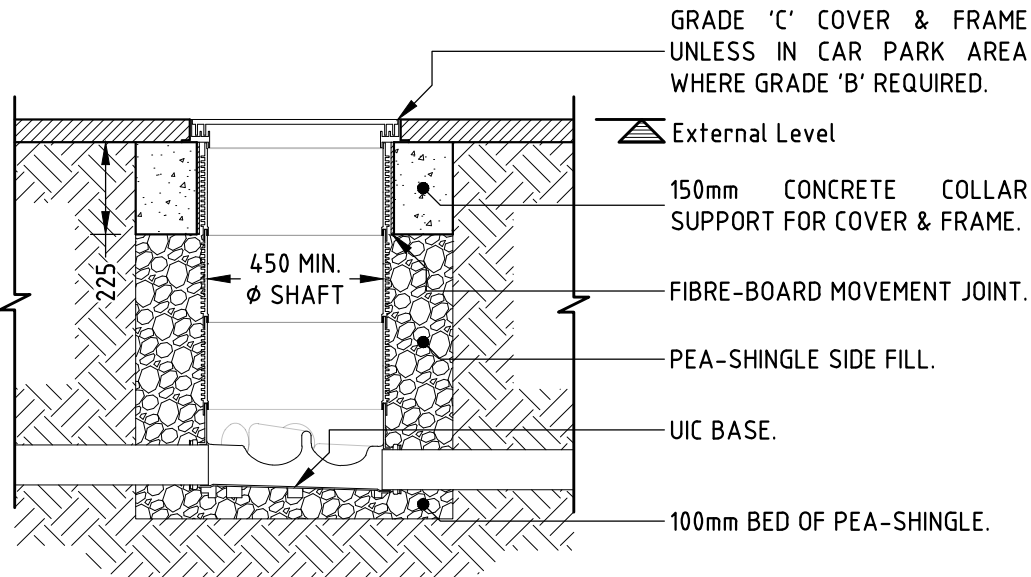


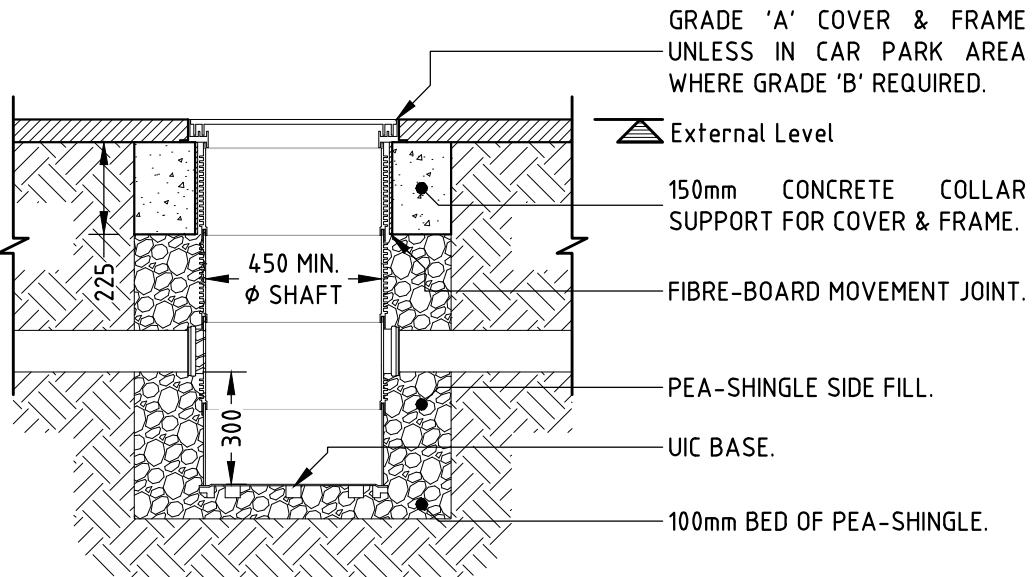
UNIVERSAL INSPECTION CHAMBER (UIC)

