




## GENERAL CONSTRUCTION NOTES

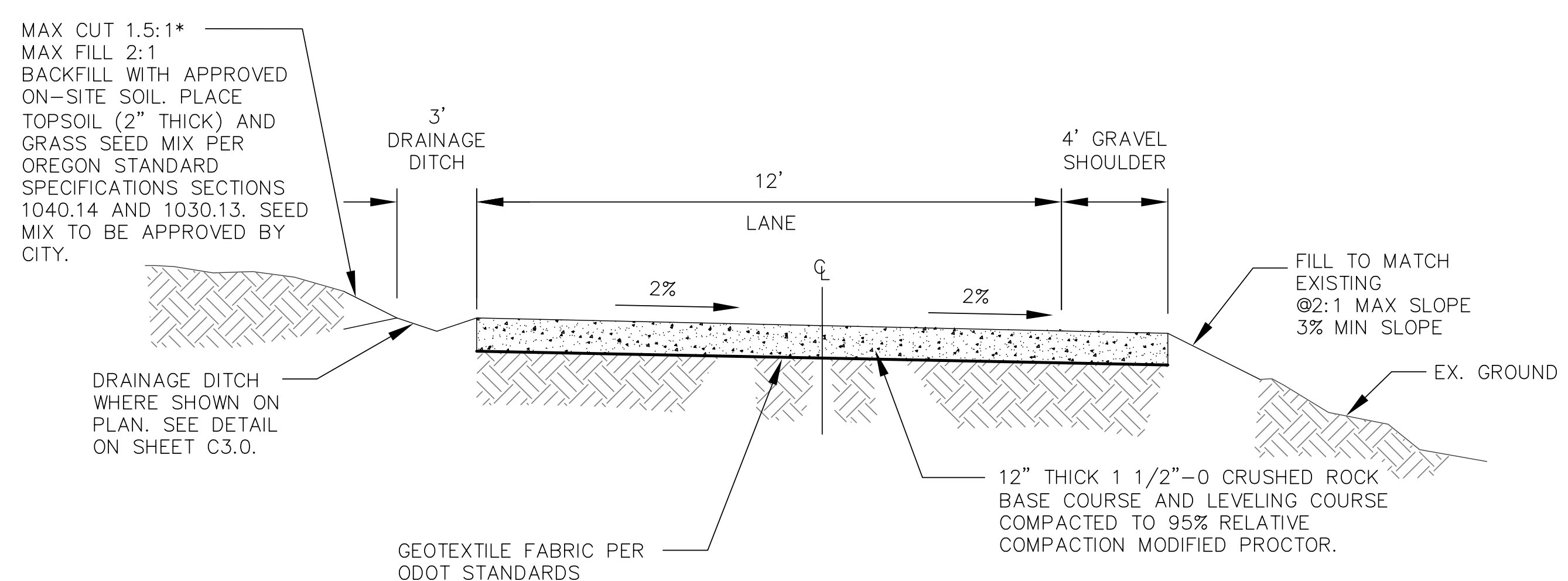
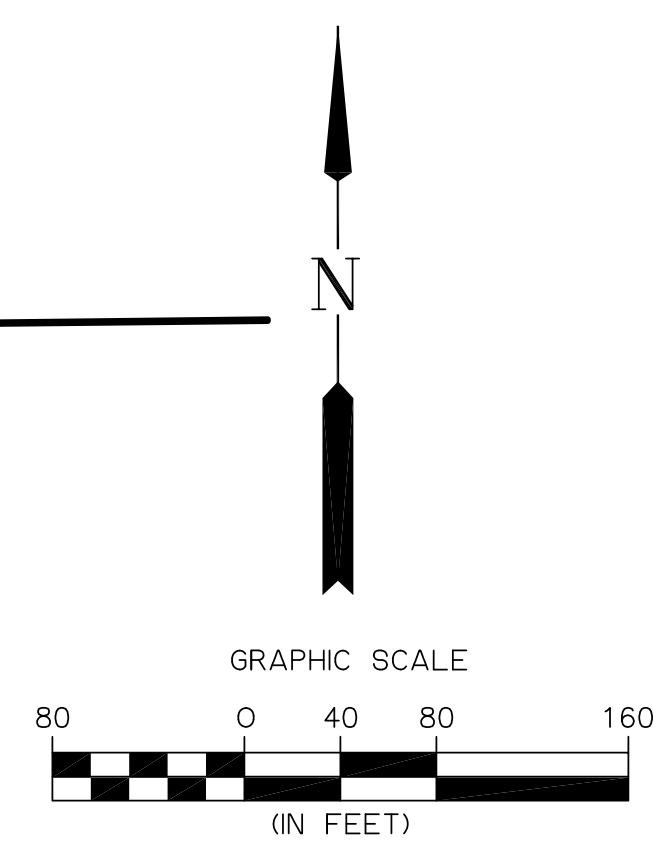
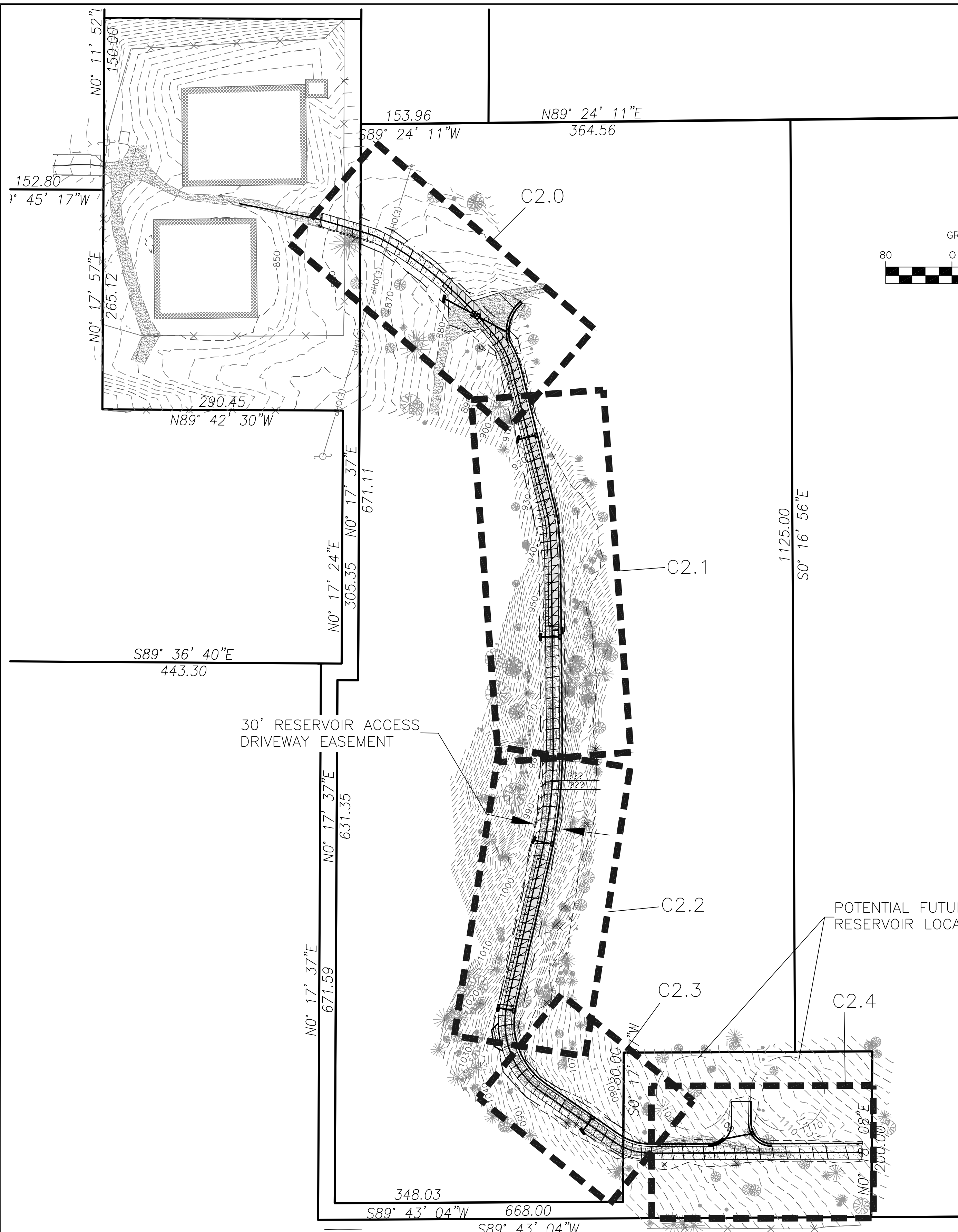
1. ALL MATERIALS AND WORKMANSHIP OF ITEMS TO BE MAINTAINED BY THE CITY OF COTTAGE GROVE WITHIN PUBLIC EASEMENTS OR STREET RIGHT-OF-WAYS SHALL MEET CURRENT CITY OF COTTAGE GROVE PUBLIC WORKS SPECIFICATIONS. ALL MATERIALS AND WORKMANSHIP OF IMPROVEMENTS THAT WILL BE PRIVATELY OWNED AND MAINTAINED WILL 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.

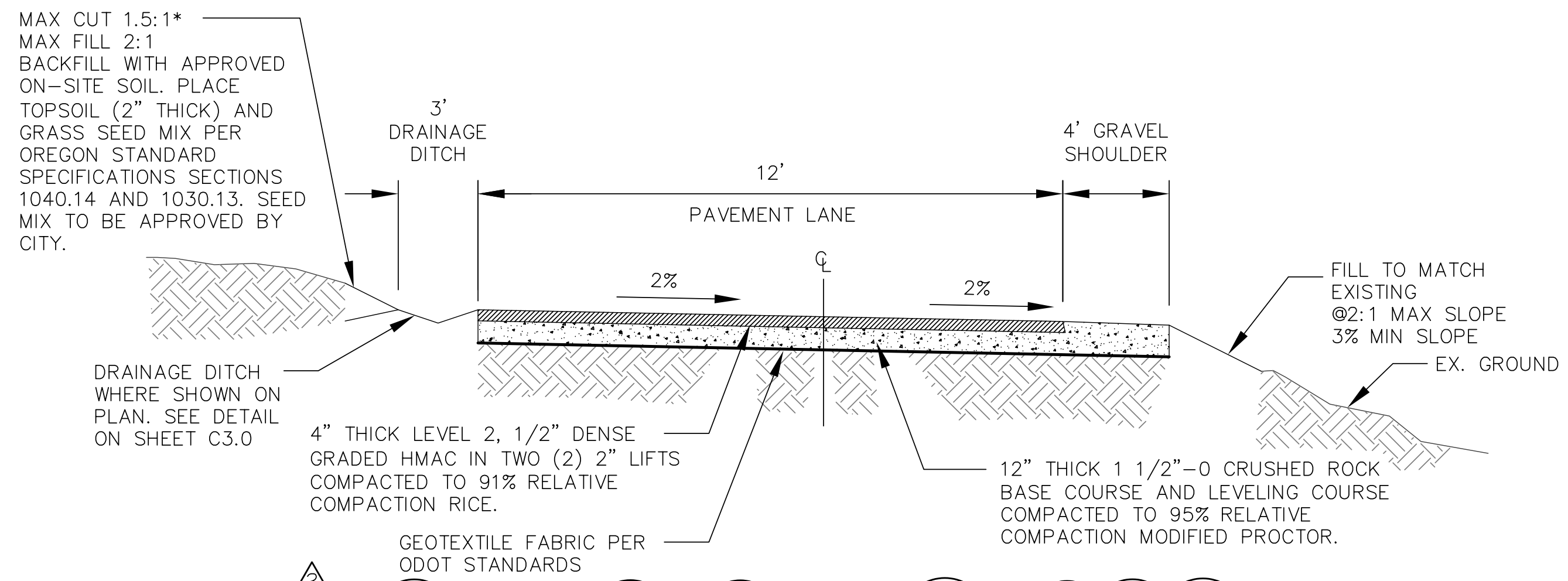
36. CITY FORCES TO OPERATE ALL VALVES, INCLUDING FIRE HYDRANTS, ON EXISTING PUBLIC MAINS.
37. ALL SANITARY SEWER MAINS SHALL BE D3034 SDR35 PVC. ALL FITTINGS 4-INCHES THROUGH 24-INCHES IN DIAMETER SHALL BE PER MANUFACTURERS RECOMMENDATIONS IN CONFORMANCE WITH ODOT STANDARD SPECIFICATIONS SECTION 00445.43.
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.

