

3.2.1.2 Facilities Construction Dates

The following is a list of facilities and approximate dates on which construction was begun and completed on each:

<u>Facility</u>	<u>Construction Begun</u>	<u>Construction Completed</u>
Preparation Plant	10/77	12/78
Conveyors	10/77	4/78
Silo/Loadout	10/77	4/78
Shop/Lab/Warehouse	3/80	6/80
Power Line/Substation	10/77	4/78
Pumphouse	8/78	10/78
Scales/Scalehouse	2/78	4/78
Refuse Pile	12/78	On-Going
Railroad Loop	10/77	4/78
Roads/Parking Areas	10/77	4/78
Water System	10/77	10/78
Culinary Water	8/84	9/84
Sewage System	3/80	5/80
Diversion Ditches	6/78	6/79
Sedimentation Ponds	6/78	6/79
New Shop/Oil Storage	10/05	4/06
New Reclaim Conveyor	10/05	6/06
New Stacking Tube	04/06	-
New Plant Feed Conveyor	07/06 est.	-
New Stacking Conveyor	07/06 est.	-
New Raw Coal Conveyor	07/06 est.	-
Settling Ponds	07/06 est.	-

3.2.3.3 Coal Processing Waste Disposal (continued)

Coal processing waste at C.V. Spur was truck hauled from the preparation plant to the designated disposal site within the permit area. The design, construction and maintenance of the waste bank is under the supervision of a registered professional engineer.

The coal processing waste was the reject from the washing cycle used to clean and upgrade the coal from the Beaver Creek Coal Company mines in the Carbon-Emery County area. Coal was washed from the Gordon Creek #2 Mine (Castle Gate "A" Seam), Gordon Creek #3 Mine (Hiawatha Seam), and Huntington Canyon #4 Mine (Blind Canyon Seam). All of the seams producing coal for this plant were low-sulfur (0.5% to 0.8%). The reject was also low-sulfur, non-acid, and non-toxic. The attached analyses show the typical quality of the coal and the refuse product (Figure 3-1 and 3-2).

The wash plant has been idle since 1984; however, it is scheduled to be restarted during the summer of 2006. Equipment will be replaced or upgraded within the plant as required. The washing cycle will generate refuse as it did previously; however, under the new scenario, the refuse will be stored only temporarily on the east and/or west side of the refuse pile in an area where refuse has been removed. The coal to be washed under this restart plan is owned by another company, and the refuse generated by the washing cycle will be disposed of in their refuse pile which is presently under application for approval. This refuse will only be stored at Savage Coal Terminal until such time as the permanent refuse site for this company is approved. At that time, all of the refuse generated by the restart of the washing cycle will be taken to the company's refuse site for permanent disposal.

At the present time, no coal processing waste is being deposited on the refuse pile from the plant. Materials from ditch and pond cleaning are periodically placed on the refuse pile.

The texture of the refuse material has been classified as "coarse", as indicated by the following typical screen analysis:

+4"	-	5%
4" x 2"	-	5%
2" x 3/4"	-	15%
3/4" x 1/4"	-	20%
1/4" x 28m	-	25%
28m x 0	-	30%

Based on the analyses, there is no apparent reason that the toxicity of the refuse product should change; however, if water analysis in the area should indicate a change in pH or other possible toxic levels after the refuse has weathered, additional sampling will be performed to check for acid-toxic levels in the refuse.

If the tests show an acid or toxic forming potential, the disposed material will be covered with 4 feet of non-acid, non-toxic material.

The line will undoubtedly remain in service after closure of the C.V. Spur.

The railroad loop within the C.V. Spur is owned by Beaver Creek Coal Company. It consists of a single set of tracks slightly elevated (3') above natural ground. This rail serves as a loop for the unit trains to travel head-first into the silo, eliminating the need for engine switching. The loop is 8,340 feet long. This rail line will be used and maintained throughout the C.V. Spur operational life.

Grades and typical cross-section of the rail loop are shown on Plate 3-5, "Railroad Facilities".

3.2.5.3 Conveyors

There are sixteen (16) separate, permanent conveyor runs at the C.V. Spur (see Figure 3-7). In addition, there are temporary, portable conveyors used on the site. The number and location of the temporary conveyors varies according to need.

Conveyor #1 - 36" x 250' long stacking conveyor from the truck dump to the raw coal stacking tube.

Conveyor #1a - 36" x 250' long stacking tube conveyor from the above raw coal stacking tube to a new steel stacking tube.

