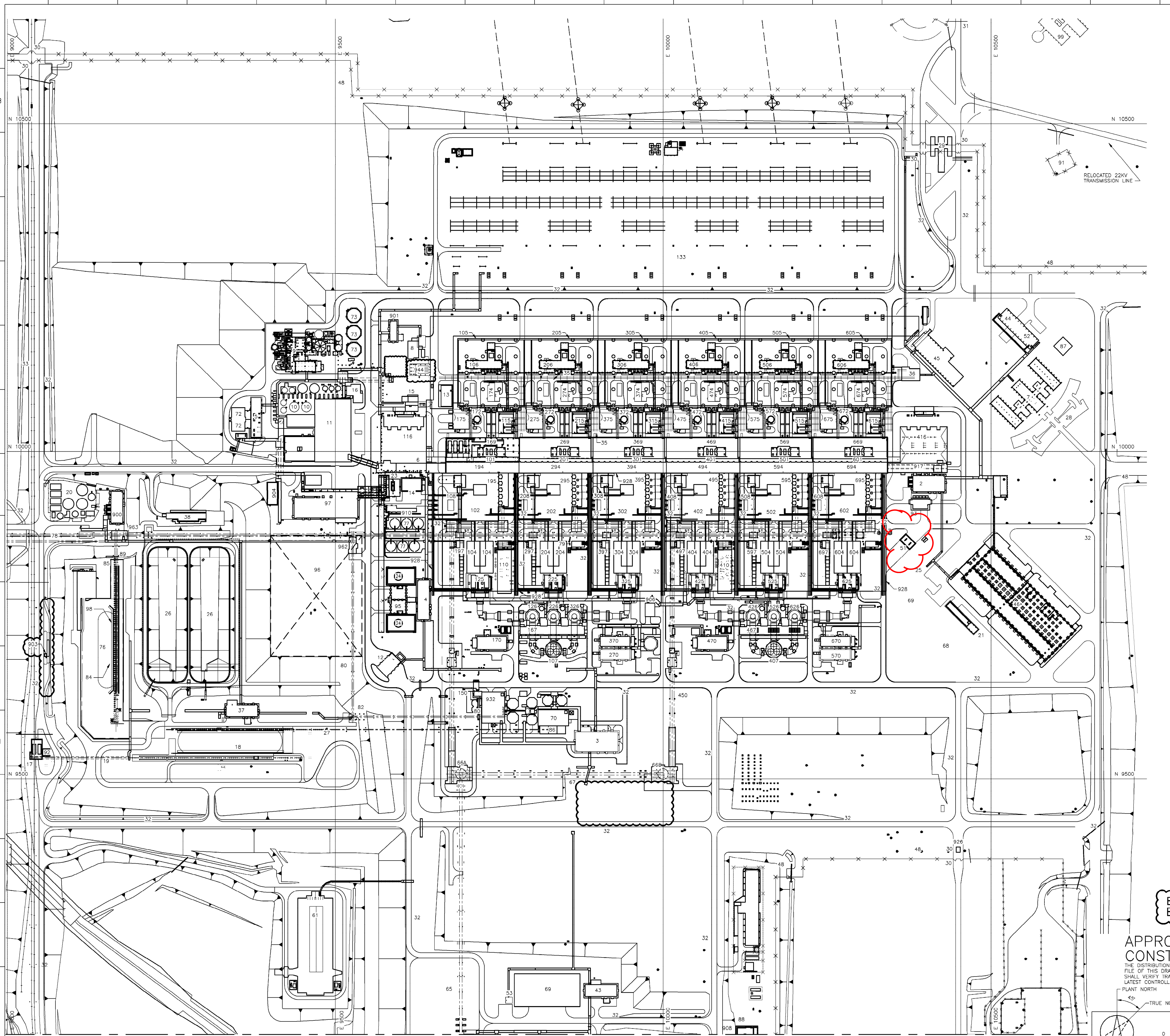

FACILITIES LEGEND

2	SUBSTATION EAST	133	HV SUBSTATION
3	SUBSTATION SOUTH	150	INCLINE COAL CONVEYORS (UNITS 1, 2 & 3)
4	AUX SUBSTATION A	167	FGD PUMP BUILDING (UNITS 1, 2 & 3)
5	FIRE WATER PUMP BUILDING	169	STEAM EXHAUST DUCTS
6	AUX BAY EXTENSION WEST	170	FGD SUBSTATION
7	ADMINISTRATION BUILDING	172	CONDENSATE RESERVE TANK
8	HYDROGEN PLANT	174	AIR COOLED CONDENSER AUXILIARY BUILDING
9	WASTEWATER TREATMENT SUBSTATION	175	CONDENSATE POLISHER PLANT
10	PROCESS DRAINS RECOVERY TANK	194	AUXILIARY BAY
11	WATER TREATMENT PLANT	195	COAL MILLS
12	FUEL OIL UNLOADING STATION	197	DEGRITTING SUMP
13	DAILY ISSUE OIL STORES BUILDING	201	TURBINE GENERATOR BUILDING
14	AUXILIARY BOILER	202	STEAM GENERATOR (BOILER) BUILDING
15	DIRTY OIL, TURBINE LUBE OIL	204	FABRIC FILTER
16	EFFLUENT NEUTRALIZATION SUMP	205	AIR COOLED CONDENSER
17	LIMESTONE RAIL / TRUCK UNLOADING HOPPER	206	ACC SUBSTATION
18	LIMESTONE STORAGE PILE	208	COARSE ASH CONVEYOR
19	LIMESTONE STACKING CONVEYOR	215	GENERATOR STEP UP TRANSFORMER
20	SEWAGE TREATMENT PLANT	225	INDUCED DRAFT FANS
21	GARAGES	226	WET FGD ABSORBER
23	PROPANE TANK	269	STEAM EXHAUST DUCTS
24	FUEL OIL STORAGE TANK	270	FGD SUBSTATION
25	STEAM CLEAN	272	CONDENSATE RESERVE TANK
26	HOLDING/RECYCLING DAM	274	AIR COOLED CONDENSER AUXILIARY BUILDING
27	LIMESTONE RECLAIM CONVEYOR	275	CONDENSATE POLISHER PLANT
28	ADMINISTRATION BUILDING PARKING	294	AUXILIARY BAY
29	ACCESS CONTROL	295	COAL MILLS
30	SECURITY GATE	297	DEGRITTING SUMP
31	MAIN STATION ACCESS ROAD	301	TURBINE GENERATOR BUILDING
32	STATION ROAD	302	STEAM GENERATOR (BOILER) BUILDING
33	RAILROAD	304	FABRIC FILTER
34	SUBSTATION CONTROL HOUSE	305	AIR COOLED CONDENSER
35	TRANSFORMER TRANSPORT RAIL SYSTEM	306	ACC SUBSTATION
