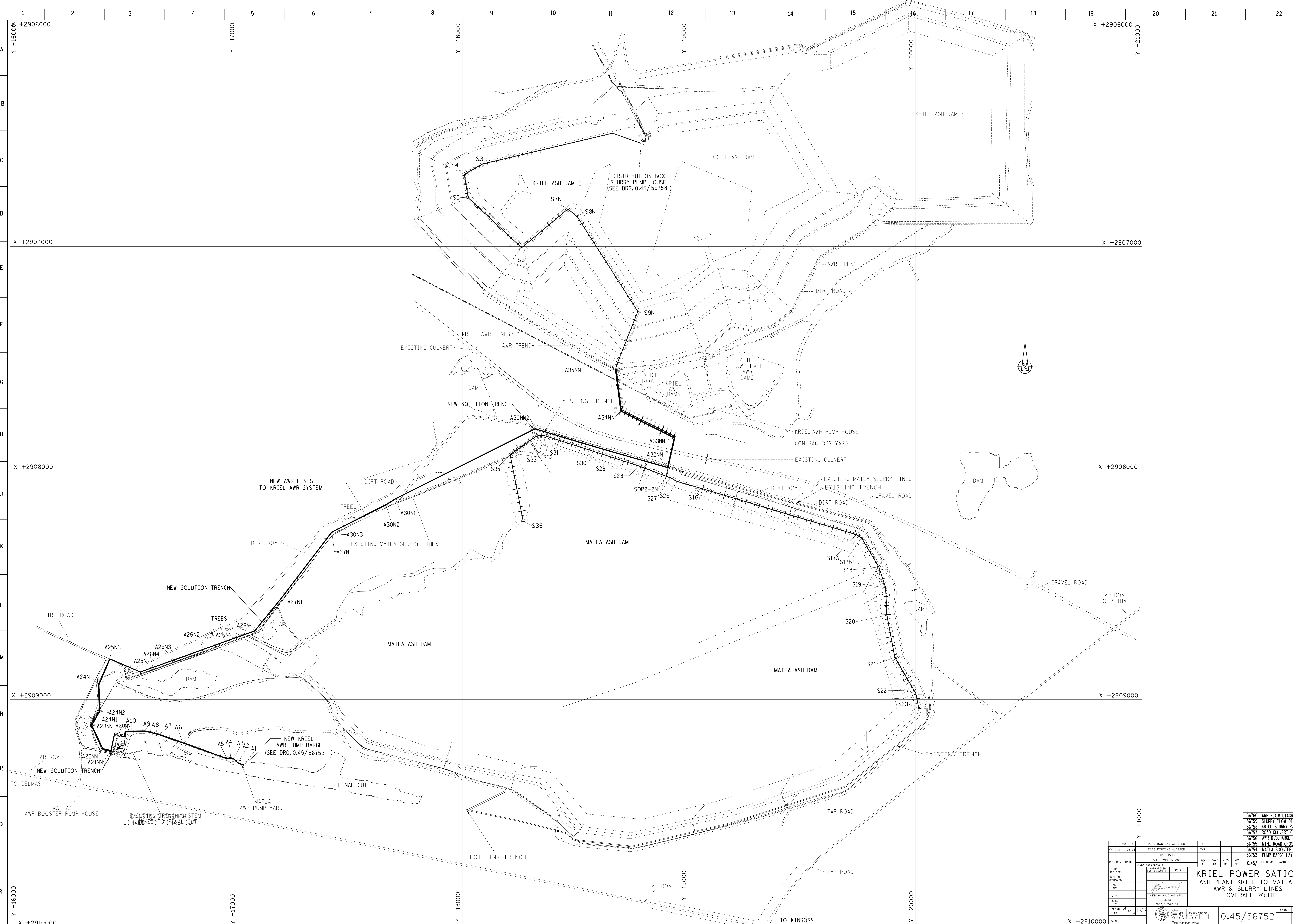


APPENDIX C

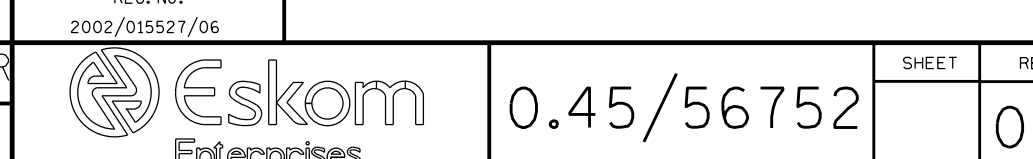
FACILITY ILLUSTRATION(S)



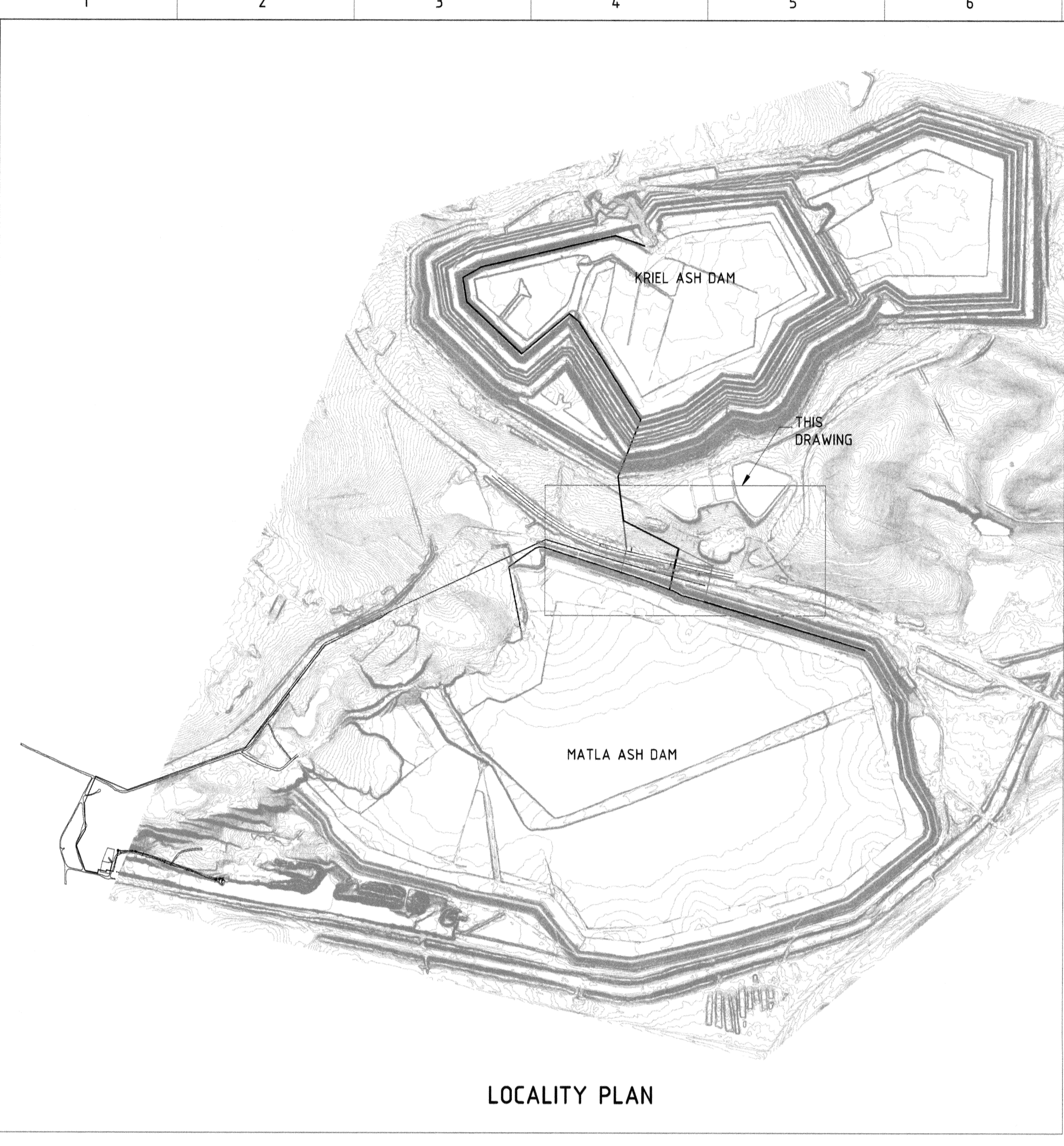
NO	DATE	DESCRIPTION	BY	CHKD	APP	SCALE	REV
01	2008/08/14	PIPE ROUTING ALTERED	TWR				
02	23/08/15	PIPE ROUTING ALTERED	TWR				
03	01	FIRST ISSUE					
04	REV	INDEX REFERENCE	BY	CHKD	APP	SCALE	REV
01	03/14	TVR				0.45/56752	02

56760	AWR FLOW DIAGRAM
56759	SLURRY FLOW DIAGRAM
56758	KRIEL SLURRY P.H.S.E.
56757	ROAD CULVERT G.A.
56756	AWR DISCHARGE AREA
56755	MINE ROAD CROSSING
56754	MATLA BOOSTER P.H.S.E.
56753	PUMP BARGE LAYOUT