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.				

			<b>REVISIONS:</b>			<b>CITY OF COTTAGE GROVE RESERVOIR ACCESS DRIVEWAY</b>																									
			<table border="1"> <thead> <tr> <th>No.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>ADD 2</td> <td>ROADWAY GRADE, DRIVEWAY, AC</td> <td>06/15/23</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>			No.	DESCRIPTION	DATE	ADD 2	ROADWAY GRADE, DRIVEWAY, AC	06/15/23																			<b>GENERAL CONSTRUCTION NOTES</b>	
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DRAWN BY: KS		CHECKED BY: NP		DATE: 06/05/23		JOB No.      22-001L																									



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



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 NATHAN PATTERSON  
 EXPIRES: DECEMBER 31, 2024

**CITY OF COTTAGE GROVE ENGINEERING**  
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REVISIONS:

No.	DESCRIPTION	DATE
ADD 2	ROADWAY GRADE, DRIVEWAY, AC	06/15/23

**CITY OF COTTAGE GROVE RESERVOIR ACCESS DRIVEWAY**

KEY MAP & TYPICAL SECTIONS

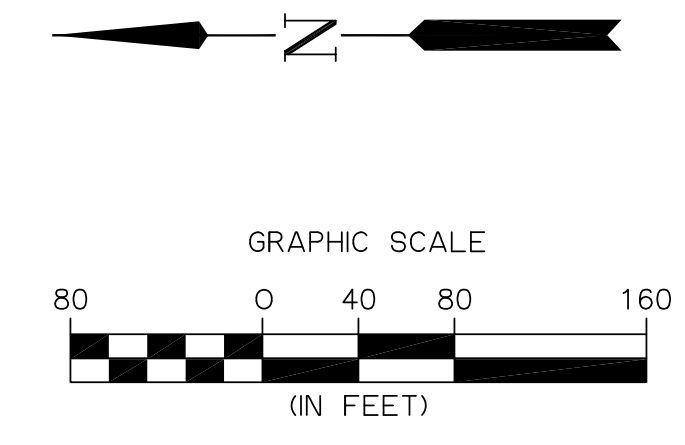
Sheet No. **C0.2**

DRAWN BY: KS CHECKED BY: NP DATE: 06/05/23

JOB No. 22-001L



NOTE: TREES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED AND ARE INCIDENTAL TO CLEARING AND GRUBBING PER ODOT STANDARD SPECIFICATIONS. NOT ALL TREES WITHIN THE LIMITS OF DISTURBANCE ARE SHOWN IN THE EXISTING CONDITIONS SURVEY.



**CONSTRUCTION NOTES:**

- 100 REMOVE TREE.
- 105 REMOVE FENCE.
- 106 PROTECT EXISTING FENCE.
- 107 INSTALL 20' WIDE GATE PER R0820 ON SHEET C3.1.

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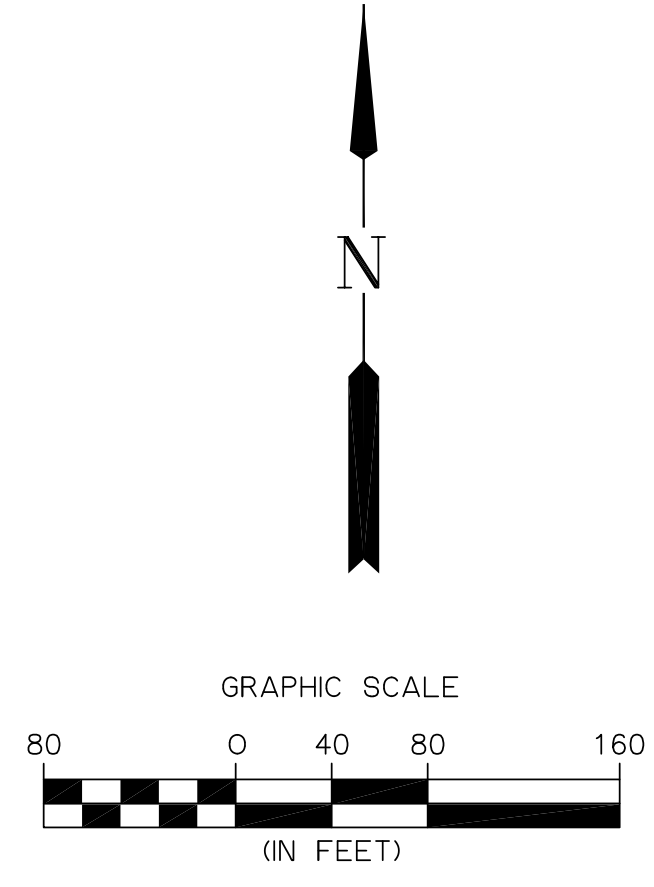
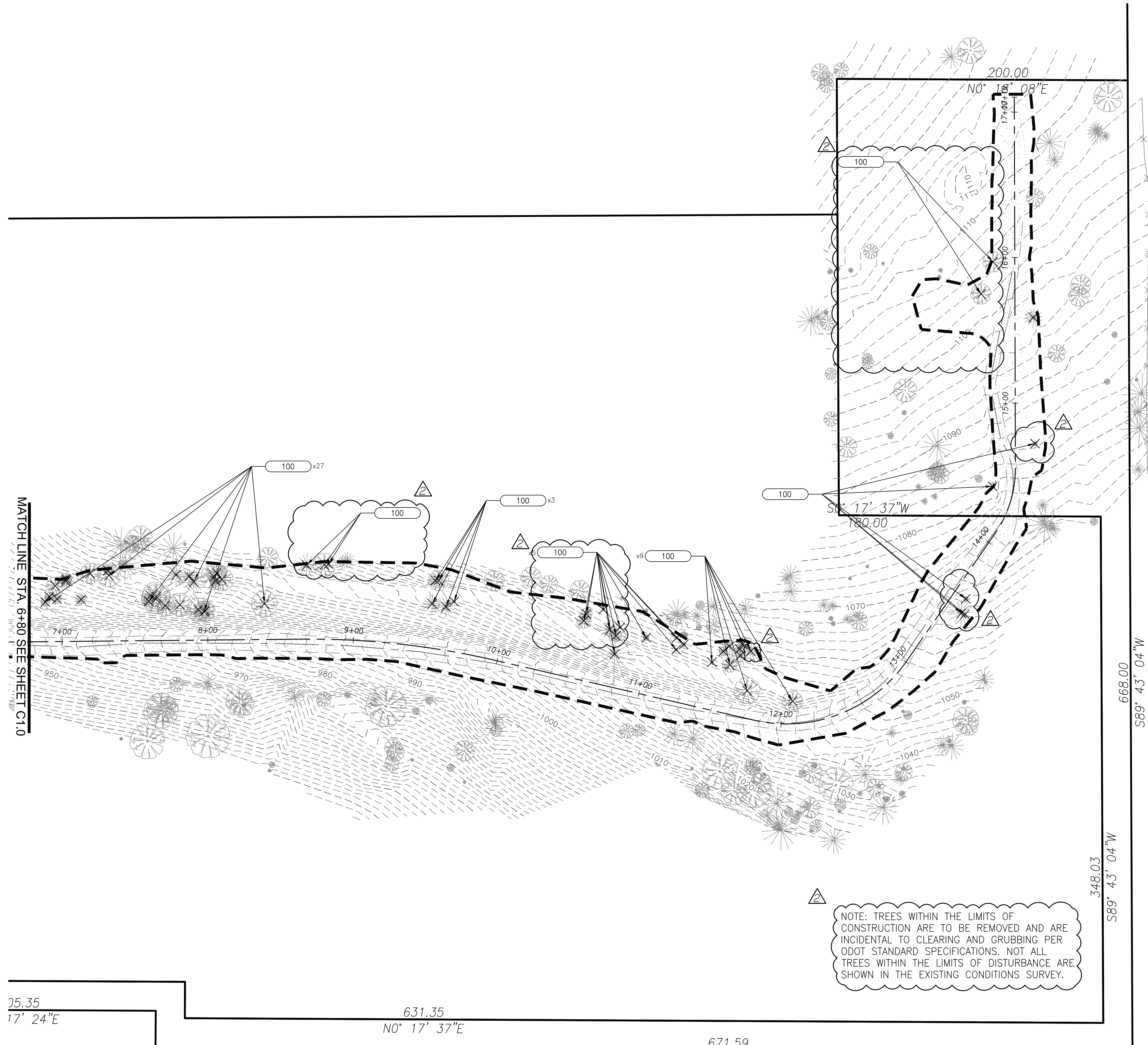
**CITY OF COTTAGE GROVE  
 RESERVOIR ACCESS DRIVEWAY**

EXISTING CONDITIONS  
 & DEMOLITION

Sheet No.  
**C1.0**

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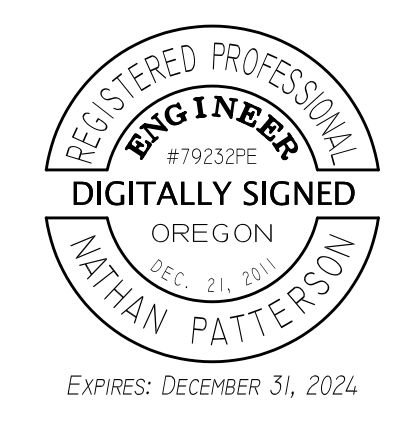
**CONSTRUCTION NOTES:**

