

CIVIL ENGINEERING PLANS

MENDENHALL ROAD DESIGN

LOCATED IN A PORTION OF THE E $\frac{1}{2}$ SW $\frac{1}{4}$ OF
SECTION 10, TOWNSHIP 59 NORTH, RANGE 1 WEST,
BOISE MERIDIAN, BONNER COUNTY, IDAHO

**BLACK RAIL RIDGE, LLC
WES MENDENHALL
212 IRONWOOD DRIVE, STE. D
COEUR D' ALENE, IDAHO 83814**

MARCH 2024
PROJECT NO: CW198

INDEX SHEET
G-1 COVER SHEET
C-1 OVERALL ROAD PLAN
C-3 ROAD PLAN AND PROFILE STA 0+00 - 13+00
C-4 ROAD PLAN AND PROFILE STA 13+00 - 25+00
D-1 DETAILS

Clearwater Engineering, LLC

P.O. Box 2006
Post Falls, ID 83877
Phone: 406.690.5249
clearwatereng.idaho@gmail.com



GENERAL NOTES:

1. ALL WORK TO CONFORM TO IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPMC) LATEST EDITION AND BONNER COUNTY STANDARDS FOR NEW PRIVATE ROAD CONSTRUCTION.
2. EX. UTILITIES ARE SHOWN BASED ON A LIMITED GROUND SURVEY AND ARE NOT GUARANTEED TO BE COMPLETE AND ACCURATE. UTILITIES ARE TO BE LOCATED BY CALLING "CALL BEFORE YOU DIG" AT 811, AT LEAST 48 HOURS PRIOR TO EXCAVATION.
3. ALL NEW DRIVE APPROACHES MUST BE CONSTRUCTED IN ACCORDANCE WITH THE BONNER COUNTY STANDARDS FOR NEW PRIVATE ROAD CONSTRUCTION.
4. NO REVISIONS SHALL BE MADE TO THE PLANS WITHOUT PRIOR AUTHORIZATION FROM THE ENGINEER. THE CONTRACTOR SHALL DOCUMENT ANY APPROVED REVISIONS AND ANY MINOR CHANGES. DOCUMENTATION TO BE PROVIDED TO THE ENGINEER FOR THE PURPOSE OF COMPLETING "AS-BUILT" DRAWINGS.
5. THE CONTRACTOR IS TO PROVIDE THE ENGINEER WITH A PRELIMINARY CONSTRUCTION SCHEDULE AND PROVIDE 48 HOUR NOTICE TO THE ENGINEER FOR CONSTRUCTION OBSERVATION.
6. CONTRACTOR TO FIELD VERIFY EX. GRADE ELEVATIONS THAT ARE SHOWN AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
7. CONTRACTOR TO RAISE ALL UTILITY BOXES TO GRADE.
8. ALL TOPSOIL AND ORGANICS TO BE REMOVED FROM AREAS WITHIN ROAD SECTION.
9. STORMWATER PIPING TO BE ASTM D3034 SDR 35 PVC WITH ELASTOMERIC GASKET JOINTS AND TO BE INSTALLED PER ISPMC TRENCH DETAIL.

CONSTRUCTION NOTES:

1. AT A MINIMUM, RIGHT-OF-WAY SHALL BE CLEARED FROM TOE OF SLOPE TO TOP OF CUT.
2. CLEARING AND GRUBBING SHALL BE COMPLETED PRIOR TO THE START OF ROAD CONSTRUCTION FOR THE ENTIRE WIDTH OF THE RIGHT-OF-WAY AND SHALL BE PROPERLY DISPOSED OF OUT OF THE RIGHT-OF-WAY AND IN COMPLIANCE WITH STATE AND LOCAL PERMITS.
3. DURING CONSTRUCTION, EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED TO MINIMIZE SOIL EROSION FROM DISTURBED SITES.
4. EXPOSED SLOPES SHALL BE RESEED AS SOON AS POSSIBLE AFTER CONSTRUCTION COMPLETION.
5. THE ROAD SUBGRADE SHALL CONSIST OF THE NATIVE MATERIALS REMAINING AFTER ORGANIC MATERIAL AND TOPSOIL HAVE BEEN REMOVED.
6. UNSTABLE SUBGRADE CONDITIONS SHALL BE REMEDIED BY OVER-EXCAVATION AND BACKFILLING WITH ENGINEER APPROVED MATERIAL OR PLACEMENT OF ENGINEER APPROVED GEOTEXTILE FABRIC.
7. BALLAST SHALL NOT BE PLACED UNTIL TESTING HAS BEEN COMPLETED AND APPROVED ON SUBGRADE.
8. ALL UNDERGROUND UTILITIES AND CONDUITS CROSSING THE ROAD SHALL BE INSTALLED PRIOR TO PLACEMENT OF BALLAST MATERIAL.
9. TOP COURSE SHALL NOT BE PLACED UNTIL TESTING HAS BEEN COMPLETED AND APPROVED ON BALLAST.
10. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS IN PAPER AND ELECTRONIC FORMAT.

