

APPENDIX C
HAZARDOUS WASTE CONTINGENCY PLAN
RECEIPT FORM

**Tesoro Refining and Marketing Company
Golden Eagle Refinery
Martinez, California**

HAZARDOUS WASTE CONTINGENCY PLAN RECEIPT

Agency: _____

Receipt of Hazardous Waste Contingency Plan:

Signature: _____

Date: _____

APPENDIX D
REFINERY EMERGENCY COORDINATORS
(INCIDENT COMMANDERS)

APPENDIX E
LOCATIONS OF FIRE AND SAFETY EQUIPMENT

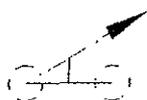
EMERGENCY EQUIPMENT



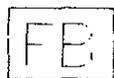
FIRE
EXTINGUISHER



EYE WASH



FIREFLY



FIREFLY BLANKET



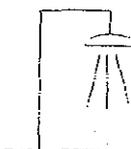
HOSE BOX



SAFETY
LOCKER



HOSE PEEL



SAFETY
SHOWER



HYDRANT



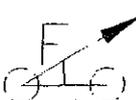
STRETCHER



MONITOR



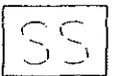
BUNKER
GEAR



QUICK ATTACK
W/ FOAM



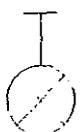
SCBA



SNUFFING STEAM



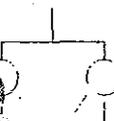
FIRST AID



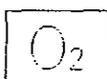
SPRINKLER SYSTEM
VALVE



TRAUMA KIT



SPRINKLERS

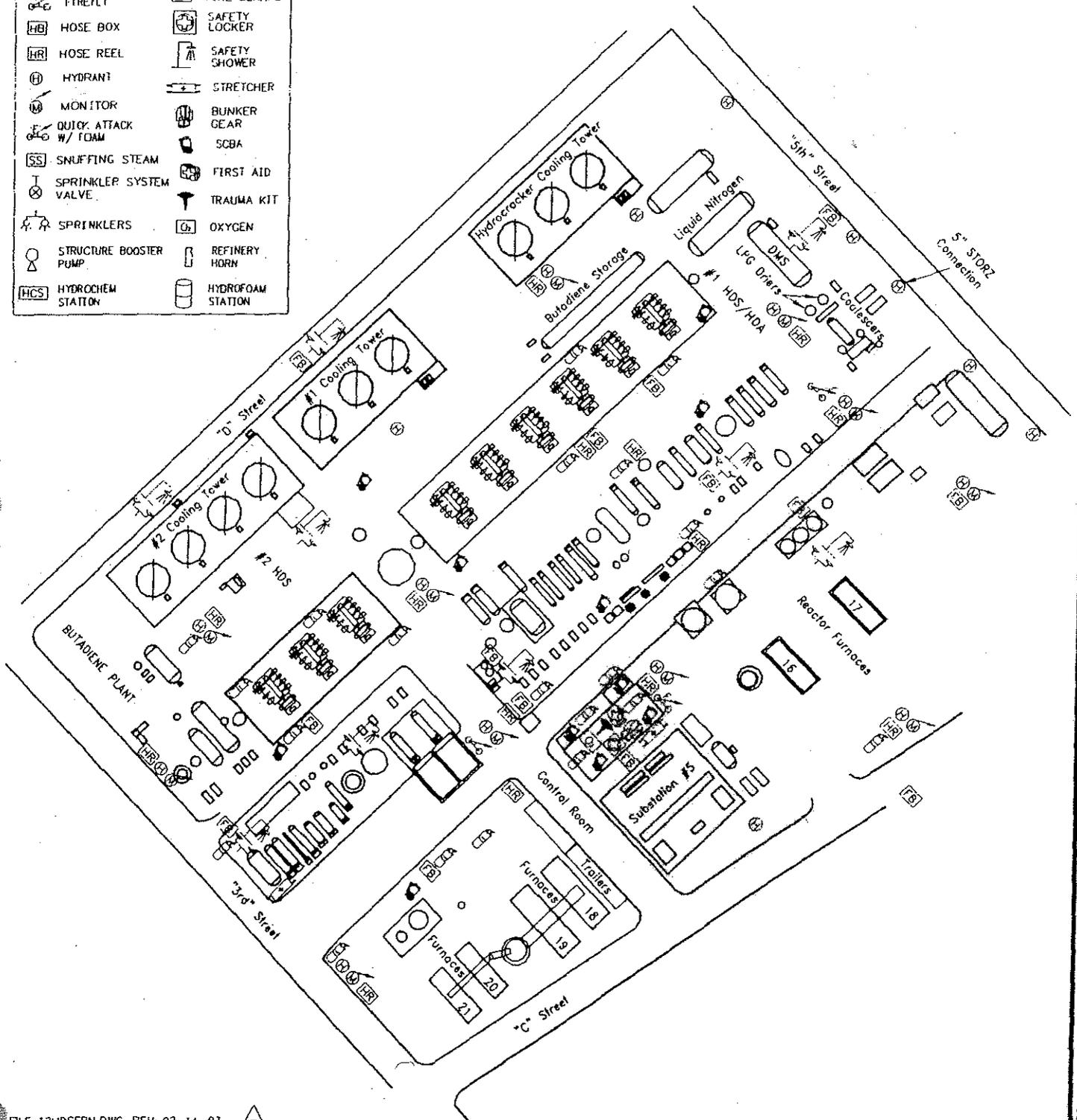


LIFE-O-GEN

#1 & #2 HDS AND BUTADIENE PLANT EMERGENCY EQUIPMENT LOCATION



KEY	
	FIRE EXTINGUISHER
	FIREFLY
	HOSE BOX
	HOSE REEL
	HYDRANT
	MONITOR
	QUICK ATTACK W/ FOAM
	SNUFFING STEAM
	SPRINKLER SYSTEM VALVE
	SPRINKLERS
	STRUCTURE BOOSTER PUMP
	HYDROCHEM STATION
	EYE WASH
	FIRE BLANKET
	SAFETY LOCKER
	SAFETY SHOWER
	STRETCHER
	BUNKER GEAR
	SCBA
	FIRST AID
	TRAUMA KIT
	OXYGEN
	REFINERY HORN
	HYDROFOAM STATION



FILE: 12HDSERN.DWG REV: 02-14-03



DESIGNED BY:	MOORE	DATE:	03DEC03	APPROVED FOR CONSTRUCTION	
SIGN:		DATE:		PROJECT NO.	ENGR. SUPT.
CHECK:		DATE:			
APP'D:		DATE:		SCALE:	NONE
EQUIPMENT NOS.	NONE				

EMERGENCY EQUIP LOCATION PLAN #1 & #2 HDS & BUTADIENE PLANT FIRE PLAN



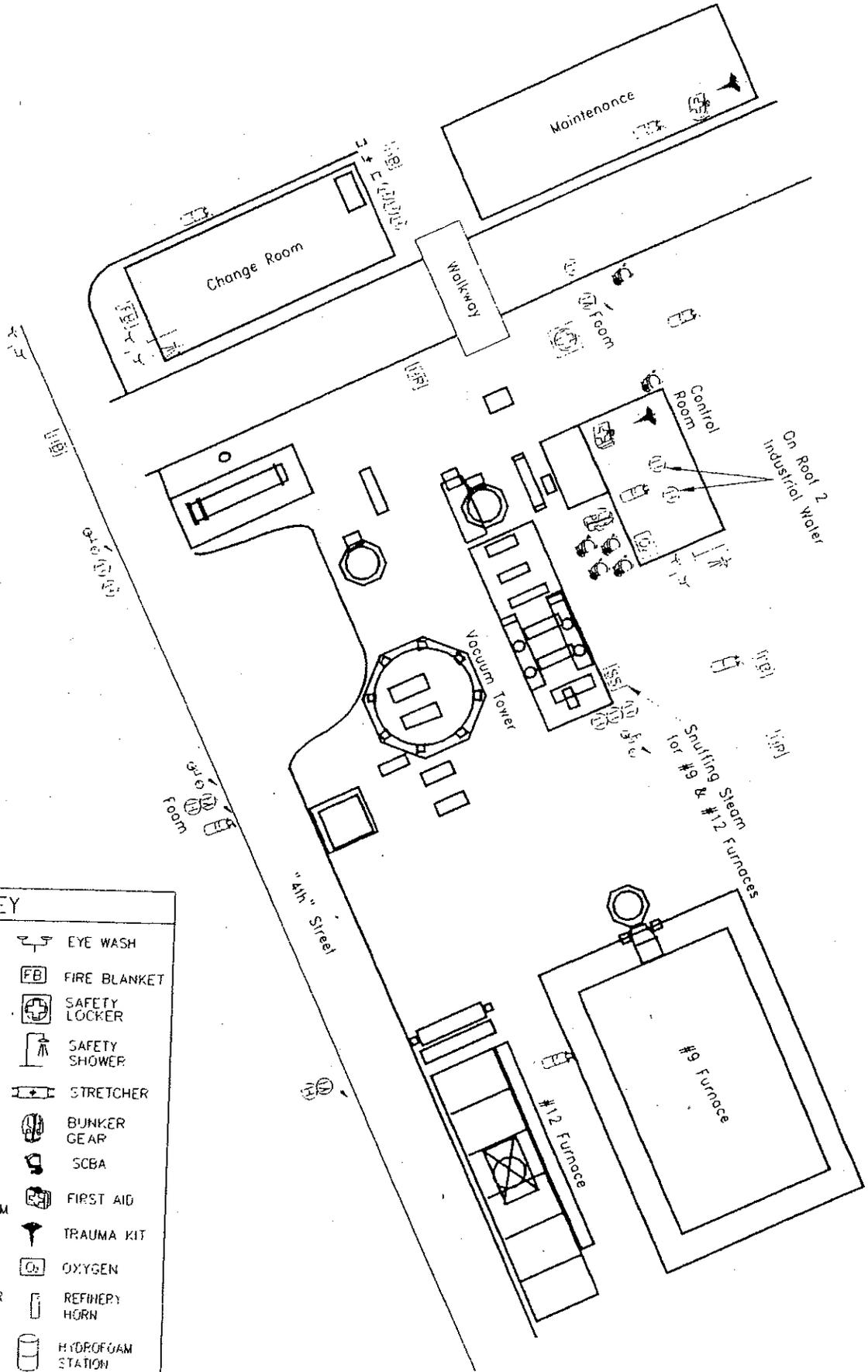
**Golden Eagle
Refinery**

DRAWING NUMBER

REV

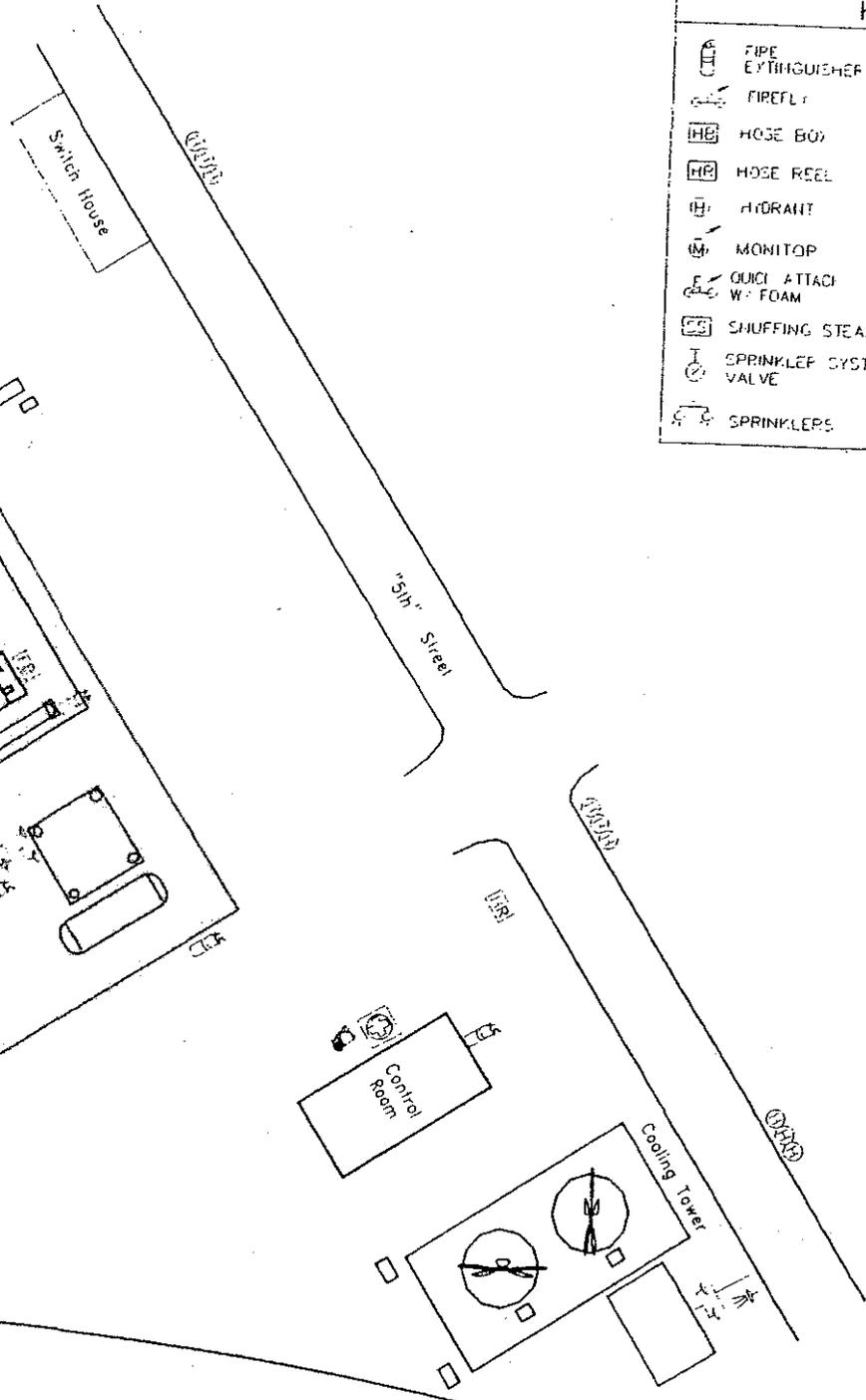
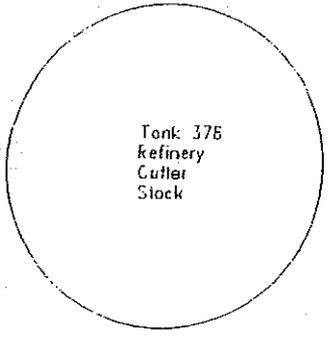
REV: 03-30-00 6:13 AM
G.D.W.T.

1 FEED PREP EMERGENCY EQUIPMENT LOCATION



KEY	
	FIRE EXTINGUISHER
	FIREFLY
	HOSE BOX
	HOSE REEL
	HYDRANT
	MONITOR
	QUICK ATTACK W/ FOAM
	SNUFFING STEAM
	SPRINKLER SYSTEM VALVE
	SPRINKLERS
	STRUCTURE BOOSTER PUMP
	HYDROCHEM STATION
	EYE WASH
	FIRE BLANKET
	SAFETY LOCKER
	SAFETY SHOWER
	STRETCHER
	BUNKER GEAR
	SCBA
	FIRST AID
	TRAUMA KIT
	OXYGEN
	REFINERY HORN
	HYDROFOAM STATION

#1 GAS PLANT EMERGENCY EQUIPMENT LOCATION

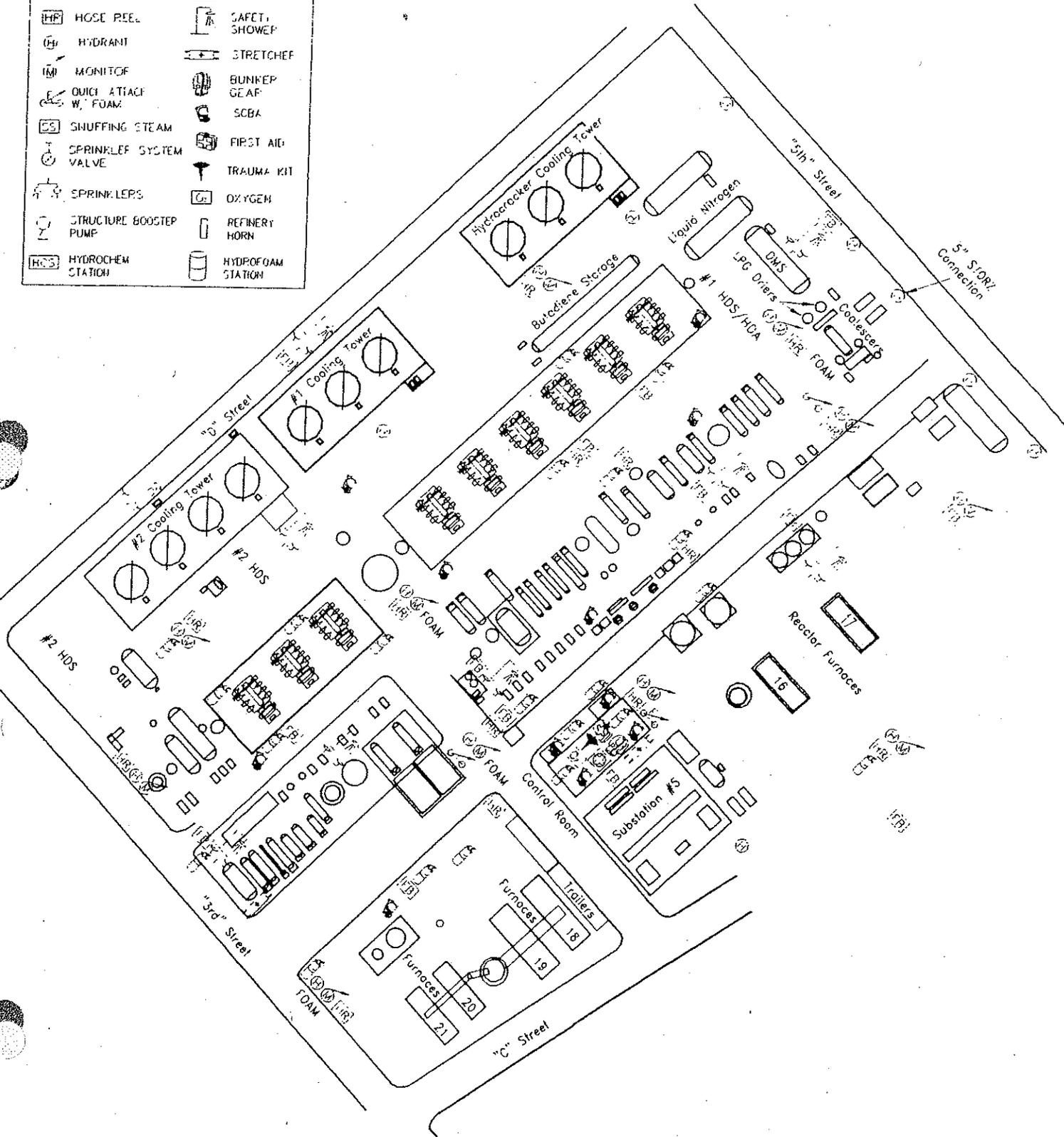


KEY			
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	FIREFLY		PIPE BLANKET
	HOSE BOX		SAFETY LOCKER
	HOSE REEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BUNKER GEAR
	QUICK ATTACK W/ FOAM		SCBA
	SHUFFLING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLERS		OXYGEN

#1 HDA EMERGENCY EQUIPMENT LOCATION



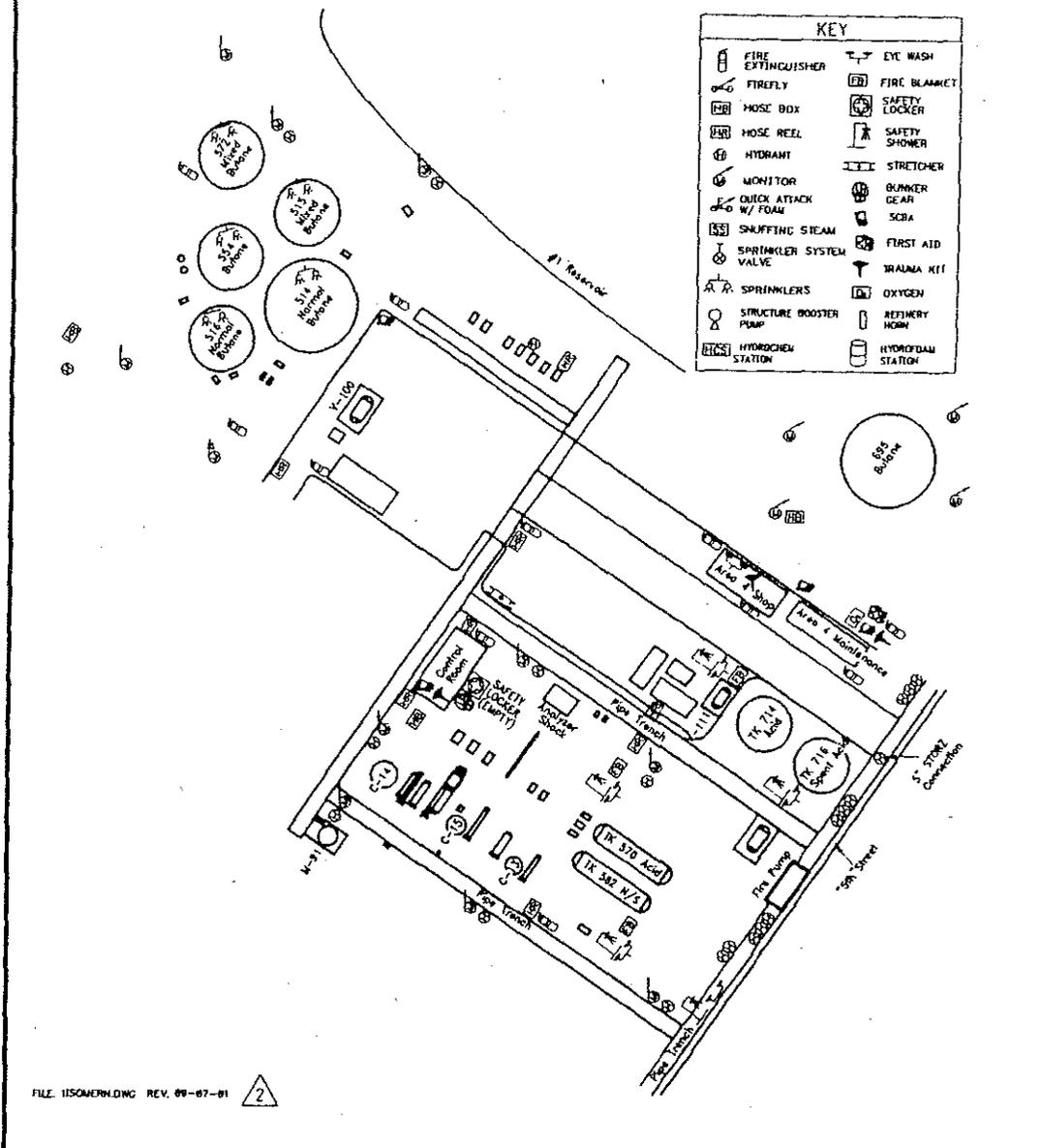
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	HYDRANT
	MONITOR
	QUICK ATTACK W/ FOAM
	SNUFFING STEAM
	SPRINKLER SYSTEM VALVE
	SPRINKLERS
	STRUCTURE BOOSTER PUMP
	HYDROCHEM STATION
	EYE WASH
	SAFETY LOCKER
	SAFETY SHOWER
	STRETCHER
	BUNKER GEAR
	SCBA
	FIRST AID
	TRAUMA KIT
	OXYGEN
	REFINERY HORN
	HYDROFOAM STATION



#1 ISOM/LHP EMERGENCY EQUIPMENT LOCATION



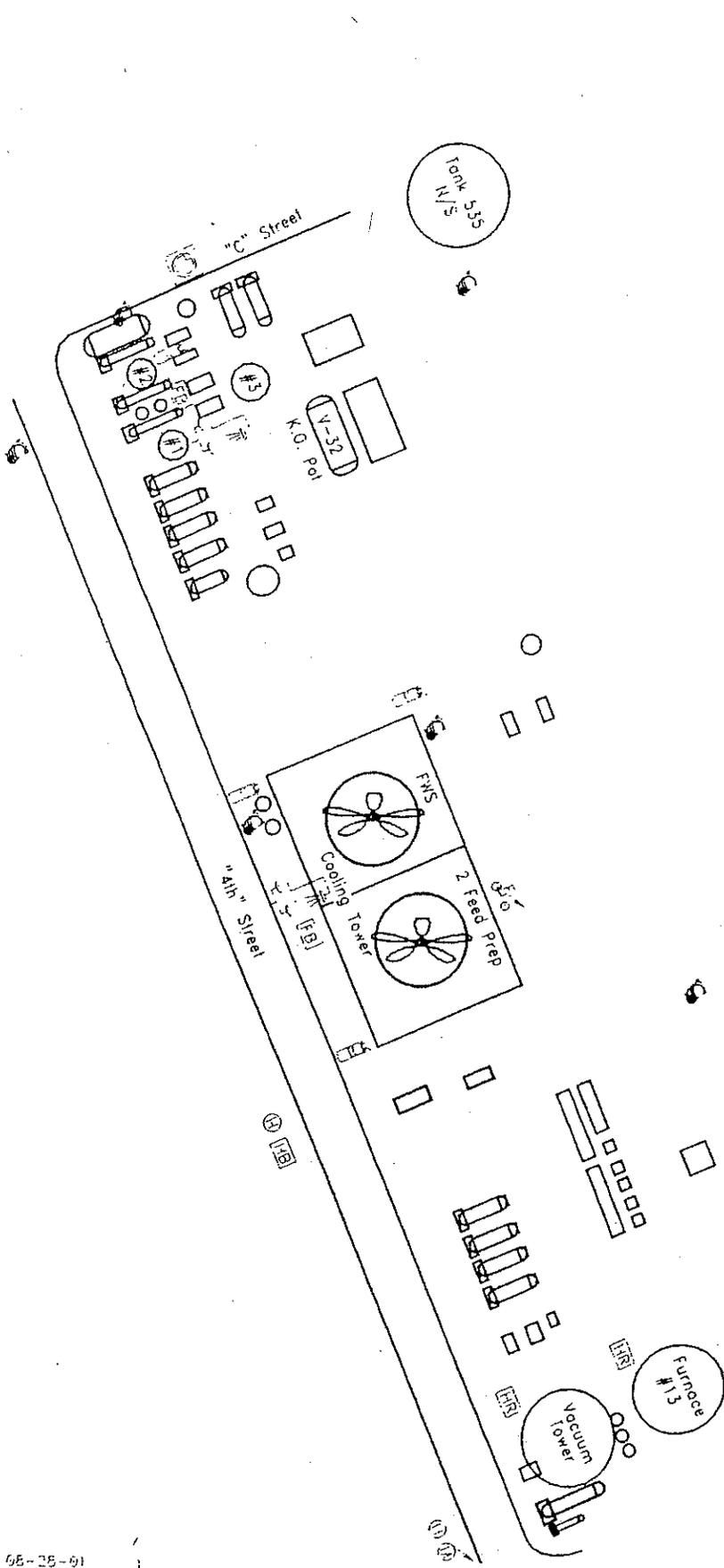
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	FIREFLY
	HOSE BOX
	HOSE REEL
	HYDRANT
	MONITOR
	QUICK ATTACK W/ FOAM
	SNUFFING STEAM
	SPRINKLER SYSTEM VALVE
	SPRINKLERS
	STRUCTURE BOOSTER PUMP
	HYDROCHEM STATION
	EYE WASH
	FIRE BLANKET
	SAFETY LOCKER
	SAFETY SHOWER
	STRETCHER
	BUNKER GEAR
	SCBA
	FIRST AID
	TRAUMA KIT
	OXYGEN
	REFINERY HORN
	HYDROFORM STATION



