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THIS DRAWING MAY ONLY BE USED IN THE COURSE OF AND FOR THE PURPOSE OF CREATING SYDNEY WATER ASSETS. USE THIS DRAWING WITH CARE. THE USER IS RESPONSIBLE FOR THE CORRECT APPLICATION OF THIS DRAWING.

NOTES:

1. ALL DIMENSION IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ANY OVER-EXCAVATION OR VOIDS IN THE FOUNDATION MATERIALS TO BE FILLED WITH CLASS N15 MASS CONCRETE TO AS1379.
3. ALL CONCRETE SHOWN BE MINIMUM CLASS N25 TO AS1379. SLUMP SHALL BE IN THE RANGE OF 80-120 MAXIMUM. NOMINAL AGGREGATE SIZE SHALL BE 20.
4. DESIGN IS APPLICABLE FOR SIMPLY SUPPORTED, SINGLE OR MULTI SPAN CONCRETE BRIDGES WITH MAXIMUM LENGTH OF 60m AND MAXIMUM MID-SPAN DEFLECTION OF SPAN/500. PLACEMENT OF THE WATER MAIN ON THE BRIDGE IS SUBJECT TO THE APPROVAL OF THE BRIDGE OWNER.
5. DESIGN BASED ON MAXIMUM DESIGN HEAD OF 120m AND TEST PRESSURE OF 150m OF WATER.
6. TEST PRESSURE IS NOT TO BE APPLIED UNTIL ALL CONCRETE ELEMENTS HAVE REACHED AT LEAST 25MPa STRENGTH
7. DESIGN IS NOT SUITABLE FOR APPLICATION IN AGGRESSIVE SOIL CONDITIONS.
8. ALL WELDS TO BE CONTINUOUS FILLET WELD AROUND COMPLETE PLATE CONNECTION TO AS 1554.6
9. WHERE PROPRIETARY PRODUCTS ARE SPECIFIED, THE PRODUCTS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
10. ALL REINFORCEMENT SHALL BE TO AS 4671 SHAPE - D, STRENGTH GRADE - 500MPa, DUCTILITY CLASS - N.
11. PE PIPE SHALL BE BUTT WELDED IN ACCORDANCE WITH WSA 01-2001 POLYETHYLENE PIPELINE CODE.
12. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE FOLLOWING DEEMED TO COMPLY DRAWINGS.
A) DTC/1115 - ANCHORAGE DETAILS
B) DTC/ 1111 - THRUST BLOCK
C) DTC/1145 - PN16 FLANGE CONNECTION DETAILS

