

GRC05



ROUTE 3 BOX 7  
GALLUP  
NEW MEXICO 87301

CERTIFIED MAIL 7003 3110 0004 1983 3698

June 21, 2005

Mr. Wayne Price  
New Mexico Oil Conservation Division  
1220 South Street Francis Drive  
Santa Fe, NM 87505



PHONE  
505-722-3833  
INTERNET  
WWW.GIANT.COM

Re: Discharge Permit GW-032 Approval Conditions

Enclosed are spreadsheets that meet the requirements of the Giant Ciniza Refinery Discharge Permit GW-032, Discharge Permit Approval Conditions 9. and 8.c. Enclosed as Attachment 1, Giant has developed a spreadsheet that contains all underground process and wastewater lines as required by Condition 9. Each line has an identification number, drawing reference, date installed, test dates, test method, pass/fail/repair information, inspector and investigation results. The alkylation unit which had several lines fail last fall is scheduled for repair/replacement by Rin-chem beginning on June 27. Please see Attachment 2 for the alkylation unit schedule.

Giant plans to complete testing on the crude unit and test the DHT, Isom, SRU, Sats, RR loading, and part of the tank farm in 2005. The remaining units to be tested in 2006 include completion of the tank farm and the boiler unit. This will complete the 5 year cycle for testing all of the units.

Enclosed as Attachment 3, Giant has developed a spreadsheet that contains all single lined underground tanks/sumps/pits as required by Condition 8.c. Each device or system has an identification number, drawing reference, date installed, test dates, test method, pass/fail/repair information, inspector and investigation results. These systems will be tested by the end of July.

If you have any questions regarding this report please contact me at (505) 722-0217.

Sincerely,

Ed Riege  
Environmental Superintendent

C: Ed Rios w/o report  
Joel Quinones  
✓ Hope Monzeglio, NMED Hazardous Waste Bureau