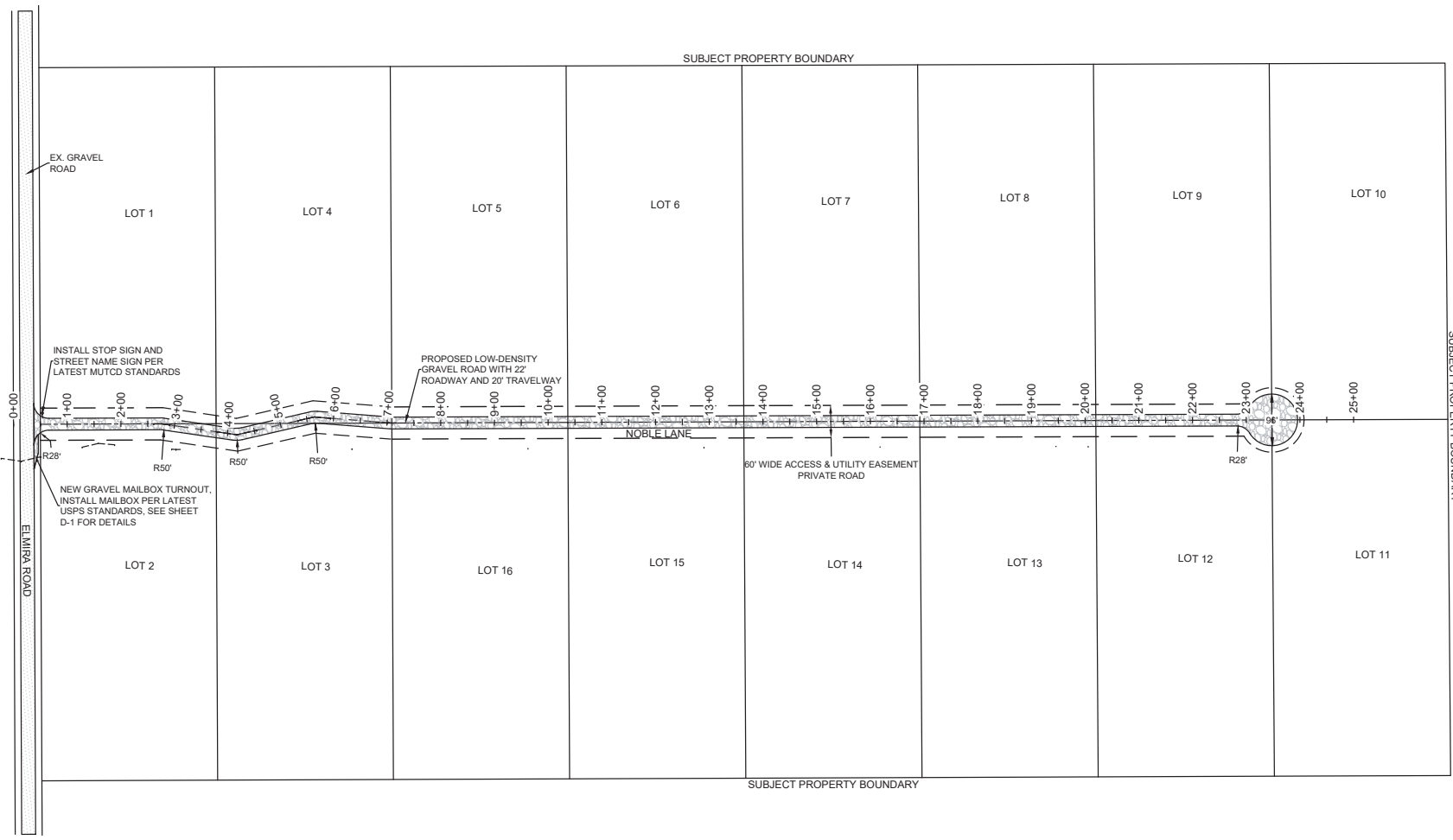


VICINITY MAP

PRELIMINARY
NOT FOR
CONSTRUCTION

DRAWING
NUMBER G-1

10/23/2010 09:18:00 - Mendonhall Road Design.dwg

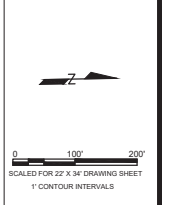


PRELIMINARY
NOT FOR
CONSTRUCTION

PROJ. NO.	REVISION
CW198	
DRAWN BY	DATE
MMC	3/7/2024
BY:	
SHEET	2 OF 5
