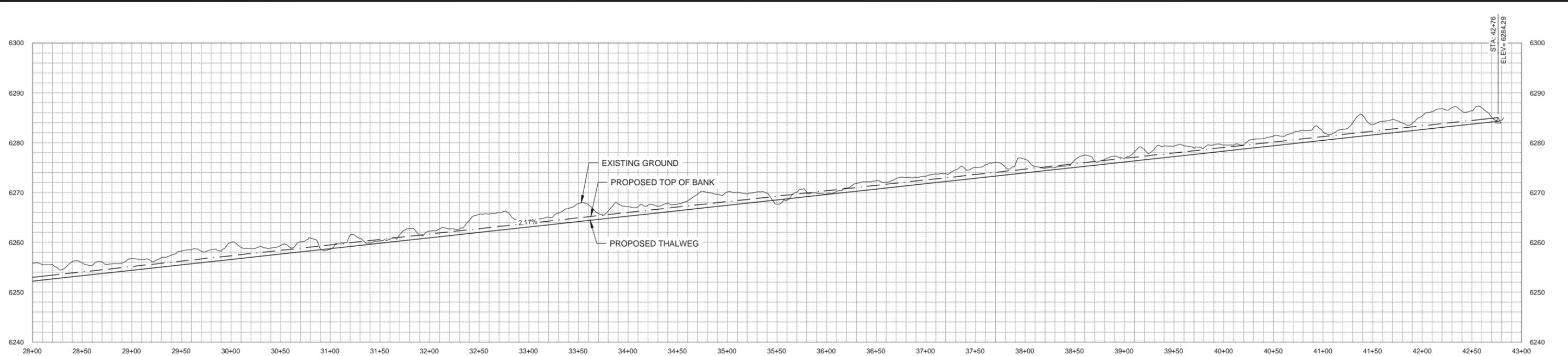
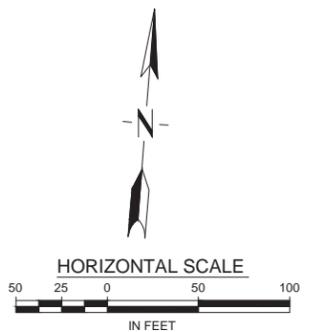


**NOTES:**

1. SURFACE CONTOURS CREATED FROM DIGITAL TERRAIN MODEL BY LIDAR METHODS FROM ROBERT PECCIA & ASSOCIATES, INC.
2. HORIZONTAL DATUM = NAD83 MONTANA STATE PLANE, VERTICAL DATUM = NAVD88
3. CONTOUR INTERVAL = 1 FT.
4. EXISTING CHANNEL SHALL BE PLUGGED WITH COMPACTABLE MATERIAL. BACKFILL TO MINIMUM ELEVATION NOTED WITHIN HATCHED AREAS. SUITABLE PLUG MATERIAL SHALL BE APPROVED BY THE ENGINEER.
5. EXCESS CUT MATERIAL RESULTING FROM STREAM AND FLOODPLAIN CONSTRUCTION SHALL BE UTILIZED TO FILL EXISTING STREAM CHANNEL AT LOCATIONS SHOWN.
6. APPROVED EXCESS MATERIAL MAY BE STOCKPILED AT LOCATION SHOWN.
7. EXISTING STREAM CHANNEL SHALL BE FILLED TO BANK FULL ELEVATION TO CREATE LOCALIZED DEPRESSIONS AS DIRECTED BY ENGINEER. FILL LOCATIONS SHALL BE DETERMINED ON SITE BY ENGINEER.



