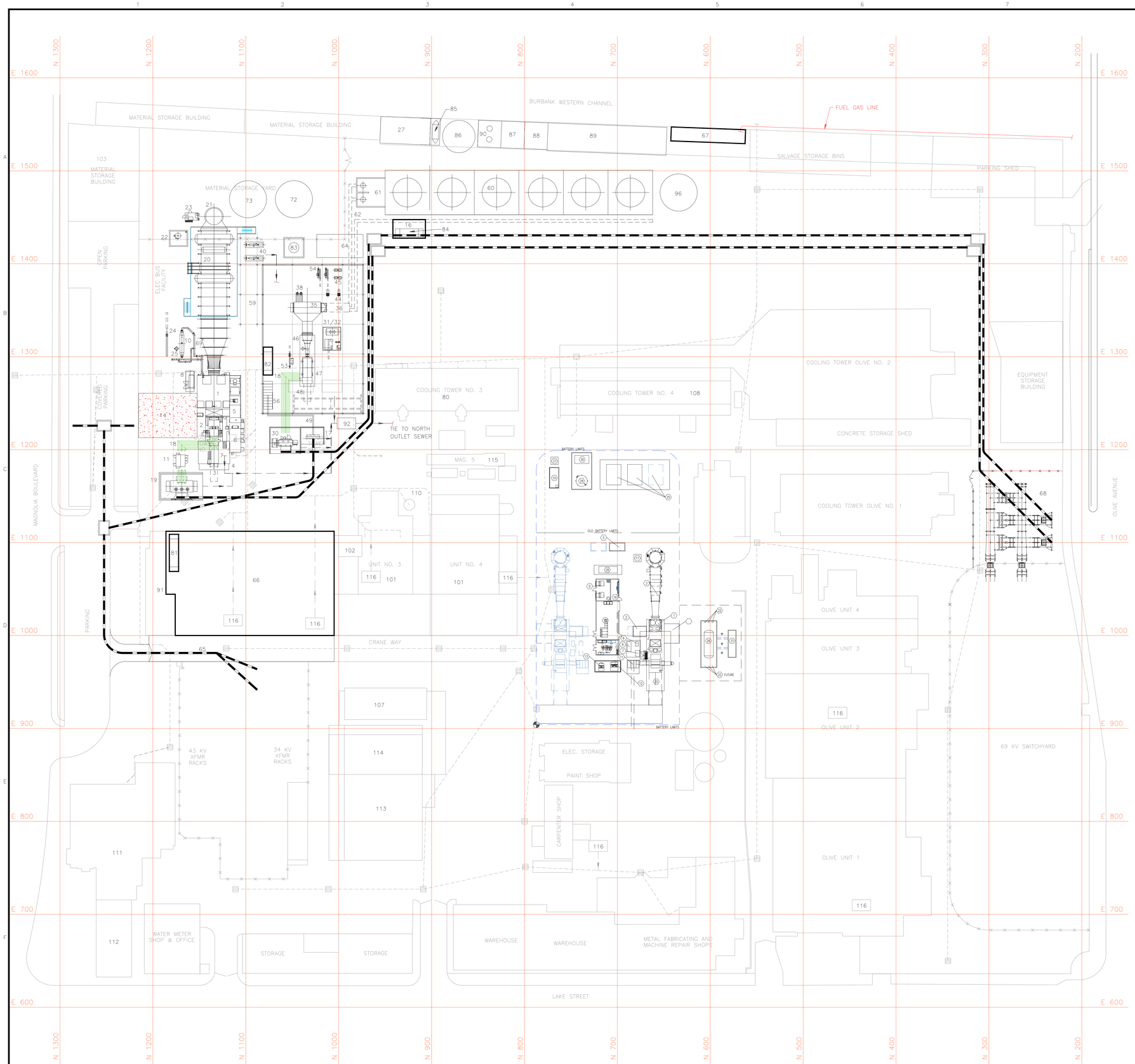

FACILITY LEGEND

ID	NEW FACILITY	BUILDING HEIGHT	BUILDING LENGTH	BUILDING WIDTH	TIEDOWN LOCATION NORTH	TIEDOWN LOCATION EAST	REMARKS
1	COMBUSTION TURBINE	31'–0"	35'–0"	36'–0"			
2	COMBUSTION TURBINE GENERATOR	27'–0"	18'–0"	34'–6"			
3	C T GENERATOR ROTOR REMOVAL						
4	COMBUSTION TURBINE INLET AIR FILTER	85'–5"	34'–0"	65'–0"			
5	C T MECHANICAL PACKAGE	19'–11"	11'–6"	13'–6"			
6	C T ELECTRICAL PACKAGE	15'–2 7/8"	12'–0"	26'–0"			
7	C T STARTER PACKAGE						
8	COMBUSTION TURBINE CO2 FIRE PROTECTION SKID						
10	C T ROTOR COOLER						
11	C T GENERATOR EXCITATION/PT COMPARTMENT						
14	COMBUSTION TURBINE MAINTENANCE AREA						
16	COOLING TOWER ELECTRICAL BUILDING	15'–0"	35'–0"	20'–0"			
17	AUXILIARY TRANSFORMER	27'–0"	13'–6"	4'–0"			
18	ISOLATED PHASE BUS DUCT						
19	C T GENERATOR STEPUP TRANSFORMER	27'–0"	33'–4"	21'–4"			
20	HEAT RECOVER STEAM GENERATOR	82'–6"	27'–6"	96'–6"			
21	HEAT RECOVERY STEAM GENERATOR EXHAUST STACK	150'–0"	19'–0"	19'–0"			
22	HRSG BLOWDOWN TANK						
23	CONTINUOUS EMMISSION MONITOR EQUIPMENT						
24	FUEL GAS HEATER						
25	FUEL GAS SCRUBBER						
27	FUEL GAS COMPRESSOR BUILDING	12'–0"	43'–8"	28'–8"			
30	STEAM TURBINE GENERATOR STEPUP TRANSFORMER	27'–0"	27'–6"	13'–0"			
31	STEAM TURBINE LUBE OIL PACKAGE						
32	STEAM TURBINE E H C UNIT						
35	CONDENSER						
36	CONDENSER TUBE REMOVAL						
