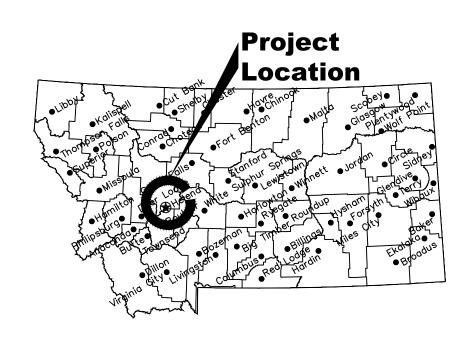
MONTANA FISH, WILDLIFE & PARKS

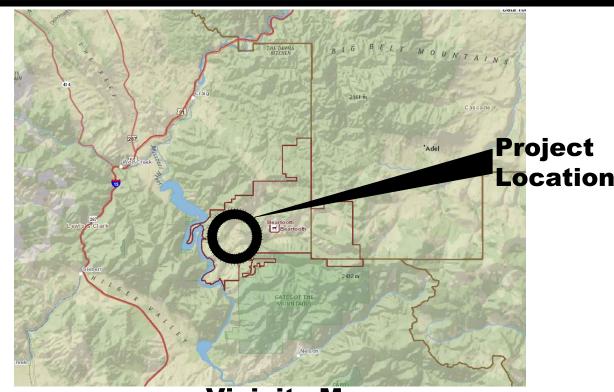
Beartooth Wildlife Management Area Road Maintenance & Gravel Pit Project

