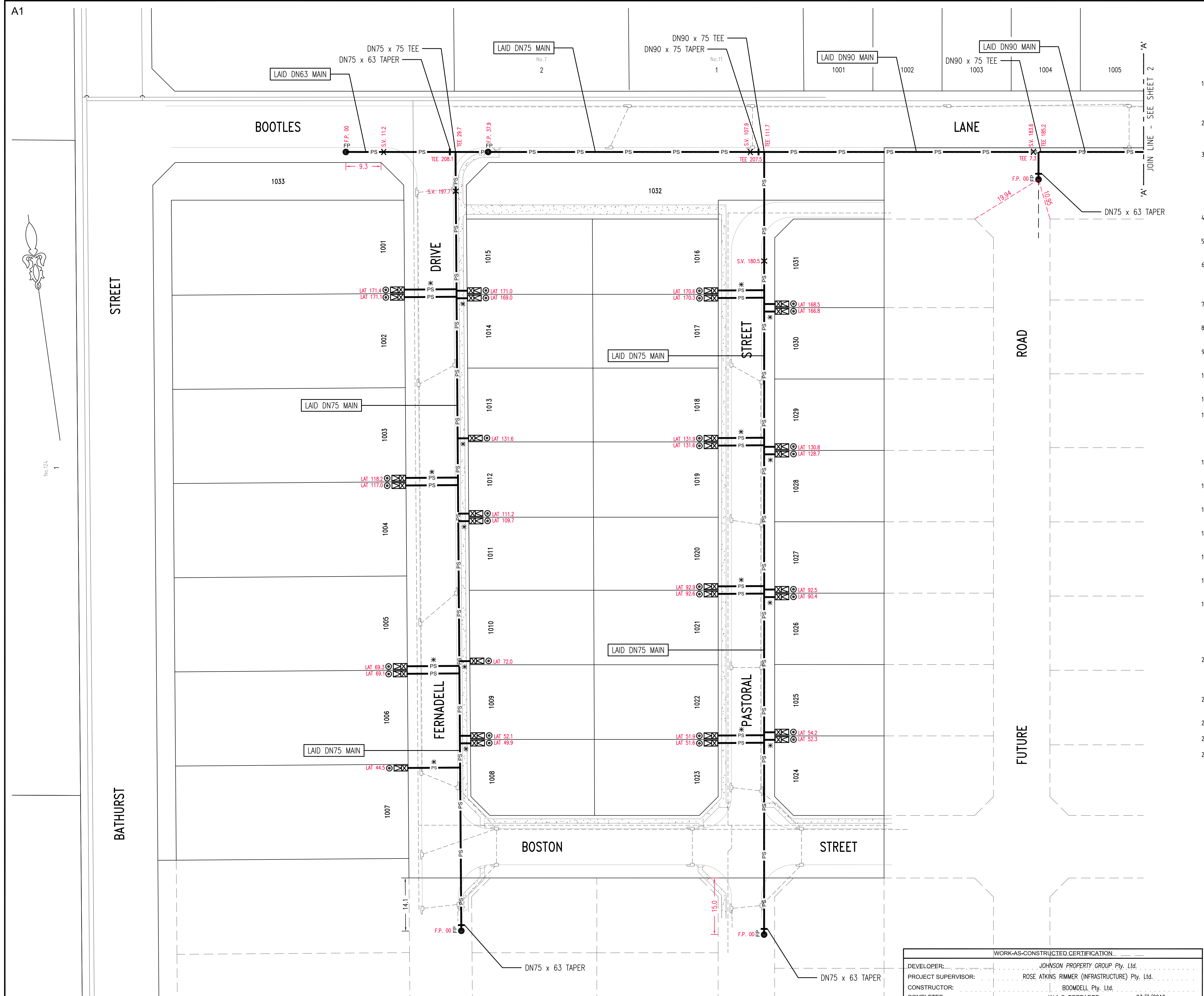


CONSTRUCTION NOTES

- ALL WORKS SHALL BE IN ACCORDANCE WITH, BUT NOT LIMITED TO, PRESSURE SEWERAGE CODE OF AUSTRALIA - WSA 07-2007, POLYETHYLENE PIPELINE CODE WSA 01-2004, PRESSURE SEWER SOLUTIONS Pty Ltd MASTERPLAN DRAWINGS & WATER FACTORY COMPANY (W.F.C.) REQUIREMENTS.
- ALL EQUIPMENT, MATERIALS & ACCESSORIES USED IN THIS CONTRACT SHALL BE NEW, SHALL CONFORM WITH THE APPROPRIATE CURRENT AUSTRALIAN STANDARDS & SHALL COMPLY WITH W.F.C. REQUIREMENTS.
- ALL SERVICES SHOWN WERE INDICATIVE ONLY. A CURRENT SERVICES SEARCH & SITE CHECK OF ALL EXISTING SERVICES WAS REQUIRED PRIOR TO COMMENCEMENT OF ANY WORKS. THE CONSTRUCTOR WAS TO DETERMINE LEVELS & LOCATIONS EXISTING SERVICES IN THE VICINITY OF THE CONSTRUCTION SITE AND ANY CONSTRUCTED STRUCTURES FOR PROPOSED SERVICES, SUCH AS DUCTING FOR WATER OR ELECTRICITY WITHIN THE SUBDIVISION. THE CONTRACTOR MUST ENSURE ALL SERVICES ARE LOCATED BY THE RELEVANT AUTHORITY PRIOR TO COMMENCEMENT OF WORKS.
