

DARLEY STREET

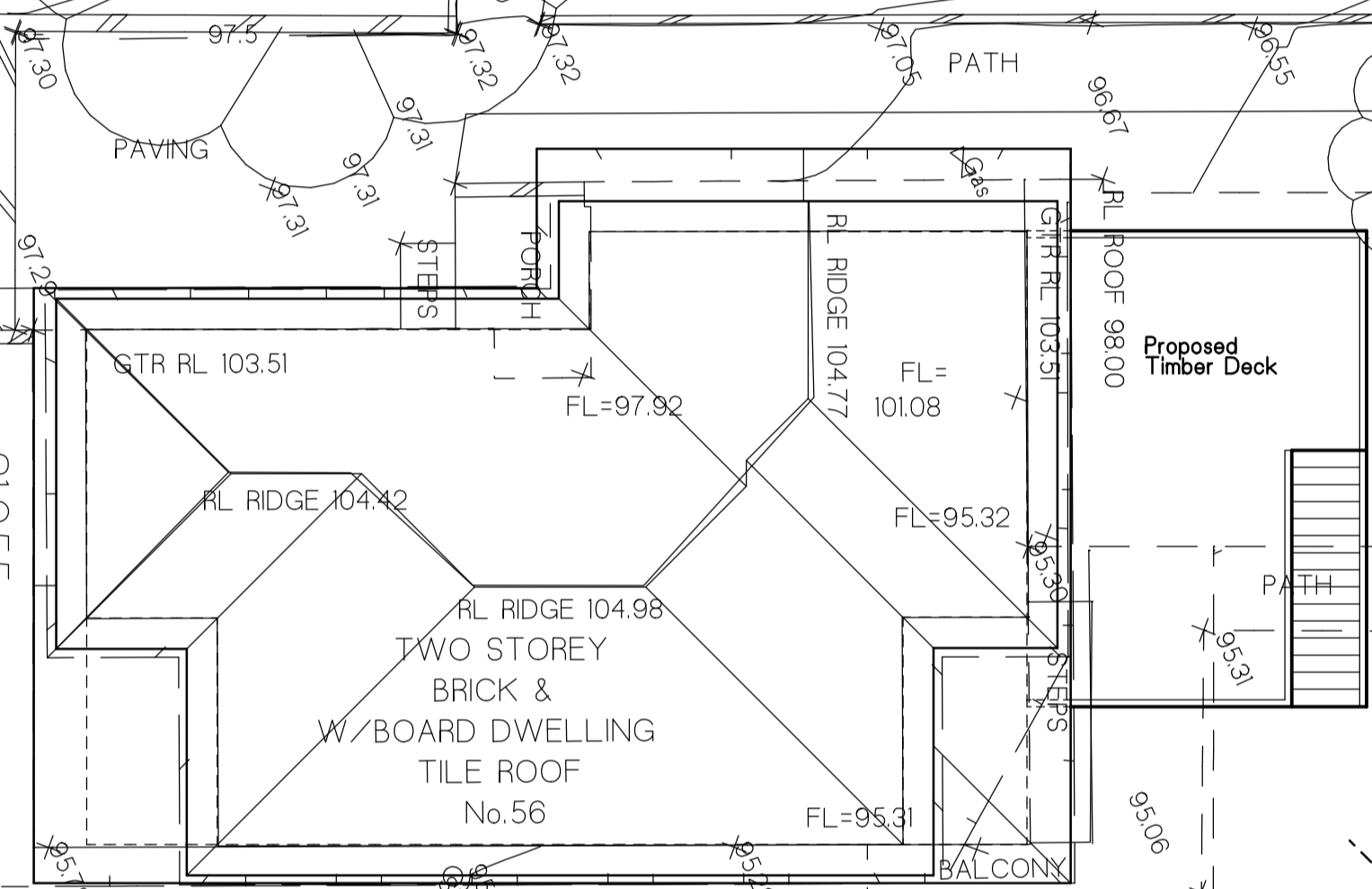
BM CUT RL 97.095 (AHD)
ORIGIN OF LEVEL SSM 6980