100 REMOVE TREE.

25.35  
17' 24"E

631.35  
N0° 17' 37"E

671.59



REVISIONS:		
No.	DESCRIPTION	DATE
ADD 2	ROADWAY GRADE, DRIVEWAY, AC	06/15/23

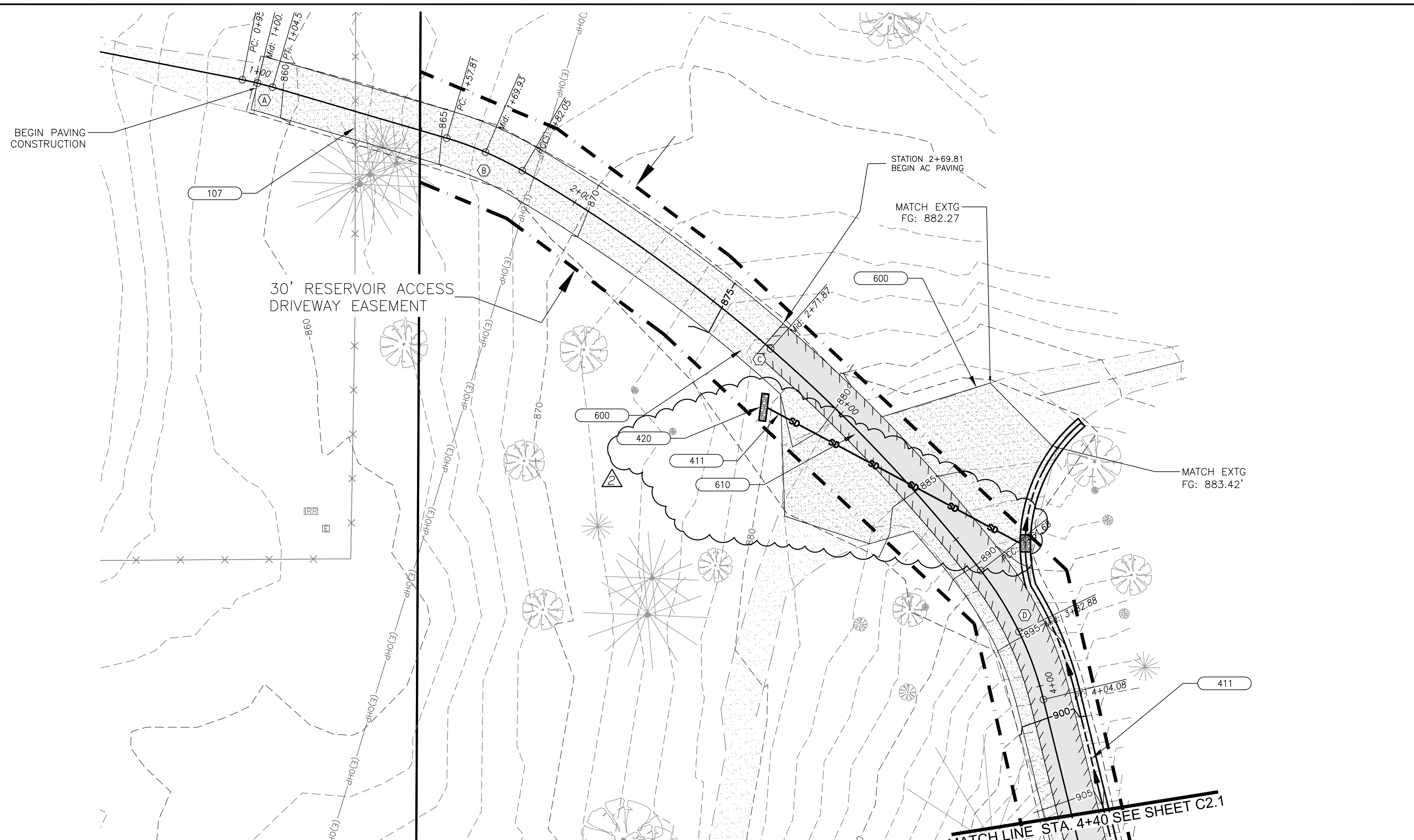
**CITY OF COTTAGE GROVE  
RESERVOIR ACCESS DRIVEWAY**

EXISTING CONDITIONS & DEMOLITION

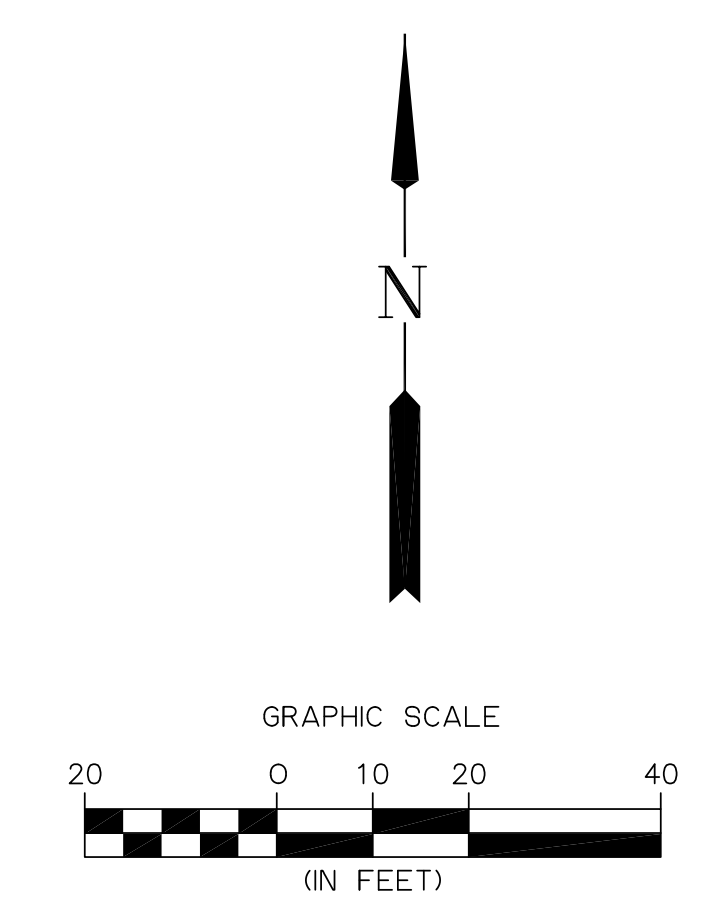
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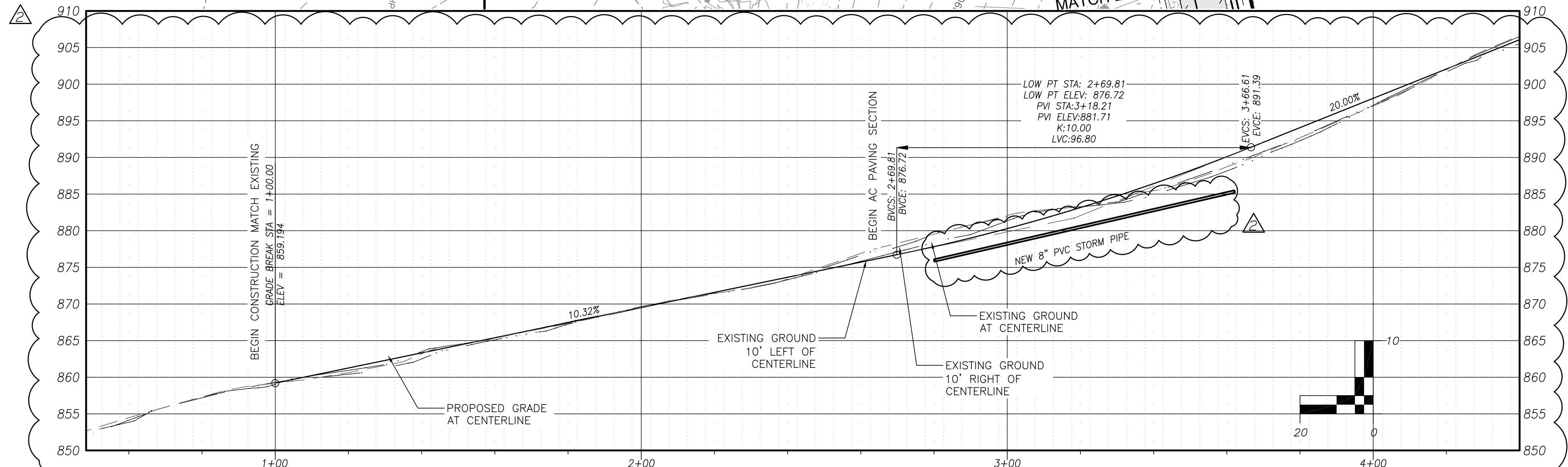


A CENTERLINE CURVE DATA	
Δ	5°12'29"
R	100'
L	9.09'
P.C.	0+95.45
P.T.	1+04.54
CORD LENGTH	9.09'
CORD BEARING	S76°16'17"E
B CENTERLINE CURVE DATA	
Δ	1°35'31.16"
R	100'
L	24.24'
P.C.	1+57.81
P.T.	1+82.05
CORD LENGTH	24.18'
CORD BEARING	S66°43'25"E
C CENTERLINE CURVE DATA	
Δ	21°44'58"
R	100'
L	47.32'
P.C.	1+82.05
P.T.	3+61.68
CORD LENGTH	178.56'
CORD BEARING	S48°54'18"E
D 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



**CONSTRUCTION NOTES:**

- 107 INSTALL 20' WIDE GATE PER RD820 ON SHEET C3.1.
- 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.
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**NATHAN PATTERSON**  
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REVISIONS:		
No.	DESCRIPTION	DATE
ADD 2	ROADWAY GRADE, DRIVEWAY, AC	06/15/23

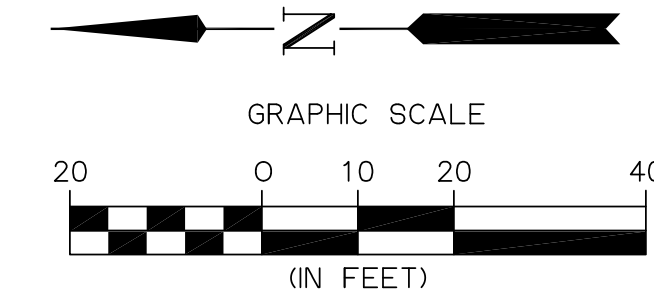
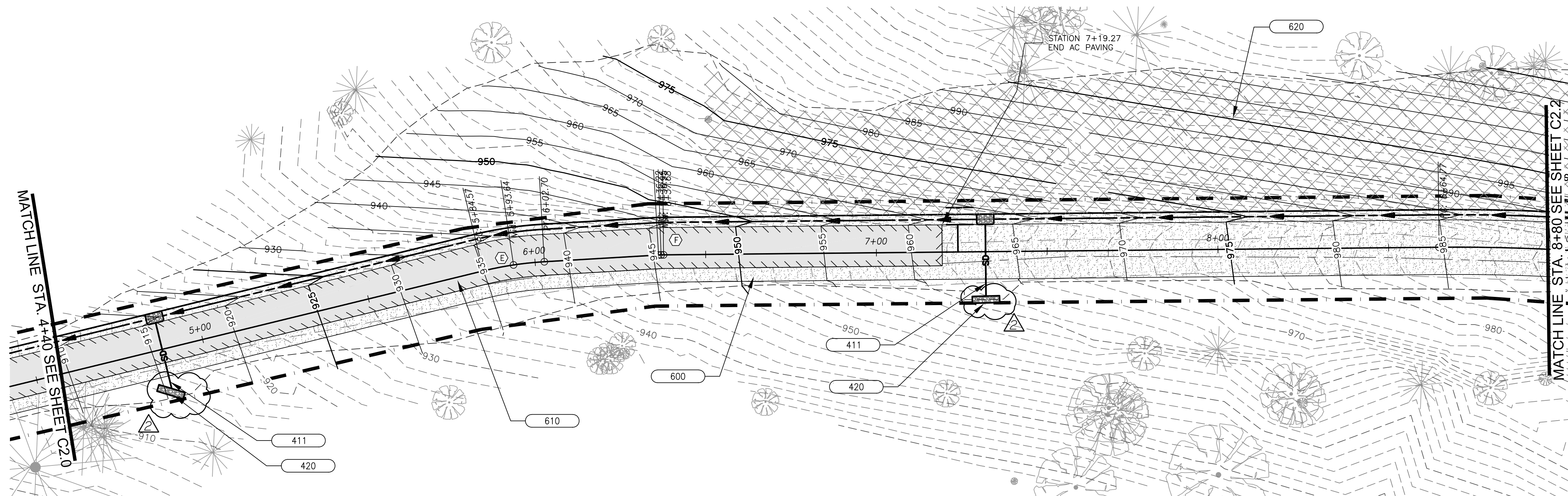
**CITY OF COTTAGE GROVE  
 RESERVOIR ACCESS DRIVEWAY**

