

# TRACKING FORM

## I. KEY FEATURES OF PERMITTEE'S AMENDMENT APPLICATION

Permittee <b>Savage Industries</b>	Mine Name <b>Savage Coal Term.</b>	Amendment # <b>ACT/007/022-96B</b>	Date Received / By <b>6-20-96 delivered</b>
Proposal: <b>By-Pass Conveyor</b>			
Description: <b>to construct a by-pass conveyor from the main plant feed belt to a 225 Ton Bin or alternatively, to the stacking tube conveyors</b>			

## II. AMENDMENT CLASSIFICATION

<input type="checkbox"/> Major Amendment	Public Notice Required	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<input checked="" type="checkbox"/> Minor Amendment	Outside of Permit Area	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	Outside of Disturbed Area	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

## III. SUMMARY OF DOGM PROCESSING DATES

Reviews Completed		FOLLOWUP REQUIREMENTS		
Approved Effective	<b>7/2/96</b>	MRP "After Const" Documents	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Disapproved	<b>N/A</b>	TA	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Mailed	<b>7/9/96</b>	CHIA	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Filed MRP - SLO		Responds Within 15 days of Receipt? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, explain below.		

## IV. COORDINATED REVIEWS

EXTERNAL AGENCIES (Mine Specific) <small>(Adverse Comments, if Any, Include in Item V)</small>	DOGM REVIEWS/DISCIPLINES			
	COPY SENT	CONTACTED		
OSM	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	Generalists	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
BLM	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	<b>N/A</b> INTERDISCIPLINARY APPROACH	
US Forest Service	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Administrative	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
US Fish & Wildlife	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Biology	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
US National Parks	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Engineering	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
UT Environmental Quality	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Geology	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
UT Wildlife Resources	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Hydrology	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
UT State History	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Soils	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
UT Water Rights	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Permitting	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
UT SITLA	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Other	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
Other <b>Carbon County Bldg Dept</b>	<input type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> C <input type="checkbox"/> N/A		

## V. FOOTNOTES/ADDITIONAL EXPLANATION AS NECESSARY

DEQ Marv Maxwell was contacted and briefed on the scope of the amendment.

He stated that it appeared that the air quality conditions at the Savage Coal Terminal would be improved with the beltline addition.



**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

July 3, 1996

Boyd Rhodes  
Savage Industries Inc  
PO Box 587  
Wellington, Utah 84542

RE: By-Pass Conveyor, Savage Coal Terminal, Savage Industries, Inc., ACT/007/022-96B, Folder #3, Carbon County, Utah

Dear Mr. Rhodes:

This approves ACT/007/022-96B for installing a by-pass conveyor at your coal preparation plant.

The amendment is approved effective July 2, 1996. The approval is based on your application and findings cited below.

Followup Action By Permittee

Since the project involves on the ground installation, please submit within 30 days after construction the following:

- Certified updated Surface Facilities Map, Plate 3-2, (R645-301-521.164)

Project Description

The key features of this amendment are as follows:

- (1) Includes the installation of a by-pass conveyor. The conveyor will be used to transport coal from the feed stockpile and place it directly into trucks or to the stacking tube conveyor.
- (2) When completed, this project will continue to limit the coal loading, transporting, and unloading by front end loader on this segment of the operation.



### Analysis

This project, from both environmental and an operational standpoint, will improve the conveyance, coal storage, and reduce coal and fugitive dust.

### Findings

- (1) **AMENDMENT APPLICATION.** The applicant, Savage Industries, Inc., has submitted a complete and accurate amendment application in conformance with the coal rules (R645-301-150).
- (2) **DOGM PERMIT STATUS.** The by-pass conveyor area lies within the current permit area.
- (3) **ACTIVE MINE.** The area is included in an active approved coal mining and reclamation operation and is within the disturbed area.
- (4) **LAND STATUS.** The surface estate is patented and controlled by Savage Industries, Inc.
- (5) **OTHER APPROVAL/COORDINATION.** This amendment has been coordinated with other responsible agencies. Carbon County has approved a building permit. The design documents submitted with the building permit are included herein as part and parcel of the approved amendment. (R645-301-526.220). The documents carry the stamp of a licensed certified structural engineer.

