

S.S.M.136915  
R.L.13.58 (A.H.D.)

LOMANDRA

WAY

DEVELOPER CONTRACT PLAN  
LOW INFILTRATION SEWER  
WORK-AS-CONSTRUCTED

- WATER SERVICING CO-ORDINATOR:  
MetroWater MANAGEMENT  
P.O. BOX 233, EPPING NSW 1710  
PH. 9876-8395 FAX 9869-2341
- SURVEY, DESIGN & FINAL PLANS PREPARED BY  
CRAIG & RHODES PTY LTD  
P.O. BOX 233, EPPING NSW 1710  
PH. 9869-1855 FAX 9869-2341
- FOR WARRIEWOOD PROPERTIES PTY LTD  
ADDRESS: LEVEL 1, 4 PONDEROSA PARADE, WARRIEWOOD 2102  
PH. 9999 6494 FAX 9999 6486
- THE PROPOSED WORKS DETAILED HEREON CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN SYDNEY WATER'S EDITION OF THE SEWERAGE CODE OF AUSTRALIA WSA 02-2002. THE CONTRACTOR HAD A COPY OF THESE DOCUMENTS ON SITE AT ALL TIMES.
- PIPE CONCRETE ENCASED SHOWN THUS:-
- AREAS HATCHED THUS NOT DRAINED:-
- LOCATION OF P.C.P.'s MARKED BY COLOURED PLASTIC TAPE SECURELY TIED TO P.C.P. AND BROUGHT TO THE SURFACE AS APPROVED BY THE PROJECT MANAGER OR THEIR FIELD REPRESENTATIVE.
- THE MINIMUM NUMBER OF FIELD COMPACTION TESTS REQUIRE TO SATISFY THE SEWERAGE CODE OF AUSTRALIA, WSA 02-2002 2.2 PART 3 - CONSTRUCTION, SECTION 22.3.2 ARE:
  - TRENCHES IN ROADWAY -  
TRENCH FILL ZONE BACKFILLED USING 14:1 SAND/CEMENT MIX TO ROADBASE LEVEL, SAND/CEMENT MIX TO ROADBASE LEVEL, NO COMPACTION REQUIRED.
  - TRENCH FILL ZONE - NON-TrafficABLE: 1 PER 900mm LAYER PER 100m OF SEWERMAIN - TOTAL No. OF TESTS: 12
  - FOR M.S.s & M.H.s: 1 PER 1m DEPTH AT ONE LOCATION WITHIN 300mm OF EACH M.S. & M.H. - TOTAL No. OF TESTS: 18
- THE CONTRACTOR COMPLIED WITH ALL REQUIREMENTS OUTLINED IN THE REVIEW OF ENVIRONMENTAL FACTORS (R.E.F.) ASSOCIATED WITH THIS DESIGN.
- THE CONTRACTOR COMPLIED WITH ALL REQUIREMENTS IN THE PROJECT SAFETY PLAN (P.S.P.) ASSOCIATED WITH THIS DESIGN.
- THE CONTRACTOR COMPLIED WITH ALL REQUIREMENTS IN THE INSPECTION TEST PLAN (I.T.P.) ASSOCIATED WITH THIS DESIGN.
- THE CONTRACTOR SUBMITTED A CONSTRUCTION PROGRAM TO THE PROJECT MANAGER PRIOR TO COMMENCEMENT OF WORKS INCLUDING:
  - ENVIRONMENTAL MANAGEMENT PLAN (EMP)
  - PROJECT SAFETY PLAN
- AREAS DOWNSLOPE OF CONSTRUCTION ACTIVITY ADEQUATELY PROTECTED FROM SEDIMENT POLLUTION ETC. SILT TRAP DEVICES INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY, EFFECTIVELY MAINTAINED REMOVED ONLY AFTER THE AREA HAD BEEN SATISFACTORILY REVEGETATED.
- SILTATION CONTROLS, SITE RESTORATION AND ENVIRONMENTAL REQUIREMENTS WERE CARRIED OUT TO THE SATISFACTION OF THE WATER SERVICES CO-ORDINATOR OR THEIR FIELD REPRESENTATIVE.
- JOINT USE OF INTEGRAL ENERGY/TELSTRA TRENCHES IN THIS AREA.
- SERVICES SHOWN WERE INDICATIVE ONLY. A CURRENT SERVICES SEARCH AND SITE CHECK OF ALL EXISTING SERVICES WAS NECESSARY PRIOR TO COMMENCEMENT OF THE WORK AND APPROPRIATE PROCEDURES, PRECAUTIONS AND CARE WAS TAKEN WHEN WORKING WITHIN CLOSE PROXIMITY OF ANY SERVICES. ANY DAMAGE TO EXISTING SERVICES RECTIFIED AT THE CONTRACTOR'S EXPENSE.
- PROPERTY CONNECTION SEWERS (P.C.S.) CONSTRUCTED IN ACCORDANCE WITH CURRENT SYDNEY WATER'S TECHNICAL SPECIFICATION FOR LOW INFILTRATION SEWER SYSTEMS (SEE DIAGRAM 'A').
- ALL MAINTENANCE HOLES (M.H.) CAST IN-SITU CONCRETE TYPE AND CONSTRUCTED AS PER DEEMED-TO-COMPLY DRAWINGS DTC-2000, DTC-2203, DTC-2220 AND DTC-2223 AND IN CONJUNCTION WITH THE SEWERAGE CODE OF AUSTRALIA.
- ALL EXTERNAL DROP INLET CONSTRUCTED AS PER DEEMED-TO-COMPLY DRAWING DTC-2221 IN CONJUNCTION WITH THE SEWERAGE CODE OF AUSTRALIA.
- DENOTES STANDARD P.C.S. CONNECTION (REFER TO LIS-05)
- PROPERTY CONNECTION SEWER (P.C.S.) WITH A 'V' SYMBOL DENOTES P.C.S. WITH VERTICAL RISER IF REQUIRED (REFER LIS-6).
- DENOTES DEEP P.C.S. CONNECTION (REFER TO LIS-06)
- ALL M.S. DEFLECTION ANGLES WERE MEASURED FROM THE DOWNSTREAM IN A CLOCKWISE DIRECTION
- EXISTING M.H. COVER REPLACED WITH GATIC COVER (INFILLED).

