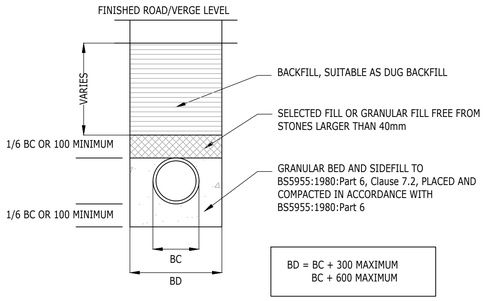
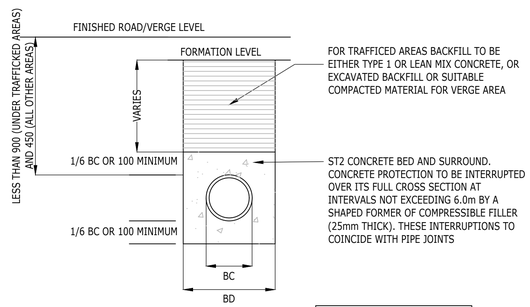


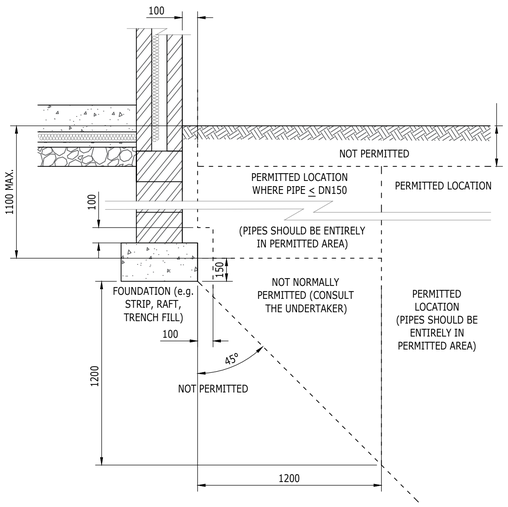
TYPICAL TRENCH DETAIL

TABLE 1. DEPTHS OF COVER REQUIRING SPECIAL PROTECTION

LESS THAN 450mm	GARDENS AND GRASS AREAS
LESS THAN 900mm	ROADS, DRIVES & PARKING AREAS

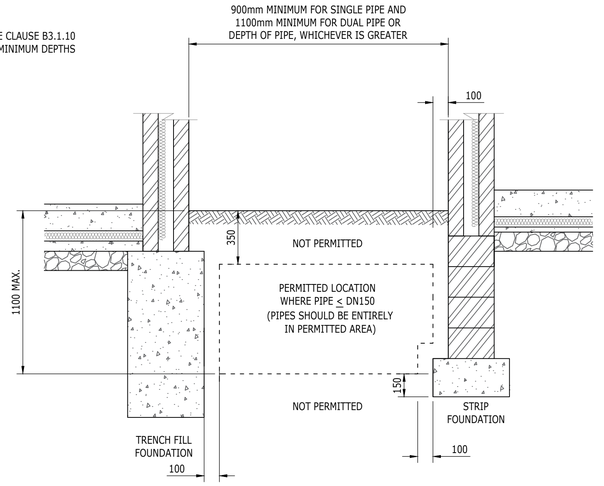


SHALLOW TRENCH DETAIL



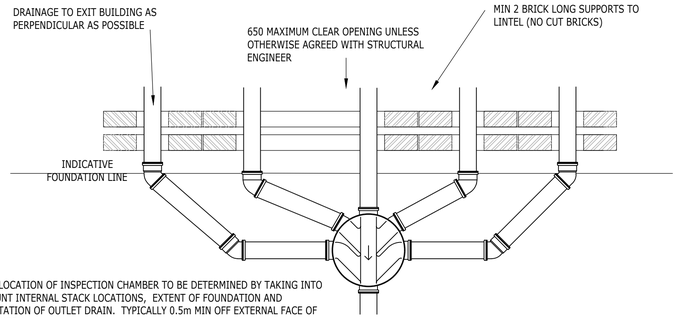
PERMITTED LOCATION OF SEWERS AND LATERAL DRAINS IN PROXIMITY TO BUILDINGS (FIGURE 1)

