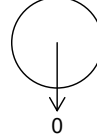
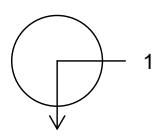
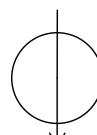
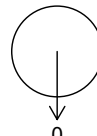
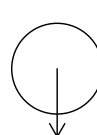
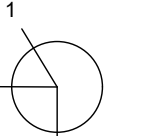
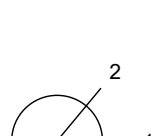
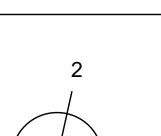
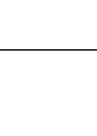
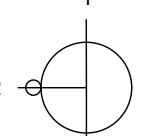
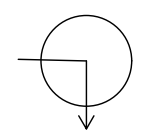
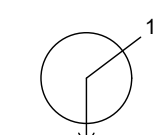
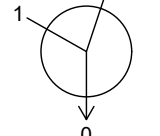
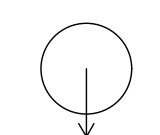
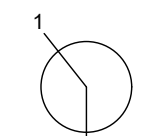
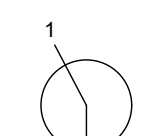
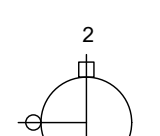
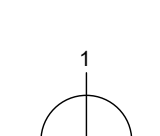
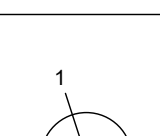
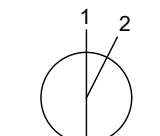
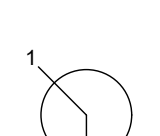
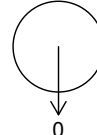
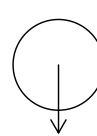
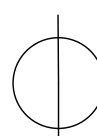
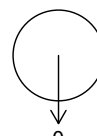
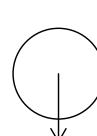
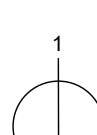
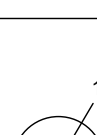


SURFACE WATER DRAINAGE MANHOLE SCHEDULE								
Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
SW01A	28.450					1500	TYPE C	1220x680 B125
E. 379550.252 N. 389649.388	1.050							
SW01	28.470		1	1.000	27.120	150	TYPE C	1220x680 B125
E. 379556.388 N. 389638.218	1.200		0	1.001	27.120	150		
SW02	28.570		1	1.001	26.670	150	PPIC	B125
E. 379595.930 N. 389659.882	1.750		0	1.002	26.670	150		
SW07	28.520					1500	TYPE C	1220x685 D400
E. 379584.058 N. 389623.608	1.195							
SW08	28.550					1500	TYPE C	1220x685 D400
E. 379599.612 N. 389626.414	1.250							
SW09	28.470		1	2.000	26.820	225	TYPE C	1220x685 D400
E. 379592.833 N. 389638.935	1.425		2	3.000	26.895	150		
SW10	28.480					1200	TYPE B	600x600 D400
E. 379637.425 N. 389653.083	1.710							
SW11	28.560					1200	TYPE B	600x600 D400
E. 379648.475 N. 389669.997	1.895							
SW12	28.590		1	2.001	26.270	225	TYPE B	600x600 D400
E. 379640.685 N. 389666.469	2.095		2	4.000	26.345	150		
SW13	28.550		1	2.003	25.880	225	TYPE B	600x600 D400
E. 379633.110 N. 389680.365	2.445		2	1.002	25.955	150		
SW03	28.420					1200	TYPE B	600x600 B125
E. 379566.667 N. 389674.194	1.750							
SW04	28.500					600	PPIC	B125
E. 379591.496 N. 389684.836	0.900							