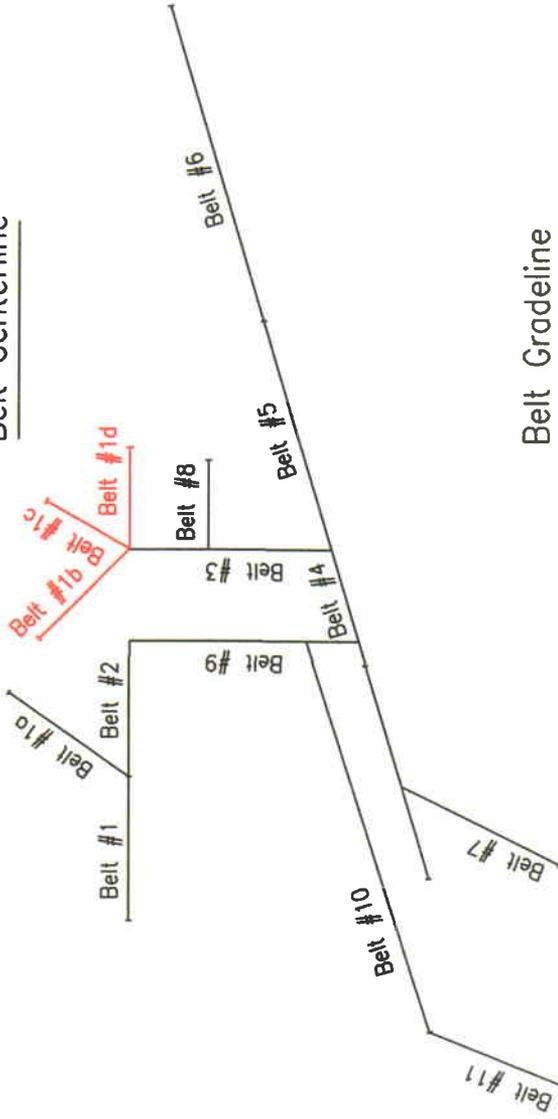
Conveyor #1b - 36" x 233' conveyor from new stacking tube area to wash plant.

Conveyor #1c - 36" x 130' stacking conveyor from wash plant to clean coal pile on north side.

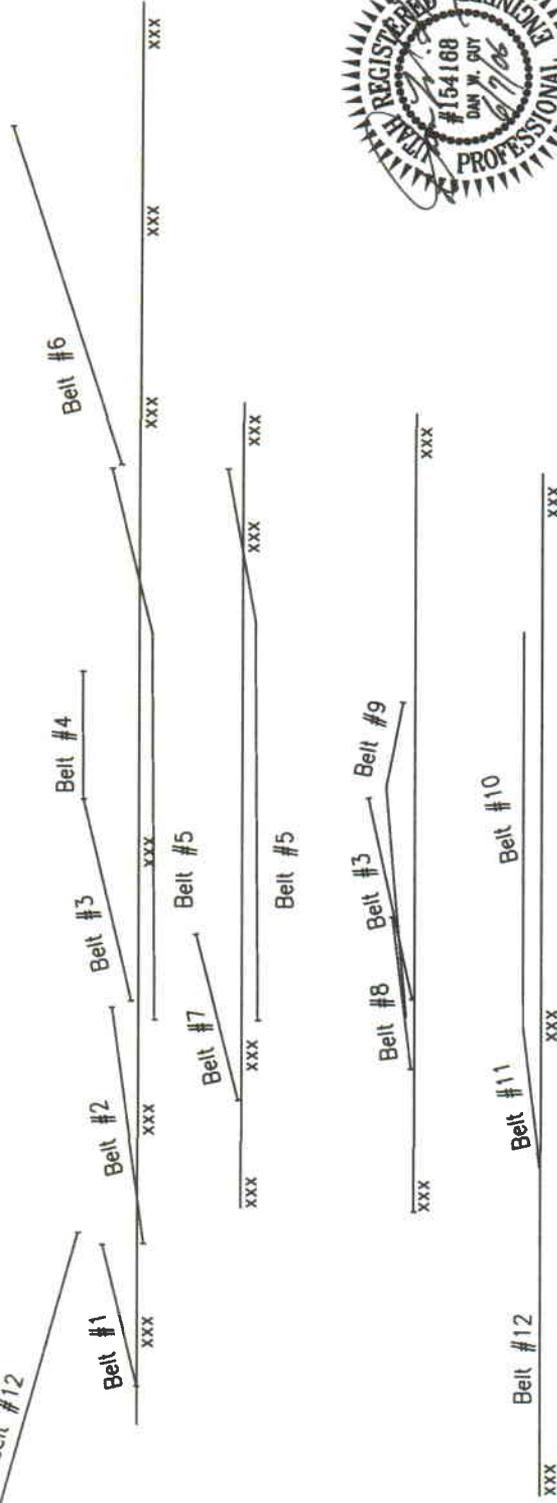
Conveyor #1d - 36" x 200' conveyor for -1/4" coal from wash plant to raw coal pile to west.

