVES, WATER VALVES AND SIMILAR STRUCTURES SHALL BE ADJUSTED TO MATCH FINISH GRADE OF THE PAVEMENT, SIDEWALK, LANDSCAPED AREA OR MEDIAN STRIP WHEREIN THEY LIE. VERIFY THAT ALL VALVE BOXES AND RISERS ARE CLEAN AND CENTERED OVER THE OPERATING NUT.

27. CONTRACTOR SHALL SEED AND MULCH (UNIFORMLY BY HAND OR HYDROSEED) EXPOSED SLOPES AND DISTURBED AREAS WHICH ARE NOT SCHEDULED TO BE LANDSCAPED, INCLUDING TRENCH RESTORATION AREAS. IF THE CONTRACTOR FAILS TO APPLY SEED AND MULCH IN A TIMELY MANNER DURING PERIODS FAVORABLE FOR GERMINATION, OR IF THE SEEDED AREAS FAIL TO GERMINATE, THE OWNER REPRESENTATIVE MAY (AT HIS DISCRETION) REQUIRE THE CONTRACTOR TO INSTALL SOD TO COVER SUCH DISTURBED AREAS.

28. ALL TAPPING OF EXISTING MUNICIPAL SANITARY SEWER, STORM DRAIN MAINS, AND MANHOLES MUST BE DONE BY CONTRACTOR FORCES.

29. THE CONTRACTOR SHALL HAVE APPROPRIATE EQUIPMENT ON SITE TO PRODUCE A FIRM, SMOOTH, UNDISTURBED SUBGRADE AT THE TRENCH BOTTOM, TRUE TO GRADE. THE BOTTOM OF THE TRENCH EXCAVATION SHALL BE SMOOTH, FREE OF LOOSE MATERIALS OR TOOTH GROOVES FOR THE ENTIRE WIDTH OF THE TRENCH PRIOR TO PLACING THE GRANULAR BEDDING MATERIAL.

30. ALL PIPES SHALL BE BEDDED WITH MINIMUM 6-INCHES OF 3/4"-0 CRUSHED ROCK BEDDING AND BACKFILLED WITH COMPACTED 3/4"-0 CRUSHED ROCK IN THE PIPE ZONE (CRUSHED ROCK SHALL EXTEND A MINIMUM OF 12-INCHES OVER THE TOP OF THE PIPE IN ALL CASES). CRUSHED ROCK OR CDF TRENCH BACKFILL SHALL BE USED UNDER ALL IMPROVED AREAS, INCLUDING PAVEMENT, SIDEWALKS, FOUNDATION SLABS, BUILDINGS, ETC. IN ACCORDANCE WITH THE PLANS & SPECIFICATIONS. GRANULAR TRENCH BACKFILL SHALL BE COMPACTED TO 95% IN ROADWAYS AND 92% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR) OUTSIDE OF ROADWAYS.

31. GRANULAR TRENCH BEDDING AND BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF OSSC (ODOT/APWA) 02630.10 (DENSE GRADED BASE AGGREGATE), 3/4"-0. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, COMPACT GRANULAR BACKFILL TO 95% IN ROADWAYS AND 92% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR) OUTSIDE OF ROADWAYS.

32. ALL PIPED UTILITIES ABANDONED IN PLACE SHALL HAVE ALL OPENINGS CLOSED WITH CONCRETE PLUGS WITH A MINIMUM LENGTH EQUAL TO 2 TIMES THE DIAMETER OF THE ABANDONED PIPE.

33. THE END OF ALL UTILITY SERVICE LINES SHALL BE MARKED WITH A 2-X-4 PAINTED WHITE AND WIRED TO PIPE STUB. THE PIPE DEPTH SHALL BE WRITTEN ON THE POST IN 2" BLOCK LETTERS.

34. ALL NON-METALLIC WATER, SANITARY AND STORM SEWER PIPING SHALL HAVE AN ELECTRICALLY CONDUCTIVE INSULATED 12 GAUGE, SOLID STRAND COPPER TRACER WIRE THE FULL LENGTH OF THE INSTALLED PIPE USING BLUE WIRE FOR WATER AND GREEN WIRE FOR STORM AND SANITARY PIPING. TRACER WIRE SHALL BE EXTENDED UP INTO ALL VALVE BOXES, CATCH BASINS, MANHOLES AND LATERAL CLEANOUT BOXES. TRACER WIRE PENETRATIONS INTO MANHOLES SHALL BE WITHIN 18 INCHES OF THE RIM ELEVATION AND ADJACENT TO MANHOLE STEPS. THE TRACER WIRE SHALL BE TIED TO THE TOP MANHOLE STEP OR OTHERWISE SUPPORTED TO ALLOW RETRIEVAL FROM THE OUTSIDE OF THE MANHOLE.

35. NO TRENCHES IN SIDEWALKS, ROADS, OR DRIVEWAYS SHALL BE LEFT IN AN OPEN CONDITION OVERNIGHT. ALL SUCH TRENCHES SHALL BE CLOSED BEFORE THE END OF EACH WORKDAY AND NORMAL TRAFFIC AND PEDESTRIAN FLOWS RESTORED.

36. CITY FORCES TO OPERATE ALL VALVES, INCLUDING FIRE HYDRANTS, ON EXISTING PUBLIC MAINS.

37. ALL SANITARY SEWER MAINS SHALL BE D3034 SDR35 PVC. ALL FITTINGS 4-INCHES THROUGH 24-INCHES IN DIAMETER SHALL BE PER MANUFACTURERS RECOMMENDATIONS IN CONFORMANCE WITH ODOT STANDARD SPECIFICATIONS SECTION 00445.43.

38. THRUST RESTRAINT SHALL BE PROVIDED ON ALL BENDS, TEES AND OTHER DIRECTION CHANGES PER LOCAL JURISDICTION REQUIREMENTS AND AS SPECIFIED OR SHOWN ON THE DRAWINGS. UNLESS OTHERWISE SHOWN OR APPROVED BY THE ENGINEER.

39. CONTRACTOR SHALL REIMBURSE CITY FOR COSTS REQUIRED TO FLUSH, TEST AND DISINFECT WATERLINES PER PUBLIC AGENCY REQUIREMENTS.

40. WHERE THE WATER LINE CROSSES OVER THE SEWER LINE BUT WITH A CLEARANCE OF LESS THAN 18-INCHES VERTICAL SEPARATION, IF THE WATER SUPPLIER DETERMINES THAT THE CONDITIONS ARE NOT FAVORABLE, THE SEWER LINE SHALL BE REPLACED WITH A FULL LENGTH OF PIPE CENTERED AT THE CROSSING POINT, OF PVC PRESSURE PIPE, HIGH DENSITY PE PIPE, DUCTILE-IRON CLASS 50, OR OTHER ACCEPTABLE PIPE; OR THE SEWER SHALL BE ENCASED IN A REINFORCED CONCRETE JACKET FOR A DISTANCE OF 10 FEET ON BOTH SIDES OF THE CROSSING IN ACCORDANCE WITH OAR 333-061-0050 AND LOCAL JURISDICTION REQUIREMENTS.

41. CONTRACTOR TO PROVIDE TESTING OF SANITARY SEWER PIPE AND APPURTENANCES FOR LEAKAGE IN ACCORDANCE WITH TESTING SCHEDULE HEREIN OR THE CITY'S CONSTRUCTION STANDARDS, WHICHEVER ARE MORE STRINGENT. SANITARY SEWER PIPE AND APPURTENANCES SHALL BE TESTED FOR LEAKAGE.

42. CONTRACTOR SHALL NOTIFY AND COORDINATE WITH FRANCHISE UTILITIES FOR REMOVAL OR RELOCATION OF POWER POLES, VAULTS, PEDESTALS, MANHOLES, ETC. TO AVOID CONFLICT WITH CITY UTILITY STRUCTURES, FIRE HYDRANTS, METERS, SEWER OR STORM LATERALS, ETC.

43. ANY ABRUPT EDGE GREATER THAN 2 INCHES IN DEPTH, CLOSER THAN 4 FEET FROM AN ACTIVE TRAFFIC LANE, AND HAVING A DURATION OF EXPOSURE LONGER THAN 72 HOURS SHALL BE REQUIRED TO FOLLOW THE "TYPICAL ABRUPT EDGE SIGNING DETAIL" ON ODOT STANDARD DRAWING TM800.

44. WHEN CONSTRUCTION ACTIVITIES BLOCK OR INTERFERE WITH THE NORMAL PEDESTRIAN ROUTING, PROVIDE SAFE PASSAGE FOR PEDESTRIANS THROUGH THE CONSTRUCTION AREA UTILIZING ODOT STANDARD DRAWING TM844 AND THE REQUIREMENTS OF THE CURRENT EDITION OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (BLUE BOOK). REFER TO SUBSECTION 00220.02.

45. SAWCUT SIDEWALK AT NEWEST CONTROL JOINT IF LOCATED WITHIN 2 FEET OF SAWCUT LINE SHOWN.

46. WORK WITHIN THE AIRPORT PROPERTY (BEHIND THE FENCE) MUST BE CONDUCTED UNDER A PERMIT THROUGH THE OREGON DEPARTMENT OF AVIATION (DOA) AND/OR FEDERAL AVIATION ADMINISTRATION (FAA). THE CITY OF COTTAGE GROVE HAS APPLIED FOR THIS PERMIT AND THE ANTICIPATED ISSUANCE DATE WILL BE THE WEEK OF OCTOBER 24-28TH.

REQUIRED TESTING AND FREQUENCY TABLE	PARTY RESPONSIBLE FOR PAYMENT	
	CONTRACTOR	
STREETS, PARKING LOTS, PADS, FILLS, ETC		
ASPHALT 1 TEST/6,000 S.F./LIFT (4 MIN.)	X	SEE NOTE 2

NOTE 1: "OTHERS" REFERS TO CITY'S AUTHORIZED REPRESENTATIVE OF APPROVING AGENCY AS APPLICABLE. CONTRACTOR RESPONSIBLE FOR SCHEDULING TESTING. ALL TESTING MUST BE COMPLETED PRIOR TO PERFORMING SUBSEQUENT WORK.

NOTE 2: TESTING MUST BE PERFORMED BY AN APPROVED INDEPENDENT TESTING LABORATORY OR CITY.

NOTE 3: IN ADDITION TO IN-PLACE DENSITY TESTING, THE SUBGRADE AND BASE ROCK SHALL BE PROOF ROLLED WITH A LOADED 10 YARD DUMP TRUCK PROVIDED BY THE CONTRACTOR. BASEROCK PROOFROLL SHALL TAKE PLACE IMMEDIATELY PRIOR TO (WITHIN 24 HOURS OF) PAVING, AND SHALL BE WITNESSED BY THE CITY'S AUTHORIZED REPRESENTATIVE OR APPROVING AGENCY. LOCATION AND PATTERN OF PROOFROLL TO BE DIRECTED BY SAID CITY'S REPRESENTATIVE OR APPROVING AGENCY.

NOTE 4: TO BE WITNESSED BY THE CITY'S REPRESENTATIVE OR APPROVING AGENCY. THE CONTRACTOR SHALL PERFORM PRE-TESTS PRIOR TO SCHEDULING WATERLINE OR SANITARY SEWER PRESSURE TESTS, OR PIPELINE MANDREL TEST.

NOTE 5: TO BE PERFORMED BY CITY OF COTTAGE GROVE. NOTIFY CITY OF COTTAGE GROVE PUBLIC WORKS FIVE (5) BUSINESS DAYS PRIOR TO REQUIRED TESTING.

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REGISTERED PROFESSIONAL ENGINEER #79329PE
DIGITALLY SIGNED
OREGON
DEC. 21, 20__
NATHAN PATTERSON
EXPIRES: DECEMBER 31, 2024

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

REVISIONS:

