

G1	These drawings shall be read in conjunction with the specification and the Bill of Materials and with all such written instructions as may be issued during the construction. Any discrepancy shall be referred to the Architectural Drawings.
G2	All dimensions are in millimeters, UNO (unless noted).
G3	These drawings shall not be scaled, refer to dimensions given only or refer to the Architectural drawings.
G4	All dimensions shall be taken from the center line on the drawings shall be checked on site prior to the commencement of the work.
G5	During construction the structure shall be maintained in a stable condition with no part being over-excavated.
G6	Any change to the design shall be approved by the Engineer based on supplied information and as such their occurrence cannot be guaranteed. It is the responsibility of the contractor to liaise with the Engineer prior to the commencement of work.
G7	All work trenches under vehicular pavements shall be back filled in accordance with the respective local authorities requirements.
G8	All excavated material shall be compacted to the same density as the surrounding material.
G9	All site disturbed areas shall be reinstated to the original condition, i.e. grass, tarmac, footpaths, concrete areas, gravel and grassed areas, etc.
G10	It is the contractor responsibility to obtain all authority

S1	The stormwater drainage design has been carried out in accordance with AS / NZS 3500.3 "Stormwater Drainage" AS / NZS 3500.2.3 "Stormwater Drainage - Acceptable Solutions".
S2	Any variations to the design levels shall be referred to the engineer immediately for approval.
S3	Any variations to specified products or details shall be referred to the engineer for approval prior to their installation.
S4	Subsoil drainage shall be provided to all retaining walls & embankments. They shall be a minimum of Ø100 slotted pipe in filter sock surrounded by crushed rock. They shall drain to the stormwater drainage system.

E1	The sediment & erosion controls shall be maintained effectively for the duration of the project. They shall not be removed until the site has been stabilized or landscaped to the principal certifying authorities satisfaction.
E2	A single all weather access way shall be provided at the front of the property consisting of 50-80 mm aggregate or similar material with a minimum thickness of 150 mm laid over needle-punched geotextile fabric (Bulfin A14 or similar) installed prior to any works being commenced on site.
E3	Where the building works are greater than a single dwelling development, a shaker pad must be installed as part of the vehicular accessway. The shaker pad shall be: - Established on suitable prepared & compacted material. - Constructed such that it is flush with the adjoining surfaces. - A minimum of 5000 mm in length and breadth.

E4	The contractor shall ensure that no spoil or fill encroaches upon adjacent areas during the project.
E5	The stormwater shall remain in the stormwater lines and drains affected by stormwater flow from the site are protected at all times during the project. Kerb in sediment traps shall be installed along the immediate vicinity along the street frontage. These shall be regularly maintained during the project.
E6	The street / road shall be kept clean from dirt and debris from vehicles departing the site.
E7	Sediment fencing shall be secured to posts (please note that if stir pickets or similar are used then plastic safety caps shall be installed on top of the posts) at 2000 mm intervals with the geotextile fabric embedded a minimum of 200 mm into the soil.
E8	All the topsoil stripped from the site shall be stockpiled such that it does not interfere with drainage lines and stormwater inlet pits. The stockpile shall be suitably covered with an impervious membrane and screened by sediment fencing.

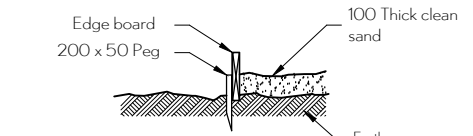
C1 Prior to the commencement of the site works the following shall be provided to capture water borne sediments:

- Sediment fencing
- Sediment trap
- Washout area

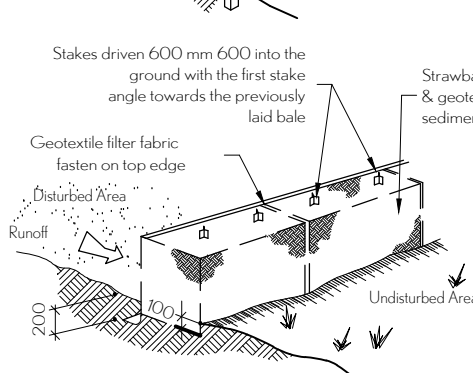
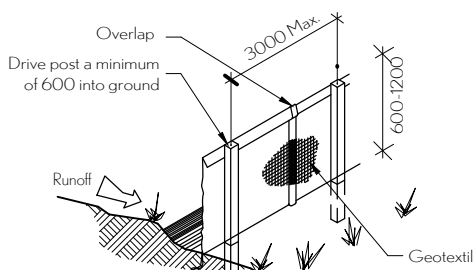
C2 These shall be maintained regularly during the course of the construction with the sediment trap cleaned after each storm event.

