




COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Una Pit	MINE/PROSPECTING ID#: M-1980-080	MINERAL: Sand and gravel	COUNTY: Garfield
INSPECTION TYPE: Monitoring	INSPECTOR(S): Dustin M. Czapla	INSP. DATE: November 15, 2011	INSP. TIME: 10:00
OPERATOR: Grand Junction Concrete Pipe Co.	OPERATOR REPRESENTATIVE: Ivan Geer	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$223,894.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: November 21, 2011

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

1. INSPECTION TOPIC: Financial Warranty

PROBLEM/POSSIBLE VIOLATION: Problem: The financial warranty is not adequate to reclaim the site in accordance with the approved reclamation plan. This is a failure to maintain the proper financial warranty amount to complete reclamation of the affected lands pursuant to C.R.S. 34-32.5-117(4)(b) of the Act.

CORRECTIVE ACTIONS: The operator shall submit adequate financial warranty, as determined by the Division. The Division will be sending a separate surety increase notice to the operator regarding the increase of the financial warranty. The operator will have 60 days from the date on the surety increase notice to post the additional financial warranty.

CORRECTIVE ACTION DUE DATE: 1/20/12

2. INSPECTION TOPIC: Gen. Compliance With Mine Plan

PROBLEM/POSSIBLE VIOLATION: Problem: The current mine plan needs to be updated and clarified pursuant to C.R.S. 34-32.5-112 (1)(c)(VI). The operator must provide sufficient information to describe or identify how the operator intends to conduct the operation.

CORRECTIVE ACTIONS: The operator shall submit a Technical Revision, with the required \$216 revision fee, to update and clarify the current approved mine plan to reflect existing and proposed activities by the corrective action date.

CORRECTIVE ACTION DUE DATE: 1/20/12

OBSERVATIONS

This inspection was conducted as part of the Division of Reclamation, Mining and Safety's (Division) normal monitoring program. Ivan Geer, representing the Operator, was present during this inspection. Photographs are included at the end of this report in order to illustrate some of the conditions observed during this inspection.

The Una Pit is located approximately 4.5 miles southwest of Parachute and accessed from CR300. The site is a 112c operation that includes a total of 162.1 permitted acres. The Division currently holds a financial warranty amount of \$223,894.00 for this site. The Division has reviewed the reclamation costs for this site and determined that the current financial warranty amount held is insufficient.

Adequate mine identification signage was noted at the entrance to the site in accordance with Rule 3.1.12(1).

The affected area was marked by fencing that was clearly visible and adequate to delineate the affected area boundary in accordance with Rule 3.1.12(1).

Two scales and two mobile scale houses were located near the site entrance at the west end of the property. Aggregate materials stockpiles were observed at various locations in the west and central parts of the permit area. Equipment, supplies, and refuse observed on site was stored in a manner that controls unsightliness and the deleterious effects of any refuse.

Fuel stored on site was adequately contained by two 10,000 gallon mobile containers, one located near the processing area and another located near the wash plant in the southwest portion of the permit area.

The current mining and reclamation plan for this site, which was updated in 1993 through TR1, calls for mining the site in 10 acre phases progressing northeasterly from the 14.4 acre pond located in the southwest portion of the permit area. Final reclamation is to result in a single lake with an island located in the northeast portion of the lake. The additional disturbance was to include a 21 acre plant and stockpile area located west of the lake. A Substitute Water Supply Plan, approved through SI2 in September 2010, limits the lake to a maximum size of 62 acres.

It was noted during this inspection that two additional ponds have been created north of the older pond. Only a portion of the smaller pond, approximately located at 39.397742°, -108.102696°, appears to fall within the mining area established through TR1. The larger pond lies partly within and north of the plant and stockpile area and does not appear to fall within the mining area established through TR1. This pond is approximately located at 39.399440°, -108.103371°. Slopes constructed around the three ponds did appear stable. It appears though, that the Mine Plan and/or Reclamation Plan will need to be revised in order for the operation to be compliant.

