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CO-OP MINING COMPANY

P.O. Box 1245
Huntington, Utah 84528

(801) 748-5238
Coal Sales (801) 748-5777

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DEC 02 1985
DIVISION OF OIL
GAS & MINING

November 29, 1985

Mr. John Whitehead
Division of Oil, Gas & Mining
355 West North Temple
#3 Triad Center Suite 350
Salt Lake City, Utah 84180-1203

Dear John:

Please find attached, Co-Op Reply to Bear Canyon MRP Stipulations.

Plate 3-4 is being mailed separately.

Sincerely,

Melvin A. Coonrod
Permitting & Compliance

MC/njc

Attachments

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Co-Op Mining Company Reply to Stipulation of 10/30/85 MRP

Bear Canyon Mine ACT/015/025

Stipulation 782.15-(1,2)-JW

1. Co-Op Mining Company will not conduct mining operations within any portion of the proposed incidental boundary changes shown on Plates 2-1 and 3-4 of the permit application.

2. Prior to conducting any mining operations in the proposed incidental boundary changes shown on Plate 2-1 and Plate 3-4 of this permit application, the applicant must submit a permit application and receive written approval from the Division and the Office of Surface Mining, including approval by the Secretary of the Interior.

Co-Op Reply:

Co-Op Mining is committed to comply with both 1 and 2 of the above stipulation.

Stipulation 817.13-.15-(1)-RVS

1. Within 30 days of completion, boreholes utilized for ground water monitoring will be sealed in a nonpermanent fashion by installing PVC surface casing with a threaded cap for access.

Co-Op Reply:

Presently, Co-Op is only monitoring 3 bores holes on the surface located: #1. adjacent to Main Portal, #2. adjacent to Bear Canyon Development Spring, and, #3 adjacent to Bear Creek in the proximity to Wild Horse Ridge Road. All of the wells will be capped in a manor to allow access prior to November 30, 1985.

Stipulation 817.44-(1)-TM

1. The applicant shall provide, within 60 days of permit approval, revised plans and drawings for the proposed rock gabion structures for final reclamation of the Bear Canyon stream channel. The revised plans and drawings shall incorporate the compliance concerns noted in UMC 817.44 of this TA.

Co-Op Reply:

See Attachment "A" of this submittal "Revised Plans and Drawing" for proposed rock gabion structures.

Stipulation 817.46-(1)-TM

1. The applicant must provide, within 60 days of permit approval, detailed plans for removal of the sedimentation ponds during final reclamation. The applicant must provide plans to divert flows going to and around the sedimentation ponds during final reclamation of the ponds.

Co-Op Reply:

See Attachment "B" of this submittal.

Stipulation 817.55-(1)-TM

1. The applicant shall not divert or discharge water from the surface or from an underground mine into other underground mine workings unless specific approval is obtained for this from the Division.

Co-Op Reply:

Co-Op will not divert or discharge water from the surface or from an underground mine into other underground mine workings unless specific approval is obtained from the Division. However, it is assumed that this would not apply to water being used in the course of mining fur dust suppression underground, cooling of equipment etc. during normal mining operations.

Stipulation 817.57-(1)-TM

1. The applicant must submit, within 60 days of permit approval, a map showing a new location for the electrical storage area on the disturbed area. Within 30 days of Division approval, Co-Op must relocate the electrical storage area to the approved location.

Co-Op Reply:

See Attachment "C" "Proposed Electric Storage Facility Location".

Stipulation 817.121-.126-(1)-RVS

1. The applicant must, within 30 days of permit approval, commit to maintaining a continuous barrier along the north-south trending fault that occurs approximately 950 ft. in from the main access portal. The barrier shall be 80 feet wide with 40 feet of the barrier along each side of the fault for the entire length of the fault. The barrier may not be mined through without specific Division approval to do so based on revised mine sequence maps and mining plans submitted to the Division.

   The applicant must provide within 30 days of permit approval a revised Plate 3-4 which delineates the 80 foot barrier.

Co-Op Reply:

See Attachment "D" Revised Plate 3-4:

Co-Op requests the Division note the location and the need to mine through the barrier as noted on Plate 3-4. The adit is necessary to be utilized as a bleeder line so that those reserves can be recovered as pictured on Plate 3-4. This is being requested as a safety requirement and in line with MSHA guidelines.

