

NON-STRUCTURAL CHAMBER DETAIL/SECTION

PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13598-1 AND BS EN 13598-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL

MORTAR BEDDING AND HAUNCHING TO COVER AND FRAME TO SIA7 CLAUSE E6.7

SURFACE COURSE
BINDER COURSE
BASE COURSE

PRECAST CONCRETE SLAB OR IN-SITU CONCRETE SLAB TO SUPPORT COVER AND FRAME

FLEXIBLE SEAL

TEMPORARILY CAP SHAFT DURING CONSTRUCTION

JOINTS BETWEEN BASE AND SHAFT AND BETWEEN SHAFT COMPONENTS TO BE FITTED WITH WATERTIGHT SEALS

JOINT TO BE AS CLOSE AS POSSIBLE TO FACE OF CHAMBER TO PERMIT SATISFACTORY JOINT AND SUBSEQUENT MOVEMENT

NOTE: WHERE THE ACCESS CHAMBER IS IN THE HIGHWAY THE HIGHWAY AUTHORITY CAN HAVE SPECIFIC REQUIREMENTS

TYPICAL INSPECTION CHAMBER DETAIL - TYPE 3 (Flexible material detail)

SCALE 1:10
MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE IN AREAS SUBJECT TO VEHICLE LOADING 3m, NON-ENTRY

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MORTAR BEDDING AND HAUNCHING TO COVER AND FRAME TO SIA7 CLAUSE E6.7

150mm DEEP CONCRETE COLLAR

TEMPORARILY CAP SHAFT DURING CONSTRUCTION

FLEXIBLE SEAL

MINIMUM INTERNAL DIMENSIONS 450mm DIAMETER or 450mm x 450mm

SITED IN DOMESTIC DRIVEWAYS OR FOOTWAYS

MORTAR BEDDING AND HAUNCHING TO COVER AND FRAME TO SIA7 CLAUSE E6.7

TEMPORARILY CAP SHAFT DURING CONSTRUCTION

FLEXIBLE SEAL

MINIMUM INTERNAL DIMENSIONS 450mm DIAMETER OR 450mm x 450mm

SITED IN DOMESTIC GARDENS

NOTE: WHERE THE ACCESS CHAMBER IS IN THE HIGHWAY THE HIGHWAY AUTHORITY CAN HAVE SPECIFIC REQUIREMENTS

ALTERNATIVE TOP DETAILS FOR LIGHT VEHICLE LOADING AND LANDSCAPED AREAS - TYPE 3

SCALE 1:10

MANHOLE COVER TO SUIT BS EN 124 LOADING HIGHWAYS - CLASS D400 600mm CLEAR OPENING

ACCESS OPENING RESTRICTED TO 350mm DIAMETER OR 300mm x 300mm IF DEPTH OF CHAMBER TO INVERT IS: >1m (SIA7) >1.2m (BREGS)

CLASS B ENGINEERING BRICKWORK OR PRECAST CONCRETE COVER FRAME SEATING RINGS

DOT TYPE 1 SUB BASE (THICKNESS VARIES)