DWG. NO.	C-1

**MENDENHALL ROAD
DESIGN
OVERALL ROAD PLAN**

Clearwater Engineering, LLC
 P.O. Box 2006
 Post Falls, ID 83877
 Phone: 406.690.5249
 clearwatereng.idaho@gmail.com

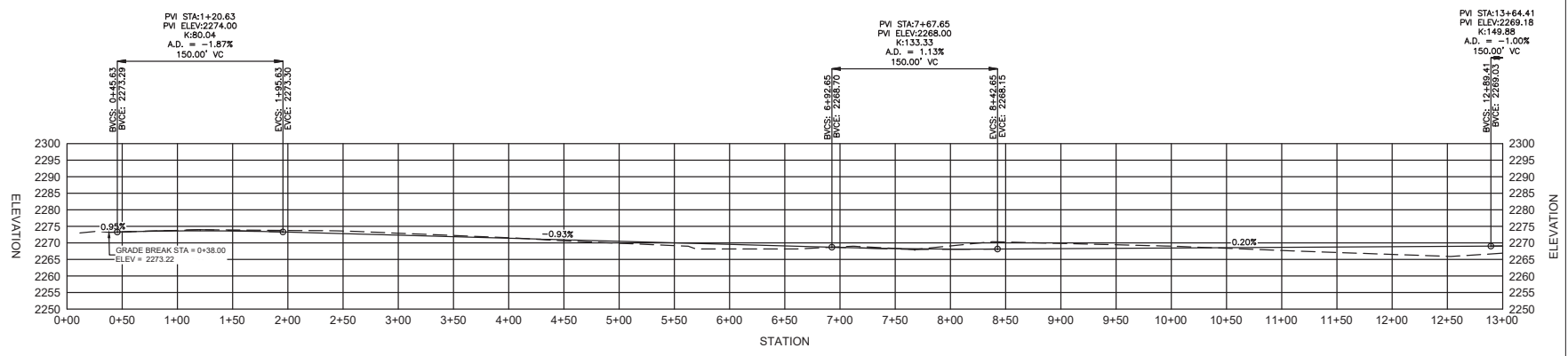
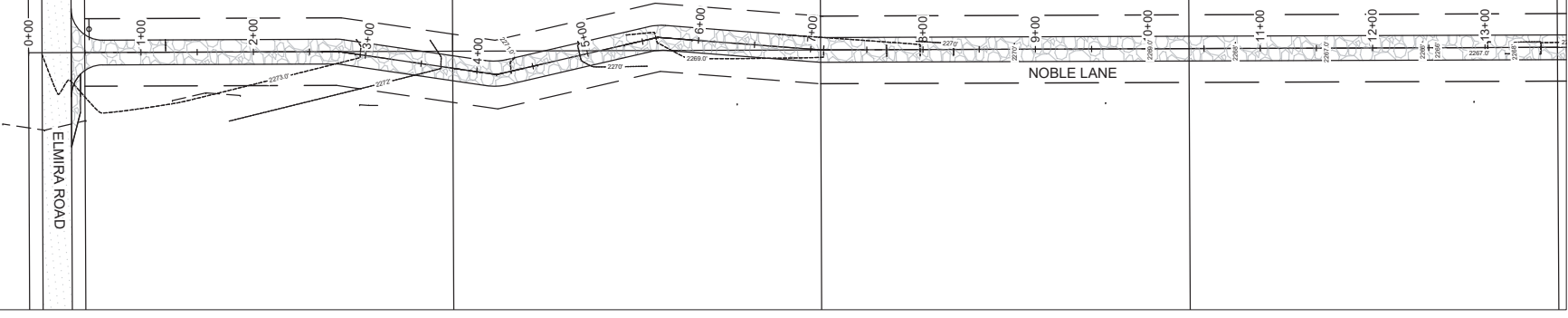
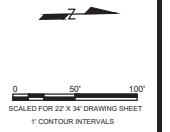