HARD SURFACES COMPARISON	
Total Area of block =	0.07556 Hectares
Existing Impervious =	0.0330 Hectares 43.7%
Existing Pervious =	0.04256 Hectares 56.3%
Proposed Impervious =	0.03131 Hectares 41.4%
Proposed Pervious =	0.04425 Hectares 58.6%
Proposed is a decrease in impervious area of 0.00169 Hectares 2.2%	

24
SECTION 77
DP 758566

26
SECTION 77
DP 758566
PUBLIC RESERVE

25
SECTION 77
DP 758566
AREA: 755.6sqm
BUILT-UPON AREA: 314.4sqm
LANDSCAPED AREA: 441.2sqm



NOTE: LOT 25 SECTION 77 NOT PERMITTED TO BENEFIT FROM THIS EASEMENT
(A) DENOTES DRAINAGE EASEMENT 1.83 WIDE

Drainage Pipe Notes.
Slope of pipes to be a minimum of 1:100 i.e. 1%.
All levels and dimensions to be checked and confirmed on site.
All design work and works to be in accordance with AS/NZS 3500.5 (2000) and AS/NZS 3500.3.2 (1998)

All pipes unless otherwise specified on the plan to be 100 dia. UPVC pipe.

Inspection openings will be required at even spacings not more than 30 metres apart and at any change of direction greater than 45 degrees.

The Eaves Gutter connected to all DP's to have a minimum cross sectional area of 6300 sq. mm or similar. Downpipes attached to the eaves gutter to have a minimum diameter of 90mm or 100 x 50 rect. or similar.

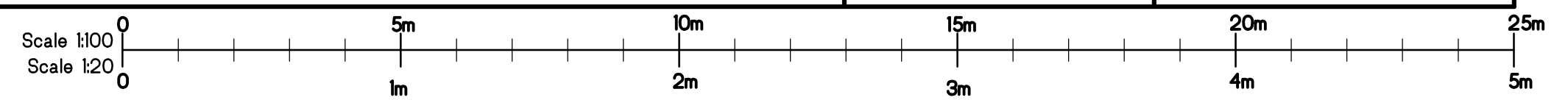
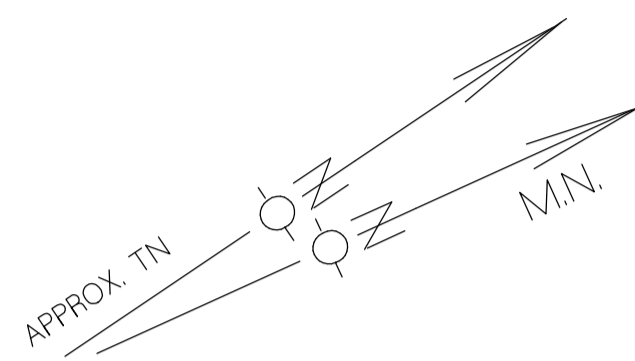
Theoretical Maximum Plan Area for a flat slope is 32.00m² per downpipe.
Adjusted for roof slope 5 deg is 32/1.05 = 30.48m² Plan area

Indication Of Area Draining To Downpipes By Hatching.	Downpipe Size
DPI	212m ² 90 or 100x50
DP2	212m ² 90 or 100x50