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An Employee-Owned Company

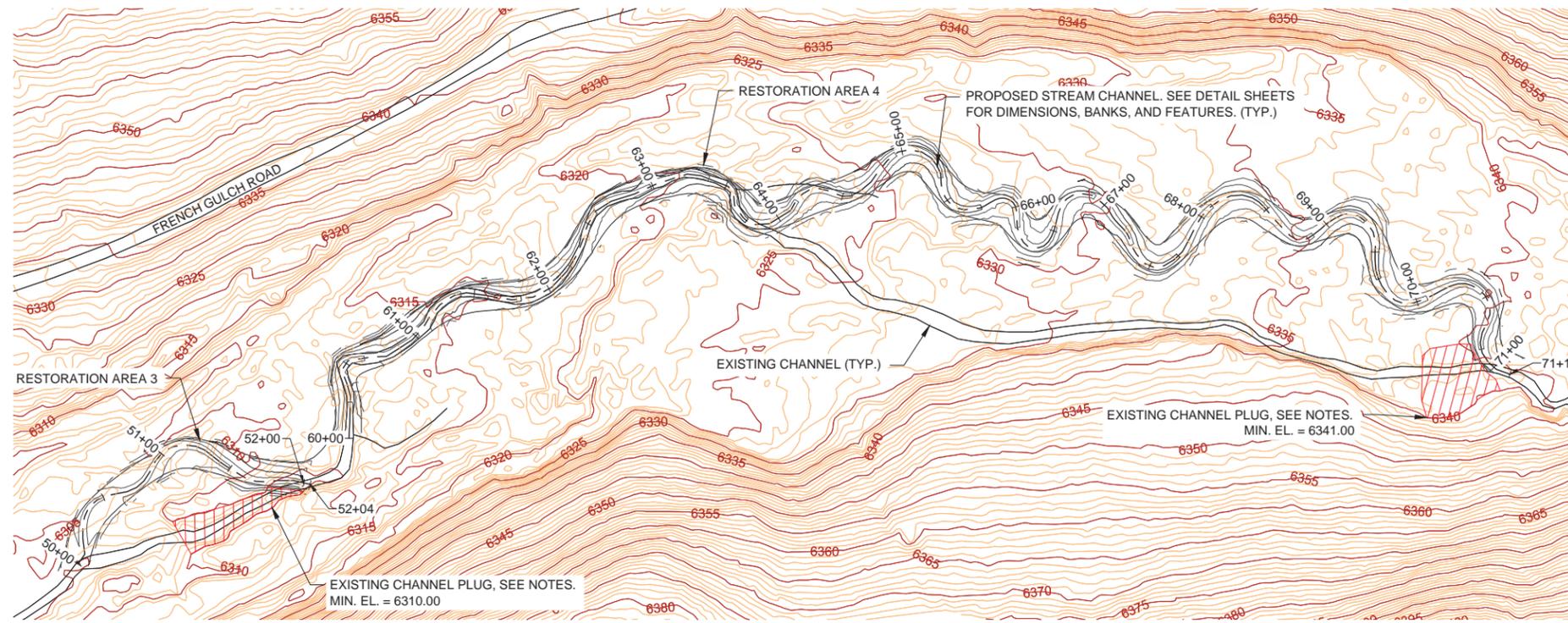
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Surveyors  
Scientists  
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Missoula, MT 59808  
Phone: (406) 542-8880  
Fax: (406) 542-4801

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DSGN. BY: MDB
APPR. BY: RJA
DATE: ***
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DATE: ***

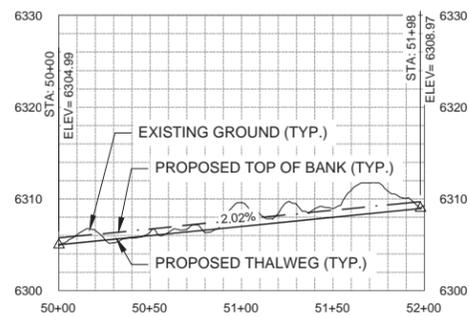
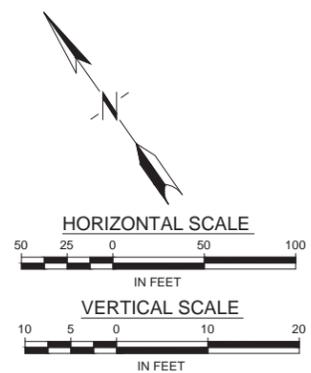
FRENCH CREEK RESTORATION IN FRENCH GULCH	
DEER LODGE COUNTY	MONTANA
RESTORATION AREA 2 STA 28+50 TO 42+76	