**LIBRARY COPY**

*Giant Ciniza Refinery  
Underground Process and  
Wastewater Lines*

**FLUID CATALYTIC CRACKING UNIT  
UNDERGROUND PIPING PLAN**

# UNDERGROUND PROCESS AND WASTEWATER LINES

## FLUID CATALYTIC CRACKING UNIT UNDERGROUND PIPING PLAN

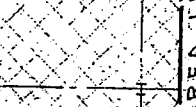
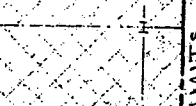
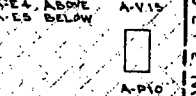
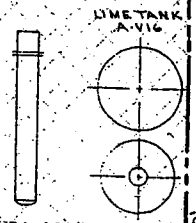
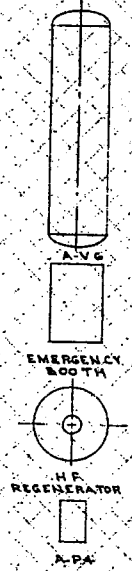
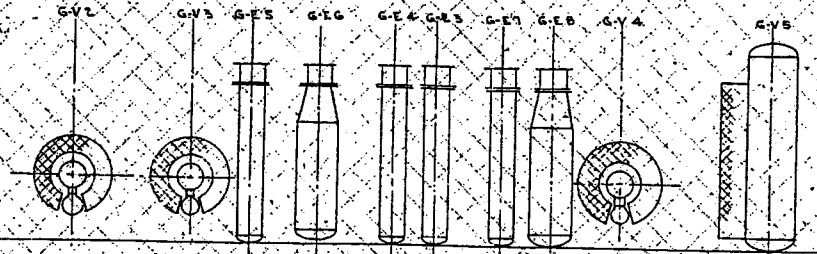
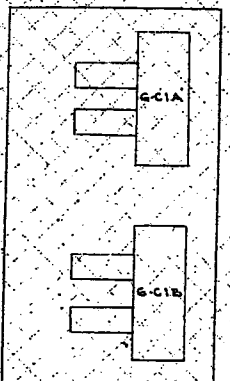
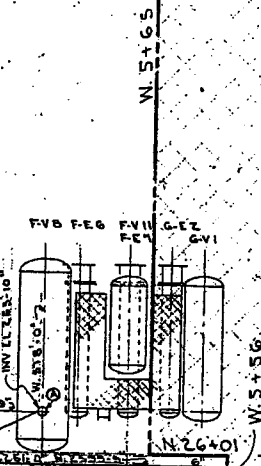
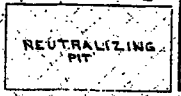
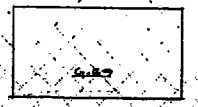
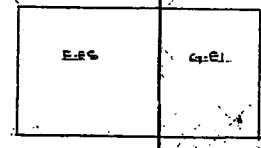
<u>ID Number</u> <u>(Sewer Box or</u> <u>Catch Basin)</u>	<u>Lateral Drains and/or</u> <u>Headers</u>	<u>Date</u> <u>Installed</u>	<u>Drawing</u> <u>Reference</u>	<u>Test</u> <u>Date</u>	<u>Pass/Fail/</u> <u>Repair</u> <u>Information</u>	<u>Test</u> <u>Water</u> <u>Column</u> <u>(Feet)</u>	<u>Test</u> <u>Duration</u> <u>(Minutes)</u>	<u>Signature</u>	<u>Investigation Results</u>
F1	F-E1 To F1	1957	EF-09-102 SH.1	07/31/02	Pass	4	25	B. Loos	
	F-V7 To F1	1957	EF-09-102 SH.1	07/31/02	Pass	4	25	B. Loos	
	F-V5 To F1	1957	EF-09-102 SH.1	07/31/02	Pass	4	25	B. Loos	
F2	F1 Flows W.To F2	1957	EF-09-102 SH.1	07/31/02	Pass	4	25	B. Loos	
	F-P4 To F-P5B To F-P5A To F-P3A To F-P3B To F-P2A To F2	1957	EF-09-102 SH.1	07/31/02	Pass	4	25	B. Loos	
	F-P10A To F-P10B To F- P1B To F-P1A To F-P2B To F2	1957	EF-09-102 SH.1	07/31/02	Pass	4	25	B. Loos	
	F-V6 To F2	1957	EF-09-102 SH.1	07/31/02	Pass	4	25	B. Loos	
F3	F2 Flows W. To F3	1957	EF-09-102 SH.1	07/31/02	Pass	4	25	B. Loos	
	Drain Coordinate N.2557'-0", W.596'-0" To F3	1957	EF-09-102 SH.1	07/31/02	Pass	4	25	B. Loos	
	Drain Coordinate N.2566'-0", W.603'-0" To F3	1957	EF-09-102 SH.1	07/31/02	Pass	4	25	B. Loos	
F4	G4 to F4	1957	EF-09-102 SH.1 & EG-09-102EP	01/11/02	Pass	7	25	B. Loos	
	G-P1B To G-P1A To F-P8 To F-P9B To F-P9A To F-P6 To F-P7B To F4	1957	EF-09-102 SH.1	01/11/02	Pass	7	25	B. Loos	
	F-P7A To F4	1957	EF-09-102 SH.1	01/11/02	Pass	7	25	B. Loos	
	F-V8 To F4	1957	EF-09-102 SH.1	01/11/02	Pass	7	25	B. Loos	
FCC Box N2461.57' W546.5'	F-B1 & Drain N2447.07' W542.0' To F-V20 To Sewer Box N2461.57' W546.5'	1969	EF-09-102 SH.2	07/31/02	Pass	4	25	B. Loos	
	F-B1-F To Sewer Box N2461.57' W546.5'	1969	EF-09-102 SH.2	07/31/02	Pass	4	25	B. Loos	