near Holter Lake, MT

#7215402







Vicinity Map

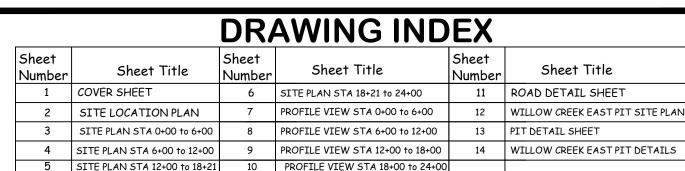
Location Map

MONTANA FISH, WILDLIFE AND PARKS DESIGN AND CONSTRUCTION

MAILING ADDRESS: PHYSICAL ADDRESS: 1522 9th AVENUE HELENA, MT 59620-0701 HELENA, MT 59601

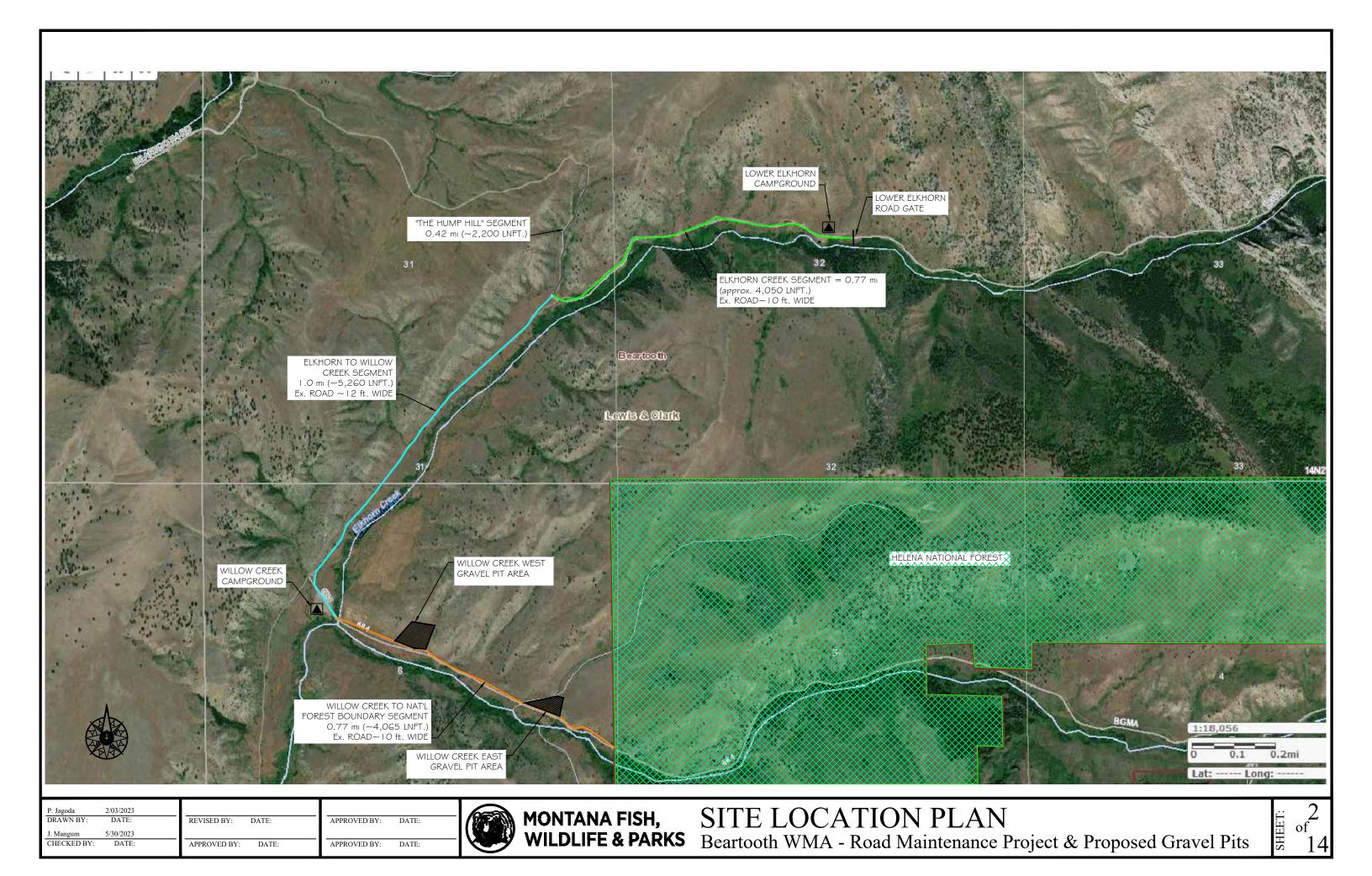
TEL 406.841.4000 FAX 406.841.4004

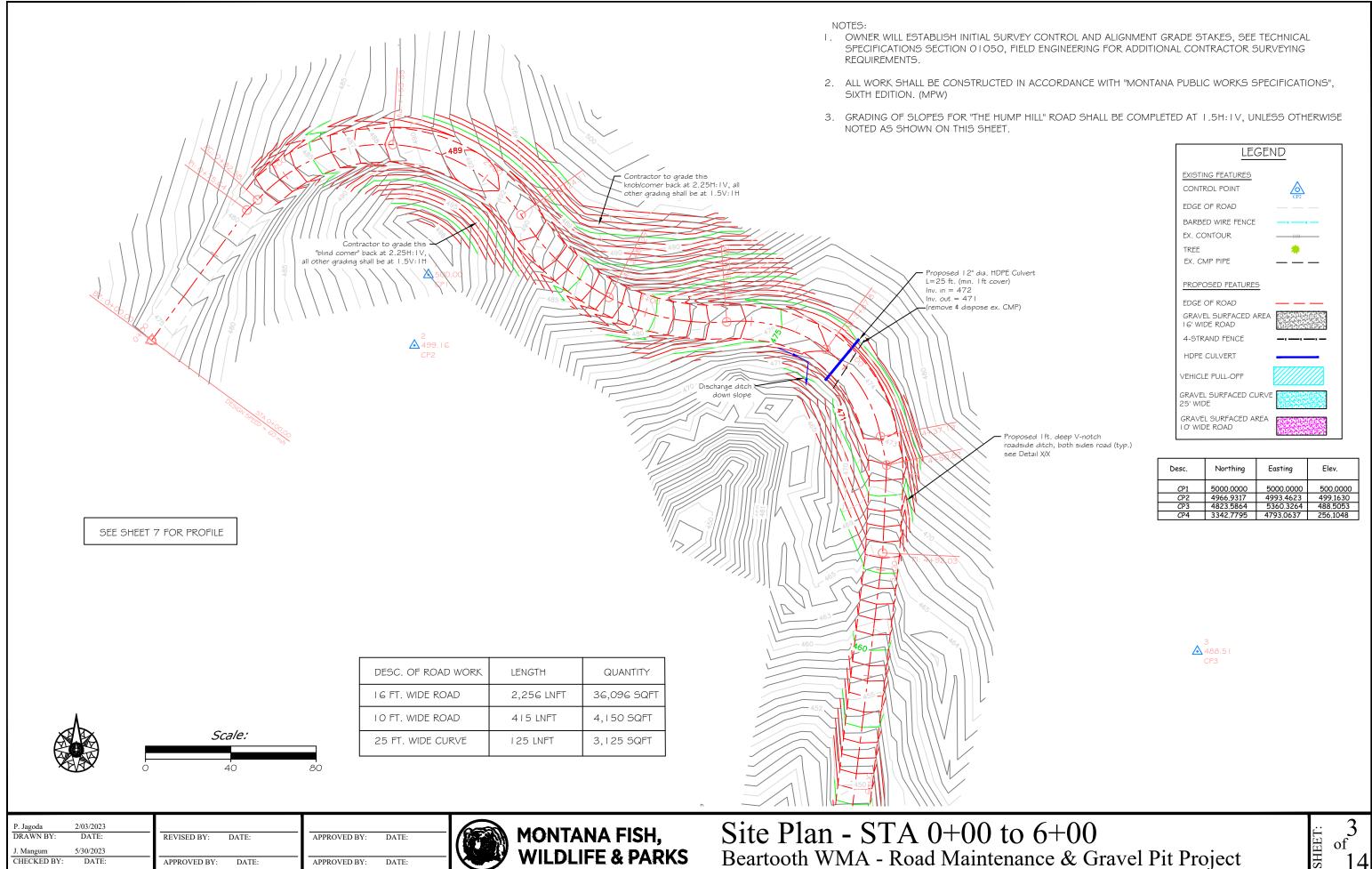
https://fwp.mt.gov/aboutfwp/design-and-construction

