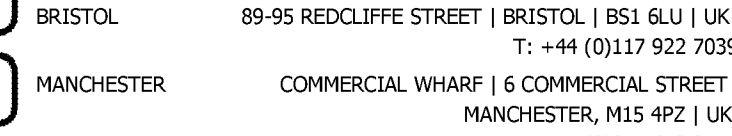
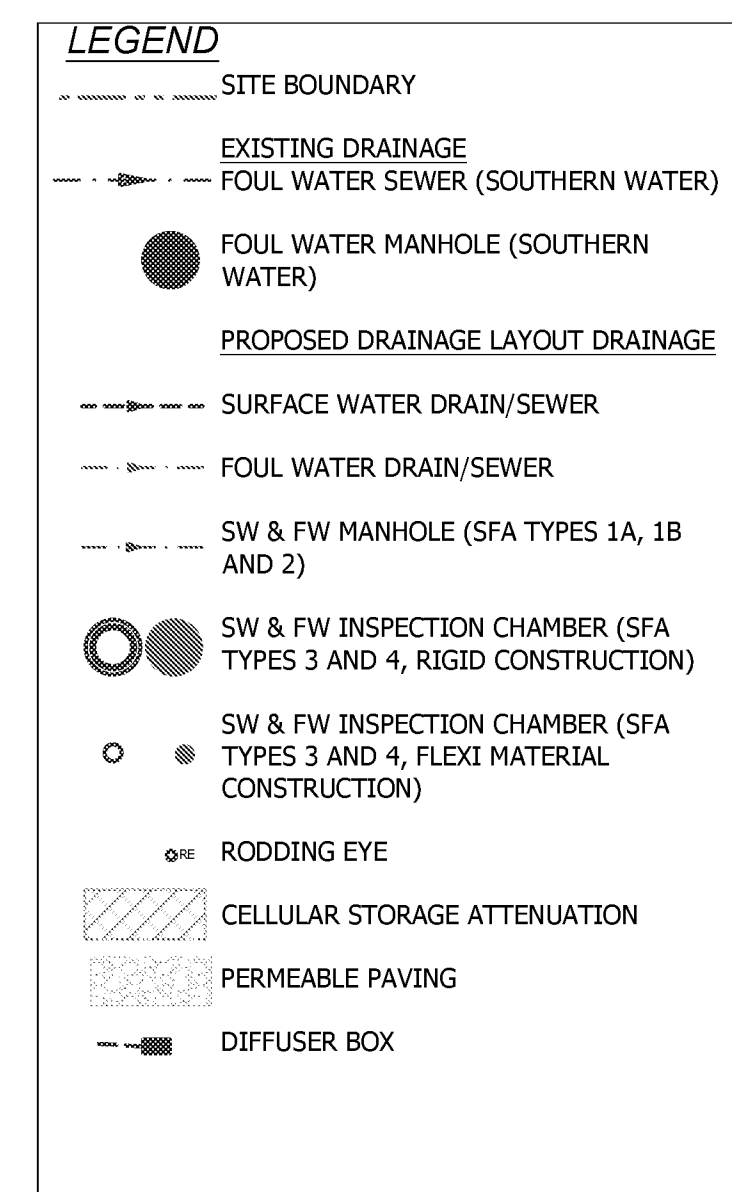
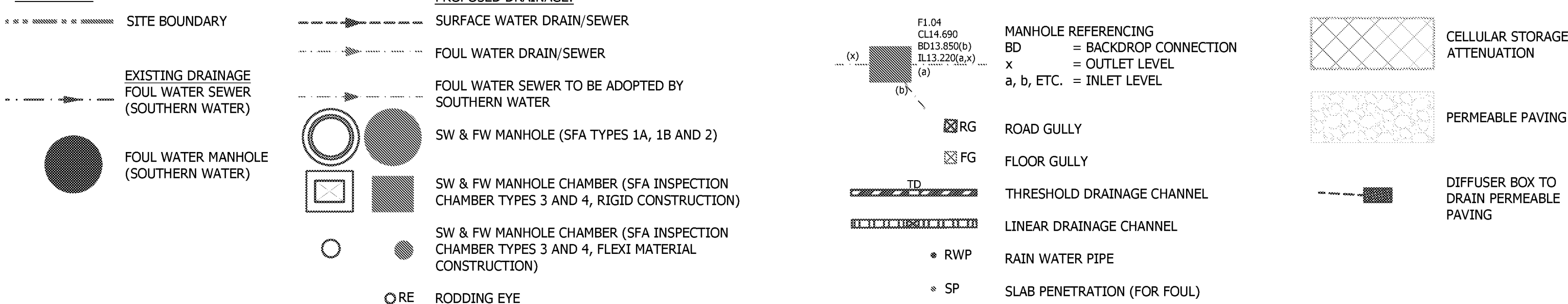


APPENDIX E



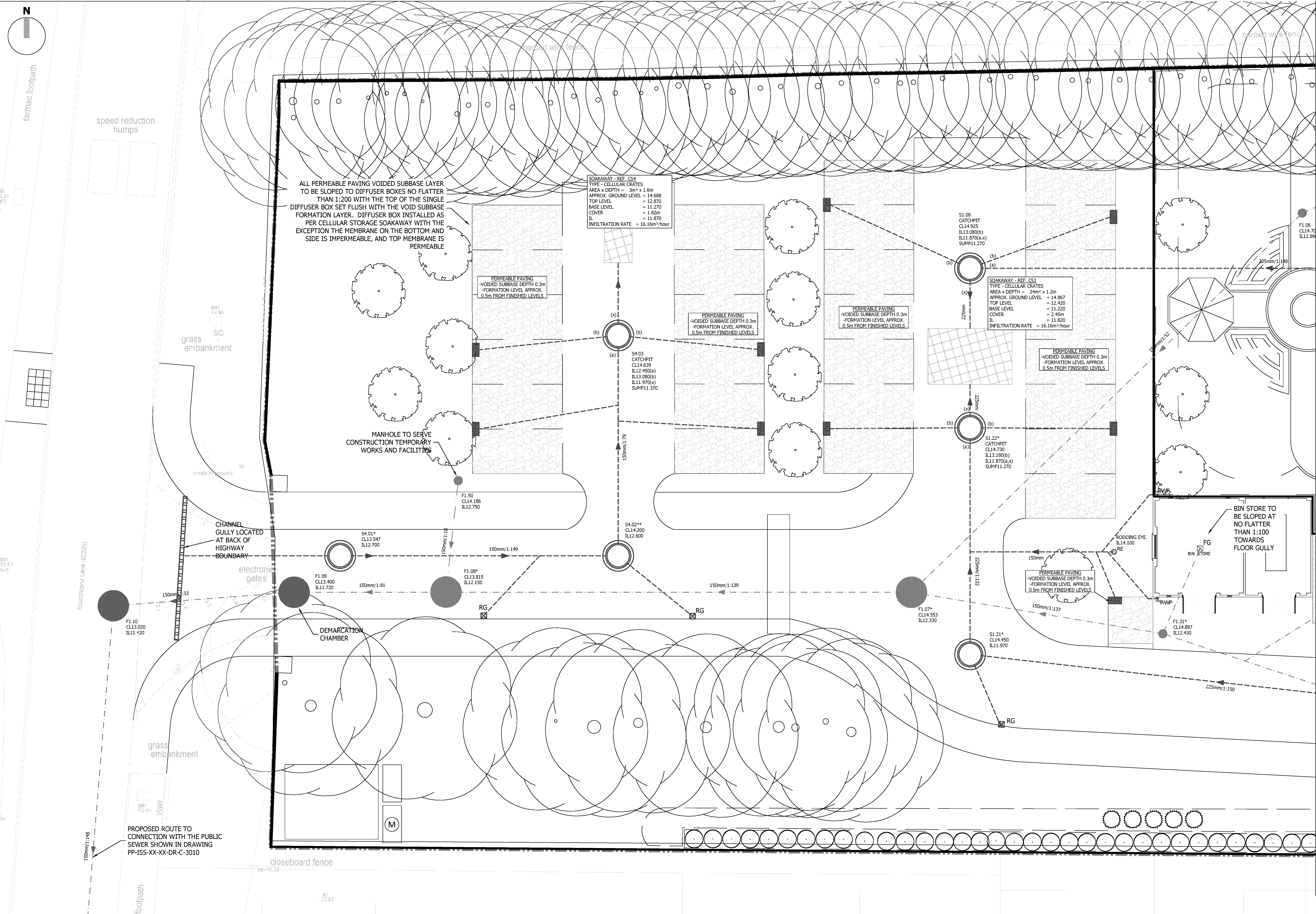
LEGEND



MANHOLE REFERENCES MARKED WITH "*" HAVE BEEN
CONSTRUCTED BASED ON PROVIDED INFORMATION
FROM THE CONTRACTOR ON 14.04.2020

NOTES:

1. ALL WORK TO BE CARRIED OUT TO THE LATEST EDITION OF "SEWERS FOR ADOPTION" (SFA), AND ANY AREAS NOT COVERED BY SFA, "APPROVED DOCUMENT H - DRAINAGE AND WASTE DISPOSAL" IS TO BE APPLIED. ANY DRAINAGE TO BE ADOPTED IS TO BE FIRST AND FOREMOST COMPLIANT WITH THE ADOPTING AUTHORITIES SFA ADDENDUM THEN THE LATEST VERSION OF SFA.
2. SITE PLAN AND GROUND FLOOR PLAN PROVIDED BY BUCKLE CHAMBERLAIN PARTNERSHIP LTD. SITE PLAN TAKEN FROM DRAWING REF 1388/001, REVISION F1V, DATED 15.01.2020. GROUND FLOOR PLAN PROVIDED BY 15.01.2020; DIGITAL FILE NAME GROUND FLOOR X-R2-REF_GE.
3. LANDSCAPING PLAN PROVIDED BY GROUND CONTRACT, DRAWING REF J180649-GL-L-DR-S-100, REVISION A, DATED 16.01.20.
4. TOPOGRAPHICAL SURVEY PROVIDED BY J TAYLOR SITE SURVEYING LTD, DRAWING REF. POUND PLACE, DATED DEC. 19.
5. M&E CONSULTANT, METHOD LLP, ADVISED BATHROOM ENSUITES TO HAVE SINGLE CONNECTIONS, AWAITING REVISED DRAWINGS.
6. REFER TO DRAWING PP-IS-XX-XX-DR-C-3004 FOR FULL DRAINAGE NOTES AND DRAWING PP-IS-XX-XX-DR-C-3201 FOR DRAINAGE DETAILS.
7. FOUL WATER CONNECTION TO PUBLIC NETWORK GRANTED APPROVAL BY SOUTHERN WATER ON 23.01.2020, REFERENCE DS_CP-114430..
8. FOUL DRAINAGE TO BE ADOPTED REQUIRES APPROVAL BY SOUTHERN WATER UNDER A S104 AGREEMENT.
9. SURFACE WATER DESIGN BASED ON INFILTRATION RATES TAKEN FROM FLOOD RISK ASSESSMENT REPORT SUBMITTED AS PART OF THE PLANNING SUBMISSION FOR THIS SITE.
10. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY PERMITS TO COMPLETE WORKS WITHIN PUBLIC HIGHWAY.



CONTINUED ON DRG PP-ISS-XX-XX-DR-C-3012

CONTINUED ON DRG PP-ISS-XX-XX-DR-C-3012

C03	21.04.20	HB/PL	GROUND LEVELS RAISED, DRAINAGE AMENDED TO SUIT, SOAKAWAYS AMENDED TO SUIT LLFA
C02	21.02.20	PL/PL	AMENDED TO SUIT LANDSCAPE ARCHITECT LAYOUT MINOR AMENDMENTS TO SOAKAWAYS CONSTRUCTION ISSUE
C01	24.01.20	PL/PL	
REV	DATE	DRAWN/CHK	REVISION INFO
STATUS:			

FOR CONSTRUCTION

CLIENT:

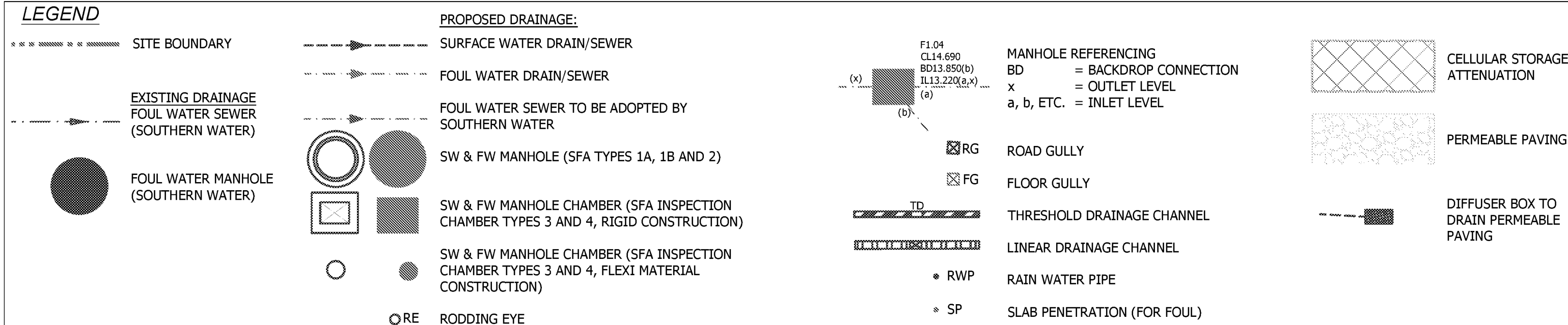
SAVISTA DESIGN AND BUILD

PROJECT:
POUND PLACE
ROUNDSTONE ROAD
ANGMERING

DRAWING TITLE:
PROPOSED DRAINAGE LAYOUT
64 BED
SHEET 1

JOB NUMBER:	SCALE AT A1:	REV. STATUS:
SE1612	1:100	S4
DRAWING NUMBER:		REVISION:
PP-ISS-XX-XX-DR-C-3011		C03

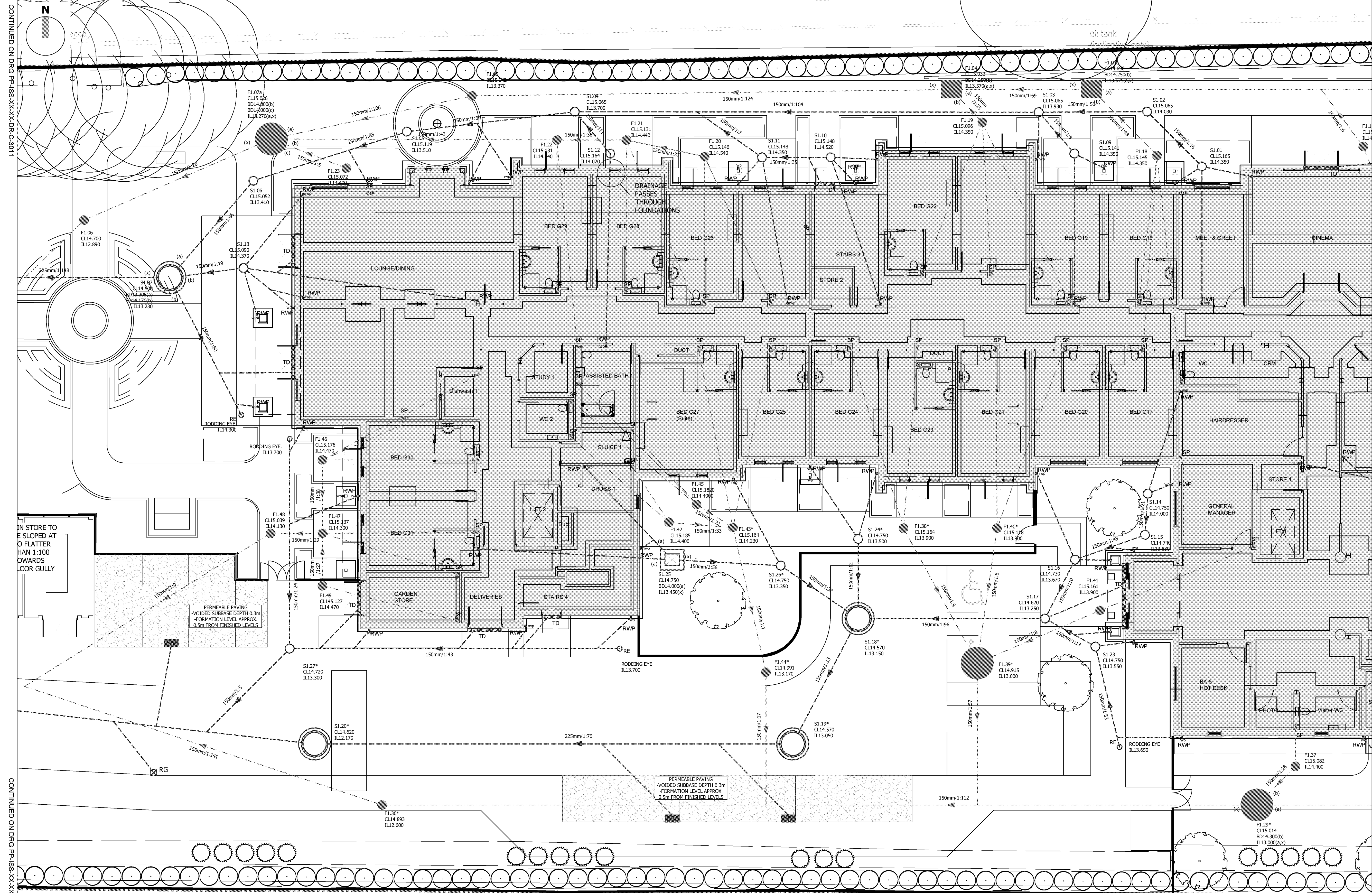
LONDON	20 IRONMONGER LANE LONDON EC2V 8EP UK T: +44 (0)207 600 2912
BRISTOL	89-95 REDCLIFFE STREET BRISTOL BS1 6LU UK T: +44 (0)117 922 7039
MANCHESTER	COMMERCIAL WHARF 6 COMMERCIAL STREET MANCHESTER, M15 4PZ UK T: +44 (0)845 643 2741
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NOTES:

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- TOPOGRAPHICAL SURVEY PROVIDED BY J TAYLOR SITE SURVEYING LTD, DRAWING REF. POUND PLACE, DATED DEC. 19.
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- FOUL DRAINAGE TO BE ADOPTED REQUIRES APPROVAL BY SOUTHERN WATER UNDER A S104 AGREEMENT.
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CONTINUED ON DRG PP-15-XX-XX-DR-C-3011

FOR CONSTRUCTION

CLIENT: SAVISTA DESIGN AND BUILD

PROJECT: POUND PLACE
ROUNDSTONE ROAD
ANGMERING

DRAWING TITLE: PROPOSED DRAINAGE LAYOUT
64 BED
SHEET 2

JOB NUMBER: SE1612
SCALE AT A1: 1:100
REV STATUS: S4

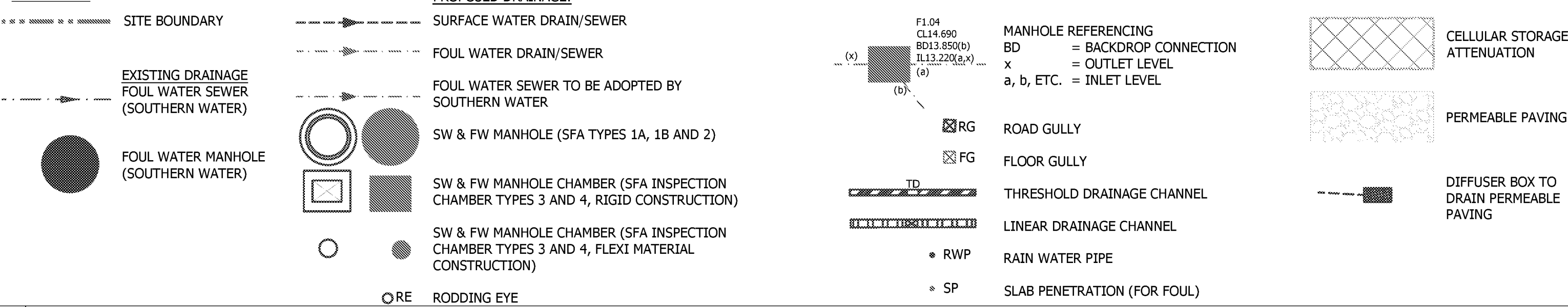
DRAWING NUMBER: PP-15-XX-XX-DR-C-3012
REV DATE: 24.01.20
DRAWN/CHK: C03
REVISION INFO: C03

20 IRONMONGER LANE | LONDON | EC2V 8EP | UK
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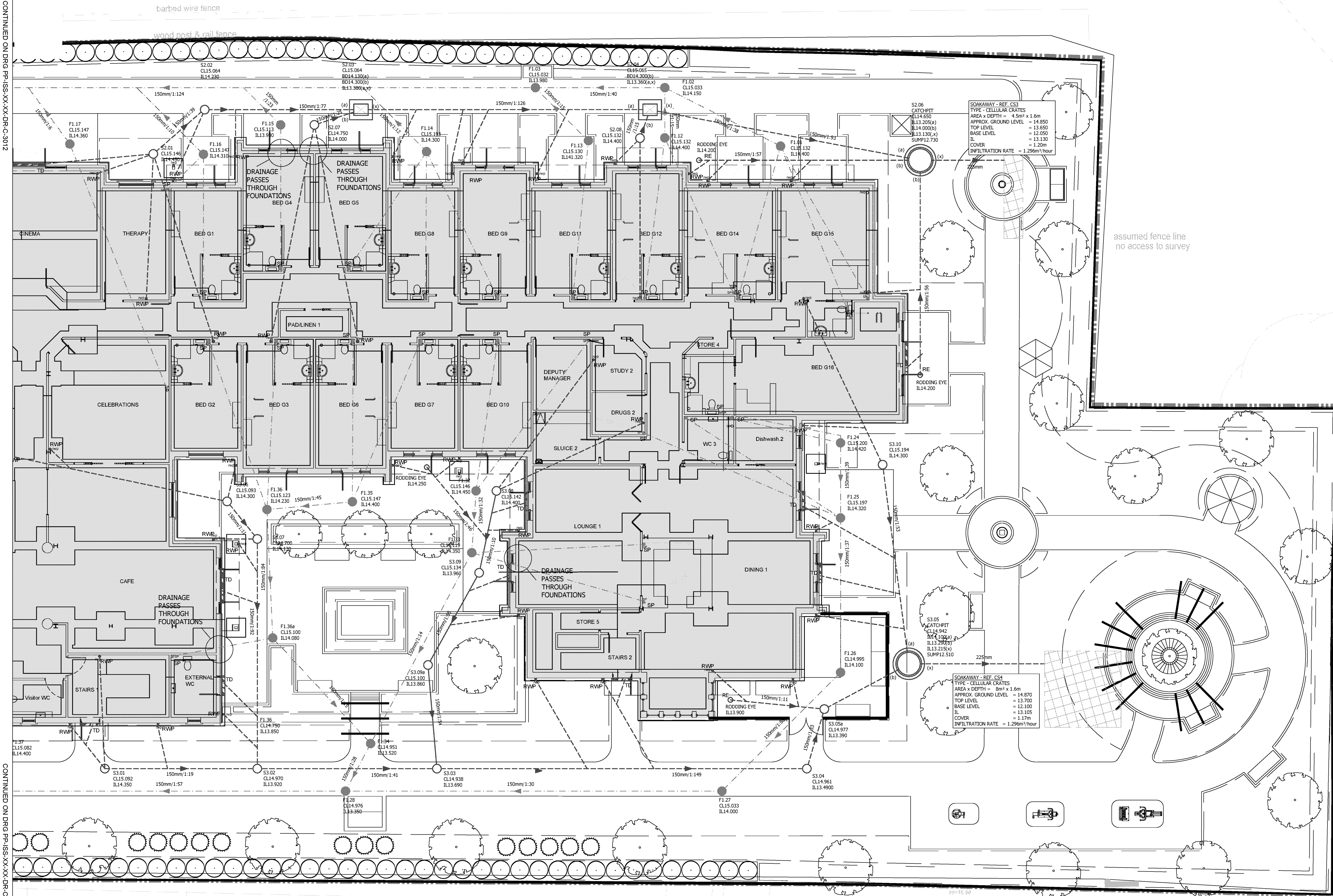
89-95 REDCLIFFE STREET | BRISTOL | BS1 6LU | UK
T: +44 (0)117 922 7039

COMMERCIAL WHARF | 6 COMMERCIAL STREET
MANCHESTER, M15 4PZ | UK
T: +44 (0)845 643 2741

LEGEND



MANHOLE REFERENCES MARKED WITH "*" HAVE BEEN
CONSTRUCTED BASED ON PROVIDED INFORMATION
FROM THE CONTRACTOR ON 14.04.2020



- NOTES:
1. ALL WORK TO BE CARRIED OUT TO THE LATEST EDITION OF "SEWERS FOR ADOPTION" (SFA), AND ANY AREAS NOT COVERED BY SFA, "APPROVED DOCUMENT H - DRAINAGE AND WASTE DISPOSAL" IS TO BE APPLIED. ANY DRAINAGE TO BE ADOPTED IS TO BE FIRST AND FOREMOST COMPLIANT WITH THE ADOPTING AUTHORITIES SFA ADDENDUM THEN THE LATEST VERSION OF SFA.
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 5. M&E CONSULTANT, METHOD LLP, ADVISED BATHROOM ENSUITES TO HAVE SINK/TOILET CONNECTIONS, AWAITING REVISED DRAWINGS.
 6. REFER TO DRAWING PP-15-XX-XX-DR-C-3004 FOR FULL DRAINAGE NOTES AND DRAWING PP-15-XX-XX-DR-C-3201 FOR DRAINAGE DETAILS.
 7. FOUL WATER CONNECTION TO PUBLIC NETWORK GRANTED APPROVAL BY SOUTHERN WATER ON 23.01.2020, REFERENCE DS_CPS-1144930..
 8. FOUL DRAINAGE TO BE ADOPTED REQUIRES APPROVAL BY SOUTHERN WATER UNDER A S104 AGREEMENT.
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C02	21.04.20	HB/PL	GROUND LEVELS RAISED, DRAINAGE AMENDED TO SUIT, SOAKAWAYS AMENDED TO SUIT LLFA
C02	21.02.20	PL/PL	AMENDED TO SUIT LANDSCAPE ARCHITECT LAYOUT MINOR AMENDMENTS TO SOAKAWAYS
C01	24.01.20	PL/PL	CONSTRUCTION ISSUE
REV	DATE	DRAWN/CHK	REVISION INFO
STATUS:			
FOR CONSTRUCTION			
CLIENT:			
SAVISTA DESIGN AND BUILD			
PROJECT:			
POUND PLACE DORCHESTER ROAD ANGMERING			
DRAWING TITLE:			
PROPOSED DRAINAGE LAYOUT 64 BED SHEET 3			
JOB NUMBER:		SCALE AT A1:	REV. STATUS:
SE1612		1:100	S4
DRAWING NUMBER:			REVISION:
PP-ISS-XX-XX-DR-C-3013			C03
LONDON	20 IRONMONGER LANE LONDON EC2V 8EP UK T: +44 (0)207 600 2912		
BRISTOL	89-95 REDCLIFFE STREET BRISTOL BS1 6LL UK T: +44 (0)117 922 7039		
MANCHESTER	COMMERCIAL WHARF 6 COMMERCIAL STREET MANCHESTER, M15 4PZ UK T: +44 (0)161 643 2741		
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CONTINUED ON DRG PP-ISS-XX-XX-DR-C-3012

CONTINUED ON DRG PP-1SS-XX-XX-DR-C-3012

REVISED 04/19/01

1. STANDARDS

- 1.1. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH IESIS STRUCTURES DRAINAGE SPECIFICATION
- 1.2. ALL DRAINAGE WORKS TO BE ADOPTED BY THE LOCAL SEWERAGE UNDERTAKER IS TO BE CARRIED OUT IN ACCORDANCE WITH, IN ORDER, IESIS STRUCTURES DRAINAGE SPECIFICATION, THE LOCAL SEWERAGE AUTHORITY ADDENDUM TO THE LATEST EDITION OF SEWERS FOR ADOPTION (SFA) AND THE LATEST EDITION OF SFA. ANY WORKS WITHIN PUBLIC HIGHWAYS IS TO BE OFFERED FOR ADOPTION BY THE LOCAL SEWERAGE UNDERTAKER.
- 1.3. ALL DRAINAGE WORKS TO REMAIN PRIVATE IS TO BE CARRIED OUT IN ACCORDANCE WITH, IN ORDER, IESIS STRUCTURES DRAINAGE SPECIFICATION AND APPROVED DOCUMENT 'H' DRAINAGE AND WASTE DISPOSAL
- 1.4. ALL PUBLIC HIGHWAY DRAINAGE WORKS IS TO BE ADOPTED BY THE LOCAL HIGHWAY AUTHORITY AND IS TO BE CARRIED OUT IN ACCORDANCE WITH, IN ORDER, IESIS STRUCTURES DRAINAGE SPECIFICATION AND THE LOCAL HIGHWAY AUTHORITY.
- 1.5. THE DESIGN IS NOT TO BE DEVIATED FROM UNLESS A SPECIFIC REQUEST HAS BEEN SUBMITTED AND APPROVED BY IESIS STRUCTURES. ANY DEVIATION FROM THE SHOWN DESIGN BY THE CONTRACTOR PLACES THE RESPONSIBILITY OF THE DESIGN ONTO THE CONTRACTOR IN ACCORDANCE WITH CDM.

2. PRE-COMMENCEMENT

- 2.1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND PERMISSIONS TO CARRY OUT ANY WORKS WITHIN PUBLIC OR 3rd PARTY LAND.
- 2.2. SHOWN UTILITIES WITHIN IESIS STRUCTURE DRAWINGS ARE NOT TO BE CONSIDERED A COMPLETE RECORD OF ALL EXISTING UTILITIES WITHIN THE AREA OF PROPOSED WORKS OR THE EXACT LOCATION OF THE EXISTING UTILITIES. IT'S THE CONTRACTOR'S RESPONSIBILITY TO VERIFY WHAT ASSETS (INCLUDING POSITION) ARE WITHIN THE AREA OF PROPOSED WORKS OR ANY OTHER REQUIRED AREAS TO THEIR SATISFACTION. THE CONTRACTOR SHALL LIAISE WITH THE RELEVANT ASSET OWNER TO PROTECT OR DIVERT ANY ASSETS AS REQUIRED TO THE ASSET OWNERS REQUIREMENTS / RECOMMENDATIONS.
- 2.3. ALL DRAINAGE WITHIN THE SITE AND OFFSITE DRAINAGE TO BE DIVERTED OR ABANDONED MUST BE CCTV'D TO ENSURE THERE ARE NO UNCHARTED OR BLIND CONNECTIONS. IF ANY UNCHARTED CONNECTIONS ARE FOUND, THEY MUST BE TRACED TO THE HEIR SOURCE OR 1ST UPSTREAM MANHOLE IF EXTENDING BEYOND THE SITE BOUNDARY AND THE FINDINGS PRESENTED TO IESIS STRUCTURES TO AMEND THE DESIGN ACCORDINGLY.
- 2.4. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING DISRUPTIONS TO 'LIVE' DRAINAGE IS KEPT TO A MINIMUM.
- 2.5. ALL DRAINAGE POINT OF CONNECTIONS OR OUTFALLS (SEWERS, WATERCOURSES, BODIES OF WATER AND/OR STRUCTURES/OUTFALLS) ARE TO HAVE THEIR EXISTING LEVELS VERIFIED ONSITE BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORKS TO ALLOW A REVIEW OF THE DRAINAGE DESIGN & REDESIGN IF REQUIRED. IF ANY EXISTING LEVELS ARE FOUND TO BE HIGHER (+10mm) OR SIGNIFICANTLY LOWER (-0.300mm) THAN SHOWN ON THE DRAWINGS THEN IESIS STRUCTURES IS TO BE NOTIFIED IMMEDIATELY. FAILURE TO NOTIFY IESIS STRUCTURES WITHIN 5 WORKING OF THE DISCREPANCY BEING NOTED. ALL OFFSITE WORKS ARE TO BE COMPLETED PRIOR TO ANY ONSITE WORKS, OR THE CONTRACTOR TAKES ON THE RESPONSIBILITY TO ENSURE THERE ARE NO OBSTRUCTIONS OR OTHER REASONS WHY THESE WORKS CAN'T BE CONSTRUCTED AS SHOWN.
- 2.6. THE STORAGE OF ALL MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR, AND IF DAMAGED DUE TO IMPROPER HANDLING AND/OR STORAGE, THE CONTRACTOR SHALL REPLACE THE ITEMS AT THEIR COST.

3. ABANDONMENT OF EXISTING UTILITIES & RELATED STRUCTURES

- 3.1. REDUNDANT DRAINS/SEWERS PASSING OR LOCATED WITHIN THE FOOTPRINT OF PROPOSED BUILDINGS ARE TO HAVE THE PORTION OF DRAIN/SEWER PLUS 0.5m BEYOND THE FOOTPRINT REMOVED.
- 3.2. REDUNDANT DRAINS/SEWERS OUTSIDE OF THE PROPOSED BUILDING FOOTPRINT ARE TO BE FILLED WITH CEMENT GROUT AT EITHER END FOR A MINIMUM LENGTH OF 300mm. IF THE SEWER EXTENDS BEYOND THE SITE, THE SEWER IS TO BE CUT AT THE SITE BOUNDARY AND THE END CAPPED WITH CEMENT GROUT FOR A MINIMUM LENGTH OF 300mm; SEWERS/DRAINS OR SEGMENTS THAT ARE LESS THAN 1m ARE TO BE REMOVED COMPLETELY. ALTERNATIVELY, THE CONTRACTOR MAY REMOVE ALL OF THE REDUNDANT PIPE IF THEY SO CHOOSE AT THEIR COST.
- 3.3. REDUNDANT MANHOLES, CHAMBERS OR OTHER STRUCTURES ARE TO BE REMOVED TO A DEPTH OF 0.5m FROM FINISHED GROUND LEVEL. THE BASE / FLOOR OF THE UNIT IS TO BE BROKEN OUT FOR ITS ENTIRETY OR CORE DRILLED WITH 100mm DIA. HOLES IN A 600mm GRID PATTERN (MIN. 2 HOLES) AND BACKFILLED WITH SELECTED AS DUG MATERIAL IN SOFT LANDSCAPING AREAS OR TYPE 2 MATERIAL IN ALL OTHER AREAS.
- 3.4. PETROL INTERCEPTORS, GREASE TRAPS, PACKAGE TREATMENT PLANTS OR OTHER UNITS/STRUCTURES TO TREAT FOUL OR SURFACE WATER ARE TO FOLLOW THE STEPS AS PER 3.3 WITH SOME ADDITIONAL STEPS. ALL M&E EQUIPMENT AND ANY ITEM THAT MAY LEACH HARMFUL TOXINS (I.E. LEAD, MERCURY) ARE TO BE REMOVED. THE LIQUID CONTENTS ARE TO BE REMOVED BY A LICENSED TANKERING COMPANY.
- 3.5. ALL WASTE GENERATED BY THE ABANDONMENT OF THE DRAINS/SEWERS, MANHOLES AND OTHER CHAMBERS/STRUCTURES ARE TO BE TAKEN TO A LICENCED DISPOSAL FACILITY.
- 3.6. THE CONTRACTOR IS RESPONSIBLE FOR CARRYING OUT AN ASBESTOS SURVEY ON CONCRETE STRUCTURES TO BE REMOVED AND TAKING THE APPROPRIATE ACTION BASED ON THE RESULT OF THE ASBESTOS SURVEY/TESTING.