KRIEL POWER STATION
 ASH PLANT KRIEL TO MATLA
 AWR & SLURRY LINES
 OVERALL ROUTE



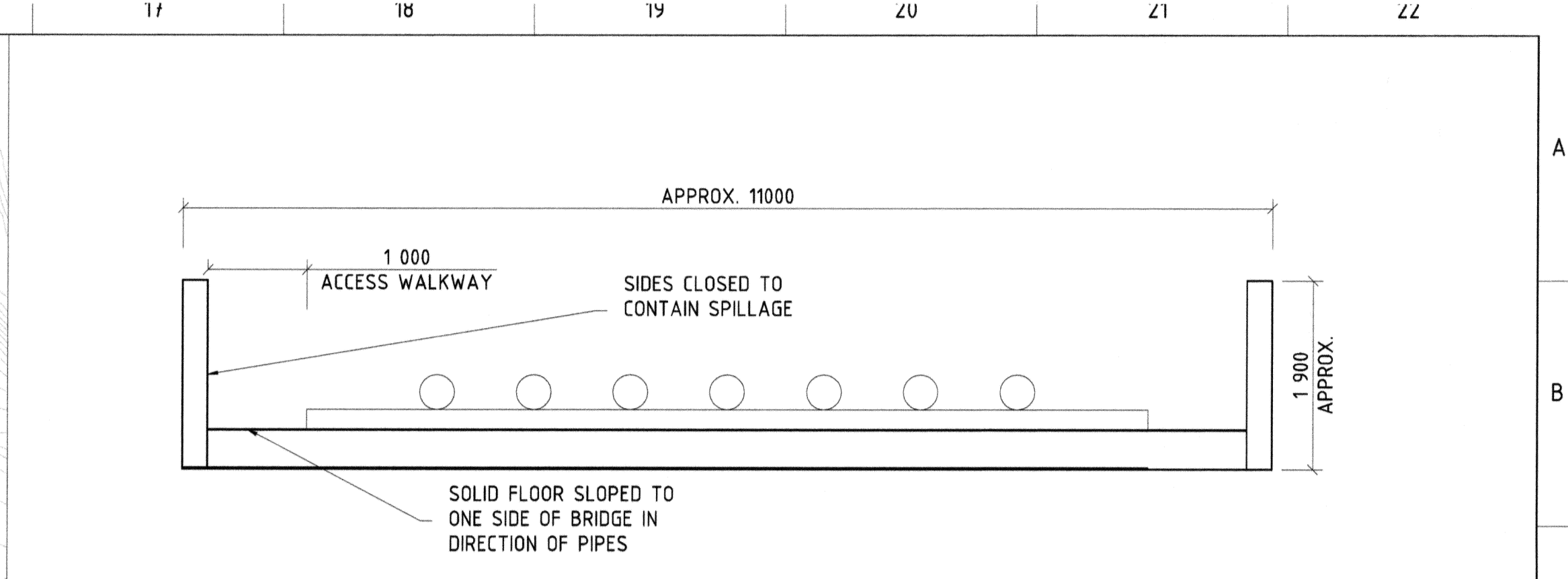
0.45/56752 SHEET 02



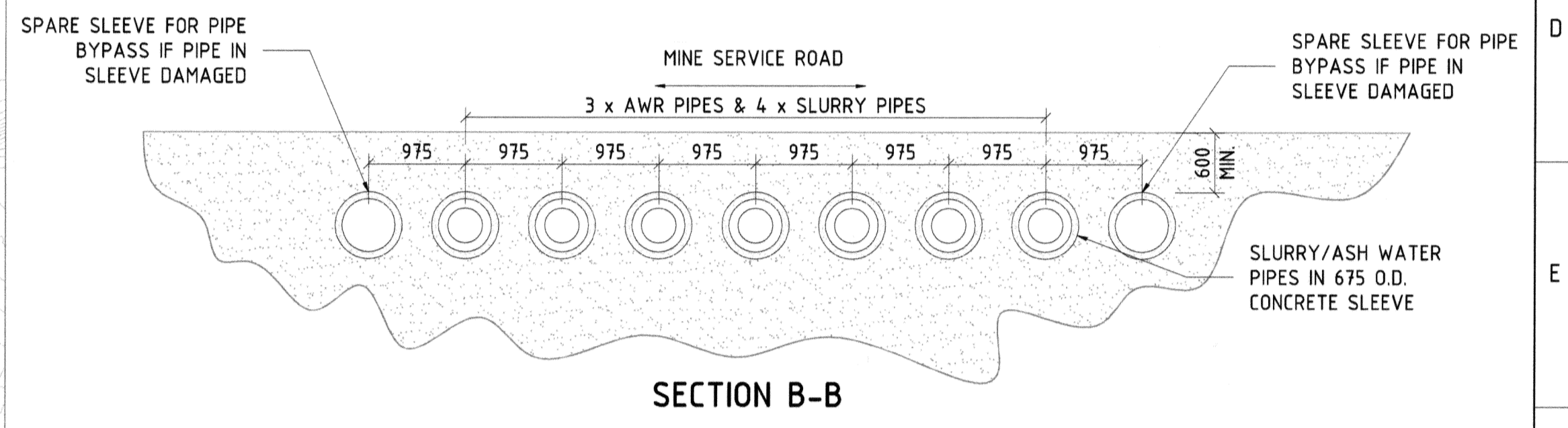
LOCALITY PLAN



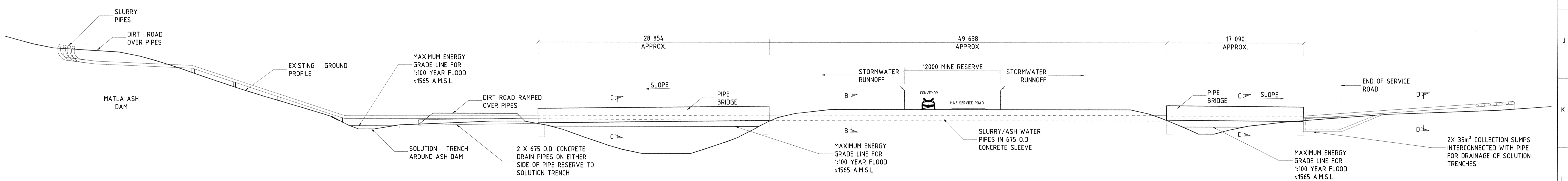
PLAN SHOWING PIPE CROSSING



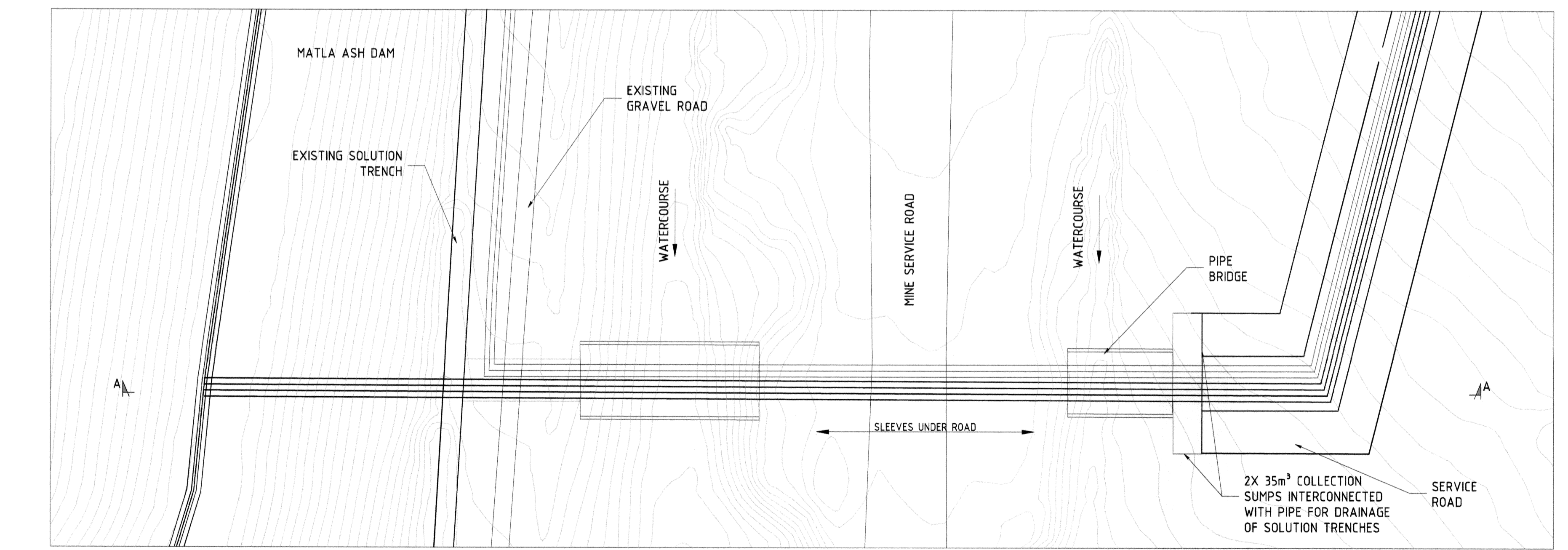
TYPICAL SECTION C-C THROUGH PIPE BRIDGE



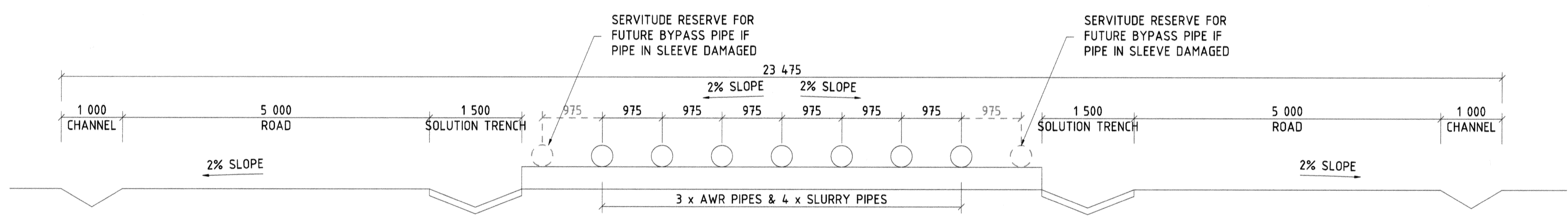
SECTION B-B



SECTION A-A PIPE CROSSING



PLAN OF PIPE CROSSING



SECTION D-D

FOR INFORMATION ONLY

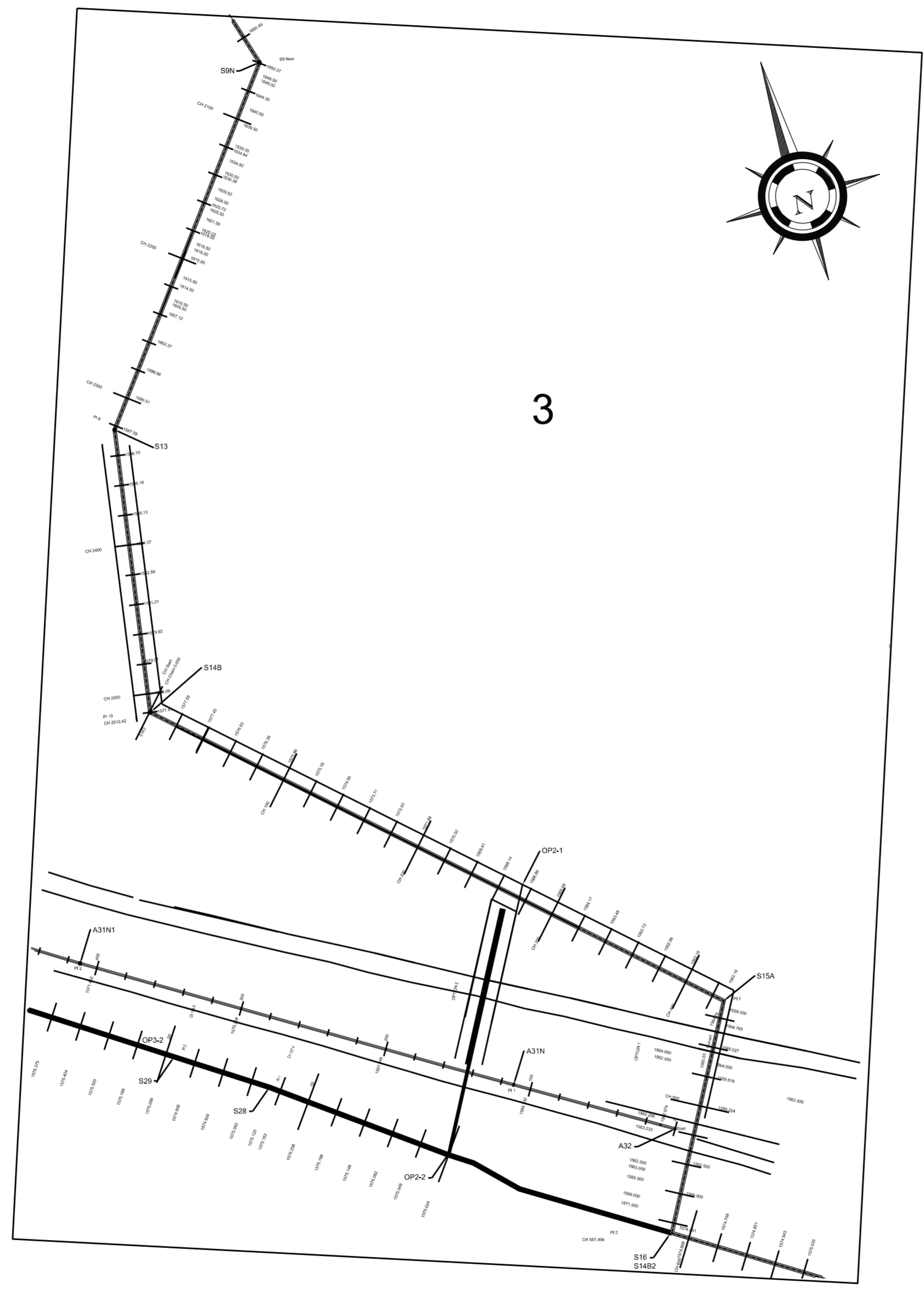
0	03/09/15	MATLA ASH DAM INDICATED	NM						
1	20/08/15	SINGLE CROSSING OPTION UPDATED	NM						
2	09/07/15	FOR INFORMATION	NM						
D.O. REV		DATE	INDEX REFERENCE	APPROVED BY	CHKD BY	AUTH BY	KKS APP	REFERENCE DRAWINGS	
DRC									
KKS APP									
AUTH BY									
DRAWN BY									
SCALE		AS SHOWN							
					KRIEL POWER STATION KRIEL-MATLA ASH TRANSFER MINE SERVICE ROAD PIPE CROSSING CONCEPT		SHEET 1 REV 0		