PLAN & PROFILE  
 STATION 1+00 - 4+40

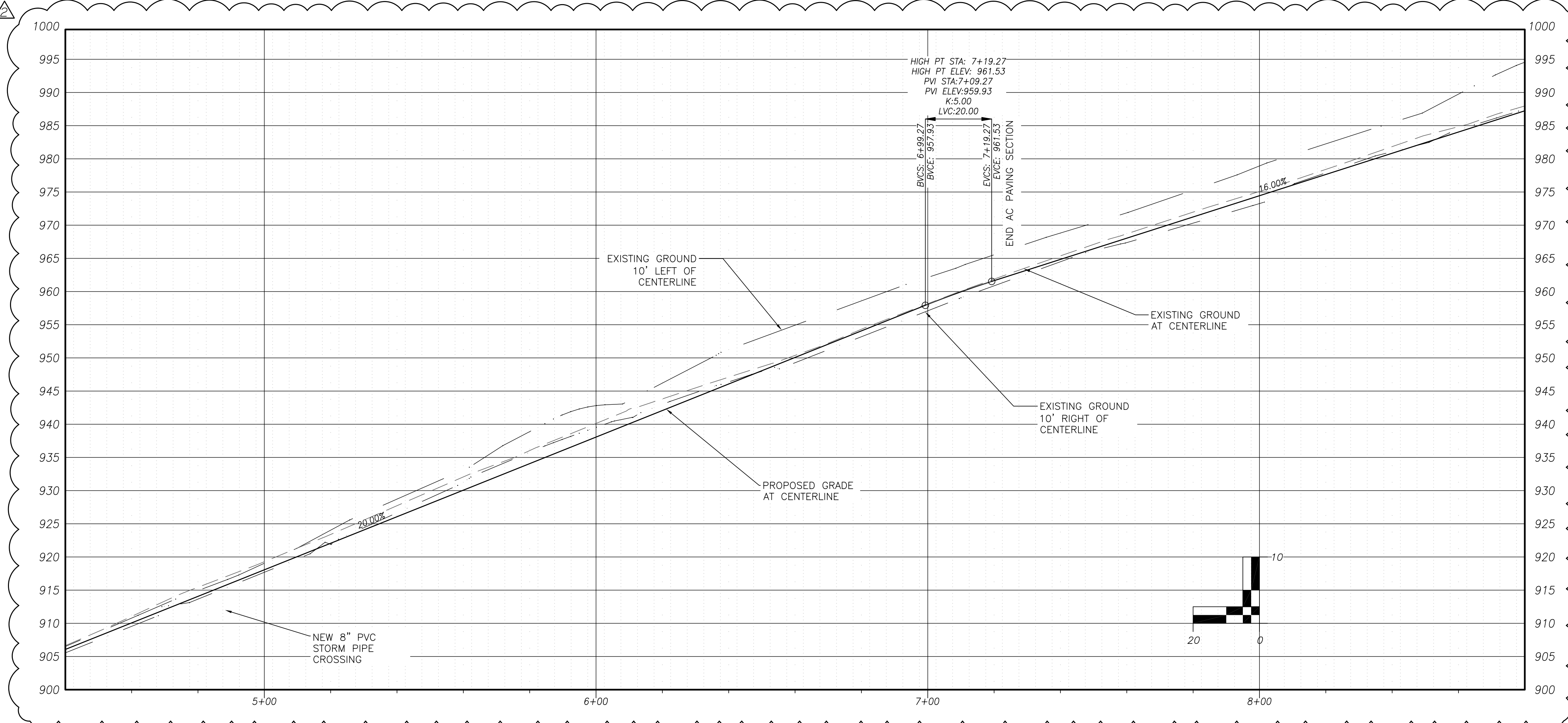
Sheet No.  
**C2.0**

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KS	NP	06/05/23

JOB No. 22-001L



(E)	CENTERLINE CURVE DATA
A	24°17'23"
R	100'
L	18.13'
P.C.	5+84.57
P.T.	6+02.70
CORD LENGTH	16.11'
CORD BEARING	S8°32'47"E
(F)	CENTERLINE CURVE DATA
A	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



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

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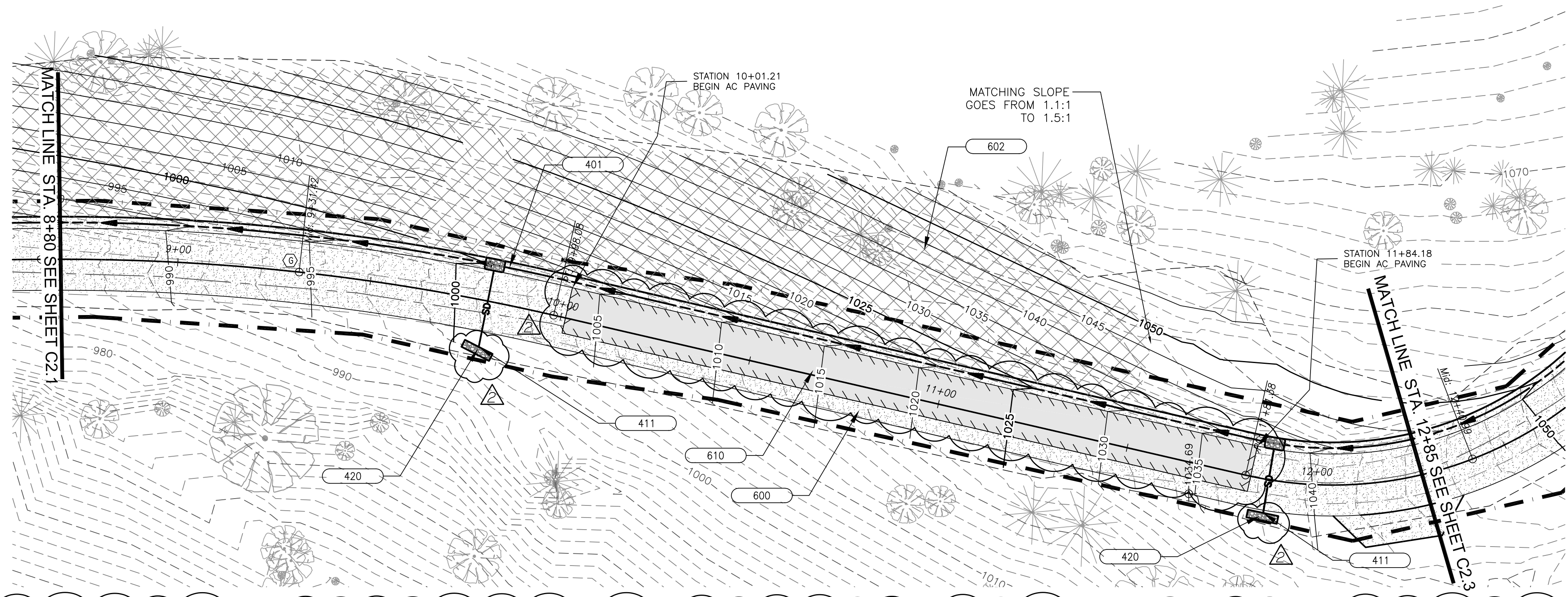
**CITY OF COTTAGE GROVE  
 RESERVOIR ACCESS DRIVEWAY**

PLAN & PROFILE  
 STATION 4+40 - 8+80

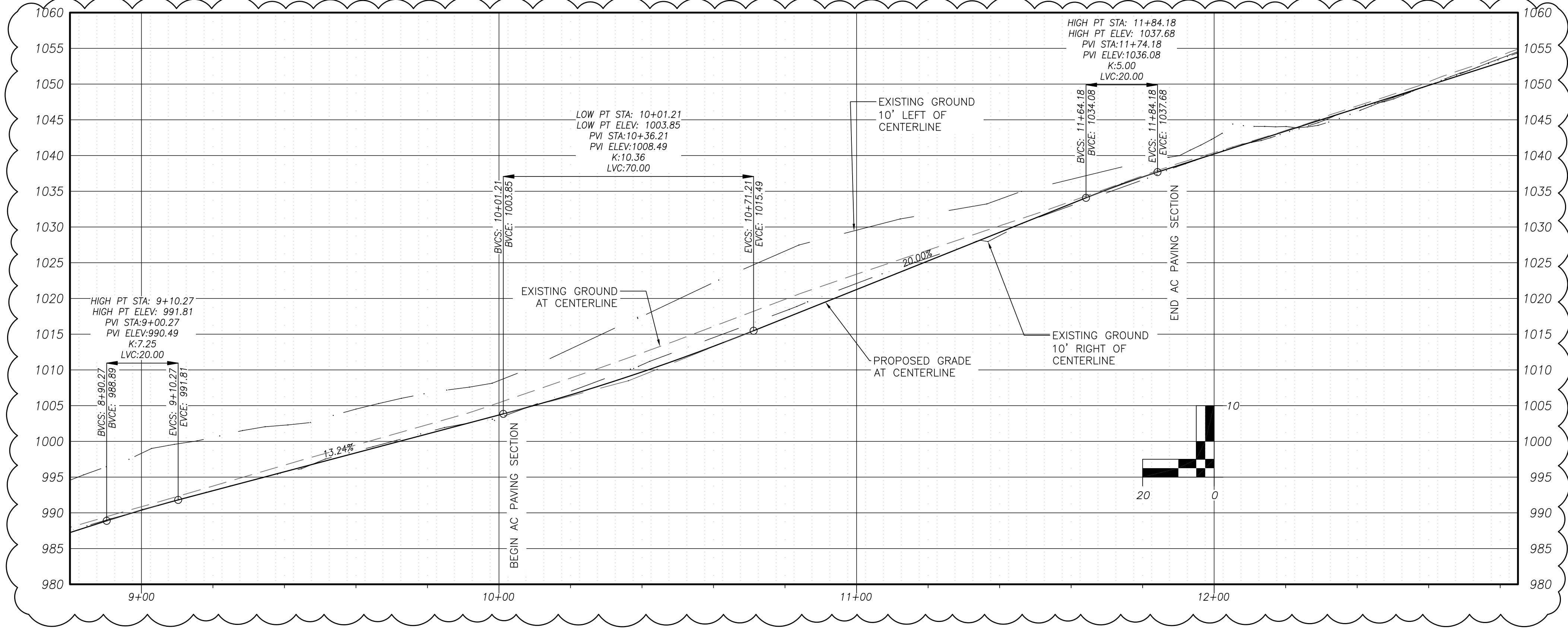
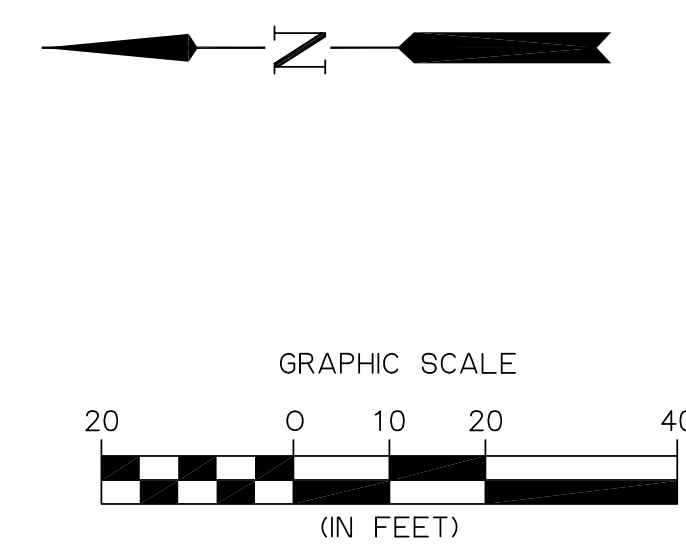
Sheet No.  
**C2.1**