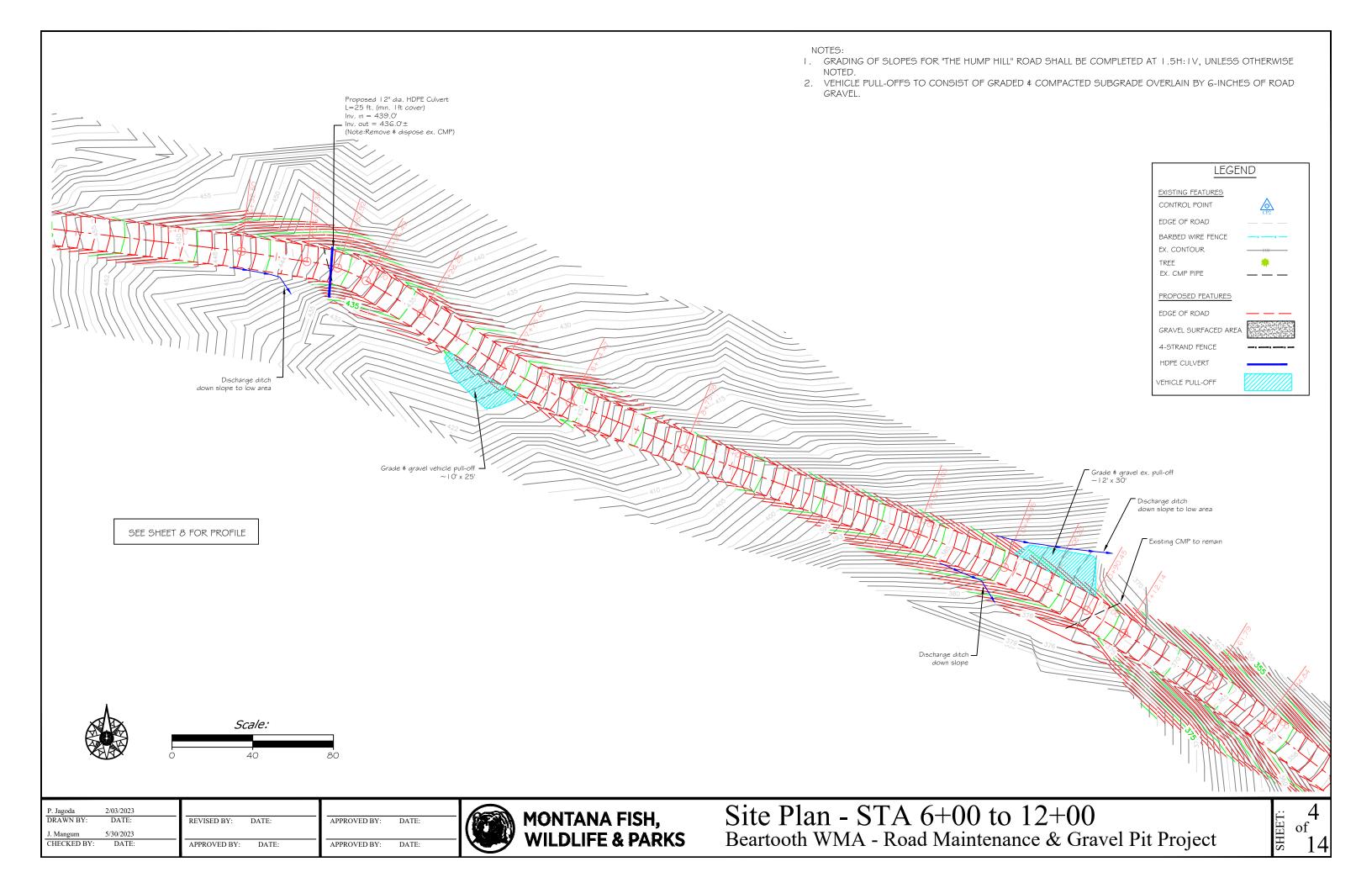


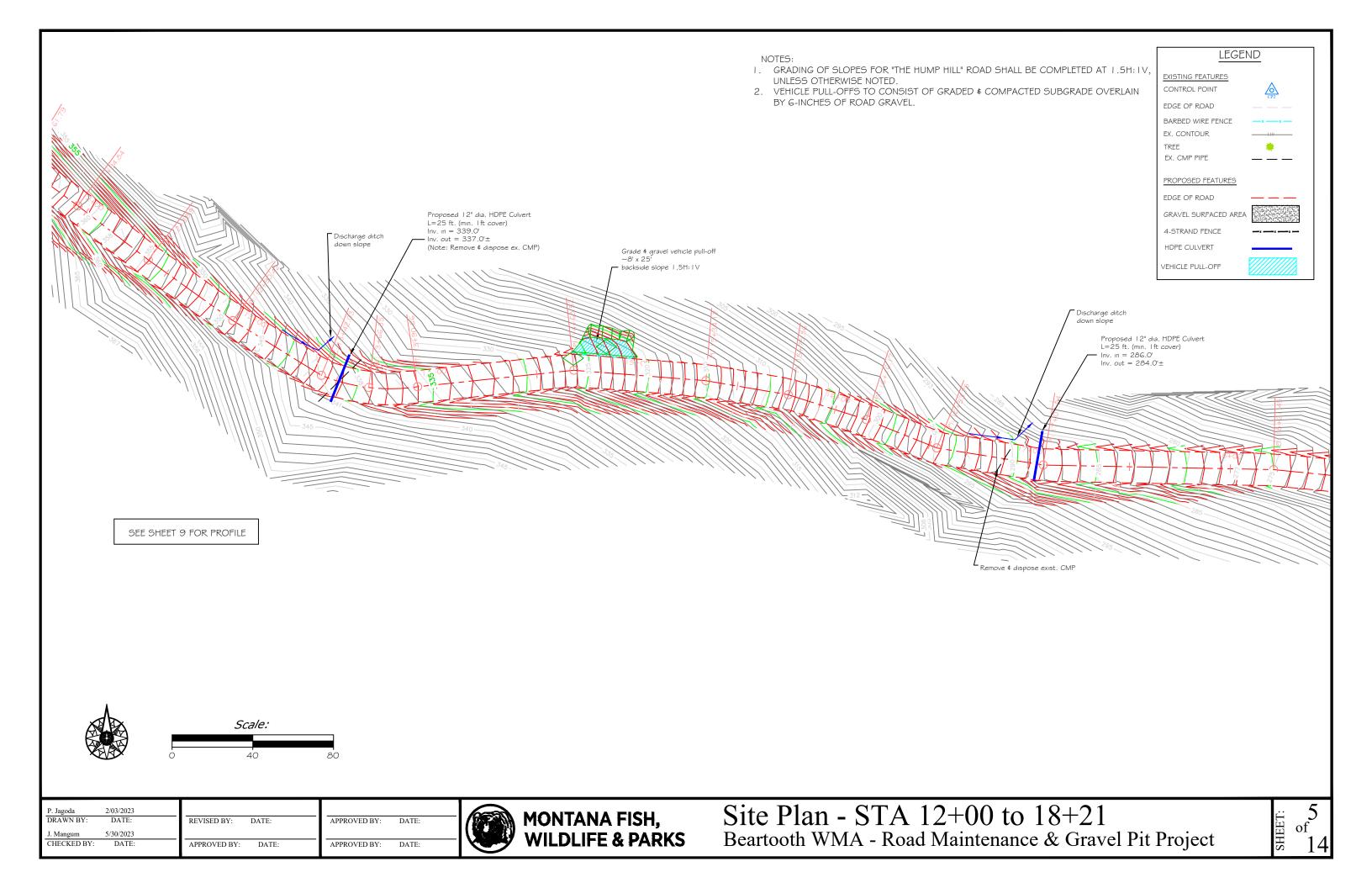
P. Jagoda DRAWN BY:	2/03/2023 DATE:	APPROVED BY:	DATE:
J. Mangum	5/30/2023		
CHECKED BY:	DATE:	APPROVED BY:	DATE:

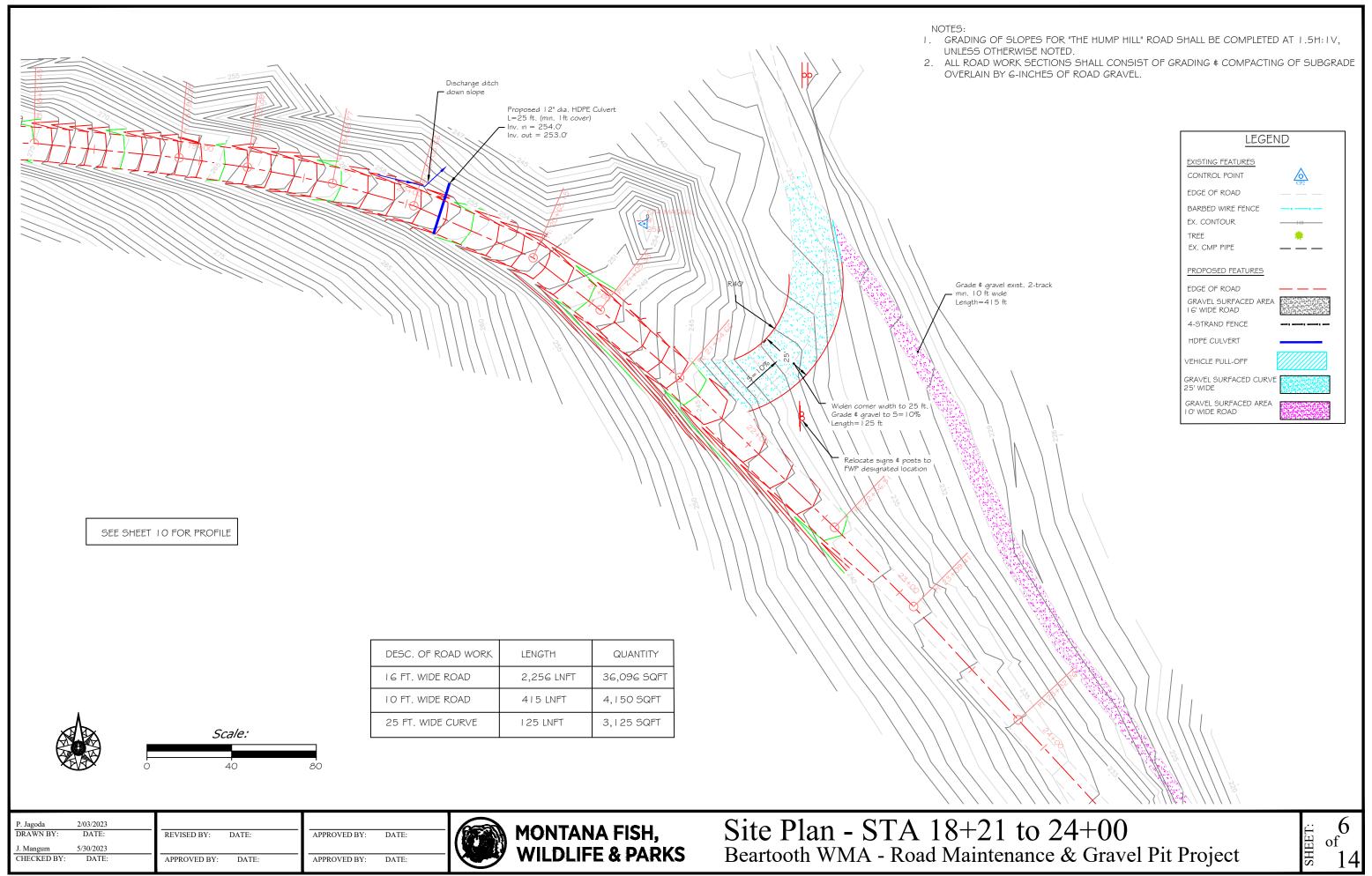


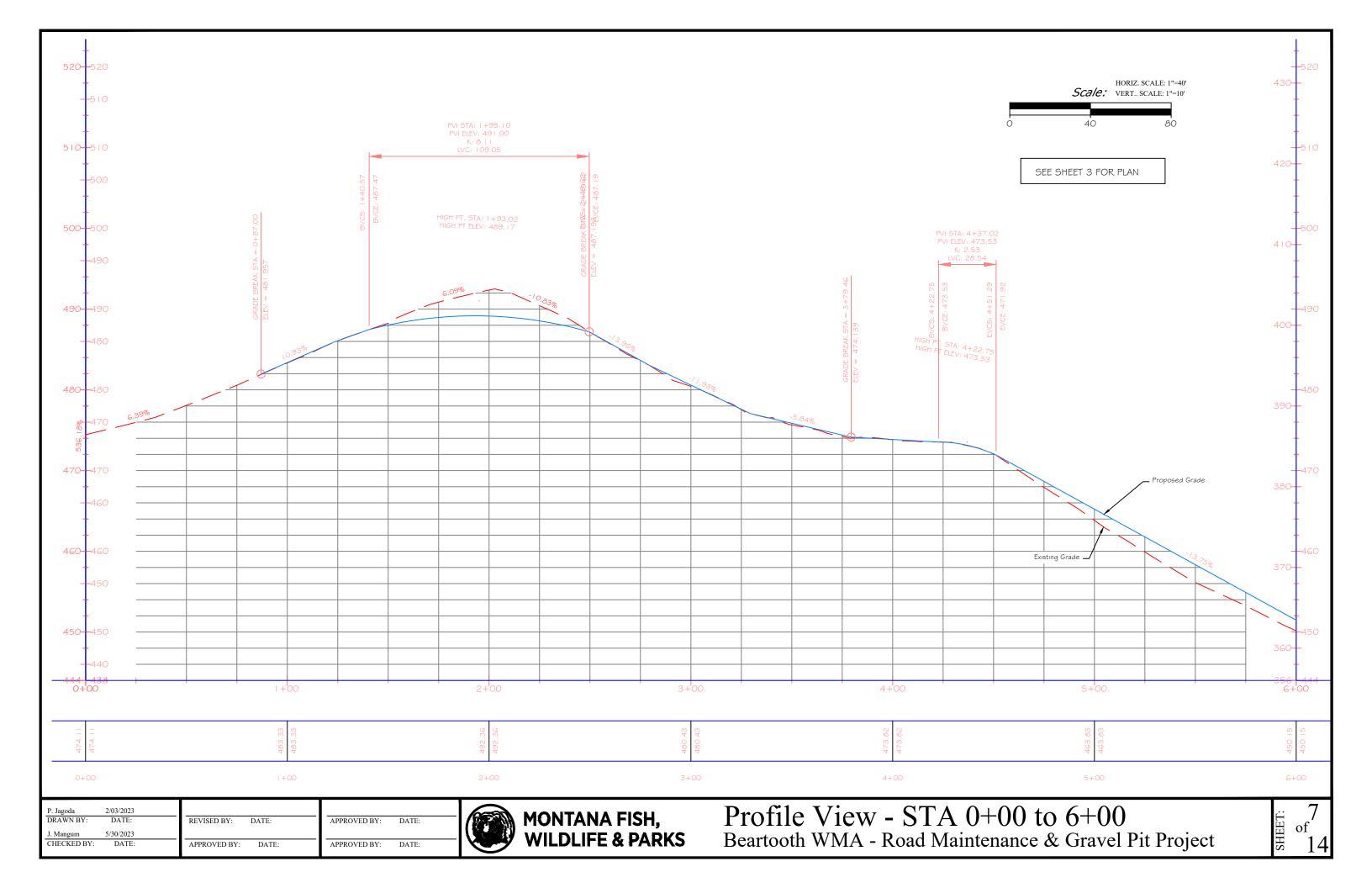


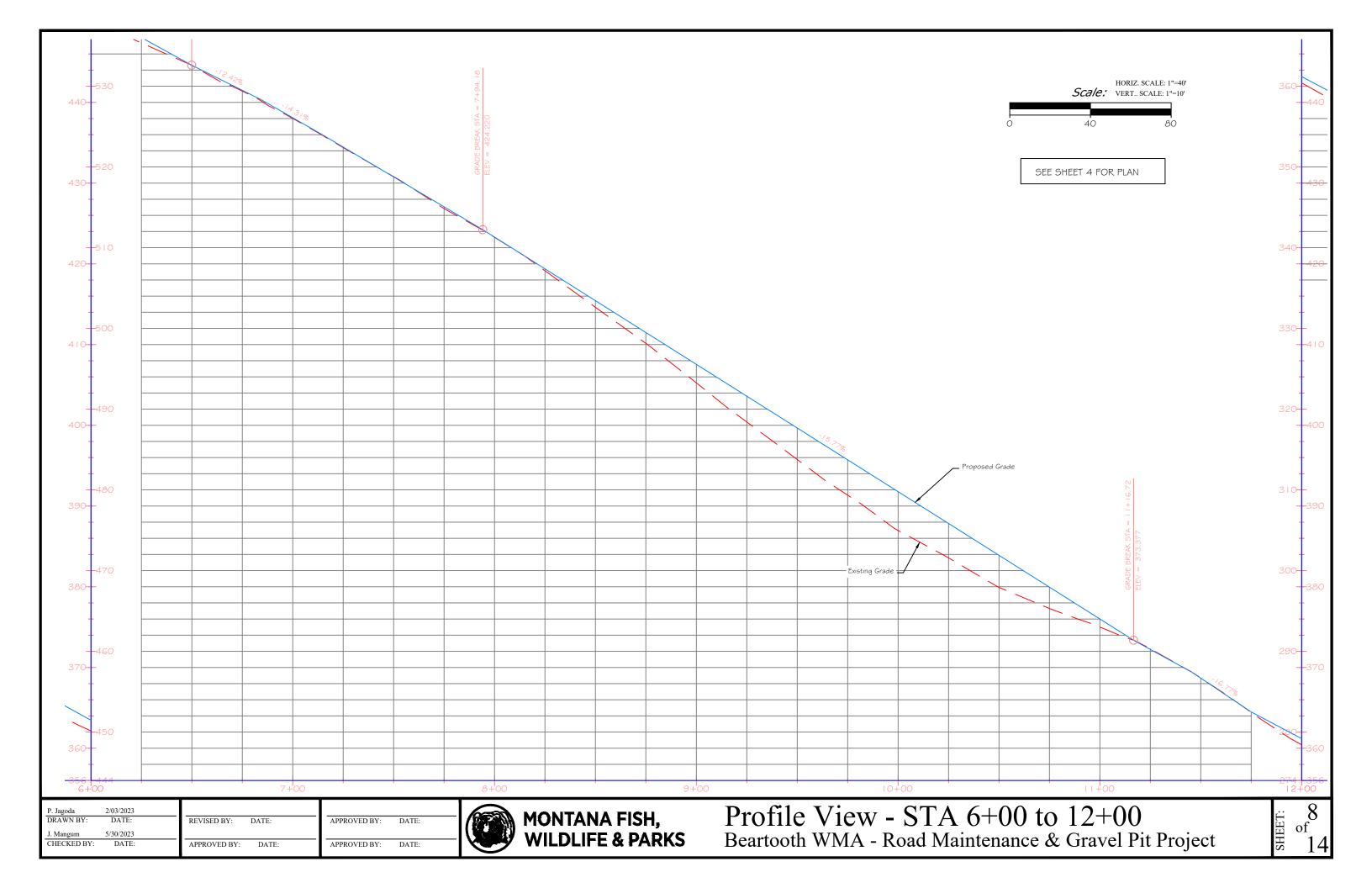


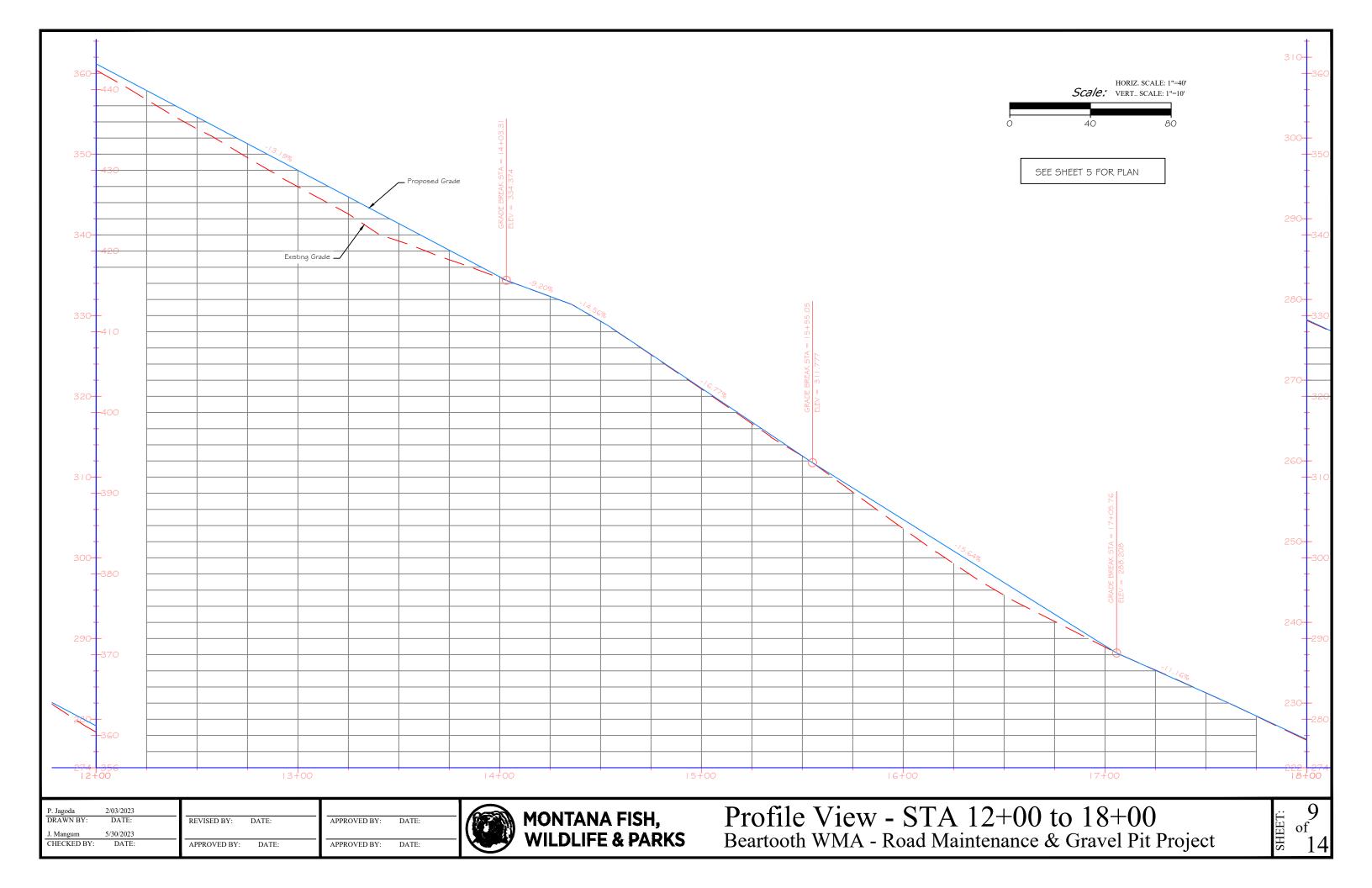


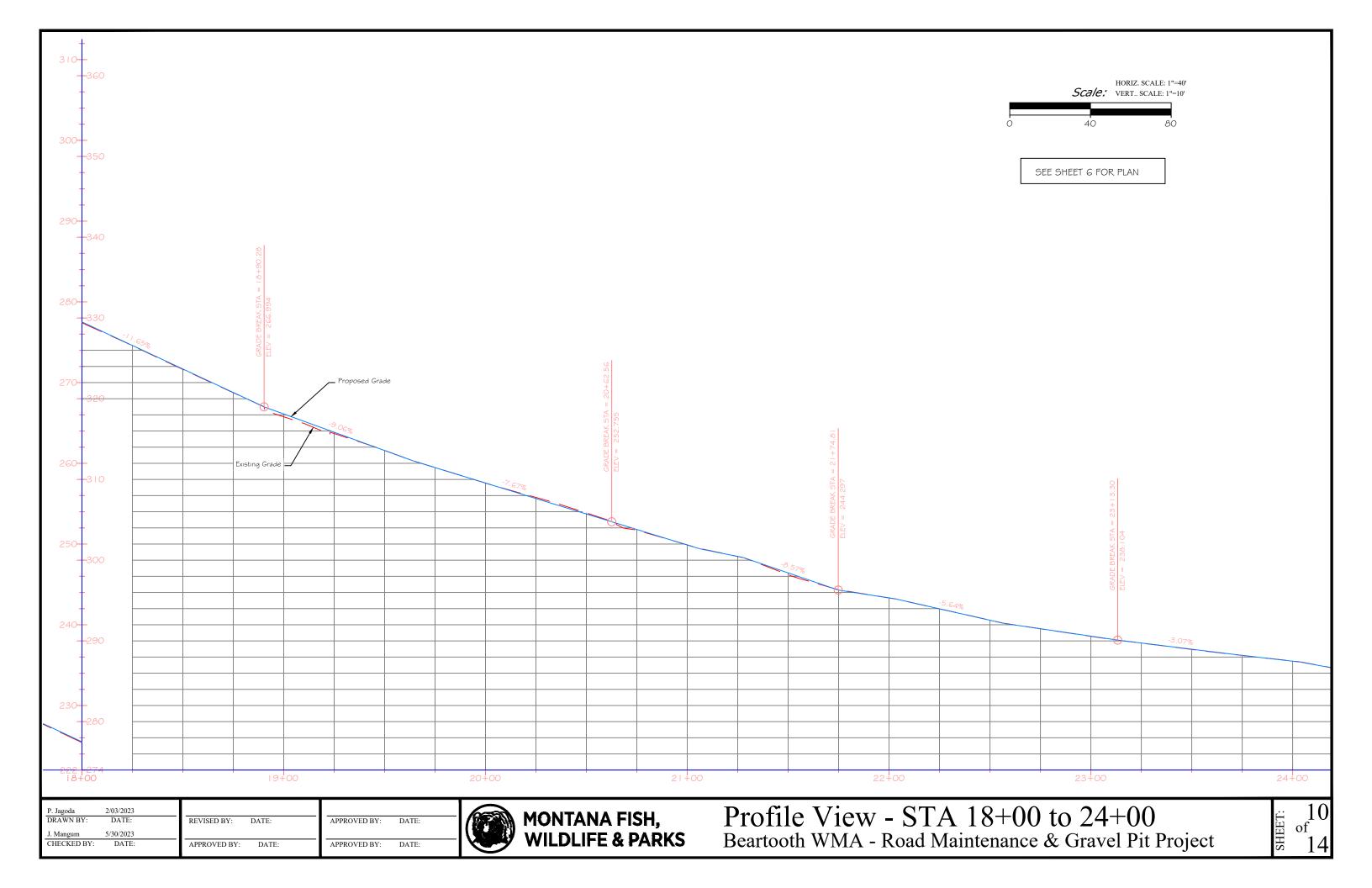


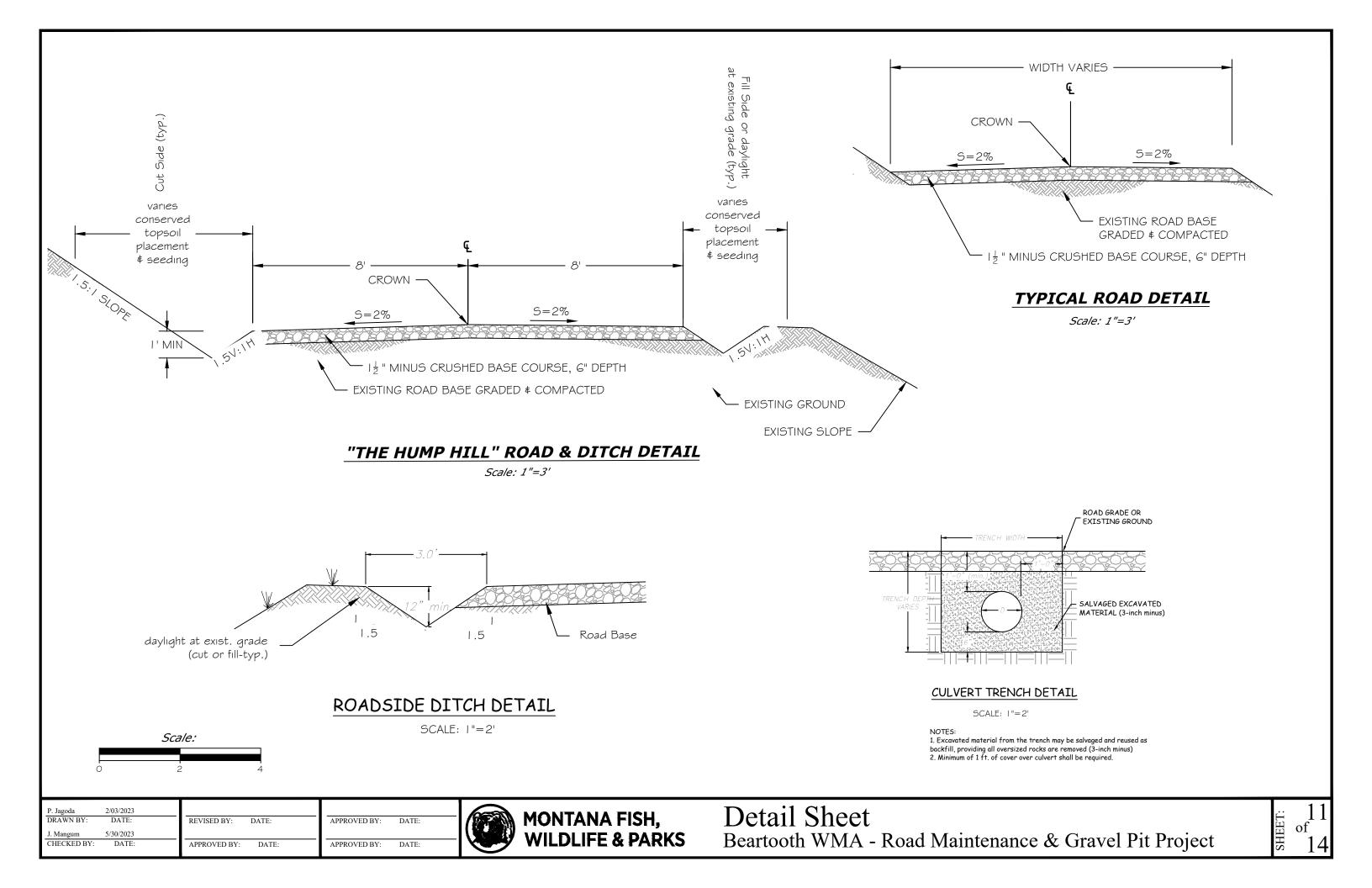


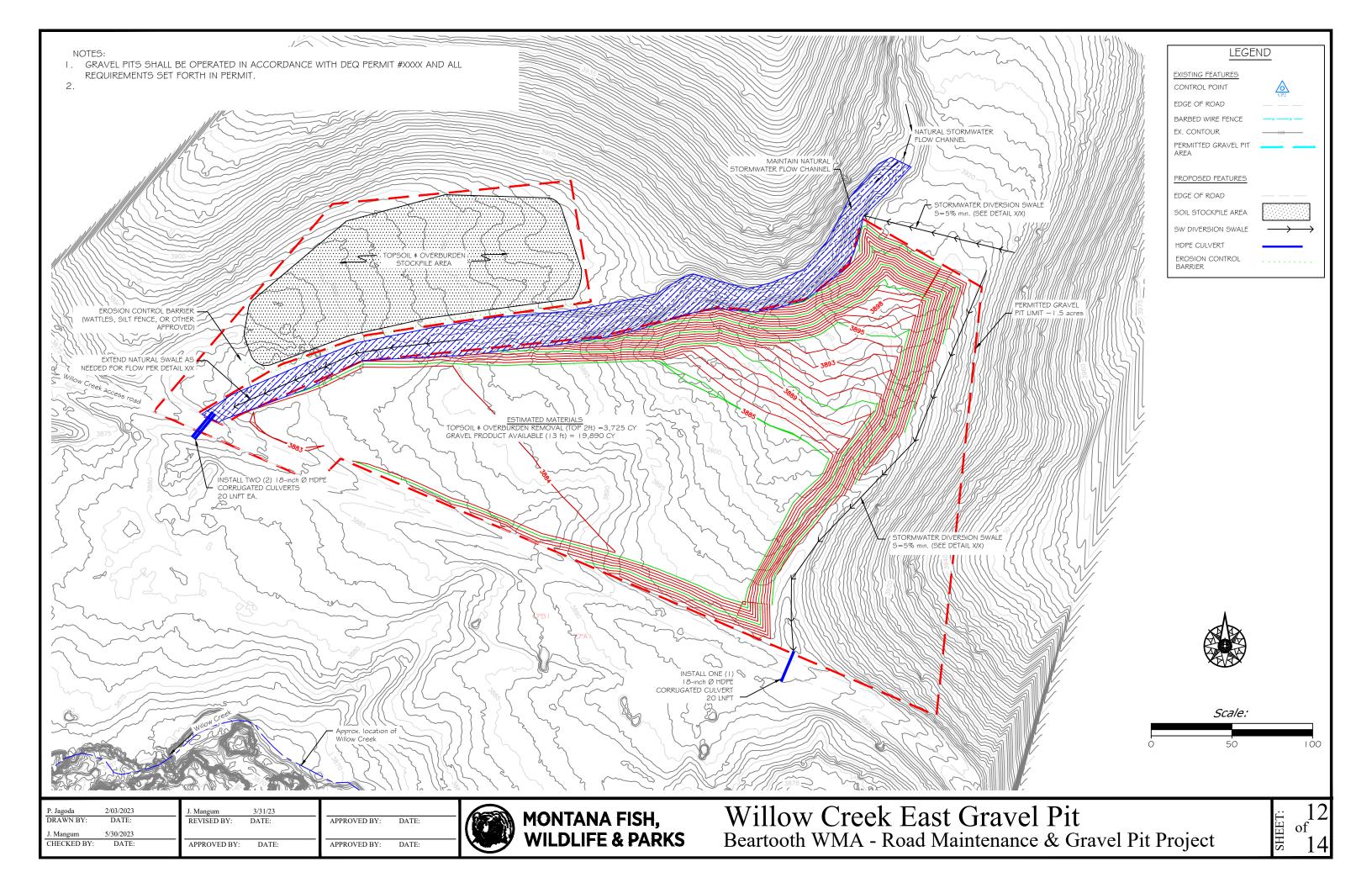


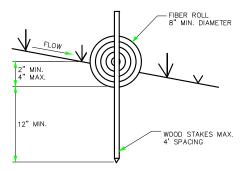








