

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

CONSTRUCTION

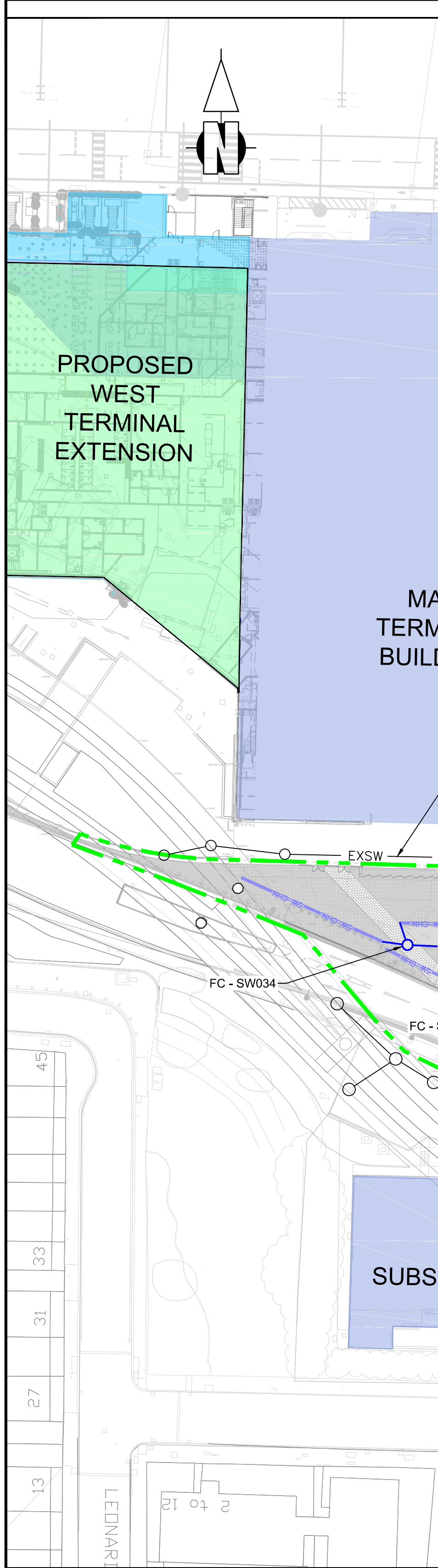
- Live services critical to airport operations (eg HV, AGL, Peri cables, firemain) to be protected during works.
- Airport operations related height restrictions to be observed when operating tall plant such as cranes.
- DLR exclusion zone requirements to be observed during excavation.
- Risk of hitting or discovering UXO - See site specific UXO reports
- Contaminated soil and asbestos within buried services or in ground - see environmental reports
- Risk of collisions with pedestrians and vehicles in live airport environment and public access road

