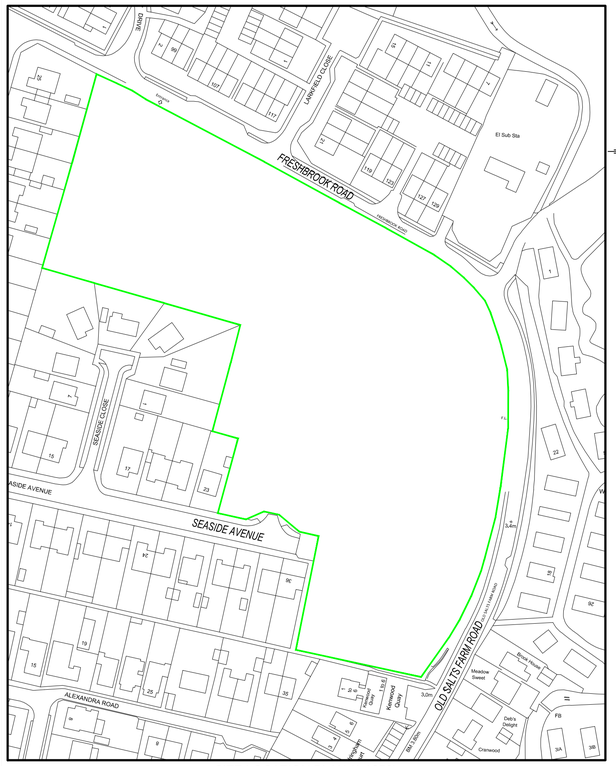


SITE LOCATION PLAN (1:1250)

N

NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER SWP DRAWINGS, AND WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATION AND ANY DISCREPANCIES FOUND ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
2. NO DIMENSIONS ARE TO BE SCALED FROM THIS DRAWING. UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE IN MILLIMETERS AND ALL LEVELS ARE IN METRES FROM THE SITE DATUM.
3. ALL DIMENSIONS TO BE CHECKED ON SITE. ALL DETAILS AND DIMENSIONS RELATING TO SUB-CONTRACTORS WORK MUST BE CHECKED AND AGREED BETWEEN THE SUB-CONTRACTOR OR SUPPLIER AND THE GENERAL CONTRACTOR.
4. THE ELECTRONIC INFORMATION FROM THIS DRAWING CAN NOT BE GUARANTEED AS DIMENSIONALLY DRAWN EXACT. FIGURED DIMENSIONS MUST BE USED FOR SETTING OUT AND DETAILING. SWP LOGOS AND COMPANY INFORMATION MUST BE REMOVED FROM COPIES IF INFORMATION IS RE-USED.
5. THE MAIN CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF ALL TEMPORARY WORKS, AND IS ALSO RESPONSIBLE FOR THE SAFE MAINTENANCE AND STABILITY OF EXISTING BUILDINGS AT ALL TIMES.
6. THE MAIN CONTRACTOR IS RESPONSIBLE FOR ALL OCCURRENCES OF GROUND WATER DURING THE CONSTRUCTION PERIOD.
7. ANY INFORMATION GIVEN REGARDING EXISTING UNDERGROUND SERVICES IS GIVEN IN GOOD FAITH AFTER CONSULTATION WITH THE RELEVANT AUTHORITY, HOWEVER ACCURACY IS NOT CERTAIN. THE MAIN CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL INFORMATION ON SITE PRIOR TO WORK COMMENCING AND TAKING DUE CARE AND ATTENTION WHILST UNDERTAKING THE WORKS.
8. THE CONTRACTOR MUST COMPLY WITH ALL CURRENT LEGISLATION RELATING TO HEALTH & SAFETY.
9. ALL PRODUCTS SPECIFIED SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND INSTRUCTIONS. IF THERE ARE DISCREPANCIES BETWEEN THAT INFORMATION AND THE DETAILS ON ANY SWP DRAWINGS, THE MANUFACTURERS INSTRUCTIONS MUST BE USED.