Attachment A

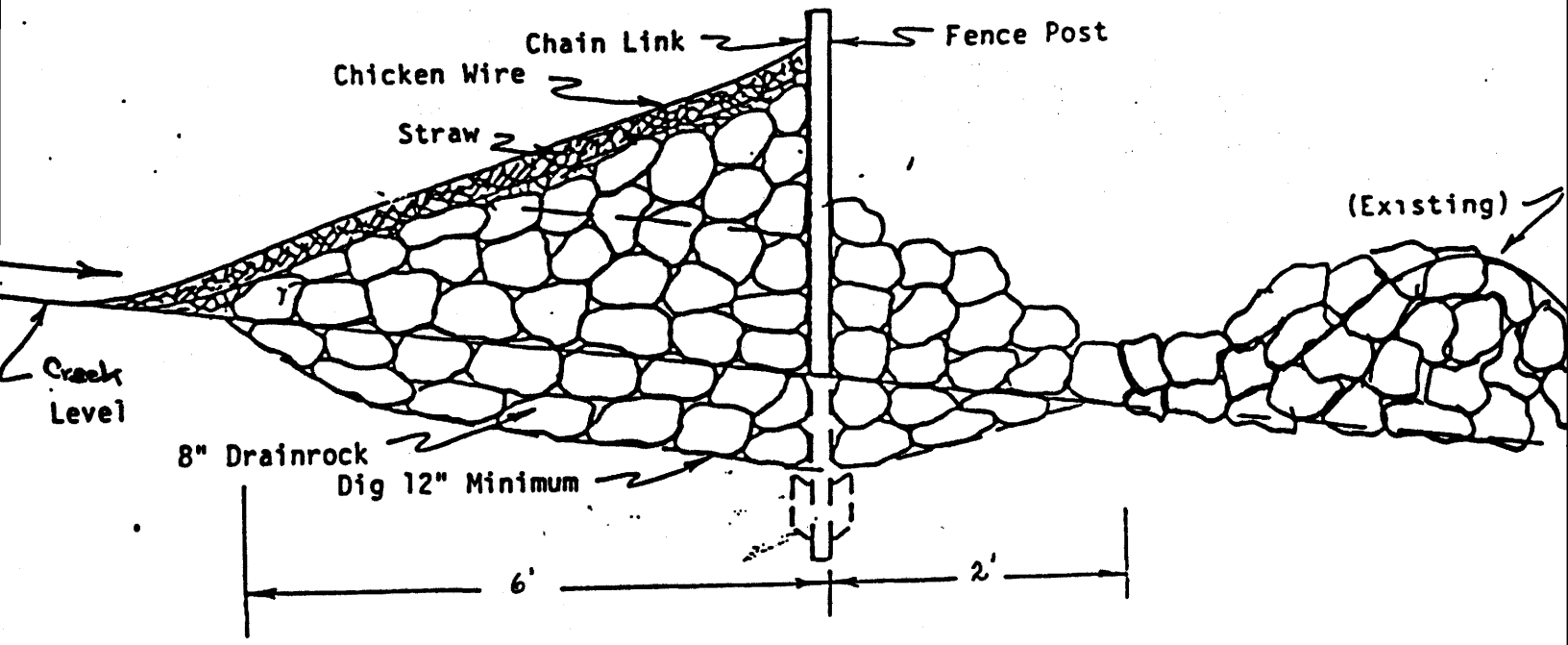
Rock Gabion

The rock gabions, as pictured on Figure A-1 will be installed along Bear Creek as committed in the Scale house modification and placed at approximately 75' intervals adjacent to Sediment Pond "B" along Bear Creek. These three structures will be constructed as soon as weather permits (winter 1985-spring 86.)

