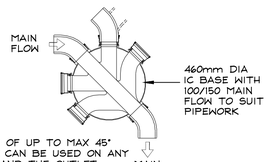


TRENCH DETAIL

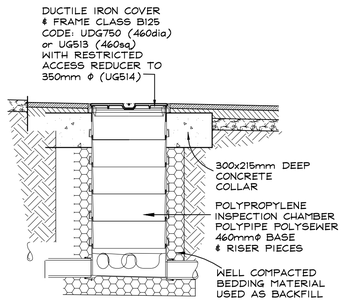
PEDESTRIAN ACCESS ONLY IN PAVED AREAS 450 MIN COVER



BENDS OF UP TO MAX 45° ANGLE CAN BE USED ON ANY INLET AND THE OUTLET

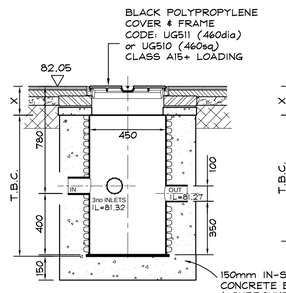
90° BEND

WHERE CHAMBERS ARE POSITIONED ON 90° CORNERS ALWAYS USE THE MAIN CHANNEL BY FITTING A 45° BEND ON INLET AND OUTLET



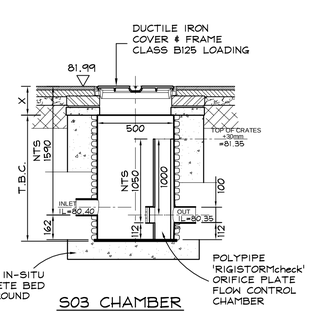
INSPECTION CHAMBER

SW01 IN PAVED AREA



S02 CHAMBER CATCH PIT DETAIL

POLYPIPE 'RIGISTORMseparate' CATCH PIT CHAMBER SILT TRAP



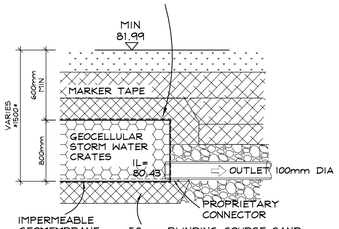
S03 CHAMBER WITH HYDRO BRAKE

S03 INSPECTION CHAMBER AND HYDROBRAKE DETAIL TO POLYPIPES DESIGN - RESTRICT FLOW TO 2.0L/s

D REV

INSTALLED IN ACCORDANCE WITH POLYPIPE SPECIFICATIONS, ALL CELLS CONNECTED WITH PROPRIETARY CONNECTORS, CRATES WRAPPED IN IMPERMEABLE GEOMEMBRANE (PV13010) WITH TAPED JOINTS, OUTLETS & INLETS AND OUTER LAYER OF POLYPIPE PROTECTION GEOTEXTILE (PERMATEX 300)

BACKFILL MATERIAL SHOULD BE PLACED & COMPACTED IN LAYERS NOT GREATER THAN 150mm. CHECKING FOR INTEGRITY & DAMAGE AS COVERING.



STORAGE TANK

PROVIDES
6x1.0x0.8= 4.8cu.m x 0.95
= 4.6cu.m

DO NOT SCALE
USE FIGURED DIMENSIONS
ANY QUERIES, PLEASE CONTACT SHARP & SCARFFE on 01943 466921

NOTES

1/. READ IN CONJUNCTION WITH SHARP & SCARFFE STRUCTURAL SPECIFICATION

2/. NOTE ALL DIMENSIONS/DETAILS OF EXISTING BUILDING DRAINAGE ARE TAKEN FROM RECORD DRAWINGS, CONTRACTOR TO CONFIRM ANY DISCREPANCIES ON SITE AT START OF WORKS

DRAINAGE

1) ALL DRAINAGE LAID IN ACCORDANCE WITH BS EN 1610 'CONSTRUCTION AND TESTING OF DRAINS AND SEWERS' AND THE BUILDING REGULATIONS APPROVED DOCUMENT PART H TO APPROVAL OF BUILDING CONTROL (INCLUDING AIR TEST)