4. EXCAVATIONS & TEMPORARY WORKS

- 4.1. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE TRENCHES AT ALL TIMES, DEVELOPING A METHOD STATEMENT THAT INCLUDES REGULAR TRENCH INSPECTIONS, SAFE INGRESS & EGRESS AND EMERGENCY PROCEDURES FOR TRENCH COLLAPSES.
- 4.2. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE TRENCHES ARE KEPT FREE OF STANDING WATER.
- 4.3. ALL DRAINAGE OUTSIDE OF THE PROPOSED BUILDING FOOTPRINTS HAVE BEEN DESIGNED FOR CONSTRUCTION VEHICLE LOADING BASED ON FINISHED COVER DEPTH MINUS 200mm. WHERE PIPES HAVE A FINISHED COVER DEPTH LESS THAN 600mm, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION FROM CRUSHING DUE TO CONSTRUCTION VEHICLE TRAFFIC.
- 4.4. WHEN REQUIRED THE CONTRACTOR SHALL PROVIDE SUFFICIENT CALCULATION AND/OR METHOD STATEMENTS TO SUBSTANTIATE ANY PROPOSED TEMPORARY WORKS A MIN. 14DAYS PRIOR TO SUCH WORKS.

5. GENERAL

- 5.1. ALL COVER LEVELS SHOWN ON THE DRAINAGE PLAN ARE APPROXIMATE. EXACT LEVELS OF PROPOSED COVERS TO BE DETERMINED ONSITE TO MATCH THE PROFILE OF THE SURROUNDING GROUND. LEVEL DISCREPANCIES OF +/-100MM TO BE REPORTED TO IESIS STRUCTURES IMMEDIATELY.
- 5.2. GULLY POSITIONS ARE APPROXIMATE AND ARE TO BE ADJUSTED LOCALLY TO THE LOW POINT. IF THE GULLY POSITION IS MORE THAN 1m FROM THE SHOWN POSITION OR GRADIENTS AMENDED SIGNIFICANTLY TO FALL TOWARDS THE SHOWN GULLY POSITION, THE CONTRACTOR SHALL INFORM IESIS STRUCTURES IMMEDIATELY.
- 5.3. FOUL STACKS AND RAINWATER PIPES ARE PROVIDED BY THE ARCHITECT/M&E CONSULTANT (REFER TO THE ARCHITECT/M&E CONSULTANT DRAWINGS FOR EXACT POSITIONS).
- 5.4. ALL FOUL STACKS AND RAINWATER PIPES ARE TO HAVE RODDING ACCESS AT GROUND (NO GREATER THAN 600mm ABOVE FFL) LEVEL UNLESS STACK CONNECTS DIRECT TO A TYPE 1 OR 2 MANHOLE (MIN. 1200mm DIAMETER).
- 5.5. ALL MATERIALS TO BE KITE MARKED WITH THE RELEVANT BS AND/OR BS EN STANDARD.
- 5.6. EXPOSED OPEN PIPES, ACCESS POINTS OR OPENINGS IN CHAMBERS TO BE TEMPORARILY SEALED/PROTECTED TO PREVENT THE INGRESS OF MATERIALS OR RODENTS.
- 5.7. ALL CONNECTIONS TO BE SOFFIT TO SOFFIT CONNECTION.
- 5.8. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING A DETAILED RECORD OF THE INSTALLATION OF THE DRAINAGE DESIGN IS TAKEN AND PASSED ONWARDS TO THE PLANNING AUTHORITY TO DISCHARGE PLANNING CONDITIONS. IT IS ADVISED THE CONTRACTOR CONTACTS THE PLANNING AUTHORITY AT AN EARLY STAGE TO CONFIRM THEIR SPECIFIC REQUIREMENTS TO ENSURE SUFFICIENT & THE CORRECT EVIDENCE IS SUBMITTED; POST CONSTRUCTION INTRUSIVE INVESTIGATIONS TO BE CARRIED OUT AT THE CONTRACTORS COST.

6. PIPEWORK

- 6.1. CONNECTIONS FROM RAINWATER PIPES TO ACCESS POINTS OR MAIN DRAIN RUNS TO BE SAME DIAMETER AS PER THE RAINWATER PIPE SPECIFIED BY THE ARCHITECT/M&E CONSULTANT; DRAINS/SEWERS THEREAFTER TO BE MIN. 150mm DIAMETER. CONNECTIONS UNDER BUILDINGS TO BE LAID NO FLATTER THAN 1:40 AND ALL OTHER DRAINS/SEWERS LAID NO FLATTER THAN 1:150 UNLESS SPECIFICALLY STATED ON THE DRAINAGE LAYOUT.
- 6.2. CONNECTIONS FROM FOUL STACKS TO ACCESS POINTS OR MAIN DRAIN RUNS TO BE THE SAME DIAMETER AS PER THE FOUL STACK DIAMETER SPECIFIED BY THE ARCHITECT/M&E CONSULTANT; DRAINS/SEWERS THEREAFTER TO BE MIN. 150mm DIAMETER. CONNECTIONS AND DRAINS/SEWERS TO BE LAID NO FLATTER THAN 1:40 IF NO W.C. DISCHARGES TO THE DRAIN/SEWER, NO FLATTER THAN 1:80 IF A MINIMUM 1 W.C . DISCHARGES TO THE DRAIN/SEWER, AND 1:150 IF THE

SEWER SERVES 10 OR MORE DWELLINGS.

- 6.3. LAYING OF PIPEWORK TO BE TRUE AND CONSISTENT GRADIENT FOR THE FULL LENGTH WITH SOCKETS FACING UPHILL.
- 6.4. ALL PIPES TO BE CUT CLEAN AND FILED TO ENSURE ALL BURS HAVE BEEN REMOVED.
- 6.5. ALL CLAY PIPEWORK TO BE 'SUPER STRENGTH' VITRIFIED CLAY TO BS 65, BS EN 295. ALL PLASTIC PIPEWORK TO BE uPVC TO BS EN 1201. ALL PIPEWORK TO BE ADOPTED OR SERVING MORE THAN 1 CURTLAGE TO BE CLAY PIPEWORK.
- 6.6. PIPE BEDDING SPECIFIED TO BE APPLIED FOR THE FULL LENGTH OF THE DRAIN/SEWER AND IS BASED ON THE FULL COVER DEPTH MINUS 200mm WITH CONSTRUCTION TRAFFIC LOADING. CONTRACTOR RESPONSIBLE FOR REVIEWING THE PROTECTION OF THE DRAINAGE IF THE COVER DEPTH IS REDUCED.
- 6.7. GRANULAR FILL MATERIAL TO BE NATURAL TO WATER INDUSTRY SPECIFICATION WIS 4-08-02, COMPACTED IN 100mm LAYERS FOR THE FULL WIDTH OF THE TRENCH. SELECTED AS DUG MATERIAL COMPACTED IN 300mm THICK LAYERS FOR THE FULL WIDTH OF THE TRENCH FREE FROM VEGETATION MATTER, RUBBISH, FROZEN SOIL AND MATERIAL RETAINED IN A 40mm SIEVE. HEAVY COMPACTORS NOT PERMITTED UNTIL 600mm COVER IS LAID.
- 6.8. ALL BLIND CONNECTIONS TO BE MADE AS SHOWN WITH THE FINAL CONNECTION BETWEEN SEWER RUNS CREATED USING RADIUS BENDS OR MIN 2 BENDS OF WHICH NEITHER IS GREATER THAN 45° AND 1 ROCKER PIPE. REFER TO SADDLE DETAIL ONT HE DRAINAGE DETAILS PLAN(S) FOR FURTHER INFORMATION. ALL CONNECTIONS TO BE SOFFT TO SOFFT
- 6.9. PIPES CROSSINGS WITH LESS THAN 100mm OF SEPARATION TO BE CONCRETE ENCASED AS PER THE PIPE CROSSING DETAIL WITHIN THE DRAINAGE DETAILS DRAWING(S).

7. CONCRETE

- 7.1. ALL BURIED INSITU CONCRETE SHALL BE DESIGNED TO BRE SPECIAL DIGEST 1 - CONCRETE IN AGGRESSIVE GROUND BASED ON SITE INVESTIGATION REPORT RECOMMENDATIONS SUMMARIZED IN TABLE 2 WITHIN THIS DRAWING. WHERE APPROPRIATE, REFER TO CONTAMINATION REPORTS AND THE SITE INVESTIGATION REPORT FOR FURTHER DETAILS OF CHEMICALS AFFECTING CHOICE OF MATERIALS AND OTHER ADDITIONAL REQUIREMENTS.
- 7.2. ALL BURIED PRECAST CONCRETE, INSITU CONCRETE AND MORTARS SHALL BE SULPHATE RESISTING AS RECOMMENDED BY THE SITE INVESTIGATION REPORT SUMMARIZED IN TABLE 2 WITHIN THIS DRAWING.
- 7.3. CONCRETE TO BS 8500-2 AND EITHER TYPE GEN1 OR GEN3 WITH AGGREGATES HAVING A MAXIMUM SZE OF 20mm TO BS 8500-2 AND BS EN 12620. CONSISTENCE AND CHLORIDE CLASS 4 AND CI TO 1.0 RESPECTIVELY.
- 7.4. ALL READY MIXED CONCRETE TO BE SOURCED FROM A BODY ACCREDITED BY UKAS TO BS EN ISO/IEC 17065 FOR PRODUCT CONFORMITY CERTIFICATION OF READY MIXED CONCRETE.
- 7.5. ALL CASTINGS TO BE SINGLE POUR EXCEPT WHERE DRAINAGE DETAILS INDICATE CONSTRUCTION JOINTS.
- 7.6. CASTING INSITU CONCRETE WHEN AT OR BELOW 5°C IS PROHIBITED. THE CONTRACTOR IS RESPONSIBLE FOR EMPLOYING A METHODOLOGY TO ENSURE THE TEMPERATURE OF INSITU CONCRETE DOES NOT FALL BELOW 5°C DURING THE CURING PERIOD.

8. MORTAR

- 8.1. MORTAR TO BS EN 998-2 MIXED TO GROUP 1 WITH SULPHATE RESISTANCE AS PER TABLES X BELOW. REFER TO THE DRAINAGE SPECIFICATION FOR FURTHER DETAILS OF MORTAR MIXTURES.
- 8.2. ALL JOINTS TO BE FILLED FLUSH WITH THE BRICK FACE AND FOR THEIR ENTIRE LENGTH.
- 8.3. MORTAR JOINTS TO HAVE A STRENGTH CLASS OF 32.5.

9. BRICKWORK

- 9.1. ALL BRICKWORK TO BE ENGINEERING CLASS B TYPE TO EN 77-1 LAID TO ENGLISH BOND STYLE.
- 9.2. BRICKWORK AND BLOCKWORK COURSES LAID LEVEL AND TRUE TO LINE WITH FACES AND ANGLES PLUMB.
- 9.3. PERMISSIBLE DEVIATIONS FOR STRAIGHTNESS IS ±5mm FOR EVERY 5m OF WALL AND FOR OVERALL THICKNESS OF WALLS, LEVEL OF BED JOINTS AND VERTICALLY OF WALL UP TO 3m IS ±3mm.
- 9.4. LAYING OF BRICKWORK AND BLOCKWORK PROHIBITED WHEN AT OR BELOW 5°C. THE CONTRACTOR IS RESPONSIBLE FOR EMPLOYING A METHODOLOGY TO ENSURE THE TEMPERATURE OF THE MORTAR DOES NOT FALL BELOW 5°C DURING THE CURING PERIOD.

10. PRECAST CONCRETE CHAMBERS (MANHOLES, INSPECTION CHAMBERS)

- 10.1. DIMENSIONS FOR MANHOLES (INCLUDING CATCHPITS, FLOW CONTROL CHAMBERS, SOAKAWAYS ETC.), INSPECTION CHAMBERS, OTHER CHAMBERS AND ACCESS FITTINGS ARE SPECIFIED ON THE MANHOLE SCHEDULE OR DRAINAGE DETAILS. ANY ITEM NOT SPECIFIED WITHIN EITHER LOCATION IS STATED IN APPROVED DOCUMENT H, TABLES 11 AND 12 WITH STANDARDS FOR MATERIALS STATED IN TABLE 14.
- 10.2. MANHOLES, INSPECTION CHAMBERS AND ACCESS POINTS HAVE THEIR ACCESS COVER LOADING CLASS SPECIFIED WITHIN THE MANHOLE SCHEDULE. ANY ITEM NOT WITHIN THIS LIST(S) IS TO HAVE THEIR COVERS, ACCESS COVER & FRAMES, GRATINGS ETC. DESIGNED TO A SUITABLE LOAD CLASS TO ONE OF THE FOLLOWING:
 - B125 = PEDESTRIAN AREAS (NOT ACCESSIBLE BY VEHICLES)
 - C250 = PEDESTRIAN AREAS WITH THE POTENTIAL OF VEHICLE LOADING
 - D400 = ALL ARES DESIGNED FOR VEHICLE TRAFFIC INCL. LIGHTLY TRAFFICKED AREAS
- 10.3. GRATINGS IN ALL PEDESTRIAN AREAS TO BE HEEL SAFE.
- 10.4. CHAMBER INVERT LEVELS ARE FOR THE OUTLET PIPE WITH INLETS SOFFIT TO SOFFIT CONNECTION
- 10.5. MANHOLE COVER SLABS DESIGNED TO D400 LOADING.
- 10.6. FINAL ORIENTATION OF ACCESS COVERS TO BE DETERMINED ONSITE TO REDUCE THE CUTTING OF ADJACENT BLOCKS, PAVIOURS, SETTS AND BEST SUIT THE MANHOLE BENCHING.

11. PROPRIETARY PRODUCTS

- 11.1. PROPRIETARY PRODUCTS SPECIFIED WITHIN THIS DESIGN ARE TO BE USED AND ONLY ALTERNATIVE PRODUCTS OF MATCHING QUALITY, STANDARDS AND DESIGN CHARACTERISTICS AS NOTED WITHIN THESE DRAWINGS AND SPECIFICATIONS.
- 11.2. ALL PROPRIETARY PRODUCTS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER SPECIFICATIONS & RECOMMENDATIONS. WHERE THERE ARE CONFLICTS BETWEEN THE MANUFACTURER SPECIFICATIONS & RECOMMENDATIONS AND IESIS STRUCTURE DESIGN (DRAWINGS & SPECIFICATIONS), THESE CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF ISESIS STRUCTURES IMMEDIATELY TO RESOLVE THE CLASH.

12. COMPLETION

- 12.1. ALL CHAMBERS TO BE INSPECTED TO ENSURE THEY ARE FREE OF DEBRIS AND SILT AND ANY UNUSED INLETS/OUTLETS SUITABLY CAPPED TO PREVENT THE INGRESS OF WATER AND RODENTS.
- 12.2. ALL DRAINS/SEWERS CCTV'D, IN ACCORDANCE WITH IESIS STRUCTURES CCTV SPECIFICATION, TO ENSURE THEY HAVE NOT BEEN DAMAGED DURING THE PROPOSED WORKS. ANY SECTION OF PIPE DAMAGED IN ANY FASHION IS TO BE REPLACED AT THE CONTRACTORS COST.
- 12.3. ALL DRAINS/SEWERS TO BE TESTED IN ACCORDANCE WITH IESIS STRUCTURES SPECIFICATION TO ENSURE THERE ARE NO PIPE FAILURES.

