

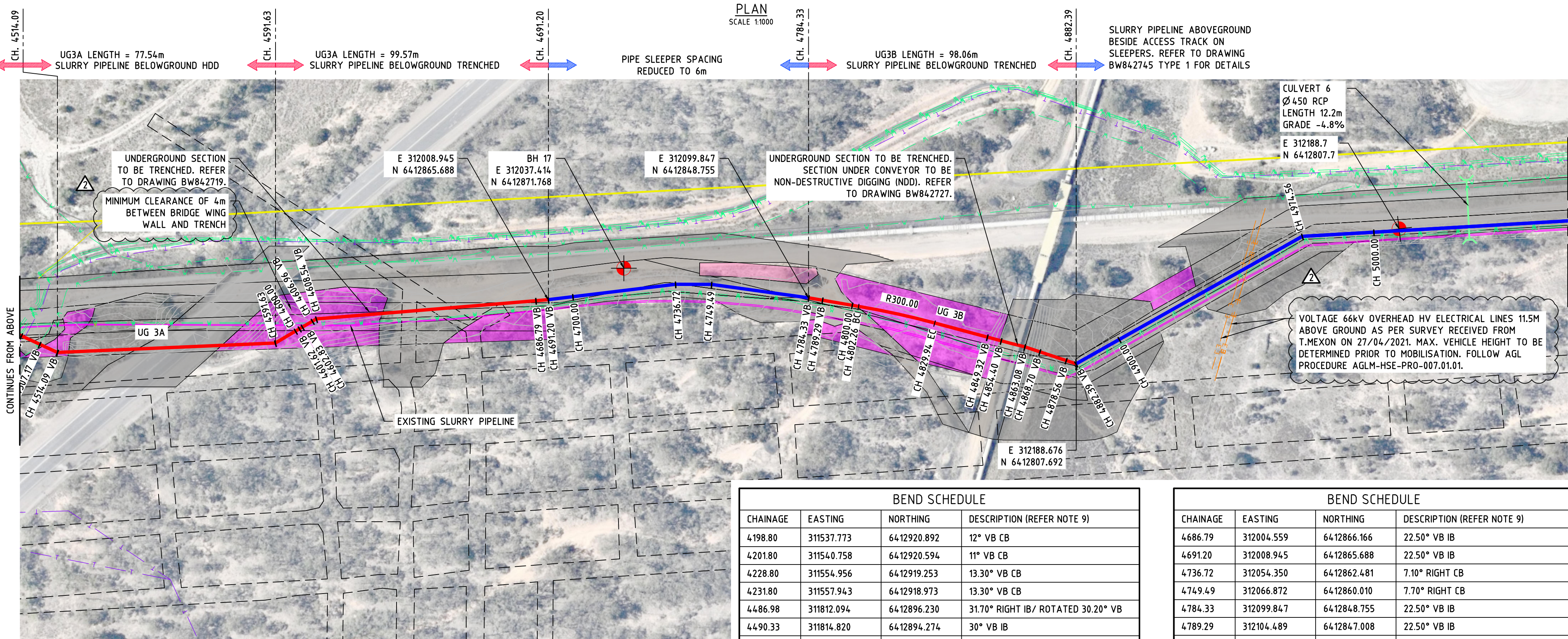
KEYPLAN  
NTS

LEGEND:

- NEW ABOVEGROUND SLURRY PIPELINE
- NEW UNDERGROUND SLURRY PIPELINE
- EXISTING SLURRY PIPELINE
- BH FOR UNDERGROUND PIPE
- BH FOR ABOVEGROUND PIPE
- CHAINAGE
- EXISTING WATER LINE
- EXISTING OVERHEAD POWER LINE
- EXISTING TELECOM
- EXISTING OIL LINE
- EXISTING STORMWATER CULVERT
- EXISTING CREEK
- AGL BOUNDARY (FINAL)
- AGL BOUNDARY (ESTIMATE)
- AHMS SITE
- FLOOD BOUNDARIES
- VEGETATION ZONE 0
- VEGETATION ZONE 1
- VEGETATION ZONE 2
- VEGETATION ZONE 3
- VEGETATION ZONE 4
- VEGETATION ZONE 5
- VEGETATION ZONE 7
- VEGETATION ZONE 9

NOTES:

- REFER TO BASIS OF DESIGN DOCUMENT AGLM-CPG-049-RPT-001
- REFER TO DESIGN REPORT AGLM-CPG-049-RPT-007
- UNDERGROUND SERVICE LOCATIONS SHALL BE IDENTIFIED PRIOR TO CONSTRUCTION.
- REFER TO DRAWING BW842713 FOR TYPICAL PIPE TRANSITION DETAILS BETWEEN ABOVEGROUND AND UNDERGROUND SECTIONS.
- ALL PIPELINE RL VALUES ARE TAKEN FROM THE INVERT LEVEL (IL) OF THE SOUTHERN MOST PIPELINE AND THE DATUM USED IS AHD.
- ALL SET OUT COORDINATES ARE TAKEN FROM THE CENTRE OF THE SOUTHERN MOST PIPELINE COORDINATES ARE BASED ON MGA94.
- THE NEW SLURRY PIPELINES ARE OFFSET 600mm NOMINALLY FROM THE EXISTING RETURN WATER PIPELINE UNLESS NOTED OTHERWISE.
- GENERALLY THE PIPELINE SHALL BE LAID ON CONCRETE SLEEPERS SHOWN ON DRAWING BW842745 TYPE 1 FOLLOWING EXISTING SURFACE LEVELS ALONG THE PIPELINE CORRIDOR AS SHOWN ON THE ALIGNMENT AND DETAILED DRAWINGS.
- THE HORIZONTAL BEND DIRECTION SHOWN IN THE BENDING SCHEDULE (i.e. LEFT OR RIGHT) IS BASED ON THE DIRECTION OF FLOW. VB DENOTES VERTICAL BEND AND IB DENOTES FACTORY MANUFACTURED INDUCTION BEND (1.4m MIN. RADIUS). ALL OTHER BENDS ARE EITHER FIELD COLD BENDS (CB) (8.8m MIN. RADIUS) OR FIELD ROPED BENDS (300m MIN. RADIUS). BC DENOTES BEGINNING OF CURVE AND EC DENOTES END OF CURVE.
- ACCESS TRACKS TO BE WIDENED TO MAINTAIN EXISTING TRACK WIDTH WHERE REQUIRED. REFER TO DRAWING BW842743 FOR MODIFICATION DETAILS.
- THE GRADE AND COMPACT ENTIRE PIPE ROUTE AT 1% CROSSFALL. MIN. BEARING PRESSURE 75 kPa. THE CONTRACTOR SHALL VERIFY THAT SURFACE IRREGULARITIES IN THE PIPELINE CORRIDOR OVER ANY 10m LENGTH DO NOT EXCEED +/- 50mm.
- STANDARD SPACING OF CONCRETE SLEEPERS AND RAISED PIPE SUPPORTS IS 11m MAXIMUM. SPACING IS TO BE REDUCED ACCORDINGLY IN AREAS WITH POOR BEARING CAPACITY AND OVER OLD MINE WORKINGS AS INDICATED ON THE PIPE ALIGNMENT DRAWINGS.
- THE ALIGNMENT FOR EXISTING UNDERGROUND SLURRY PIPELINES A & B AND RETURN WATER PIPELINE A IS BASED ON THE ORIGINAL DESIGN DRAWINGS. RETURN WATER PIPELINE B WAS CONSTRUCTED AFTER THE OTHER THREE PIPELINES WERE CONSTRUCTED AND NO INFORMATION HAS BEEN PROVIDED FOR ITS UNDERGROUND SECTIONS.
- REFER TO DRAWING BW842744 FOR PIPELINE EARTHING DETAILS.



BEND SCHEDULE			
CHAINAGE	EASTING	NORTHING	DESCRIPTION (REFER NOTE 9)
4198.80	311537.773	6412920.892	12° VB CB
4201.80	311540.758	6412920.594	11° VB CB
4228.80	311554.956	6412919.253	13.30° VB CB
4231.80	311557.943	6412918.973	13.30° VB CB
4486.98	311812.094	6412896.230	31.70° RIGHT IB/ ROTATED 30.20° VB
4490.33	311814.820	6412894.274	30° VB IB
4494.28	311818.026	6412891.975	19° VB IB
4497.41	311820.569	6412890.151	22.50° VB IB
4507.17	311828.502	6412884.460	3° VB CB
4514.09	311834.126	6412880.426	27.20° LEFT CB/ ROTATED 190° VB
4591.64	311910.822	6412868.989	28° LEFT CB
4601.62	311920.234	6412872.324	22.50° VB IB
4602.83	311921.379	6412872.730	22.50° VB IB
4606.96	311925.267	6412874.108	22.50° VB IB
4608.54	311926.764	6412874.601	25.70° RIGHT IB/ ROTATED 20.50° VB

BEND SCHEDULE			
CHAINAGE	EASTING	NORTHING	DESCRIPTION (REFER NOTE 9)
4686.79	312004.559	6412866.166	22.50° VB IB
4691.20	312008.945	6412865.688	22.50° VB IB
4736.72	312054.350	6412862.481	7.10° RIGHT CB
4749.49	312066.872	6412860.010	7.70° RIGHT CB
4784.33	312099.847	6412848.755	22.50° VB IB
4789.29	312104.489	6412847.008	22.50° VB IB
4849.32	312159.478	6412823.042	19.50° VB CB
4854.40	312164.053	6412820.819	16.90° VB CB
4863.08	312171.894	6412817.095	29° VB IB
4868.70	312176.794	6412814.349	24.90° VB IB
4878.56	312185.393	6412809.531	18.90° VB IB
4882.39	312188.740	6412807.713	47.70° LEFT CB/ ROTATED 22.30° VB
4974.56	312276.176	6412836.894	26° RIGHT IB