The amendment has been coordinated with DEQ, Air Quality, SLC. Furthermore, the permittee has submitted a Notice of Intent to DEQ incorporating necessary changes.

- (6) **IMPACTS.** The instant project does not have an adverse impact on the hydrologic balance, nor does it involve a critical habitat area. The amended coal handling will aide in minimizing the air movement of coal fines.

The runoff from the project area involved in this amendment flows into an existing disturbed diversion and thence to sediment pond #6.

- (7) **RECORD UPDATE.** The current Technical Analysis does not discuss existing truck dump and coal conveyor; therefore, for this and other reasons the Technical Analysis does not need to be updated.

Page 3  
B. Rhodes/Savage  
By-Pass Conveyor-96B  
July 3, 1996

- (8) **RECLAMATION AND BONDING.** The existing reclamation plan and surety bonding are adequate as determined by the undersigned. (R645-301-820/830).

The current surety bond is \$2,728,178.00. This includes a 10% contingency. After approval, the remaining contingency is \$265,690.00.

The current reclamation plan on removing and reclaiming coal handling facilities is adequate. The operator estimates, and concurred by the undersigned, the demolition and material removal will cost about \$3,505.08. The balance of the reclamation is currently covered in the existing reclamation plan and bond.

Sincerely,



Wm. J. Malencik  
Reclamation Specialist

sd

Enclosures

cc: Mark Page, State Eng, Price, w/o enc  
Marvin Maxell, Air Quality, SLC, w/o enc  
Bill Bates, DWR, Price, w/o enc  
Paige Beville, ARCO, Denver  
Joe Helfrich, DOGM, SLC  
Pam Grubaugh-Littig, DOGM, SLC, w/o enc

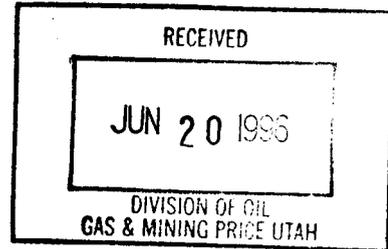


**Savage**

Savage Coal Terminal  
2025 E. 5000 S.  
Price, Utah 84501  
(801) 637-5664

June 13, 1996  
qub  
#2

Mr. William Malencik  
Utah Division of Oil, Gas & Mining  
451 East 400 North  
Price, Utah 84501



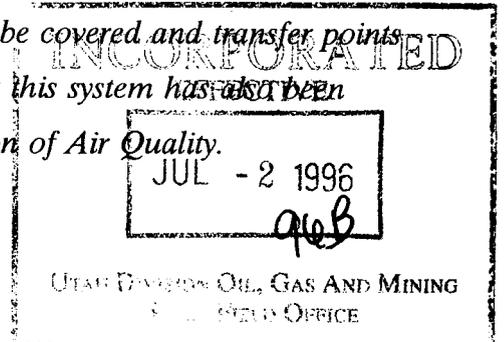
Re: Proposed Amendment  
By-Pass Conveyor  
Savage Coal Terminal  
ACT/007/022  
Carbon County, Utah

Dear Mr. Malencik:

Enclosed are 8 copies of a proposed amendment to the Savage Coal Terminal M.R.P. The proposal is to construct a by-pass conveyor from the main plant feed belt to a 225 Ton Bin or alteratively, to the stacking tube conveyors.

The proposed system will consist of the addition of approximately 220' of 36" conveyor, structure, concrete footers, and a 225 Ton Steel Bin for truck loading. This system will allow coal to be recovered from the plant feed stockpile, and place it directly in trucks or onto the stacking tube conveyors without going through the preparation plant. The additional conveyor will be located just west/southwest of the plant, as shown on Plate 3-2.

