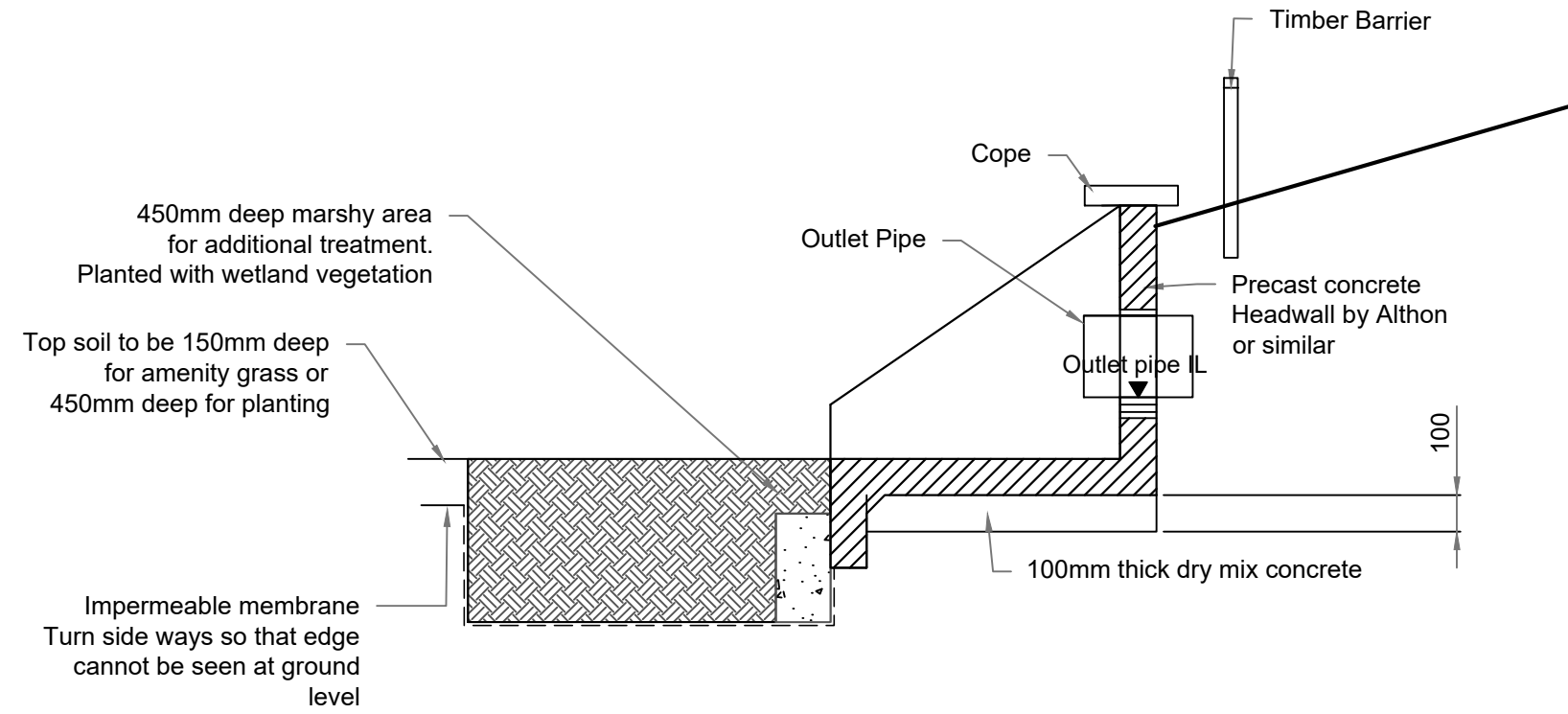


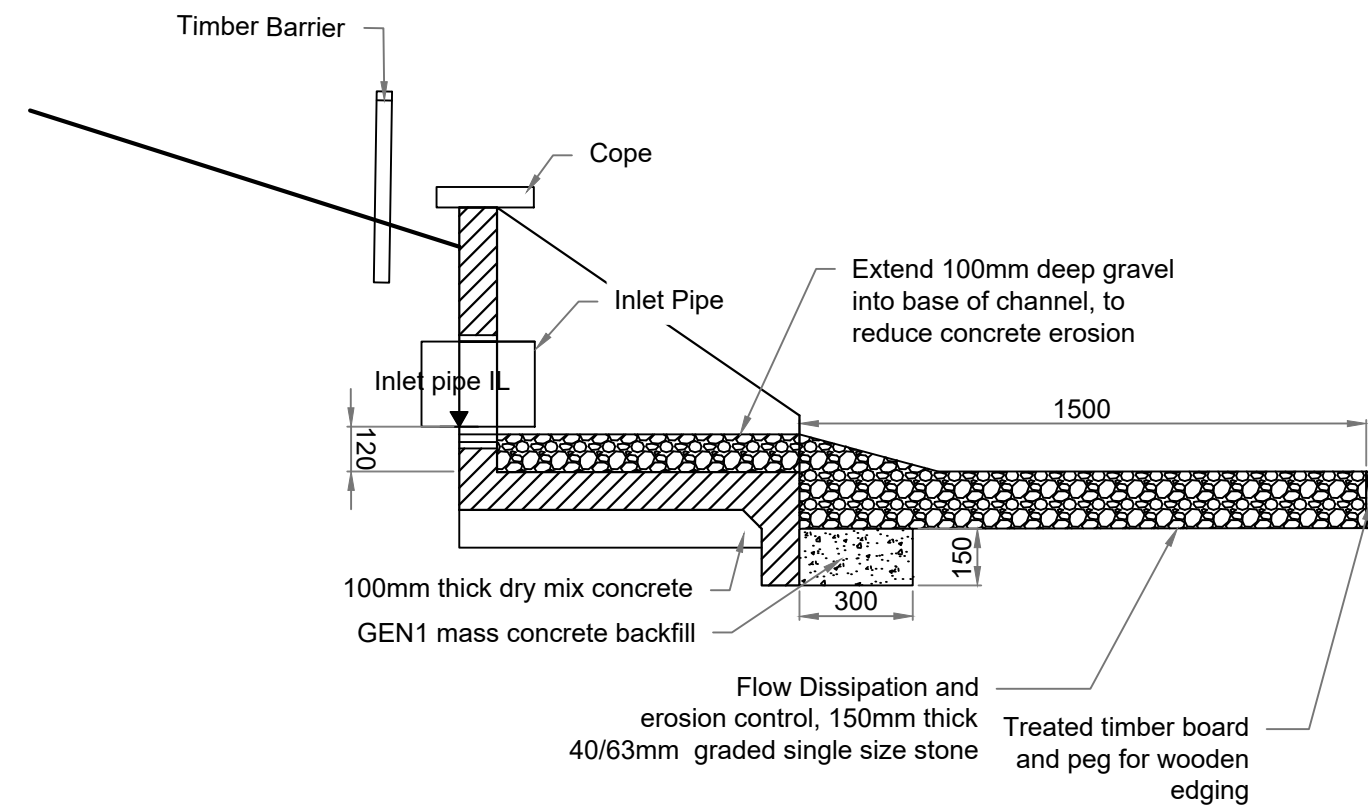
## SECTION OF OUTLET HEADWALL FROM DETENTION BASIN

Scale 1:20



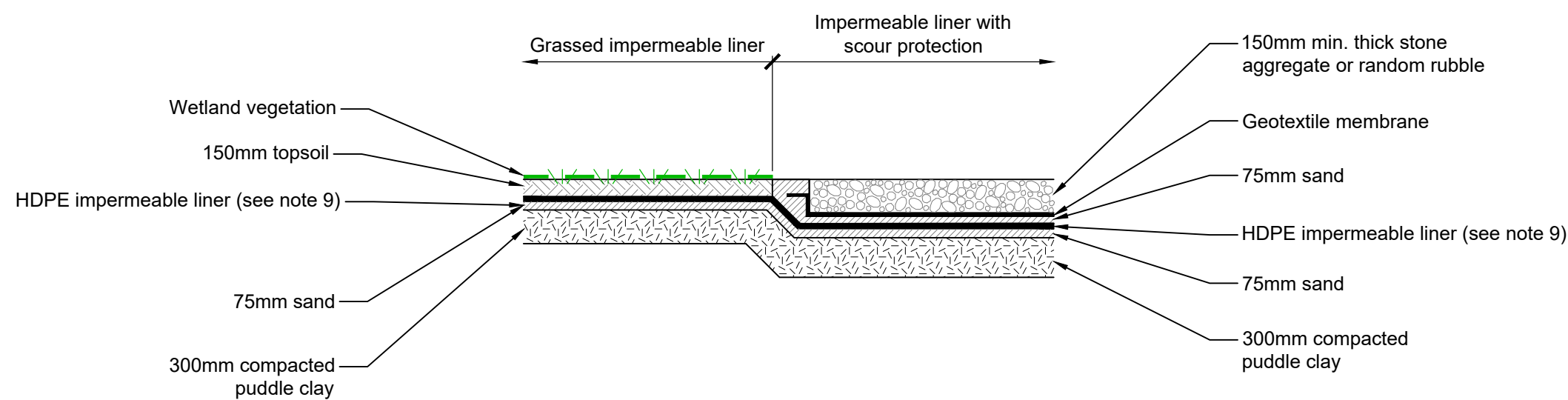
## SECTION OF INLET HEADWALL INTO DETENTION BASIN

Scale 1:20



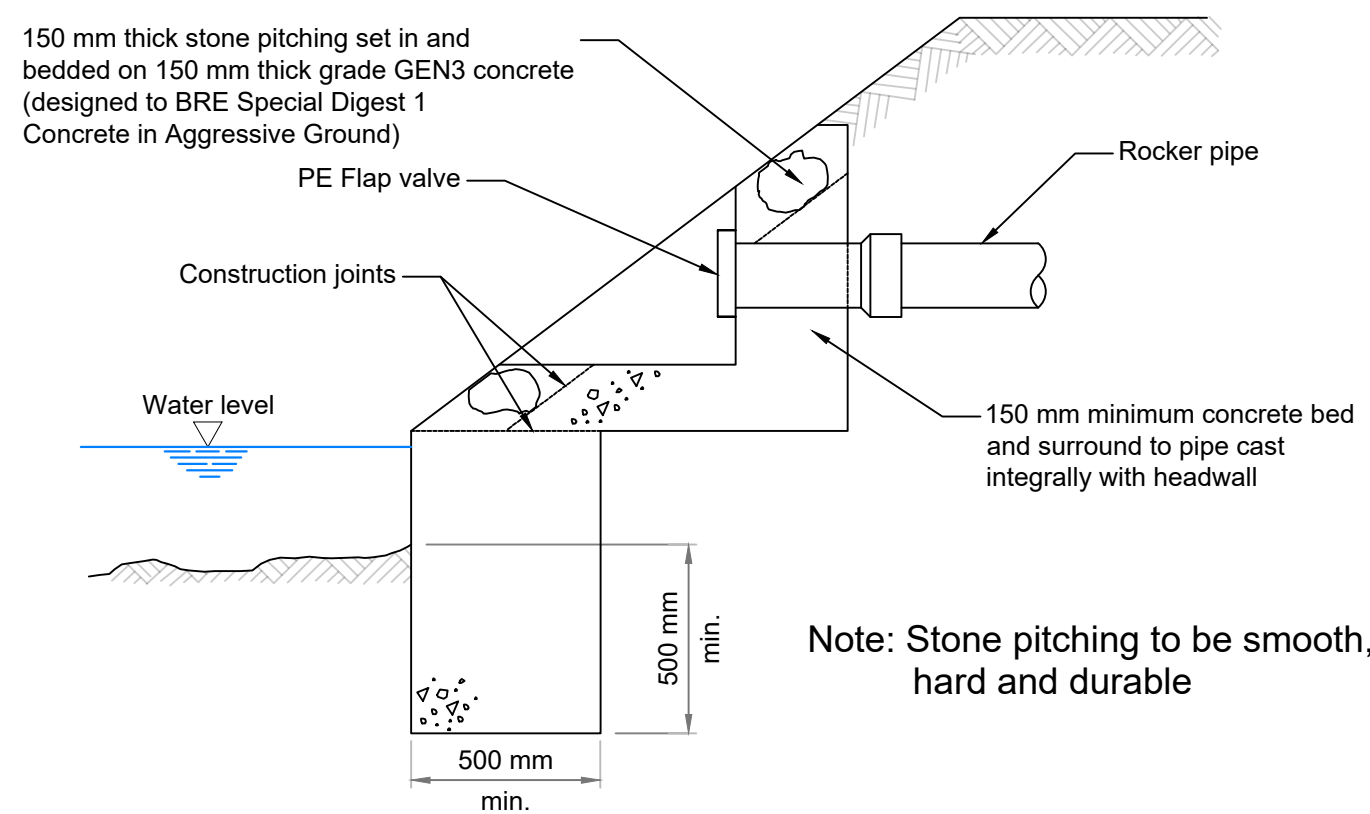
## DETAIL A GRASSED & WITH SCOUR PROTECTION IMPERMEABLE LINERS

Scale 1:50

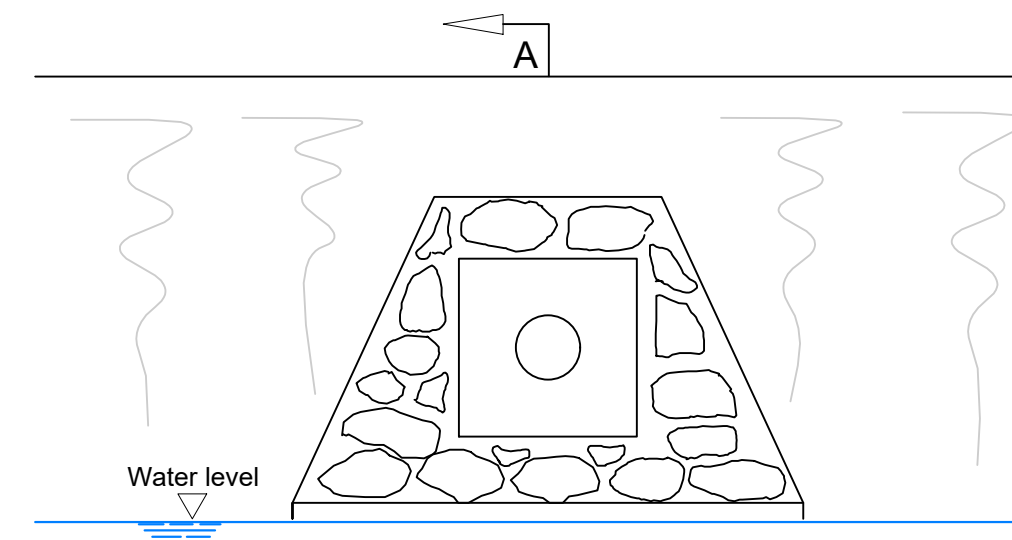