COORDINATES MGA94

21 Jun 2022  
CONDITIONS OF DA - ATTACHED  
MELANIE FITYUS  
FOR SUBSIDENCE ADVISORY NSW



REFERENCE DRAWINGS			DRAWN	JL	24.03.21
BW842700	BW842708	BW842745	DESIGN	MW	24.03.21
BW842701	BW842709		DO	DB	12.01.22
BW842702	BW842710		ENG	RR	12.01.22
BW842703	BW842713		PASSED	BC	14.01.22
BW842704	BW842715				
BW842706	BW842719				
BW842707	BW842727				
CONTRACT No.			CW2236665		

KKS CODING		ETK	AGL MACQUARIE	
ORIGINAL DRAWING APPROVED BY			BAYSWATER POWER STATION FLY ASH PLANT UPGRADE ASH TRANSFER PIPELINE ALIGNMENT SHEET 5 OF 10	
PROJECT DIRECTOR		14.01.22	FOR CONSTRUCTION	
B. COLLEY			DRAWING STATUS	
SCALE		1:1000	A1	
PREFIX			BW842705	
NUMBER			2	
SHEET			AMDT	









CHAINAGE (m)
7913 TO 7921
7950
7983
8088 TO 8118
8187
8235
8379 TO 8400
8742 TO 8754
9400 TO 9430

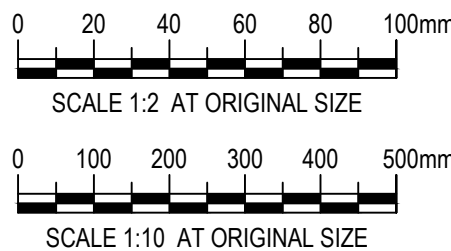
ULTIMATE VERTICAL LOAD PER PIPE	MIN. ALLOWABLE BEARING CAPACITY OF FOUNDATION MATERIAL	MAXIMUM SLEEPER SPACING
9kN	50kPa	8m
13kN	75kPa	11m


1. THE WORKING LOADS PROVIDED FOR EACH PIPE TYPE ARE CALCULATED ASSUMING THE DIMENSION "XX" IS THE MAXIMUM HEIGHT BETWEEN GROUND LEVEL AND THE CENTRE OF SLURRY PIPELINE.
2. ALL STRUCTURAL STEEL AND STEEL EMBEDMENTS ON THE PIPE SUPPORT SHALL BE GALVANISED TO HUG600.
3. FOR STRUCTURAL NOTES, REFER TO DRAWINGS BW842733, BW842734, AND BW842735.
4. PILE ID C SHALL ONLY BE USED BETWEEN CH6299.00 TO CH6395.80.
5. REFER TO DRAWING BW842719 FOR DETAILS.
6. PILE ID D SHALL ONLY BE USED ON THE NOMINATED EXPANSION LOOPS.
7. APPLY PROTECTIVE COATING SYSTEM TO SITE WELDED JOINT, SURFACE COATINGS AND PREPARATION TO BE IN ACCORDANCE WITH AGL MACQUARIE CONSTRUCTION SPECIFICATION SECTION 7.

PILE ID	DESCRIPTION	SUPPORT DIMENSIONAL DATA			PILE LOADS		
		X, mm	Y, mm	Z, mm	AXIAL LOAD, kN	SHEAR LOAD, kN	BENDING MOMENT, kNm
A	PIPELINE SUPPORT	1000	1100	450	37	17.6	27.4
C	FLOOD ZONE CH6299.00 TO CH6395.80	1780 (MAX)	1100	450	25	9.2	22
D	EXPANSION LOOPS 2, 3, 4, 5, 6, 7 & 9	1000	1100	450	17.5	5.8	10.6

UNLESS NOTED OTHERWISE ALL UNITS ARE IN MM

1	REV	DWN	AL
		CKD	RC
	DATE 02.03.22		



REFERENCE DRAWINGS		DRAWN	SL	DATE
BW#42700	<div style="writing-mode: vertical-rl; transform: rotate(180deg);">             CHECKED              DO              ENG              PASSED           </div>	DESIGN	TM	02.03.22
BW#42719		DO	DB	02.03.22
BW#42730		ENG	DS	02.03.22
BW#42733		PASSED	SC	02.03.22
BW#42734				
BW#42735				
CONTRACT No.	CW2236665	 DO NOT AMEND MANUALLY		

KKS CODING		ETY	
ORIGINAL DRAWING APPROVED BY			
R. COLLEY			
03.02.22			
PROJECT DIRECTOR			
FOR CONSTRUCTION			
DRAWING STATUS			
SCALE		AS SHOWN	

AGL MACQUARIE

BAYSWATER POWER STATION  
FLY ASH PLANT UPGRADE  
ASH PLANT - CONTROL  
SLURRY PIPE SUPPORT TYPES 1 & 2  
DETAILS

A1	BW842745			1
	PREFIX	NUMBER	SHEET	AMDT