36	SPARE TRANSFORMER STORAGE AREA	308	COARSE ASH CONVEYOR
37	LIMESTONE HANDLING SUBSTATION	315	GENERATOR STEP UP TRANSFORMER
38	HOLDING/RECYCLING DAM PUMP STRUCTURE	325	INDUCED DRAFT FANS
43	NORTH COAL YARD SUBSTATION	326	WET FGD ABSORBER
44	FIRE STATION	369	STEAM EXHAUST DUCTS
45	CANTEEN	370	FGD SUBSTATION
46	WORKSHOP AND STORES BUILDING	372	CONDENSATE RESERVE TANK
48	STATION SECURITY FENCE	374	AIR COOLED CONDENSER AUXILIARY BUILDING
51	FILLING STATION	375	CONDENSATE POLISHER PLANT
52	MEDICAL FACILITY	394	AUXILIARY BAY
53	COAL STOCK YARD OFFICES	395	COAL MILLS
61	COAL STOCK YARD/LIMESTONE BUILDING SETTLING BASIN	397	DEGRITTING SUMP
65	TERRACE LINK CONVEYOR SY3A & SY3B	401	TURBINE GENERATOR BUILDING
66A	TERRACE COAL SILO NO. 1	402	STEAM GENERATOR (BOILER) BUILDING
66B	TERRACE COAL SILO NO. 2	404	FABRIC FILTER
67	OVERSILO CONVEYOR	405	AIR COOLED CONDENSER
68	STORAGE YARD	406	ACC SUBSTATION
69	HEAVY EQUIPMENT STORAGE AREA	407	CHIMNEY (UNITS 4, 5 & 6)
70	REAGENT PREPARATION	408	COARSE ASH CONVEYOR
72	SERVICE/FIRE WATER TANK	410	EAST COMPRESSOR BUILDING
76	EMERGENCY ASH DUMP	415	GENERATOR STEP UP TRANSFORMER
77	FLY ASH SILOS	416	AUXILIARY COOLING TOWER AREA (UNITS 4, 5 & 6)
78	OVERLAND LINK CONVEYOR	425	INDUCED DRAFT FANS
79	TRANSVERSE ASH CONVEYORS	426	WET FGD ABSORBER
80	FGD BYPRODUCT CONVEYOR	450	INCLINE COAL CONVEYORS (UNITS 4, 5 & 6)
82	FGD BYPRODUCT TRANSFER TOWER TH-10	467	FGD PUMP BUILDING (UNIT 4, 5, 6)
84	ASH RECLAIMER	469	STEAM EXHAUST DUCTS
85	ASH RECLAIM CONVEYOR	470	FGD SUBSTATION
86	LIMESTONE SILOS (3)	472	CONDENSATE RESERVE TANK
87	HELIPAD	474	AIR COOLED CONDENSER AUXILIARY BUILDING
88	RADIO TOWER	475	CONDENSATE POLISHER PLANT
89	ASH STACKER CONVEYOR	494	AUXILIARY BAY
91	22 KV SUBSTATION (BY OTHERS)	495	COAL MILLS
92	LIMESTONE CONTROL BUILDING (FUTURE)	497	DEGRITTING SUMP
