

IMPORTANT:
PIPES LESS THAN OR EQUAL TO 225Ø AND ARE SHALLOWER THAN 0.7m COVER HAVE BEEN DESIGNED BASED ON HEPWORTH HEPLINE OR SUPERSLEVE (PIPE CRUSHING STRENGTH 28KN/m AND 40KN/m RESPECTIVELY. SHOULD ANOTHER MANUFACTURER BE PREFERRED THEN CONFIRMATION TO BE SOUGHT FROM THEM REGARDING PROPOSED COVER DEPTHS. WHERE THESE PIPES ARE UTILISED IN SHALLOW DEPTHS TYPE S PIPE BEDDING TO BE USED.



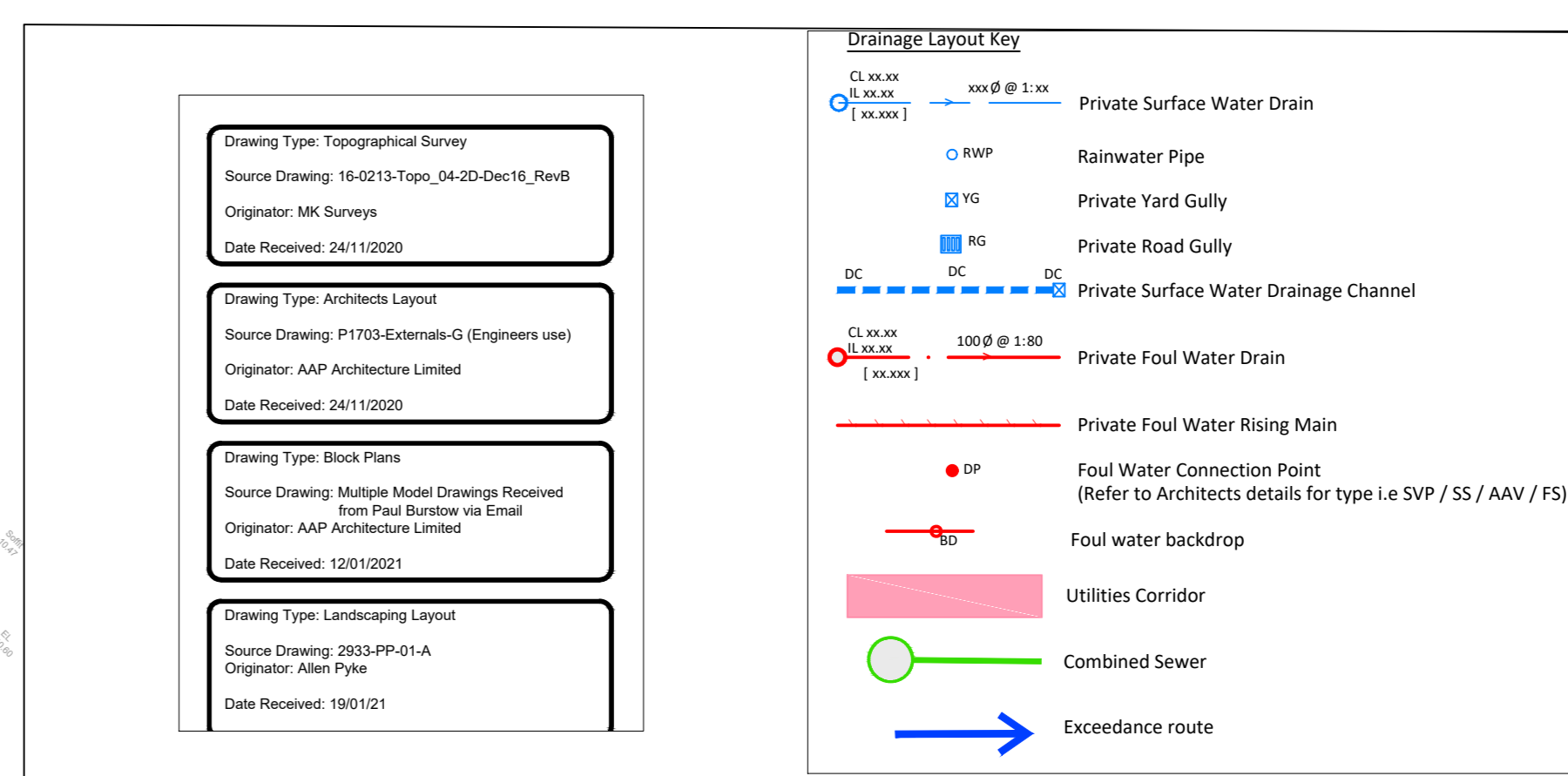
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DRAINAGE UPDATED TO SUIT THE RAISING OF FLOOD RISK AROUND THE CENTRAL GREEN AREA CONNECTION FOR WELFARE AREA ADDED & LIFTING OF FENCES BETWEEN PLOT 12 & 13