PROJECT NUMBER 5002.004
SHEET NUMBER ...
DRAWING NUMBER <b>C-5</b>

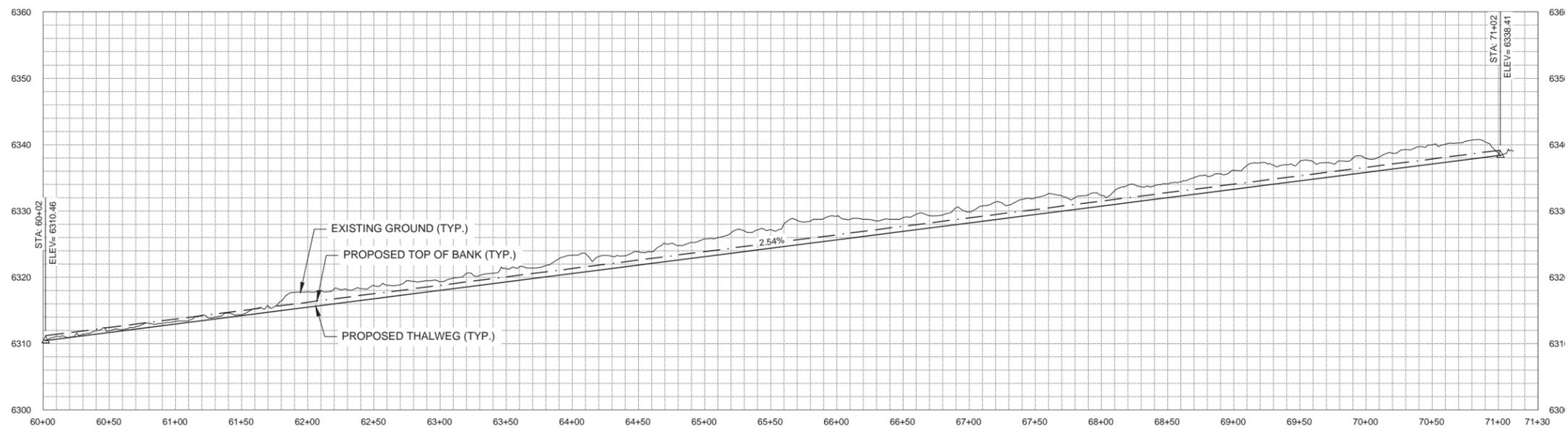


**NOTES:**

1. SURFACE CONTOURS CREATED FROM DIGITAL TERRAIN MODEL BY LIDAR METHODS FROM ROBERT PECCIA & ASSOCIATES, INC.
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**RESTORATION AREA 3**



