Street Lighting Key

6M TUBULAR STEEL LIGHTING COLUMN WITH GLASS EPOXY ROOT TREATMENT.
COLUMN TO BE FITTED WITH 1NO. POST-MOUNTED URBIS SCHREDER AXIA 3.1 16LED OLSON SQUARE GIANT 160mA 5S/R2 FITTED WITH LUCY ZODION CRPSSSDR 10/10 SWITCHING FACTORY SET TO DIM @ 50% FROM 19:00HRS TO 07:00HRS.

5M TUBULAR STEEL LIGHTING COLUMN WITH GLASS EPOXY ROOT TREATMENT.
COLUMN TO BE FITTED WITH 1NO. POST-MOUNTED URBIS SCHREDER AXIA 3.1 16LED OLSON SQUARE GIANT 160mA 5S/R2 FITTED WITH LUCY ZODION CRPSSSDR 10/10 SWITCHING FACTORY SET TO DIM @ 50% FROM 19:00HRS TO 07:00HRS.

6M HINGED TUBULAR STEEL LIGHTING COLUMN WITH GLASS EPOXY ROOT TREATMENT
COLUMN TO BE FITTED WITH 1NO. POST-MOUNTED URBIS SCHREDER AXIA 3.1 8LED OLSON SQUARE GIANT 160mA 5S/R2 FITTED WITH LUCY ZODION CRPSSSDR 10/10 SWITCHING FACTORY SET TO DIM @ 50% FROM 19:00HRS TO 07:00HRS.

6M HINGED TUBULAR STEEL LIGHTING COLUMN WITH GLASS EPOXY ROOT TREATMENT.
COLUMN TO BE FITTED WITH 1NO. POST-MOUNTED URBIS SCHREDER AXIA 3.1 16LED OLSON SQUARE GIANT 160mA 5S/R2 FITTED WITH LUCY ZODION CRPSSSDR 10/10 SWITCHING FACTORY SET TO DIM @ 50% FROM 19:00HRS TO 07:00HRS.

EXISTING COLUMN AS PER PHASE 1 DESIGN.

LC36 COLUMN IDENTIFICATION NUMBER.

WARNING TO HOUSE-PURCHASERS
Property Madescriptions Act 1991

Buyers are warned that this is a working drawing and is not intended to be treated as descriptive material describing, in relation to any particular property or development, any of the Specified matters prescribed by any Order made under the above Act.
The contents of this drawing may be subject to change at any time and alterations and variations can occur during the progress of the works without revision of the drawing. Consequently the layout, form, content and dimensions of the finished construction may differ materially from those shown. Nor do the contents of this drawing constitute a contract, part of any contract or warranty.

ENGINEERING LAYOUT NOTES

1. All adoptable drainage works have been designed and are to be constructed in accordance with 'Sewers for Adoption, 6th Edition', and United Utilities 'Guidelines for Sewer for adoption 6th Edition'. Where specification conflicts, UU guidelines shall take presidence.

United Utilities Standard details to be used are:

ST40/19/001A	Manhole Type 1
ST40/19/002A	Manhole Type 2 and Invert Access Detail
ST40/19/003A	Shallow Manhole Detail for Small Diameter Pipes (Type 4)
ST40/19/004A	Shallow Surface Water Manhole Detail – Restricted Headroom (less than 2.0m) – For Pipe Sizes 450Dia and Above
ST40/19/005A	Flow Control Manhole Detail
ST40/19/007A	External Backdrop Detail
ST40/19/008A	Pipe Bedding Detail
ST40/19/010A	Variable Manhole – Guidance Notes
ST40/19/011A	Headwall Type 1 and Typical Outlet Grille Detail
ST40/19/012A	Typical Outfall Details Type 2 & Type 3

2. All clay pipe work shall be Extra Strength Clayware to BS 295 and BS 65 (SW pipes only).

3. All precast concrete pipework shall be to Class 120 in accordance with BS5911 Part 1, BS EN 1916 and bear the BS kitemark.

4. All adoptable drainage to be bedded in Class S granular surround unless otherwise stated.

5. All Concrete manholes and Soakaways rings, Concrete cover slabs and Con to be manufactured to BS EN 1917 and BS 5911Pat 3.

6. Rising Mains to be Black Polyethylene Pipes complying to BS EN 13244-2: Polyethylene fittings, including fusion joints, and electro-fusion fittings shall comply with BS EN 13244-2.

7. All levels relate to Ordnance Datum. Contractor to ensure that this drawing is read in conjuction with the site specific Topographical Survey provided by Barratt Manchester and the Benchmark information provided.