NOT TO SCALE



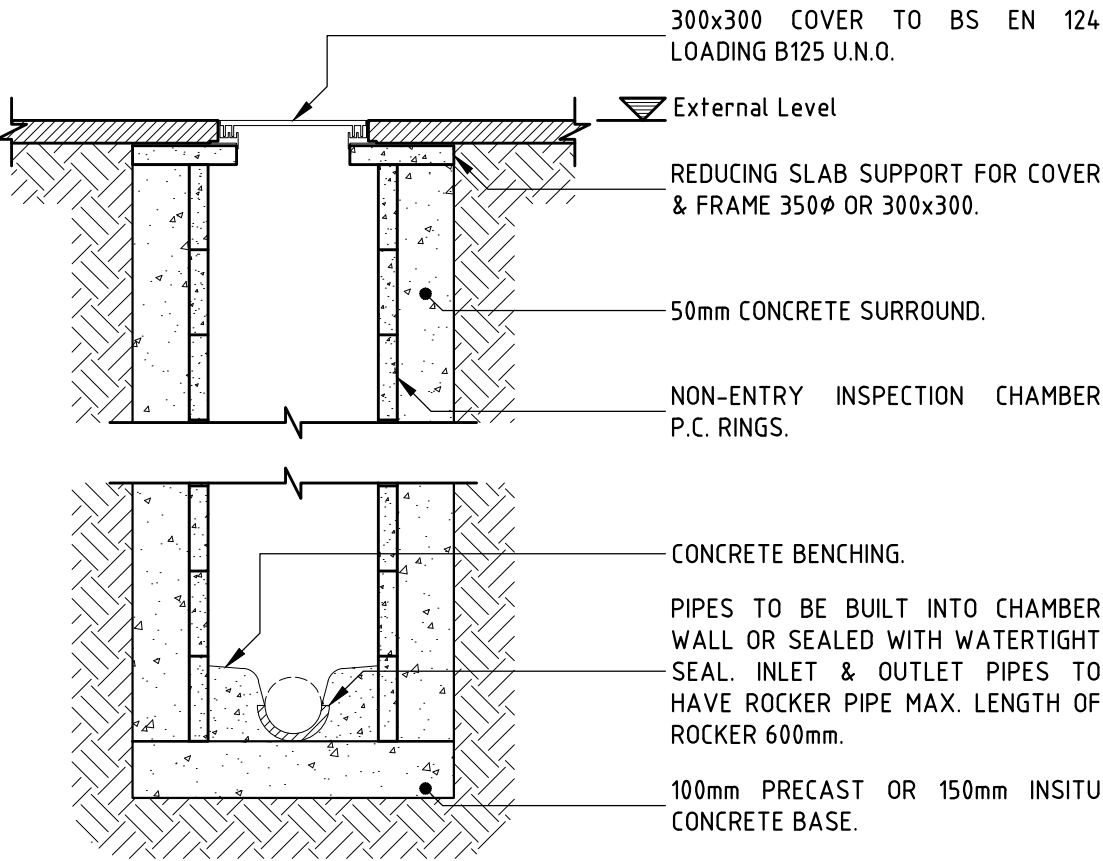
UNIVERSAL INSPECTION CHAMBER (UIC) CATCH-PIT DETAIL

NOT TO SCALE



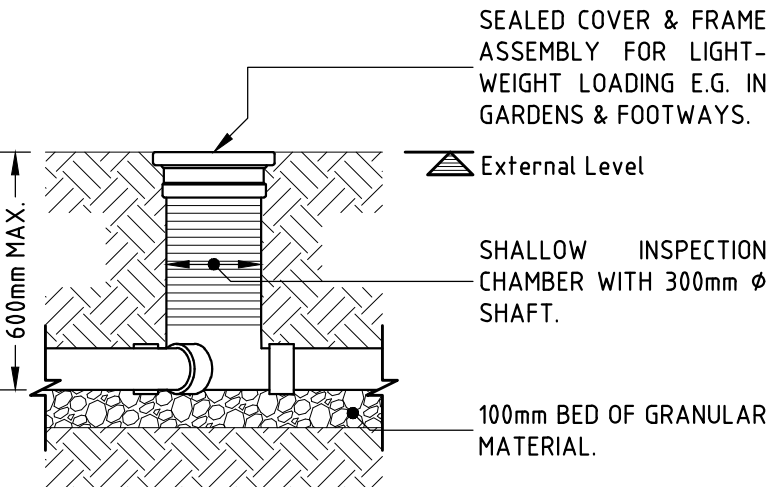
SFA7 TYPE 3 CONCRETE NON-ENTRY UNIVERSAL INSPECTION CHAMBER (NIC) DEMARCATION CHAMBER

