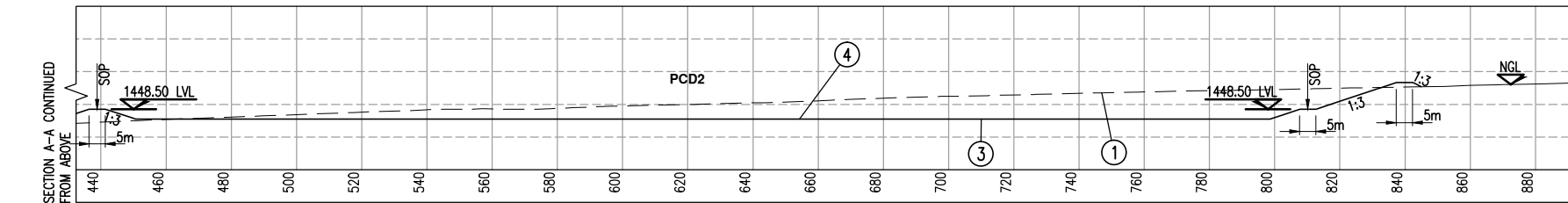
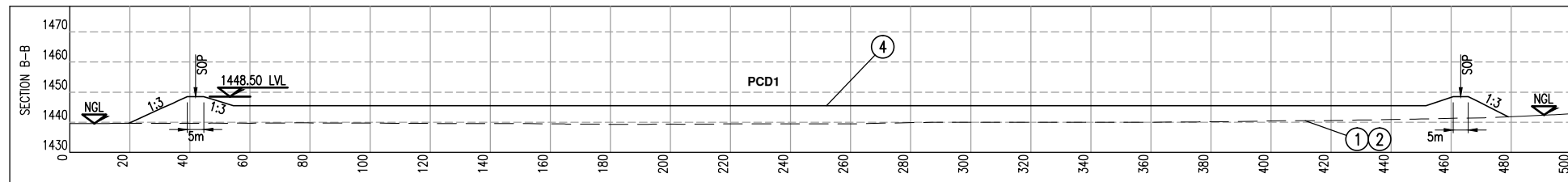


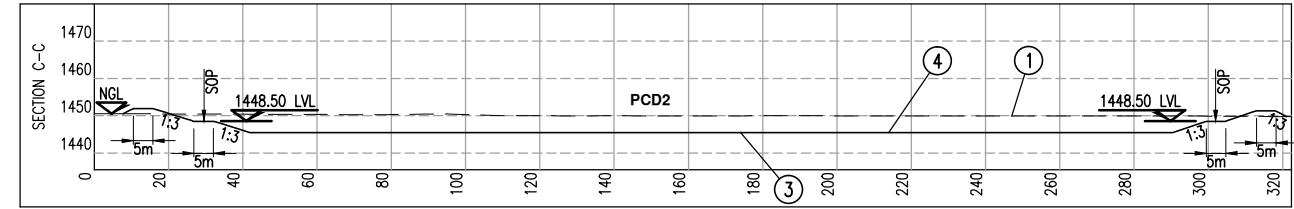
SECTION A-A
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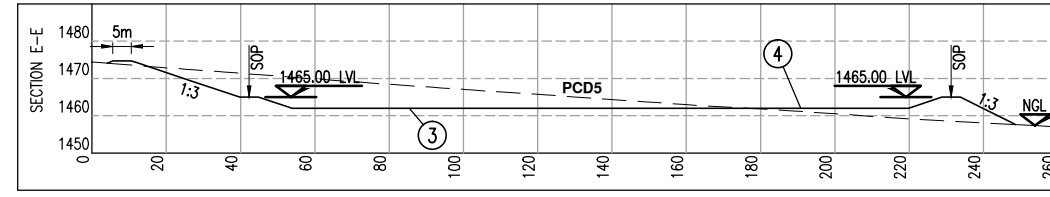
SECTION A-A - (CONTINUED)
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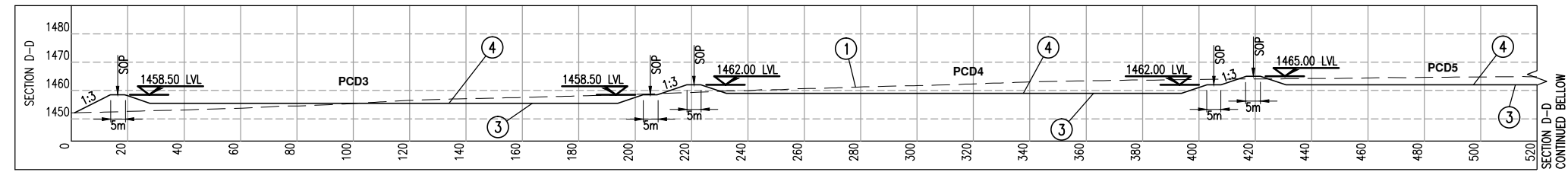
SECTION B-B
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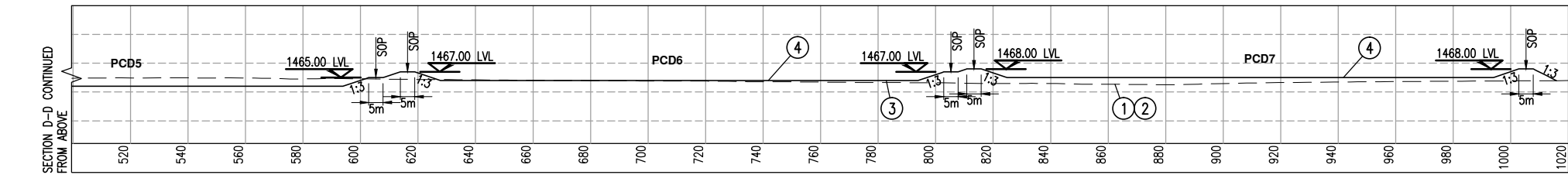
SECTION C-C
1:1000