TABLE 1 - ROCKER PIPE LENGTHS (mm)	
NOMINAL PIPE Ø	MAXIMUM EFFECTIVE LENGTH
< 600	600
601 - 750	1000
> 750	1250

TABLE 2 - CONCRETE IN AGGRESSIVE CONDITIONS & SULPHATE RESISTANCE	
DESIGN SULFATE CLASS	DS-1
ACEC CLASSIFICATION	AC-1

NOTES:

C0310.03.20PL/PLMINOR TEXT AMENDMENT.
C0221.02.20PL/PLDRAWING STATUS UPDATED.
C0124.01.20PL/PLFOR CONSTRUCTION

REVDATEDRAWN/CHKREVISION INFO

STATUS:

FORCONSTRUCTION

CLIENT:

SAVISTA DESIGN AND BUILD

PROJECT:

POUND PLACE
ROUNDSTONE ROAD
ANGMERING

DRAWING TITLE:

PROPOSED
DRAINAGE NOTES

JOB NUMBER:SE1612SCALE AT A1:NTSREV. STATUS:S4

DRAWING NUMBER:PP-ISS-XX-XX-DR-C-3004REVISION:C03

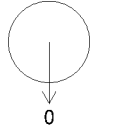
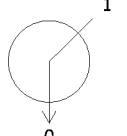
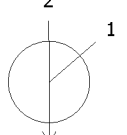
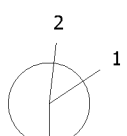
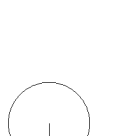
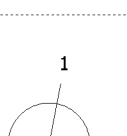
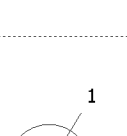
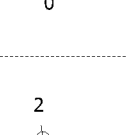
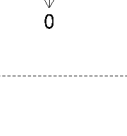
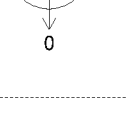
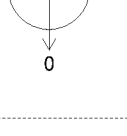
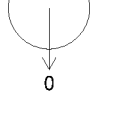
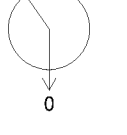
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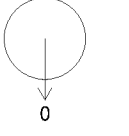
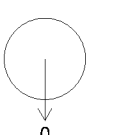
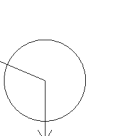
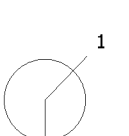
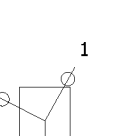
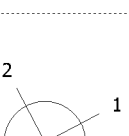
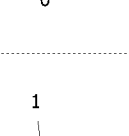
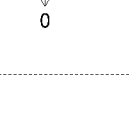
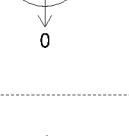
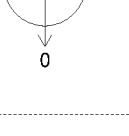
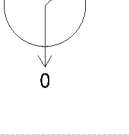
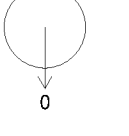
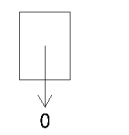
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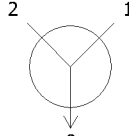
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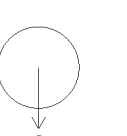
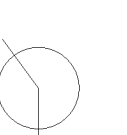
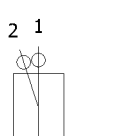
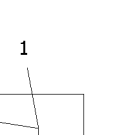
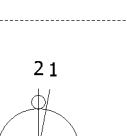
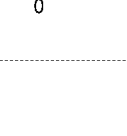
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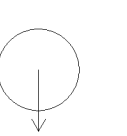
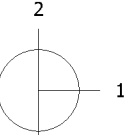
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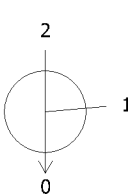
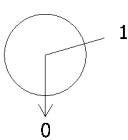
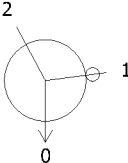
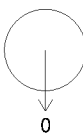
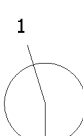
NETWORK SERVING OUTFALL 1 (SOAKAWAY REF CS1)								
Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S1.01	15.165							
E. 507536.227	0.815					450	3A	B125
N. 104002.409			0	7.000	14.200	150		
S1.02	15.065		1	7.000	14.100	150		
E. 507533.406	0.885					450	3A	B125
N. 104005.229			0	7.001	14.030	150		
S1.03	15.065		1	8.000	14.000	150		
E. 507527.824	0.985		2	7.001	13.930	150		
N. 104005.204			0	7.002	13.930	150		
S1.04	15.065		1	10.000	13.770	150		
E. 507503.931	1.215		2	7.003	13.700	150		
N. 104005.229			0	7.004	13.700	150		
SRE1.4	15.046							
E. 507531.982	0.846					450	3A	B125
N. 103972.516			0	2.000	14.050	150		
S1.05	15.119		1	7.004	13.510	150		
E. 507495.288	1.459					450	3A	B125
N. 104004.201			0	7.005	13.510	150		
S1.06	15.052		1	7.005	13.410	150		
E. 507487.387	1.492					450	3A	B125
N. 104001.677			0	7.006	13.410	150		
S1.07	14.960		1	11.000	14.170	150		
E. 507483.083	1.505		2	12.000	14.170	150		
N. 103996.684			3	7.006	13.310	150		
S1.08	14.925		0	7.007	13.230	225		
E. 507460.868	1.570		1	7.007	13.130	225		
N. 103996.684			0	7.008	13.130	225		
S1.09	15.141							
E. 507529.656	0.741					450	3A	B125
N. 104003.071			0	8.000	14.250	150		
S1.10	15.148							
E. 507517.110	0.478					450	3A	B125
N. 104002.879			0	9.000	14.520	150		
S1.11	15.148		1	9.000	14.420	150		
E. 507513.571	0.648					450	3A	B125
N. 104002.879			0	9.001	14.350	150		
S1.12	15.164							
E. 507505.761	0.994					450	3A	B125
N. 104003.074			0	10.000	14.020	150		

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S1.13	15.090							
E. 507486.876	0.570					450	3A	B125
N. 103997.180			0	12.000	14.370	150		
S1.14	15.050							
E. 507533.437	0.500					450	3A	B125
N. 103985.561			0	1.000	14.400	150		
S1.15	15.050		1	1.000	14.300	150		
E. 507533.298	0.670					450	3A	B125
N. 103983.440			0	1.001	14.230	150		
S1.16	15.123		1	1.001	14.130	150		
E. 507529.687	0.913					450	3A	B125
N. 103982.161			0	1.002	14.060	150		
S1.17	15.082		1	2.001	13.850	150		
E. 507528.152	1.607		2	1.002	13.850	150		
N. 103979.131			0	1.003	13.325	150		
S1.18	14.949		1	1.003	13.225	150		
E. 507518.525	1.574		2	4.000	13.225	150		
N. 103979.131			3	3.001	13.225	150		
S1.19	14.787		0	1.004	13.225	150		
E. 507515.155	1.587		1	1.004	13.125	150		
N. 103972.676			0	1.005	13.050	150		
S1.20	14.899		1	1.005	12.245	150		
E. 507490.533	2.504					1200	2	D400
N. 103972.676			0	1.006	12.170	225		
S1.21	14.640		1	1.007	11.970	225		
E. 507460.871	2.445					1200	2	D400
N. 103975.989			0	1.008	11.970	225		
S1.22	14.778		1	1.008	11.870	225		
E. 507460.871	2.683					1200	2	D400
N. 103988.138			0	1.009	11.870	225		
S1.23	15.120		1	2.000	13.950	150		
E. 507530.740	1.020					450	3A	B125
N. 103977.689			0	2.001	13.950	150		
S1.24	15.157							
E. 507518.525	1.507					450	3A	B125
N. 103983.224			0	4.000	13.500	150		
S1.25	15.148							
E. 507508.949	1.548					600	3B	B125
N. 103982.158			0	3.000	13.450	150		
S1.26	15.125		1	3.000	13.350	150		
E. 507514.532	1.625					450	3A	B125
N. 103981.856			0	3.001	13.350	150		

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S1.27	14.993		1	5.000	13.370	150		
E. 507489.252	1.543		2	6.000	13.370	150		
N. 103977.583			0	5.001	13.300	150		

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S2.01	15.146							
E. 507548.903	0.546					450	3A	B125
N. 104002.916			0	1.000	14.450	150		
S2.02	15.064		1	1.000	14.300	150		
E. 507552.059	0.684					450	3A	B125
N. 104005.234			0	1.001	14.230	150		
S2.03	15.064		1	1.001	14.130	150		
E. 507559.778	1.434		2	2.000	14.300	150		
N. 104005.233			0	1.002	13.480	150		
S2.04	15.065		1	1.002	13.360	150		
E. 507574.920	1.555		2	3.000	14.300	150		
N. 104005.230			0	1.003	13.360	150		
S2.06	15.040		1	1.003	13.205	150		
E. 507589.074	1.685		2	5.000	13.995	150		
N. 104002.588			3	4.000	14.000	150		
S2.08	15.113							
E. 507557.338	0.563					450	3A	B125
N. 104004.434			0	2.000	14.400	150		
S2.09	15.132							
E. 507574.396	0.582					450	3A	B125
N. 104003.740			0	3.000	14.400	150		

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S3.01	15.092							
E. 507546.360	0.592					450	3A	B125
N. 103970.709			0	1.000	14.350	150		
S3.02	14.970		1	2.001	13.990	150		
E. 507554.350	0.900		2	1.000	13.920	150		
N. 103970.709			0	1.001	13.920	150		

Manhole Number		Cover Level	Connections	Pipe			Manhole Size	Types		
Coordinates		Depth To Soffit		Code	Inverts	Diams		Manhole	Cover	
S3.03		14.938		1 2	3.003 1.001	13.760 13.690	150 150	450	3A	B125
E.	507563.757	1.098		0	1.002	13.690	150			
N.	103970.709			1	1.002	13.560	150			
S3.04		14.961						450	3A	B125
E.	507583.139	1.321		0	1.003	13.490	150			
N.	103970.709			1	6.000	14.100	150			
S3.05		14.942		1 2	1.003 1.004	13.490 13.290	150 150	1200	2 (CP1)	B125
E.	507588.475	1.502		0	1.005	13.215	225			
N.	103976.202									
S3.06		15.093						450	3A	B125
E.	507552.766	0.643		0	2.000	14.300	150			
N.	103984.707			1	2.000	14.130	150			
S3.07		15.118						450	3A	B125
E.	507554.358	0.838		0	2.001	14.130	150			
N.	103983.576									
S3.08		15.142						450	3A	B125
E.	507566.877	0.592		0	4.000	14.400	150			
N.	103985.261			1	3.001	13.960	150			
S3.09		15.134						450	3A	B125
E.	507565.969	1.024		0	3.002	13.960	150			
N.	103980.966									
S3.10		15.194						450	3A	B125
E.	507587.104	0.744		0	6.000	14.300	150			
N.	103986.631			1	5.000	13.460	150			
S3.05a		14.977		1 2	1.003 1.003	13.390 13.390	150 150	450	3A	B125
E.	507584.052	1.437		0	1.004	13.390	150			
N.	103973.829			1	3.002	13.860	150			
S3.09a		15.100						450	3A	B125
E.	507563.290	1.090		0	3.003	13.860	150			
N.	103976.136									

NETWORK SERVING OUTFALL 1 (PUBLIC FOUL WATER NETWORK)								
Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
F1.01	15.132							
E. 507581.760 N. 104003.324	0.582					450		
F1.02	15.033							
E. 507575.696 N. 104006.385	0.733					450	3A	B125
F1.03	15.032							
E. 507568.917 N. 104006.385	0.902					450	3A	B125
F1.04	15.033							
E. 507523.347 N. 104006.384	1.313					600 x 450	3B	B125
F1.05	15.042							
E. 507498.632 N. 104006.042	1.522					450	3A	B125
F1.06	14.917							
E. 507478.663 N. 103999.642	1.877					450	3A	B125
F1.07	14.553							
E. 507457.731 N. 103979.321	2.073					450	2	D400
F1.08	13.815							
E. 507432.802 N. 103979.335	1.515					450	3A	B125
F1.09	13.430							
E. 507424.663 N. 103979.321	1.560					1200	2	D400
F1.10	13.020							
E. 507414.982 N. 103978.600	1.450					1200	2	D400
F1.11	13.034							
E. 507413.035 N. 103955.021	1.624					1200	2	D400
F1.12	15.132							
E. 507575.696 N. 104003.756	0.582					450	3A	B125

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To		Code	Inverts	Diams		Manhole	Cover
F1.13	15.130							
E. 507571.693 N. 104003.608	0.660					450	3A	B125
F1.14	15.193							
E. 507558.214	0.743					450	3A	B125
F1.15	15.113							
E. 507555.572 N. 104004.434	0.983					450	3A	B125
F1.16	15.147							
E. 507551.528 N. 104002.894	0.687					450	3A	B125
F1.17	15.147							
E. 507544.529 N. 104003.436	0.637					450	3A	B125
F1.18	15.145							
E. 507533.910 N. 104002.970	0.645					450	3A	B125
F1.19	15.096							
E. 507524.917 N. 104004.676	0.596					450	3A	B125
F1.20	15.146							
E. 507510.620 N. 104002.920	0.456					450	3A	B125
F1.21	15.131							
E. 507506.597 N. 104003.772	0.541					450	3A	B125
F1.22	15.131							
E. 507503.013 N. 104003.772	0.641					450	3A	B125
F1.23	15.072							
E. 507492.172 N. 104002.320	0.572					450	3A	B125
F1.24	15.200							
E. 507584.904 N. 103987.777	0.630					450	3A	B125
F1.25	15.197							
E. 507584.904 N. 103983.843	0.727					450	3A	B125
F1.26	14.995							
E. 507584.904 N. 103975.747	0.745					450	3A	B125

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
F1.27	15.033							
E. 507578.688 N. 103969.532	0.883					450	3A	B125
F1.28	14.976							
E. 507558.968 N. 103969.532	1.476					450	3A	B125
F1.29	15.014							
E. 507539.056 N. 103969.532	1.864					1200	2	B125
F1.30	14.893							
E. 507494.014 N. 103969.532	2.143					1200	2	D400
F1.31	14.887							
E. 507471.197 N. 103977.097	2.307					450	3A	B125
F1.32	15.146							
E. 507565.805 N. 103985.261	0.546					450	3A	B125
F1.33	15.119							
E. 507565.582 N. 103982.023	0.619					450	3A	B125
F1.34	14.951							
E. 507560.287 N. 103972.022	1.281					450	3A	B125
F1.35	15.147							
E. 507559.327 N. 103984.869	0.597					450	3A	B125
F1.36	15.123							
E. 507554.854 N. 103984.283	0.743					450	3A	B125
F1.37	15.082							
E. 507541.045 N. 103971.521	0.532					450	3A	B125
F1.38	15.164							
E. 507520.861 N. 103983.782	1.114					450	3A	B125
F1.39	14.915							
E. 507524.654 N. 103976.836	1.765					1200	2	D400
F1.40	15.118							
E. 507525.677 N. 103983.782	1.068					450	3A	B125

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
F1.41	15.161							
E. 507530.984 N. 103979.549	1.111					450	3A	B125
F1.42	15.185							
E. 507508.781 N. 103984.088	0.635					450	3A	B125
F1.43	15.164							
E. 507512.075 N. 103983.818	0.784					450	3A	B125
F1.44	14.991							
E. 507513.775 N. 103976.371	1.671					450	3A	B125
F1.45	15.182							
E. 507510.198 N. 103985.005	0.632					450	3A	B125
F1.46	15.176							
E. 507490.939 N. 103987.299	0.556					450	3A	B125
F1.47	15.137							
E. 507490.939 N. 103983.517	0.687					450	3A	B125
F1.48	15.039							
E. 507488.017 N. 103983.517	0.759					1200	3A	B125
F1.49	15.127							
E. 507490.939 N. 103980.819	0.507					450	3A	B125
F1.50	14.186							
E. 507433.457 N. 103985.303	1.286					300	3A	B125
F1.03a	15.033							
E. 507530.572 N. 104006.384	1.208					600 x 450	3B	B125
F1.07a	15.026							
E. 507488.312 N. 104003.825	1.606					1200	2	B125
F1.36a	15.100							
E. 507555.156 N. 103977.554	0.870					450	3A	B125

NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DRAINAGE LAYOUT (REF PP-ISS-XX-XX-DR-C-3011 TO PP-ISS-XX-XX-DR-C-3013) AND THE DRAINAGE DETAILS (REF PP-ISS-XX-XX-DR-C-3201).
- FEATURES LISTED IN THE MANHOLE SCHEDULE:
CP1 = CATCHPIT TYPE 1
- MANHOLE SCHEDULE DOES NOT INCLUDE DIRECT CONNECTIONS FROM RAIN WATER PIPES, FOUL STACKS OR GULLIES (ALL TYPES). REFER TO DRAINAGE PLANS SHOWING THESE CONNECTIONS.