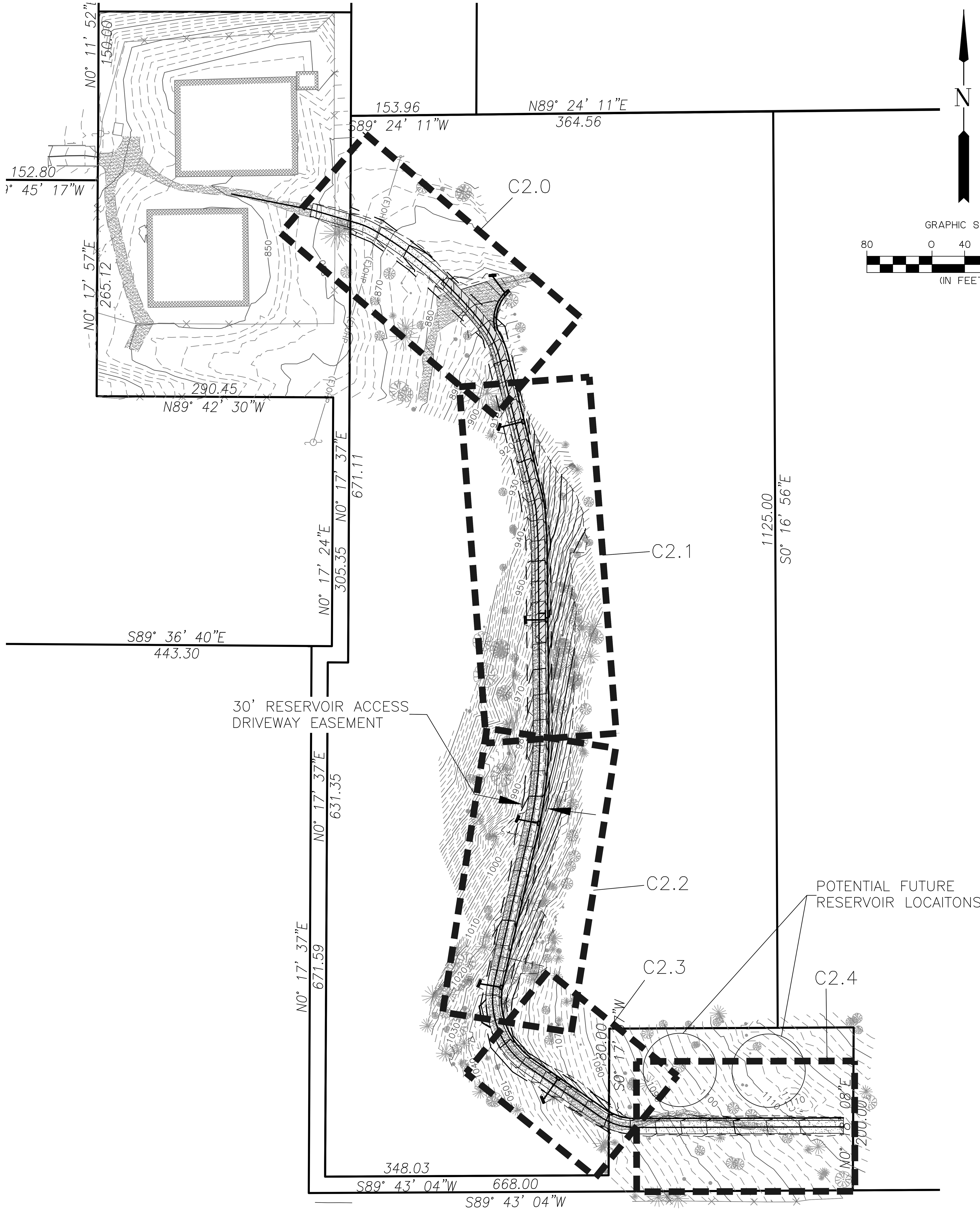
No.	DESCRIPTION	DATE

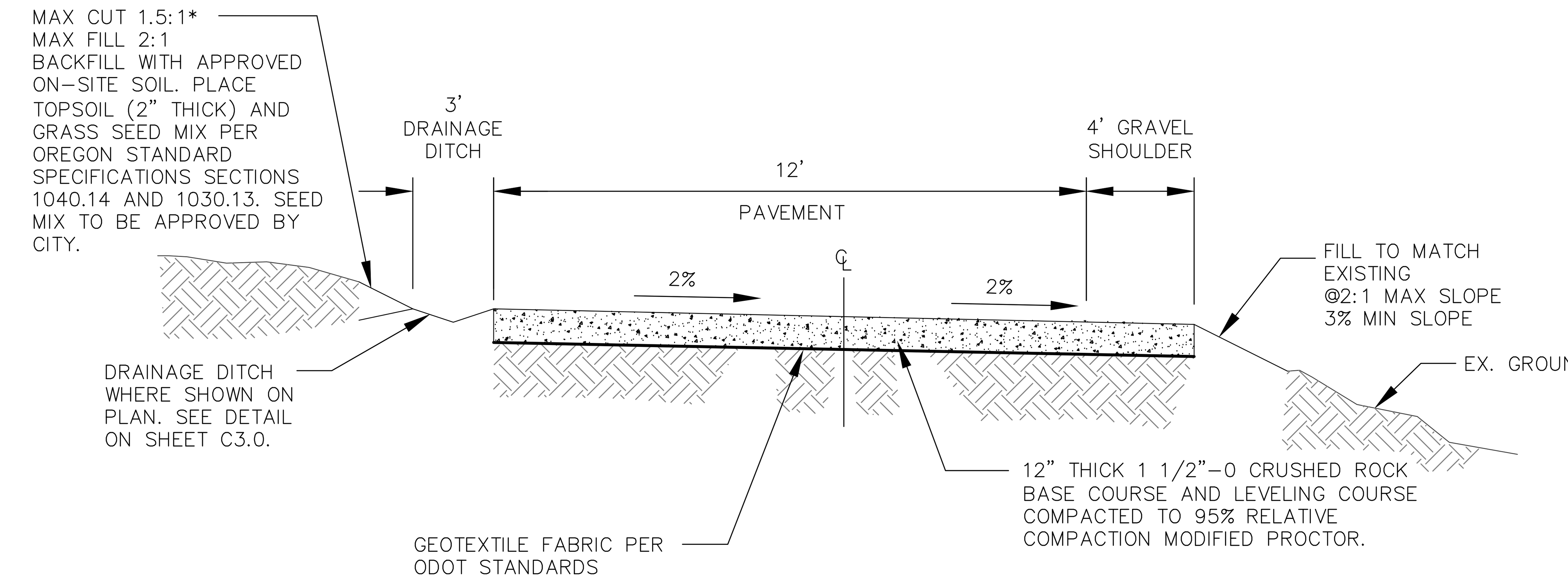
CITY OF COTTAGE GROVE
RESERVOIR ACCESS DRIVEWAY

GENERAL CONSTRUCTION NOTES

Sheet No. C0.1

DRAWN BY:	CHECKED BY:	DATE:	JOB No.
KS	NP	05/30/23	22-001L

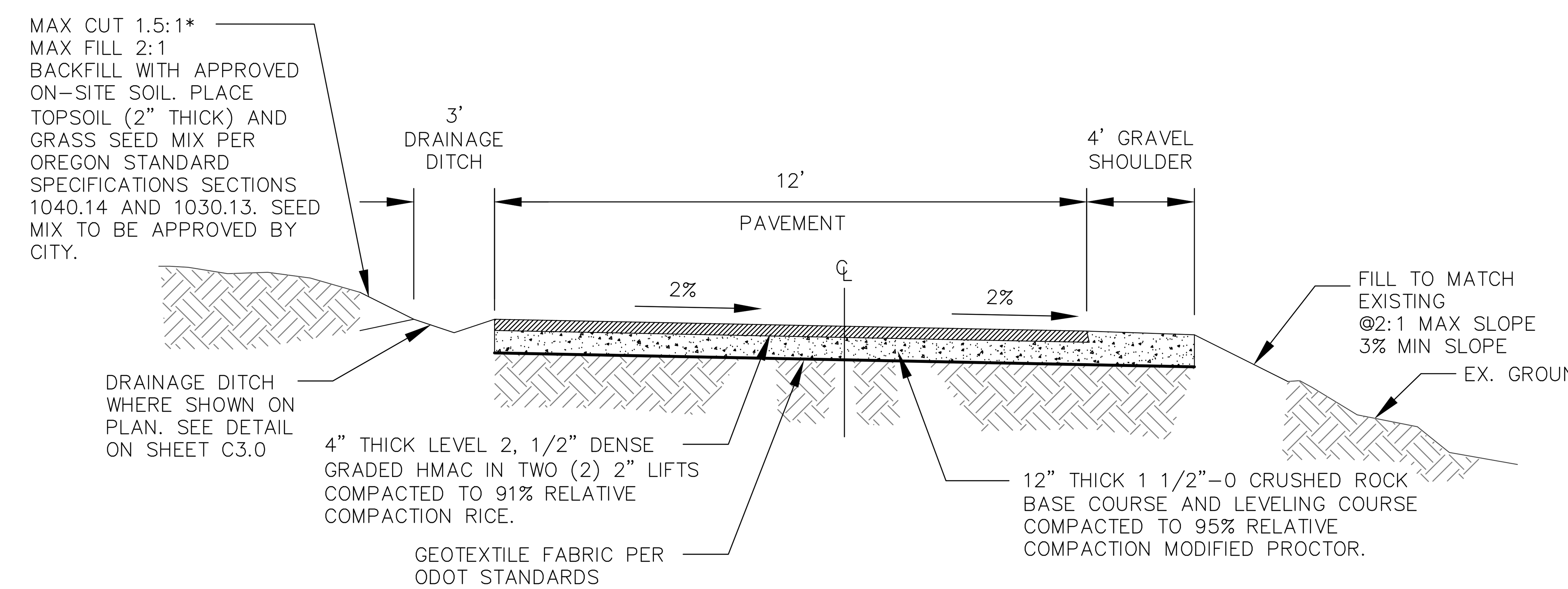




TYPICAL ROCK SECTION

ACCESS ROAD
STA. 1+00.00–2+86.00
STA. 7+48.00–17+10.29
N.T.S.

* WHERE SLOPES EXCEED 1.5:1, INSTALL SLOPE STABILIZATION MATERIAL PER PLAN SPECIFICATIONS



TYPICAL ASPHALT SECTION

ACCESS ROAD
STA. 2+86.00–7+48.00
N.T.S.

* WHERE SLOPES EXCEED 1.5:1, INSTALL SLOPE STABILIZATION MATERIAL PER PLAN SPECIFICATIONS

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EXPIRES: DECEMBER 31, 2024

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

REVISIONS:

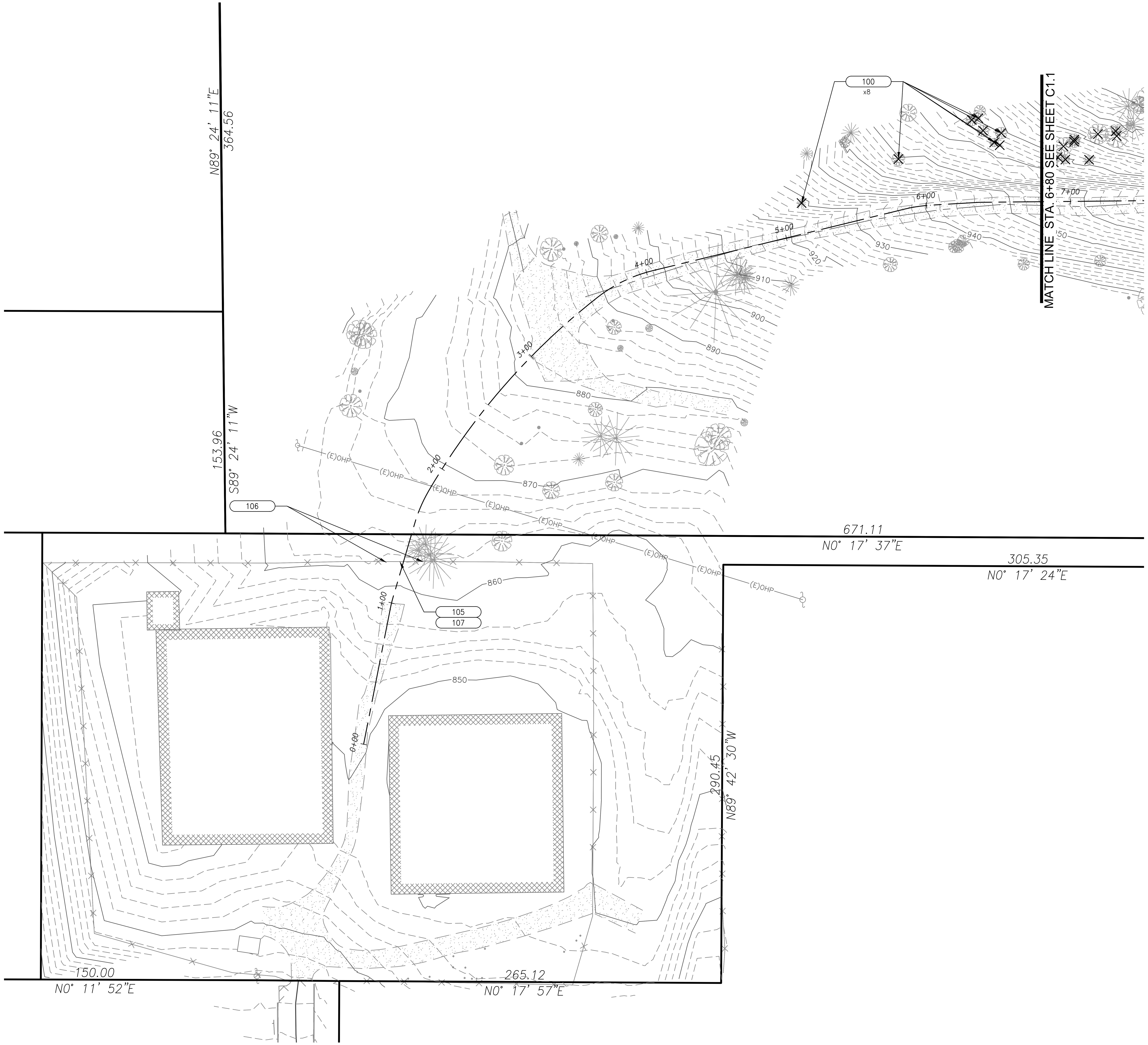
No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE RESERVOIR ACCESS DRIVEWAY

KEY MAP & TYPICAL SECTIONS

Sheet No. C0.2

DRAWN BY:	CHECKED BY:	DATE:	JOB No.
KS	NP	05/30/23	22-001L



N

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

CONSTRUCTION NOTES:

- 100 REMOVE TREE.
- 105 REMOVE FENCE.
- 106 PROTECT EXISTING FENCE.
- 107 INSTALL 20' WIDE GATE PER RD820 ON SHEET C3.0.

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CITY OF COTTAGE GROVE RESERVOIR ACCESS DRIVEWAY

EXISTING CONDITIONS & DEMOLITION

Sheet No. C1.0

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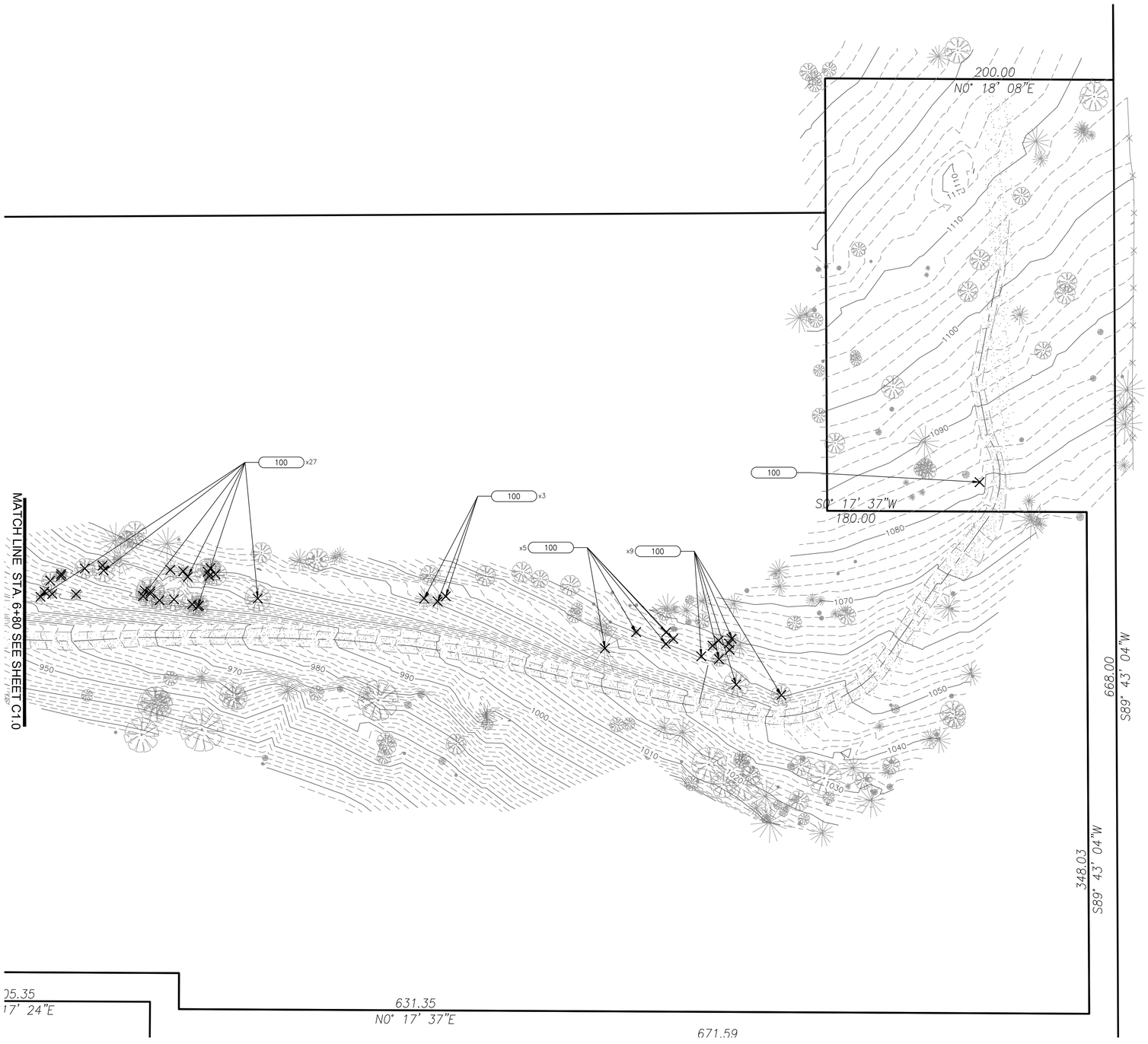

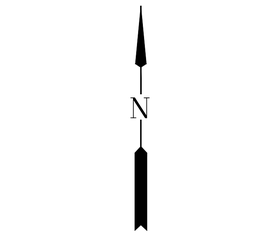

CONSTRUCTION NOTES:

100 REMOVE TREE.

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REVISIONS:

No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE
RESERVOIR ACCESS DRIVEWAY

EXISTING CONDITIONS & DEMOLITION

Sheet No. C1.1

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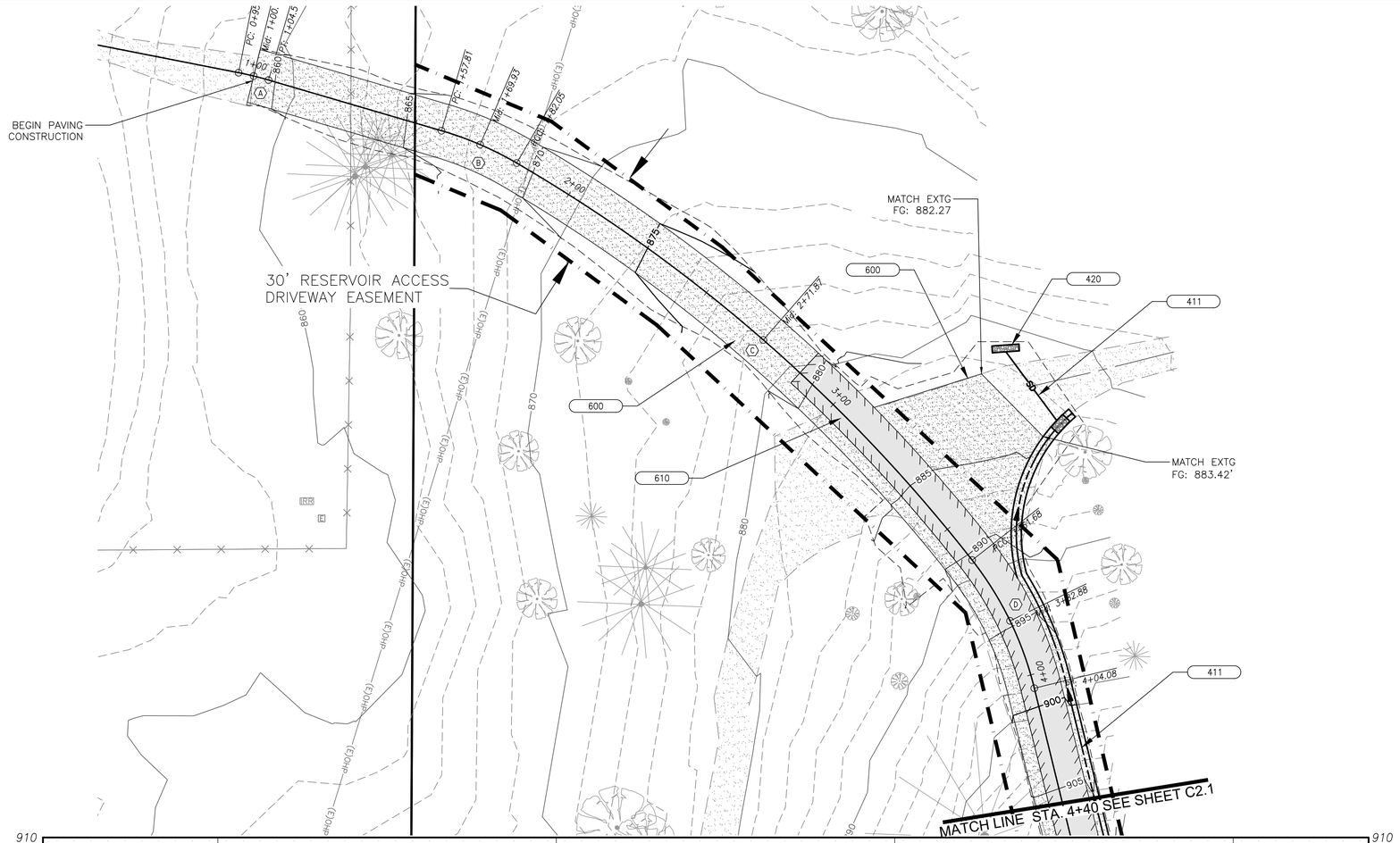
KS	NP	05/30/23	22-001L



