

LC-18-25 Mosness Hauser Lake/ Missouri River

Control Note:

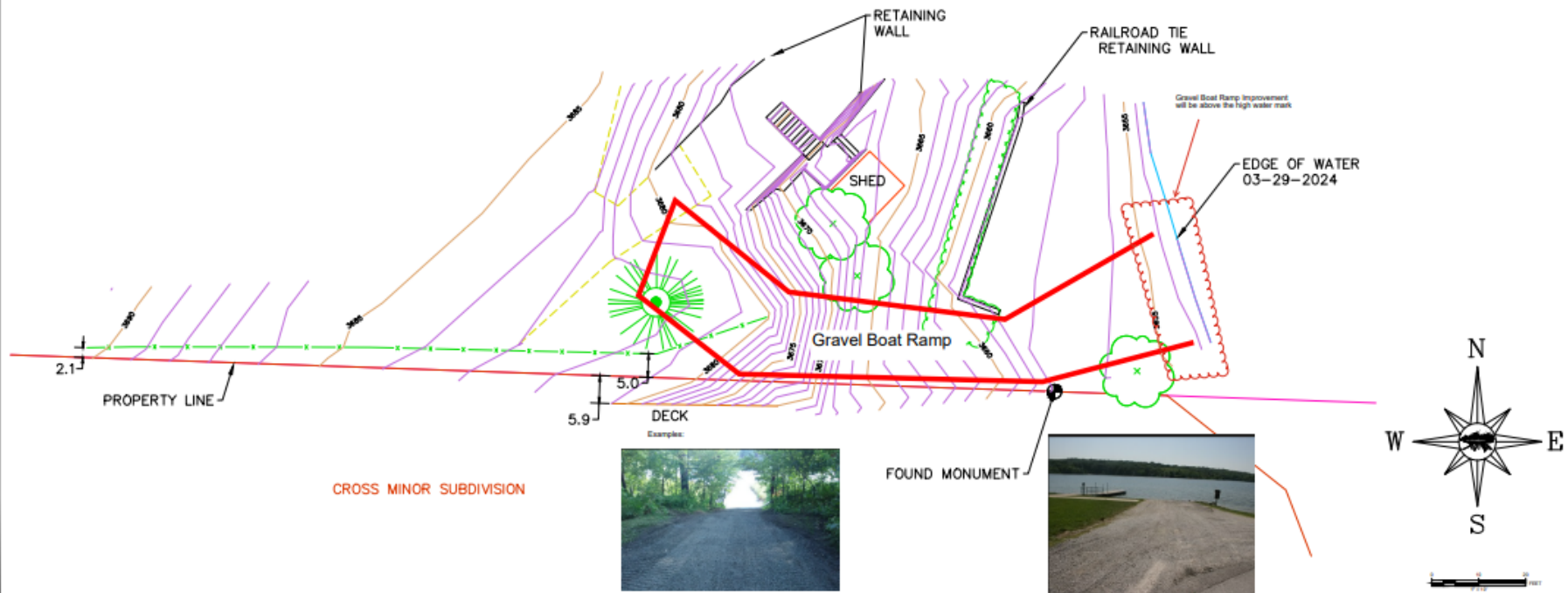
This project is on the Montana State Plane coordinate system NAD83(2011). Northing and Easting coordinates are expressed in units of international feet and elevations are in units of U.S. survey feet.

Basis of Bearing: Grid – Montana coordinate system NAD83–2011

Level Datum: NAVD88 (GNSS derived elevations using GEOID18 and holding OPUS derived ellipsoid height of primary control)

North Arrow: This project is on the Montana State Plane coordinate system NAD83(2011). Northing and Easting coordinates are expressed in units of international feet and elevations are in units of U.S. survey feet. Grid – Montana coordinate system NAD83–2011. Level Datum – NAVD88 (GNSS derived elevations using GEOID18 and holding OPUS derived ellipsoid height of primary control).