DRAWN BY: KS      CHECKED BY: NP      DATE: 06/05/23

JOB No. 22-001L



(G) CENTERLINE
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



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REVISIONS:		
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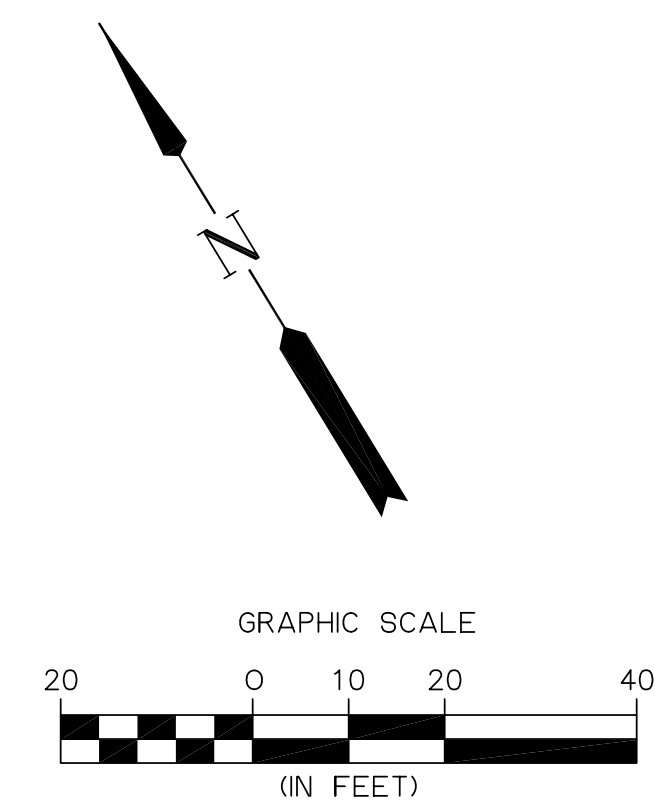
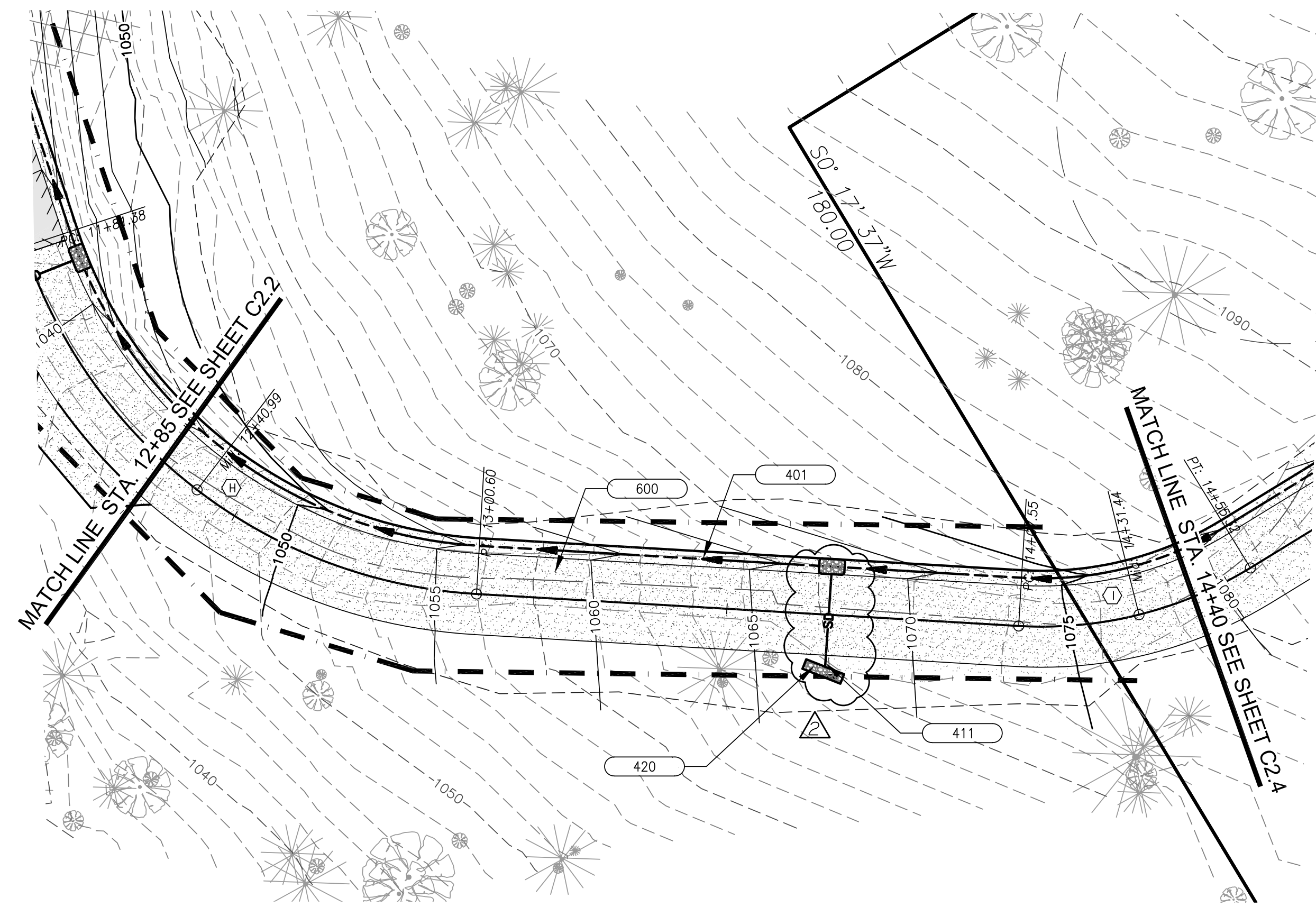
**CITY OF COTTAGE GROVE  
 RESERVOIR ACCESS DRIVEWAY**

PLAN & PROFILE  
 STATION 8+80 - 12+85

Sheet No.  
**C2.2**

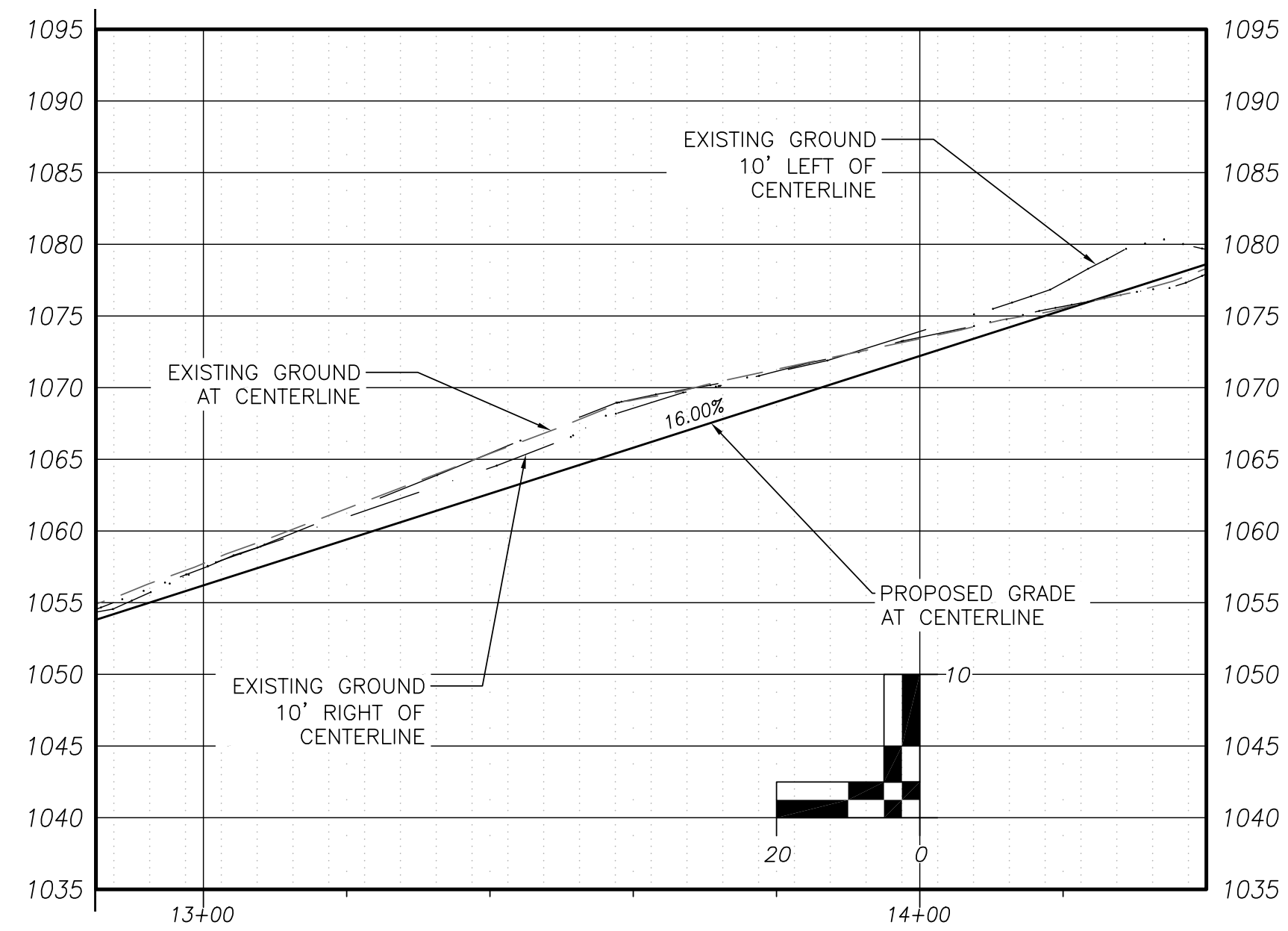
JOB No. 22-001L

DRAWN BY: KS      CHECKED BY: NP      DATE: 06/05/23



**CONSTRUCTION NOTES:**

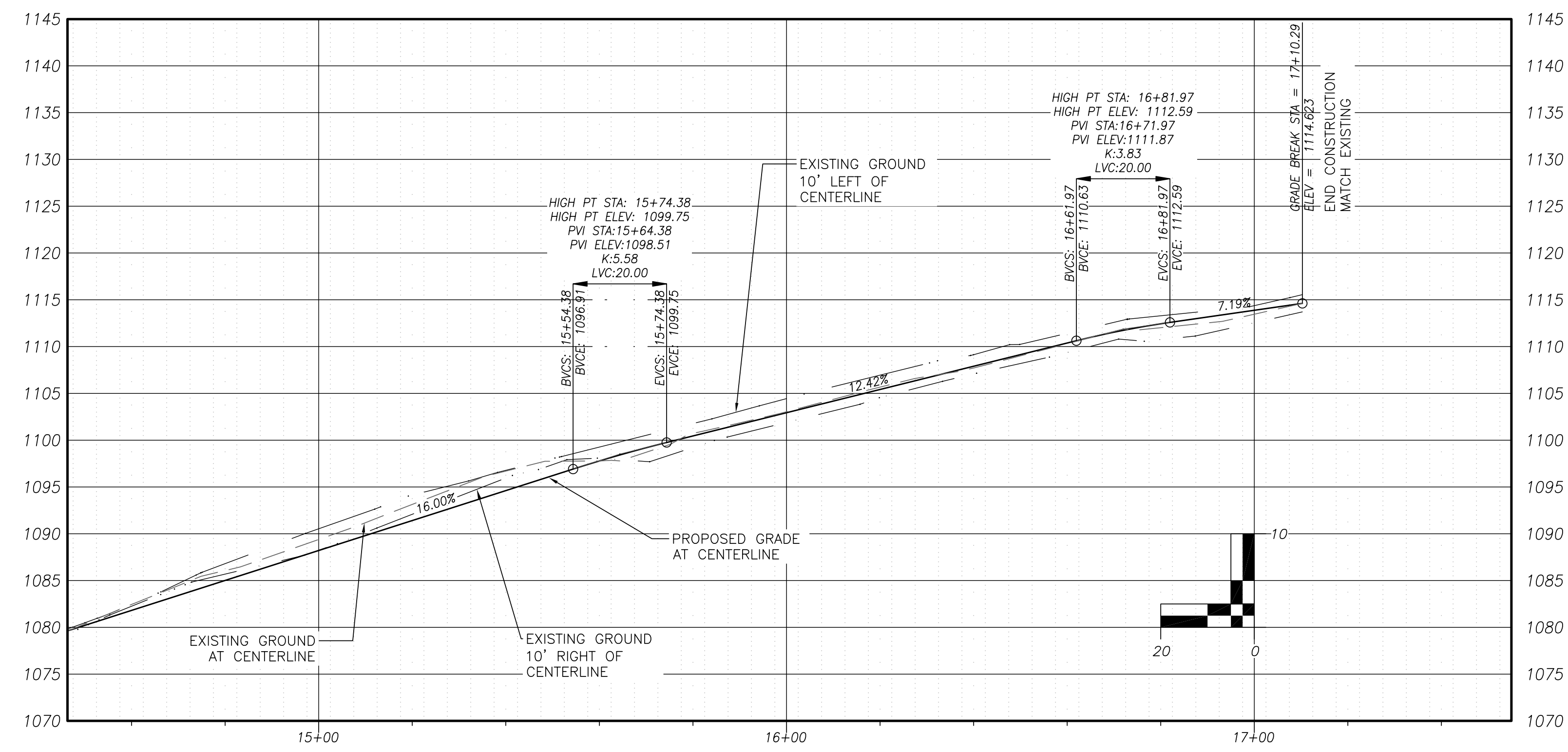
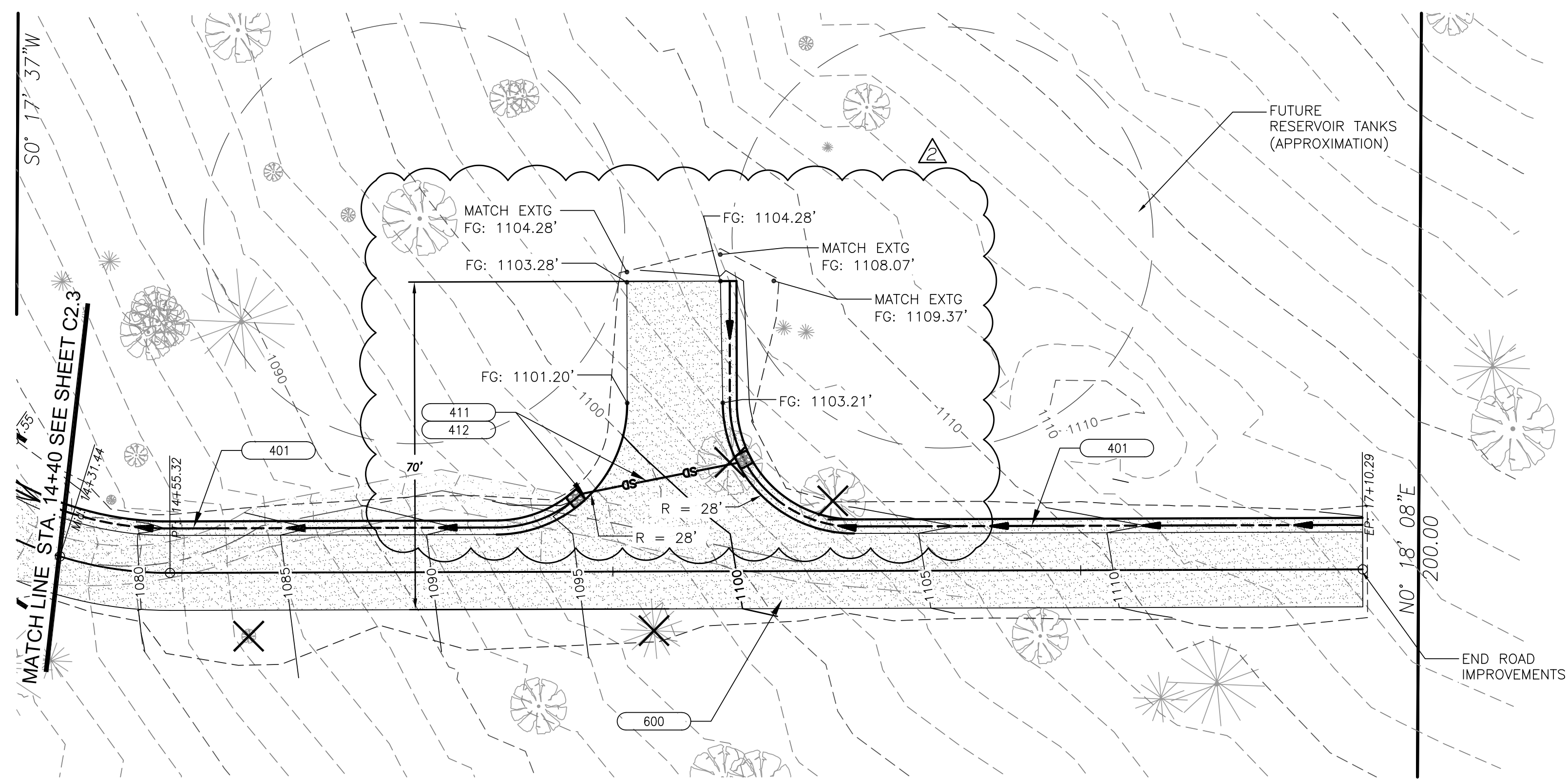
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<b>CITY OF COTTAGE GROVE RESERVOIR ACCESS DRIVEWAY</b>		
PLAN & PROFILE STATION 12+85 - 14+40		
Sheet No. <b>C2.3</b>		JOB No. 22-001L
DRAWN BY: KS	CHECKED BY: NP	
DATE: 06/05/23		





