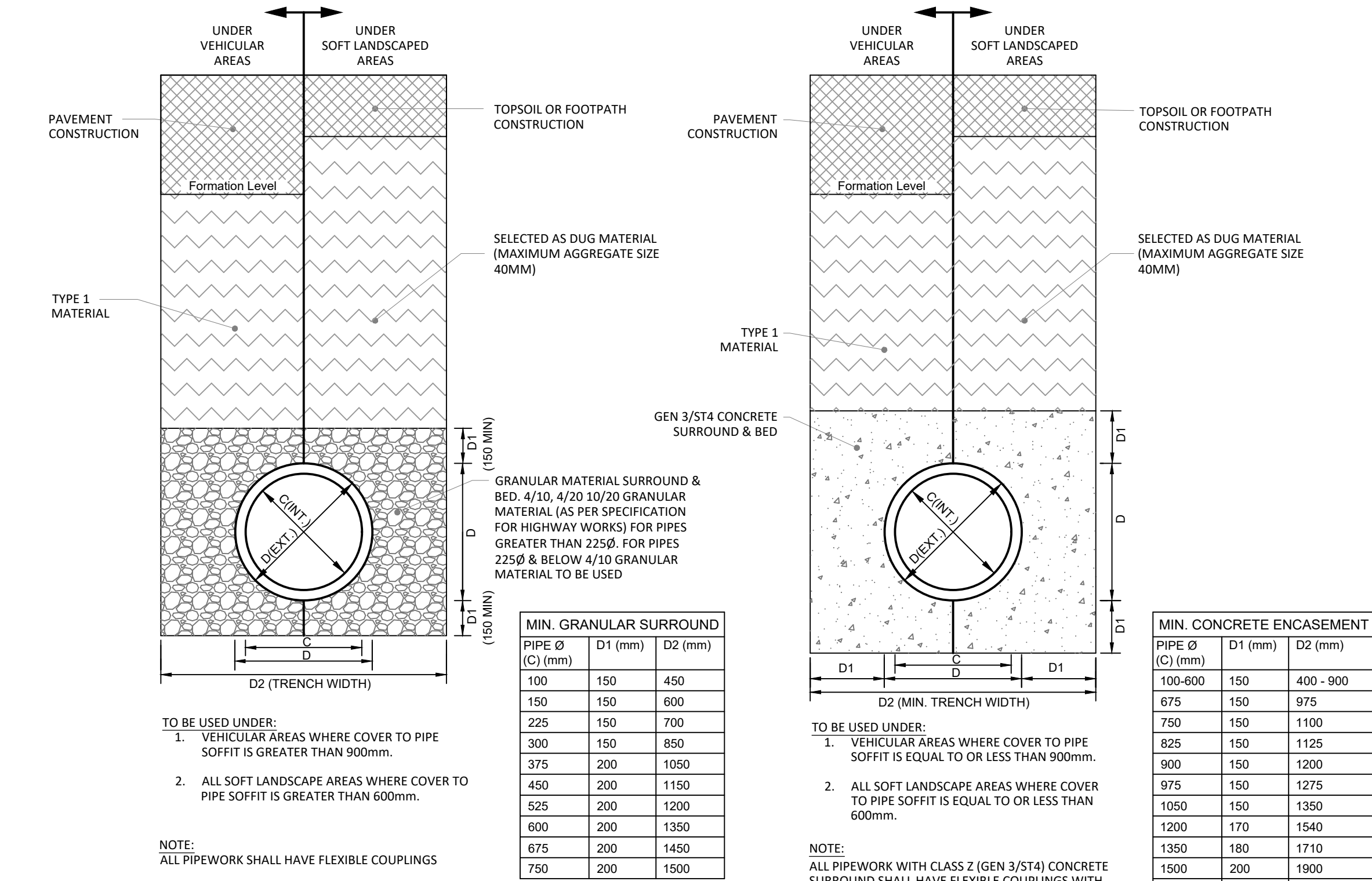
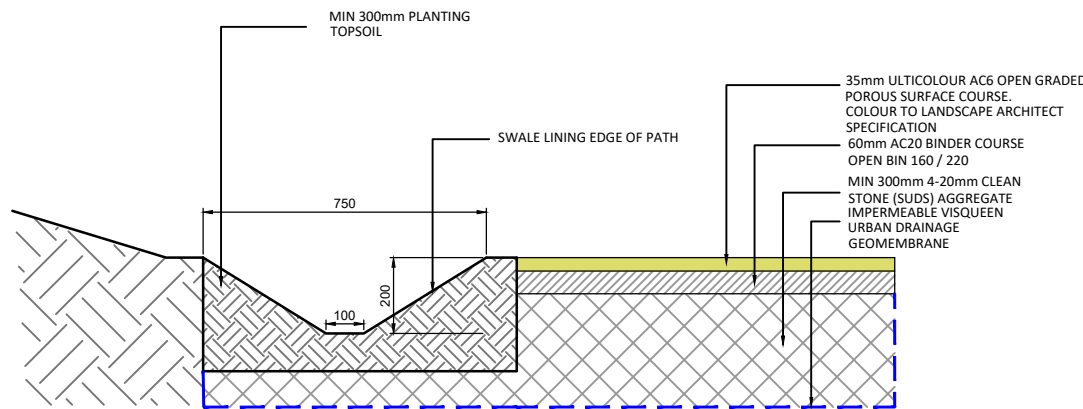