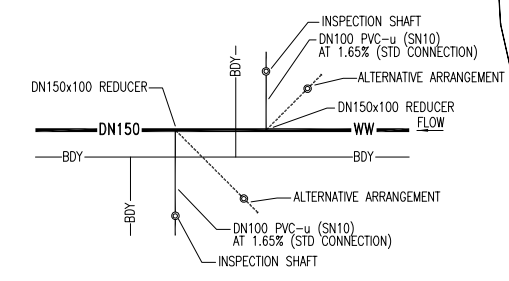
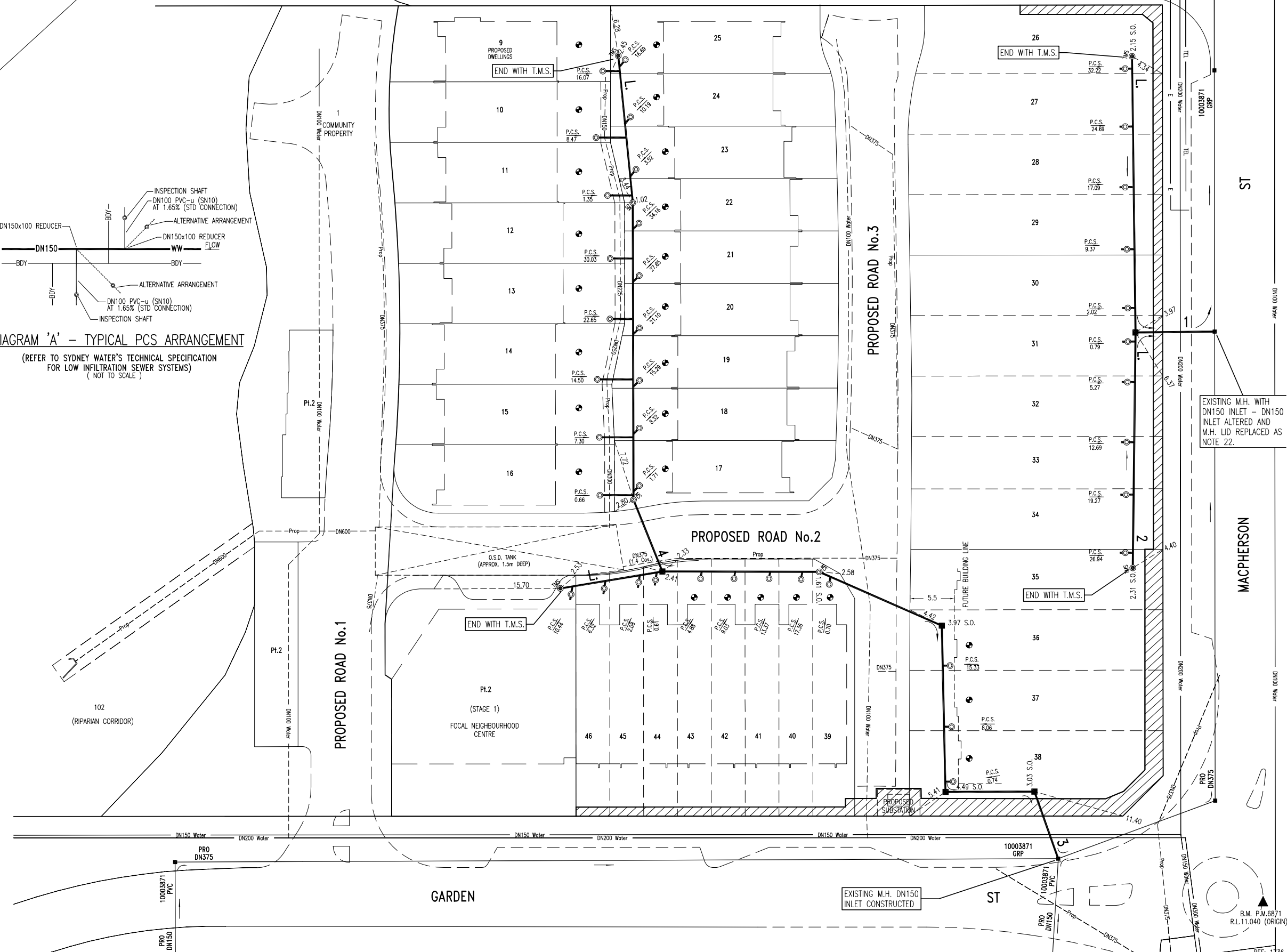