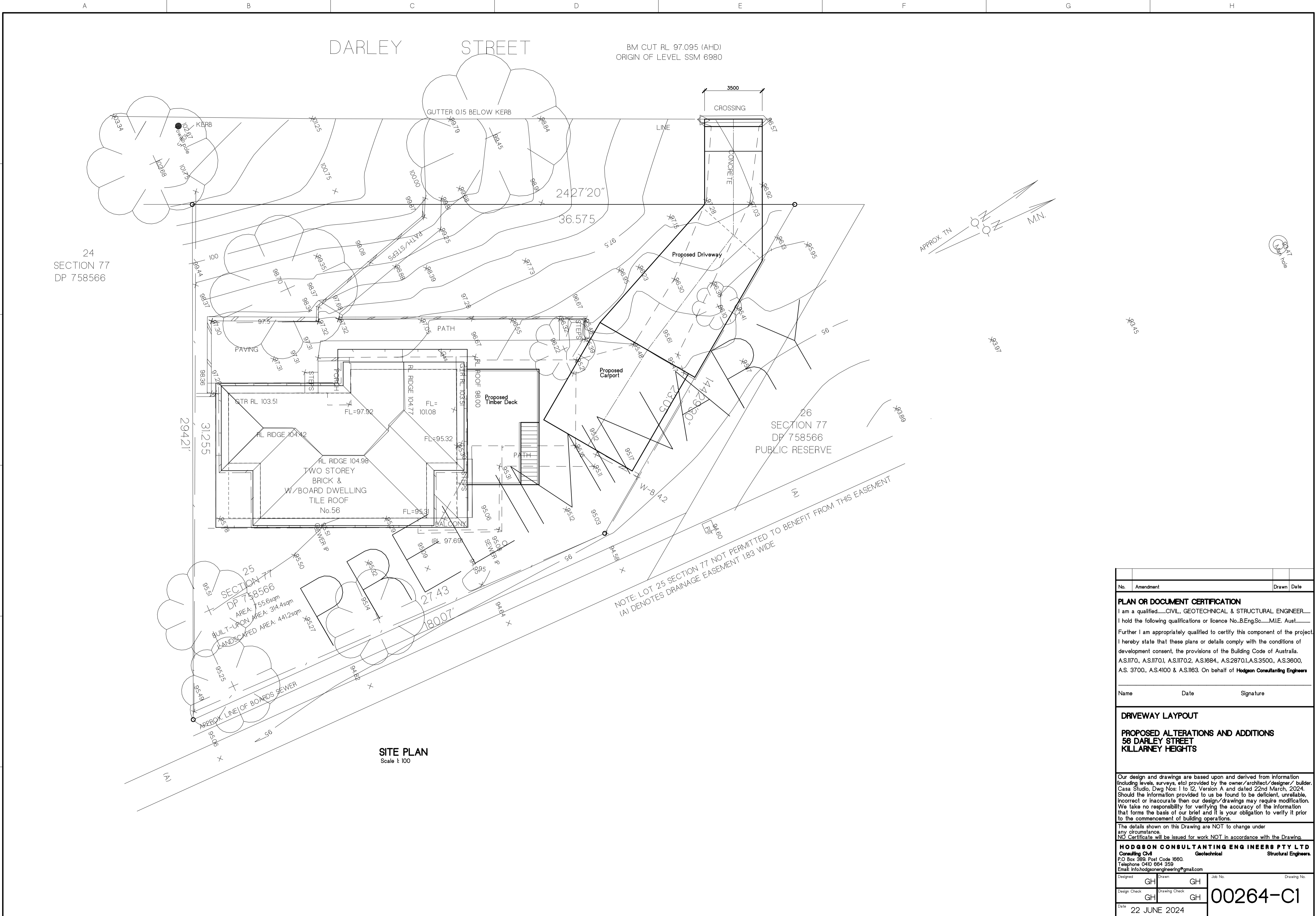
HP - High Point
DP - Downpipe

SITE PLAN
Scale 1:100

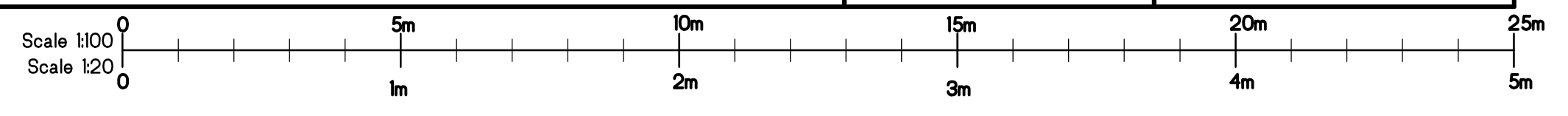
NOTE
Downpipes can be connected to existing stormwater pipes. However, existing pipelines are to be checked and repaired in accordance with AS 3500 as required. Condition, dimensions and slope of existing pipelines need to be checked to be in accordance with AS 3500 to ensure adequacy.

