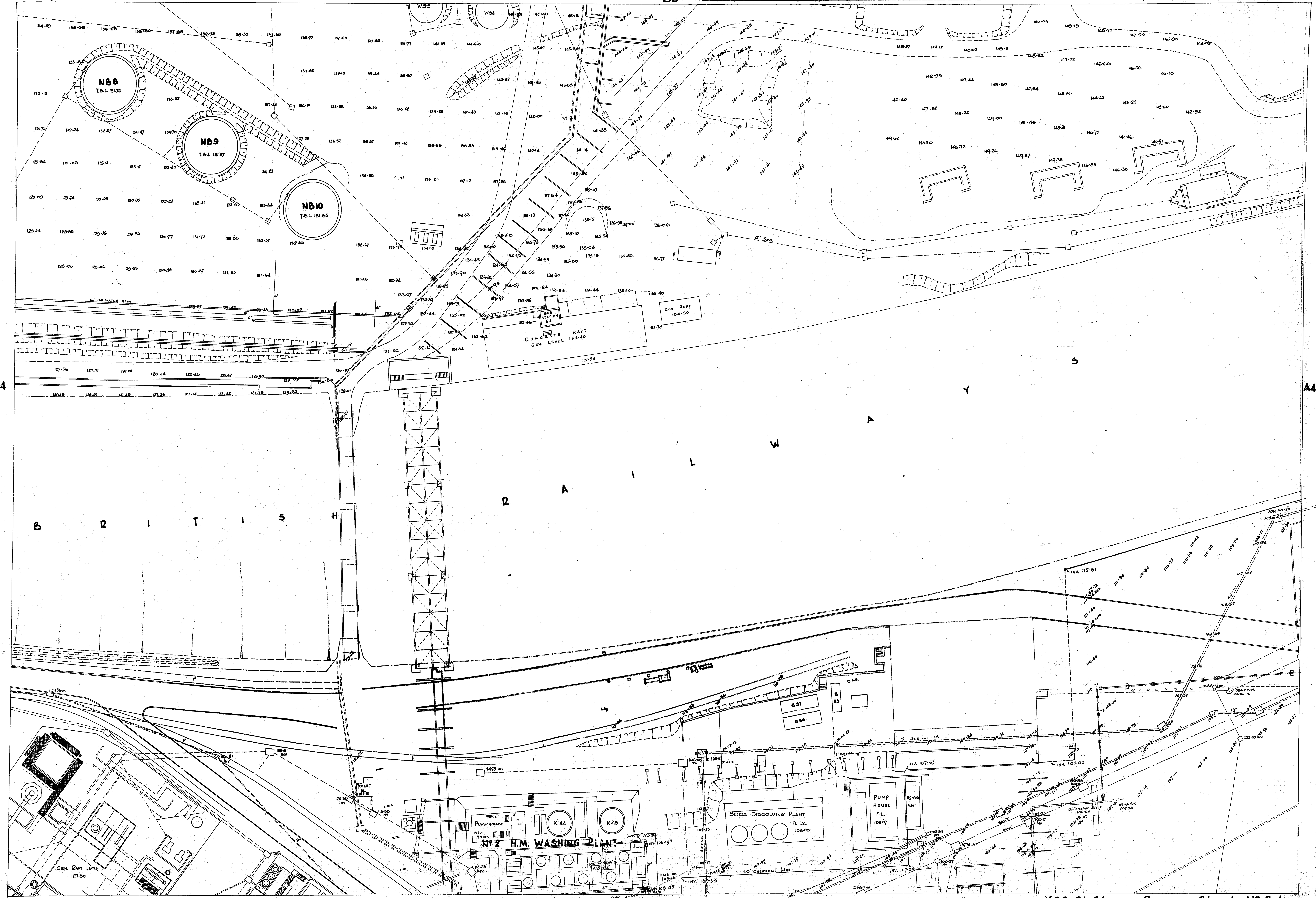
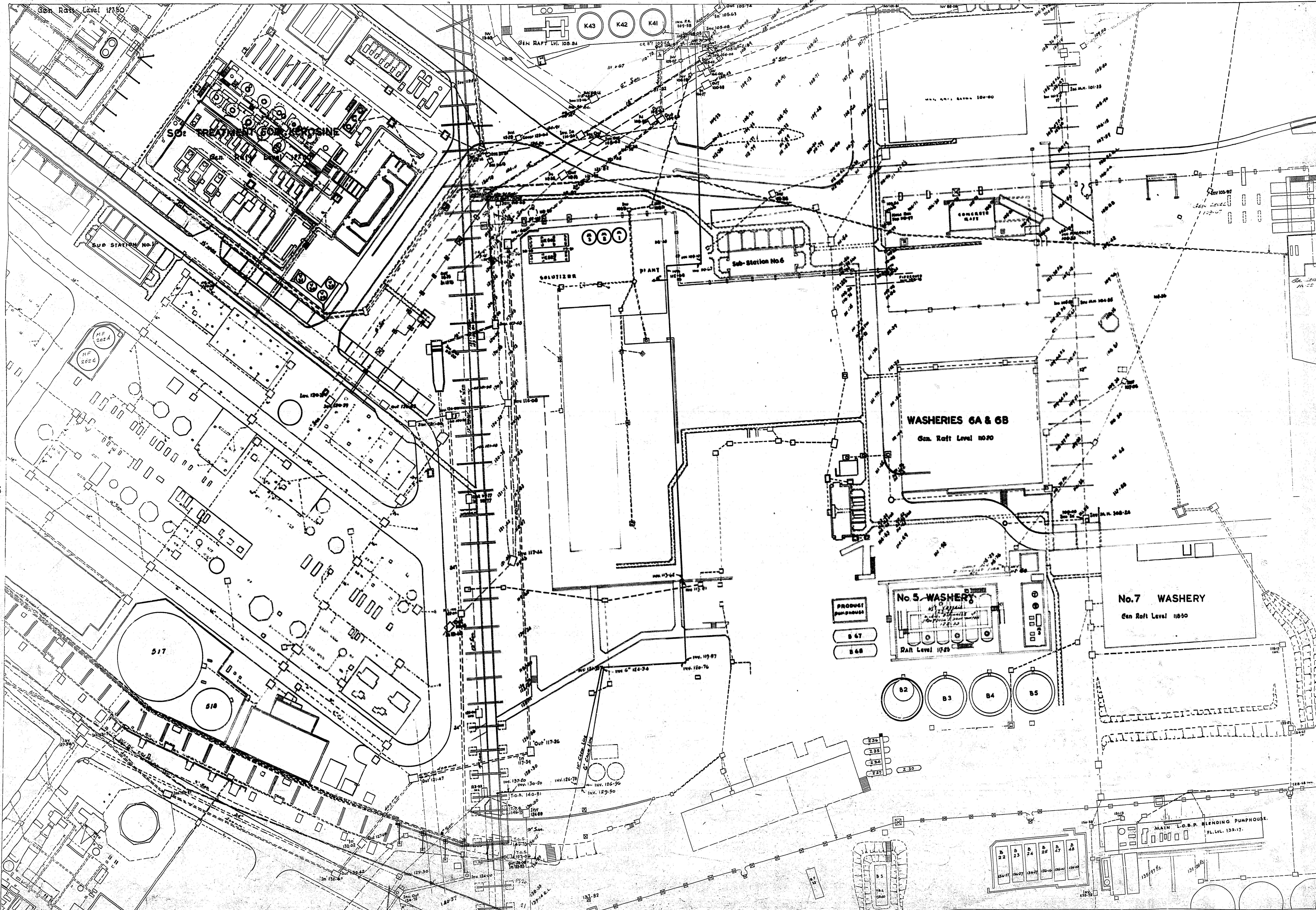