Figure 3-7

Belt Centerline



Belt Gradeline



Savage Coal Terminal

Centerline and Grade of Belts

3-28

C.V. Spur

1"=300'

April 2006

Conveyor #2 - 36" x 300' reclaim conveyor from raw coal pile to conveyor #9.

Conveyor(s)# 3-(2) 36" x 365' clean fine and coarse coal conveyors from the plant to the clean coal stacking tube.

Conveyor #4 - 36" x 225' clean fine coal transfer conveyor from coarse coal stacking tube to fine coal stacking tube.

Conveyor #5 - 48" x 600' clean coal reclaim conveyor from clean coal piles to transfer in loadout sample building.

Conveyor #6 - 48" x 660' loading conveyor from transfer point in sample building to 10,000 ton silo.

Conveyor #7 - This conveyor is 36" x approximately 350' and runs from the new truck dump to a crushed coal stacking tube.

Conveyor #8 - 42" x 150' conveyor from the new truck dump to the twin 36" conveyors described in #3 above.

Conveyor #9 - 48" x 440' conveyor from the plant feed belt to the clean coal stacking tube area.

Conveyor #10 - 48" x 728' elevated conveyor from truck loop storage area to conveyor #9.

Conveyor #11 - 48" x 246' feed conveyor from the truck loop storage area to conveyor #10.

Conveyor #12 - 48" x 564' future surface transfer system to move coal from the track loop storage area to conveyors #10 and #11.

Grade of all conveyors are shown on Figure 3-7, "Conveyors - Loadout & Grades". All surface conveyors are covered and equipped with walkways. All conveyors will be used throughout the C.V. Spur operational life.

3.2.6.3 Storm Runoff and Sedimentation Ponds (continued)

Sedimentation Ponds (continued)

by the EPA and Utah Health Department has established the CMP Spillway of pond No. 6 as UPDES Outfall No. 001.

Operational Procedures

Because all sedimentation ponds at the site are incised, it will be necessary to pump discharge all impounded runoff to reestablish the 10 year, 24 hour storm detention volume. The importance of water resources in the Price area is reflected by the installation of return capability from ponds to the prep plant as described in the previous section. A one hundred gallon per minute return flow would require approximately 35 working days to draw down the 10 year, 24 hour storm volume. This would be an extreme case and normal drawdown returns would be 15 working days. Even though delayed reestablishment of necessary storm runoff detention volumes increases the risk of violating effluent limitations should a storm reoccur, the EPA and Utah Health Department have concurred (verbal communication, June 9-10, 1981) that a longer drawdown period resulting in beneficial use of the water resource would be preferred to immediate off-site discharge. **Savage Services Corporation** will constantly assess operational procedures in order to optimize the use of water resources while maintaining compliance with applicable effluent discharge limitations.

Savage Services Corporation will commit to re-establishing the 10 year, 24 hour storm runoff detention volumes in all sediment ponds within 30 days after any storm event which generates enough surface flow to occupy 50% of the design volume.

3.3.4 Loadout System (continued)

Coal Handling

The Savage Coal Terminal has the capability of handling and shipping up to 12 million tons per year. Present projections are for the handling and shipping of 7.0 to 8.0 million tons per year.

3.3.5 Major Equipment

The following list will itemize the equipment presently used at the Savage Coal Terminal.

- 1- 5 truck dumps with receiving hoppers
- 2- 2 coal crushers with screens
- 3- 1 screen plant
- 4- 3 radial stackers
- 5- 2 underpile reclaim systems
- 6- 4 stacking tubes
- 7- Preparation plant with associated screens, crushers, and conveyors (enclosed)
- 8- 2 - 48" reclaim conveyors
- 9- 7 - 36" conveyors
- 10- 2 - 36" mobile conveyors
- 11- 1 - 10,000 ton silo/unit train loadout
- 12- 3 front-end loaders
- 13- 3 dozers
- 14- 1 water truck
- 15- Miscellaneous gas-powered vehicles
- 16- Fuel storage facility (surface)

3.4.5.3 Fish and Wildlife Monitoring

Beaver Creek Coal Company will conduct a wildlife monitoring program as needed throughout the operational life of C.V. Spur. The monitoring program will utilize the services of an environmental specialist and, as necessary, professional consultants to evaluate the ongoing success of operational mitigation measures, ensure that threatened or endangered species and sensitive or critical use areas remain undisturbed by future activities, deal with any unforeseen difficulties which might arise and participate in reclamation efforts upon completion of the project. The Company will promptly report to the regulatory authority the discovery of the presence of any threatened or endangered species or any bald or golden eagle that has not been previously reported.

3.4.6 Protection of Air Quality

The air quality at C.V. Spur will be protected through implementation of control devices such as covered conveyors, water sprays to minimize wind erosion from coal piles and dust in reclaim tunnels, water trucks and chemical dust suppressants to control emissions from unpaved roads and coal piles, silo enclosures, and vibrating feeders for the pile load-in area.