**RESTORATION AREA 4**

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		DATE	BY

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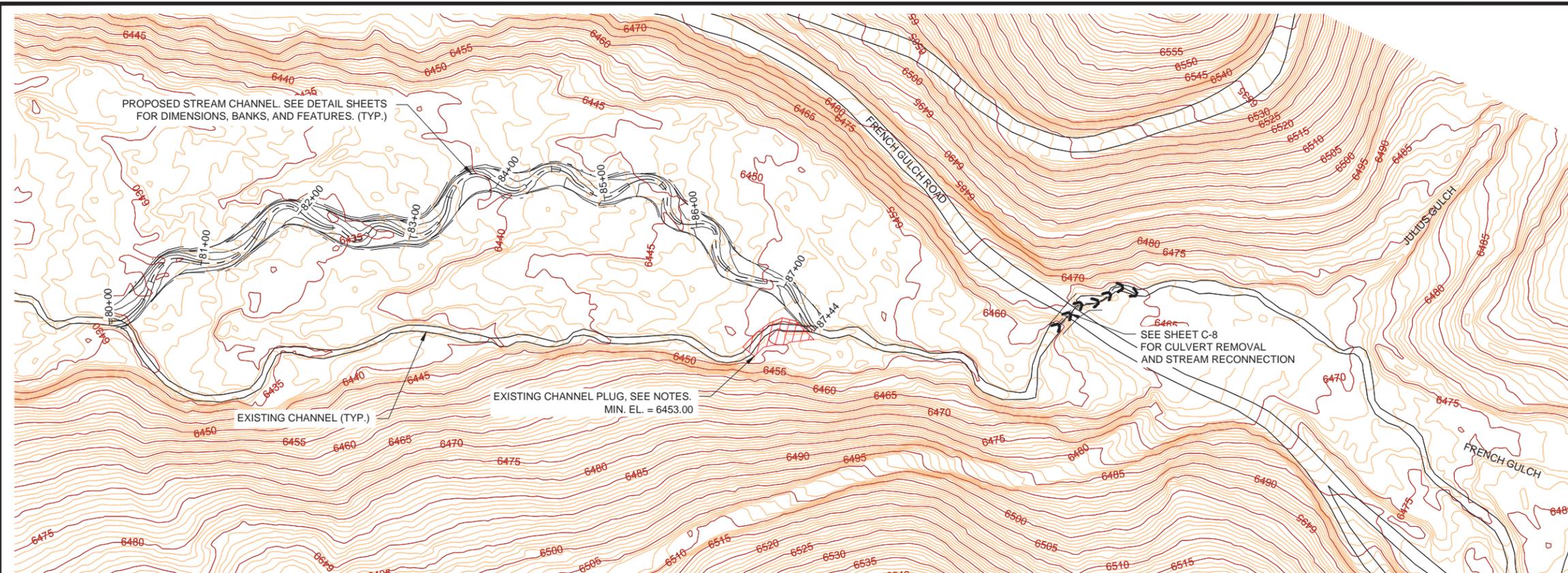
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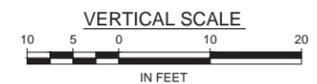
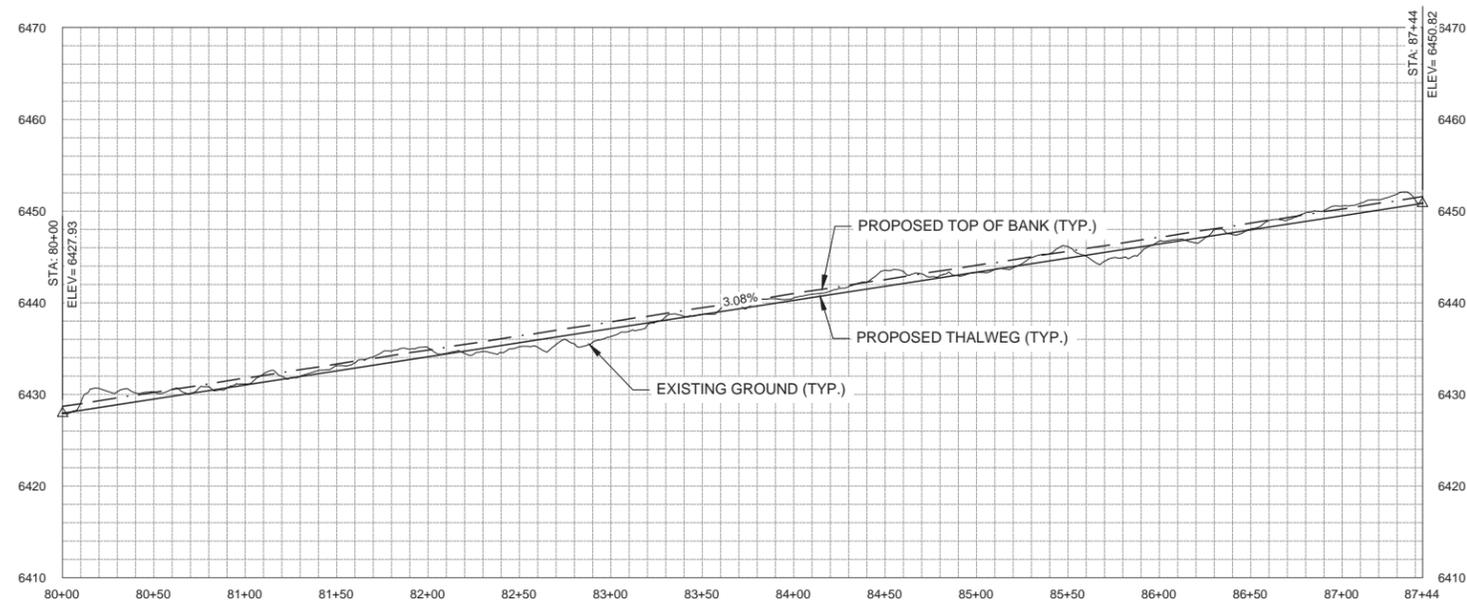
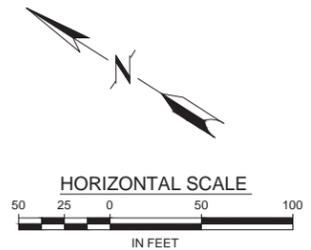
FRENCH CREEK RESTORATION IN FRENCH GULCH  
DEER LODGE COUNTY MONTANA  
RESTORATION AREA 3 & RESTORATION AREA 4