Ⓐ CENTERLINE CURVE DATA	
Δ	5°12'29"
R	100'
L	9.09'
P.C.	0+95.45
P.T.	1+04.54
CORD LENGTH	9.09'
CORD BEARING	S76°16'17"E

Ⓑ CENTERLINE CURVE DATA	
Δ	13°53'16"
R	100'
L	24.24'
P.C.	1+57.81
P.T.	1+82.05
CORD LENGTH	24.18'
CORD BEARING	S66°43'25"E

Ⓒ CENTERLINE CURVE DATA	
Δ	121°44'58"
R	100'
L	473.22'
P.C.	1+82.05
P.T.	3+61.68
CORD LENGTH	178.56'
CORD BEARING	S48°54'18"E

Ⓓ CENTERLINE CURVE DATA	
Δ	24°17'23"
R	100'
L	42.39'
P.C.	3+61.68
P.T.	4+04.08
CORD LENGTH	42.08'
CORD BEARING	S25°53'08"E

N

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

CONSTRUCTION NOTES:

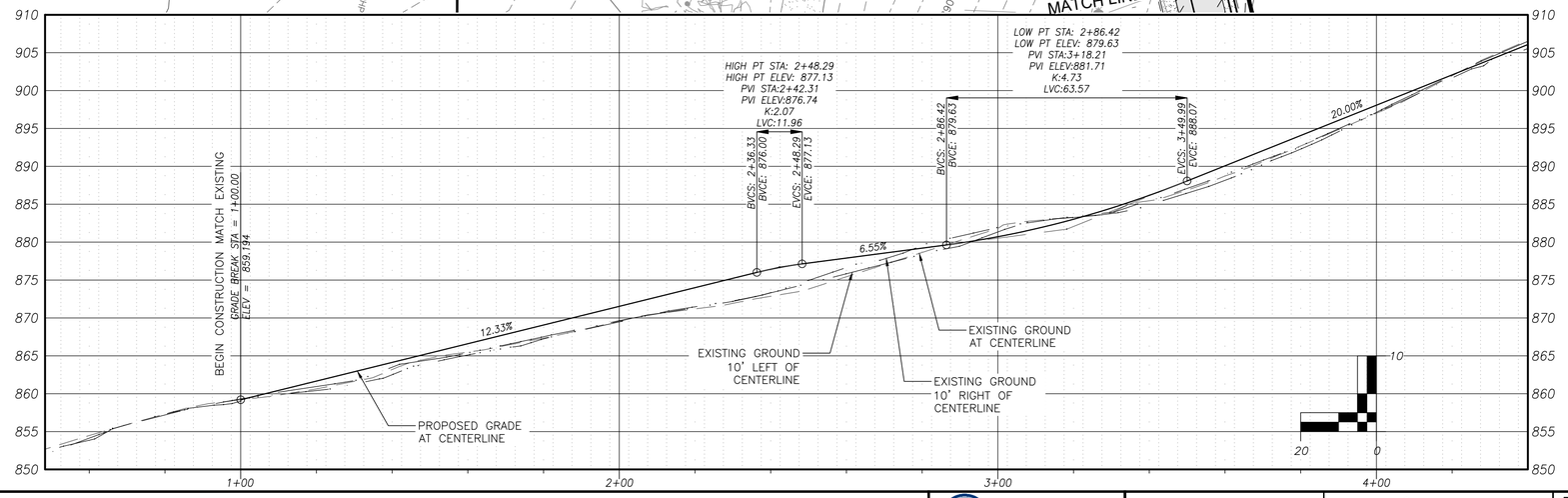
401 CONSTRUCT DRAINAGE DITCH WITH ROCK CHECK DAM PER SECTION AND DETAIL ON SHEET C3.0.

411 CONTRACTOR SHALL INSTALL NEW 8" PVC STORM PIPE WITH 6'Lx3'Wx1.5'D CLASS 50 RIP RAP PAD AT INLET PER DETAIL ON SHEET C3.0. TRENCH PER ODOT STD DWG RD300, SHEET C3.0. USE CLASS "B" BACKFILL.

420 CONSTRUCT 2'W X 8'L LEVEL SPREADER PER DETAIL ON SHEET C3.0.

600 CONSTRUCT 12" THICK 1 1/2"-0 CRUSHED ROCK BASE COURSE AND LEVELING COURSE. SEE SECTIONS ON SHEET C3.0.

610 CONSTRUCT 4" THICK LEVEL 2, 1/2" DENSE GRADED HMAC CONCRETE IN (2) 2" LIFTS. SEE SECTIONS ON SHEET C3.0.



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EXPIRES: DECEMBER 31, 2024

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REVISIONS:

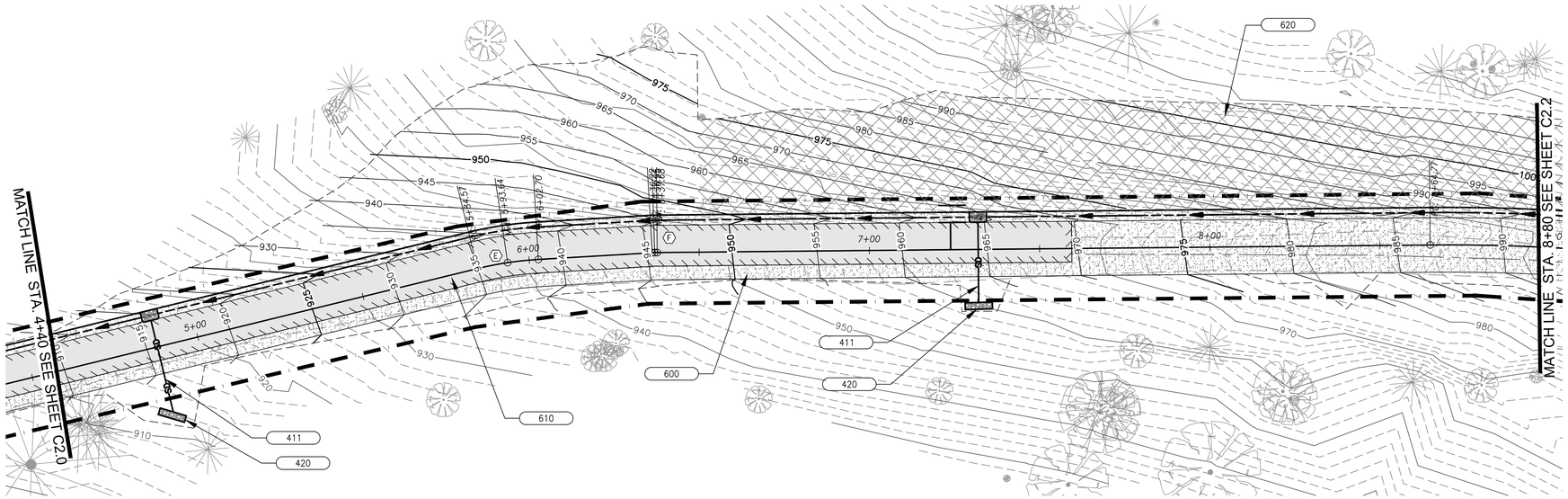
No.	DESCRIPTION	DATE

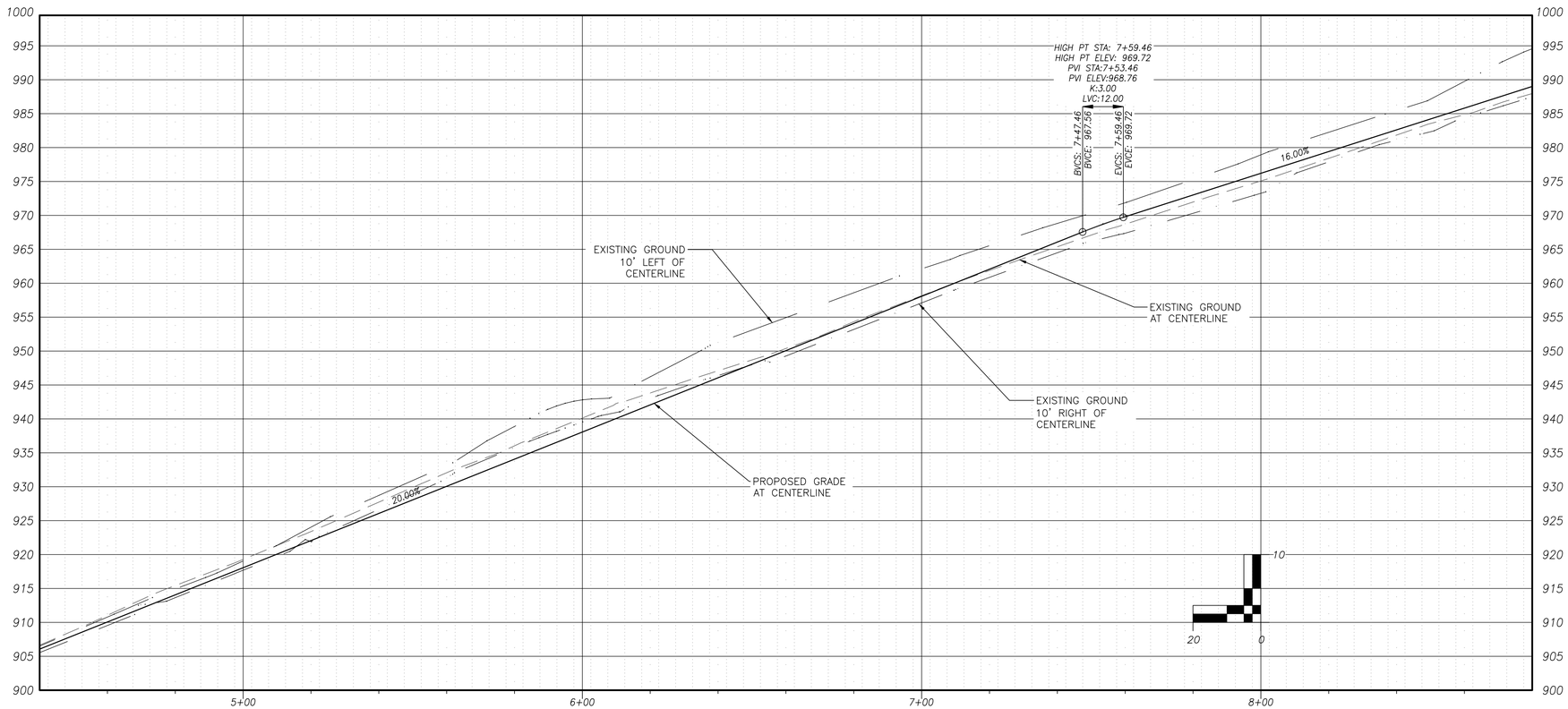
CITY OF COTTAGE GROVE RESERVOIR ACCESS DRIVEWAY

PLAN & PROFILE
STATION 1+00 - 4+40

Sheet No. C2.0

DRAWN BY:	CHECKED BY:	DATE:	JOB No.
KS	NP	05/30/23	22-001L





GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

Ⓔ CENTERLINE CURVE DATA	
Δ	24°17'23"
R	100'
L	18.13'
P.C.	5+84.57
P.T.	6+02.70
CORD LENGTH	18.11'
CORD BEARING	S8°32'47"E

Ⓕ CENTERLINE CURVE DATA	
Δ	2°47'20"
R	30'
L	1.46'
P.C.	5+84.57
P.T.	6+02.70
CORD LENGTH	1.46'
CORD BEARING	S1°57'27"E

CONSTRUCTION NOTES:

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620 CUT SLOPE MAY EXCEED 1.5H:1V. INSTALL BIODERGRADEABLE EROSION MATTING PER RD1055 ON SHEET C3.1. COORDINATE INSPECTIONS WITH ENGINEER.

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NATHAN PATTERSON
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REVISIONS:

No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE
RESERVOIR ACCESS DRIVEWAY

PLAN & PROFILE
STATION 4+40 - 8+80

Sheet No. **C2.1**

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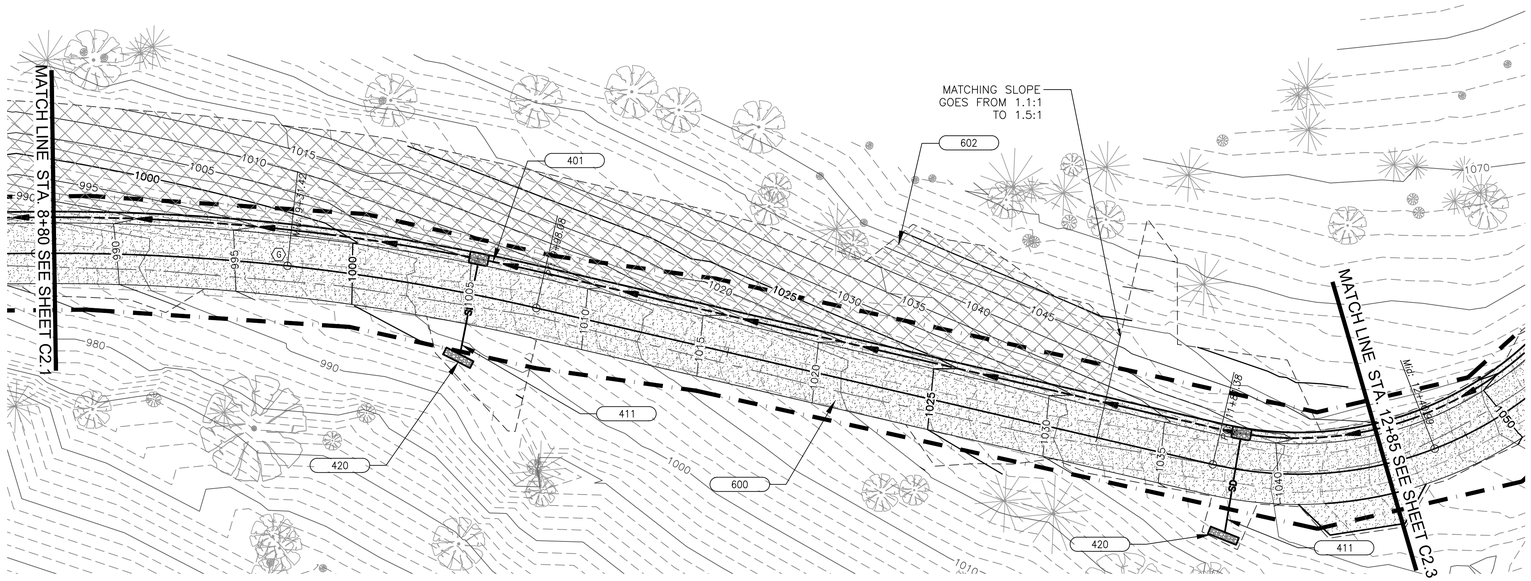
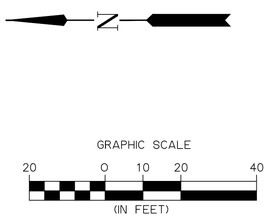
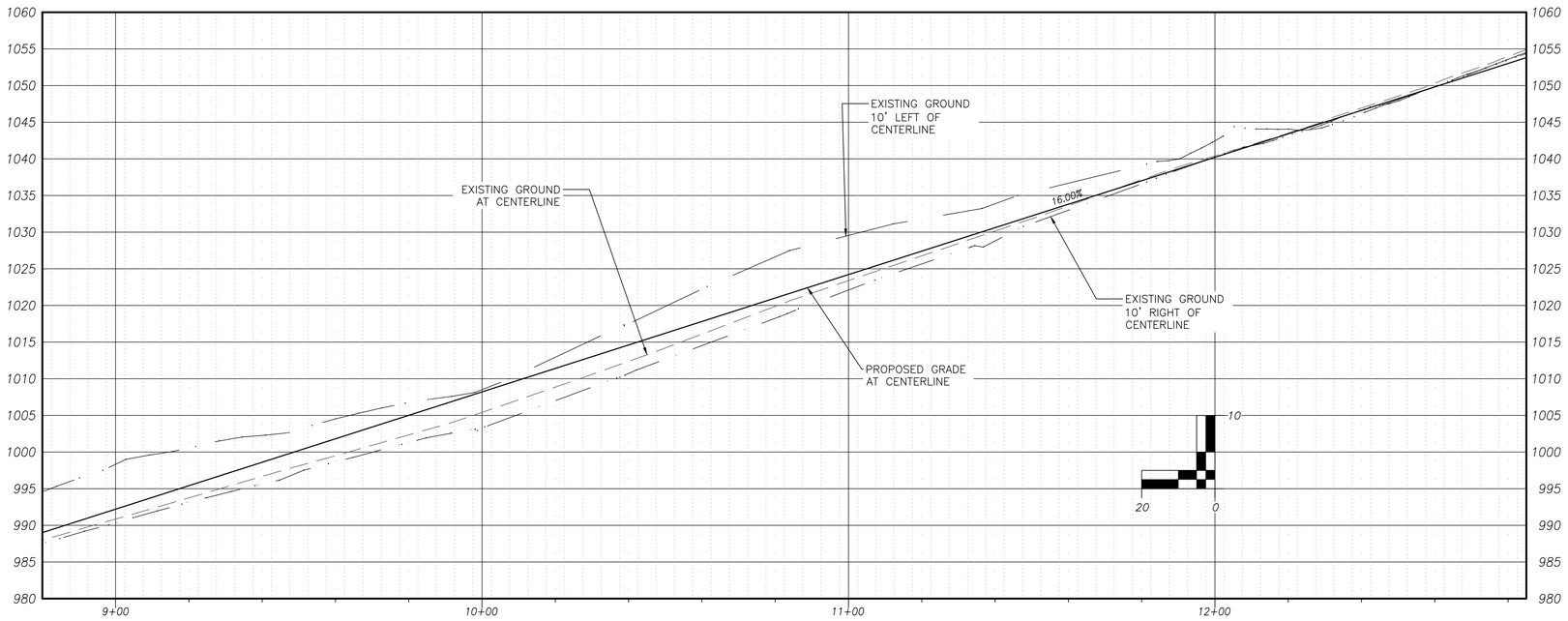