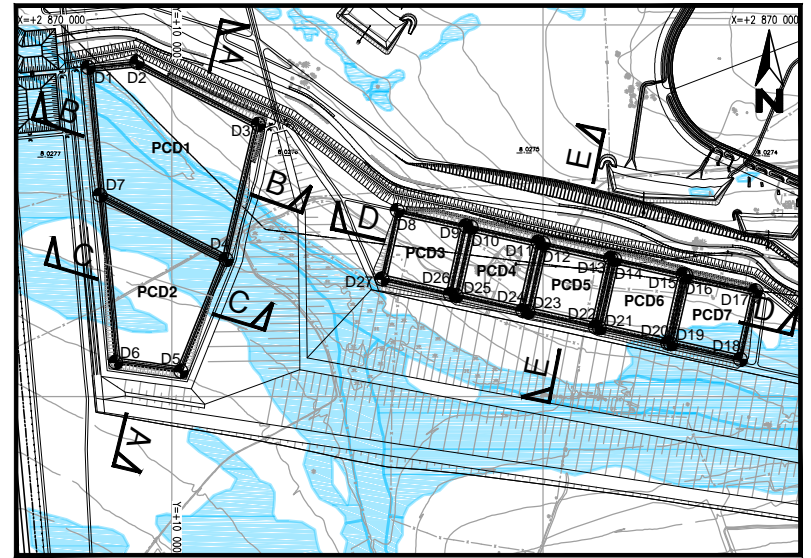
SECTION E-E
1:1000



SECTION D-D
1:1000



SECTION D-D (CONTINUED)
1:1000



KEY PLAN
1:10 000

COMPLEX:	POLLUTION CONTROL DAM:	CATCHMENT (WORST CASE) (HA)	VOLUME (m³)	AREA AT FSL: (m²)
1	PCD 1	85.8	246 600	149 000
	PCD 2		151 200	92 200
	PCD 3		62 400	31 900
2	PCD 4	42.2	60 700	31 100
	PCD 5		61 300	31 400
	PCD 6		62 400	31 900
	PCD 7		60 200	32 200

LIST OF CO-ORDINATES			
PCD SETTING OUT			
(CO-ORD SYSTEM WGS LO 29)			
SOP	Y	X	Z
D1	10 225.28	2 870 114.58	**
D2	10 093.63	2 870 100.68	**
D3	9 766.56	2 870 267.30	**
D4	9 853.31	2 870 631.17	**
D5	9 974.64	2 870 931.88	**
D6	10 150.73	2 870 907.84	**
D7	10 192.97	2 870 458.39	**
D8	9 392.42	2 870 499.48	**
D9	9 207.98	2 870 540.77	**
D10	9 192.86	2 870 544.16	**
D11	9 012.81	2 870 584.47	**
D12	8 999.15	2 870 587.53	**
D13	8 817.64	2 870 628.16	**
D14	8 806.91	2 870 630.56	**
D15	8 622.48	2 870 671.86	**
D16	8 614.67	2 870 673.60	**
D17	8 427.31	2 870 715.55	**
D18	8 468.60	2 870 899.98	**
D19	8 655.96	2 870 858.04	**
D20	8 663.77	2 870 856.29	**
D21	8 848.20	2 870 815.00	**
D22	8 858.93	2 870 812.60	**
D23	9 040.44	2 870 771.96	**
D24	9 054.10	2 870 768.90	**
D25	9 234.15	2 870 728.59	**
D26	9 249.27	2 870 725.21	**
D27	9 433.71	2 870 683.92	**


EARTHWORKS LEGEND

- ① - REMOVE 300mm TOPSOIL TO STOCKPILE
- ② - EXCAVATE AND FILL TO LINES AND LEVELS INDICATED, FILL LAYERS TO BE COMPACTED TO 95% MOD AASHTO AT MC -2 TO +2% OF OMC
- ③ - RIP AND RECOMPACT EXCAVATED AREAS TO 95% MOD AASHTO AT MC -2 TO +2% OF OMC
- ④ - INSTALL LINING SYSTEM AS PER DRAWING D121-01-005

Rev.	Description	Name	Date	Approved
C	REVISED & ADDED STILLING BASINS, REVISED ACCESS ROADS, UPDATED TITLE BLOCK	R.McL.	28.03.14	C.C.
B	RIVER DIVERSION UPDATED	R.McL.	12.12.13	C.C.
A	ISSUED FOR INFORMATION	R.McL.	07.08.13	C.C.

Reference Drawings: D121-01-001
Rev. Revision Name Date Approved
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SUB-SOIL DRAINAGE PIPES USED IN PCD DAMS:
 LVL1 SUB-SOIL DRAIN PIPES - Ø 160mm PERFORATED HDPE PIPES
 LVL2 SUB SOIL DRAIN PIPES - Ø 250mm PERFORATED HDPE PIPES
 LVL3 OUTLET PIPE TO SUMP - Ø 250mm SOLID HDPE PIPES



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Drawn	R.McL.	09.07.13
Designed	C.C.	JULY 13
Checked	D.B.	JULY 13
Pr. Eng. Approval	C.C.	.
Signature		

Client: **ZITHOLE CONSULTING**

Project: **KUSILE POWER STATION
60 YEAR ASH FACILITY
EIA DETAILED CONCEPT DESIGN
PCD LAYOUT AND SECTIONS**

Scale	AS SHOWN	A1
Drawing No	D121-01-007	
Revision	C	