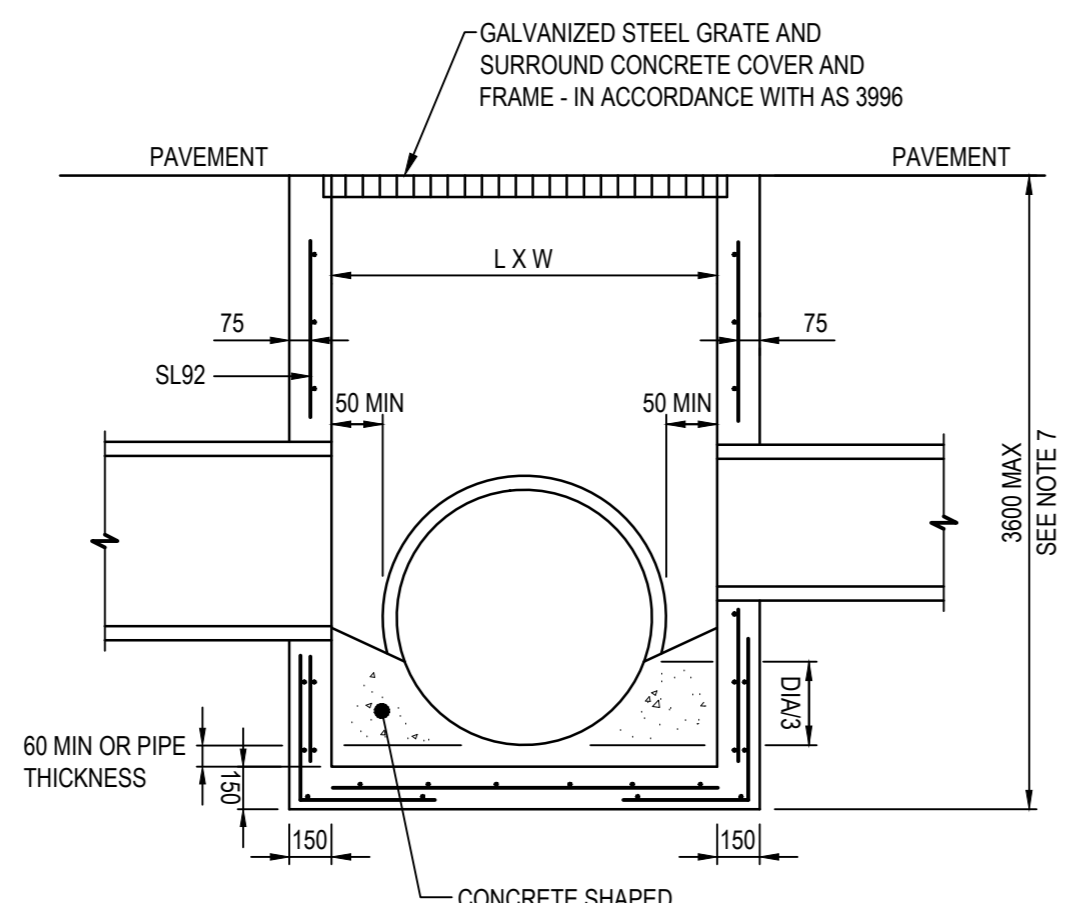
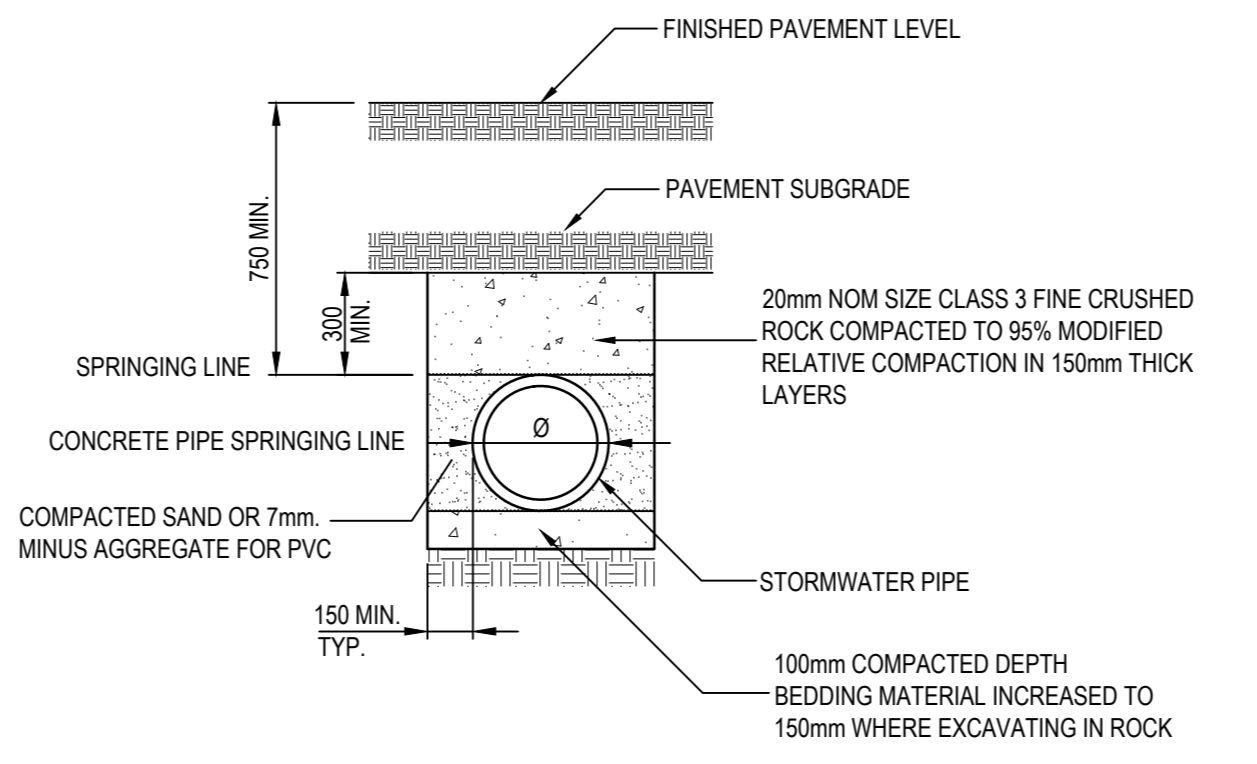