0.45/58835

1 0

1 2 3 4 5 6 7 8

A
B
C
D
E
F



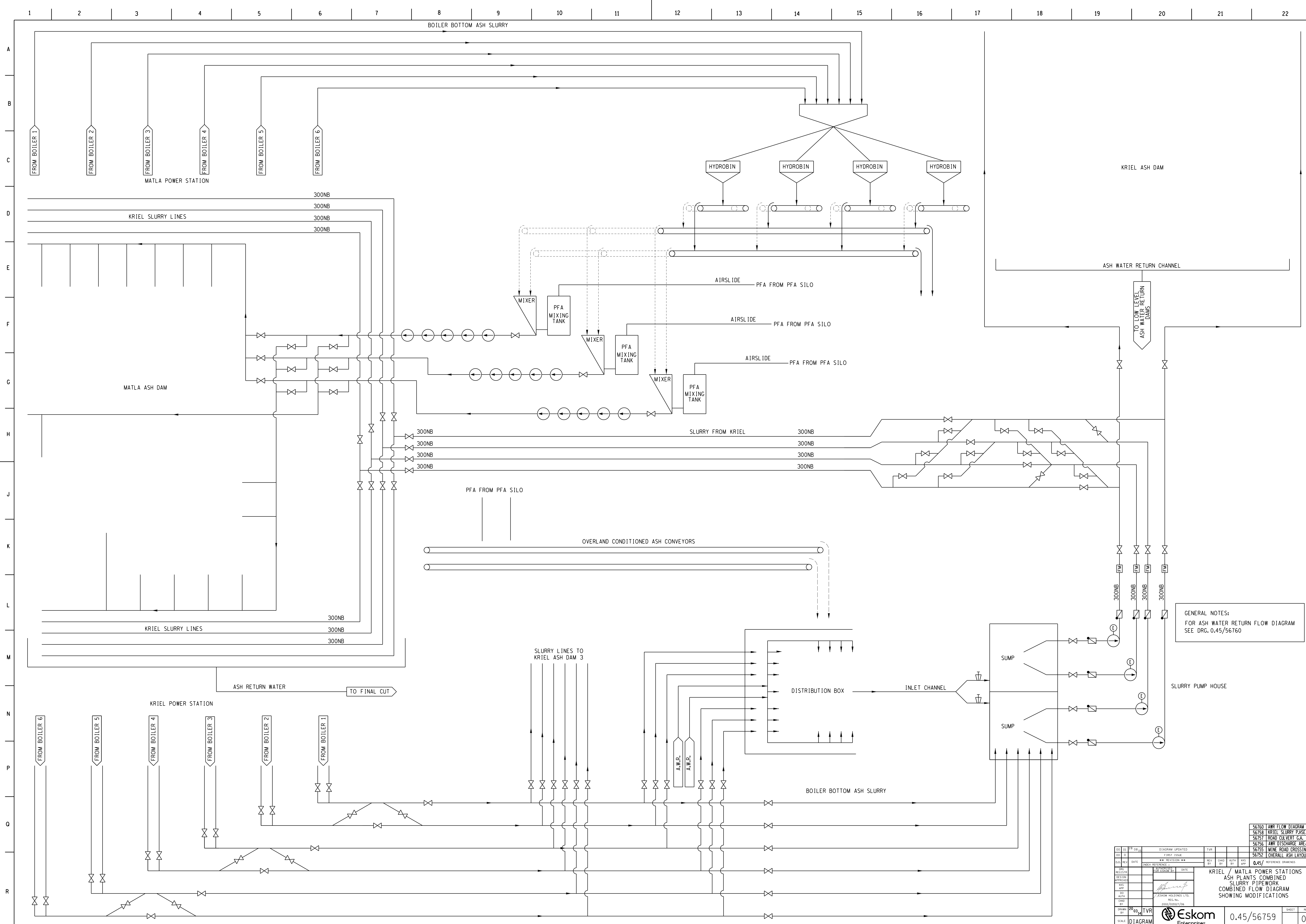
FOR_INFORMATION ONLY

THE DIMENSIONS AND USE OF THE METRIC FILE FORMAT OF THIS DRAWING OUTSIDE OF ESKA & NERCHA IS UNCONTROLLED AND SHALL BE USED FOR REFERENCE PURPOSES ONLY.

DATE	14/09/22	ISSUED_FOR_INFORMATION_ONLY	REV	-	CHD	-	AUTH	-	APP	-	REFERENCE DRAWINGS
INDEX REFERENCE	** REVISION **	DATE	REV	BY	CHD	BY	AUTH	BY	APP	BY	REFERENCE DRAWINGS
DESIGN	-	DATE	-	-	-	-	-	-	-	-	KRIEL_POWER_STATION KRIEL_MATLA_LINK AREA - 3 ASH-DUMPS
DESIGN APPROVAL	-	DATE	-	-	-	-	-	-	-	REV	
DESIGN APP	-	DATE	-	-	-	-	-	-	-	REV	
DESIGN AUTH	-	DATE	-	-	-	-	-	-	-	REV	
DESIGN CHD	-	DATE	-	-	-	-	-	-	-	REV	
SCALE	N.T.S										FOR_INFORMATION SHEET 1 REV 0



DATE



GENERAL NOTES:
FOR ASH WATER RETURN FLOW DIAGRAM
SEE DRG. 0.45/56760

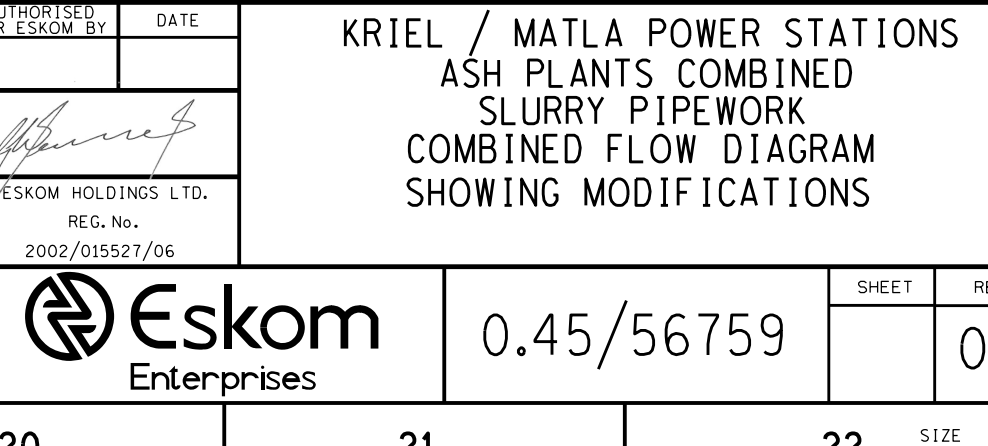
NO.	REV.	DATE	DESCRIPTION	BY	CHKD.	APP.	DATE
01			DIAGRAM UPDATED				
02			FIRST ISSUE				
03			REVISION				
04			INDEX REFERENCE				
05			SCALE				
06			SCALE				
07			SCALE				
08			SCALE				
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13			SCALE				
14			SCALE				
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22			SCALE				

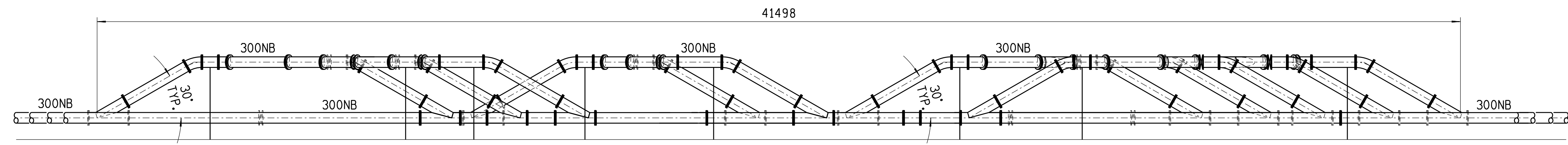
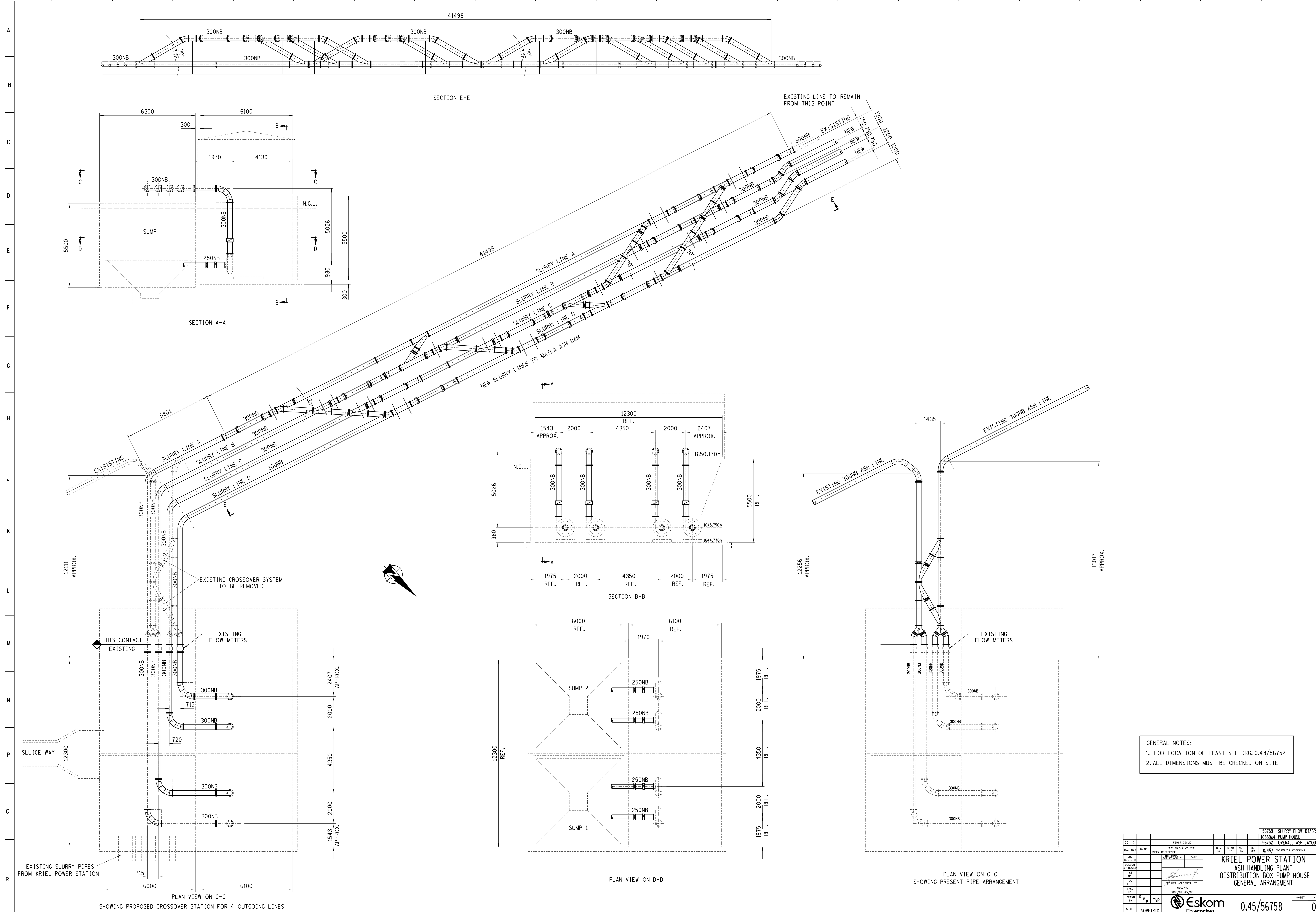
56760	AWR FLOW DIAGRAM		
56758	KRIEL SLURRY P.H.S.E.		
56757	ROAD COLLECTOR C.A.		
56756	AWR DISCHARGE AREA		
56755	MINE ROAD CROSSING		
56752	OVERALL ASH LAYOUT		