MAINTENANCE/CLEANING

DECOMMISSIONING/DEMOLITION

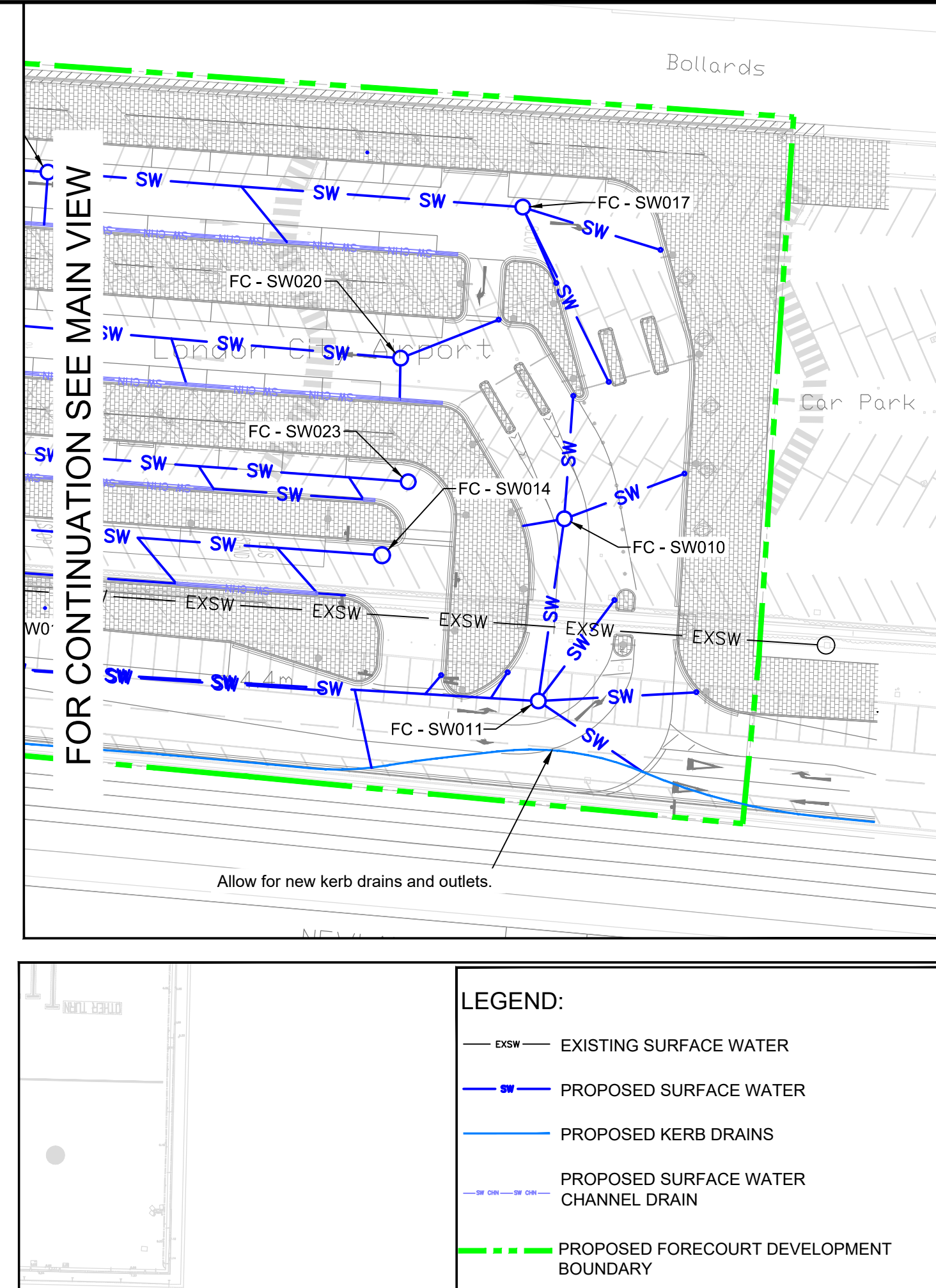
See construction risks above

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement



PIPE SCHEDULE												
Permanent SW												
SETOUT POINTS	PIPE TYPE	LENGTH (m)	SLOPE (1:X)	USIL (m)	USCL (m)	DSIL (m)	US DEPTH (m)	PIPE DIAMETER (mm)	BEDDING CLASS	Type		
FROM	TO											
SW001	SW002	CARRIER	42	232	3.400	4.804	3.220	1.404	300	Z	Clay	
SW002	SW003	CARRIER	27	226	3.220	4.540	3.100	1.320	300	Z	PCC	
SW003	SW004	CARRIER	57	337	3.100	4.400	2.930	1.300	450	Z	PCC	
SW004	SW005	CARRIER	48	345	2.930	4.359	2.790	1.429	450	Z	PCC	
SW005	SW009	CARRIER	13	324	2.790	4.340	2.750	1.550	450	Z	PCC	
SW006	SW007	CARRIER	36	202	3.350	4.590	3.170	1.240	300	Z	Clay	
SW007	SW008	CARRIER	29	206	3.020	4.580	2.880	1.560	450	Z	PCC	
SW008	SW009	CARRIER	29	225	2.880	4.587	2.750	1.707	450	Z	PCC	
SW009	SW026	CARRIER	17	345	2.750	4.605	2.700	1.855	450	F	PCC	
SW010	SW011	CARRIER	19	238	3.230	4.600	3.150	1.370	300	Z	PCC	
SW011	SW012	CARRIER	66	243	3.150	4.330	2.880	1.180	300	Z	PCC	
SW012	SW013	CARRIER	47	316	2.880	4.360	2.730	1.480	450	Z	PCC	
SW013	SW016	CARRIER	15	302	2.730	4.440	2.680	1.710	450	Z	PCC	
SW014	SW015	CARRIER	78	298	3.100	4.570	2.840	1.470	450	Z	PCC	
SW015	SW016	CARRIER	26	301	2.840	4.642	2.755	1.802	450	F	PCC	
SW016	SW026	CARRIER	15	269	2.680	4.784	2.625	2.104	525	F	PCC	
SW017	SW018	CARRIER	90	277	3.735	5.248	3.410	1.513	300	F	Clay	
SW018	SW019	CARRIER	5	21	3.410	5.306	3.170	1.896	300	F	Clay	
SW019	SW022	CARRIER	23	138	3.170	5.303	3.000	2.133	300	F	Clay	
SW020	SW021	CARRIER	73	182	3.600	4.924	3.200	1.324	300	Z	Clay	
SW021	SW022	CARRIER	19	97	3.200	5.033	3.000	1.833	300	F	Clay	
SW022	SW026	CARRIER	23	152	3.000	5.214	2.850	2.214	300	F	Clay	
SW023	SW024	CARRIER	72	201	3.400	4.695	3.040	1.295	300	Z	Clay	
SW024	SW026	CARRIER	41	217	3.040	4.776	2.850	1.736	300	F	PCC	
SW025	SW026	CARRIER	18	100	4.000	5.350	3.818	1.350	150	F	Clay	
SW026	Petrol Interceptor	CARRIER	4	196	2.550	5.059	2.530	2.509	600	F	PCC	
SW033	SW033	CARRIER	3	173	2.430	5.089	2.410	2.659	600	F	PCC	
SW027	SW028	CARRIER	42	233	3.630	5.233	3.450	1.603	300	F	Clay	
SW028	SW029	CARRIER	16	207	3.450	5.230	3.375	1.780	300	F	Clay	
SW029	SW030	CARRIER	17	211	3.300	5.455	3.220	2.155	375	F	PCC	
SW030	SW031	CARRIER	72	207	3.220	5.400	2.875	2.180	375	F	PCC	
SW031	RW Harvesting	CARRIER	25	211	2.800	5.356	2.680	2.556	450	F	PCC	
SW032	RW Harvesting	CARRIER	5	32	2.905	5.503	2.755	2.598	300	F	Clay	
RW Harvesting	SW033	CARRIER	13	111	2.680	5.400	2.580	2.720	450	F	PCC	
SW033	Att Tank	CARRIER	3	273	2.410	5.123	2.400	2.713	600	F	PCC	
Att Tank	SW041	CARRIER	4	71	2.400	5.134	2.340	2.734	600	F	PCC	
SW034	SW035	CARRIER	46	231	3.300	5.064	3.100	1.764	300	F	Clay	
SW035	SW036	CARRIER	34	230	3.100	5.161	2.950	2.061	300	F	Clay	
SW036	SW040	CARRIER	18	203	2.950	5.037	2.860	2.087	300	F	Clay	
SW037	SW038	CARRIER	25	193	3.300	5.211	3.170	1.911	300	F	Clay	
SW038	SW039	CARRIER	40	189	3.170	5.230	2.960	2.060	300	F	Clay	
SW039	SW040	CARRIER	4	44	2.960	5.296	2.860	2.336	300	F	Clay	
SW040	SW041	CARRIER	21	97	2.860	5.212	2.640	2.352	300	F	Clay	
SW041	SW042	CARRIER	10	249	2.340	5.130	2.300	2.790	300	F	Clay	
SW042	SW043	CARRIER	20	240	2.300	4.947	2.215	2.647	300	F	Clay	
Extg MH53	SW044	CARRIER	7	120	2.96	4.643	2.81	2.901	300	Z	Clay	
SW044	Extg MH201	CARRIER	9	113	2.6	4.643	2.52	2.520	600	Z	PCC	