AREA LIMITS N-26+80'S

AREA LIMITS W-6+00

AREA LIMITS W-3+30

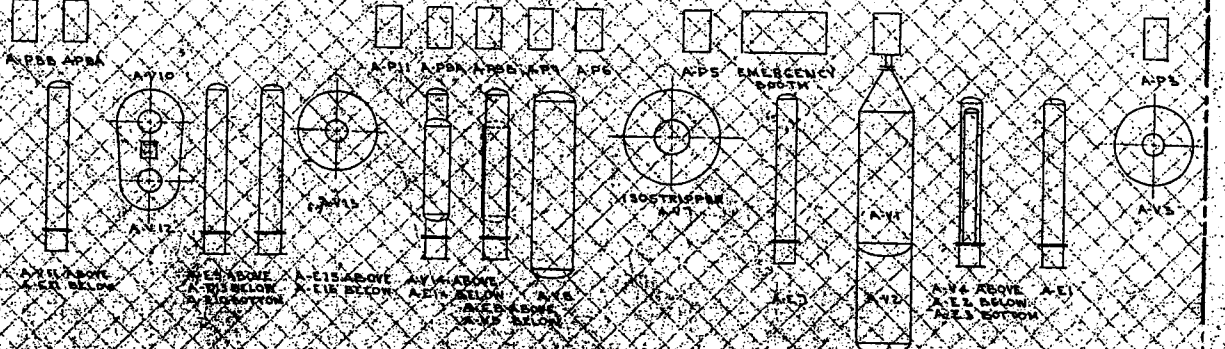
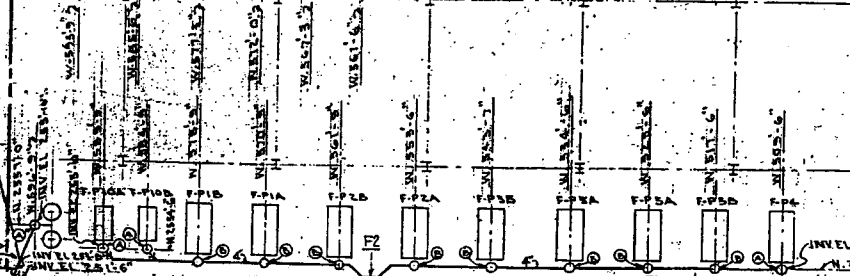


FOR CONTINUATION SEE DWG. EG-09-102

N-25+88

PIPEWAY & N-25+75

FOR CONTINUATION SEE DWG. EG-09-125



REFERENCE DWGS

THE PILING AT PUMPS, DRAIN, TRENCHES, ETC.	EG-09-102
UNDERGROUND PIPING PLAN	EG-09-101
UNDERGROUND PIPING PLAN	EG-09-101
AREA LOCATION PLAN	EG-09-101
PILING BATH OF PUMPS ETC.	EG-09-101
PUMP FOUNDATIONS	EG-09-101

NOTE  
USE BUTTWELD OR LAP WELD PIPE  
PER CLASS 'B' OF SWEE SPEC. 30420

APPROVED FOR CONSTRUCTION  
DESIGNED BY  
DATE

1. E.P. P-30-A ADDED DRAIN LINE TO THE CO. BATHROOM	1/27/52
2. E.P. P-30-A ADDED DRAIN LINE TO THE CO. BATHROOM	1/27/52
3. IMPROVED ADD'D. NOTE: E.P. P-30-A	1/27/52
4. IMPROVED ADD'D. NOTE: E.P. P-30-A	1/27/52
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100. IMPROVED ADD'D. NOTE: E.P. P-30-A	1/27/52

THIS PRINT IS THE PROPERTY OF  
**SOUTHWESTERN ENGINEERING COMPANY**  
4600 SANTA FE AVE. LOS ANGELES, CALIF.  
FLUID CATALYTIC CRACKING UNIT  
UNDERGROUND PIPING  
PLAN  
SCALE: AS SHOWN  
DATE: 1/27/52  
DRAWN BY: [Signature]  
CHECKED BY: [Signature]  
APPROVED BY: [Signature]  
PROJECT NO.: EF-09-102

MATCH LINE N-2479-0

FOR CONT. SEE DWG. EG-09-125  
FOR CONT. SEE DWG. EF-09-102, M. 2

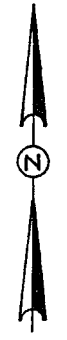
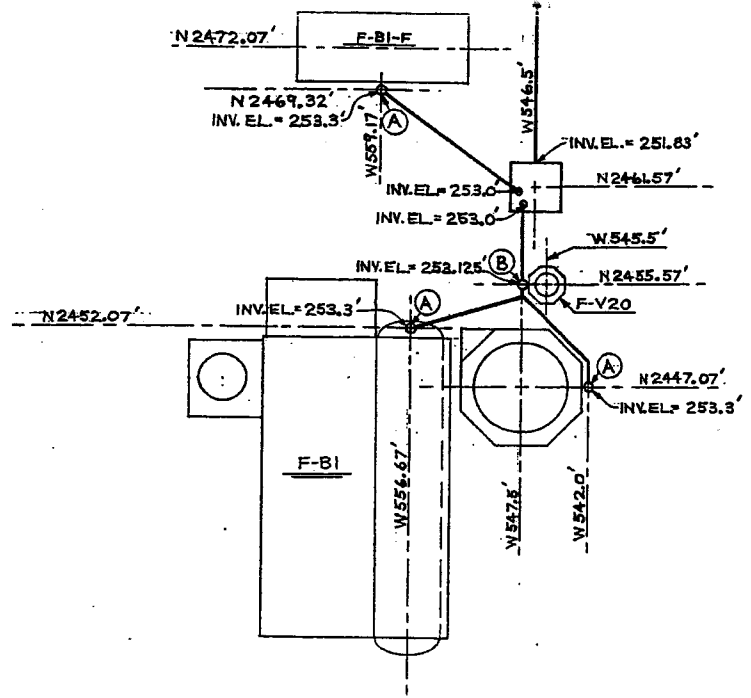
TO CATCH BASIN #C8  
 FOR CONT. SEE DWG. EC-09-125