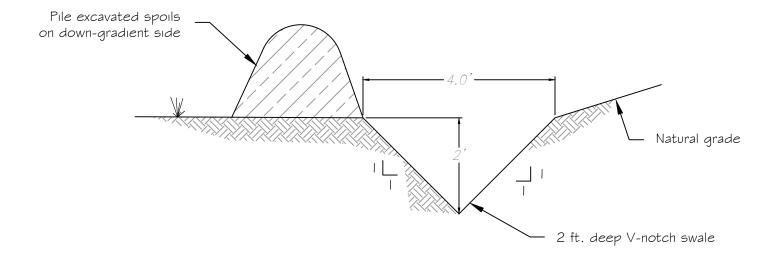




Fiber Roll Detail

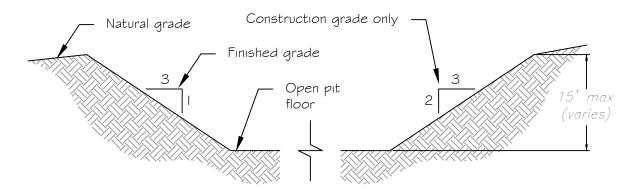
A FIBER ROLL CONSISTS OF WEED-FREE STRAW, FLAX, COCONUT, OR OTHER SIMILAR FIBER MATERIALS BOUND INTO TIGHT TUBULAR ROLLS ENCASED IN NATURAL FIBER OR UV-DEGRADABLE POLYPROPYLENE NETTING, AND PLACED ON THE FACE OF SLOPES AT REGULAR