MANHOLE / CATCHPIT / INSPECTION CHAMBER SCHEDULE									
SETOUT POINT	COORDINATES		MH TYPE	MH SIZE (mm)	MH COVER LOAD CLASS	NOTE			
	E (m)	N (m)							
SW001	542379.668	180213.804	2	1200	D400	-	-	-	-
SW002	542416.399	180194.050	2	1200	D400	-	-	-	-
SW003	542442.773	180187.961	2	1500	D400	-	-	-	-
SW004	542499.955	180184.926	2	1500	D400	-	-	-	-
SW005	542548.235	180183.301	2	1500	D400	-	-	-	-
SW006	542458.956	180194.689	2	1200	D400	-	-	-	-
SW007	542495.275	180194.390	2	1500	D400	-	-	-	-
SW008	542524.038	180193.775	2	1500	D400	-	-	-	-
SW009	542553.295	180195.241	2	1500	D400	-	-	-	-
SW010	542682.274	180197.846	2	1200	D400	-	-	-	-
SW011	542679.597	180179.026	2	1200	D400	-	-	-	-
SW012	542614.191	180183.003	2	1500	D400	-	-	-	-
SW013	542566.889	180185.887	2	1500	D400	-	-	-	-
SW014	542663.423	180194.090	2	1500	D400	-	-	-	-
SW015	542586.114	180199.653	2	1500	D400	-	-	-	-
SW016	542660.565	180199.571	2	1500	D400	-	-	-	-
SW017	542677.978	180230.087	2	1200	D400	-	-	-	-
SW018	542628.863	180233.713	2	1200	D400	-	-	-	-
SW019	542593.035	180236.148	2	1200	D400	-	-	-	-
SW020	542665.343	180214.470	2	1200	D400	-	-	-	-
SW021	542592.758	180220.686	2	1200	D400	-	-	-	-
SW022	542573.571	180222.987	2	1200	D400	-	-	-	-
SW023	542666.139	180201.685	2	1200	D400	-	-	-	-
SW024	542594.124	180207.084	2	1200	D400	-	-	-	-
SW025	542555.094	180230.617	2	1200	D400	-	-	-	-
SW026	542553.295	180212.468	2	1500	D400	-	-	-	300mm Sump
Petrol Interceptor	542549.372	180212.611	2	1500	D400	-	-	-	-
SW027	542373.428	180237.682	2	1200	D400	-	-	-	-
SW028	542415.189	180235.026	2	1200	D400	-	-	-	-
SW029	542428.863	180227.648	2	1500	D400	-	-	-	-
SW030	542445.650	180226.036	2	1500	D400	-	-	-	-
SW031	542517.176	180224.782	2	1500	D400	-	-	-	300mm Sump
SW032	542642.719	180230.619	2	1500	D400	-	-	-	300mm Sump
RW Harvesting	542642.496	180225.879	2	1500	D400	-	-	-	-
SW033	542645.920	180212.833	2	1500	D400	-	-	-	300mm Sump
Att Tank	542543.187	180212.833	2	1500	D400	-	-	-	-
SW034	542356.766	180234.696	2	1200	D400	-	-	-	-
SW035	542402.889	180232.630	2	1200	D400	-	-	-	-
SW036	542426.816	180207.833	2	1200	D400	-	-	-	-
SW037	542508.633	180218.230	2	1200	D400	-	-	-	-
SW038	542483.635	180219.252	2	1200	D400	-	-	-	-
SW039	542443.972	180219.069	2	1200	D400	-	-	-	-
SW040	542443.776	180214.669	2	1200	D400	-	-	-	-
SW041	542464.936	180212.888	2	1500	D400	-	-	-	Hydrobrake Head: 1.99m Design flow: 12 l/s 300mm Sump
SW042	542463.136	180203.279	2	1200	D400	-	-	-	300mm Sump
SW043	542443.814	180196.764	2	1500	D400	-	-	-	-
Extg MH53	542565.545	180193.683	-	Existing	-	-	-	-	-
SW044	542557.185	180193.034	2	1500	D400	-	-	-	-
Extg MH201	542552.423	180186.331	-	Existing	-	-	-	-	-