DRAINAGE NOTES:

1. ALL ADOPTABLE DRAINAGE WORKS TO BE CONSTRUCTED IN STRICT ACCORDANCE SEWERS FOR ADOPTION 7th EDITION.
2. ALL PIPE RUNS NEAR BUILDINGS TO COMPLY WITH THE BUILDING REGULATIONS 2002 PART H1. WHERE A PIPE IS WITHIN 1m OF A FOUNDATION THE TRENCH SHALL BE FILLED WITH CLASS GEN3 CONCRETE UP TO THE LOWEST LEVEL OF THE FOUNDATION. WHERE THE TRENCH IS FURTHER THAN 1m FROM THE FOUNDATION, THE TRENCH SHALL BE FILLED WITH CLASS GEN3 CONCRETE TO A LEVEL BELOW THE LOWEST LEVEL FOR THE FOUNDATION EQUAL TO THE DISTANCE FROM THE FOUNDATION LESS 150mm. IN BOTH CASES THE PIPE SHALL BE BEDDED AND SURROUNDED IN 150mm THICK CLASS GEN3 CONCRETE.
3. WHERE A PIPE, UNDER A VEHICULAR AREA, HAS A DEPTH OF COVER OF LESS THAN 0.9m THE PIPE SHALL BE LAID WITH A CONCRETE BED AND SURROUND.
4. IN ANY CIRCUMSTANCES WHERE PIPES ARE BEDDED AND SURROUNDED IN CONCRETE FLEXIBLE JOINTS SHOULD BE PROVIDED. COMPRESSIBLE BOARDS (FIBREBOARD OR POLYSTYRENE) SHALL BE PROVIDED AT A MAXIMUM OF 6m CENTRES (COINCIDING WITH PIPE JOINTS). THE BOARDS SHALL BE PRE-CUT TO PIPE DIAMETER AND TO A HEIGHT AND WIDTH EQUAL TO THE CONCRETE CROSS SECTION. A BOARD THICKNESS OF 18mm FOR PIPES UP TO 450mm NOMINAL DIAMETER AND 36mm FOR PIPES OVER 450mm NOMINAL DIAMETER.
5. ALL PIPES, BENDS AND JUNCTION MATERIALS FOR ADOPTABLE DRAINAGE SHALL BE VITRIFIED CLAY, EXTRA STRENGTH OR SUPER STRENGTH TO BSEN295, WITH FLEXIBLE JOINTS AND KITEMARK CERTIFIED. ALL PIPES OVER 300mm DIAMETER ARE TO BE PRECAST CONCRETE IN ACCORDANCE WITH BS 5911.
6. ALL CONNECTIONS TO BE SOFFIT TO SOFFIT UNLESS OTHERWISE NOTED.
7. ALL CONCRETE AND CONCRETE PRODUCTS TO BE IN ACCORDANCE WITH BRE 363 FOR SULPHATES.
8. BEFORE CONNECTIONS ARE MADE TO EXISTING PUBLIC SEWERS AN APPLICATION UNDER S106 MUST BE MADE TO SOUTHERN WATER AND THE CONTRACTOR UNDERTAKING THE WORKS MUST COMPLY WITH CONDITIONS APPLIED TO THE CONSENT.
10. THE PRECISE DEPTH AND LOCATION AND SIZE OF EXISTING PIPES OR MANHOLES WHERE CONNECTIONS OR DIVERSION ARE PROPOSED MUST BE CONFIRMED AND REPORTED TO THE ENGINEER AT THE EARLIEST OPPORTUNITY PRIOR TO LAYING ANY NEW DRAINAGE.
11. COVER LEVELS SHOWN ARE APPROXIMATE AND SHALL TO BE ADJUSTED ON SITE TO SUIT FINAL LEVELS.

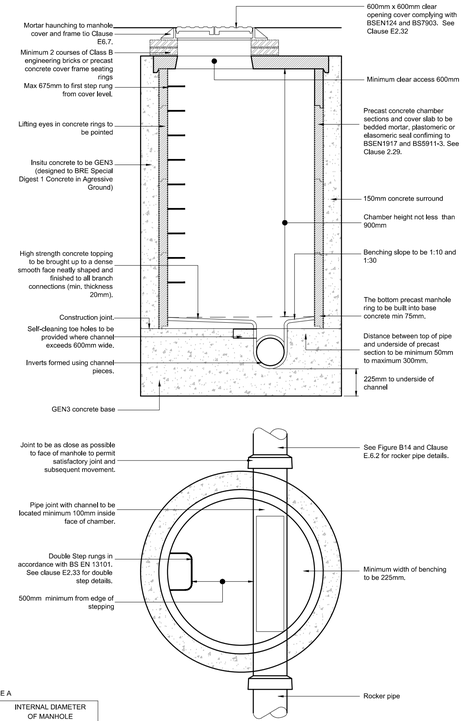
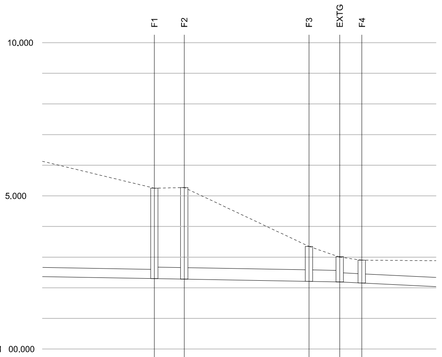