CENTERLINE CURVE DATA	
Δ	13°34'49"
R	562'
L	133.31'
P.C.	8+64.77
P.T.	9+98.08
CORD LENGTH	133'
CORD BEARING	S6°13'37"W





CONSTRUCTION NOTES:

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NATHAN PATTERSON
EXPIRES: DECEMBER 31, 2024

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

REVISIONS:

No.	DESCRIPTION	DATE

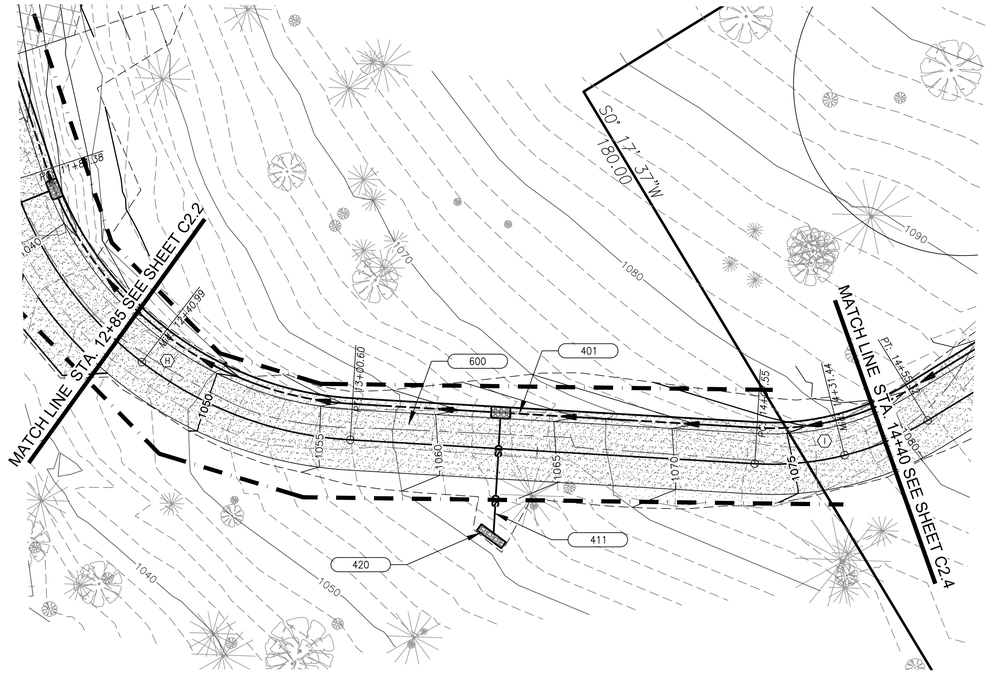
CITY OF COTTAGE GROVE
RESERVOIR ACCESS DRIVEWAY

PLAN & PROFILE
STATION 8+80 - 12+85

Sheet No. **C2.2**

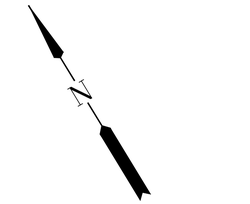
DRAWN BY:	CHECKED BY:	DATE:	JOB No.
KS	NP	05/30/23	22-001L

Plan and Profile Station 1+00-4+40



CENTERLINE CURVE DATA (H)	
Δ	68°18'32"
R	100'
L	119.22'
P.C.	11+81.38
P.T.	13+00.60
CORD LENGTH	112.29'
CORD BEARING	S21°08'14"E

CENTERLINE CURVE DATA (1)	
Δ	34°52'49"
R	78'
L	47.76'
P.C.	14+07.55
P.T.	14+55.32
CORD LENGTH	47.03'
CORD BEARING	S72°43'55"E



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400 Main Street Cottage Grove, OR 97424

REVISIONS:

No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE
RESERVOIR ACCESS DRIVEWAY

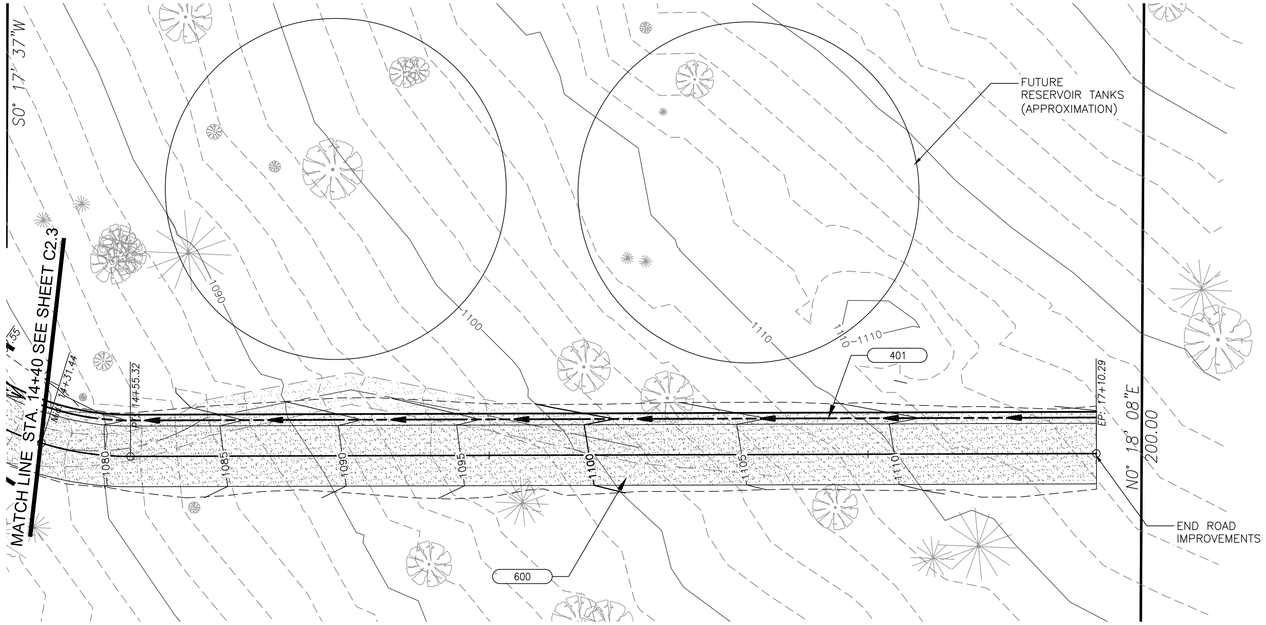
PLAN & PROFILE
STATION 12+85 - 14+40

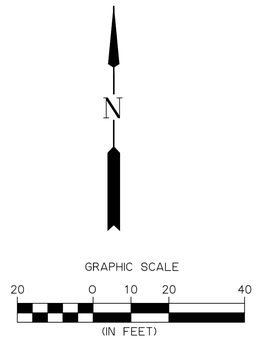
Sheet No. C2.2

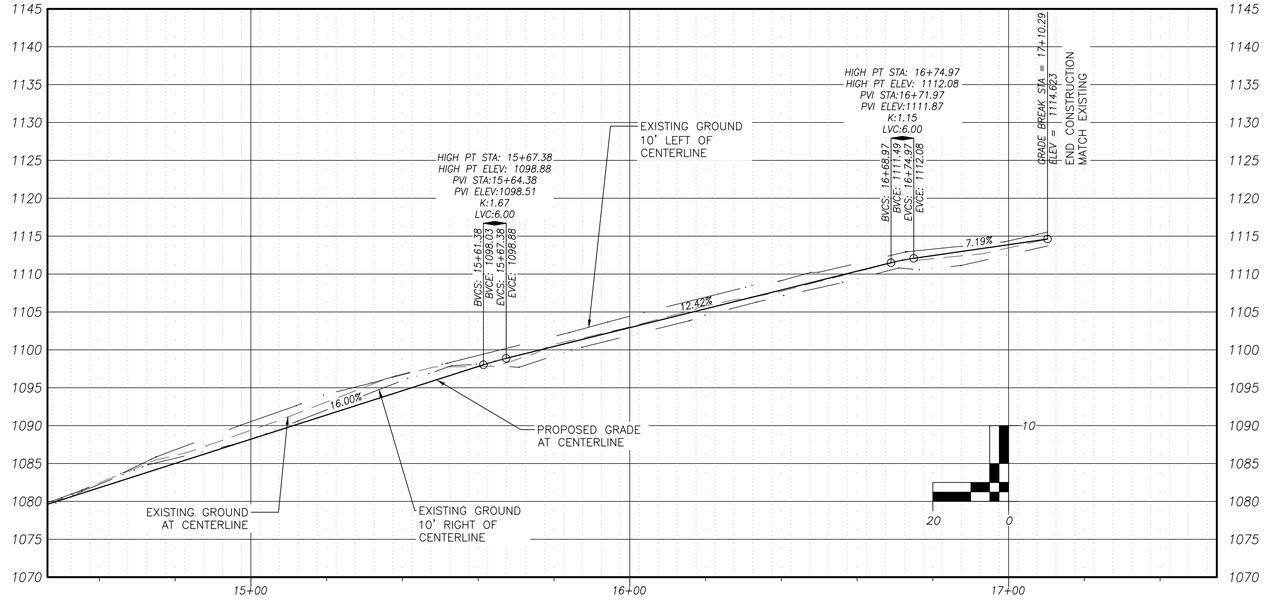
DRAWN BY:	CHECKED BY:	DATE:
KS	NP	05/30/23

JOB No. 22-001L

Plan and Profile Station 4+40-8+80







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

REVISIONS:

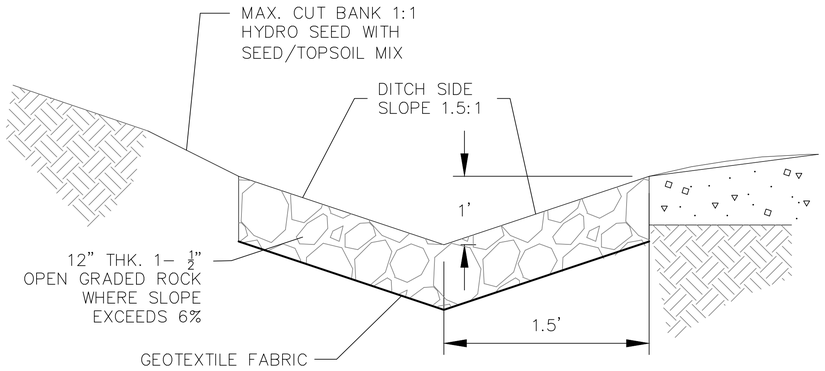
No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE
RESERVOIR ACCESS DRIVEWAY

PLAN & PROFILE
STATION 14+40 - 17+11

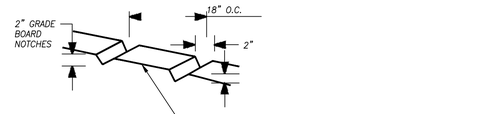
Sheet No. C2.4

DRAWN BY:	CHECKED BY:	DATE:	JOB No.
KS	NP	05/30/23	22-001L



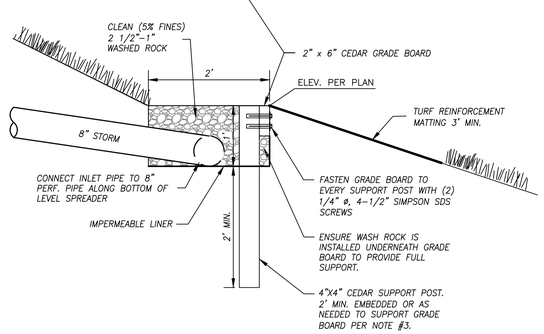
DRAINAGE DITCH

N.T.S.



NOTES:

1. THIS TRENCH SHALL BE CONSTRUCTED SO AS TO PREVENT POINT DISCHARGE AND/OR EROSION.
2. TRENCH AND GRADE BOARD MUST BE LEVEL. ALIGN TO FOLLOW CONTOURS OF SITE.
3. SUPPORT POST SPACING AS REQUIRED BY SOIL CONDITIONS TO ENSURE GRADE BOARD REMAINS LEVEL. (6' MAX SPACING)
4. SPLICE ENDS OF GRADE BOARD @ CENTERLINE OF COMMON SUPPORT POST AND FASTEN EACH GRADE BOARD TO CONNECT PER NOTE ABOVE.
5. PROVIDE SUPPORT POST WITHIN 12" OF GRADE BOARD TERMINATIONS.
6. PLANT PT 408 NATIVE WETLAND MIX DOWNSLOPE OF LEVEL SPREADER FOR VEGETATED FILTER STRIP. PLANTING TO BE BY SEPTEMBER 15TH TO ALLOW FOR ESTABLISHMENT PRIOR TO FALL RAINS.



LEVEL SPREADER & VEGETATED FILTER STRIP

SECTION VIEW

SCALE: N.T.S.

20-JUL-2020

RD300.dgn

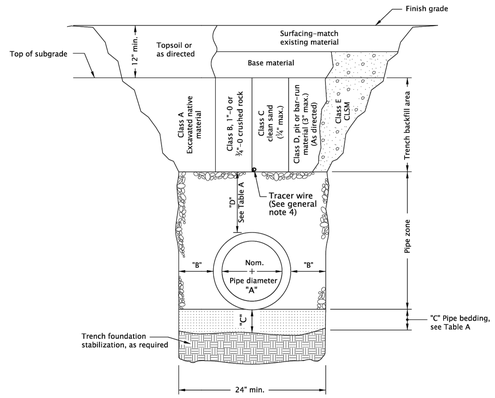
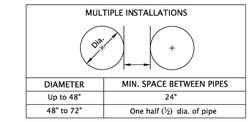


TABLE A

"A" (in)	"B" (in)	"C" (in)	"D" (in)
4	10	4	8
6	10	4	8
8	10	6	10
10	10	6	10
12	12	6	10
15	12	6	10
18	16	6	12
21	16	6	12
24	18	6	12
30	18	6	12
36	24	6	14
42	24	6	14
48	24	6	14
54	24	6	14
60	24	6	14
66	24	6	14
72	24	6	14

For pipes over 72" diameter, see general note 3.



DIAMETER	MIN. SPACE BETWEEN PIPES
Up to 48"	24"
48" to 72"	One half (½) dia. of pipe

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Surfacing of paved areas shall comply with street cut Std. Dwg. RD302.
2. For pipe installation in embankment areas where the trench method will not be used and the pipe is ≥ 36" diameter, increase dimension "B" to nominal pipe diameter.
3. Pipes over 72" diameter are structures, and are not applicable to this drawing.
4. See Std. Dwg. RD336 for tracer wire details (When required).

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

TRENCH BACKFILL, BEDDING, PIPE ZONE AND MULTIPLE INSTALLATIONS

2021

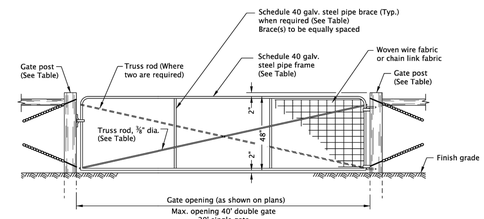
DATE	REVISION DESCRIPTION

CALC BOOK NO. N/A | SDR DATE 14-JUL-2014 | **RD300**

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

20-JUL-2020

RD820.dgn



GATE COMPONENTS							GATE POSTS ① ②					
							WOOD				STEEL	
GATE OPENING (ft)		SCHEDULE 40 GALV. STEEL PIPE FRAME		SCHEDULE 40 GALV. STEEL PIPE BRACE		TRUSS RODS	* ROUND			SQUARE	SCHEDULE 40 GALV. STEEL PIPE	
SINGLE GATE	DOUBLE GATE	NOM. DIA. (in)	MIN. WT. (lb/ft)	NUMBER	NOM. DIA. (in)	MIN. WT. (lb/ft)	DIA. OF SMALL END (in)			NOM. SIZE (in)	NOM. DIA. (in)	MIN. WT. (lb/ft)
							Min.	Max.	Min. Avg.			
UP thru 6	UP thru 12	1	1.68	–	–	–	5	7	6	6x6	2½	5.79
7 thru 11	13 thru 22	1¼	2.27	1	1	1.68	5	7	6	6x6	3½	9.11
12 thru 16	23 thru 32	1½	2.72	2	1¼	2.27	7	9	8	8x8	6	18.97
17 thru 20	33 thru 40	2	3.65	2	1¼	2.27	9	11	10	10x10	6	18.97

① Gate posts on each side of a gate opening to be the same size. At a double gate installation with unequal width gates, size of both posts to be as indicated for single gate installation of the wider gate width.