SURFACE WATER DRAINAGE MANHOLE SCHEDULE								
Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
SW05	28.430		1	6.001	26.450	150	1200	TYPE B
E. 379563.005 N. 389642.755	1.830		2	7.000	BD: 27.380	150		
SW06	28.500		1	6.002	26.130	150	1200	TYPE B
E. 379569.537 N. 389702.474	2.220		0	6.002	26.130	150		
SW13A	28.500		1	6.003	25.920	150	1200	TYPE B
E. 379628.457 N. 389684.273	2.430		0	6.003	26.130	150		
SW14	28.340		1	1.003	25.795	225	1350	TYPE B
E. 379633.011 N. 389686.062	2.320		2	6.004	25.870	150		
SW15A	28.190					1200	TYPE B	600x600 B125
E. 379595.951 N. 389693.217	1.940							
SW15	28.280		1	8.000	25.980	150	1200	TYPE B
E. 379617.357 N. 389704.886	2.150		0	8.001	25.980	150		
SW16	28.410		1	8.001	25.750	150	1200	TYPE B
E. 379635.320 N. 389691.104	2.510		0	8.002	25.750	150		
SW17	28.340		1	1.004	BD 25.675	300	1500	TYPE A
E. 379636.916 N. 389688.191	4.140		2	8.002	25.700 HLO 27.200	150		
SW18	28.360		1	1.005	24.580	300	2100	TYPE A
E. 379638.185 N. 389685.863	4.325		0	1.005	24.580	300		
SW19	28.700		1	1.006	27.740	156	1500	TYPE C
E. 379669.846 N. 389679.830	0.735		0	1.006	27.740	156		

COMBINED WATER DRAINAGE MANHOLE SCHEDULE								
Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
CW01	28.600		1	FOUL SURFACE	27.742	150	1500	TYPE C
E. 379676.760 N. 389681.514	0.708		2		27.667	225		
CW02	28.810		1	1.000	27.585	225	1350	TYPE C
E. 379684.018 N. 389686.622	1.000		0	EX-SEWER	27.585	225		

FOUL WATER DRAINAGE MANHOLE SCHEDULE									
Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types		
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover	
FW01A	28.500		0	1.000	27.670	150	600	PPIC	B125
E. 379563.005 N. 389642.755	0.680								
FW01	28.500		1	1.000	27.575	150	600	PPIC	B125
E. 379569.537 N. 389644.869	0.775		0	1.001	27.575	150			
FW02	28.520		1	1.001	27.425	150	600	PPIC	B125
E. 379574.779 N. 389647.749	0.945		0	1.002	27.425	150			
FW03	28.580					600	PPIC	B125	
E. 379581.580 N. 389653.081	0.810								
FW04	28.580					600	PPIC	B125	
E. 379586.069 N. 389655.547	0.890								0
FW05	28.580					600	PPIC	B125	
E. 379594.111 N. 389659.964	1.230								0
FW07	28.580					600	PPIC	B125	
E. 379600.020 N. 389663.246	1.360								0
FW06	28.550		1	1.002	26.910	150	600	PPIC	B125 RECESSED TO MATCH ARCHITECTS FINISH
E. 379610.765 N. 389667.445	1.490		0	1.003	26.910	150			
FW09	28.350					600	PPIC	B125	
E. 379621.248 N. 389694.479	1.020								0
FW10	28.350		1	7.000	27.000	150	600	PPIC	B125
E. 379624.929 N. 389688.268	1.200		0	7.001	27.000	150			
FW11	AS SHOWN ON TT PUMPS SPECIFICATION DRAWING: PP/10310 COORDINATES SHOWN ON AJP DRAWING: SRP1034-AJP-ZZ-00-D-C-1000								
FW12 BREAK CHAMBER	28.600		1	1.004	27.810	79	1500	TYPE C	1220x685 D400
E. 379671.314 N. 389677.665	0.640		0	1.005	27.810	150			