The proposed location is within the disturbed area; therefore, no topsoil will be removed. The addition will also not require any change to the drainage system on site. A minor amount of excavation will be necessary to pour the required concrete footings for the structure. This addition is expected to have a positive effect on air quality, since this coal is presently being transferred by loaders. The conveyor will also be covered and transfer points will be enclosed to protect air quality. It should be noted that this system has ~~not~~ been included in the Notice of Intent, recently filed with the Division of Air Quality.



*A bond estimate for reclamation of this system has also been completed (See Appendix 3-2). The estimate shows the expected reclamation cost to be approximately \$3621.73. The present bond for the facility is \$2,728,178.00 and includes a 10% contingency of \$272,818.00. The recently approved Truck Dump/Conveyor amendment reclamation cost was estimated at \$3505.48. If the present proposal reclamation cost is added to the truck dump/conveyor amendment cost, the total reclamation cost is \$7127.21, reducing the bond contingency to \$265,690.79; therefore, there should be no need to increase the bond on the facility to cover this amendment.*

*Required permit change forms are enclosed. All maps and pages are numbered, and should replace corresponding items or be added, as designated.*

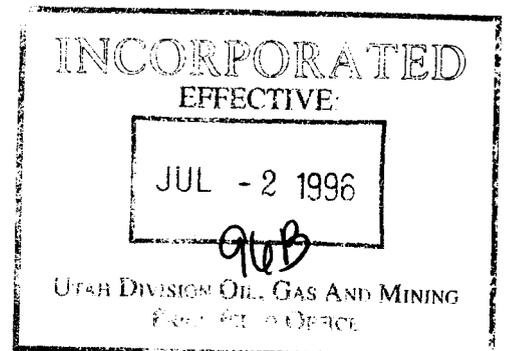
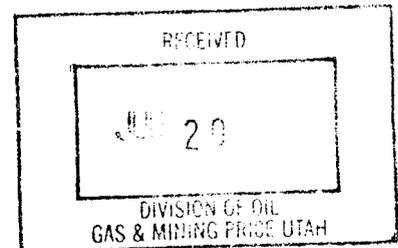
*Savage Industries, Inc. has applied for a building permit for this project. A copy of the permit is enclosed. If you have any questions, or need any further information, please contact me or Dan Guy.*

*Sincerely,*



*Boyd Rhodes,  
Manager*

cc: *Jim Sauls - Savage  
Dan Guy - Blackhawk Engineering  
Paige Beville - ARCO  
File*



# APPLICATION FOR PERMIT CHANGE

Title of Change: BYPASS CONVEYOR / LOADOUT BIN

Permit Number: ACT 007 1022

Mine: SAVAGE COAL TERMINAL

Permittee: SAVAGE INDUSTRIES

Description, include reason for change and timing required to implement:

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.               |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.            |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 4. Will permit change include operations in hydrologic basins other than currently approved?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?                                  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 6. Does permit change require or include public notice publication?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 7. Permit change as a result of a Violation? Violation # _____   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 8. Permit change as a result of a Division Order? D.O.# _____  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 9. Permit change as a result of other laws or regulations? Explain: _____  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 10. Does permit change require or include ownership, control, right-of-entry, or compliance information?                                 |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 11. Does the permit change affect the surface landowner or change the post mining land use?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 12. Does permit change require or include collection and reporting of any baseline information?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?                                |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 14. Does permit change require or include soil removal, storage or placement?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 15. Does permit change require or include vegetation monitoring, removal or revegetation activities?                                     |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 16. Does permit change require or include construction, modification, or removal of surface facilities?                                  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 17. Does permit change require or include water monitoring, sediment or drainage control measures?                                       |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 18. Does permit change require or include certified designs, maps, or calculations?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 19. Does permit change require or include underground design or mine sequence and timing?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 20. Does permit change require or include subsidence control or monitoring?  |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?                                  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?                           |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area? |

INCORPORATED  
 EFFECTIVE:  
 JUL - 2 1996

Attach 8 complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

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.