② For length, setting and bracing details see end posts, Std. Dwg. RD810.

* Max. taper 1" in 4'

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Gates shown are for use with Fence Types 1, 1–SW and 2.
2. See Std. Dwg. RD810 for details not shown.
3. See project plans for details not shown.
4. Add fence grounding as required.

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

OREGON STANDARD DRAWINGS

FENCE GATES

2021

DATE	REVISION DESCRIPTION

CALC BOOK NO. N/A | SDR DATE 23-JAN-2020 | **RD820**

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

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#79232PE
DIGITALLY SIGNED
OREGON
DEC. 31, 2014
NATHAN PATTERSON
EXPIRES: DECEMBER 31, 2024

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

REVISIONS:

No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE RESERVOIR ACCESS DRIVEWAY

DETAILS

Sheet No. **C3.0**

DRAWN BY:	CHECKED BY:	DATE:	JOB No.
KS	NP	05/30/23	22-001L

20-JAN-2021

RD1055.dgn

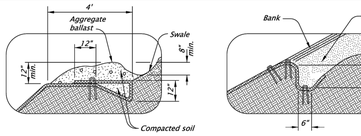


FIGURE A1:
TOP OF BANK ANCHOR TRENCH, H>3' AND TERMINAL SLOPE
NOT TO SCALE

FIGURE A2:
TOP OF BANK ANCHOR TRENCH, H<3'
NOT TO SCALE

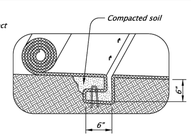


FIGURE A3:
CHANNEL CHECK SLOT
NOT TO SCALE

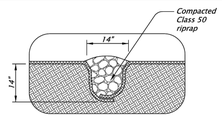


FIGURE A4:
CHANNEL CHECK SLOT WITH ROCK BACKFILL
NOT TO SCALE

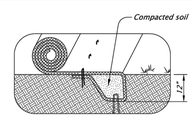
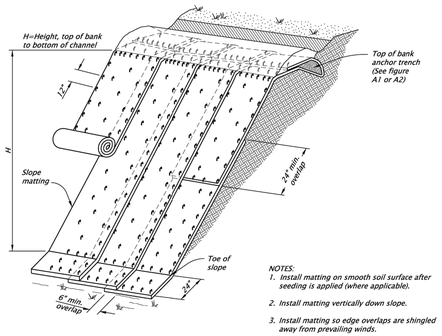


FIGURE A5:
INITIAL CHANNEL ANCHOR TRENCH
NOT TO SCALE

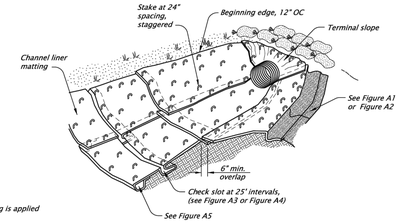


SLOPE MATTING ISOMETRIC VIEW
NOT TO SCALE

NOTES.
1. Install matting on smooth soil surface after seeding is applied (where applicable).
2. Install matting vertically down slope.
3. Install matting so edge overlaps are shingled away from prevailing winds.
4. Place fastener at 12" OC on matting edges
5. Overlap upper mat over lower mat, and fasten.
6. Stagger alternate rows of fasteners placed at 24" OC.
7. Extend mat 24" beyond toe of slope, fold mat back under 4" and fasten.
8. Matting Types A through E: Furnish fully biodegradable product. Matting with plastic or photodegradable components will not be accepted.

STAPLES
NOT TO SCALE

NOTES:
1. Install matting on smooth soil surface after seeding is applied (where applicable).
2. Install channel liner matting, in the direction of water flow. Anchor upstream end of mat with check slot for culvert outfalls, place mat under pipe 12" minimum upstream from pipe outlet.
3. Construct check slots across channel bottom at 25' spacing and at the end of each mat (Fig. A3 or A4).
4. Overlap side channel liner matting edges 6" over the center channel liner matting and fasten edges 12" OC. Continue overlap and stapling pattern for each additional side channel liner mat.
5. Lap upstream matting end 12" over beginning edge of downstream matting. Fasten 12" OC
6. Anchor top edge of side channel matting in trench and fasten 12" OC (Fig. A2).
7. Fasten matting interior at 24" OC with staggered spacing.
8. Construct initial anchor trench at downstream end of matting and terminal slope anchor at upstream end.
9. Matting Types A through E: Furnish fully biodegradable product. Matting with plastic or photodegradable components will not be accepted.



CHANNEL MATTING ISOMETRIC VIEW
NOT TO SCALE

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OREGON STANDARD DRAWINGS

SLOPE AND CHANNEL MATTING

2021

DATE	REVISION DESCRIPTION
01-2021	REMOVED CALC BOOK NUMBERS

CALC. BOOK NO. _ _ _ N/A _ _ _ | SDR DATE: 20-JAN-2021 | **RD1055**

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CITY OF COTTAGE GROVE
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DETAILS

Sheet No. **C3.1**

DRAWN BY:	CHECKED BY:	DATE:
KS	NP	05/30/23

JOB No. 22-001L

RESERVOIR ACCESS ROAD
CONSTRUCTION SITE MANAGEMENT PLAN
1200-C PERMIT APPLICATION
COTTAGE GROVE, LANE COUNTY, OREGON

BMP MATRIX FOR CONSTRUCTION PHASE

BMP	CLEARING/ DEMO	MASS GRADING/ UTILITY CONSTRUCTION	VERTICAL CONSTRUCTION	FINAL STABILIZATION
BIOBAGS				
BIOSWALES				
CHECK DAMS				
COMPOST BERM				
COMPOST BLANKETS				
COMPOST SOCKS				
CONCRETE TRUCK WASHOUT				
CONSTRUCTION ENTRANCE	X	X		
DEWATERING (TREATMENT LOCATION, SCHEMATIC & SAMPLING PLAN REQUIRED)				
DRAINAGE SWALES				
EARTH DIKES (STABILIZED)				
ENERGY DISSIPATERS				
EROSION CONTROL BLANKETS AND MATS (SPECIFY TYPE)				
HYDROSEEDING				
INLET PROTECTION		X		
MULCHES (SPECIFY TYPE)				X
MYCORRHIZAE/BIOFERTILIZERS				
NATURAL BUFFER ZONES				
ORANGE FENCING (PROTECTING SENSITIVE/PRESERVED AREAS)				
OUTLET PROTECTION				X
PERMANENT SEEDING AND PLANTING				X
PIPE SLOPE DRAINS				
PLASTIC SHEETING	X	X		
PRESERVE EXISTING VEGETATION	X	X		X
SEDIMENT FENCE	X	X		X
SEDIMENT BARRIER	X	X		X
SEDIMENT TRAP				
SODDING				
SOIL TRACKIFIERS				
STORM DRAIN INLET PROTECTION				
STRAW WATTLES (OR OTHER MATERIALS)				
TEMPORARY DIVERSION DIKES				
TEMPORARY OR PERMANENT SEDIMENTATION BASINS				
TEMPORARY SEEDING AND PLANTING				
TREATMENT SYSTEM (OPERATION &MAINTENANCE PLAN REQUIRED)				
UNPAVED ROADS GRAVELED OR OTHER BMP ON ROAD				
VEGETATIVE BUFFER STRIPS				

INSPECTION SCHEDULE

SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD	ON INITIAL DATE THAT LAND DISTURBANCE ACTIVITIES COMMENCE. WITHIN 24 HOURS OF ANY STORM EVENT, INCLUDING RUNOFF FROM SNOW MELT, THAT RESULTS IN DISCHARGE FROM THE SITE. AT LEAST ONCE EVERY 14 DAYS, REGARDLESS OF WETHER STORMWATER RUNOFF IS OCCURRING.
2. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS	THE INSPECTOR MAY REDUCE THE FREQUENCY OF INSPECTIONS IN ANY AREA OF THE SITE WHERE THE STABILIZATION STEPS IN SECTION 2.2.20 HAVE BEEN COMPLETED TO TWICE PER MONTH FOR THE FIRST MONTH, NO LESS THAN 14 CALENDAR DAYS APART, THEN ONCE PER MONTH.
3. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER	IF SAFE, ACCESSIBLE AND PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT DISCHARGE POINT OR DOWNSTREAM LOCATION OF THE RECEIVING WATERBODY.
4. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE SUSPENDED AND RUNOFF IS UNLIKELY DUE TO FROZEN CONDITIONS.	VISUAL MONITORING INSPECTIONS MAYBE TEMPORARILY SUSPENDED. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.
5. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE CONDUCTED AND RUNOFF IS UNLIKELY DURING FROZEN CONDITIONS.	VISUAL MONITORING INSPECTIONS MAYBE REDUCED TO ONCE A MONTH. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

RATIONAL STATEMENT

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DEQ'S GUIDANCE MANUAL HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMPs WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS. INCLUDING SOIL CONDITIONS TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS. AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESC PLAN. AN ACTION PLAN WILL BE SUBMITTED

AUTHORIZED NON-STORMWATER DISCHARGES

1. WATER AND ASSOCIATED DISCHARGES FROM EMERGENCY FIREFIGHTING ACTIVITIES
2. FIRE HYDRANT FLUSHING
3. PROPERLY MANAGED LANDSCAPING IRRIGATION
4. WATER USED TO WASH EQUIPMENT AND VEHICLES (EXCLUDING THE ENGINE, UNDERCARRIAGE, AND WHEELS/TIRES) PROVIDED THERE IS NO DISCHARGE OF SOAPS, SOLVENTS, OR DETERGENTS USED
5. WATER USED TO CONTROL DUST
6. POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHINGS
7. EXTERNAL BUILDING WASHDOWN, PROVIDED SOAPS, SOLVENTS, AND DETERGENTS ARE NOT USED, AND EXTERNAL SURFACES DO NOT CONTAIN HAZARDOUS SUBSTANCES
8. PAVEMENT WASH WATERS, PROVIDED SPILLS OR LEAKS OF TOXIC OR HAZARDOUS SUBSTANCES HAVE NOT OCCURRED (UNLESS ALL SPILL MATERIAL HAS BEEN REMOVED) AND WHERE SOAPS, SOLVENTS, AND DETERGENTS ARE NOT USED. DIRECTING PAVEMENT WASH WATERS INTO ANY SURFACE WATER, STORM DRAIN INLET, OR STORMWATER CONVEYANCE IS PROHIBITED, UNLESS THE CONVEYANCE IS CONNECTED TO A SEDIMENT BASIN, SEDIMENT TRAP, OR SIMILARLY EFFECTIVE CONTROL FOR THE POLLUTANTS PRESENT. PER 2.2.19.b, HOSING OF ACCUMULATED SEDIMENTS ON PAVEMENT INTO ANY STORMWATER CONVEYANCE IS PROHIBITED
9. UNCONTAMINATED, NON-TURBID DISCHARGES OF GROUNDWATER OR SPRING WATER
10. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS OR CONTAMINATED GROUNDWATER
11. CONSTRUCTION DEWATERING ACTIVITIES (INCLUDING GROUNDWATER DEWATERING AND WELL DRILLING DISCHARGE ASSOCIATED WITH THE REGISTERED CONSTRUCTION ACTIVITY), PROVIDED THAT:
    a. THE WATER IS LAND APPLIED IN A WAY THAT RESULTS IN COMPLETE INFILTRATION WITH NO POTENTIAL TO DISCHARGE TO A SURFACE WATER OF THE STATE, OR THE USE OF A SANITARY OR COMBINED SEWER DISCHARGES AUTHORIZED WITH LOCAL SEWER DISTRICT APPROVAL, OR
    b. BEST MANAGEMENT PRACTICES AND A TREATMENT SYSTEM APPROVED BY DEQ OR AGENT (SEE SECTION 1.2.9) ARE USED TO ENSURE COMPLIANCE WITH DISCHARGE AND WATER QUALITY REQUIREMENTS IN SECTION 2.4

DEQ GENERAL NOTES

1. ONCE KNOWN, INCLUDE A LIST OF ALL CONTRACTORS THAT WILL ENGAGE IN CONSTRUCTION ACTIVITIES ON SITE, AND THE AREAS OF THE SITE WHERE THE CONTRACTOR(S) WILL ENGAGE IN CONSTRUCTION ACTIVITIES. REVISE LIST AS APPROPRIATE UNTIL PERMIT COVERAGE IS TERMINATED (SECTION 4.4.c.i). IN ADDITION, INCLUDE A LIST OF ALL PERSONNEL (BY NAME AND POSITION) THAT ARE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF STORMWATER CONTROL MEASURES (e.g. ESCP DEVELOPER, BMP INSTALLER (SEE SECTION 4.10), AS WELL AS THEIR INDIVIDUAL RESPONSIBILITIES. (SECTION 4.4.c.ii)
2. VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SECTION 6.5)
3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SECTION 6.5.Q)
4. RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. (SECTION 4.7)
5. THE PERMIT REGISTRANT MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SECTIONS 4 AND 4.11)
6. THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SECTION 4.8)
7. SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT WITHIN 10 DAYS. (SECTION 4.9)
8. SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SECTION 2.2.2)
9. CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING. (SECTION 2.2.3)
10. IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER AREAS. (SECTION 2.2.1)
11. PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (SECTION 2.2.5)
12. MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE. (SECTION 2.2.4)
13. INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. (SECTIONS 2.1.3)
14. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAMBANKS. (SECTIONS 2.1.1. AND 2.2.16)
15. CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY. (SECTIONS 2.2.6 AND 2.2.13)
16. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SECTION 2.2.14)
17. APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATIONS MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS.(SECTIONS 2.2.20 AND 2.2.21)
18. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SECTION 2.3.7)
19. KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (E.G., A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS (E.G., SECONDARY CONTAINMENT). (SECTION 2.3.7)
20. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPS SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMPS MUST BE IN PLACE PRIOR TO LAND- DISTURBING ACTIVITIES. (SECTION 2.2.7)
21. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SECTION 2.2.7.F)
22. CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. (SECTIONS 1.5 AND 2.3.9)
23. ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ARE NOT DISTURBED. (SECTION 2.2.10)
24. PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED. (SECTION 2.2.12)
25. USE BMPS TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER, PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (SECTIONS 2.2.15 AND 2.3)
26. PROVIDE PLANS FOR SEDIMENTATION BASINS THAT HAVE BEEN DESIGNED PER SECTION 2.2.17 AND STAMPED BY AN OREGON PROFESSIONAL ENGINEER. (SEE SECTION 2.2.17.A)
27. IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/IMPOUNDMENT MUST BE INSTALLED. (SEE SECTIONS 2.2.17 AND 2.2.18)
28. PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES. (SEE SECTION 2.4)
29. IMPLEMENT THE FOLLOWING BMPS WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES. (SECTION 2.3)
30. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SECTION 2.2.9)
31. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (SECTION 2.3.5)
32. IF AN ACTIVE TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN ENVIRONMENTAL MANAGEMENT PLAN APPROVAL FROM DEQ BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SECTION 1.2.9)
33. TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. (SECTION 2.2)
34. AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMPS MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. (SECTION 2.2.8)
35. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SECTION 2.1.5.B)
36. OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. (SECTION 2.1.5.C)
37. CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT. (SECTION 2.1.5.D)
38. WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT 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 TIMEFRAME. (SECTION 2.2.19.A)
39. THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SECTION 2.2.19)
40. DOCUMENT ANY PORTION(S) OF THE SITE WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS. (SECTION 6.5.F.)
41. PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SECTION 2.2.20)
42. DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, ALL TEMPORARY EROSION CONTROLS AND RETAINED SOILS MUST BE REMOVED AND DISPOSED OF PROPERLY, UNLESS NEEDED FOR LONG TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE. (SECTION 2.2.21)