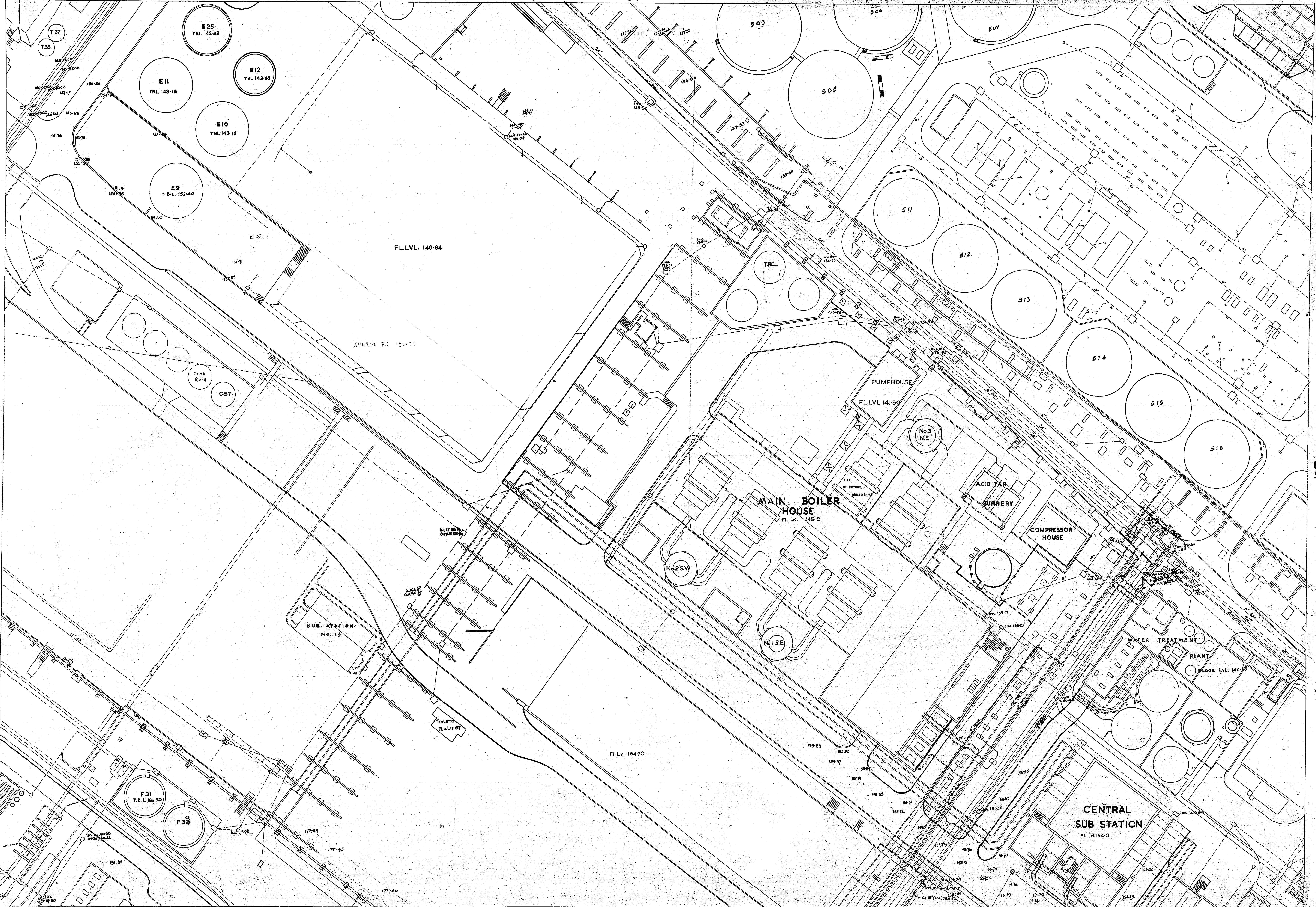