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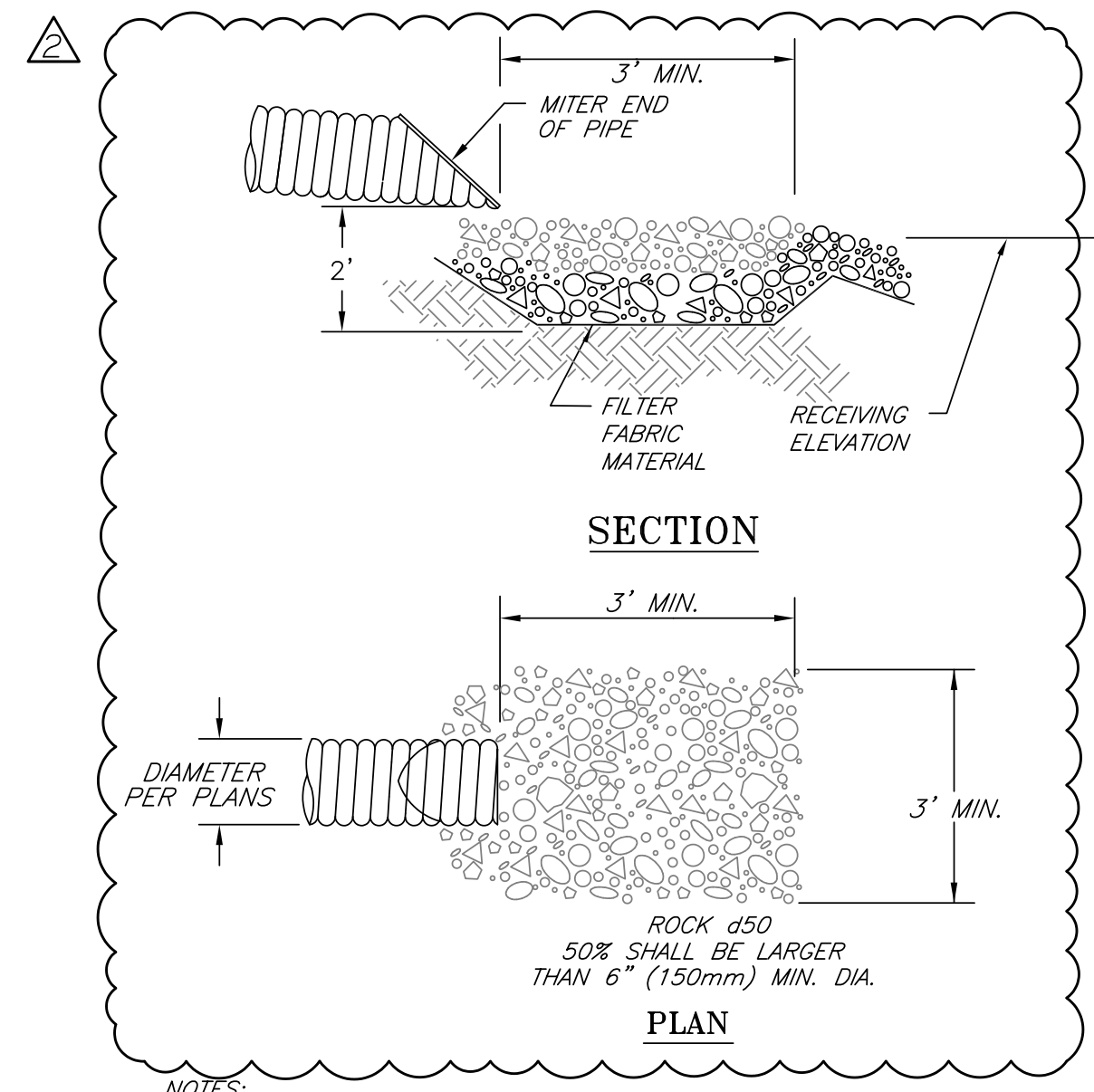
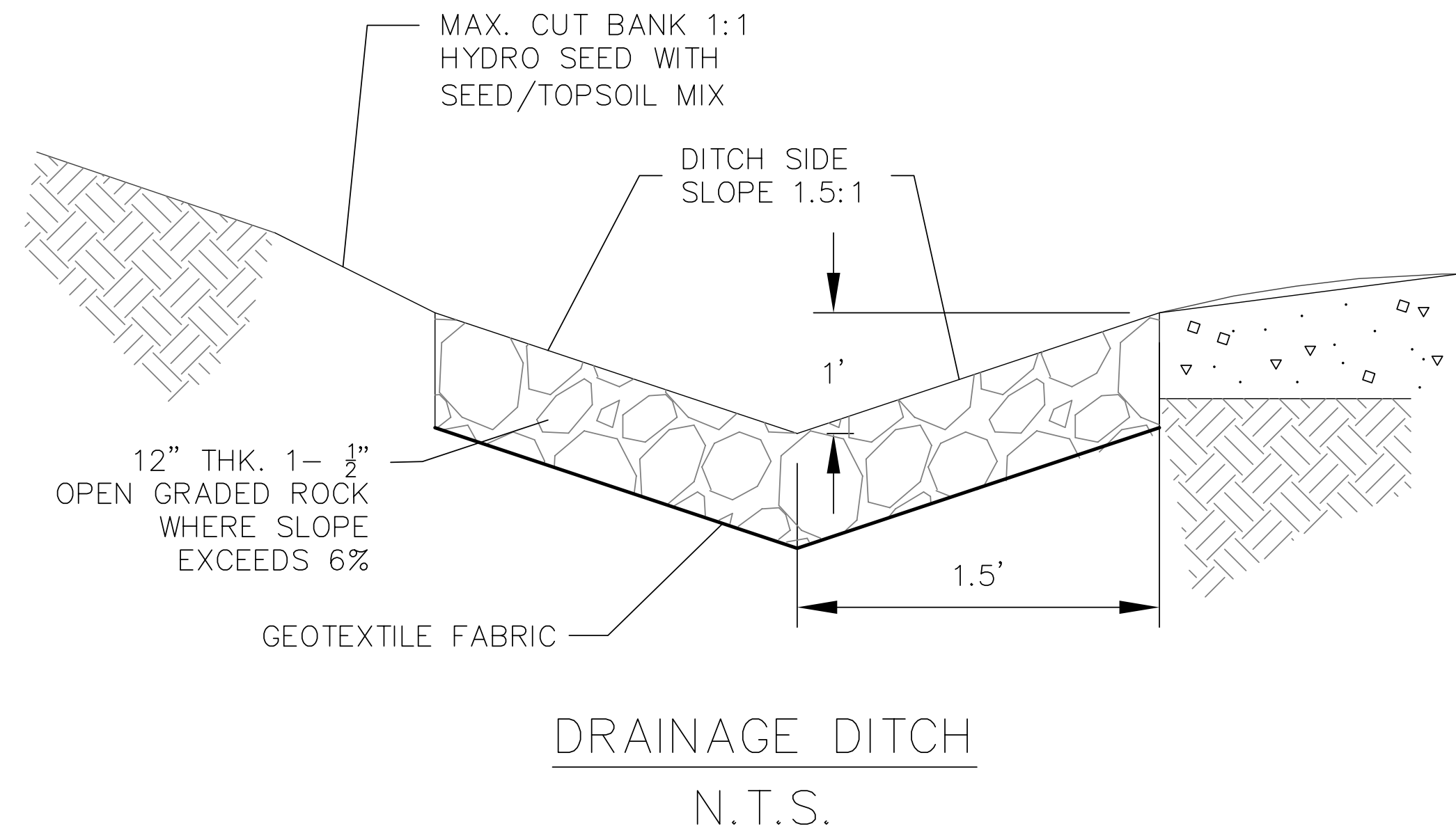