DIAGRAM 'A' - TYPICAL PCS ARRANGEMENT  
(REFER TO SYDNEY WATER'S TECHNICAL SPECIFICATION FOR LOW INFILTRATION SEWER SYSTEMS)  
(NOT TO SCALE)



03	WAC	J.B	18.05.15
02	NOTE ADDED	A.Y.	16.10.14
01	ORIGINAL ISSUE	J.B	03.06.14
No.	AMENDMENT DESCRIPTION	BY	DATE

PLAN TO BE READ IN CONJUNCTION WITH CURRENT SYDNEY WATER STANDARDS SYDNEY WATER CORPORATION	
PRIOR TO COMMENCEMENT OF EXCAVATION FOR PROPOSED AND EXISTING SERVICES CONTACT:-	Ph. 1100
ELECTRICITY	Ph. 131368
GAS	Ph. 131909
TELECOMMUNICATIONS	Ph. 9204 0889
GIVING AT LEAST 48 HOURS NOTICE.	

UTILITIES		TYPE		DATE		REF.	
WATER	DN100 Water	---	---	31.10.13	---	---	---
PROP WATER	DN100 Water	---	---	31.10.13	---	---	---
STORMWATER	SWD	---	---	31.10.13	---	---	---
PROP STORMWATER	SWD	---	---	31.10.13	---	---	---