C1	SIZE OF GREEN AREA TANK REDUCED TO ACCOUNT FOR 30% CLIMATE CHANGE EXCEEDANCE ROUTES ADDED	02.02.2021	LB	DK
C2	UPDATED TO CONSTRUCTION	15.01.2021	AF/JF	LB
P1	AVOIDED UTILITIES CORRIDOR AS FAR AS POSSIBLY ADJUSTED DRAINAGE TO AVOID TREES AS FAR AS POSSIBLY. GENERALLY MADE DRAINAGE SHALLOWER. MADE CHANNEL DRAINAGE CLEARER. UPDATED TO TENDER ISSUE	23.12.2020	LB	DK
P1	FIRST ISSUE	10.12.2020	LB	DK

Rev: Notes 66 mm yyyj By Issue



- ALL PRIVATE DRAINAGE WORKS SHALL BE IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT "N" AND BRITISH STANDARD EN 752.
- PRIOR TO COMMENCEMENT OF THE WORKS THE CONTRACTOR SHALL LIASE WITH ALL RELEVANT AUTHORITIES TO OBTAIN THEIR REQUIREMENTS AND TO OBTAIN APPROVAL FOR HIS METHOD OF WORKING AND WHERE APPROPRIATE HIS INTENDED CHOICE OF MATERIALS.
- PRIOR TO COMMENCEMENT OF THE WORKS THE CONTRACTOR SHALL LIASE WITH ALL RELEVANT AUTHORITIES TO LOCATE, PROTECT AND WHERE NECESSARY DIVERT ALL EXISTING SERVICES AFFECTED BY THE WORKS.
- ALL EXCAVATIONS SHALL BE KEPT FREE OF STANDING WATER.
- THE CONTRACTOR SHALL ENSURE THE STABILITY OF ALL EXCAVATIONS IS MAINTAINED AT ALL TIMES.
- ALL WORKS IN, OR ADJACENT TO, THE PUBLIC HIGHWAY SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE HIGHWAY AUTHORITY. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY LICENSES REQUIRED TO CARRY OUT THE WORKS WITHIN THE PUBLIC HIGHWAY.
- ALL WORKS TO NEW OR EXISTING PUBLIC SEWERS SHALL BE TO THE APPROVAL OF THE WATER AUTHORITY AND IN ACCORDANCE WITH SEWERS FOR ADOPTION LATEST EDITION.
- PRIOR TO COMMENCEMENT OF THE WORKS ALL DRAINAGE OUTFALL POINTS, WHETHER EXISTING SEWER, DRAIN OR WATERCOURSE, SHALL BE VERIFIED ON SITE BY THE CONTRACTOR. IF THE OUTFALL POINT IS FOUND TO BE HIGHER OR SIGNIFICANTLY LOWER THAN SHOWN ON THE DRAWINGS THEN THE CONTRACT ADMINISTRATOR SHALL BE NOTIFIED IMMEDIATELY. SIGNIFICANT REVISION OF DRAINAGE AND LEVELS MAY BE NECESSARY. PRIOR TO COMMENCEMENT OF CONSTRUCTION ON-SITE THE CONTRACTOR SHALL INSTALL ALL OFF-SITE DRAINAGE CONNECTIONS, OR "SATISFY HIMSELF" THAT THERE ARE NO OBSTRUCTIONS OR OTHER REASONS WHY, THE DRAIN CONNECTIONS CAN NOT BE MADE.
- ALL COVER LEVELS SHOWN ON THIS DRAWING ARE APPROXIMATE. EXACT LEVELS OF NEW COVERS AND FRAMES TO BE DETERMINED ON-SITE TO MATCH LEVEL AND PROFILE OF FINISHED SURFACE.
- THE CONSTRUCTION OF ALL EXISTING CHAMBERS, GULLIES ETC. AND THE CONSTRUCTION OF ALL NEW CHAMBERS, GULLIES ETC. SHALL BE TO A TYPE SIZE AND CAPACITY SUITABLE FOR THEIR LOCATION.
- ALL CHAMBERS, GRABINGS AND FRAMES TO CHAMBERS, GULLIES, CHANNELS ETC. SHALL BE OF THE CORRECT LOAD CLASS TO SUIT THEIR LOCATION.
- LOAD CLASS A5 PEDSTRIAN AREAS (NOT ACCESSIBLE BY VEHICLES)
- LOAD CLASS B125 PRIVATE DRIVES
