



IDAHO WATER RESOURCE BOARD

ITB 2021-002 Mile Post 31 Embankment Project Q & A

-
- 1. Can you please provide labeling for the existing contours on the east side of plan sheet C4?**

Response:

An updated Sheet C4 showing existing ground contours east of the embankment is provided with this response. Plan sheet C4 attached.

- 2. The seed mix in the spec lists Blue Penstemon as a part of the seed mix. Would Rocky Mountain Penstemon be acceptable?**

Response:

Rocky Mountain Penstemon is not an acceptable substitute. Per the response provided by BLM regarding Rocky Mountain Penstemon, "It is not native to Idaho and is not found naturally growing in elevations under 7000 ft."

- 3. The locally sourced riprap appears to contain a large quantity of rock larger than the 6"-12" spec, along with various fines smaller than 6". Please confirm that all riprap needs to be in between 6" and 12" and that no larger rock will be acceptable.**

Response:

The minimum riprap size shall be 6 inches. The design riprap blanket thickness for the embankment is 18 inches, and as the erosion risk is limited on the face of the embankment, rock up to a maximum 'C' dimension of 18 inches will be allowed. If the contractor's preference is to sort less rock, at his option, the blanket thickness for the embankment may be increased to 24 to 30 inches with a maximum 'C' dimension of 24 to 30 inches.

For the spillway, the erosion risk is more significant. The design riprap blanket thickness for the spillway is 24 inches. Therefore, the maximum allowable 'C' dimension for the spillway riprap shall be 18 inches. If the contractor's preference is to sort less rock, at his option, the blanket thickness for the spillway may be increased to 30 – 36 inches with a maximum 'C' dimension of 24 to 30 inches.

(Note: The 'C' dimension refers to the smallest rock dimension with 'A' referring to length, 'B' referring to width, and 'C' referring to height.) In all other aspects, riprap shall meet the requirements of Section 02350 of the Contract Documents.

4. Is there an opportunity to still be eligible to bid this project?

Response:

Bids will not be accepted from prime bidders who do not attend the mandatory pre-bid conference. Per section AB-1 and BP-10 of the bid documents.

5. If you would have time to meet onsite we would request a meeting and also an addendum to the project to allow for additional bidders.

Response:

The mandatory requirements in AB-1 and BP-10 do not allow us to accommodate this request.

5.1 Do you have any plans to change this requirement in an addendum?

Response:

No

5.2 Can we receive a copy of the sign in sheet for the Pre-bid?

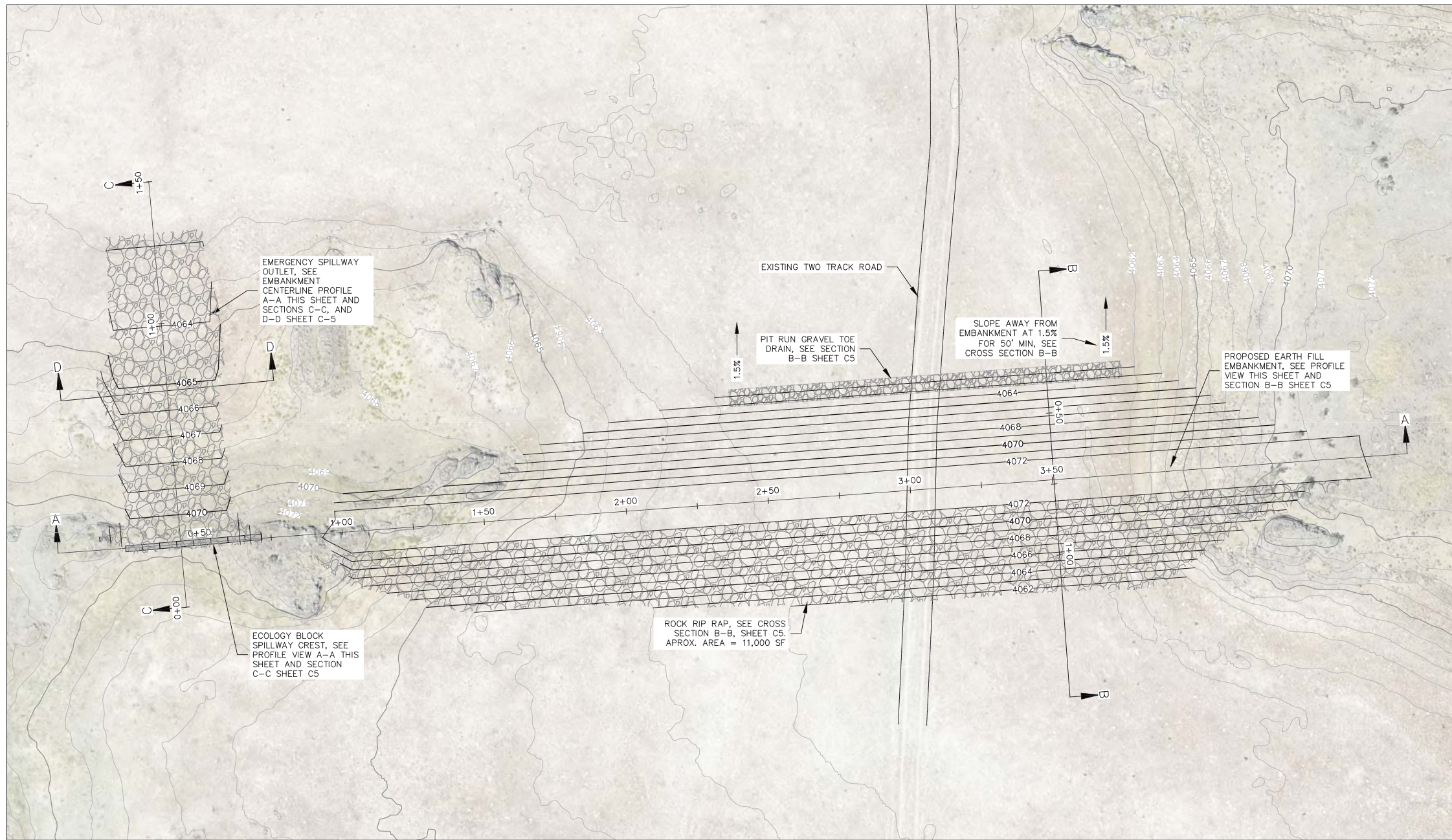
Response:

Pre-bid Sign in sheet is attached

6. We are requesting some aerial photos from the Quadrant Consulting, Inc. of the MP-31 project site.

Response:

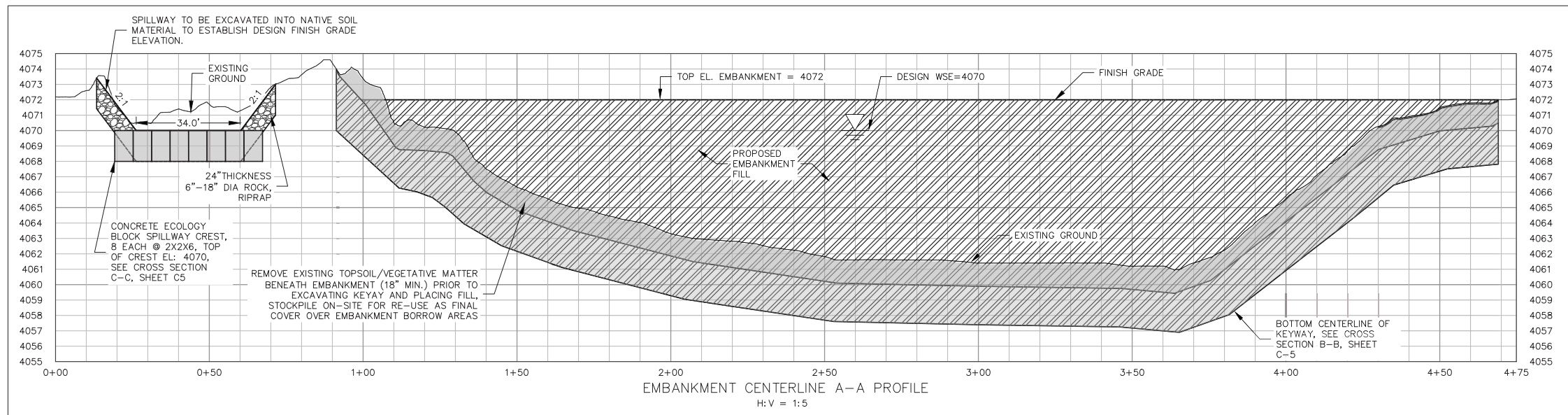
Link to photos - <https://app.box.com/s/xasxynnlay8puzy00ubze1gr7zc44hto>