FILE: 1150MERN.DWG REV. 09-07-01

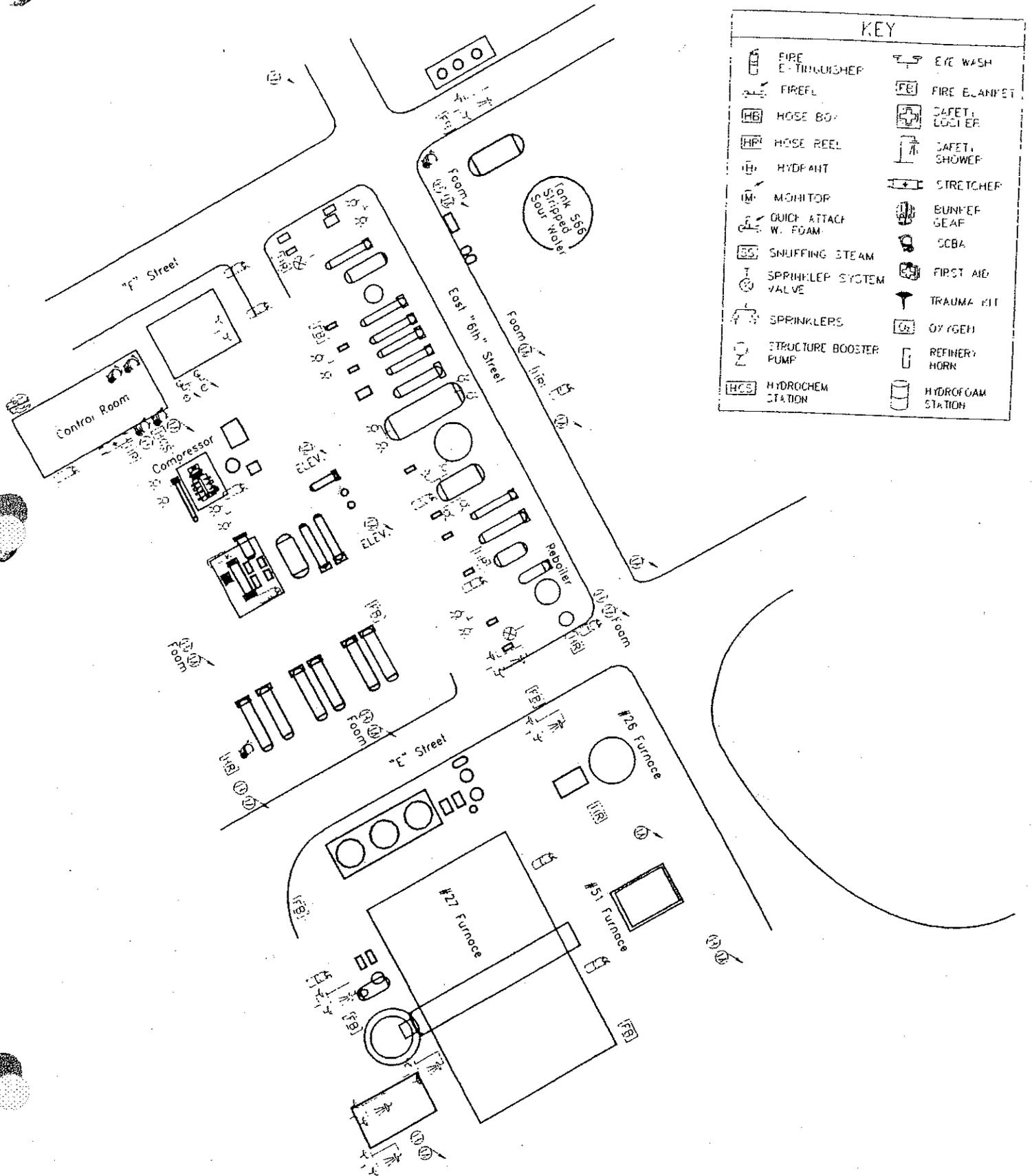
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DESIGNER	MOORE	DATE	8/20/13	PROJECT NO.	1150MERN
CHECK 1		DATE		DATE	
APPR. 1		DATE		SCALE	NONE
EQUIPMENT NOS.	NONE				
UNIT NO.	ACAD NO. 1150MERN				
Golden Eagle Refinery 150 Graham Way Gulfport, GA 31508				DRAWING NUMBER UNIT-TYPE-PAGE-SHT 2	
				PTS/SFE NO. 0000 SHEET 1 OF 1	

#2 FEED PREP EMERGENCY EQUIPMENT LOCATION



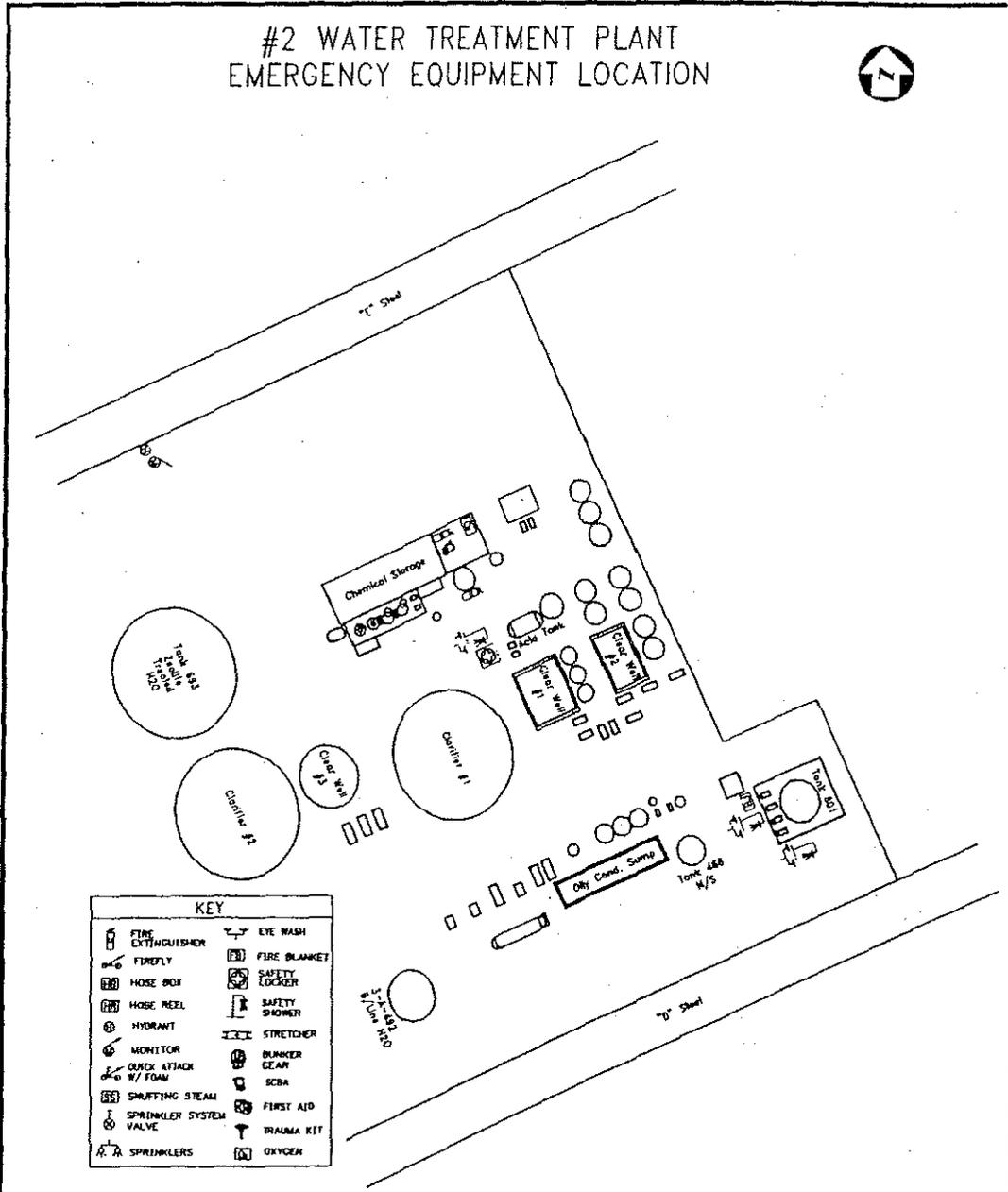
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	FIREFL.		PIPE BLANK
	HOSE BOX		SAFETY LOCKER
	HOSE PEEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BUNKER GEAR
	QUICK ATTACK W/ FOAM		SCBA
	SNUFFING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLERS		OXYGEN
	STRUCTURE BOOSTER PUMP		REFINERY HORN
	HYDROCHEM STATION		HYDROFOAM STATION

#2 REFINER EMERGENCY EQUIPMENT LOCATION



KEY			
	FIRE EXTINGUISHER		EYE WASH
	FIREFL		FIRE BLANKET
	HOSE BOX		SAFETY LOCKER
	HOSE REEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BUNKER GEAR
	QUICK ATTACH W. FOAM		SCBA
	SNUFFING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLERS		OXYGEN
	STRUCTURE BOOSTER PUMP		REFINERY HORN
	HYDROCHEM STATION		HYDROFOAM STATION

#2 WATER TREATMENT PLANT EMERGENCY EQUIPMENT LOCATION



KEY	
[Symbol]	FIRE EXTINGUISHER
[Symbol]	FIREFLY
[Symbol]	HOSE BOX
[Symbol]	HOSE REEL
[Symbol]	HYDRANT
[Symbol]	MONITOR
[Symbol]	QUICK ATTACK W/FOAM
[Symbol]	SHUFFLING STEAM
[Symbol]	SPRINKLER SYSTEM VALVE
[Symbol]	SPRINKLERS
[Symbol]	EYE WASH
[Symbol]	FIRE BLANKET
[Symbol]	SAFETY LOCKER
[Symbol]	SAFETY SHOWER
[Symbol]	STRETCHER
[Symbol]	BUNKER GEAR
[Symbol]	SCBA
[Symbol]	FIRST AID
[Symbol]	TRAUMA KIT
[Symbol]	OXYGEN

FILE: 2WT-ERN.DWG REV: 01-00-B3



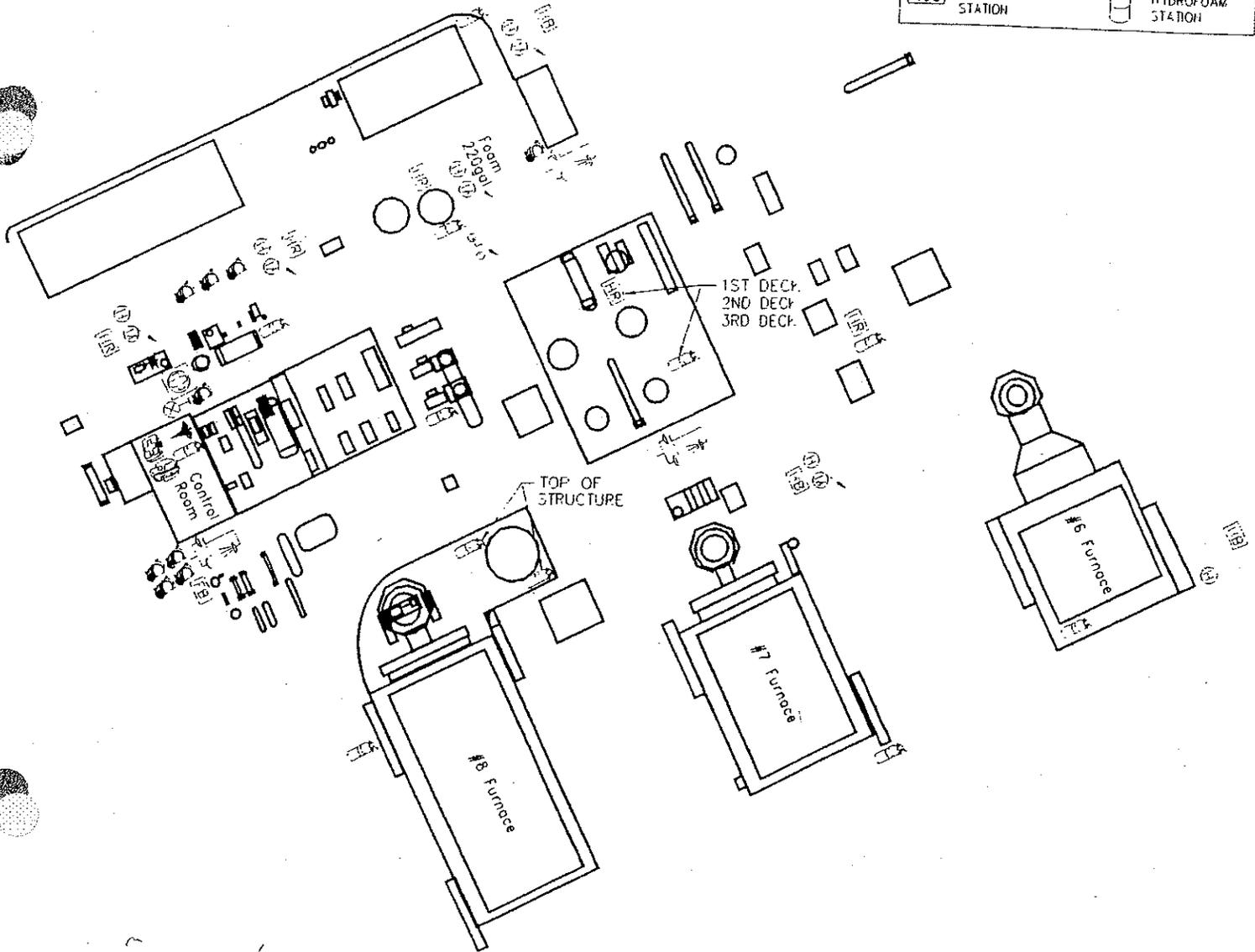
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CHECK		DATE					2WT-ERN	
APP'D		DATE		SCALE:		NONE	REV	
EQUIPMENT NOS. NONE						Golden Eagle Refinery		
UNIT NO.						950 Delta Way Martinez, CA 94553		
ACAD NO.						DRAWING NUMBER		
FILENAME						2WT-ERN		
						PTS/SFE NO. 0000		
						SHEET 1 OF 1		

REV: 01-00-B3 01/13/03 FILE: ADW.DWG

#5 CRUDE EMERGENCY EQUIPMENT LOCATION (Not including Foul Water Stripper & #5 Crude Unit Desalters)



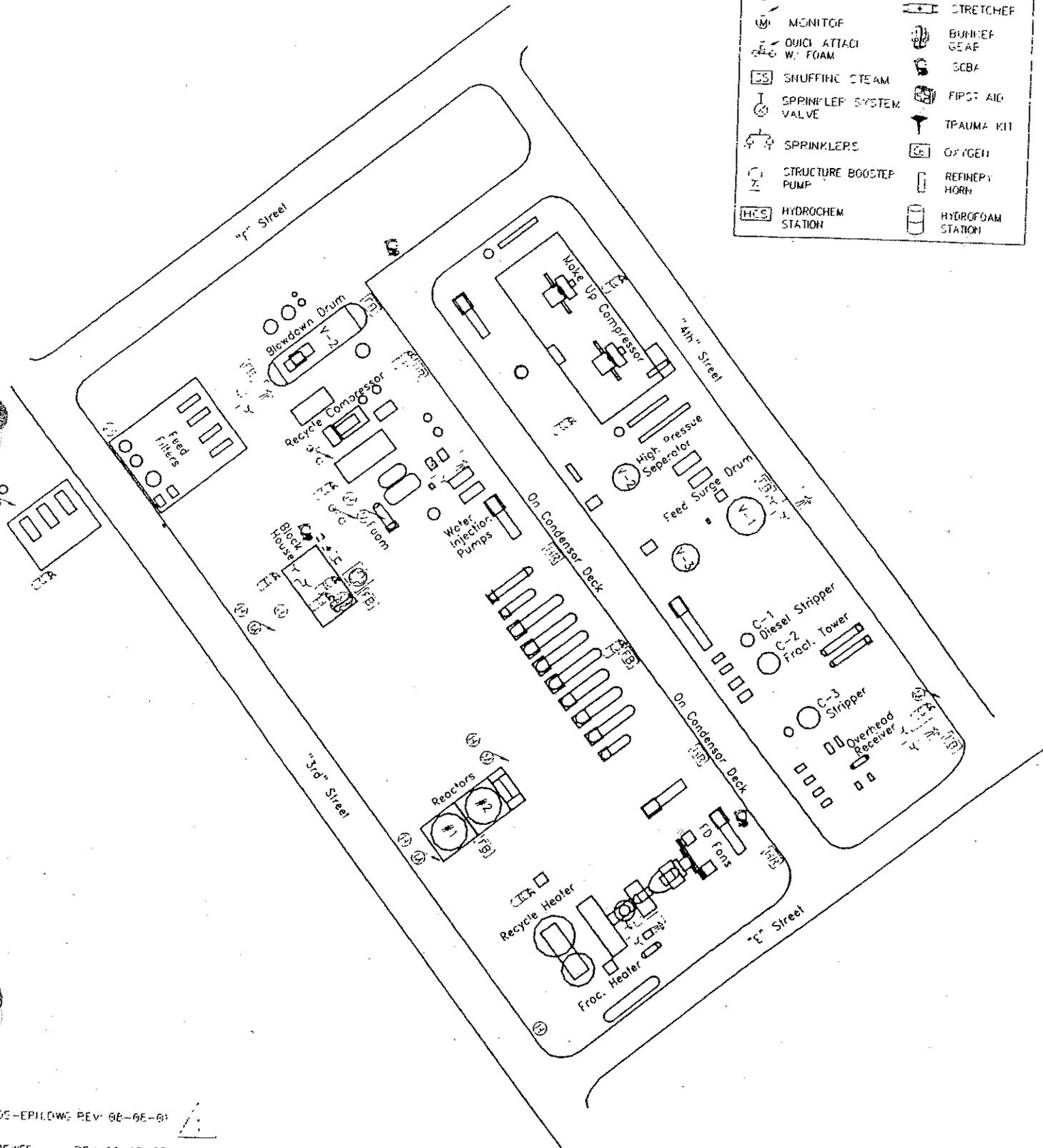
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	FIREFLAME		FIRE BLANKET
	HOSE REEL		SAFETY LOCKER
	HOSE PEEL		SAFETY SHOWER
	HYDRANT		STRETCHCAP
	MONITOR		BUNKER GEAR
	QUICK ATTACK W. FOAM		SCBA
	SNUFFING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLERS		OXYGEN
	STRUCTURE BOOSTER PUMP		REFINERY HORN
	HYDROCHEM STATION		HYDROFOAM STATION



#3 HDS EMERGENCY EQUIPMENT LOCATION



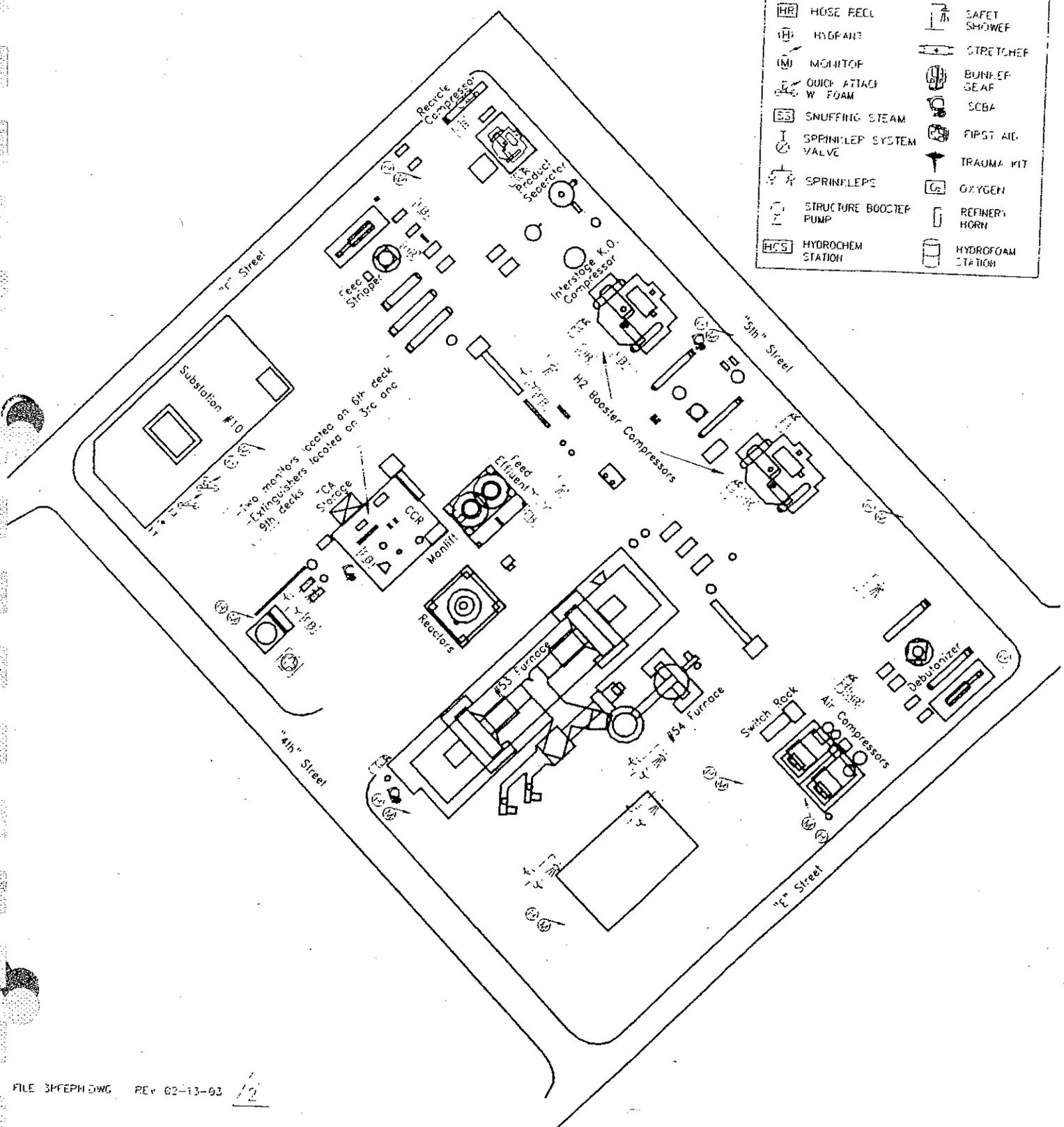
KEY			
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	FIREFLAME		FIRE BLANKET
	HOSE BOX		SAFETY LOCKER
	HOSE REEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BUNKER GEAR
	QUICK ATTACK W/ FOAM		SCBA
	SHUFFLING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLERS		OXYGEN
	STRUCTURE BOOSTER PUMP		REFINERY HORN
	HYDROCHEM STATION		HYDROFOAM STATION



#3 REFORMER EMERGENCY EQUIPMENT LOCATION



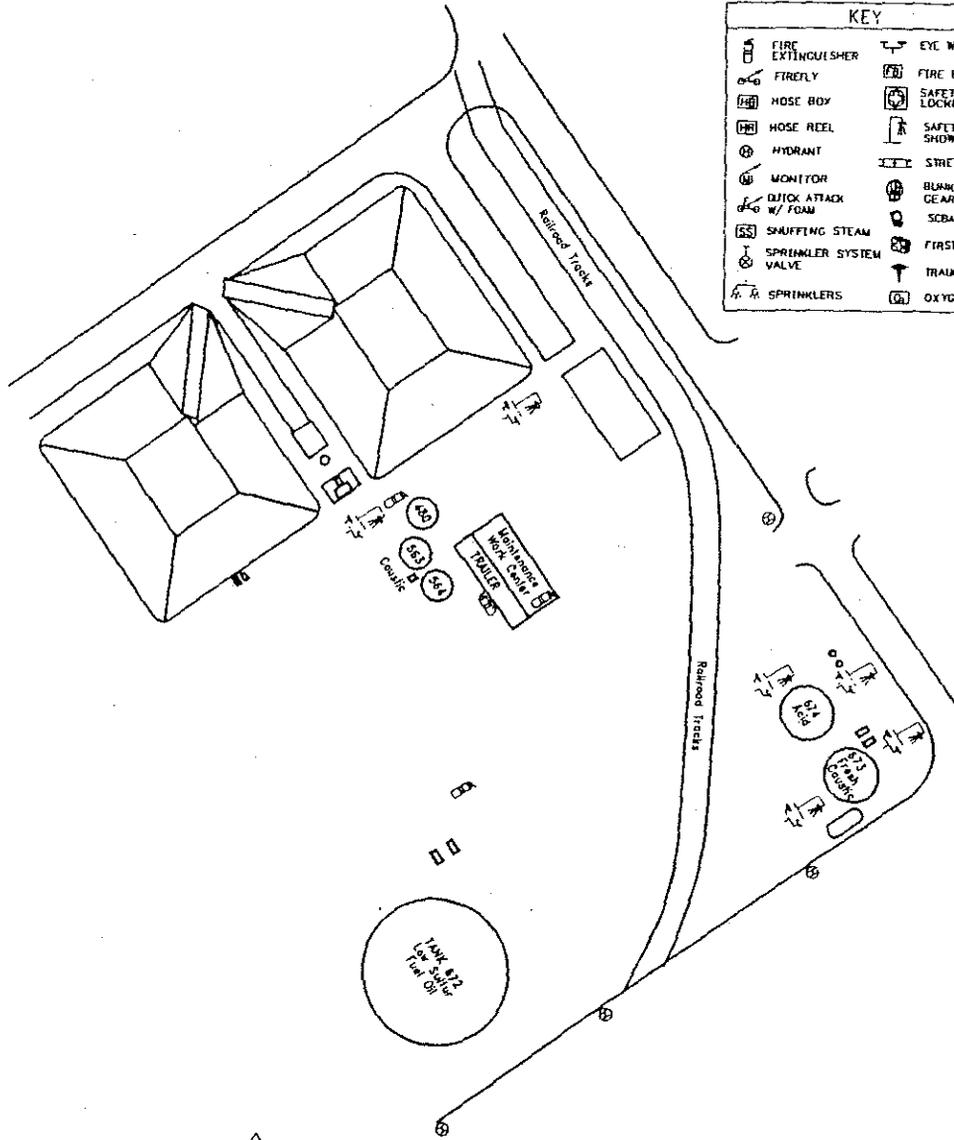
KEY			
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	FIRE ALARM		FIRE BLANKET
	HOSE REEL		SAFETY LOCK
	HOSE REEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BUMPER SEAT
	QUICK ATTACK W FOAM		SCBA
	SNUFFING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLER		OXYGEN
	STRUCTURE BOOSTER PUMP		REFINERY HORN
	HYDROCHEM STATION		HYDROFOAM STATION



