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CO-OP MINING COMPANY

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May 15, 2006

Coal Program
Utah Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

C/015/0025

To Whom It May Concern,

Re: Application to Change existing Mining Plan, Load-Out Expansion, Bear Canyon Mine, ACT/015/025

Enclosed is 1 hard copy and 4 digital copies of an Appendix detailing the load out expansion as requested by Pete Hess. The digital copies include the entire amendment. The hard copy only includes the appendix being added.

If you have any questions, please call me at (435) 687-5238.

Thank You,

Mark Reynolds, PE

Enclosure(s)

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change ☒ New Permit ☐ Renewal ☐ Exploration ☐ Bond Release ☐ Transfer ☐

Permittee: CO-OP MINING COMPANY
Mine: BEAR CANYON MINE **Permit Number:** ACT/015/025
Title: Load-Out Expansion
Description, Include reason for application and timing required to implement:
To add additional loading lanes to our load-out.

Instructions: If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

☒ Yes ☐ No 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: 0.05 ☒ increase ☐ decrease.
☐ Yes ☒ No 2. Is the application submitted as a result of a Division Order? DO# _____
☐ Yes ☒ No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
☐ Yes ☒ No 4. Does the application include operations in hydrologic basins other than as currently approved?
☐ Yes ☒ No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
☐ Yes ☒ No 6. Does the application require or include public notice publication?
☐ Yes ☒ No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
☐ Yes ☒ No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
☐ Yes ☒ No 9. Is the application submitted as a result of a Violation? NOV # _____
☐ Yes ☒ No 10. Is the application submitted as a result of other laws or regulations or policies?
Explain: _____
☐ Yes ☒ No 11. Does the application affect the surface landowner or change the post mining land use?
☐ Yes ☒ No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
☐ Yes ☒ No 13. Does the application require or include collection and reporting of any baseline information?
☐ Yes ☒ No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
☒ Yes ☐ No 15. Does the application require or include soil removal, storage or placement?
☐ Yes ☒ No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
☒ Yes ☐ No 17. Does the application require or include construction, modification, or removal of surface facilities?
☒ Yes ☐ No 18. Does the application require or include water monitoring, sediment or drainage control measures?
☒ Yes ☐ No 19. Does the application require or include certified designs, maps or calculation?
☐ Yes ☒ No 20. Does the application require or include subsidence control or monitoring?
☒ Yes ☐ No 21. Have reclamation costs for bonding been provided?
☐ Yes ☒ No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
☐ Yes ☒ No 23. Does the application affect permits issued by other agencies or permits issued to other entities?

Please attach four (4) review copies of the application. If the mine is on or adjacent to Forest Service land please submit five (5) copies, thank you. (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Charles Reynolds
Print Name

Charles Reynolds, President 3/22/06
Sign Name, Position, Date

Subscribed and sworn to before me this 22 day of March, 20 06

Mark Reynolds
Notary Public

My commission Expires: June 4, 2006
Attest: State of Utah } ss:
County of Emery

NOTARY PUBLIC
MARK REYNOLDS
41 NORTH TRAIL CANYON RD.
PO BOX 1245
HUNTINGTON, UT 84528
MY COMMISSION EXPIRES
JUNE 4, 2006
STATE OF UTAH

For Office Use Only:	Assigned Tracking Number:	Received by Oil, Gas & Mining
		RECEIVED MAY 18 2006 DIV. OF OIL, GAS & MINING

Form DOGM- C1 (Revised March 12, 2002)

APPLICATION FOR COAL PERMIT PROCESSING
Detailed Schedule Of Changes to the Mining And Reclamation Plan

Permittee: CO-OP MINING COMPANY
Mine: BEAR CANYON MINE **Permit Number:** ACT/015/025
Title: Load-Out Expansion