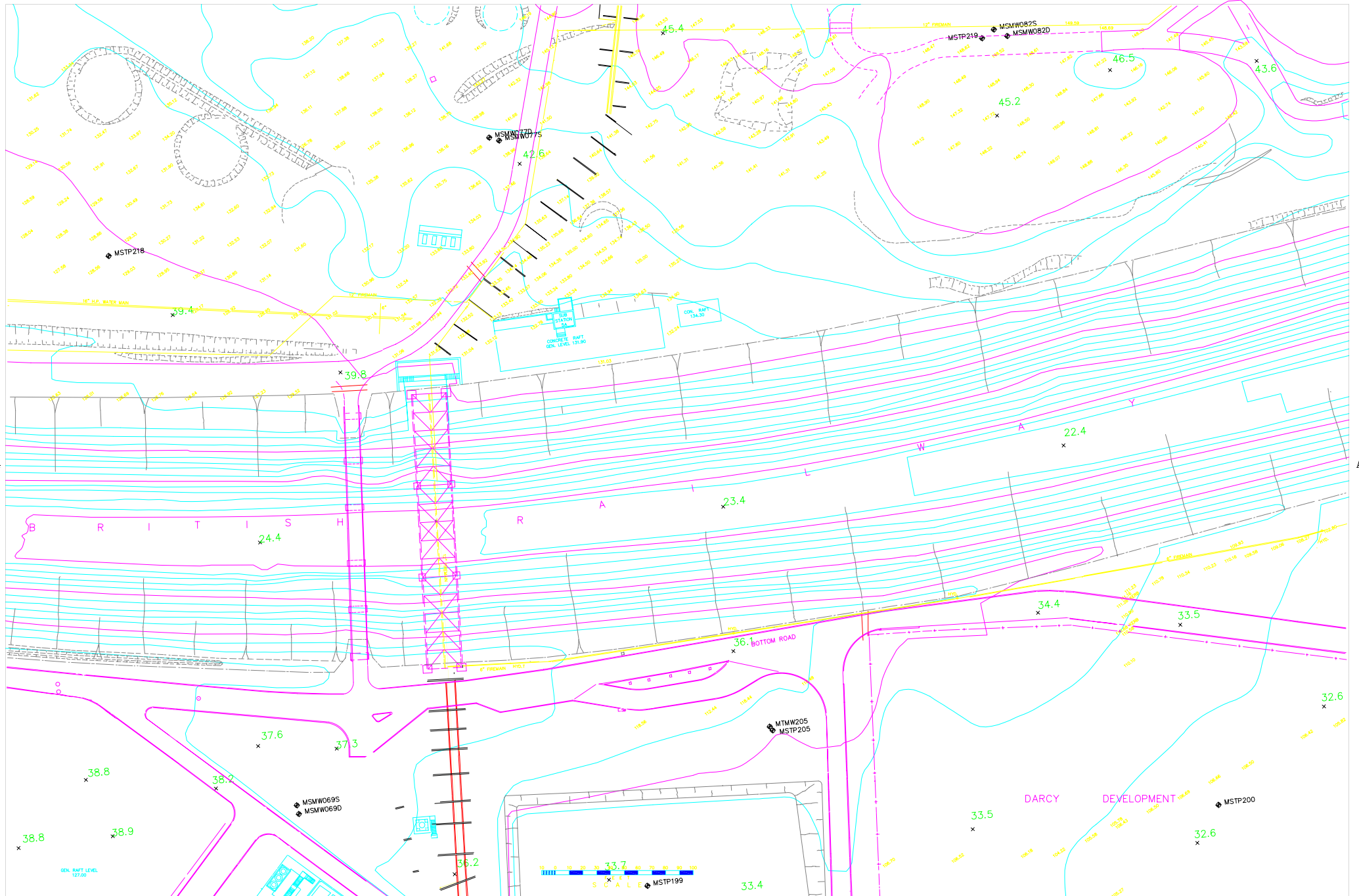




B3

C4

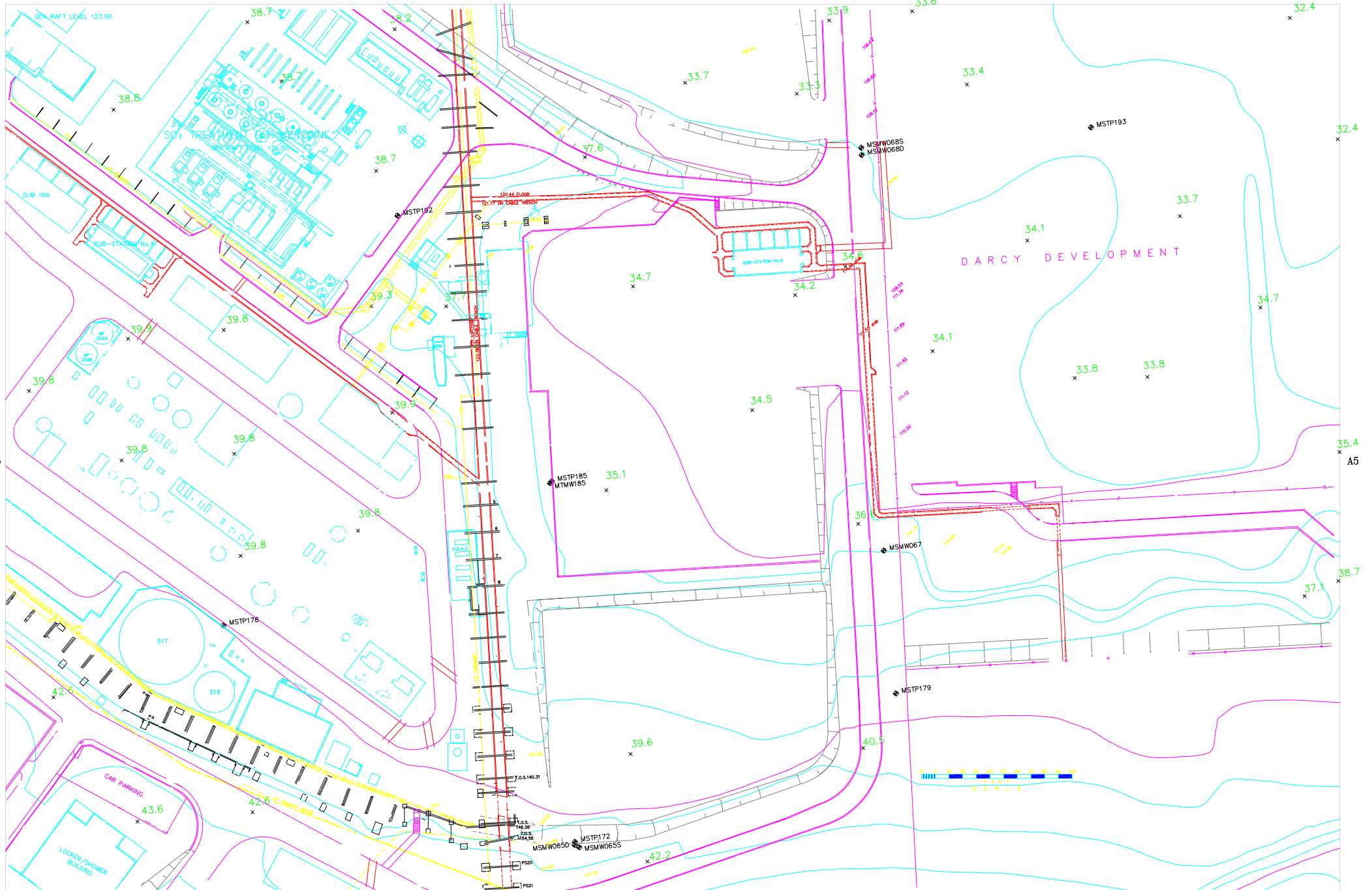