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**CITY OF COTTAGE GROVE  
RESERVOIR ACCESS DRIVEWAY**

PLAN & PROFILE  
STATION 14+40 - 17+11

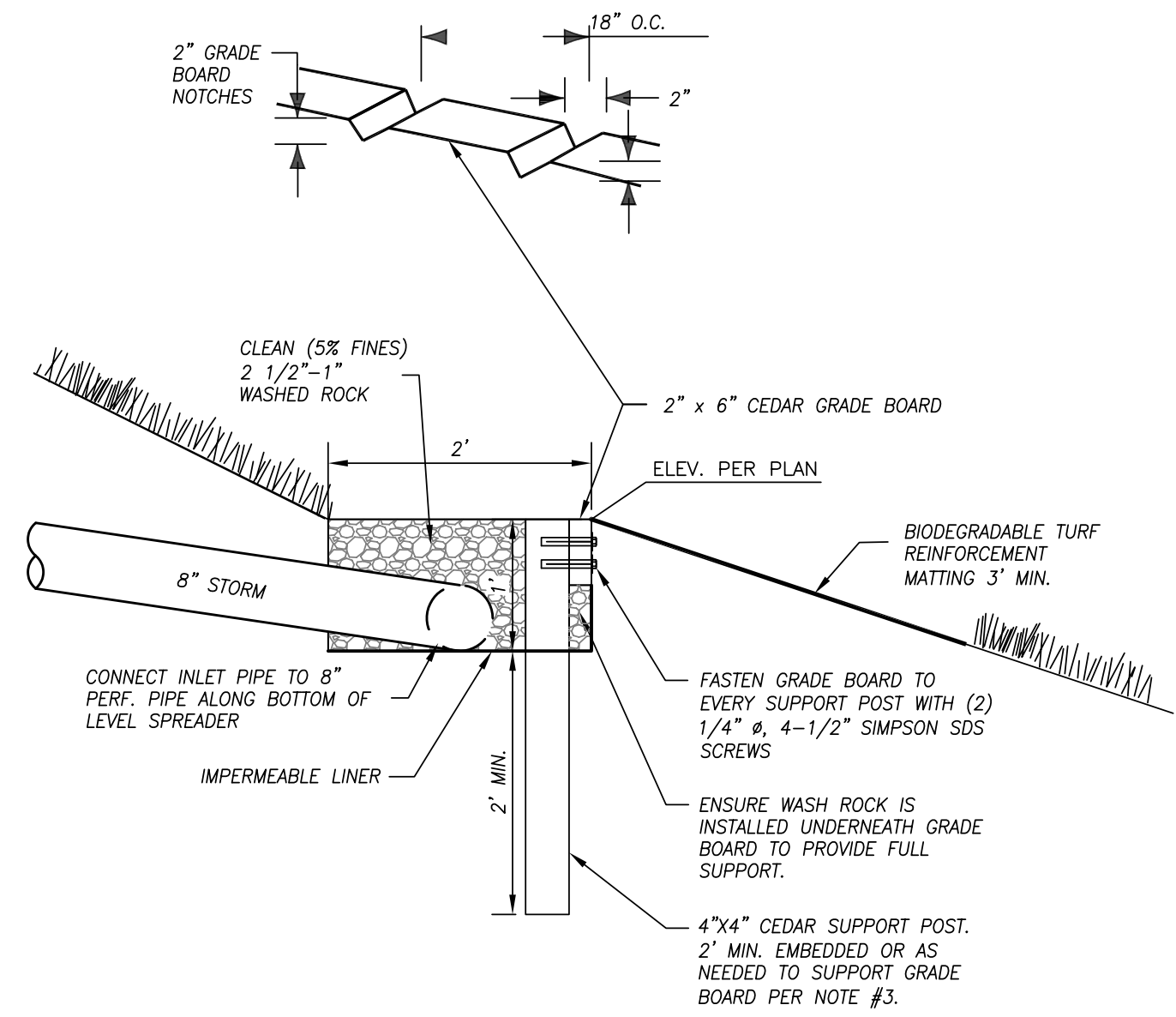
DRAWN BY: KS	CHECKED BY: NP	DATE: 06/05/23	Sheet No. <b>C2.4</b> JOB No. 22-001L
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NOTES:  
 1. APRON SHALL BE SET AT A ZERO GRADE AND ALIGNED STRAIGHT.  
 2. FILTER MATERIAL SHALL BE FILTER FABRIC OR 6" (150mm) THICK MINIMUM GRADED GRAVEL LAYER.

PIPE RIP RAP  
 INLET/OUTLET PROTECTION  
 N.T.S.

- NOTES:
- THIS TRENCH SHALL BE CONSTRUCTED SO AS TO PREVENT POINT DISCHARGE AND/OR EROSION.
  - TRENCH AND GRADE BOARD MUST BE LEVEL. ALIGN TO FOLLOW CONTOURS OF SITE.
  - SUPPORT POST SPACING AS REQUIRED BY SOIL CONDITIONS TO ENSURE GRADE BOARD REMAINS LEVEL. (6' MAX SPACING)
  - SPlice ENDS OF GRADE BOARD @ CENTERLINE OF COMMON SUPPORT POST AND FASTEN EACH GRADE BOARD TO CONNECT PER NOTE ABOVE.
  - PROVIDE SUPPORT POST WITHIN 12" OF GRADE BOARD TERMINATIONS.
  - PLANT PT 40B 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.



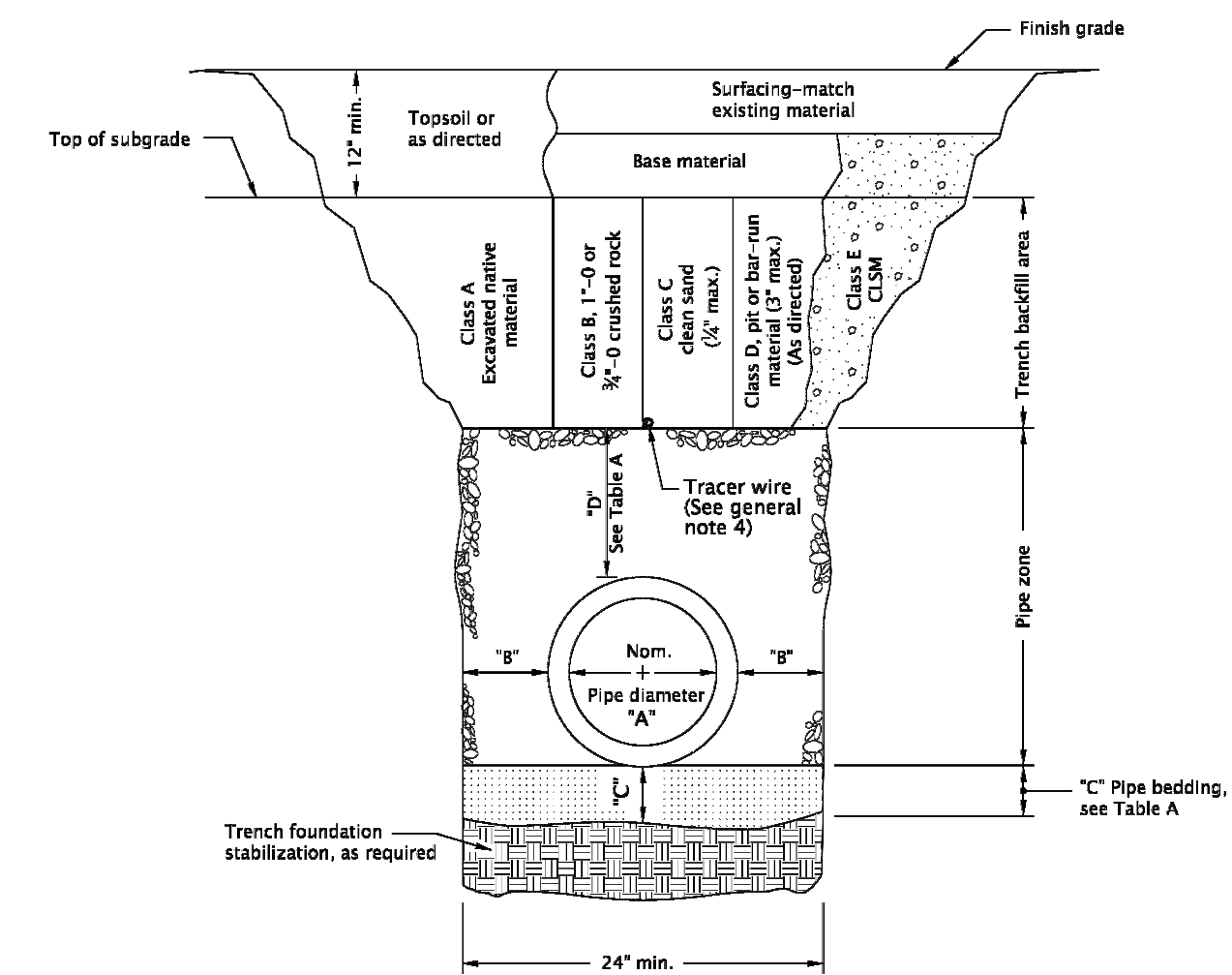
LEVEL SPREADER & VEGETATED FILTER STRIP  
 SECTION VIEW  
 SCALE: N.T.S.

RD300.dgn  
 20-JUL-2020

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.



MULTIPLE INSTALLATIONS

DIAMETER	MIN. SPACE BETWEEN PIPES
Up to 48"	24"
48" to 72"	One half (1/2) dia. of pipe

- GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:
- Surfacing of paved areas shall comply with street cut Std. Dwg. RD302.
  - For pipe installation in embankment areas where the trench method will not be used and the pipe is  $\geq 36"$  diameter, increase dimension "B" to nominal pipe diameter.
  - Pipes over 72" diameter are structures, and are not applicable to this drawing.
  - 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

BOOK NO. N/A DATE 24-JUL-2024 RD300

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

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ADD 2	ROADWAY GRADE, DRIVEWAY, AC	06/15/23

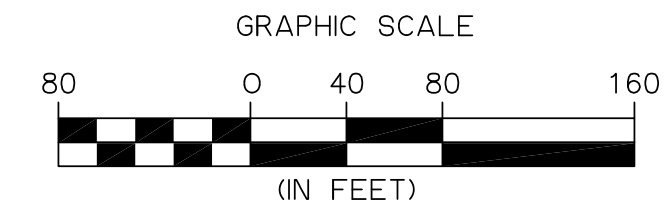
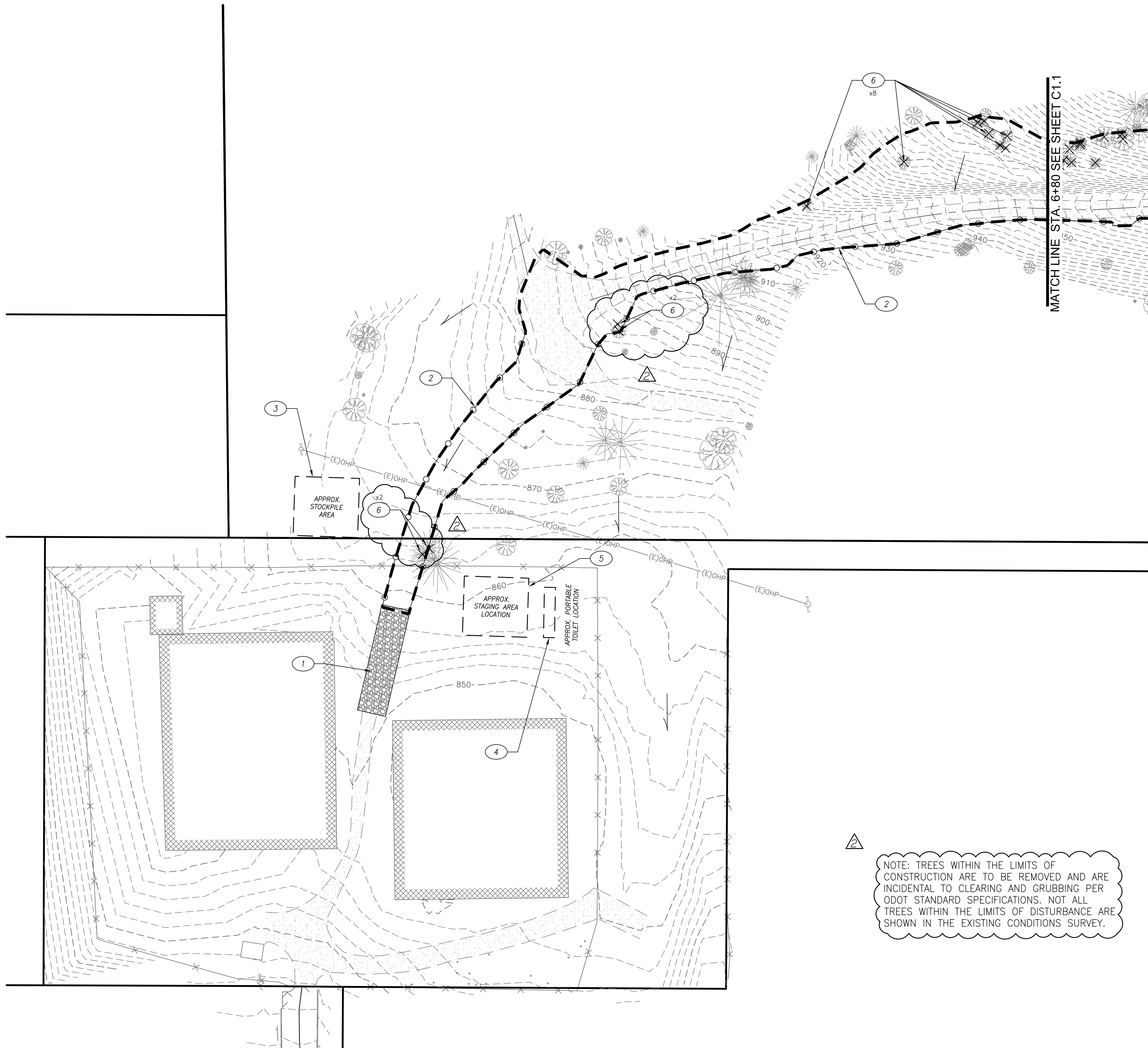
CITY OF COTTAGE GROVE  
 RESERVOIR ACCESS DRIVEWAY

DETAILS

Sheet No. **C3.0**

DRAWN BY: KS CHECKED BY: NP DATE: 06/05/23 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.
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- 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

NOTE: TREES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED AND ARE INCIDENTAL TO CLEARING AND GRUBBING PER ODOT STANDARD SPECIFICATIONS. NOT ALL TREES WITHIN THE LIMITS OF DISTURBANCE ARE SHOWN IN THE EXISTING CONDITIONS SURVEY.