PROJECT NUMBER 5002.004  
SHEET NUMBER ...  
DRAWING NUMBER C-6



**NOTES:**

1. SURFACE CONTOURS CREATED FROM DIGITAL TERRAIN MODEL BY LIDAR METHODS FROM ROBERT PECCIA & ASSOCIATES, INC.
2. HORIZONTAL DATUM = NAD83 MONTANA STATE PLANE, VERTICAL DATUM = NAVD88
3. CONTOUR INTERVAL = 1 FT.
4. EXISTING CHANNEL SHALL BE PLUGGED WITH COMPACTABLE MATERIAL. BACKFILL TO MINIMUM ELEVATION NOTED WITHIN HATCHED AREAS. SUITABLE PLUG MATERIAL SHALL BE APPROVED BY THE ENGINEER.
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REVISIONS				
NO.	DESCRIPTION	DATE	BY	

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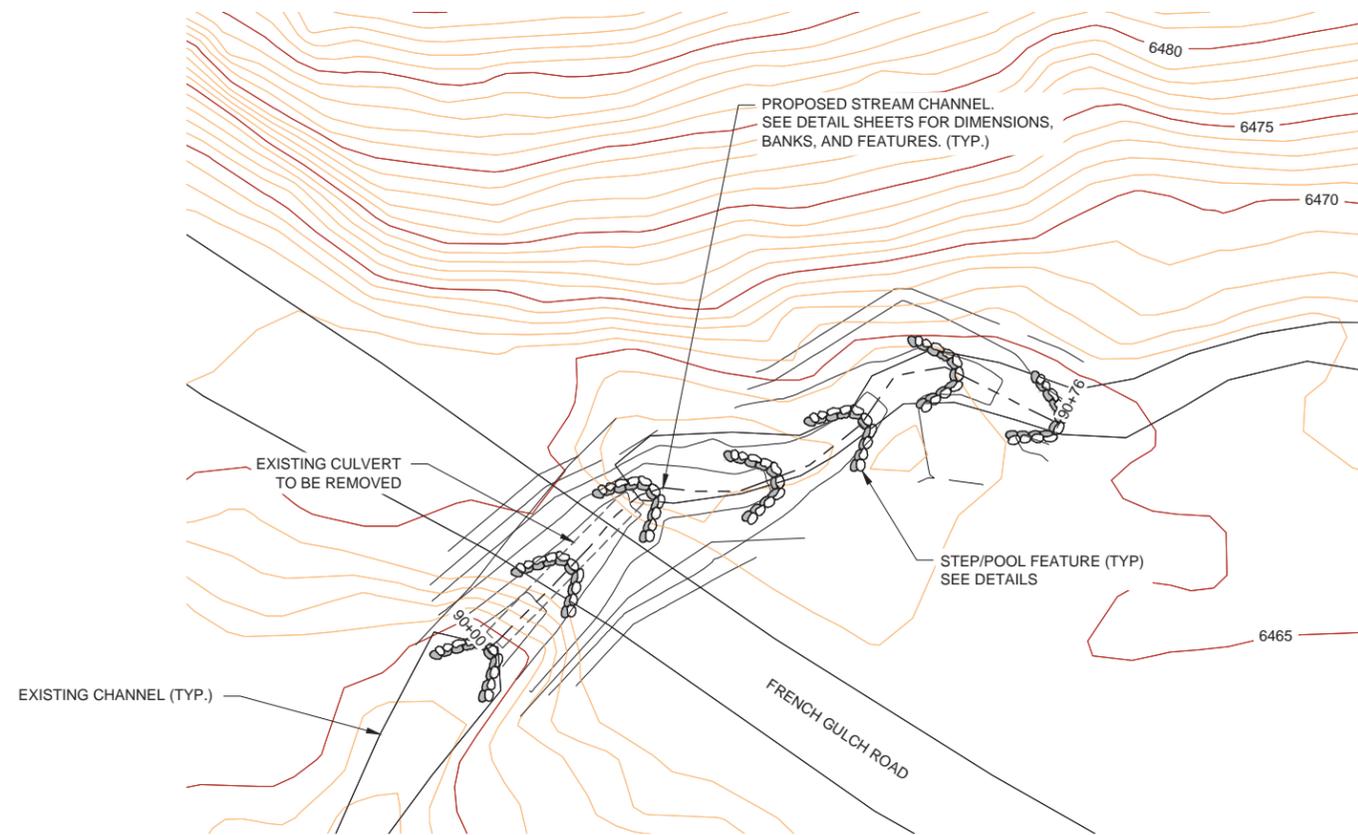
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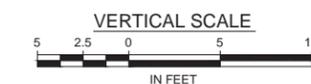