T1 A 1000 x 1000 mm square by 500 mm deep pit located at the lowest point of the site.

W1 The washout are shall be 1800 x 1800 mm allocated for the washing of tools & equipment in accordance with the detail below:

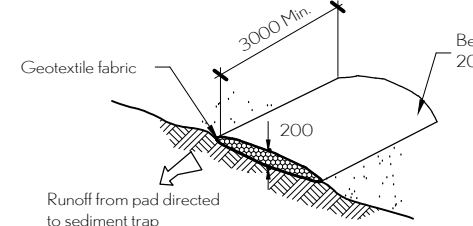


F1	Provide sediment fence on down slope boundary as shown on plan.
F2	Geotextile fabric to be buried 200 mm below ground at the lower edge.



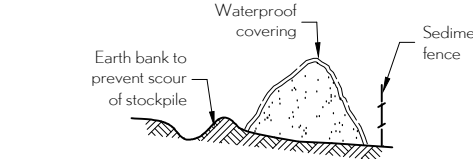
F3 Drainage area is 0.5 HA with a maximum slope gradient 1:2 maximum and a maximum slope length of 50 m.

V1 Vehicle access to the building site shall be restricted to a single point so as to reduce the amount of soil deposited on the street pavement.

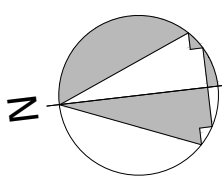
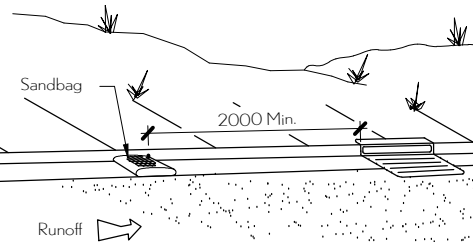


M1 Where there are stockpiles of material on site they shall be located at least 2000 mm away from any hazard including surfaces with grades greater than 15%, away from zones of concentrated stormwater flows, away from driveways, temporary vehicular accessways, footpaths, nature strips, kerbs, open swales & the drip zone of trees.

