

AGENDA ITEM 6

APPENDIX I

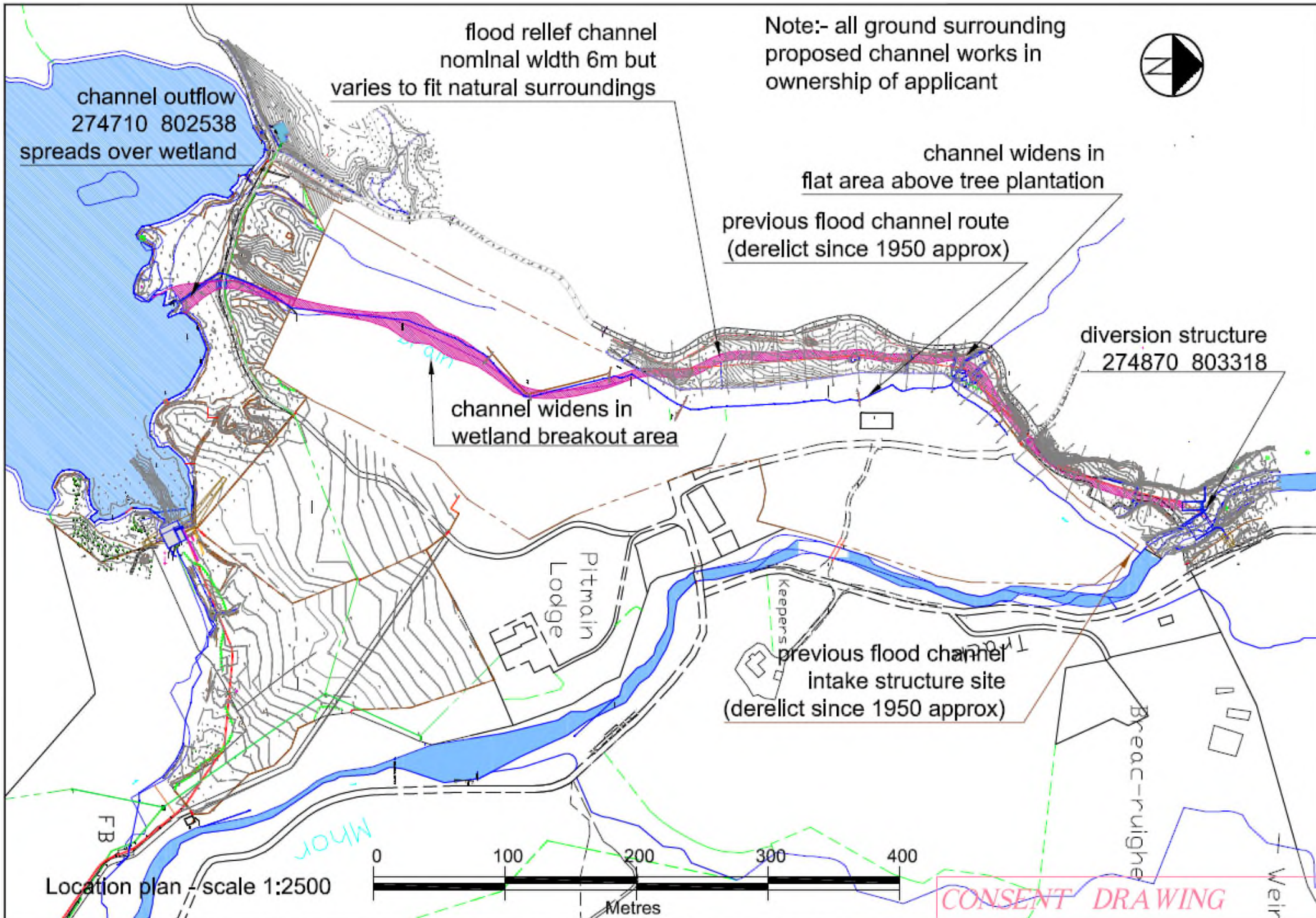
AERIAL PHOTOS AND PLANS

Aerial photograph of the development site and land use cover.