TABLE A

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)
<375	1200
375 - 700	1500
750 - 900	1800
>900	CONSULT UNDERTAKER

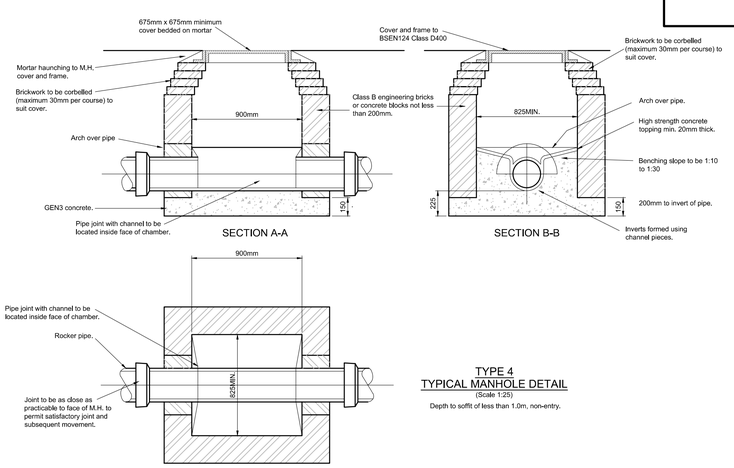
TYPICAL MANHOLE DETAIL - TYPE 2
Maximum depth from cover level to pipe soffit 3.0m
(Scale 1:20)



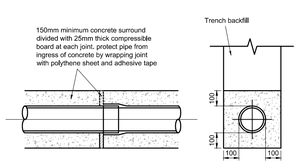
F1 - F4

FOULWATER COVER LEVEL	5.250	5.270		3.35	3.02	2.90	
FOULWATER INVERT	2.30 (TBC)	2.30 (TBC)	2.295 (TBC)	2.295 (TBC)	2.275	2.275	2.27	2.265	2.265
FOULWATER DETAILS	Dia 300 (EX)	Dia 300 Circular VC 1 in 1009	Dia 300 Circular Ductile Iron 1 in 1009		Dia 300 Circular VC 1 in 1009	Dia 300 (EX)	Dia 300 (EX)
FOULWATER LENGTHS		5.18	20.95		5.02	3.60	
		CONC BED & SURROUND					SURROUND