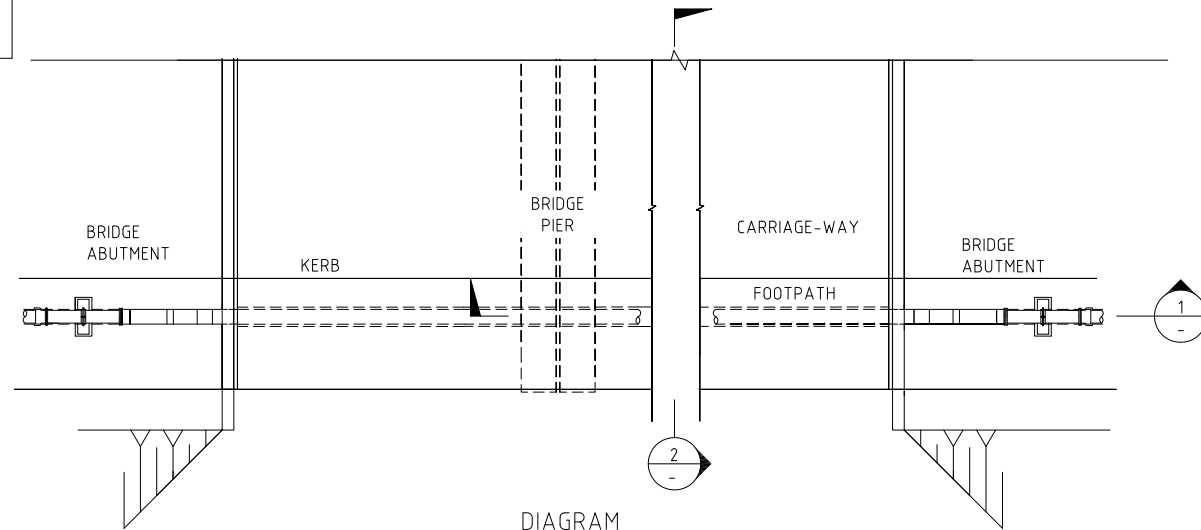
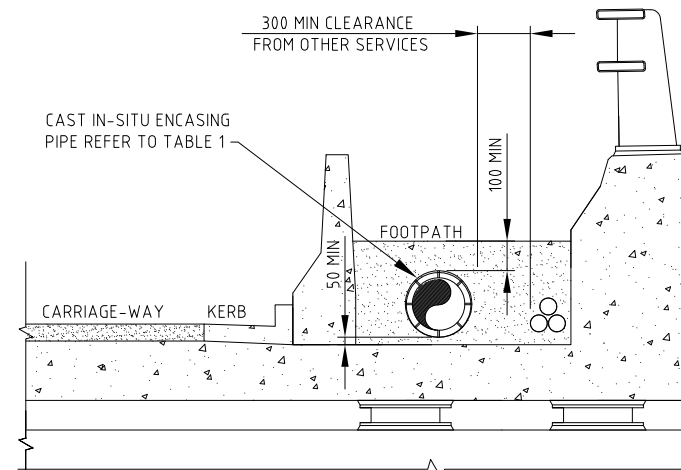
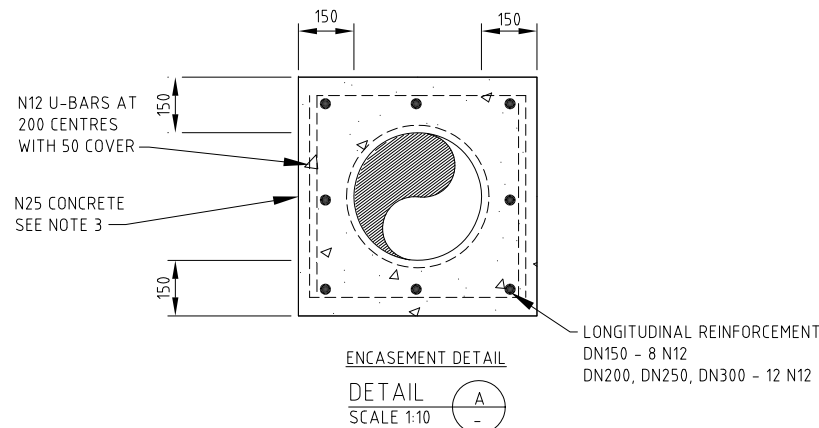