PIT LENGTH (L)	REINFORCEMENT
UP TO 1200	SL92
1201 TO 1800	SL918
1801 TO 2400	SL1218

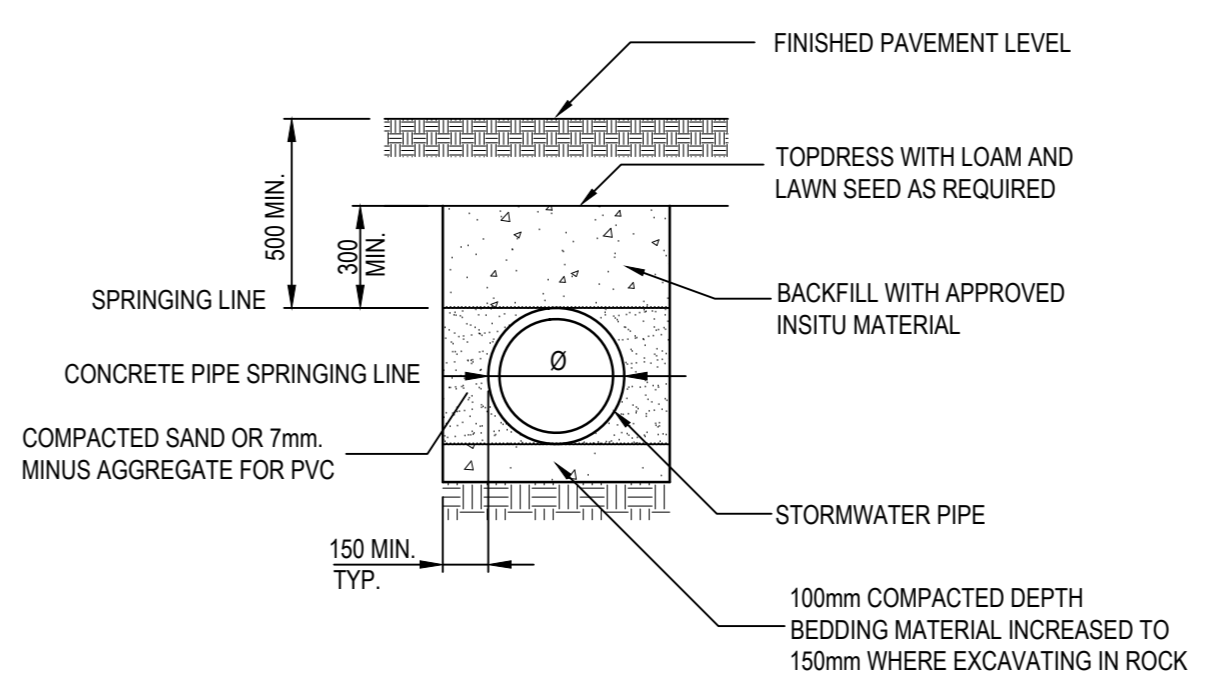
JUNCTION PIT
NTS



