

PERMIT CHANGE TRACKING FORM

- Significant Permit Revision
- Permit Amendment
- Incidental Boundary Change

| | | | |
|---|---------------------|-----------------|----------------------|
| DATE RECEIVED <i>JUL 5 @ PFO</i> | By: _____ (Initial) | PERMIT NUMBER | ACT/015/025 |
| Title of Proposal: <i>ASCA</i> | | PERMIT CHANGE # | <i>95-I</i> |
| Description: <i>SOIL CONTROL FOR DISTURBANCE ASSOCIATED W/ DEVELOPMENT OF TANK SUMM PAD</i> | | PERMITTEE | CO-OP MINING COMPANY |
| | | MINE NAME | BEAR CANYON MINE |

| | | | |
|---|--|-----------|---|
| <input checked="" type="checkbox"/> 15 DAY INITIAL RESPONSE TO PERMIT CHANGE APPLICATION | DATE DUE | DATE DONE | RESULT |
| <input type="checkbox"/> Notice of Review Status of proposed permit change sent to the Permittee. | <i>P. MISS TO CHARLES RE/NOGDS-7-17-95</i> | | <input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED |
| <input type="checkbox"/> Responses Received. | | | COMMENTS |
| <input type="checkbox"/> Notice of Affidavit of Publication. (If change is a Significant Revision.) | <i>NA</i> | | |

| REVIEW TRACKING | INITIAL REVIEW | | MODIFIED REVIEW | | FINAL REVIEW AND FINDINGS | |
|---|----------------|--------------|-----------------|------|---------------------------|------|
| DOGM REVIEWER | DUE | DONE | DUE | DONE | DUE | DONE |
| <input checked="" type="checkbox"/> Lead <i>SOB</i> | | | | | | |
| <input type="checkbox"/> TA (See Attached) | | | | | | |
| <input type="checkbox"/> Reviewers | | | | | | |
| <input type="checkbox"/> Administrative (AVS) | | | | | | |
| <input type="checkbox"/> Biology | | | | | | |
| <input checked="" type="checkbox"/> Engineering <i>PH</i> | | <i>7/17</i> | | | | |
| <input type="checkbox"/> Geology | | | | | | |
| <input type="checkbox"/> Soils | | | | | | |
| <input checked="" type="checkbox"/> Hydrology <i>KW</i> | | <i>12/12</i> | | | | |

| COORDINATED REVIEWS | SENT | DUE | RECEIVED | SENT | DUE | DONE |
|---|------|-----|----------|------|-----|------|
| <input type="checkbox"/> OSMRE | | | | | | |
| <input type="checkbox"/> US Forest Service | | | | | | |
| <input type="checkbox"/> Bureau of Land Management | | | | | | |
| <input type="checkbox"/> US Fish and Wildlife Service | | | | | | |
| <input type="checkbox"/> US National Parks Service | | | | | | |
| <input type="checkbox"/> UT Environmental Quality | | | | | | |
| <input type="checkbox"/> UT Water Resources | | | | | | |
| <input type="checkbox"/> UT Water Rights | | | | | | |
| <input type="checkbox"/> UT Wildlife Resources | | | | | | |
| <input type="checkbox"/> UT State History (SHPO) | | | | | | |
| <input type="checkbox"/> State Trust Lands | | | | | | |

| | | |
|--|-----------|---|
| <input checked="" type="checkbox"/> Public Notice / Comment / Hearing Complete. (If the permit change is a Significant Revision) | <i>NA</i> | <input type="checkbox"/> Permit Change Approval Form signed and approved effective as of this date. <input type="checkbox"/> Permit Change Denied. |
| <input type="checkbox"/> Copies of permit change marked and ready for MRP. | | <input type="checkbox"/> Notice of <input type="checkbox"/> Approval <input type="checkbox"/> Denial to Permittee. |
| <input type="checkbox"/> Special Conditions/Stipulations written for approval. | | <input type="checkbox"/> Copy of Approved Permit Change to File. |
| <input type="checkbox"/> TA and CHIA modified as required. | | <input type="checkbox"/> Copy of Approved Permit Change to Permittee. |
| <input type="checkbox"/> Permit Change Approval Form ready for approval. | | <input type="checkbox"/> Copies to Other Agencies and Price Field Office. |