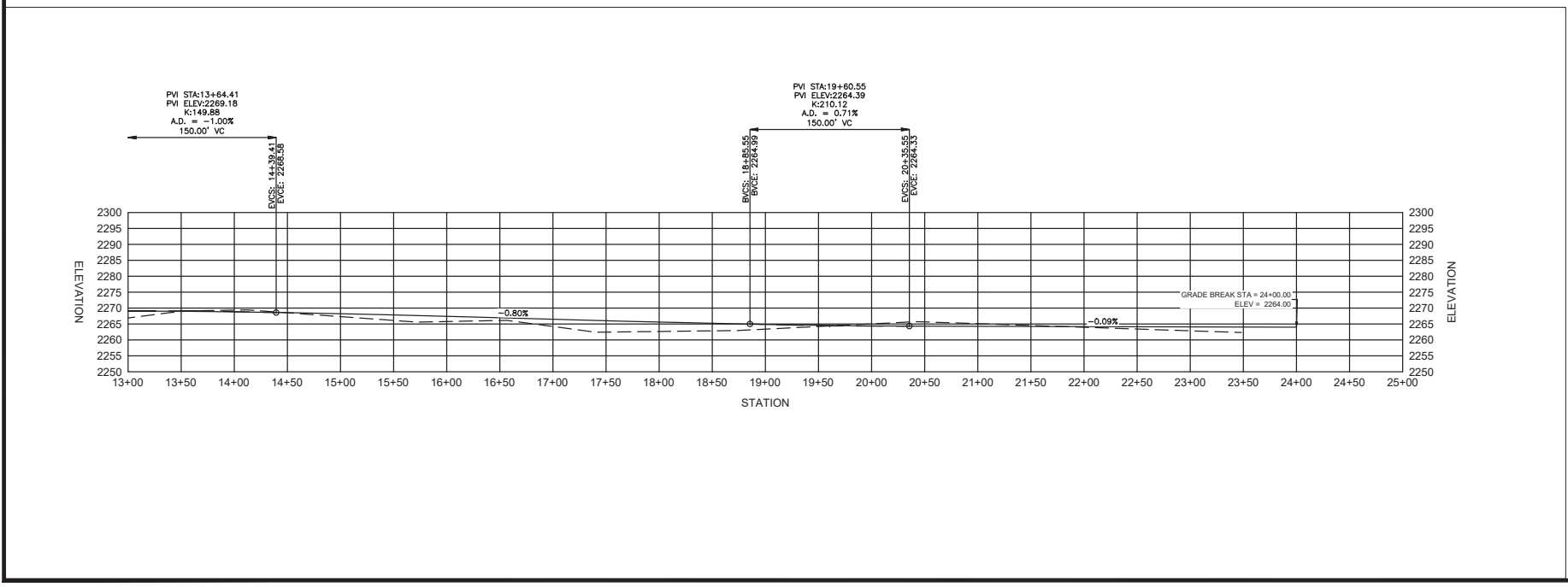
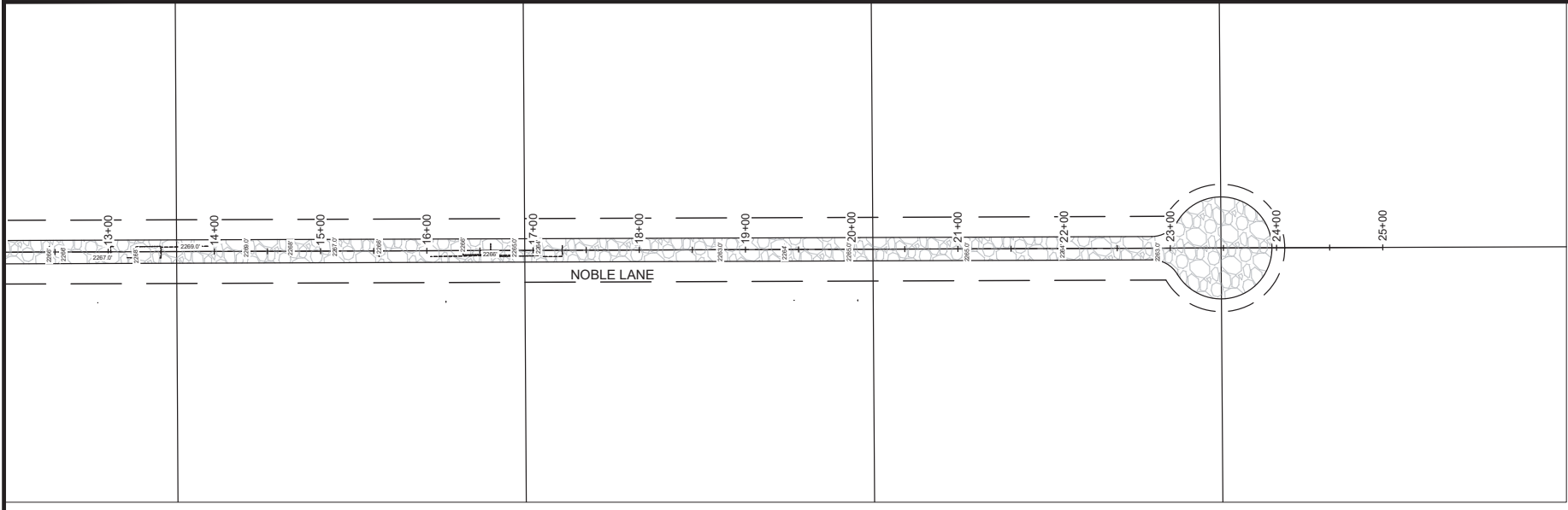
PRELIMINARY
NOT FOR
CONSTRUCTION

