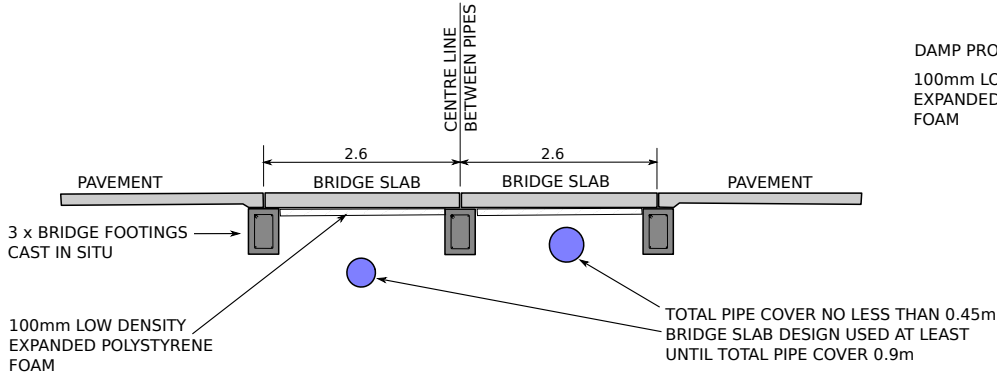


- PIPELINE CROSSING :
- =====
- 1) PIPE SECTIONS WITH COVER LESS THAN 0.9m AND GREATER THAN 0.45m ARE TO BE PROTECTED WITH A REINFORCED CONCRETE BRIDGE AS SHOWN HERE.
- 2) CONCRETE PAVEMENT AS SPECIFIED IN P1.ENG004 ROAD CROSS SECTIONS TO BE USED WHERE PIPE COVER IS GREATER THAN 0.9m.
- 3) PAVEMENT SLABS OVER THE PIPES ARE TO HAVE FREE JOINTS AND CAST IN SITU ON DAMP PROOF MEMBRANE TO FACILITATE LIFT OUT FOR MAINTENANCE.
- 4) DESIGN ASSUMES GOOD GROUND. FINAL DEPTHS TO BE CONFIRMED BY ENGINEER AFTER TESTING SUBGRADE AND POSSIBLE REMEDIATION.
- 5) ALL WORK WITHIN EASEMENT TO BE NOTIFIED AT LEAST 3 DAYS IN ADVANCE TO WELLINGTON WATER FOR POSSIBLE STANDOVER.

