



LIGHTING KEY

Street lighting to be in accordance with the design approved by West Sussex County Council.

Columns
6.0m straight shaft (no outreach bracket),
Coating Amercoat
71P/PSX 700 polysiloxane and Amercoat 4560
or epoxy glass fibre
Colour as specified by the Authority

Lamp
Philips/WTL Mini Lumo post top mounted,
12-20 LED, 1.4Klm
upwards (other lumen outputs may be required
for design), Cool White,
wired for DALI control and fitted with Mayflower
six pin NEMA socket.
post-top mounted, maximum tilt 5 degrees.
Lamp is to be supplied
with manufacturers 25 year warranty.

Switch Controls
Mayflower Complete Lighting Control DALI internal
Node in each
lantern. Switching to 35/18 part night (12-5:30
off or Dimmed to 60%
light output)

CHANGE	EASTINGS	NORTHINGS
0.000	507529.999	103421.228
20.000	507511.999	103427.097
40.000	507492.272	103428.622
60.000	507472.371	103431.306
80.000	507458.008	103441.252
100.000	507447.208	103455.632
120.000	507427.543	103455.404
140.000	507418.355	103472.402
160.000	507420.162	103492.145
180.000	507419.269	103512.114
200.000	507418.227	103532.086
220.000	507417.287	103552.064
240.000	507418.338	103571.869
245.642	507419.507	103577.354

KEY:

Proposed Adoptable Sewers:

Foul sewer
Storm sewer
Highway Gully
Adoptable Lateral
(150mm dia)
Adoptable Access
Chamber

Proposed Private Drainage:

All private inspection chambers shall be
polypropylene non-access chambers in
accordance with The Building Regulations, Part H.

Chamber sizes:
Depth to invert <0.6m DN300
Depth to invert >0.6m DN475

Foul drain
Foul inspection chamber
Storm drain
Storm inspection chamber
Roding eye
Yard gully

Linear Drain
Cala Homes to advise
manufacturer

Permavoid Collector/Diffuser
Permavoid Diffuser Size 0.708x0.354x0.150thk
Permavoid Diffuser/Collector Size 0.708x0.354x0.150thk
Permavoid Collector Size 0.708x1.062x0.150thk
Permavoid Sub-base level SB78.50
Invert levels shown thus: F10.00 S10.00

Externals:
Existing Level + 15.17

Proposed Finished floor levels FFL5.000
Proposed Levels XXX.XXX

Proposed Road Levels Contours
Dropped Kerb Vehicular Crossing -
PCC BN Kerb, 25mm Face
Dropped Kerb Pedestrian Crossing -
PCC BN Kerb, Flush Face

Fall Arrows
Primary Access
Secondary Access
Tactile Paving Crossing
Corduroy Warning Paving
Stepped Cavity Tray
External Brickwork
Tanking
Retaining Wall

Construction Notes:

- Do not scale from this drawing.
- All dimensions in metres.
- All levels relate to ordnance datum.
- This drawing is based on the latest Architectural planning layout and shall be
read in conjunction with all other relevant longitudinal sections and construction
drawings.
- Any discrepancies with any of the drawings shall be reported to MJA
Consulting Engineer.
- The level and location of all existing services shall be verified on site by the
Contractor before commencing any construction work.
- Contractor must comply with all current legislation relating to CDM, Health and
Safety and COSHH.
- All material in excess of 20kg (i.e. kerbs, manhole units cover etc.) shall be
mechanically lifted and laid where possible at all times.
- Manholes, sewers, headwalls and other structures intended to convey surface
water or sewerage are to be constructed in accordance with the Water Authorities
Association Specification "Sewers for Adoption" 6th edition and the Interim Technical
Addendum No.1 (ITA) published May 2011 together with Southern Water specification
and addendum.
- All foul and storm water drains which are not to be adopted as public sewers
under a section 104 agreement shall be constructed using uPVC pipes or similar
approved, bedded and backfilled in accordance with the manufacturers instructions
and to the Building Regulations Part H, BS EN 752 & B.S.E. S01.
- All building drainage to be 100mm dia. laid at a minimum gradient of 1 in
40 where serving less than 1 WC, 1 in 80 otherwise (FW) and 1 in 80 (SW) unless
otherwise stated.
- Sewers and drains of different diameters should be laid soffit to soffit.
- Inspection chambers on private drains shall be non-access preformed
polypropylene.
Minimum size
Depth to invert
< 0.6m
DN300
> 0.6m
DN475
In accordance with the Building Regulations Part H & BS EN 752.
- Position of soil pipes, substacks, WC outlets rainwater downpipes etc positions
shall be checked against architects house type drawings to ensure compatibility.
- Where back inlet gullies are used they should be roddable.
- All stub stacks to be fitted with air admittance valve where branch drain
exceeds 12m except at head of run.
- Rainwater downpipes to be connected directly to drains via removable adapter to
permit access for rodding.
- Positions of yard and house gullies are nominal and may be adjusted on site,
see drains to be installed at the end of all drives facing towards the public highway.
All gully gratings in drives and parking areas should be of sufficient strength to
withstand vehicular loading.
- Linets or sleeves are to be provided for drains passing through foundation
brickwork.
- All gully connections to be 150 dia. uPVC ultrabla or similar.
- All gully connections other than at manholes to be "Y" junctions.
- All drain runs are to be flushed through and building materials removed where
necessary at the time of final test by Building Inspector and prior to occupation.
- All soakaways to be positioned a minimum of 5.0m from buildings (where
utilised).
- All finished floor levels are shown on the drawing for guidance only and may
need to be adjusted on site. However there is to be no deviation without prior
approval.
- All drives are to have a crossfall or gradient of 1:40 minimum. Maximum drive
gradient on down slope to be 1 in 10 and 1 in 8 on up slopes.
- Continuous edging to be laid at rear of
service margin.

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CONSTRUCTION ROAD 8A

L	22/03/17	Gullies repositioned to chainage 249 in road 2	JS
K	18/01/17	F105 to F107 gradients corrected.	HJS
J	25/10/16	Drawing renamed, levels added to layout	HJS
H	30/09/16	Pump station compound updated to latest PDAS drawing	HJS
G	28/09/16	Rising main coordinate table added	HJS
F	31/08/16	S4 - S9 amended to DN300 Pipes, S25 & S26 amended	JS
E	03/08/16	Manholes F106,F108,F109,F100,F120 position amended as per southern water comments	HJS
D	06/07/16	Updated to latest planning layout. Construction issue	HJS

REV. No.	DATE	DESCRIPTION	INITIALS
Client			
Project	West End Nursery, Angmering		
Title	Phase 1B Engineering Layout Sheet 2	Scale 1:200@A0 Checked Amc	Date March 16 Drawn HJS
Drawing No.	5356:02	Rev	L

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