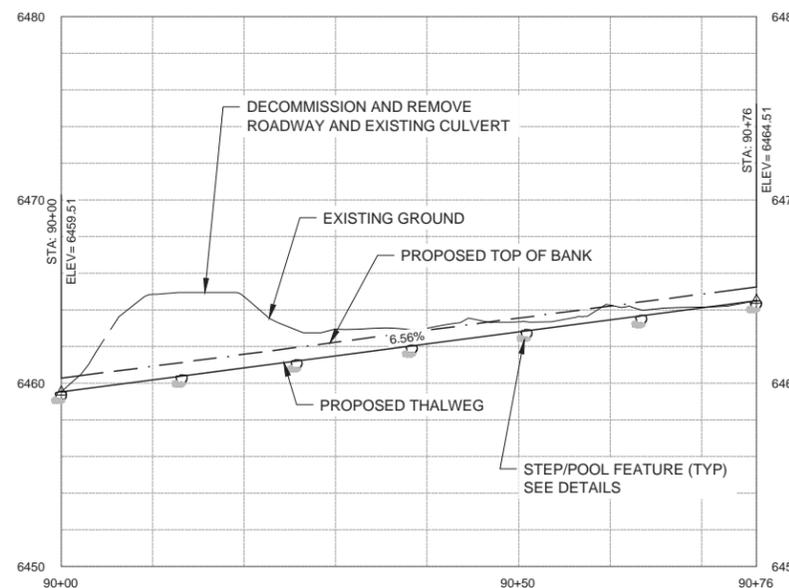
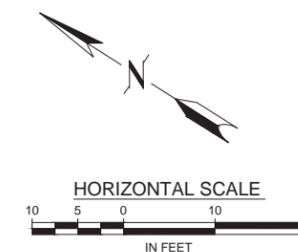
FRENCH CREEK RESTORATION IN FRENCH GULCH  
DEER LODGE COUNTY MONTANA  
RESTORATION AREA 5

PROJECT NUMBER 5002.004  
SHEET NUMBER ...  
DRAWING NUMBER C-7



**NOTES:**

1. SURFACE CONTOURS CREATED FROM DIGITAL TERRAIN MODEL BY LIDAR METHODS FROM ROBERT PECCIA & ASSOCIATES, INC.
2. HORIZONTAL DATUM = NAD83 MONTANA STATE PLANE, VERTICAL DATUM = NAVD88
3. CONTOUR INTERVAL = 1 FT.
4. EXISTING CHANNEL SHALL BE PLUGGED WITH COMPACTABLE MATERIAL. BACKFILL TO MINIMUM ELEVATION NOTED WITHIN HATCHED AREAS. SUITABLE PLUG MATERIAL SHALL BE APPROVED BY THE ENGINEER.
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6. APPROVED EXCESS MATERIAL MAY BE STOCKPILED AT LOCATION SHOWN.