MINIMUM INTERNAL DIMENSIONS 450mm DIAMETER OR 450mm x 450mm

DOT TYPE 1 SUB BASE (THICKNESS VARIES) OR CONCRETE SURROUND

BASE UNIT TO HAVE ALL CONNECTIONS WITH SOFFIT LEVELS SET NO LOWER THAN THAT OF THE MAIN PIPE

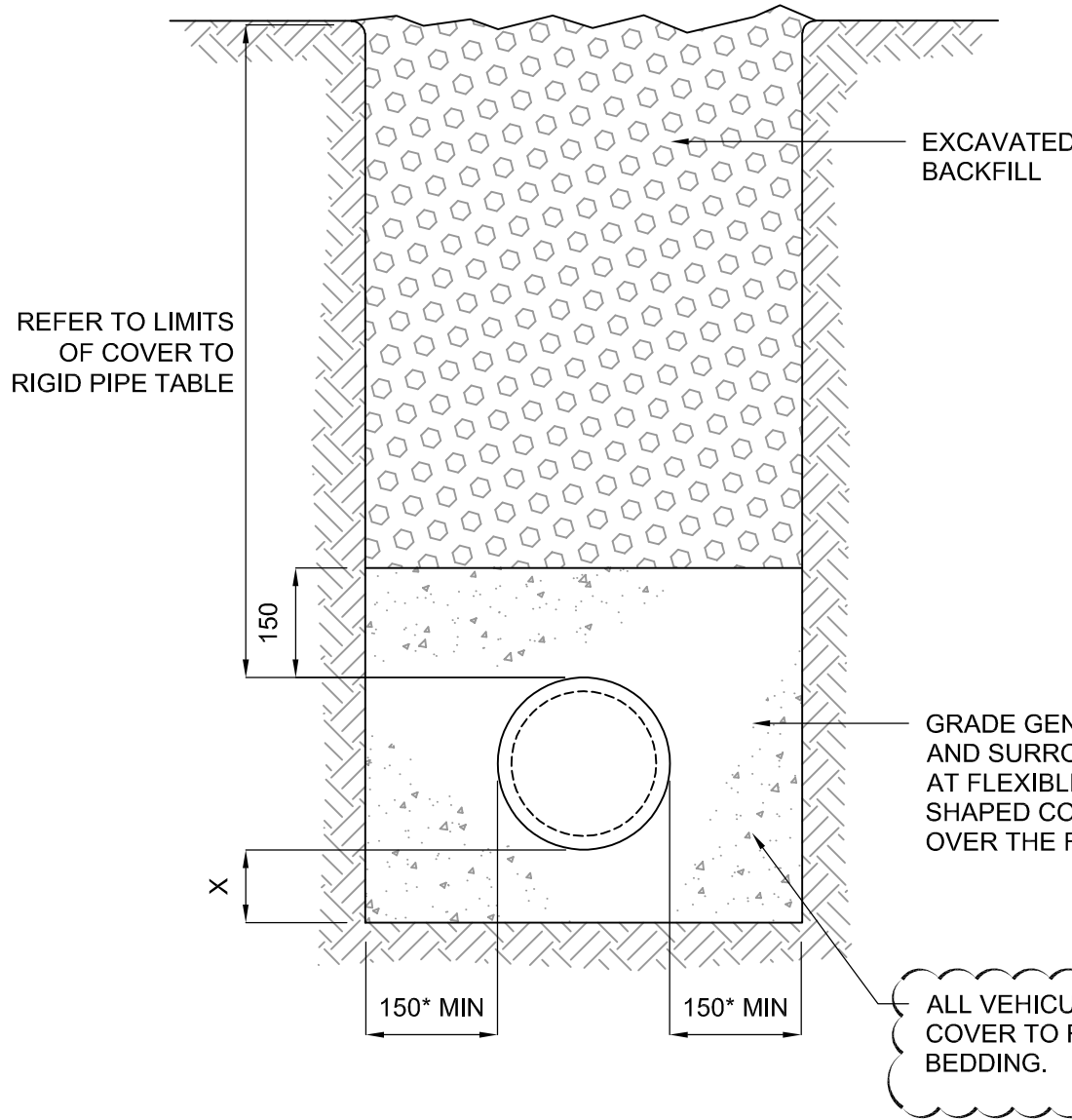
GRANULAR BEDDING MATERIAL

INVERT OF CONNECTING PIPE AT LEAST 50mm ABOVE THAT OF THE MAIN PIPE

SIZING OF GRANULAR BEDDING MATERIAL:

NOMINAL BORE OF PIPE (MIN)	AGGREGATE SIZE (MM)	
	SINGLE SIZED	GRADED
100	10	10
150 - 200	10 or 14	14 to 5
225 - 300	10,14 or 20	14 to 5 or 20 to 5
375 - 500	14 or 20	14 to 5 or 20 to 5
EXCEEDING 500	14,20 or 40	14 to 5, 20 to 5 or 40 to 5