DRW	BY	DATE	SCALE	0.45/56759
CHKD	BY	DATE	SCALE	
APP	BY	DATE	SCALE	
DATE				
SCALE				

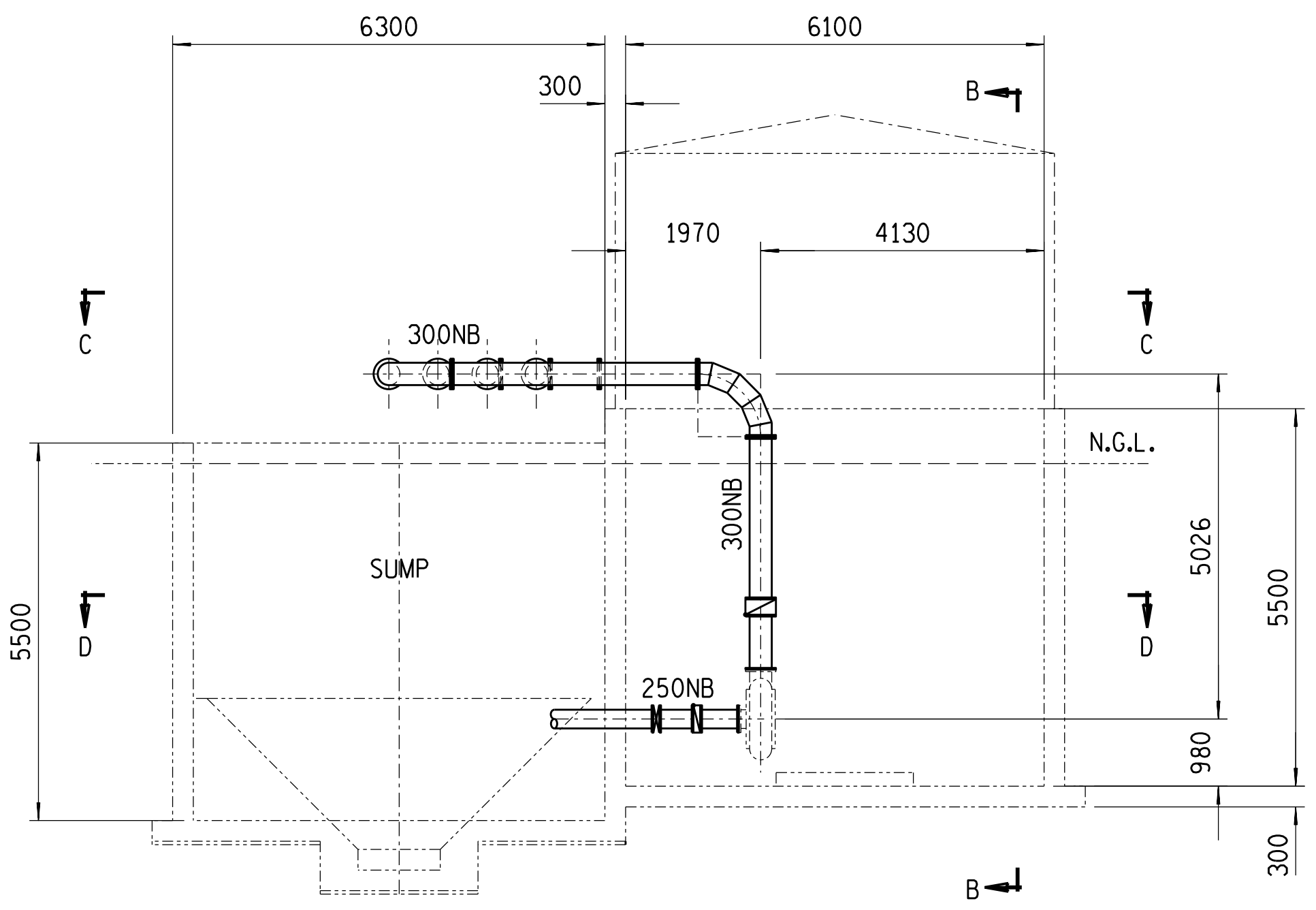
PROJECT	KRIEL / MATLA POWER STATIONS
DESCRIPTION	ASH PLANTS COMBINED SLURRY PIPEWORK
SCALE	COMBINED FLOW DIAGRAM
DATE	SHOWING MODIFICATIONS

DRW	BY	DATE	SCALE	0.45/56759
CHKD	BY	DATE	SCALE	
APP	BY	DATE	SCALE	
DATE				
SCALE				

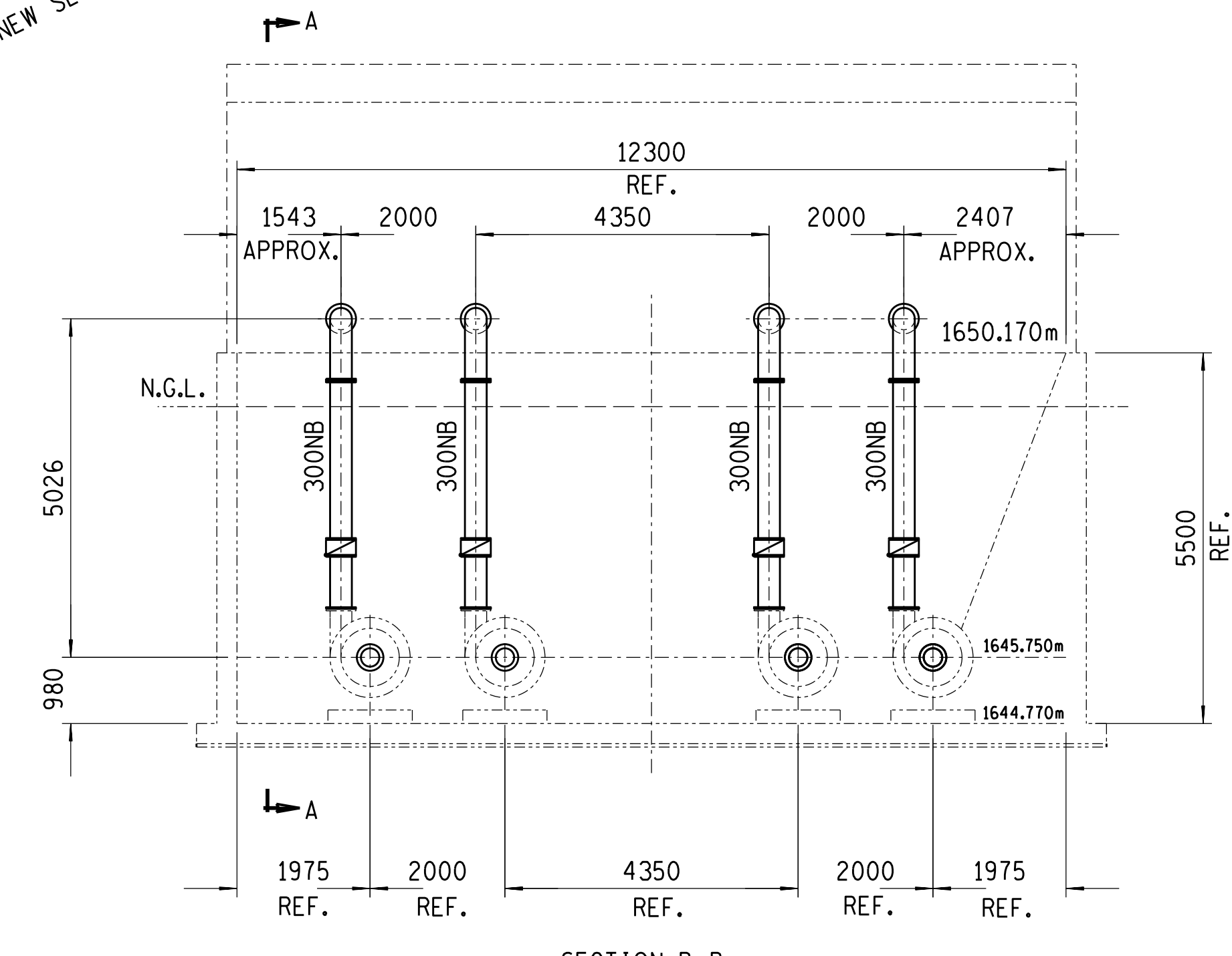
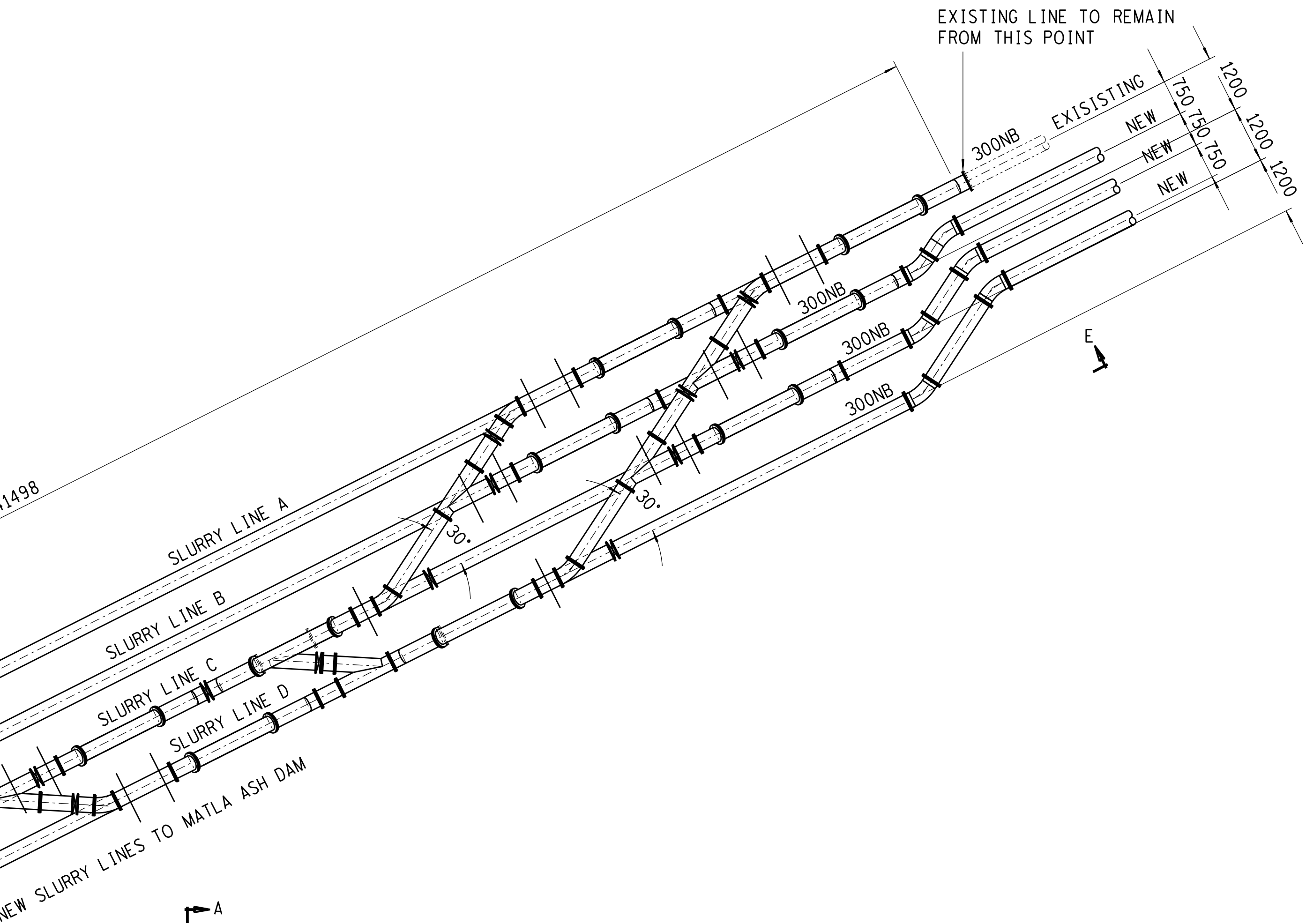