TRACT E – C.O.S #294489



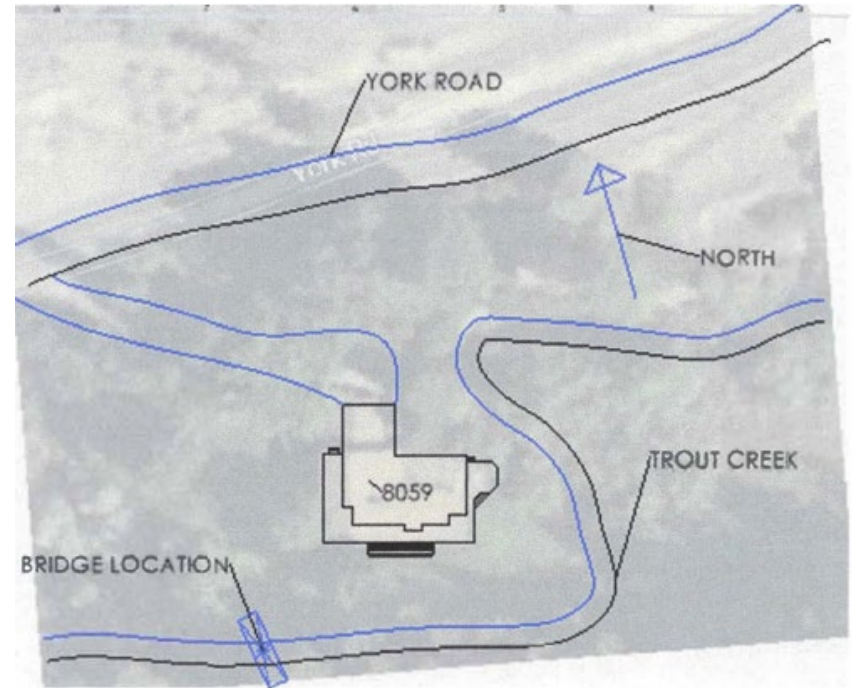
1325 Marshall Lane
Helena, MT 59601
406-475-5786
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5720 RAINBOW DRIVE
EXISTING SITE CONDITIONS
SECTION 17 TOWNSHIP 11N RANGE 2W

DATE: 06-19-2024
SCALE: 1"=10'
JOB: 10230 Rainbow Drive / Silverlip
REVISIONS: N/A
SHEET 1 OF 1

LC-19-25 Zelenka Trout Creek





SITE PLAN (1" = 40')