Some tamarisk was observed along the banks of the three ponds. The Operator incorporated a Noxious Weed Management Plan into the permit in June, 2005, through TR2. Staff strongly encourages the Operator to remain diligent in implementing noxious weed control measures at the site.

The active area of mining observed during this inspection was focused in the northeast portion of the site. Much of the highwall slopes outside of the active area of mining had been reclaimed to 3H:1V.

No other problems or violations were noted during this inspection.

Responses to this inspection report should be directed to Dustin Czapla at the Division of Reclamation, Mining and Safety, Grand Junction Field Office, 101 South 3rd Street, Room 301, Grand Junction, Colorado 81501, phone number (970) 243-6299.

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>PB</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>PB</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(SB) COMPLETE INSP---- <u>NA</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>Y</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	(ST) STIPULATIONS----- <u>NA</u>

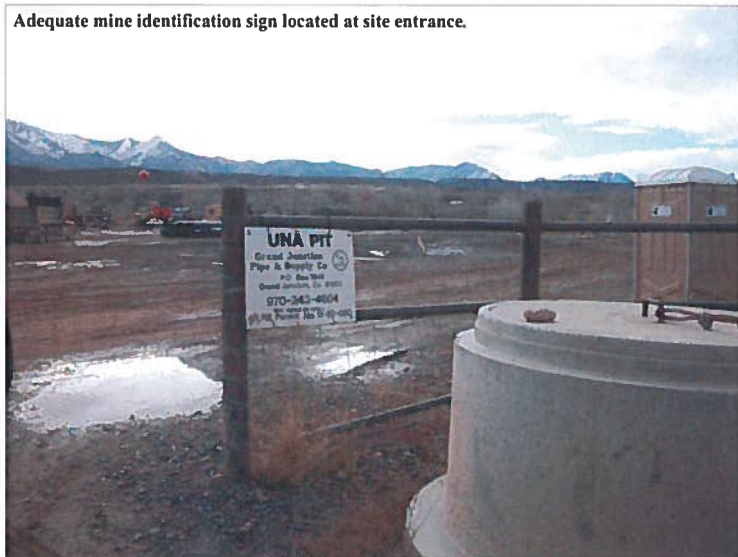
Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

Inspection Contact Address

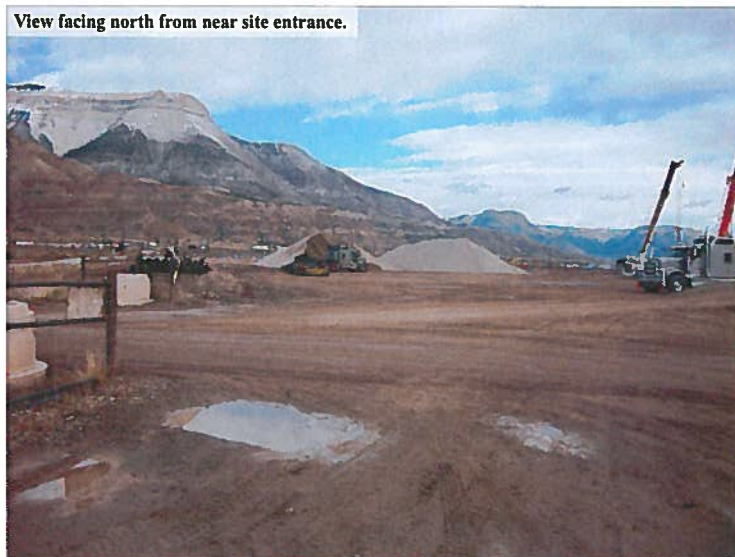
Ivan Geer
Grand Junction Concrete Pipe Co.
P.O. Box 1849
Grand Junction, CO
81502