EROSION & SEDIMENT CONTROL PLAN (ESCP) NOTES

1. PRIOR TO ANY GROUND DISTURBANCE ON THE SITE ONE INSPECTION WITH DEQ STAFF IS REQUIRED. ISSUANCE OF THIS PLAN DOES NOT RELIEVE THE PERMIT HOLDER AND/OR THE CONTRACTOR FROM ALL OTHER PERMITTING REQUIREMENTS. PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES, ALL OTHER NECESSARY APPROVALS SHALL BE OBTAINED.
2. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DOES NOT LEAVE THE SITE.
3. THE IMPLEMENTATION OF THE ESCP AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THE EROSION AND SEDIMENT CONTROL MEASURES IS THE RESPONSIBILITY OF THE PERMIT HOLDER AND/OR THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
4. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD BY THE ENGINEER PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE PERMIT HOLDER AND/OR THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
5. THE EROSION AND SEDIMENT CONTROL MEASURES ON ACTIVE SITES SHALL BE INSPECTED AND MAINTAINED DAILY AND WITHIN THE 24 HOURS AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF RAIN PER 24 HOUR PERIOD. MEASURES SHALL BE INSPECTED BY THE PERMIT HOLDER AND/OR THE CONTRACTOR AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS OR ADJUSTMENTS SHALL BE MADE IMMEDIATELY. THE EROSION AND SEDIMENT CONTROL MEASURES ON INACTIVE SITES SHALL BE INSPECTED A MINIMUM OF ONCE EVERY TWO (2) WEEKS OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.
6. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROTECTED FROM DAMAGE AT ALL TIMES. CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT RE-VEGETATION HAS BEEN STABILIZED. ANY MEASURE THAT IS DAMAGED OR DESTROYED SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
7. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON (OCTOBER 1 TO APRIL 30) OR SEVEN DAYS DURING THE DRY SEASON (MAY 1 TO SEPTEMBER 30) SHALL BE IMMEDIATELY STABILIZED WITH AN APPROVED ESC METHOD (SEEDING & MULCHING WITH STRAW, BARK, COMPOST, OR PLASTIC COVERING, ETC.).
8. STREET SWEEPING SHALL BE PERFORMED AS NEEDED OR WHEN DIRECTED BY THE CITY INSPECTOR TO ENSURE PUBLIC RIGHTS-OF-WAY ARE KEPT CLEAN AND FREE OF DEBRIS. STREET FLUSHING IS PROHIBITED.
9. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER WATER-TIGHT TRUCKS SHALL BE USED OR LOADS SHALL BE DRAINED ON SITE UNTIL DRIPPING HAS BEEN REDUCED TO NO MORE THAN ONE GALLON PER HOUR. SEDIMENT LADEN WATER WILL NOT BE ALLOWED TO ENTER THE STORM WATER SYSTEM.
10. EXTRACTED GROUND WATER FROM EXCAVATED TRENCHES SHALL BE DISPOSED OF IN A SUITABLE MANNER WITHOUT DAMAGE TO ADJACENT PROPERTY, CITY'S STORM WATER SYSTEM, WATER FEATURES, AND RELATED NATURAL RESOURCES. APPROVAL OF A DEWATERING SYSTEM DOES NOT GUARANTEE THAT IT WILL MEET COMPLIANCE OR BE ACCEPTABLE FOR USE IN ALL SITUATIONS. MODIFICATIONS TO THE DEWATERING SYSTEM WILL BE REQUIRED IF COMPLIANCE CAN NOT BE MET. AT NO TIME WILL SEDIMENT LADEN WATER BE ALLOWED TO LEAVE THE CONSTRUCTION SITE.
11. A SUPPLY OF MATERIALS NECESSARY TO MEET COMPLIANCE AND IMPLEMENT THE ESCP OR OTHER BEST MANAGEMENT EROSION PRACTICES UNDER ALL WEATHER CONDITIONS SHALL BE MAINTAINED AT ALL TIMES ON THE CONSTRUCTION SITE.
12. NO HAZARDOUS SUBSTANCES, SUCH AS PAINT, THINNERS, FUELS, AND OTHER CHEMICALS SHALL BE RELEASED ONTO THE SITE, ADJACENT PROPERTIES, OR INTO WATER FEATURES, THE CITY'S STORM WATER SYSTEM, OR RELATED RESOURCES.
13. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES DURING THE WET SEASON (OCTOBER 1 TO APRIL 30) AND OF MONTHLY REVIEWS DURING THE DRY SEASON (MAY 1 TO SEPTEMBER 30).

SAWCUTTING MEASURES

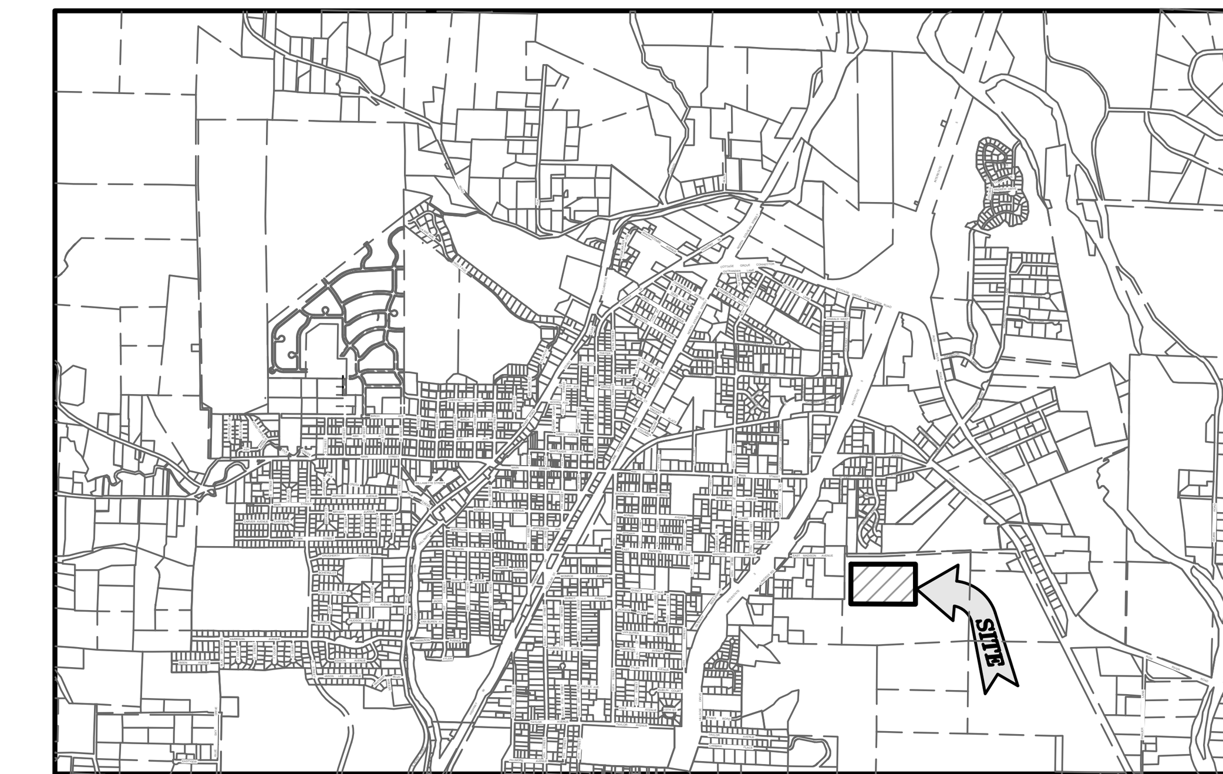
IF SAWCUTTING, CONTRACTOR SHALL FOLLOW THIS THREE-STEP PROCEDURE TO ELIMINATE DISCHARGE.

1. BLOCK DRAINS. LOCATE ALL NEARBY STORM DRAIN INLETS, CULVERTS, AND CATCH BASINS THROUGH WHICH SLURRY DISCHARGES MAY ENTER A WATERWAY. IF YOU ARE WITHIN ACCESS OF A STORM DRAIN INLET, BLOCK THE PATH TO THE NEAREST DRAIN. EITHER DIVERT FLOWS OR BERM INLETS TO POOL WATER AWAY FROM DRAINS. ANOTHER OPTION IS TO SEAL OR PLUG THE INLET.
2. MINIMIZE SLURRY MOVEMENT. SLURRY AND SEDIMENT FROM SAWCUTTING OPERATIONS SHOULD BE CONFINED TO THE IMMEDIATE WORK AREA BY USING TEMPORARY BERMS OR DIVERSION STRUCTURES. MINIMIZE THE TRACKING OF SLURRY OFF SITE BY CARS AND PEDESTRIANS.
3. REMOVE SLURRY. EFFICIENTLY AND EFFECTIVELY COLLECT AND REMOVE ALL SLURRY AND RUNOFF FROM THE SAW CUTTING OPERATION AS SOON AS POSSIBLE. BE SURE TO INCLUDE REMOVAL OF ANY SLURRY COLLECTED IN OR NEAR THE STORM DRAIN INLETS BY PUMPING TO A COLLECTION VESSEL OR USING A WET/DRY VACUUM. IT MAY BE NECESSARY TO USE A STREET SWEEPER OR WASH DOWN THE AREA AND COLLECT THE WATER. NO SLURRY OR WASHWATER IS ALLOWED TO DRAIN OFF SITE. SLURRY AND WASH WATER MAY BE DISPOSED OF ON SITE WHERE IT CAN FILTER INTO THE GROUND. OTHERWISE, DISPOSE OF ALL COLLECTED SLURRY AND WASH WATER PROPERLY. ONE WAY IS TO ALLOW COLLECTED SLURRY TO SETTLE AND DECANT THE WATER ONTO THE GROUND OR, WITH APPROVAL, INTO THE SANITARY SEWER WITH APPROVAL. DISPOSE OF THE SOLIDS APPROPRIATELY.

WET WEATHER PERMIT CONDITIONS

1. WET WEATHER EROSION PREVENTION MEASURES WILL BE IN EFFECT FROM OCTOBER 1 THROUGH APRIL 30.
2. SOIL EXPOSED FOR MORE THAN 2 DAYS SHALL BE COVERED WITH PLASTIC SHEETING, MATTING, OR A 2-INCH LAYER OF MULCH, BARK, WOOD CHIPS, SAWDUST, OR STRAW TO MINIMIZE EROSION POTENTIAL.
3. EXPOSED SOILS SHALL BE SEEDED NO LATER THAN SEPTEMBER 1ST TO ALLOW TIME FOR PROPER GERMINATION AND GROWTH BEFORE THE WET WEATHER SEASON.

N



VICINITY MAP — *NOT TO SCALE*

SHEET INDEX

OWNER/APPLICANT

CITY OF COTTAGE GROVE
CONTACT: FAYE STEWART
400 E MAIN STREET
COTTAGE GROVE, OR 97424
PHONE: T(541) 942-3349
E-MAIL: pwdirector@cottagegrove.org

CESCL:

COMPANY NAME: *TBD*
CONTACT: TBD
PHONE: TBD
E-MAIL: TBD
QUALIFICATION PROGRAM:
TBD
CERTIFICATION/ID NUMBER: TBD
EXPIRATION DATE: TBD

BMP INSTALLER/MAINTAINER

CONTRACTOR NAME: *TBD*
CONTACT: TBD
ADDRESS: TBD
PHONE: TBD
EMAIL: TBD

RAIN GAUGE LOCATION

STATION "ROW RIVER NAER COTTAGE GROVE"
LAT/LONG: 43.7929, -122.9915
APPROXIMATELY 3.60 MI. EAST OF SITE.
(https://waterdata.usgs.gov)

ENGINEER/ESCP PREPARER

BRANCH ENGINEERING, INC.
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310 5th STREET
SPRINGFIELD, OREGON 97477
OFFICE: (541) 746-0637
EMAIL: nathanp@branchengineering.com

SURVEYOR

BRANCH ENGINEERING, INC.
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OFFICE: (541) 746-0637
EMAIL: dann@branchengineering.com

CONTRACTOR

CONTRACTOR NAME: *TBD*
CONTACT: TBD
ADDRESS: TBD
PHONE: TBD
EMAIL: TBD

LIST OF SUBCONTRACTORS

TO BE DETERMINED
SUB-CONTRACTORS WILL BE ADDED TO THE LIST AS BIDS ARE RECEIVED AND WILL BE KEPT ON SITE AND MANAGED BY MEILI CONSTRUCTION.

SITE INFORMATION

TYPE OF DEVELOPMENT: THE PROJECT ADDRESSED BY THIS EROSION AND SEDIMENT CONTROL PLAN CONSISTS OF AN ACCESS ROAD FOR A NEW WATER RESERVOIR.

1. CONSTRUCTION ACTIVITY WILL CONSIST OF:
    a. CLEARING AND MASS GRADING
    b. UTILITY CONSTRUCTION
    c. PARKING LOT PAVING
    d. CONSTRUCTION OF MULTI-FAMILY APARTMENT BUILDINGS
2. PROJECT TIMELINE:
    - CLEARING: SUMMER, 2023
    - MASS GRADING: SUMMER, 2023
    - UTILITY CONSTRUCTION: SUMMER, 2023
    - VERTICAL CONSTRUCTION: SUMMER, 2023
    - FINAL STABILIZATION: SUMMER, 2023
3. PROJECT HOURS: MONDAY-SATURDAY, 7AM-7PM
4. PROJECT SITE AREAS:
    - TOTAL AREA: 1.58 AC
    - DISTURBED AREA: 1.58 AC
    - PERCENT OF SITE DISTURBED: 100%
    - OFFSITE PUBLIC IMPROVEMENT AREA: N/A
    - IMPROVEMENT LENGTH: N/A
5. ONSITE SOIL TYPES:
    - 12E BELLPINE COBBLY SILTY CLAM LOAM, 2-30% SLOPE
    - 63D JORY SILTY CLAY LOAM, 12-20% SLOPE
    - 89D NEKIA SILTY CLAY LOAM, 12-20% SLOPE
    - 89E NEKIA SILTY CLAY LOAM, 20-30% SLOPE
    - 89F NEKIA SILTY CLAY LOAM, 30-50% SLOPE
    - 113C RITNER COBBLY SILTY CLAY LOAM, 2-12% SLOPE
6. EXCAVATION:

    ROUGH GRADING WILL BE NECESSARY TO ACHIEVE PROPOSED GRADES. ANY SUITABLE EXCAVATION MATERIAL WILL BE USED AS FILL IN LOW AREAS.

    FILL SHALL BE STRUCTURAL.
7. *CUT AND FILL DATA:*
    CUT: 5568 CUBIC YARDS
    FILL: 339 CUBIC YARDS
    (CONTRACTOR TO VERIFY)

GRADING, STREET AND UTILITY EROSION CONTROL CONSTRUCTION NOTES

1. PERMANENT PLANTINGS SHALL BE PER LANDSCAPE PLANS.
2. SLOPE TO RECEIVE PERMANENT SEEDED COMPOST SHALL HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND REDUCED RUN-OFF VELOCITY.
3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH SUNMARK NATIVE EC MIX OR APPROVED ALTERNATE.
4. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
5. STOCKPILED SOIL OR STRIPPING SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
6. EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THOUGH THE USE OF TEMPORARY SEEDING AND MULCHING, SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
7. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, STRAW MULCHING, OR OTHER APPROVED MEASURES.
8. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
9. ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED.
10. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
11. AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORM WATER SYSTEM (MINIMUM 50 FEET AWAY FROM STORM FACILITY, NATURAL RESOURCE PROTECTION AREA OR STORM WATER DISCHARGE POINT. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHED 50% OF THE CAPACITY.
12. SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
13. AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF IN TO THE STORM WATER SYSTEM.
14. COVER CATCH BASINS, MANHOLES, AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTRODUCING THESE MATERIALS TO THE STORM WATER SYSTEM.

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DIGITALLY SIGNED
OREGON
DEC. 21, 2011
NATHAN PATTERSON
EXPIRES: DECEMBER 31, 2024

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

REVISIONS:

No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE
RESERVOIR ACCESS DRIVEWAY

EROSION CONTROL
COVER SHEET & NOTES

DRAWN BY:	CHECKED BY:	DATE:	Sheet No.
KS	NP	05/30/23	EC0.0

JOB No. 22-001L

SPILL RESPONSE

CONTRACTOR SHALL HAVE SPILL KITS AT THE PROJECT SITE AT ALL TIMES. THERE SHALL BE SIGNAGE MOUNTED IN APPROPRIATE LOCATIONS STATING "SPILL KIT INSIDE." CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SPILL KITS AND TRAINING EMPLOYEES ON HOW TO USE THEM.

IN THE EVENT OF A SPILL, CONTRACTOR SHALL PROCEDE AS FOLLOWS:

- *DETERMINE TYPE OF SPILL, AND BEST ACTION TO REMOVE SPILL*
- *IF SPILL IS TOO LARGE TO CONTAIN, OR CLEAN, CALL EMERGENCY SERVICES (911, OR EMERGENCY CLEAN–UP TEAMS SUCH AS NORTHWEST HAZMAT, OR ENVIRONMENTAL CONTROL)*
- *CONTAIN SPILL*
- *CLEAN AND DISPOSE OF SPILL*

ONCE ALL SUBCONTRACTORS ARE UNDER CONTRACT, GENERAL CONTRACTOR SHALL PROVIDE A FULL LIST OF POLLUTANTS THEY WILL HAVE ONSITE. THIS LIST SHALL BE KEPT ON SITE WITH THE GENERAL CONTRACTOR.

NOTES

1. *ENTIRE LIMITS OF DISTURBANCE MAY BE SUBJECTED TO POLLUTANTS, & EQUIPMENT TRAFFIC. CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING SITE AND ANY POTENTIAL POLLUTANT DISCHARGE.*

PROJECCT SITE CONTRACTOR LIST

CONTRACTOR COMPANY NAME	*CLEARING*	*MASS GRADING/ UTILITY CONSTRUCTION/ VERTICAL CONSTRUCTION*	*FINAL STABILIZATION*
GENERAL:			
TBD	*X*	*X*	*X*
SUBCONTRACTORS:			
NOT APPLICABLE AT THIS TIME			

THIS PLAN SHEET WAS SETUP FOR CONTRACTOR USE AS NEEDED TO AID IN MAINTAINING ACTIVE SUBCONTRACTOR AND POLLUTANT LISTS AND IS SEPARATE FROM THE CIVIL SHEETS.