#3 WATER TREATMENT WEST EMERGENCY EQUIPMENT LOCATION



KEY	
	FIRE EXTINGUISHER
	FIREFLY
	HOSE REEL
	HYDRANT
	MONITOR
	DITCH ATTACK w/ FOAM
	SNUFFING STEAM
	SPRINKLER SYSTEM VALVE
	SPRINKLERS
	EYE WASH
	FIRE BLANKET
	SAFETY LOCKER
	SAFETY SHOWER
	STRETCHER
	BLANKET GEAR
	SCBA
	FIRST AID
	TRAUMA KIT
	OXYGEN



FILE: 3WTWN.DWG REV: 88-23-01



APPROVED FOR CONSTRUCTION					
DESIGN	DATE	PIC/CRS	PROJECT NO.	DATE	ENGR. SUPT.
CHECK	DATE		SCALE:		NONE
EQUIPMENT NOS. NONE					
UNIT NO.	ACAD NO.	FILENAME			

EMERGENCY EQUIP LOCATION PLAN #3 WATER TREATMENT WEST FIRE PLAN

Golden Eagle Refinery
300 Sutter Way
Bartlett, CA 94530

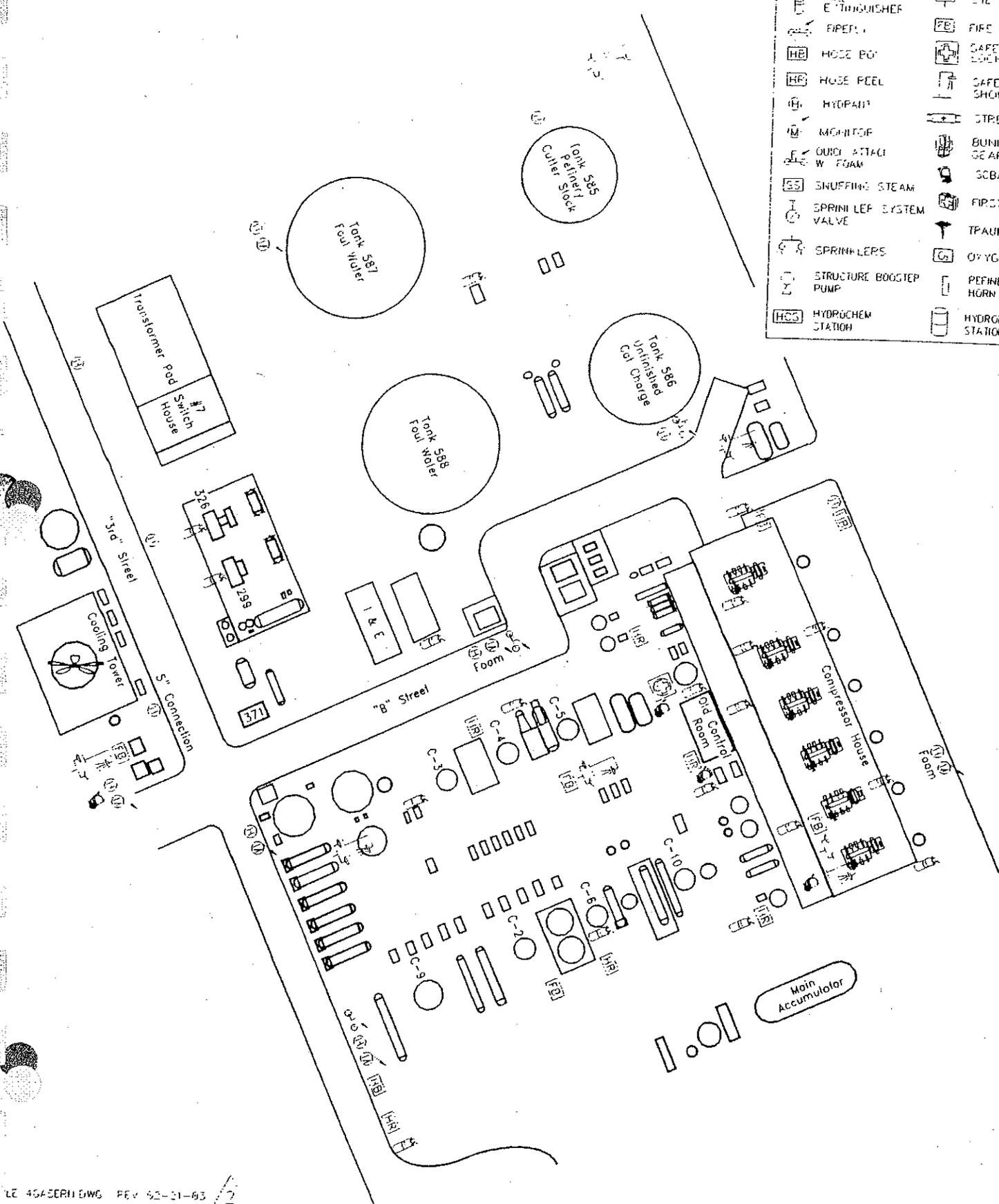
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PTS/SFT NO. 00000	SHEET 1 OF 1

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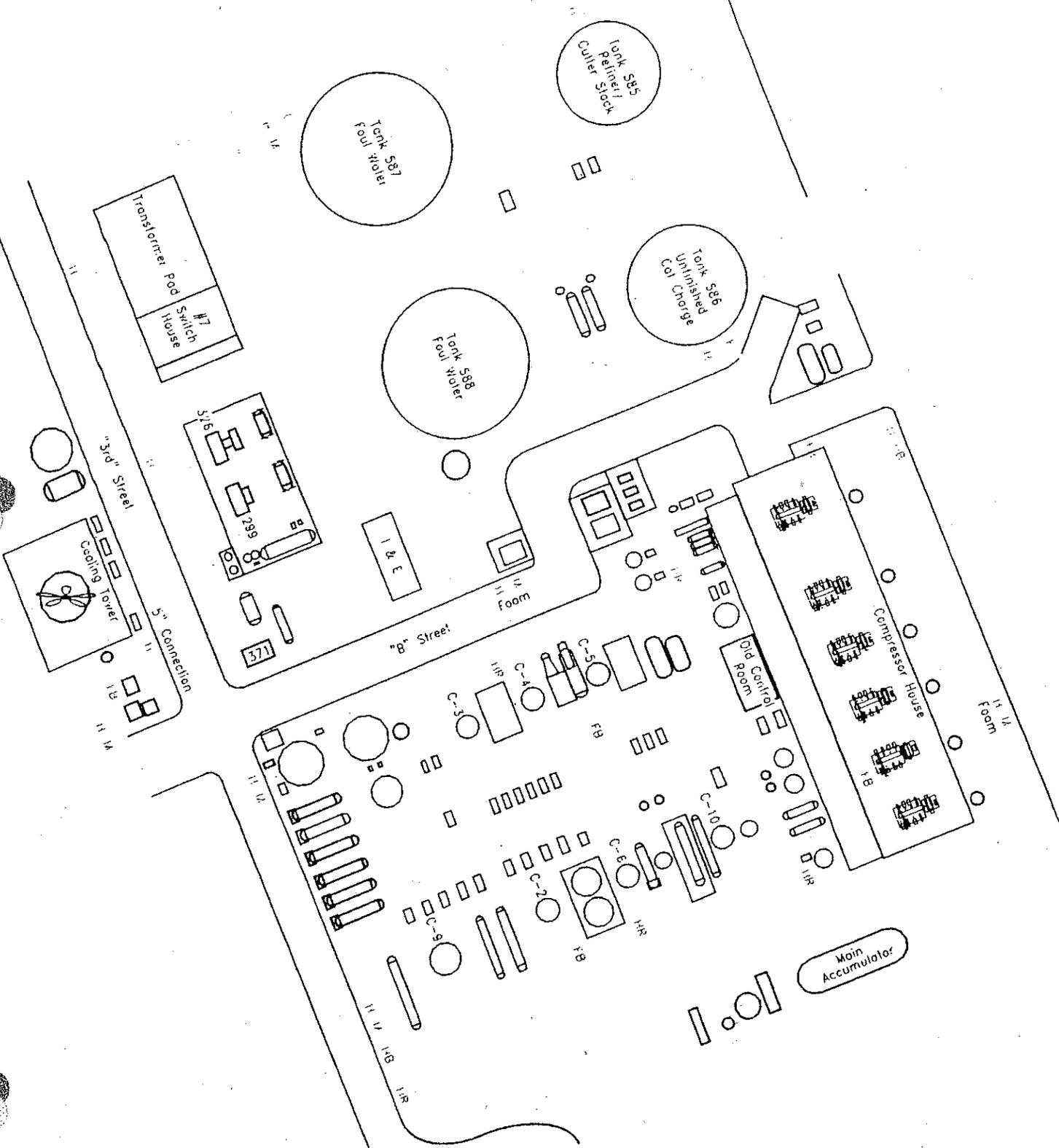
#4 640 PLANT EMERGENCY EQUIPMENT LOCATION

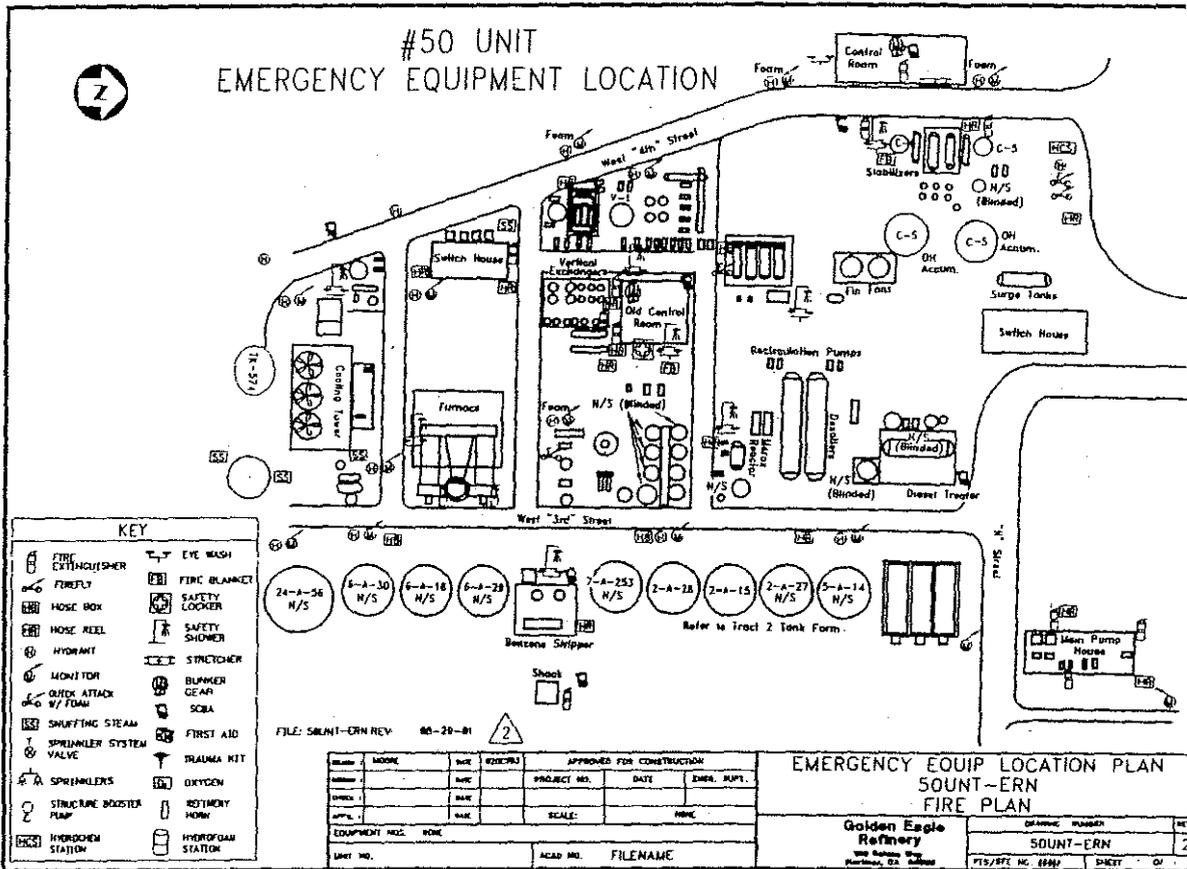


KEY			
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	FIRE BLANKET		SAFETY LOCK
	HOSE REEL		SAFETY SHOWER
	HOSE PULL		STRETCHER
	HYDRANT		BUNIFLEX GEAR
	MONITOR		SCBA
	QUICK ATTACK W/FOAM		FIRST AID
	SNUFFING STEAM		TRAUMA KIT
	SPRINKLER SYSTEM VALVE		OXYGEN
	SPRINKLERS		PEEPERS HORN
	STRUCTURE BOOSTER PUMP		HYDROFOAM STATION
	HYDROCHEM STATION		



#4 GAS PLANT EVACUATION MAP



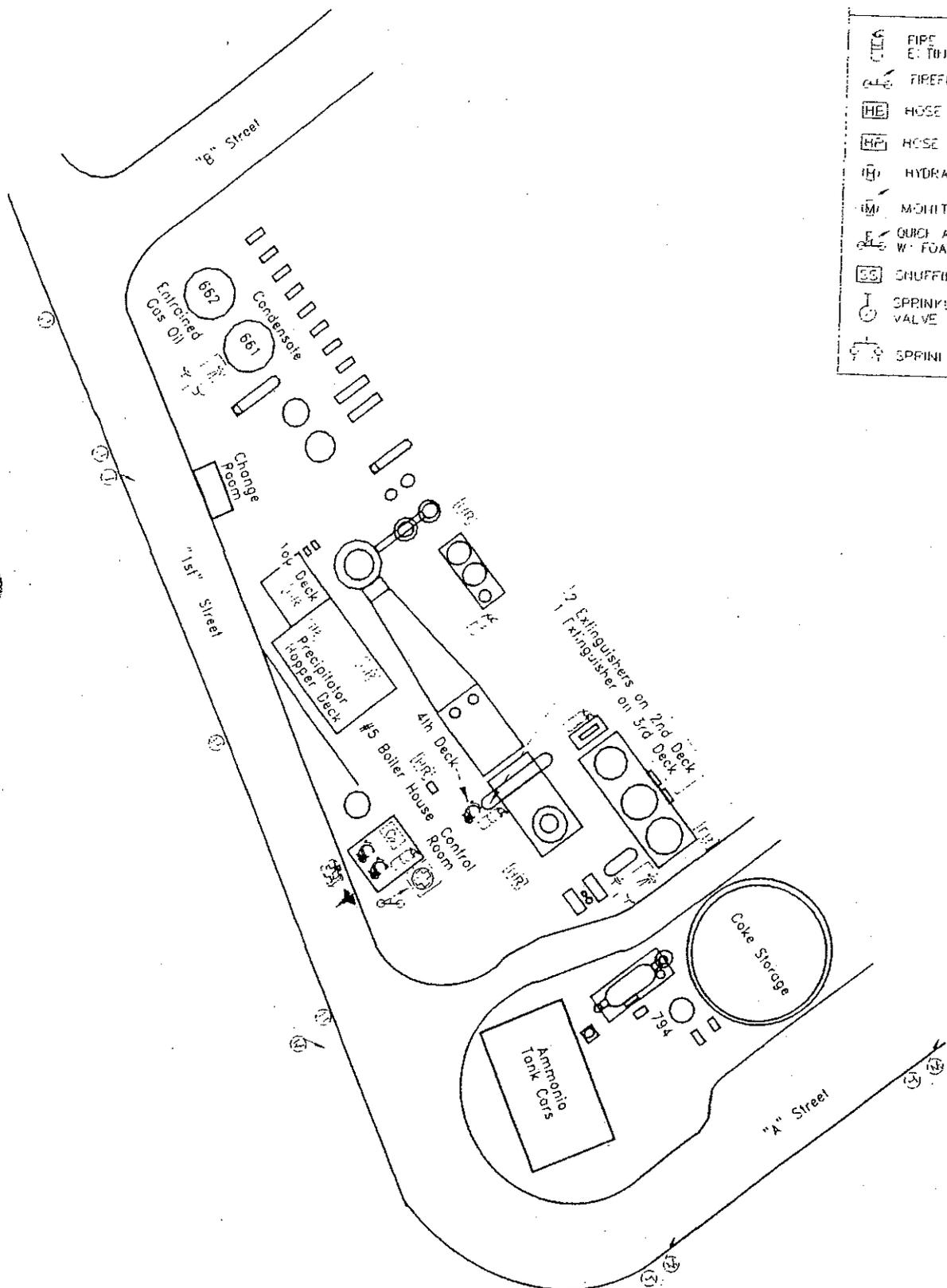


FILENAME NAM 38NOV2K

#5 BOILER HOUSE EMERGENCY EQUIPMENT LOCATION



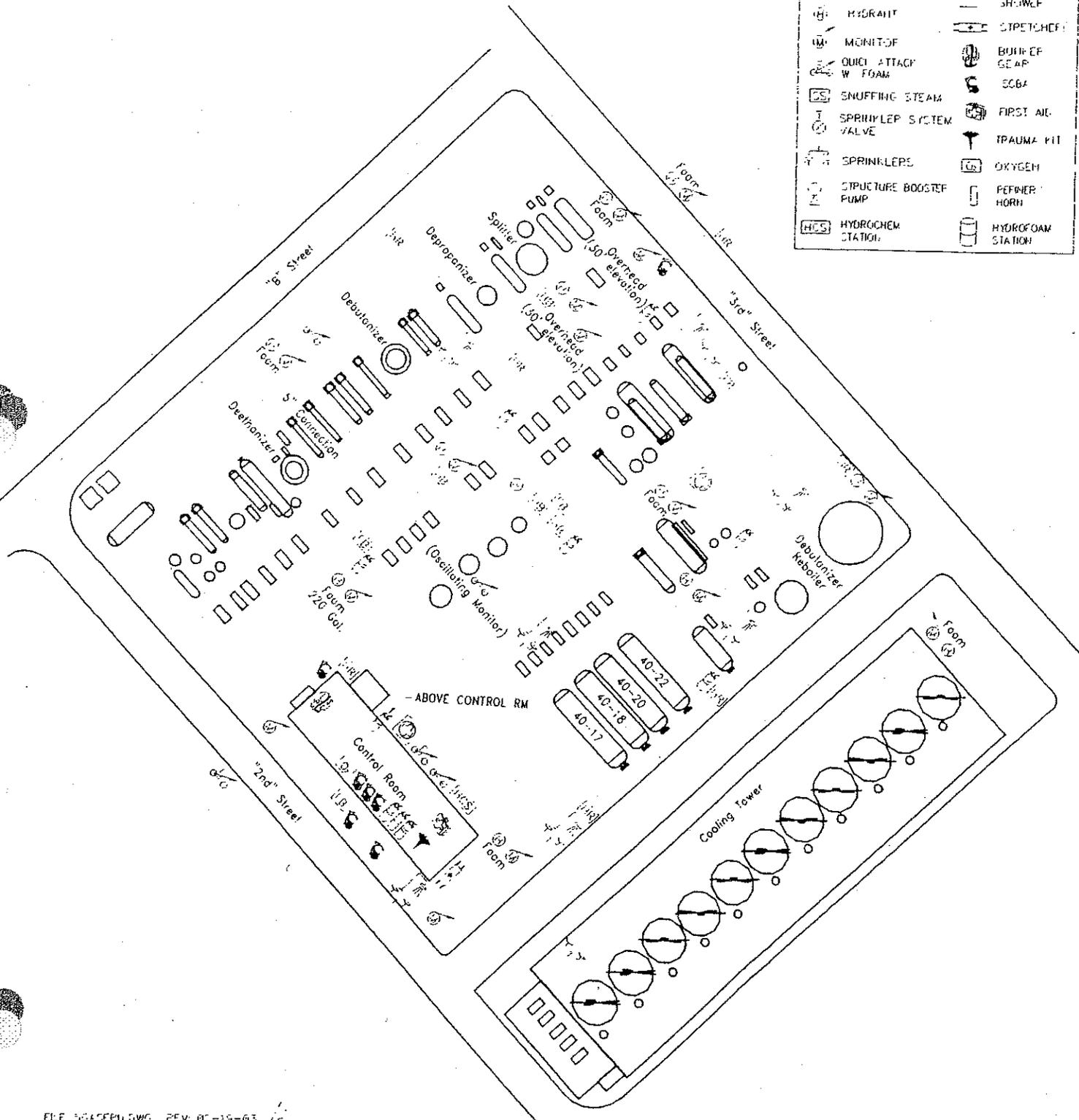
KEY			
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	FIREFLS		FIRE ALARM
	HOSE BOX		SAFETY LOCKER
	HOSE REEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BUNNET GEAR
	QUICK ATTACK W/ FOAM		SCBA
	SHUFFLING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLER		OXYGEN



#5 GAS PLANT EMERGENCY EQUIPMENT LOCATION



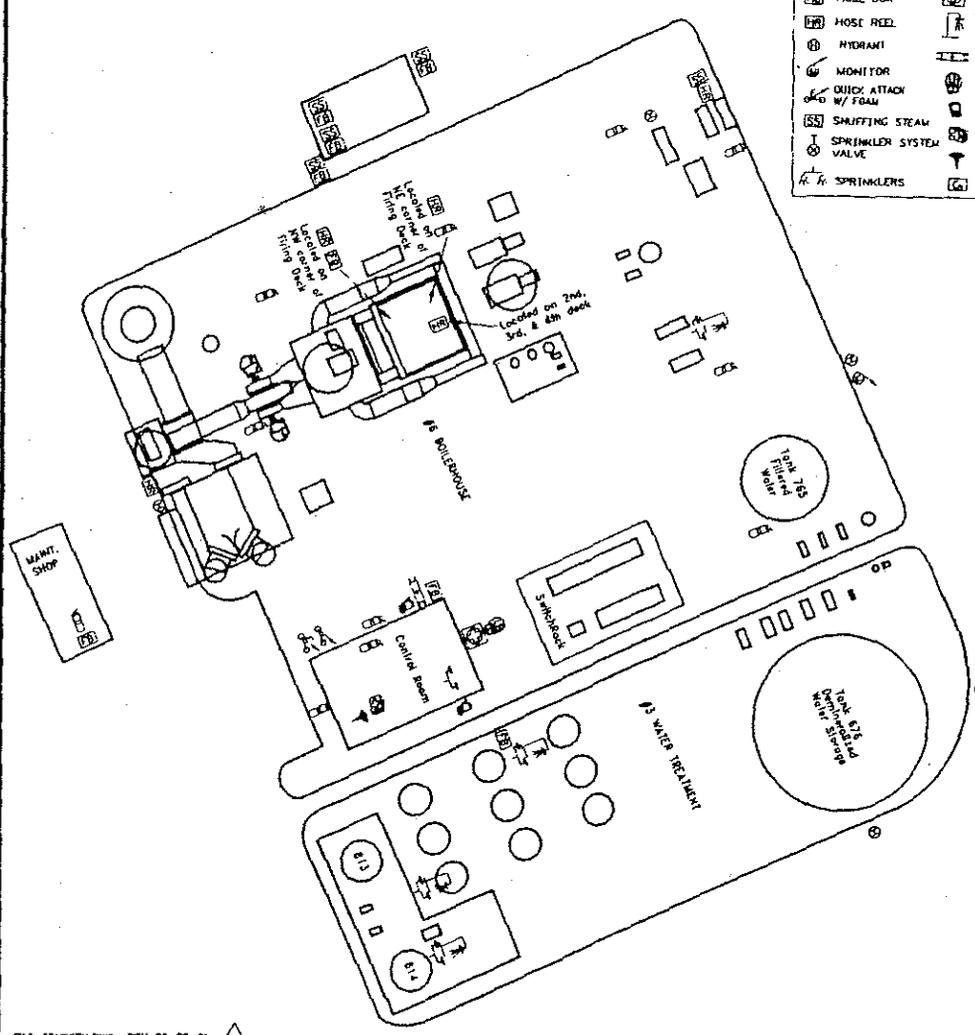
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	FIRE EXTINGUISHER		FIRE BLANKET
	HOSE BOX		SAFETY LOCKER
	HOSE REEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BUOY GEAR
	QUICK ATTACK W FOAM		SCBA
	SNUFFING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLERS		OXYGEN
	STRUCTURE BOOSTER PUMP		PEEWEE HORN
	HYDROCHEM STATION		HYDROFOAM STATION



#6 BOILERHOUSE & #3 WATER TREATMENT EAST EMERGENCY EQUIPMENT LOCATION



KEY	
	FIRE EXTINGUISHER
	FIREFLY
	HOSE BOX
	HOSE REEL
	HYDRANT
	MONITOR
	QUICK ATTACH W/FGM
	SNUFFING STEAM
	SPRINKLER SYSTEM VALVE
	SPRINKLERS
	EYE WASH
	FIRE BLANKET
	SAFETY LOCKER
	SAFETY SHOWER
	STRETCHER
	BUNKER GEAR
	SCBA
	FIRST AID
	TRAUMA KIT
	OXYGEN