38	CONDENSATE PUMP						
40	BOILER FEED PUMP						
44	CLOSED CYCLE COOLING WATER HEAT EXCHANGER						
45	CLOSED CYCLE COOLING WATER PUMP						
46	STEAM TURBINE	76'–0"	109'–0"	161'–0"			
47	STEAM TURBINE GENERATOR						
48	STEAM TURBINE ROTOR REMOVAL						
49	NON–SEG BUS DUCT						
53	GLAND STEAM CONDENSER						
54	CONDENSER EXHAUSTER						
56	CT & ST 4.16KV SWITCHGEAR						
59	PIPE SUPPORT RACK						
60	COOLING TOWER	50'–0"	288'–0"	48'–0"			
61	CIRCULATING WATER PUMPS						
62	CIRCULATING WATER PIPE						
64	DEMIN TRUCK LOCATION						
65	FUTURE PARKING						
66	NEW ADMIN BUILDING EXPANSION	41'–0"	181'–0"	112'–0"			
67	FUEL GAS REGULATOR STATION						
68	SWITCHYARD EXTENSION						
69	HRSG DUCT BURNERS						
70	STG BRIDGE CRANE						
72	DEMIN WATER TANK	40'–0"	40'–0"	40'–0"			
73	CONDENSATE STORAGE TANK	40'–0"	40'–0"	40'–0"			
81	ADMINISTRATION BUILDING 480V SUS						
82	BALANCE OF PLANT 480V SUS						
83	AMMONIA STORAGE TANK WITH SUN SHIELD						
84	COOLING TOWER 480V SUS	15'–0"	30'–0"	10'–0"			
85	SULFURIC ACID TANK WITH CONTAINMENT		35'–0" DIA.				
86	WELL WATER CLARIFIER	20'–0"					
87	HYPOCLORITE FEED PUMPS WITH CONTAINMENT						
88	WELL WATER SO2 FEED PUMPS WITH CONTAINMENT						
89	WATER TREATMENT BUILDING	20'–0"	128'–0"	34'–0"			
90	WELL WATER HYPOCLORITE TANKS WITH CONTAINMENT						
92	OIL/WATER SEPARATOR						
94	AMMONIA TANK						
96	WASTEWATER HOLDING TANK						