Provide a detailed listing of all changes to the Mining and Reclamation Plan, which is required as a result of this proposed permit application. Individually list all maps and drawings that are added, replaced, or removed from the plan. Include changes to the table of contents, section of the plan, or other information as needed to specifically locate, identify and revise the existing Mining and Reclamation Plan. Include page, section and drawing number as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIAL TO BE CHANGED
☐ Add	☒ Replace	☐ Remove	Pages 2-13, 2-34, and 2-35 updated topsoil amounts and disturbed area.
☐ Add	☒ Replace	☐ Remove	Plates 2-1A, and 2-3C, expanded load-out area.
☐ Add	☒ Replace	☐ Remove	Pages 5F-5, 5F-6, 5I-6, 5I-14, 5I-61. Modified descriptions of roads and volume balances.
☐ Add	☒ Replace	☐ Remove	Pages 5I-19 to 5I-23. Updated X-sections
☐ Add	☒ Replace	☐ Remove	Plates 5-2C, and 5-2D. Expanded loadout and updated ditches and culverts.
☐ Add	☒ Replace	☐ Remove	Pages 7-109, 7-112 to 7-17. Modified watersheds, ditches, and culverts.
☐ Add	☒ Replace	☐ Remove	Pages 7G-3, 4, 6, 7, 9, 10, and 21 through 29. Recalculated watershed run-off.
☐ Add	☒ Replace	☐ Remove	Pages 7G-49, 51, 61, 98, and 99. Recalculated culvert sizes.
☐ Add	☒ Replace	☐ Remove	Pages 7G-108, 109, 124, 125, 126, 142 through 149, 156, 157, and 158. Recalculated ditch size.
☐ Add	☒ Replace	☐ Remove	Plates 7-1C, 7-1D, and 7-5. Modified watersheds, ditches, and culverts. Expanded the load-out area.
☐ Add	☒ Replace	☐ Remove	Pages 8-3, 5, and 7. Updated the Bond.
☒ Add	☐ Replace	☐ Remove	Appendix 5Q (Added a discription of the load out construction).
☐ Add	☒ Replace	☐ Remove	Page 5-vii added appendix 5Q
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Any other specific or special instruction required for insertion of this proposal into the Mining and Reclamation Plan.	**Received by Oil, Gas & Mining**
	MAY 18 2006

TABLE OF CONTENTS (Continued)

CHAPTER 5 ENGINEERING

LIST OF APPENDICES

APPENDIX 5Q

LOAD-OUT EXPANSION

The construction of the load-out expansion will take place in five steps. The steps are

1. Remove old culverts
2. Install the small retaining wall next to the creek.
3. Earthwork
4. Install the large retaining wall next to the coal pad.
5. Install new culverts
6. Install concrete loading pads
7. Install Road
8. Extend the belts
9. Install Sampling Station.

Figure 1 shows a plan view of the area. Below is a detailed description of each of the steps. The construction may not follow the steps exactly. Some steps may be performed currently or out of order depending on time restrictions or the need to keep the load-out operational.

Removal of old culverts

In this step a Kamatsu Track-hoe will be used to remove culverts C-4D, and C-5D. The trenches created will then be filled with road-base and ditch D-3D will be extended across the old location of C-5D forming a dirt water bar across the shop access road.

Install small retaining wall.

A silt fence will be installed approximately 5 ft. outside of the existing road edge next to the stream. A Track-hoe will then be used to make a 2 ft. wide by 2 ft. deep ledge approximately 3-4 ft. outside of the existing road edge. 2 'X 2' X 6' pre-cast retaining wall blocks will then be assembled along the ledge. Soil and road base will be laid between the retaining wall and the existing road. The top of the retaining wall will act as a guard rail. This wall will run the length of the load-out (540 ft.).

Earth work

This will start with 500 cu. yd. of material, mostly substitute topsoil, be cut from the side of the coal storage pad and being hauled to TS-7 to be used in the reclamation process. An additional 400 cu.

yd. will be moved across the road to fill in the gap between the small retaining wall and the existing road. The material will be cut from the south east corner of the coal storage pad. Ditch D-3D will be moved up against new pad cut.

Install large retaining wall

The wall will be constructed of 4' X 3' X 8' pre-cast retaining wall blocks. The wall will be 150' long and will range from 3' to 12' high. A drawing of the retaining wall is shown as figure 2. The wall will be located below the south east corner of the pad and is shown on figure 1.

Install new culverts

Trenches for the new culverts will be dug with a Track-hoe The culverts will then be placed in the trenches and C-4D will be backfilled. On C-5D at fives places spaced evenly along the culvert a 2.5 channel will be cut out of the top half of the culvert. At each of the notches, concert forms will be built under the culvert and coming up along the outside of the culvert. A 21" X 21" X 30" concert box will then be poured. A metal grate will be installed across the top of the concert box (see figure 3). At the outlet of C-5D a velocity arrestor will be constructed. This will be a concrete wall that the water will hit head on and the flow around. Road base will then be placed around and above the culvert. Ditch D-5D will be removed during this step and flow will be directed into Ditch D-3D.