C03 21.04.20 HJB/PL

DRAINAGE AMENDED TO SUIT ASBUILT DRAINAGE, LLFA COMMENTS AND RAISED GROUND LEVELS.MANHOLE SCHEDULE FORMAT CHANGED AS A RESULT OF DIRECT OUTPUT FROM MODEL. ISSUED FOR CONSTRUCTION. DRAINAGE AMENDED TO SUIT LANDSCAPE ARCHITECT AND SITE LEVELS. NOTES AMENDED, DRAINAGE AMENDED TO SUIT APPEAL LAYOUT FOR APPROVAL

C02 21.02.20 PL/PL

C01 24.01.19 PL/PL

P01 20.11.19 KD/TW

REV DATE DRAWN/CHK REVISION INFO

STATUS:

FOR CONSTRUVTION

PROJECT:

POUND PLACE
ROUNDSTONE ROAD
ANGMERING

DRAWING TITLE:

PROPOSED FOUL WATER
MANHOLE SCHEDULE

JOB NUMBER:

SCALE AT A1:

REV. STATUS:

DRAWING NUMBER:

REVISION:

SE1612

N/A

S4

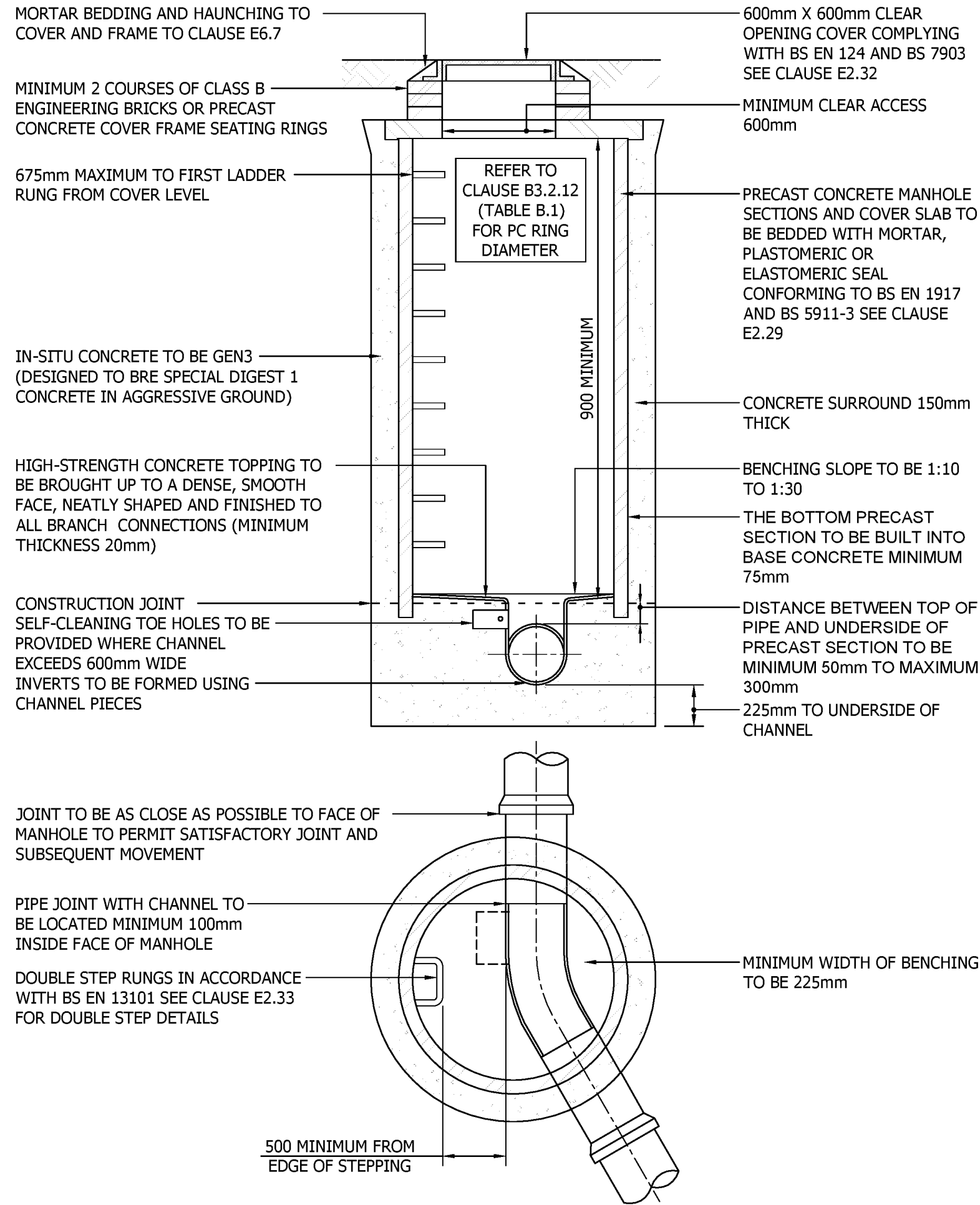
PP-ISS-XX-XX-DR-C-3101

C03

IESISSTRUCTURES

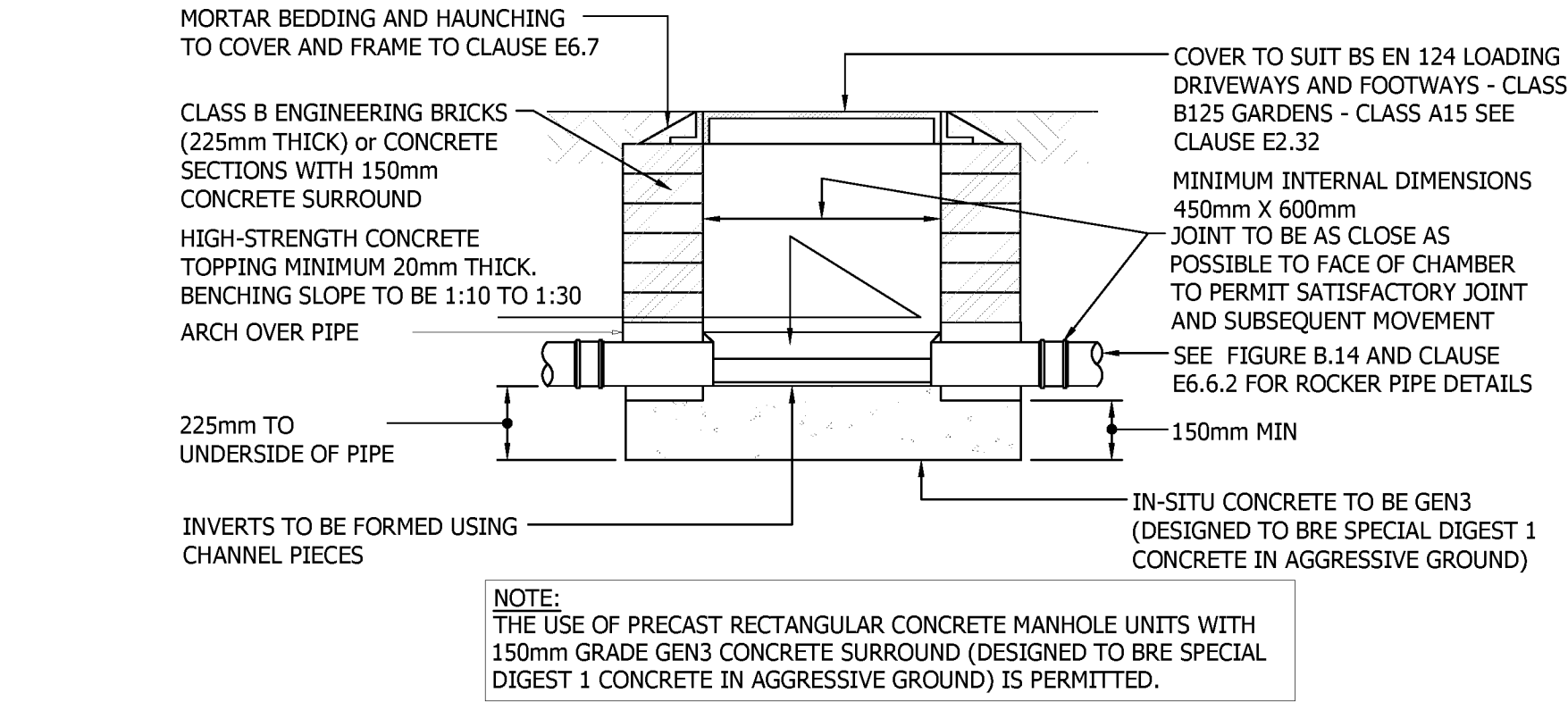
LONDON 20 IRONMONGER LANE | LONDON | EC2V 8EP | UK
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MANCHESTER COMMERCIAL WHARF | 6 COMMERCIAL STREET
T: +44 (0)845 643 2741
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CLIENT:

SAVISTA DESIGN AND BUILD

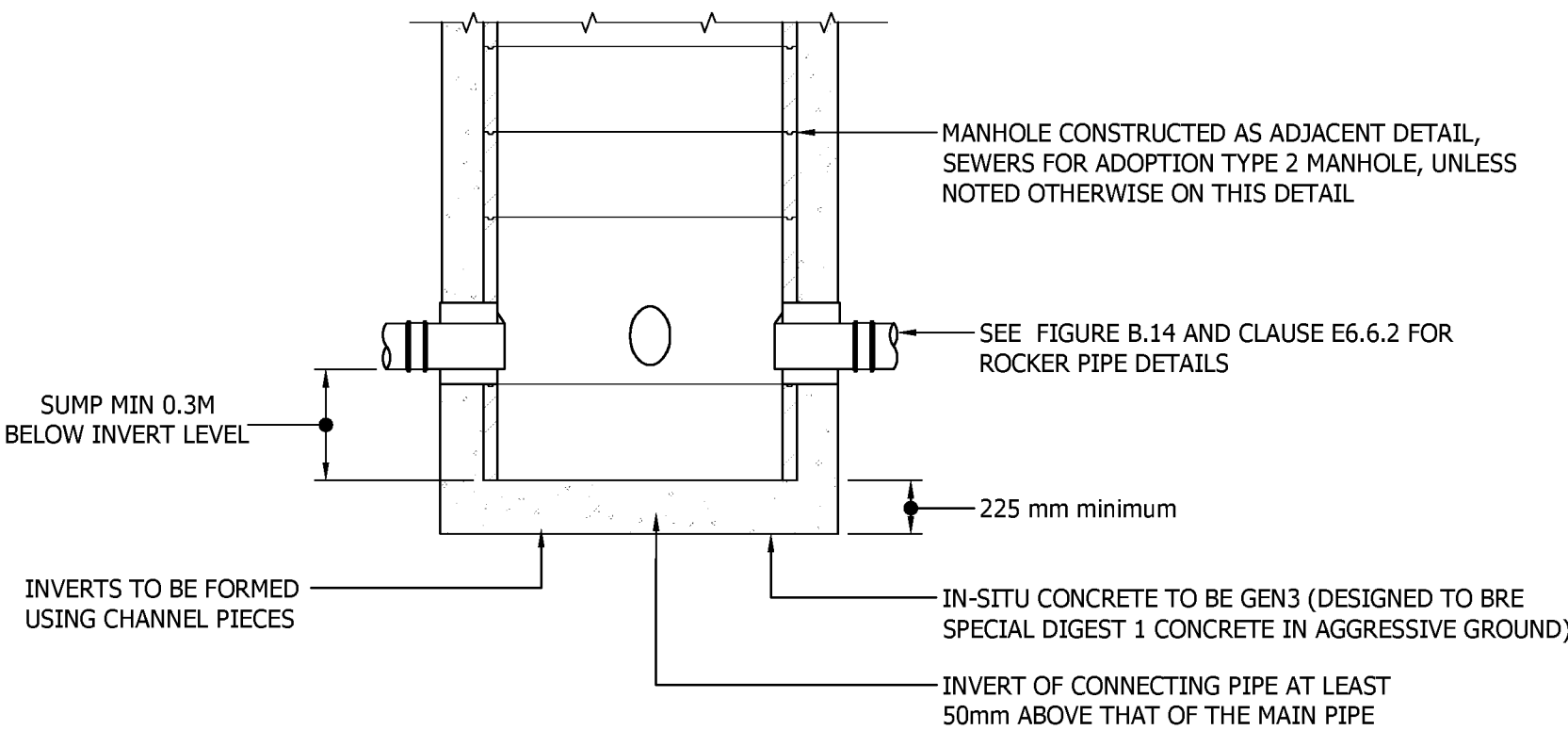


SEWERS FOR ADOPTION TYPE 2 MANHOLE

MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3m

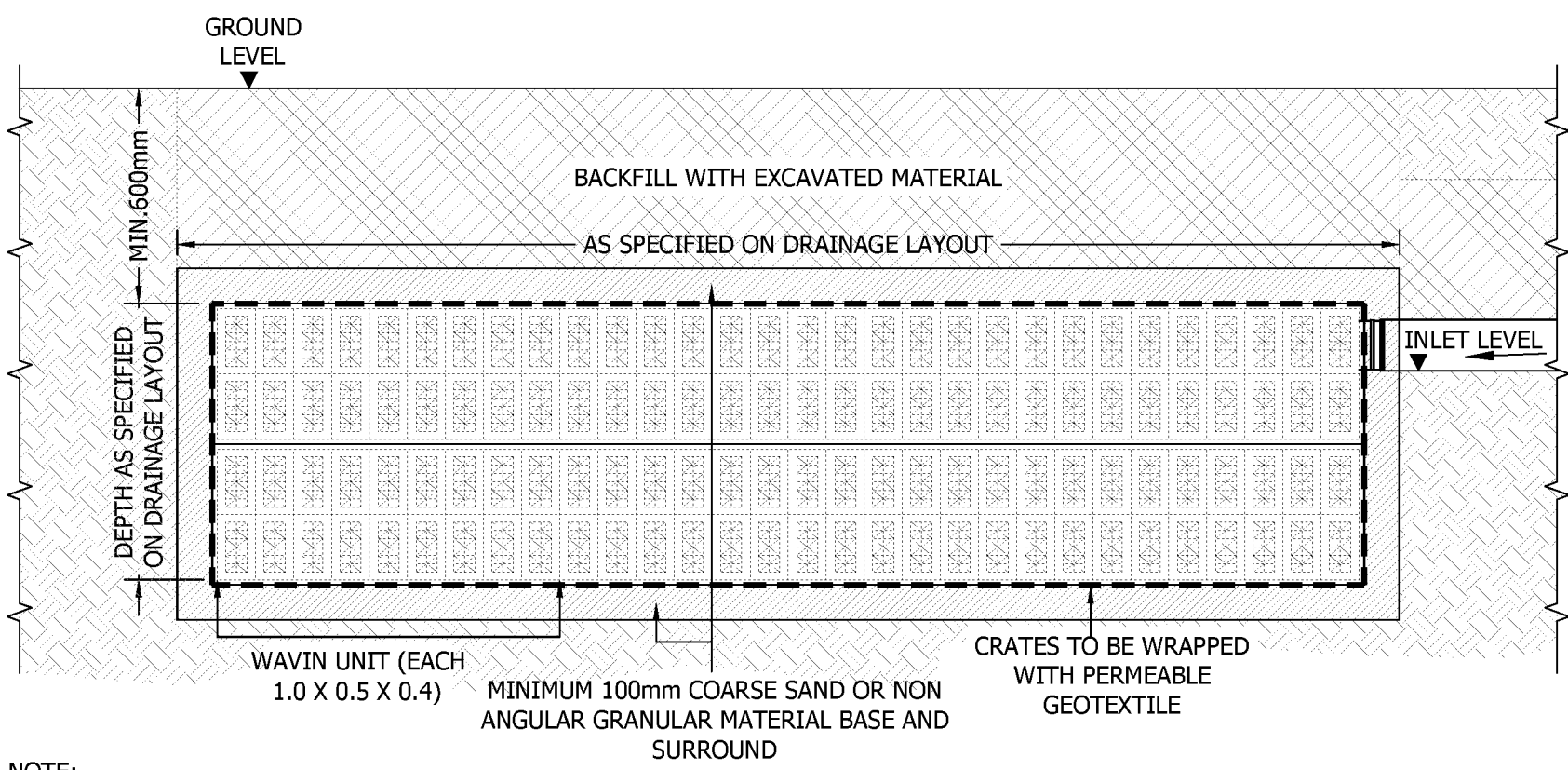


TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4



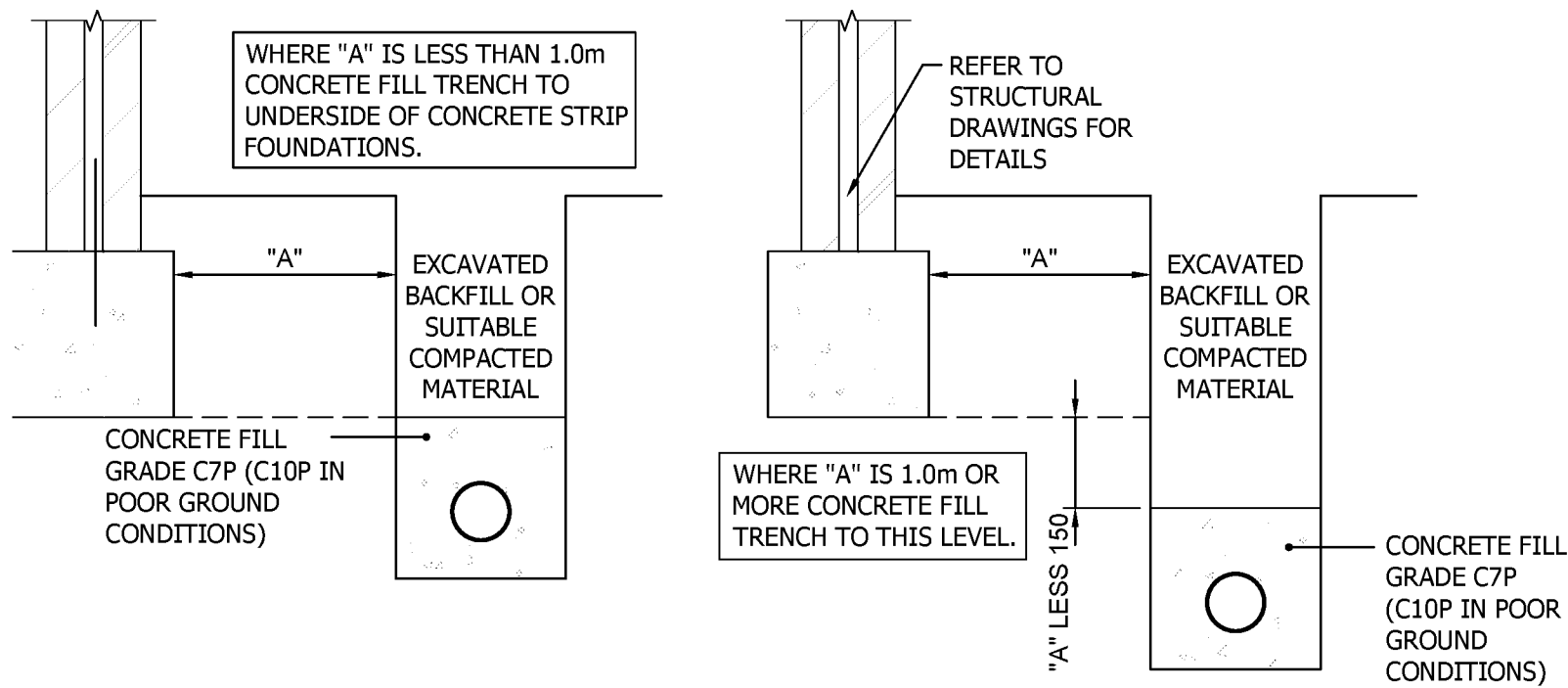
TYPICAL CATCHPIT CHAMBER DETAIL (REF CP1)