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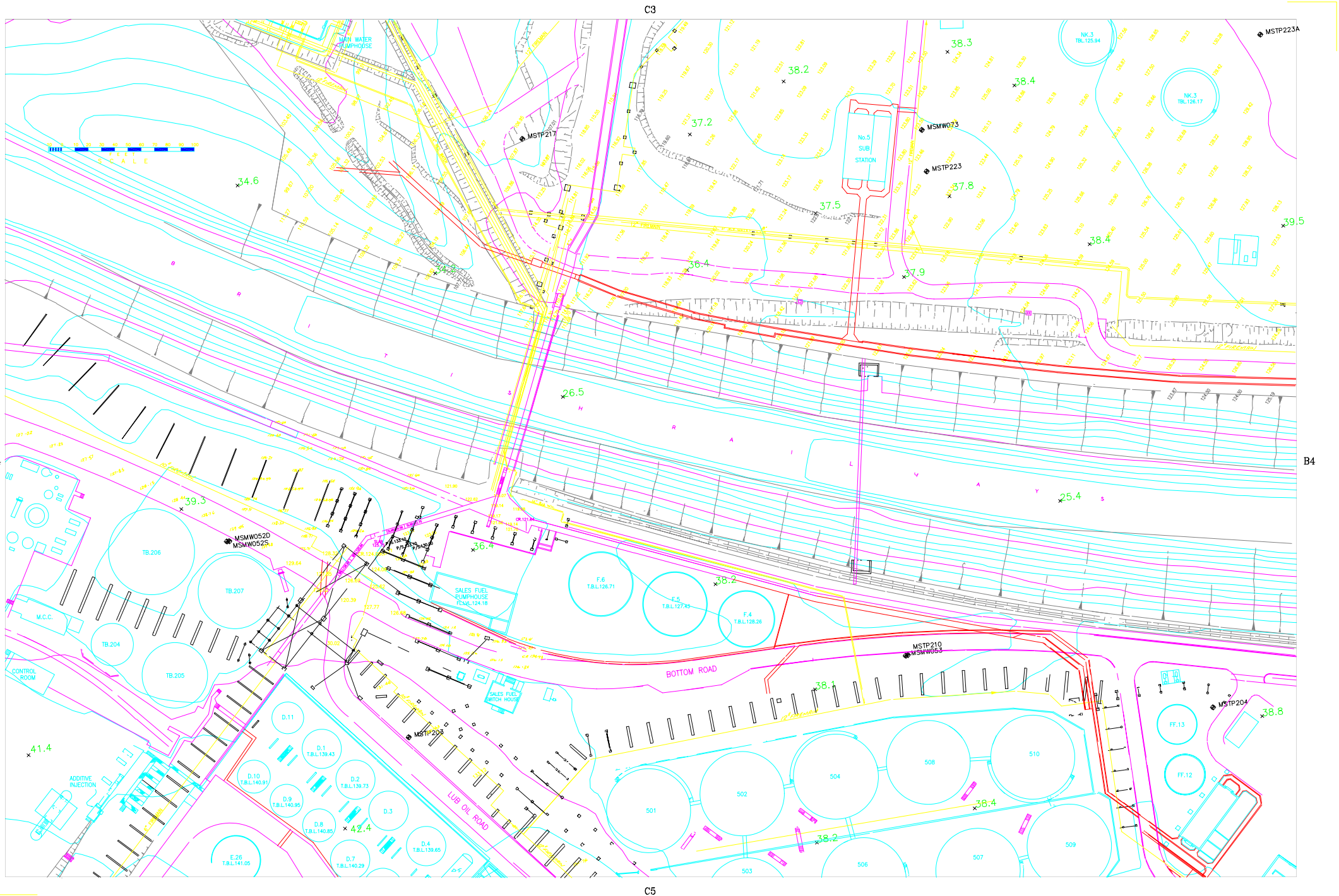
B5

