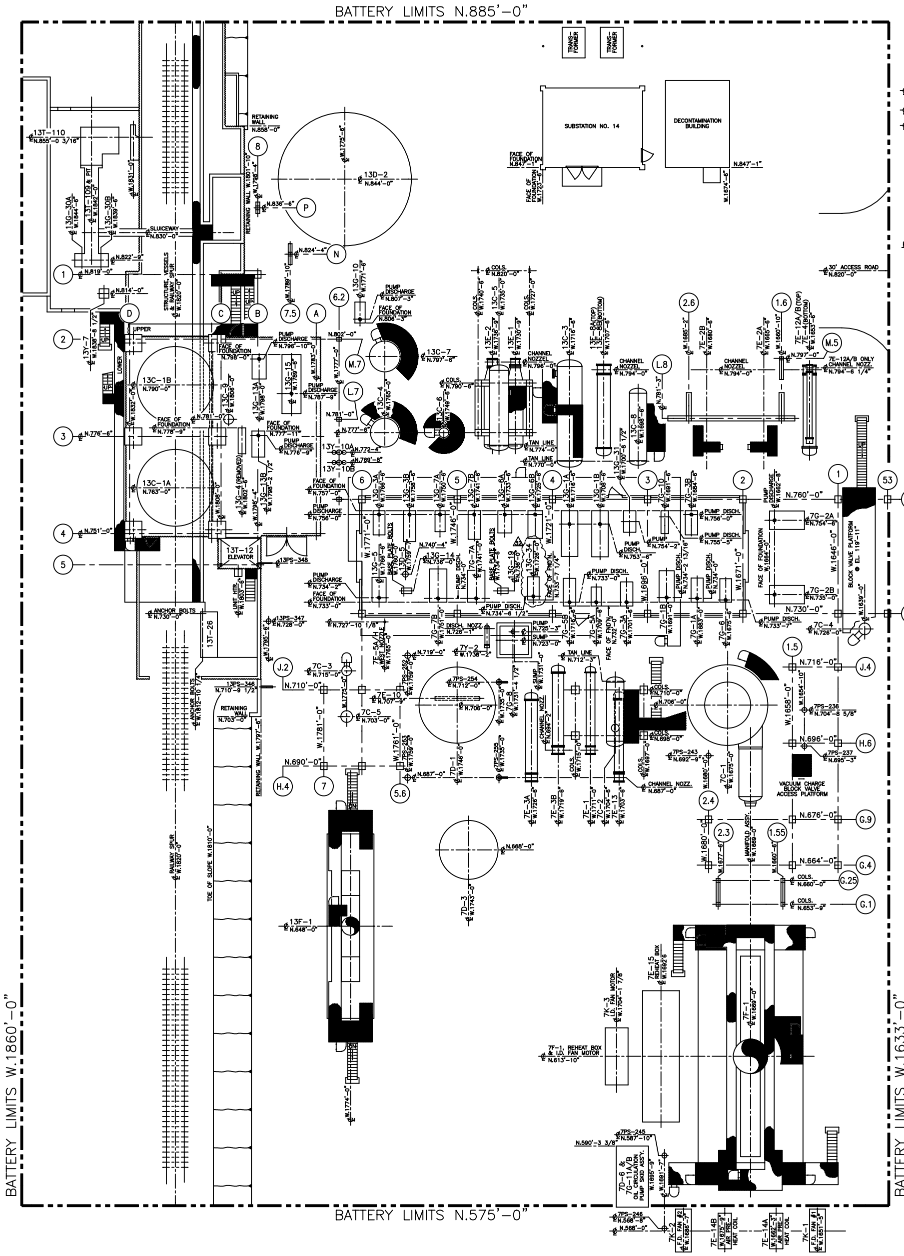
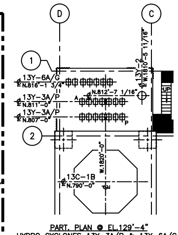
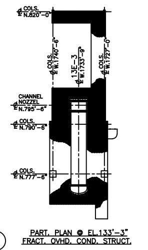
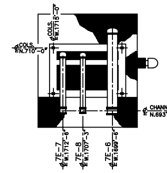




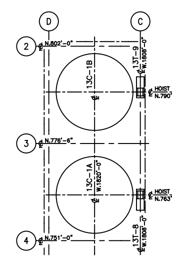
PART. PLAN @ EL.129'-4"
HYDRO CYCLONES 13Y-3A/P & 13Y-6A/G



PART. PLAN @ EL.133'-3"
FRACT. OVHD. COND. STRUCT.