SUMP MIN.300mm BELOW THE INVERT LEVEL



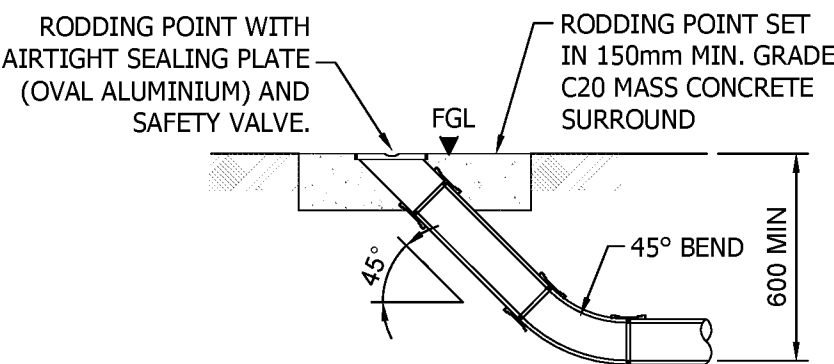
NOTE: AQUACELL OR EQUIVALENT UNITS TO BE LAID PARALLEL WITH EACH OTHER. IN MULTIPLE LAYER APPLICATIONS, CONTINUOUS VERTICAL JOINTS SHOULD BE AVOIDED AND LAID IN A "BRICK BONDED" FORMATION. FOR SINGLE LAYER APPLICATIONS USE THE WAVIN CLIPS AND FOR MULTI LAYERS USE WAVIN CLIPS AND WAVIN SHEAR CONNECTORS. ALL AQUACELL EQUIVALENT UNITS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

TYPICAL SOAKAWAY DETAIL "WAVIN AQUACELL"

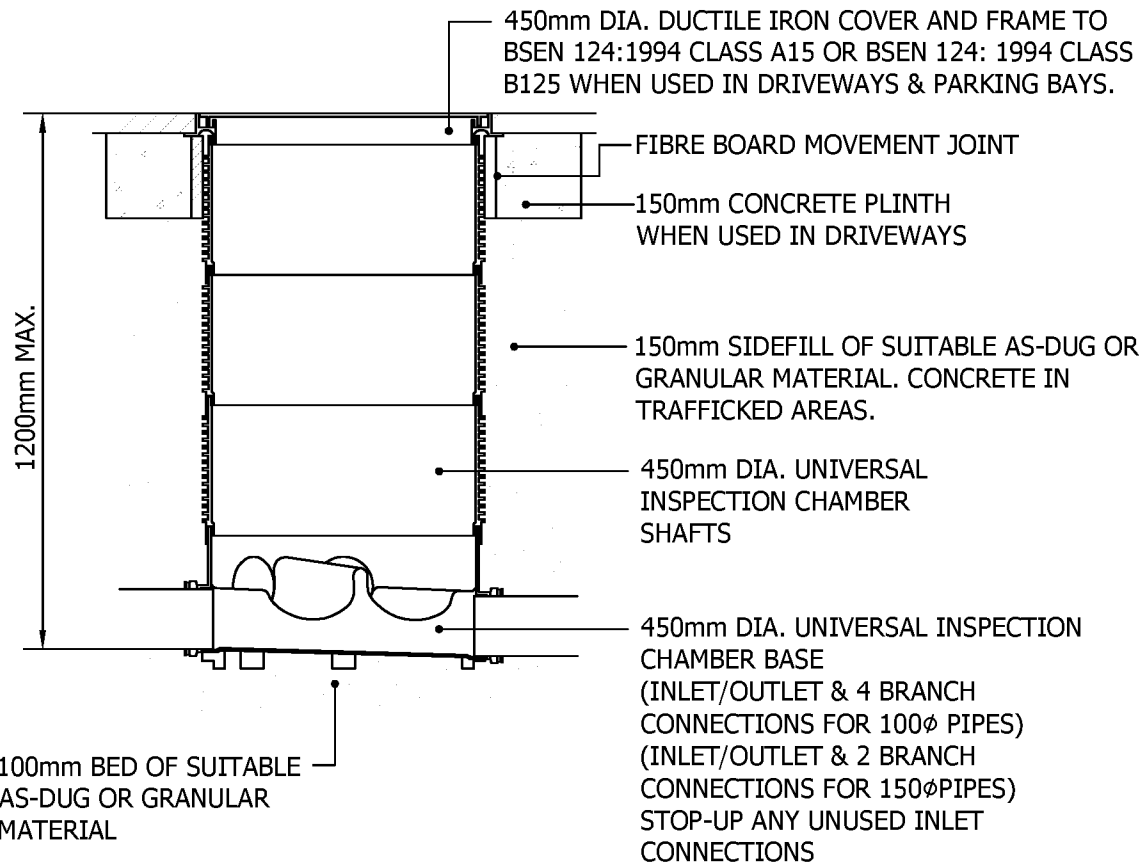


PIPE RUNS NEAR BUILDING FOUNDATIONS

TABLE B.1 - MANHOLE DIAMETERS	
NOMINAL INTERNAL DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	MINIMUM NOMINAL INTERNAL DIMENSION OF MANHOLE (mm)
LESS THAN 375	1200
375 - 450	1350
500 - 700	1500
750 - 900	1800
GREATER THAN 900	PIPE DIAMETER + 900

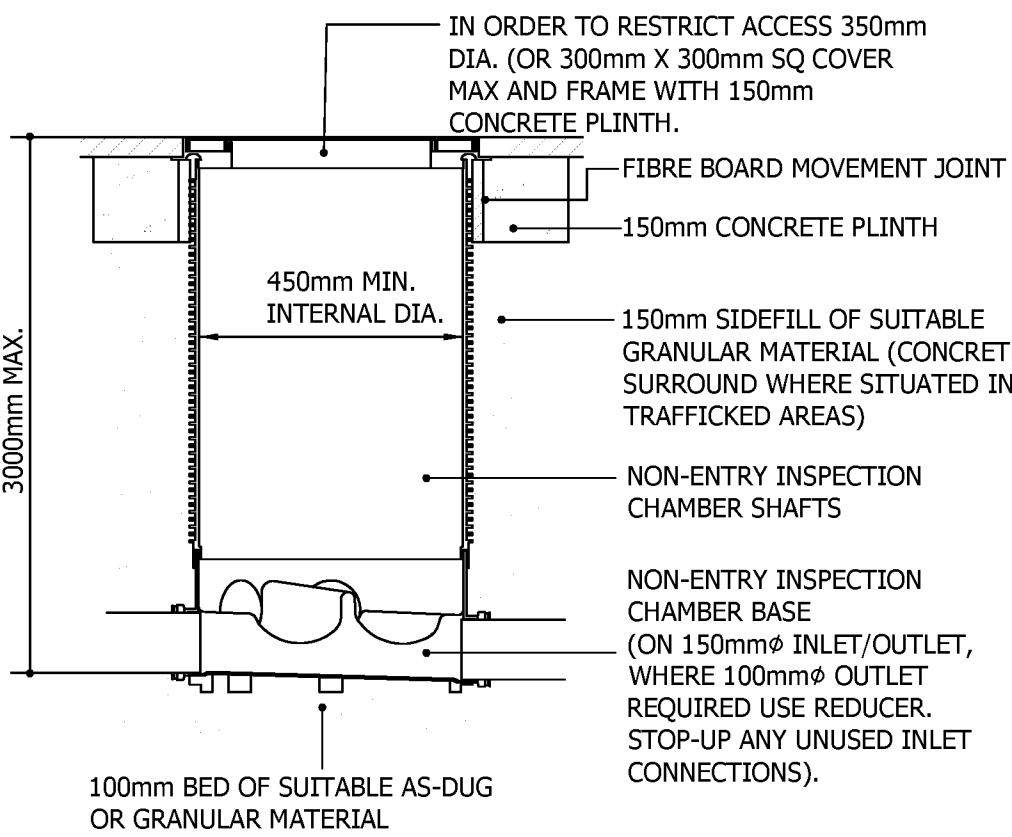


EXTERNAL RODDING EYE



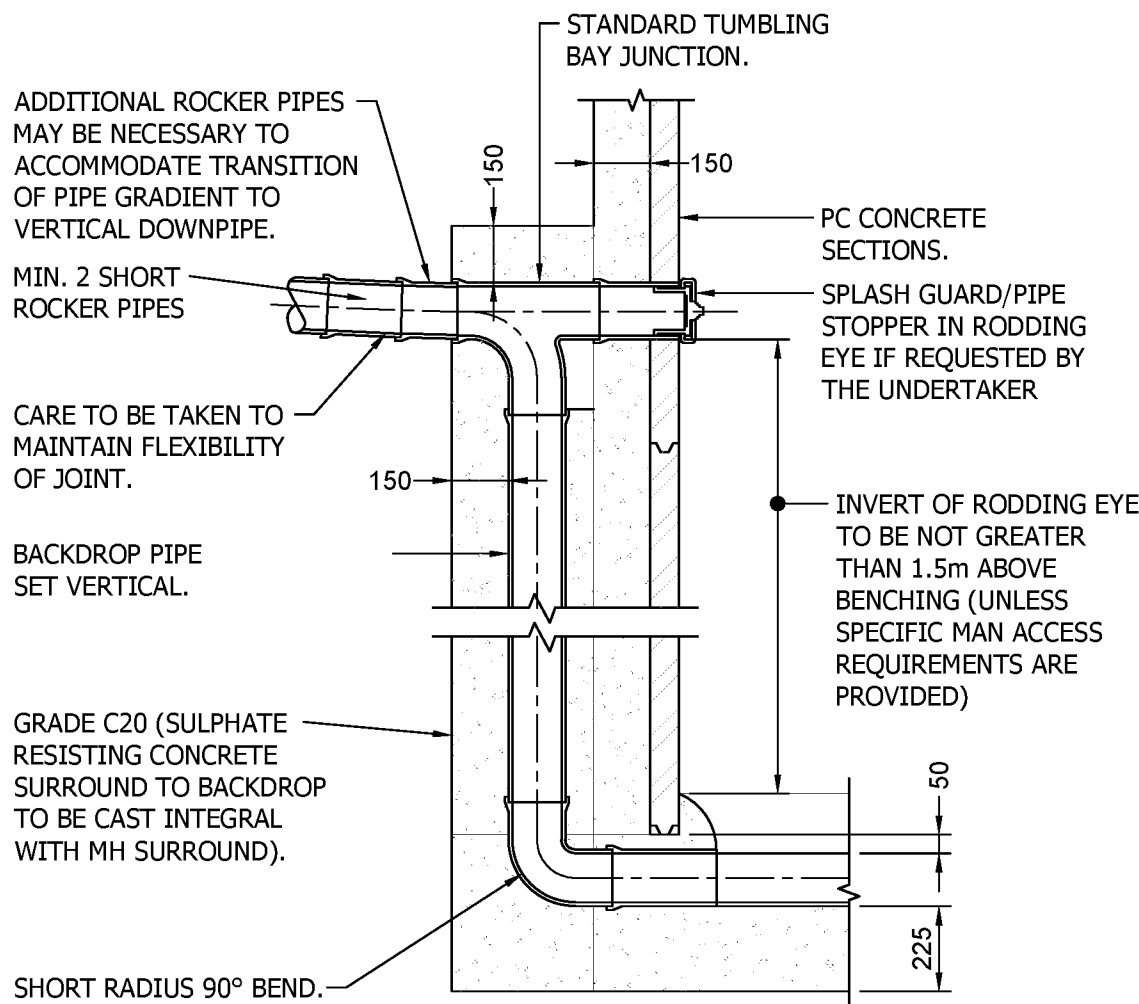
SEWERS FOR ADOPTION TYPE 4A MANHOLE

INSPECTION CHAMBER WITH MAXIMUM DEPTH OF 1.2m, FOR USE IN SOFT AREAS, DRIVEWAYS AND PARKING BAYS ONLY (SCALE 1:20)



SEWERS FOR ADOPTION TYPE 3A MANHOLE

INSPECTION CHAMBER WITH MAXIMUM DEPTH OF 3.0m, FOR USE IN SOFT AREAS, DRIVEWAYS AND PARKING BAYS ONLY (SCALE 1:20)



TYPICAL EXTERNAL BACKDROP DETAIL

FOR USE IN SOFT AREAS, DRIVEWAYS AND PARKING BAYS ONLY (SCALE 1:20)

03

10.03.20

PL/PL

DETAILS MOVED TO SHEET 2.

02

21.02.20

PL/PL

PIPE CROSSING WITH MINIMAL SEPARATION DETAIL ADDED

01

24.01.20

PL/PL

NOTES AMENDED, ISSUED FOR CONSTRUCTION

02

15.11.19

PL/PL

TYPE 4 MANHOLE ADDED

01

31.10.19

HJB/PL

PRELIMINARY ISSUE

REV

DATE

DRAWN/CHK

REVISION INFO

STATUS:

FOR CONSTRUCTION

CLIENT:

SAVISTA DESIGN AND BUILD

PROJECT:

POUND PLACE

ROUNDSTONE ROAD

ANGMERING

DRAWING TITLE:

PROPOSED DRAINAGE DETAILS

(SHEET 1)

JOB NUMBER:

SCALE AT A1:

REV. STATUS:

SE1612

N.T.S.

S4

DRAWING NUMBER:

REVISION:

PP-1SS-XX-XX-DR-C-3201

C03

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BRISTOL

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MANCHESTER

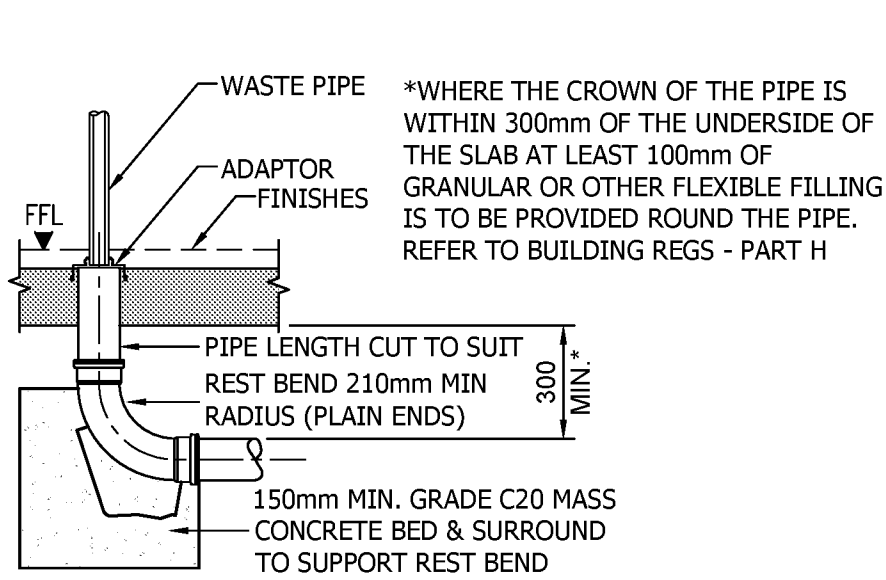
COMMERCIAL WHARF | 6 COMMERCIAL STREET

MANCHESTER, M15 4PZ | UK

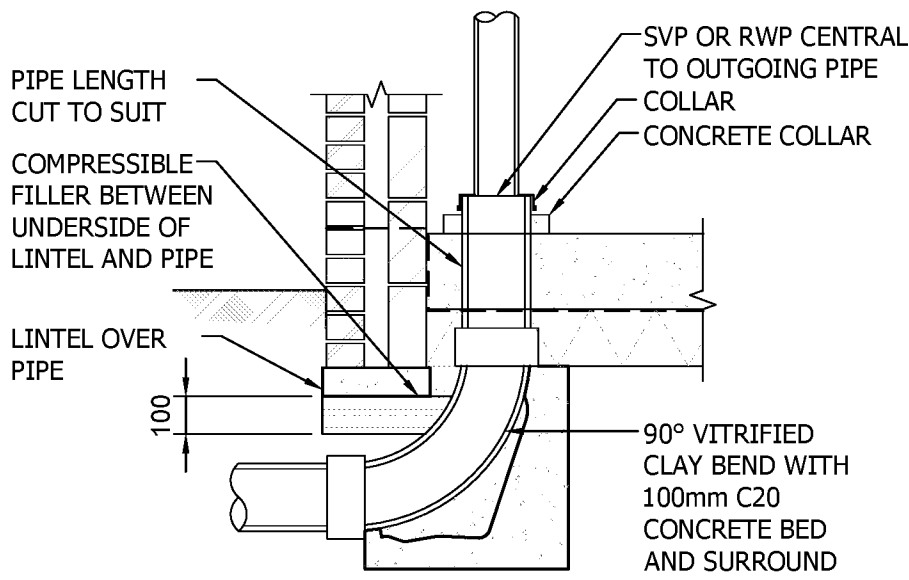
T: +44 (0)845 643 2741

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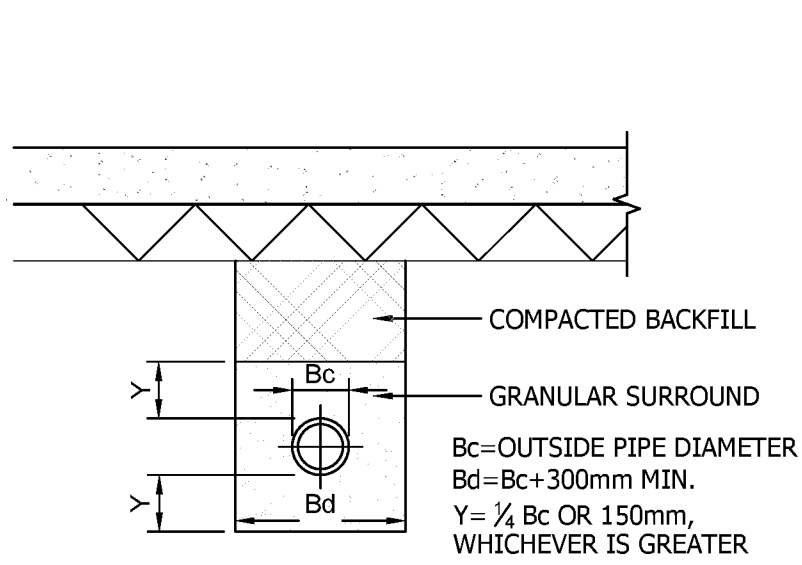
NOTES:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DRAINAGE STANDARD NOTES DRAWING, REFERENCE PP-1SS-XX-XX-DR-C-3004.