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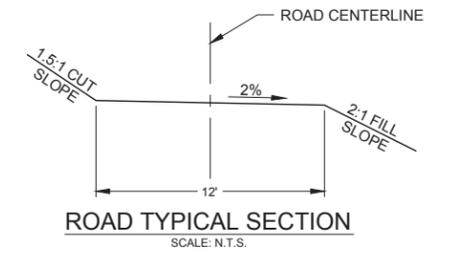
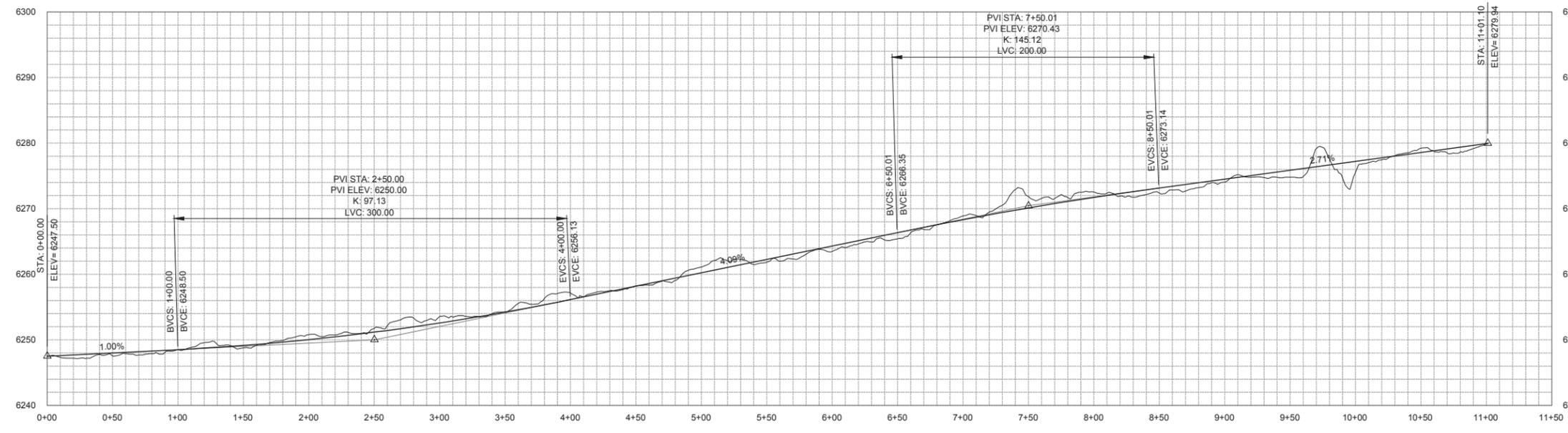
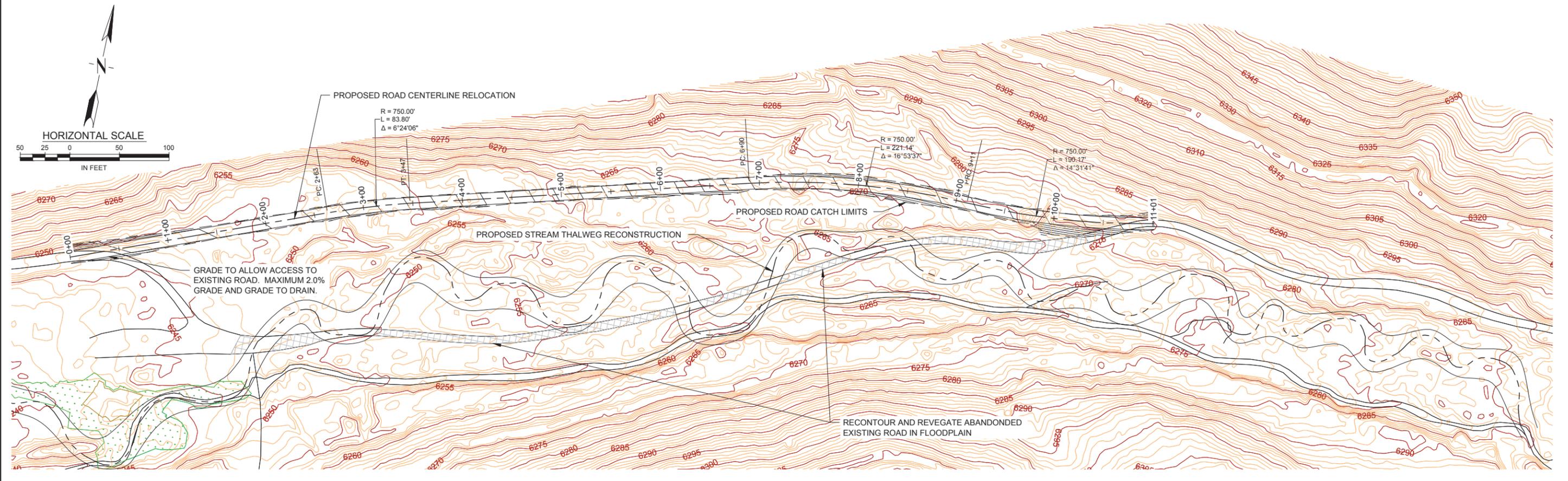
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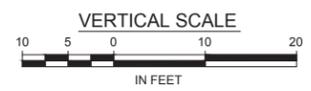
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APPR. BY: RJA  
DATE: \*\*\*  
Q.C. REVIEW BY: \*\*\*  
DATE: \*\*\*