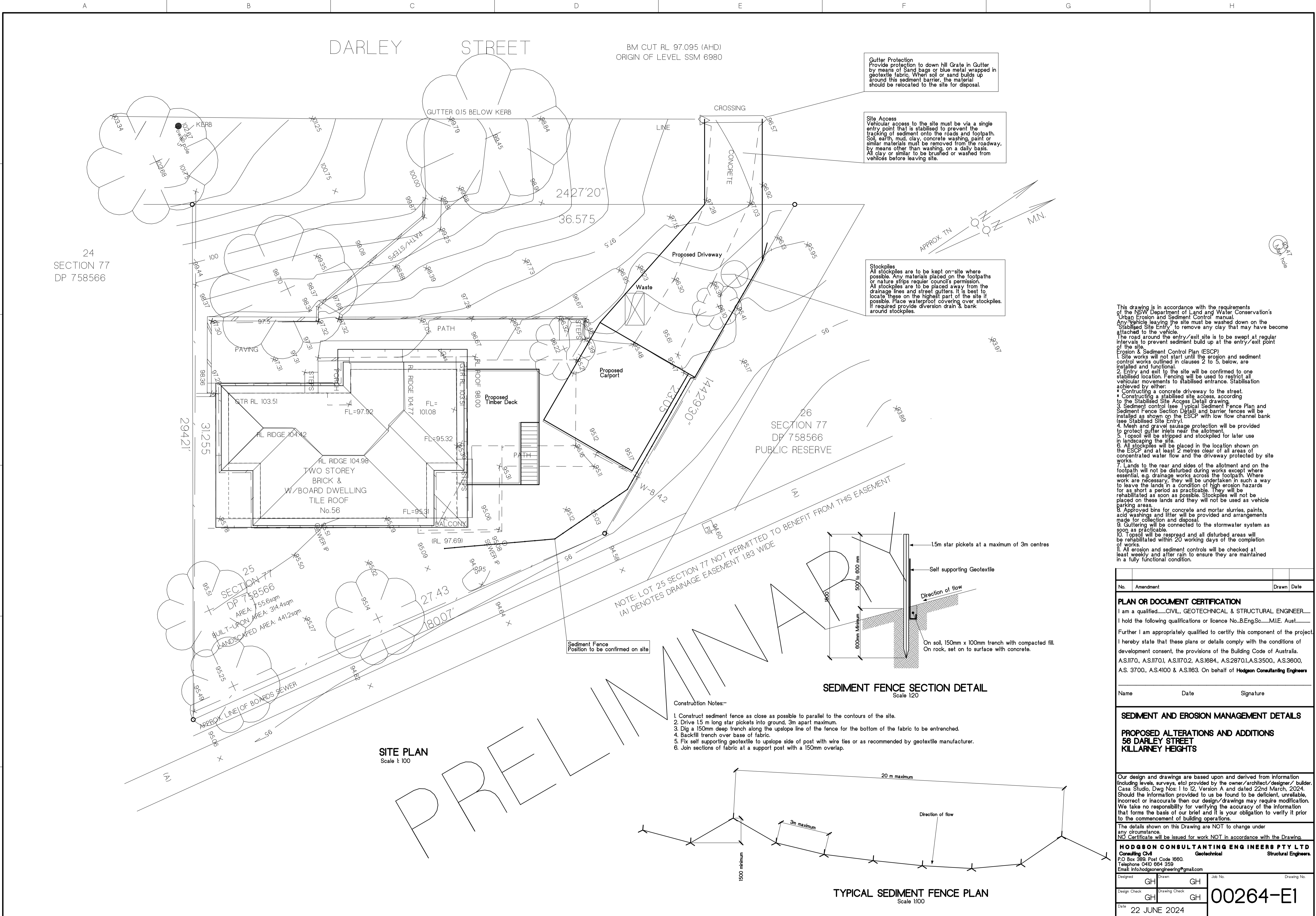


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<p>PLAN OR DOCUMENT CERTIFICATION</p> <p>I am a qualified.....CIVIL, GEOTECHNICAL & STRUCTURAL ENGINEER.....</p> <p>I hold the following qualifications or licence No..B.Eng.Sc.....M.I.E. Aust.....</p> <p>Further I am appropriately qualified to certify this component of the project.</p> <p>I hereby state that these plans or details comply with the conditions of development consent, the provisions of the Building Code of Australia.</p> <p>A.S.1170, A.S.1170.1, A.S.1170.2, A.S.1684, A.S.2870.1,A.S.3500, A.S.3600, A.S. 3700, A.S.4100 & A.S.1163. On behalf of Hodgson Consulting Engineers</p>			
Name		Date	Signature
<p>STORMWATER MANAGEMENT DETAILS</p> <p>PROPOSED ALTERATIONS AND ADDITIONS 58 DARLEY STREET KILLARNEY HEIGHTS</p> <p>Our design and drawings are based upon and derived from information (including levels, surveys, etc) provided by the owner/architect/designer/ builder. Casa Studio, Dwg Nos: 1 to 12, Version A and dated 22nd March, 2024. Should the information provided to us be found to be deficient, unreliable, incorrect or inaccurate then our design/drawings may require modification. We take no responsibility for verifying the accuracy of the information that forms the basis of our brief and it is your obligation to verify it prior to the commencement of building operations.</p> <p>The details shown on this Drawing are NOT to change under any circumstance. NO Certificate will be issued for work NOT in accordance with the Drawing.</p>			
<p>HODGSON CONSULTANT ENGINEERS PTY LTD Consulting Civil Geotechnical Structural Engineers. P.O. Box 388, Post Code 1660. Telephone 0410 664 350 Email: info.hodgsonengineering@gmail.com</p>			