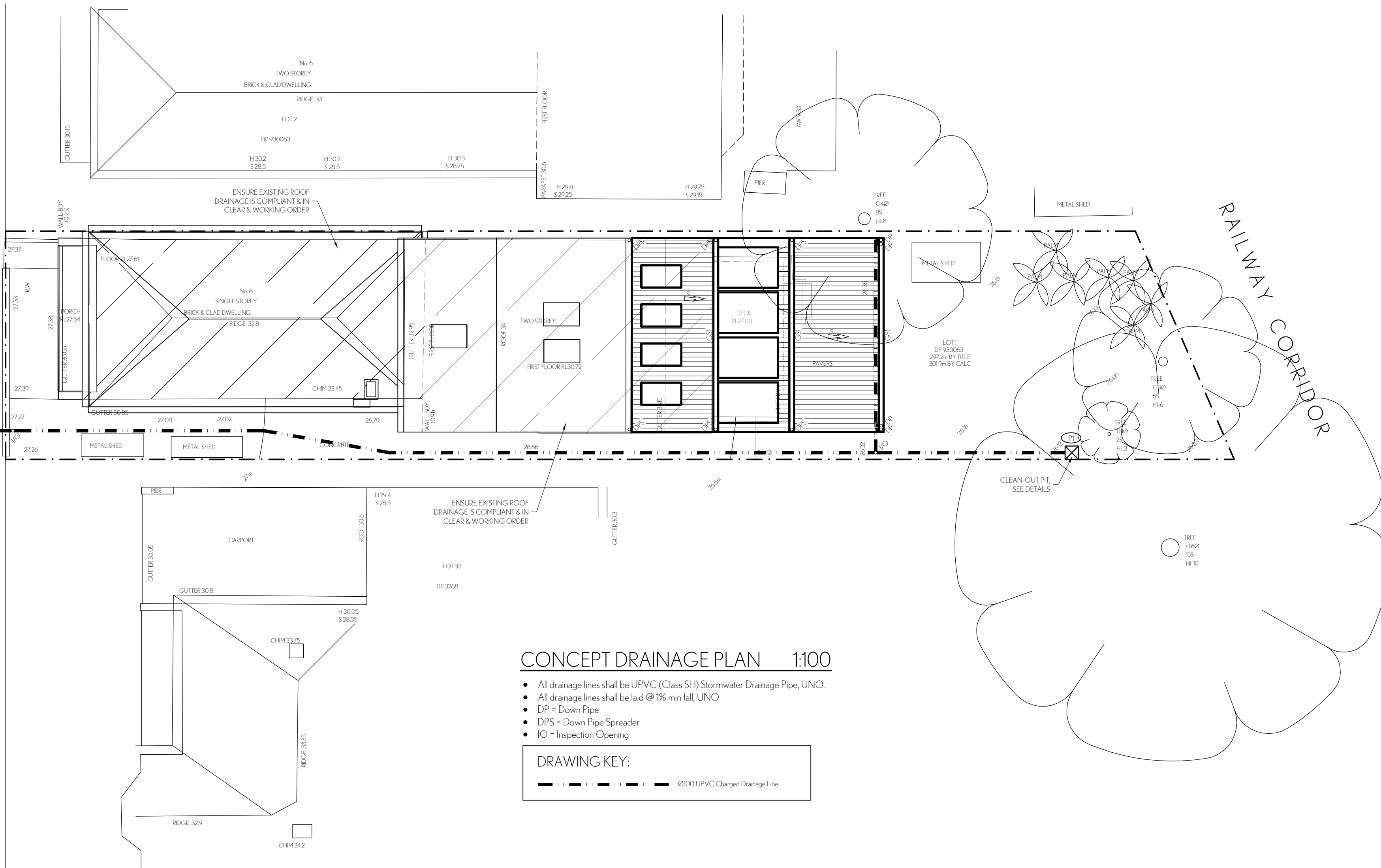
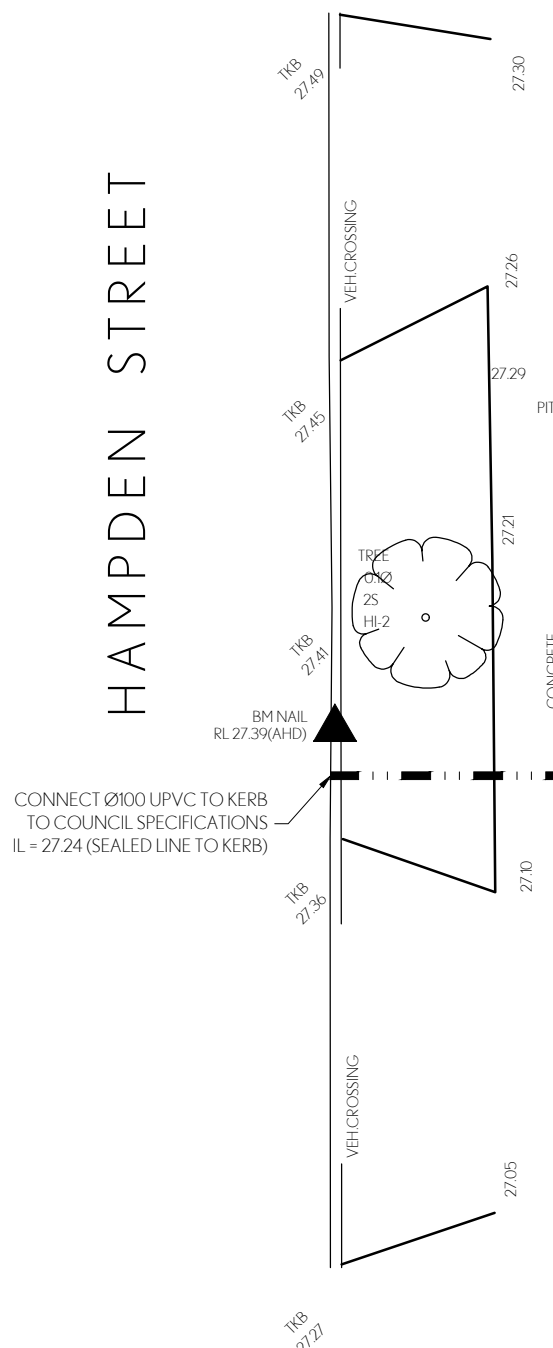
M3 The stockpile shall be covered with a impervious cover and held down firmly at all corners and sides.