DIAGRAM
SCALE 1:100

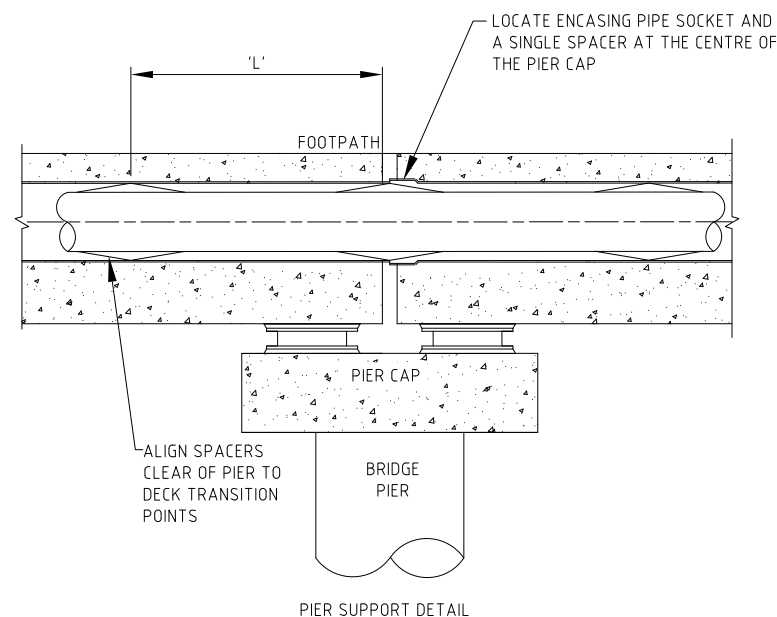


SECTION
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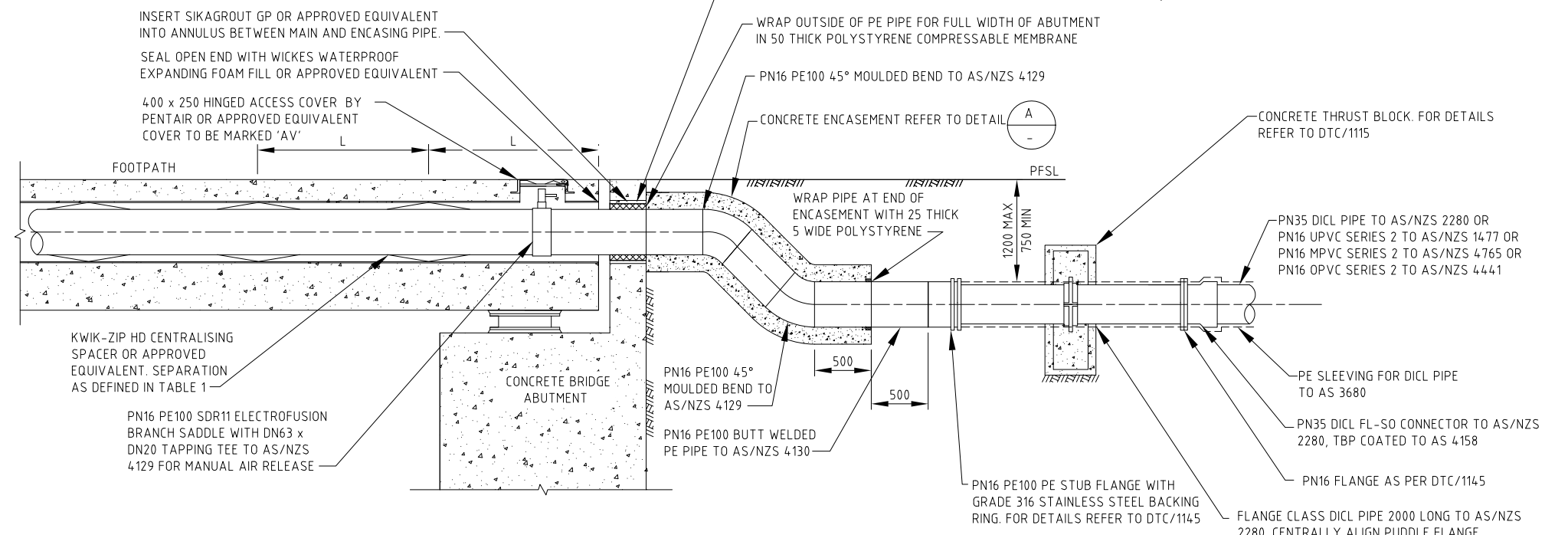


ENCASEMENT DETAIL
DETAIL
SCALE 1:10

TABLE 1 - PIPE DETAILS				
NOMINAL DIAMETER	PE SIZE (OD)	SN8 RRJ PVC ENCASING PIPE SIZE	SN8 PVC ABUTMENT PENETRATION PIPE SIZE	MAXIMUM SPACER SEPARATION (L)
DN150	180	DN250	DN300	1000
DN200	250	DN300	DN375	1100
DN250	315	DN375	DN450	1250
DN300	355	DN450	DN525	1500



PIER SUPPORT DETAIL



SECTION
SCALE 1:25

Sydney
WATER

APPROVED

PETER GILLMAN
MANAGER - E & ES

ENGINEERING & ENVIRONMENTAL SERVICES

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ORIGINAL ISSUE

LETTER

DETAILS OF ISSUE / AMENDMENT

PJG

01/03/13

APP'D

DATE

DEEMED TO COMPLY DRAWINGS

BRIDGE CROSSING
PE MAIN IN ENCASING PIPE
WATER MAINS DN150 - DN300

DTC
1116

ISSUE

DATE

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01/03/13