B4

C5



B6



A E I F RA ARIATIO S

St Modwen Developments Limited
Park Point
17 High Street
Longbridge
Birmingham
B31 2UQ

For the attention of Neil Williams

Re: Coed Darcy

Request for variation to the requirements of Schedule 7 of the Section 106 Agreement

Dear Neil

St Modwen has submitted information in relation to RAP requirements contained within Schedule 7 of the Section 106 Agreement for Coed Darcy. The information has been reviewed and discussed by the Monitor, Natural Resources Wales' Technical Officer (Geoscience) and Neath Port Talbot's Pollution Control Officer. We therefore respond to your request as a collective, and the comments in this letter represent the views and opinions of all three.

Containment Area (the Tip)

It is agreed that all matters relating to the former tip area and environmental permit reference EAWML 34003/EPR-AP3990LR shall continue to be regulated by Natural Resources Wales as the Regulatory Body. We are satisfied that the Environmental Permitting Regime offers sufficient provisions to ensure that the remedial objectives of these features will be met. We do not have any objection to the following RAP requirements being deleted from Schedule 7 of the Section 106 Agreement:

RAP Feature 6 – Removal of free product from the 'filled' area

RAP Feature 12 – Surrender of the Waste Management Licence

RAP Feature 13 – Construction of a permeable cap

Requirements for ongoing groundwater monitoring should be considered in Atkins' updated site-wide monitoring strategy.

However, prior to these items being deleted, timescales for submission of the revised plans and their approval by Natural Resources Wales must be submitted and agreed.

North Site Reservoir

It is agreed that the draining of North Site Reservoir to restore the original valley landscape is no longer considered necessary and we therefore, do not have any objection to the deletion of the

following RAP features from Schedule 7 of the Section 106 Agreement:

RAP Feature 19 – Isolate reservoir from site drainage system

RAP Feature 16/17 – Drain reservoir

RAP Feature 20 – Remove dam

RAP Feature 16/17 – Restore landscape valley

Nevertheless, the possibility of isolating the reservoir from the site drainage system in order to restore the natural drainage pathways should be given further consideration when developing the drainage strategy for the site.

Sludge Treatment

A number of the RAP requirements necessitate the removal of and treatment of sludge from various water bodies. All sludge removal works have been completed, but treatment of some of the recovered sludge is ongoing. In particular, treatment of the sludge that has been removed from East Bay, South Site Reservoir, Crymlyn Bog Lagoon, West Bay, South Bay and the API Separators is yet to be completed. Sludge from North Site Reservoir has been treated and re-used. It is agreed that the requirement for the remaining sludge to be 'treated' can be removed from the Section 106 Agreement on the basis that the re-use of any such materials will be controlled either through planning requirements, the Materials Management Plan or under environmental permitting and CL:AIRE depending on its fate.

RAP Feature 15 – Southern Tank Farm Wetland

It is agreed that RAP Feature 15 (the Southern Tank Farm Wetland) is not required.

RAP Feature 1 – North Site Product Interception Features

It is agreed that RAP Feature 1 (the North Site Product Interception Features) is not required.

