

NOTES

- THIS DRAWING IS TO BE READ WITH ALL RELEVANT KENNEDY REDFORD DRAWINGS.
- ALL NEW DRAINAGE TO BE JETTED AND CCTV SURVEYED ON COMPLETION. CONTRACTOR TO MAKE SURE THAT THE DRAINAGE IS FULLY OPERATIONAL. REFER TO DRAINAGE MAINTENANCE MANUAL FOR MAINTENANCE DETAILS.
- PROPOSED PIPEWORK WITH LESS THAN THE FOLLOWING DEPTHS TO SOFFIT REQUIRES A CONCRETE SURROUND:
 - 1.2m IN ROADS
 - 0.6m UNDER FOOTPATHS AND UNDER BUILDINGS.
- RECYCLED MATERIAL MAY BE USED AS REPLACEMENT BACKFILL MATERIAL, PROVIDED IT IS SUITABLY SCREENED, GRADED AND CRUSHED, TO SHW SERIES 600.
- SELECTED BACKFILL AS DUG MATERIAL FREE FROM VEGETABLE MATTER, RUBBISH, FROZEN SOIL & MATERIAL RETAINED ON 40mm SIEVE. TO BE COMPACTED IN 100mm LAYERS BY HAND.
- ALL EXISTING SERVICES TO BE LOCATED PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS WHERE NECESSARY PROTECTION OR DIVERSIONS TO BE UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED WORKS.
- WHERE DRAINAGE RUNS UNDER RETAINING WALLS PIPES TO HAVE CONCRETE PROTECTION

NOTE *
150mm OR 1/4 OF THE O.D. (OUTSIDE DIAMETER) WHICH EVER IS GREATER. FOR CONCRETE PIPEWORK 200mm OR 1/4 OF O.D. WHICH EVER IS GREATER.

R12:270 BACKFILLING TO PIPELINES GENERALLY:

UNLESS SPECIFIED OTHERWISE, BACKFILL FROM TOP OF SPECIFIED SURROUND OR PROTECTIVE CUSHION WITH MATERIAL EXCAVATED FROM THE TRENCH, COMPACTED IN LAYERS NOT EXCEEDING 300mm THICK. DO NOT USE HEAVY COMPACTORS BEFORE THERE IS 600mm OF MATERIAL OVER PIPES.

R12:280 BACKFILLING UNDER ROADS, PAVINGS & BUILDING FOOTPRINT:

BACKFILL FROM TOP OF SPECIFIED SURROUND OR PROTECTIVE CUSHION UP TO FORMATION LEVEL WITH GRANULAR SUB BASE MATERIAL TYPE 1 TO DOT SPECIFICATION FOR HIGHWAYS WORKS, CLAUSE 803, LAID AND COMPACTED IN 150mm LAYERS.

R12:370 CLASS S GRANULAR SURROUND

LOWER PART OF TRENCH WIDTH TO BE AS CLAUSE 667 GRANULAR MATERIAL NATURAL

PIPE SIZES DN 100 & DN 150: SIZE 4/10.
PIPE SIZES DN 225 & DN 300: SIZE 4/10, 10/20 OR 4/20.
PIPE SIZES DN 375-500: SIZE 10/20 OR 4/20.
PIPE SIZES DN 600 AND ABOVE: SIZE 10/20, 20/40, 4/20 OR 4/40.