NEW CONCRETE PANELS ■
 RELOCATED CONCRETE MAT ■
 EXISTING DOCKS —
 NORMAL HIGH WATER LINE —

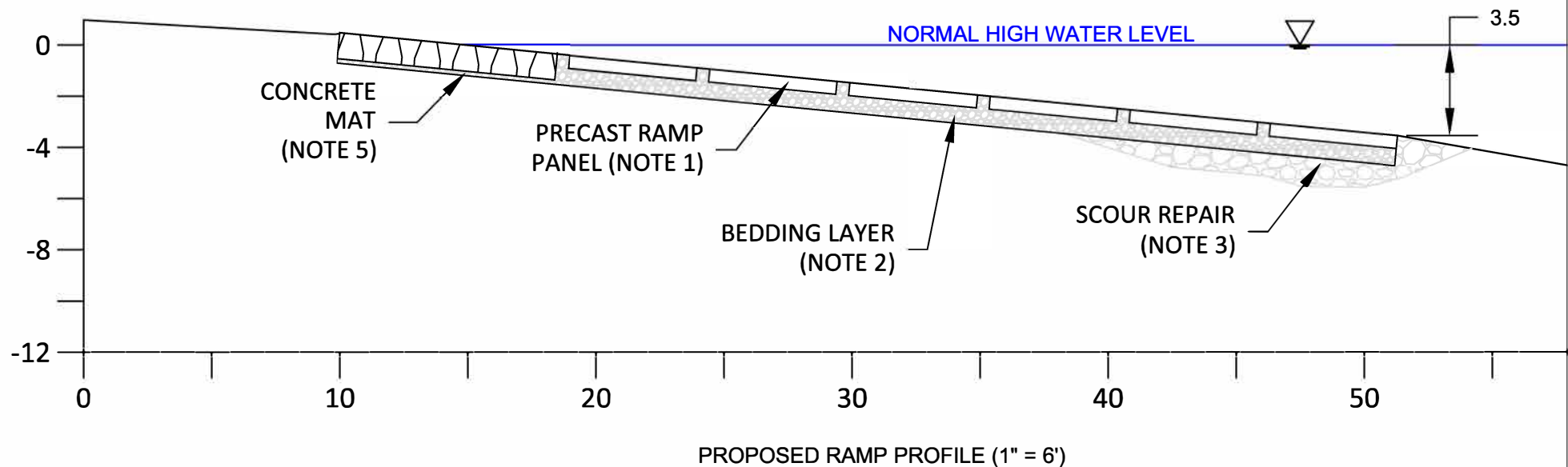
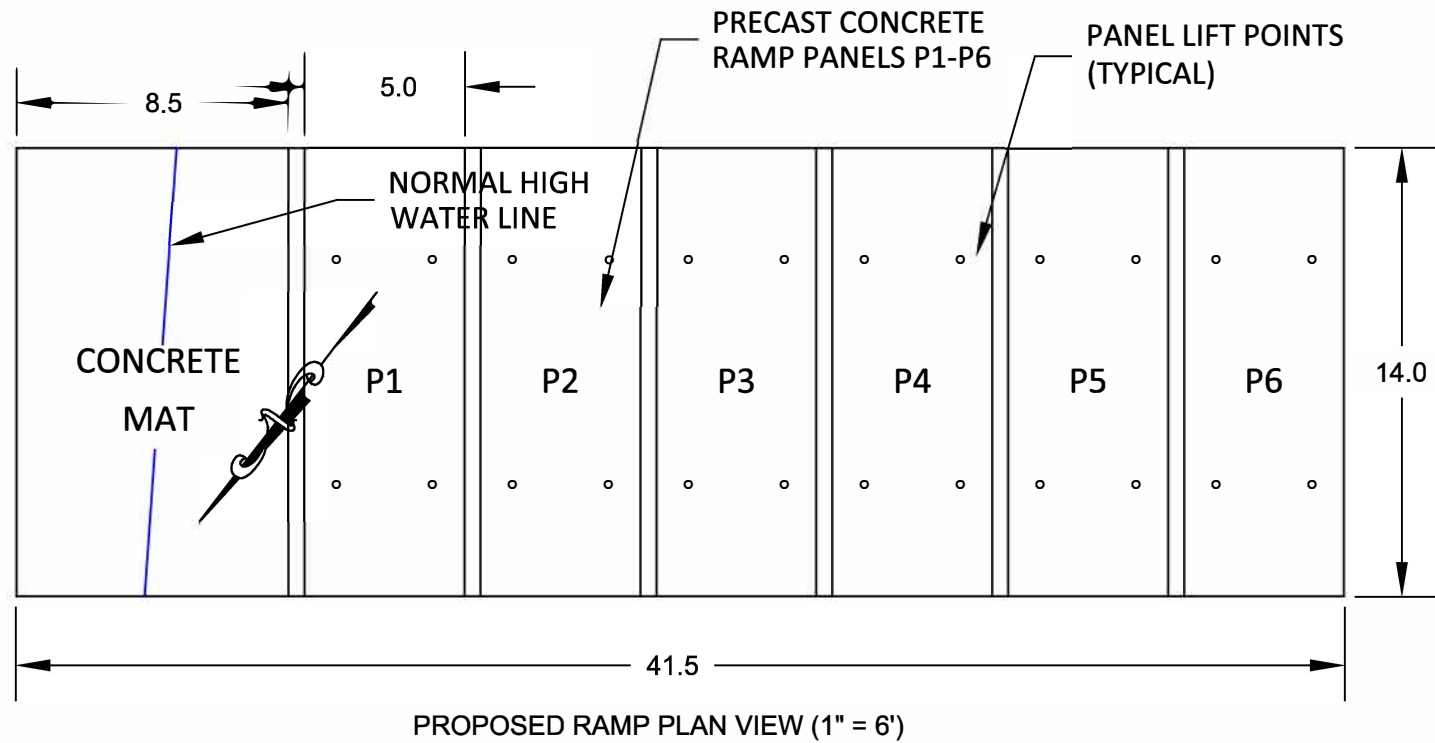
NOTES:

1. STAGING AREA FOR GRAVEL AND CONCRETE PANEL STORAGE.
2. EXISTING CONCRETE MAT TO BE PLACED AT SHORELINE OF RAMP.
3. SIX PRECAST RAMP PANELS TO BE PLACED ADJACENT TO CONCRETE MAT AS ILLUSTRATED ON FIGURE 5.

FIGURE 4 PROPOSED BOAT LAUNCH REPAIR

NOTES:

1. PRECAST RAMP PANELS 5.5" THICK x 5' x 14'.
2. NOMINAL 8" THICK GRANULAR BEDDING LAYER.
3. BACKFILL EXISTING SCOUR HOLE WITH MINUS SIX INCH RIPRAP.
4. FINAL RAMP GRADE TO BE CONTROLLED TO MATCH EXISTING RAMP PROFILE. GRADE CONTROL WILL REQUIRE MINIMAL EXCAVATION TO ACCOMMODATED BEDDING AND PANEL THICKNESS (APPROX 14").
5. RELOCATE EXISTING CONCRETE MAT ADJACENT TO SHORELINE.

**FIGURE 5 BOAT LAUNCH DETAILS**



