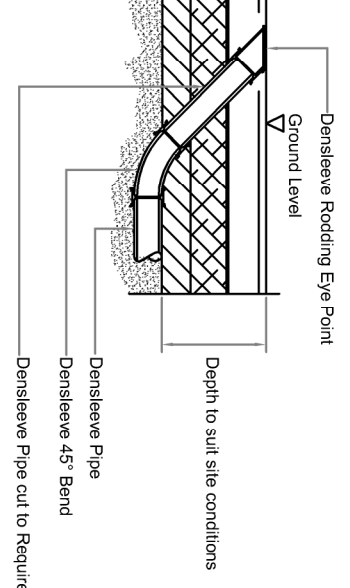
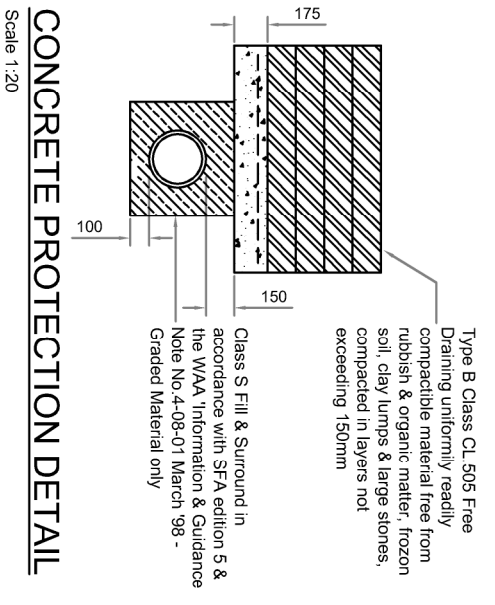


Pipe Diameter	Rocker Pipe Length
150 - 450	500 - 750
450 - 750	750 - 1000
> 750	Seek Guidance

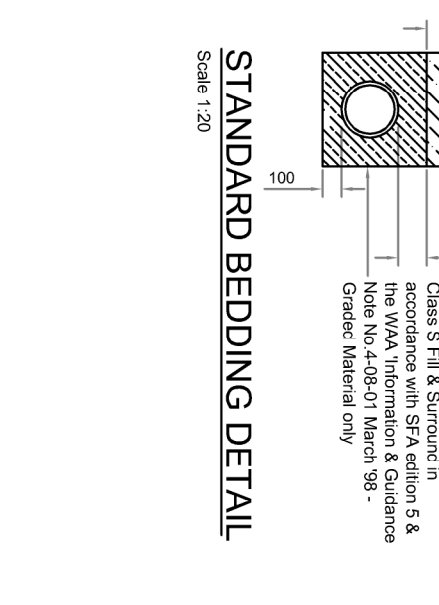
TYPICAL MANHOLE DETAILS Depth to suit Soffit 1.35 - 3.0m
Scale 1:20



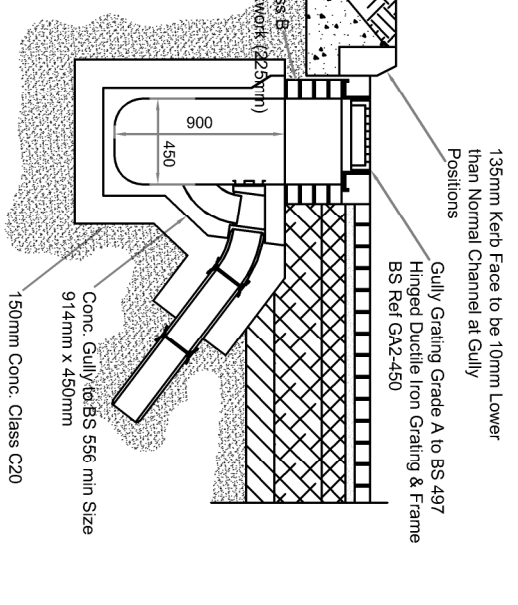
RODDING POINT DETAIL
Scale 1:20



CONCRETE PROTECTION DETAIL
Scale 1:20



STANDARD BEDDING DETAIL
Scale 1:20



TYPICAL GULLY DETAILS
Scale 1:20

Hardstanding notes:

- 1 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND BAILEY JOHNSON HAYES DRAWINGS AND SPECIFICATIONS
- 2 ALL TOPSOILS, SUBSOILS AND DELETERIOUS MATERIAL IS TO BE STRIPPED FROM BENEATH THE BUILDING ZONE FOR FORMATION LEVELS. THE EXPOSED FORMATION TO BE PROOF ROLLED WITH A TWIN WHEELED VIBRATORY ROLLER WITH A STATIC LOAD OF NOT LESS THAN 35KG/25MM WIDTH. ROLLING IS TO CONTINUE UNTIL THERE IS NO NOTICABLE DEFORMATION UNDER THE ACTION OF THE ROLLER. (MINIMUM OF 8 NO. PASSES)
- 3 ANY SOFT SPOTS ARE TO BE EXCAVATED OUT AS INSTRUCTED BY BJH AND FILLED/ROLLED WITH ACCEPTABLE SAND/GRAVEL FROM SITE EXCAVATIONS IN LAYERS NOT EXCEEDING 150MM THICK
- 4 SLABS TO BEAR UPON 1200 GAUGE VISQUEEN WHICH IS TO BE FULLY LAPPED/SEALED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS
- 5 ALL CONCRETE IS TO BE GRADE C35 TO BS8110. MIN CEMENT CONTENT 330KG/M3 OPC MAXIMUM FREE WATER CEMENT RATIO 0.6 MAXIMUM AGGREGATE SIZE 20MM + 5% AIR ENTRAINED.
- 6 THE SLAB IS TO BE LAID IN LONG BAY FASHION IN ASSOCIATION WITH THE CONCRETE SOCIETY RECOMMENDATIONS TO RECEIVE A LIGHT BRUSH FINISH
- 7 MINIMUM MESH LAPS 300MM SIDE AND ENDS. MINIMUM VISQUEEN LAP 300MM
- 8 IT IS ESSENTIAL THAT ALL TRANSVERSE JOINTS ARE CUT WITHIN 24 HOURS OF CASTING
- 9 ALL JOINTS ARE TO BE SEALED USING THIOFLEX 600 OR SIMILAR APPROVED
- 10 SLAB POURING PROGRAMME SHOULD ALLOW 72 HOURS CLEAR BETWEEN CASTING ADJACENT BAYS

Drainage notes:

- 1 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS & ENGINEERS DRAWINGS & SPECIFICATIONS.
- 2 DRAINS TO BE HERWORTH SUPERSLEEVE OR MAYLOR DENSLEEVE LAID ON CLASS N GRANULAR BEDDING TO BS 882: TABLE 4 OR TO BS 8301: 1985 APPENDIX D. CONCRETE ENCASED PIPES IDENTIFIED ON BJH DRAWINGS.
- 3 ALL TRENCHES WITHIN TRAFFICKED AREAS TO BE BACKFILLED WITH 75MM DOWNGRADED STONE FILL, PLACED & COMPACTED IN LAYERS OF 150MM. ALL PIPES IN ROADWAYS / PARKING. LESS THAN 900MM DEEP TO BE ENCASED IN CONCRETE. PROVIDE FLEXIBLE JOINTS AT 3000MM CENTRES.
- 4 MANHOLES TO BE CONSTRUCTED OF PRECAST CONCRETE RINGS TO BS 5914-PART 1. RINGS TO BE BEDDED IN SEALANT STRIPS.
- 5 MANHOLES BENEATH ROADS & PARKING AREAS TO BE CASED IN 150MM CONCRETE SURROUND.
- 6 ALL CONNECTIONS TO RAIN WATER PIPES TO BE PROVIDED WITH RODDING ACCESS.
- 7 ROAD GULLIES TO BE HERWORTH ROAD GULLIES REF: 213 WITH 150MM DIAMETER OUTLET OR SIMILAR APPROVED. GULLIES TO BE ENCASED IN 150MM MINIMUM CONCRETE.
- 8 DRAWINGS TO BE ISSUED TO NRA & LOCAL AUTHORITY WELL IN ADVANCE OF COMMENCEMENT OF DRAINAGE CONSTRUCTION.
- 9 EXISTING MANHOLES IN ROADS TO HAVE INVERT LEVELS CONFIRMED PRIOR TO DRAINAGE CONSTRUCTION.
- 10 ROADS TO BE REINSTATED TO STANDARD REQUESTED BY LOCAL AUTHORITY WHERE DRAINAGE CROSSES CARRIDGEWAY.

CONSTRUCTION

- Allow for all Soft Spots.
- Allow for all Removal if existing Hedges / Trees & Additional Construction Depth as necessary.
- All Earth Batters Remaining to be not steeper than 1 in 2.5.
- Allow for use of Terram as Necessary in softer areas.

B	11.12.17	Construction Issue
A	05.06.17	Tender Issue
<p>CLIENT: ALBION LAND (2013) LTD</p> <p>BAKEL Skimmingdish Lane, Link 9 – Bicester</p> <p>CLIENT: BAILEY JOHNSON HAYES Consulting Engineers Drainage details</p> <p>STABLAGS: Site 5, Phoenix House, 63 Cornfield Rd, ST ALBANS, Herts AL1 9PL MANCHESTER: Gange House, John Dalton St, MANCHESTER, M2 8BW</p> <p>Scale As Shown Date 01.06.17 Drawn DC</p> <p>S1340-E-02B</p>		