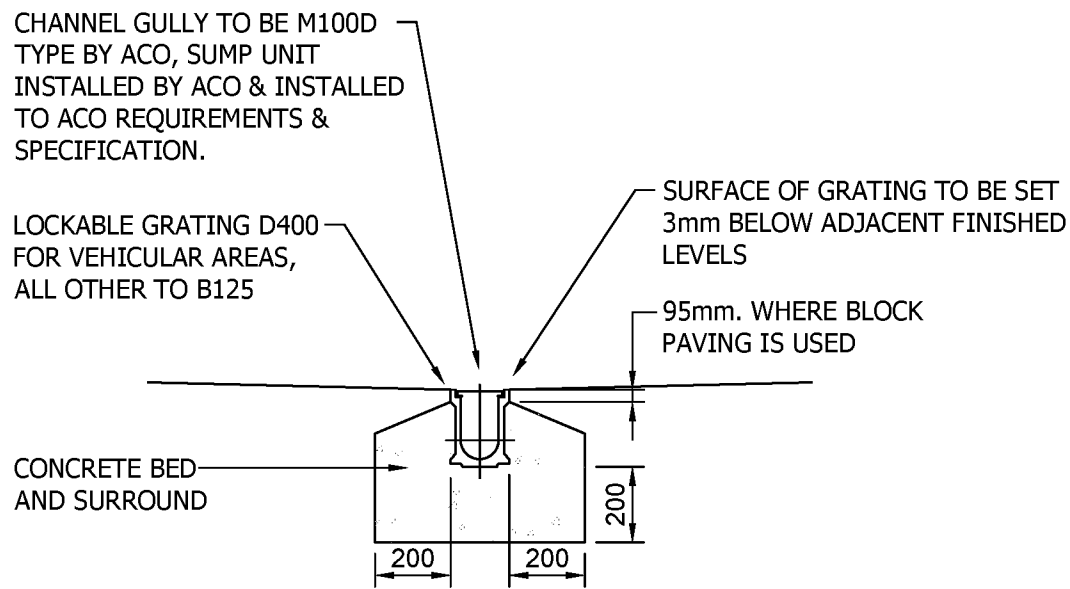
INTERNAL WASTE



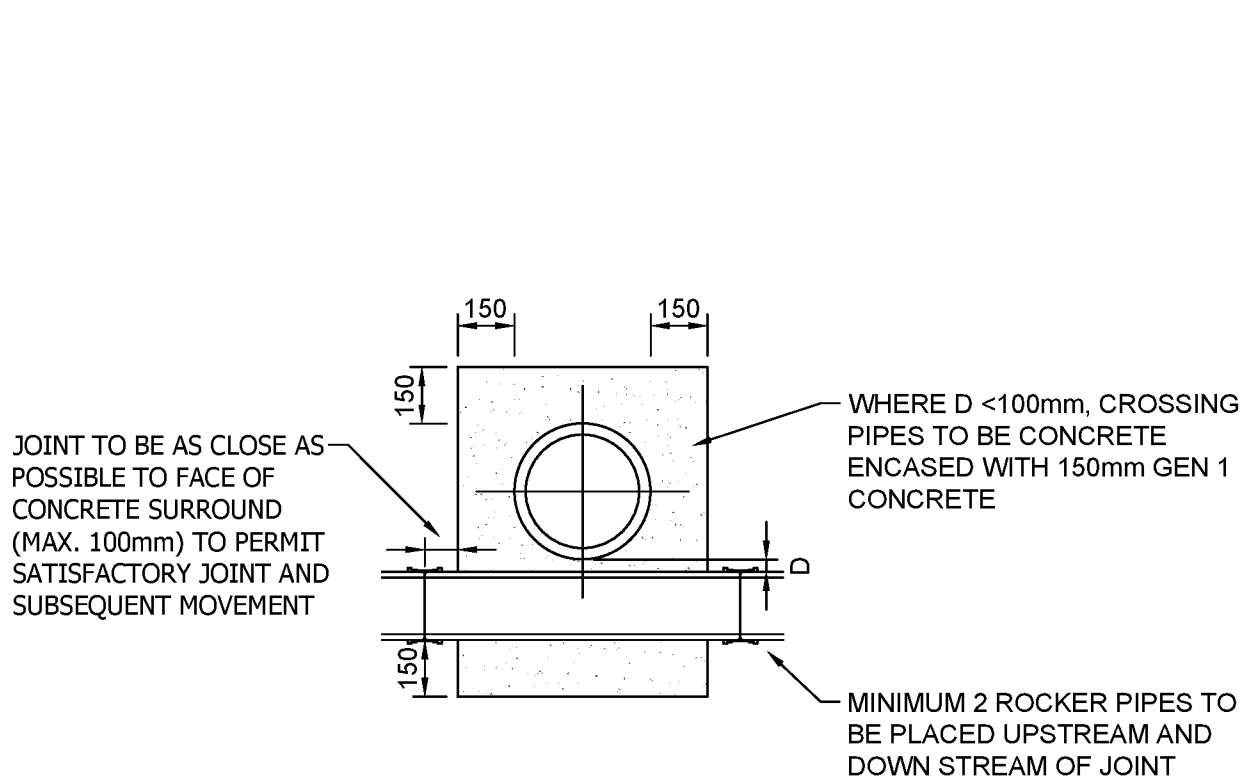
INTERNAL SVP/RWP



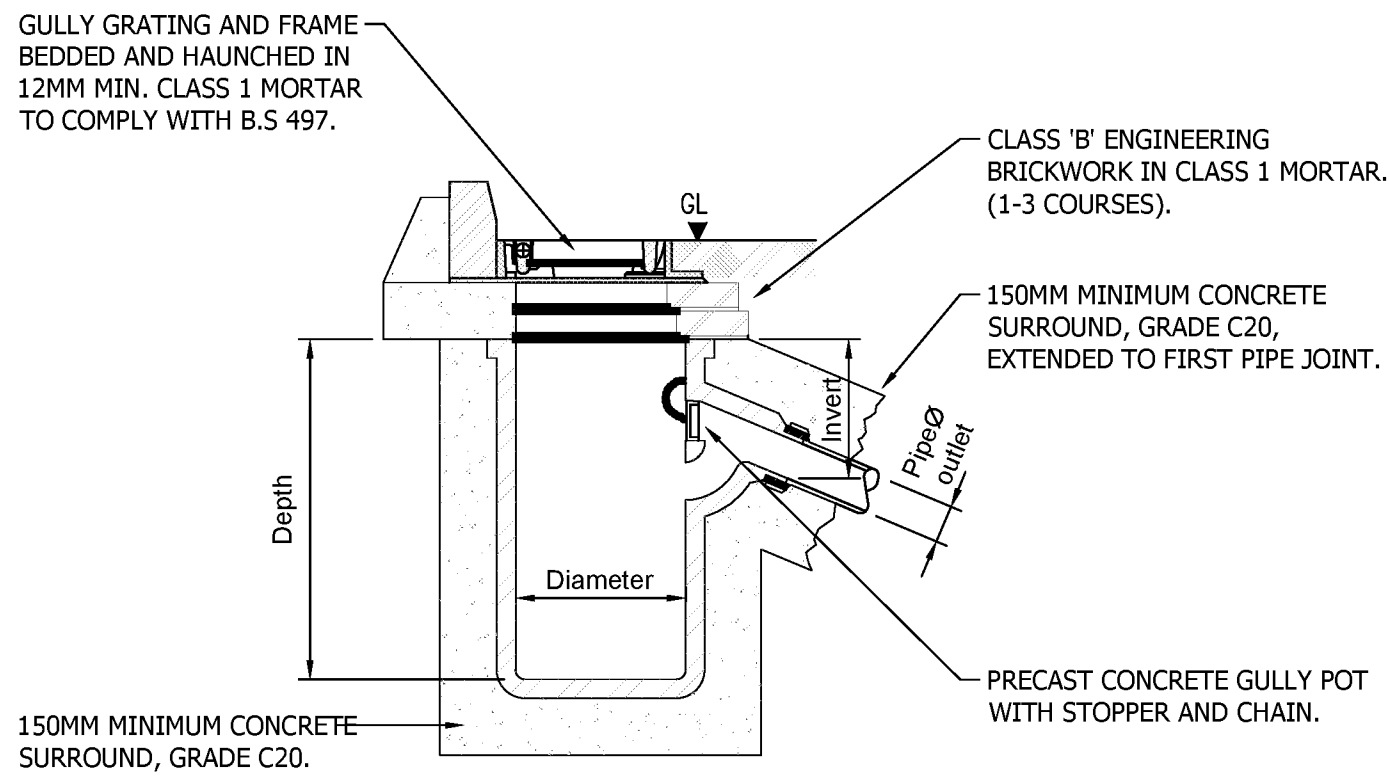
PIPEWORK UNDER SLABS



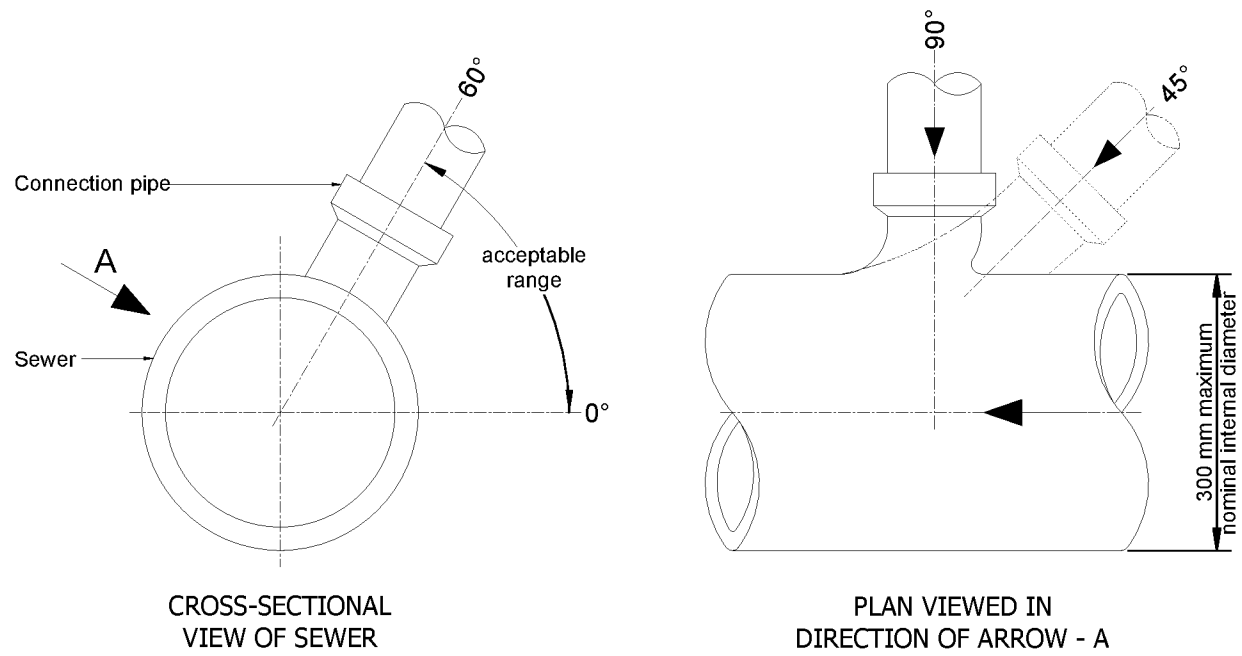
LINEAR DRAINAGE CHANNEL



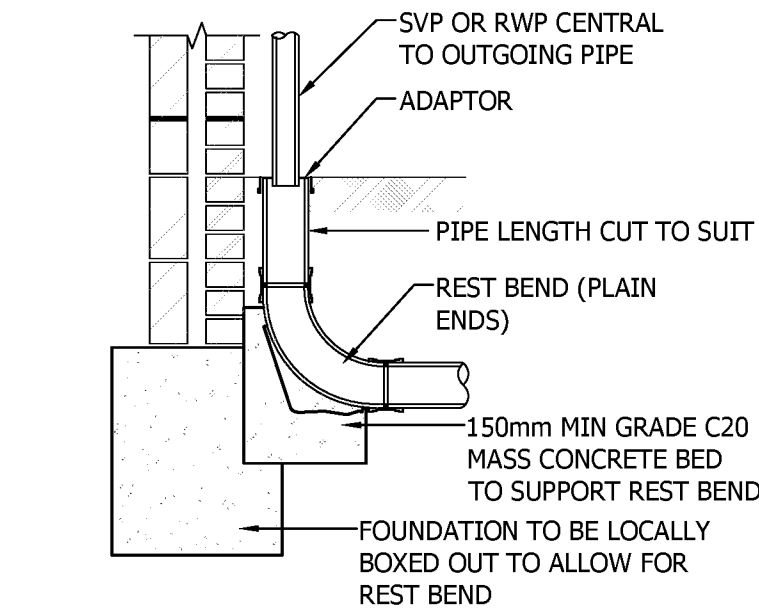
PIPES CROSSING WITH MINIMAL SEPARATION



TYPICAL ROAD GULLY DETAIL

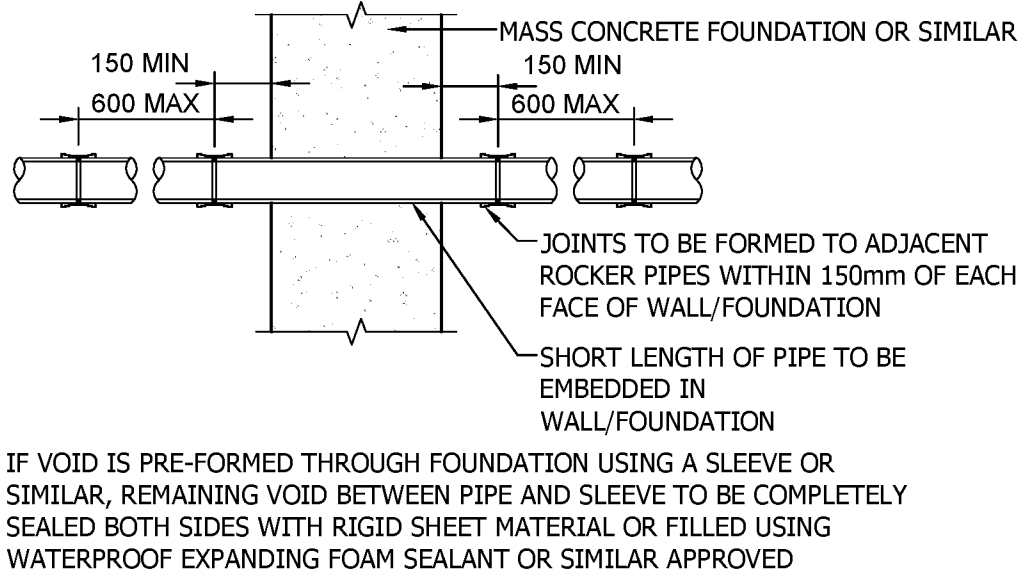


CONNECTIONS TO SEWER

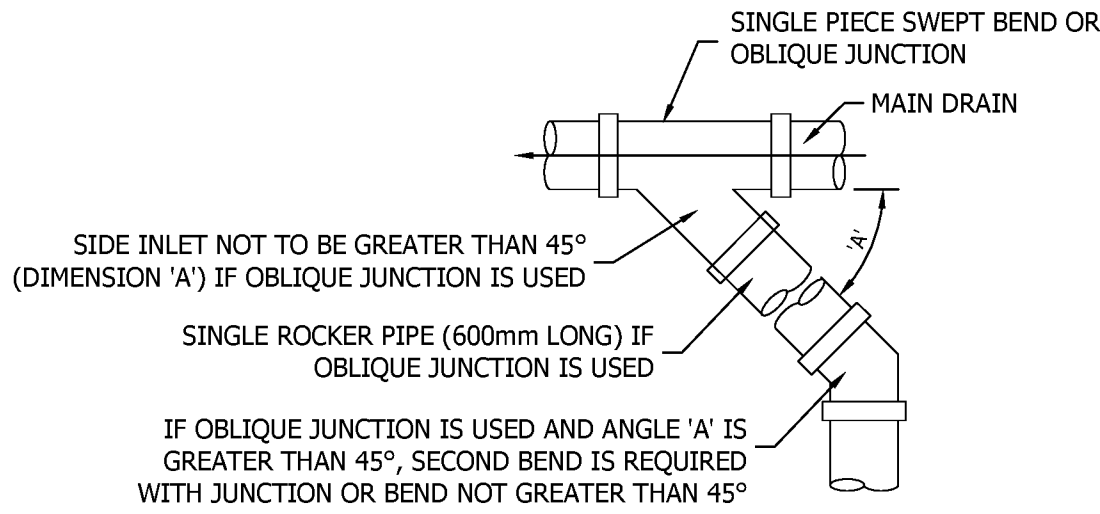


EXTERNAL RWP

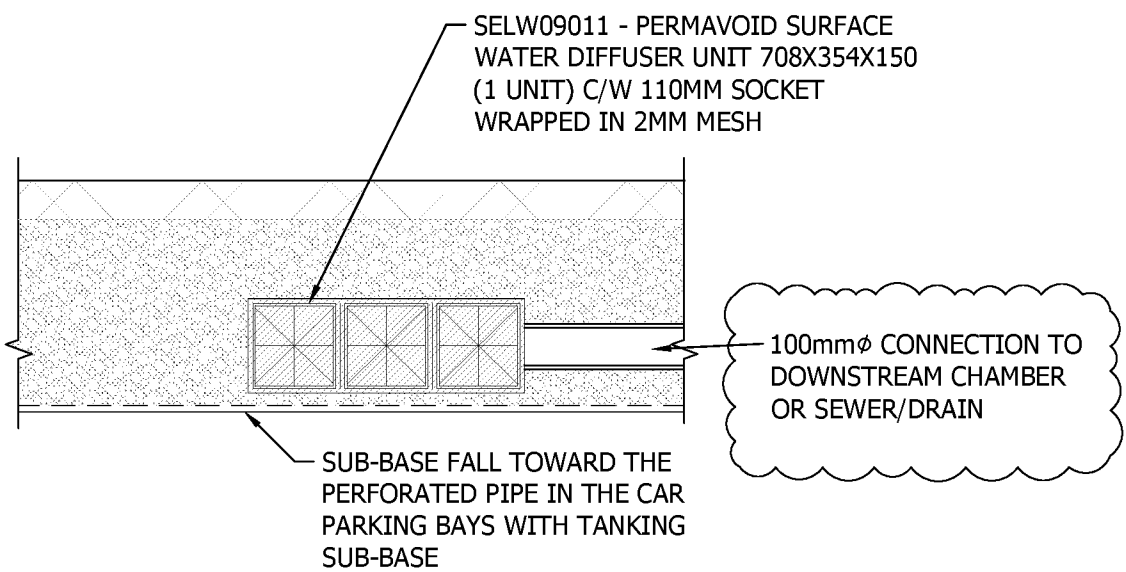
ABOVE DETAIL IS ONLY TO BE USED WHERE SVP/RWP CONNECTS DIRECTLY TO ACCESS CHAMBER, INSPECTION CHAMBER OR MANHOLE



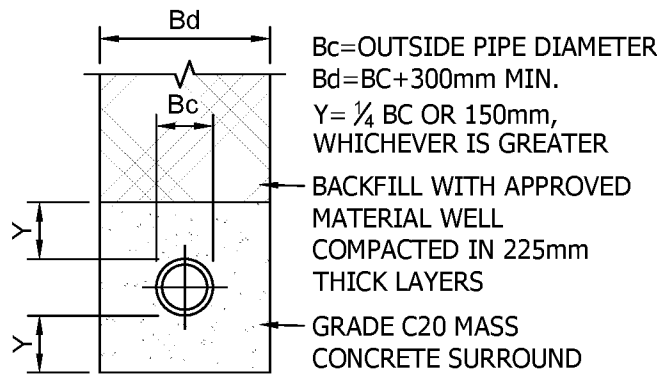
PIPE/FOUNDATION JUNCTION



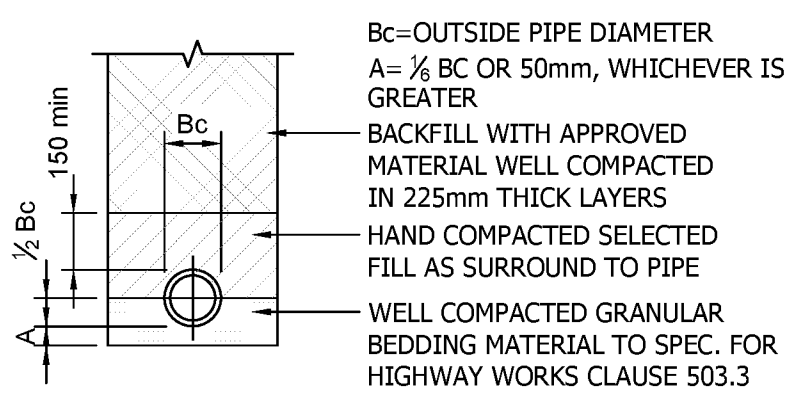
BLIND CONNECTION ON PRIVATE DRAINAGE



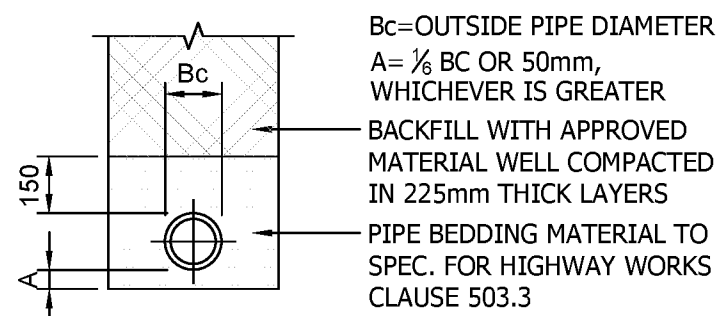
SUB-BASE SURFACE WATER DIFFUSER TYPE DETAIL



CLASS Z BEDDING (CONCRETE BED & SURROUND)



CLASS B BEDDING (GRANULAR BED & HAUNCH)



CLASS S BEDDING (GRANULAR BED & SURROUND)

REV	DATE	DRAWN/CHK	REVISION INFO
C03	08.04.20	PL/PL	DETAIL ADDED AS CLOUDED
C02	28.03.20	PL/PL	NOTES AMENDED AS CLOUDED
C01	10.03.20	PL/PL	ISSUED FOR CONSTRUCTION

STATUS:

FOR CONSTRUCTION

CLIENT:
SAVISTA DESIGN AND BUILD

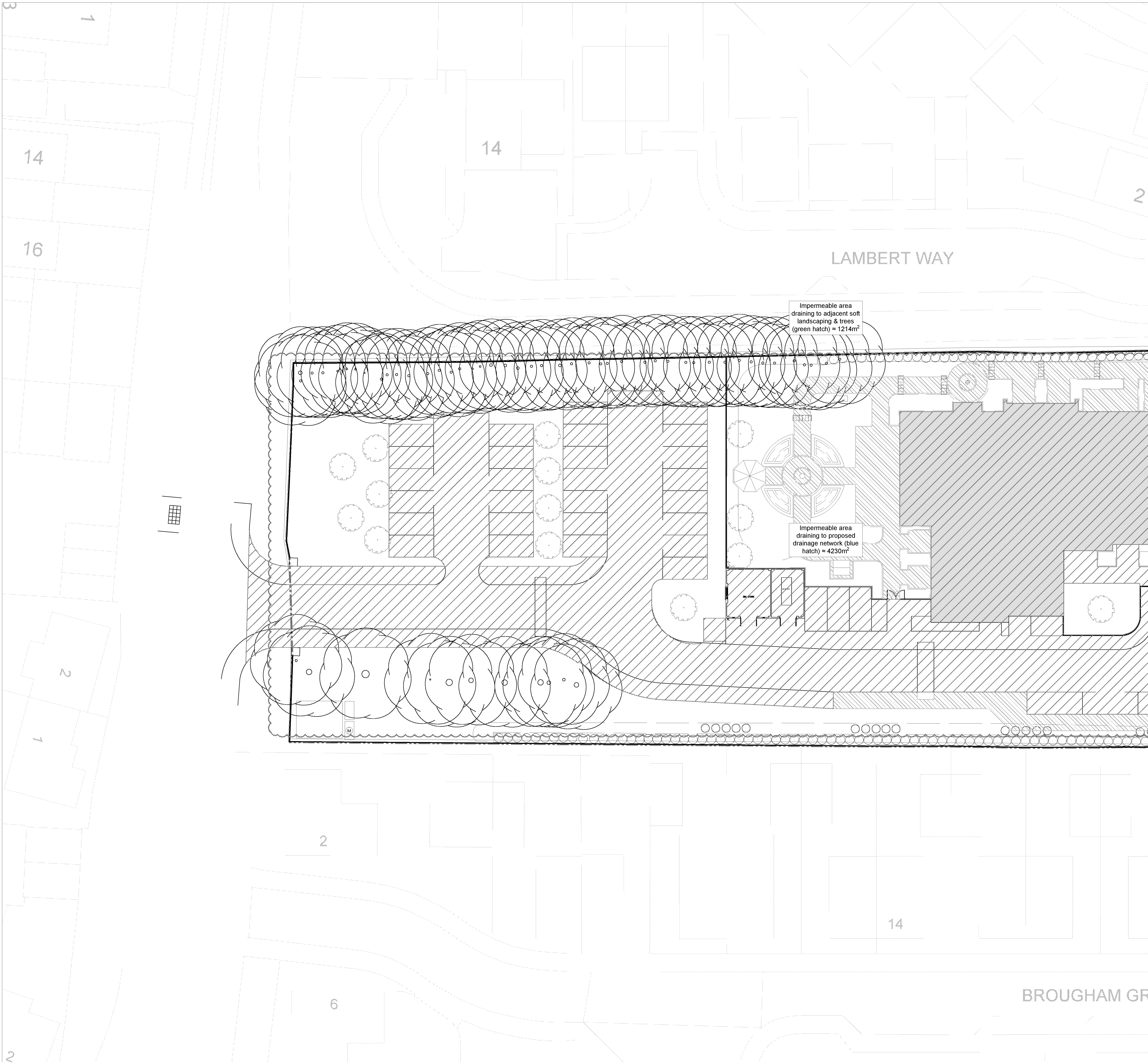
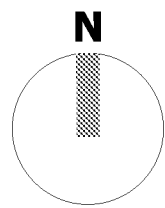
PROJECT:
POUND PLACE
ROUNDSTONE ROAD
ANGMERING

DRAWING TITLE:
PROPOSED DRAINAGE DETAILS
(SHEET 2)

JOB NUMBER:	SCALE AT A1:	REV. STATUS:
SE1612	N.T.S.	S4
DRAWING NUMBER:		REVISION:
PP-1SS-XX-XX-DR-C-3202		C03

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APPROVED FOR CONSTRUCTION



CONTINUED ON DRG PP-ISS-XX-XX-DR-C-3501

NOTES:

- 1. Site plan provided by Architect.

P02	21.02.20	PL/TW	SITE PLAN UPDATED, AREAS REVISED.
P01	22.11.19	PL/TW	FOR INFORMATION
REV	DATE	DRAWN/CHK	REVISION INFO
STATUS:			

FOR APPROVAL

CLIENT:
SAVISTA DESIGN AND BUILD

PROJECT:
POUND PLACE
ROUNDSTONE ROAD
ANGMERING

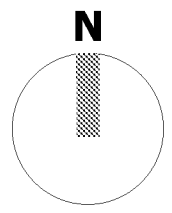
DRAWING TITLE:
PROPOSED
IMPERMEABLE AREAS
SHEET 1

JOB NUMBER:	SCALE AT A1:	REV. STATUS:
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DRAWING NUMBER:	REVISION:	
PP-ISS-XX-XX-DR-C-3500	P02	

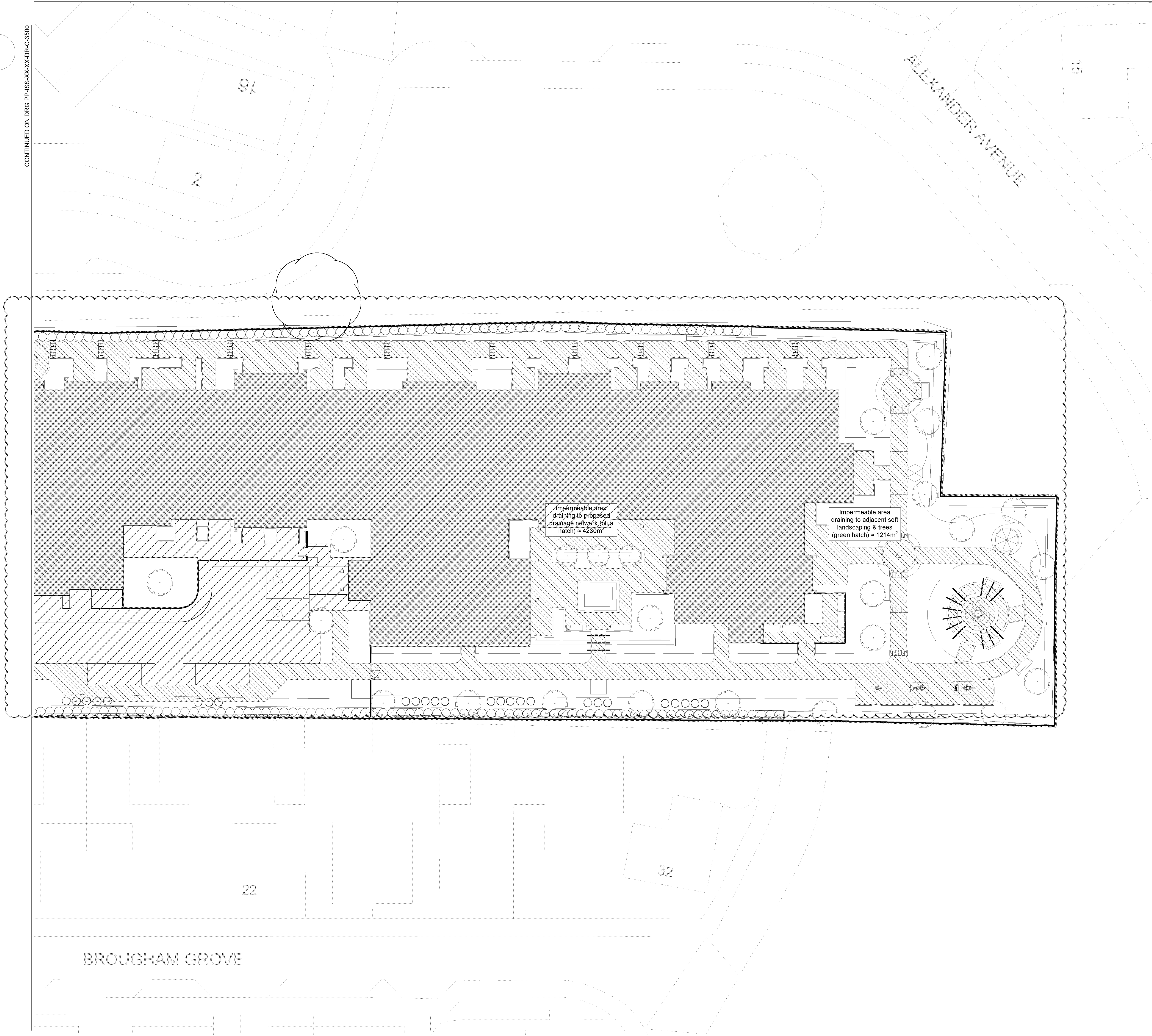
IESIS STRUCTURES

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CONTINUED ON DRG PP-ISS-XX-XX-DR-C-3500



P02	21.02.20	PL/TW	SITE PLAN UPDATED, AREAS REVISED.
P01	22.11.19	PL/TW	FOR INFORMATION
REV	DATE	DRAWN/CHK	REVISION INFO
STATUS:			

FOR APPROVAL

CLIENT:
SAVISTA DESIGN AND BUILD

PROJECT:
POUND PLACE
ROUNDSTONE ROAD
ANGMERING

DRAWING TITLE:
PROPOSED
IMPERMEABLE AREAS
SHEET 2

JOB NUMBER:	SCALE AT A1:	REV. STATUS:
SE1612	SHEET 2	S2
DRAWING NUMBER:	REVISION:	
PP-ISS-XX-XX-DR-C-3501	P02	

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