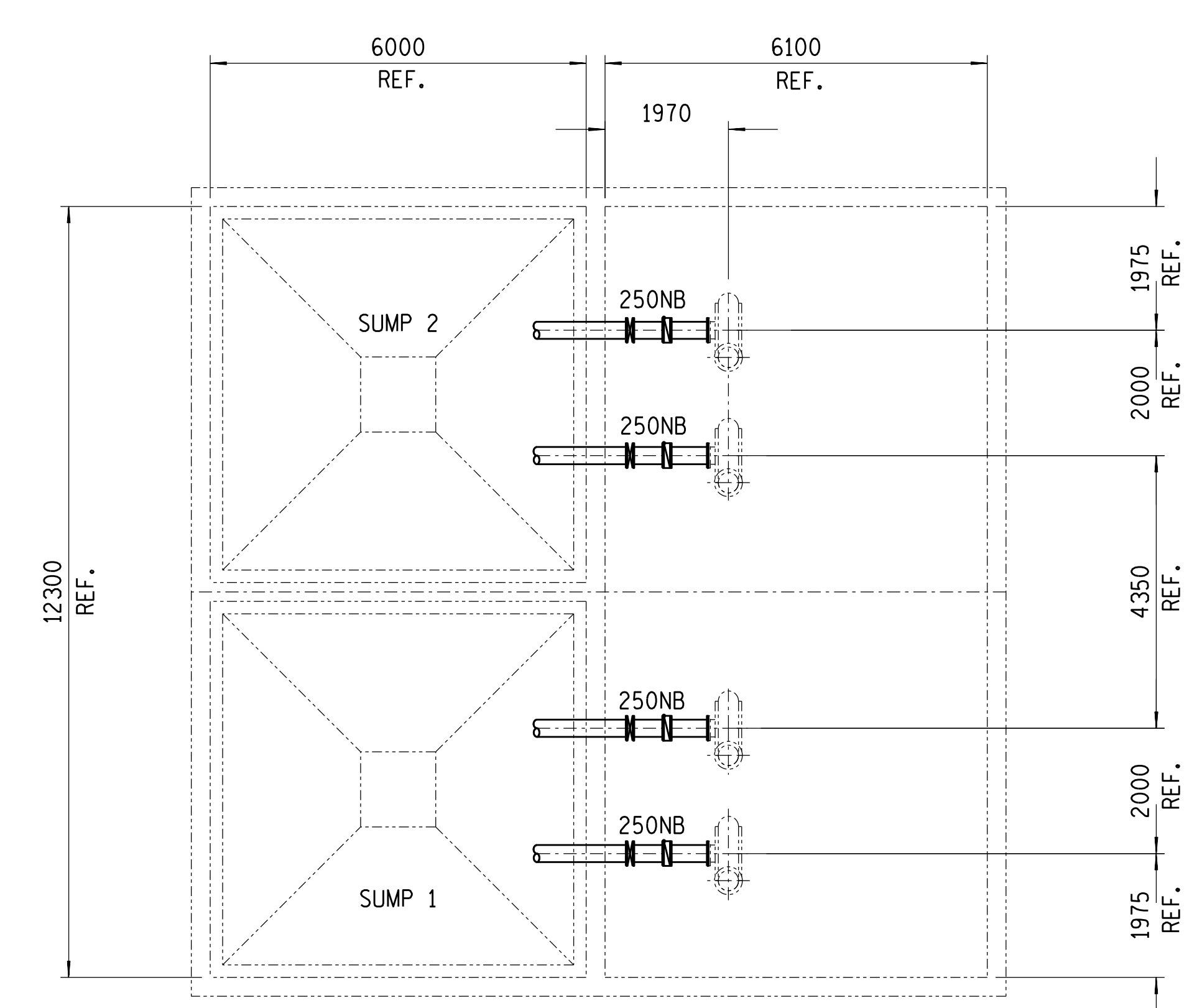
SECTION E-E



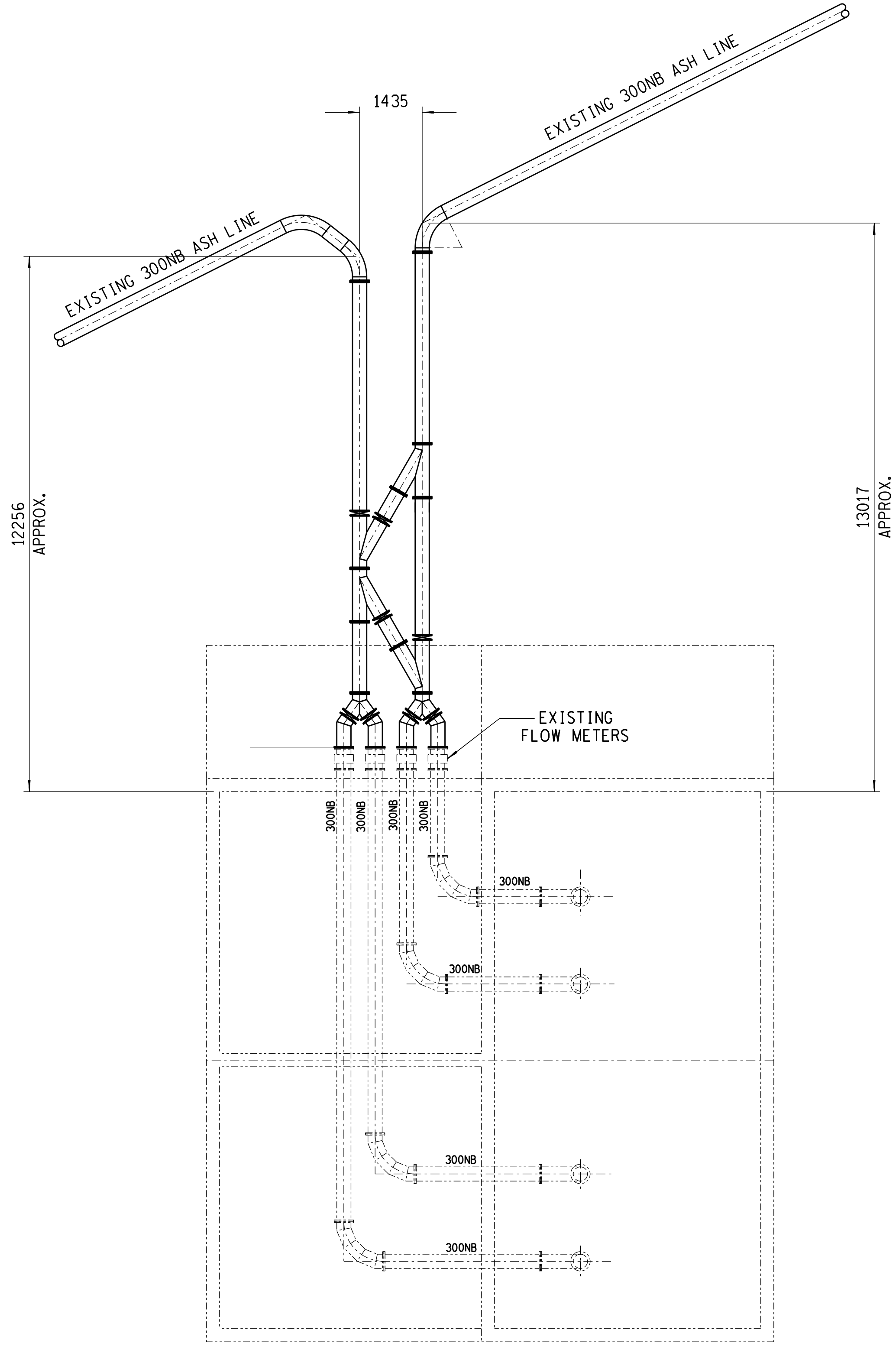
SECTION A-A



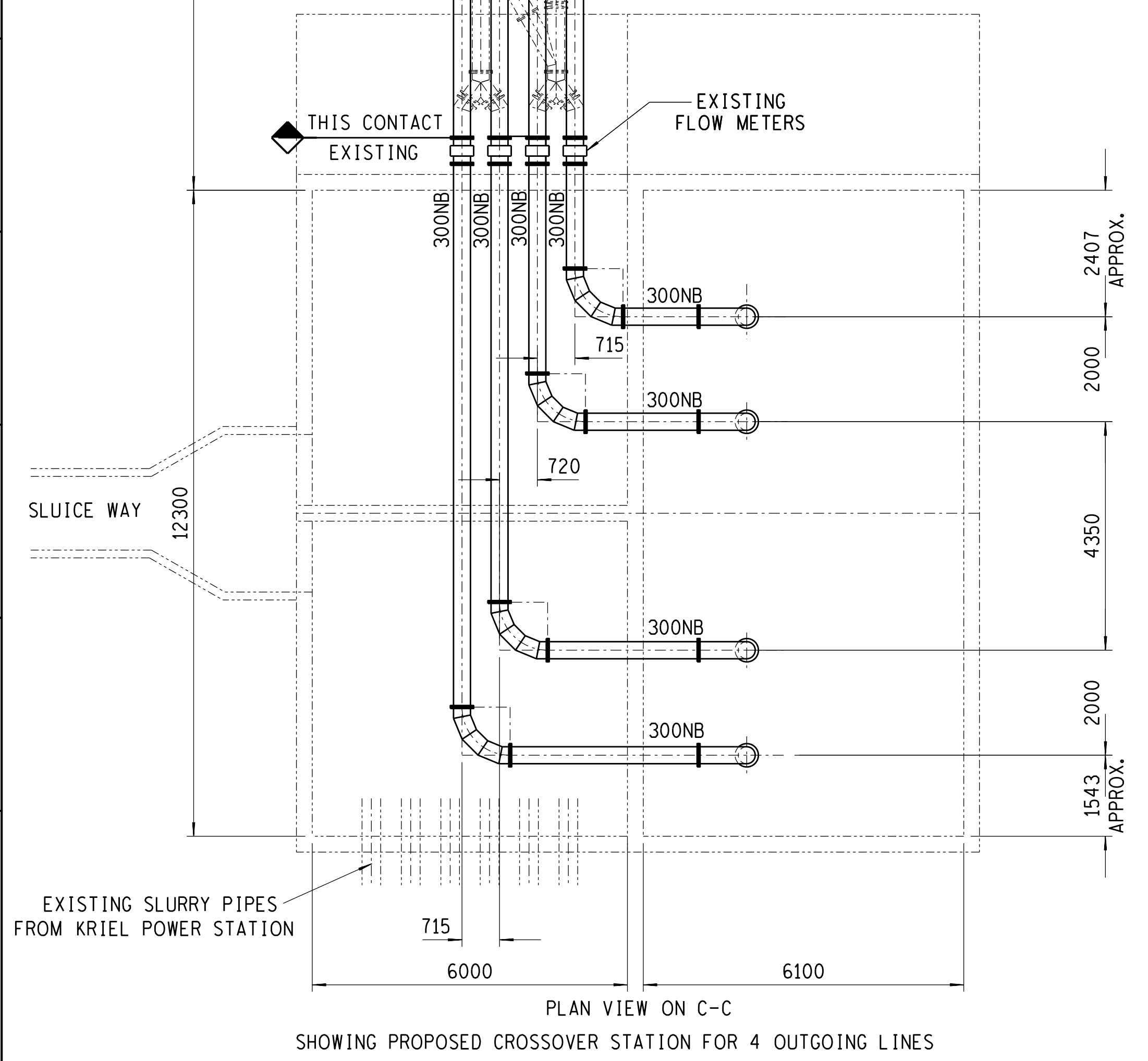
SECTION B-B



PLAN VIEW ON D-D



PLAN VIEW ON C-C
SHOWING PRESENT PIPE ARRANGEMENT



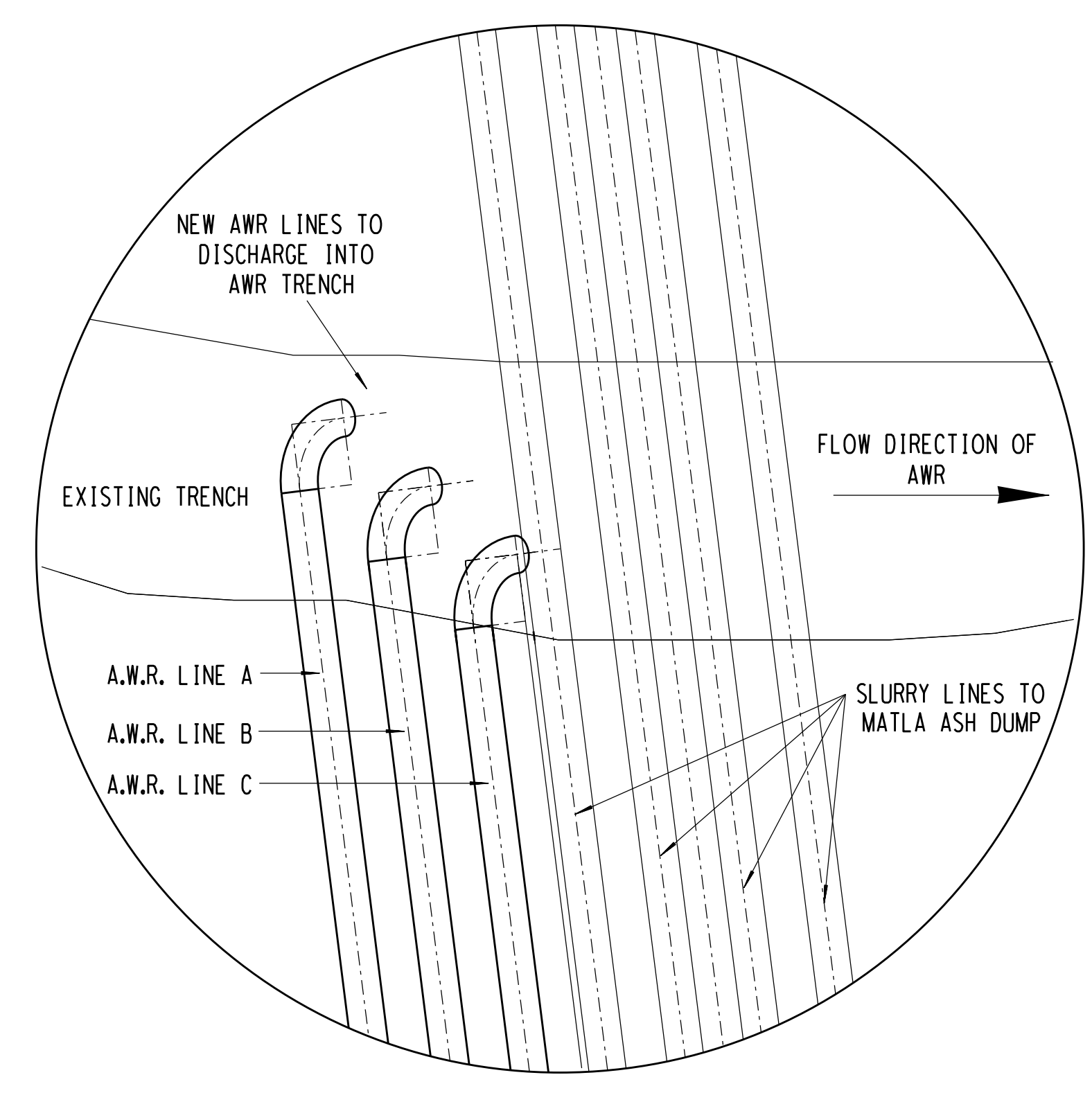
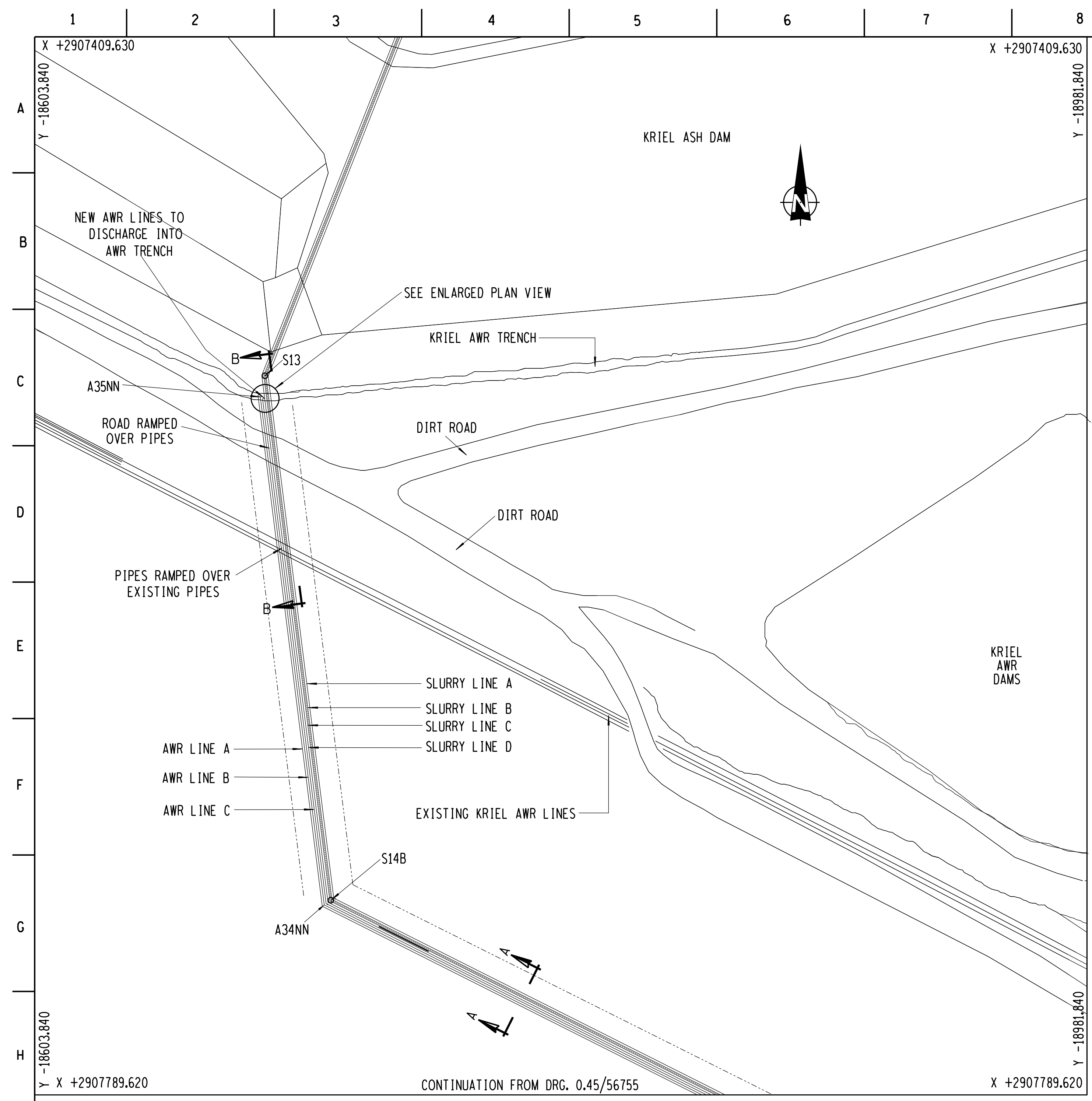
PLAN VIEW ON C-C
SHOWING PROPOSED CROSSOVER STATION FOR 4 OUTGOING LINES

GENERAL NOTES:
 1. FOR LOCATION OF PLANT SEE DRG. 0.48/56752
 2. ALL DIMENSIONS MUST BE CHECKED ON SITE