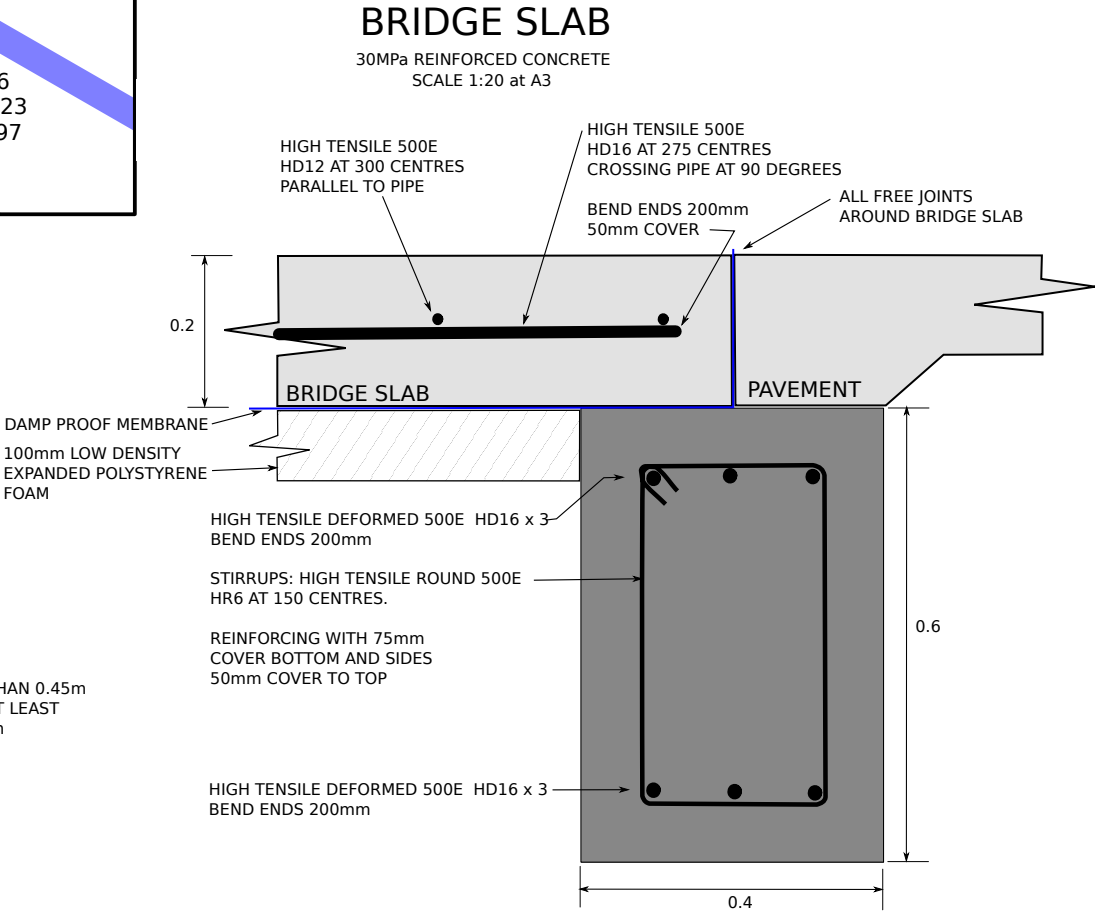
PIPELINE CROSSING WEST RIGHT OF WAY

SCALE 1:100 at A3



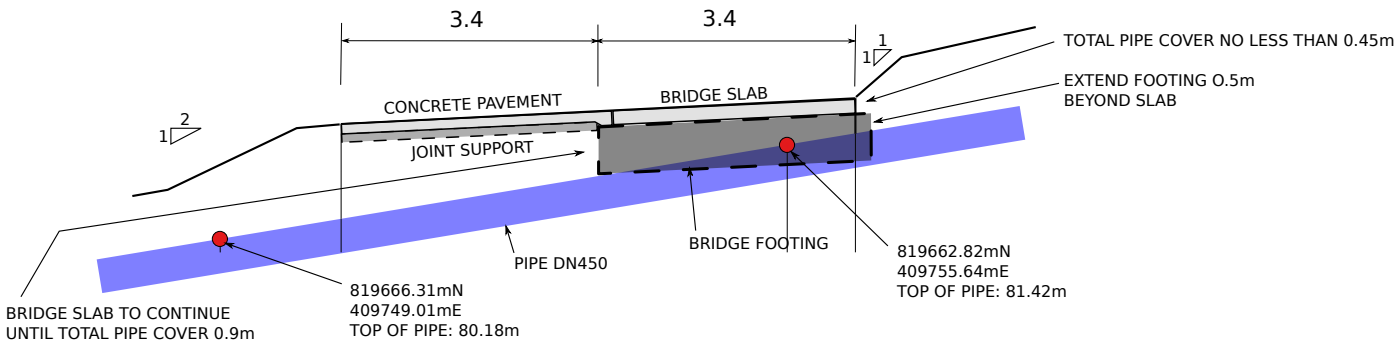
CROSS SECTION XX'

SCALE 1:100 at A3



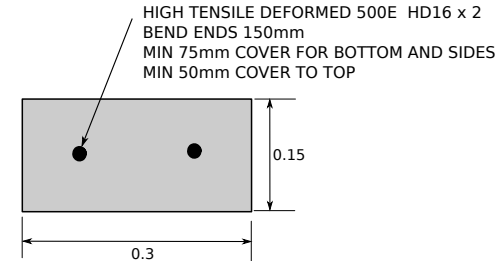
BRIDGE FOOTING

30MPa REINFORCED CONCRETE
SCALE 1:20 at A3



LONG SECTION PIPE DN450

SCALE 1:100 at A3



JOINT SUPPORT

30MPa REINFORCED CONCRETE
SCALE 1:20 at A3

COORDINATES:
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1) LEVELS ARE IN TERMS OF MEAN SEA LEVEL
WELLINGTON CITY DATUM 1953. ORIGIN OF LEVELS IS IL
71.40 EXISTING MANHOLE IN FOOTPATH AT ENTRANCE
TO 71 EXPLORATION WAY.

2) DATUM IS NZGD2000 (WLG CIRCUIT)

Progeni Ltd 68 Exploration Way, Porirua 5024, NZ Ph 022 0819600	Client	Progeni Ltd	Fieldwork:		Scale:	AS SHOWN
	Project	Exploration Heights	Design:	D Harpham	ID:	P1.ENG005 Rev:
	Title	ROAD CONSTRUCTION DETAILS PIPELINE CROSSING	Drawn:	D Harpham	Issued by:	D Harpham
			Checked:	R Twiname	2017-09-28	Date: 2017-09-28