Notes:

- This drawing is based on P&W Forecourt Layout A400-PAW-A-24-L00-DR-GA-200-001 Rev. 03 dated 02 June 2017.
- Refer to the following drawings for existing survey information:
  - A400-ATK-C-24-XXX-DR-XX-800-321 - Existing Combined Services Layout - Based on MSA Records
  - A400-ATK-C-24-XXX-DR-XX-800-324 - Existing Combined Services Layout - Based on 2015 & 2017 Buried Services Survey
- This drawing to be read in conjunction with Stage 2 Forecourt Design Report and Proposed Forecourt drawings series:
  - A400-ATK-C-24-DR-XX-500-321 - Proposed Communication Services External Put and Duct Layout
  - A400-ATK-C-24-DR-XX-823-321 - Proposed LV & HV Services Pit and Duct Layout
  - A400-ATK-C-24-DR-XX-831-321 - Proposed Gas Main Layout
  - A400-ATK-C-24-DR-XX-842-321 - Proposed External Low Temperature Hot Water Services Layout
  - A400-ATK-C-24-DR-XX-862-321 - Proposed Foul Water Drainage System Layout
  - A400-ATK-C-24-DR-XX-863-321 - Proposed Firemain and Potable Water Services Layout
  - A400-ATK-C-24-DR-XX-869-321 - Proposed External Chilled Water Services Layout
- All proposed services locations are indicative only and are to be developed further at the next design stage.
- Modifications of services shown are subject to review and approval by utility owners.
- Treatment (ie stripout or grout) of services already abandoned or proposed to be abandoned to be confirmed.
- Status and extent of all services (recorded and unrecorded) to be determined by further survey and consultation with relevant utility owner.
- Consultation with Thames Water required to agree discharge rates and connection into Thames Water network.
- All manhole and covers to be D400 rated and pipes to have a concrete surround for highways loading, if less than 0.9m deep.
- It is assumed the existing kerb drains at the Southern edge of Hartman Road could be utilised (subject to survey).
- Attenuation tank to be heavy duty SDS Geolight. Overall dims 74m x 11m x 1.5m deep. Typical cover from proposed hard landscaping levels is 0.9m. Attenuation tank's top surface to be protected with geotextile root barrier.
- All retained existing pits and manholes to be adjusted and/or reinforced to suit levels and loading where required.
- Preliminary manhole sizes and pipe bedding types based on Highways Standard Details (MCHW). Requirement to be reviewed and developed at next design stage.
- Oil interceptor to be 340 C1/SC by SPEL with concrete surround design for vehicle loading.

01

21/06/2016

STAGE 2 ISSUE

HD

YP

SP

Ver

Date

Version Description

Dm

Chk

App

Key Plan

ATKINS

Euston Tower  
286 Euston Road  
London  
NW1 3AT

Tel: +44 (0)207 121 2000

Copyright © Atkins Limited (2016) www.atkinsglobal.com

London City Airport

Get closer.

Project Name

CADP - FORECOURT

Title

PROPOSED SURFACE WATER DRAINAGE SYSTEM LAYOUT

Common Language Series

864 - STORM WATER DRAINAGE

Common Language System

864 - STORM WATER DRAINAGE

Drawing Originator

ATKINS

Checked By

DK

Checked Date

11.05.16

Drawn By

HD

Approved By

MDS

Approval Date

17.06.16

Scale

1:500 @A1

Reason for issue

Information

ProjectCode-Originator-Discipline-Zone-Level-DocType-Series/System-Identifier

A400-ATK-C-24-XXX-DR-XX-864-321

Client Project No.

A400

Originator's Job No.