FOR CONT. SEE DWG. EF-09-102 SH.1

N 2479.0'

REFERENCE DRAWINGS	
DWG. NO.	DESCRIPTION
EF-09-102 SH.1	FCC UNIT UNDERGROUND PIPING
EC-09-125	CRUDE UNIT UNDERGROUND PIPING
AZ-09-103	TYPICAL PIPING AT SUMPS & FUNNELS

AREA LIMITS W 600.0'



THIS DRAWING IS THE PROPERTY OF SHELL OIL COMPANY NEITHER THIS DRAWING NOR ANY DATA OR INFORMATION HEREIN SHALL BE COPIED OR REPRODUCED IN ANY MANNER LOANED OR OTHERWISE DISPOSED OF, OR USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF SHELL OIL COMPANY. IF THIS DRAWING IS LOANED BY OR WITH AUTHORITY OF SHELL OIL COMPANY, THE BORROWER, IN CONSIDERATION OF SUCH LOAN, AGREES TO THE FOREGOING CONDITIONS AND TO RETURN THIS DRAWING UPON REQUEST.

MARK	DATE	DESCRIPTION	BY	APRVD
REVISIONS				
SHELL OIL COMPANY CINIZA REFINERY GALLUP, N. M.				
FLUID CATALYTIC CRACKING UNIT UNDERGROUND PIPING PLAN				
SCALE 1"=10'		APRVD <i>[Signature]</i>		
DATE 8-1-69		APRVD		
DRWN EFS				

W O NO 28539

EF 09 102 SH 2



FOR CONT. SEE DWG. E2-80-03-SIOEP

AREA LIMITS N-26+80'-0"

REPLACE 90°-3EA

REPLACE SEWER LID

REPLACE 4" 90° AND PIPE

REPLACE 4" PIPE, 4" 90°

REPLACE ALL 4" 90° AND PIPING

REPLACE SEWER LID

NEUTRALIZING PIT

LIME TANK A-V16

EMERGENCY BOOTH

H.F. REGENERATOR

A-E4 ABOVE A-E5 BELOW

A-V15

A-P10

AREA LIMITS W-5+00'

AREA LIMITS W-3+30'

REFERENCE DWG'S

TYP. PIPING AT SUMPS & DRAIN FUNNELS	E2-80-03-SIOEP
UNDERGROUND PIPING PLAN	E2-80-03-SIOEP
UNDERGROUND PIPING PLAN	E2-80-03-SIOEP
PIPE PLAN	E2-80-03-SIOEP
AREA LOCATION PLAN	E2-80-03-SIOEP
FIELD PLAN OF WATERLINE	E2-80-03-SIOEP
SUMP FOUNDATIONS	E2-80-03-SIOEP
DRAINAGE & SEWERAGE	E2-80-03-SIOEP

