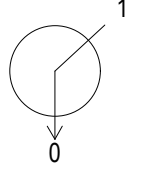
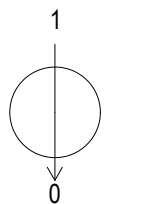
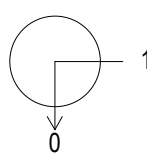
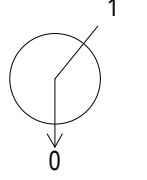
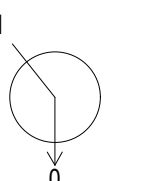
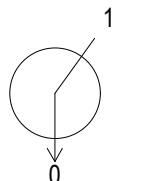
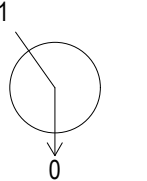
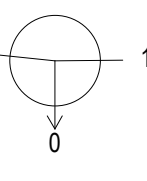
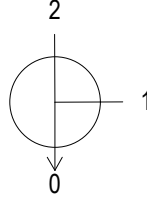
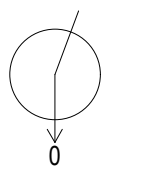
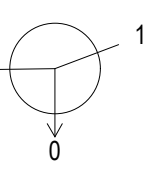
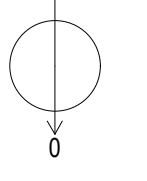


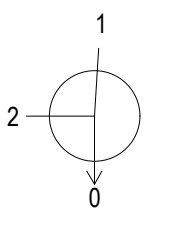
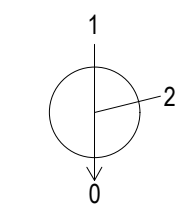
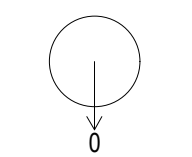
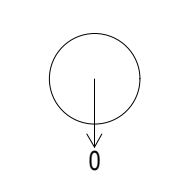
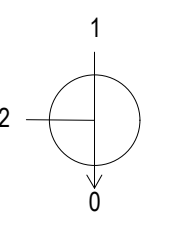
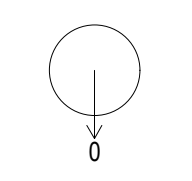
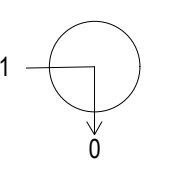
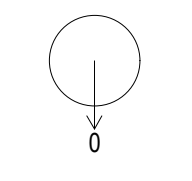
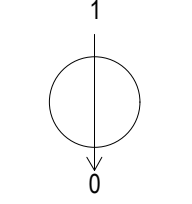
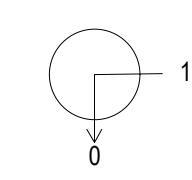
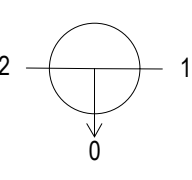
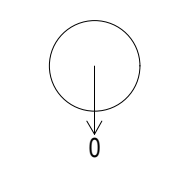
MANHOLE SCHEDULE

