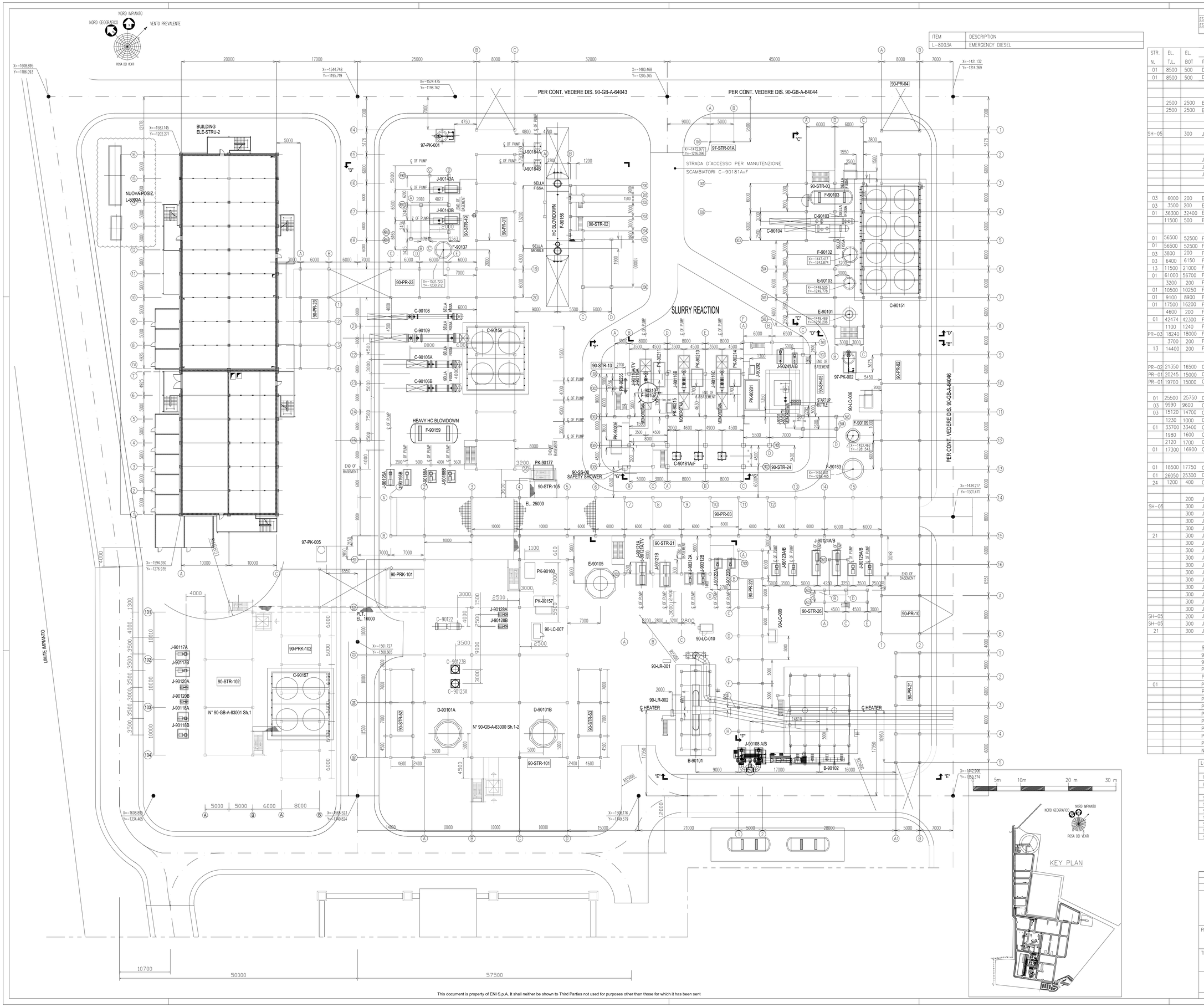

ITEM	DESCRIPTION
L-800/3A	EMERGENCY DIESEL

REFERENCE DOCUMENTS	DWG NUMBER
EST. PLOT PLAN / ELEVATION (STR-101)	90-GB-A-83498
EST. PLOT PLAN / ELEVATION (STR-102)	90-GB-A-83499