PROJ. NO.	REVISION
CW195	
DRAWN BY	DATE
MMC	
DATE	6/28/2024
SHEET	3 OF 5
DWG. NO.	C-2

**MENDENHALL ROAD
DESIGN
ROAD PLAN & PROFILE
STA 0+00 TO 13+00**

Clearwater Engineering, LLC
 P.O. Box 2006
 Post Falls, ID 83877
 Phone: 406.690.5249
 clearwatereng.idaho@gmail.com



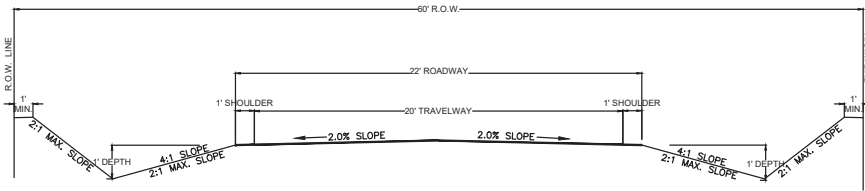
PRELIMINARY
NOT FOR
CONSTRUCTION

PROJ. NO.	REVISION
CW198	
DRAWN BY	DATE
NSC	3/7/2024
BY:	
SHEET	4 OF 5
DWG. NO.	C-3

**MENDENHALL ROAD
DESIGN
ROAD PLAN & PROFILE
STA 13+00 TO 25+00**

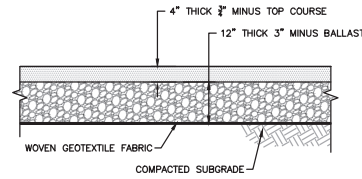
Clearwater Engineering, LLC
 P.O. Box 2006
 Post Falls, ID 83877
 Phone: 406.690.5249
 clearwatereng.idaho@gmail.com