FILE: 6BHEERN.DWG REV 08-08-01

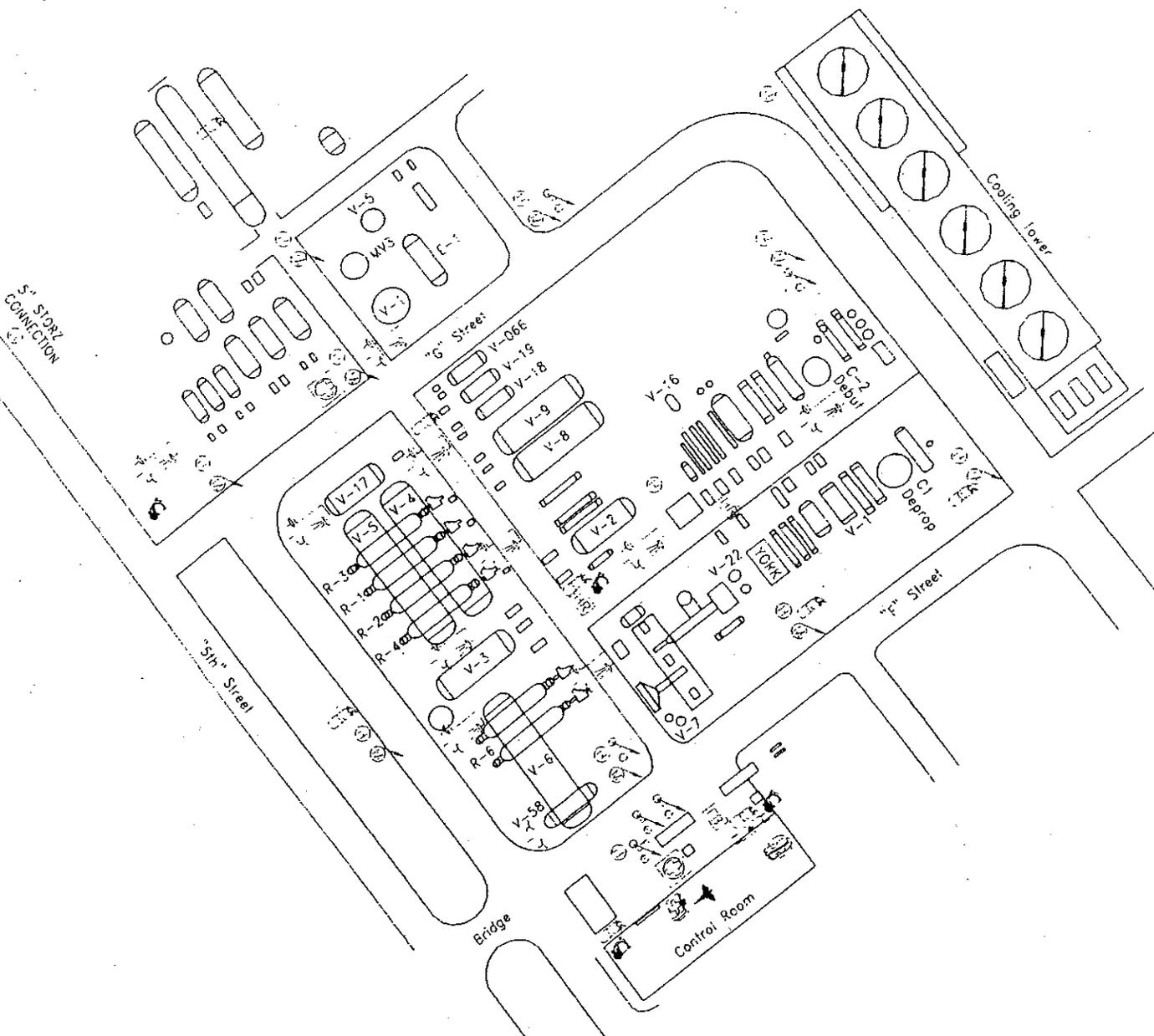
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CHECK	DATE	SCALE	NONE			6BHEERN		2
EQUIPMENT NOS. NONE						Golden Eagle Refinery		
UNIT NO.						1500 Solano Way Martinez, CA 94523		
ACAD NO. FILENAME						PIS/SFC NO. 01000		SHEET 1 OF 1

REV: 03-26-09 6:13 AM
FILE: 6BHEERN.DWG

ALY PLANT EMERGENCY EQUIPMENT LOCATION



KEY			
	FIRE EXTINGUISHER		EYE WASH
	FIRE HOSE		PIPE BLANKETING
	HOSE BOX		SAFETY LOCKER
	HOSE REEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BUNKER GEAR
	GUCCI ATTACH W/ FOAM		SCBA
	SNUFFING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLER		OXYGEN
	STRUCTURE BOOSTER PUMP		REFINERY HORN
	HYDROCHEM STATION		HYDROFOAM STATION

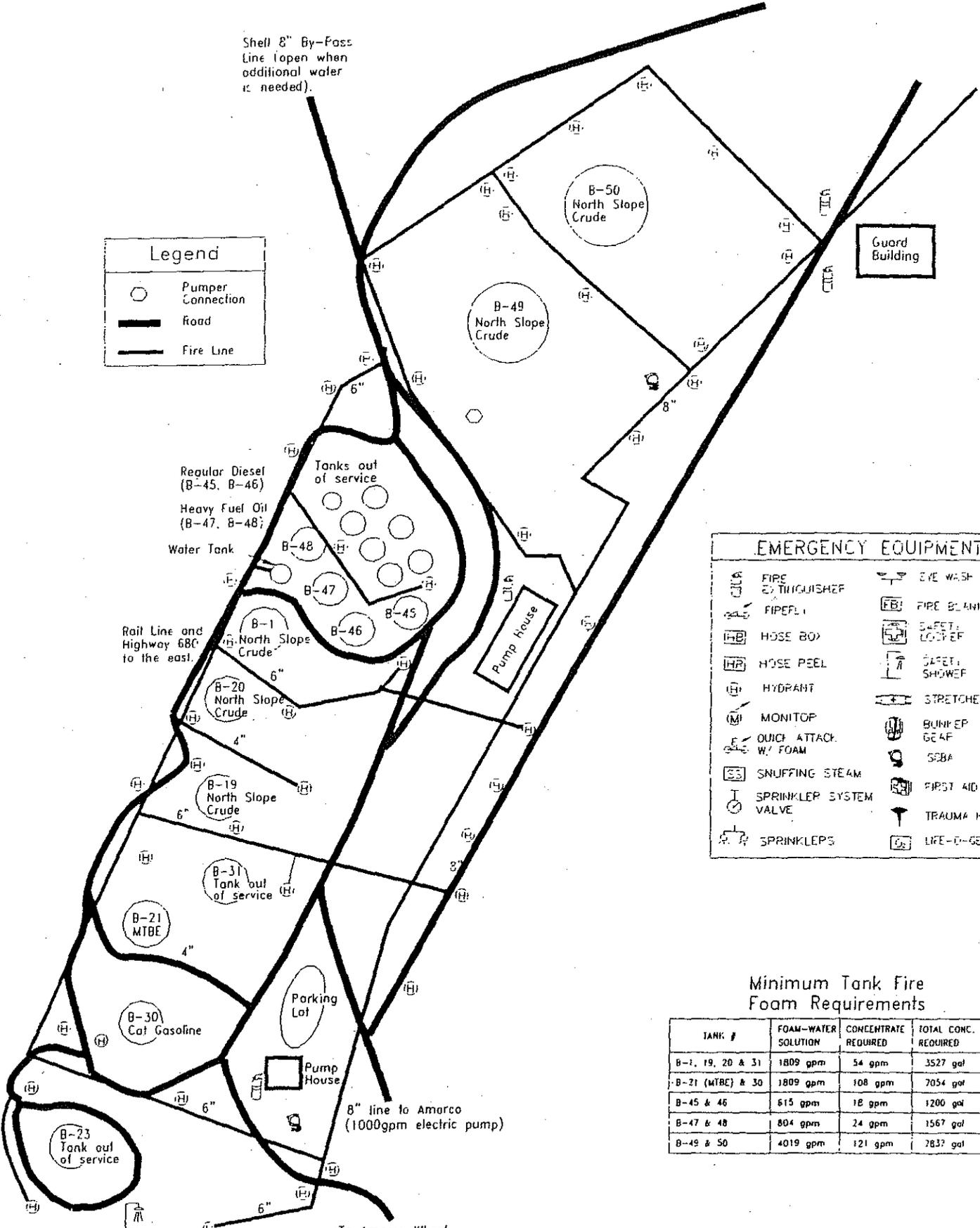


Amarco Fire Water Tank Farm



Shell 8" By-Pass Line (open when additional water is needed).

Legend	
	Pumper Connection
	Road
	Fire Line

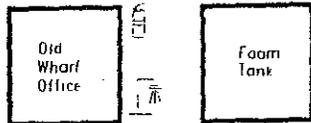


EMERGENCY EQUIPMENT		
	PIPE EXTINGUISHER	
	PIPE L	
	HOSE BOX	
	HOSE PEEL	
	HYDRANT	
	MONITOR	
	QUICK ATTACK W/ FOAM	
	SNUFFING STEAM	
	SPRINKLER SYSTEM VALVE	
	SPRINKLERS	

Minimum Tank Fire Foam Requirements

TANK #	FOAM-WATER SOLUTION	CONCENTRATE REQUIRED	TOTAL CONC. REQUIRED
B-1, 19, 20 & 31	1809 gpm	54 gpm	3527 gal
B-21 (MTBE) & 30	1809 gpm	108 gpm	7054 gal
B-45 & 46	615 gpm	18 gpm	1200 gal
B-47 & 48	804 gpm	24 gpm	1567 gal
B-49 & 50	4019 gpm	121 gpm	7837 gal

AMOCO WHARF



EMERGENCY EQUIPMENT			
	PIPE EXTINGUISHER		EYE WASH
	PIPE BLANKET		SAFETY CUTTER
	HOSE REEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BUNKER GEAR
	QUICK ATTACK W/ FOAM		SCBA
	SNUFFING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLER		LIFE-LINE

Emergency Leak Repair Equipment



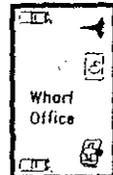
Water



Barrels of Foam



Restroom



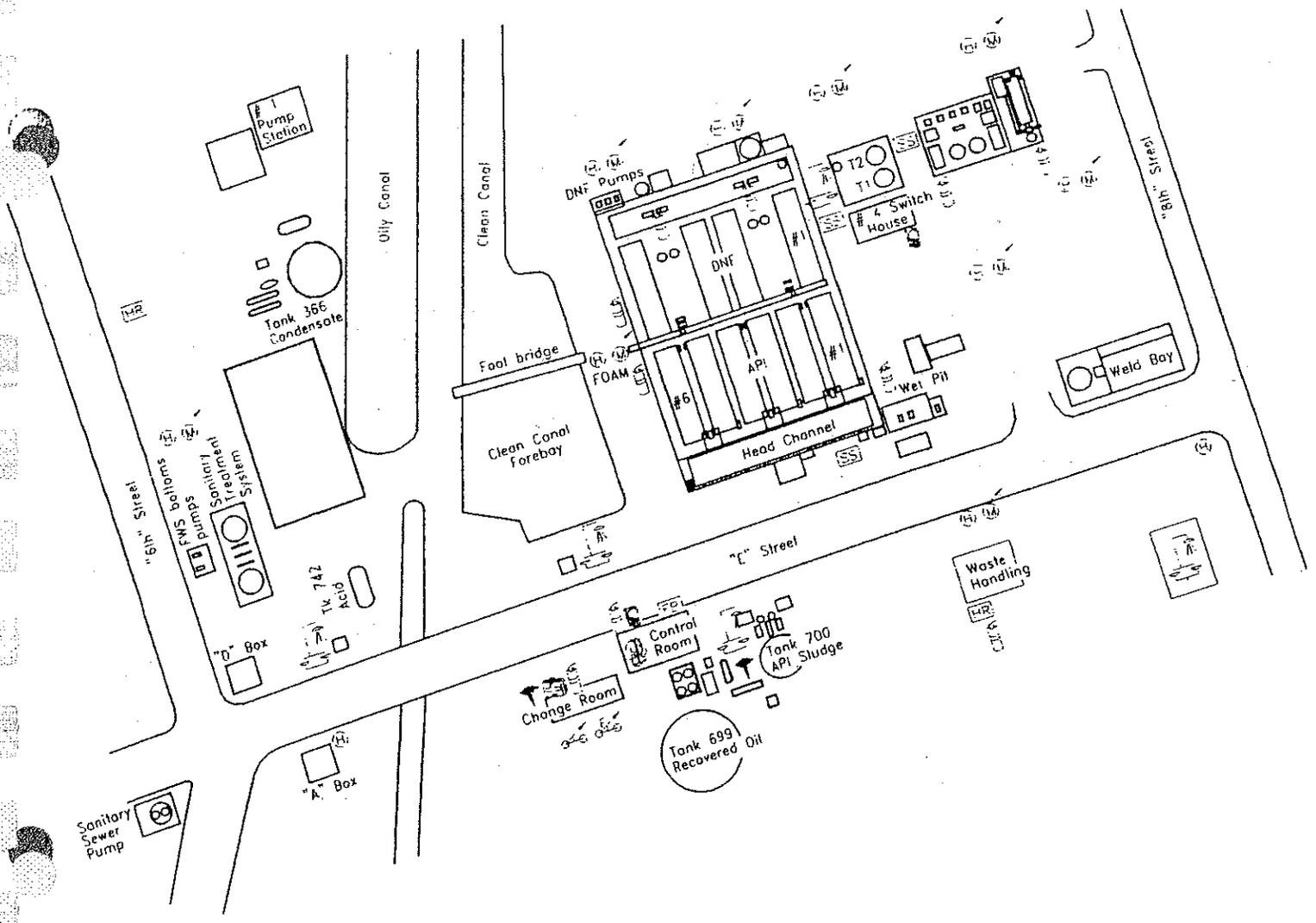
Crude Lines ● Y



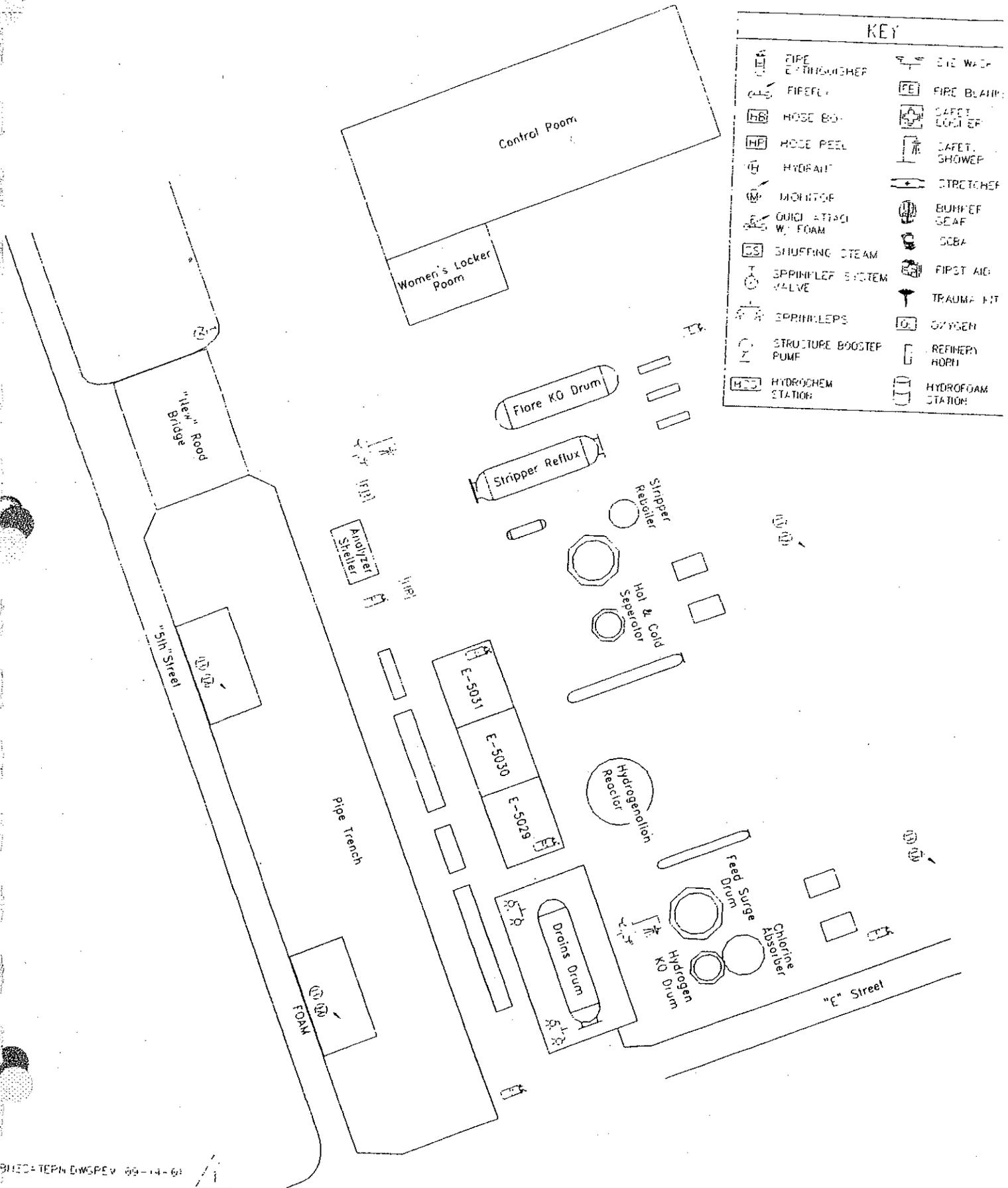
API SEPARATOR EMERGENCY EQUIPMENT LOCATION



KEY			
	FIRE EXTINGUISHER		EYE WASH
	FIREPROOF		FIRE BLANKET
	HOSE BOX		SAFETY LOCKER
	HOSE REEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BLIND EYE GEAR
	QUICK ATTACH W/ FOAM		SCBA
	SNUFFING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLERS		OXYGEN
	STRUCTURE BOOSTER PUMP		REFINED HOB
	HYDROCHEM STATION		HYDROFOAM STATION



BENZENE SATURATION UNIT EMERGENCY EQUIPMENT LOCATION

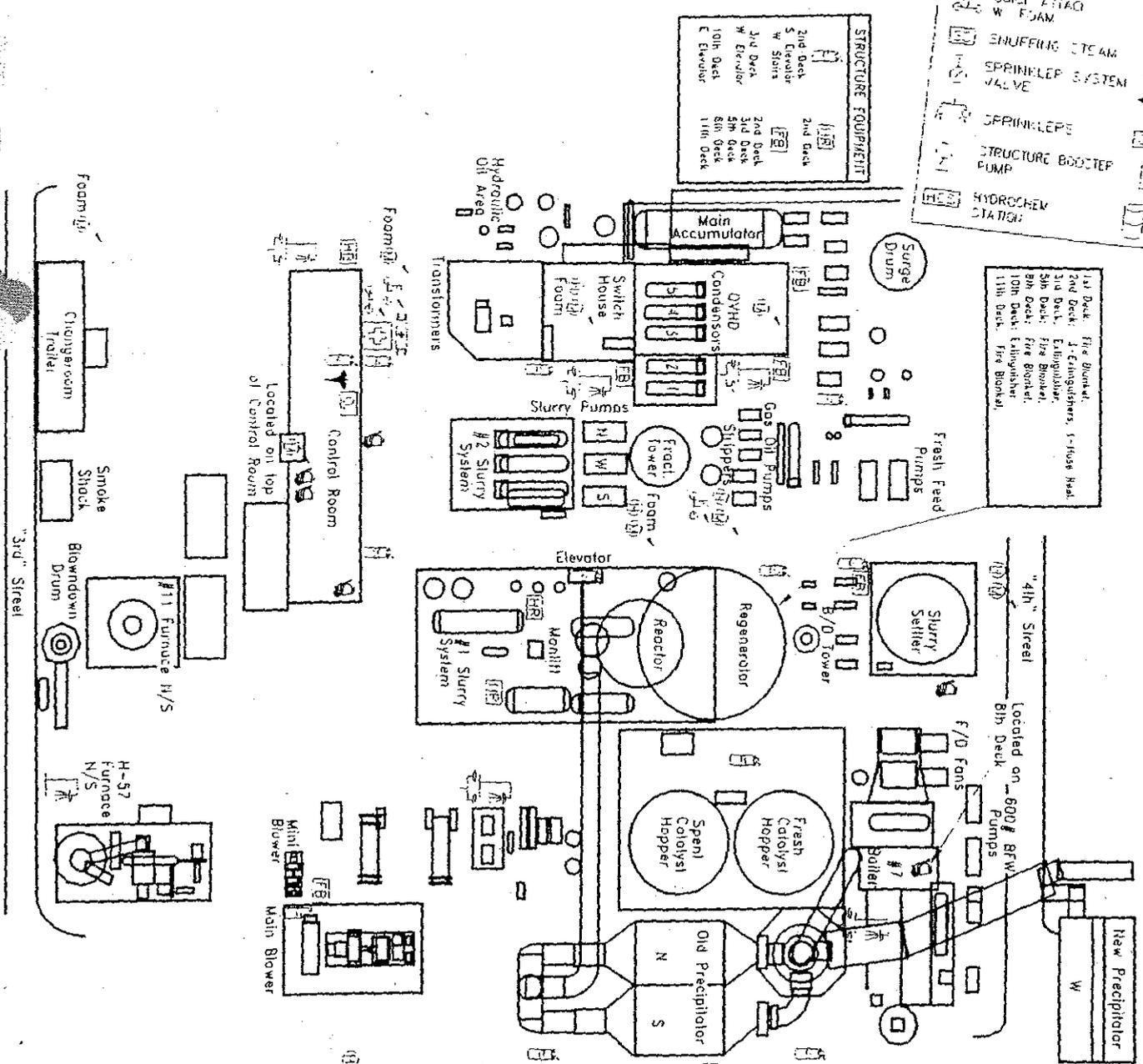


KEY			
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	EXTINGUISHER		FIRE BLANKET
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	HOSE REEL		SAFETY SHOWER
	HOSE REEL		STRETCHER
	HYDRANT		BUFFER SEAL
	MONITOR		SCBA
	QUICK ATTACK W/ FOAM		FIRST AID
	SHUFFLING STEAM		TRAUMA KIT
	SPRINKLER SYSTEM VALVE		OXYGEN
	SPRINKLERS		REFINERY HORN
	STRUCTURE BOOSTER PUMP		HYDROFOAM STATION
	HYDROCHEM STATION		

PLANT OPERATOR EMERGENCY EQUIPMENT LOCATION



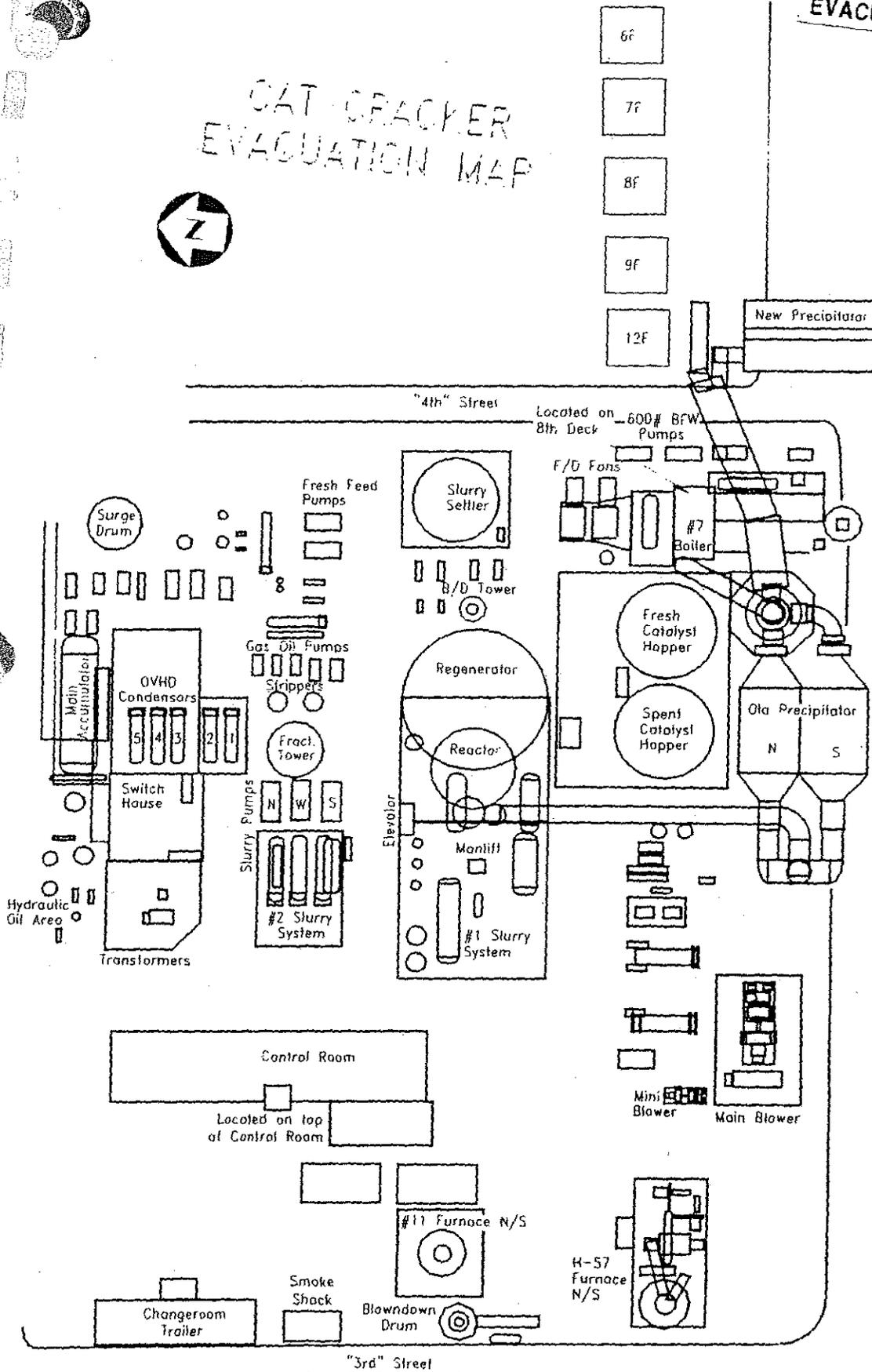
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	HOSE		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		SINKER GEAR
	SUCKER ATTACH W/ FOAM		SCBA
	SNUFFING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLER		OXYGEN
	STRUCTURE BOOSTER PUMP		REFINED HORN
	HYDROCHEM STATION		HYDROFOAM STATION