- LOAD CLASS C250 BACKLAYS / PARKING BAYS / LIGHTLY TRAFFICED ROADS
- LOAD CLASS D40 MAIN ROADS
GULLIES IN PEDSTRIAN AREAS TO BE DESIGNED FOR PEDESTRIAN USE.
- ALL EXISTING CHAMBERS, GULLIES CHANNELS, PIPES AND OTHER DRAINAGE APPARATUS SHALL BE PROTECTED FROM DAMAGE DURING THE WORKS. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO ENSURE THAT NO DAMAGE TO EXISTING CHAMBERS, GULLIES CHANNELS SHALL BE BROKEN OR FILLED WITH PPA GRANULAR MATERIAL.
- UNLESS NOTED OTHERWISE ALL PIPEWORK SHALL BE 150mm DIAMETER LAID TO A FALL OF 1 IN 100 OR STEEPER FOR SURFACE WATER AND 1 IN 40 OR STEEPER FOR FOULED WATER. RISE DRAINS WITH ONE OR MORE W.C. CONNECTED MAY BE LAID AT 1 IN 80 OR STEEPER. WHERE APPROPRIATE ROAD GULLY CONNECTIONS SHALL BE 150mm DIA AT 1 IN 150 OR STEEPER.
- UNLESS NOTED OTHERWISE ALL PIPEWORK SHALL BE CONSTRUCTED FROM SUPER STRENGTH VIBRATED GLASS FIBRE REINFORCED POLYESTER (SFRP) BODIED AND BACKFILLED AS PER THE MANUFACTURERS RECOMMENDATIONS AND THE ABOVE LISTED PUBLICATIONS.
- THE CONTRACTORS ATTENTION IS DRAWN TO DIAGRAMS 7 AND 8 OF THE BUILDING REGULATIONS APPROVED DOCUMENT "N" SHOWING DETAILS OF DRAINS LAID BELOW AND NEAR TO BUILDINGS. WHERE GROUND BEAMS ARE USED, THEIR LEVEL SHALL BE TO AVOID CLASHING WITH DRAIN CONNECTIONS.
- EXACT LOCATION OF GULLIES TO BE DETERMINED ON-SITE TO SUIT LOW POINTS. DRAINAGE AND LEVELS MAY BE NECESSARY. PRIOR TO COMMENCEMENT OF CONSTRUCTION ON-SITE THE CONTRACTOR SHALL INSTALL ALL OFF-SITE DRAINAGE CONNECTIONS, OR "SATISFY HIMSELF" THAT THERE ARE NO OBSTRUCTIONS OR OTHER REASONS WHY, THE DRAIN CONNECTIONS CAN NOT BE MADE.
- FOR THE EXACT LOCATION OF SOIL PIPES, SUBSTACKS, W.C.'S AND OTHER DRAINAGE CONNECTIONS REFER TO THE LARGE SCALE ARCHITECTURAL BUILDING PLANS.
- RAINWATER DOWNPIPES THAT DO NOT CONNECT DIRECTLY TO AN ACCESS POINT, SHALL BE FITTED WITH A ROOFING ACCESS.
- ALL DRAINAGE CHANNELS TO BE BY ACO OR SIMILAR AND TO BE OF A TYPE SIZE AND CAPACITY SUITABLE FOR THEIR LOCATION.
- ACCESS FITTINGS, INSPECTION CHAMBERS AND MANHOLES SHALL BE SHALL BE OF THE CORRECT LOAD CLASS TO SUIT THEIR LOCATION.
- BUILDING REGULATIONS APPROVED DOCUMENT "N" AND FROM THE MATERIALS LISTED IN TABLE 16. ACCESS POINTS, INSPECTION CHAMBERS AND MANHOLES SHALL BE CONSTRUCTED FROM PRODUCTS DESIGNATED FOR THE LOCATION IN WHICH THEY ARE TO BE USED. THEY SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS/SUPPLIERS RECOMMENDATIONS.
- PRIOR TO COMMENCEMENT OF ANY WORKS THE EXISTING DRAINAGE MUST BE TRACED TO ENSURE THAT NO LIVE CONNECTIONS REMAIN. ANY SUCH CONNECTIONS MUST BE REPORTED TO THE CONTRACT ADMINISTRATOR, PRIOR TO DIVERSION INTO THE NEW DRAINS.
- EXISTING PIPES TO BE ABANDONED SHALL BE BROKEN OUT OR FILLED WITH PPA GRANULAR MATERIAL.