TELSTRA	TEL	---	---	31.10.13	---	---	---
ENERGY AUST	E	---	---	31.10.13	---	---	---

WORK AS CONSTRUCTED CERTIFICATION			
DEVELOPER	WARRIEWOOD PROPERTIES PTY LTD		
WATER SERVICE CO-ORDINATOR	METROWATER MANAGEMENT		
CONSTRUCTOR	JONISHAN PTY LTD		
COMPLETED	27.02.15	W.A.C. PREPARED	18.05.15
DESIGNER	CRAIG & RHODES PTY LTD		
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS.			

PIPE SCHEDULE			
SIZE DN	TYPE	CLASS	LENGTH
150	U.P.V.C.	SN8	226.70
100	U.P.V.C.	SN10	81.34
PIPE JOINING METHOD / NOTES			
	RRJ		
	SWJ		
NO BOUNDARY TRAPS REQUIRED.			
DESIGN HEAD	m		

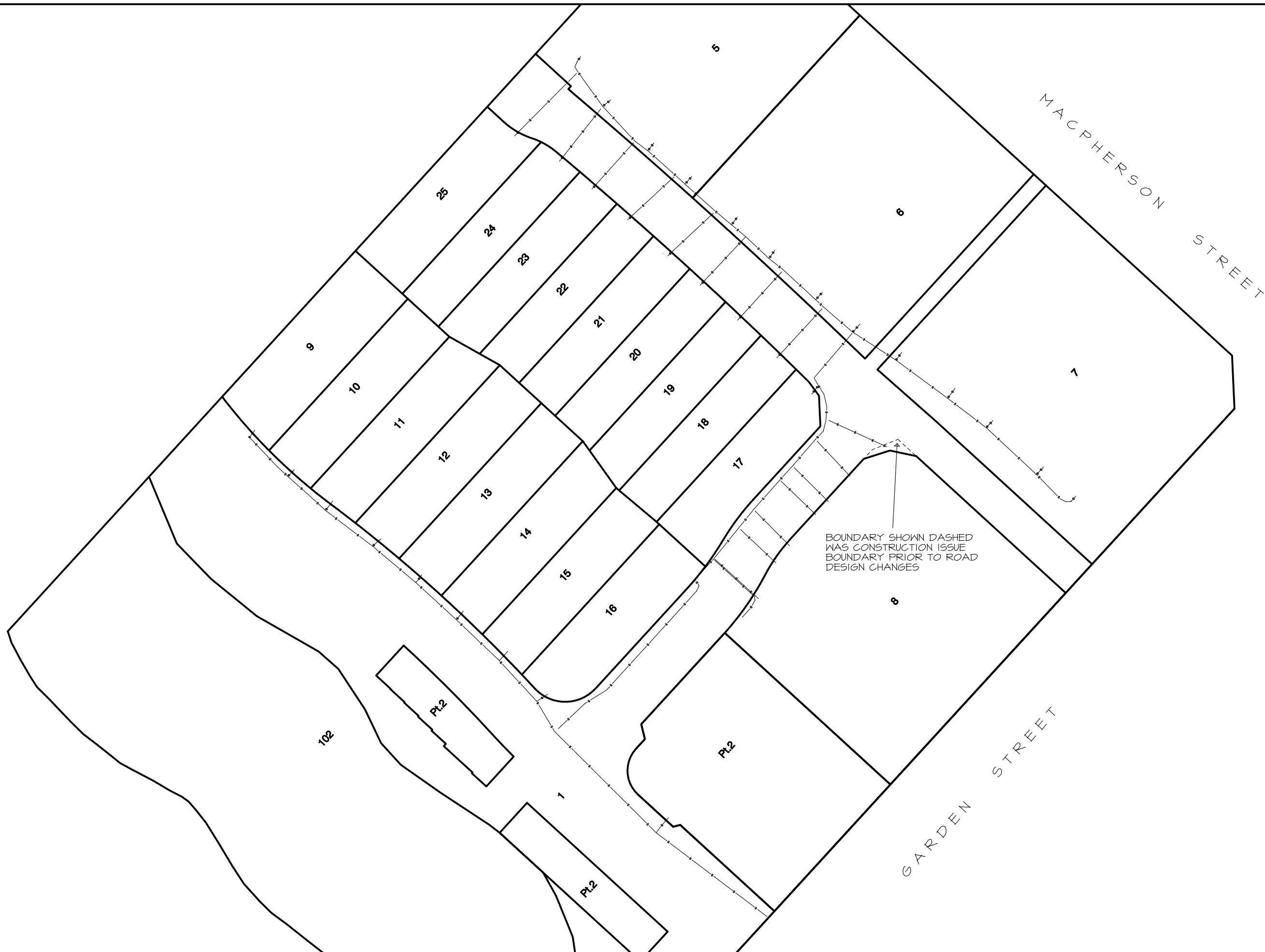
AUSTRALIAN HEIGHT DATUM	
PLAN	1:250
SECTION	HOR. 1:250 VERT. 1:125
CROSS SECTIONS: NATURAL	
LENGTHS, DEPTHS & LEVELS ARE IN METRES.	