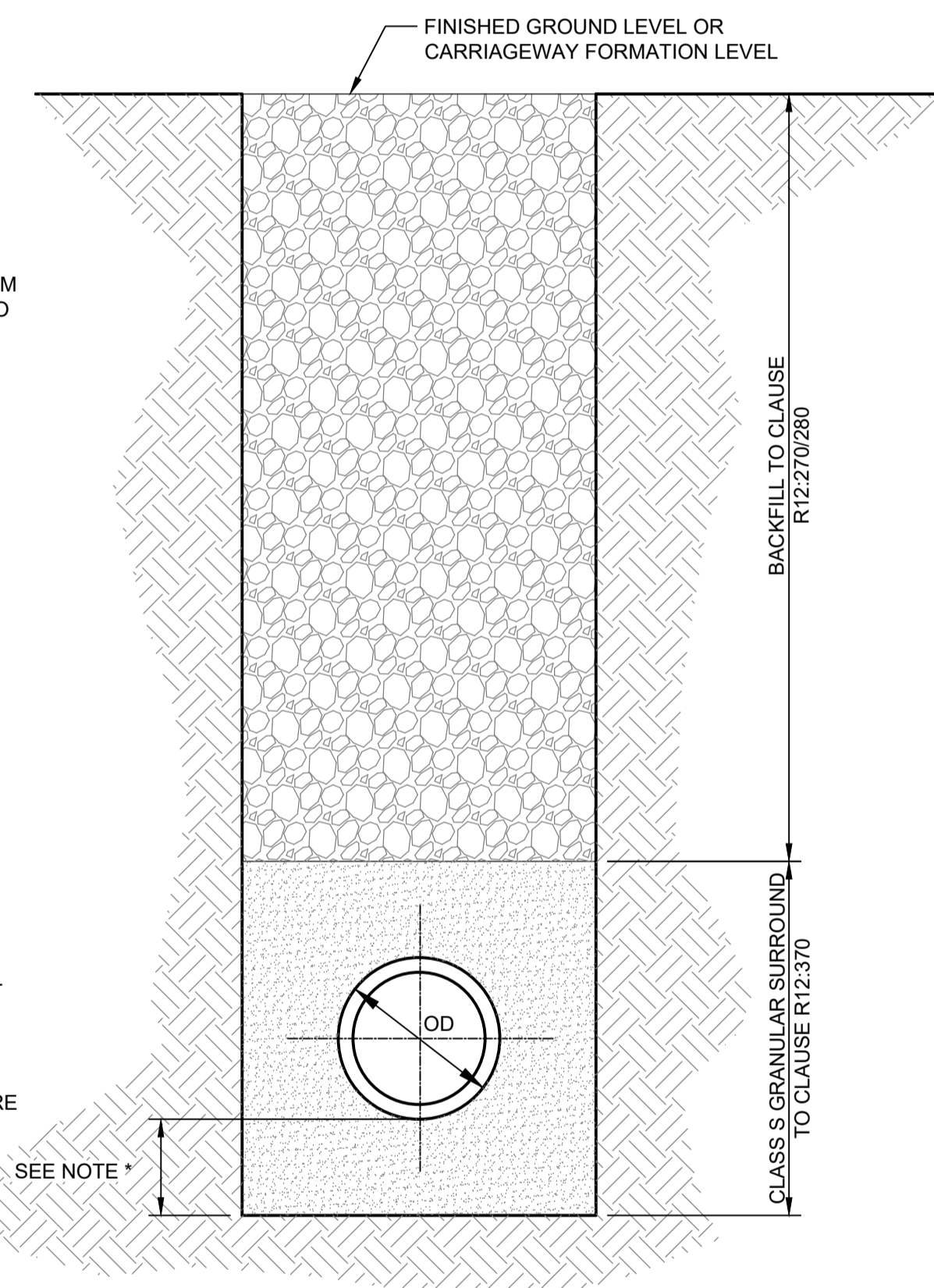
LAY AND COMPACT TO A THICKNESS NOT LESS THAN 50mm FOR SLEEVE JOINTED PIPES, 100mm FOR SOCKET JOINTED PIPES, OVER FULL WIDTH OF TRENCH, WHERE TRENCH BOTTOM IS UNEVEN DUE TO HARD SPOTS OR OTHER REASON, INCREASE DEPTH BY 100mm. SCOOP OUT LOCALLY AT COUPLINGS/SOCKETS AND LAY PIPES DIGGING SLIGHTLY INTO BED AND RESTING UNIFORMLY ON THEIR BARRELS. ADJUST TO LINE AND GRADIENT.

AFTER INITIAL TESTING, LAY AND COMPACT MORE GRANULAR MATERIAL IN 100MM LAYERS TO 150mm (250mm FOR ADOPTED SEWERS) ABOVE CROWN OF PIPE.

LOWER PART OF TRENCH:

WHERE BEDDING CLASS S IS SPECIFIED TRENCH WIDTH TO BE NOT MORE THAN THE FOLLOWING, REGARDLESS OF DEPTH OF COVER:

Nominal Pipe Size (DN)	100	150	225	300
Max. Trench Width (mm)	600	700	800	900



BEDDING CLASS S
SCALE 1:10

NOTE *
150mm OR 1/4 OF THE O.D. (OUTSIDE DIAMETER) WHICH EVER IS GREATER. FOR CONCRETE PIPEWORK 200mm OR 1/4 OF O.D. WHICH EVER IS GREATER.

R12:281 BACKFILLING OVER CONCRETE

DO NOT START BACKFILLING WITHIN 24 HOURS OF PLACING CONCRETE. DO NOT USE HEAVY COMPACTORS AND PREVENT IMPOSITION OF TRAFFIC LOADS WITHIN 72 HOURS OF PLACING CONCRETE.

