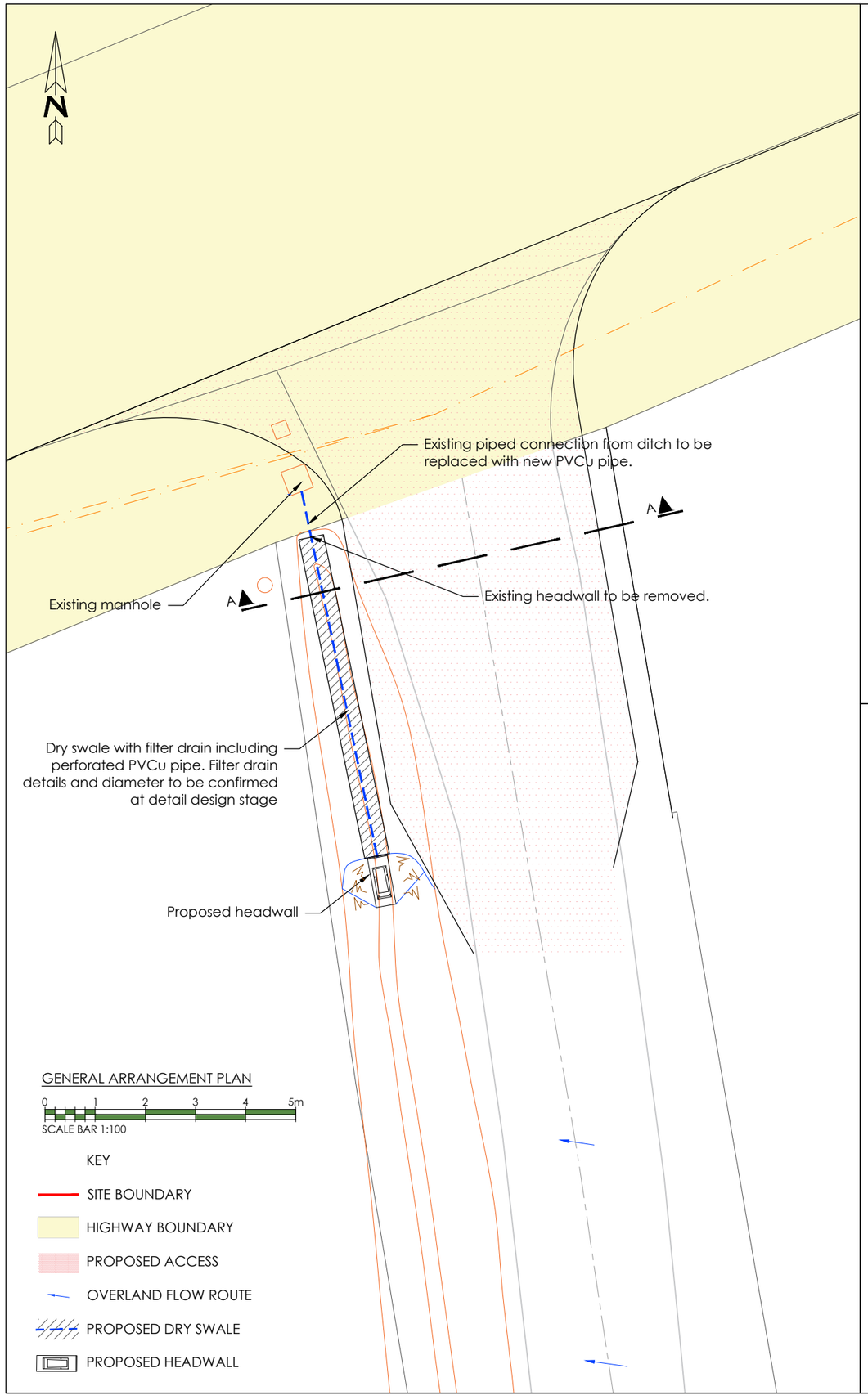


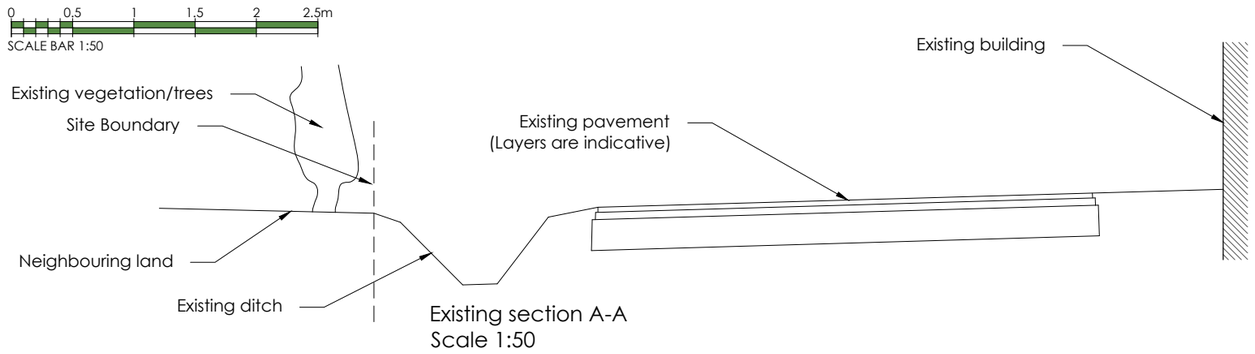
GENERAL ARRANGEMENT PLAN

0 1 2 3 4 5m

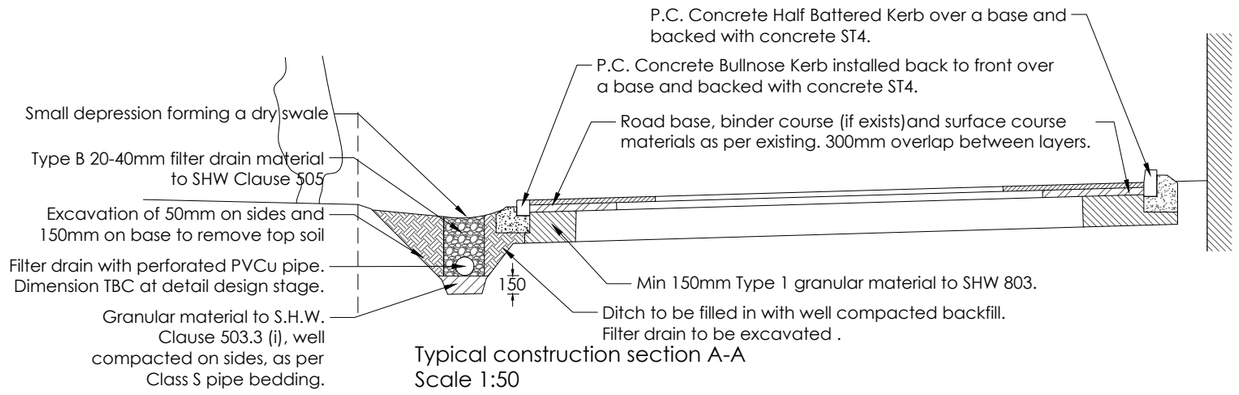
SCALE BAR 1:100

KEY

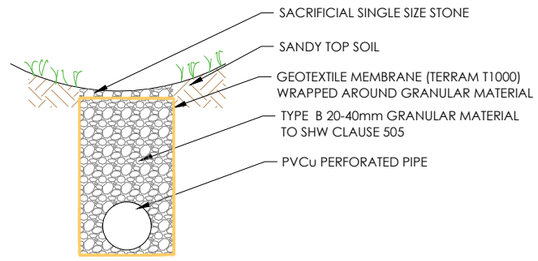
- SITE BOUNDARY
- HIGHWAY BOUNDARY
- PROPOSED ACCESS
- OVERLAND FLOW ROUTE
- PROPOSED DRY SWALE
- PROPOSED HEADWALL



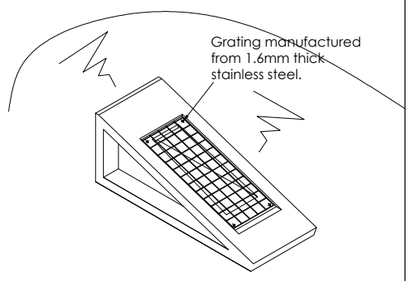
Existing section A-A
Scale 1:50



Typical construction section A-A
Scale 1:50



TYPICAL DRY SWALE DETAIL



TYPICAL HEADWALL DETAIL WITH STAINLESS STEEL GRATING.

Indicative Construction Process:

Excavation of 50mm on sides and 50mm on base of the existing ditch to remove existing top soil and small vegetation. Existing headwall to be removed.

Ditch to be filled with engineered backfill in layers of max 225mm to ensure good compaction.

Extent of new sub-base and kerb bed to be excavated. Excess material to be disposed to authorised landfill.

Road sub-base to be installed.

Precast half-battered kerb and bullnose kerb back to front to be installed with concrete ST4 bed and backing.

Pavement layers to be scarified in 300mm steps to provide overlapping between layers.

Subsequent pavement layers to be installed.

Filter drain to be excavated. 150mm bedding material to be installed.

Precast concrete headwall to be installed over 100mm thickness bed of lean-mix concrete (GEN1).

PVCu pipe to be installed and backfilled with Type B 20/40 filter drain material to S.H.W. Clause 505, wrapped around a geotextile membrane (Terram 1000).

THIS IS AN INDICATIVE DRAWING
AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.
CONSTRUCTION PROPOSALS ARE SUBJECT TO DETAILED DESIGN.
TOPOGRAPHICAL SURVEY WILL BE REQUIRED TO PREPARE THE DETAILED DESIGN.

Rev	Description	Date	Drawn	Checked

Project

Abbotsley, Top Lane, Top Farm

Drawing Description

Indicative Headwall and Dry Swale Arrangements

Drawing Number	Scale	Date	Drawn by	Checked by
ST-2730-04	AS SHOWN	28.11.19	SIV	NJM

Client

Architect

Do not scale off the drawing.
Only written dimensions should be taken.
Any discrepancies or errors should be brought to the attention of the engineer immediately.
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