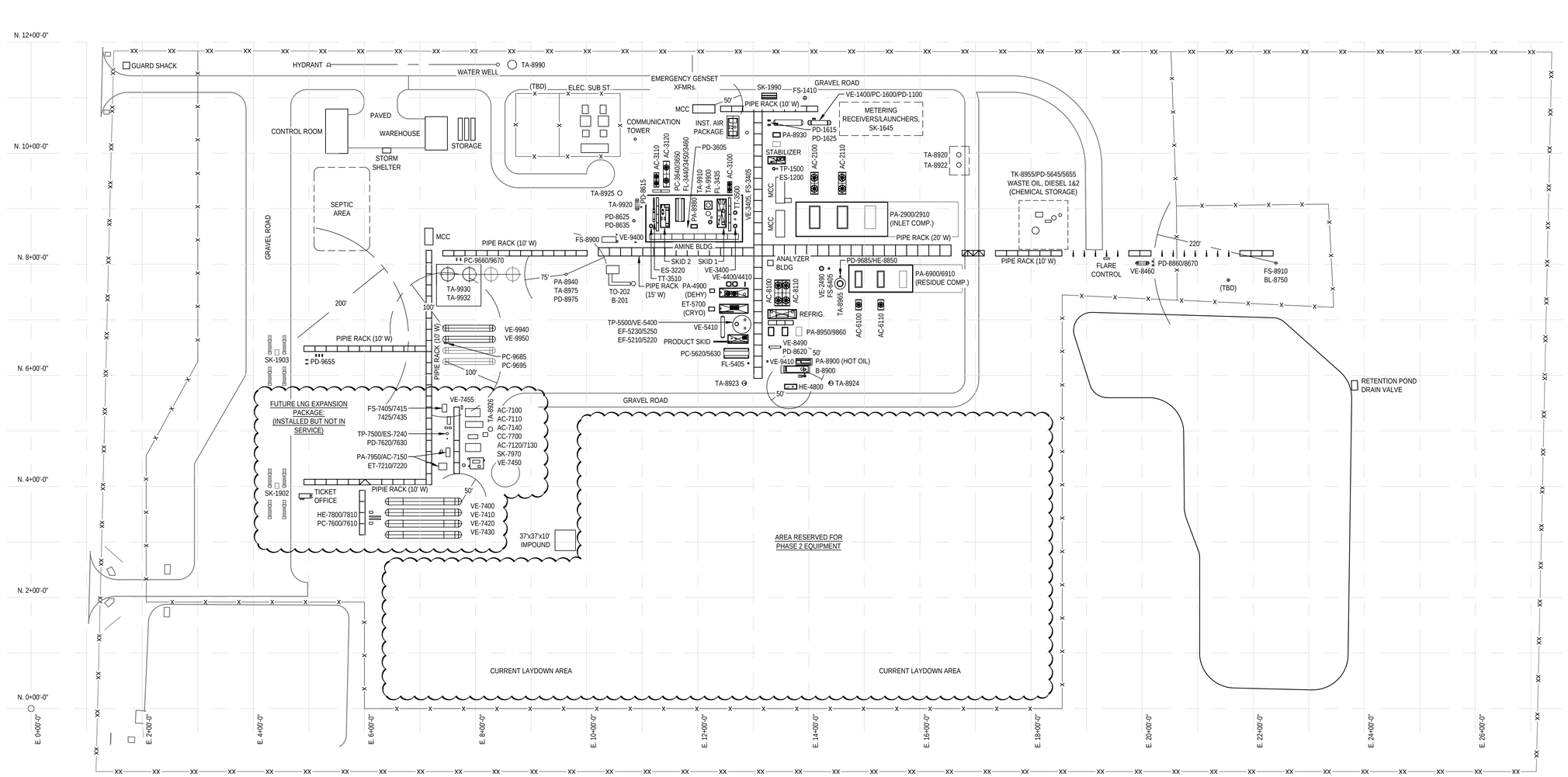

PLOT PLAN

1"=100' 100' 50' 0 100'