(1:20)



PERMITTED LOCATION OF SEWERS AND LATERAL DRAINS BETWEEN BUILDING (OPTION B)

(1:20)

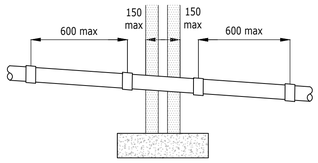


FINAL LOCATION OF INSPECTION CHAMBER TO BE DETERMINED BY TAKING INTO ACCOUNT INTERNAL STACK LOCATIONS, EXTENT OF FOUNDATION AND ORIENTATION OF OUTLET DRAIN. TYPICALLY 0.5m MIN OFF EXTERNAL FACE OF BRICKWORK.

UNIVERSAL INSPECTION CHAMBER - FULL USAGE DETAIL

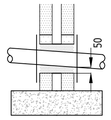
TO INDICATE LINTEL SUPPORT REQUIREMENTS / TYPICAL DRAINAGE ARRANGEMENT

(A) SHORT LENGTH OF PIPE BEDDED IN WALL, JOINTS FORMED WITHIN 150 OF EITHER WALL FACE. ADJACENT ROCKER PIPES OF MAX. LENGTH 600 WITH FLEXIBLE JOINTS.



OR

(B) ARCH OR LINTELED OPENING TO GIVE 50 SPACE ALL ROUND THE PIPE.



MASK OPENING BOTH SIDES WITH RIGID SHEET MATERIAL TO PREVENT ENTRY OF FILL OR VERMIN.

IMPORTANT: FILL VOID WITH COMPRESSIBLE SEALANT TO PREVENT ENTRY OF GAS.

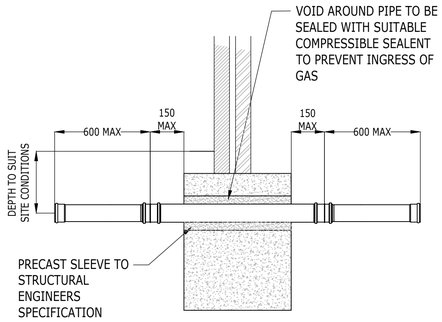


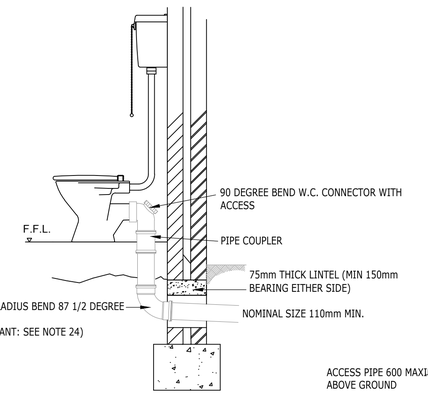
TABLE 2. ROCKER/SHORT PIPE LENGTHS

Pipe Ø (mm)	Rocker pipe length (m)
150-600	0.6
650-750	1.0
825 and over	1.25

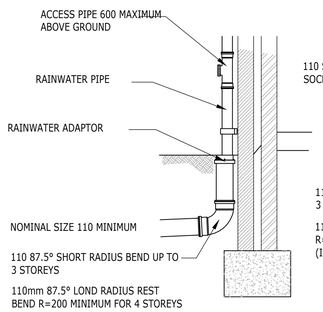
Short length pipes to be similar length to rocker pipe

PIPES THROUGH WALLS

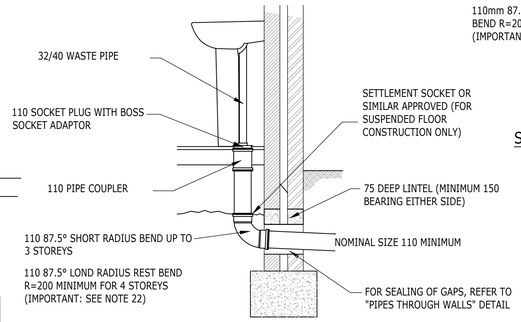
(BUILDING REGS PART H1 - DIAGRAM 7)



