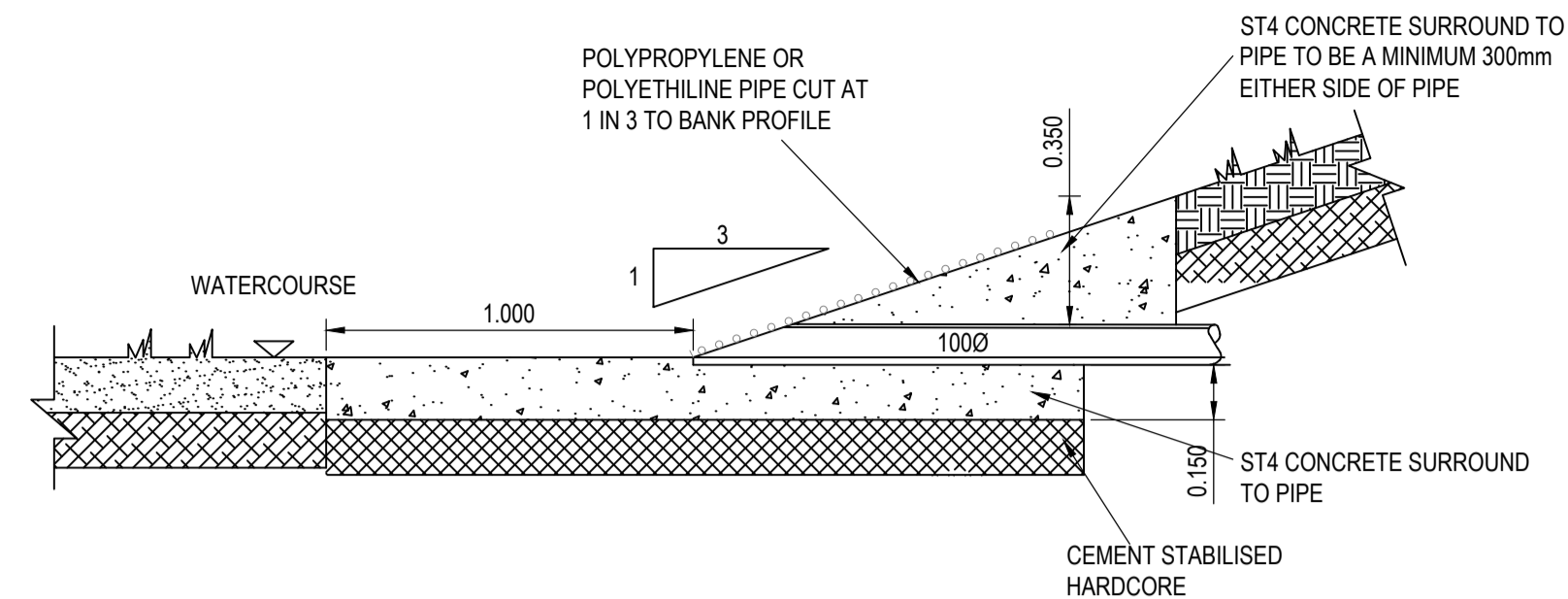


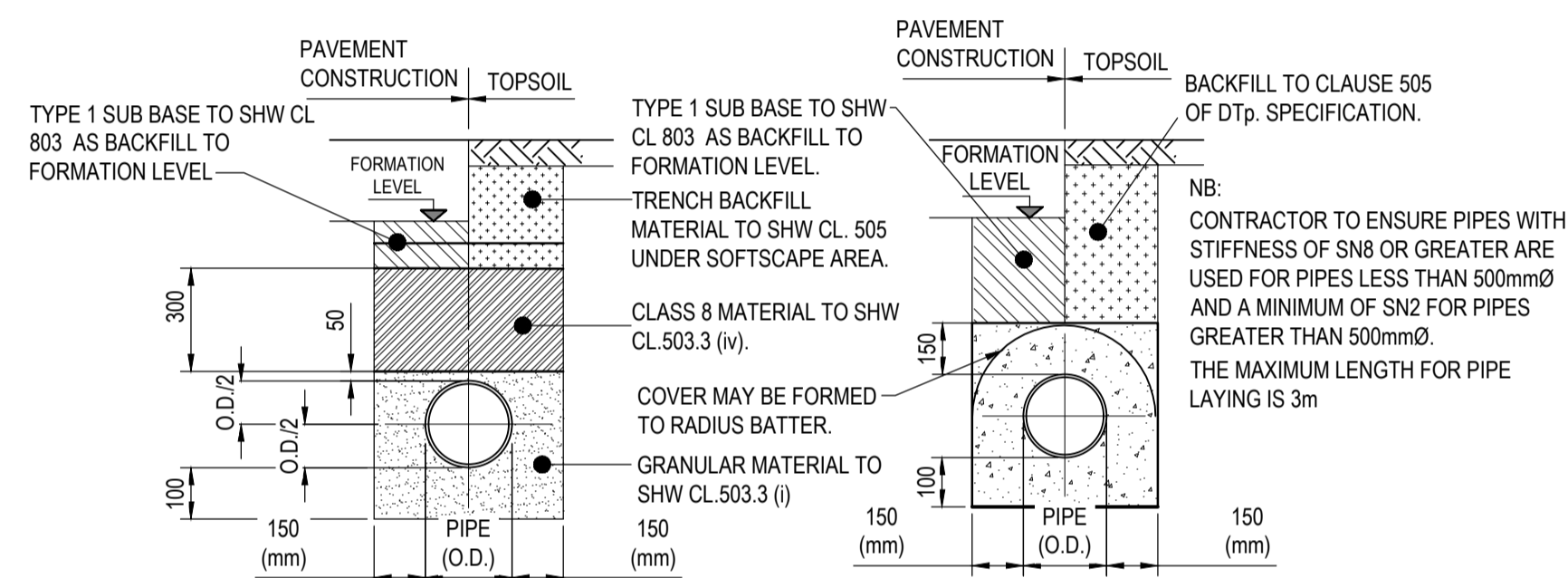
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4B
WITHIN LANDSCAPE AREAS

(REFER TO FIG. B.21 OF SEWERS FOR ADOPTION 7th ED) SITED IN DOMESTIC GARDENS
 (FLEXIBLE MATERIAL DETAIL)
 SCALE 1:20

MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 2m. NON-ENTRY
 PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13598-1 AND BS EN 13598-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL



MITERED CONCRETE HEADWALL - 1000mm OPEN PIPE OUTLET



TYPE S BEDDING

GRANULAR BED AND SURROUND UNDER ROAD
 (BEDDING FACTION = 2.2)
 SCALE 1:20

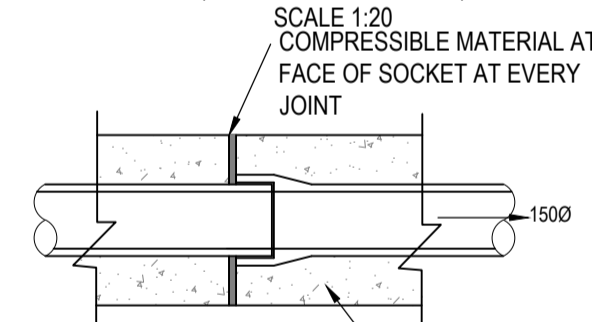
- BEDDING NOTES:
- REFER TO SHW TABLE 5/3 AND SHW TABLE 6/1
 - BEDDING BENEATH AND AT SIDES OF THE PIPE TO BE WELL COMPACTED IN ACCORDANCE WITH CL 505.