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Design Check	Drawing Check	00264-H1	
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Date	22 JUNE 2024		



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<p>DRIVEWAY LAYOUT</p> <p>PROPOSED ALTERATIONS AND ADDITIONS 58 DARLEY STREET KILLARNEY HEIGHTS</p>			
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BM CUT RL 97.095 (AHD)
ORIGIN OF LEVEL SSM 6980

Gutter Protection
Provide protection to down hill Grate in Gutter by means of Sand bags or blue metal wrapped in geotextile fabric. When soil or sand builds up around this sediment barrier, the material should be relocated to the site for disposal.

Site Access
Vehicular access to the site must be via a single entry point that is stabilised to prevent the tracking of sediment onto the roads and footpath. Soil, earth, mud, clay, concrete washing, paint or similar materials must be removed from the roadway, by means other than washing, on a daily basis. All clay or similar to be brushed or washed from vehicles before leaving site.

Stockpiles
All stockpiles are to be kept on-site where possible. Any materials placed on the footpaths or nature strips require council's permission. All stockpiles are to be placed away from the drainage lines and street gutters. It is best to locate these on the highest part of the site if possible. Place waterproof covering over stockpiles. If required provide diversion drain & bank around stockpiles.

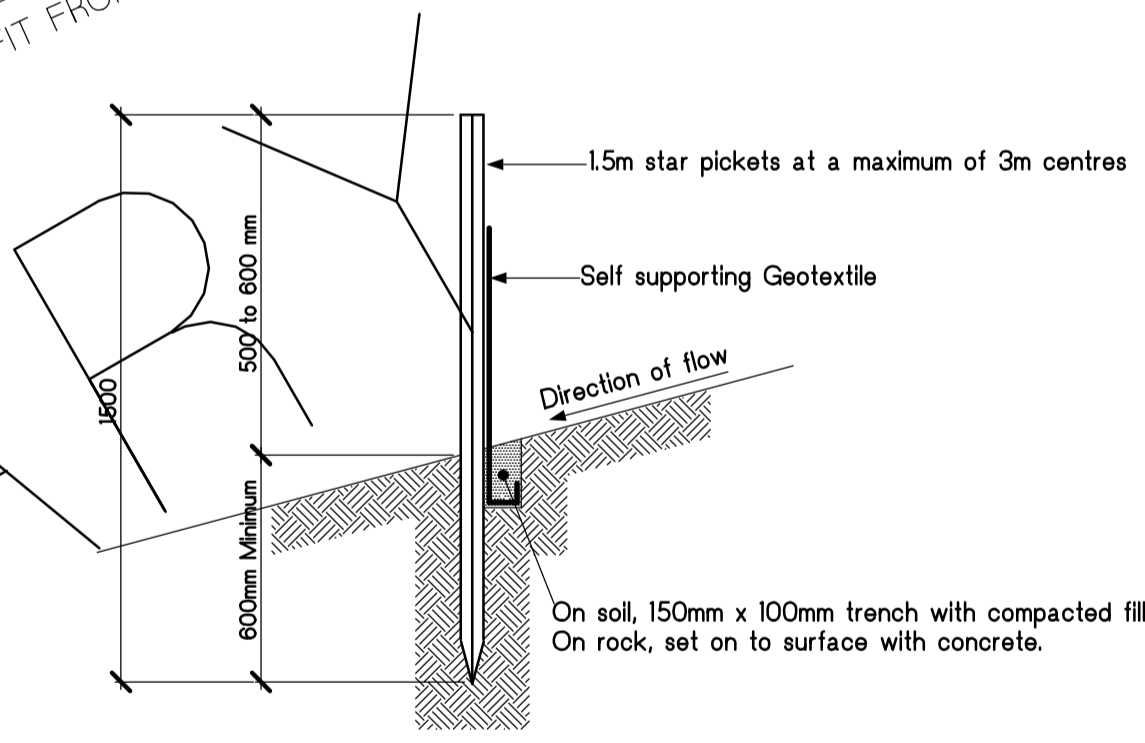
This drawing is in accordance with the requirements of the NSW Department of Land and Water Conservation's "Urban Erosion and Sediment Control" manual.

