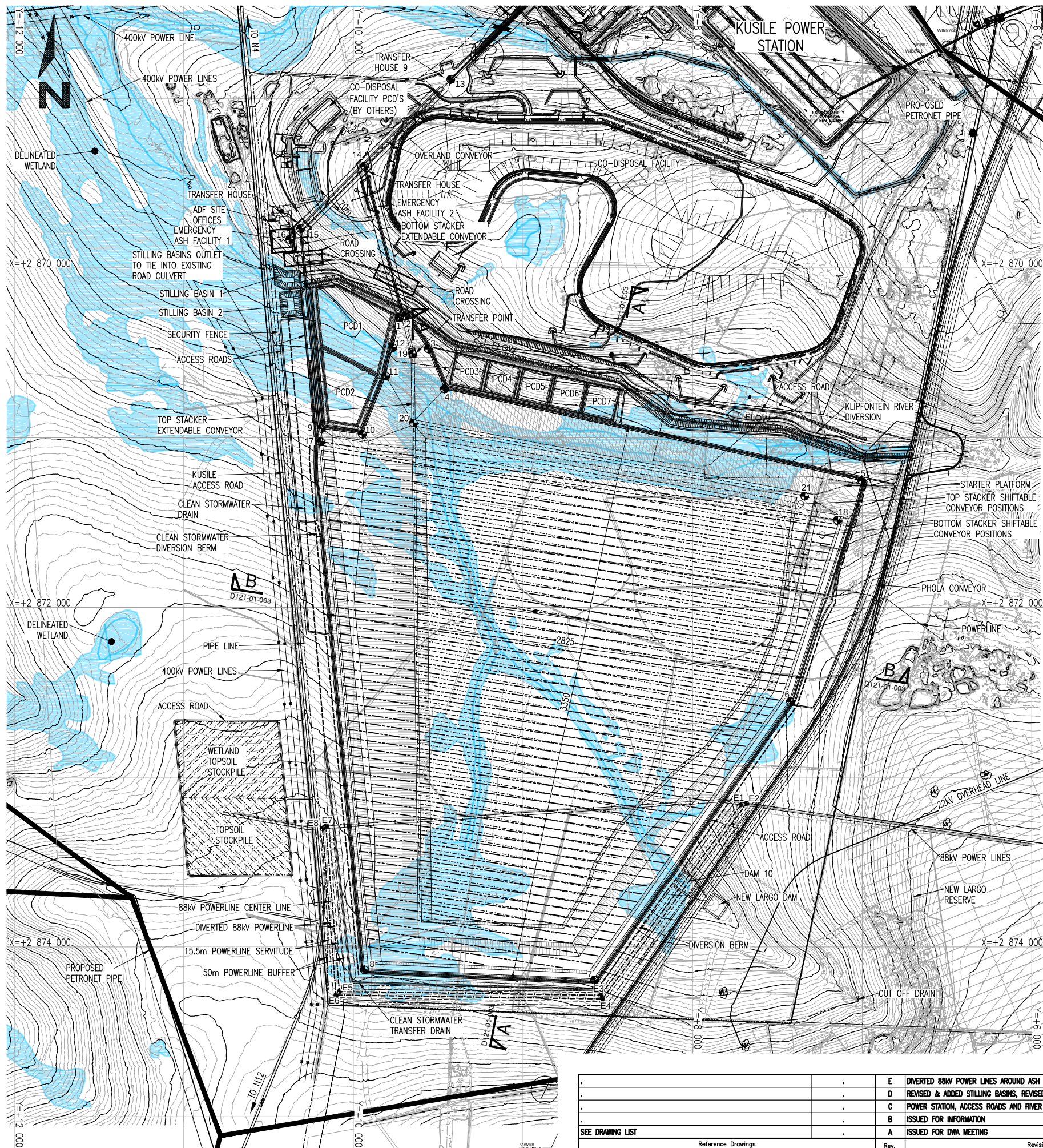




LIST OF CO-ORDINATES				
60 YEAR ASH FACILITY SETTING OUT (CO-ORD SYSTEM WGS LO 29)				
SOP	Y	X	Z	
1	9 728.345	2 870 292.800	**	
2	9 690.415	2 870 283.070	**	
3	9 558.932	2 870 476.440	**	
4	9 462.762	2 870 712.220	**	
5	7 000.985	2 871 253.130	**	
6	7 422.610	2 872 553.980	**	
7	8 577.151	2 874 194.760	**	
8	9 935.180	2 874 135.220	**	
9	10 189.870	2 870 945.500	**	
10	9 947.701	2 870 978.780	**	
11	9 809.554	2 870 635.620	**	
12	9 767.913	2 870 468.150	**	

CONVEYOR SETTING OUT (CO-ORD SYSTEM WGS LO 29)				
SOP	Y	X	Z	
13	9 425.283	2 868 888.170	**	
14	9 934.162	2 869 399.710	**	
15	10 310.670	2 869 767.020	**	
16	10 375.737	2 869 832.087	**	
17	10 192.560	2 871 023.810	**	
18	7 144.018	2 871 485.080	**	
19	9 650.525	2 870 504.380	**	
20	9 645.347	2 870 912.430	**	
21	7 338.056	2 871 343.910	**	