Enclosure: Technical Revision 1 Operator Submittal dated November 16, 1993

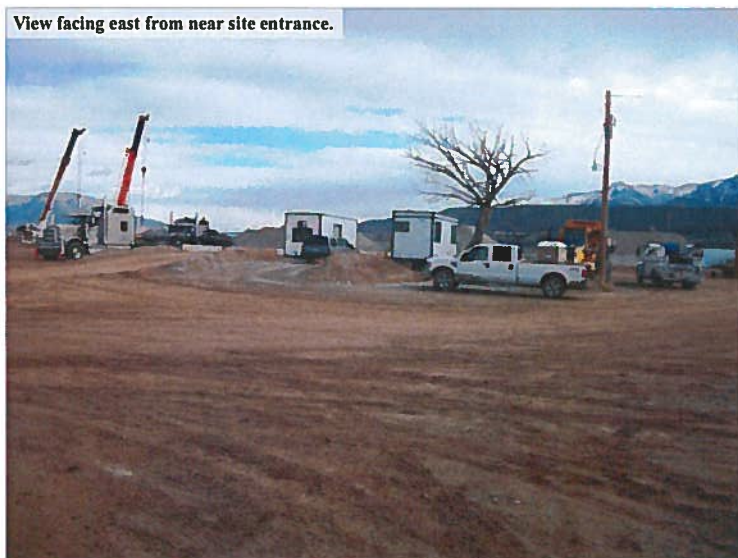
Adequate mine identification sign located at site entrance.



View facing north from near site entrance.



View facing east from near site entrance.



View facing east from near site entrance.



View facing southeast from near site entrance.



View facing west from southeast corner of north pond.



View facing north from southeast corner of north pond.



View toward northeast end of pit. Highwall reclamation was progressing from west to east. Stripping of overburden was occurring in the northeast portion of the pit, progressing easterly.



View toward northeast end of pit. Highwall reclamation was progressing from west to east. Stripping of overburden was occurring in the northeast portion of the pit, progressing easterly.



View facing east toward the island that is to remain in place as part of the approved mining/reclamation plan (TR2). An eagles nest was observed in one of the cottonwoods on the island.



View facing west from north side of island.



View facing west from northeast portion of permit area towards compressor station.



View from southeast corner of pit, facing north toward island.



View from southeast corner of pit, facing northwest.



View from southeast corner of pit, facing west.



View from above discharge pond, facing north toward process area.



View from above discharge pond, facing north toward process area.



View, facing west, of pond located in southwest portion of permit area.



View, facing northwest, of pond located in southwest portion of permit area.



Fuel stored on site contained in 10,000 gallon mobile storage unit.





Grand Junction Pipe & Supply Company

2868 Freeway East • P.O. Box 1849 • Grand Junction, Colorado 81502 • 303/243-4604 • FAX 303/241-6622

November 16, 1993

Mr. Carl B. Mount
Senior Reclamation Specialist
Division of Minerals & Geology
Dept. of Natural Resources
1313 Sherman Street, Room 215
Denver, CO 80203

RECEIVED

NOV 19 1993

TR-001

Directed: Michael L. Cady

RE: Permit No. M-80-080
Una Pit

Dear Mr. Mount:

As you are aware, GJP succeeded the previous operator on June 1, 1993. The present reclamation bond on this pit is \$188,160.00. The area as it now exists consists of a 21 acre stockpile and plant site and a mined area of approximately 21 acres of which 14.4 acres is a pond.

As noted in the Inspection Report dated March 3, 1992 the following items need to be addressed:

1. Remove processed material from site.
2. Topsoil and seed stockpile area.
3. Rework side slopes of lake.
4. Seed existing slopes.
5. Remove structures from site.

The original permit was apparently amended in 1983 to expand the area from 96 to 162 acres.

We are requesting a Technical Revision to accomplish the following:

1. Leave the stockpile area in its original location. This will eliminate the need to disturb additional area and reduce the size of the stockpile site by 4 acres when this area is mined. See Revised Exhibit "C".
2. Revise the Mining Plan reducing the size of the area to be mined from 124 acres to 103 acres. The reason for this is to move the mined area closer to the river reducing the amount of overburden to be removed and leaving a larger buffer zone between adjacent properties. See Revised Exhibit "C".