RAP Feature 24 – Eastern Process Area Product Interception Feature

It is agreed that RAP Feature 24 (the Eastern Process Area Product Interception Feature) is not required.

RAP Feature 14 – Diffuse Discharge from Crymlyn Bog Lagoon

It is agreed that RAP Feature 14 (diffuse discharge from Crymlyn Bog Lagoon) can be removed from the Section 106 Agreement given that this matter will be dealt with as part of the wider site drainage strategy.

These comments have been made in a technical capacity regarding the information submitted; you are advised to make contact with Chris Davies of the Local Planning Authority to discuss the formal process for any variations to the Section 106 Agreement.

Please do not hesitate to contact us if you have any queries regarding the contents of this email.

Yours faithfully

Leah Clark
Pollution Control Officer
Neath Port Talbot CBC

Joanne Fitton
Technical Officer (Geoscience)
Natural Resources Wales

Rhys Maunder
Principal Engineer
AECOM

*A E I BORE OLE LOCATIO
LA A SE TI EL
ELL O ITORI ATA*



KEY

- Area boundary (Exact location of Eastern boundary to be defined in situ due to existing drainage)
- Existing exploratory locations (URS 1998 - 2003)

REVISIONS		Drawn By	Checked By	Date
PURPOSE OF ISSUE		Rev.	Authorised for issue	Date
Atkins Limited Telford Office Cornerstone House Stafford Park 13 Telford TF3 3AZ Tel 01952 201234 Fax 01952 200981 © Birmingham Office The Axis, 10 Holiday Street Birmingham West Midlands B1 1TF Tel 0121 483 5000 Fax 0121 483 5252				
THIS DRAWING IS NOT TO BE SCALED				
CLIENT				
				
PROJECT				
Coed Darcy Urban Village Former DiMe Area & Proposed Sports Pitches				
DRAWING TITLE				
Historical Ground Investigation				
SCALE	DRAWN	CHECKED	CO-ORD CHECK	
1:500	B.S.	M.L.		
	DATE	DATE	DATE	
	June '11	June '11		
0	SHEET		PLOT DATE	
	AD		15.08.11	
DRAWING NO				REV
5041216-DIME-DWG-976				-

Former DiMe Area
Scale 1:500

DTP = Depth To Product
DTW = Depth To Water
Thickness = Thickness of product
Screened = BH screening details

RAP Feature 1 (C1- C2)																											
MSMW051d			Sept RAP 2008	25-Aug-09	24-Jan-11	23-Mar-11	12-May-11	19-Jul-11	02-Oct-11	22-Feb-12	01-May-12	29-Aug-12	10-Oct-12	15-Nov-12	25-Apr-13	21-May-13	09-Jun-13										
	Screened 15.5-18.0m	DTP																									
	Natural soils	DTW	7.6	7.74	7.3	7.6	7.92	7.97	7.6	7.59	3.77	7.64	7.55	7.5	7.75	7.96	7.96										
		Thickness																									
MSMW051s			Sept RAP 2008	25-Aug-09	24-Jan-11	23-Mar-11	12-May-11	19-Jul-11	02-Oct-11	22-Feb-12	01-May-12	29-Aug-12	10-Oct-12	15-Nov-12	25-Apr-13	21-May-13	09-Jun-13										
	Screened 3.0-6.0m	DTP	2.88	3	2.94	3.6	3.04	2.89	2.8	2.71	2.7	2.68	2.7	2.71	2.88	2.95	2.95										
	Natural soils	DTW	2	3	3.04	3.13	3.13	3.13	2.84	2.84	2.85	2.77	2.84	2.84	2.9	2.96	2.96										
		Thickness	0.120	0.000	0.100	0.110	0.090	0.240	0.240	0.130	0.150	0.090	0.140	0.130	0.020	0.010	0.010										
MSMW052d			25-Aug-09	19-Jul-10																							
	Screened 18.5-20.6m	DTP																									
	Sandstone	DTW	3.06	1.83																							
		Thickness																									
MSMW052s			25-Aug-09																								
	Screened 3.0-5.0m	DTP																									
	Sandstone	DTW	2.21																								
		Thickness																									
RFSW001			Sept RAP 2008	25-Aug-09	15-Jan-10	02-Feb-10	16-Mar-10	10-May-10	23-Jun-10	19-Jul-10	23-Mar-11	12-May-11	19-Jul-11	02-Oct-11	05-Dec-11	22-Feb-12	01-May-12	25-Apr-13	21-May-13	09-Jun-13							
	Screened 0.6-4.5m	DTP																									
	Natural	DTW	2.78	3.4	2.97	2.95	3.17	2.44	3.62	3.02	3.15	3.02	2.77	3.07	3	3.03	2.8	3.14	3.12	2.8							
		Thickness																									
RFSW004			28-Aug-08	25-Aug-09	15-Jan-10																						
	Screened 0.6-2.0	DTP																									
	Natural	DTW	1.824	0.89	1.53																						
		Thickness																									
RFSW005			Sept RAP 2008	25-Aug-09	15-Jan-10	02-Feb-10	10-May-10	23-Jun-10	19-Jul-10	23-Mar-11	12-May-11	19-Jul-11	02-Oct-11	05-Dec-11	22-Feb-12	01-May-12	13-Jul-12	29-Aug-12	10-Oct-12	15-Nov-12	25-Apr-13	21-May-13	09-Jun-13				
	Screened 0.6-3.7m	DTP																									
	Natural	DTW	1.57	1.59	1.65	1.55	1.86	2.02	1.81	1.4	1.87	1.45	1.65	1.5	1.48	1.41	1.42	1.47	1.52	1.46	1.62	1.66	1.54				
		Thickness																									
RFSW011			Sept RAP 2008	25-Aug-09	15-Jan-10	02-Feb-10	16-Mar-10	12-Apr-10	10-May-10																		
	Screened 1.0-3.6m	DTP																									
	Natural	DTW	1.26	1.2	1.35	1.42	1.47	1.42	1.45																		
		Thickness																									
RFSW012			Sept RAP 2008	25-Aug-09	15-Jan-10	02-Feb-10	16-Mar-10	12-Apr-10	10-May-10	23-Jun-10																	
	Screened 1.3-4.5m	DTP																									
	Natural	DTW	2.38	1.28	1.48	1.49	1.64	3.78	1.58	1.7																	
		Thickness																									
RFSW014			Sept RAP 2008	25-Aug-09	15-Jan-10	02-Feb-10	16-Mar-10	12-Apr-10	10-May-10	23-Jun-10	19-Jul-10	23-Mar-11	12-May-11	19-Jul-11	02-Oct-11	05-Dec-11	22-Feb-12	01-May-12	13-Jul-12	29-Aug-12	10-Oct-12	15-Nov-12	25-Apr-13	21-May-13	09-Jun-13		
	Screened 0.7-4.2m	DTP																									
	Natural	DTW	1.21	1.27	1.36	1.42	1.7	1.34	1.68	2.04	0.98	1.73	1.93	1.34	1.45	0.94	1.3	0.76	0.86	0.981	1.04	0.92	1.97	1.83	1.78		
		Thickness							0.01										0.001								
SBH04			25-Aug-09																								
	Screened 1.0-4.5m	DTP																									
	MCI Natural	DTW	1.470																								
		Thickness																									
WSMW002			10-May-10	19-Jul-10	14-Sep-10	24-Jan-11	23-Mar-11	12-May-11	19-Jul-11	02-Oct-11	05-Dec-11	01-May-12	29-Aug-12	10-Oct-12	25-Apr-13												
	Screened 1.0-3.5m	DTP																									
	Natural	DTW	2.06	2.68	2.90	1.8	2.6	2.4	2.31	1.98	1.56	1.41	1.81	1.48	1.81												
		Thickness																									
WSMW003			08-Apr-10	10-May-10																							
	Screened 1.0-4.0m	DTP																									
	Natural	DTW	2.40	2.71																							
		Thickness																									