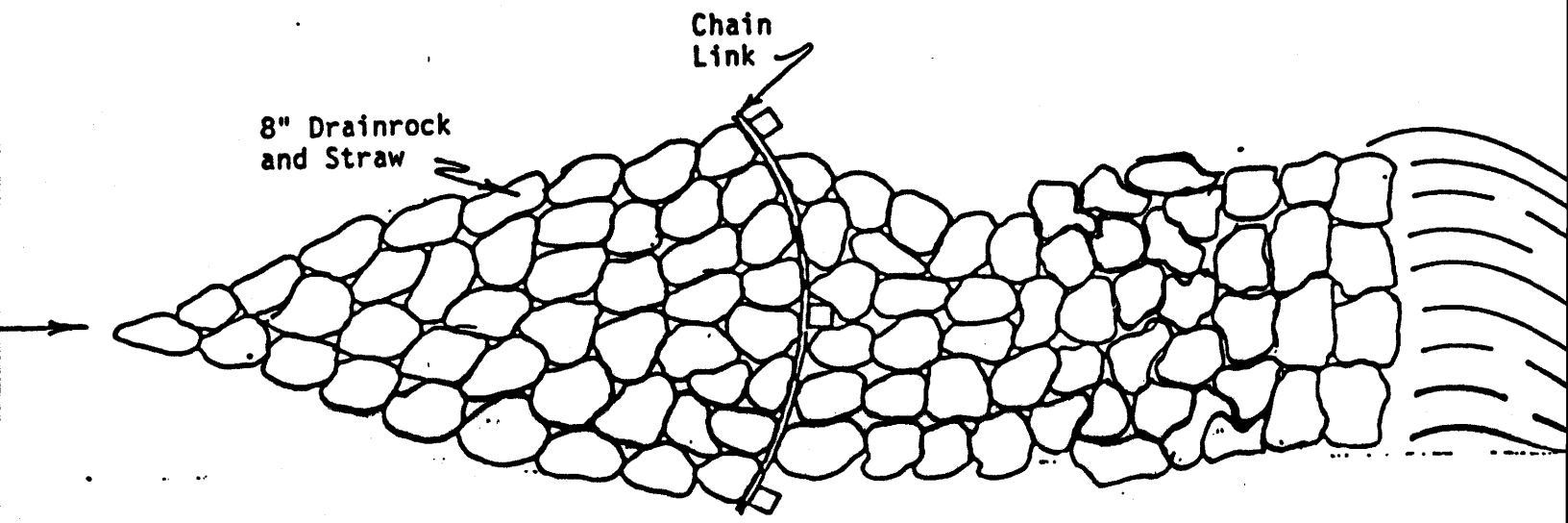
Due to the excessive silt load associated with Bear Creek's natural drainage area, it is anticipated that in a relatively short time the filtration aspect of the gabions will be negated through natural silt loading. However, the function of the gabion should not be negated but simply modified to represent a check dam with a positive enhancement value associated with the expansion of increased reparian habitat.

Rock Gabion Structure

SCALE 1" = 2'