NO AMENDMENTS ARE TO BE MADE TO THIS PLAN WITHOUT REFERENCE TO SYDNEY WATER. THIS PLAN IS NOT NECESSARILY UP TO DATE OR CORRECT AND SYDNEY WATER ACCEPTS NO RESPONSIBILITY.	
U.B. DIRECTORY	138 C-8 (45th Edition)
SHEET	1 OF 2
File No.	N/A

**Sydney WATER** SYDNEY WATER CORPORATION

Case No. 135848WWW

**PITTWATER SEWERAGE DRAINS TO WARRIEWOOD TREATMENT WORKS**



DRAWING STATUS	
REVISION_2	GAS POINTS ADDED LEAD IN'S ADDED

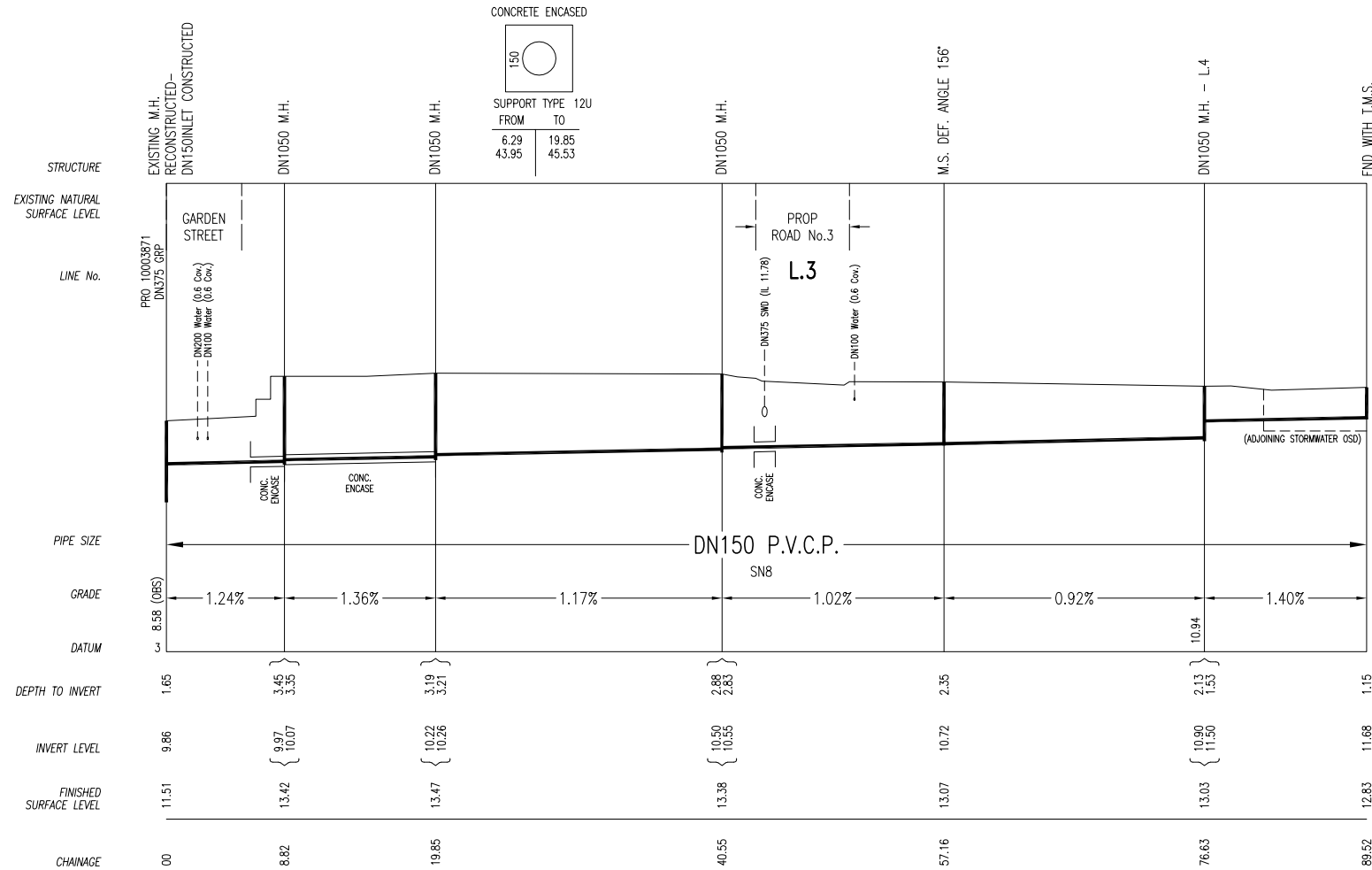
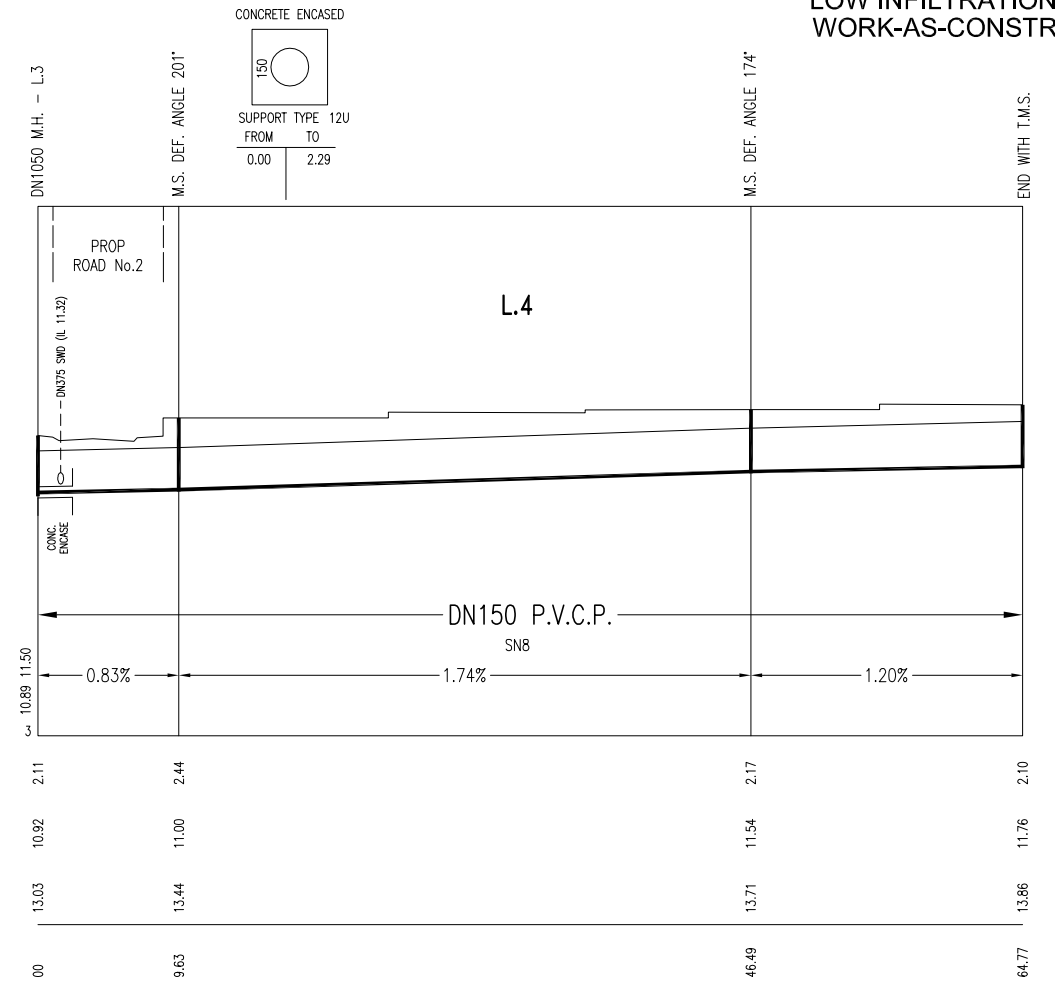
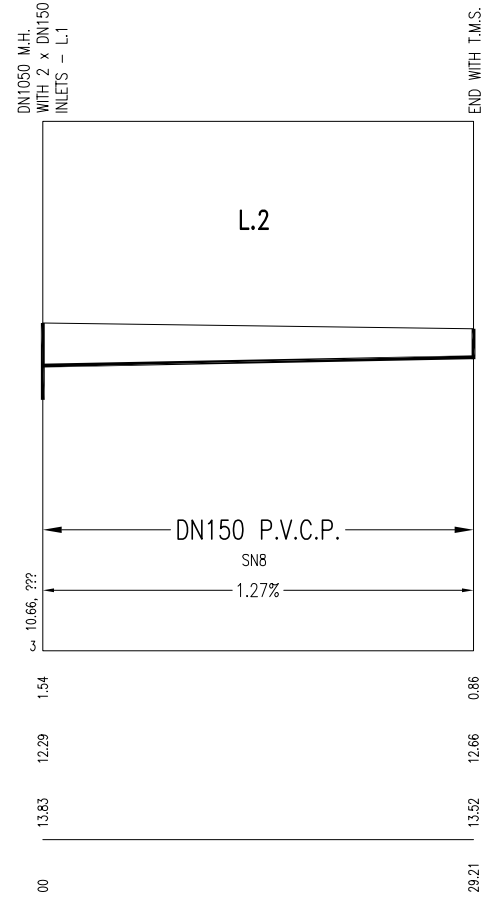
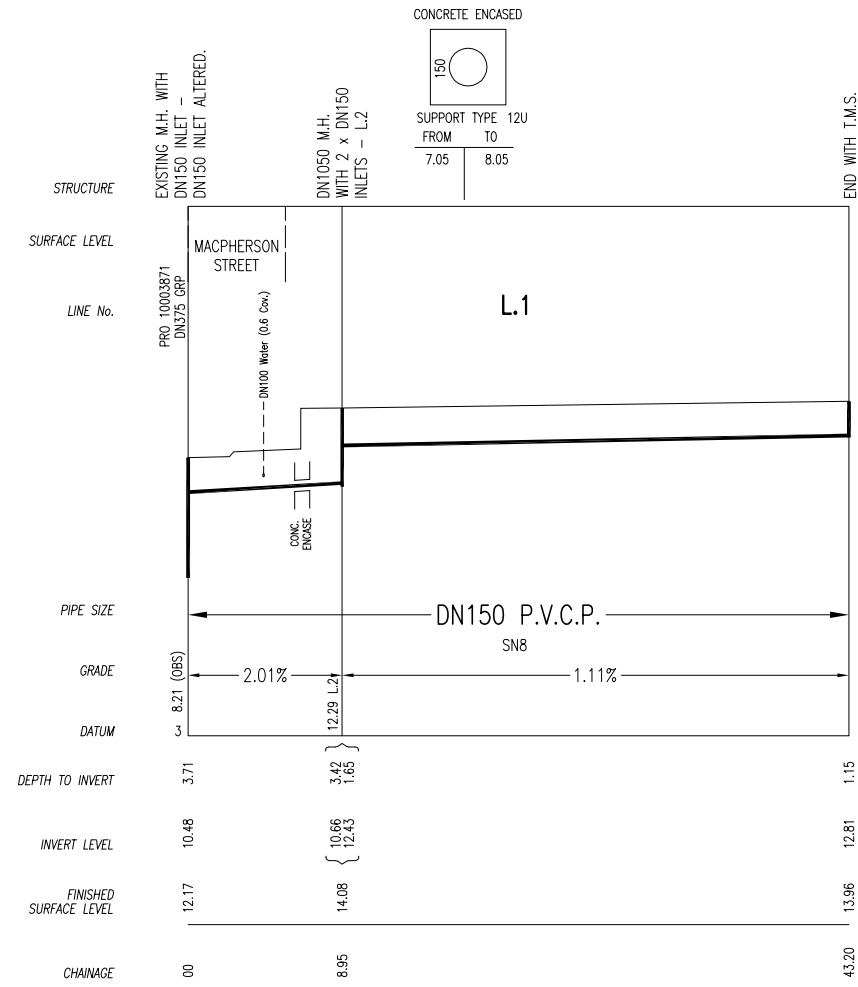
PROJECT:  
**THE GROVE'  
GARDEN STREET  
WARRIEWOOD**