## TYPICAL DETAIL OF OUTFALL TO WATERCOURSE / DITCH

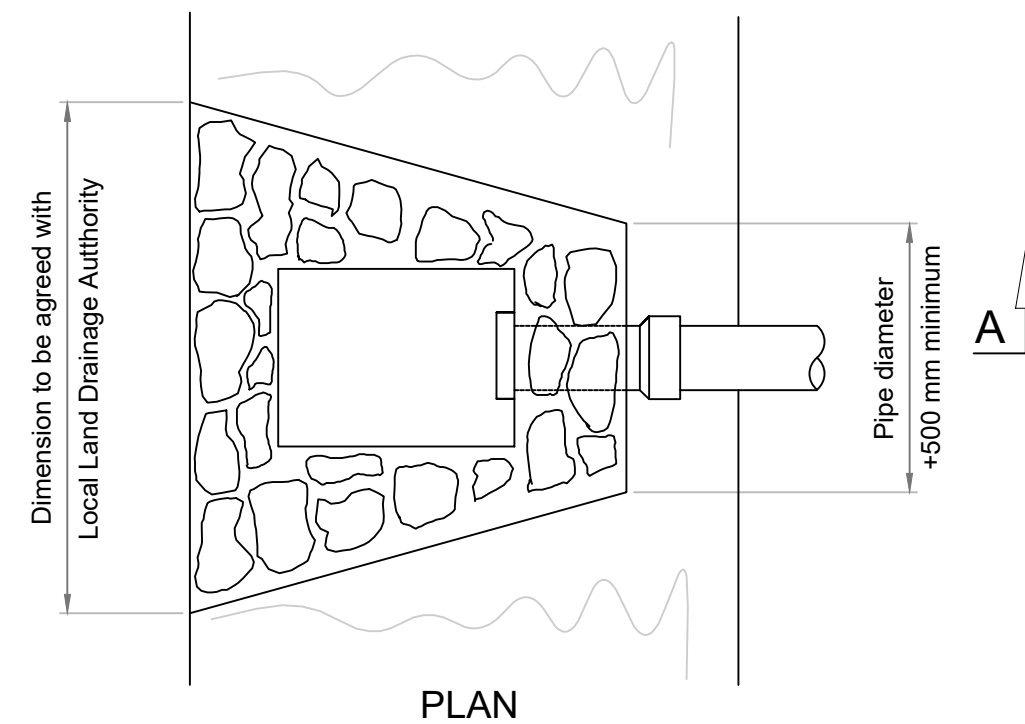
Scale 1:20



## SECTION A-A



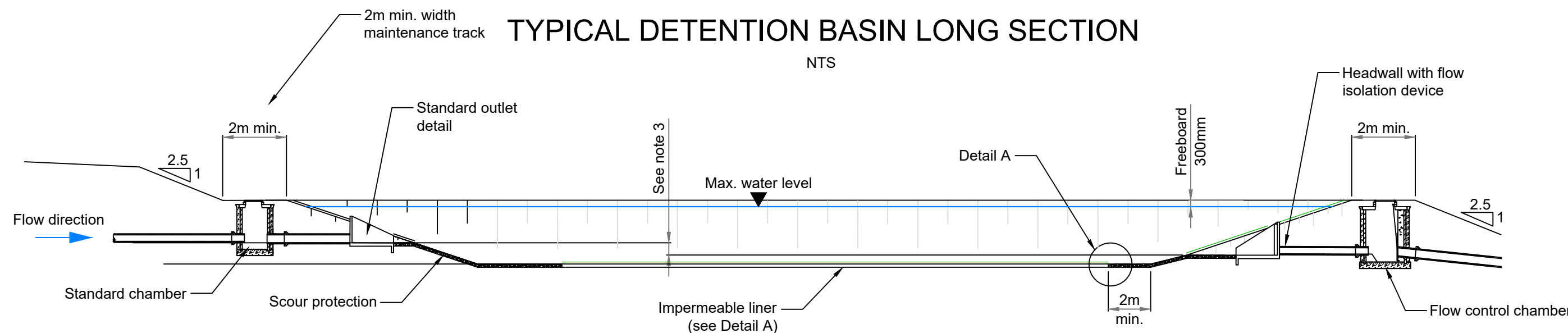
## FRONT ELEVATION



## PLAN

## TYPICAL DETENTION BASIN LONG SECTION

NTS



## NOTES

- Side slopes and dimensions as noted in Drainage Layout (109116-MMD-KNOC-XX-DR-CE-0005).
- Profile of basin to have natural rounded transition between base, side slopes and adjacent ground.