Sentinel Wells Atkins Groundwater Monitoring Data

DTP = Depth To Product
 DTW = Depth To Water
 Thickness = Thickness of product
 Screened = BH screening details

C1-C2 (located on DiMe area)																							
DSB021s1		Oct-08	Oct-09	02-Feb-10	16-Feb-10	08-Mar-10	22-Mar-10	15-Sep-10	24-Jan-11	23-Mar-11	12-May-11	19-Jul-11											
	Screened 1.0-3.1m			0.98	1.01	1.06	0.82	1.3															
	DTP	1.25		1.1	1.31	1.17	0.97	1.31	DRY	DRY	DRY	1.5											
DSB021s2	MG / Natural			0.12	0.3	0.11	0.15	0.01															
	Thickness																						
DSB022s1		Oct-08	Oct-09	02-Feb-10	16-Feb-10	08-Mar-10	22-Mar-10	15-Sep-10	24-Jan-11	23-Mar-11	12-May-11	19-Jul-11	02-Oct-11										
	Screened 4.3-5.4m																						
	DTP		0.9	1.24	1.26	1.4	1.08	1.41	1.24	1.72	1.69	1.76	1.2										
DSB022s2	Natural																						
	Thickness																						
DSB022s1		Oct-08	Oct-09	02-Feb-10	16-Feb-10	08-Mar-10	22-Mar-10	15-Sep-10	24-Jan-11	23-Mar-11	12-May-11	19-Jul-11											
	Screened 0.8-3.0m																						
	DTP	1.48	1.16	2.23	1.99	1.06	1.25	1.72	1.61	1.8	1.69	1.85											
DSB022s2	Made Ground			1.08	0.89	0.04	0.25	0.1	0.02	0.1	0.01	0.06											
	Thickness																						
DSB022s2		Oct-08	Oct-09	02-Feb-10	16-Feb-10	08-Mar-10	22-Mar-10	15-Sep-10	24-Jan-11	23-Mar-11	12-May-11	19-Jul-11	02-Oct-11										
	Screened 4.9-5.4m																						
	DTP	1.642		1.4	1.4	1.57	1.28	1.52	1.82	1.97	2.05	1.99	1.2										
DSB023s2	Natural								1.83														
	Thickness								0.01														
DSB023s2		Oct-08	Oct-09	02-Feb-10	16-Feb-10	08-Mar-10	22-Mar-10	15-Sep-10	24-Jan-11	23-Mar-11	12-May-11	19-Jul-11	02-Oct-11										
	Screened 1.3-4.5m																						
	DTP								1.2	1.37	1.61												
DSB024s1	Natural			0.76	0.38	0.8	0.77	0.87	0.62	1.23	1.38	1.42	1.18	1.08									
	Thickness									0.03	0.01												
DSB024s1		Oct-08	Oct-09	02-Feb-10	16-Feb-10	08-Mar-10	22-Mar-10																
	Screened 1.5-4.0m																						
	DTP			1.32	1.34	1.44	1.17																
DSB024s2	Natural soils			1.36	1.35	1.46	1.18																
	Thickness			0.04	0.01	0.02	0.01																
DSB024s2		Oct-08	Oct-09	02-Feb-10	16-Feb-10	08-Mar-10	22-Mar-10	22-Feb-12															
	Screened 5.5-6.2m																						
	DTP																						
DSB025s1	Natural soils			1.92		1.85	1.88	2.06	1.72	1.94													
	Thickness																						
DSB025s1		Oct-08	Oct-09	02-Feb-10	16-Feb-10	08-Mar-10	22-Mar-10	15-Sep-10	24-Jan-11	23-Mar-11	12-May-11	19-Jul-11	22-Feb-12	01-May-12	13-Jul-12	29-Aug-12	10-Oct-12	15-Nov-12					
	Screened 1.0-3.5m																						