GENERAL EQUIPMENT:
(NOT PART OF SKID, BUILDING OR PACKAGE)
AC-2100/2110 ~ INLET COMPRESSION AIR COOLERS
AC-6100/6110 ~ RESIDUE COMPRESSION AIR COOLERS
TA-8990 ~ AUXILIARY WATER STORAGE TANK WITH HEATER
TA-9930/9932 ~ CONDENSATE STORAGE TANKS
TA-8920,8922-8926 ~ OPEN DRAIN SUMPS (15 BBL)
TA-8955 ~ METHANOL SUPPLY TANK
TA-8965 ~ LUBE OIL STORAGE (HE-8950, PD-9685, PD-9655)
PA-2900/2910 ~ INLET COMPRESSOR (30MM)
PA-6900/6910 ~ RESIDUE COMPRESSOR (30MM)
PA-8930 ~ VAPOR RECOVERY PACKAGE
PA-8940 ~ VAPOR COMB. UNIT (VC-8940, TA-8975, PD-8975)
PA-8980 ~ WATER TREATMENT PACKAGE.
VE-1400 ~ INLET SLUG CATCHER (PC-1600)
VE-1420 ~ INLET SURGE DRUM, (PD-1615, PD-1625)
VE-2490 ~ INLET DISCHARGE K.O. DRUM
VE-8460 ~ FLARE KO DRUM (PD-8660, PD-8670)
VE-9400 ~ RTO GAS SCRUBBER
VE-9410 ~ AMINE FLASH GAS SCRUBBER
VE-9940/9950 ~ NGL STORAGE TANKS
FS-1410 ~ INLET FILTER / COALESCER
FS-6405 ~ RESIDUE GAS FILTER / COALESCER
FS-8900 ~ THERMAL OXIDIZER
FS-8910 ~ FLARE STACK
HE-4800 ~ DRYER REGEN. GAS HEATER (B-4800)
SK-1990 ~ INLET GAS METERING
VE-8490 ~ PROPANE MAKE-UP DRUM
PD-8615 ~ AMINE DRAIN SUMP PUMP
B-8800 ~ HOT OIL COMBUSTION AIR BLOWER
VE-4400/4410 ~ DRYER MOLECULAR SIEVE BEDS
PD-8620 ~ PROPANE MAKE-UP PUMP
SK-1645B ~ ETHANE RETURN METERING SKID
VE-9410 ~ AMINE FLASH GAS SCRUBBER
GC-8999 ~ GAS CHROMATOGRAPH (ANALYZER BUILDING)
TA-9920 ~ AMINE DRAIN SUMP WITH FILTER FS-8415
SK-1903 ~ CONDENSATE TRUCK LOADING/UNLOADING SKID

AMINE BUILDING:
FL-3440 ~ CARBON BED FILTER
FL-3450/3460 ~ FINES FILTERS
PD-3440 ~ DIAPHRAGM PUMP
VE-3405 ~ COALESCER DRAIN POT
VE-3450 ~ AMINE SUMP TANK
PC-3455 ~ AMINE SKIM PUMP
PC-3625/3635 ~ LEAN AMINE BOOSTER PUMPS
TT-3500 ~ AMINE CONTACTOR
TT-3510 ~ AMINE STRIPPER
VE-3400 ~ AMINE CONTACTOR SCRUBBER
FS-3405 ~ AMINE INLET FILTER I COALESCER
AC-3100 ~ AMINE CONTACTOR GAS COOLER (OUTSIDE)
AC-3110 ~ AMINE REFLUX CONDENSER (OUTSIDE)
FL-3435 ~ RICH AMINE CHARCOAL SLIP FILTER
ES-3220 ~ AMINE REBOILER
PC-3640/3650 ~ LEAN AMINE INJECTION PUMPS
AC-3120 ~ LEAN AMINE COOLER (OUTSIDE)
TA-8920 ~ ANTI-FOAM TANK
TA-9900 ~ TREATED WATER STORAGE TANK
TA-9910 ~ BULK AMINE STORAGE TANK
PD-9600 ~ TREATED WATER MAKE-UP PUMP
PD-9610 ~ AMINE MAKE-UP PUMP
PD-3605 ~ ANTI FOAM PUMP
PD-8900 ~