It should be noted that a new Notice of Intention has been filed with the Division of Air Quality, which includes new equipment and structures for the restart of the wash plant at Savage Coal Terminal.

3.4.6.1 Projected Impacts of Mining Operations on Air Quality

Impacts from dust emissions at C.V. Spur will be localized close to the source of emission. Most of the emissions are anticipated to be composed of large-sized particles greater than 10 micrometers, which settle out within a half mile of the emission source. The large particles do not produce any health effects since they are not inhalable or respirable. Since most light scattering is caused by micron-sized particles, little impact on visibility is anticipated from dust emissions from the C.V. Spur processing facilities. Most of the air quality impact from facility emissions, if any, will be generally confined to the plant site.

APPENDIX 3-8

New Preparation Plant Conveyors

**Appendix 3-8
New Preparation Plant
Conveyors**

1. Introduction:

This appendix will provide design details and reclamation cost conveyors associated with the restart of the wash plant.

The new conveyors are: Plant Feed Conveyor, Fine Raw Coal Conveyor and Clean Coal Stacking Conveyor. The Refuse Conveyor is simply a relocation of an existing conveyor. The other new system associated with the plant restart is the new stacking tube and conveyor. These have been approved, and details are given in Appendix 3-7.

2. Specifications:

- a. Plant Feed Conveyor - This is a 36" wide x 233' long conveyor which will feed raw coal into the plant wash box. The conveyor is fed by a chain feeder as shown on Drawing # 0604-2-103. The conveyor structure is supported by bents and 3 concrete footers. Footer details are shown on Drawing # 0604-4-103.
- b. Fine Raw Coal Conveyor - This is a 36" x 200' conveyor which will take the -1/4" x 0 raw coal product from the plant to the main 2" x 0 raw coal site. The -1/4" x 0 size fraction will not be washed in the new system. This conveyor is supported by bents and concrete footers, as shown on Drawing # 0604-2-103. Footer details are shown on Drawing # 0604-4-104.
- c. Refuse Conveyor - This is a relocated existing 36" conveyor. The relocated conveyor will be 101' in length and supported by 1 bent, pier and footer, as shown on Drawing # 0604-2-105. The conveyor discharges into the same, existing bin, as shown. Footer and pier details are shown on Drawing # 0604-4-105.

- d. Clean Coal Stacking Conveyor - This is a portable 36" x 130' radial stacking conveyor. This conveyor will take the washed coal from the plant and place it in a clean coal stockpile located directly north of the plant, as shown on Drawing # 0604-2-100. A new concrete pad and pivot foundation will be constructed for the stacker. Location and foundation specifications are shown on Drawing # 0604-4-100.

3. Reclamation Cost Estimate for New Preparation Plant Conveyors:

A. Introduction :

Reclamation cost estimates for the New Preparation Plant Conveyors are based on those used in Appendix 3-5 - "Reclamation Cost Estimate" dated December 2004. Demolition and Labor costs are based on the latest figures provided by the Division. No additional costs are estimated for earthwork or revegetation for this area, since these costs are included with the overall reclamation estimate in Appendix 3-5.