6/18/96  
 Signed - Name - Position - Date

Subscribed and sworn to before me this 18 day of June, 19 96  
DANA BALLARD  
 Notary Public  
 My Commission Expires: 9-27-97, 19 97  
 Attest: STATE OF UTAH  
 COUNTY OF CARBON

  
**DANA BALLARD**  
 NOTARY PUBLIC - STATE OF UTAH  
 865 EAST 2800 SOUTH  
 PRICE, UTAH 84501  
 COMM. EXP. 9-27-97

Received by Oil, Gas & Mining  

JUN 20 1996  
 DIVISION OF OIL  
 GAS & MINING PRICE UTAH

ASSIGNED PERMIT CHANGE NUMBER  
96B



# PERMIT CHANGE CHRONOLOGY

Title of Proposal: *BYPASS CONVEYOR / LOADOUT BIN*

PERMIT NUMBER: *ACT/007/022*

Description:

PERMIT CHANGE #:

PERMITTEE: *SAVAGE INDUSTRIES*

MINE NAME: *SAVAGE COAL TERMINAL*

DATE

DOCUMENT ALL ACTIVITIES ASSOCIATED WITH THIS PERMIT CHANGE

Sent  Recv'd.

Initial Application for Permit Change Received from Permittee

Sent  Recv'd.

RECEIVED  
JUN 20 1996  
 DIVISION OF OIL  
 GAS & MINING PRICE UTAH

INCORPORATED  
 EFFECTIVE:  
*geb* JUL - 2 1996  
 UTAH DIVISION OIL, GAS AND MINING  
 FIELD OFFICE

# Carbon County

# BUILDING PERMIT

No.: 4738 Issued: 6-14-96

THIS RECORD OF INSPECTIONS TO BE KEPT VISIBLE ON JOB SITE  
UNTIL ALL REQUIRED INSPECTIONS ARE COMPLETE.

Address: 2025 E. 5000 S.

Owner/Contractor: SAVAGE

REQUIRED INSPECTIONS:  
U.B.C. Section 108

DATE:

APPROVED BY:

	REQUIRED INSPECTIONS: U.B.C. Section 108	DATE:	APPROVED BY:
1	<b>FOUNDATION INSPECTION:</b> Footings, Walls, Slabs		
2	<b>CONCRETE SLAB OR UNDER FLOOR INSPECTION:</b> Building Service, Conduit, Piping, Prior to Concrete		
3	<b>FRAME INSPECTION:</b>		
4	<b>LATH AND/OR GYPSUM BOARD INSPECTION:</b> Prior to Taping		
5	<b>FINAL INSPECTION:</b> For Occupancy		