SECTION VIEW



PLAN VIEW

Fig A-1

Attachment B

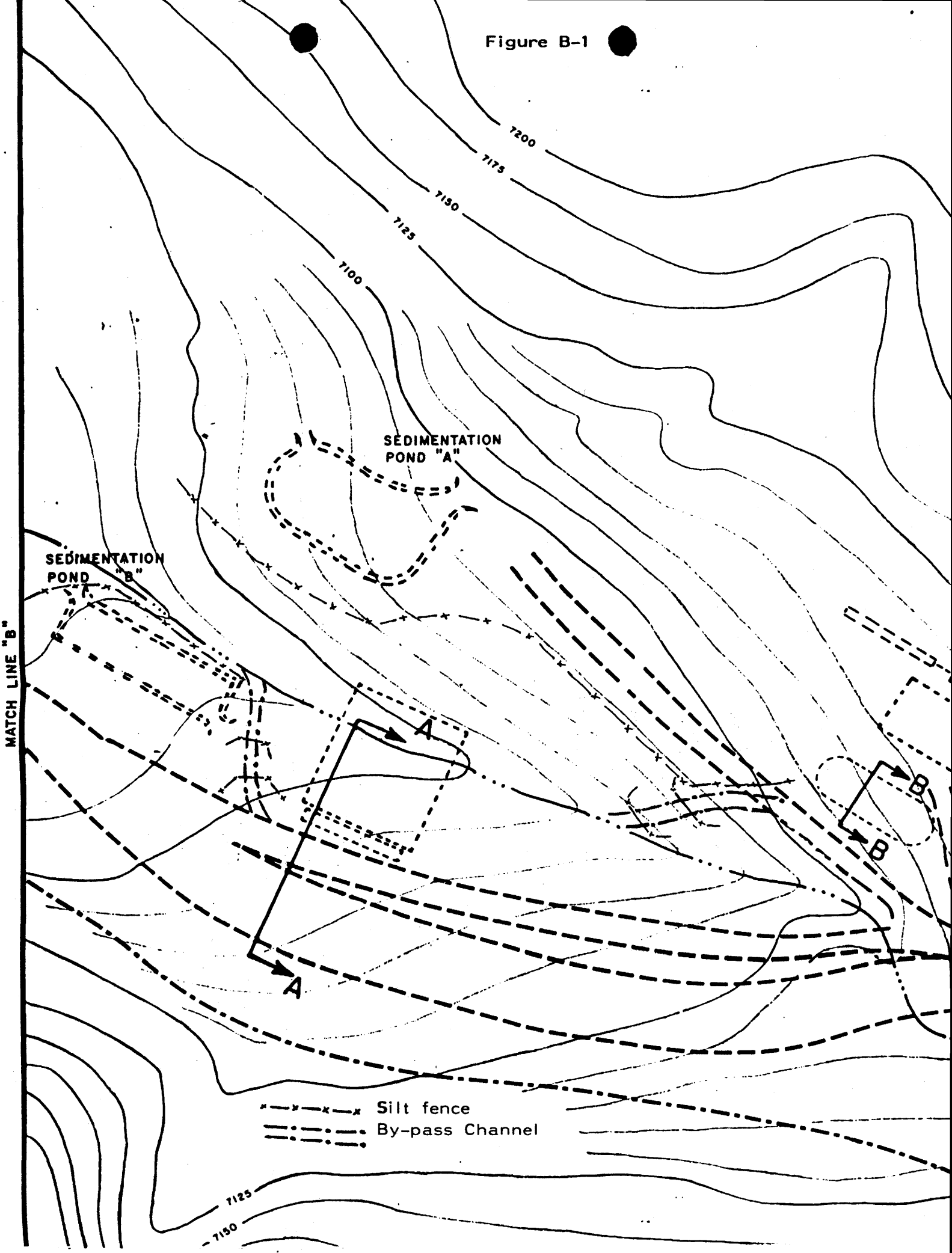
"Pond Reclamation"

Sediment ponds "A" and "B" will be the last structures to be removed. Both ponds will be maintained until revegetation is established on all upslope reclaimed lands. When revegetation has been established, the ponds will be decanted, allowed to dry, by implementing newly created by-pass channels. The embenkments will be removed by placing this material within the ponds in a maximum of two foot lifts and compacting the material to 90% of surrounding undisturbed soils. Top soil will then be placed over the newly filled pond to an approximate thickness of 6". This material will be ripped to a depth of 12" to insure a non-compacted seed bed is available for revegetation. The method of revegetation is addressed in Chapter 9 Section 9-5 . Seed mix is included on pages 9-22 - 9-24. Silt fences will be installed along the creek side of the disturbance on each pond and maintained until vegetation is re-established, at which time the silt fences will be removed. Figure "B-1" attached, details locations of the by-pass channels as well as the installation of silt fences.

That portion of the by-pass channel which constitutes new disturbance and prior to intersection of the original channels will be lined with rip-rap having a median diameter (D-50) of 6" and a maximum diameter of 12". This size should be stable for channel bottom for velocities as high as 9 feet/second according to the Bureau of Reclamation approach.

Decant culverts will be salvaged if possible. Otherwise, they will be disposed of in an approved landfill.