GENERAL NOTES

- SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING
- ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION AND UNITED UTILITIES DETAILS & GUIDELINES
- THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARDS TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES
- THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.0m FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 0.5m FROM KERB LINES
- EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES
- ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES
- ALL MATERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS
- ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY L.A., NHBC OR THE NETWORK OPERATOR AS APPLICABLE
- WHERE "ULTRA RIB" UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADOPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND LAID IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION
- A CLASS S BED AND SURROUND MUST BE USED FOR SUCH PIPES. TRENCH BACKFILL IN HIGHWAYS TO WITHIN 1M OF HIGHWAY SHALL, AS DIRECTED BY THE HIGHWAY AUTHORITY BE A SUITABLE GRANULAR MATERIAL ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL 4.3.4
- SLAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE
- ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE
- ALL MANHOLE COVERS TO BE RECESSED TO ACCEPT FINISH AS DETAILED BY LANDSCAPE ARCHITECT
- SLOW REST BENDS TO BE USED IN ALL LOCATIONS MADE UP FROM 2No. 45 DEG BENDS (600mm TO INVERT FROM FFL)
- MANHOLE POSITIONS AND ACCESS COVERS TO BE ACCURATELY SET-OUT BY LANDSCAPE ARCHITECT TO SUIT EXTERNAL FINISHES
- ALL DRAINS CAST THROUGH FOUNDATIONS TO HAVE ROCKER PIPES ON BOTH SIDES OF FOUNDATION
- ALL POP UP POSITIONS TO BE CONFIRMED SET OUT DIMENSIONS TO BE AGREED & PROVIDED BY OTHERS
- ALL FW DISCHARGE RATES TO BE CONFIRMED BY M&E DESIGNER
- ALL SURFACE WATER COLLECTION FEATURES TO BE CONFIRMED BY THE LANDSCAPE ARCHITECT
- STORAGE HAS BEEN PROVIDED IN A CELLULAR STORAGE TANK AND UP-SIZED MANHOLES AND PIPES
- EXISTING SEWER DEPTHS HAVE BEEN APPROXIMATED FROM LIMITED INFORMATION. NEW CONNECTIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION OF ANY DRAINAGE WORKS
- LANDSCAPE ARCHITECT TO CONFIRM GULLY AND DRAINAGE CHANNEL LOCATIONS TO LANDSCAPED AREAS
- FOUL NETWORK TO BE CONFIRMED FOLLOWING CONFIRMATION OF BRANCH CONNECTION POINTS FROM BUILDING M&E DESIGNER
- CCTV SURVEY OF EXISTING SITE DRAINAGE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY WORKS STARTING ON SITE
- MINIMUM COVER TO DRAINAGE SOFFIT LEVEL & ACCESS CHAMBERS ;
LANDSCAPING TRAFFICKED AREAS HIGHWAYS
0.600m 0.900m 1.200m

CLASS 'S' BEDDING AND SURROUND TO BE USED WHERE MINIMUM COVER IS ACHIEVED.
WHERE MINIMUM COVER IS NOT ACHIEVED CLASS 'Z' BEDDING AND SURROUND (CONCRETE ENCASEMENT) IS TO BE USED

C07	19.07.2024	FW01A ADDED	JJR	JJR	PT
C06	04.07.2024	UPDATED TO SUIT INVERT LEVEL CHANGES	JJR	JCM	PT
C05	20.06.2024	UPDATED TO SUIT LATEST SITE RFTS	JJR	JCM	PT
C04	05.06.2024	UPDATED AS CLOUDED	JJR	JJR	PT
C03	24.05.2024	UPDATED AS CLOUDED	JJR	JJR	PT
C02	10.05.2024	MANHOLE SCHEDULE UPDATED TO NEW DRAINAGE STRATEGY LAYOUT & COVERS AMENDED TO ADOPTABLE STANDARD	JJR	JCM	PT
C01	26.04.2024	CONSTRUCTION ISSUE	JJR	JCM	PT
REV	DATE	DESCRIPTION	BY	CHK	APP

DRAWING STATUS:

CONSTRUCTION

CLIENT:

TILBURY DOUGLAS

ARCHITECT:

ELLIS WILLIAMS ARCHITECTS

PROJECT:

SANDILANDS COMMUNITY
PRIMARY SCHOOL

TITLE:

BELOW GROUND DRAINAGE
MANHOLE SCHEDULE

STATUS:

S3

PROJECT No:

222-171

PROJECT

SRP1034 - AJP - ZZ - 00 - D - C - 1306

ORIGINATOR

JJR

VOL/SYS/LEVEL

TYPE

ROLE

DRAWING No.

REV:

C07

SCALE @ A1:

N.T.S

DESIGNED:

JJR

DRAWN:

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