CONTRACTOR TO ADD TO EROSION AND SEDIMENT CONTROL SITE PLAN:
1. *ACTIVE LIST OF LOCATIONS OF POLLUTANTS*
2. *PORTA POTTY LOCATIONS*
3. *WASTE RECEPTACLES*
4. *WHERE FERTILIZER WILL BE USED*

NOTE: CONTRACTOR IS REQUIRED TO MAINTAIN ACTIVE LIST OF SUBCONTRACTORS AND POLLUTANTS USED THROUGH THE COURSE OF THE PROJECT ALONG WITH THEIR STORAGE LOCATION ON SITE AT ALL TIMES. CONTRACTOR TO SUPPLY THE ACTIVE LIST TO THE DEQ AS NEEDED.

PROJECT SITE POLLUTANT LIST MATRIX

	POTENTIAL POLLUTANT	POLLUTANT ACTIVITY	PROJECT LOCATION	CONTRACTOR	NOTES
1	DIESEL FUEL	EXCAVATION / MOVING MATERIALS	ENTIRE PROJECT	TBD	
2	GASOLINE FUEL	EXCAVATION / MOVING MATERIALS	ENTIRE PROJECT	TBD	
3	MOTOR OIL, HYDRAULIC OIL	EXCAVATION / MOVING MATERIALS / HEAVY EQUIPMENT	ENTIRE PROJECT	TBD	
4	ANTIFREEZE COOLANT	HEAVY EQUIPMENT	ENTIRE PROJECT	TBD	
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REVISIONS:

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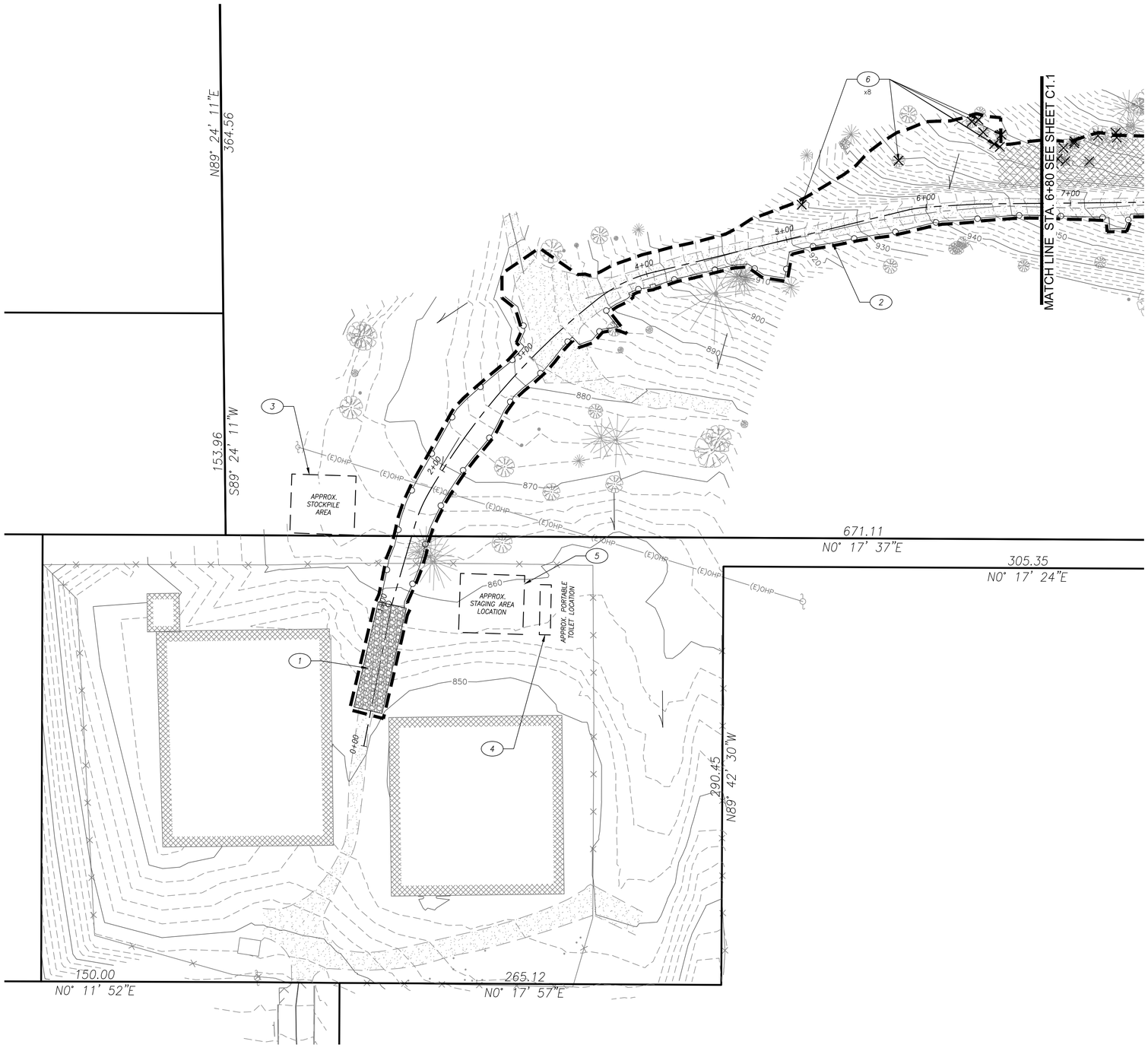
CITY OF COTTAGE GROVE
RESERVOIR ACCESS DRIVEWAY

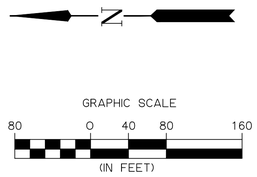
EROSION CONTROL
COVER SHEET & NOTES

Sheet No. **EC0.1**

DRAWN BY:	*CHECKED BY:*	*DATE:*
KS	NP	05/30/23

JOB No. 22-001L





CONSTRUCTION NOTES

1. CONSTRUCTION ENTRANCE/EXIT PER ODOT STD. DWG. RD1000 ON SHEET EC3.
2. CONSTRUCT SEDIMENT FENCING, BARK BERM OR FILTER SOCK SEDIMENT BARRIER. SEE ODOT STD. DWGS. RD1040 AND RD1031 ON SHEET EC3.
3. INSTALL PLASTIC SHEETING PER ODOT DETAIL DET6001 ON SHEET EC3.
4. PROVIDE AND MAINTAIN PORTABLE TOILETS PER OSHA STANDARDS.
5. STAGING AREA, LOCATION FOR STORAGE OF POTENTIAL POLLUTANTS.
6. REMOVE EXISTING TREE. REFER TO TREE REMOVAL PERMIT.

LEGEND

- LIMITS OF DISTURBANCE
- 180 EXISTING CONTOUR
- *SEDIMENT FENCE, OR APPROVED ALTERNATE.*
- DIRECTION OF FLOW
- DECIDUOUS TREE
- EVERGREEN TREE
- TREE TO BE REMOVED

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No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE
RESERVOIR ACCESS DRIVEWAY

EROSION CONTROL
EXISTING CONDITIONS
& DEMOLITION PLAN

Sheet No. **EC1.0**

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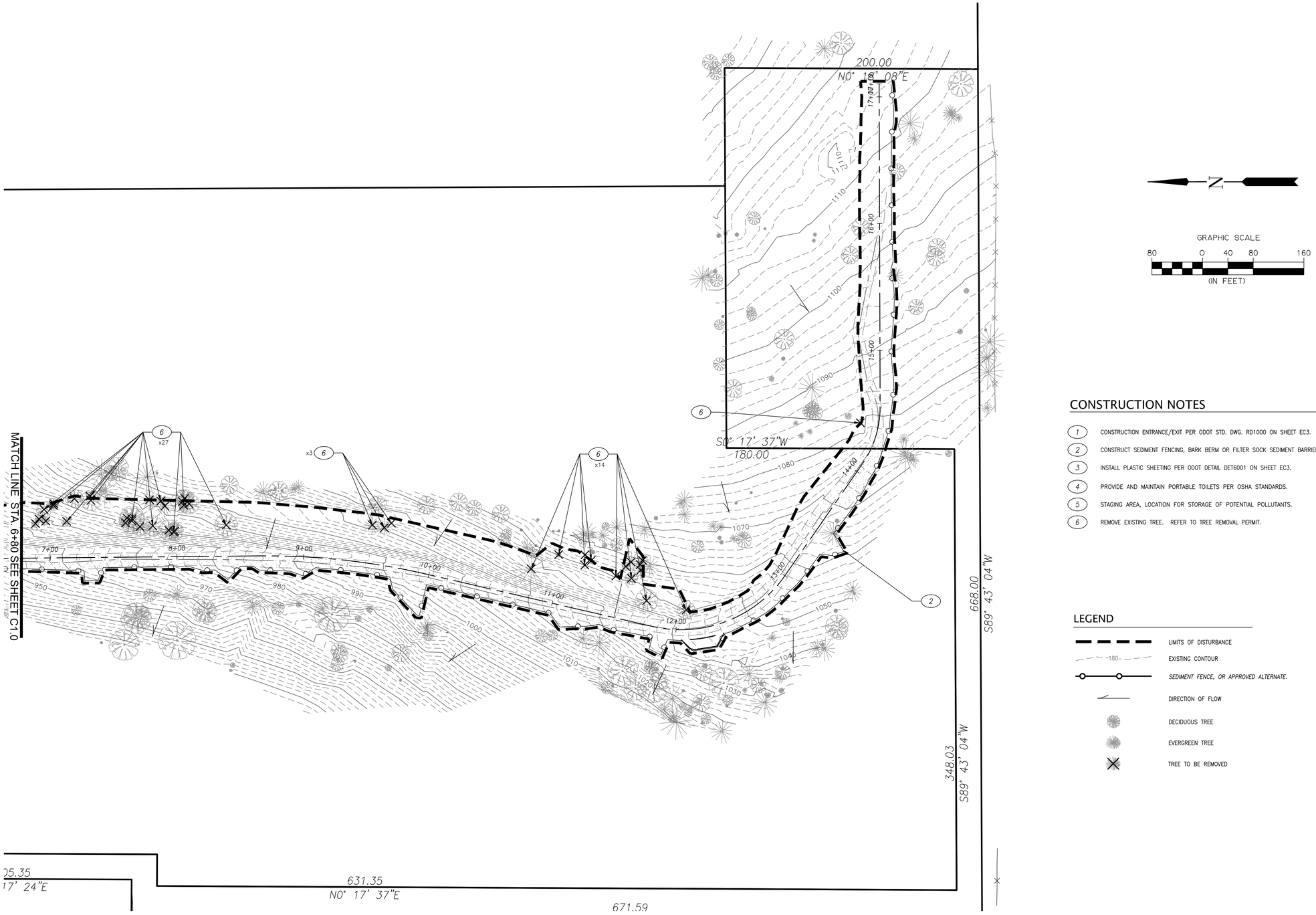
KS	NP	05/30/23	22-001L



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LEGEND

- LIMITS OF DISTURBANCE
- EXISTING CONTOUR (-180-)
- *SEDIMENT FENCE, OR APPROVED ALTERNATE.*
- DIRECTION OF FLOW
- DECIDUOUS TREE
- EVERGREEN TREE
- TREE TO BE REMOVED

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

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CITY OF COTTAGE GROVE
RESERVOIR ACCESS DRIVEWAY

EROSION CONTROL
EXISTING CONDITIONS
& DEMOLITION PLAN

Sheet No. **EC1.1**

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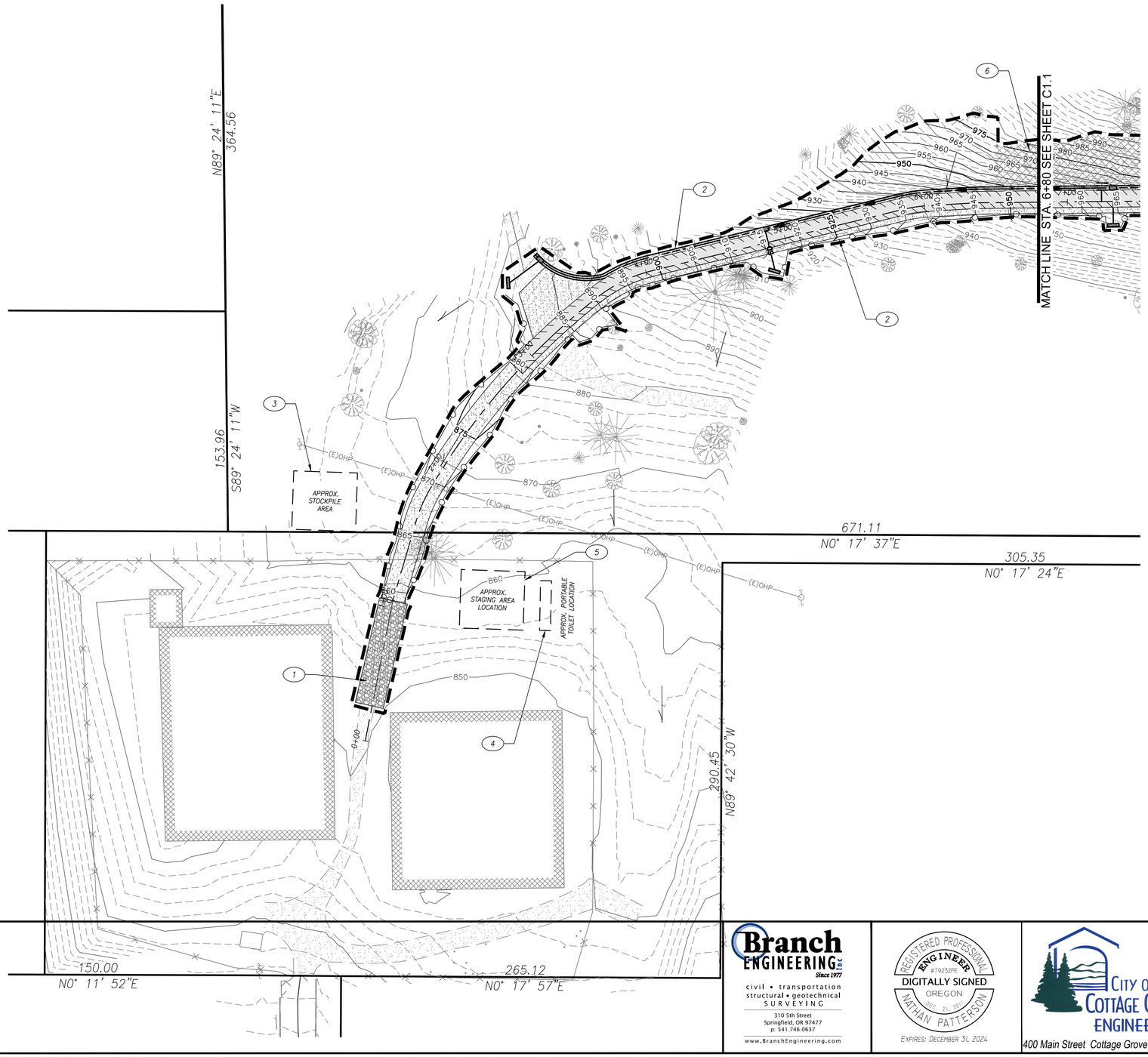

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

CONSTRUCTION NOTES

1. CONSTRUCTION ENTRANCE/EXIT PER ODOT STD. DWG. RD1000 ON SHEET EC3.0.
2. CONSTRUCT SEDIMENT FENCING, BARK BERM OR FILTER SOCK SEDIMENT BARRIER. SEE ODOT STD. DWGS. RD1040 AND RD1031 ON SHEET EC3.0.
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5. STAGING AREA, LOCATION FOR STORAGE OF POTENTIAL POLLUTANTS.
6. INSALL REINFORCEMENT MATTING PER RD 1055 ON SHEET EC3.1.