PART. PLAN @ EL.155'-0"
VACUUM SYSTEM CONDENSERS



PART. PLAN @ EL.203'-4"
DRILL HOISTS 13T-8 & 13T-9

PLANT 13
DELAYED COKER

MATERIAL HANDLING EQUIPMENT

* 13T-101	280015	13C-1A & B TOP MANWAY TROLLEY
* 13T-102	280016	13C-1A & B TOP MANWAY TROLLEY
* 13T-103	280017	13E-3 STRUCTURE TROLLEY
* 13T-104	280018	13E-3 STRUCTURE TROLLEY
* 13T-105	280019	13G-15 TROLLEY
* 13T-106	280020	COKER SWING VA. MAN. TROLLEY
* 13T-107	280021	R.R CAR PULLER FROM EXIST. REFINERY
* 13T-108	280022	R.R. CAR PULLER FROM MOOSE JAW
13T-109	280002	CHAIN DRAG CONVEYOR
13T-110	280038	SCREW CONVEYOR
* 13T-111	280037	COKE LUMP CRUSHER

PROCESSING MACHINERY

13Y-2	140013	ROTATING STRAINER
13Y-3A/P	140014	HYDROCYCLONES
* 13Y-4	430263	13D-4 MIXER TANK
* 13Y-5	430486	STEAM VENT SILENCER
13Y-6A/G	140043	HYDROCYCLONES
13Y-7	140044	ROTATING STRAINER
* 13Y-8	430381	KOMAX MIXER
* 13Y-9	430382	KOMAX MIXER
13Y-10A	140065	COKER FRACT. BOTTOMS PUMPS STRAINER
13Y-10B	140066	COKER FRACT. BOTTOMS PUMPS STRAINER
* 13Y-11	430153	300# COKER SWITCH VALVE

GENERAL NOTES

1. HIGH POINT OF FINISHED GRADE EL.100'-0" = REFINERY ELEVATION OF 2228.00'
2. TOP OF RAIL EQUALS EL.96'-0".

* DENOTES EQUIPMENT NOT SHOWN ON PLAN.

EQUIPMENT LIST

PLANT 7
VACUUM UNIT

VESSELS

7C-1	060034	VACUUM
7C-2	060035	HOT WELLS
7C-3	060036	CONTINUOUS BLOWDOWN DRUM
7C-4	060037	FUEL GAS KNOCK OUT POT
7C-5	060178	50# FLASH DRUM
7C-6	060212	FALLON SYSTEM OIL STORAGE TANK

TANKS

7D-1	100002	TEMPERED WATER
7D-3	100050	TEMPERED WATER

EXCHANGERS

7E-1	020051	VACUUM BOTTOMS COOLER
7E-2A	020052	HEAVY VACUUM PUMP AROUND STEAM GENERATOR
7E-2B	020180	HEAVY VACUUM PUMP AROUND STEAM GENERATOR
7E-3A	020053	LIGHT VACUUM PUMP AROUND STEAM GENERATOR
7E-3B	020179	LIGHT VACUUM PUMP AROUND STEAM GENERATOR
7E-4	020054	GAS, OIL, & SLOPS COOLER
7E-5A	020055	TEMPERED WATER COOLER
7E-5B	020356	TEMPERED WATER COOLER
7E-5C	020357	TEMPERED WATER COOLER
7E-5D	020358	TEMPERED WATER COOLER
7E-5E	020359	TEMPERED WATER COOLER
7E-5F	020361	TEMPERED WATER COOLER
7E-5G	020368	TEMPERED WATER COOLER
7E-5H	020369	TEMPERED WATER COOLER
7E-6	020056	1ST STAGE EJECTOR CONDENSER
7E-7	020057	2ND STAGE EJECTOR CONDENSER
7E-8	020058	3RD STAGE EJECTOR CONDENSER
7E-10	020059	TANK HEATER FOR 7D-1
7E-12A	020218	SLOP COOLER
7E-12B	020219	SLOP COOLER
7E-13	020257	VACUUM TOWER RECYCLE
7E-14A	020268	AIR PREHEATER COIL (FALLON)
7E-14B	020269	AIR PREHEATER COIL (FALLON)
7E-15	020270	REHEAT COIL (FALLON)