CAT CRACKER EVACUATION MAP



SECONDARY
EVACUATION

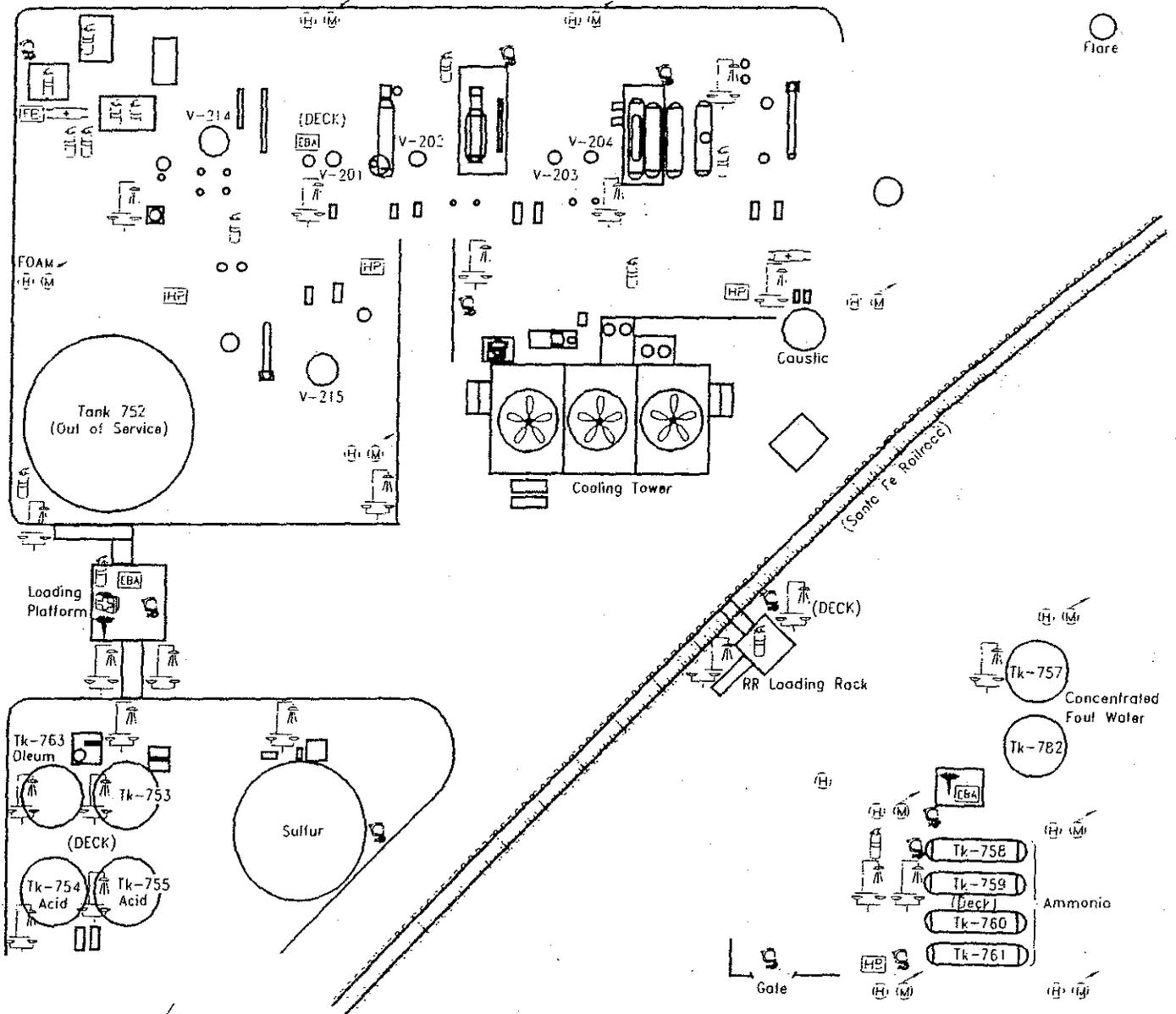


PRIMARY

CHEMICAL PLANT EAST EMERGENCY EQUIPMENT LOCATION



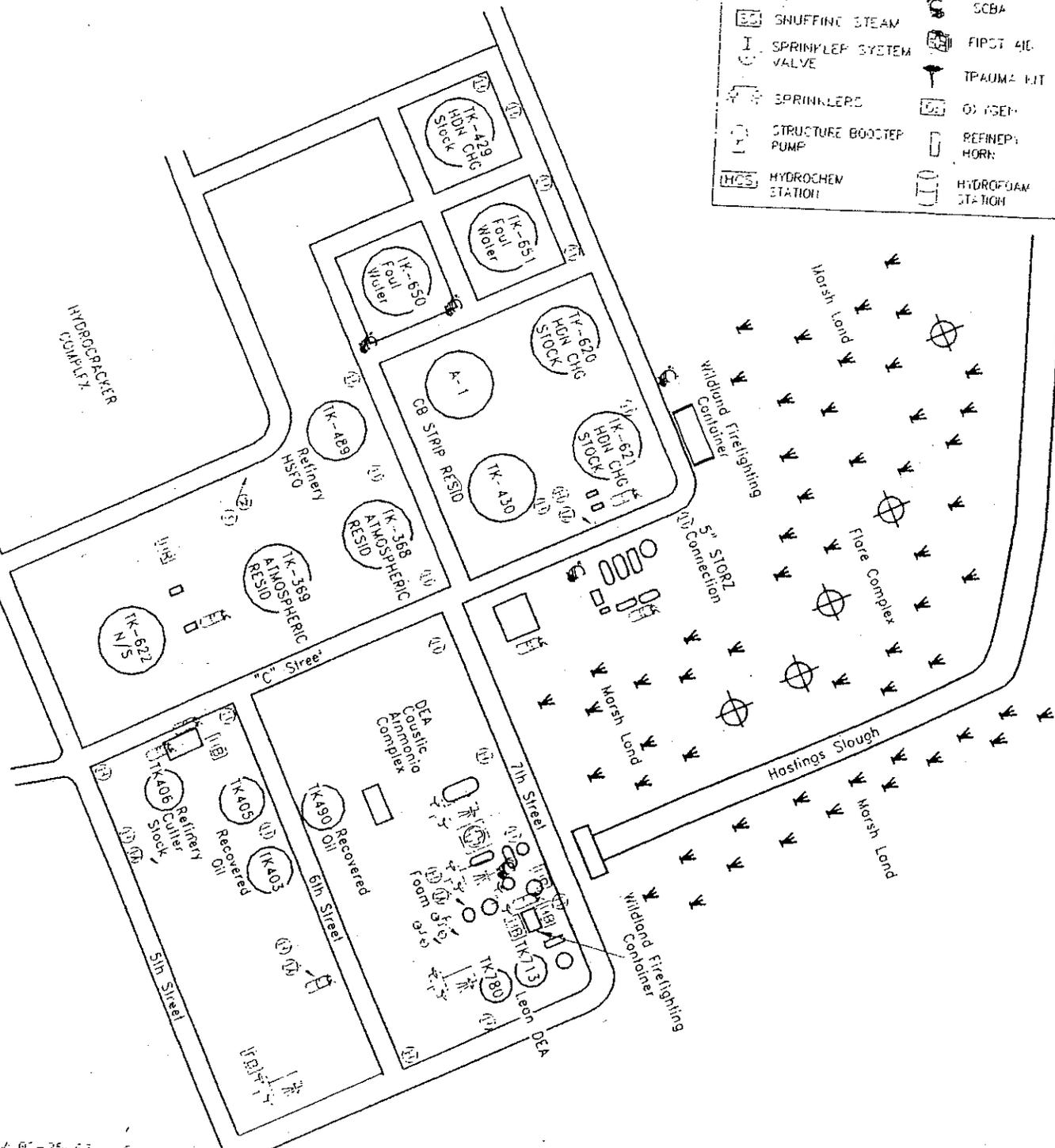
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	PIPE FLANGE		SAFETY LOCKER
	HOSE BOX		SAFETY SHOWER
	HOSE REEL		STRETCHERS
	HYDRANT		BUNKER GEAR
	MONITOR		SCBA
	QUICK ATTACK W. FOAM		FIRST AID
	SNUFFING STEAM		TRAUMA KIT
	SPRINKLER SYSTEM VALVE		OXYGEN
	SPRINKLERS		
	ESCAPE BREATHING APPARATUS		



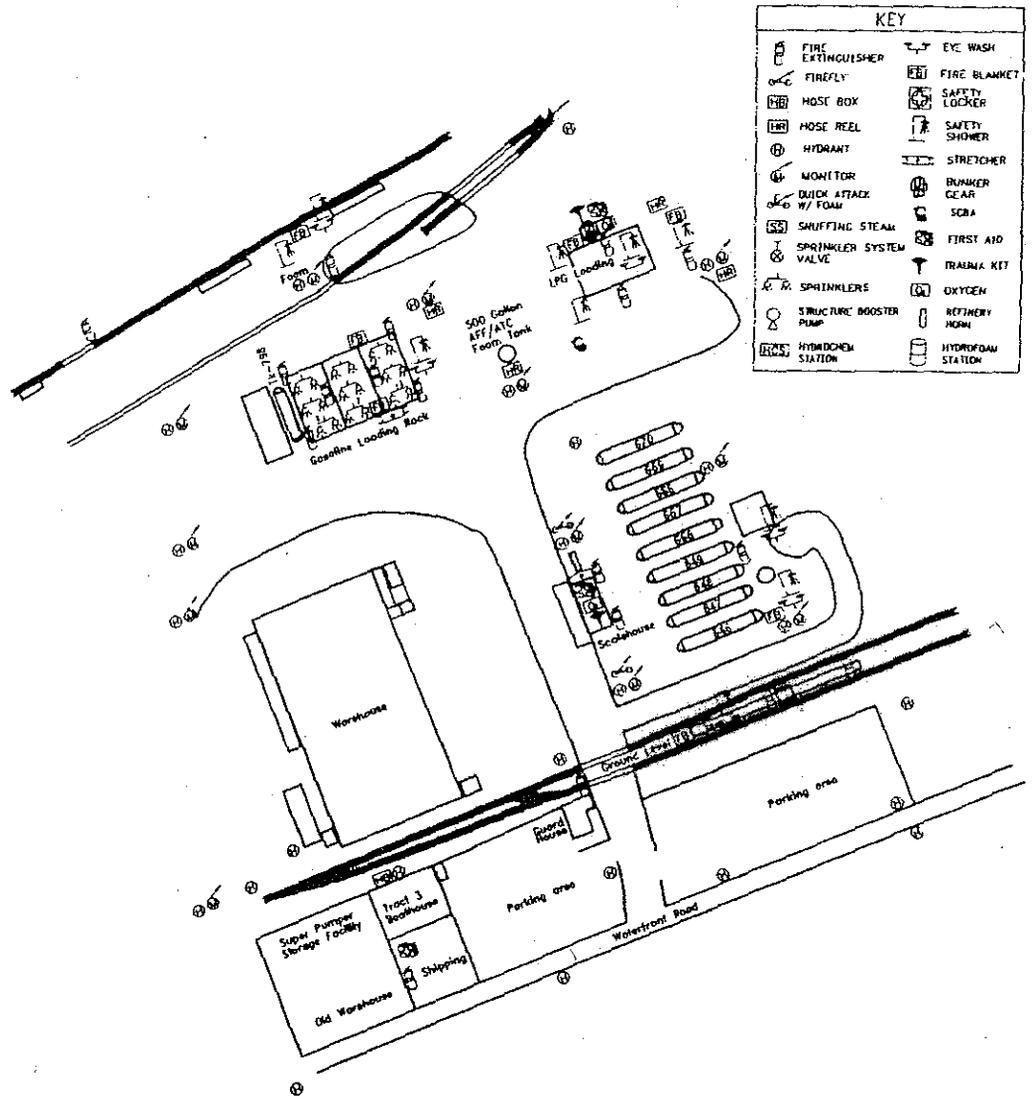
CRACKING AREA PUMPER EMERGENCY EQUIPMENT LOCATION



KEY			
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	PIPEFL		PIPE BLANKET
	HOSE BOX		SAFETY LOCKER
	HOSE PEEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BUNKER GEAR
	QUICK ATTACK W/ FOAM		SCBA
	SNUFFING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLERS		O ₂ GEN
	STRUCTURE BOOSTER PUMP		REFINERY HORN
	HYDROCHEM STATION		HYDROFOAM STATION



TRACT 3 SHIPPING & LOADING RACKS EMERGENCY EQUIPMENT LOCATION



KEY	
	FIRE EXTINGUISHER
	FIREFLY
	HOSE BOX
	HOSE REEL
	HYDRANT
	MONITOR
	QUICK ATTACK W/ FOAM
	SHUFFLING STEAM
	SPRINKLER SYSTEM VALVE
	SPRINKLERS
	STRUCTURE BOOSTER PUMP
	HYDRAMON STATION
	EYE WASH
	FIRE BLANKET
	SAFETY LOCKER
	SAFETY SHOWER
	STRETCHER
	BUNKER GEAR
	SCBA
	FIRST AID
	TRAUMA KIT
	OXYGEN
	REFINERY MAN
	HYDROFOAM STATION

FILE GASLOADN.DWG REV 06-29-81



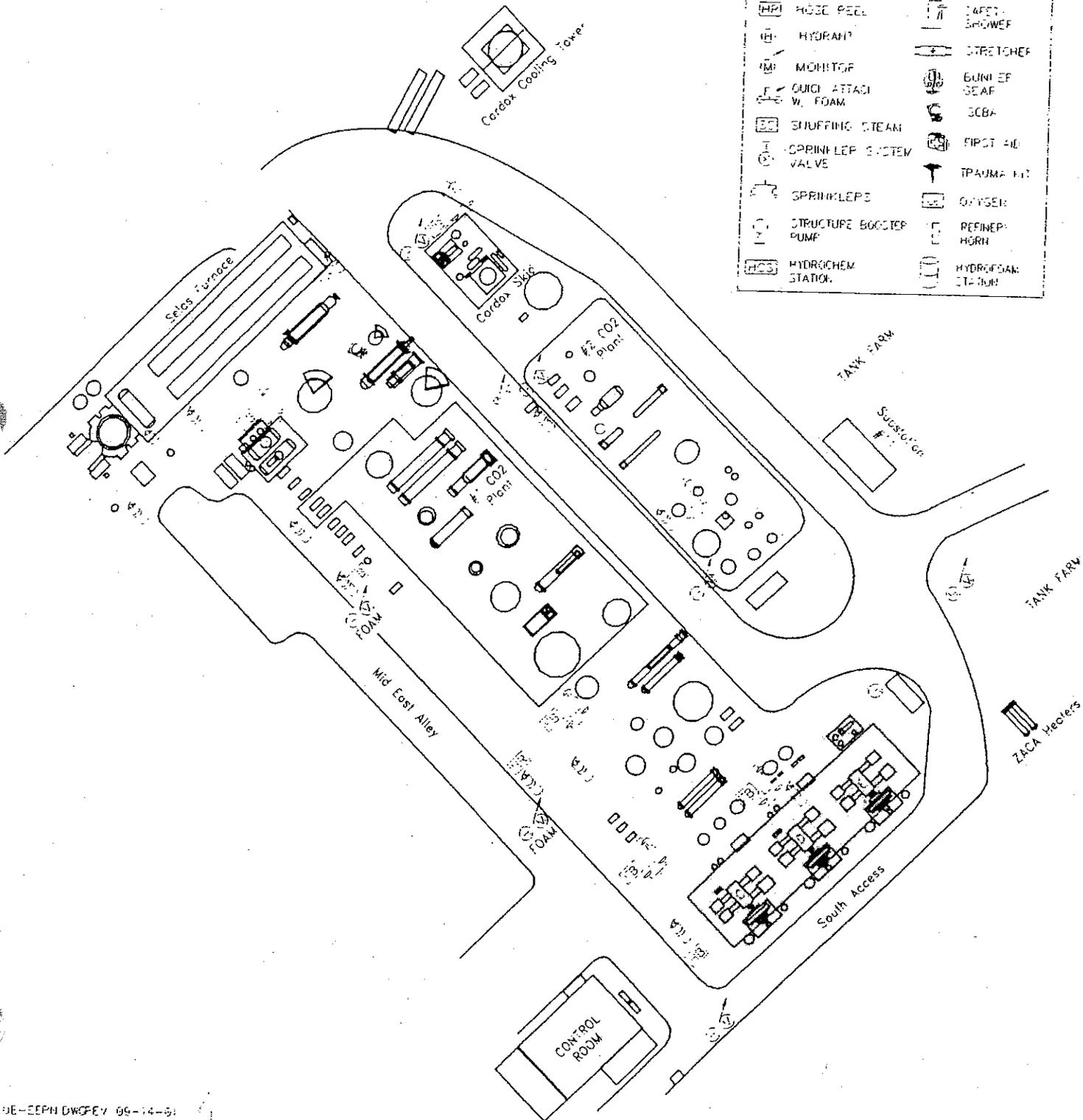
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REV. 03-18-88 6:13 AM FILE: MS.DWG

HYDROPACKER EAST PAD EMERGENCY EQUIPMENT LOCATION



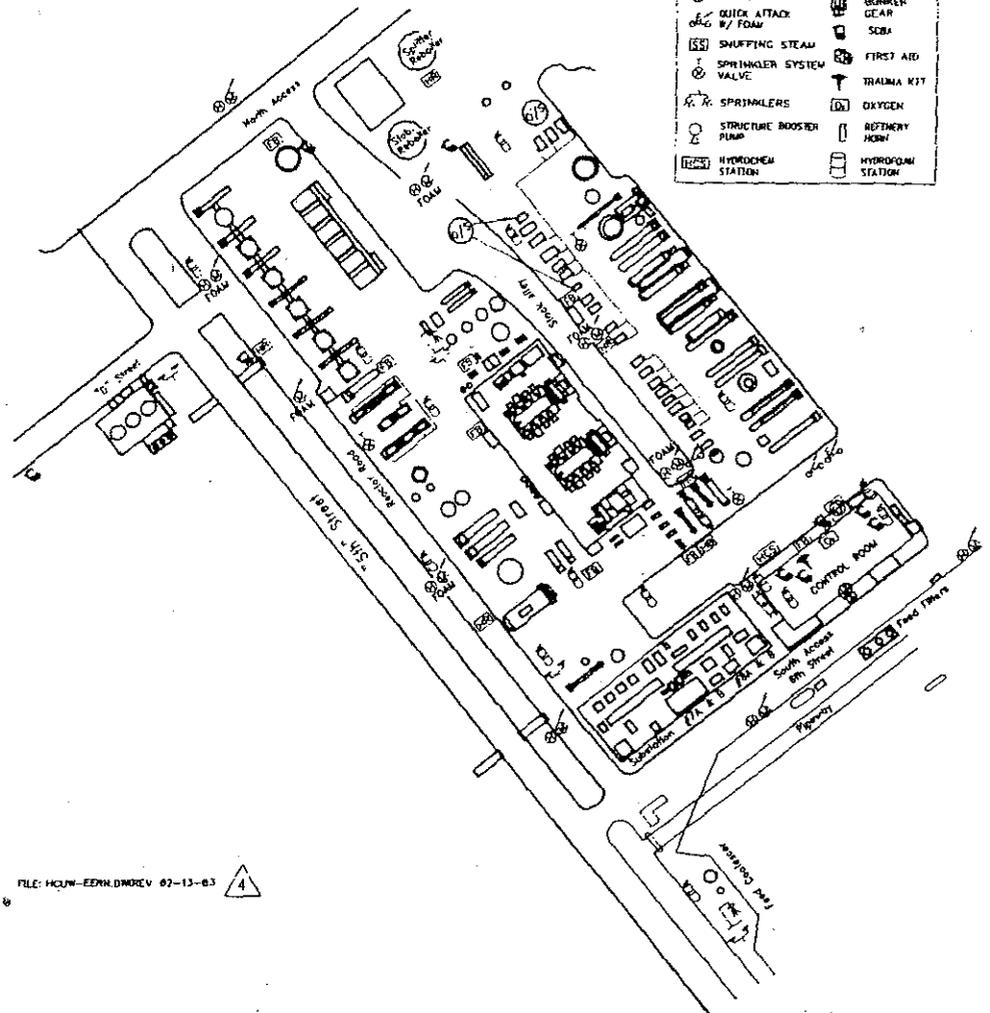
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	PIPE		FIRE BLANKET
	HOSE END		SAFETY LOCKBOX
	HOSE REEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		GUNIEF SEAL
	QUICK ATTACH W. FOAM		SCBA
	SHUFFLING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLERS		OXYGEN
	STRUCTURE BOOSTER PUMP		REFINERY HORN
	HYDROCHEM STATION		HYDROGEN STATION



HYDROCRACKER WEST PAD EMERGENCY EQUIPMENT PLAN



KEY	
	FIRE EXTINGUISHER
	FIREFLY
	HOSE BOX
	HOSE REEL
	HYDRANT
	MONITOR
	QUICK ATTACK W/ FOAM
	SHUTTING STEAM
	SPRINKLER SYSTEM VALVE
	SPRINKLERS
	STRUCTURE BOOSTER PUMP
	HYDROCHEM STATION
	EYE WASH
	FIRE BLANKET
	SAFETY LOCKER
	SAFETY SHOWER
	STRETCHER
	BUNKER GEAR
	SCBA
	FIRST AID
	TRAUMA KIT
	OXYGEN
	REFINERY HORN
	HYDROCYAN STATION



FILE: HCUW-EERN.DWG REV 07-13-03

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MOORE			8/10/03		
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CHECKED		DATE		SCALE:	NONE
APP'D.		DATE			
EQUIPMENT NOS. NONE					
UNIT NO.		ACAD NO.	FILENAME		

EMERGENCY EQUIPMENT PLAN HYDROCRACKER FIRE PLAN

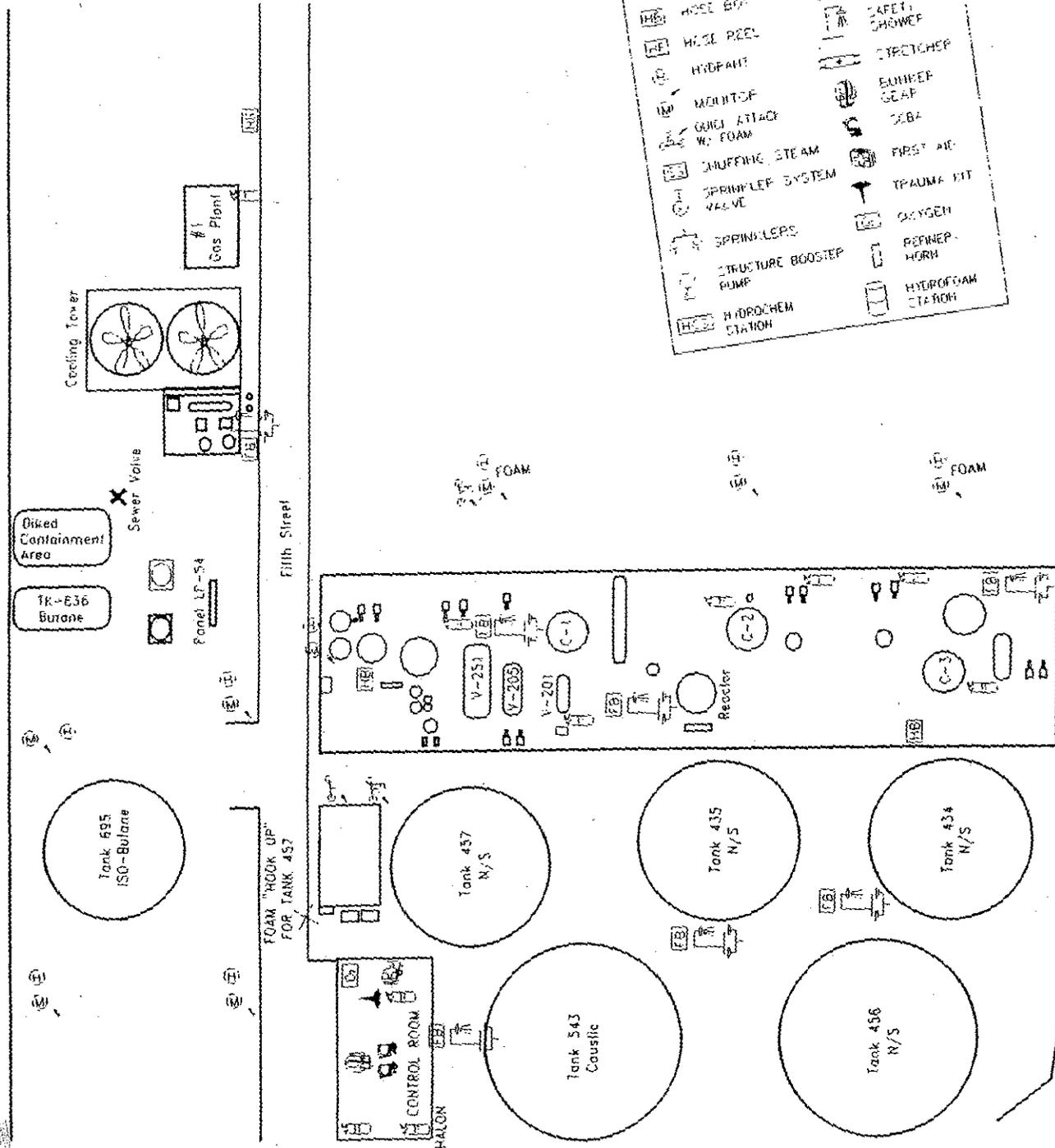
Golden Eagle Refinery 900 Sooma Way New River, CA 94569		DRAWING NUMBER		REV
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PTS/SITE NO. 11111		SHEET		1 OF 1

FILE: HCUW-EERN.DWG REV 07-13-03 6:13 AM

MTEE PLANT EMERGENCY EQUIPMENT LOCATION



KEY	
	FIRE EXTINGUISHER
	FIRE BLANKET
	PIPEFLANGE
	HOSE BOX
	HOSE REEL
	HYDRANT
	MONITOR
	QUICK ATTACH W/ FOAM
	SHUTOFF STEAM
	SPRINKLER SYSTEM VALVE
	SPRINKLERS
	STRUCTURE BOOSTER PUMP
	HYDROCHEM STATION
	EYE WASH
	SAFETY SHOWER
	SAFETY SHOWER
	STRETCHER
	BUCKET GEAR
	SCBA
	FIRST AID KIT
	TRAUMA KIT
	OXYGEN
	REFLECTOR HORN
	HYDROFOAM STATION