GRADED PIT
NTS



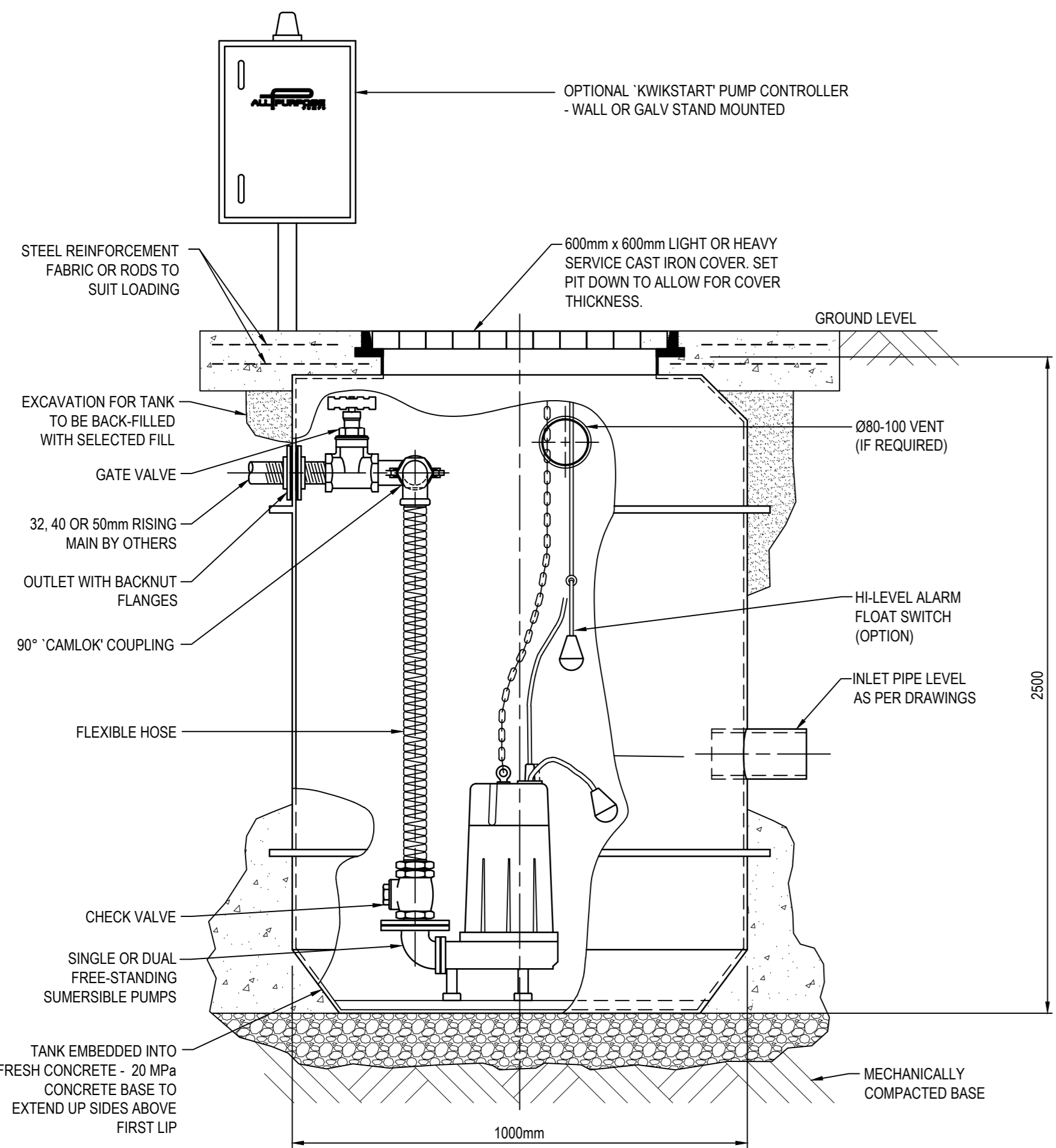
**TYPICAL SECTION
STORMWATER PIPE TRENCH UNDER
ROAD PAVEMENT & BEHIND KERB**
SCALE 1:20



