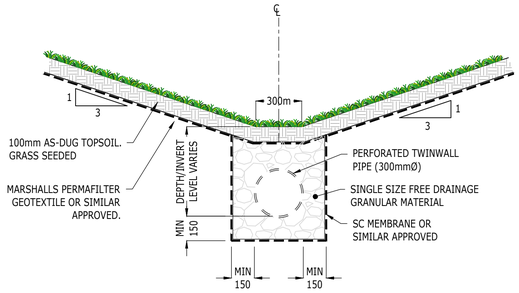
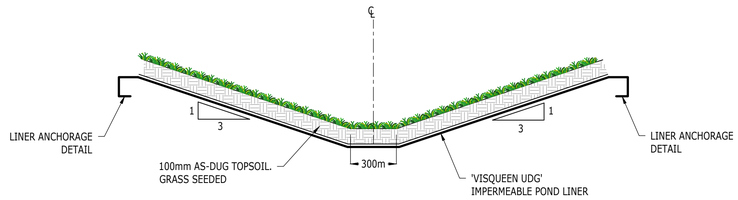


TYPICAL UNDER-DRAINED SWALE CROSS-SECTION

(1:20)

TYPICAL SWALE CROSS-SECTION (NOT LINED)

(1:20)



LINED TYPICAL SWALE CROSS-SECTION

(1:20)

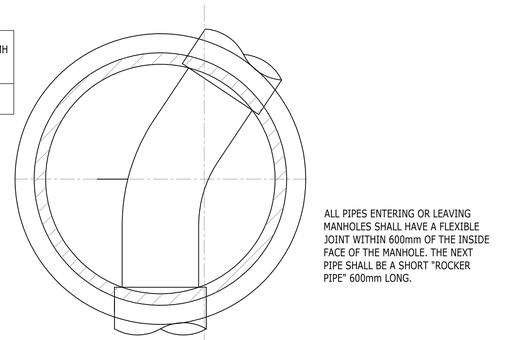
IMPORTANT NOTE:
GRASS IS TO BE FULLY STABILISED BEFORE THE SWALES ARE PUT INTO USE. THE SWALES WILL THEREFORE NEED TO BE CONSTRUCTED SUFFICIENTLY IN ADVANCE OF CONNECTING THE CONTRIBUTING PIPE NETWORK

IMPORTANT NOTE:
DEPTH OF SWALES VARY BETWEEN 0.4-0.75m. REFER TO DRAWING NUMBER 183240-001 FOR LEVELS.

SHAFT DIAMETERS

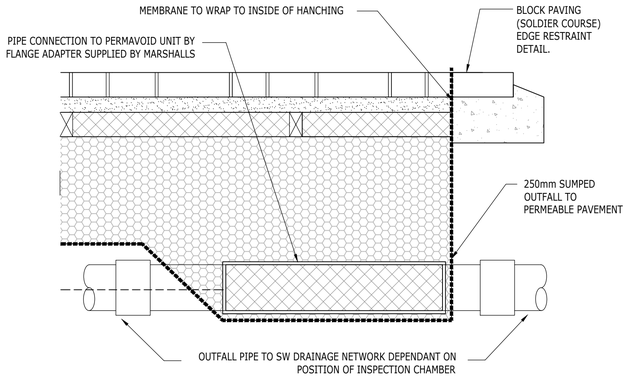
DIA OF LARGEST PIPE IN MH (mm)	INTERNAL DIA. OF MH (mm)
LESS THAN 375	1200

NOTE:
IF PIPE DIAMETER IS 375mm OR ABOVE USE 1500mm DIAMETER TYPE B.



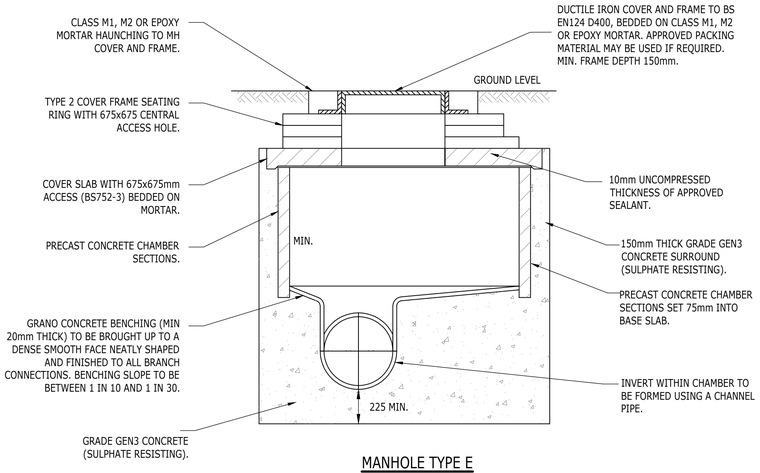
NOTES:
1. MANHOLE RINGS, SLAB AND ST 1 CONCRETE TO BE MADE USING SULPHATE RESISTING CONCRETE.
2. EXCESS EXCAVATION CONCRETE BACKFILL TO BE ST 1 CONCRETE REFER TO MANHOLE SCHEDULES FOR RING DIAMETER