AMINE REGEN SKID #1 - 15'W X 50'L:
VE-3410 ~ RICH AMINE FLASH DRUM
FL-3415/3425 ~ RICH AMINE PARTICULATE FILTER
FL-3445 ~ RICH AMINE PARTICULATE SLIP FILTER
EP-3200/321 0 ~ AMINE LEAN/RICH EXCHANGER
FL-3455 ~ LEAN AMINE PARTICULATE FILTER

AMINE REGEN SKID #2 - 15'W X 40'L:
VE-3420 ~ AMINE REFLUX ACCUMULATOR
PC-3600/3610 ~ AMINE REFLUX PUMPS
VE-3430 ~ AMINE SURGE TANK
PC-3620/3630/3625/3635 ~ LEAN AMINE BOOSTER PUMPS

CRYO PACKAGE:
ET-5700 ~ CRYO TURBO EXPANDER/COMPRESSOR PACKAGE
VE-5420 ~ SEAL GAS HEATER
VE-5400 ~ CRYO COLD GAS SEPARATOR
TP-5500 ~ CRYO DEMETHANIZER
EF-5210/5220 ~ CRYO DEMETH. REBOILER/SIDE REBOILER
VE-5410 ~ NGL PRODUCT SURGE DRUM
EF-5230/5250 ~ CRYO WARM GAS/RESIDUE GAS EXCHANGER
PC-5620/5630 ~ NGL PRODUCT PIPELINE PUMPS
FL-5405 ~ NGL FILTER/SEPARATOR

CRYO SKID - 15'W X 50'L:
ES-5260 ~ DEMETHANIZER TRIM REBOILER
PD-1500 ~ 8 HEAD TRIDO MECH PUMP
AC-5100 ~ CRYO TURBO EXPANDER/COMPRESSOR COOLER
HE-5420 ~ SEAL GAS HEATER
VE-8400 ~ FUEL GAS SCRUBBER

PRODUCT SKID - 14'W X 35'L:
ES-5200 ~ NGL PRODUCT HEATER
PC-5600/5610 PRODUCT BOOSTER PUMPS
AC-5110 ~ NGL PRODUCT COOLER

FUTURE LNG EXPANSION PACKAGE: (INSTALLED BUT NOT IN SERVICE)
AC-7100 ~ NITROGEN 1ST. STAGE AFTERCOOLER
AC-7110 ~ NITROGEN 2ND. STAGE AFTERCOOLER
AC-7120 ~ WARM EXPANDER COMPRESSOR AFTERCOOLER
AC-7130 ~ COLD EXPANDER COMPRESSOR AFTERCOOLER
AC-7140 ~ NITROGEN REFRIGERATION COMPRESSOR LO COOLERS
AC-7150 ~ WARM/COLD EXPANDER COMPRESSOR LO COOLERS
CC-7700 ~ NITROGEN REFRIGERATION COMPRESSOR
ES-7240 ~ DEMETHANIZER REBOILER
ET-7210 ~ WARM EXPANDER COMPRESSOR
ET-7220 ~ COLD EXPANDER COMPRESSOR
HE-7800/7810 ~ PRESSURE BUILDING VAPORIZER
PA-7950 ~ LIQUEFACTION EXCHANGER COLD BOX
PC-7600/7610 ~ LNG LOADOUT PUMPS
PD-7620/7630 ~ ETHANE PRODUCT PUMPS
SK-7970 ~ NITROGEN GENERATOR SKID
TP-7500 ~ DEMETHANIZER
VE-7450 ~ NITROGEN RESERVOIR
VE-7455 ~ K.O. DRUM
VE-7400/7410/7420/7430 ~ LNG VESSELS
SK-1902 ~ LNG TRUCK LOADING SKID

