

PROJECT GRADING SUMMARY ¹ (CUBIC YARDS)

LOCATION	EXCAVATION				FILL				LOCATION
	MINE SPOIL	CLEAN BORROW	TOPSOIL ³	WINDBLOWN MATERIAL ²	MINE SPOIL ⁴	CLEAN BORROW ⁴	TOPSOIL	WINDBLOWN MATERIAL	
CAMPSITE DRAW DIVERSION	NONE	92,800	NONE	NONE	NONE	NONE	6,700 ⁵	NONE	CAMPSITE DRAW DIVERSION
CAMPSITE DRAW BERM	NONE	NONE	NONE	NONE	NONE	12,400	NONE	NONE	CAMPSITE DRAW BERM
POND #2	NONE	28,800	NONE	NONE	490,700	596,400	NONE	20,000	POND #2
CLEAN BORROW AREA	NONE	650,660	NONE	NONE	NONE	4,780	NONE	NONE	CLEAN BORROW AREA
ANC MINE SPOILS	512,900	NONE	NONE	NONE	22,200	NONE	NONE	NONE	ANC MINE SPOILS
WINDBLOWN AREAS	NONE	NONE	NONE	20,000	NONE	NONE	20,900 ⁶	NONE	WINDBLOWN AREAS
POND #2 MARGINS	NONE	NONE	NONE	NONE	NONE	159,500	23,300 ⁶	NONE	POND #2 MARGINS
TOPSOIL STOCKFILES	NONE	NONE	49,900 ⁶	NONE	NONE	NONE	NONE	NONE	TOPSOIL STOCKFILES
TOTALS	512,900	772,060	49,900	20,000	512,900	772,060	49,900	20,000	TOTALS
TOTAL UNCLASSIFIED	1,334,860 ¹²				1,334,860 ¹²				TOTAL UNCLASSIFIED
POND #1 PRELOADING AREA	97,000	NONE	NONE	NONE	97,000	NONE	NONE	NONE	POND #1 PRELOADING AREA

NOTES:

- QUANTITIES SHOWN ARE TO BE CONSIDERED ONLY AS AN AID FOR BIDDING. ACTUAL QUANTITIES WILL VARY FROM THOSE SHOWN. SQUARE YARDAGES AND VOLUMES ARE HORIZONTAL PLANE AREAS.
- AREAS OF WINDBLOWN EXCAVATION ARE SHOWN ON SHEET 6. QUANTITIES ARE BASED ON AN EXCAVATION DEPTH OF SIX (6) INCHES.
- TOPSOIL STOCKFILES 23, 24, 25, 26, 27, 28, 29, 30, 31 AND 32 WILL BE MOVED FOR THIS CONTRACT. ALL TOPSOIL WILL BE DIRECT HAULED FOR PLACEMENT. THE QUANTITIES SHOWN DO NOT REFLECT DOUBLE HANDLING.
- MINE SPOIL AND CLEAN BORROW FILL QUANTITIES INCLUDE A 12 PERCENT ADJUSTMENT FOR SHRINKAGE.
- TOPSOIL WILL BE PLACED OVER VEGETATED FILL AREAS SHOWN IN SHEET 6 TO A DEPTH OF SIX (6) INCHES.
- EXCESS TOPSOIL FROM STOCKFILES LISTED IN NOTE 3 ABOVE WILL BE DIRECT HAULED AND PLACED ON WINDBLOWN AREAS OR AS DIRECTED BY THE ENGINEER.
- CLASS 1 1/4 RIPRAP WILL BE PLACED IN THE LOCATIONS SHOWN ON SHEET 9 TO A DEPTH OF THREE (3) INCHES. ON-SITE ROCK IS STOCKPILED BUT WILL REQUIRE SCREENING AND CRUSHING. ON-SITE ROCK WILL LIKELY NOT PROVIDE THE ENTIRE QUANTITY NEEDED.
- CLASS 3 RIPRAP WILL BE PLACED IN THE LOCATIONS SHOWN ON SHEET 9 TO A DEPTH OF SIX (6) INCHES. ON-SITE ROCK IS STOCKPILED BUT WILL REQUIRE SCREENING AND CRUSHING. ON-SITE ROCK WILL LIKELY NOT PROVIDE THE ENTIRE QUANTITY NEEDED.
- CLASS 9 RIPRAP WILL BE PLACED IN THE LOCATIONS SHOWN ON SHEET 9 TO A DEPTH OF TWELVE (12) INCHES.
- BORROW AREAS WILL NOT BE VEGETATED FOR THIS CONTRACT.
- WINDBLOWN AREAS DISTURBED BY EXCAVATION AND TILLING ACTIVITIES WILL BE REVEGETATED.
- TOTAL UNCLASSIFIED MATERIAL QUANTITY DOES NOT INCLUDE ALTERNATE 4, POND #1 PRELOADING.

PROJECT RIPRAP SUMMARY ¹ (SQUARE YARDS)

LOCATION	CLASS 1 1/4 ⁷	CLASS 3 ⁸	CLASS 9 ⁹
POND #2 TOP	215,000	NONE	NONE
POND #2 SIDES	NONE	283,000	NONE
POND #2 SOUTH AREA	72,000	NONE	NONE
NORTH TOE APRON	NONE	NONE	700
CAMPSITE DRAW DIVERSION	NONE	NONE	9,500
TOTALS	287,000	283,000	10,200

PROJECT REVEGETATION SUMMARY ¹ (ACRES)

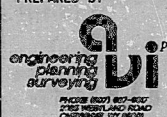
LOCATION ¹⁰	AREA
POND #2 WEST MARGIN	6.0
POND #2 SOUTH MARGIN	6.0
POND #2 EAST MARGIN	8.0
CAMPSITE DRAW DIVERSION	8.0
WINDBLOWN AREAS ¹¹	75.0
TOTALS	103.0

ANSTEC
APERTURE
CARD

NO.	DESCRIPTION	BY	CHKD.	APPROVED	DATE
	1. PRELIMINARY DESIGN	ROP		KJB	1/95
2.	SUBSTANTIAL DESIGN	ROP		KJB	3/96
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

DRAWING NO.	DRAWING TITLE
4.	EXISTING TOPOGRAPHY & PROJECT LIMITS
6.	AREAS OF WINDBLOWN CLEANUP AND PLACEMENT
7.	TAILINGS POND #2 GRADING PLAN
8.	ANC SPOILS GRADING PLAN
9.	PLAN VIEW, PHASE II ROCK PLAN
10.	ROCK DETAILS

ENGINEERING RECORD	BY	DATE
GRADING PLAN	KJB	2/95
RIPRAP DESIGN	MKR	2/95
	KJB	2/95

PREPARED BY	PREPARED FOR
 SHEPHERD MILLER INCORPORATED	WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY LAND QUALITY DIVISION

TITLE	
PROJECT SUMMARY	
PROJECT: 04-428 SCALE: 1" = 1'	DATE: MAR 20, 1996 DRAWN BY: PROJSUM

PDR RIDS

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