SURFACE WATER MANHOLE SCHEDULE						FOUL WATER MANHOLE SCHEDULE									
MH REFERENCE	COVER LEVEL	INVERT LEVEL	DEPTH TO SOFFIT	COVER GRADE	SETTING OUT EASTINGS	SETTING OUT NORTHINGS	ADOPTABLE MANHOLE TYPE	MH REFERENCE	COVER LEVEL	INVERT LEVEL	DEPTH TO COVER SOFFIT	COVER GRADE	SETTING OUT EASTINGS	SETTING OUT NORTHINGS	ADOPTABLE MANHOLE TYPE
S1	7.88	1008.63	0.83	D400	637721.092	157215.783	TYPE 3	F1	7.51	1008.612	1.29	D400	637737.507	157220.382	TYPE 2
S2	7.34	1008.647	0.77	D400	637746.995	157190.095	TYPE 3	F2	7.56	1008.568	1.73	D400	637690.202	157272.175	TYPE 2
S3	7.61	1008.624	1.15	D400	637733.779	157202.462	TYPE 2	F4	7.20	80.640	1.53	D400	637687.874	157150.101	TYPE 2
S4	7.57	1008.616	1.32	D400	637695.609	157166.884	TYPE 2	F5	6.85	1508.531	1.39	D400	637676.406	157123.122	TYPE 2
S5	7.33	1008.591	1.12	D400	637687.956	157155.855	TYPE 2	F6	6.47	1508.509	1.23	D400	637659.689	157098.364	TYPE 2
S6	6.92	1008.577	0.85	D400	637675.240	157125.594	TYPE 2	F7	6.42	1008.527	1.00	D400	637607.590	157040.731	TYPE 2
S7	6.51	1008.531	0.75	D400	637656.982	157098.982	TYPE 3	F8	6.58	1508.517	1.24	D400	637617.423	157051.389	TYPE 2
S8	6.51	1008.525	0.81	D400	637645.400	157098.080	TYPE 3	F9	6.77	1508.492	1.20	D400	637643.351	157029.424	TYPE 2
S9	6.46	1508.501	1.00	D400	637607.319	157043.545	TYPE 3	F10	5.81	1008.446	1.05	D400	637657.546	157066.172	TYPE 2
S10	6.38	1508.488	1.00	D400	637595.179	157034.587	TYPE 3	F11	5.34	1508.441	0.78	D400	637667.884	157043.331	TYPE 2
S11	6.40	1508.488	1.48	D400	637583.487	157035.514	TYPE 3	F12	4.93	1508.350	1.28	D400	637700.009	157016.114	TYPE 2
								F13	4.83	1508.296	1.72	D400	637713.377	157008.018	TYPE 2

Construction Issue

CHARTWAY CONSTRUCTION

Project: DOVER ROAD, SANDWICH

Title: DRAINAGE LAYOUT

Scale: 1:250 @ A0 CAD File No: CON599-3200

Date: 04.12.20 Drawn: LB Issue: DK

Drawing No: CON599-3200

Revision: C3