

CONCRETE PROTECTION DETAIL Scale 1:20 150 rubbish & organic matter, frozon soil, clay lumps & large stones, compacted in layers not exceeding 150mm Type B Class CL.505 Free Draining uniformily readily compactible material free from Class S Fill & Surround in accordance with SFA edition 5 & the WAA 'Information & Guidance Note No.4-08-01 March '98 -150 Type B Class CL 505 Free Draining uniformily readily compactible material free from rubbish & organic matter, frozon soil, clay lumps & large stones, compacted in layers not exceeding 150mm Class S Fill & Surround in accordance with SFA edition 5 & the WAA "Information & Guidance Note No.4-08-01 March '98 - Graded Material only

STANDARD BEDDING DETAIL

Hardstanding notes:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND BAILEY JOHNSON HAYES DRAWINGS AND SPECIFICATIONS
- ALL TOPSOILS, SUBSOILS AND DELETERIOUS MATERIAL IS TO BE STRIPPED FROM BENEATH THE BUILDING ZONE FOR FORMATION LEVELS. THE EXPOSED FORMATION TO BE ROLLER, (MINIMUM OF 8 NO. PASSES) WIDTH. ROLLING IS TO CONTINUE UNTIL THERE IS NO NOTICABLE DEFORMATION UNDER THE ACTION OF THE WITH A STATIC LOAD OF NOT LESS THAN 35KG/25MM PROOF ROLLED WITH A TWIN WHEELED VIBRATORY ROLLER
- LAYERS NOT EXCEEDING 150MM THICK INSTRUCTED BY BJH AND FILLED/ROLLED WITH ACCEPTABLE SAND/GRAVEL FROM SITE EXCAVATIONS IN ANY SOFT SPOTS ARE TO BE EXCAVATED OUT AS

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- SLABS TO BEAR UPON 1200 GAUGE VISQUEEN WHICH IS TO BE FULLY LAPPED/SEALED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS
- 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.

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THE SLAB IS TO BE LAID IN LONG BAY FASHION IN ASSOCIATION WITH THE CONCRETE SOCIETY RECOMMENDATIONS TO RECEIVE A LIGHT BRUSH FINISH

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- MINIMUM MESH LAPS 300MM SIDE AND ENDS: MINIMUM VISQUEEN LAP 300MM
- IT IS ESSENTIAL THAT ALL TRANSVERSE JOINTS ARE CUT WITHIN 24 HOURS OF CASTING

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- 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:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS & ENGINEERS DRAWINGS & SPECIFICATIONS.
- DRAINS TO BE HEPWORTH SUPERSLEEVE OR NAYLOR DENSLEEVE: LAID ON CLASS N GRANULAR BEDDING ON BJH DRAWINGS TO BS 882: TABLE 4 OR TO BS 8301: 1985
 APPENDIX D. CONCRETE ENCASED PIPES IDENTIFIED

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ALL TRENCHES WITHIN TRAFFICKED AREAS TO BE BACKFILLED WITH 75MM DCWNGRADED 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.

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MANHOLES TO BE CONSTRUCTED OF PRECAST CONCRETE RINGS TO BS 5911-PART 1. RINGS TO BE BEDDED IN SEALANT STRIPS.

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- MANHOLES BENEATH ROADS & PARKING AREAS TO BE CASED IN 150MM CONCRETE SURROUND.
- ALL CONNECTIONS TO RAIN WATER PIPES TO BE PROVIDED WITH RODDING ACCESS.

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- ROAD GULLIES TO BE HEPWORTH ROAD GULLIES REF: 213 WITH 150MM DIAMETER OUTLET OR SIMILAR APPROVED. GULLIES TO BE ENCASED IN 150MM MINIMUM CONCRETE.
- EXISTING MANHOLES IN ROADS TO HAVE INVERT LEVELS CONFIRMED PRIOR TO DRAINAGE

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CONSTRUCTION.

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DRAWINGS TO BE ISSUED TO NRA & LOCAL AUTHORITY WELL IN ADVANCE OF COMMENCEMENT OF DRAINAGE

ROADS TO BE REINSTATED TO STANDARD REQUESTED BY LOCAL AUTHORITY WHERE DRAINAGE CROSSES CARRIDGEWAY.

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CONSTRUCTION.

Allow for all Soft Spots

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TYPICAL

MANHOLE DETAILS Depth to suit Soffit 1.35 - 3.0m

Depth to suit site conditions

Engineering Brick Courses of Class B

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900 450

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Densleeve Rodding Eye Point

THE SAFETY POLICY OF INDIVIDUAL SEWERAGE UNDERTAKERS MAY REQUIRE A LARGER MINIMUM CLEAR OFENING INTO MANHOLES AND THE FITTING OF GUARD BARS, SAFETY CHAINS OR OTHER SAFETY DEVICES. IN MANHOLES WITH OUTGOING PIPES OF LESS THAN 600mm.

necessary. Allow for all Removal if existing Hedge Trees & Additional Construction Depth as es/

135mm Kerb Face to be 10mm Lower than Normal Channel at Gully

- All Earth Batters Remaining to be not steeper than 1 in 2.5
- Allow for use of Terram as Necessary ⋾

Gully Grating Grade A to BS 497 Hinged Ductile Iron Grating & Frame BS Ref GA2-450 150mm Conc. Class C20 to BS 556 min Size softer areas

CONSTRUCTION

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CLIENT: ALBION LAND (2013) LTD

Drainage details PLOT 2

BAILEY JOHNSON HAYES Consulting Engineers

RODDING POINT DETAIL

TYPICAL

GULLY DETAILS

914mm x 450mm

Densleeve Pipe cut to Required Length

Densleeve 45° Bend Densleeve Pipe

Suite 4,

S1345-E-02A