56759 SLURRY FLOW DIAGRAM		56758 PUMP HOUSE		56752 OVERALL ASH LAYOUT	
DATE	FIRST ISSUE	REV	BY	CHKD	APP
INDEX REFERENCE	** REVISION **	REV	BY	CHKD	APP
DRG	DATE	REV	BY	CHKD	APP
SECTION	DATE	REV	BY	CHKD	APP
APP					
KKS					
DC					
ADTS					
SPD					
BY					
SCALE	ISOMETRIC	BY	R N TVR	DATE	2002/01/27/06
SCALE	ISOMETRIC	SHEET	00	REV	

KRIEL POWER STATION
 ASH HANDLING PLANT
 DISTRIBUTION BOX PUMP HOUSE
 GENERAL ARRANGEMENT

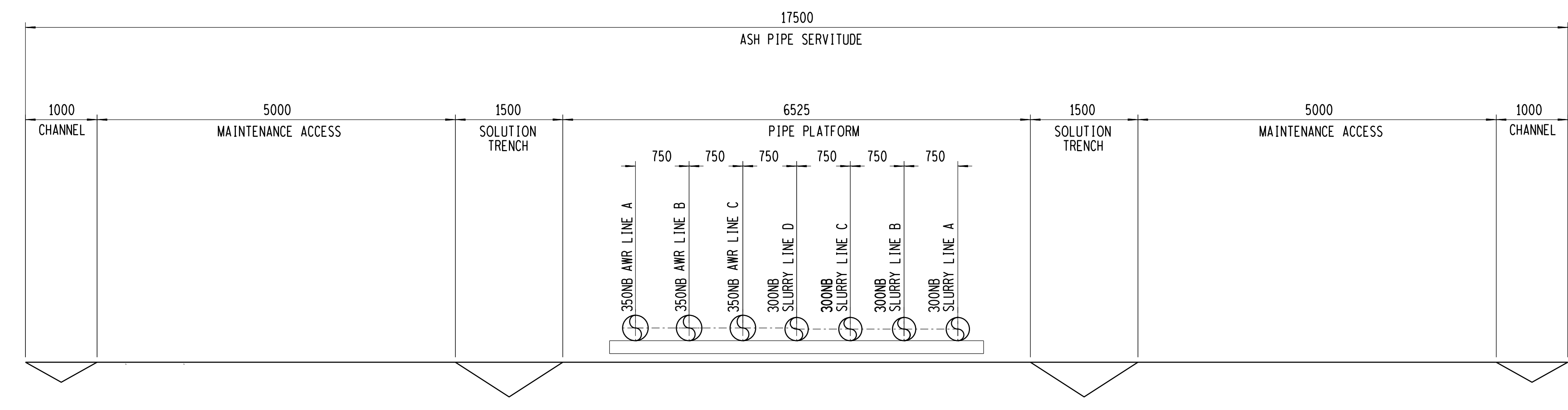
0.45/56758



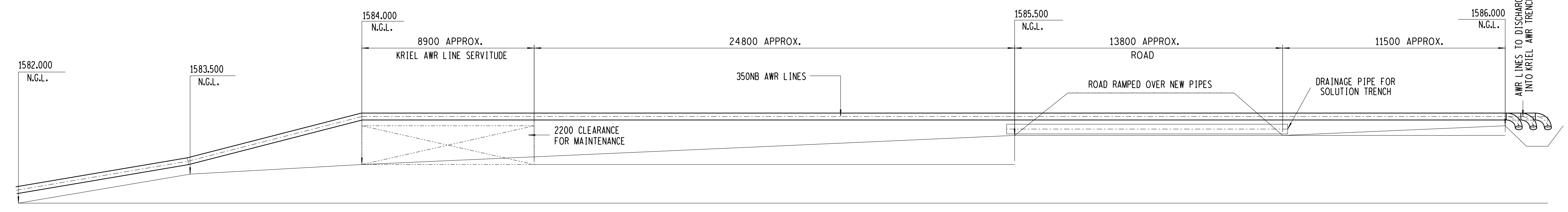
ENLARGED PLAN VIEW AT A.W.R. LINES DISCHARGE END