Approximate Route of Proposed Channel

Loch Gynack





channel outflow
274710 802538
spreads over wetland

flood relief channel
nominal width 6m but
varies to fit natural surroundings

Note:- all ground surrounding
proposed channel works in
ownership of applicant



channel widens in
flat area above tree plantation
previous flood channel route
(derelict since 1950 approx)

channel widens in
wetland breakout area

diversion structure
274870 803318

Pitmain
Lodge

previous flood channel
intake structure site
(derelict since 1950 approx)

Breac-nuighie

Weir

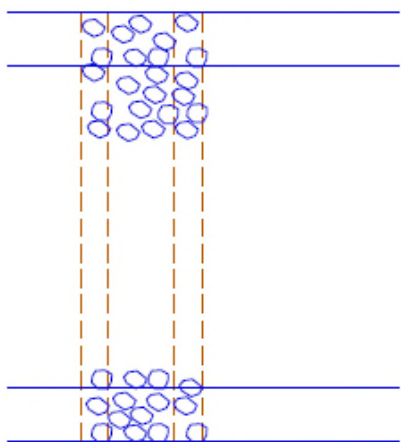
Location plan - scale 1:2500



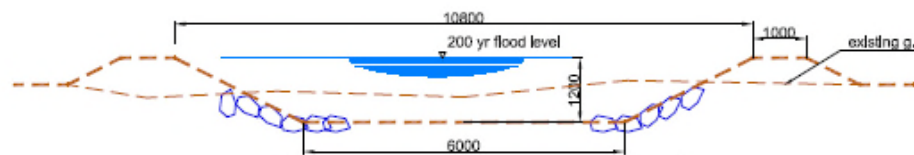
CONSENT DRAWING



diversion channel long section with typical falls

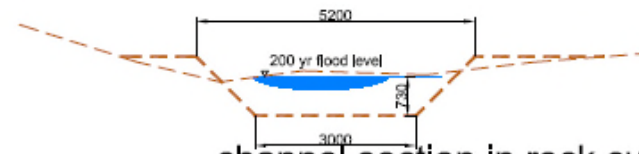


plan on fall structure



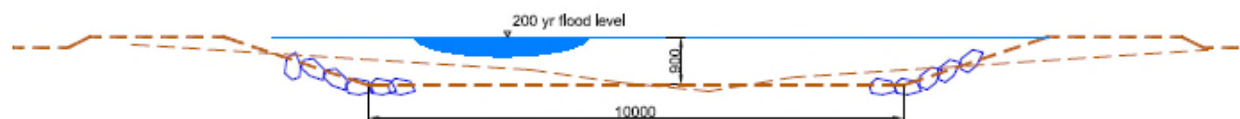
channel section - nominal

channel hydraulic parameters
 design flood (200 year) - 12 m³/s
 manning n 0.065
 channel gradient 0.0067 (1 in 150)
 side slopes 1:2
 normal depth 1.2m for bedwidth 6m
 velocity 1.17 m/s, froude 0.75



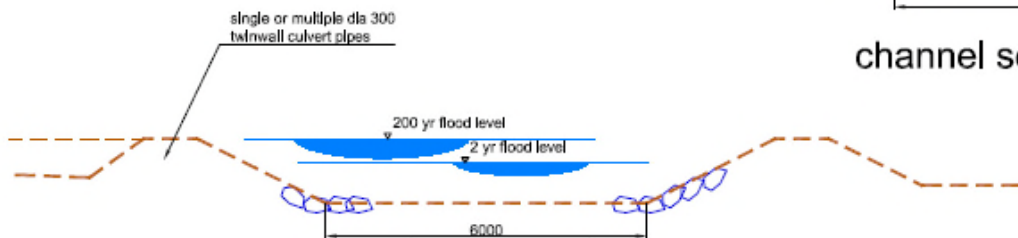
channel section in rock cut

rock-cut channel hydraulic parameters
 design flood (200 year) - 12 m³/s
 manning n 0.06
 channel gradient 0.19
 side slopes 1:1
 normal depth 0.73m for bedwidth 3m
 velocity 4.4 m/s, froude 1.82



