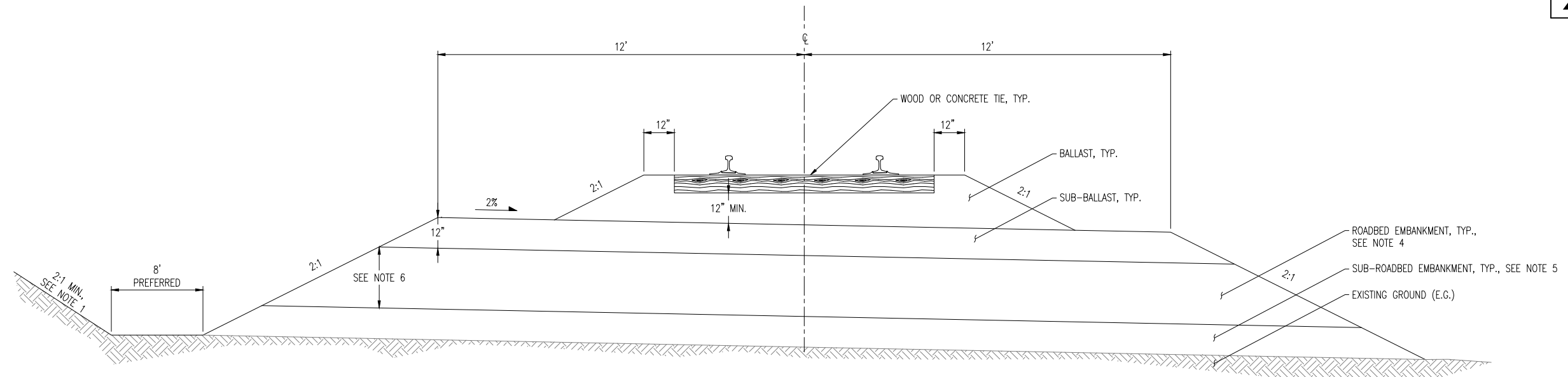
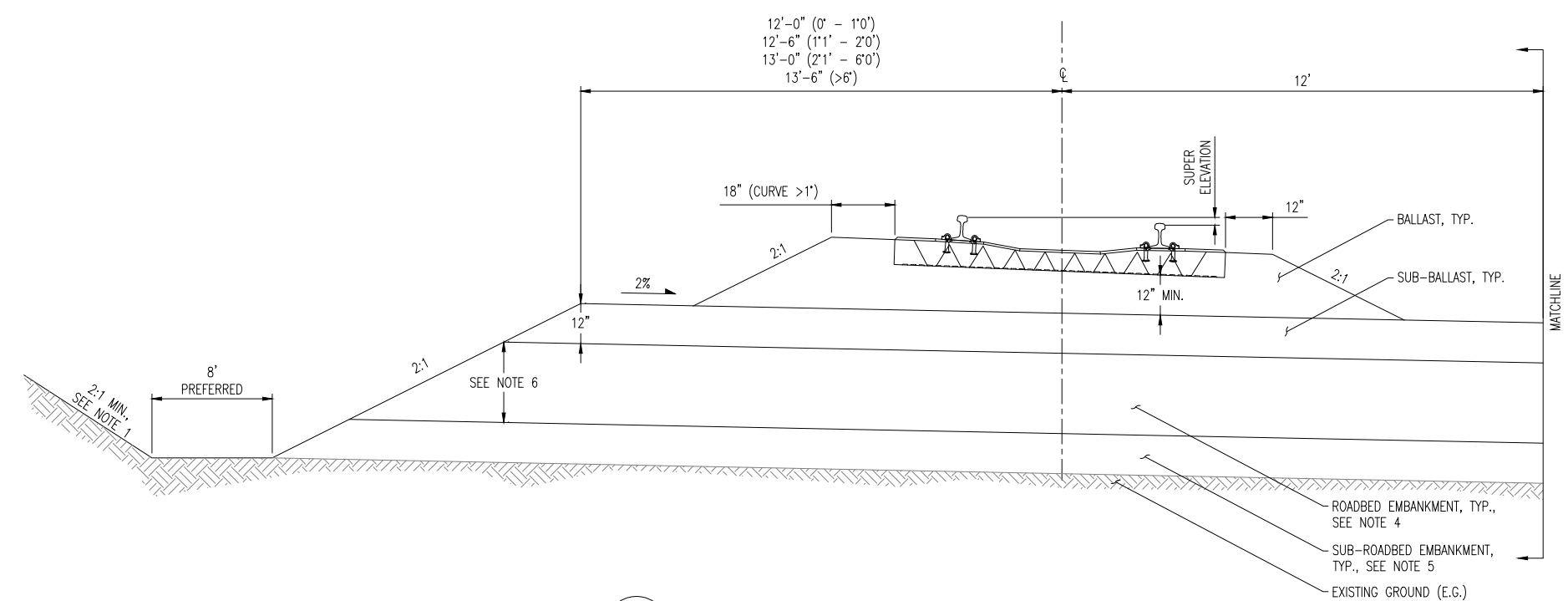