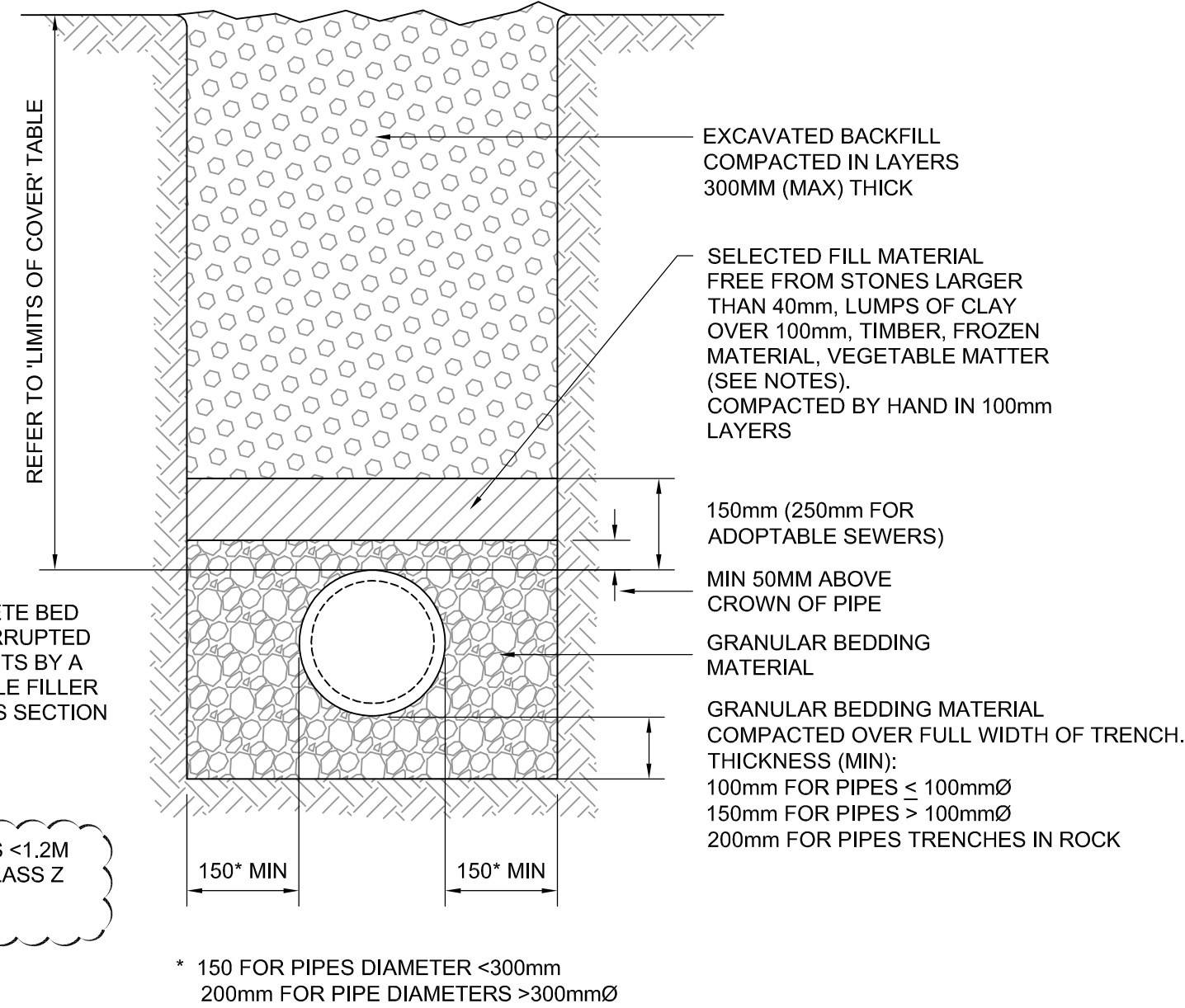
ALL GRAULAR MATERIAL TO BE SINGLE SIZED OR GRADED IN ACCORDANCE WITH BS 882:1992, SINTERED PULVERISED-FUEL ASH TO BS 3797:1990 AND AIR-COOLED BLAST FURNACE SLAGS TO BS 1047:1983 ARE SUITABLE.