- EMBANKMENT FILL SPECIFICATIONS:**
1. FREE OF LARGE ROCKS GREATER THAN 4" IN DIAMETER, ROOTS, REFUSE, BRUSH, CEMENTED SOILS, FROZEN SOILS, OR OTHER DEBRIS.
 2. SOIL SHALL BE NATIVE INORGANIC, LEAN CLAY OR CLAYEY SAND MATERIAL AND CONFORM TO THE REQUIREMENTS PRESENTED IN THE LIMITED GEOTECHNICAL ENGINEERING REPORT BY MATERIALS TESTING AND INSPECTION (MTI) DATED SEPTEMBER 11, 2020, SEE SPECIFICATIONS.
 3. FILL SHALL NOT INCLUDE EXPANSIVE CLAYS
 4. GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE OF EXPOSED SUBGRADE PRIOR TO INITIAL FILL PLACEMENT.
 5. EMBANKMENT SHALL BE CONSTRUCTED IN 6" THICK LIFTS MAXIMUM COMPACTED TO EXCEED 95% ASTM D698. COMPACTION SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER. ONE COMPACTION TEST PER LIFT PER 50 FEET OF EMBANKMENT LENGTH REQUIRED, MIN.
 6. THE OWNER WILL CONTRACT SEPARATELY WITH AN INDEPENDENT THIRD PARTY TESTING FIRM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ON SITE TESTING AND INSPECTION WITH OWNER'S INDEPENDENT TESTING FIRM TO ENSURE THAT FILL PLACEMENT HAS BEEN COMPLETED TO PROJECT SPECIFICATIONS.

- EMBANKMENT BORROW:**
1. REMOVE UPPER 12" OF TOPSOIL/VEGETATIVE MATTER FROM EMBANKMENT BORROW AREAS, STOCKPILE ON-SITE FOR RE-USE.
 2. GEOTECHNICAL ENGINEER SHALL BE CONTACTED TO VERIFY SUITABILITY OF BORROW MATERIAL PRIOR TO PLACEMENT.
 3. PER NRCS SOILS REPORT FOR JEROME COUNTY (SEE SPECIFICATIONS), ON-SITE MATERIAL IS A CLAY LOAM SOIL TYPE WITH AN EXPECTED DEPTH OF 5"-15". THIS MATERIAL IS SUITABLE FOR EMBANKMENT CONSTRUCTION EXCLUDING ANY CEMENTED MATERIAL AND COBBLE GREATER THAN 8" IN DIAMETER.
 4. FOLLOWING COMPLETION OF EMBANKMENT CONSTRUCTION, SPREAD STOCKPILED TOPSOIL TO A MINIMUM 6" THICKNESS OVER ALL DISTURBED AREAS.

- NOTES:**
- EMBANKMENT FILL VOLUME = 5220 CY
 - RIP-RAP VOLUME (UP STREAM FACE) = 720 CY
 - RIP-RAP VOLUME (SPILLWAY) = 250 CY
 - PIT-RUN VOLUME (TOE DRAIN) = 180 CY
 - MAXIMUM EMBANKMENT FILL HEIGHT = 10.5'±
 - MAXIMUM HYDRAULIC HEIGHT = 8.5'±
 - MAXIMUM EMBANKMENT WIDTH @ EG TOE = 78'±
 - EMBANKMENT WIDTH @ TOP = 15'±
 - ESTIMATED FULL POOL VOLUME ABOVE BASE OF EMBANKMENT = 2370 ACRE-FT



CHECKED BY: MKK	DATE: 2/21/21
DRAWN BY: KD	DATE:
DATE:	DESCRIPTION:

**MP-31 EMBANKMENT
PRE-BID MEETING SIGN-IN SHEET**

January 26, 2021

Name	Company	Phone	Email
1 Tim Pollard	Starr Corp	208-969-1305	time.starr.corporation.com
2 Adam DiPietro	Starr Corp	2084907555	adam@starrcorporation.com
3 Josh Crimbach	Kniferiver	208 805-0540	joshua.Crimba@kniferiver.com
4 Ry Butler	KRC	208 819 2618	Ry.butler@kniferiver.com
5 Tom Morgan	EAGLE ROCK TIMBER	208 709-0568	tmorgan@eaglerocktimber.com
6 Ron Gibron	Summit Construction	208-850-2913	rongibron1@yahoo.com
7 J. Hassan	TCI is the same	208 22 356	johannes.TCI@tciconsult.com
8 Nick Kraus	GC	208-342-0091	nick@quadrat.cc
9 Paul Thomas	IDWR	215 692 2595	paulthomas@idwr.idaho.gov
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			