NOT TO SCALE



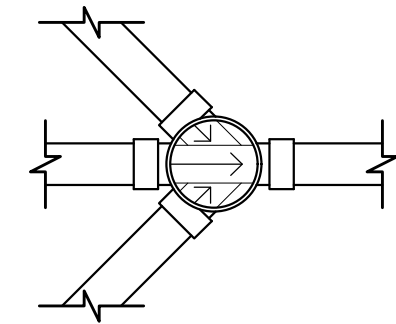
SHALLOW INSPECTION CHAMBER (SIC)

NOT TO SCALE



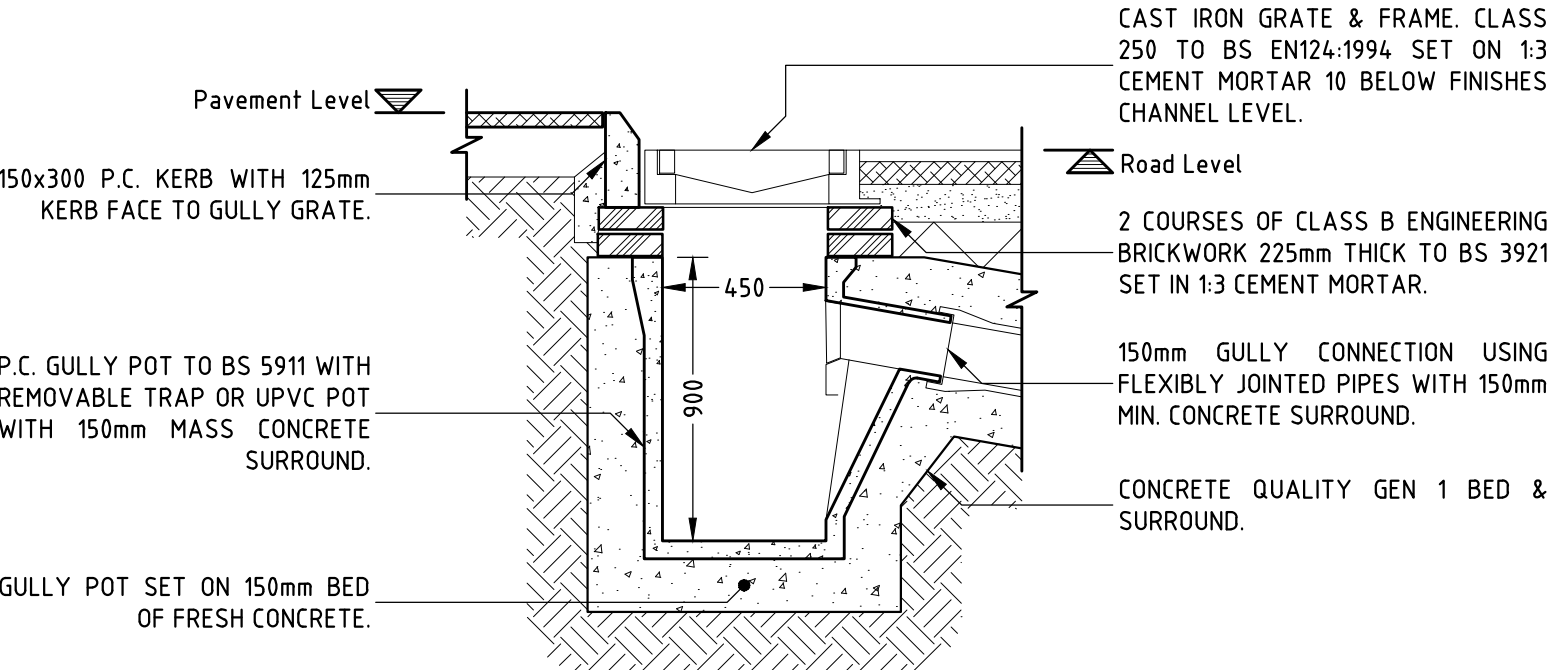
TYPICAL BASE PLAN

NOT TO SCALE



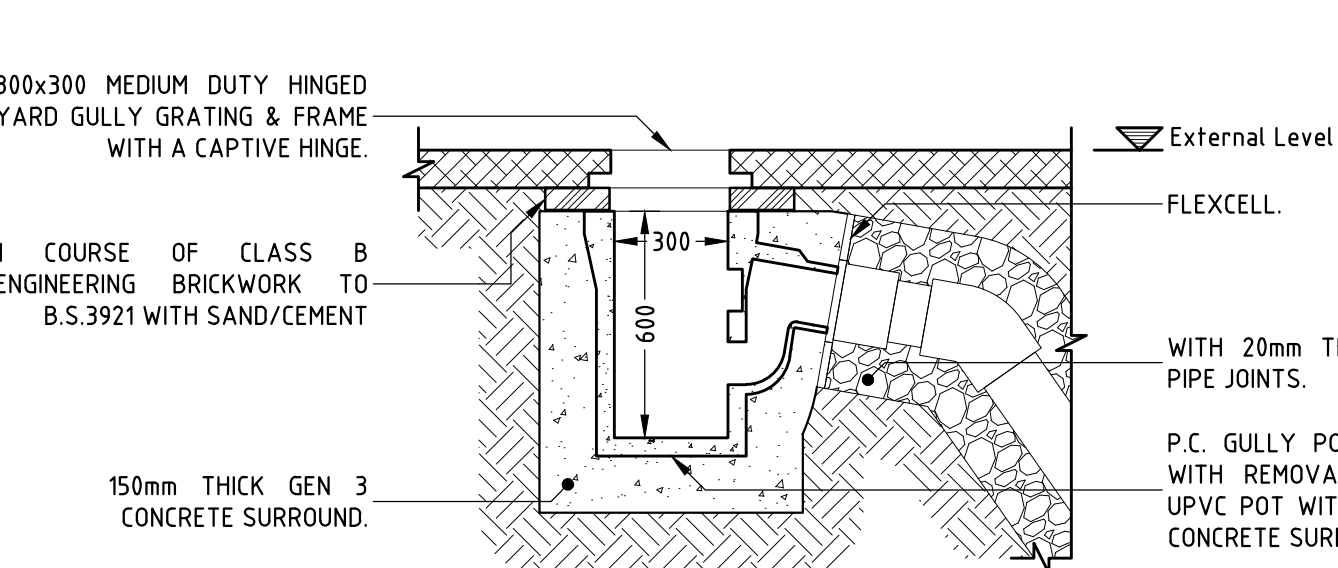
TRAPPED ROAD GULLY - HEAVY DUTY GRATE

NOT TO SCALE



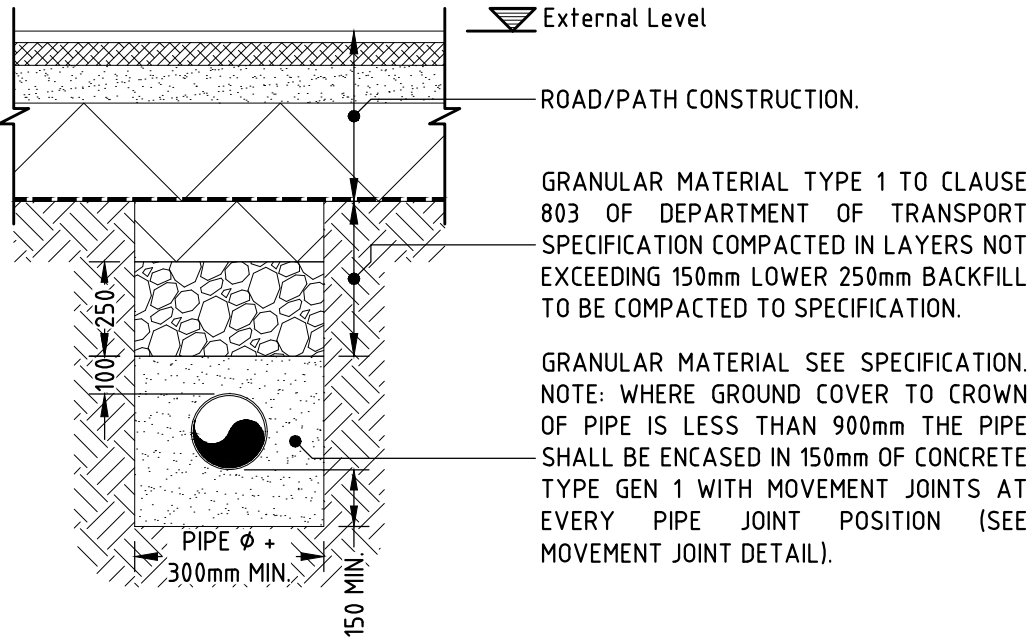
TRAPPED YARD GULLY

NOT TO SCALE



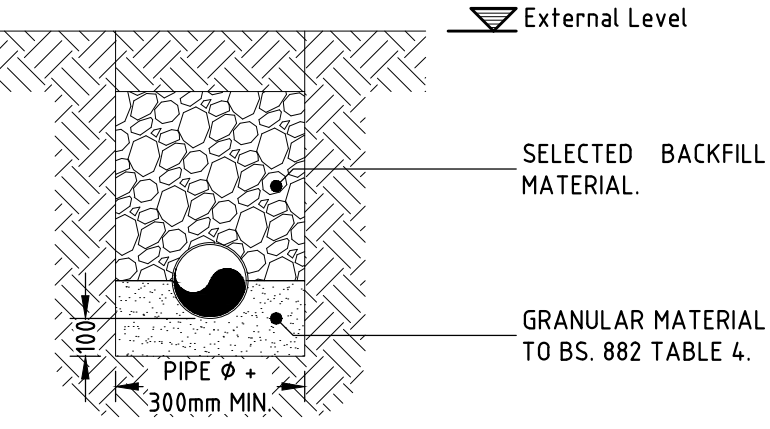