AWR LINES CO-ORDINATES			
	Y	X	Z
A34NN	-18708.704	+2907721.433	
A35NN	-18685.749	+2907539.003	

SLURRY LINES CO-ORDINATES			
	Y	X	Z
S13	-18687.419	+2907531.347	
S14B	-18711.117	+2907719.678	



SECTION A-A



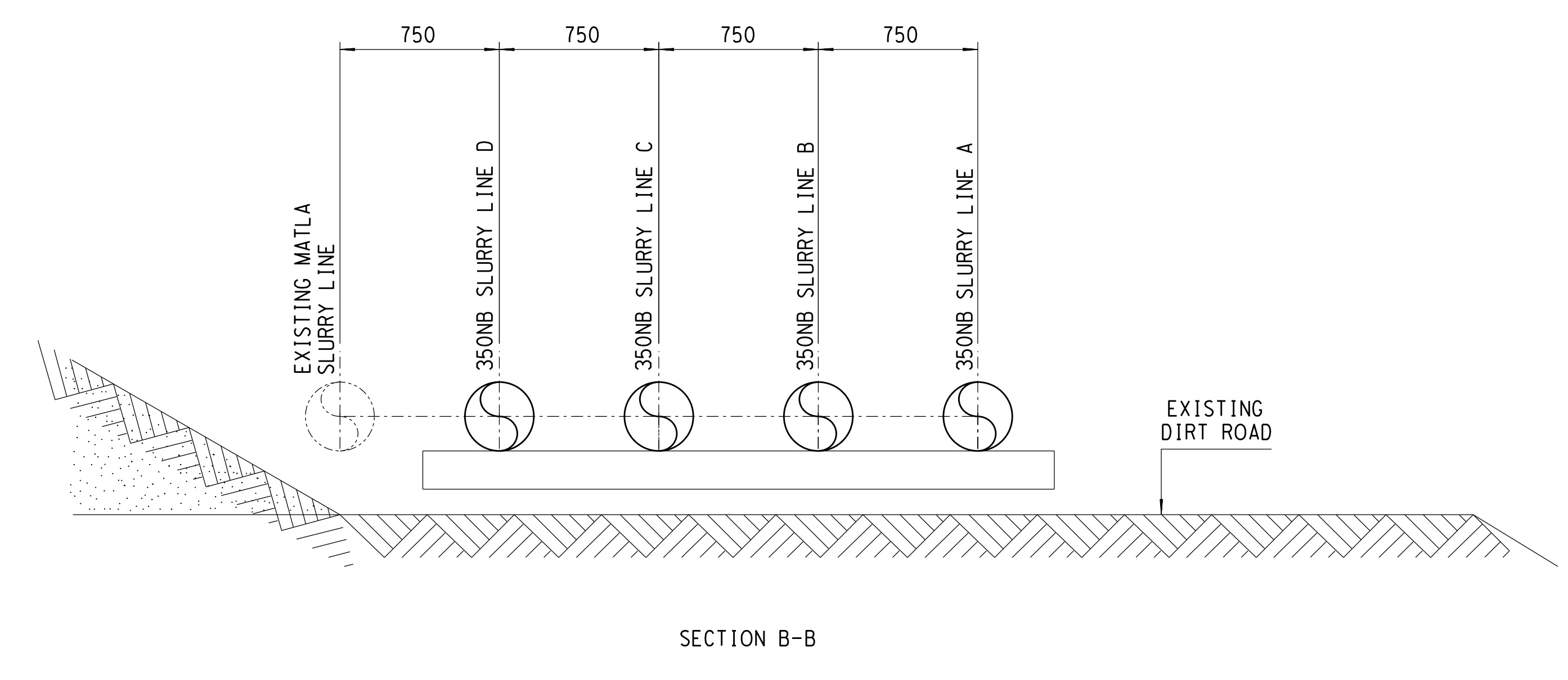
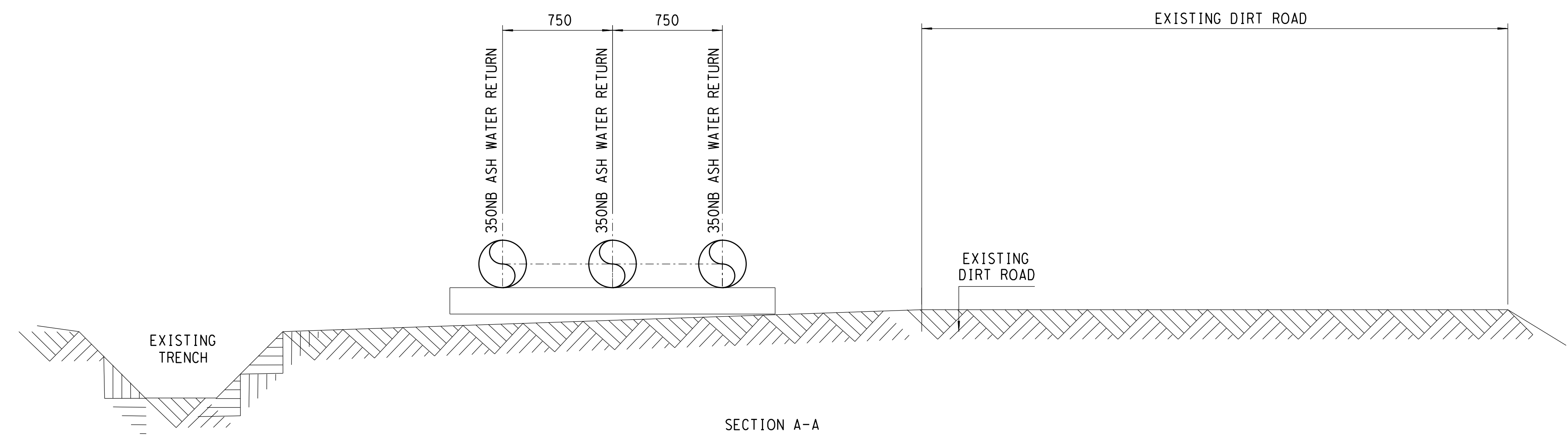
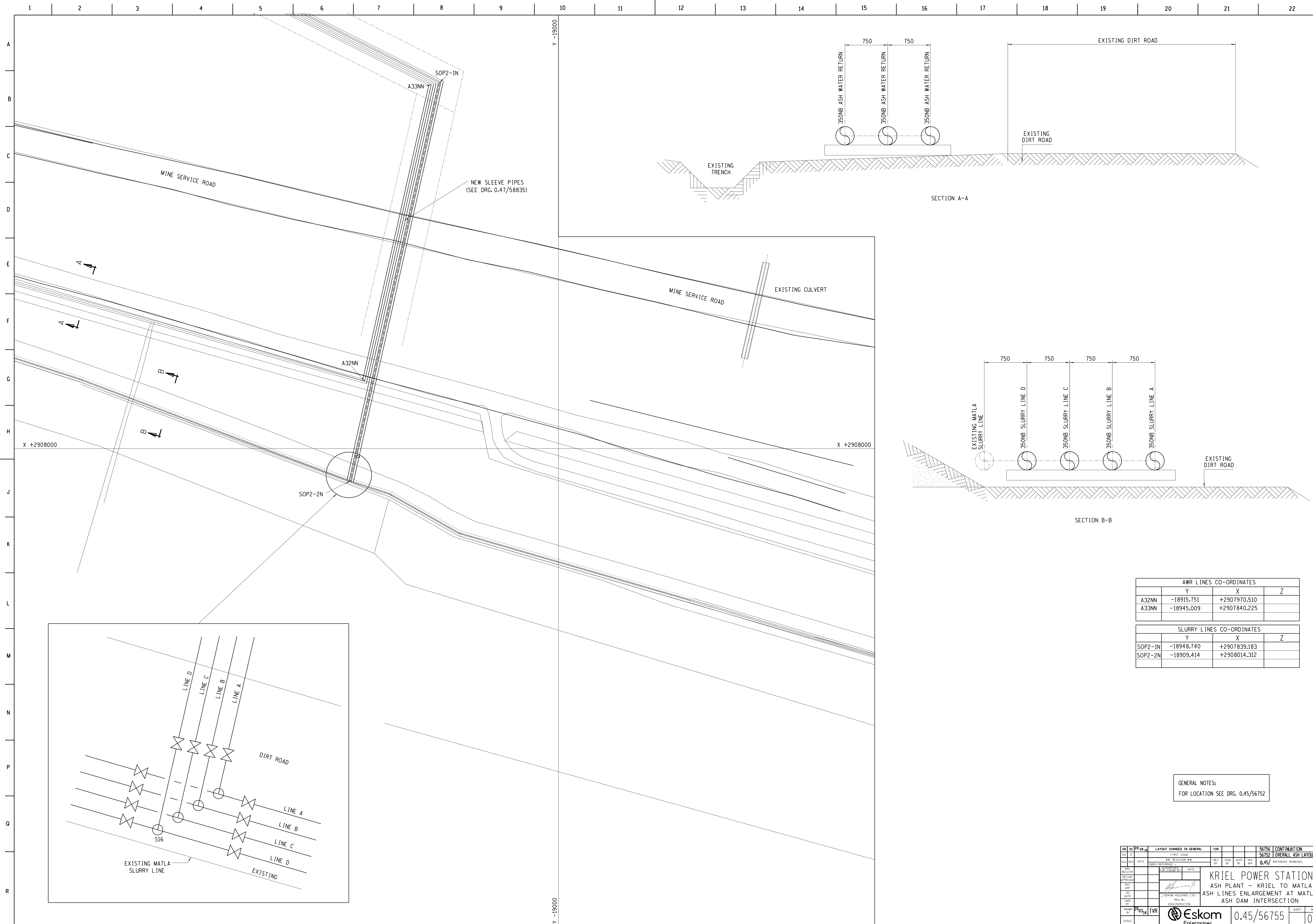
SECTION B-B
(SLURRY LINES NOT SHOWN)

GENERAL NOTES:
1. FOR LOCATION SEE DRG. 0.45/56752

NO	OR	LAYOUT CHANGED IN GENERAL	TWO	56755	CONTINUATION
NO	OR	FIRST ISSUE		56752	OVERALL LAYOUT
DATE	INDEX REFERENCE	** REVISION **	REV	CHKD	APP
			BY	BY	0.45/
DRG	NO	DATE			
SECTION					
APP					
CD					
BY					
SCALE	03/14 TVR				

Eskom Enterprises 0.45/56756 SHEET 00

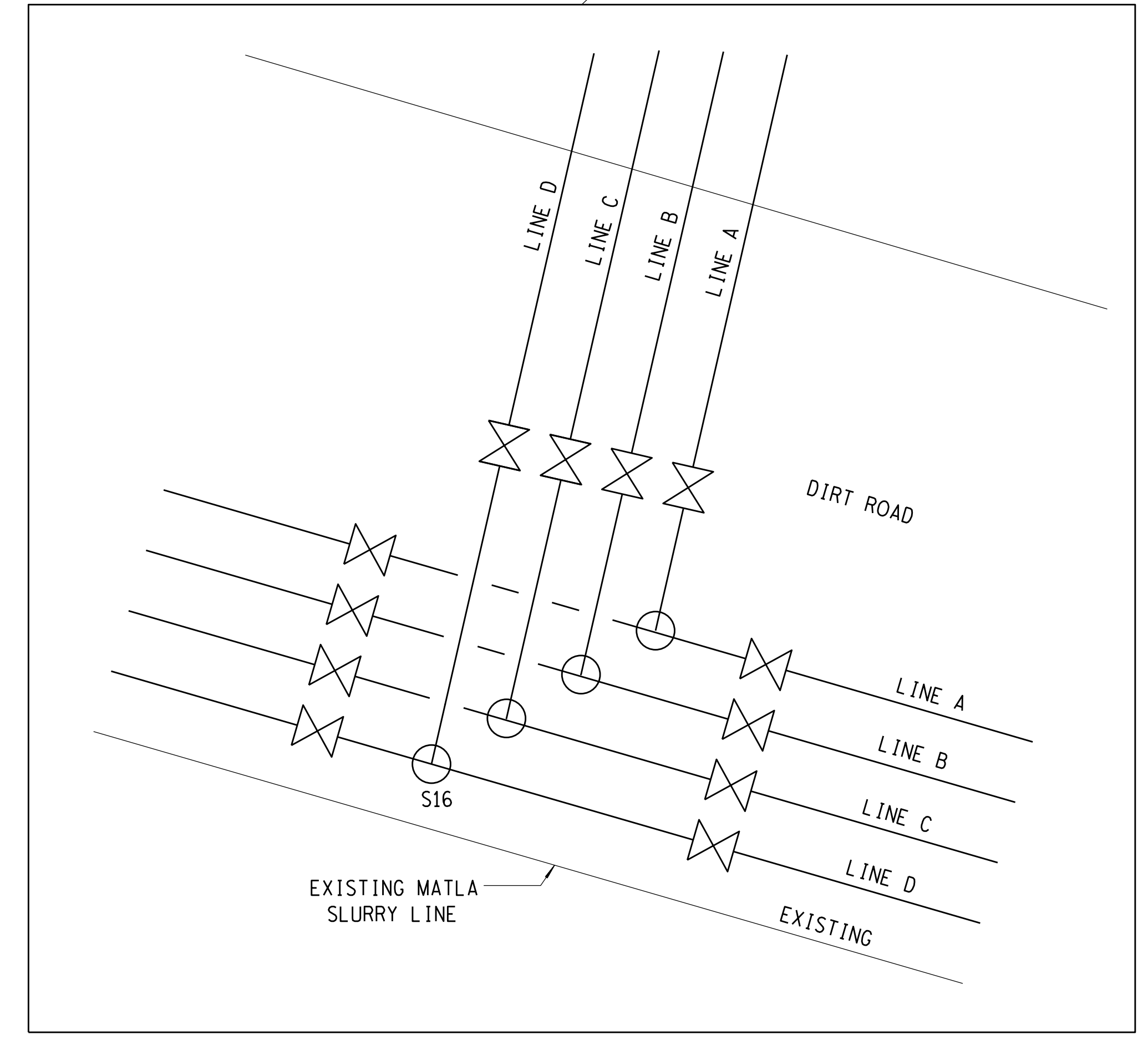
KRIEL POWER STATION
ASH PLANT - KRIEL TO MATLA
ASH LINES ENLARGEMENT OF AWR
DISCHARGE AREA