- Difference between inlet and outlet levels should be sufficient to ensure that basin drains as intended (typically 0.5% along flow path).

## NOTES:

- Do not scale from this drawing.
- All dimensions are in millimetres and levels in metres AOD (relative to Ordnance Datum Newlyn) unless otherwise stated.
- This drawing is to be read in conjunction with all relevant documents and drawings.
- Installation of all proprietary products as per the Suppliers Manufacturer Guidelines and Recommendations.
- All SuDS (drainage systems including detention basins, ponds, swales etc.) are to be constructed in accordance with Ciria 753, the SuDS Manual 2015.
- Impermeable geotextile to be a Visqueen® High Performance Urban Drainage Geomembrane (robust, flexible and chemically inert) or similar.

FOR INFORMATION ONLY

NOT FOR CONSTRUCTION

00 03/06/25 IB BR KS APPROVED FOR ISSUE

REV: DATE: DRWN: CHKD: APPVD: DESCRIPTION:

STATUS: PRELIMINARY DESIGN ONLY

CLIENT:



PROJECT:  
LOCH NA CATHRACH

PROJECT NUMBER: LT000325

LOCATION: KNOCKNAGAE

TITLE:

KNOCKNAGAE SUBSTATION EXTENSION  
DRAINAGE DETAILS

DRAWN: I.BIN

ENG CHECK: B.RENTON

DESIGNER: SSENT

COORDINATION:

SCALE: 1:20 - 1:200

APPROVED: K.SMITH

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01 of 01

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