Install concert loading pad

Three concrete pads 84' long by 12' wide be built under each of the loading hoppers to act as wear strips for the semis to stop on. The pad will start 22' in front of the loading point and extend 62' behind it. The pads will be 12" thick and will have two layers of rebar at 18" o.c. both directions. These pads will not need to be reclaimed since the will be covered by fill during reclamation.

Install road

4" of asphalt will be laid over the areas of the old and new culverts, and over the new road areas on both the right and left side of the existing road. 1 1/2" of super pave will then be laid over the entire load-out area. The road will be 75' wide creating three 20' wide lanes and one 15' wide lane. The two 20' lanes on the west side will be used for loading lanes and then will merge into 1 outlet lane. The third 20' lane will be used as an entrance lane for the trucks. The 15' lane will be and the east side and will be used for mine traffic. The 15' and 20' lanes on the east side start as one lane and then split as the enter the load-out area. Figure 1 shows a plan view of the roads. Ditch D-3D will be removed during this step.

Extend Belts

The current load-out has five conveyor belts coming out of the pad. The first three belts load bug dust for power plants, the fourth belt is not being used and the fifth belts loads oiled slack for residential use. The second belt has a cross-over belt that connects it to the first belts loading point.

Construction will begin with the removal of the cross-over belt between the first and second belt and with the removal of the fourth belt that is not being used. Nothing will be done with the fifth (oil slack) belt. The first second and third belts will be extended 2', 3', and 8' respectively. Figure 4 shows a typical cross-section. The second belt will load in the most western lane (lane 1) and the first and third belts will load in lane 2 (see figure 1).

Install sampling station

A small crusher will be placed on the coal storage pad above the location of the old fourth belt (removed). A drop tube will come off of the crusher with a splitter in it. One side will go down into a sampling bag and the other side will go into a waste pile. A small concrete pad will be built under the waste pile. Coal will be carried to the crusher by hand in buckets or with a bobcat.