SCALED FOR 22 X 34" DRAWING SHEET
1" CONTOUR INTERVALS



1 TYPICAL ROAD SECTION

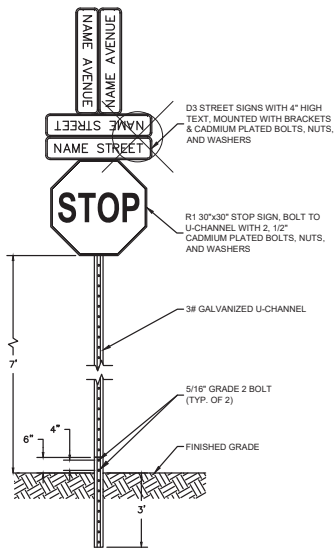
NTS



- SUBGRADE, BALLAST, AND TOP COURSE SHALL EACH BE COMPACTED TO 95% MOD STANDARD PROCTOR ASTM D698
- BALLAST MATERIAL SHALL CONSIST OF PIT RUN GRAVEL OR FRACTURED ROCK AND SHALL HAVE A SAND EQUIVALENT OF NOT LESS THAN 30.

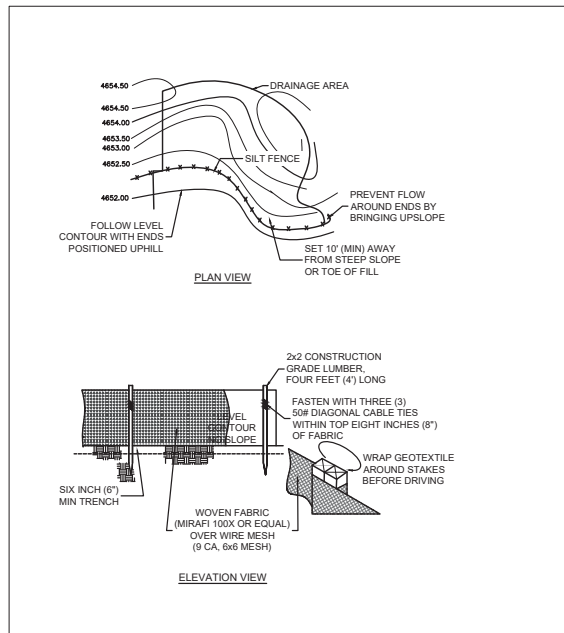
2 TYPICAL GRAVEL ROAD STRUCTURE

NTS



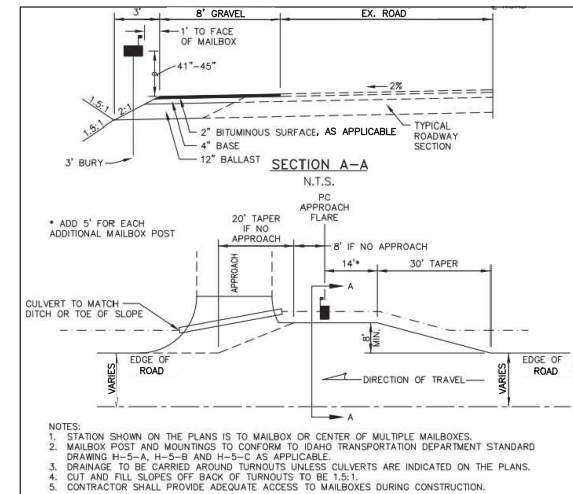
3 SIGN DETAIL

NTS



4 SILT FENCE DETAIL

NTS



- NOTES:
- STATION SHOWN ON THE PLANS IS TO MAILBOX OR CENTER OF MULTIPLE MAILBOXES.
 - MAILBOX POST AND MOUNTINGS TO CONFORM TO IDAHO TRANSPORTATION DEPARTMENT STANDARD DRAWING H-5-A, H-5-B AND H-5-C AS APPLICABLE.
 - DRAINAGE TO BE CARRIED AROUND TURNOUTS UNLESS CULVERTS ARE INDICATED ON THE PLANS.
 - CUT AND FILL SLOPES OFF BACK OF TURNOUTS TO BE 1.5:1.
 - CONTRACTOR SHALL PROVIDE ADEQUATE ACCESS TO MAILBOXES DURING CONSTRUCTION.

5 TYPICAL MAILBOX TURNOUT DETAIL

NTS

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJ. NO.	REVISION
CW198	DATE
DWN BY	DATE
NMC	BY:
ISS. DATE	3/7/2024
SHEET	5 OF 5
DWG. NO.	D-1

MENDENHALL ROAD
DESIGN
DETAILS

Clearwater Engineering, LLC

P.O. Box 2006
Post Falls, ID 83877
Phone: 406.690.5249
clearwatereng.idaho@gmail.com