5147739

Drawn Date

25.04.16

Status

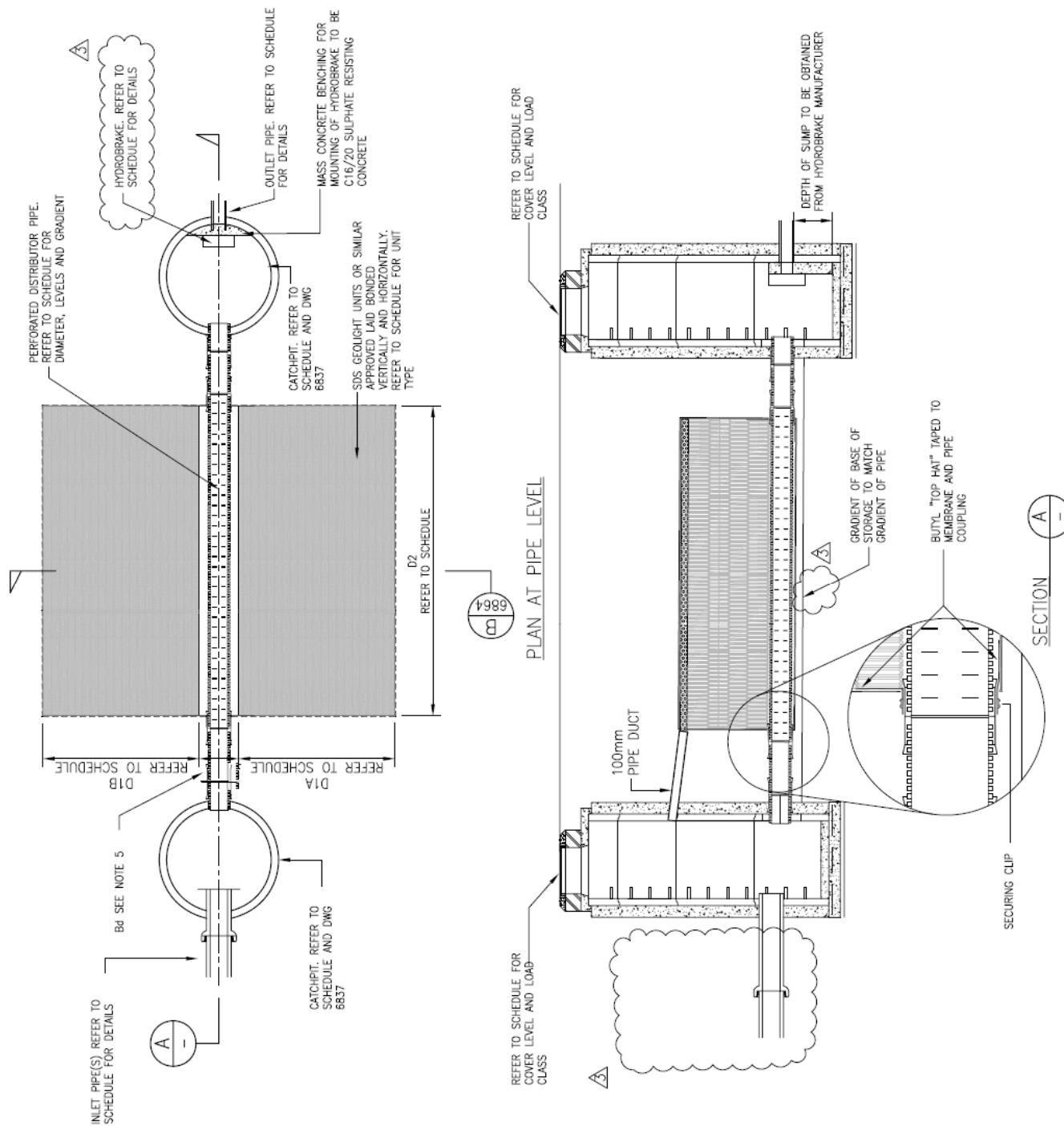
S2

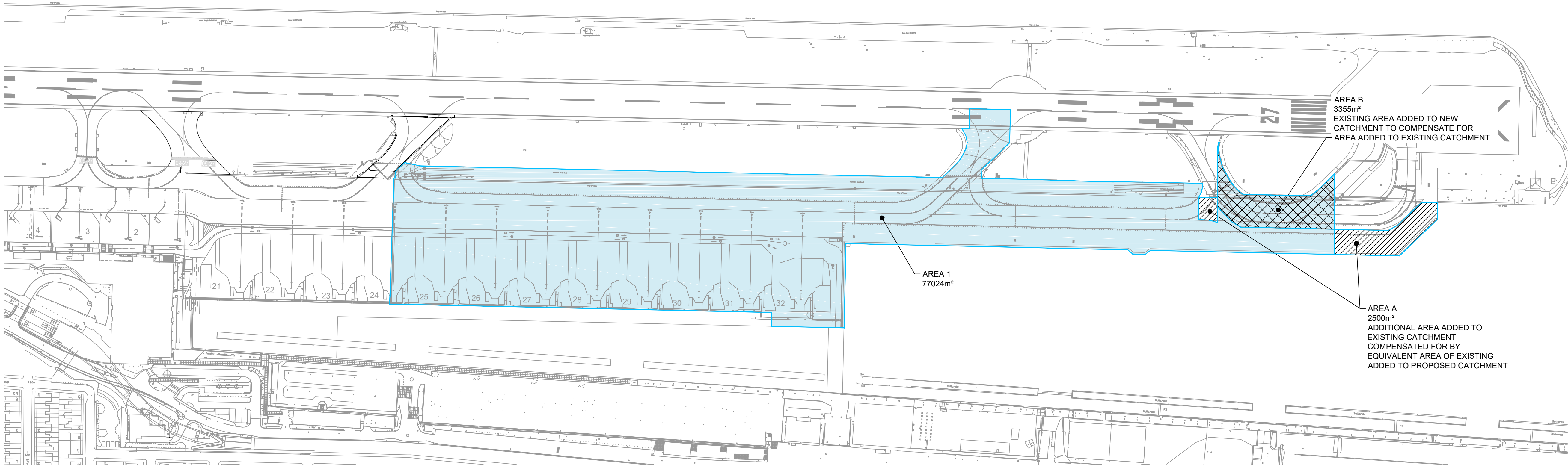
Version

01



LANDSIDE ATTENUATION TANK DETAIL





DO NOT SCALE FROM THIS DRAWING

Copyright in all documents and drawings prepared by TPS Consult Ltd. and in any works executed from those documents and drawings shall remain the property of TPS Consult Ltd. unless otherwise agreed at project inception.