BEDDING CONSTRUCTION FOR DRAINAGE UNDER ROADS, CARPARKS & PUBLIC FOOTWAYS

NOT TO SCALE



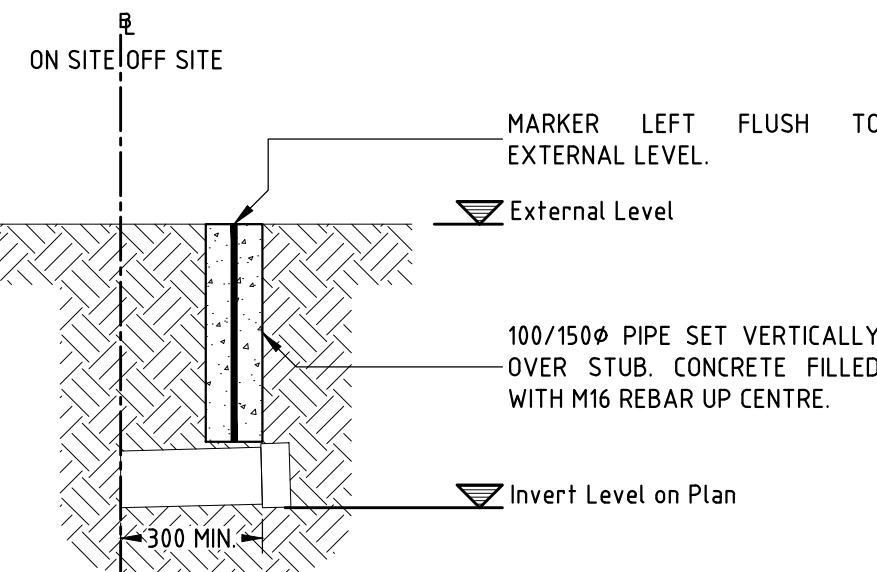
BEDDING CONSTRUCTION FOR DRAINAGE UNDER LANDSCAPING

NOT TO SCALE



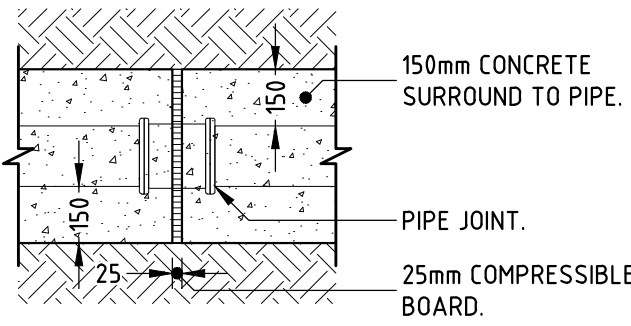
STUB DETAIL

NOT TO SCALE



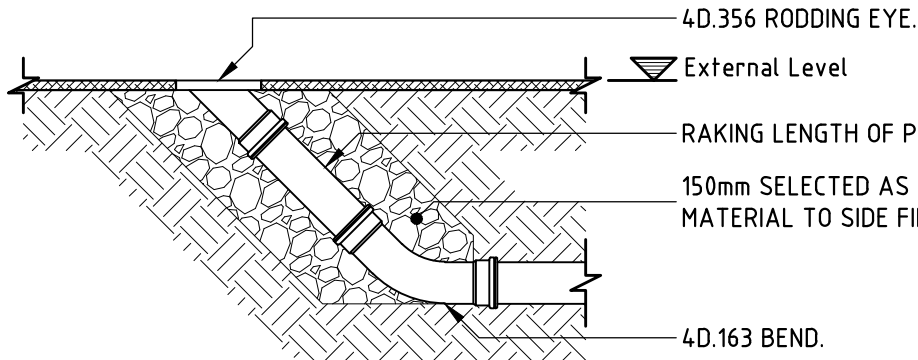
PIPE MOVEMENT JOINT WITH CONCRETE SURROUND

NOT TO SCALE



