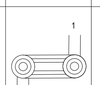
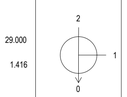
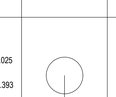
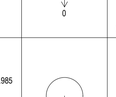
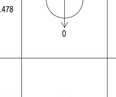
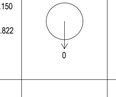
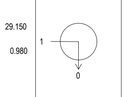
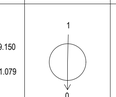
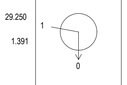
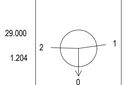
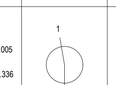
Manhole Number / Coordinates	Cover Level / Depth To Soffit	Connections	Pipe: Code	Pipe: Inverts	Pipe: Diams	Manhole Size	Types: Manhole	Types: Cover	Manhole Cover Size: Hole In Cover Slab Size
S1 PACKAGE PUMP E. 382551.954 N. 393263.881	28.200 1.275		1 1.000 0 1.001	26.825 26.700	100 225	1350	C	D400	1220x685 1220x685
S2 E. 382534.414 N. 393277.140	29.000 1.278		1 1.001 0 1.002	27.652 27.577	225 300	1350	C	D400	1220x685 1220x685
S3 E. 382525.380 N. 393283.980	28.885 1.055		1 1.002 0 1.003	27.530 27.530	300 300	1350	C	D400	1220x685 1220x685
S4 E. 382515.442 N. 393270.841	28.810 1.049		1 1.003 0 1.004	27.461 27.461	300 300	1350	C	D400	1220x685 1220x685
S5 E. 382524.407 N. 393263.542	29.065 1.352		1 1.004 0 1.005	27.413 27.263	300 450	1350	C	D400	1220x685 1220x685
S6 E. 382493.092 N. 393221.725	28.365 0.783		1 1.005 0 1.006	27.132 27.132	450 450	1350	C	D400	1220x685 1220x685
S7 E. 382495.688 N. 393207.649	29.100 1.554		1 1.006 0 1.007	27.096 27.096	450 450	1200	B	D400	600x600 750x600
S8 E. 382489.421 N. 393199.122	29.000 1.480		1 1.007 2 2.002 0 1.008	27.070 27.145 27.070	450 375 450	1500	C	D400	1220x685 1220x685
S9 E. 382501.535 N. 393189.888	29.005 1.524		1 4.000 2 1.008 0 1.009	27.181 27.032 27.032	300 450 450	1500	B	D400	600x600 750x600
S10 PETROL INCEPTOR E. 382498.427 N. 393185.811	29.050 1.681		1 1.009 0 1.010	27.019 26.919	450 450	1200	B	D400	600x600 750x600
S12 E. 382475.153 N. 393204.357	28.550 0.820		0 2.000	27.505	225	1350	C	D400	1220x685 1220x685
S13 E. 382464.211 N. 393186.049	28.500 0.865		1 2.000 0 2.001	27.410 27.335	225 300	1350	C	D400	1220x685 1220x685

Manhole Number / Coordinates	Cover Level / Depth To Soffit	Connections	Pipe: Code	Pipe: Inverts	Pipe: Diams	Manhole Size	Types: Manhole	Types: Cover	Manhole Cover Size: Hole In Cover Slab Size
S14 E. 382474.086 N. 393178.635	29.000 1.416		1 2.001 2 3.000 0 2.002	27.284 27.284 27.209	300 300 375	1350	C	D400	1220x685 1220x685
S15 E. 382467.112 N. 393169.393	29.025 1.393		0 3.000	27.332	300	1350	C	D400	1220x685 1220x685
S16 E. 382505.244 N. 393194.753	28.985 1.478		0 4.000	27.207	300	1350	C	D400	1220x685 1220x685
S17 E. 382557.265 N. 393262.462	29.150 0.822		0 5.000	28.103	225	600	D	C250	600x450 300x300
S18 E. 382564.717 N. 393256.645	29.150 0.980		1 5.000 0 5.001	27.945 27.945	225 225	600	D	C250	600x450 300x300
S19 E. 382551.359 N. 393238.887	29.150 1.079		1 5.001 0 5.002	27.846 27.846	225 225	600	D	C250	600x450 300x300
S20 E. 382537.011 N. 393219.370	29.150 1.187		1 5.002 0 5.003	27.738 27.738	225 225	600	D	C250	600x450 300x300
S21 E. 382522.790 N. 393200.860	29.250 1.391		1 5.003 0 5.004	27.634 27.634	225 225	600	D	C250	600x450 300x300
S22 E. 382516.187 N. 393204.825	29.000 1.204		1 5.004 2 6.000 0 5.005	27.571 27.571 27.571	225 225 225	1350	C	D400	1220x685 1220x685
S23 CATCHPIT E. 382500.798 N. 393183.220	29.005 1.336		1 5.005 0 5.006	27.444 27.444	225 225	1350	C	D400	1220x685 1220x685
S24 E. 382497.899 N. 393218.216	29.000 1.200		0 6.000	27.855	225	1350	C	D400	1220x685 1220x685

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

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

NOTES

1. SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
2. ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION GUIDANCE AND WHERE APPLICABLE UNITED UTILITIES DETAILS
3. THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm
4. 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
5. 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
6. EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES
7. ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES
8. 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
9. 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.
10. 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.
11. 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.
12. SLAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE
13. 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.

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

14. ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE
15. 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 ENCASEMENT) IS TO BE USED.

16. 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
B	UPDATED TO SUIT NEW DRAINAGE DESIGN	07.07.25	LC
C	UPDATED TO SUIT LATEST DRAINAGE DESIGN	08.08.25	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.:	SCP-240435-0500-120	Rev.:	C

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