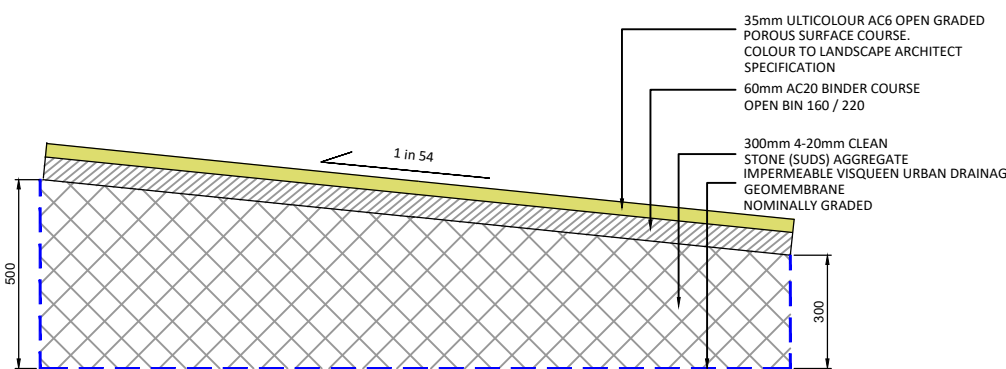


CLASS S PIPE BEDDING & SURROUND
(TO BE USED FOR PLASTIC, VITRIFIED CLAY & CONCRETE PIPEWORK)