Any vehicle leaving the site must be washed down on the Stabilised Site Entry to remove any clay that may have become attached to the vehicle.

The road around the entry/exit site is to be swept at regular intervals to prevent sediment build up at the entry/exit point of the site.

Erosion & Sediment Control Plan (ESCP)

- Site works will not start until the erosion and sediment control works outlined in clauses 2 to 5, below, are installed and functional.
- Entry and exit to the site will be confirmed to one stabilised location. Fencing will be used to restrict all vehicular movements to stabilised entrance. Stabilisation achieved by either:
 - Constructing a concrete driveway to the street.
 - Constructing a stabilised site access, according to the Stabilised Site Access Detail drawing.
- Sediment control (see Typical Sediment Fence Plan and Sediment Fence Section Detail) and barrier fences will be installed as shown on the ESCP with low flow channel bank (see Stabilised Site Entry).
- Mesh and gravel sausage protection will be provided to protect gutter inlets near the allotment.
- Topsoil will be stripped and stockpiled for later use in landscaping the site.
- All stockpiles will be placed in the location shown on the ESCP and at least 2 metres clear of all areas of concentrated water flow and the driveway protected by site works.
- Lands to the rear and sides of the allotment and on the footpath will not be disturbed during works except where essential, e.g. drainage works across the footpath. Where work are necessary, they will be undertaken in such a way to leave the lands in a condition of high erosion hazards for as short a period as practicable. They will be rehabilitated as soon as possible. Stockpiles will not be placed on these lands and they will not be used as vehicle parking areas.
- Approved bins for concrete and mortar slurries, paints, acid washings and litter will be provided and arrangements made for collection and disposal.
- Guttering will be connected to the stormwater system as soon as practicable.
- Topsoil will be respread and all disturbed areas will be rehabilitated within 20 working days of the completion of works.
- All erosion and sediment controls will be checked at least weekly and after rain to ensure they are maintained in a fully functional condition.