AWR LINES CO-ORDINATES			
	Y	X	Z
A32NN	-18915.751	+2907970.510	
A33NN	-18945.009	+2907840.225	

SLURRY LINES CO-ORDINATES			
	Y	X	Z
SOP2-1N	-18948.740	+2907839.183	
SOP2-2N	-18909.414	+2908014.312	

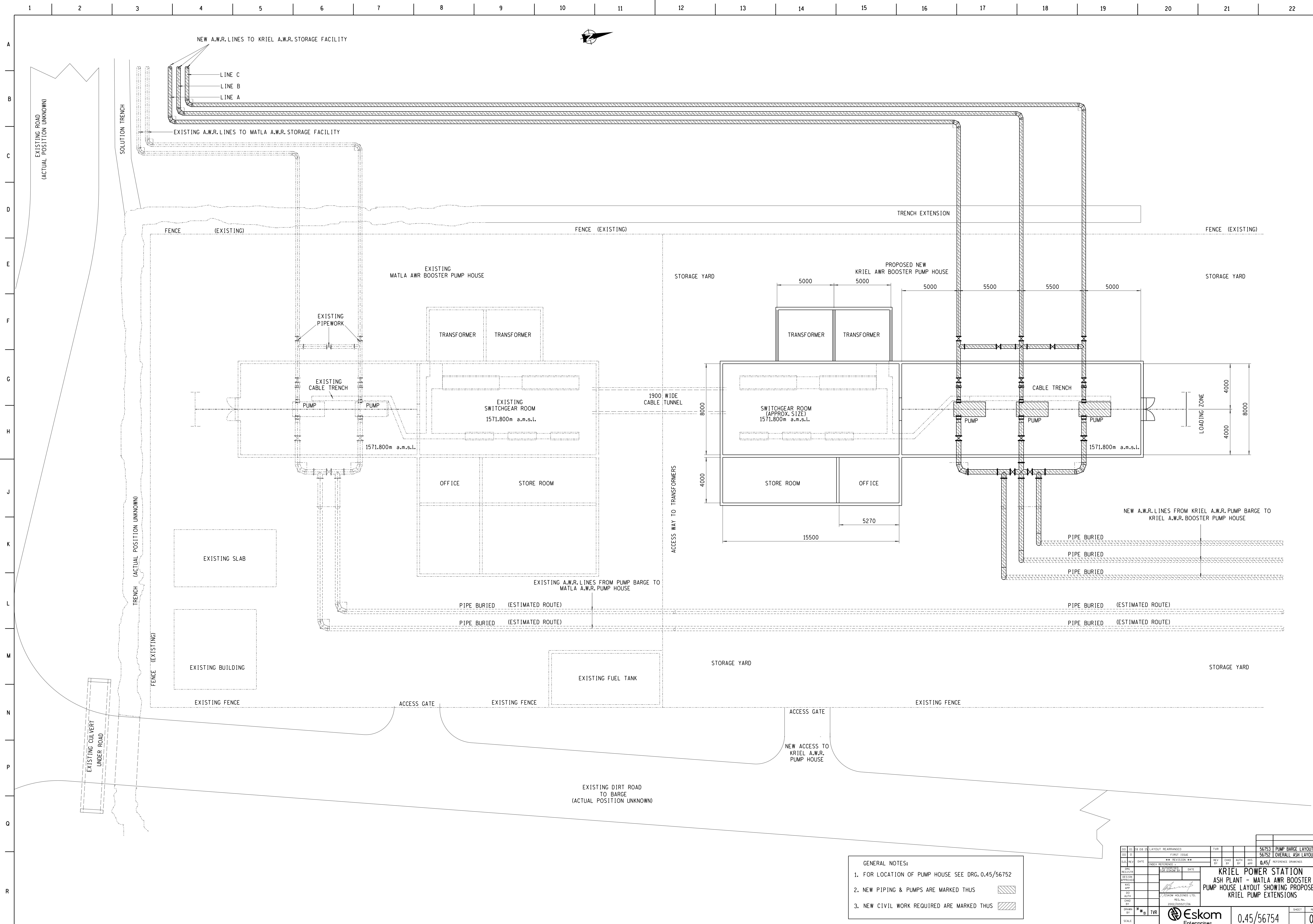
GENERAL NOTES:
FOR LOCATION SEE DRG. 0.45/56752



00	01	29	08	LAYOUT CHANGED IN GENERAL	TVR		56756	CONTINUATION
01	01			FIRST ISSUE			56752	OVERALL ASH LAYOUT
02	01			REVISION **	REV	CHG	BY	APP
03	01			INDEX REFERENCE	BY	BY	APP	0.45/
04	01			DATE	DATE			
05	01			DATE				
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17	01			DATE				
18	01			DATE				
19	01			DATE				
20	01			DATE				
21	01			DATE				
22	01			DATE				

KRIEL POWER STATION
ASH PLANT - KRIEL TO MATLA
ASH LINES ENLARGEMENT AT MATLA
ASH DAM INTERSECTION

ESKOM Enterprises 0.45/56755 SHEET 01



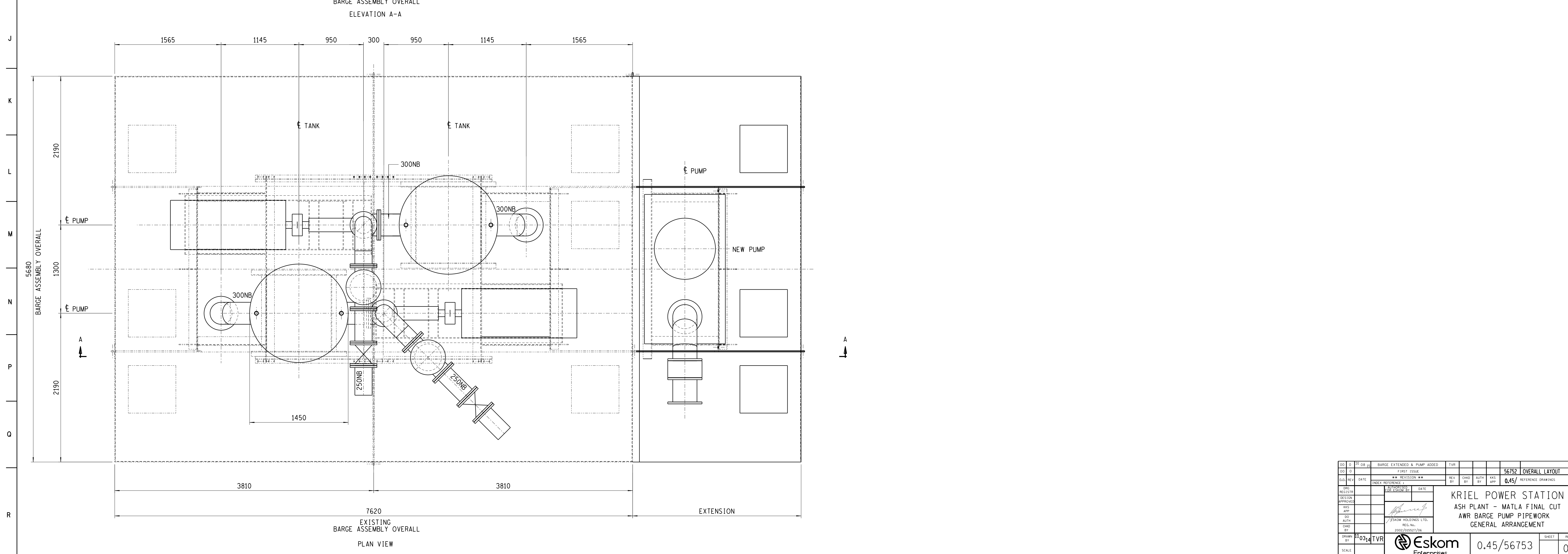
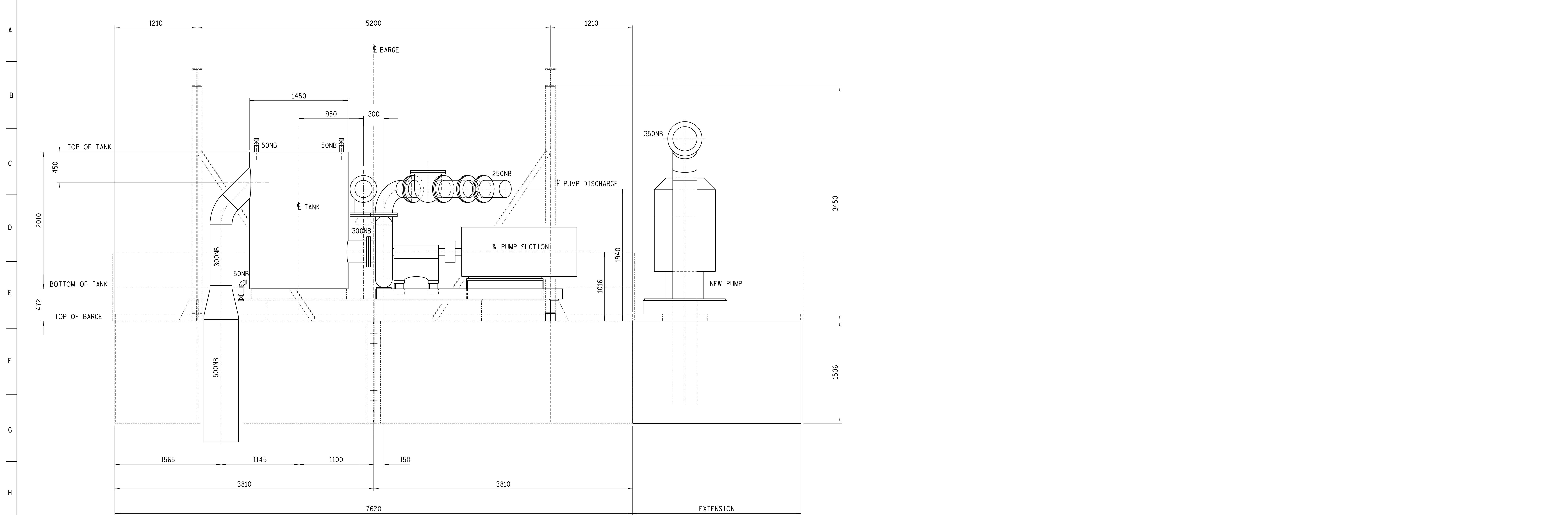
- GENERAL NOTES:**
- FOR LOCATION OF PUMP HOUSE SEE DRG. 0.45/56752
 - NEW PIPING & PUMPS ARE MARKED THUS
 - NEW CIVIL WORK REQUIRED ARE MARKED THUS

DO	01	28 08 15	LAYOUT REARRANGED	TWR		56753	PUMP BARGE LAYOUT
DD	01		FIRST ISSUE			56752	OVERALL ASH LAYOUT
REV	DATE	INDEX	REVISION	BY	CHKD	APP	REFERENCE DRAWINGS
0.45/							
DRG	NO	DATE	DATE				
DESIGN							
APP							
CHKD							
BY							
SCALE							

KRIEL POWER STATION
ASH PLANT - MATLA A.W.R. BOOSTER
PUMP HOUSE LAYOUT SHOWING PROPOSED
KRIEL PUMP EXTENSIONS

Eskom Enterprises
0.45/56754

SHEET 01



NO	0	03	08	BARGE EXTENDED & PUMP ADDED	TWR				56752	OVERALL LAYOUT
NO	1			FIRST ISSUE						
NO	2			** REVISION **	REV	CHG	AUTH	APP	0.45/	REFERENCE DRAWINGS
NO	3			INDEX REFERENCE	BY	BY	BY	APP		
NO	4			DATE						
NO	5			DATE						
NO	6			DATE						
NO	7			DATE						
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NO	18			DATE						
NO	19			DATE						
NO	20			DATE						
NO	21			DATE						
NO	22			DATE						

KRIEL POWER STATION
 ASH PLANT - MATLA FINAL CUT
 AWR BARGE PUMP PIPEWORK
 GENERAL ARRANGEMENT

ESKOM Enterprises

0.45/56753

01