*ONLY 3 CC'S
 BEING ON THIS ONE
 WILL SEND FINALS OUT
 AND NOT CHARLES ON FRIDAY
 NO XT TIME FOR MRP
 CHARLES*

3.3.14 Total Area for Surface Disturbance During Permit Term

The surface acreage within the disturbed area boundaries of the mine operation are shown on Plates 2-4 and summarized as follows:

| Table 3.3-1 Surface Disturbance Summary | | | |
|---|-------------|----------------|-----------|
| DESCRIPTION | Total acres | Pre-1977 acres | New acres |
| Ball Park Topsoil Pile | 1.27 | -0- | 1.27 |
| Lower Haul Road | 1.6 | 1.6 | 0.0 |
| Sed Pond B & Scale Office Pad | 2.56 | 1.23 | 1.33 |
| Sed Pond A | 0.75 | -0- | 0.75 |
| Main Pad Area | 12.30 | 8.86 | 3.44 |
| Portal Access Road | 2.62 | 0.01 | 2.61 |
| Blind Canyon Seam Portal Area | 1.70 | 0.51 | 1.19 |
| Upper Storage Pad | 0.74 | -0- | 0.74 |
| Shower House Pad | 1.84 | -0- | 1.84 |
| Tank Seam Access Road | 2.25 | -0- | 2.25 |
| Tank Seam Portal Pad | 0.46 | -0- | 0.46 |
| TOTAL | 28.09 | 12.21 | 15.88 |

There are approx 17 total acres of Pre-1977 disturbed area in the permit area. Additional information concerning disturbed acreage is found in Section 8.7.

3.3.15 Detailed Construction Schedule

Construction starting and completion dates are listed in Table 3A-1, Appendix 3-A.

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**B.T.C.A. ALTERNATE SEDIMENT CONTROL AREAS
AND SMALL AREA EXEMPTIONS**

~~GENERAL~~ Alternate Sediment Control Areas

The areas described below are located within the permit boundaries. Because of their locations, surface runoff from these areas does not pass through the main sediment pond treatment facilities. In order to prevent, to the extent possible, erosion and additional contributions of sediment to stream flow or to runoff outside the permit area control measures have been taken. The "Best Technology Currently Available" (BTCA) is used for each area. These areas called ~~BTCA~~ areas are depicted on Plates 7-1.

Erosion control and sediment treatment measures for each area are addressed separately in the following sections of this appendix. All supplemental sediment control structures will be positioned to provide treatment before surface runoff leaves the permit area. Treatment methods and facilities will be properly maintained.

~~Supplemental sediment control structures will be used until ground cover meets the standards of the reference area. The ground cover standards, outlined in Appendix 9-A, Table 9A-1, are:~~

| | |
|-------------------------------|-------------------|
| Vegetation | 28.52 |
| Rock | 46.00 |
| Litter | 11.70 |
| Total Ground Cover | 86.22% |

~~Vegetation will be monitored by a qualified Co-Op staff member~~

using the Point Method for sampling as described in the Division's Vegetation Information Guidelines. Each area will be monitored until sample adequacy has been achieved. The reference area will also be sampled so that a current comparison is provided. Once the ground cover standard has been met in a BTCA area, a formal proposal will be submitted to the Division to remove supplemental structures. After the removal of supplemental structures, annual ocular monitoring will be done jointly by Division and Co-Op staff in the spring of each year. Ground Cover, erosion, and vegetation establishment will be reviewed to verify the effectiveness of the cover. Also, drainage from these areas will be monitored during storm events to verify compliance with state and federal limitations.

Runoff volumes are based on the 10 yr 24 hr event of 2.25 in. and runoff CN of 82.

BTCA Area A - BALL PARK TOPSOIL PILE

The ball park located on Plate 7-1A covers approx 1.3 acres. Runoff volume from this area is calculated to be approx 0.08 acre ft. This area is well downstream from the sediment pond structures and is isolated from all other facilities. Sediment and erosion control is performed ~~primarily with the establishment of a good vegetation (grass) cover.~~ using straw bale dikes and/or silt fences which are installed and will be maintained on the south east side, in-line with the natural flow from the area.