Sheet 1 of 3

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types		Manhole Cover Size
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover	Hole In Cover Slab Size
S1 PUMP	28.200		1	1.000	26.600	100			600x600
E. 382551.954	1.500					1200	B	D400	750x600
N. 393263.881			0	1.001	26.475	225			
S2	29.080		1	1.001	27.275	225			600x600
E. 382533.279	1.580					1200	B	D400	750x600
N. 393278.005			0	1.002	27.275	225			
S3	28.885		1	1.002	27.231	225			1220x685
E. 382525.380	1.429					1350	C	D400	1220x685
N. 393283.980			0	1.003	27.231	225			
S4	28.810		1	1.003	27.158	225			1220x685
E. 382515.442	1.427					1350	C	D400	1220x685
N. 393270.841			0	1.004	27.158	225			
S5	28.745		1	1.004	27.120	225			1220x685
E. 382515.733	1.400					1350	C	D400	1220x685
N. 393262.404			0	1.005	27.120	225			
S6	28.485		1	1.005	26.968	225			1220x685
E. 382495.275	1.292					1350	C	D400	1220x685
N. 393234.859			0	1.006	26.968	225			
S7	28.315		1	1.006	26.890	225			1220x685
E. 382495.183	1.200					1350	C	D400	1220x685
N. 393227.999			0	1.007	26.890	225			
S8	28.990		1	1.007	26.780	225			600x600
E. 382480.628	1.985		2	2.000	26.780	225			750x600
N. 393207.922			0	1.008	26.705	300			
S9	28.900		1	1.008	26.650	300			600x600
E. 382490.500	1.950		2	3.001	26.650	300			750x600
N. 393200.553			0	1.009	26.650	300			
S10 PETROL INCEPTOR	29.005		1	1.009	26.625	300			600x600
E. 382494.106	2.080					1200	B	D400	750x600
N. 393205.336			0	1.010	26.625	300			
S11	29.100		1	1.010	26.610	300			600x600
E. 382495.120	2.190		2	5.003	26.685	300			750x600
N. 393208.744			0	1.011	26.610	300			
S12 HYDROBRAKE	29.070		1	1.011	26.422	300			1220x685
E. 382491.443	2.348					1500	FLOW CONTROL	D400	1220x685
N. 393211.535			0	1.012	26.422	225			

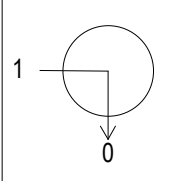
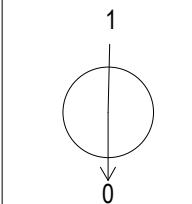
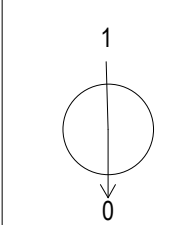
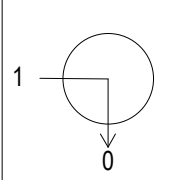
MANHOLE SCHEDULE

Sheet 2 of 3

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types		Manhole Cover Size
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover	Hole In Cover Slab Size
C13	28.450		1	1.012	26.239	225			600x600
E. 382487.863	1.980		2	1.002 (FW)	26.314	150			
N. 393214.253			0	1.013	26.239	225			
Existing UU MH	28.210		1	EXISTING (185)	25.190	1050			600x600
E. 382483.200	2.020		2	1.013	26.015	225	EXISTING	EXISTING	750x600
N. 393217.339			0	EXISTING	25.190	1050			
S15	28.400								1220x685
E. 382461.951	1.200					1350	C	D400	1220x685
N. 393187.746			0	2.000	26.975	225			
S16	29.025								600x600
E. 382467.112	1.910					1200	B	D400	750x600
N. 393169.394			0	3.000	26.815	300			
S17	29.025		1	3.000	26.677	300			600x600
E. 382486.594	2.048		2	4.001	26.677	300			750x600
N. 393195.349			0	3.001	26.677	300			
S18	29.000								600x600
E. 382507.735	1.900					1200	B	D400	750x600
N. 393193.626			0	4.000	26.800	300			
S19	29.105		1	4.000	26.752	300			600x600
E. 382500.965	2.053		2			1200	B	D400	750x600
N. 393184.405			0	4.001	26.752	300			
S20	29.065								600x450
E. 382524.133	1.200					600	D	C250	300x300
N. 393263.766			0	5.000	27.640	225			
S21	28.760		1	5.000	27.218	225			600x450
E. 382511.496	1.317					600	D	C250	300x300
N. 393246.713			0	5.001	27.218	225			
S22	28.365		1	5.001	26.852	225			600x450
E. 382494.072	1.288					600	D	C250	300x300
N. 393223.194			0	5.002	26.852	225			
S23	28.280		1	6.004	26.810	225			1220x685
E. 382501.602	1.245		2	5.002	26.810	225			1220x685
N. 393217.474			0	5.003	26.810	225			
S24	29.150								600x450
E. 382557.266	1.000					600	D	C250	300x300
N. 393262.463			0	6.000	27.925	225			