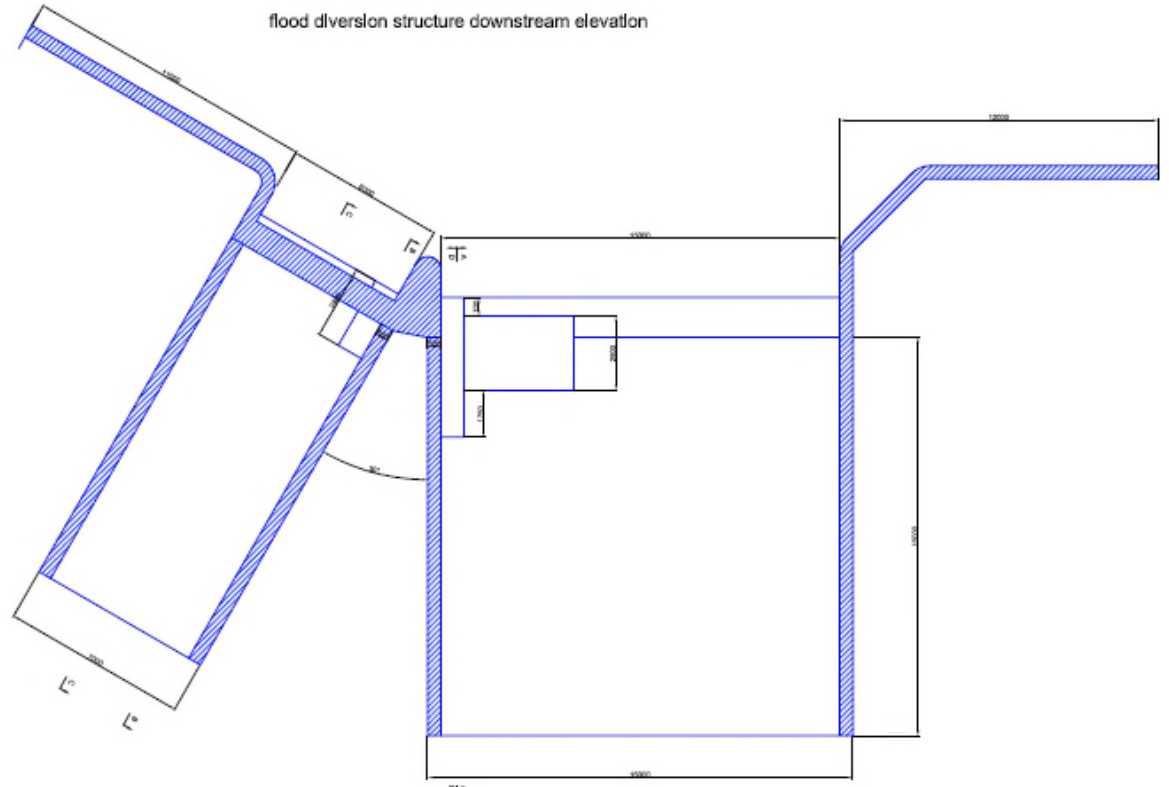
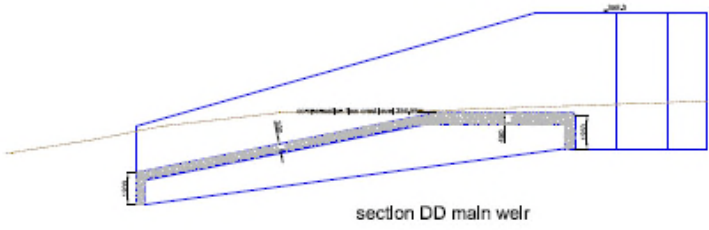
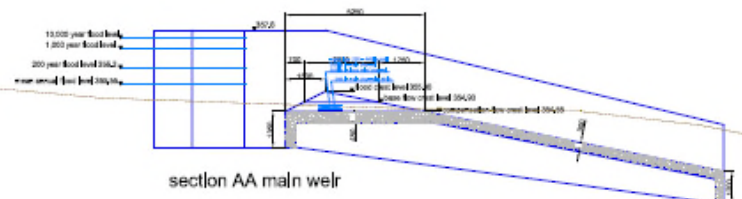
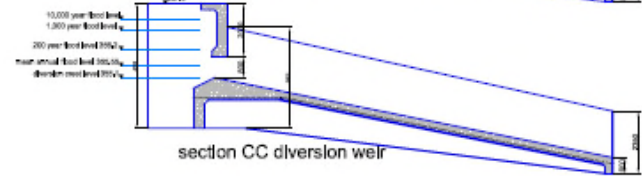
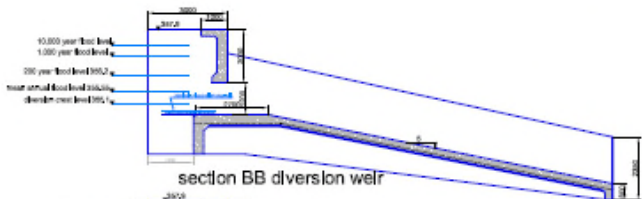
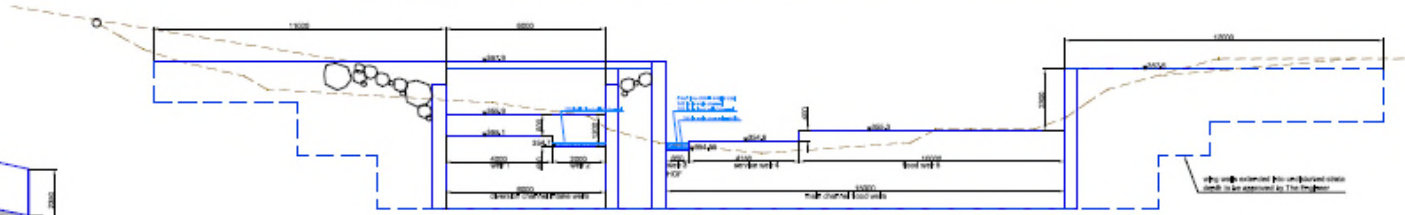
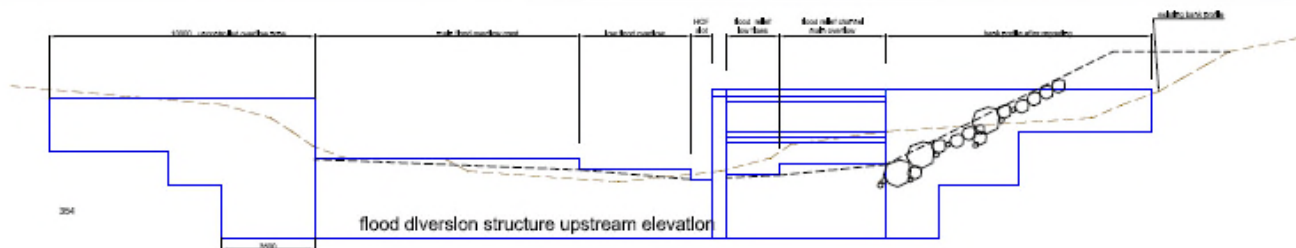
channel section in breakout zone

channel hydraulic param
 design flood (200 year) -
 manning n 0.065
 channel gradient 0.008
 side slopes 1:3
 normal depth 0.9 m for b
 velocity 1.09 m/s froude



channel section with inflowing burn

revision	date	drawn by	checked



revision	date	drawn by	checked	
C	11.4.16	al	al	wingwall connections into banks detailed

Gynack Flood Diversion structure

scale 1:200

Pitmain Estate - Gynack flood alleviation scheme

ADRIAN LAYCOCK Ltd apr 2016 dwg no 2183/6C

CONSENT DRAWING