 - CONCRETE CRADLES AND ARCHES MAY BE EXTENDED TO THE SIDES OF THE TRENCH.
 - GEOTEXTILES MAY BE USED WHERE DIRECTED OR APPROVED BY THE ENGINEER TO CONTAIN BEDDING MATERIAL. IN CERTAIN SOILS E.G. RUNNING SAND.
 - IN VERY WET CONDITIONS, WHERE DIRECTED OR APPROVED BY THE ENGINEER A TEMPORARY LAND DRAIN MAY BE LAID WITHIN THE GRANULAR BED.

NOTES: (TYPE Z ONLY)

- WHERE PIPES WITH FLEXIBLE JOINTS ARE USED, THE CONCRETE PROTECTION IS TO BE INTERRUPTED OVER ITS FULL CROSS SECTION AT INTERVALS NOT EXCEEDING 5 METRES (OR AS DIRECTED BY THE ENGINEER) BY A SHAPED FORMER OF BITUMEN IMPREGNATED MIN. 18mm COMPRESSIBLE FILLER. THESE INTERRUPTIONS SHALL COINCIDE WITH PIPE JOINTS. (SEE TABLE E5 IN SFA 7th EDITION.
- CONCRETE TO BE FND4 WHERE FLEXIBLE PIPES ARE USED. CARE MUST BE TAKEN TO PREVENT THE PIPES FROM FLOATING.