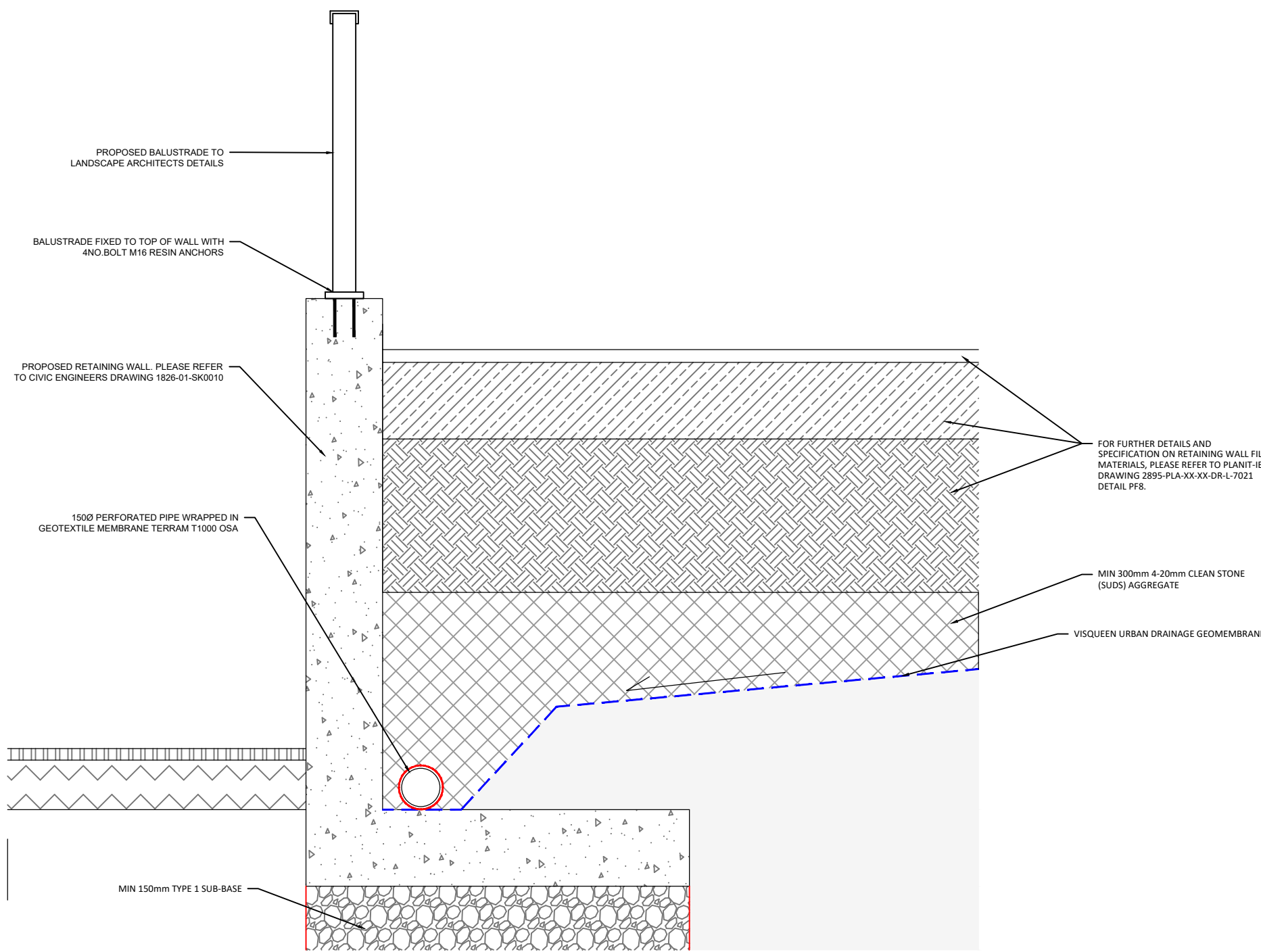
CLASS Z PIPE BEDDING & SURROUND
(TO BE USED FOR PLASTIC, VITRIFIED CLAY & CONCRETE PIPEWORK)



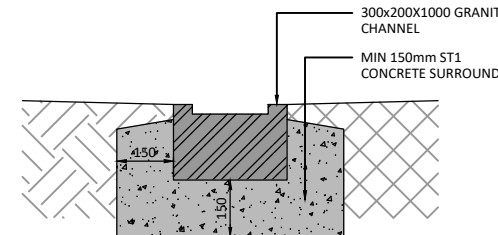
TYPICAL CROSS SECTION THROUGH PAVEMENT TYPE ST1
POROUS ASPHALT AND SWALE
SUBJECT TO OCCASIONAL VEHICLE LOADING



