



FRL (FINISHED ROAD LEVEL)

200 300

1000

1000

TYPICAL SECTION THROUGH CULVERT

SCALE 1:20

300 200

BOX CULVERT

CULVERT INVERT LAID 300mm -

BELOW STREAM BED LEVEL

PROPOSED 1.0m (H) x 1.0m (W) -



- FOR ROAD

CLASS 6N FILL MATERIAL

TO CL.610 TO EXTEND TO

50mm GRANULAR CLASS 6L BINDING

LAYER ON 150mm MINIMUM THICK OF

SELECTED WELL GRADED CLASS 6N

SUB-GRADE (SOFT MATERIAL TO BE

REMOVED & REPLACED WITH WELL

COMPACTED LAYER OF CLASS 6N

MATERIAL WITH MINIMUM THICKNESS

OF 200mm. GROUND CONDITIONS TO

BE ASSESSED ON SITE.)

MATERIAL BLINDING ON SUITABLE

TOP OF CULVERT

REFER DWG

CONSTRUCTION LAYERS

P211102-PIN-XX-DR-D-140-S1

DESIGN NOTE EXISTING BED LEVEL:

LEVEL INFORMATION TAKEN FROM LAND SURVEYS TOPOGRAPHICAL SURVEY DRAWING D1728F2D DATED 04/10/06. ALL INVERT LEVELS ARE TO BE CONFIRMED ONSITE WITH THE ENGINEER PRIOR TO COMMENCING THE WORKS.

ANY DISCREPANCIES ARE TO BE REPORTED TO PINNACLE CONSULTING ENGINEERS IMMEDIATELY.

FOR ALL RELEVANT NOTES, REFER TO STRUCTURAL

DO NOT SCALE THIS DRAWING. WORK ONLY TO

AND CIVIL ENGINEERING PERFORMANCE

4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS, ARCHITECTS AND

SUB-CONTRACTORS DRAWINGS AND DETAILS.

5. THIS DRAWING IS TO BE PRINTED IN COLOUR.

6. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS EXPRESSLY STATED.

7. EXISTING SITE AND LEVEL INFORMATION TAKEN FROM LAND SURVEYS TOPOGRAPHICAL SURVEY DRAWING D1728F2D DATED 04/10/06.

8. THIS DRAWING HAS BEEN PREPARED USING THE PROPOSED SITE LAYOUT FROM DAVEY + SMITH ARCHITECTS DRAWING IP00 DATED 16/08/24.

<u>LEGEND</u>

GENERAL NOTES

FIGURED DIMENSIONS.

SPECIFICATION.



13.5m - EXISTING DITCH BED TO BE REGRADED OVER THIS LENGTH BOULDER/STONE STEP PROPOSED GROUND LEVEL INSTALLED 1.5m HIGH HEAD WALL WING WALL 108 2.35m (H) x 1.5m (W) PROPOSED WATERMAIN 3.4m (H) x 2.5m (W) HEAD WALL 2.2m (H) x 1.3m (W) **▼**FRL 107.01 GABION -WING WALL **BOTTOM LVL 105.11** -EX. BED -1.0m x 0.5m 3.2m (H) x 2.5m (W) BOTTOM LVL 105.27 LVL:106.84 106 450mm ø -GABION 1.0m x 0.5m 375mm ø RETAINING WALL — PROPOSED WATERMAIN PROPOSED WATERMAIN GABION 1.5m x 0.5m 104.58 105 104.55 GABION 1.5m x 1.0m - EXISTING GROUND LEVEL BED LVL:105.21 -- GABION 1.0m x 1.0m - EXISTING BED LEVEL I.L 103.665 -BOULDER/STONE STEP ── I.L 102.990 102 INSTALLED 1.1m HIGH PROPOSED BOX CULVERT - 300mm THK. - GABION 1.5m x 1.0m BED LEVEL @ 300mm 1.0m (H) x 1.0m (W) **RENO MATTRESS** 101 BELOW EXISTING BED LEVEL - GABION 1.0m x 1.0m - 300mm THK. **RENO MATTRESS** 100 0.00m 20m 40m 47.46m BOX CULVERT 01 CHAINAGE 1+176 - LONGSECTION SCALE: H 1:100,V 1:100. DATUM: 100.000