TYPE Z BEDDING

CONCRETE BED AND SURROUND
 (BEDDING FACTION = 2.6)
 SCALE 1:20

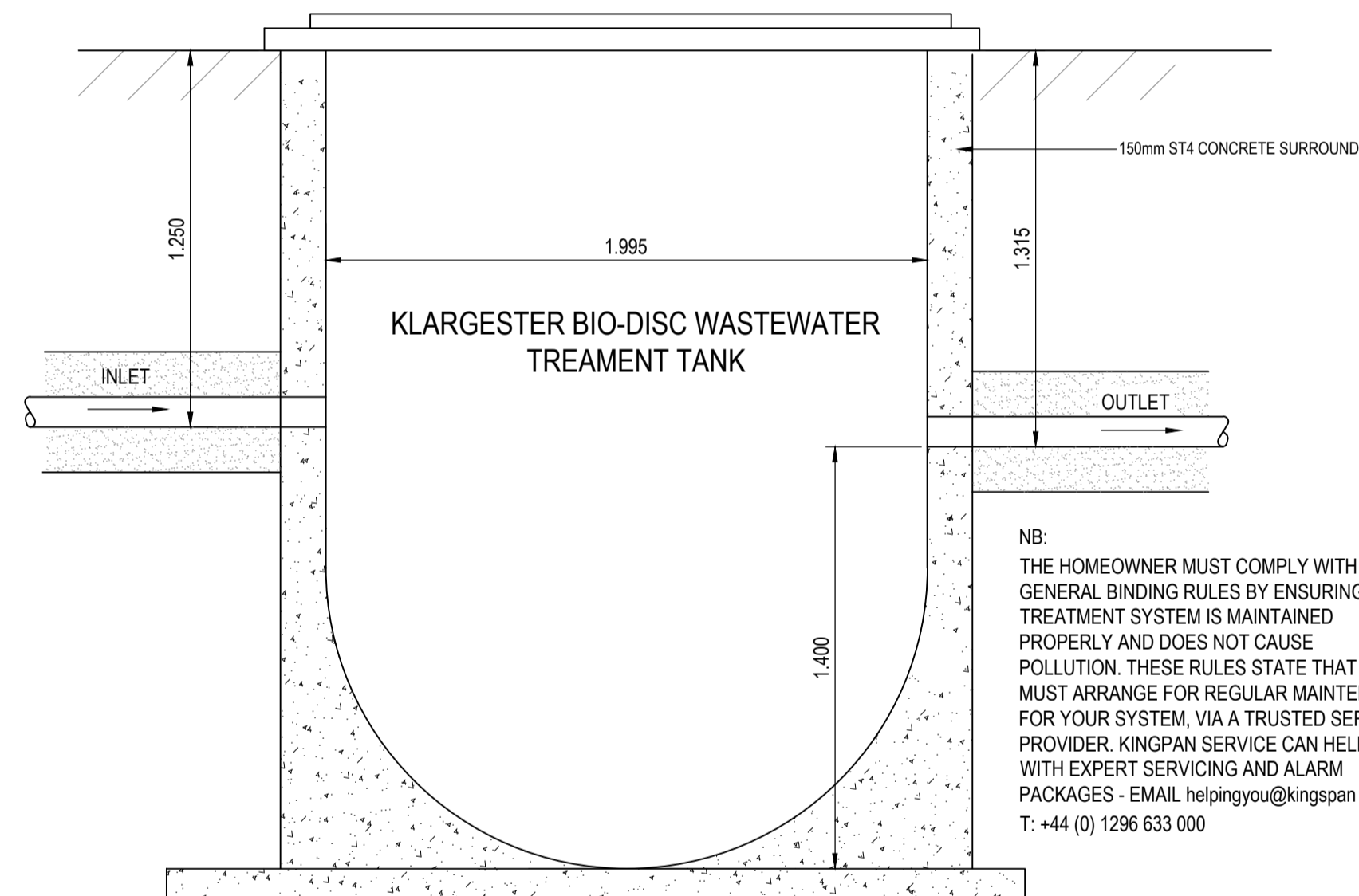


TYPE Z BEDDING ELEVATION

CONCRETE BED AND SURROUND
 SCALE 1:20

BEDDING DETAILS

SCALE 1:20



KLARGESTER BIO-DISC WASTEWATER TREATMENT TANK

TO BE INSTALLED AS PER MANUFACTURERS INSTALLATION GUIDELINES

MANHOLE NUMBER	COVER LEVEL (m)	CONNECTIONS	INVERTS (m)		PIPE DIAMETER (mm)	MANHOLE SIZE	MANHOLE DETAILS	
			0	1			MANHOLE	COVER TYPE
MHF1	90.250	1	1	88.500	100	TANK		
			0	88.525				
MHF2	88.400	1	1	87.400	100	2250	TYPE 4	B125
			0	87.400				
MHF3	81.600	1	1	80.600	100	2250	TYPE 4	B125
			0	80.600				

FOUL WATER DRAINAGE SCHEDULE

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE SHOWN IN METRES UNLESS NOTED OTHERWISE.
- DO NOT SCALE FROM THE DRAWING. USE FIGURED DIMENSIONS ONLY.
- ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS, SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
- EXISTING SERVICES HAVE NOT BEEN SHOWN BUT ARE PRESENT - THE CONTRACTOR IS TO LIAISE WITH ALL STATUTORY AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY WORKS.
- EXISTING LEVELS HAVE BEEN TAKEN FROM LIDAR SURVEY AND ARE TO BE CONFIRMED BY CONTRACTOR ON SITE PRIOR TO THE COMMENCEMENT OF ANY WORKS.
- SOIL & VENT PIPE LOCATION AND NUMBER TO BE CONFIRMED WITH ARCHITECT.
- TYPE S BEDDING AND SURROUND TO ALL PIPES EXCEPT IN THE FOLLOWING CIRCUMSTANCES, IN WHICH TYPE Z BEDDING AND SURROUND ARE TO BE USED:
 -DOMESTIC GARDENS AND PATHWAYS WITHOUT ANY POSSIBILITY OF VEHICULAR ACCESS, 0.35m;