CLIENT:  
**SIMMONS**  
CIVIL CONTRACTING PTY LTD  
101 CARNARVON STREET  
SILVERWATER NSW 2128  
PH (02) 9748 0555

**S.P. SITE SETOUT PTY LTD**  
CONSTRUCTION SURVEYING  
UNIT 56/91 HOYLE AVENUE  
CASTLE HILL 2154  
Mobile: 0411 315 379  
Telephone: (02) 9659 3316  
Facsimile: (02) 9659 3318  
Email: stephen@spsite.com.au

SCALE	1:250 (A1)
DATE	22/09/2014 DATUM AHD
CADD FILE REF	D30/SIMMONS/WARRIEWOOD
DWG No:	DZ405_009_R2.PRO

PLAN:  
SHOWING AS BUILT GAS  
SERVICE LOCATIONS



WORK AS CONSTRUCTED CERTIFICATION		Sydney WATER SYDNEY WATER CORPORATION	
DEVELOPER	WARREWOOD PROPERTIES PTY LTD	CONSTRUCTOR	JONISHAN PTY LTD
W.S.C.	METROWATER MANAGEMENT	COMPLETED	27.02.15
DESIGNER	GRAIG & RHODES PTY LTD	W.A.C. PREPARED	18.05.15
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS		Case No. 135848WW	SHT 2 OF 2 SHTS.
		FOR DETAILS OF SERVICES SEE SHEET 1	