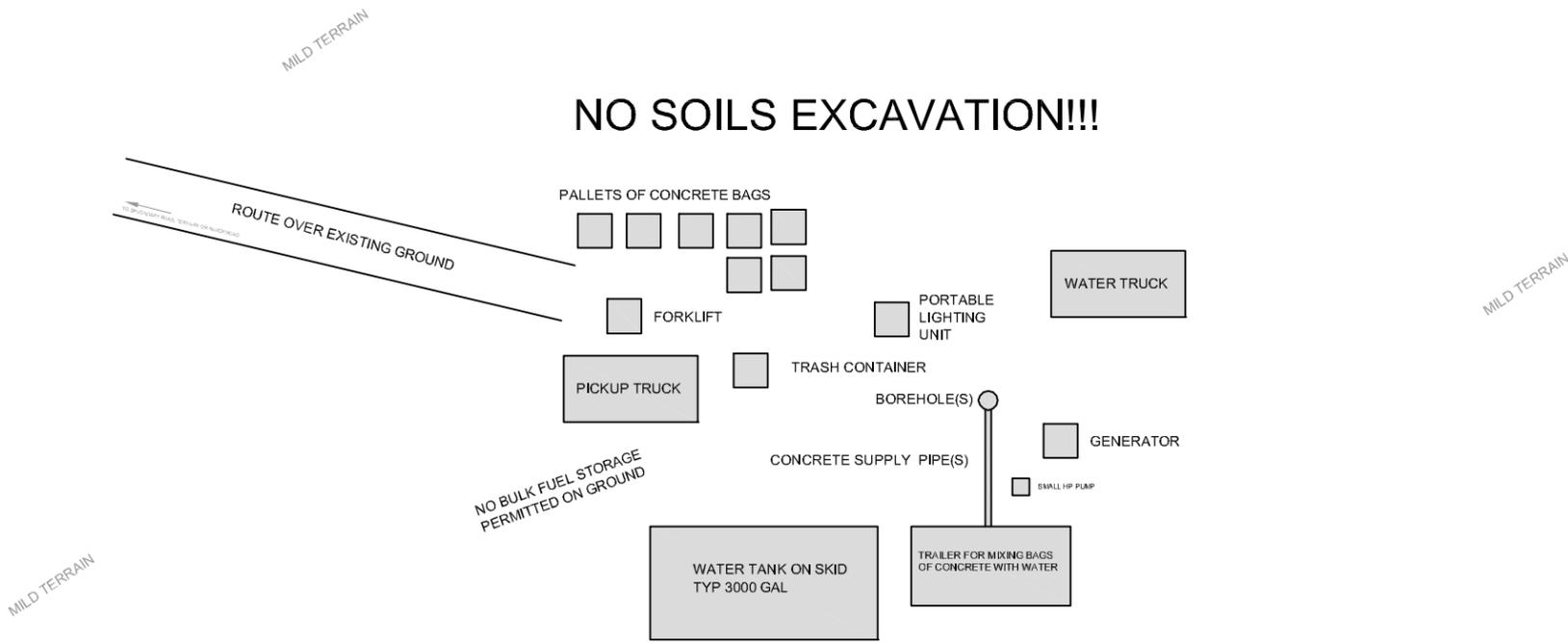


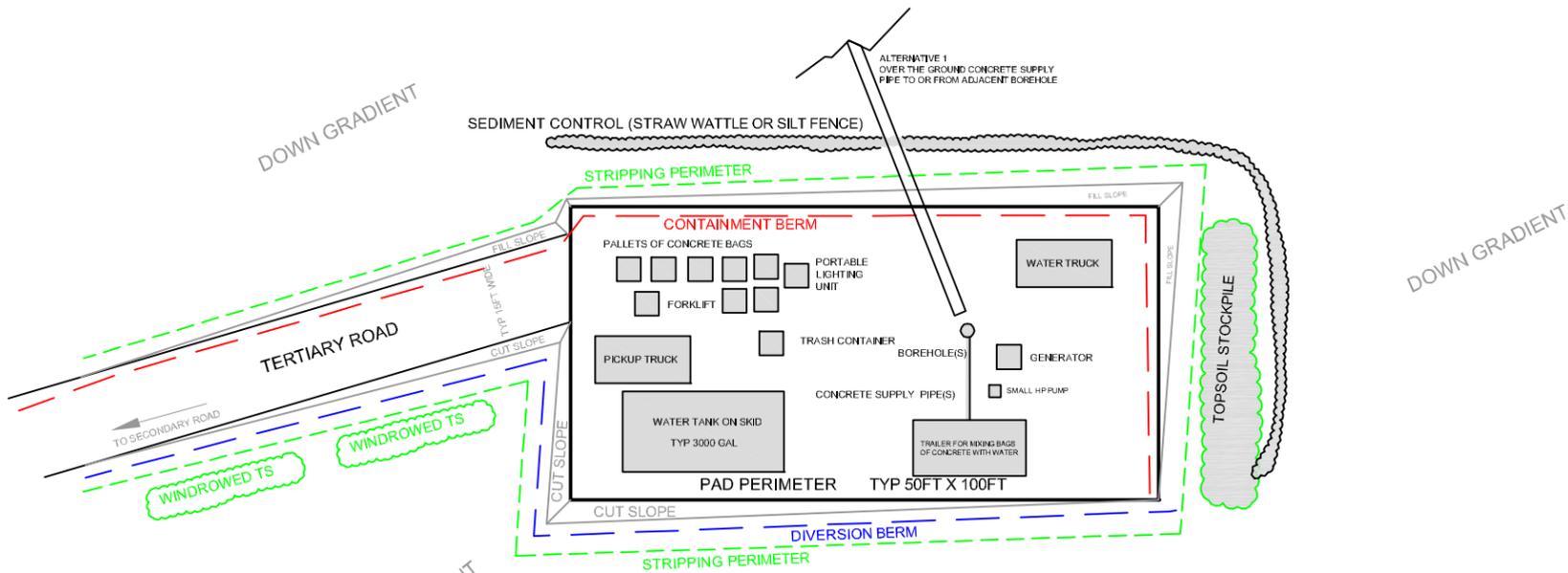
# NO SOILS EXCAVATION!!!