2) ALL TESTING CARRIED OUT TO THE SATISFACTION OF THE APPROVED BUILDING INSPECTOR WITH PROVISIONAL TEST CARRIED OUT PRIOR TO BACK FILLING & SECOND SATISFACTORY TEST COMPLETED AFTER BACK-FILLING

3) ALL LEVELS ON THIS DRAWING RELATE TO AN EXISTING GROUND FLOOR LEVEL=82.13m (TAKEN FROM SURVEY OPS DRAWING FILE)

4) CONTRACTOR TO CONFIRM INVERTS & POSITIONS ALL EXISTING CHAMBERS AND DRAIN CONNECTIONS AS CORRECT ON SITE PRIOR TO STARTING EXCAVATIONS & TO MAINTAIN ALL LEVELS AND FLOWS OF THE EXISTING SYSTEM DURING THE WORKS, TAKING NOTE THAT SCHOOL DRAINAGE REMAINS LIVE DURING THE WORK

5) ALL PIPEWORK POLYPIPE UNDERGROUND (OR EQUAL) NOMINAL DIA 110mm GRAVITY SYSTEM TO BS EN 1401 & BS EN 13476-2. USE ONLY MANUFACTURER's PROPRIETARY COUPLINGS & FITTINGS AND SHALL BE INSTALLED IN LINE WITH MANUFACTURER's INSTRUCTIONS & RECOMMENDATION

7) DRAINS TO BE LAID IN 150mm CONCRETE BED + SURROUND WHERE COVER TO CROWN LESS THAN 600mm

8) ALL CONCRETE SURROUNDS TO BE C20/25-DC2 TO BS 8500-2 WITH MIN SULPHATE RESISTING PORTLAND CEMENT CONTENT 300kg/cu.m + MAX W/C RATIO 0.55

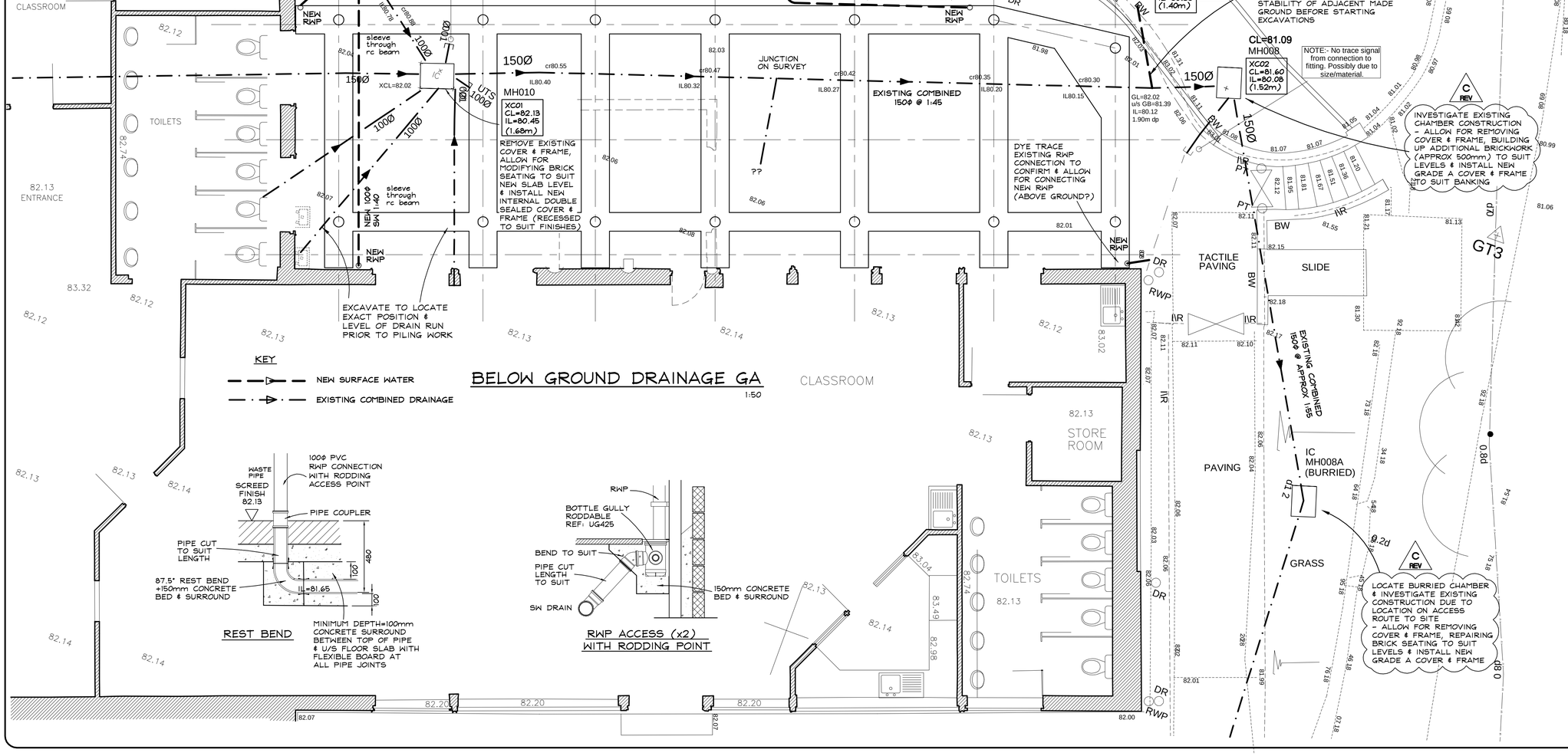
9) BACKFILL MATERIAL- AS EXCAVATED MATERIAL WHERE SUITABLE OR 6F2 MATERIAL BENEATH HARD SURFACING CONSTRUCTION