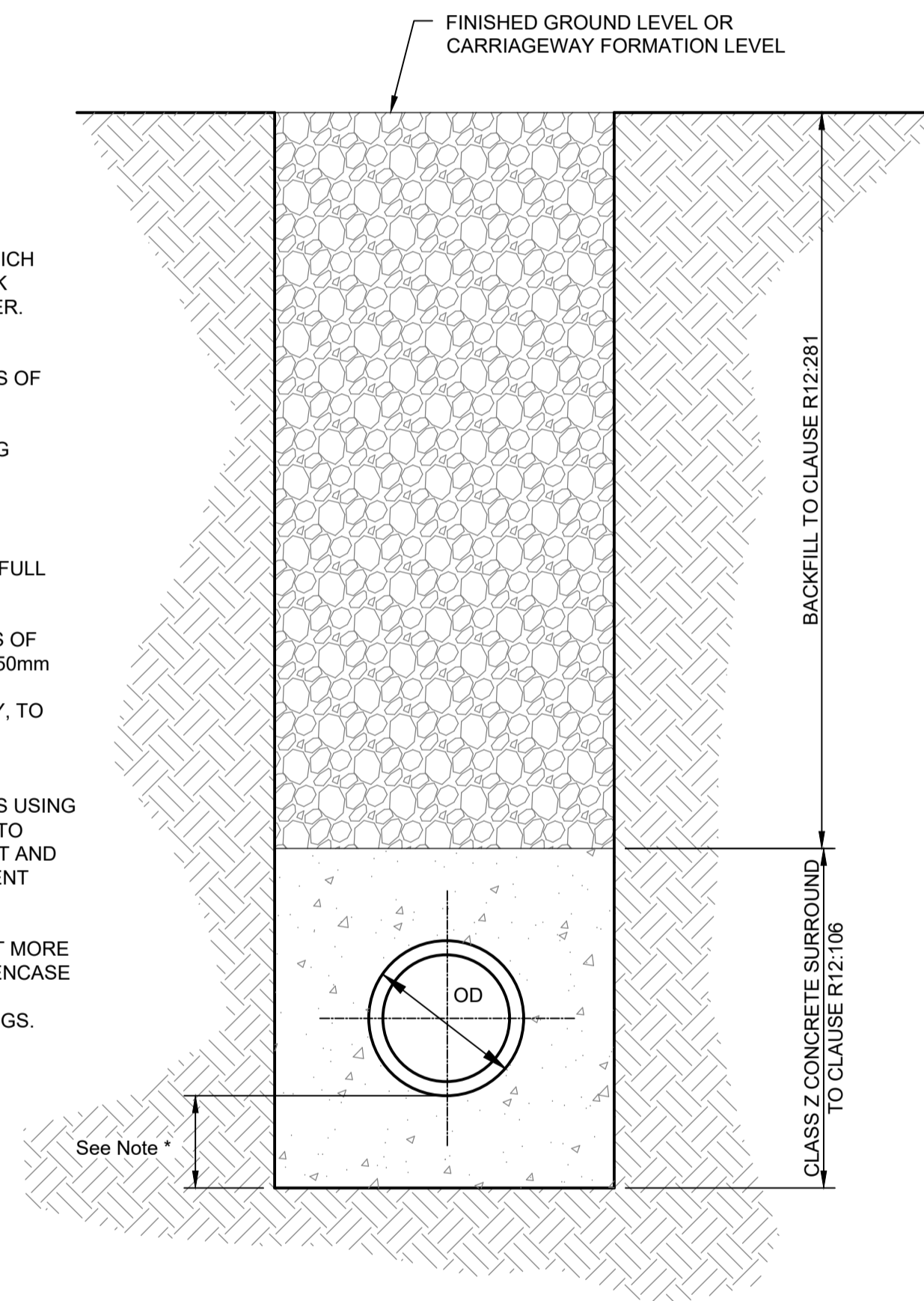
R12:106 CLASS Z CONCRETE SURROUND

LAY CONCRETE BLINDING, 25mm THICK OVER FULL WIDTH OF TRENCH AND ALLOW TO SET.

LAY PIPES ON BLINDING ON FOLDING WEDGES OF COMPRESSIBLE BOARD TO GIVE A MINIMUM 150mm CLEARANCE UNDER THE PIPE. ANCHOR THE PIPELINE OR FILL WITH WATER, IF NECESSARY, TO PREVENT FLOTATION.

FORM VERTICAL CONSTRUCTION JOINTS IN SURROUND AT FACE OF FLEXIBLE PIPE JOINTS USING 18mm THICK COMPRESSIBLE BOARD PRECUT TO PROFILE PIPE. FILL ANY GAP BETWEEN SPIGOT AND SOCKET WITH RESILIENT MATERIAL TO PREVENT ENTRY TO CONCRETE.

AFTER INITIAL TESTING, PLACE AND COMPACT MORE CONCRETE FOR FULL WIDTH OF TRENCH TO ENCASE PIPE TO 150mm ABOVE CROWN OR TO OTHER HEIGHT AS SPECIFIED OR SHOWN ON DRAWINGS.



BEDDING CLASS Z
SCALE 1:10

P01	14.06.22	PRELIMINARY ISSUE	R.B	R.K	R.K
REV	DATE	DESCRIPTION	DRN	CHK	APR

© This drawing is the property of Kennedy Redford Limited and the information can only be reproduced with their prior permission.



CLIENT
GWYNEDD SKIP & PLANT HIRE

PROJECT NAME
GWYNEDD SKIP & PLANT HIRE

DRAWING TITLE
TYPICAL PIPE BEDDING DETAILS ABATTOIR SITE

DATE	SCALE	SHEET SIZE	REV
14.06.22	1:10	A1	P01

DRAWING STATUS
S2 - ISSUED FOR INFORMATION

DRAWING NUMBER
220208 - KR - XX - EX - DR - C - 0020