**(A) GENERAL NOTES**

- 1) NO ROAD GRADING OR ROAD CONSTRUCTION
- 2) NO PAD GRADING OR PAD CONSTRUCTION
- 3) SEE MAP 308-4 FOR BOREHOLE NUMBERS & LOCATIONS
- 4) SEE MAP 321-2A FOR ROAD CLASSIFICATIONS
- 5) SEE TABLE 308-4 FOR DESCRIPTION OF BOREHOLE PADS AND ASSOCIATED MATERIALS
- 6) SEE 308 TEXT FOR ADDITIONAL SUPPORT FACILITIES DETAILS
- 7) BROADCASTING METHOD AND CURRENTLY APPROVED PERMANENT SEED MIX AND SEED RATE WILL BE USED (See Volume 2; 313-3 Tables), UNLESS SURFACE OWNER HAS ALTERNATE SPECIFICATIONS

**TYPICAL SUPPORT FACILITIES REPAIR SEAL  
(A) NO PAD CONSTRUCTION  
NOT-TO-SCALE**



**TYPICAL SUPPORT FACILITIES REPAIR SEAL  
(B) IF PAD CONSTRUCTION IS NEEDED  
NOT-TO-SCALE**

**(B) GENERAL NOTES**

- 1) SEE 321 TEXT FOR TERTIARY ROAD DESIGN DETAILS
- 2) SEE MAP 308-4 FOR BOREHOLE NUMBERS & LOCATIONS
- 3) SEE MAP 321-2A FOR ROAD CLASSIFICATIONS
- 4) SEE TABLE 308-4 FOR DESCRIPTION OF BOREHOLE PADS AND ASSOCIATED MATERIALS
- 5) PUMPABLE CRIB PADS WILL BE PERMITTED BY INDIVIDUAL MINOR REVISIONS
- 6) CLASS III CULTURAL RESOURCES SURVEY PRIOR TO CONSTRUCTION
- 7) SEE 308 TEXT FOR ADDITIONAL SUPPORT FACILITIES DETAILS

**(B) SEDIMENT CONTROL PLAN**

- 1) SEE ILLUSTRATION ON THIS FIGURE
- 2) ALL BOREHOLE PADS ARE EXPECTED TO BE TEMPORARY DISTURBANCES
- 3) PADS WILL DIVERT RUN-OFF WITH A BERM ON THE UPGRADIENT PORTION
- 4) PADS WILL CONTAIN RUN-OFF WITH A SUBSTANTIAL BERM ON THE DOWNGRADIENT PORTION
- 5) BERMS WILL NOT BE CONSTRUCTED OF TOPSOIL MATERIAL
- 6) STRAW WATTLE AND OR SILT FENCE WILL BE INSTALLED ADJACENT TO FILL SLOPES WHERE NECESSARY
- 7) TOE OF FILL WILL NOT EXTEND BEYOND STRIPPING PERIMETER; AN INTENTIONAL BUFFER WILL SEPARATE TOE OF FILL FROM THE STRIP PERIMETER FOR ADDED SEDIMENT CONTROL

**(B) RECLAMATION PLAN**

- 1) SEE TABLE 308-4 FOR RECLAMATION SCHEDULE
- 2) SEE ANNUAL REPORT MAPPING FOR CURRENT STATUS OF BOREHOLE, BOREHOLE PAD AND TERTIARY ROAD RECLAMATION
- 3) SEE 321 TEXT FOR SOILS SALVAGE DETAILS FOR TERTIARY ROADS
- 4) A MINIMUM OF 6 INCHES OF TOPSOIL MUST BE SALVAGED AND STOCKPILED ADJACENT TO BOREHOLE PADS IF SOIL IS AVAILABLE
- 5) TERTIARY ROADS AND BOREHOLE PADS WILL BE GRADED BACK TO PRE-CONSTRUCTION CONTOURS; ANY VARIATION MUST BE APPROVED BY THE DEPARTMENT
- 6) ALL SOIL WILL BE PLACED BACK ON BOREHOLE PAD IN UNIFORM THICKNESS; ACCORDING TO SALVAGE DEPTH
- 7) THE SOIL WILL BE RIPPED OR ROUGHENED TO PROMOTE MOISTURE INFILTRATION AND ENCOURAGE ROOT PENETRATION BY THE SEEDED VEGETATION
- 8) BROADCASTING METHOD AND CURRENTLY APPROVED PERMANENT SEED MIX AND SEED RATE WILL BE USED (See Volume 2; 313-3 Tables), UNLESS SURFACE OWNER HAS ALTERNATE SPECIFICATIONS

REV.	DATE	BY	DESCRIPTION
2	8/14/12	D.R.W.	PERMIT UPDATE_MR156
1	7/25/12	D.R.W.	UPDATED APPLICATION MR156
0	7/18/12	D.R.W.	APPLICATION MR156



**BULL MOUNTAINS MINE NO. 1  
Permit C1993017**  
MUSSELSHELL & YELLOWSTONE COUNTY, MONTANA  
AUGUST 14, 2012  
**FIGURE 308-8A  
TYPICAL SUPPORT FACILITIES:  
REPAIR SEALS**