D 1 7-24-94

AMV - N/D

3. Phase the mining operation into 8 phases of approximately 10 acres each. Mining would start adjacent to the existing pond and proceed in a northeasterly direction. A smaller operation would reduce the size of the area disturbed at any given time thus reducing the amount of the reclamation bond required. See Revised Exhibit "C".
4. Reduce the amount of the reclamation bond from \$188,160.00 to \$78,000.00. This amount was determined by calculating reclamation costs to:

- a. Reclaim the present 21 acre stockpile site.
- b. Reclaim the slopes on the existing pond.
- c. Reclamation costs for a additional 10 acre mining phase.

See Exhibit "L" for the breakdown of the above reclamation costs.

The original reclamation cost of \$188,160.00 was estimated by the Division of Highways based on the entire area being disturbed. Limiting the mining to 10 acre phases will provide an ample supply of gravel, approximately 480,000 tons, to last for several years based on the present market conditions in the area. We believe the Division would be well protected with a \$78,000.00 bond, which provides for reclamation of the previously disturbed areas and an additional 10 acre of mining.

Thank you for your consideration in this matter. Should you have any questions or need additional information, please contact me.

GRAND JUNCTION PIPE & SUPPLY COMPANY

Edward J. Settle
Edward J. Settle, P. E.

EJS/amb

Exhibit "L"

Reclamation Cost
Revision #2 - 11-15-93

Present Pit Area and Stockpile Area

Stockpile Area -

Remove Existing Gravel Piles -	
2500 C. Y. @ 2.50/C. Y. -----	\$ 6,250.00
Replace Topsoil - 20 Ac. @ 6" = 16,133 C. Y.	
16,133 C. Y. @ 1.05/C. Y. -----	\$16,939.65
Soil Preparation -	
20 Acres @ 80.00/Ac. -----	\$ 1,600.00
Fertilizer -	
20 Acres @ 250#/Ac. @ 0.80/Lb. -----	\$ 4,000.00
Seeding -	
20 Acres @ 15#/Ac. @ 20.00/Lb. -----	\$ 6,000.00
	<u>\$34,789.65</u>