88kV POWER LINE DIVERSION SETTING OUT (CO-ORD SYSTEM WGS LO 29)				
SOP	Y	X	Z	
E1	7 714.531	2 873 163.282	**	
E2	7 681.089	2 873 153.325	**	
E3	8 542.036	2 874 284.921	**	
E4	8 531.547	2 874 306.075	**	
E5	10 082.845	2 874 262.507	**	
E6	10 102.234	2 874 283.227	**	
E7	10 161.977	2 873 286.738	**	
E8	10 181.665	2 873 303.399	**	

- KEY**
- DELINEATED WETLAND
 - COAL RESERVES
 - AREA RESERVED FOR NORMAL TOPSOIL STORAGE
 - AREA RESERVED FOR WETLAND TOPSOIL STORAGE
 - ASH CONVEYOR ROUTE
 - TOP STACKER SHIFTABLE CONVEYOR POSITIONS
 - BOTTOM STACKER SHIFTABLE CONVEYOR POSITIONS

LEGEND
ADF - ASH DISPOSAL FACILITY

INFORMATION

STARTER PLATFORM VOLUME - 35 800 000m³
AREA - 120,5 ha

ASH FACILITY VOLUME - 499 000 000m³
AREA - 696,6 ha

TOTAL - 534 800 000m³
AREA - 817,1 ha

DEPOSITION RATE - 739 125 m³/MONTH/6UNITS
DENSITY - 800 KG/m³
LIFE - 60 YEARS
TOTAL HEIGHT-STARTER PLATFORM - 73,5m
- ASH FACILITY - 123m

MECHANICAL INFORMATION

OVERLAND CONVEYOR LENGTH - 1,250 m

EXTENDABLE CONVEYOR - TOP STACK
INITIAL LENGTH - 1,550 m
ADDITIONAL LENGTH - 2,906 m
- BOTTOM STACK
INITIAL LENGTH - 1,260 m
ADDITIONAL LENGTH - 2,990 m

SHIFTABLE CONVEYOR - TOP STACK
LENGTH (RANGE) - 460 TO 2,347 m
NUMBER OF SHIFTS - 58
- BOTTOM STACK
LENGTH (RANGE) - 686 TO 3,083 m
NUMBER OF SHIFTS - 59

- DRAWING LIST**
- D121-01-001 - LAYOUT OF FACILITY AT FULL DEVELOPMENT
 - D121-01-002 - LAYOUT OF 5 YEAR LINED AREA INCLUDING INFRASTRUCTURE
 - D121-01-003 - TYPICAL LONG SECTIONS & DETAILS
 - D121-01-004 - DETAILED LAYOUT OF 5 YEAR LINED AREA
 - D121-01-005 - LINER DETAILS
 - D121-01-006 - LEACHATE COLLECTION LAYOUT
 - D121-01-007 - PCD LAYOUT AND DETAILS
 - D121-01-008 - CLEAN STORMWATER MANAGEMENT LAYOUT
 - D121-01-009 - CAPPING LAYOUT
 - D121-01-010 - SITE OFFICE LAYOUT
 - D121-01-011 - FINAL REHABILITATION PLAN
 - D121-01-012 - 0 TO 30 YEAR DEVELOPMENT PLAN
 - D121-01-013 - 35 TO 60 YEAR DEVELOPMENT PLAN
 - D121-01-014 - DUST SUPPRESSION & IRRIGATION LAYOUT
 - D121-01-015 - KLIPFONTEIN RIVER DIVERSION, LAYOUT & DETAILS



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Client	ZITHOLELE CONSULTING	Scale	1 : 12 500	A1
Project	KUSILE POWER STATION 60 YEAR ASH FACILITY EIA DETAILED CONCEPT DESIGN LAYOUT OF FACILITY AT FULL DEVELOPMENT	Drawing No	D121-01-001	
Drawn	R.McL.	09.07.13	Designed	C.C. JULY 13
Checked	D.B.	JULY 13	Pr. Eng. Approval	C.C.
Signature			Revision	E

CO-ORD SYSTEM WGS LO 29				
Rev.	Revision	Name	Date	Approved
1	E	DIVERTED 88kV POWER LINES AROUND ASH FACILITY	R.McL.	30.09.14 C.C.
2	D	REVISED & ADDED STILLING BASINS, REVISED ACCESS ROADS, UPDATED TITLE BLOCK	R.McL.	26.03.14 C.C.
3	C	POWER STATION, ACCESS ROADS AND RIVER DIVERSION UPDATED	R.McL.	12.12.13 C.C.
4	B	ISSUED FOR INFORMATION	R.McL.	07.08.13 C.C.
5	A	ISSUED FOR DWA MEETING	R.McL.	09.07.13 C.C.
SEE DRAWING LIST				
Reference Drawings				
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