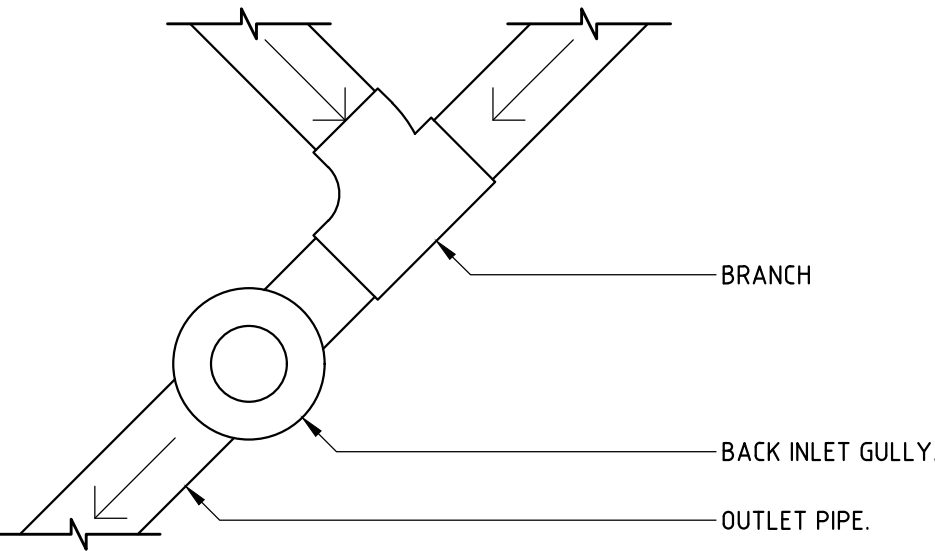
RODDING EYE DETAIL (TYPICAL)

NOT TO SCALE



BACK INLET GULLY (BIG) CONNECTION

NOT TO SCALE



GENERAL NOTES

1. UNDER THE COPYRIGHT DESIGN AND PATENTS ACT 1988 THIS DRAWING IS THE COPYRIGHT OF AMA CONSULTING ENGINEERS AND MUST NOT BE COPIED OR REPRODUCED IN WHOLE OR PART, BY ANY METHOD WHATSOEVER, WITHOUT THE PRIOR WRITTEN APPROVAL OF AMA CONSULTING ENGINEERS.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS.
3. DO NOT SCALE FROM THIS DRAWING USE FIGURED DIMENSIONS ONLY. DO NOT TAKE DIMENSIONS FROM ELECTRONIC COPIES WITHOUT REFERENCE TO AMA CONSULTING ENGINEERS IN EVERY INSTANCE.
4. ALL MATERIALS AND WORKMANSHIP ARE TO COMPLY WITH THE RELEVANT CURRENT BRITISH STANDARDS AND, WHERE REQUIRED BY THE EMPLOYER, TO NHBC STANDARDS.