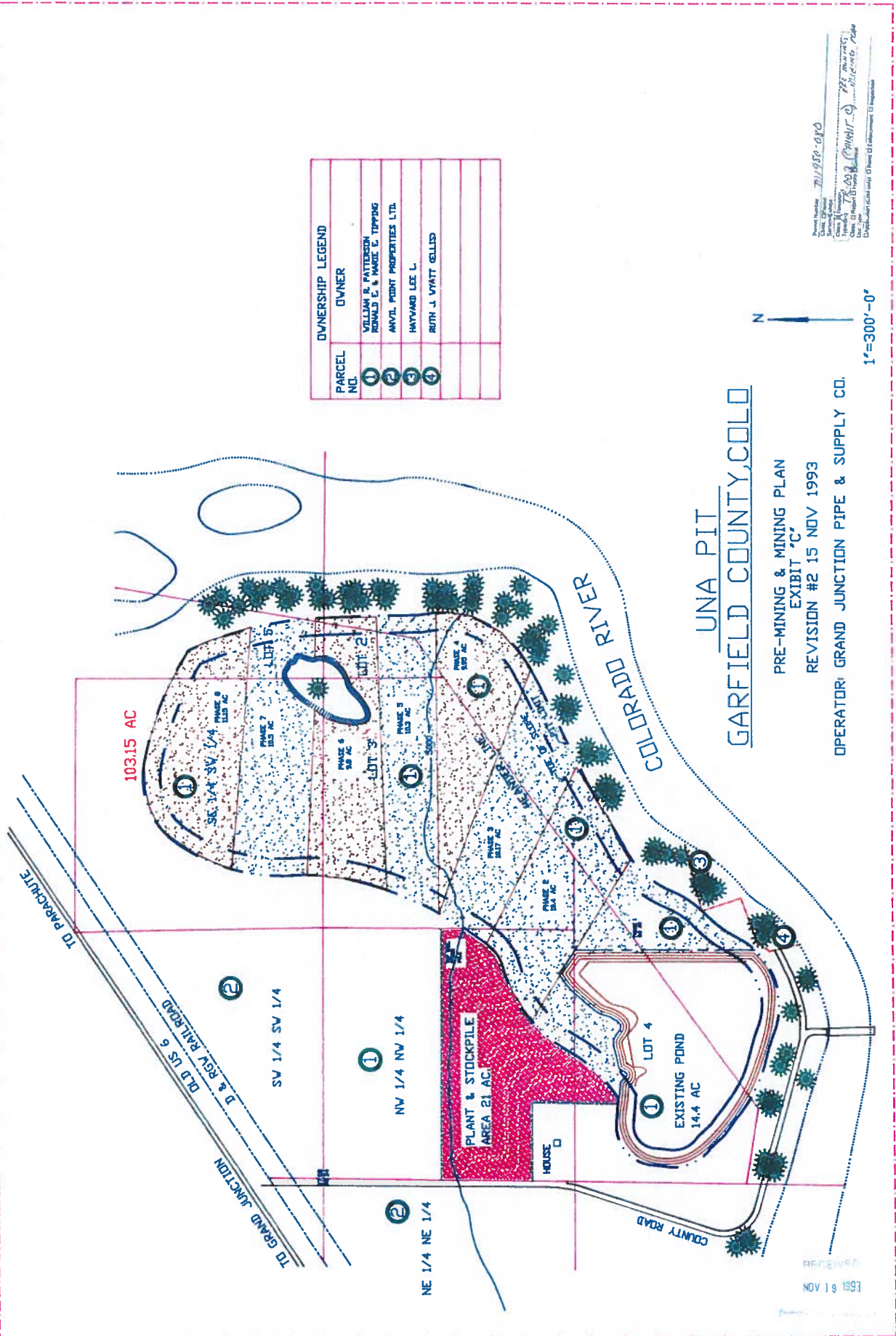
Existing Pond - Flatten 1400 L. F. of Slopes to 3 to 1.

Pump Pond -----	\$ 3,960.00
Reslope - Backhoe and Dozer	
58 Hr. @ 200.00/hr. -----	\$11,600.00
Seed Slopes -	
6.5 Acres @ 750.00/Ac. -----	\$ 4,500.00
	<u>\$20,060.00</u>
Subtotal	<u>\$54,849.65</u>

Reclamation Costs for Additional 10 Acres of Pit

10 Acres of wet pit = 2700' @ 80% = 2160' of slope to Reclaim.	
Pump Pit -----	\$ 2,800.00
Reslope - Backhoe & Dozer	
90 Hr. @ 200.00/hr. -----	\$18,000.00
Seed Slopes	
3 Acres @ 750.00/Ac. -----	\$ 2,250.00
	<u>\$23,050.00</u>
Total Reclamation Costs	<u>\$77,899.65</u>
Say	\$78,000.00

M-1980-080
Tech revision



PARCEL NO.	OWNER
1	WILLIAM R. PATTERSON
2	RONALD C. & MARIE C. TYPING
3	ANVIL POINT PROPERTIES LTD.
4	HAYWARD LEE L.
5	BOTH J. WYATT GILLES
6	
7	
8	
9	
10	

UNA PIT
GARFIELD COUNTY, COLO

PRE-MINING & MINING PLAN
EXHIBIT "C"
REVISION #2 15 NOV 1993
OPERATOR: GRAND JUNCTION PIPE & SUPPLY CO.

Project Number: 711910-080
Client: Grand Junction Pipe & Supply Co.
Drawn by: T. J. Smith
Checked by: T. J. Smith
Date: 11/15/93
Scale: 1" = 300'-0"

1" = 300'-0"