W.C. DIRECT TO DRAIN

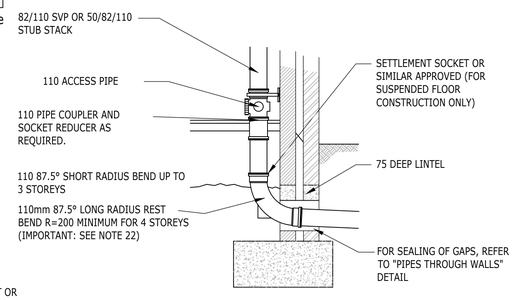


EXTERNAL R.W.P. TO DRAIN



INTERNAL WASTE PIPE CONNECTION

INTERNAL SOIL AND VENT PIPE LATERAL RUNNING THROUGH FOUNDATIONS



SOIL AND VENT PIPE CONNECTION AND STUB STACK CONNECTION

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION, INC. RISK ASSESSMENTS (SEE ALSO CDM NOTES BELOW) AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
2. DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
3. NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
4. ALL PRIVATE DRAINAGE IS TO COMPLY AND BE LAID IN ACCORDANCE WITH CURRENT PART H OF BUILDING REGULATIONS , BS 8301 AND BS 5955.
5. ALL WORKS FOR ADOPTION UNDER A SECTION 104, 185 OR 98 AGREEMENT SHALL BE CARRIED OUT TO THE NATIONAL WATER COUNCIL GUIDE "SEWERS FOR ADOPTION" 6TH EDITION AND SOUTHERN WATER'S REQUIREMENTS.
6. REFER TO ARCHITECT'S HOUSE TYPE (WORKING) DRAWINGS FOR EXACT POSITION OF DRAINAGE POINTS.
7. POSITION & INVERT LEVELS OF ALL EXISTING MANHOLES, SEWERS AND LATERALS TO BE CONFIRMED PRIOR TO CONSTRUCTION & ANY DISCREPANCIES REPORTED TO THE ENGINEER.
8. ALL DRAIN AND SEWER PIPES ARE TO BE LAID SOFFIT TO SOFFIT, UNLESS SHOWN OTHERWISE (SEE ALSO MANHOLE SCHEDULE DRAWINGS).
9. ALL PLOT DRAINAGE TO BE 100mm Ø UNLESS SHOWN OTHERWISE, LAID IN ACCORDANCE WITH BS 8301.
10. ALL MATERIALS SHALL COMPLY TO THE BSI KITE MARK CERTIFICATION SCHEME AND MUST BE MARKED ACCORDINGLY.
11. COVER AND FRAMES TO MANHOLES/INSPECTION CHAMBERS TO COMPLY WITH BS EN124. REFER TO PRIVATE DRAINAGE CONSTRUCTION DETAILS DRAWING.
12. WHERE FINISHED GROUND LEVELS FALL TOWARDS BUILDING, AN OPEN GULLY IS TO BE PROVIDED AT THE FOOT OF ALL RAINWATER PIPES. ALL RAINWATER PIPES TO HAVE RODDING ACCESS.
13. FINAL POSITIONS OF INSPECTION CHAMBERS WITHIN PRIVATE AREAS ARE SUBJECT TO CONFIRMATION ON SITE TO SUIT PIPE CONFIGURATIONS AND CHAMBER INLET POSITIONS.
14. WHERE A DRAIN RUN PASSES THROUGH A WALL OR FOUNDATION IT IS NECESSARY TO:
 i) FORM AN OPENING USING A CONCRETE LINTEL WITH AT LEAST 50mm CLEARANCE AROUND THE PIPE AND THE OPENINGS MASKED WITH RIGID SHEET MATERIAL TO PREVENT ENTRY OF FILL OR VERMIN, OR:
 ii) BUILD IN A LENGTH OF PIPE WITH ITS JOINTS AS CLOSE AS POSSIBLE TO THE WALL FACES (150mm MAXIMUM) AND CONNECTED ON EACH SIDE TO 600mm LONG ROCKER PIPES WITH FLEXIBLE JOINTS.
15. PLOT DRAINAGE TO BE BEDDED ON GRANULAR MATERIAL AND BACKFILLED WITH SUITABLE CLEAN MATERIAL, AS DESCRIBED ON THE PRIVATE DRAINAGE CONSTRUCTION DETAILS DRAWINGS. SEE ALSO SHALLOW DRAINAGE TRENCH DETAIL AND PIPE RUNS NEAR BUILDINGS DETAIL FOR CONCRETE BED AND SURROUND PIPE PROTECTION MEASURES WHERE APPLICABLE.
16. BACKFILL SHOULD BE PLACED IN LAYERS NOT EXCEEDING 300mm (UNCOMPACTED THICKNESS), EACH LAYER BEING WELL COMPACTED. MECHANICAL COMPACTION EQUIPMENT SHOULD NOT BE USED UNTIL THERE IS A MINIMUM OF 450mm OF COMPACTED MATERIAL ABOVE THE CROWN OF THE PIPE.
17. ALL DRAIN CONNECTIONS BENEATH THE HIGHWAY ARE TO HAVE MINIMUM 150mm CONCRETE BED AND SURROUND, WHERE COVER IS LESS THAN 1.2m.
18. REFER TO PRE-TENDER HEALTH & SAFETY PLAN & CONSTRUCTION PHASE HEALTH & SAFETY PLAN PRIOR TO THE COMMENCEMENT OF WORKS.