HEATERS

7F-1	070006	VACUUM

PUMPS

7G-1A	010058	VACUUM BOTTOMS
7G-1B	010304	VACUUM BOTTOMS SPARE
7G-2A	010060	HEAVY VACUUM GAS OIL
7G-2B	010061	HEAVY VACUUM GAS OIL SPARE
7G-3A	010062	LIGHT VACUUM GAS OIL
7G-3B	010059	LIGHT VACUUM GAS OIL SPARE
7G-5A	010063	SOUR WATER
7G-5B	010064	SOUR WATER SPARE
7G-6	010065	OVERFLASH RECYCLE
7G-7A	010066	TEMPERED WATER
7G-7B	010067	TEMPERED WATER SPARE
7G-8	010068	SLOP OIL SUMP
7G-10	010382	HOT WELL OIL
7G-11A	010439	OIL CIRCULATION (WEST)
7G-11B	010440	OIL CIRCULATION (EAST)

VACUUM EQUIPMENT

* 7H-1A	130002	VACUUM EJECTOR 1ST STAGE 67%
* 7H-1B	130016	VACUUM EJECTOR 1ST STAGE 33%
* 7H-2A	130017	VACUUM EJECTOR 2ND STAGE 67%
* 7H-2B	130018	VACUUM EJECTOR 2ND STAGE 33%
* 7H-3A	130019	VACUUM EJECTOR 3RD STAGE 67%
* 7H-3B	130020	VACUUM EJECTOR 3RD STAGE 33%

COMPRESSORS & FANS

7K-1	050060	FALLON SYSTEM F.D. FAN (EAST)
7K-2	050061	FALLON SYSTEM F.D. FAN (WEST)
7K-3	050062	FALLON SYSTEM I.D. FAN

PROCESSING MACHINERY

7Y-2	120001	OIL SEPARATOR ON T.W. SYSTEM
* 7Y-3	140046	STRAINER
* 7Y-4	140047	STRAINER

PLANT 13
DELAYED COKER

VESSELS

13C-1A	060038	COKE DRUM
13C-1B	060039	COKE DRUM
13C-3	060040	FEED SURGE DRUM
13C-4	060041	COKER FRACTIONATOR
13C-5	060042	FRACTIONATOR OVERHEAD RECEIVER
13C-6	060043	DISTILLATE STRIPPER
13C-7	060044	HEAVY OIL KNOCK OUT DRUM
13C-8	060045	WATER SEPARATOR DRUM
13C-9	060046	WARM UP COND. DRUM

EXCHANGERS

13E-1	020060	BOTTOM QUENCH STEAM GENERATOR
13E-2	020061	PUMP AROUND STEAM GENERATOR
13E-3	020062	FRACTIONATOR OVERHEAD CONDENSER
13E-8A	020063	STEAM OUT VAPOUR CONDENSER
13E-8B	020064	STEAM OUT VAPOUR CONDENSER
* 13E-9	020450	13G-15 LUBE OIL COOLER
* 13E-10	020451	13G-1A LUBE OIL COOLER
* 13E-11	020452	13G-1B LUBE OIL COOLER
* 13E-12	430084	EXHAUST FAN
* 13E-13	430085	EXHAUST FAN