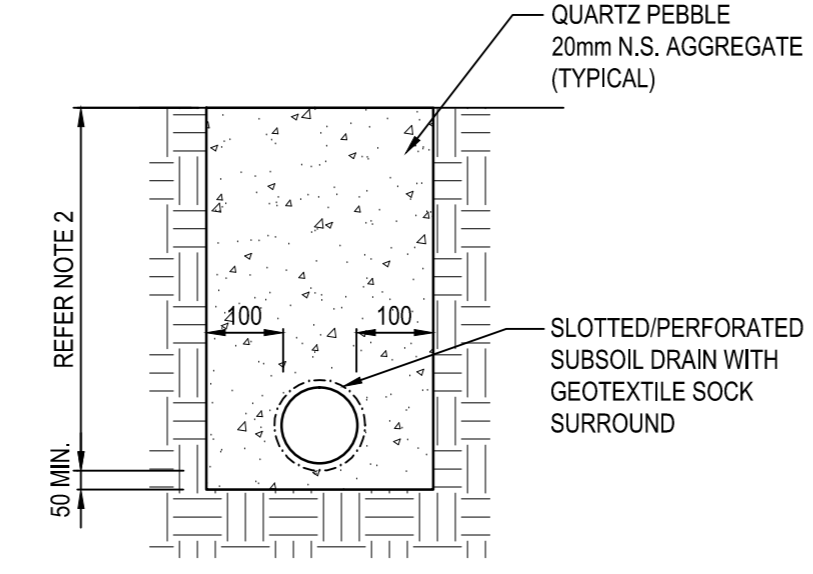
**TYPICAL SECTION
STORMWATER PIPE TRENCH IN
NATURE STRIP & EASEMENT**
SCALE 1:20

PIT MODEL	NOMINAL DEPTH	NOMINAL CAPACITY
FRP 1025 / F	2500mm	1800 LTS

- NOTE:**
- ALL PURPOSE PUMPS - HYLIPT PACKAGED PUMP STATION MODEL FRP102523180 COMPRISING OF A 1000mm DIAMETER X 2500mm DEEP PUMP CHAMBER CONSTRUCTED FROM FIBREGLASS, WITH A 600 X 600mm CLASS B CAST IRON ACCESS COVER, AND WITH:
 - 2 NO. HYFLOW MODEL HV920238180, 0.75KW, 240 VOLT HEAVY DUTY SUBMERSIBLE VORTEX PUMPS.