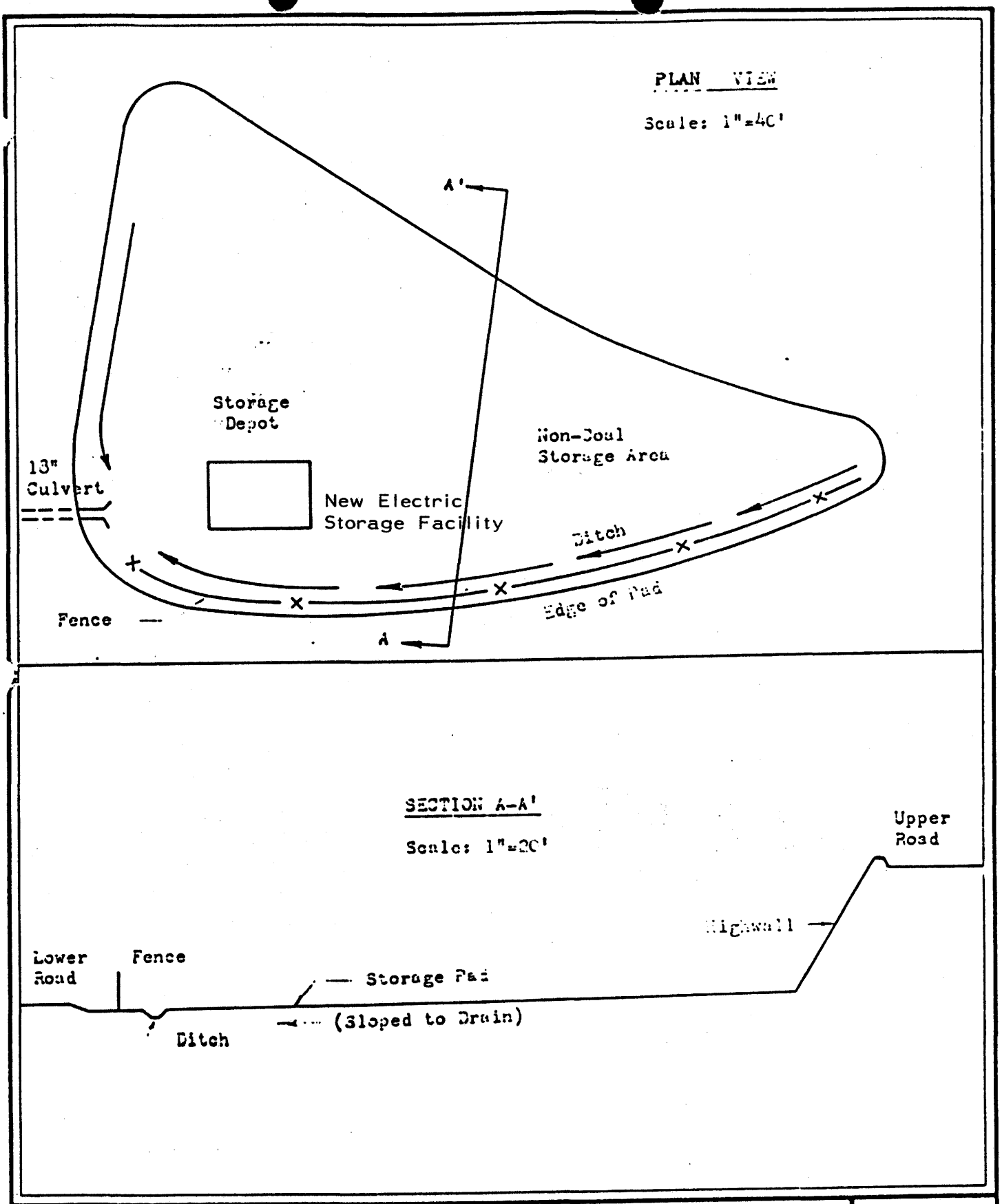
Figure B-1


7200
7175
7150
7125
7100
SEDIMENTATION POND "A"
SEDIMENTATION POND "B"
MATCH LINE "B"
A
A
B
B
Silt fence
By-pass Channel
7125
7150

Attachment C

Electric Storage Facility

The existing electrical storage facility (old box car) was in place prior to the Bear Canyon Mine starting. It has been utilized as a temporary storage facility pending completion of the non-coal storage yard and depot as shown on attached Figure 1-1, and as listed in Chapter 3 Appendix 3.3.4.-A. This yard and structure will be completed by August, 1986, at which time all materials presently stored adjacent to the yard will be relocated with the exception of the old box car which will be demolished and hauled to an approved sanitary land fill.



NON-COAL STORAGE AREA	BEAR CANYON	FIGURE NO 1-1