MANHOLE SCHEDULE

Sheet 3 of 3

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types		Manhole Cover Size
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover	Hole In Cover Slab Size
S25	29.150		1	6.000	27.773	225			600x450
E. 382564.467	1.152					600	D	C250	300x300
N. 393256.853			0	6.001	27.773	225			
S26	29.150		1	6.001	27.551	225			600x450
E. 382551.1590	1.374					600	D	C250	300x300
N. 393239.0680			0	6.002	27.551	225			
S27	29.150		1	6.002	27.308	225			600x450
E. 382537.1120	1.617					600	D	C250	300x300
N. 393219.3540			0	6.003	27.308	225			
S28	29.250		1	6.003	27.081	225			600x450
E. 382523.079	1.944					600	D	C250	300x300
N. 393201.364			0	6.004	27.081	225			

ALL LATERAL CONNECTIONS INTO
ADOPTABLE MANHOLES WILL BE MADE AT
SOFFIT LEVEL TO THE MAIN CHANNEL

ALL MANHOLE BENCHING TO BE TO THE DESIGN
AND CONSTRUCTION GUIDANCE WITH MIN 450mm
FROM EDGE OF STEPPING WITH AN ADDITIONAL
MIN 225mm OPPOSITE SIDE OF PIPE

ROCKER PIPES TO BE INSTALLED TO ALL MANHOLES AS PER
DESIGN AND CONSTRUCTION GUIDANCE REQUIREMENTS,
'SECTION E6.6 - RIGID PIPES AND JOINTS ADJACENT TO
STRUCTURES' AND 'TABLE E13'

ANY MANHOLES WITH THE DEPTH TO SOFFIT OF 3m OR
GREATER AND/OR IF SHALLOW MANHOLES DEPTH TO CUT
OUT RECESS OVER 3m THAN A LADDER ACCESS IS REQUIRED
INSTEAD OF DOUBLE STEPS
FOR MANHOLES WITH LADDER ACCESS; SEATING RINGS TO BE TURNED 180° TO
ENSURE 600x600 ACCESS IS MAINTAINED WITH THE INCLUSION OF A LADDER

ROCKER PIPES	
NOMINAL DIAMETER (mm)	EFFECTIVE LENGTH (m)
150-600	0.600
601-750	1.000
OVER 750	1.250

AS PER 'TABLE E13' IN THE DESIGN
AND CONSTRUCTION GUIDANCE

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 THE DESIGN AND CONSTRUCTION GUIDANCE AND WHERE APPLICABLE UNITED UTILITIES DETAILS
- 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
- DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS APPROVED DOCUMENT H. 110mm U.P.V.C. PIPES LAID TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN.

HEAD RUN	FOUL	S.W.
1 IN 40	1 IN 60	1 IN 60
ELSEWHERE	1 IN 80	1 IN 100

- ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE
- MINIMUM COVER TO DRAINAGE SOFFIT LEVEL:

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 ENCASMENT) IS TO BE USED.

- THIS DRAWING HAS BEEN BASED UPON TOPO /UTILITY/OS SURVEY INFORMATION SUPPLIED BY A THIRD PARTIES AND SCP SHALL NOT BE LIABLE FOR ANY INACCURACY OR DEFICIENCIES ARISING FROM IT.

REVISIONS

REV	DESCRIPTION	DATE	BY
A	FIRST ISSUE	18.12.24	SK

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Client Name:

LIDL

Project Title:
LIDL CHORLTON,
DETAILED DRAINAGE DESIGN

Drawing Title:
SURFACE WATER MANHOLE SCHEDULES
SHEET 1 OF 2

Date:	18.12.2024	Drawn By:	SK
Scale:	NOT TO SCALE @ A1	Checked:	IA
Status:	DESIGN	Approved:	TM

Drawing No.	Rev.
SCP-240435-0500-120	A