SPRAY APPLIED

WATERPROOFING OR AN

APPROVED GEOTEXTILE

INCORPORATE MAMMAL SHELF

SLOPE FOR CLASS 6N BACKFILL

MATERIAL TO CONTINUE TO

PRECAST CULVERT TO

SOFFIT OF CULVERT

EXPOSED VERTICAL FACES -

MODIFIED EPOXY RESIN

EXISTING CHANNEL TO BE

REPLACED WITHIN CULVERT

USING EXCAVATED MATERIAL

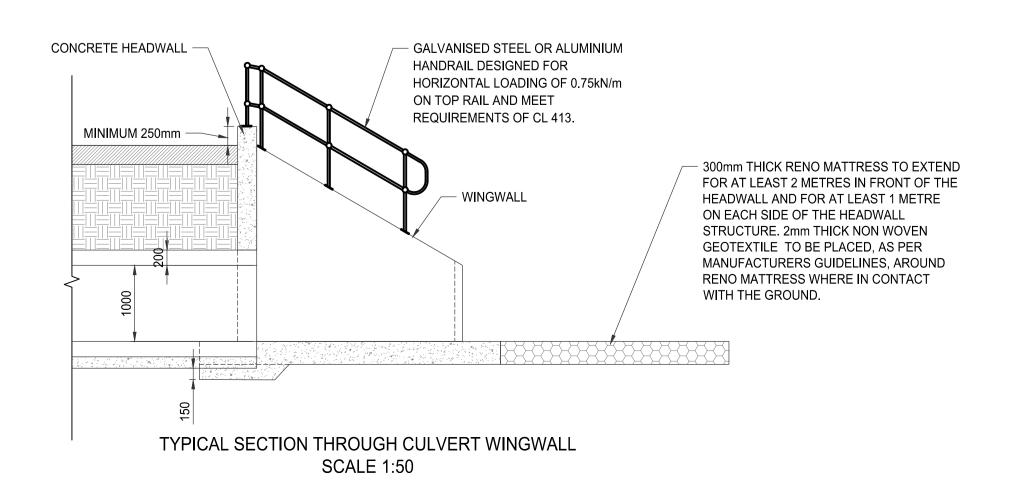
WITH STONE GREATER THAN

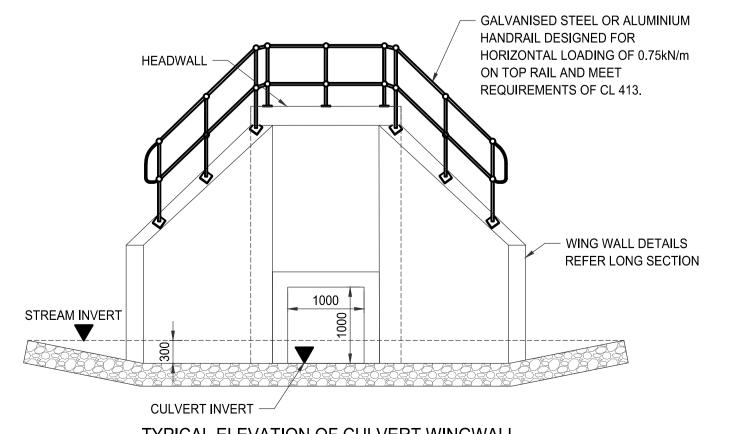
50mm DIAMETER REMOVED

WATERPROOF PAINT

TREATED WITH 2 COATS OF TAR

BED LEVEL





TYPICAL ELEVATION OF CULVERT WINGWALL SCALE 1:50

SCALE 1:20 0 0.20 0.40 0.60 0.80 1.00m -----DIMENSIONS IN METRES SCALE 1:50 0 0.50 1.00 1.50 2.00 2.50m -----

DIMENSIONS IN METRES SCALE 1:250 0 2.5 5 7.5 10 12.5m DIMENSIONS IN METRES

P01 ISSUED FOR PLANNING

MJ JB 02/09/24 BY CHK/ DATE APP REV DESCRIPTION

CAPAMI LTD

PROJECT OLDCOURT LRD

STORM WATER CULVERT 01 **DETAILS**



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DRAWING STATUS **PLANNING** DRAWN BY CHECKED APPROVED SCALE @ A1 DATE SOR AS SHOWN 2024/09/02 MJ JB

P211102-PIN-XX-XX-DR-C-01000-S2