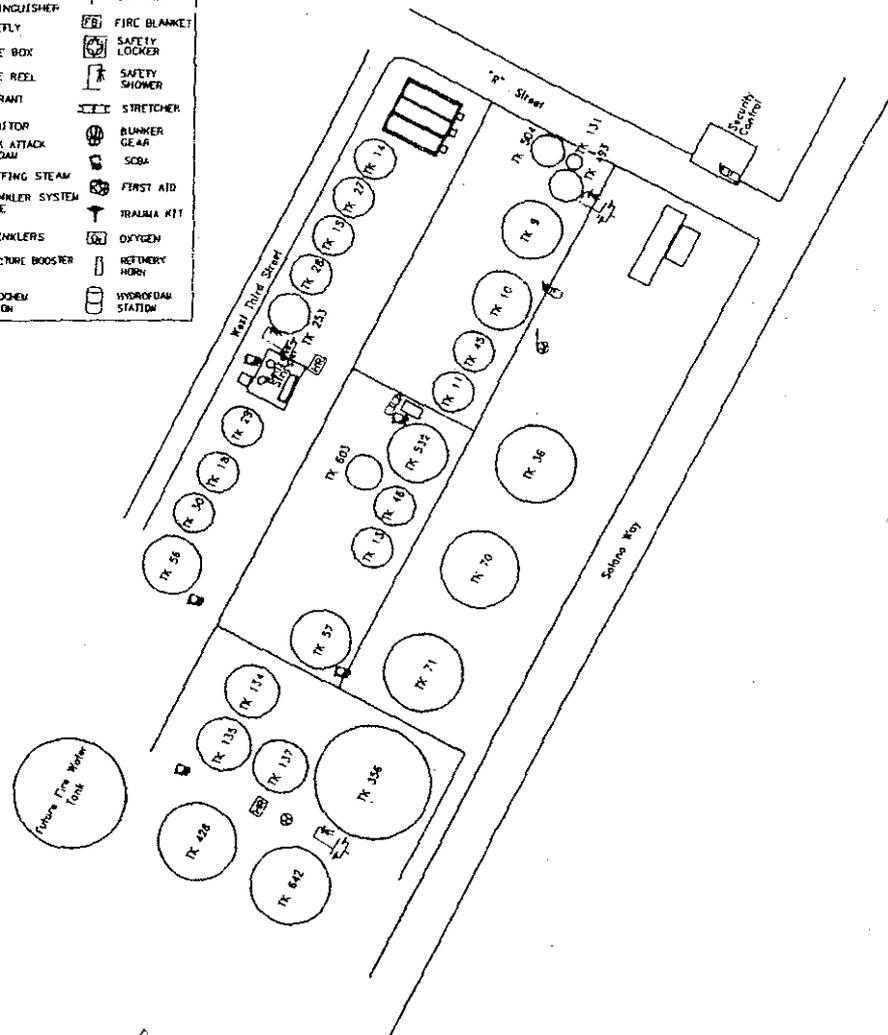


LE MTEEER: DWG FEB 99-17-01
LE PE: MWCED FEB 00-12-03

TRACT 2 TANK FARM EMERGENCY EQUIPMENT LOCATION



KEY			
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	FIREFLY		FIRE BLANKET
	HOSE BOX		SAFETY LOCKER
	HOSE REEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BLANKER GEAR
	DUCK ATTACK W/ FOAM		SCBA
	SNUFFING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLERS		OXYGEN
	STRUCTURE BOOSTER PUMP		REFINERY HORN
	HYDROCHEM STATION		HYDROFOAM STATION



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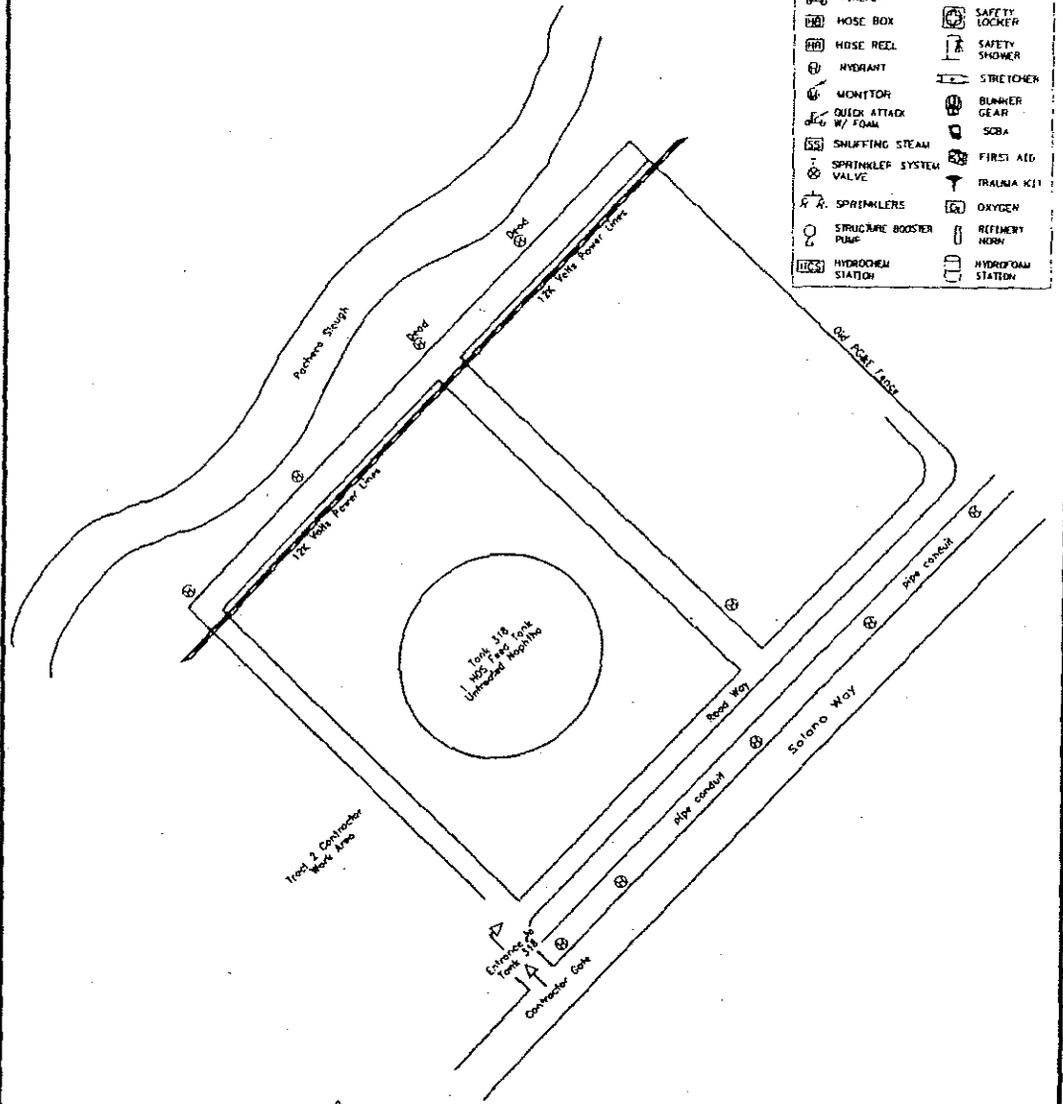
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CHECK	DATE		SCALE:		NONE	Golden Eagle Refinery 100 Salomo Way Marietta, GA 30060			
APP'D	DATE								DRAWING NUMBER
EQUIPMENT NOS. NONE				UNIT NO.		TK-ZERN		2	
ACAD NO.				FILENAME		PTS/SFC NG FFFF		SHEET 1 OF 1	

FILE: ADW.CDWG REV: 01-28-09 0:13 AM

TANK 318 (TRACT 2) EMERGENCY EQUIPMENT LOCATION



KEY			
	FIRE EXTINGUISHER		EYE WASH
	FIREFLY		FIRE BLANKET
	HOSE BOX		SAFETY LOCKER
	HOSE REEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BUNKER GEAR
	QUICK ATTACK W/ FOAM		SCBA
	SHUTTING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLERS		OXYGEN
	STRUCTURE BOOSTER PUMP		RETIMER HORN
	HYDROCHEM STATION		HYDROFOAM STATION



FILE: TK318-ERN.DWG REV. 18-00-01 2

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CHECKED:			DATE:			PROJECT NO.					
APP'D.:			DATE:			SCALE:			ENGR. SUPT.		
EQUIPMENT NOS. NONE			NONE			NONE			NONE		
UNIT NO.			ACAD NO.			FILENAME			DRAWING NUMBER		
									TK318-ERN		
									PTS/SFE NO. 11111		
									SHEET 1 OF 1		

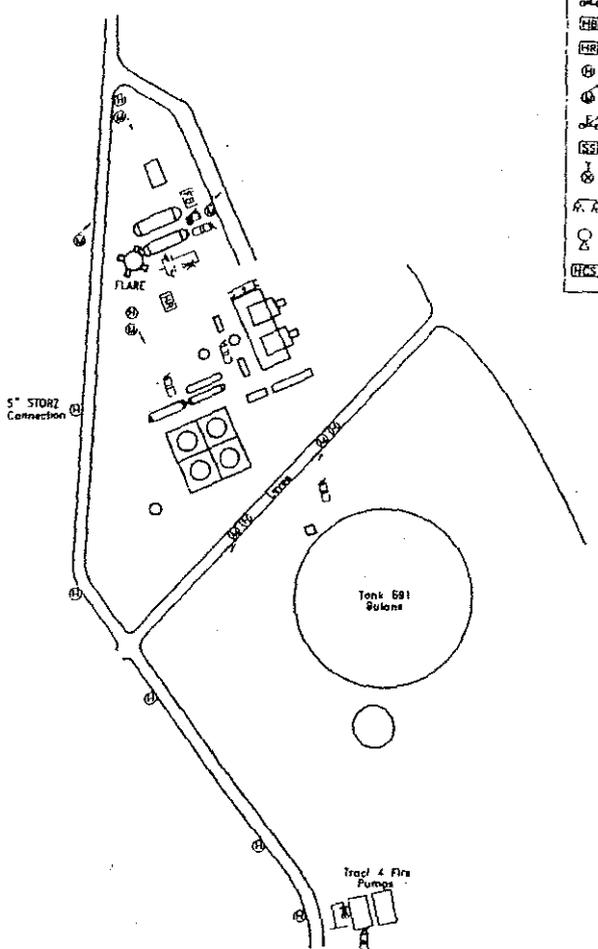
Golden Eagle Refinery
190 Solano Way
Martinez, CA 94553

FILE: A010101.DWG REV. 01-01-00 8:13 AM

TANK 691 (TRACT 4) EMERGENCY EQUIPMENT LOCATION



KEY	
	FIRE EXTINGUISHER
	FIRE BLANKET
	FIREFLY
	SAFETY LOCKER
	HOSE BOX
	SAFETY SHOWER
	HOSE REEL
	STRETCHER
	HYDRANT
	MONITOR
	BLUMPER DEAF
	DUCK ATTACK W/FOAM
	SOBA
	SNUFFING STEAM
	FIRST AID
	SPRINKLER SYSTEM VALVE
	TRAUMA KIT
	SPRINKLERS
	OXYGEN
	STRUCTURE BOOSTER PUMP
	RETINORY HORN
	HYDROCHEM STATION
	HYDROFOAM STATION



FILE: TK691ERN.DWG REV 06-29-01

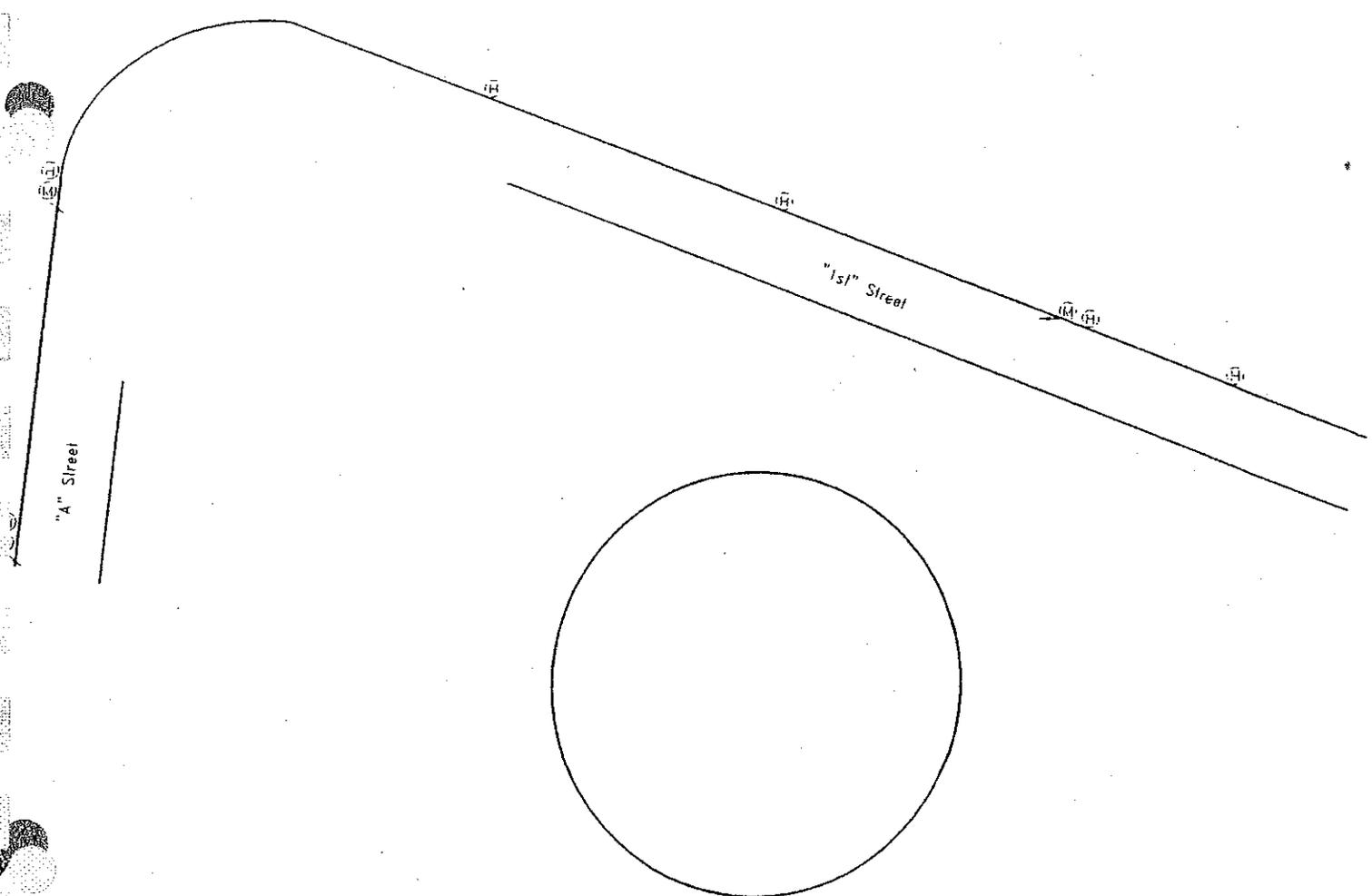
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APP'D:			DATE:			SCALE:			NONE		
EQUIPMENT NOS.:			NONE			UNIT NO.:			ACAD NO.:		
UNIT NO.:			ACAD NO.:			FILENAME:			Golden Eagle Refinery 160 Bolinas Way Marinwood, CA 94963		
DRAWING NUMBER:			TK691ERN			DRAFTING NUMBER:			REV: 2		
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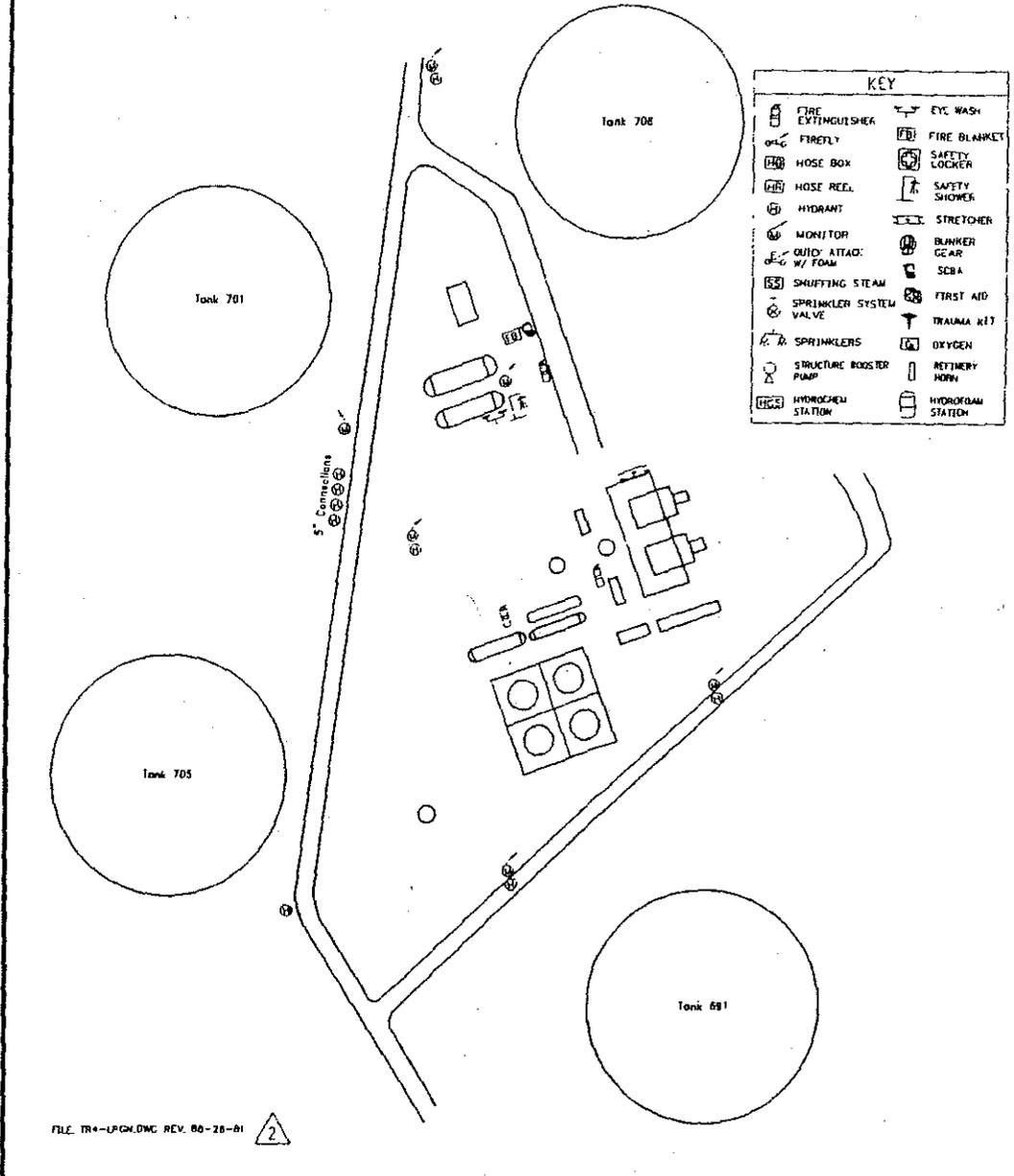
TANK #894 EMERGENCY EQUIPMENT LOCATION



KEY			
	FIRE EXTINGUISHER		EYE WASH
	FIREFLY		FIRE BLANKET
	HOSE BOX		SAFETY GLASSES
	HOSE REEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BURNER GEAR
	QUICK ATTACK W/ FOAM		SCBA
	SNUFFING STEAM		FIRST AID
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLERS		OXYGEN
	STRUCTURE BOOSTER PUMP		REFINERY HOPS
	HYDROGEN STATION		HYDROFOAM STATION



TRACT 4 LPG EMERGENCY EQUIPMENT LOCATION



KEY	
	FIRE EXTINGUISHER
	FIRE BLANKET
	FIREFLY
	HOSE BOX
	HOSE REEL
	HYDRANT
	MONITOR
	OUIDY ATTAD: W/ FOAM
	SHUFFLING STEAM
	SPRINKLER SYSTEM VALVE
	SPRINKLERS
	STRUCTURE BOOSTER PUMP
	HYDROCHEM STATION
	EYE WASH
	SAFETY LOCKER
	SAFETY SHOWER
	STRETCHER
	BUNKER GEAR
	SCBA
	FIRST AID
	TRAUMA KIT
	OXYGEN
	RETRIEVER
	HYDROFOAM STATION

FILE: TR4-LPGN.DWG REV. 80-28-81



DESIGNED BY:	MOORE	DATE:	03/07/83	APPROVED FOR CONSTRUCTION		
CHECKED BY:		DATE:		PROJECT NO.:	DATE:	ENGR. SUPT.:
APP'D BY:		DATE:		SCALE:	NONE	
EQUIPMENT NOS.:	NONE					
UNIT NO.:	ACAD NO.:	FILENAME				

EMERGENCY EQUIP LOCATION PLAN TRACT 4 LPG FIRE PLAN

Golden Eagle Refinery
180 Solman Way
Bartlett, CA 94583

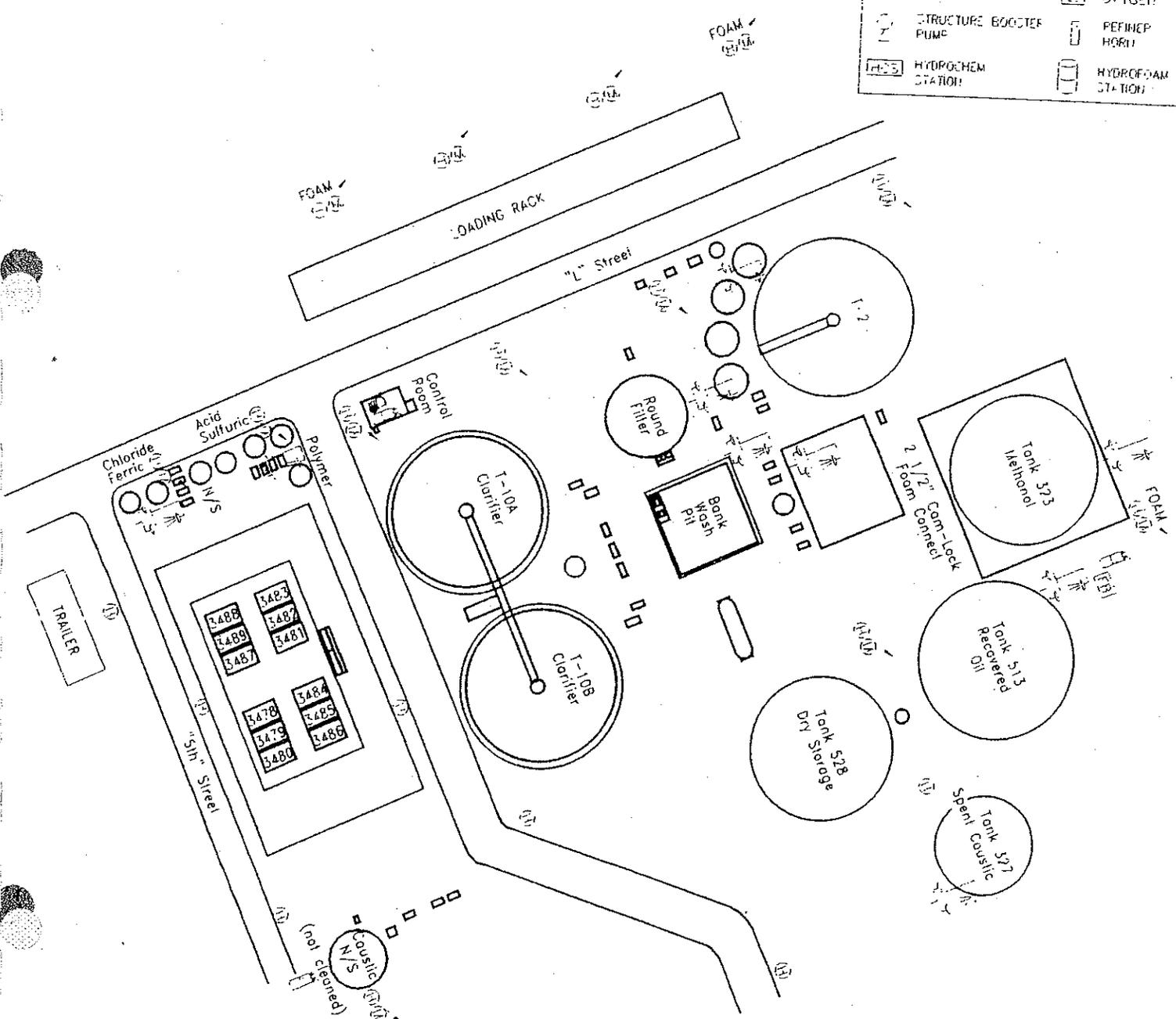
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PIS/SYS NO. 11111	SHEET 1 OF 1

FILE: AQW.DWG REV. 83-08-88 8:13 AM

WASTE WATER TREATMENT EMERGENCY EQUIPMENT LOCATION



KEY			
	PIPE WRENCH		EYE WASH
	ROPE		FIRE EXTINGUISHER
	HOSE REEL		SAFETY BOOT
	HOSE REEL		SAFETY SHOWER
	HYDRANT		STRETCHER
	MONITOR		BUNKER GEAR
	QUILT ATTACHED W FOAM		SCBA
	SNUFFING STEAM		FIRE EXTINGUISHER
	SPRINKLER SYSTEM VALVE		TRAUMA KIT
	SPRINKLER		OXYGEN
	STRUCTURE BOOSTER PUMP		REFINED HORN
	HYDROCHEM STATION		HYDROFOAM STATION



APPENDIX F
MAJOR FIRE FIGHTING EQUIPMENT AND VEHICLES

MAJOR FIRE FIGHTING EQUIPMENT AND VEHICLES

EQUIPMENT NAME	DESCRIPTION	LOCATION	USE
Engine 9 Snorkel	1000 gal ATC Foam 75' Boom/Ladder 1500 gpm Pump 1000 gpm Nozzle 1000' 3" Hose Interface Equip.	Tract 2 Garage	Process Unit Fires Tank Fires Mutual Aid
Diamond "T"	1250 gpm Pump 900 gal ATC Foam 1000' 2-1/2" Hose Interface Equip.	Tract 2 Garage	Tank Fires Mutual Aid
Foam Tender Tanker	1500 gal ATC Foam Interface Equip.	Tract 2 Garage	Tank Fires Mutual Aid
SuperPumper Tractor	F-9000 Ford Diesel Tractor 800' 5" Hose	Tract 3 Garage	Process Unit Tank Fires Mutual Aid
#1 SuperPumper	40' Trailer 500 hp Diesel 5000 gpm Pump (2) 1000 gal ATC Foam Tanks (2) 2000 gpm fixed Hired Gun Monitors 2000' 5" Hose Interface Equip.	Tract 3 Garage	Process Unit Tank Fires Mutual Aid
#2 SuperPumper	40' Trailer (Removable) 500 hp Diesel 5000 gpm Pump (Package) (2) 1000 gal ATC Foam Tanks 2000' 5" Hose Interface Equip.	Tract 3 Garage	Process Unit Marine Tank Fires Mutual Aid

MAJOR FIRE FIGHTING EQUIPMENT AND VEHICLES (Continued)

EQUIPMENT NAME	DESCRIPTION	LOCATION	USE
#3 SuperPumper	45' Trailer (Removable) (10) 400 gal ATC Foam Tanks 120 gpm Foam Transfer Pump	Tract 3 Garage	Support Foam Supply Process Unit Marine Tank Fires Mutual Aid
Car 8	Grass/Oil Attack Truck 250 gal Water 30 gal ATC Foam 90 gpm Pump 1-1/2" Hose (2) 1" Hose Reels	Health & Safety Office	Small Spills Petroleum & Grass Fires
Ford 4 x 4 3/4 ton Truck	Grass Attack Truck 250 gal Water 1" Hose Reel Interface Equip.	Health & Safety Office	Quick Response Grass Fires
(3) Ford 150 Pick-ups	Firefly 500 gpm Portable Monitors 400' 3" Hose 200' 1-3/4" Hose w/125 gpm Nozzle (2) SCBA's Interface Equip.	Health & Safety Office	Quick Response Daily H&S Duties
(1) Ford 150 Pick-up	Stationary Mounted 500 gpm Monitor 200' 3" Hose 500 gpm H.F. Nozzle 20 gal ATC Foam Interface Equip.	Health & Safety Office	Quick Response Daily H&S Duties