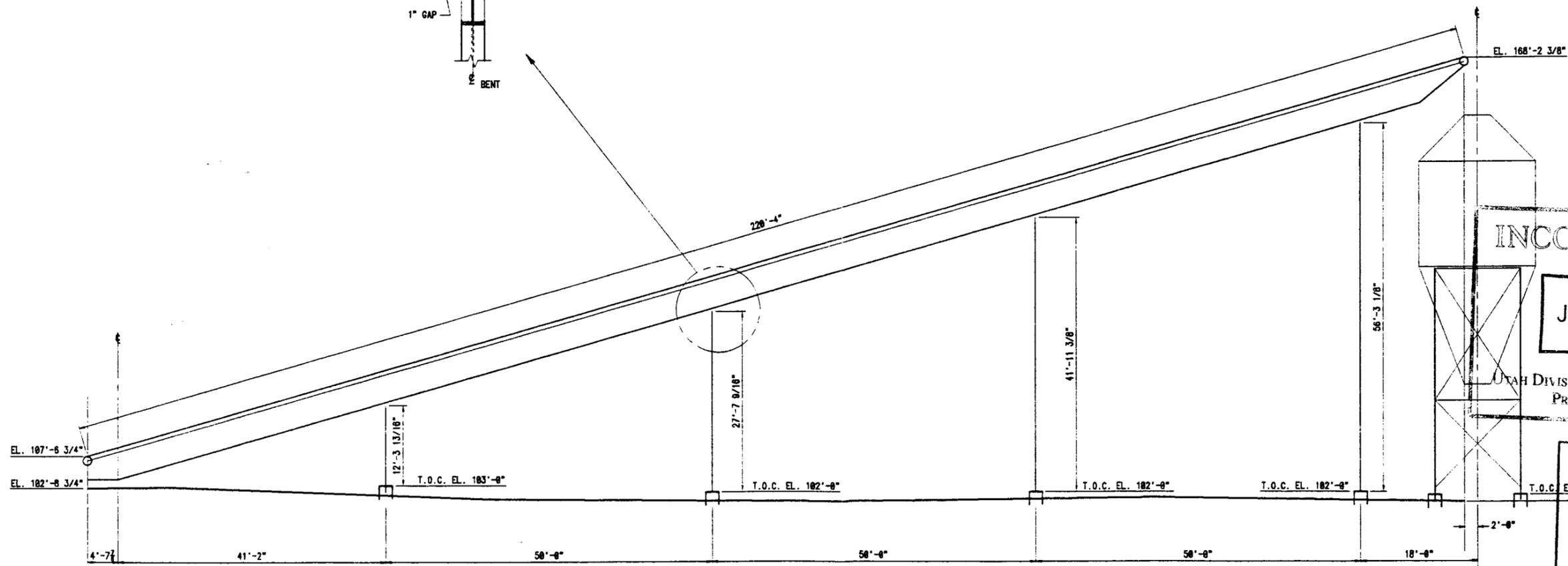
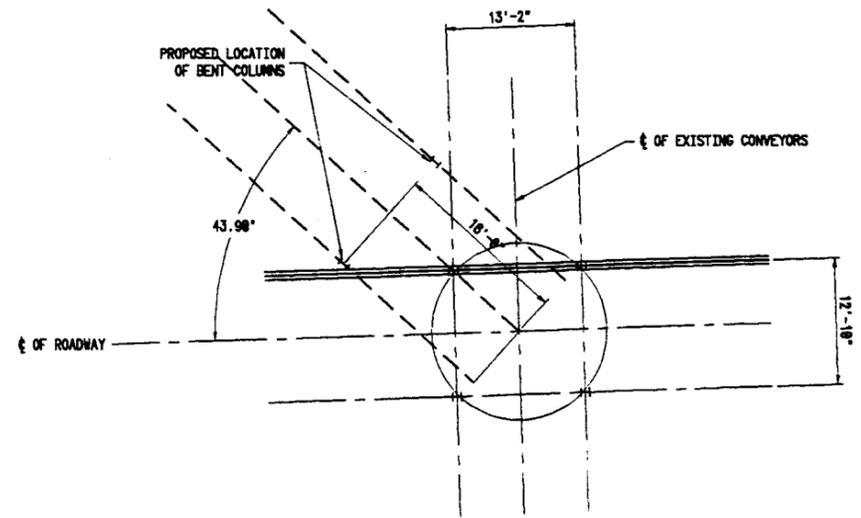
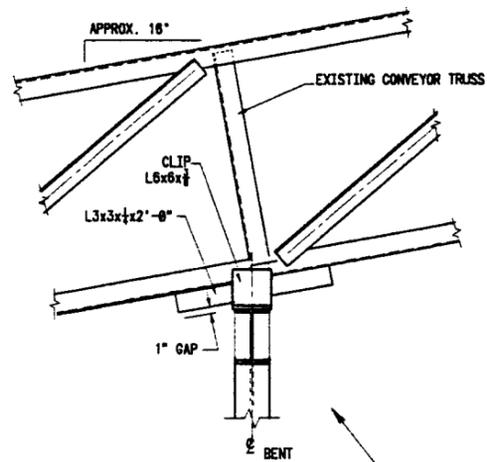
SPECIAL INSPECTIONS:  
U.B.C. Sec. 108.6

INCORPORATED  
EFFECTIVE:  
*alwB*  
JUL - 2 1996  
DIVISION OF OIL, GAS AND MINING  
FIELD OFFICE

RECEIVED  
JUL 20  
DIVISION OF OIL  
GAS & MINING PROLE UTAH

For inspections call: 636-3260

## 24 Hour Notice Required



INCORPORATED  
EFFECTIVE:  
JUL - 2 1996  
UTAH DIVISION OIL, GAS AND MINING  
PRICE FIELD OFFICE

RECEIVED  
JUN 20 1996  
DIVISION OF OIL  
GAS & MINING PRICE UTAH

PLATE 3-2C

NO.	DATE	REVISION	BY	APPROV.