NOTE

USE 1/2" WELDED OR LARGER SIZE PIPE PER CLASS 'C' OF S.W. ENGINEERING STANDARDS

APPROVED FOR CONSTRUCTION

Signed by: *W.B. Ryan* DATE: 1-24-77

*Frank* DATE: 2-2-77

1. DUE TO 2-9-70 ADDED DRAIN SYSTEM FOR ST-3000 2' DIA (NO. 20000)	
2. DUE TO 4-15-70 ADDED FUNNELS @ G-C10 & G-C11	
3. DUE TO 4-15-70 ADDED UNDERGROUND PIPING @ G-C10 & G-C11	
4. DUE TO 4-15-70 ADDED UNDERGROUND PIPING @ G-C10 & G-C11	
5. DUE TO 4-15-70 ADDED UNDERGROUND PIPING @ G-C10 & G-C11	
6. DUE TO 4-15-70 ADDED UNDERGROUND PIPING @ G-C10 & G-C11	
7. DUE TO 4-15-70 ADDED UNDERGROUND PIPING @ G-C10 & G-C11	
8. DUE TO 4-15-70 ADDED UNDERGROUND PIPING @ G-C10 & G-C11	
9. DUE TO 4-15-70 ADDED UNDERGROUND PIPING @ G-C10 & G-C11	
10. DUE TO 4-15-70 ADDED UNDERGROUND PIPING @ G-C10 & G-C11	
11. DUE TO 4-15-70 ADDED UNDERGROUND PIPING @ G-C10 & G-C11	
12. DUE TO 4-15-70 ADDED UNDERGROUND PIPING @ G-C10 & G-C11	
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18. DUE TO 4-15-70 ADDED UNDERGROUND PIPING @ G-C10 & G-C11	
19. DUE TO 4-15-70 ADDED UNDERGROUND PIPING @ G-C10 & G-C11	
20. DUE TO 4-15-70 ADDED UNDERGROUND PIPING @ G-C10 & G-C11	

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4800 SANTA FE AVE. LOS ANGELES, CALIF.

AND IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE COMPANY.

SCALE: 1" = 10'-0"

DATE: 1-24-77

DRAWN BY: *W.B. Ryan*

CHECKED BY: *Frank*

APPROVED BY: *W.B. Ryan*

DATE: 1-24-77

EG-09-102EP

AREA LIMITS N-24+63'-0"

HAVE Lg Map

**CRUDE UNIT**



# UNDERGROUND PROCESS AND WASTEWATER LINES

## CRUDE UNIT

<u>ID Number (Sewer Box or Catch Basin)</u>	<u>Lateral Drains and/or Headers</u>	<u>Date Installed</u>	<u>Drawing Reference</u>	<u>Test Date</u>	<u>Pass/Fail/Repair Information</u>	<u>Test Water Column (Feet)</u>	<u>Test Duration (Minutes)</u>	<u>Signature</u>	<u>Investigation Results</u>
C-1	P-2 (From Plat Unit) to C-1	1957	EC-09-125 & EP-09-102	10/31/02	Pass	4	30	B. Loos	
C-2	C-1 to C-2	1957	EC-09-125	10/31/02	Pass	4	30	B. Loos	
	C-V2 to C-2	1957	EC-09-125	10/31/02	Pass	4	30	B. Loos	
	C-P4 to C-P5B to C-2	1957	EC-09-125	10/31/02	Pass	4	30	B. Loos	
C-3	C-P10B to C-P5A to C-2	1957	EC-09-125	10/31/02	Pass	4	30	B. Loos	
	C-2 to C-3	1957	EC-09-125	10/31/02	Pass	4	30	B. Loos	
	C-P10A to C-P9A to C-P9B to C-3	1957	EC-09-125	10/31/02	Pass	4	30	B. Loos	
C-4	C-P8 to C-3	1957	EC-09-125	10/31/02	Pass	4	30	B. Loos	
	to C-4	1957	EC-09-125	10/31/02	Pass	4	30	B. Loos	
	C-E8 to C-4	1957	EC-09-125	10/31/02	Pass	4	30	B. Loos	
C-5	C-24A to C-24B to C-P7 to C-4	1957	EC-09-125	10/31/02	Pass	4	30	B. Loos	
	C-4 to C-5	1957	EC-09-125	10/31/02	Pass	4	30	B. Loos	
	C-P1B to C-P3 to C-5	1957	EC-09-125	10/31/02	Pass	4	30	B. Loos	
C-6	N.26+11'-6" W.6+56'-9" (C-PV109) to C-5	1957	EC-09-125	10/31/02	Cup Fail	0	0	B. Loos	WO481143 Cup Repaired 11/18/02
	C-P23A To C-P23B To C-6	1957	EC-09-125						
	C-V10 To C-6	1957	EC-09-125						
	A To C-P21 To C-P16A To C-P15 To C-P14B To C-P14A To C-6	1957	EC-09-125						
	C-V13 Drain to Pipe Between C-6 & C-7	1967	EC-09-125						
	C-P13A To C-P13B To C-6	1957	EC-09-125						
C-7	C-6 to C-7	1957	EC-09-125						
	C-E11 To C-7	1957	EC-09-125						
C-8	FCC Sewer Box N2461.57' W546.5' To C-8	1969	EC-09-125 & EF-09-102 SH.2	07/31/02	Pass	4	25	B. Loos	
	F-E10 To C-8	1957	EC-09-125	07/31/02	Pass	4	25	B. Loos	
	F-11B To F-11A To C-8	1957	EC-09-125	07/31/02	Pass	4	25	B. Loos	
	F-C1 N2515'11" W590' 0" To C-8	1957	EF-09-102 SH.1	07/31/02	Pass	4	25	B. Loos	
	F-C1 N2496" 8" W594' 3" To C-8	1957	EF-09-102 SH.1	07/31/02	Pass	4	25	B. Loos	
	F-P12B To FIELD MITER To C-8	1957	EC-09-125	07/13/02				B. Loos	Red Line ????
C-9	FE-9 To N24+93-0" W6+56' 11" To C-8	1957	EC-09-125	07/31/02	Pass	4	25	B. Loos	
	to C-8	1957	EC-09-125	07/31/02	Pass	4	25	B. Loos	
	C-7 to C-9	1957	EC-09-125	07/31/02	Pass	4	25	B. Loos	
	C-8 to C-9	1957	EC-09-125	07/31/02	Pass	4	25	B. Loos	
	F-3 to C-9	1957	EF-09-102 SH.1	07/31/02	Pass	4	25	B. Loos	
	F-V14 To C-9	1957	EC-09-125	07/31/02	Pass	4	25	B. Loos	
	C-V6 To C-9	1957	EC-09-125	07/31/02	Pass	4	25	B. Loos	