8. This drawing is to be read in accordance with all other relevant drawings.

9. The contractor shall be responsible for ensuring that any existing invert levels indicated on the drawings are correct before work commences.

10. All proposed connections to the sewer shall be 150# unless stated otherwise.

11. All private house drainage shall be 100# and all drag-out connections shall be 150# at a minimum gradient of 1:80 unless otherwise stated and laid in accordance with Part H of the the Building Regulations.

12. Runoff from private surfaces shall not discharge across the highway. Gullies or channels shall be provided as appropriate to prevent this.

13. Pram crossings shall be provided at the inner tangent points of all junctions.

14. Pipes shall be protected from concentrated loading by construction traffic during the construction period when insufficient cover to the pipe may make them vulnerable to damage.

15. Insitu CBR tests of the road formation level are to be carried out to determine the depth of pavement construction required. This is to be approved by the adopting authority prior to construction of the road pavements.

16. Groundworker to ensure that plot drainage be within the curtilage of the plot they serve where possible and inspection covers kept within hardstandings where possible.

17. Contractor to provide United Utilities with sufficient notice prior to commencement of Sewer works on their Inspections telephone number. Tel 0845 622 0404.

18. Contractor to obtain all necessary Highway opening notices from the relevant Local Authority, obtain approval to work on United Utilities Sewerage System, obtain approval to method statement from the Environment Agency for any works affecting a watercourse.

ENGINEERING KEY

- S1 — Adoptable S.W. Sewer & Manhole
- Silt Trap Manhole at Overflow Basins
- (10.25) — S. Water Drag-Out and Invert
- Adoptable Road Gully
- F1 — Adoptable F.W. Sewer & Manhole
- S1 — Adoptable S.W. Sewer Headwall
- 10.25 — Foul Drag-Out and Invert
- Street Name Plate

FLOW CONTROL DETAILS

MH Ref.	Specification
S110	ACO Orifice Plate to be Supplied by ACO Technologies. Tel 01462 816666. Ref: SL20190923 1No. 247mm Q-Plate-RW
S324	Crown Flow Control Device to be Supplied by Crown Water Systems. Tel 01344 886 996. Ref: 4280619 1No. 230mm QRS Type Vortex Flow Control Unit. Head=3.20m, Flow=42.4 l/s.
S414	Crown Flow Control Device to be Supplied by Crown Water Systems. Tel 01344 886 996. Ref: 4280619 1No. 192mm QRS Type Vortex Flow Control Unit. Head=2.6m, Flow=26.6 l/s.

REV	DESCRIPTION	DATE	DRAWN
U	Raised table between Road 11 & 19 removed	30.05.22	CD
T	Raised table between Road 12 & 13 revised	25.01.22	CD
S	Plots 118–159 & 194–198 revised to suit groundworks	25.10.21	CD
R	Plots 52–53 handed; Plots 118–156 revised; Plots 194–198 added	27.09.21	CD
Q	Revised to Planning Layout Rev 10	07.06.21	CD
P	S107–S109A revised; F102–F105 revised	26.10.20	CD
N	Housetypes, FFLs, and plot drainage revised to suit Planning Layout Rev 09, and new external levels (Sept 2020)	25.09.20	CD
M	SW downpipes revised to suit deep gutters	01.09.20	CD
L	Road 10 chainage revised to suit longsection; Road 10 raised table split into two, gullies and cover levels revised to suit; Street lighting revised	24.06.20	CD
K	S109–S110, F104–F105 revised, S109A & F104A added; S415 split into 2 headwalls, S508 added	27.02.20	CD
J	S501–S502 revised; Cover levels revised within raised tables; Tactiles revised	09.12.19	CD
H	Site lifted to reduce soil leaving site. FFLs and cover levels revised	01.11.19	CD
G	Easement from S201–S49 & F321–F23 added; Flow control units updated to Crown spec. & S110 revised to orifice plate; Pond water levels revised to suit new calcs; Existing sewer in Road 19 revised; S109 & F104 revised	06.09.19	CD
F	Street lighting and plot drainage added	25.06.19	CD
E	Gradients of SW network 2 revised; S403, S406 & F304 removed	17.04.19	CD
D	Updated to planning layout revision 5	04.03.19	CD
C	Full drainage and level designs revised	11.02.19	CD
B	–	–	–
A	Revised from Proposed FFL dwg to Engineering Layout	–	–

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Job: Chipping Lane, Longridge, Phases 2 & 3

Title: Engineering Layout

Design By	Date	Drawing Number	Rev
FB	15.10.18	459/ED/102	U
C.A.D By: FB	Scale @ A0: 1:500		