- NOTES
1. BASED ON MSA SURVEY DIGITAL TERRAIN MODEL.
  2. SCHEME LEVEL AREAS. FINAL AREAS MAY VARY.

- LEGEND
- AREA 1 = 77024m<sup>2</sup>  
PROPOSED AIRSIDE CATCHMENT
  - AREA A = 2500m<sup>2</sup>  
PROPOSED AREA ADDED TO EXISTING CATCHMENT
  - AREA B = 3355m<sup>2</sup>  
EXISTING CATCHMENT ADDED TO PROPOSED AIRSIDE CATCHMENT

01	A.WILSON	01/11/2017	B.WYITHE	01/11/2017
ISSUED FOR INFORMATION.				
Rev	Revised By	Date	Checked By	Date

FOR INFORMATION



Project  
**CITY AIRPORT  
DEVELOPMENT PROGRAMME**

Drawing Title  
**DRAINAGE SCHEME  
CATCHMENT AREAS  
COMPLETED WORKS**

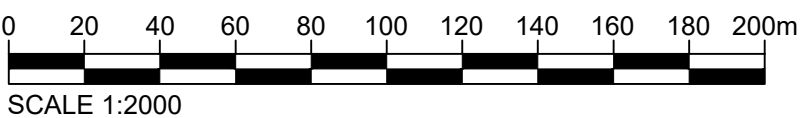
Originating Office  
TPS Croydon - Interchange  
81-85 Station Road  
Croydon  
CR0 2RD  
United Kingdom  
Tel +44 (0)1902 422431  
www.tpsconsult.co.uk  
info@tpsconsult.co.uk

TPS Job Manager  
R.KNAPTON  
QA System - Checks  
Signature  
Date  
Drawn By: A.WILSON  
01/11/2017  
Checked: B.WYITHE  
01/11/2017  
Authorised: S.HAWLEY  
01/11/2017

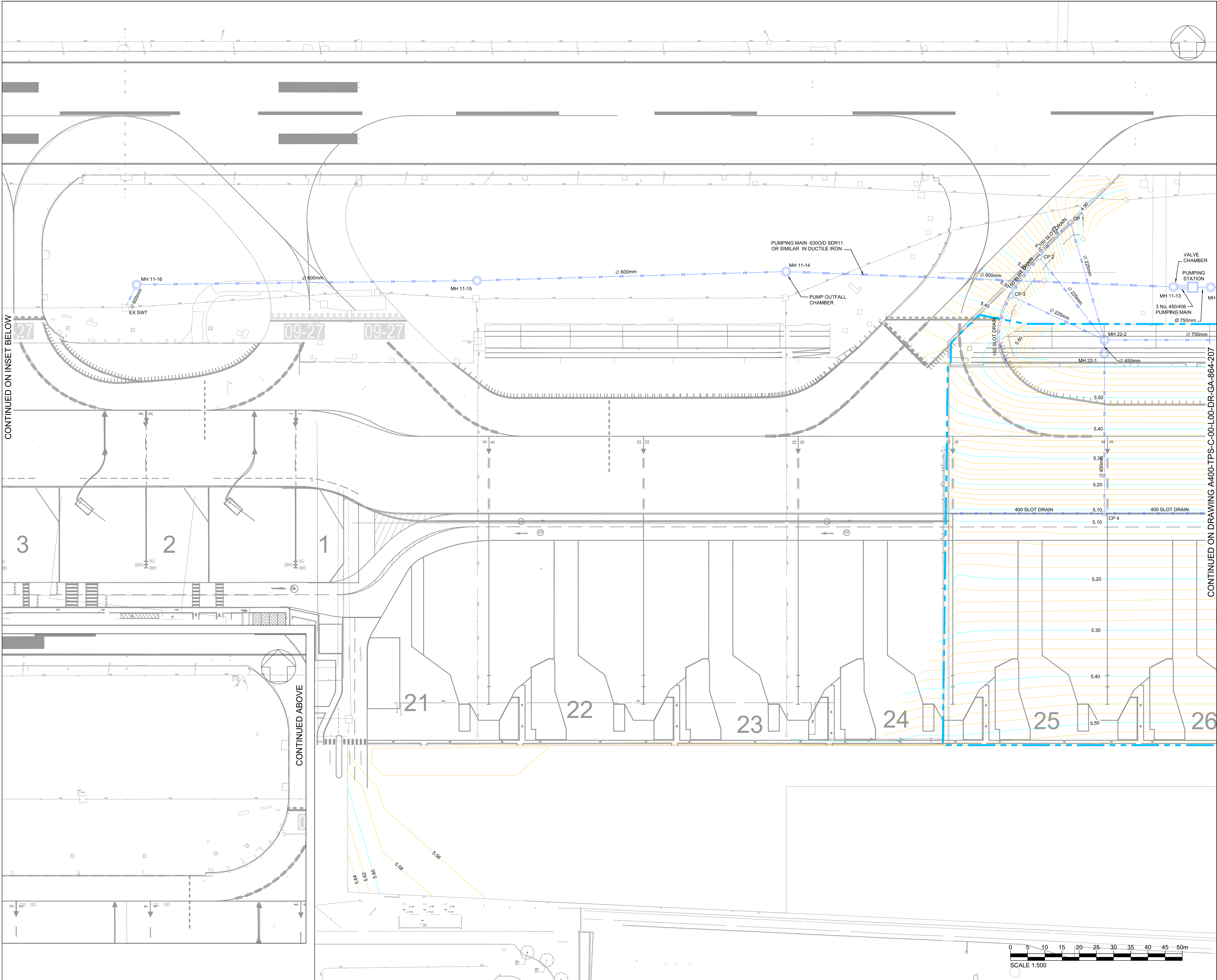
TPS Project No.  
112931  
Drawing Status  
FOR INFORMATION  
Scale (at A1)  
1:2000  
(at A3)