B. Procedure :

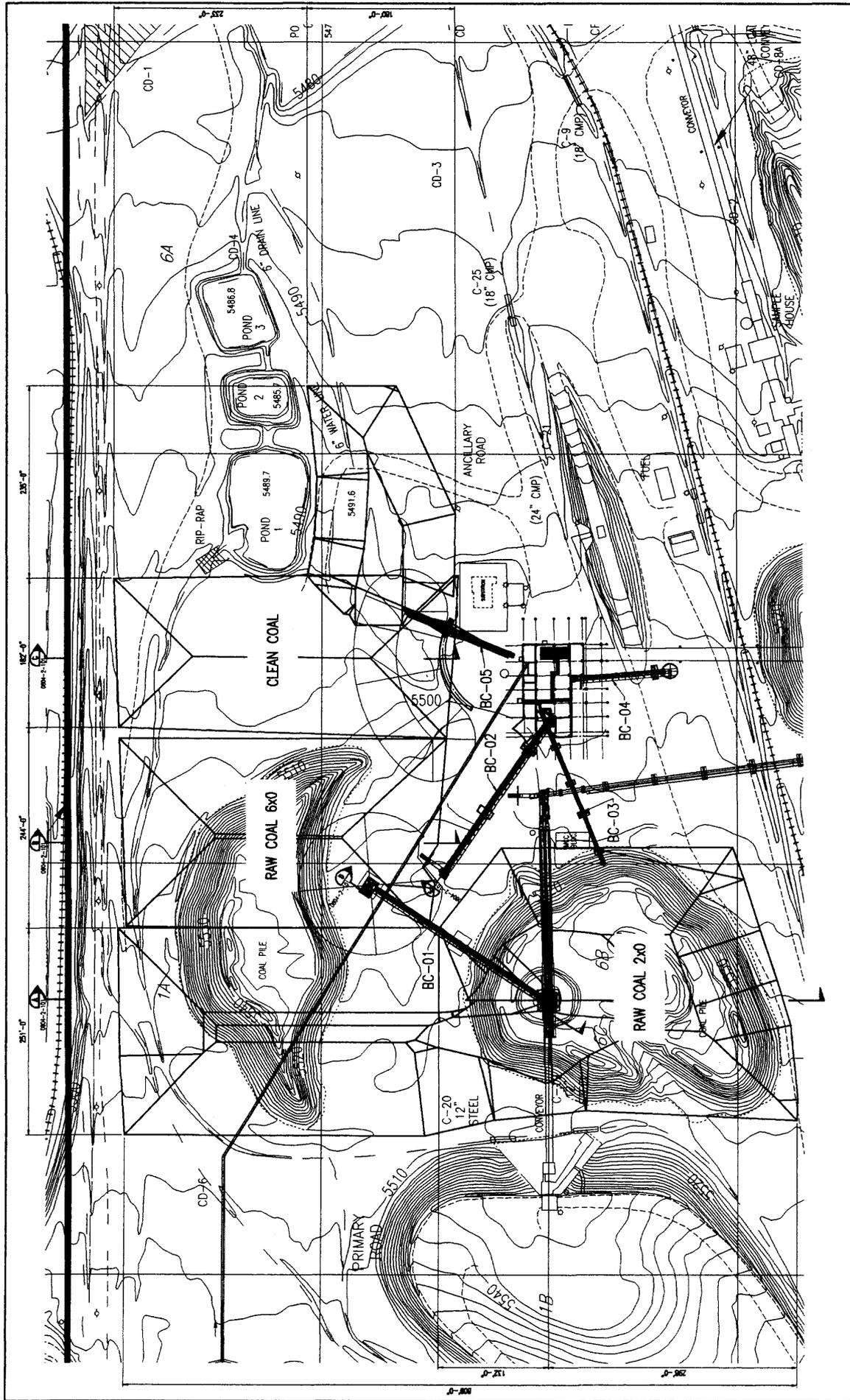
The only additional reclamation costs included on these areas will be the removal of the conveyors and demolition/disposal of the concrete. The proposed reclamation will include removal and transport of steel structures. Concrete will be broken up and placed in the Sediment Pond No. 1, 2 or 3 during final reclamation. The radial stacker is portable, and will simply be hauled off when no longer needed.