 -DOMESTIC DRIVEWAYS, PARKING AREAS AND YARDS WITH HEIGHT RESTRICTIONS TO PREVENT ENTRY BY VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5 TONNES, 0.5m;
 -DOMESTIC DRIVEWAYS, PARKING AREAS AND NARROW STREETS WITHOUT FOOTWAYS (E.G. MEWS DEVELOPMENT) WITH LIMITED ACCESS FOR VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5 TONNES, 0.9m;
 -AGRICULTURAL LAND AND PUBLIC OPEN SPACE, 0.9m;
 -HIGHWAYS AND PARKING AREAS WITH UNRESTRICTED ACCESS TO VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5 TONNES, 1.2m.
- STRUCTURED WALL SEWER PIPE SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 13476-1 AND WIS 4-35-01 AND BS EN 13476-2 OR BS EN 13476-3. PIPES SHALL BE BSI KITEMARKED OR HAVE EQUIVALENT THIRD PARTY CERTIFICATION. PIPES LESS THAN OR EQUAL TO 500mm DIA SHALL HAVE A SHORT-TERM RING STIFFNESS OF NOT LESS THAN 8kN/m² (SN8).
- ALL JOINTING IN ACCORDANCE WITH MANUFACTURERS TECHNICAL ADVICE & SPECIFICATION.
- ALL WORKS ARE IN ACCORDANCE WITH TO THE NRW EXEMPTION REF: NRW-WQE104938

PRELIMINARY

02	RGP	PG	JP	08/01/25	LIDAR LEVELS ADDED
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01	CT	HT	JP	08/01/25	PRELIMINARY
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rev.	drawn	checked	approved	date	description
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Client
DAVID WILLIAMS

Project
COC Y NORTH LANE

Title
DRAINAGE CONSTRUCTION DETAILS



date	drawn	checked	approved
09.01.25	RGP	PG	JP
scale @ A1	project no.		
1:500	20040		

status	drg. no.	rev.
P	20040_501	01

DRAWING STATUS
 A - Approval, AB - As-Built, C - Construction, D - Draft, P - Preliminary, T - Tender