## UNDERGROUND PROCESS AND WASTEWATER LINES

### CRUDE UNIT

	C-P11A To C-P11B To C-9	1957	EC-09-125	07/31/02	C-P11 Cup Fail			B. Loos	WO46749 Cup Repaired 10/23/02	
C-10	C-10	1957	EC-09-125	10/31/02				B. Loos	Did not fill C-10 during this test	
	F4 W. to C-10	1957	EC-09-125 & EF-09-102 SH.2							
	C-9 N. to C-10	1957	EC-09-125							
	C-5 E. to C-10	1957	EC-09-125	10/31/02	Pass	4	30	B. Loos		
	C-P1A to C-P2 to C-10	1957	EC-09-125	10/31/02	Cup Fail	4	0	B. Loos	WO481143 Cup Repaired 11/18/02	
C-11	C-10 N. to C-11	1957	EC-09-125							
	N.26+14'-2" W.6+45'-0" to C-11	1957	EC-09-125							
	N.26+45'-8" W.6+44'-3.5" to C11	1957	EC-09-125							
	From Sats Unit Catch Basin by S-C1 flows S then "T" from drain just S. "T" flows W to C-11	1995	95103-CC-105, Z-35-104 & EC-09-125							
C-11 flows N. to CBZ-24			EC-09-125 & EZ-80-09-510							DHT Unit
CBZ-24 2687N 632W	C-11 N to CBZ-24	1957	EZ-80-09-510EP							DHT Unit
	CBZ-25 W to CBZ-24	1957	EZ-80-09-510EP							DHT Unit
CBZ-23 2729.63N 632W	CBZ-24 N to CBZ-23	1957	EZ-80-09-510EP							DHT Unit
	Q-1 (Treaters) W to CBZ-23	1957	EQ-09-101 SH.1 EZ-80-09-EP							Treaters
	Drain Hub (Treaters) 2785.42N 524.00W to CBZ-23	1957	EZ-80-09-510EP							Treaters
CBZ-22 2900N 632W	CBZ-23 N to CBZ-22	1957	EZ-80-09-510EP							SRU
	Drain 2872.50N 574.17W to CBZ-22	1957	EZ-80-09-510EP							SRU
CBZ--21 2980N 632W	CBZ-22 flows N to CBZ-21	1957	EZ-80-09-510EP EZ-80-09-509EP							
	Cooling Tower Drain 2900N 582.92W to EZ-80-09-509EP	1957	EZ-80-09-510EP EZ-80-09-509EP							
CBZ-20 3073N 632W	CBZ-21 flows N under road to start of tank farm to CBZ-20	1957	EZ-80-509-EP							