93	SANDBLAST BUILDING	501	TURBINE GENERATOR BUILDING
95	FUEL OIL PUMP BUILDING	502	STEAM GENERATOR (BOILER) BUILDING
96	AREA FOR TEMPORARY ADMIN OFFICES AND PARKING	504	FABRIC FILTER
97	STATION SERVICES BUILDING	505	AIR COOLED CONDENSER
98	ASH STACKER	506	ACC SUBSTATION
99	FUTURE VISITORS CENTER	508	COARSE ASH CONVEYOR
900	AUX SUBSTATION B	515	GENERATOR STEP UP TRANSFORMER
901	HYDROGEN PLANT SUBSTATION	525	INDUCED DRAFT FANS
903	WEIGH BRIDGE	526	WET FGD ABSORBER
904	DIESEL GENERATOR BUILDING	569	STEAM EXHAUST DUCTS
905		570	FGD SUBSTATION
906	MILL MAINTENANCE WORKSHOP	572	CONDENSATE RESERVE TANK
908	RADIO TOWER OFFICE	574	AIR COOLED CONDENSER AUXILIARY BUILDING
910	FLY ASH GRIT SUMP	575	CONDENSATE POLISHER PLANT
917	AUX BAY EXTENSION EAST	594	AUXILIARY BAY
926	GATE HOUSE	595	COAL MILLS
928	HITACHI APRON SLAB	597	DEGRITTING SUMP
932	BYPRODUCT DEWATERING BUILDING	601	TURBINE GENERATOR BUILDING
944	NITROGEN GENERATION PLANT	602	STEAM GENERATOR (BOILER) BUILDING
945	FILTERED WATER TANK	604	FABRIC FILTER
962	ASH TRANSFER HOUSE 7	605	AIR COOLED CONDENSER
963	ASH TRANSFER HOUSE 8	606	ACC SUBSTATION
101	TURBINE GENERATOR BUILDING	608	COARSE ASH CONVEYOR
102	STEAM GENERATOR (BOILER) BUILDING	615	GENERATOR STEP UP TRANSFORMER
104	FABRIC FILTER	625	INDUCED DRAFT FANS
105	AIR COOLED CONDENSER	626	WET FGD ABSORBER
106	ACC SUBSTATION	669	STEAM EXHAUST DUCTS
107	CHIMNEY (UNITS 1, 2 & 3)	670	FGD SUBSTATION
108	COARSE ASH CONVEYOR	672	CONDENSATE RESERVE TANK
110	WEST COMPRESSOR BUILDING	674	AIR COOLED CONDENSER AUXILIARY BUILDING
115	GENERATOR STEP UP TRANSFORMER	675	CONDENSATE POLISHER PLANT
116	AUXILIARY COOLING TOWER AREA (UNITS 1, 2 & 3)	694	AUXILIARY BAY
125	INDUCED DRAFT FANS	695	COAL MILLS
126	WET FGD ABSORBER	697	DEGRITTING SUMP