Project No. | Orig | Disc | Zone | Level | Type | Sub Type | Series | Sht. No. | Rev.

**A400-TPS-C-00-L00-DR-GA-864-205 01**







**DO NOT SCALE FROM THIS DRAWING**

Copyright in all documents and drawings prepared by TPS Consult Ltd. and in any works executed from those documents and drawings shall remain the property of TPS Consult Ltd. unless otherwise agreed at project inception.

**NOTES**

- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
- ALL LEVELS ARE IN METRES ABOVE ORDNANCE SURVEY DATUM.

**LEGEND**

- PROPOSED SURFACE WATER MAIN AND MANHOLE
- PROPOSED SURFACE WATER PUMPING MAIN
- PROPOSED SURFACE WATER SLOT DRAIN AND CATCHPIT
- PROPOSED AIRSIDE CATCHMENT AREA BOUNDARY
- EXISTING DRAINAGE PIPE TO BE DECOMMISSIONED

01	A.WILSON	01/11/2017	B.WYITHE	01/11/2017
----	----------	------------	----------	------------

ISSUED FOR INFORMATION.

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------

**FOR INFORMATION**

**London City Airport**  
Get closer.

Project  
**CITY AIRPORT DEVELOPMENT PROGRAMME**

Drawing Title  
**PROPOSED DRAINAGE LAYOUT COMPLETED WORKS SHEET 1 OF 4**

Originating Office  
TPS Croydon - Interchange  
81-85 Station Road  
Croydon  
CR0 2RD  
United Kingdom  
Tel +44 (0)1902 422431  
www.tpsconsult.co.uk  
info@tpsconsult.co.uk

Birmingham Croydon Edinburgh Sheffield Wolverhampton

TPS Job Manager  
R.KNAPTON  
Signature Date

QA System - Checks  
A.WILSON 01/11/2017  
B.WYITHE 01/11/2017  
S.HAWLEY 01/11/2017

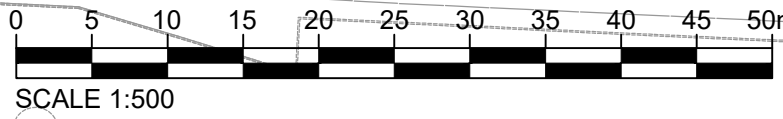
TPS Project No. 112931  
Drawing Status FOR INFORMATION  
Scale (at A1) 1:500 (at A3)

Project No.	Orig	Disc	Zone	Level	Type	Sub Type	Series	Sht. No.	Rev.
A400-TPS-C-00-L00-DR-GA-864-206								01	