DESIGN \_\_\_\_\_  
DRAWN \_\_\_\_\_  
CHECK \_\_\_\_\_  
APPROVED \_\_\_\_\_

SAVAGE INDUSTRIES  
WASH PLANT BY-PASS/SILO LOADOUT SYSTEM  
WELLINGTON, UTAH

**RSM**  
R & M ENGINEERING CONSULTANTS  
SALT LAKE CITY, UTAH  
(801) 263-3419

CONVEYOR PROFILE

DATE: _____
R & M NO. _____
SCALE _____
DWG. NO. _____
REV. _____



# FOOTING SCHEDULE

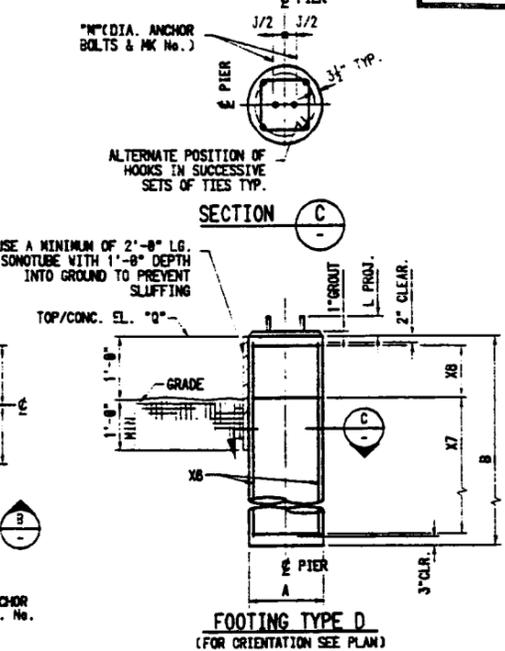
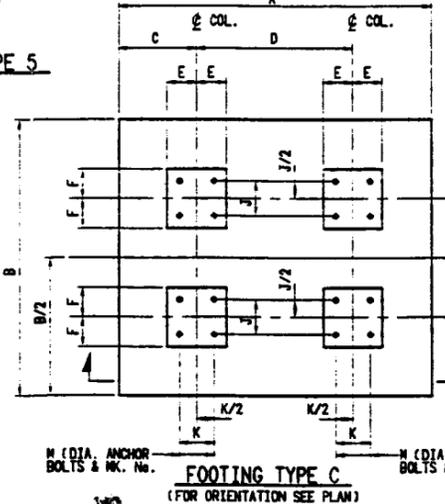
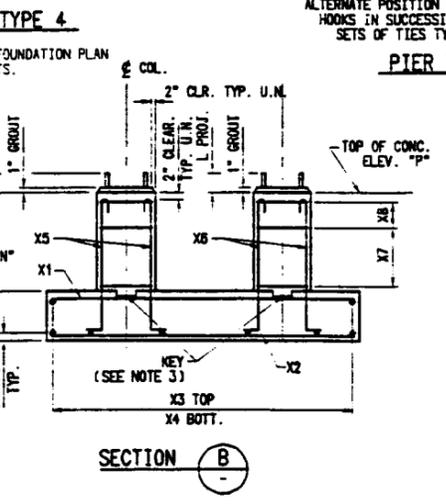
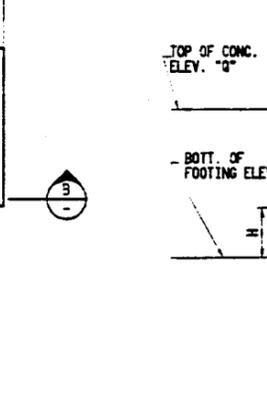
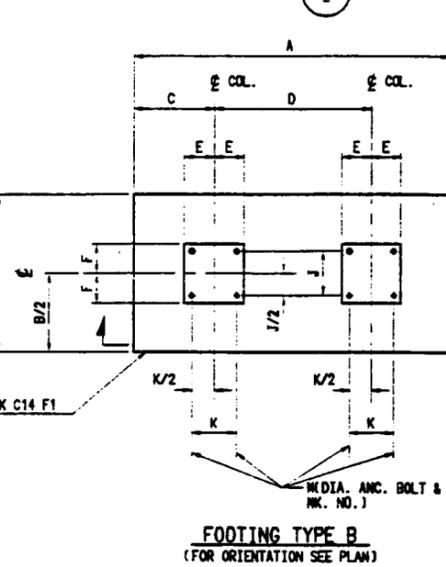
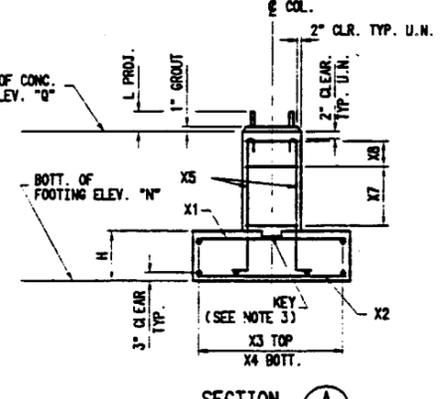
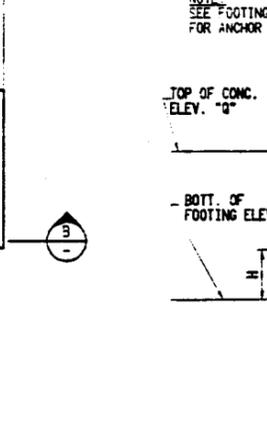
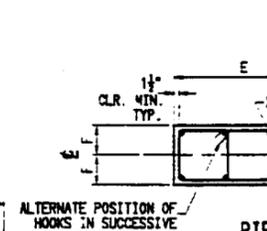
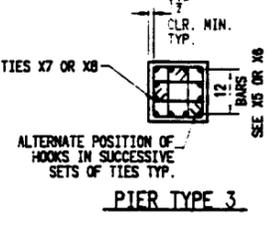
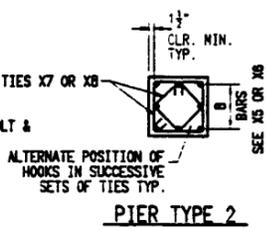
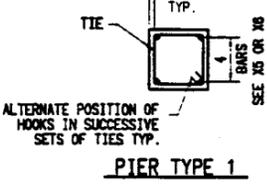
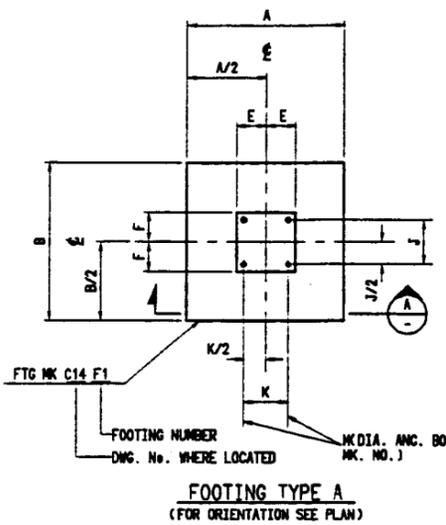
FTG. MK.	FTG. TYPE	LOCATION OR DWG. NO.	CONCRETE EST. VOL. (C. Y.)	CONCRETE DIMENSIONS												ANCHOR BOLTS					ELEVATIONS			REINFORCING STEEL								REMARKS	MADE BY	CHK'D BY