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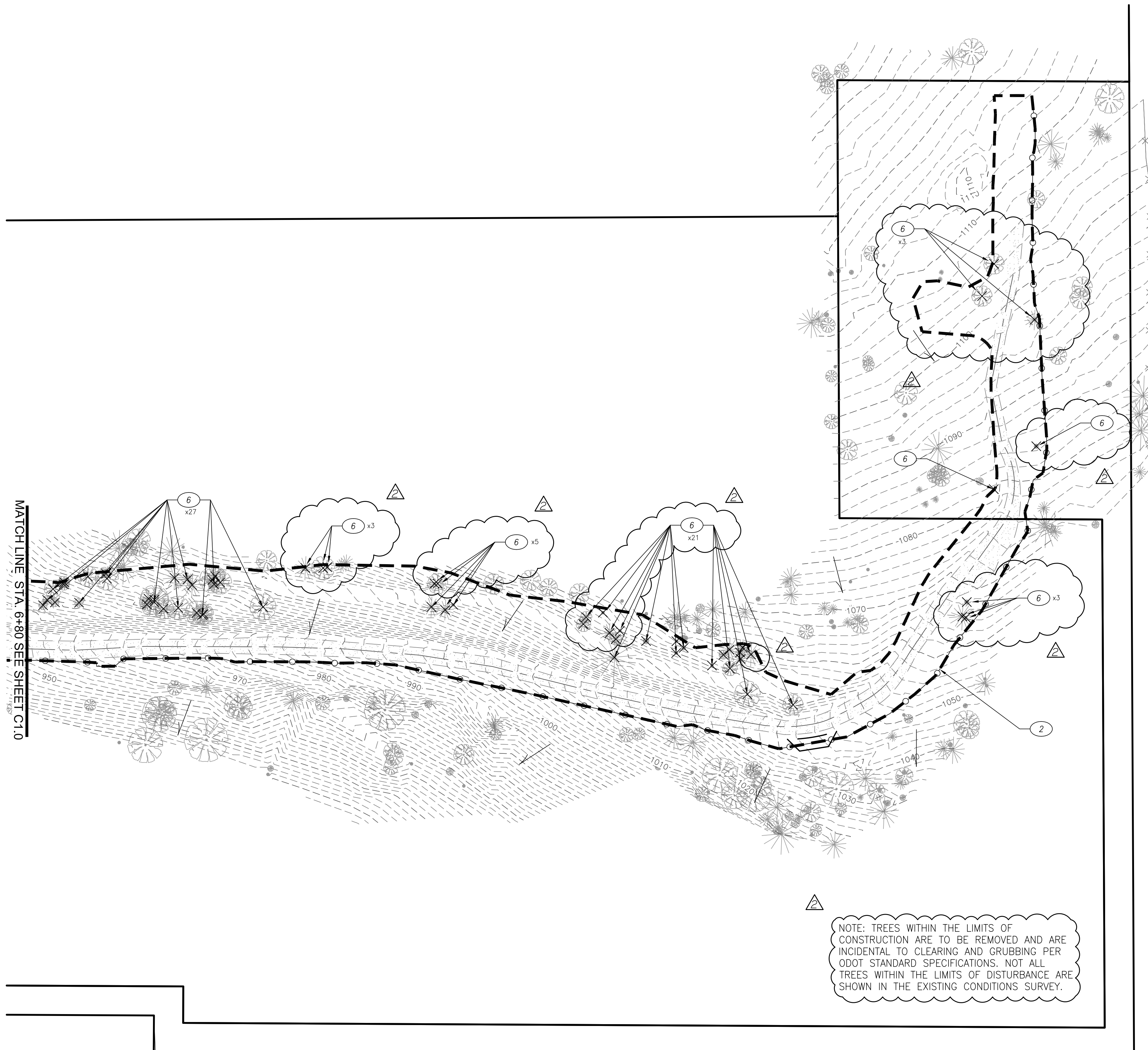
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**CITY OF COTTAGE GROVE  
RESERVOIR ACCESS DRIVEWAY**

EROSION CONTROL  
EXISTING CONDITIONS  
& DEMOLITION PLAN

Sheet No.  
**EC1.0**

DRAWN BY: KS CHECKED BY: NP DATE: 06/05/23 JOB No. 22-001L



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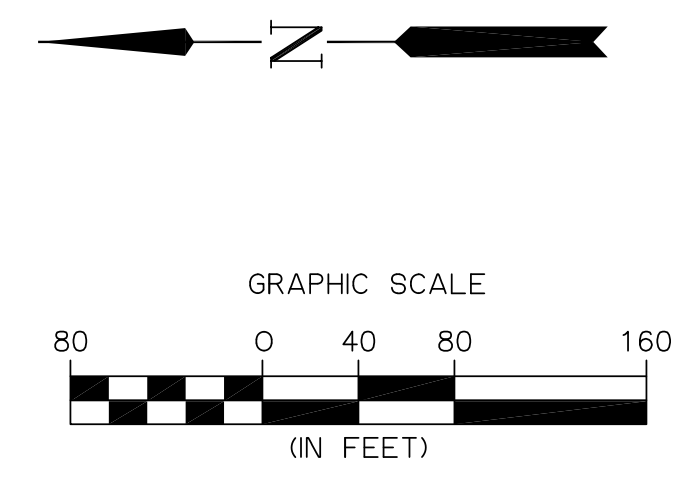
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**CITY OF COTTAGE GROVE  
 RESERVOIR ACCESS DRIVEWAY**

**EROSION CONTROL  
 EXISTING CONDITIONS  
 & DEMOLITION PLAN**

Sheet No. **EC1.1**  
 JOB No. 22-001L

DRAWN BY: KS      CHECKED BY: NP      DATE: 06/05/23



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- 6 INSALL REINFORCEMENT MATTING PER RD 1055 ON SHEET EC3.1.

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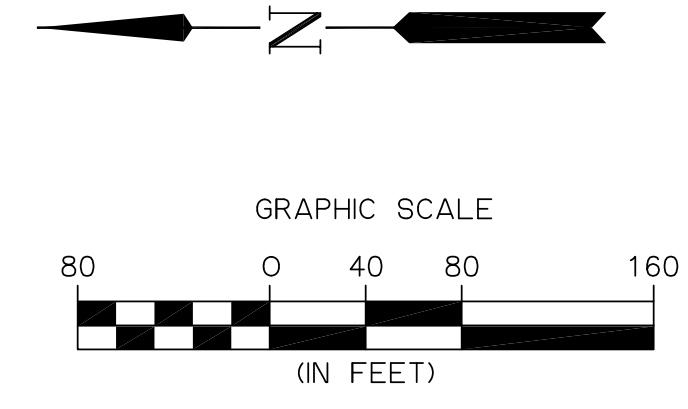
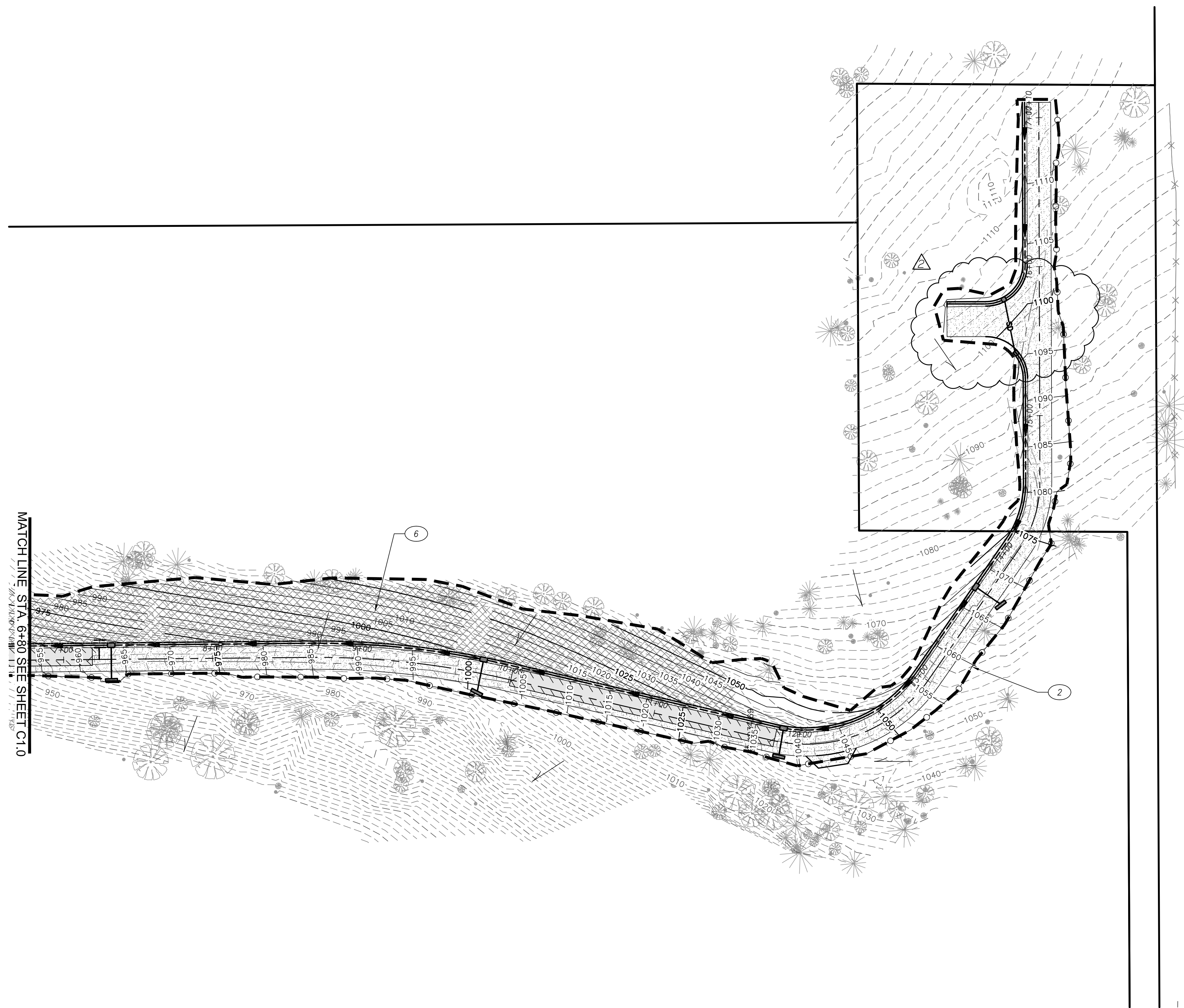
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**CITY OF COTTAGE GROVE  
 RESERVOIR ACCESS DRIVEWAY**

**EROSION CONTROL  
 SITE PLAN**

DRAWN BY: KS		CHECKED BY: NP		DATE: 06/05/23
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Sheet No.  
**EC2.0**  
JOB No. 22-001L



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**CITY OF COTTAGE GROVE  
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**EROSION CONTROL  
 SITE PLAN**

Sheet No.  
**EC2.1**

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