TANKS

13D-2	100003	CLEAR WATER
13D-4	100051	SILICONE INJECTION BATCH MIX
13D-5	100052	CORROSION INHIBITOR INJECTION

HEATERS

13F-1	070007	COKER HEATER
* 13F-2	430145	COKER FINES FAN HEATER

PUMPS

13G-1A	010070	HEATER CHARGE
13G-1B	010071	SPARE FOR 13G-1A
13G-3A	010072	FRACTIONATOR RECYCLE/QUENCH
13G-3B	010073	SPARE FOR 13G-3A
13G-5	010075	COKER GAS OIL
13G-6A	010076	FRACTIONATOR OVERHEAD PROD./REFLUX
13G-6B	010077	SPARE FOR 13G-6A
13G-7A	010078	COKER DISTILLATE
13G-7B	010079	SPARE FOR 13G-7A
13G-10	010080	HEAVY OIL RECYCLE
13G-12	010082	STEAM-OUT SOUR WATER
13G-13A	010083	QUENCH WATER
13G-13B	010448	SPARE QUENCH WATER
13G-14	010084	ANTI-FOAM INJECTION
13G-15	010085	JET
13G-19	010087	CORROSION INHIBITOR INJECTION
* 13G-20	010645	13G-15 LUBE OIL AUXILLARY
* 13G-23	010646	13G-1A LUBE OIL AUXILLARY
* 13G-24	010631	13G-1B LUBE OIL AUXILLARY
13G-28	010089	SEE 10G-15
13G-30A	010391	BLACK WATER SUMP
13G-30B	010402	BLACK WATER SUMP
13G-31	010403	SOUR WATER
13G-34		COKER BOTTOMS PUMP
13G-33	010732	COKER GRIZZLY PUMP

MATERIAL HANDLING EQUIPMENT

* 13T-1	280023	13C-1A SWG. PIPE ASSEMBLY
* 13T-2	280024	13C-1B SWG. PIPE ASSEMBLY
* 13T-3	280025	DRILL STEM GUIDE
* 13T-4	280026	13C-1A ROTARY JOINT
* 13T-5	280027	13C-1B ROTARY JOINT
* 13T-6	280028	INITIAL CUTTING HEAD
* 13T-7	280029	FINAL CUTTING HEAD
13T-8	280005	13C-1A DRILL HOIST
13T-9	280006	13C-1B DRILL HOIST
* 13T-10	280030	13C-1A LATCHING DEVICE
* 13T-11	280031	13C-1B LATCHING DEVICE
13T-12	430009	COKER STRUCTURE ELEVATOR
* 13T-13A	280007	BOTTOM MANWAY AIR WRENCH
* 13T-13B	280008	BOTTOM MANWAY AIR WRENCH
* 13T-14	280032	BOTTOM MANWAY HANDLING CART
* 13T-15	220040	TRACK CLEANING CONVEYOR
* 13T-17A	280009	13C-1A & B TOP MANWAY HANDLING HOIST SOUTH
* 13T-17B	280010	13C-1A & B TOP MANWAY HANDLING HOIST SOUTH
* 13T-18	280043	COKER SCAPPER BAR
* 13T-19	280033	13C-1A TELESCOPING CHUTE
* 13T-20	280034	13C-1B TELESCOPING CHUTE
* 13T-21A	280011	HOIST FOR 13C-1A TELESCOPING CHUTE
* 13T-21B	280012	HOIST FOR 13C-1A TELESCOPING CHUTE
* 13T-22A	280013	HOIST FOR 13C-1B TELESCOPING CHUTE
* 13T-22B	280014	HOIST FOR 13C-1B TELESCOPING CHUTE
* 13T-23	280035	13C-1A DRILL STEM
* 13T-24	280036	13C-1B DRILL STEM
* 13T-25	280041	COKE CRUSHER MOVABLE TANK CAR PLATFORM
13T-26	280001	R.R. CAR PULLER, SHEAVES, AND CABLE
* 13T-27	280004	AIR IMPACT WRENCH FOR COKER UNIT
* 13T-28	280042	13C-1 INSPECTION PLATFORM

REV.	DATE	REVISION	BY	CHKD.	ENG.	APPVD.
32	JAN 04/99	REPLACED 13G-32 WITH 13G-34	GN	BMac	CG	RS
31	MAY 10/96	REDRAWN ON AutoCad	DH	BMac		

PETRO-CANADA

TITLE: PLOT PLAN – BLOCK 'E'	DEPARTMENT: REFINING
PLANT 7 – VACCUUM UNIT	AREA NO.: BLOCK E
PLANT 13 – DELAYED COKER	PROJ.NO.: MISC.
	DATE: APRIL 11, 1996
EDMONTON REFINERY	SCALE: 1"=10'-0"

DRAWN BY	CHKD.DRAFT.	DWG.NO.	REV.
D.HAUGE	B.MacKAY	7E-A-3 SHEET: 1	32
CHKD.ENG.	APPROVED		