C. Calculations :

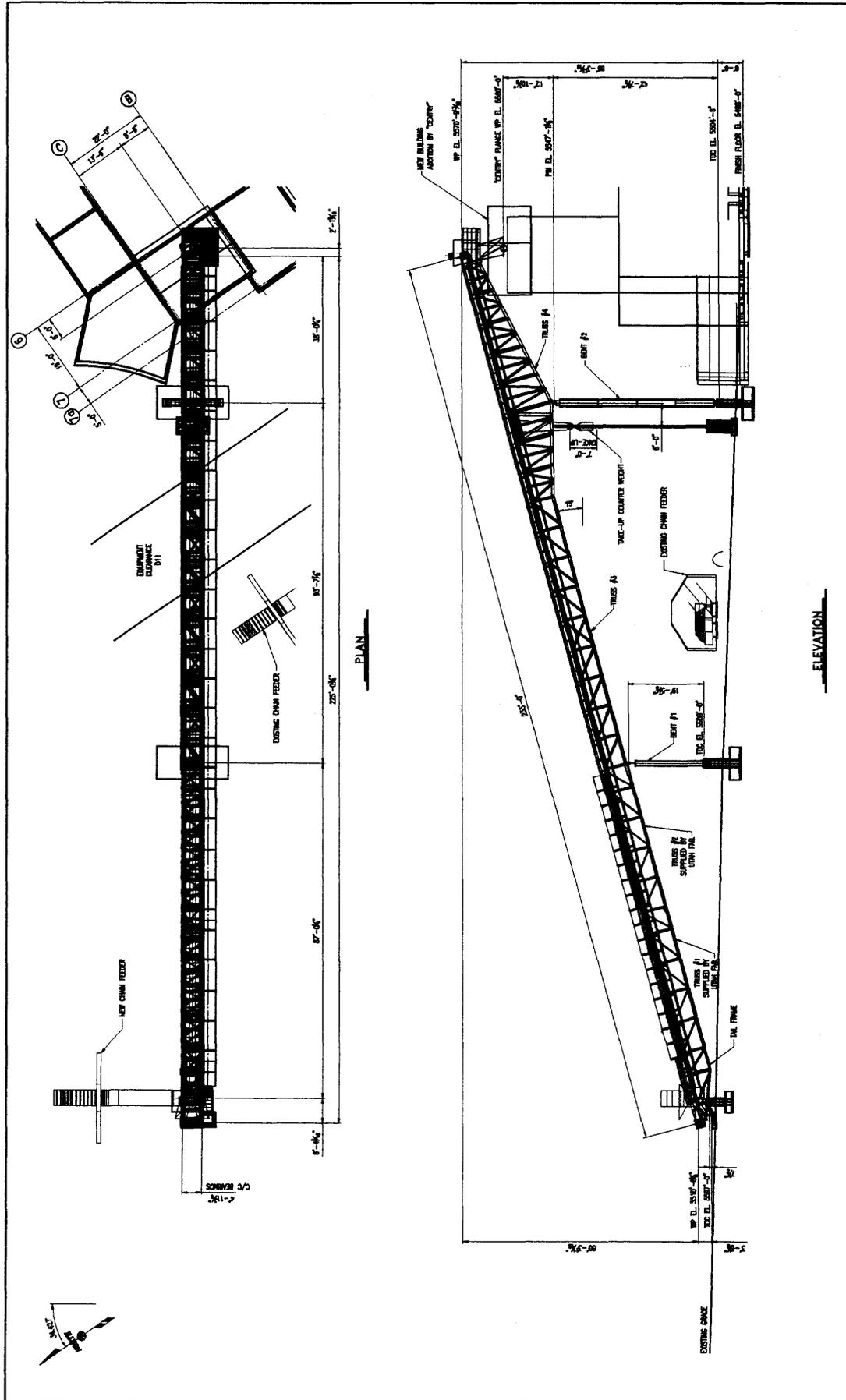
<u>Structure</u>	<u>Item</u>	<u>Size</u>	<u>Disposal</u>	<u>Cost/Unit</u>	<u>Cost</u>
Plant Feed Conveyor	Steel	233'x4'x4'	Haul	\$ 0.25/CF	\$ 932.00
	Concrete	42.6 CY	On-site	\$21.05/CY	\$ 896.73
Fine Raw Coal Conveyor	Steel	200'x4'x4'	Haul	\$ 0.25/CF	\$ 800.00
	Concrete	33.1 CY	On-site	\$21.05/CY	\$ 696.76
Refuse Conveyor	Steel	100'x4'x4'	Haul	\$ 0.25/CF	\$ 400.00
	Concrete	15.3 CY	On-site	\$21.05/CY	\$ 322.07
Stacking Conveyor	Concrete	85.1 CY	Haul	\$21.05/CY	\$1,791.36
	Foreman	48 Hours	On-site	\$55.45/MN	\$2,661.60
					\$8,500.52

