NOTES:

1. DO NOT SCALE FROM THIS DRAWING, USE FIGURED DIMENSIONS ONLY. IF IN DOUBT - ASK.

2. DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.

3. LEVELS ARE IN METRES RELATIVE TO ORDNANCE DATUM, UNLESS NOTED OTHERWISE.

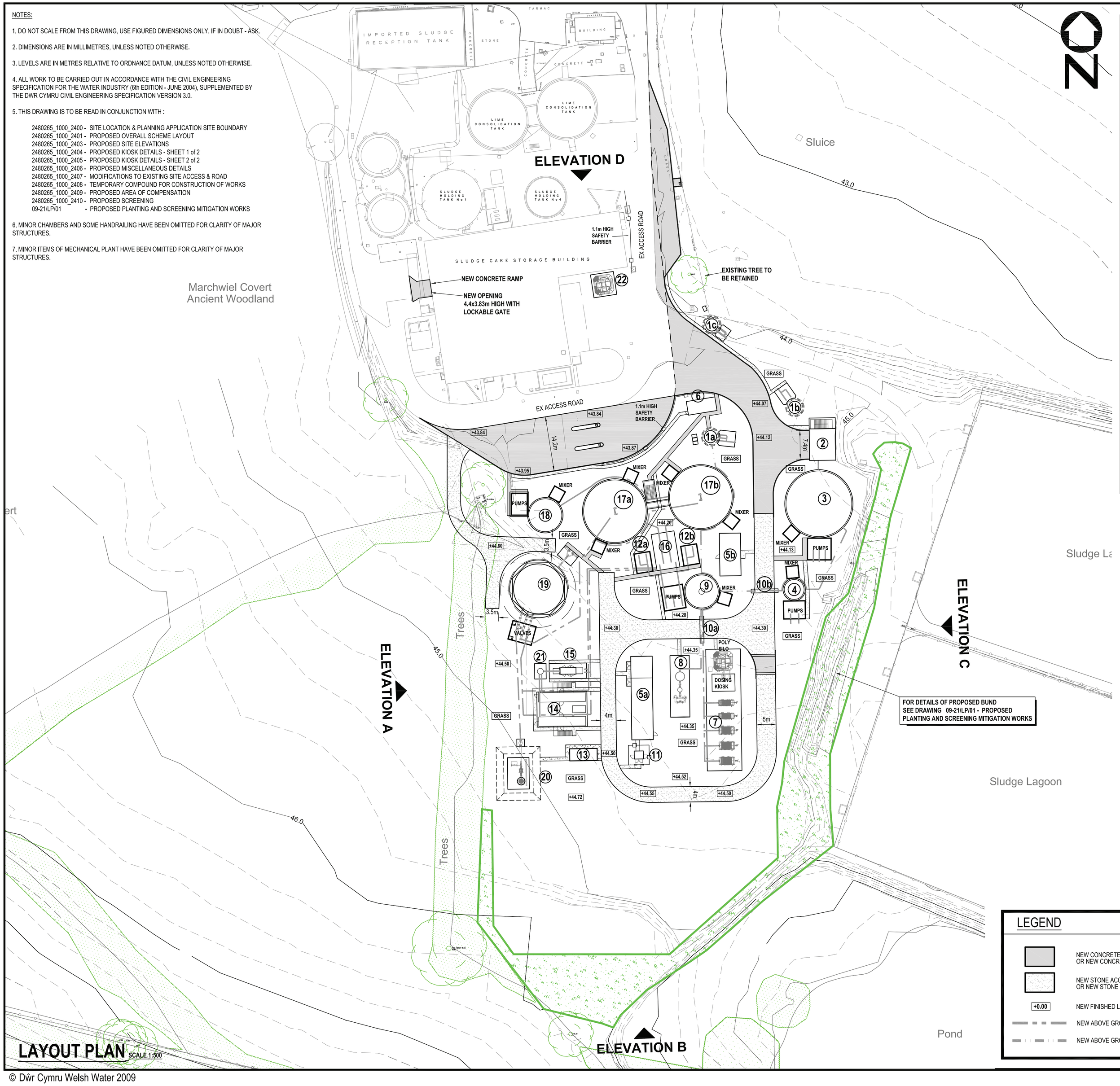
4. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY (6th EDITION - JUNE 2004), SUPPLEMENTED BY THE DWR CYMRU CIVIL ENGINEERING SPECIFICATION VERSION 3.0.

5. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH :

2480265_1000_2400 - SITE LOCATION & PLANNING APPLICATION SITE BOUNDARY
2480265_1000_2401 - PROPOSED OVERALL SCHEME LAYOUT
2480265_1000_2403 - PROPOSED SITE ELEVATIONS
2480265_1000_2404 - PROPOSED KIOSK DETAILS - SHEET 1 of 2
2480265_1000_2405 - PROPOSED KIOSK DETAILS - SHEET 2 of 2
2480265_1000_2406 - PROPOSED MISCELLANEOUS DETAILS
2480265_1000_2407 - MODIFICATIONS TO EXISTING SITE ACCESS & ROAD
2480265_1000_2408 - TEMPORARY COMPOUND FOR CONSTRUCTION OF WORKS
2480265_1000_2409 - PROPOSED AREA OF COMPENSATION
2480265_1000_2410 - PROPOSED SCREENING
09-21/LP/01 - PROPOSED PLANTING AND SCREENING MITIGATION WORKS

6. MINOR CHAMBERS AND SOME HANDRAILING HAVE BEEN OMITTED FOR CLARITY OF MAJOR STRUCTURES.

7. MINOR ITEMS OF MECHANICAL PLANT HAVE BEEN OMITTED FOR CLARITY OF MAJOR STRUCTURES.



STRUCTURES KEY

KEY	BUILDING / PLANT	SIZE (m)	HEIGHT OF STRUCTURE (m)	APPEARANCE	COLOUR
1a	BURIED RAW SLUDGE RECEPTION PUMPING STATION	4.0 INT Ø	0.15	CONCRETE	CONCRETE
1b	BURIED RETURN LIQUORS PUMPING STATION	4.0 INT Ø	0.15	CONCRETE	CONCRETE
1c	BURIED IMPORTED THICKENED SLUDGE PUMPING STATION	4.0 INT Ø	0.15	CONCRETE	CONCRETE
2	STRAINPRESS PLATFORM	10.8 L x 7 W SLAB BUNDED	6.0 to Platform 7.1 to top of handrailing	STEEL	STEEL
3	SCREENED SLUDGE STORAGE TANK, THICKENER FEED PUMPS & MIXER	TANK 17.08 Ø ; 17.55 Ø SLAB	10.535 to top of tank wall 12.825 to top of roof	STEEL TANK	DARK GREEN TO BS4800 10- B-25
4	SAS BUFFER TANK, THICKENER FEED PUMPS & MIXER	TANK 5.12 Ø ; 5.8 Ø SLAB	6.335 to top of tank wall 7.025 to top of roof	STEEL TANK	DARK GREEN TO BS4800 10- B-25
5a	HV & LV DISTRIBUTION KIOSK (MCC104&MCC106) & HOT WATER SYSTEM	21.7 L x 5.5 W SLAB	2.8	GRP KIOSK	DARK GREEN TO BS4800 10- B-25
5b	DIGESTOR KIOSK (MCC105 & MCC107)	11.1 L x 5.5 W SLAB	2.8	GRP KIOSK	DARK GREEN TO BS4800 10- B-25
6	WELFARE KIOSK	7.5 L x 3.6 W SLAB	2.8	GRP KIOSK	DARK GREEN TO BS4800 10- B-25
7	THICKENERS / POLY KIOSK / POLY SILO	31.6 L x 9 W SLAB	8.00 to top silo, 9.10 to handrailing, 9.60 to top silo filter. 2.80 to top klosk	STEEL,GRP KIOSK	STEEL & DARK GREEN TO BS4800 10- B-25
8	ODOUR CONTROL	16 L x 5 W SLAB; 0.50 Ø	6.0 to top of vent stack 6.0 to top of vent stack	GRP	DARK GREEN TO BS4800 10- B-25