STR. N.	EL. T.L.	EL. BOT	ITEM	DESCRIPTION
				REACTORS
01	8500	500	D-90101A	Slurry Reactor A
01	8500	500	D-90101B	Slurry Reactor B
				FIRED/ELECTRIC HEATERS
	2500	2500	B-90101	Recycle Gas Heater
	2500	2500	B-90102	Fresh Feed Heater
				COMPRESSORS
SH-05		300	J-90101	Recycle Gas Compressor
				TURBINES
			J-90101/TV	Recycle Gas Compressor Turbine
			J-90116A/TV	Combined Feed Pump Turbine
			J-90121A/TV	Vacuum Recycle Pump Turbine
				COLUMNS
03	6000	200	E-90101	Recycle Gas Scrubber
03	3500	200	E-90103	Wash Oil Column
01	36300	32400	E-90104	Preflash Column
	11500	500	E-90105	Vacuum Flash Column
				VESSELS
01	56500	52500	F-90101A	Hot High Pressure Separator A (HHPS)
01	56500	52500	F-90101B	Hot High Pressure Separator B (HHPS)
03	3800	200	F-90102	Warm High Pressure Sep. (WHPS)
03	6400	6150	F-90103	Cold High Pressure Sep. (WHPS)
13	11500	21000	F-90107	Combined Feed Surge Drum
01	61000	56700	F-90108	Hot Low Pressure Sep. (HLPS)
	3200	200	F-90109	Recycle Gas Compr. KO Drum
01	10500	10250	F-90120	Preflash Column OVHD Receiver
01	9100	8900	F-90121	Vacuum Flash Column Hotwell
01	17500	16200	F-90122	Off Gas Seal Drum
	4600	200	F-90137	Fresh Feed Surge Drum
01	42474	42300	F-90147	Steam drum
	1100	1240	F-90156	HC Blowdown Drum
PR-03	18240	18000	F-90159	Heavy HC Blowdown Drum
	3700	200	F-90163	Fuel Gas K.O. Drum
13	14400	200	F-90203	Cooling Rounddown tank
				AIRCOOLERS
PR-02	21350	16500	C-90151	Reactor Effl. Vapor Aircooler
PR-01	20245	15000	C-90156	LVGO Aircooler
PR-01	19700	15000	C-90157	Preflash Column OVHD Aircooler
				HEAT EXCHANGERS
01	25500	25750	C-90102	HHPS Vapor / Recycle Gas
03	9990	9600	C-90103	Wash Oil Column OVHD / Rec. Gas
03	15120	14700	C-90104	WHPS Vapor / Recycle Gas
	1230	1000	C-90106A/B	Fresh Feed / LVGO Pumparound
01	33700	33400	C-90107A/B	Fresh Feed / Preflash Column OVHD
	1980	1600	C-90108	Fresh Feed / HVGO Pumparound
	2120	1700	C-90109	Fresh Feed / Prefl. Column Pumparound
01	17300	16900	C-90122	High Pres. Steam Gen. / HHPS Vapor
				SPIRAL HEAT EXCHANGERS
01	18500	17750	C-90123A/B	High Pres. Steam Gen. / HHPS Liquid
01	26050	25300	C-90145A/B	VGO Stripper Feed / HHPS Liquid
24	1200	400	C-90181A÷F	Spiral Heat Exchanger Duty Specification Sloop Cooler
				PUMPS
		200	J-90108A/B	Centrifugal Blower
SH-05		300	J-90116A/B/C	Combined Feed Pump
		300	J-90117A/B	Preflash Reflux Pump
		300	J-90118A/B	Preflash Pumparound Pump
		300	J-90120A/B	Preflash Water Pump
21		300	J-90121A/B	Vacuum Recycle Pump
		300	J-90122A/B	Slop Wax Pump
		300	J-90123A/B	HVGO Pump
		300	J-90124A/B	LVGO Pump
		300	J-90125A/B	VGO Pump
		300	J-90127A/B	Slop Oil Pump
		300	J-90128A/B	Vacuum Hotwell Sour Water Pump
		300	J-90143A/B	Fresh Feed Booster Pump
		300	J-90184A/B	HC Blowdown Pump
		300	J-90188A/B	Heavy HC Blowdown Pump
		300	J-90195A/B	Cooling Water Booster Pumps
SH-05		200	J-90202	Oil Clarifier System
SH-05		300	J-90241A/B	Condensate Pumps
21		300	J-90312A/B	Purge Pumps
				PACKAGES
			97-PK-001	Foam System
			97-PK-002	Foam System
			97-PK-005	Foam System
			PK-90153	Flash Column Vacuum System Pack
			PK-90157	Anti foaming dosing set
01			PK-90160	Phosphate Injection
			PK-90177	Machine Auxiliary Syst LCD Seal Barrier Refilling Unit
			PK-90236	Seal Barrier Fluid Flushing Unit
			PK-90201	Lube Oil Console System
			PK-90211	Lube Oil Console System
			PK-90213	Lube Oil Console System
			PK-90214	Lube Oil Console System
			PK-90215	Seal Barrier Fluid Refiling Unit
			PK-90235	Steam Gland Condenser
			N2	Start Up Bottle
				MIXERS
L-90310				Combined Feed Surge Drum Mixer
				ELEVATORS
R-90107			D-90101A ELEVATOR	
R-90108			D-90101B ELEVATOR	
				ANALYSER CABINETS
90-LC-005			LOCAL CABINET WITH HVAC	
90-LC-006			LOCAL CABINET WITH HVAC	
90-LC-007			LOCAL CABINET AND PROCESS ANALYZERS	
90-LC-009			LOCAL CABINET WITH HVAC	
90-LC-010			LOCAL CABINET WITH HVAC	
90-LR-001			LOCAL CABINET	
90-LR-002			LOCAL CABINET	

Rev.	Date	Description	Prepared	Checked	Approved
0	16-05-2017	EMESSO PER ISTANZA DI VERIFICA ASSOGGETTABILITA' A VIA	N. VALENTE	E. CORI	M. DELLECAVE

Eni S.p.A. Divisione Refining & Marketing
Raffineria di Sannazzaro

PROJECT: IMPIANTO EST ED UNITA' ASSOCIATE
FERRERA ERBOGNONE (PV)

TITLE: UNIT 90-EST-SLURRY
PLOT PLAN

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JOB. No.	SFR13170114	SCALE	1:250
Dwg. No.	90-GB-A-83497	Sheet	1 of 1

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