D. Summary :

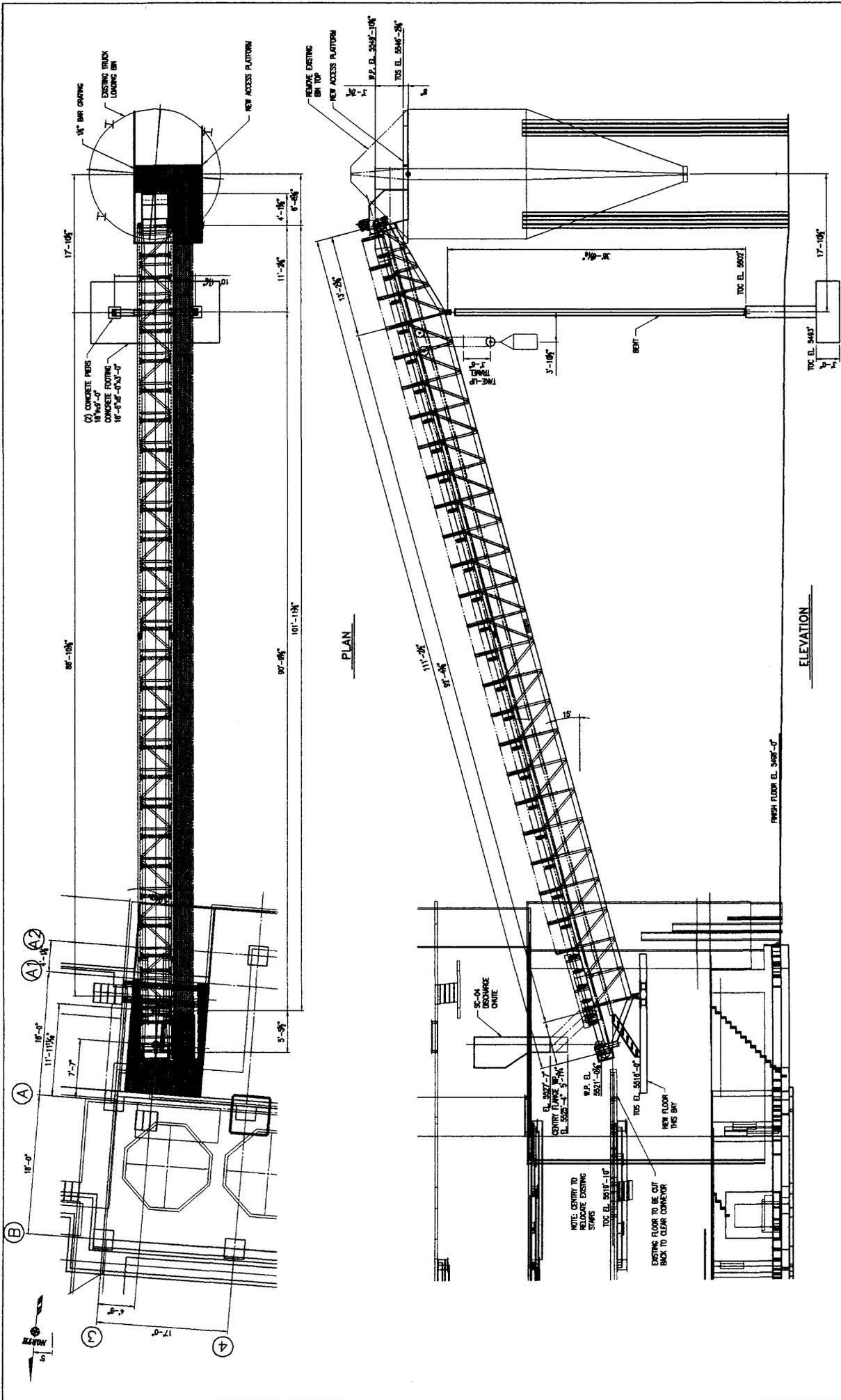
The total projected reclamation cost for the New Preparation Plant Conveyors is \$8,500.52. The Savage Coal Terminal is presently bonded for a total of \$2,525,000 in 2007 dollars. The required bond for reclamation is \$2,155,000. This proposed addition, along with the stacking tube and settling ponds, would raise the required bond amount to \$2,213,549, which is still \$311,451 less than the bond posted for the site.



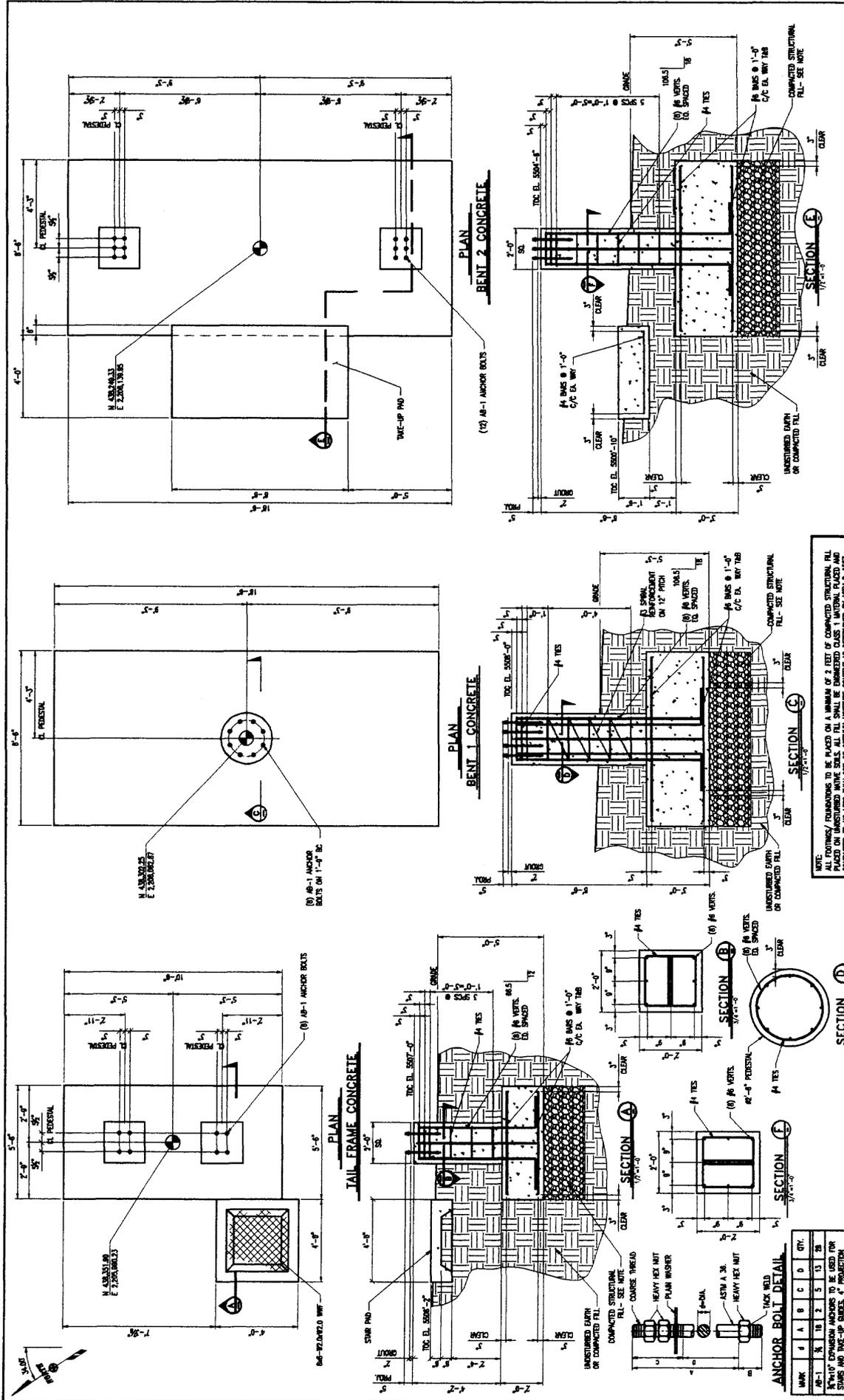
SCALE: 1" = 50'-0" PROJECT NO. 0004 SHEET: 11 OF 12 DRAWING DATE: 06/04-2-100	
ARCH COAL STOCKPILE ARRANGEMENT PLAN	
SAVAGE SERVICES CORPORATION PRICE COAL TERMINAL PRICE UTAH	
Mine & Mill Engineering Inc. Salt Lake City	
APPROVED FOR CONSTRUCTION BY: _____ DATE: _____	DRAWN BY: DC CHECKED BY: DC APPROVED BY: _____ APPROVED: _____
251'-0" 244'-0" 182'-0" 135'-0"	132'-0" 118'-0" 104'-0" 90'-0"