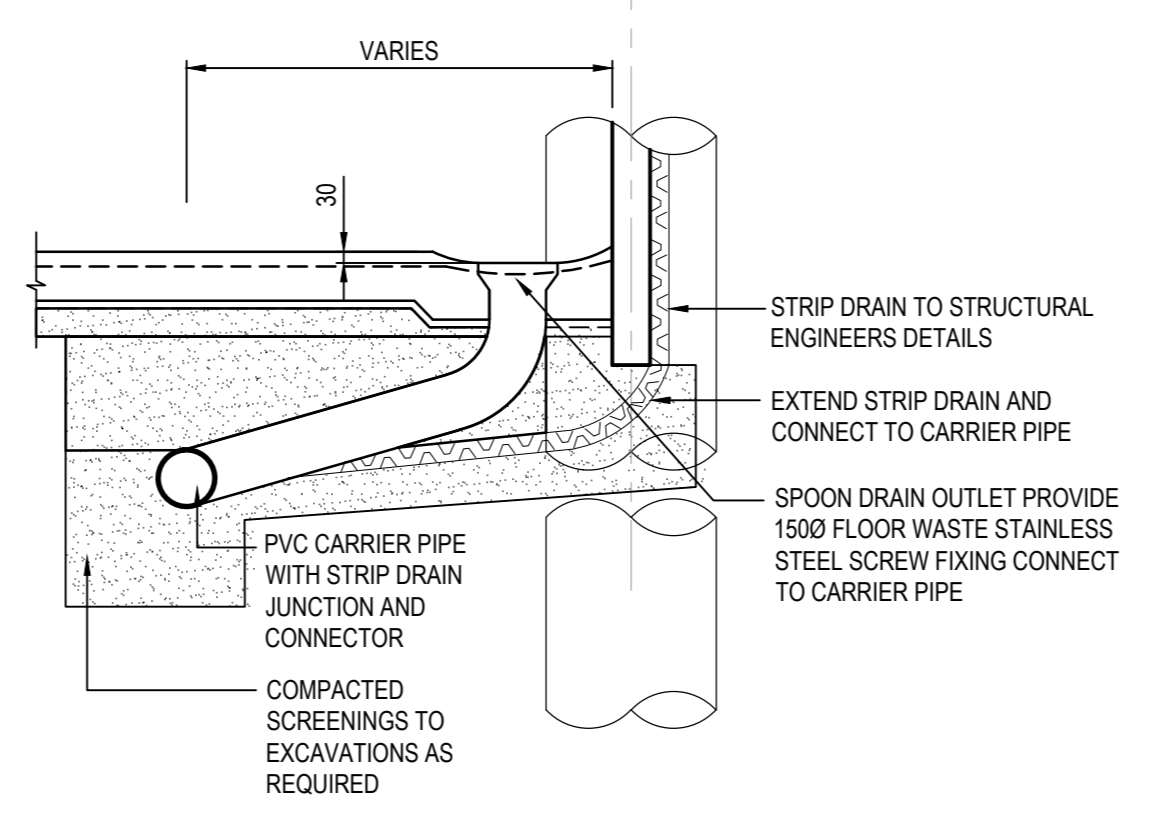


TYPICAL HYLIPT FIBREGLASS PUMP STATION
NTS

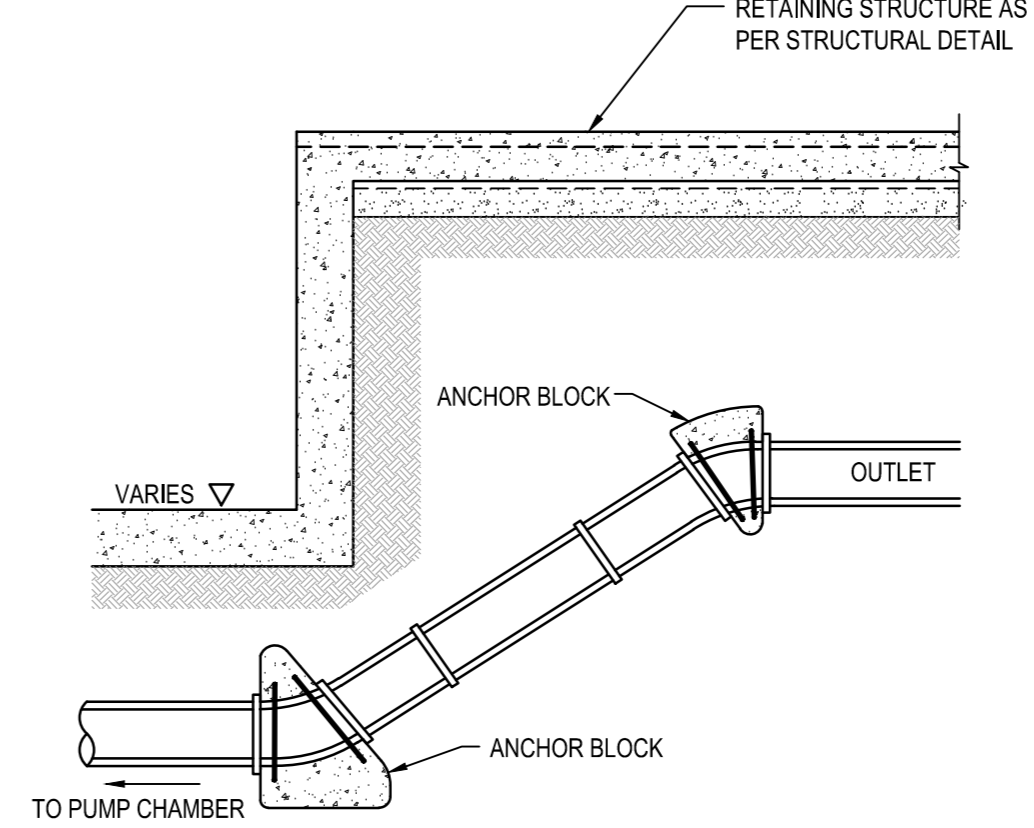


- NOTES:**
- THE INVERT LEVEL OF THE PIPES SHALL NOT BE LESS THAN: 500mm BELOW FINISHED SURFACE or 200mm BELOW PAVEMENT SUBGRADE
 - UNDER PAVEMENT BACKFILL TO BE NO FINE CONCRETE - CLASS 1000.
 - SCORIA AGGREGATE IS NOT PERMITTED FOR USE.