CLASS Z BEDDING
CONCRETE SURROUND

NOTES:

- BACKFILL MATERIAL TO BE SELECTED EXCAVATED MATERIAL WHERE THIS MATERIAL COMPLIES WITH CESWI. ADDITIONAL MATERIAL TO MAKE UP ANY DEFICIENCY TO BE GRANULAR SUB-BASE TYPE 1 UNLESS STATED OTHERWISE.
- IN WET, SOFT, OR SILTY SOILS, WHERE LATERAL SUPPORT IS NOT OBTAINED OR WHERE FINES MAY MIGRATE, THE GRANULAR BEDDING MATERIAL SHALL BE SURROUNDED BY GEOTEXTILE FABRIC WITH MIN 200 OVERLAP.
- TRENCH BACKFILL TO MEET HIGHWAY SPECIFICATION WHEN LAID IN ROAD OR FOOTPATH.



CLASS S BEDDING
GRANULAR SURROUND

TYPICAL PIPE BEDDING FOR PIPES UP TO 800mm DIA

SCALE 1:10

FOR AREAS ADOPTED HIGHWAYS USE CLASS S BEDDING WHERE COVER IS: 1.2m Min & 8.0m Max - FOR 100mm DIA PIPES 1.2m Min & 4.0m Max - FOR 150mm DIA PIPES OR GREATER FOR DEFINITION OF AREAS OF ADOPTED HIGHWAY SEE LAYOUT DRG	FOR AREAS SUBJECT TO LIGHT VEHICULAR ACCESS USE CLASS S BEDDING WHERE COVER IS: 1.2m Min & 8.0m Max - FOR 100mm DIA PIPES 1.2m Min & 5.0m Max - FOR 150mm DIA PIPES OR GREATER FOR DEFINITION OF AREAS OF VEHICLE ACCESS SEE LAYOUT DRG	FOR AREAS NOT UNDER ROADS OR BUILDINGS USE CLASS S BEDDING WHERE COVER IS: 0.6m Min & 8.0m Max - FOR 100mm DIA PIPES 0.6m Min & 5.0m Max - FOR 150mm DIA PIPES OR GREATER
WHERE COVER IS LESS THAN THE ABOVE: USE CLASS Z		

LIMITS OF COVER TO RIGID (CLAY) PIPES

BS EN 752 & BUILDING REGS PART H

KEY PLAN

NOTES

- All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figured dimensions only are to be taken from this drawing.
- The DWG file is issued for the purposes of coordination only and do not represent formal drawing issue and are not to be reprinted in any form. Formal issue of drawings is via DWF, Adobe PDF files and/or hard copies and their associated information issue sheets.
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P02	REVISED FOLLOWING DOC COMMENTS (CLOUDED)					
	R.HUNT	20/11/19	D.GALLIMORE	20/11/19	M.GRIFFIN	20/11/19
P01	TENDER ISSUE					
	R.HUNT	11/10/19	D.GALLIMORE	11/10/19	M.GRIFFIN	11/10/19
REV	REVISION NOTES/COMMENTS					
	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE

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CLIENT
LANDLINK ESTATES

PROJECT
SALTBOX
BOGNOR REGIS

TITLE
DRAINAGE DETAILS
SHEET 2

HYDROCK PROJECT NO. C-13319-C	SCALE @ A1 AS SHOWN
STATUS DESCRIPTION TENDER	STATUS D2
DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER) SAL-HYD-00-ZZ-DR-C-7101	REVISION P02