FRENCH CREEK RESTORATION IN FRENCH GULCH  
DEER LODGE COUNTY MONTANA  
CULVERT REMOVAL AND STREAM RECONNECTION

PROJECT NUMBER 5002.004  
SHEET NUMBER ...  
DRAWING NUMBER C-8



- NOTES:**
1. SURFACE CONTOURS CREATED FROM DIGITAL TERRAIN MODEL BY LIDAR METHODS FROM ROBERT PECCIA & ASSOCIATES, INC.
  2. HORIZONTAL DATUM = NAD83 MONTANA STATE PLANE, VERTICAL DATUM = NAVD88
  3. CONTOUR INTERVAL = 1 FT



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An Employee-Owned Company

Engineers  
Surveyors  
Scientists  
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Missoula, MT 59808

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Fax: (406) 542-4801

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APPR. BY: RJA  
DATE: \*\*\*

Q.C. REVIEW BY: \*\*\*  
DATE: \*\*\*

FRENCH CREEK RESTORATION IN FRENCH GULCH  
DEER LODGE COUNTY MONTANA

ROAD RECONSTRUCTION AREA

PROJECT NUMBER 5002.004  
SHEET NUMBER ---  
DRAWING NUMBER C-9

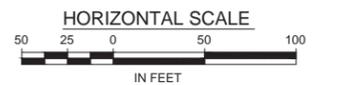
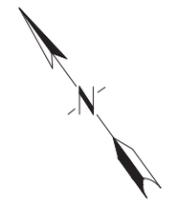


**NOTES:**

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2. HORIZONTAL DATUM = NAD83 MONTANA STATE PLANE, VERTICAL DATUM = NAVD88
3. CONTOUR INTERVAL = 1 FT.
4. HABITAT IMPROVEMENT LOCATIONS SHOWN ARE APPROXIMATE. FINAL LOCATIONS SHALL BE APPROVED BY ENGINEER.
5. LARGE WOOD HABITAT IMPROVEMENTS SHALL BE EITHER EMBEDDED RIFFLE LOG OR BANK ROOT WAD AS DETERMINED BY ENGINEER.
6. ACCESS ROUTES AND EQUIPMENT FOR HABITAT IMPROVEMENTS SHALL BE SELECTED TO MINIMIZE DISTURBANCE TO EXISTING VEGETATION & SOILS.
7. USE ONSITE SALVAGE VEGETATION AND MATERIALS WHERE AVAILABLE AND APPROVED BY ENGINEER.
8. FOR POOL HABITAT IMPROVEMENTS, CONTRACTOR SHALL PRESERVE STREAM BANK STABILITY AND VEGETATION IF POSSIBLE. LIMIT ALTERATIONS TO POOL SECTION STREAMBED DIMENSIONS AS DIRECTED BY ENGINEER.

**LEGEND**

- WOOD HABITAT
- POOL HABITAT



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FRENCH CREEK RESTORATION IN FRENCH GULCH  
DEER LODGE COUNTY MONTANA  
HABITAT IMPROVEMENT AREA 1

PROJECT NUMBER 5002.004
SHEET NUMBER ...
DRAWING NUMBER <b>C-10</b>