BTCA Area B - TOPSOIL STOCKPILE

The main topsoil storage pile, located on Plate 7-1C covers approx 0.1 acres. Runoff volume from this area is calculated to be less than 0.01 acre ft. Although this area is located upstream from sediment pond B it is located on the opposite side of an undisturbed drainage ditch, D-9U. The area is encircled by an 18 in. berm which totally contains the runoff and the pile is ~~protected by established vegetation.~~

BTCA Area C - DOWNCAST RAVINE BELOW THE HIAWATHA PORTAL

This area lies between the portal access road and the storage pad below. It is approx 60 ft wide and 260 ft long, covering approx 0.36 acres and is located within area AU-12. See Plate 7-1C.

Runoff volume from this area is calculated to be approx 0.02 acre ft. This area was included in the disturbed area boundaries in 1991 due to inadequate vegetation and erosion. Drainage from the area is directed into culvert C-7U along with the remaining runoff from area AU-12.

Although the area is partially vegetated extensive handwork and reseeded was performed in the fall of 1991 to improve germination potential and reduce erosion. ~~As the primary runoff treatment,~~ silt fences are installed at the base of the area, upstream from the inlet to culvert C-7U. These silt fences will be maintained until vegetation provides adequate control and allows for removal of this area from the disturbed area. This area is not within the current active mining area nor within the area of future reclamation activities.

BTCA Area D - OUTSLOPE OF UPPER PORTAL ACCESS ROAD

This area covers a strip approx 20 ft wide, along and below the upper portal access road. See Plates 7-1C and 7-1D. The area is at the upper edge of drainage areas; AU-12, AU-13, AU-14 and, AU-15. Drainage from most of area AU-12 is treated with silt fences (see BTCA Area C). In order to direct runoff from this strip to the sediment ponds, all drainage from areas AU-6 thru AU-10, and AU-12 thru AU-15 would have to report to the same sediment ponds.

Erosion and sediment control is performed by ~~established vegetation using erosion control matting.~~ The last supplemental seeding was conducted in 1991. ~~Vegetation will be monitored ocularly annually to ensure adequate control is maintained.~~

BTCA Area E - OUTSLOPE OF LAMPHOUSE PAD

This area lies between the upper lamphouse/mine portal bermed pad and the portal access road, extending from the road junction on the south to just north of the upper office trailer at the beginning of the Cattle Co. Road. The area is approx 0.28 acres. See Plates 7-1C and 7-1D. Runoff volume from this area is calculated to be approx 0.02 acre ft.

Drainage from this area reports to ditch D-2U along the upper portal access road, thru culverts C-2U and C-3U and into area AU-13. The difficulty in directing this runoff to the main sediment ponds is similar to that of BTCA Area D.

Erosion and sediment control will be maintained by the use of a silt fence placed in D-2U just downgradient from the Hiawatha portal as shown on Plate 7-1C.

BTCA Area F - OUTSLOPE OF UPPER STORAGE PAD & DOWNCAST PILE.

During construction of the Upper Storage Pad (Plate 7-1C) some fill was overcast down the face of the slope below. Also at the base of the cliff there is a pile of downcast material. The total area is approx 0.24 acres. The runoff volume for this area is calculated to be approx 0.03 acre ft.

Sediment and erosion control is presently maintained with the use of in-place erosion control matting ~~and vegetation~~. With the extension of culvert C-8U in 1992, part of the drainage from the downcast pile will report to Sediment Pond A.

BTCA Area G - PORTAL ACCESS ROAD SWITCH BACK

This area covers a strip approx 25 ft wide by 160 ft long at the switchback of the portal access road. See Plate 7-1D. ~~The runoff volume for this area is calculated to be less than 0.001 acre ft.~~ The area is within AU-15. ~~Following is a demonstration of a small area exemption for Area "G".~~

52
The vegetation of Area "G" was sampled on September 28, 1994, by Mt. Nebo Scientific. The sample parameters were total cover and cover by species. The measurements were made using meter square quadrats placed on the slope by random methods. The results of this monitoring is shown in Table 7K-1. The total living cover was 35.67% with a litter value of 14.67%, resulting in a total cover of 50.53%.

A soil particle size distribution was determined and is shown in Table 7K-2. Table 7K-3 shows the hydrology and sedimentology determined by SEDCAD+ Version 3.1, by Civil Software Design. The run was based on a 10 year-24 hour storm event of 2.10 inches, using an SCS Type II distribution.