Figure 1

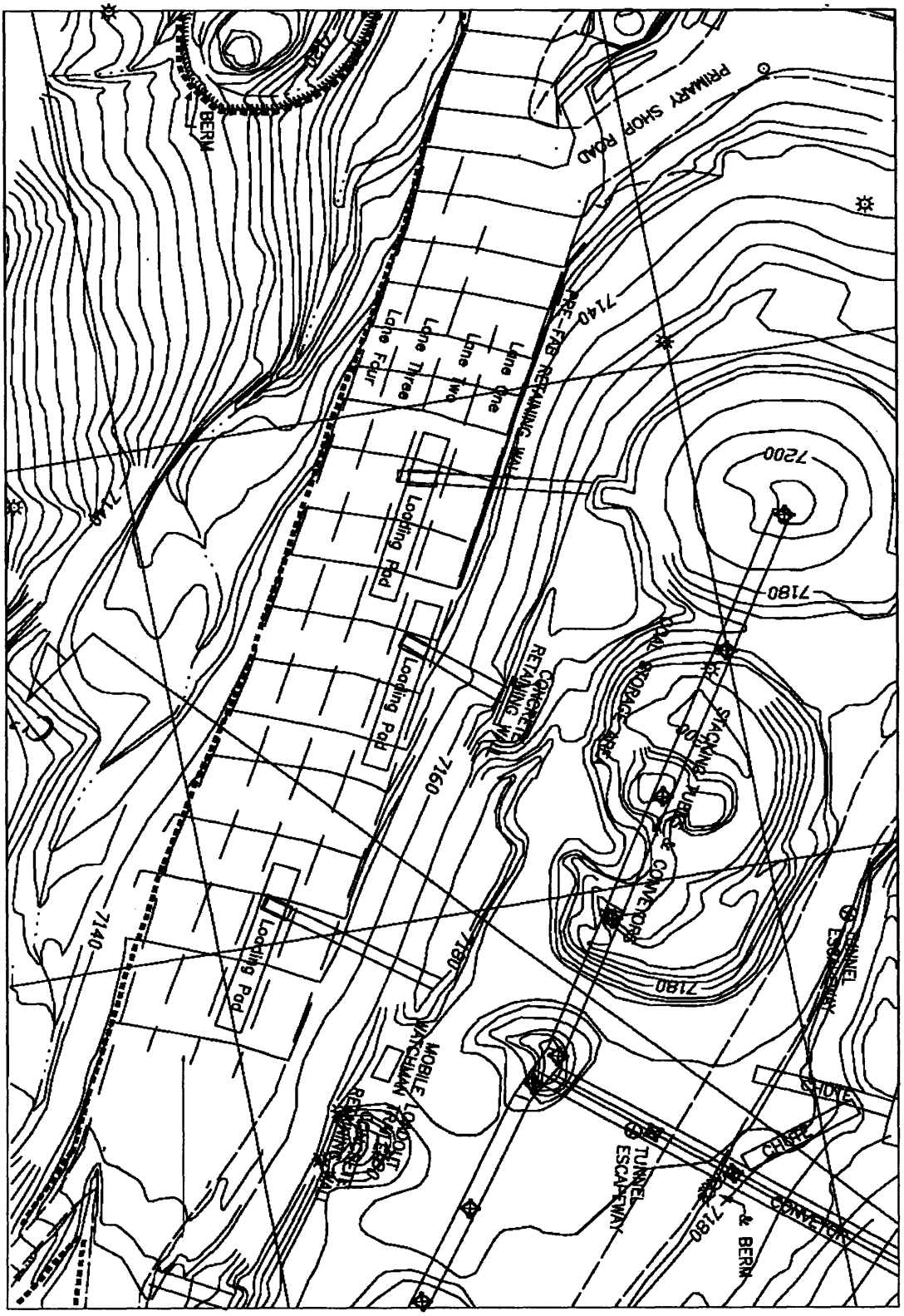

BERM
7120
PRIMARY SHOP ROAD
7140
PRE-FAB RETAINING WALL
Lane One
Lane Two
Lane Three
Lane Four
7200
7180
Loading Pad
Loading Pad
Loading Pad
CONCRETE RETAINING WALL
7160
PARKING AREA
CONVEYOR
7140
7180
7180
TUNNEL ESCAPEWAY
MOBILE MAINTENANCE
TUNNEL ESCAPEWAY
CHUTE
CONVEYOR
7180
BERM