LEGEND

- LIMITS OF DISTURBANCE
- 180 EXISTING CONTOUR
- *SEDIMENT FENCE, OR APPROVED ALTERNATE.*
- DIRECTION OF FLOW
- DECIDUOUS TREE
- EVERGREEN TREE
- TREE TO BE REMOVED

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

REVISIONS:

No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE RESERVOIR ACCESS DRIVEWAY

EROSION CONTROL SITE PLAN

Sheet No. **EC2.0**

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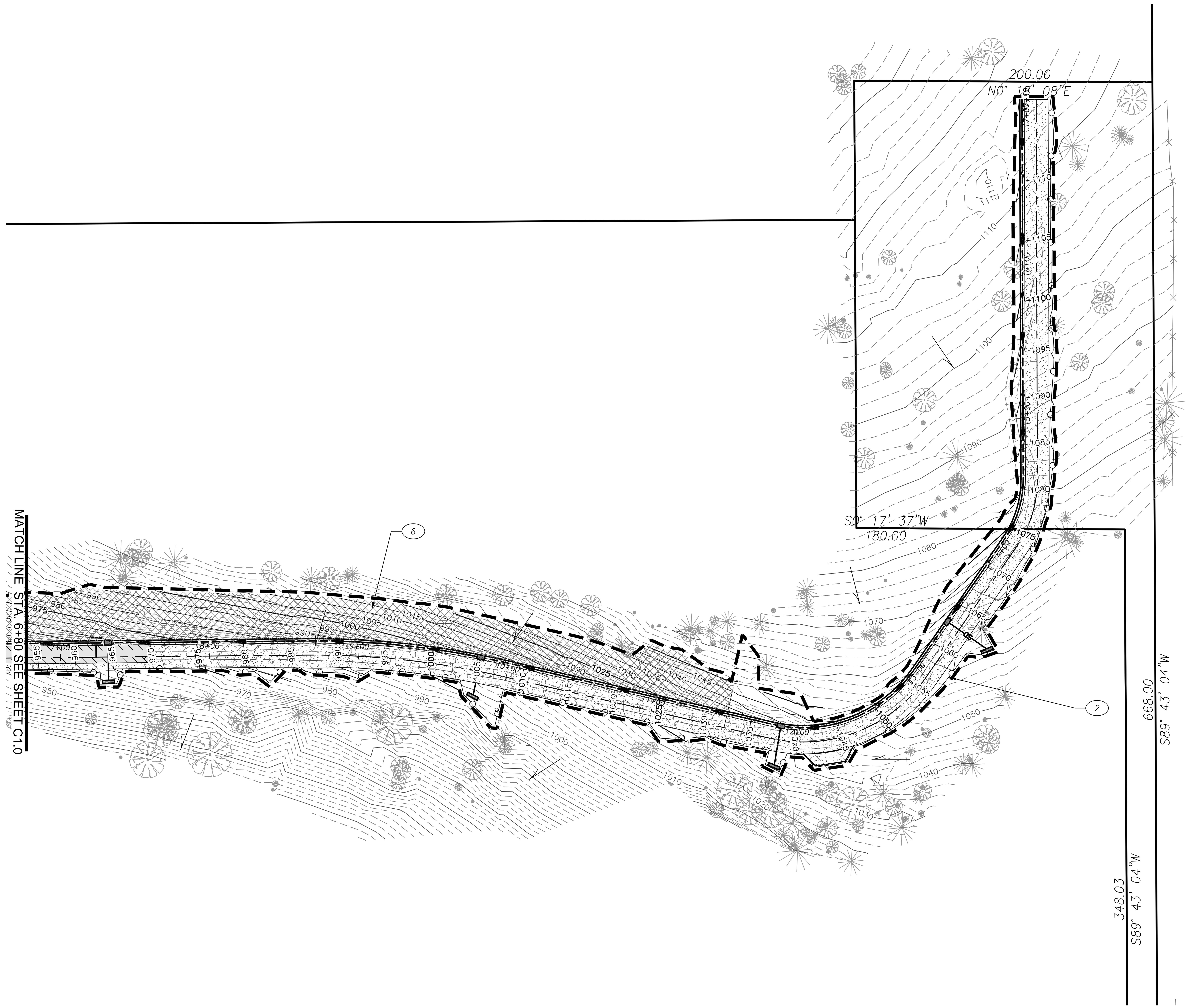

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)

CONSTRUCTION NOTES

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5. STAGING AREA, LOCATION FOR STORAGE OF POTENTIAL POLLUTANTS.
6. INSALL REINFORCEMENT MATTING PER RD 1055 ON SHEET EC3.1.

LEGEND

- LIMITS OF DISTURBANCE
- EXISTING CONTOUR (180)
- *SEDIMENT FENCE, OR APPROVED ALTERNATE.*
- DIRECTION OF FLOW
- DECIDUOUS TREE
- EVERGREEN TREE
- TREE TO BE REMOVED

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REGISTERED PROFESSIONAL ENGINEER #79232PE
DIGITALLY SIGNED
OREGON
DEC. 31, 2011
NATHAN PATTERSON
EXPIRES: DECEMBER 31, 2024

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

REVISIONS:

No.	DESCRIPTION	DATE

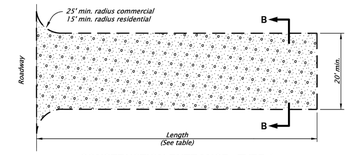
CITY OF COTTAGE GROVE RESERVOIR ACCESS DRIVEWAY

EROSION CONTROL SITE PLAN

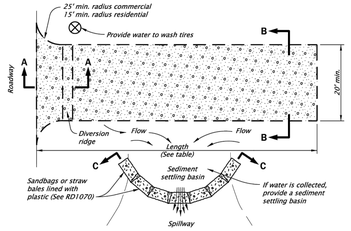
DRAWN BY:	CHECKED BY:	DATE:	Sheet No.
KS	NP	05/30/23	EC2.1

JOB No. 22-001L

rd1000.dgn 01-20-2021



CONSTRUCTION ENTRANCE - TYPE 1
NOT TO SCALE



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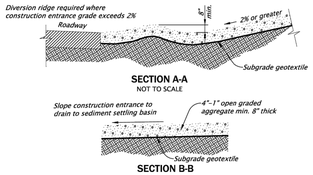
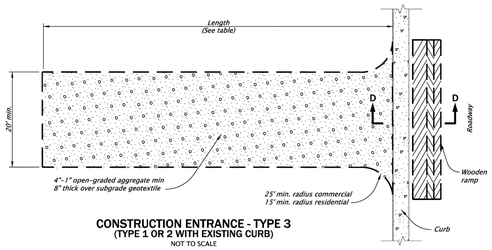
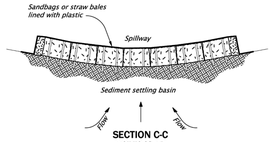


SECTION A-A
NOT TO SCALE

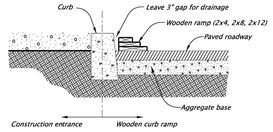
SECTION B-B
NOT TO SCALE



CONSTRUCTION ENTRANCE - TYPE 3
(TYPE 1 OR 2 WITH EXISTING CURB)
NOT TO SCALE



SECTION C-C
NOT TO SCALE



WOODEN CURB RAMP SECTION D-D
NOT TO SCALE

NOTES:
1. *The Type 1 entrance is a simple entrance without a diversion ridge or settling basin.*
2. *The wooden ramp may be used on either Type 1 or Type 2 entrances in situations where there is curb and the curb is not removed for the construction entrance.*

CONSTRUCTION ENTRANCE TABLE MINIMUM LENGTH	
Length (FT)	*Area Of Exposed Soil (Acre)*
20	*0.25*
50	*0.25 < A < 1.0*
100	*A > 1.0*

CALC. BOOK NO. N/A

SDR DATE January, 2021

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OREGON STANDARD DRAWINGS

CONSTRUCTION ENTRANCES

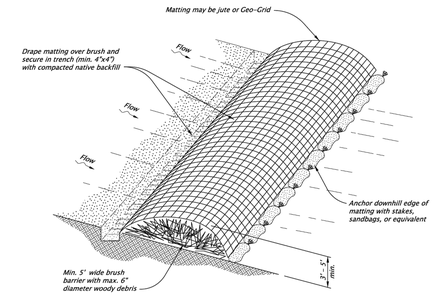
2021

DATE	REVISION DESCRIPTION
Jan 2021	Removed Calc book numbers

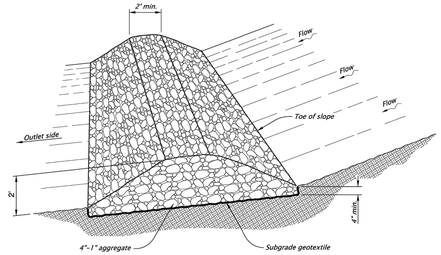
RD1000

Effective Date: December 1, 2022 - May 31, 2023 RD1000

rd1031.dgn 01-20-2021



BRUSH BARRIER - TYPE 5
NOT TO SCALE



AGGREGATE BARRIER - TYPE 6
NOT TO SCALE

NOTES:
1. *Direct diverted flows from the outlet side of the rock filter berm/dams onto a stabilized area, such as vegetation and or rock, or into a sediment trapping facility.*
2. *Embed barrier a min. of 4" into the existing ground/embankments.*
3. *Use 1:3 or flatter side slope. Within the safety clear zone, use 1:6 or flatter side slopes.*
4. *Use 4"-1" clean aggregate.*

CALC. BOOK NO. N/A

SDR DATE January, 2021

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OREGON STANDARD DRAWINGS

SEDIMENT BARRIER TYPE 5 AND 6

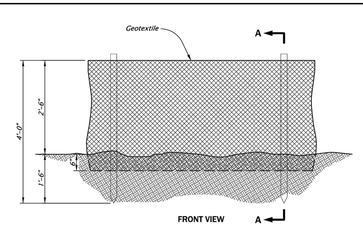
2021

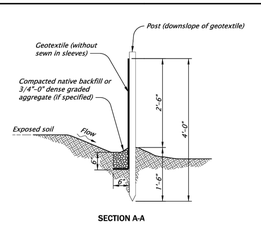
DATE	REVISION DESCRIPTION
Jan 2021	Removed Calc book numbers

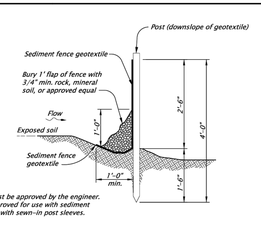
RD1031

Effective Date: December 1, 2022 - May 31, 2023 RD1031

rd1040.dgn 01-20-2021



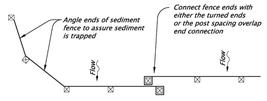




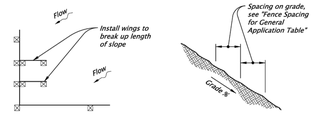
NOTES:
1. *Use must be approved by the engineer.*
2. *Not approved for use with sediment fencing with sewn-in post sleeves.*

SEDIMENT FENCE AND GEOTEXTILE BURY DETAIL - TYPE 1
NOT TO SCALE

ALTERNATE SEDIMENT FENCE WITHOUT TRENCHING - TYPE 2
NOT TO SCALE



PLAN VIEW

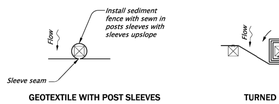


TERMINATION AT CORNER OR PROPERTY LINE

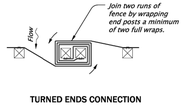
GENERAL NOTES:
1. *Use 2"x2" wood fence posts.*
2. *Posts to be installed on downhill side of sediment fence geotextile. Position posts to prevent separation from geotextile.*
3. *Compact filter fabric trench backfill and soil on uphill side of fence.*
4. *Locate fence no closer than three feet to the toe of a slope.*
5. *Wing spacing shall comply with "Fence Spacing for General Application Table".*

FENCE SPACING FOR GENERAL APPLICATION TABLE	
INSTALL PARALLEL ALONG CONTOURS AS FOLLOWS	
GRADE	*MAXIMUM SPACING ON GRADE*
Grade < 10%	*300'*
10% ≤ Grade < 15%	*150'*
15% ≤ Grade < 20%	*100'*
20% ≤ Grade < 30%	*50'*
30% ≤ Grade	*25'*

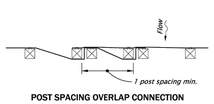
POST SPACING TABLE	
6'	*Sediment Fence with Geotextile elongation less than 50%*
4'	*Sediment Fence with Geotextile elongation 50% or more*



GEOTEXTILE WITH POST SLEEVES



TURNED ENDS CONNECTION



POST SPACING OVERLAP CONNECTION

GEOTEXTILE END CONNECTIONS
NOT TO SCALE

CALC. BOOK NO. N/A

SDR DATE January, 2021

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OREGON STANDARD DRAWINGS

SEDIMENT FENCE

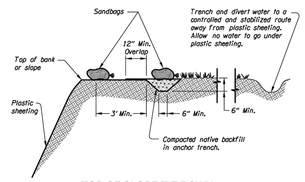
2021

DATE	REVISION DESCRIPTION
Jan 2021	Removed Calc book numbers

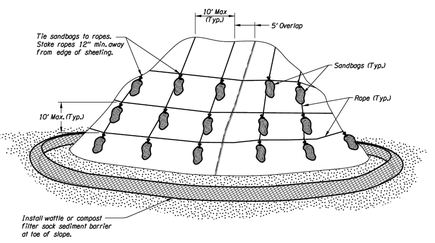
RD1040

Effective Date: December 1, 2022 - May 31, 2023 RD1040

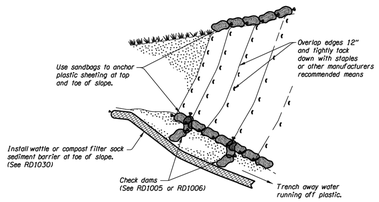
det6001.dgn 01-Jan-2015



TOP OF SLOPE TIE DOWN

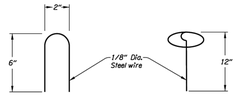


STOCKPILE



SLOPES

NOTES:
1. *Install plastic sheeting vertically down slope.*
2. *Install plastic sheeting so edges overlap and are shingled away from prevailing winds.*



STAPLE DETAIL

PIN STAPLE

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

OREGON DEPARTMENT OF TRANSPORTATION
TECHNICAL SERVICES
DETAILS

PLASTIC SHEETING — DETAIL NO. DET6001

DET6001

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Dec. 31, 2023
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CITY OF COTTAGE GROVE ENGINEERING
400 Main Street Cottage Grove, OR 97424

REVISIONS:

No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE
RESERVOIR ACCESS DRIVEWAY

EROSION CONTROL DETAILS

Sheet No. **EC3.0**

DRAWN BY:	*CHECKED BY:*	*DATE:*
KS	NP	05/30/23

JOB No. 22-001L

20-JAN-2021

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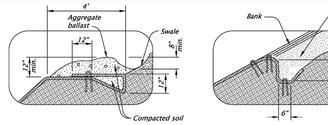


FIGURE A1:
TOP OF BANK ANCHOR TRENCH, H>3' AND TERMINAL SLOPE
NOT TO SCALE

FIGURE A2:
TOP OF BANK ANCHOR TRENCH, H<3'
NOT TO SCALE

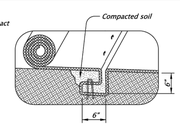


FIGURE A3:
CHANNEL CHECK SLOT
NOT TO SCALE

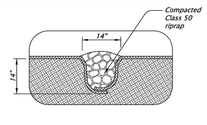


FIGURE A4:
CHANNEL CHECK SLOT WITH ROCK BACKFILL
NOT TO SCALE

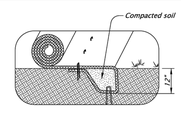
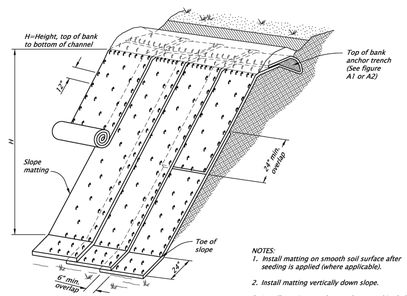
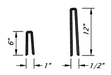


FIGURE A5:
INITIAL CHANNEL ANCHOR TRENCH
NOT TO SCALE



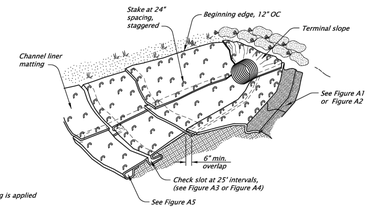
SLOPE MATTING ISOMETRIC VIEW
NOT TO SCALE

NOTES:
1. Install matting on smooth soil surface after seeding is applied (where applicable).
2. Install matting vertically down slope.
3. Install matting so edge overlaps are shingled away from prevailing winds.
4. Place fastener at 12" OC on matting edges
5. Overlap upper mat over lower mat, and fasten.
6. Stagger alternate rows of fasteners placed at 24" OC
7. Extend mat 24" beyond toe of slope; fold mat back under 4" and fasten.
8. Matting Types A through E: Furnish fully biodegradable product. Matting with plastic or photodegradable components will not be accepted.



STAPLES
NOT TO SCALE

NOTES:
1. Install matting on smooth soil surface after seeding is applied (where applicable).
2. Install channel liner matting, in the direction of water flow. Anchor upstream end of mat with check slot for culvert outfalls, place mat under pipe 12" minimum upstream from pipe outlet.
3. Construct check slots across channel bottom at 25' spacing and at the end of each mat (Fig. A3 or A4).
4. Overlap side channel liner matting edges 6" over the center channel liner matting and fasten edges 12" OC. Continue overlap and stapling pattern for each additional side channel liner mat.
5. Lap upstream matting end 12" over beginning edge of downstream matting. Fasten 12" OC
6. Anchor top edge of side channel matting in trench and fasten 12" OC (Fig. A2).
7. Fasten matting interior at 24" OC with staggered spacing.
8. Construct initial anchor trench at downstream end of matting and terminal slope anchor at upstream end.
9. Matting Types A through E: Furnish fully biodegradable product. Matting with plastic or photodegradable components will not be accepted.



CHANNEL MATTING ISOMETRIC VIEW
NOT TO SCALE

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OREGON STANDARD DRAWINGS

SLOPE AND CHANNEL MATTING

2021

DATE	REVISION DESCRIPTION
01-2021	REMOVED CALC BOOK NUMBERS

CALC BOOK NO. _ _ _ N/A _ _ _ | SDR DATE: 20-JAN-2021 | **RD1055**

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

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EROSION CONTROL DETAILS

Sheet No. **EC3.1**

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