NO.	EXISTING STRUCTURES	BUILDING HEIGHT	BUILDING LENGTH	BUILDING WIDTH	TIEDOWN LOCATION NORTH	TIEDOWN LOCATION EAST	REMARKS
63	25000 BBL FUEL OIL STORAGE TANK & BERMS	52'–0"	142'–0"	200'–0"			TO BE REMOVED
71	78000 BBL STORAGE TANK AND BERMS	60'–0"	231'–0"	213'–9"			TO BE REMOVED
74	4000 BBL FUEL OIL STORAGE	10'–0"	120'–0"	141'–6"			TO BE REMOVED
75	ELECTRICAL BUS FACILITY	24'–0"	34'–10"	72'–2"			TO BE REMOVED
76	MAGNOLIA COOLING TOWER NO 1	20'–0"	54'–4"	107'–8"			TO BE REMOVED
77	MAGNOLIA COOLING TOWER NO 2	20'–0"	63'–10"	97'–0"			TO BE REMOVED
78	MAGNOLIA UNIT NO 1	41'–0"	91'–6"	67'–10"			TO BE REMOVED
79	MAGNOLIA UNIT NO 2	41'–0"	89'–6"	86'–8"			TO BE REMOVED
80	MAGNOLIA COOLING TOWER NO 3	36'–0"	154'–0"	45'–10"			TO BE REMOVED
101	MAGNOLIA UNIT NO 3	54'–0"	58'–9"	111'–0"			
101	MAGNOLIA UNIT NO 4	54'–0"	74'–2"	107'–0"			
102	ELEVATOR TOWER	62'–0"	25'–0"	22'–10"			
103	MATERIAL STORAGE BUILDING A	12'–0"	76'–6"	105'–5"			
104	MATERIAL STORAGE BUIDLING B	12'–0"	160'–5"	24'–10"			
104	MATERIAL STORAGE BUIDLING C	12'–0"	146'–4"	24'–10"			
105	PARKING SHED (QTY 2)	21'–0"	23'–10"	235'–0"			
107	RADIO SHOP (COMMUNICATION BUILDING)	14'–10"	88'–4"	34'–0"			
108	MAGNOLIA COOLING TOWER NO 4	36'–0"	183'–6"	51'–0"			
110	MAGNOLIA UNIT 3/4 STACK	150'–0"	12'–0"	12'–0"			
111	ADMINISTRATION BUILDING	37'–4"	117'–0"	147'–6"			
112	ADMINISTRATION BUILDING EXPANSION	26'–0"	38'–0"	83'–0"			
113	ELECTRIC SHOP	20'–0"	100'–6"	92'–6"			
114	ELECTRIC SHOP CRANE STRUCTURE	37'–0"	100'–6"	42'–9 1/2"			
115	TEST WELLS						
116	OIL/WATER SEPARATOR						

NO.	LM6000 BATTERY LIMITS
1	LM6000 GAS TURBINE GENERATOR
2	AUXILIARY SKID
3	SCR W/EXHAUST STACK
5	FUEL GAS FILTERS & REGULATORS
6	DEMINERALIZED WATER FILTERS
7	SPRINT INJECTION SKID
8	WATER INJECTION SKID
9	DUAL AIR COMPRESSORS WITH DRYER
10	OIL/ WATER SEPARATOR
11	15KV GENERATOR BREAKERS
12	AUX TRANSFORMER 13.8KV/4160V
13	AUX TRANSFORMER 4160V/480V
14	UTILITY CONTROL ROOM W/ GTG CONTROL PANEL
15	ELECTRICAL SWITCHGEAR ROOM
16	BATTERY ROOM
17	CEMS PACKAGE
19	TURBINE REMOVAL PAD
20	GENERATOR REMOVAL PAD
21	RUN OFF WATER COLLECTION SUMP
22	AMMONIA FORWARDING & OFF LOADING PUMPS
25	FUEL GAS COMPRESSORS
26	AMMONIA TANK
28	BLACK START GENERATOR
29	WATER OIL TANK 5,000 GAL
30	WASTE OIL PUMP
31	EXISTING BRINE TANK

GENERAL LEGEND

- CONCRETE
- NEW FACILITY
- EXISTING FACILITY
- NEW FENCE
- EXISTING FENCE
- TRANSMISSION LINE DUCT BANK
- UNDERGROUND OIL/WATER LINE

NOTES

1. THE VERTICAL GRID SYSTEM IS BURBANK WATER AND POWER YARD DATUM. YARD DATUM COORDINATE N 0.00, E 0.00 CORRESPONDS TO N 1885865.5435, E 6466295.8602 CALIFORNIA STATE PLANE, ZONE 5, NAD 83.
2. BACKGROUND AND GRID SCANNED FROM DRAWING EM–271–K, GENERAL PLANT BUILDINGS & GROUNDS LAYOUT. ALL COORDINATES AND DISTANCES SHALL BE FIELD VERIFIED.
3. SEE DRAWING S3001 FOR EXISTING SITE ARRANGEMENT AND TOPOGRAPHY.
4. FOR PROPOSED GRADING AND DRAINAGE SEE S3002.
5. THE LENGTH/WIDTH OF ABOVE LISTED FACILITIES CORRESPOND TO THE N–S/E–W DIRECTIONS RESPECTIVELY.

NOT TO BE USED FOR CONSTRUCTION

NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
C	11–1–2001	CEC DATA REQUEST RESPONSE	SAC	HMS	EL		CJS
B	10–30–2001	CEC DATA REQUEST RESPONSE	SAC	HMS	EL		CJS
A	10–22–2001	CEC DATA REQUEST RESPONSE	SAC	HMS	EL		CJS

SCALE: 1"=40'

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF CALIFORNIA.
SIGNED
DATE REG NO.

BLACK & VEATCH CORPORATION
ENGINEER EWL DRAWN JJK
CHECKED DATE

MAGNOLIA POWER PROJECT
SCPPA/CITY OF BURBANK

MPP UNIT SITE ARRANGEMENT
SITE ARRANGEMENT

PROJECT DRAWING NUMBER 099523–DS–S1003 REV C
CODE
AREA

GRA07739 A1ASL017 E1 11/19/01 13:20:47 ACAD 15.05 1=40