Figure 2

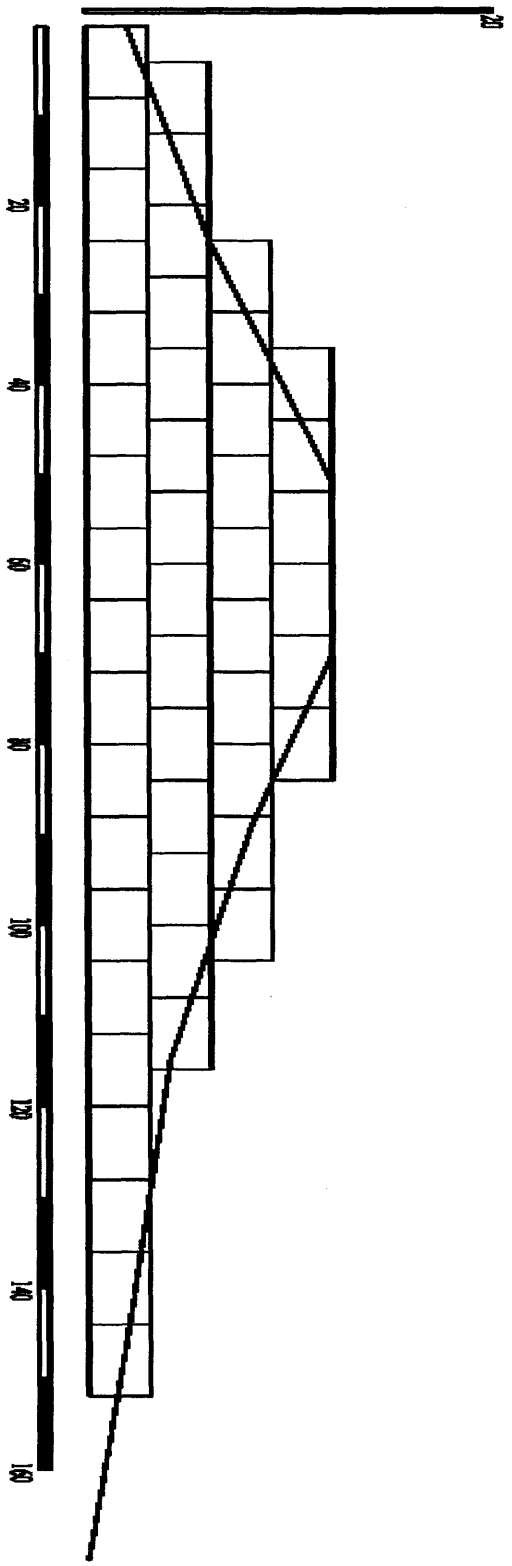


Figure 3

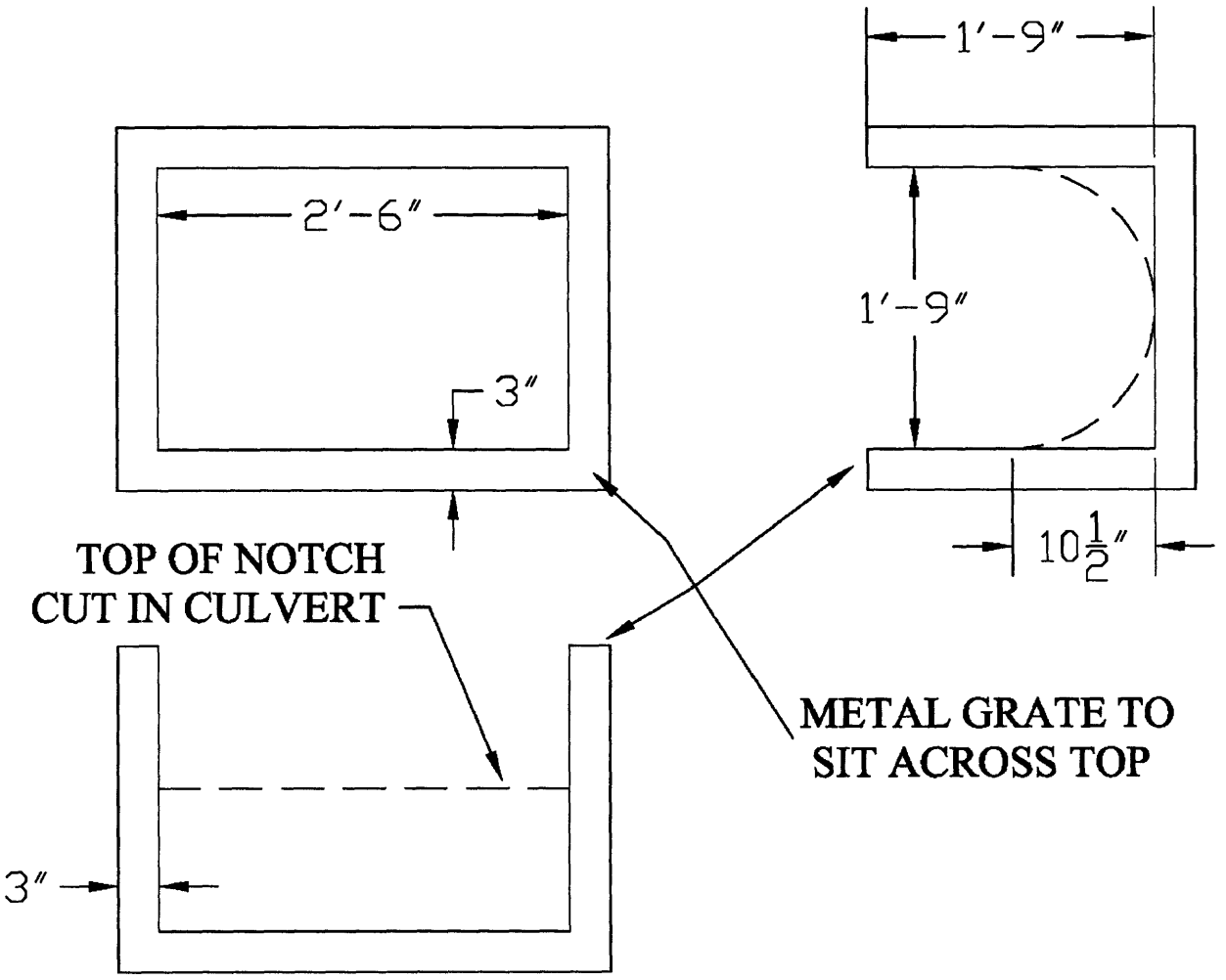
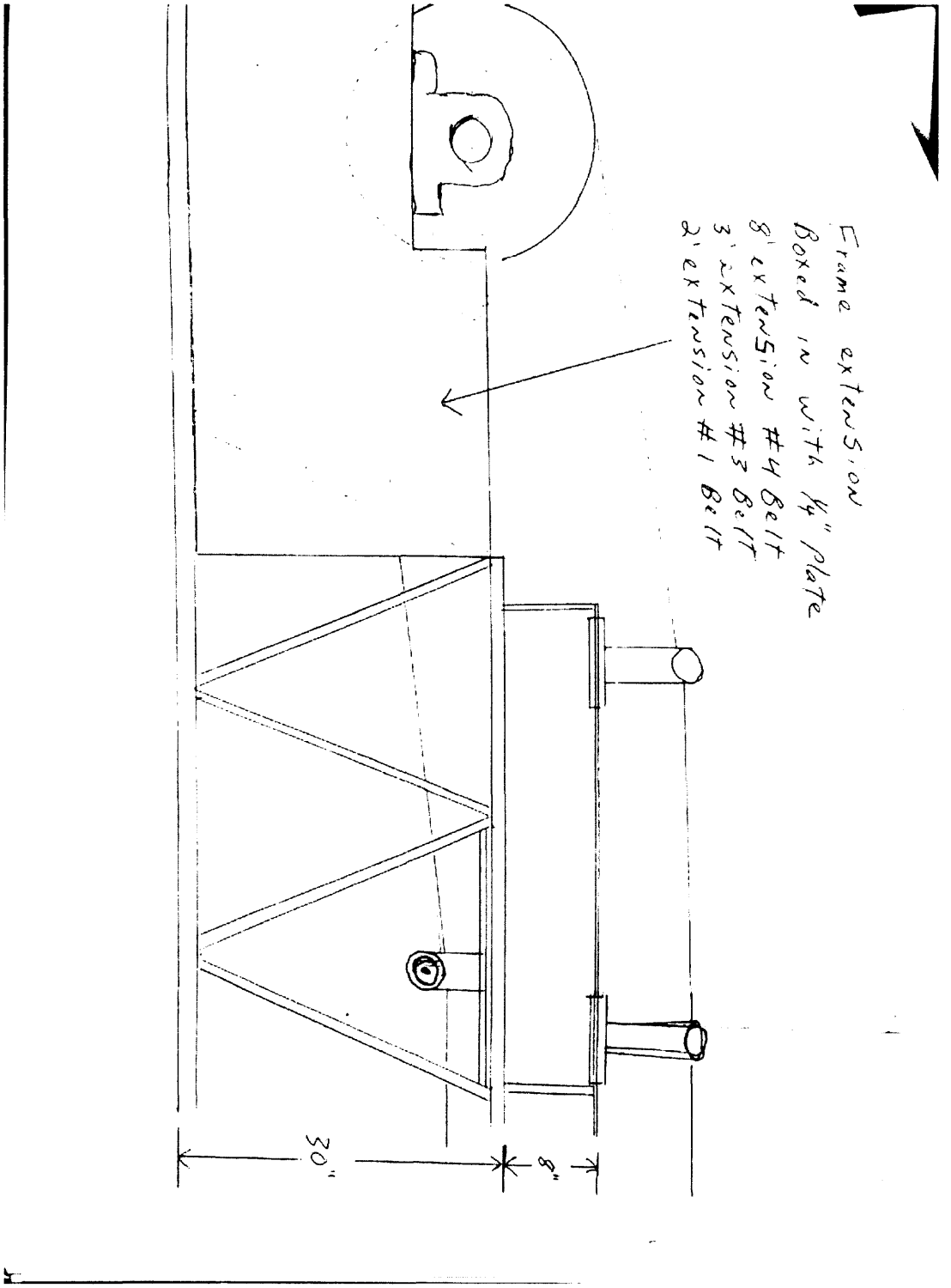

1′-9″
2′-6″
1′-9″
3″
TOP OF NOTCH
CUT IN CULVERT
10½″
METAL GRATE TO
SIT ACROSS TOP
3″

Figure 4


Frame extension
Boxed in with ¼" plate
8' extension #4 Belt
3' extension #3 Belt
2' extension #1 Belt
30"
8"