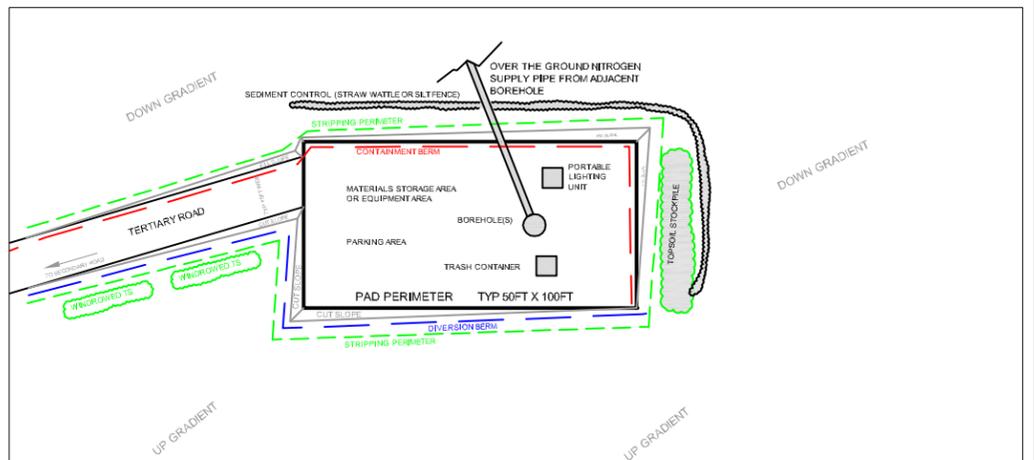
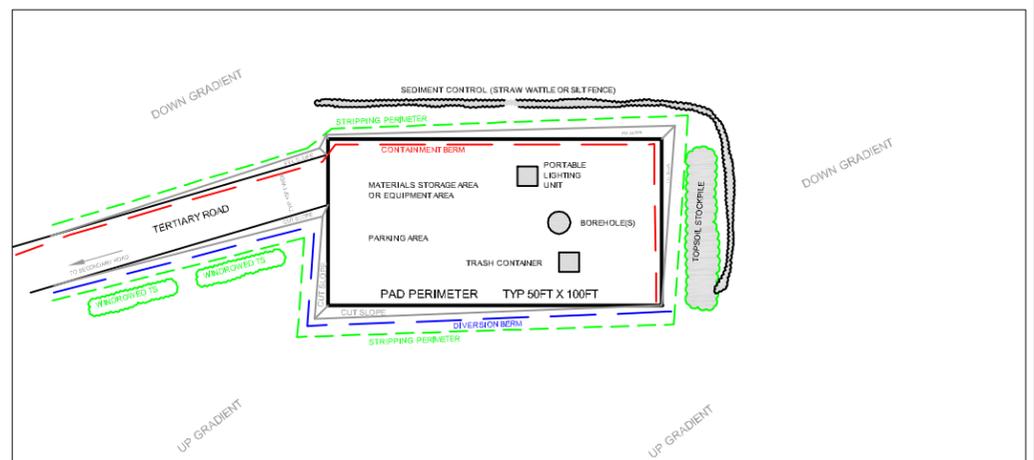


**TYPICAL SUPPORT FACILITIES BOREHOLE PAD
(A) NITROGEN GENERATOR LOCATION
NOT-TO-SCALE**



**TYPICAL SUPPORT FACILITIES BOREHOLE PAD
(B) ADJACENT TO NITROGEN GENERATOR LOCATION
NOT-TO-SCALE**



**TYPICAL SUPPORT FACILITIES BOREHOLE PAD
(C) EMERGENCY AIR OR CONCRETE FEED
NOT-TO-SCALE**



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

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

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 BOREHOLES 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)

REV.	DATE	BY	DESCRIPTION
1	5/21/12	D.R.W.	UPDATE PERMIT MR137
0	3/9/12	D.R.W.	RESPONSE MR137

**BULL MOUNTAINS MINE NO. 1
Permit C1993017**

MUSSELSHELL & YELLOWSTONE COUNTY, MONTANA

MAY 21, 2012

FIGURE 308-8

**TYPICAL SUPPORT FACILITIES:
BOREHOLE PADS**

DUSTY R. WEBER