STATION CENTERLINE COORDINATES

(WGS/Lo29)

X = +2 867 630.000
Y = + 8 350.000
STATION ZERO DATUM LEVEL (0.000) = 1503.250 masl
(BOTTOM OF BASEPLATE – MAIN BOILER COLUMNS)

NOTES

1. SEE DWG S1000 FOR GENERAL NOTES AND LEGEND.
2. REFER TO ESKOM DRAWING 0.90/692 SHT 0, FOR DEFINITION OF ZERO DATUM LEVEL.
3. REFER TO DRAWINGS S1003-S1013 FOR DETAILED SITE ARRANGEMENT INFORMATION.

BACKCIRCLES PER ECN-N-S-1032

APPROVED FOR CONSTRUCTION

THE DISTRIBUTION AND USE OF THE NATIVE FORMAT CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE USER SHALL VERIFY TRACEABILITY OF THIS DRAWING TO THE LATEST CONTROLLED VERSION.

PLANT NORTH
TRUE NORTH

0 50 100 150
SCALE IN METERS

MATCHLINE N 9110 – FOR CONTINUATION SEE DWG S1002

THIS DRAWING SUPERCEDES ESKOM DRAWING # 0.90/6 REV 0

D.O.	REV	DATE	** REVISION **	REV BY	CHKD BY	AUTH BY	KKS APP
	15	11/DEC/15	ECN-N-S-1032	EAP	YAW	YAW	AJS
	14	21/MAY/13	ECN-N-S-0654	MJW	GLG	GLG	AJS
	13	11/JULY/12	ECN-N-S-0394	JJM	MJW	GLG	MDC
	12	08/AUG/11	ECN N-S-0223	JSH	MJW	GLG	MDC
	11	04/FEB/11	ECN N-S-0171	JSH	MJW	GLG	MDC
	10	14/SEP/10	ECN N-S-0146	MSW	MJW	GLG	MDC
	9	12/MAY/10	ECN N-S-0106	MSW	MJW	GLG	MDC
	8	11/FEB/10	ECN N-S-0096	MSW	MJW	GLG	MDC
	7	21/AUG/09	ECN N-S-0067	MSW	MJW	GLG	MDC
	6	01/JUL/09	ECN N-S-0051	MJW	GLG	MDC	
	5	16/JAN/09	ECN N-S-0036	MJW	JWF	MDC	
	4	17/OCT/08	ISSUE FOR DESIGN FREEZE	DNS	MJS	DLS	
	3	19/SEP/08	ECN-N-S-0019	JSH		DLS	
	2	18/JULY/08	ECN-N-S-0012	DNS		DLS	
	1	09/MAY/08	ECN-N-S-0005	JSH		DLS	
	0	04/MAR/08	ISSUED FOR BASIS OF CONTRACT				

INDEX REFERENCE : S 2.1

0.90 REFERENCE DRAWINGS

DRG REGISTR
DESIGN APPROVED
KKS APP
DO AUTH
CHKD BY
DRAWN BY: MSW
SCALE: 1:2000

AUTHORISED FOR ESKOM BY: JVT
DATE: 11/DEC/15

BLACK & VEATCH
Eskom

KUSILE POWER STATION
STATION LAYOUT

146838-0UXB-S1001
REV 15

0.90/137
SHEET
REV

SIZE GROOTTE A0L