DRAINAGE NOTES

NOTATION KEY

|       |                                             |
|-------|---------------------------------------------|
| UIC:  | UNIVERSAL INSPECTION CHAMBER                |
| SIC:  | SHALLOW INSPECTION CHAMBER                  |
| SVP:  | SOIL AND VENT PIPE                          |
| RWP:  | RAIN WATER PIPE                             |
| BIG:  | BACK INLET GULLY                            |
| RG:   | TRAPPED ROAD GULLY                          |
| CL:   | COVER LEVEL                                 |
| IL:   | INVERT LEVEL                                |
| SFA7: | SEWERS FOR ADOPTION 7 <sup>th</sup> EDITION |

|      |                                             |
|------|---------------------------------------------|
| ---- | FOUL WATER PIPE RUN                         |
| ●    | FOUL WATER MANHOLE OR INSPECTION CHAMBER    |
| ---- | SURFACE WATER PIPE RUN                      |
| ○    | SURFACE WATER MANHOLE OR INSPECTION CHAMBER |

SPECIFICATION

1. FOUL DRAINS ARE TO BE 100mm NOMINAL DIAMETER LAID AT A GRADIENT NOT FLATTER THAN 1/70, UNLESS NOTED OTHERWISE.
2. DRAINS ARE TO BE CONSTRUCTED USING VITRIFIED CLAY PIPES TO BS 65 WITH FLEXIBLE JOINTS BEDDED AND BACKFILLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND BS 8301 OR FLEXIBLE UPVC PIPES TO BS4660.
3. 100mm RIGID PIPES WITH LESS THAN 300mm COVER OR PIPES OF 150mm OR GREATER DIAMETER WITH LESS THAN 600mm COVER ARE TO BE SURROUNDED BY 150mm OF CONCRETE WITH MOVEMENT JOINTS PROVIDED AT EVERY PIPE JOINT.
4. FLEXIBLE PIPES WITH LESS THAN 600mm COVER ARE TO BE SURROUNDED WITH CONCRETE OR TO HAVE CONCRETE PAVING SLABS LAID AS BRIDGING ABOVE THE PIPE. PIPES UNDER BUILDINGS ARE TO BE SURROUNDED WITH MIN.100mm OF GRANULAR MATERIAL.
5. ACCESS TO DRAINS MAY PROVIDED BY VITRIFIED CLAY, GRP OR POLYPROPYLENE INSPECTION CHAMBERS TO BS 7169, OR MANHOLES CONSTRUCTED USING CLASS B ENGINEERING BRICKS TO BS 3921, OR PRECAST CONCRETE SECTIONS TO BS 5911, SURROUNDED WITH 150mm OF CONCRETE MINIMUM DIMENSIONS TO CONFORM TO TABLE 8 OF BS 8301. COVERS AND FRAMES FOR MANHOLES/INSPECTION CHAMBERS MUST COMPLY WITH THE APPROPRIATE LOADING GRADE OF BS 497 OR BS 5911.
6. GULLIES AND RAINWATER PIPES SHOULD BE PROVIDED WITH RODDABLE ACCESS.
7. ALL PIPES THAT CONNECT TO MAIN RUN DRAINAGE MANHOLES TO BE FIXED 'CROWNS ADJACENT'
8. CONCRETE BEDDING & SURROUND TO BE MIX TYPE GEN 1 TO TABLE 6 OF BS 5328-PART 2 UNLESS NOTED ON DETAILS. IF A DIFFERENT 'GEN' MIX IS SPECIFIED IT WILL BE TO THE ABOVE TABLE.
9. ALL RAIN WATER PIPES TO CONNECT INTO RODDABLE GULLIES.
10. ALL BACK INLET GULLIES TO HAVE REMOVABLE COVERS.
11. FOR MANHOLE SIZE, COVER & CONSTRUCTION REFER TO SCHEDULE.
12. FOR CONNECTIONS REFER TO SCHEDULE.

|     |              |          |
|-----|--------------|----------|
| C1  | Construction | 29/09/15 |
| REV | DETAIL       | DATE     |

Status: CONSTRUCTION

Client: Richard Morris  
(Construction) Ltd.

Project: Global Academy UTC

Title: Drainage Details Sheet 1

|              |              |      |
|--------------|--------------|------|
| Project No.: | Drawing No.: | Rev: |
| 15145        | D300         | C1   |
| Date:        | Sep 2015     |      |
| Scale:       | As Noted     |      |
| Drawn:       | JL           |      |
| Engineer:    | SK           |      |

AMA  
Consulting  
Engineers  
3 Marconi Place, London, N11 1PE  
+44(0)20 8361 6827  
www.ama.co.uk