The results of the SEDCAD+ run shows that no runoff occurs from the area, because the initial abstraction is greater than the peak flow. Therefore, no offsite sediment loading will occur. Erosion and sediment control is performed by established vegetation. This meets the design requirements for a small area exemption.

Table 7K-1. BTCA "G" Vegetation Sampling Results

CD-OP MINE
 BTCA "G"
 Revegetated Roadside
 Exposure: E
 Slope: 38 deg
 Date: 28 Sept 1994

| | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | 6.00 | 7.00 | 8.00 | 9.00 | 10.00 | 11.00 |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| TREES & SHRUBS | | | | | | | | | | | |
| <i>Dryothamnus nauseosus</i> | 0.00 | 15.00 | 0.00 | 10.00 | 0.00 | 0.00 | 10.00 | 10.00 | 0.00 | 15.00 | 10.00 |
| <i>Ceratoides lanata</i> | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FORBS | | | | | | | | | | | |
| <i>Artemisia ludoviciana</i> | 5.00 | 0.00 | 10.00 | 0.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <i>Penstemon pachyphyllus</i> | 5.00 | 0.00 | 0.00 | 5.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <i>Aster chilensis</i> | 5.00 | 5.00 | 0.00 | 5.00 | 5.00 | 25.00 | 0.00 | 10.00 | 0.00 | 5.00 | 25.00 |
| GRASSES | | | | | | | | | | | |
| <i>Stipa hymenoides</i> | 0.00 | 10.00 | 10.00 | 10.00 | 0.00 | 25.00 | 15.00 | 15.00 | 10.00 | 5.00 | 15.00 |
| <i>Bromus carinatus</i> | 0.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <i>Elymus lanceolatus</i> | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 | 0.00 | 5.00 | 0.00 | 0.00 |
| <i>Elymus spicatus</i> | 10.00 | 0.00 | 0.00 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <i>Elymus salinus</i> | 0.00 | 0.00 | 0.00 | 0.00 | 30.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| COVER | | | | | | | | | | | |
| Total Living Cover | 35.00 | 50.00 | 20.00 | 40.00 | 45.00 | 50.00 | 35.00 | 35.00 | 15.00 | 25.00 | 50.00 |
| Litter | 5.00 | 15.00 | 40.00 | 10.00 | 10.00 | 25.00 | 15.00 | 25.00 | 5.00 | 10.00 | 25.00 |
| Bareground | 30.00 | 15.00 | 30.00 | 25.00 | 10.00 | 10.00 | 25.00 | 20.00 | 40.00 | 40.00 | 10.00 |
| Rock | 30.00 | 20.00 | 10.00 | 25.00 | 35.00 | 15.00 | 25.00 | 20.00 | 40.00 | 25.00 | 15.00 |
| % COMPOSITION | | | | | | | | | | | |
| Shrubs | 14.29 | 30.00 | 0.00 | 25.00 | 0.00 | 0.00 | 28.57 | 28.57 | 0.00 | 60.00 | 20.00 |
| Forbs | 42.86 | 10.00 | 50.00 | 25.00 | 33.33 | 50.00 | 0.00 | 28.57 | 0.00 | 20.00 | 50.00 |
| Grasses | 42.86 | 60.00 | 50.00 | 50.00 | 66.67 | 50.00 | 71.43 | 42.86 | 100.00 | 20.00 | 30.00 |

Table 7K-1 (con't): BTCA "G" Vegetation Sampling Results

CO-OP MINE
 BTCA "G"
 Revegetated Roadside
 Exposure: E
 Slope: 38 deg
 Date: 28 Sept 1994

12.00 13.00 14.00 15.00 Mean SDev Freq

10.00 25.00 5.00 10.00 8.00 7.02
 0.00 0.00 0.00 0.00 0.33 1.25

TREES & SHRUBS
 Chrysothamnus nauseosus
 Ceratoides lanata

0.00 0.00 0.00 0.00 1.33 2.87
 0.00 0.00 0.00 0.00 1.00 2.00
 25.00 5.00 5.00 10.00 8.67 8.65

FORBS
 Artemisia ludoviciana
 Penstemon oachyphyllus
 Aster chilensis

10.00 0.00 0.00 0.00 8.33 7.23
 0.00 0.00 0.00 0.00 1.33 4.99
 5.00 5.00 5.00 5.00 2.67 3.09
 0.00 0.00 0.00 10.00 2.00 4.00
 0.00 0.00 0.00 0.00 2.00 7.48