9	THICKENED SLUDGE BUFFER TANK, DIGESTER FEED PUMPS & MIXER	TANK 8.54 Ø ; 9.2 Ø SLAB	10.535 to top of tank wall 11.680 to top of roof	STEEL TANK	DARK GREEN TO BS4800 10- B-25
10a,10b	PIPE BRIDGES	2 No 9 L x 2 W	5.50	STEEL	STEEL
11	TRANSFORMER / RING MAIN UNIT	4.3 L x 4.3 W SLAB	2.8	GRP KIOSK	DARK GREEN TO BS4800 10- B-25
12a,12b	RECIRCULATION PUMPS	2 No 5.3 L x 4.3 W BUNDED SLABS	1.0	PIPEWORK	STEEL
13	FUEL TANK	7.2 L x 3.2 W SLAB	2.50	STEEL TANK	DARK GREEN TO BS4800 10- B-25
14	2 No CHP IN CONTAINERS & HOT WATER BOILER	13 L x 9.2 W SLAB	2.90 to top of container 4.0 to top of handrailing	STEEL	DARK GREEN TO BS4800 10- B-25
15	GENERATOR SET (ENCLOSURE)	9.7 L x 4 W SLAB	3.50	GRP	DARK GREEN TO BS4800 10- B-25
16	HEAT EXCHANGERS	9.5 L x 6 W SLAB	2.0	PIPEWORK	STEEL
17a,17b	DIGESTERS & MIXERS	TANK 16.22 Ø ; 16.85 Ø SLAB	19.673 to top of tank wall 21.850 to top of roof	STEEL TANK	DARK GREEN TO BS4800 10- B-25
18	POST DIGESTION TANK, TRANSFER PUMPS & MIXER	TANK 8.54 Ø ; 9.2 Ø SLAB	10.535 to top of tank wall 11.680 to top of roof	STEEL TANK	DARK GREEN TO BS4800 10- B-25
19	GAS HOLDER	15Ø ; 13.5 SLAB	11.0	FABRIC	DARK GREEN TO BS4800 10- B-25
20	WASTE GAS DESTRUCTOR	8.2 L x 5.6 W SLAB 2Ø	7.9	STEEL	STEEL
21	EXHAUST FLUE	3 L x 4 W SLAB	17.1	STEEL	STEEL
22	POLYMER SILO	6 L x 6 W SLAB	8.00 to top silo, 9.10 to handrailing, 9.60 to top silo filter.	STEEL	STEEL

LEGEND

- NEW CONCRETE ACCESS ROAD WITH KERBS OR NEW CONCRETE FOOTPATH
- NEW STONE ACCESS ROAD OR NEW STONE FOOTPATH
- +0.00 NEW FINISHED LEVELS
- NEW ABOVE GROUND PIPEWORK
- NEW ABOVE GROUND ODOUR PIPEWORK

LAYOUT PLAN SCALE 1:500

SCALE 1 : 500 AT A1

m 10 0 10 20 30 40 50 m

Rev.	Nature of Revision	Drawn	Chkd.	Appd.	Date
A1	BUND & FOOTPATH ADDED	WJW	LFM	JMo	17.12.09

PLANNING

Dŵr Cymru Welsh Water | COSTAIN | Imtech ImtechProcess

DC-WW Unique Ref.	Costain Ref.	Imtech Ref.
DC-WW SAP Ref. A991.S.040.021	2480265	P1607

NORTH WALES AMP5 PROGRAMME
FIVE FORDS SLUDGE TREATMENT & SUSTAINABLE ENERGY

PROPOSED SITE LAYOUT

Imtech ImtechProcess | AECOM

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Drawn	Checked	Approved	Date	Scale
WJW	LFM	JMo	NOV 09	AS SHOWN AT A1

Designer's Ref.	Drawing no.	Rev
60098354.10.009	2480265_1000_2402	A1

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