K1 In certain circumstances extra sediment trapping maybe needed in the street gutter.

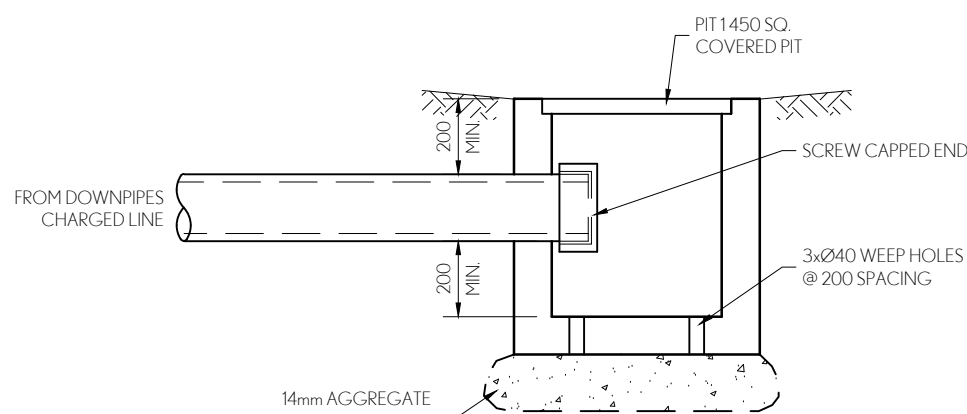


HAMPDEN STREET

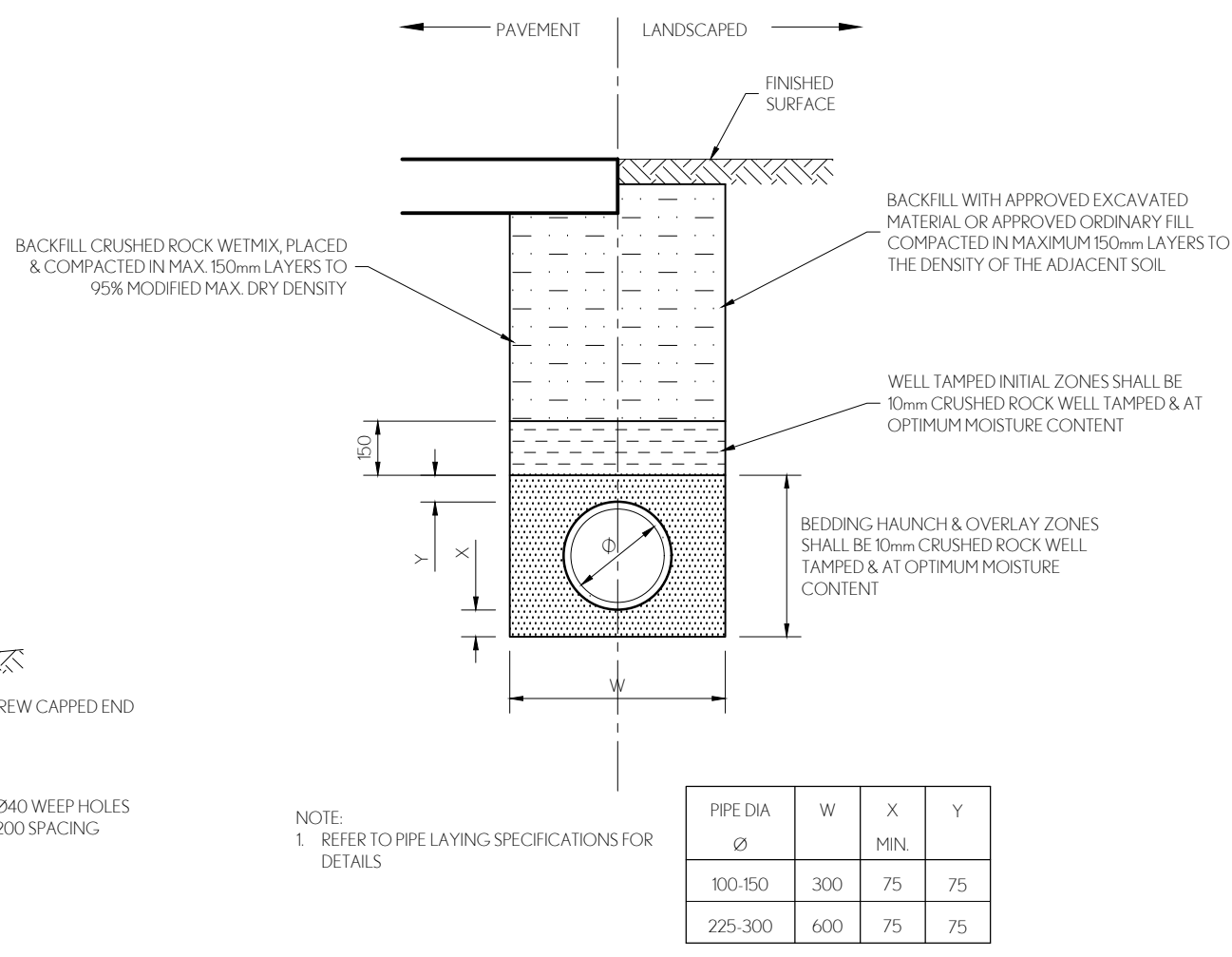


- All drainage lines shall be UPVC (Class SH) Stormwater Drainage Pipe, UNO.
- All drainage lines shall be laid @ 1% min fall, UNO.
- DP = Down Pipe
- DPS = Down Pipe Spreader
- IO = Inspection Opening

Ø100 UPVC Charged Drainage Line



CLEAN OUT PIT P1 DETAIL 1:20



TYPICAL PIPE LAYING DETAILS 1:20

Council: CANTERBURY

Site area = 297.2 m² (0.02972 ha)

No increase in impervious area

DRAINAGE LINE NOTE:

All underground pipes and pits shall not disturb tree roots.
 All sub-soil drainage shall be installed to BCA requirements and connected to the drainage system.
 Drainage line location is indicative and shown for clarity. Exact location subject to change to engineer's approval.
 Existing drainage infrastructure shall be clean & in proper working order.
 All levels shall be verified by builder on-site prior to commencing.
 All charged drainage lines shall be solvent jointed UPVC pipes.

THRESHOLD NOTE:

All new slabs shall have compliant set downs at all thresholds.
Threshold design is the responsibility of the architect and builder to comply with the requirements of the NCC (previously BCA) section 3.1.3.
Engineered by E2 takes no responsibility for structures built without a compliant threshold set down.

DOWNPIPE & GUTTER SCHEDULE

MARK	GUTTER SIZE	DP
GSI	Stramit M/S Pattern Eaves Gutter	Ø100

NOTE: All Gutter Systems shall be GS1, UNC

0	C/E	FOR APPROVAL ONLY	02/06/26
REV	APP	AMENDMENT DISCUSSION	DATE
COPYRIGHT			
Engineered by E2 Pty Ltd is the owner of the copyright subsisting in these drawings, plans, designs and specifications. They must not be used, reproduced or copied in whole or in part without prior written consent of Engineered by E2 Pty Ltd. Design is not certified unless stated.			
PROPOSED ALTERATIONS			
8 HAMPDEN STREET HURLSTONE PARK NSW 2193			
FONZI / CHEN			
CONCEPT DRAINAGE PLAN			
SCALE: 1:100, 1:20	DATE: 2. JUNE 2026	DESIGN: C/E	REV: 0
JOB: 26012	DRAW: SW1	SIGNED:	
engineered by...			
E2			
PO Box 608 WAVERLEY NSW 2024 02 8594 6111 info@E2design.com.au			