CONTINUED ON INSET BELOW

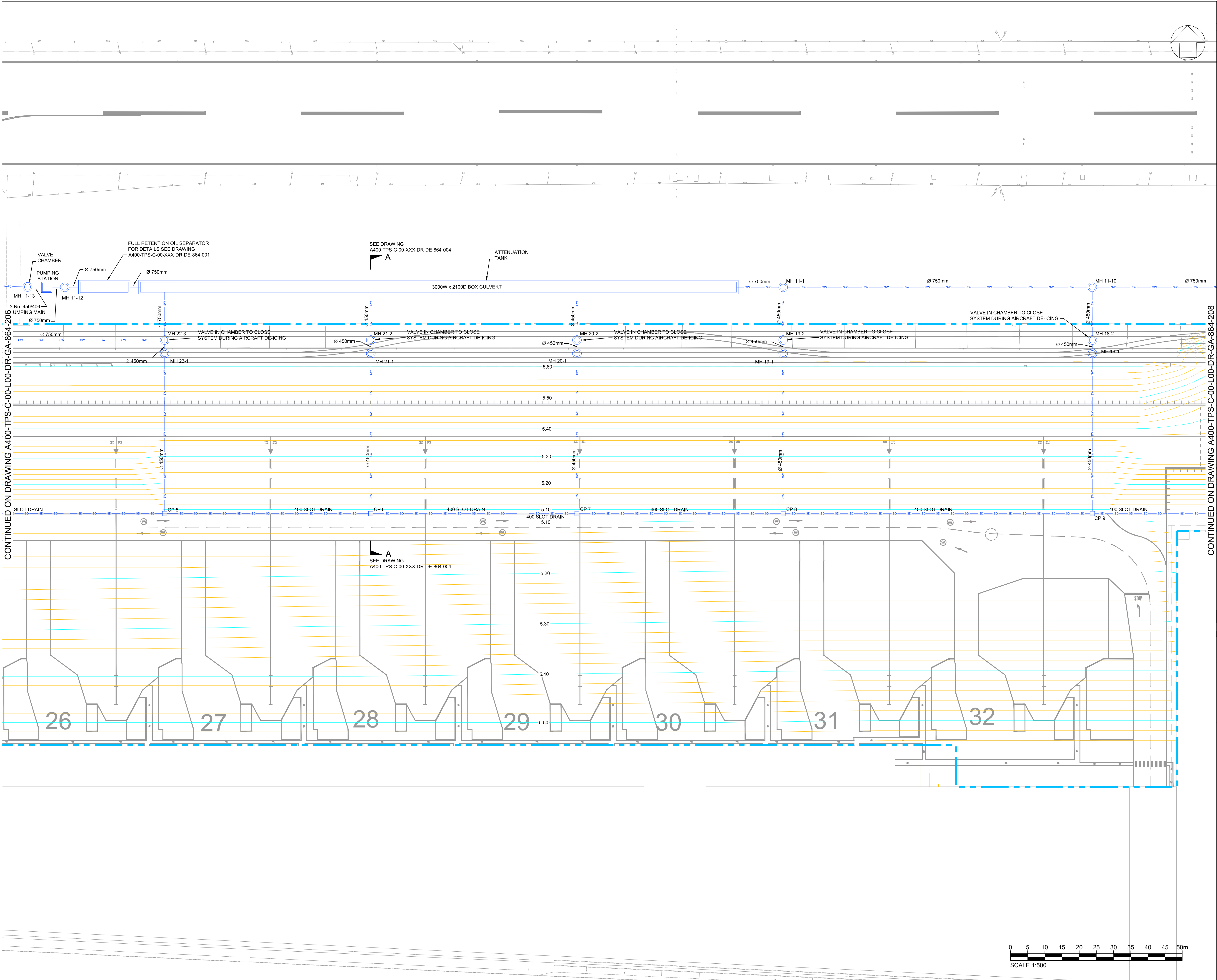
CONTINUED ON DRAWING A400-TPS-C-00-L00-DR-GA-864-207

CONTINUED ABOVE



ACAD  
PLOT SCALE





**DO NOT SCALE FROM THIS DRAWING**

Copyright in all documents and drawings prepared by TPS Consult Ltd. and in any works executed from those documents and drawings shall remain the property of TPS Consult Ltd. unless otherwise agreed at project inception.

**NOTES**

- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
- ALL LEVELS ARE IN METRES ABOVE ORDNANCE SURVEY DATUM.

**LEGEND**

- PROPOSED SURFACE WATER MAIN AND MANHOLE
- PROPOSED SURFACE WATER PUMPING MAIN
- PROPOSED SURFACE WATER SLOT DRAIN AND CATCHPIT
- PROPOSED AIRSIDE CATCHMENT AREA BOUNDARY
- EXISTING DRAINAGE PIPE TO BE DECOMMISSIONED

CONTINUED ON DRAWING A400-TPS-C-00-L00-DR-GA-864-206

CONTINUED ON DRAWING A400-TPS-C-00-L00-DR-GA-864-208

01	A.WILSON	01/11/2017	B.WYTHIE	01/11/2017
ISSUED FOR INFORMATION.				
02	Drawn By	Date	Checked By	Date

## FOR INFORMATION



Project  
**CITY AIRPORT  
DEVELOPMENT PROGRAMME**

Drawing Title  
**PROPOSED DRAINAGE LAYOUT  
COMPLETED WORKS  
SHEET 2 OF 4**

Originating Office  
TPS Croydon - Interchange  
81-85 Station Road  
Croydon  
CR0 2RD  
United Kingdom  
Tel +44 (0)1902 422431  
www.tpsconsult.co.uk  
info@tpsconsult.co.uk

Birmingham Croydon Edinburgh Sheffield Wolverhampton  
TPS Job Manager  
R.KNAPTON  
QA System - Checks  
Signature  
Date  
Drawn By: A.WILSON  
01/11/2017  
Checked: B.WYTHIE  
01/11/2017  
Authorised: S.HAWLEY  
01/11/2017

TPS Project No. 112931  
Drawing Status FOR INFORMATION  
Scale (at A1) 1:500  
Scale (at A3) 1:500

Project No. | Orig | Disc | Zone | Level | Type | Sub Type | Series | Sht. No. | Rev.  
**A400-TPS-C-00-L00-DR-GA-864-207 01**