GRASSES
 Stipa hymenoides
 Bromus carinatus
 Elymus lanceolatus
 Elymus spicatus
 Elymus salinus

50.00 35.00 15.00 35.00 35.67 11.95
 10.00 10.00 5.00 10.00 14.67 9.57
 20.00 45.00 30.00 25.00 25.00 10.80
 20.00 10.00 50.00 30.00 24.67 10.72

COVER
 Total Living Cover
 Litter
 Bareground
 Rock

20.00 71.43 33.33 28.57 23.98 20.27
 50.00 14.29 33.33 28.57 29.06 17.03
 30.00 14.29 33.33 42.86 46.95 20.98

% COMPOSITION
 Shrubs
 Forbs
 Grasses



Table 7K-2. BTCA "G" Particle Size Distribution

CO-OP MINING CO.
Huntington, Utah

2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

Date Sampled: October 03, 1994
Date Received: October 07, 1994
Date Reported: December 06, 1994

SAMPLE ID: BTCA "G"
LAB ID: 37246

GRAIN SIZE ANALYSIS

| SIEVE SIZE | DIAMETER (mm) | % RETAINED | ACCUMULATED % RETAINED |
|------------|---------------|------------|------------------------|
| #4 | 4.750 | 34.46% | 34.46% |
| #10 | 2.000 | 6.89% | 41.34% |
| #18 | 1.000 | 7.70% | 49.04% |
| #35 | 0.500 | 8.03% | 57.07% |
| #60 | 0.250 | 11.18% | 68.25% |
| #120 | 0.125 | 12.10% | 80.35% |
| #230 | 0.063 | 11.63% | 91.98% |
| (pipette) | 0.031 | 2.35% | 94.33% |
| (pipette) | 0.016 | 2.34% | 96.67% |
| (pipette) | 0.008 | 1.48% | 98.15% |
| (pipette) | 0.004 | 0.51% | 98.67% |
| (pipette) | 0.002 | 0.32% | 98.98% |
| | <0.002 | 1.02% | 100.00% |

Reported by: LAB

Reviewed by: mh

Table 7K-3. BTCA "G" Sedimentology

Civil Software Design -- SEDCAD+ Version 3.1
Copyright (C) 1987-1992. Pamela J. Schwab. All rights reserved.

Company Name: HK ENGINEERING
Filename: C:\SEDCAD3\BTCAG User: S. REYNOLDS
Date: 06-19-1995 Time: 10:48:06
BTCA AREA "G" SEDIMENTOLOGY
Storm: 2.10 inches, 10 year-24 hour, SCS Type II
Hydrograph Convolution Interval: 0.1 hr

=====
GENERAL INPUT TABLE
=====

Specific Gravity: 2.50
Submerged Bulk Specific Gravity: 1.25

Particle Size Distribution(s):

| Size (mm) | Composite & Finer |
|--------------|----------------------|
| 4.7500 | 65.54 |
| 2.0000 | 58.66 |
| 1.0000 | 50.96 |
| 0.5000 | 42.93 |
| 0.2500 | 31.75 |
| 0.1250 | 19.65 |
| 0.0630 | 8.02 |
| 0.0310 | 5.67 |
| 0.0160 | 3.33 |
| 0.0080 | 1.85 |
| 0.0040 | 1.33 |
| 0.0020 | 1.02 |

Table 7K-3 (cont.) BTCA "G" Sedimentology

Civil Software Design -- SEDCAD+ Version 3.1
 Copyright (C) 1987-1992. Pamela J. Schwab. All rights reserved.

Company Name: HK ENGINEERING
 Filename: C:\SEDCAD3\BTCAG User: S. REYNOLDS
 Date: 06-19-1995 Time: 10:48:06
 BTCA AREA "G" SEDIMENTOLOGY
 Storm: 2.10 inches, 10 year-24 hour, SCS Type II
 Hydrograph Convolution Interval: 0.1 hr