				A	B	C	D	E	F	G	H	I	J	K	L	M (PER PIER)	N	P	Q	X <sub>1</sub>	X <sub>2</sub>	X <sub>3</sub>	X <sub>4</sub>	X <sub>5</sub>	X <sub>6</sub>	X <sub>7</sub>	X <sub>8</sub>							
1 0 MK C1 F1	B	C-1		18'-0"	15'-0"	2'-0"	14'-0"	0'-9"	0'-9"	-	1'-4"	2	SEE EMBEDDED PLATE		90'-0"	102'-0"	102'-0"	95 0 12"	95 0 12"	95 0 12"	95 0 12"	0-44	0-44	94 0 10"	3 04 0 3"		NLB							
1 0 MK C1 F2	B	C-1		15'-0"	15'-0"	2'-0"	11'-0"	0'-9"	0'-9"	-	1'-0"	2	SEE EMBEDDED PLATE		90'-0"	102'-0"	102'-0"	95 0 12"	95 0 12"	95 0 12"	95 0 12"	0-44	0-44	94 0 10"	3 04 0 3"		NLB							
1 0 MK C1 F3	B	C-1		13'-4"	4'-8"	2'-0"	9'-4"	0'-9"	0'-9"	-	1'-0"	2	SEE EMBEDDED PLATE		90'-0"	102'-0"	102'-0"	95 0 12"	95 0 12"	95 0 12"	95 0 12"	0-44	0-44	94 0 10"	3 04 0 3"		NLB							
1 0 MK C1 F4	B	C-1		18'-0"	4'-8"	2'-0"	6'-8"	0'-9"	0'-9"	-	1'-0"	2	SEE EMBEDDED PLATE		90'-0"	103'-0"	103'-0"	95 0 12"	95 0 12"	95 0 12"	95 0 12"	0-44	0-44	94 0 10"	3 04 0 3"		NLB							
1 0 MK C1 F5	C	C-1		28'-0"	28'-0"	7'-5"	13'-2"	0'-9"	0'-9"	0'-5"	1'-4"	2	SEE EMBEDDED PLATE		97'-0"	101'-0"	101'-0"	96 0 12"	96 0 12"	96 0 12"	96 0 12"	0-67	0-67	94 0 10"	3 04 0 3"		NLB							