FUTURE LNG EXPANSION PACKAGE (NOT INSTALLED):
FS-7405 ~ LNG FILTER / COALESCER
FS-7415 ~ LNG INLET CARBON BED FILTER
FS-7425/7435 ~ LNG INLET PARTICULATE FILTER

DEHY SKID - (PA-4900) 15'W X 50'L:
ES-4200 ~ DRYER INLET GAS HEATER
AC-4100 ~ DRYER REGENERATION GAS COOLER
FS-4405 ~ DRYER INLET FILTER/COALESCER
FS-4415/4425 ~ DRYER DUST FILTERS
VE-4420 ~ DRYER REGEN GAS SCRUBBER

REFRIGERATION PACKAGE:
PA-8950/8960 ~ REFRIGERATION COMPRESSOR PACKAGES
AC-8100/8110 ~ REFRIGERATION CONDENSER
VE-8490 ~ PROPANE MAKE-UP DRUM

REFRIGERATION SKID - 15'W X 50'L:
ES-5240 ~ CRYO GAS CHILLER
VE-8420 ~ REFRIGERATION SUCTION SCRUBBER
VE-8440 ~ REFRIGERATION RECEIVER
VE-8450 ~ REFRIGERATION ECONOMIZER
VE-8480 ~ REFRIGERATION RECLAIMER W/H EATER
HE-8820 ~ REFRIGERATION SUCTION SCRUBBER HEATER

STABILIZATION PACKAGE:
TP-1500 ~ CONDENSATE STABILIZER
ES-1200 ~ CONDENSATE STABILIZER REBOILER

STABILIZATION SKID - 12'W X 30'L:
FL-1425 ~ CONDENSATE STABILIZER FILTER
VE-1430 ~ CONDENSATE FEED DRUM
AC-1100 ~ CONDENSATE STABILIZER COOLER

METERING & RECEIVERS/LAUNCHERS:
MI-1900/1900B ~ INLET PIG RECEIVER
MI-6950/6955 ~ RESIDUE GAS PIG LAUNCHER/RECEIVER
MI-5900/5905 ~ NGL PIG LAUNCHER/ RECEIVER

HOT OIL SKID (PA-8900):
VE-8410 ~ HOT OIL EXPANSION TANK
FS-8405 ~ HOT OIL FILTER
PC-8600/8610 ~ HOT OIL CIRCULATION PUMPS
HE-8800 ~ HOT OIL HEATER

INST. AIR COMP. PACKAGE (PA-8970):
CS-8720/8730 ~ INSTRUMENT AIR COMPRESSOR
DA-8960 ~ INSTRUMENT AIR DRYER
VE-8495 ~ INSTRUMENT AIR RECEIVER

ISSUED AS-BUILT & FINAL

NOTES

REFERENCE DRAWINGS

DWG. NO.	DESCRIPTION

REVISIONS

REV.	DESCRIPTION	DRWN	CHKD	APPRV	DATE
2	AS-BUILT	CDH	JM	RH	06/01/18
1	REVISED, ISSUED FOR CONSTRUCTION	AED	–	–	–
0	ISSUED FOR CONSTRUCTION	JS	CDL	CDL	01/08/14

PROJECT INFO.

DRAWN BY	STV
DATE	06/01/18
AEC JOB NO.	N/A
AFE/P.O. NO.	206269
CLIENT FILE NO.	
SCALE	NOTED

STV
BALTIMORE, MD | BISMARCK, ND | DENVER, CO DOUGLASSVILLE, PA | HOUSTON, TX PITTSBURGH, PA | WILLIAMSPORT, PA

noble energy

TITLE
PLOT PLAN
45MMSCFD HYBRID NATURAL GAS PROCESSING FACILITY
KEOTA GAS PLANT

DWG. NO. KEO-HF-PLT-PIP-DL0-3000 REV. 2

Drawing name: I:\Projects\3818\457 Noble Keota As-Built\90_CAD Models and Sheets\14_E_Electrical\KEO-HF-PLT-PIP-DL0-3000.dwg Plotted on: Jun 04, 2018 - 2:06pm