=====

SUBWATERSHED/STRUCTURE INPUT/OUTPUT TABLE

=====

-Hydrology-

| JBS | SWS | Area (ac) | CN | UHS | Tc (hrs) | K (hrs) | X | Base- Flow (cfs) | Runoff Volume (ac-ft) | Peak Discharge (cfs) |
|-----|--------------|--------------|----|----------------------|-------------|------------|-------|------------------------|-----------------------------|----------------------------|
| 111 | 1 | 0.08* | 61 | M | 0.023 | 0.000 | 0.000 | 0.0 | 0.00 | 0.00 |
| | | Type: Null | | Label: BTCA AREA "G" | | | | | | |
| 111 | Structure | 0.08 | | | | | | | 0.00 | |
| 111 | Total IN/OUT | 0.08 | | | | | | | 0.00 | 0.00 |

=====

SUBWATERSHED/STRUCTURE INPUT/OUTPUT TABLE

=====

-Sedimentology-

SED: Sediment
 SCp: Peak Sediment Concentration
 SSp: Peak Settleable Concentration
 24VW: Volume Weighted Average Settleable Concentration - Peak 24 hours
 24AA: Arithmetic Average Settleable Concentration - Peak 24 hours

| JBS | SWS | K | L (ft) | S (%) | CP | Tt (hrs) | PS # | SED (tons) | SCp (mg/l) | SSp (ml/l) | 24VW (ml/l) | 24AA (ml/l) |
|-------|--------------|------------|-----------|----------------------|-------|-------------|---------|---------------|---------------|---------------|----------------|----------------|
| R 111 | 1 | 0.12 | 15.0 | 92.9 | 0.106 | 0.000 | 1 | 0.0 | | | | |
| | | Type: Null | | Label: BTCA AREA "G" | | | | | | | | |
| 111 | Structure | | | | | | | 0.0 | | | | |
| 111 | Total IN/OUT | | | | | | | 0.0 | 0 | 0.00 | 0.00 | 0.00 |

BTCA Area "V" - Tank Seam Pad Outslope and Point Downslope

This area is approx. 0.22 acres. It includes the outslope of the Tank Seam portal pad and the slope South of the portal pad (Plate 7-1E). The total runoff volume from this area is estimated at 0.0175 acre-ft. Erosion and sediment will be controlled by the use of erosion control matting, which will be maintained. To prevent excess water in crossing or saturating the slope, a berm will be maintained along the outside edge of the pad to prevent water from flowing onto the slopes.

8.9 SELECTED OVERBURDEN MATERIALS OR SUBSTITUTES

There were approx 17 acres disturbed (pre-1977 disturbance) in Bear Canyon prior to time Co-Op Mining Company started its operation in 1981. See Plates 2-4. Approx 1.5 acres of this area are below the gate outside of the permit area. These acres were disturbed during mining activities that had terminated some 30 years prior. Because of this pre-law disturbance and construction of access roads, topsoil was only recovered from some areas and substitute plant growth material will have to be used over much of the reclaimed areas. Areas are summarized in Table 8.9-1.

| MARK ¹ | DESCRIPTION | Total ac. ² | Recontour acres | Pre-1977 acres ² | New acres |
|-------------------|-------------------------------|------------------------|-----------------|-----------------------------|-----------|
| TS-1 | Ball Park Topsoil Pile | 1.27 | 1.27 | -0- | 1.27 |
| TS-2 | Lower Haul Road | 1.6 | 1.6 | 1.6 | -0- |
| TS-3 | Sed Pond B & Scale Office Pad | 2.56 | 2.56 | 1.23 | 1.33 |
| TS-4 | Sed Pond A | 0.75 | 0.75 | -0- | 0.75 |
| TS-5 | Main Pad Area | 12.30 | 9.50 | 8.86 | 3.44 |
| TS-6 | Portal Access Road | 2.62 | 2.62 | 0.01 | 2.61 |
| TS-7 | Blind Canyon Seam Portal Area | 1.70 | 1.50 | 0.51 | 1.19 |
| TS-8 | Upper Storage Pad | 0.74 | 0.70 | -0- | 0.74 |
| TS-9 | Shower House Pad | 1.84 | 1.84 | -0- | 1.84 |
| TS-10 | Tank Seam Access Road | 2.25 | 2.25 | -0- | 2.25 |
| TS-11 | Tank Seam Portal Pad | 0.46 | 0.46 | -0- | 0.46 |
| TOTAL | | 28.09 | 25.05 | 12.21 | 15.88 |

- Notes:**
1. See Plates 8-5.
 2. See Plates 2-4.