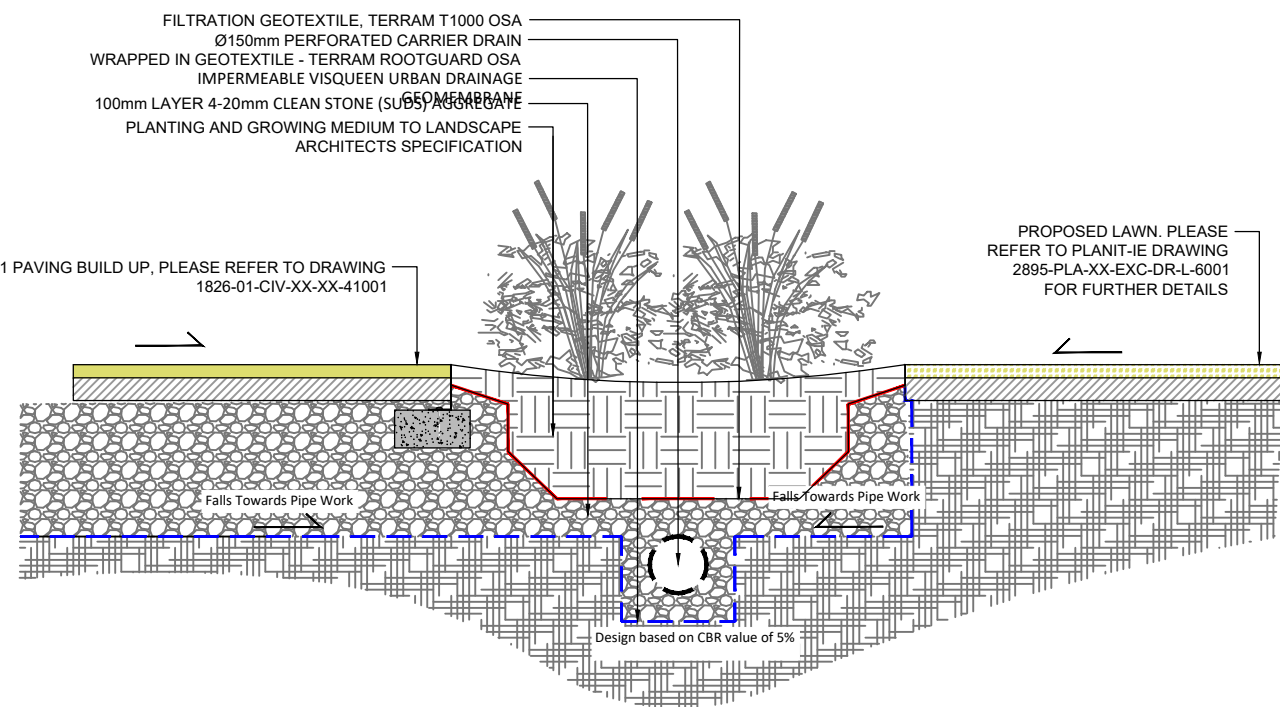
CROSS SECTION A-A
DRAWING 1826-01-CIV-XX-XX-D-C-30001



TYPICAL CROSS SECTION THROUGH RETAINING WALL DRAINAGE SYSTEM - 150Ø PERFORATED PIPE

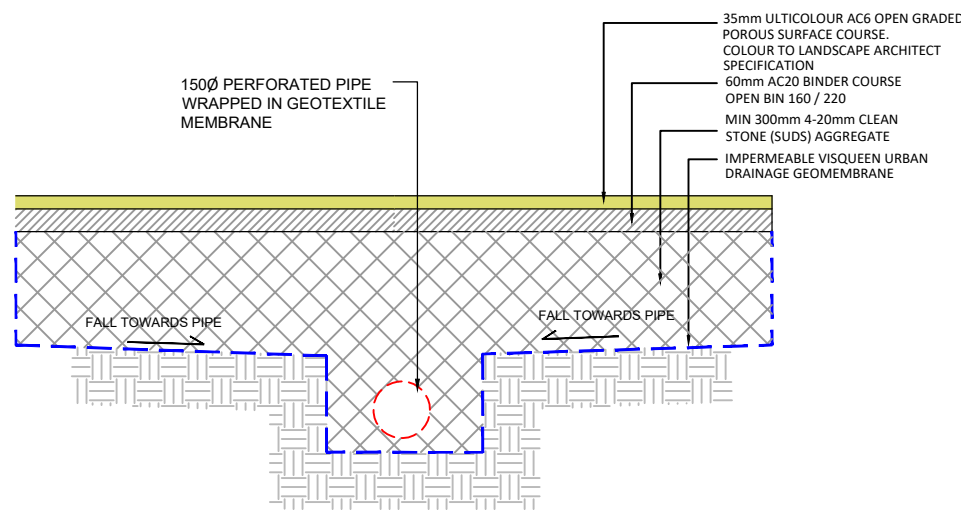


EDGING TYPE ET6
GRANITE DISHED CHANNEL/RILL - LAID FLUSH



TYPICAL RAIN GARDEN DETAIL WITHIN PAVING TYPE ST1

PLANTING AND GROWING MEDIUM TO LANDSCAPE ARCHITECTS SPECIFICATION



TYPICAL PERMEABLE PAVING DETAIL

Standard Notes

- This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and the specification.
- This drawing should not be scaled.
- All dimensions are to be verified by the contractor on site.
- All discrepancies should be reported to the C.A. prior to the commencement of the works.