CDM NOTES:

1. THE ATTENTION OF THE CLIENT AND THE PRINCIPAL CONTRACTOR IS DRAWN TO THE FOLLOWING POTENTIAL RISKS IN CONJUNCTION WITH THE PROPOSED ON-SITE AND OFF-SITE WORKS AS DESIGNED FOR THIS PROJECT.
2. WORKS IN THE VICINITY OF LIVE SERVICES INCLUDING GAS, ELECTRICITY AND BT WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
3. WORKS WITHIN AND ABUTTING THE EXISTING HIGHWAY WILL ENTAIL TRAFFIC HAZARDS AND ALL APPROPRIATE SAFETY MEASURES INCLUDING BARRIERS, SIGNS AND LIGHTING MUST BE UNDERTAKEN TO THE APPROVAL OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE DEPARTMENT.
4. HAZARDOUS MATERIALS INCLUDING CEMENT AND BITUMINOUS MATERIALS ARE SPECIFIED AND THE MANUFACTURERS ADVICE ON SAFE HANDLING PROCEDURES MUST BE OBTAINED AND MADE CLEAR TO ALL OPERATIVES.
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES WITHIN THE VICINITY OF THE WORKS HAND DUG AND ENSURE THESE ARE PROTECTED THROUGHOUT THE DURATION OF THE WORKS. ALL UTILITY PLANT SHOULD BE CLEARLY MARKED ON THE GROUND PRIOR TO COMMENCEMENT OF THE WORKS.
6. THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.

CONSTRUCTION ISSUE

Rev	Description	Drn	Chk	App	Date
C1	CONSTRUCTION ISSUE	DAM	DP	DM	07.08.20

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Client: LINDEN HOMES SOUTH

Project Title: WOODCROFT LANE, LOVEDEAN, PHASE 2

Drawing Title: PLOT DRAINAGE DETAILS SHEET 1

A1 Scale	Date	Designed by
NTS	JUL 2020	DAM
Drawn by	Checked by	Approved by
DAM	DP	DM

Drawing Number: 192931-086 Rev C1

user name: david patterson

File Location: k:\192931 - woodcroft lane, lovedean, phase 2 (detailed design)\technical\acad\drawings\192931-086-087 plot drainage details.dwg