	DTP	2.35	0.89	1.21	1.23	1.47	1.5	1.88	1.59	1.77	1.8	0.82	1.5	1.03	1.015	1.052	1.115	1.17					
DSB025s2	Natural soils			5.652	2.5	3.23	2.5	NE	1.69	1.75	2.47	2.4	2.01	2.1	1.2	1.05	1.054	1.135	1.2				
	Thickness	1.302		1.29	2	1.03	1.5	0.01	0.16	0.7	0.6	1.09	0.6	0.17	0.035	0.002	0.01	0.03					
DSB025s2		Oct-08	Oct-09	02-Feb-10	16-Feb-10	08-Mar-10	22-Mar-10	15-Sep-10	24-Jan-11	23-Mar-11	12-May-11	19-Jul-11	02-Oct-11	22-Feb-12	01-May-12	13-Jul-12	29-Aug-12	10-Oct-12	15-Nov-12	05-Apr-13	08-Apr-13	14-Aug-13	
	Screened 5.7-7.0m																						
	DTP	5.05	0.9	2.21	1.25	1.51	0.96	1.58	2.55	1.84	2.01	2.36	1.47	1.55	1.12	0.9	0.89	0.89	0.97	1.45	2.14		
DSB027s1	Natural soils			5.2	NE	4.7	4.27	4.97	4.5	2.4	2.27	2.61	2.37	1.7	3.26	1.2	1.13	1.6	2.47	2.46	2.13	2.145	0.1
	Thickness	0.15		2.49	3.02	3.46	3.54	0.82	0.95	0.43	0.6	0.01	0.23	1.71	0.88	0.23	0.71	1.58	1.49	0.68	0.005		
DSB027s1		Oct-08	Oct-09																				
	Screened 1.0-3.5m																						
	DTP		1.18																				
DSB027s2	MG / Natural soils			5.63																			
	Thickness																						
DSB027s2		Oct-08	Oct-09	02-Feb-10	16-Feb-10	08-Mar-10	22-Mar-10	15-Sep-10	24-Jan-11	23-Mar-11	12-May-11	19-Jul-11	02-Oct-11	22-Feb-12	01-May-12	13-Jul-12	29-Aug-12	10-Oct-12	15-Nov-12	05-Apr-13	08-Apr-13	14-Aug-13	
	Screened 5.8-6.8m																						
	DTP	4.61	1.38	1.43	1.48	1.77	1.27	1.83	1.47	1.65	1.72	2.15	1.38	1.3	1.05		0.72			1.57	2.06		
DSB039s2	Natural soils			5.96	5.93	5.99	5.97	3.37	2.92	3.16	3.22	2.6	1.57	1.47	1.061	0.77	0.723	0.77	0.87	2.2	2.065	1.05	
	Thickness	1.35		4.53	4.45	4.22	4.7	1.54	1.45	1.51	1.5	0.45	0.19	0.17	0.001		0.003		0.63	0.005			
DSB039s2		Oct-08	15-Sep-10	24-Jan-11	23-Mar-11	12-May-11	19-Jul-11	02-Oct-11	22-Feb-12	01-May-12	13-Jul-12	29-Aug-12	10-Oct-12	15-Nov-12	05-Apr-13	08-Apr-13	14-Aug-13						
	Screened 5.0-6.3																						
	DTP	4.05	2.13	2.04	2.25	2.39	2.94	1.78	1.77	1.7	1.59	1.66	1.62	1.95	2.46								
DSB039s2	Natural soils																						
	Thickness	4.91	4.16	5.42	5.5	5.5	4.34	3.94	4.63	1.71	1.58	1.63	2.35	2.38	2.45	2.465	0.17						
		0.86	2.03	3.38	3.25	3.11	1.4	2.16	2.86	0.01			0.04	0.79	0.76	0.5	0.005						

DTP = Depth To Product
DTW = Depth To Water
Thickness = Thickness of product
Screened = BH screening details

[illegible]

About AECOM

AECOM (NYSE: ACM) is built to deliver a better world. We design, build, finance and operate infrastructure assets for governments, businesses and organizations in more than 150 countries.

As a fully integrated firm, we connect knowledge and experience across our global network of experts to help clients solve their most complex challenges.

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