DRAWING LOCATION: P:\ENGINEERING\ARRC STANDARDS\2. STANDARD DRAWINGS\1. ROADWAY (X)\X-1 TYPICAL SECTIONS.DWG

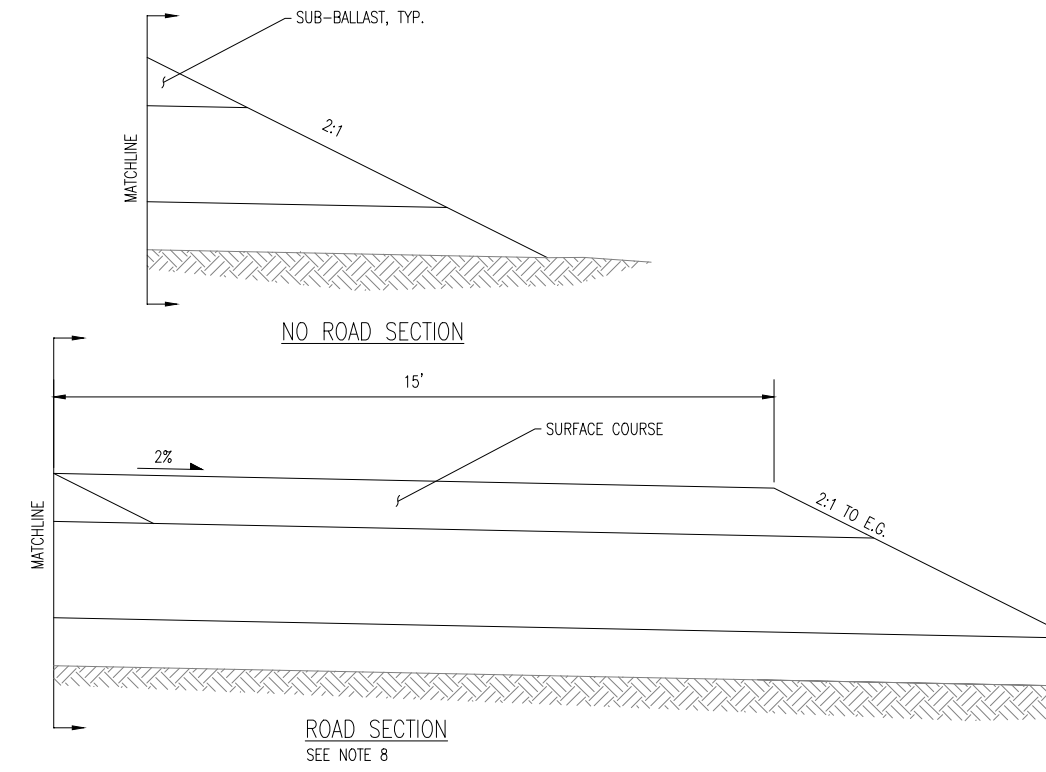
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DATE/TIME: 6/1/2026 3:35:34 PM



A TANGENT SECTION - SINGLE TRACK
X-01.01 SCALE: 1/2"=1'-0" (FULL SIZE)



B CURVE SECTION - SINGLE TRACK
X-01.01 SCALE: 1/2"=1'-0" (FULL SIZE)



C SHOULDER SECTION
X-01.01 SCALE: 1/2"=1'-0" (FULL SIZE)

GENERAL NOTES:

1. BACK SLOPES OTHER THAN 2:1 SHALL BE AT THE DIRECTION OF THE ENGINEER.
2. SUB-GRADE SHALL SLOPE TO PREVAILING DRAINAGE SIDE ON TANGENT TRACK AND TO THE INSIDE OF THE CURVE ON CURVED TRACK.
3. SUB-GRADE TRANSITION RATE TO BE 1" OVER 10'-0".
4. EXCAVATION (NATIVE MATERIAL) MAY BE USED FOR THE ROADBED EMBANKMENT IF IT MEETS REQUIREMENTS FOR SELECTED MATERIAL, TYPE A.
5. EXCAVATION (NATIVE MATERIAL) MAY BE USED FOR THE SUB-ROADBED EMBANKMENT IF IT MEETS THE REQUIREMENTS FOR SELECTED MATERIAL, TYPE C.
6. MINIMUM 24" FOR EXISTING EMBANKMENT RECONSTRUCTION. MINIMUM 36" FOR NEW EMBANKMENT CONSTRUCTION.
7. NEW EMBANKMENT CONSTRUCTION OVER 2000' LONG SHALL INCLUDE ACCESS ROAD ADJACENT TO TRACK IN ACCORDANCE WITH ENGINEERING INSTRUCTIONS.
8. ROAD SECTION MAY BE CONSTRUCTED ON THE LEFT OR RIGHT SIDE OF EMBANKMENT AT THE DIRECTION OF THE ENGINEER.

MATERIALS:

- SUB-ROADBED EMBANKMENT: SELECTED MATERIAL, TYPE C IN ACCORDANCE WITH SUBSECTION 703-2.07.
- ROADBED EMBANKMENT: SELECTED MATERIAL, TYPE A IN ACCORDANCE WITH SUBSECTION 703-2.07.
- SUB-BALLAST: AGGREGATE BASE COURSE, GRADING C-1 IN ACCORDANCE WITH SUBSECTION 703-2.03.
- SURFACE COURSE: AGGREGATE BASE COURSE, GRADING D-1 IN ACCORDANCE WITH SUBSECTION 703-2.13.
- BALLAST: TYPE 3 (FOR MAIN LINE TRACK) OR 4A (FOR INDUSTRY TRACK) IN ACCORDANCE WITH SUBSECTION 703-2.17.

CONSTRUCTION:

- EXCAVATE, AS REQUIRED, IN ACCORDANCE WITH SECTION 203.
- PLACE GEOTEXTILE MATERIAL IN ACCORDANCE WITH SECTION 630.
- PLACE, GRADE, AND SHAPE SELECTED MATERIALS, TYPES A AND C, IN ACCORDANCE WITH SUBSECTION 203-3.03.
- COMPACT SELECTED MATERIAL, TYPE A IN ACCORDANCE WITH SUBSECTION 203-3.04 "COMPACTION WITH MOISTURE AND DENSITY CONTROL".
- COMPACT SELECTED MATERIAL, TYPE C IN ACCORDANCE WITH SUBSECTION 203-3.05 "COMPACTION WITHOUT MOISTURE AND DENSITY CONTROL".
- PLACE AND GRADE AGGREGATE BASE COURSES IN ACCORDANCE WITH SUBSECTION 301-3.01.
- SHAPE AND COMPACT AGGREGATE BASE COURSES IN ACCORDANCE WITH SUBSECTION 301-3.03 "SHAPING AND COMPACTION".
- PLACE RAILROAD BALLAST OF THE TYPE INDICATED ON THE PLANS IN ACCORDANCE WITH SUBSECTION 309-2.01.
- UPON COMPLETION OF THE TRACK WORK; PLACE ADDITIONAL BALLAST AS NEEDED TO TAMP, SURFACE, AND DRESS BALLAST IN ACCORDANCE WITH SUBSECTION 309-3.02.

ALASKA RAILROAD

STANDARD PLAN

MAINLINE - SINGLE TRACK

ADOPTED AS A STANDARD PLAN BY: 
Brian A. Lindamood, P.E., S.E.
Chief Engineer

ADOPTION DATE: 06/01/2026

LAST CODE AND STANDARDS REVIEW
BY: BAO DATE: 01/05/2024

X-01.01