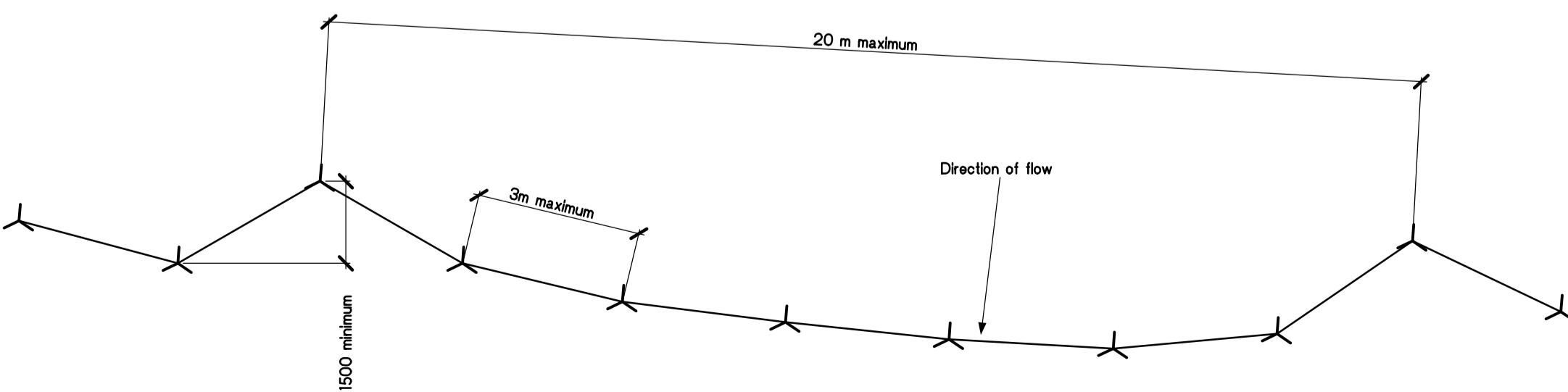


SEDIMENT FENCE SECTION DETAIL
Scale 1:20

Sediment Fence Position
Position to be confirmed on site

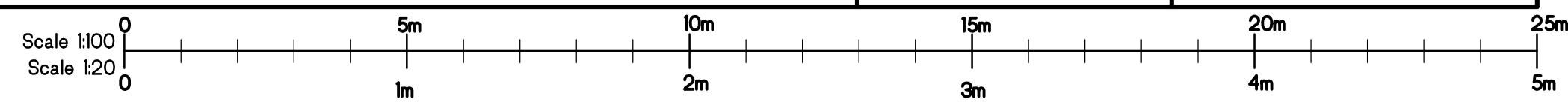
Construction Notes:-

- Construct sediment fence as close as possible to parallel to the contours of the site.
- Drive 1.5 m long star pickets into ground, 3m apart maximum.
- Dig a 150mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.
- Backfill trench over base of fabric.
- Fix self supporting geotextile to upslope side of post with wire ties or as recommended by geotextile manufacturer.
- Join sections of fabric at a support post with a 150mm overlap.