MAJOR FIRE FIGHTING EQUIPMENT AND VEHICLES (Continued)

EQUIPMENT NAME	DESCRIPTION	LOCATION	USE
(1) Dodge 1 ton Truck	1000 gpm Portable Monitor 1000' 3" Hose (2) SCBA's 200' 1-1/3" Hose w/125 gpm Nozzle Interface Equip. Medical Supplies	Health & Safety Office	Quick Response Daily H&S Duties
(2) Hose Trailers	1500' 2-1/2" Hose	Hose Rack Garage	Hose Supply Mutual Aid
(7) Portable Monitors	Firefly 500 gpm Nozzle 100'3" Hose	Process Areas	First Attack Vapor/Fires
(30) Hydro-Foam Station (Fixed)	Water/Foam Monitor 500 gpm Nozzle (21) 55 gal ATC (4) 220 gal ATC	Process Areas Wharves	Spills/Fires First Attack One Person Operation
(16) 35 Quick Attack Wheeled (Portable)	35 gal ATC Foam 100' 2" Hose 175 gpm Monitor Nozzle	Process Areas Wharves	Spills/Fires First Attack One Person Operation
Oscillating Hydro-Foam Station	Water/Foam Monitor 500 gpm Nozzle 55 gal ATC Foam	3 HDS Unit (Fixed)	Protection for hot oil filters
(230) Water Monitors (Fixed)	500 gpm Fog Nozzle	Process Areas Wharves	Vapor/Fires First Attack One Person
Water/Foam Hose Reel Station	110 gal ATC Foam 100' 1-1/2" Hose 95 gpm Nozzle	3 Crude Unit (Fixed)	Protection Hot Pmp. Rm. One Person

MAJOR FIRE FIGHTING EQUIPMENT AND VEHICLES (Continued)

EQUIPMENT NAME	DESCRIPTION	LOCATION	USE
Water/Foam Hose Reel (Portable)	110 gal ATC Foam 100' 1-1/2" Hose 95 gpm Nozzle	Fire/Drill Grounds	Spill/Fires One Person
HAZMAT Trailer	HAZMAT Response Equipment	Hose Rack Garage	HAZMAT Incident
Rescue Van	Rescue Response Equipment	Health & Safety	First Response
"Top Gun" "Hired Gun" Monitors (Portables)	4000 gpm Nozzle 2000 gpm Nozzle Water/Foam	#3 Trailer Tract 3 Garage	Process Unit Tank/Marine Mutual Aid
"Hired Gun" Monitor Wheeled	Water/Foam 2000 gpm Nozzle Interface Equip.	Tract 3 Garage	Process Unit Tank Fires Mutual Aid
"2 x 4 Gun" Monitor Wheeled	Water/Foam 2000/4000 gpm Noz. Interface Equip.	Tract 3 Garage	Process Unit Tank Fires Mutual Aid
"Son of a Gun" Monitor Wheeled	Water/Foam 1250 gpm Nozzle Interface Equip.	Tract 3 Garage	Process Unit Tank Fires

APPENDIX G
SPILL CONTROL/CLEANUP AND LOCATIONS

**HAZARDOUS WASTE SPILL CONTROL & CLEANUP EQUIPMENT
LOCATION & INVENTORY**

EQUIPMENT STOREHOUSE	TRACT 1	TRACT 3 BOATHOUSE	DRUM MGT. AREA	FTUs AREAS
Flatbeds	X			
Vacuum Trucks	X			
Dump Truck	X			
Backhoe	X			
Mobile Cranes	X			
Boom Trailer (License No. VS59608)				
- Portable Electric Power Unit (Model No. 32711, 1800 watt, hp Craftsman, 4 cycle, 3600 rpm)		X		
- Waterous Flow to Pump Forestry 1-1/2		X		
- Bundles of Oil Sorbent Sausage (Type 270)		X		
- Bundles of Oil Sorbent Sausages (Type 126)		X		
- Bundles of Oil Sorbent Sheets (Type 151)		X		
- Large Plastic Bags		X		
- Rakes		X		
Boom Trailer				
- Pitchforks		X		
- Shovels		X		
- Picks		X		
Miscellaneous (open top drums w/lids, shovels, pitchforks, rakes, etc.)	Central Tool Room			
Suits, P.P.E.	Respiratory Center			
Haz Mat Trailer				
- Tarps/drop cloth	X			
- Duct tape	X			
- Hazard tape	X			
- Hacksaw	X			
- Hammer	X			
- Pipe wrenches	X			
- Socket wrenches	X			

**HAZARDOUS WASTE SPILL CONTROL & CLEANUP EQUIPMENT
LOCATION & INVENTORY (Continued)**

EQUIPMENT STOREHOUSE	TRACT 1	TRACT 3 BOATHOUSE	DRUM MGT. AREA	FTUs AREAS
Haz Mat Trailer (continued)				
- Decon shower	X			
- Decon brushes	X			
- Decon pools	X			
- Hooded tyveks	X			
- Saranex hooded tyveks	X			
- Gloves (PVC, Nitrile, Butyl)	X			
- 60 min SCBA's	X			
- Full level A suit	X			
- Full level B suit	X			
- Full level C suit	X			
- Full & half face respirators	X			
- Cartridges	X			
- Long underwear & socks	X			
- Patching & Plugging Equip.	X			
- Chlorine "B" Kit	X			
Bundles of Oil Sorbent Sweeps (Type 126)		X		
Bundles of Oil Sorbent Sheets (Type 151)		X		
Bundles of Oil Sorbent Sausages (Type 270)		X		
Rolls of Oil Sorbent (Type 100)		X		
Boxes of Petro Mesh (No. 3090020)		X		
Boxes of Crude Snares		X		

**HAZARDOUS WASTE SPILL CONTROL & CLEANUP EQUIPMENT
LOCATION & INVENTORY (Continued)**

EQUIPMENT STOREHOUSE	TRACT 1	TRACT 3 BOATHOUSE	DRUM MGT. AREA	FTUs AREAS
HW Supply Shed				
- Rakes			X	
- Shovels			X	
- Solid A Sorb (25 lb. sacks)			X	
- Picks			X	
- Squeegees			X	
- Pitchforks			X	
- Push brooms				X
- Hoe			X	
- Diaphragm pump			X	
- Barred			X	
- Digging bar			X	
- 10 lb. sledge hammer			X	
- Vacuum lid and bag			X	
- Manual forklift barrel dumper			X	
- 5 gal. buckets			X	
- 100' air hose			X	
- 20' vac. hose			X	
HW Safety Locker				
- Acid suits			X	
- Goggles			X	
- Blankets			X	
- Gloves			X	
- Pr. rubber boots			X	

**HAZARDOUS WASTE SPILL CONTROL & CLEANUP EQUIPMENT
LOCATION & INVENTORY (Continued)**

EQUIPMENT STOREHOUSE	TRACT 1	TRACT 3 BOATHOUSE	DRUM MGT. AREA	FTUs AREAS
- Ropes		X		
- 100-foot Roll of Sash		X		
- Pitchforks		X		
- Flashlights		X		
- Rakes		X		
- Plastic Battery Cover		X		
- Picks		X		
- 8 lb. Sledge Hammer		X		
- Ring Snare Cables		X		
- Shovels		X	X	
- Boxes of Large Plastic Bags (Brown 38-in. x 64-in. x .004-in.)		X		
- 55 Gallon Barrels w/lids		X		

SPILL CLEANUP EQUIPMENT FOR REFINERY FTUS

The following spill cleanup equipment is present at every Tosco FTU:

- Chemical Suits
- Goggles
- Face Shields
- Blankets
- Acid Resistant Gloves
- Acid Resistant Boots
- pH Paper
- Absorbent
- Shovels
- Acid Neutralizer
- Hazard Barrier Tape
- Coveralls/Tyvek

APPENDIX H
REPORTING CHECKLIST WITH REPORTABLE QUANTITIES
AND DOCUMENTATION FORM

HAZARDOUS WASTE DETERMINATION AND REPORTING CHECKLIST

If a fire, explosion or release involving hazardous waste should occur, notifications to regulatory agencies may be required. It is important to first accurately determine whether the substance involved is a waste and then whether the substance is a hazardous waste, in order to make the proper notifications to the correct agencies which deal with hazardous waste incidents. This checklist has been prepared to assist Tesoro Refinery personnel in determining whether a material is a hazardous waste and describe the reporting procedures for hazardous waste release and emergency incidents. It should be noted that this checklist provides only a preliminary hazardous waste determination. In general, the Environmental Services Department should be contacted to verify a hazardous waste determination. For each of the questions below, check the most accurate response, "YES", "NO" or "UNKNOWN".

Answer the following questions to determine if the material is a waste:

	<u>YES</u>	<u>NO</u>	<u>UNKNOWN</u>
• Is the substance discarded or slated for discard?	()	()	()
• Is the substance one for which no use or reuse is intended?	()	()	()
• Is the substance mislabeled, unlabeled, inadequately labeled, or packaged in a damaged or deteriorated container?	()	()	()
• Is the substance packaged in such a way that it could pose a threat to human health or the environment?	()	()	()

If the answer to the first or second question is "YES", the material involved is a waste. If the answer to either of the last two questions is "YES", the material may be a waste and should be investigated further. If all the answers are "NO" then the material involved is not a waste. Any responses answered "UNKNOWN" should be researched so that either a "YES" or "NO" response can be made. If the material has been determined to be a waste, continue with the questions beginning on the following page to determine if it is a hazardous waste.

Answer the following questions to determine if the waste involved is a hazardous waste:

	<u>YES</u>	<u>NO</u>	<u>UNKNOWN</u>
• Is the waste labeled as a hazardous waste?	()	()	()
• Do we dispose of the waste as a hazardous waste?	()	()	()
• Has the waste been shown through experience or testing to pose a hazard to human health or the environment because of its carcinogenicity, acute toxicity, chronic toxicity, bio-accumulative properties or persistence in the environment?	()	()	()

APPENDIX H
REPORTING CHECKLIST WITH REPORTABLE QUANTITIES
AND DOCUMENTATION FORM

HAZARDOUS WASTE DETERMINATION AND REPORTING CHECKLIST

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• Is the substance discarded or slated for discard?	()	()	()
• Is the substance one for which no use or reuse is intended?	()	()	()
• Is the substance mislabeled, unlabeled, inadequately labeled, or packaged in a damaged or deteriorated container?	()	()	()
• Is the substance packaged in such a way that it could pose a threat to human health or the environment?	()	()	()

If the answer to the first or second question is "YES", the material involved is a waste. If the answer to either of the last two questions is "YES", the material may be a waste and should be investigated further. If all the answers are "NO" then the material involved is not a waste. Any responses answered "UNKNOWN" should be researched so that either a "YES" or "NO" response can be made. If the material has been determined to be a waste, continue with the questions beginning on the following page to determine if it is a hazardous waste.

Answer the following questions to determine if the waste involved is a hazardous waste:

	<u>YES</u>	<u>NO</u>	<u>UNKNOWN</u>
• Is the waste labeled as a hazardous waste?	()	()	()
• Do we dispose of the waste as a hazardous waste?	()	()	()
• Has the waste been shown through experience or testing to pose a hazard to human health or the environment because of its carcinogenicity, acute toxicity, chronic toxicity, bio-accumulative properties or persistence in the environment?	()	()	()

Is the waste involved:

IGNITABLE? (yes if the flash point = or < 140 °F?) () () ()

Includes flammable, compressed gases and oxidizers and non-liquids capable of causing fire through absorption of moisture or spontaneous chemical changes

REACTIVE? () () ()

Includes explosives, water reactive, cyanide or sulfide bearing wastes, unstable wastes or wastes capable of undergoing rapid or violent chemical reactions such as catching fire, exploding or giving off fumes when exposed to or mixed with water, air or other chemicals.

CORROSIVE? (acidic/caustic) () () ()

Includes liquids with pH = or < 2 or > 12.5. Also liquids or mixtures which corrode steel at a rate greater than 1/4" per year.

TOXIC? () () ()

Includes wastes containing heavy metals, pesticides, benzene and wastes which can cause death or illness if inhaled, swallowed, or absorbed through the skin. Includes carcinogenic wastes.

LISTED?

Is the waste DAF Float, Slop Oil Emulsion Solids, Heat Exchanger Bundle Solids, API Separator Sludge, Tank Bottoms (leaded), Primary Sludge (sewer sludge), or Secondary Sludge, Crude Oil Tank Bottoms, Clarified Slurry Oil Tank Bottoms, Hydrocracking Catalyst, or Hydrorefining Catalyst?

() () ()

If analytical data is available in the waste, answer the following questions:

• Does the waste contain any of the constituents listed in Table 1,2, or 3 in amounts which equal or exceed the regulator limits listed? () () ()

• Does the waste involved have an acute oral LD₅₀ of less than 5,000 mg/kg? () () ()

• Does the waste involved have an acute dermal LD₅₀ of less than 4,300 mg/kg? () () ()

• Does the waste involved have an acute inhalation of less than 10,000 ppm as a gas or vapor? () () ()

Does the waste involved have an acute aquatic 96 hour LC less than 500mg/l when measured in soft water with fathead minnows, rainbow trout or golden shiners? () () ()

If any of the above questions been answered "YES", the waste is a hazardous waste and may need to be reported. If all of the questions above have been answered "NO", the waste is not a hazardous waste. Any questions answered with the response "UNKNOWN" should be researched so that either a "YES" or "NO" response can be made.

Reporting Procedures

If the released material is a hazardous waste, answer the following questions:

- | | <u>YES</u> | <u>NO</u> |
|--|------------|-----------|
| 1. Has anyone (including refinery personnel) been injured or required medical attention as a result of the release/spill? | () | () |
| 2. Is there any danger of the release moving into public areas (Solano Way, Waterfront Road, near by business areas, Clyde, etc.) in sufficient quantity to cause risk to human health, safety, the environment or property? | () | () |
| 3. Does the release present a risk to the health and safety of refinery personnel? | () | () |
| 4. Is there any danger of a fire or explosion as a result of the release? | () | () |
| 5. Could the released hazardous waste get into Hastings Slough, Pacheco Slough (Walnut Creek), the Bay, or the marshlands adjacent to these waterways? | () | () |

A "YES" answer to ANY of the above questions requires that the following agencies be notified:

Contra Costa Department of Health Services	(925) 646-2286
California Office of Emergency Services	1-800-852-7550

If the release is to surface water, marshlands or could potentially percolate to groundwater, immediately contact:

Regional Water Quality Control Board	(510) 622-2300
---	----------------

Answer the following questions:

- | | <u>YES</u> | <u>NO</u> |
|--|------------|-----------|
| 1. Has the spill/release entered the water, air, soil or groundwater? (excludes wastewater treatment system) | () | () |
| 2. Is the released material something other than petroleum (crude oil, a refinery intermediate stock, or a refinery finished product)? | () | () |
| 3. Does the released hazardous waste contain one or more of the substances listed on attached Table 4 | () | () |
| 4. Does the total quantity of the hazardous waste released | | |

exceed or equal the reportable quantity for that substance
on attached Table 4?

() ()

A "YES" answer to ALL of the above questions requires that the following agency to be notified.
(Important: All questions must be answered "YES" to make this notification.)

National Response Center

1-800-424-8802

If the incident involved implementing any portion of the Hazardous Waste Contingency Plan, a written report must be submitted to the DTSC within 15 working days after the incident. The report should be sent to:

Cal-EPA
Department of Toxic Substances Control (DTSC)
700 Heinz Ave., Suite 200
Berkeley, CA 94710
(510) 540-2122

Table 1
Maximum Concentration of Contaminants for the RCRA Toxicity Characteristic
 (Source: 40 CFR 261.24 Table 1)

CONTAMINANT	REGULATORY LEVEL (mg/l)
Arsenic	5.0
Barium	100.0
Benzene	0.5
Cadmium	1.0
Carbon Tetrachloride	0.5
Chlordane	0.03
Chlorobenzene	100.0
Chloroform	6.0
Chromium	5.0
o-Cresol	200.0*
m-Cresol	200.0*
p-Cresol	200.0*
Cresol	200.0*
2,4-D	10.0
1,4-Dichlorobenzene	7.5
1,2-Dichloroethane	0.5
1,1-Dichloroethylene	0.7
2,4-Dinitrotoluene	0.13
Endrin	0.02
Heptachlor	0.008
Hexachlorobenzene	0.13
Hexachlorobutadiene	0.5
Hexachloroethane	3.0
Lead	5.0

Table 1 (Continued)
Maximum Concentration of Contaminants for the RCRA Toxicity Characteristic
 (Source: 40 CFR 261.24 Table 1)

CONTAMINANT	REGULATORY LEVEL (mg/l)
Lindane	0.4
Mercury	0.2
Methoxychlor	10.0
Methyl ethyl ketone	200.0
Nitrobenzene	2.0
Pentachlorophenol	100.0
Pyridine	5.0 ^b
Selenium	1.0
Silver	5.0
Tetrachloroethylene	0.7
Toxaphene	0.5
Trichloroethylene	0.5
2,4,5-Trichlorophenol	400.0
2,4,6-Trichlorophenol	2.0
2,4,5-TP (Silvex)	1.0
Vinyl Chloride	0.2

- If o-, m-, and p-Cresol concentrations cannot be differentiated, the total cresol concentration is used. The regulatory level of total cresol is 200 mg/l.
- Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.

Table 2
DTSC List of Inorganic Toxic Substances - Their STLCs and TTLCs
 (Source: 22 CCR 66261.24(a)(2)(A))

SUBSTANCE ^a	STLC (mg/l) ^b	TTLC Wet- Weight (mg/kg) ^b
Antimony and/or antimony compounds	15	500
Arsenic and/or arsenic compounds	5.0	500
Asbestos	n/a	1.00 as percent
Barium and/or barium compounds (excluding barite)	100	10,000 ^c
Beryllium and/or beryllium compounds	0.75	75
Cadmium and/or cadmium compounds	1.0	100
Chromium (VI) compounds	5	500
Chromium and/or chromium (III) compounds	5 ^d	2,500
Cobalt and/or cobalt compounds	80	8,000
Copper and/or copper compounds	25	2,500
Fluoride salts	180	18,000
Lead and/or lead compounds	5.0	1,000
Mercury and/or mercury compounds	0.2	20
Molybdenum and/or molybdenum compounds	350	3,500
Nickel and/or nickel compounds	20	2,000
Selenium and/or selenium compounds	1.0	100
Silver and/or silver compounds	5	500
Thallium and/or thallium compounds	7.0	700
Vanadium and/or vanadium compounds	24	2,400
Zinc and/or zinc compounds	250	5,000

- ^a In the case of asbestos and elemental metals, the specified concentration limits apply only if the substances are in a friable, powdered, or finely divided state. Asbestos includes chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite.
- ^b Soluble Threshold Limit Concentration (STLC) and Total Threshold Limit Concentration (TTLC) values are calculated on the concentration of the elements, not the compounds.
- ^c Excluding barium sulfate.
- ^d If the soluble chromium, as determined by the TCLP, is less than 5 mg/l, and the soluble chromium, equals or exceeds 560 mg/l and the waste is not otherwise identified as a RCRA hazardous waste pursuant to 22 CCR 66261.100, then this is a non-RCRA hazardous waste.

Table 1 (Continued)
Maximum Concentration of Contaminants for the RCRA Toxicity Characteristic
 (Source: 40 CFR 261.24 Table 1)

CONTAMINANT	REGULATORY LEVEL (mg/l)
Lindane	0.4
Mercury	0.2
Methoxychlor	10.0
Methyl ethyl ketone	200.0
Nitrobenzene	2.0
Pentachlorophenol	100.0
Pyridine	5.0 ^b
Selenium	1.0
Silver	5.0
Tetrachloroethylene	0.7
Toxaphene	0.5
Trichloroethylene	0.5
2,4,5-Trichlorophenol	400.0
2,4,6-Trichlorophenol	2.0
2,4,5-TP (Silvex)	1.0
Vinyl Chloride	0.2

- If o-, m-, and p-Cresol concentrations cannot be differentiated, the total cresol concentration is used. The regulatory level of total cresol is 200 mg/l.
- Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.

Table 2
DTSC List of Inorganic Toxic Substances - Their STLCs and TTLCs
 (Source: 22 CCR 66261.24(a)(2)(A))

SUBSTANCE ^a	STLC (mg/l) ^b	TTLC Wet- Weight (mg/kg) ^b
Antimony and/or antimony compounds	15	500
Arsenic and/or arsenic compounds	5.0	500
Asbestos	n/a	1.00 as percent
Barium and/or barium compounds (excluding barite)	100	10,000 ^c
Beryllium and/or beryllium compounds	0.75	75
Cadmium and/or cadmium compounds	1.0	100
Chromium (VI) compounds	5	500
Chromium and/or chromium (III) compounds	5 ^d	2,500
Cobalt and/or cobalt compounds	80	8,000
Copper and/or copper compounds	25	2,500
Fluoride salts	180	18,000
Lead and/or lead compounds	5.0	1,000
Mercury and/or mercury compounds	0.2	20
Molybdenum and/or molybdenum compounds	350	3,500
Nickel and/or nickel compounds	20	2,000
Selenium and/or selenium compounds	1.0	100
Silver and/or silver compounds	5	500
Thallium and/or thallium compounds	7.0	700
Vanadium and/or vanadium compounds	24	2,400
Zinc and/or zinc compounds	250	5,000

- ^a In the case of asbestos and elemental metals, the specified concentration limits apply only if the substances are in a friable, powdered, or finely divided state. Asbestos includes chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite.
- ^b Soluble Threshold Limit Concentration (STLC) and Total Threshold Limit Concentration (TTLC) values are calculated on the concentration of the elements, not the compounds.
- ^c Excluding barium sulfate.
- ^d If the soluble chromium, as determined by the TCLP, is less than 5 mg/l, and the soluble chromium equals or exceeds 560 mg/l and the waste is not otherwise identified as a RCRA hazardous waste pursuant to 22 CCR 66261.100, then this is a non-RCRA hazardous waste.

Table 3
DTSC List of Organic Toxic Substances - Their STLCs and TTLCs
 (Source: 22 CCR 66261.24(a)(2)(B))

SUBSTANCE	STLC (mg/l)	TTLC Wet-Weight (mg/kg)
Aldrin	0.14	1.4
Chlordane	0.25	2.5
DDT, DDE, DDD	0.1	1.0
2,4-Dichlorophenoxyacetic acid	10	100
Dieldrin	0.8	8.0
Dioxin (2,3,7,8-TCDD)	0.001	0.01
Endrin	0.02	0.2
Heptachlor	0.47	4.7
Kepone	2.1	21
Lead compounds, organic	n/a	13
Lindane	0.4	4.0
Methoxychlor	10	100
Mirex	2.1	21
Pentachlorophenol	1.7	17
Polychlorinated biphenyls (PCBs)	5.0	50
Toxaphene	0.5	50
Trichloroethylene	204	2,040
2,4,5-Trichlorophenoxypropionic acid	1.0	10

HAZARDOUS WASTE DETERMINATION AND REPORTING CHECKLIST

If a fire, explosion or release involving hazardous waste should occur, notifications to regulatory agencies may be required. It is important to first accurately determine whether the substance involved is a waste and then whether the substance is a hazardous waste, in order to make the proper notifications to the correct agencies which deal with hazardous waste incidents. This checklist has been prepared to assist Tesoro Refinery personnel in determining whether a material is a hazardous waste and describe the reporting procedures for hazardous waste release and emergency incidents. It should be noted that this checklist provides only a preliminary hazardous waste determination. In general, the ~~Environmental Services Department should be contacted to verify a hazardous waste determination.~~ For each of the questions below, check the most accurate response, "YES", "NO" or "UNKNOWN".

Answer the following questions to determine if the material is a waste:

	<u>YES</u>	<u>NO</u>	<u>UNKNOWN</u>
• Is the substance discarded or slated for discard?	()	()	()
• Is the substance one for which no use or reuse is intended?	()	()	()
• Is the substance mislabeled, unlabeled, inadequately labeled, or packaged in a damaged or deteriorated container?	()	()	()
• Is the substance packaged in such a way that it could pose a threat to human health or the environment?	()	()	()

If the answer to the first or second question is "YES", the material involved is a waste. If the answer to either of the last two questions is "YES", the material may be a waste and should be investigated further. If all the answers are "NO" then the material involved is not a waste. Any responses answered "UNKNOWN" should be researched so that either a "YES" or "NO" response can be made. If the material has been determined to be a waste, continue with the questions beginning on the following page to determine if it is a hazardous waste.

Answer the following questions to determine if the waste involved is a hazardous waste:

	<u>YES</u>	<u>NO</u>	<u>UNKNOWN</u>
• Is the waste labeled as a hazardous waste?	()	()	()
• Do we dispose of the waste as a hazardous waste?	()	()	()
• Has the waste been shown through experience or testing to pose a hazard to human health or the environment because of its carcinogenicity, acute toxicity, chronic toxicity, bio-accumulative properties or persistence in the environment?	()	()	()

Is the waste involved:

IGNITABLE? (yes if the flash point = or < 140 °F?) () () ()

Includes flammable, compressed gases and oxidizers and non-liquids capable of causing fire through absorption of moisture or spontaneous chemical changes

REACTIVE? () () ()

Includes explosives, water reactive, cyanide or sulfide bearing wastes, unstable wastes or wastes capable of undergoing rapid or violent chemical reactions such as catching fire, exploding or giving off fumes when exposed to or mixed with water, air or other chemicals.

CORROSIVE? (acidic/caustic) () () ()

Includes liquids with pH = or < 2 or > 12.5. Also liquids or mixtures which corrode steel at a rate greater than 1/4" per year.

TOXIC? () () ()

Includes wastes containing heavy metals, pesticides, benzene and wastes which can cause death or illness if inhaled, swallowed, or absorbed through the skin. Includes carcinogenic wastes.

LISTED?

Is the waste DAF Float, Slop Oil Emulsion Solids, Heat Exchanger Bundle Solids, API Separator Sludge, Tank Bottoms (leaded), Primary Sludge (sewer sludge), or Secondary Sludge, Crude Oil Tank Bottoms, Clarified Slurry Oil Tank Bottoms, Hydrocracking Catalyst, or Hydrorefining Catalyst?

() () ()

If analytical data is available in the waste, answer the following questions:

• Does the waste contain any of the constituents listed in Table 1,2, or 3 in amounts which equal or exceed the regulator limits listed? () () ()

• Does the waste involved have an acute oral LD₅₀ of less than 5,000 mg/kg? () () ()

• Does the waste involved have an acute dermal LD₅₀ of less than 4,300 mg/kg? () () ()

• Does the waste involved have an acute inhalation of less than 10,000 ppm as a gas or vapor? () () ()

Does the waste involved have an acute aquatic 96 hour LC less than 500mg/l when measured in soft water with fathead minnows, rainbow trout or golden shiners? () () ()

If any of the above questions been answered "YES", the waste is a hazardous waste and may need to be reported. If all of the questions above have been answered "NO", the waste is not a hazardous waste. Any questions answered with the response "UNKNOWN" should be researched so that either a "YES" or "NO" response can be made.