INTERVALS TO INTERCEPT RUNOFF, REDUCE ITS FLOW VELOCITY, RELEASE THE RUNOFF AS SHEET FLOW, AND PROVIDE SOME REMOVAL OF SEDIMENT FROM THE RUNOFF.

FIBER ROLLS MAY BE USED ALONG THE TOP, FACE, AND AT GRADE BREAKS OF EXPOSED AND ERODIBLE SLOPES TO SHORTEN SLOPE LENGTH AND SPREAD RUNOFF AS SHEET FLOW. ROLLS MAY BE USED AS CHECK DAMS IF APPROVED BY THE ENGINEER. FOR USE AS CHECK DAMS, PLACE FIBER ROLLS AT 50 FT. MAXIMUM SPACING OR AS APPROVED BY THE FNIGNIFER



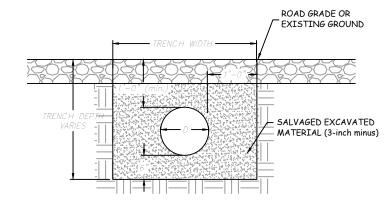
STORMWATER DIVERSION SWALE DETAIL

SCALE: | "=2"



STANDARD OPENCUT MINE DETAIL

SCALE: NTS



CULVERT TRENCH DETAIL

SCALE: I"=2'

NOTES:

1. Excavated material from the trench may be salvaged and reused as backfill, providing all oversized rocks are removed (3-inch minus)

2. Minimum of 1 ft. of cover over culvert shall be required.



P. Jagoda	2/03/2023	
DRAWN BY:	DATE:	
J. Mangum	5/30/2023	
CHECKED DA	DATE:	
CHECKED BY:	DATE:	

REVISED BY:	DATE:		APPROVED BY:	DATI
APPROVED BY:	DATE:	_	APPROVED BY:	DATI