10) ALL ABOVE GROUND SVP's & rwp's TO HAVE RODDING ACCESS IMMEDIATELY ABOVE POP-UP CONNECTION

CONTRACTOR TO ALLOW FOR CARRYING OUT CCTV SURVEY OF EXISTING DRAINAGE RUN ON COMPLETION OF FOUNDATION WORKS TO VERIFY SATISFACTORY CONDITION OF PIPEWORK AND TO CARRY OUT REPAIRS IF REQUIRED

Rev.	Comment	Date
D	FLOW RESTRICTION UPDATED TO 2.0 l/s	JUNE 2021
C	LAYOUT REVISED TO SUIT PILE/BEAM & RET.WALL	06/04/2021
B	TENDER ISSUE	MARCH 2021
A	IN PROGRESS STAGE 4	JAN 2021
/	FIRST ISSUED STAGE 3	SEPT 2020

REVISION



KEY

NEW SURFACE WATER

EXISTING COMBINED DRAINAGE

BELOW GROUND DRAINAGE GA

1:50

REST BEND

MINIMUM DEPTH=100mm CONCRETE SURROUND BETWEEN TOP OF PIPE & U/S FLOOR SLAB WITH FLEXIBLE BOARD AT ALL PIPE JOINTS

RWP ACCESS (x2) WITH RODDING POINT

Sharp & Scarffe Ltd.
5A Chevin Mill • Leeds Road • Otley
West Yorkshire • LS21 1BT
Tel: 01943 466 921
Fax: 01943 468 638
e-mail: mail@sharpandscarffe.co.uk

SHARP AND SCARFFE
Civil & Structural Engineering Consultants

CLIENT: ADP ARCHITECTURE

PROJECT: CRAVENWOOD PRIMARY SCHOOL MANCHESTER

DRAWING TITLE: BELOW GROUND DRAINAGE

Scales	JOB No.	Ref:	DWG No.	REV.
1:50 1:20 @ A1	5116-01			D

Drawing Status: TENDER

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