Reporting Procedures

If the released material is a hazardous waste, answer the following questions:

	<u>YES</u>	<u>NO</u>
1. Has anyone (including refinery personnel) been injured or required medical attention as a result of the release/spill?	()	()
2. Is there any danger of the release moving into public areas (Solano Way, Waterfront Road, near by business areas, Clyde, etc.) in sufficient quantity to cause risk to human health, safety, the environment or property?	()	()
3. Does the release present a risk to the health and safety of refinery personnel?	()	()
4. Is there any danger of a fire or explosion as a result of the release?	()	()
5. Could the released hazardous waste get into Hastings Slough, Pacheco Slough (Walnut Creek), the Bay, or the marshlands adjacent to these waterways?	()	()

A "YES" answer to ANY of the above questions requires that the following agencies be notified:

Contra Costa Department of Health Services	(925) 646-2286
California Office of Emergency Services	1-800-852-7550

If the release is to surface water, marshlands or could potentially percolate to groundwater, immediately contact:

Regional Water Quality Control Board	(510) 622-2300
---	----------------

Answer the following questions:

	<u>YES</u>	<u>NO</u>
1. Has the spill/release entered the water, air, soil or groundwater? (excludes wastewater treatment system)	()	()
2. Is the released material something other than petroleum (crude oil, a refinery intermediate stock, or a refinery finished product)?	()	()
3. Does the released hazardous waste contain one or more of the substances listed on attached Table 4	()	()
4. Does the total quantity of the hazardous waste released		

exceed or equal the reportable quantity for that substance
on attached Table 4?

() ()

A "YES" answer to ALL of the above questions requires that the following agency to be notified.
(Important: All questions must be answered "YES" to make this notification.)

National Response Center

1-800-424-8802

If the incident involved implementing any portion of the Hazardous Waste Contingency Plan, a written report must be submitted to the DTSC within 15 working days after the incident. The report should be sent to:

~~Cal-EPA~~

~~Department of Toxic Substances Control (DTSC)~~

~~700 Heinz Ave., Suite 200~~

~~Berkeley, CA 94710~~

~~(510) 540-2122~~

APPENDIX I

EMERGENCY PLANNING AND RESPONSE

**GOLDEN EAGLE REFINERY
ENVIRONMENTAL DEPARTMENT ON-CALL
REPORTABLE QUANTITIES OF SELECTED COMPOUNDS**

Compound	CERCLA 40 CFR 302.4 (pounds)	SARA 40 CFR 355 (pounds)	Reg'l Water Control Board (bbls)	Strength Weight %	Specific Gravity	Comments
Ammonia	100	100		100	0.618	Anhydrous ammonia
	333	333		30	0.885	
	400	400		25	0.905	
	500	500		20	0.924	
Ammonium Hydroxide	1000					
APE Line	1000			3%		Use the RQ for H2SO4 , and a 3% sol'n
Asbestos	1					Friable only
Benzene	10				0.879	Petroleum exclusion possible
BPB 59470		10,000				Baker Petrolite water additive, cyclohexylamine
1,3-Butadiene	10				0.627	
Carbon Disulfide	100	100				In refinery fuel gas
Carbonyl Sulfide	100					in refinery fuel gas
Chlorine	10	10				
Conductivity Improver	2000					Octel Stadis 450, based on Toluene RQ
Copper sulfate	10					CAS name is Cupric Sulfate
Cumene	5000					Petroleum exclusion possible
Cyclohexane	1000					Petroleum exclusion possible
Diethanolamine (DEA)	100				1.092	Catacarb
Ethyl Benzene	1000					Petroleum exclusion possible
Ethylene Glycol	5000					
Ferric/ferrous chloride	1000					
Furan	100	100				Solvent
Hexane	5000				0.664	Petroleum exclusion possible
Hydrogen Sulfide	100	100				
Lubricity Additive	1980					BH Additive, 9137HF, RQ based on naphthalene
Methanol	5000				0.792	
Methyl Mercaptan	100	100				In refinery fuel gas
MTBE	1000				0.74	
naphthalene	100					Petroleum exclusion possible
NOX	1000	1000				NO, NO2 are each 1000 lbs. RQ
PAH's	1					Each PAH RQ = 1 pound; see list for species
PCB's	1					
Perchloroethylene	100				1.631	
Petroleum			1			
Phenol	1000	1000				
Phosphoric Acid	5000					
Sodium Hydroxide	1000			100	2.12	
50 Be				50	1.56	
20 Be				15	1.168	
14 Be				10	1.112	
10 Be				7	1.078	
7 Be				4	1.045	
Sodium Hypochlorite	100					Bleach
Sulfuric Acid	1000			100	1.831	
				98	1.814	
				93	1.773	
				90	1.748	
				8	1.066	
				5	1.042	
Sulfur Dioxide (SO2)		500				
Sulfur Trioxide (SO3)		100				
TEL/TML	10	10/100				
Toluene	1000				0.867	Petroleum exclusion possible
1,1,1-Trichloroethane	1000				1.349	
Waste, F037, F038	1					
Waste, K48-52	10					
Xylenes	100				0.865	Petroleum exclusion possible



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

COMPLIANCE AND ENFORCEMENT DIVISION
Reportable Compliance Activity (RCA) Form

For District Use Only

ID#
ID#
ID#
ID#

See back of form for instructions →

1. **FACILITY IS REQUESTING BREAKDOWN RELIEF (Regulation 1-431 and 1-432)**

Emissions Associated with Relief Request:

Monitor(s) or Device type: CEM - , GLM - , Parametric - , PSV - , Non-monitor -

Monitor(s) or Device Description (make and model):

2. **MONITOR INDICATES EXCESS EMISSIONS or EXCURSION (Regulation 1-522.7, 1-523.3, or 1-542)**

Monitor type: CEM - , GLM - , Parametric -

Monitor(s) Description (make and model):

3. **MONITOR IS INOPERATIVE (Regulation 1-522.4, 1-523.2, 1-530)**

Monitor type: CEM - , GLM - , Parametric -

Monitor(s) Description (make and model):

PRESSURE IS RELEASED FROM RELIEF DEVICE (PSV) (Regulation 8-28-401)

PSV ID number:

GLM Monitor affected (if applicable): GLM -

Monitor(s) Description (make and model):

Required Information

Company	Tesoro Petroleum		Site #	B2758
Address	150 Solano Way Martinez, CA 94553		Source #	
Reported by		Phone #	(925) 335-3451	
Indicated Excess		Report Date/Time		
Allowable Limit		Averaging Time		
Start Date	Start Time	Clear Date	Clear Time	
Parameter exceeded or not functioning due to inoperation - <input checked="" type="checkbox"/>	NO _x - <input type="checkbox"/> , SO ₂ - <input type="checkbox"/> , CO - <input type="checkbox"/> , CO ₂ - <input type="checkbox"/> , H ₂ S - <input type="checkbox"/> , TRS - <input type="checkbox"/> , NH ₃ - <input type="checkbox"/> , O ₂ - <input type="checkbox"/> , H ₂ O - <input type="checkbox"/> Opacity - <input type="checkbox"/> , Lead - <input type="checkbox"/> , Gauge Pressure - <input type="checkbox"/> , Hydrocarbon Breakthrough (VOC) - <input type="checkbox"/> Temperature - <input type="checkbox"/> , Wind Speed - <input type="checkbox"/> , Wind Direction - <input type="checkbox"/> , Flow - <input type="checkbox"/> , Steam - <input type="checkbox"/>			
Unit of Measurement - <input checked="" type="checkbox"/>	ppm vol - <input type="checkbox"/> , ppb - <input type="checkbox"/> , min/hr > 20% - <input type="checkbox"/> , inches H ₂ O - <input type="checkbox"/> , mmHg - <input type="checkbox"/> , psig - <input type="checkbox"/> , ° Fahrenheit - <input type="checkbox"/> , pH - <input type="checkbox"/> , Other - <input type="checkbox"/>			

Event Description:

District Use Only			
Received by	Reported Date	Time	

General Instructions

- ✓ Check the Box numbers 1- 4 that apply to the RCA you are trying to report or request and read the detailed instructions.
- ✓ You will receive an ID # for each RCA you submit. In the case of a request for Breakdown Relief where multiple monitors are affected, you do not need to submit multiple forms, as long as all necessary information is given on one form. RCAs reported during other than core business hours will be assigned an ID # the following working day. If you do not receive an ID #, it is your responsibility to contact the BAAQMD to get one.
- ✓ You may submit only one request for breakdown relief per form. However, you may submit multiple indicated excess, inoperative monitors and PSV reports on one form, provided that the start and end times given for the events in the required information section is inclusive of all events. Information on parameters exceeded, units of measurement and allowable limits can be provided in the event description box or when contacted by District staff with questions.
- ✓ Fill out the "Required Information" areas of this form and fax to the BAAQMD at (415) 928-0338, or to phone this information, call M-F 8:30 am - 5:00 pm to (415) 749-4979. After core business hours, call (415) 749-4666.
- ✓ Failure to supply any of the information required by the applicable rule can result in enforcement action.
- ✓ **A 30-day written follow-up report is required for Breakdown Requests and PSV Releases.** Reports for these types of RCA must contain a quantification of emissions, the calculations used to derive the emissions, and their duration. Reference http://www.baaqmd.gov/enf/compliance_assistance/advisories/adv_120304_brkdown_emissions.pdf. Send 30-day report letters to: BAAQMD Compliance and Enforcement Division, MAILSTOP: RCA 30-DAY REPORT, 939 Ellis Street, San Francisco, CA 94109. NOTE: You may have additional report requirements under Title V.

Detailed Instructions

Box 1: To Request Breakdown Relief (Regulations 1-112, 1-113, 1-208, 1-431, 1-432)

If you have an equipment malfunction (e.g.; breakdown) that leads to the release of air pollutants above your permitted levels, you may request relief from BAAQMD enforcement action.

- Check Box #1 and indicate what type(s) of air pollutant(s) is/are associated with the release.
- If a District-required monitor or device is involved or affected by air pollutants due to the equipment malfunction, list the type (CEM, GLM, Fuel Gas, Parametric, PRD) and description in Box #1. You do not need to additionally complete Boxes #2, #3, or #4 if you check and complete Box #1. If you cannot fit all the monitors or devices involved or affected in the allotted space in Box #1 please use the event description box at the end of the page to complete the list. NOTE: Start and end times given for these events in the required information section must be inclusive of all events.
- Fill out all the information in the "Required Information" areas of the form.
- Requests for breakdown relief may not be withdrawn and must be called in or faxed to the BAAQMD immediately upon discovery of an equipment malfunction.
- Receipt of an RCA ID# for a breakdown does not mean relief has been granted. An inspector will visit your facility to determine compliance.

Box 2: Monitor Indicates Excess Emissions (Regulation 1-522.7, 1-523.3, 1-542)

When a BAAQMD-required monitor indicates an excess, you are required to report it to the BAAQMD.

- Check Box #2 and provide the monitor type(s) and description.
- Fill out all the information in the "Required Information" areas of the form.
- Any excess emission indicated by a CEM or a parametric monitor, shall be reported to the APCO within 96 hours.
- Area concentration excesses over the limits prescribed in District regulations shall be reported to the APCO within the next normal working day following the examination of data.

Box 3: Monitor Is Inoperative (Regulations 1-522, 1-523, 1-530)

When a BAAQMD-required monitor is inoperative for greater than 24 hours, it must be reported to the BAAQMD by the following working day.

- Check Box #3 for inoperative monitor (inoperative for greater than 24 hours).
- Fill out all the information in the "Required Information" areas of the form.
- All reports of inoperative monitors must be "cleared" by notification of resumption of monitoring. Do not send in a separate RCA form; call (415) 749-4979 and give the RCA ID#, date, and the time of resumption.
- Inoperative monitors (except parametric monitors) with downtime greater than 15 days must furnish proof of expedited repair in a follow-up report.

Box 4: Pressure Relief Device (PSV) Is Released (Regulation 8-28-401)

If a PSV at your refinery/chemical plant vents to the atmosphere, you are required to report it on the next working day following venting.

Check Box #4 and indicate the ID # of the PSV affected.

If there is a monitor that is affected by the PSV release, list the description in the space provided within Box #4. Separate RCA ID #'s will be applied to each affected monitor.

• Fill out all the information in the "Required Information" areas of the form.

Fax # 415.928.0338

Form Revision Dated: 3-14-06

EMERGENCY RELEASE FOLLOW - UP NOTICE REPORTING FORM

A	BUSINESS NAME	FACILITY EMERGENCY CONTACT & PHONE NUMBER () - () - ()		
B	INCIDENT MO DAY YR DATE	TIME OES NO TIME	(use 24 hr time)	OES CONTROL NO.
C	INCIDENT ADDRESS LOCATION	CITY/COMMUNITY	COUNTY	ZIP
D	CHEMICAL OR TRADE NAME (print or type)		CAS Number	
E	CHECK IF CHEMICAL IS LISTED IN 40 CFR 355, APPENDIX A <input type="checkbox"/>		CHECK IF RELEASE REQUIRES NOTIFI - CATION UNDER 42 U.S.C. Section 9603 (a) <input type="checkbox"/>	
F	PHYSICAL STATE CONTAINED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	PHYSICAL STATE RELEASED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	QUANTITY RELEASED	
G	ENVIRONMENTAL CONTAMINATION <input type="checkbox"/> AIR <input type="checkbox"/> WATER <input type="checkbox"/> GROUND <input type="checkbox"/> OTHER	TIME OF RELEASE	DURATION OF RELEASE ____ DAYS ____ HOURS ____ MINUTES	
H	ACTIONS TAKEN			
I	KNOWN OR ANTICIPATED HEALTH EFFECTS (Use the comments section for addition information)			
J	<input type="checkbox"/> ACUTE OR IMMEDIATE (explain) _____			
K	<input type="checkbox"/> CHRONIC OR DELAYED (explain) _____			
L	<input type="checkbox"/> NOTKNOWN (explain) _____			
M	ADVICE REGARDING MEDICAL ATTENTION NECESSARY FOR EXPOSED INDIVIDUALS			
N	COMMENTS (INDICATE SECTION (A - G) AND ITEM WITH COMMENTS OR ADDITIONAL INFORMATION)			
O	CERTIFICATION: I certify under penalty of law that I have personally examined and I am familiar with the information submitted and believe the submitted information is true, accurate, and complete.			
P	REPORTING FACILITY REPRESENTATIVE (print or type) _____			DATE _____
Q	SIGNATURE OF REPORTING FACILITY REPRESENTATIVE _____			DATE _____

April 28, 2006



EMERGENCY ASSEMBLY AREA CHANGES

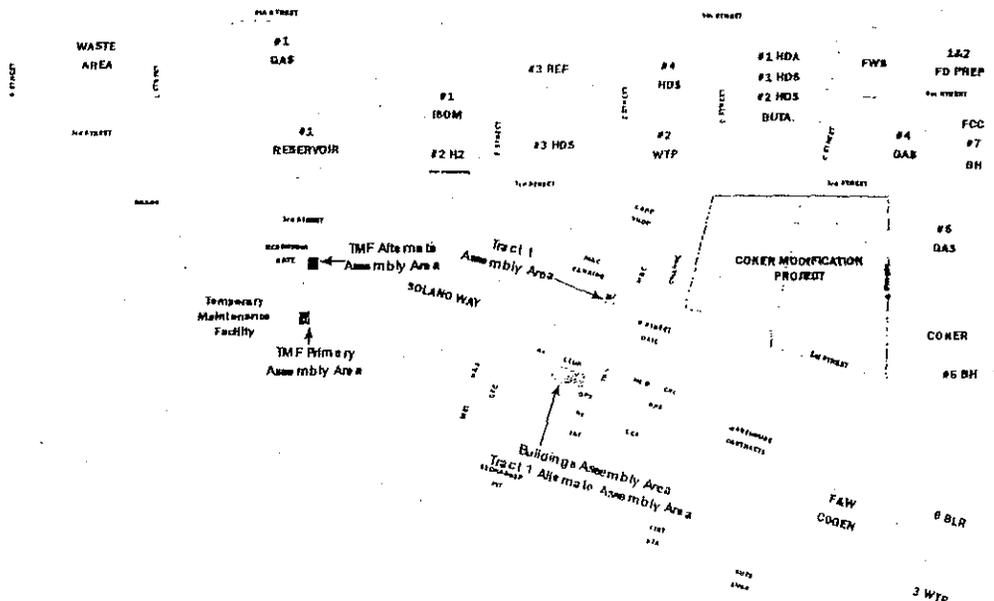
Please review the following item, share it with the employees in your area, and take any appropriate action to address any issues in your area.
Supervisors, please post a printed copy of this bulletin in your areas.

As you have probably noticed with the demolition of the PPEC building, near the D Street Gate, the Coker Modification Project is beginning to get underway. Soon, the area which formerly included the shops building, PPEC, D-street gate, the Butler building, and the laydown area north of the #4 gas cooling tower, will all be fenced off as a construction site. Because that area will be restricted to construction personnel, and because the shops have moved to the old PG&E yard, it is necessary to make some changes to our emergency assembly area locations.

The Tract 1 assembly area will now be located in the south west corner of the M&C parking lot, north of the M&C building. This is the area near where the lunch vendor wagons park. If that area is not safe, the alternate area will continue to be the parking area in front of the clubhouse.

For personnel working in the temporary maintenance facility (old PG&E yard) the assembly area will be the open gravel area south of the tent. The alternate assembly area is across the street on the east side of Solano way, near the reservoir gate.

"Assembly Area" signs will be posted at each of these locations. If you have any questions please contact Ken Vier, Joe Mendez, or Rich Leland.



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Section 7: EMERGENCY PLANNING AND RESPONSE	Subject 7-2: Golden Eagle Process Area Evacuation	
Original Issue: 8/14/1990	Latest Revision: 5/21/2003	Reviewed by: James Darnell
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PURPOSE

~~Seldom do we need to evacuate process areas, but we must always be prepared to do so in an orderly fashion. The purpose of this procedure is to ensure all personnel:~~

- A. Identify the emergency alarms
- B. Understand the meaning of the alarms
- C. Respond appropriately to these alarms
- D. Provide the emergency responders a method for personnel accounting

When an emergency does occur, it is essential that all non-operating department personnel proceed to their designated assembly or evacuation area and remain there until released.

CODE

8 CCR Section 3220 Emergency Action Plan

DEFINITIONS

Assembly Area—the primary area for personnel to gather in case of an emergency. In the case of a process unit emergency, the area is usually the area outside the unit control room.

Evacuation Area—a gathering area to be used if the Assembly Area is not safe. For example, if the area outside the Coker control room was deemed unsafe, the Evacuation Area is the area West of the PPEC.

Alternate Evacuation Area—a gathering location to be used if the primary Evacuation Area is unsafe. An example is the packing lot West of the Clubhouse that serves an alternate to the PPEC Evacuation Area.

PROCEDURE

REFINERY

- A. Emergency Alarms

Two different coded audible alarms are used to notify refinery personnel of emergencies. A third audible alarm is used to announce that the emergency is over.

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1. Four (4) Long Blasts

~~Four long blasts of the refinery horn indicate that a fire, explosion, vapor cloud, etc. is occurring at some location within the refinery or chemical plant.~~

2. Six (6) Short Blasts

Six short blasts of the unit emergency horn indicate that the process unit is experiencing some type of operational problem that could present danger to people working in the unit.

3. Two (2) Short Blasts

Two short blasts of the refinery horn indicate an "All Clear" (no longer a threat) from the fire, explosion, vapor cloud, etc. that previously sounded.

B. Action Required For These Alarms

1. Four (4) Long Blasts

When the Refinery emergency alarm (4 long blasts) is sounded, all non-operating department people in process areas should immediately STOP WORK, SHUT DOWN ALL IGNITION SOURCES, and PROCEED VIA A SAFE ROUTE TO THE UNIT CONTROL ROOM. Remain outside the control room.

The unit supervisor, assistant unit supervisor, or an operator will then tell you the nature and location of the emergency. The Area Maintenance Supervisor is responsible for personnel accounting (headcount). Unless otherwise instructed by operating department people or the Area Maintenance Supervisor, remain at the unit control room until released by the Area Maintenance Supervisor. If the Unit Control Room is obviously not a safe place, then proceed to the evacuation area at the West end of the refinery's Main Shop. DO NOT LEAVE THE REFINERY.

2. Six (6) Short Blasts

When the process unit emergency alarm (6 short blasts) is sounded, all non-operating department personnel in process areas should immediately STOP WORK, SHUT DOWN ALL IGNITION SOURCES, and PROCEED VIA A SAFE ROUTE TO THE UNIT CONTROL ROOM. Remain outside the control room.

The unit supervisor, assistant unit supervisor, or an operator will then tell you the nature and location of the emergency. The Area Maintenance Supervisor is responsible for personnel accounting (headcount). Unless otherwise instructed by operating department people or the

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Area Maintenance Supervisor, remain at the unit control room until released by the Area Maintenance Supervisor. If the Unit Control Room is obviously not a safe place, then proceed to the evacuation area at the West end of the refinery's Main Shop. **DO NOT LEAVE THE REFINERY.**

3. Two (2) Short Blasts

After the "All Clear", all personnel are required to check with the appropriate operator before continuing work.

WHARVES AND OTHER AREAS

A. Amorco Wharf

When an emergency occurs at the Amorco wharf, all non-operating department personnel must immediately report to the wharfing's office. If the office is not a safe place, everyone must proceed to the Amorco gate. **DO NOT LEAVE THE AMORCO FACILITY!**

B. Avon Wharf

When an emergency occurs at the Avon wharf, all non-operating department personnel must immediately report to the wharfing's office. If the office is not a safe place, everyone must proceed to Lands End. **DO NOT LEAVE THE AVON FACILITY!**

C. Tract 4

When an emergency occurs in the Tract 4 tank farm area, all non-operating department personnel must immediately assemble at the corner of Monsanto Road and Solano Way. If this Assembly Area is not safe, report to the Evacuation Area located at the Contractor Gate parking lot at the South Gate. **DO NOT LEAVE THE REFINERY!**

D. Tract 6

When an emergency occurs in the Tract 6 tank farm area, all non-operating department personnel must immediately assemble at the corner of Monsanto Road and Solano Way. If this Assembly Area is not safe, report to the Evacuation Area located at the Contractor Gate parking lot at the South Gate. **DO NOT LEAVE THEREFINERY!**

E. Tract 3

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When an emergency occurs in Tract 3, all non-operating department personnel should immediately report to the Scalehouse. If the scale house is not safe, report to the Evacuation Area located at the North Gate. **DO NOT LEAVE THE REFINERY!**

MAJOR TURNAROUNDS

Turnarounds normally require additional manpower. Because of the increased manpower and equipment requirements, a specific turnaround evacuation plan is to be developed for each turnaround. These evacuation plans must be posted in all affected control rooms, area Maintenance offices/shops, and turnaround trailers. All turnaround personnel must be trained on the evacuation plan and at least one evacuation drill must be held during the early stages of the turnaround.

CHEMICAL PLANT

A. Emergency Alarms

Three different coded audible alarms are used to notify Chemical Plant personnel of emergencies. A fourth audible alarm is used to announce that the emergency is over. The Chemical Plant uses a steam whistle or nitrogen horn for alarms except for the H₂S alarm.

1. Four (4) Long Blasts

Four long blasts of the refinery or Chemical Plant horn indicate that a fire, explosion, vapor cloud, etc. is occurring at some location within the refinery or Chemical Plant.

2. Six (6) Short Blasts

Six short blasts of the Chemical Plant emergency horn indicate that the process unit is experiencing some type of operational problem that could present a danger to people working in the unit.

3. "WOW - WOW - WOW" Alarm Horn

A series of "WOW - WOW - WOW" blasts indicate the detection of hydrogen sulfide (H₂S).

4. Two (2) Short Blasts

Two short blasts of the refinery horn indicate an "All Clear" (no longer a threat) from the fire, explosion, vapor cloud, etc. that previously sounded.

B. Action Required For These Alarms

1. Four (4) Long Blasts

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Section 7: **EMERGENCY PLANNING AND RESPONSE**

Subject 7-2: **Golden Eagle Process Area Evacuation**

Original Issue: **8/14/1990**

Latest Revision: **5/21/2003**

Reviewed by: **James Darnell**

Next Review Date: **5/21/2005**

Responsible Dept: **Health & Safety**

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When the refinery or Chemical Plant emergency alarm (4 long blasts) is sounded, all non-operations personnel should immediately STOP WORK, SHUT DOWN ALL IGNITION SOURCES, and PROCEED VIA A SAFE ROUTE TO THE GUARD HOUSE

~~Operations will inform all personnel of the nature and location of the emergency. The area Maintenance Supervisor is responsible for personnel accountability. Unless otherwise directed by Operations or the area Maintenance Supervisor, remain at the Guard House until released. If the Guard House is obviously not a safe area, then proceed to the Evacuation Area—the corner of Monsanto road and Solano Way. DO NOT LEAVE THE REFINERY.~~

2. Six (6) Short Blasts

When the process unit emergency alarm (6 short blasts) is sounded, all non-operations personnel should immediately STOP WORK, SHUT DOWN ALL IGNITION SOURCES, and PROCEED VIA A SAFE ROUTE TO THE GUARD HOUSE

Operations will inform all personnel of the nature and location of the emergency. The area Maintenance Supervisor is responsible for personnel accountability. Unless otherwise directed by Operations or the area Maintenance Supervisor, remain at the Guard House until released. If the Guard House is obviously not a safe area, then proceed to the Evacuation Area—the corner of Monsanto road and Solano Way. DO NOT LEAVE THE REFINERY.

3. "WOW - WOW - WOW" Alarm Horn

When the refinery or Chemical Plant emergency alarm (4 long blasts) is sounded, all non-operations personnel should immediately STOP WORK, SHUT DOWN ALL IGNITION SOURCES, and PROCEED VIA A SAFE ROUTE TO THE GUARD HOUSE

Operations will inform all personnel of the nature and location of the emergency. The area Maintenance Supervisor is responsible for personnel accountability. Unless otherwise directed by Operations or the area Maintenance Supervisor, remain at the Guard House until released. If the Guard House is obviously not a safe area, then proceed to the Evacuation Area—the corner of Monsanto road and Solano Way.

Evacuation should be made crosswind or into the wind to prevent being trapped downwind of a gas leak.

4. Two (2) Short Blasts

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After the "All Clear" all personnel are required to check with the appropriate Chemical Plant operator before resuming work.

Approved By: _____
James Darnell
Manager, Health and Safety

Date: _____