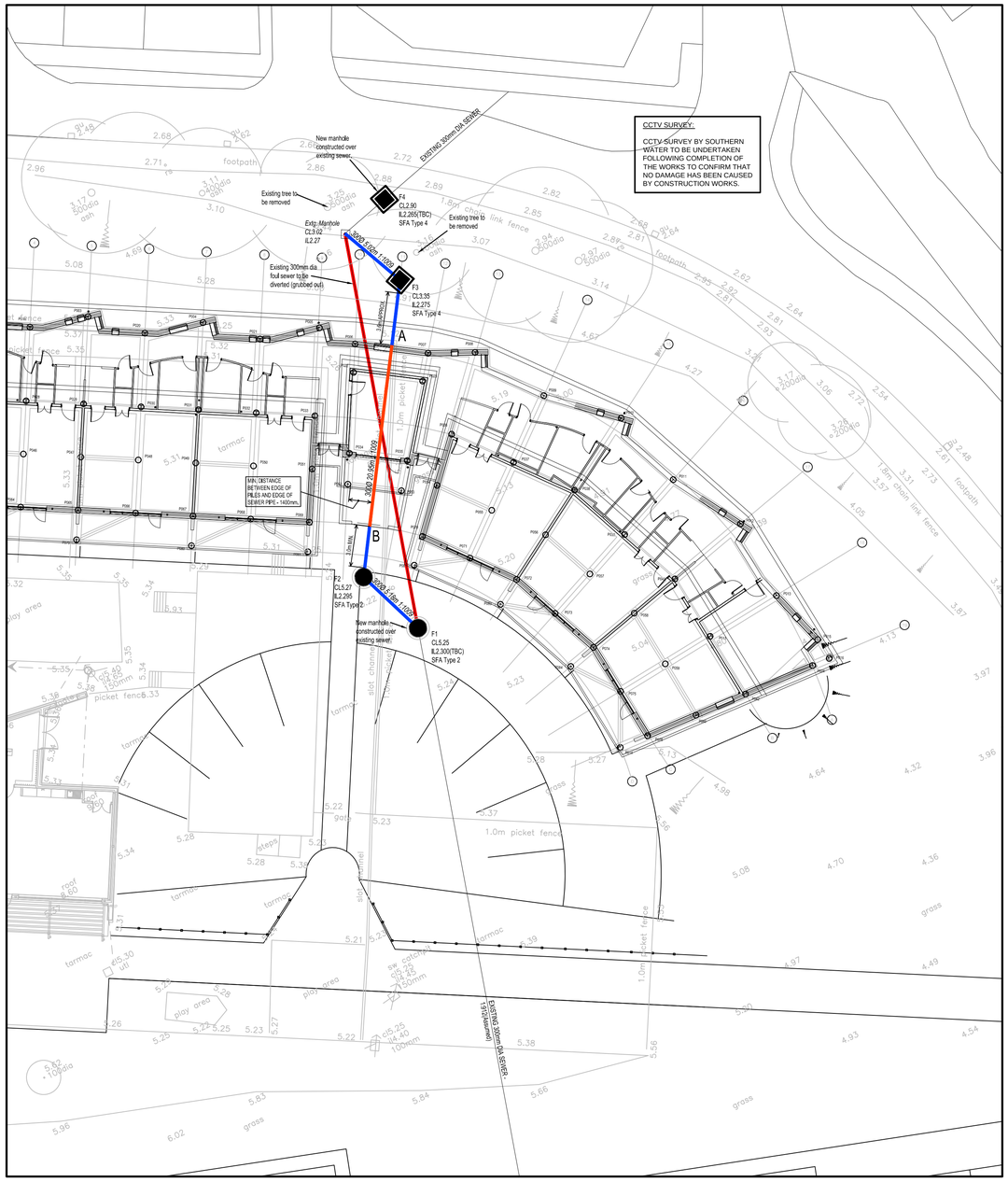
SCALE 1:500h 1:100v



TYPE 4
TYPICAL MANHOLE DETAIL
(Scale 1:25)
Depth to soffit of less than 1.0m, non-entry.



CONCRETE BED AND SURROUND TO PIPES
(Scale 1:25)



SEWER DIVERSION PLAN (1:200)

REV.	DATE	DESCRIPTION
E	22/10/13	ADDITIONAL DIMENSIONS ADDED.
D	22/10/13	SEWER DIVERSION DETAILS REVISED TO SUIT SOUTHERN WATER LETTER SWS-SUSXW-BO-001314
C	26/09/13	DETAILS ADDED.
B	25/09/13	SEWER DIVERSION AMENDED TO A BUILD OVER AGREEMENT.
A	10/09/13	SEWER DIVERSION AMENDED TO SUIT SITE CONDITIONS.

FOR APPROVAL

CLIENT: SUNNINGHILL CONSTRUCTION

ARCHITECT: BURNS GUTHRIE

JOB TITLE: SEASIDE SCHOOL LANCING

DRAWING TITLE: FOUL SEWER BUILD OVER & DIVERSION AGREEMENT DRAWING

SCALE AT A1: AS SHOWN | DATE: SEPT 13 | ENG.: LF | DRAWN: LF | CHECKED: -

STEPHEN WILSON PARTNERSHIP LTD.
CONSULTING STRUCTURAL & CIVIL ENGINEERS
99, South Street, Eastbourne, Sussex, BN21 4LU
Telephone: 01323 412020. Facsimile: 01323 432129
E.Mail: info@swpeast.co.uk

JOB No. E5802 | DRAWING No. 300 | REV. E