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Notes

BENCHING NOTES
MAIN & BRANCH CHANNELS TO BE BEDDED AND JOINTED IN 1:3 CEMENT MORTAR.
MAIN CHANNEL BENCHING TO BE FORMED VERTICALLY TO A MINIMUM OF THE SOFFIT OF THE OUTLET PIPE. THE BENCHING SHALL BE ROUNDED OFF TO A RADIUS OF APPROXIMATELY 25MM AND SLOPED UPWARDS AT A GRADIENT OF 1:10 TO 1:30 TO CHAMBER WALLS.
BENCHING SHALL BE FLOATED TO A SMOOTH, HARD SURFACE WITH A 1:2 CEMENT MORTAR LAID MONOLITHIC WITH THE BENCHING.

SIDE BRANCHES OF DIAMETER UP TO AND INCLUDING 150Ø SHOULD DISCHARGE TO THE MAIN CHANNEL IN THE DIRECTION OF FLOW, PREFERABLY AT HALF PIPE LEVEL. WHERE THE CONNECTING ANGLE IS MORE THAN 45°, THREE QUARTER SECTION BENDS SHOULD BE SHAPED SO AS TO CONTAIN THE FLOW WITHOUT PERMITTING FOULING AND FACILITATE RODDING OF BRANCH DRAINS.

A BRANCH WITH GREATER THAN 150Ø SHOULD BE SET WITH THE SOFFIT LEVEL WITH THAT OF THE MAIN DRAIN.

COVERS & FRAMES

INTERNAL COVERS AND FRAMES TO BE DOUBLE LOCKED AND SEALED AND SHALL BE OF THE RECESSED TYPE TO ACCOMMODATE INFILL MATERIAL.

COVERS WITHIN BLOCK PAVED AREAS SHALL BE ORIENTATED TO SUIT ORIENTATION OF SURROUNDING BLOCKWORK.
MANHOLE COVERS AND FRAMES SITUATED WITHIN VEHICULAR AREAS ARE TO BE CLASS D400. MANHOLE COVERS AND FRAMES SITUATED WITHIN NON-VEHICULAR AREAS ARE TO BE CLASS B125. MANHOLE COVERS AND FRAMES ARE TO COMPLY WITH BS EN124-2 IF CAST IRON.

MANHOLE ACCESS TO BE ORIENTATED SUCH THAT STEP IRONS LEAD TO BENCHING AND NOT PIPE CHANNELS.

OVERSAIL CORBELLING SHALL NOT EXCEED 30MM ON EACH COURSE.

CHAMBERS WITH OUTGOING PIPES GREATER THAN 600MM DIAMETER SHALL BE FITTED WITH GUARD BARS, SAFETY CHAINS OR OTHER SAFETY DEVICES.

TOE HOLES TO BE PROVIDED IN BENCHING OF SEWER GREATER THAN 450MM DIAMETER FOR ACCESS TO PIPE INVERT.

ALL CONNECTIONS INTO AND OUT OF CHAMBERS/GULLIES TO HAVE CLASS Z CONCRETE SURROUND WITH FLEXIBLE COUPLINGS AND FLEXIBOARDS ON ALL COUPLINGS WHERE COVER TO PIPE SOFFIT IS EQUAL TO OR LESS THAN:

- 1200MM UNDER VEHICULAR AREAS
- 600MM UNDER NON-VEHICULAR AREAS

ALL CONCRETE USED IN CONSTRUCTION WITHIN SEWER/DRAIN AND DOMESTIC DRAINAGE TO BE CONSTRUCTED WITH SULPHATE RESISTING CEMENT.

05.01.24	P03	SUBMITTED FOR PRE COMMENCEMENT CONDITIONS	BW	ZG
31.07.23	P02	ISSUED FOR TENDER	BW	CK
10.05.23	P01	ISSUED FOR TENDER	BW	CK
Date	Rev	Description	Drawn	Chkd

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Project
POLAND STREET ZONE

Title
ANCOATS GREEN DRAINAGE DETAILS SHEET 3

Status
STAGE 4

Project Number	Scale @ A1	Date Created	Drawn	Checked	Suitability
1826-01	1:20	MAY'23	BW	CK	-
Drawing Number					Revision
1826-01-CIV-XX-XX-D-C-31003					P03