NOTE: NO ANCHOR BOLTS ON THIS PROJECT  
SEE EMBEDDED PLATE DETAIL DWG C-1

INCORPORATED  
EFFECTIVE:  
JUL - 2 1996  
UTAH DIVISION OIL, GAS AND MINING  
PRICE FIELD OFFICE

RECEIVED  
JUN 20 1996  
DIVISION OF OIL  
GAS & MINING PRICE UTAH

- NOTES:
- FOR GENERAL NOTES SEE SPECIFICATIONS.
  - FOR ANCHOR BOLT SCHEDULE SEE DWG. C-1.
  - ALL KEYS SHALL BE 4"x4"x2" FOR PIER TYPES 1, 2, 3, 5 AND 2x6xCONT. FOR PIER TYPE 4.
  - ALL DOWELS TO HAVE STANDARD HOOKS PER A.C.I. 318 LATEST EDITION.
  - ALL CLEARANCES 2" MIN. UNLESS NOTED.
  - FOOTING MARK No. (EXAMPLE)  
2 0 C3 F1  
FOOTING No.  
DWG. No. WHERE LOCATED  
No. REQ'D
  - VERTICAL DOWELS ON FOOTING TYPE A, B, & C TO HAVE 180° HOOK @ ANCHOR BOLT LOCATIONS PER A.C.I. 318 LATEST EDITION.



DESIGN	MRO
DRAWN	LT
CHECK	
APPROVED	

SAVAGE INDUSTRIES  
WASH PLANT BY-PASS/SILO LOADOUT SYSTEM  
WELLINGTON, UTAH

RSM  
RSM ENGINEERING CONSULTANTS  
SALT LAKE CITY, UTAH  
(801) 283-3419

FOOTING SCHEDULE  
PLAN & ELEVATION DETAILS

DATE	5-8-96
R & #	9638
SCALE	NTS
DWG. NO.	REV.
C-2	0