TITLE: 0604-2-103 PROJECT NO. 0604-2-103 DRAWING NO. 0604-2-103 SHEET NO. 0604-2-103	
ARCH COAL CONVEYOR BC-02 PLAN AND ELEVATION	
APPROVED FOR CONSTRUCTION DATE: _____ BY: _____	SAVAGE SERVICES CORPORATION PRICE: \$100,000.00 PRICE: \$100,000.00 PRICE: \$100,000.00 Mine & Mill Engineering Inc. Salt Lake City
DESIGN BY: DS CHECKED BY: DS APPROVED BY: _____ DATE: _____	DRAWN BY: DS DATE: _____



SCALE: 3/16"=1'-0" PROJECT NO. 0804-2-105 DRAWING NO. BC-04 DRAWING DATE: 04-11-06	
ARCH COAL CONVEYOR BC-04 PLAN AND ELEVATION	
SAVAGE SERVICES CORPORATION PRICE COAL TERMINAL PRICE UTAH	
Mine & Mill Engineering Inc. Salt Lake City	
APPROVED FOR CONSTRUCTION BY: _____ DATE: _____	DRAWN BY: DC DESIGNED BY: DC CHECKED BY: _____ APPROVED: _____ DATE: _____
REVISIONS NO. 1 DATE: _____ BY: _____	REVISIONS NO. 1 DATE: _____ BY: _____



NOTE: REINFORCEMENT TO BE PLACED ON A MINIMUM OF 2 FEET OF COMPACTED STRUCTURAL FILL PLACED ON UNDISTURBED NATIVE SOILS. ALL FILL SHALL BE EMERGENCY CLASS 1 MATERIAL, PLACED AND COMPACTED TO NO LESS THAN 95% OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D-1557.

SCALE: PROJECT NO. 060A SHEET NO. 10 DATE: 11/11/55 DRAWING NO. 060A-4-103	
ARCH COAL CONVEYOR BC-02 FOUNDATIONS	
SAVAGE SERVICES CORPORATION PROJECT NO. 1000 PRICE \$1000	
Mine & Mill Engineering Inc. San Jose, Calif.	
DRAWN BY: LF CHECKED BY: WME APPROVED:	DATE: 5-15-55 BY: WME DATE: 5-15-55 APPROVED:
APPROVED FOR CONSTRUCTION	
BY: WME	
DATE: 5-15-55	
ISSUED FOR APPROVAL	
DATE: 5-15-55	

MARK	A	B	C	D	QTY.
AB-1	1/2"	10	2	5	13
REINFORCING ANCHORS TO BE USED FOR ALL TIE-UP BARS, & PRODUCTION REBAR.					