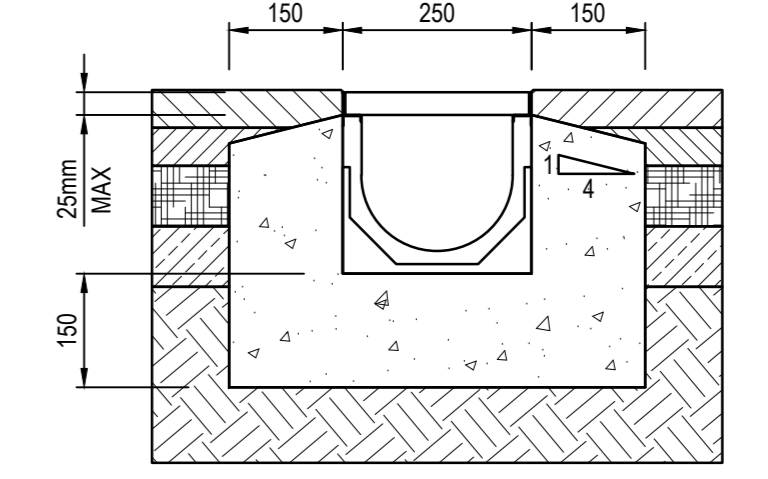
TYPICAL SUBSOIL DRAIN DETAILS
SCALE 1:10



**TYPICAL SPOON DRAIN AND STRIP DRAIN
CONNECTION DETAILS**
NTS



45° BEND DETAIL
SCALE 1:20



GRADED TRENCH DETAIL
SCALE 1:10

- NOTES:**
- PRECAST CIRCULAR RC PITS MAY BE USED AS ALTERNATIVE TO CAST INSITU DETAIL PROVIDED SUBJECT TO ENGINEER APPROVAL.
 - PIT REINFORCEMENT DETAILS ARE SHOWN IN TABLE. FABRIC IN SHEET SHALL HAVE THE MAIN BARS POSITIONS HORIZONTALLY, LAPS TO BE 300mm MIN CLEAR COVER TO BE 50mm MIN.
 - CONCRETE SHALL BE NORMAL CLASS N20 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH AS 1379. EXPOSURE CLASSIFICATION UP TO AND INCLUDING S1.
 - PITS DEEPER THAN 1000mm SHALL BE FITTED WITH STEP IRONS.
 - DRAINAGE PITS TO BE CONSTRUCTED IN CONCRETE WITH 150mm THICK BASE & WALLS. PIT DIMENSIONS ARE INTERNAL. ALL PITS DEEPER THAN 800mm ARE TO BE PROVIDED WITH STEP IRONS AT 300mm MAX. CENTRES.
 - CONCRETE INFILL FOR CAST IRON COVERS SHALL BE N22 WITH MAX AGGREGATE SIZE.
 - SWALE DRAINS SHALL BE CONSTRUCTED WITH A MIN. 1:200 LONGITUDINAL GRADE.

Rev	Description	By	Date	Rev	Description	By	Date	Rev	Description	By	Date
A	CONSTRUCTION ISSUE	PT	06.06.13								
4	TENDER ISSUE	PT	07.09.12								
3	TENDER ISSUE	PT	17.08.12								
2	75% CD ISSUE	EP	27.07.12								
1	50% CD ISSUE	EP	21.06.12								

Status

CONSTRUCTION ISSUE

SCALE INDICATED FOR REFERENCE ONLY - DO NOT SCALE DRAWING

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Project
**FACULTY OF ARCHITECTURE
BUILDING AND PLANNING**

Client
**UNIVERSITY OF MELBOURNE
PARKVILLE CAMPUS**

Drawing Title
CIVIL DETAILS

Date	Drawn	Checked	Approved
JUNE 2012	NBK	LOT	PLM

Scales at AD	Job No.	Sheet No.	Rev.
NTS	09ME0504	C035	A