PLAN



TYPICAL PERMEABLE PAVING OUTFALL PIPE DETAIL (PPO)

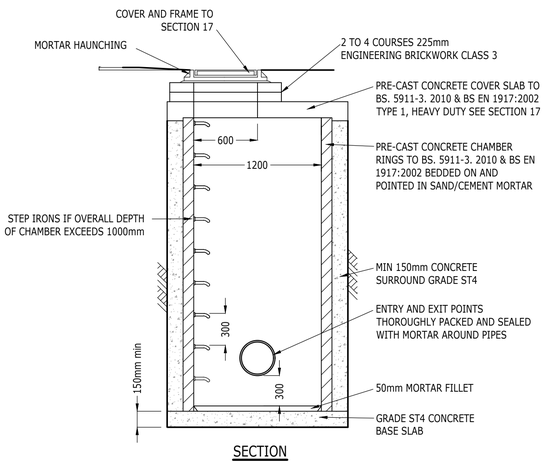
(1:10)



MANHOLE TYPE E

(DEPTH TO SOFFIT 1.00m TO 1.50m)

(1:20)



SECTION

TYPICAL CATCHPIT DETAIL

(NTS)

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
2. DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
3. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES, UNLESS OTHERWISE STATED.
4. ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
5. NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
6. ALL HIGHWAYS WORKS TO BE IN ACCORDANCE WITH WEST SUSSEX COUNTY COUNCIL DEVELOPERS CONSTRUCTION MANUAL DATED APRIL 2017.
7. ALL HIGHWAYS DRAINS AND GULLIES ARE TO BE CONSTRUCTED TO WEST SUSSEX COUNTY COUNCIL REQUIREMENTS.
8. ALL SEWERS ARE TO BE DESIGNED TO SEWERS FOR ADOPTION 6TH EDITION AND THAMES WATER REQUIREMENTS

CDM NOTES:

THE ATTENTION OF THE CLIENT, PRINCIPAL DESIGNER, PRINCIPAL CONTRACTOR, DESIGNERS AND CONTRACTORS IS DRAWN TO THE FOLLOWING POTENTIAL RISKS IN CONJUNCTION WITH THE PROPOSED ON-SITE AND OFF-SITE WORKS AS DESIGNED FOR THIS PROJECT:

- WORKS IN THE VICINITY OF LIVE SERVICES INCLUDING GAS, ELECTRICITY AND BT WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
- WORKS WITHIN AND ABUTTING THE EXISTING HIGHWAY WILL ENTAIL TRAFFIC HAZARDS AND ALL APPROPRIATE SAFETY MEASURES INCLUDING BARRIERS, SIGNS AND LIGHTING MUST BE UNDERTAKEN TO THE APPROVAL OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE DEPARTMENT.
- HAZARDOUS MATERIALS INCLUDING CEMENT AND BITUMINOUS MATERIALS ARE SPECIFIED AND THE MANUFACTURERS ADVICE ON SAFE HANDLING PROCEDURES MUST BE OBTAINED AND MADE CLEAR TO ALL OPERATIVES.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES WITHIN THE VICINITY OF THE WORKS HAND DUG AND ENSURE THESE ARE PROTECTED THROUGHOUT THE DURATION OF THE WORKS. ALL UTILITY PLANT SHOULD BE CLEARLY MARKED ON THE GROUND PRIOR TO COMMENCEMENT OF THE WORKS.
- THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.

FOR INFORMATION ONLY

Rev	Description	Drn	Chk	App	Date

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Client

LINDEN HOMES SOUTH

Project Title:

LAND EAST OF TYE LANE, WALBERTON

Drawing Title:

DRAINAGE CONSTRUCTION DETAILS (SHEET 2 OF 2)

A1 Scale	Date	Designed by
1:20	18.02.2019	JM
Drawn by	Checked by	Approved by
MJR	JM	GH

Drawing Number: 183240-014 Rev -

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user name: mike rolston

File Location: y:\ardent projects\183240 - land east of tye lane, walberton\technical\acad\drawings\183240-015-014 construction details.dwg

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