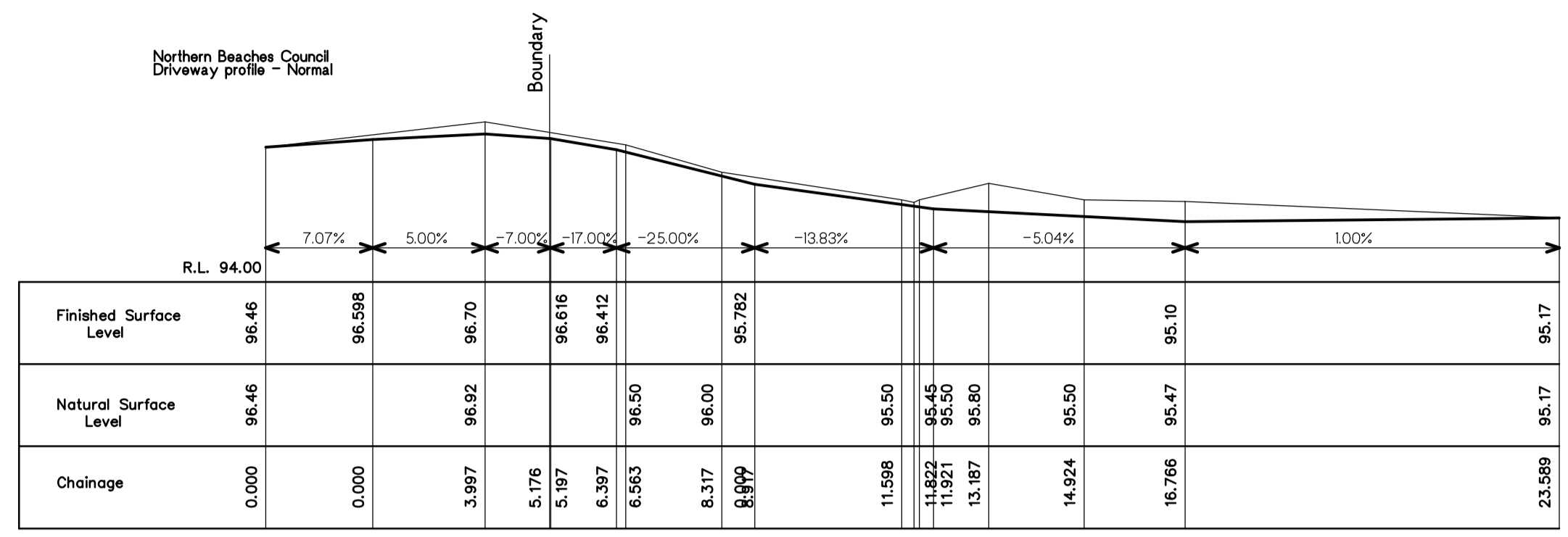


TYPICAL SEDIMENT FENCE PLAN
Scale 1:100

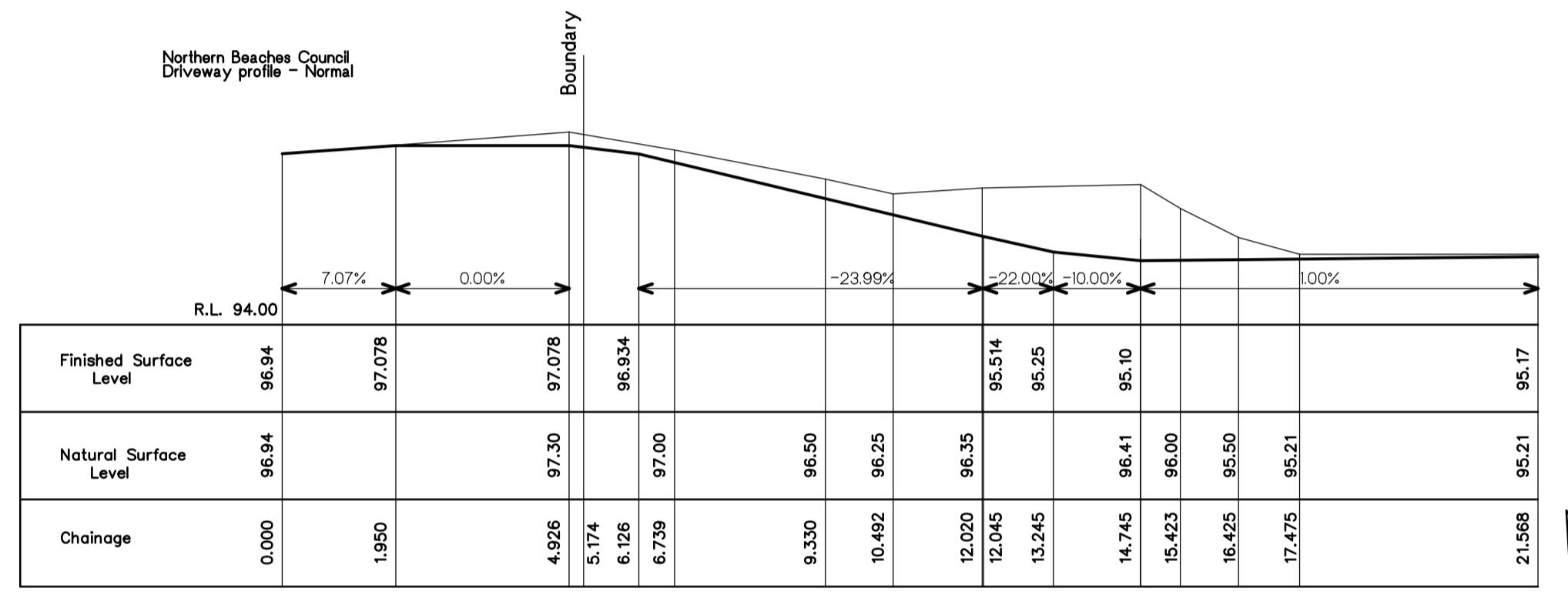
SITE PLAN
Scale 1:100



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Name		Date	Signature
<p>SEDIMENT AND EROSION MANAGEMENT DETAILS</p> <p>PROPOSED ALTERATIONS AND ADDITIONS</p> <p>58 DARLEY STREET</p> <p>KILLARNEY HEIGHTS</p>			
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DRIVEWAY LONG SECTION LEFT HAND SIDE
Scale 1:100



DRIVEWAY LONG SECTION RIGHT HAND SIDE
Scale 1:100

PRELIMINARY

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Name		Date	
Signature		Date	
DRIVEWAY DESIGN LEVELS AND LONGSECTIONS			
PROPOSED ALTERATIONS AND ADDITIONS			
58 DARLEY STREET			
KILLARNEY HEIGHTS			
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