- PRESSURE SEWER MAINS ARE BLACK POLYETHYLENE (PE100 PN16) WITH A CREAM STRIPE AS PER WSA 02-2007.
- ALL POLYETHYLENE MAINS WERE JOINED ELECTROFUSION TECHNIQUES IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS.
- MAIN LAID GENERALLY 2.8m P.L. EXCEPT WHERE OTHERWISE SHOWN. MINIMUM PIPE COVER SHALL BE 800mm IN FOOTPATHS & 1200mm FOR ROAD CROSSINGS. MAXIMUM PIPE COVER SHALL BE 1500mm UNLESS SPECIFIED ON THE DESIGN PLANS OR APPROVAL IS OBTAINED FROM THE W.F.C. REPRESENTATIVE.
- MAINS CROSSING UNDER DRIVEWAYS (SEALED, PAVED OR DECORATIVE) SHALL BE CONDUCTED BY UNDER BORING ONLY.
- MAINS WITHIN 2m OF ELECTRICITY OR POWER POLES SHALL BE CONDUCTED BY BORING TECHNOLOGY (UNLESS AGREED TO BY W.F.C. REPRESENTATIVE).
- ALL MAINS LAID IN (TRAFFICABLE) CARRIAGEWAYS WERE BACKFILLED WITH 20:1 STABILISED SAND CEMENT TO SUBGRADE LEVEL.
- ALL BENDS SHALL BE ELECTROFUSION SWEEP BENDS. FABRICATED BENDS SHALL NOT BE USED IN LIEU.
- NOTES DN40 (PE100 PN16) HOUSE SERVICE LATERAL.
- FLUSHING PITS SHALL CONFORM WITH THE FOLLOWING:
TYPE 1: FLUSHING PIT SHALL BE POLYPROPYLENE WITH LIGHT DUTY COVER, 50mm 316 S/S PIPE WITH BALL VALVE USED FOR DN25 & SMALLER.
TYPE 2: FLUSHING PIT SHALL BE CONCRETE WITH DN110 PE PIPE WITH DN100 ISOLATION VALVE FOR MAINS LARGER THAN DN25.
- DETECTABLE MARKING TAPE SHALL BE LAID ON TOP OF THE PIPE EMBEDMENT MATERIAL BEFORE BACKFILLING.
- DURING CONSTRUCTION, ALL OPEN ENDS OF PIPE WERE CAPPED OFF TO PREVENT ENTRY OF FOREIGN MATTER.
- ALL VALVES SHALL ARE RESILIENT SEATED SLUICE VALVES (CLOCKWISE CLOSING) & WERE RESTRAINED IN ACCORDANCE WITH WAT-1207.
- ALL MAINS MUST BE TESTED (AS DIRECTED BY THE W.F.C. REPRESENTATIVE) TO MEET CERTIFYING AUTHORITY STANDARDS.
- UPON COMPLETION OF WORKS, ALL SURFACES WERE RESTORED AS CLOSE AS POSSIBLE, TO THE CONDITION THAT EXISTED PRIOR TO COMMENCEMENT OF WORK.
- BURIED FITTINGS WERE NOT TO BE BACKFILLED UNTIL W.A.C. DETAILS HAD BEEN OBTAINED & APPROVAL FOR BACKFILLING GIVEN BY THE W.F.C. REPRESENTATIVE.
- THE MINIMUM NUMBER OF COMPACTION TESTS REQUIRED TO SATISFY THE PRESSURE SEWER CODE OF AUSTRALIA (CLAUSE 21.3.4) ARE:
TRAFFICABLE:
PIPE EMBEDMENT ZONE: NIL TRENCH FILL ZONE: NIL ** REFER NOTE 9 **
NON-TRAFFICABLE:
PIPE EMBEDMENT ZONE: 9 TESTS TRENCH FILL ZONE: 9 TESTS
- BOUNDARY KITS SHALL BE 316 STAINLESS STEEL BALL VALVE & SWING CHECK VALVE (CLASS 16). COMPLETE WITH OPEN BASE ACCESS BOX WITH LID MONO 900L TANK (PSS-ECO180) SHALL BE INSTALLED WITH BOUNDARY KIT (REFER GENERAL ARRANGEMENT). PUMP TO BE INSTALLED BY OTHERS.
- ALL MAINS DN110 & ABOVE SHALL BE SUBJECT TO AT LEAST ONE SWAB RUN TO ENSURE THAT THE MAIN IS FREE OF DELETERIOUS MATERIAL.
- ALL MAINS WERE FLUSHED WITH WATER TO REMOVE ANY DEBRIS PRIOR TO COMMISSIONING.
- SURFACE IDENTIFICATION MARKERS WERE TO BE PROVIDED TO W.F.C. REQUIREMENTS.
- ⊙ DENOTES MONO 900L COLLECTION WELL (TANK). [REFER TO LOCATION DETAILS FOR COLLECTION WELL ON SHEET 4] ELECTRICAL CONDUITS TO BE INSTALLED CONCURRENTLY WITH PE CONNECTION TO BOUNDARY KIT IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS.

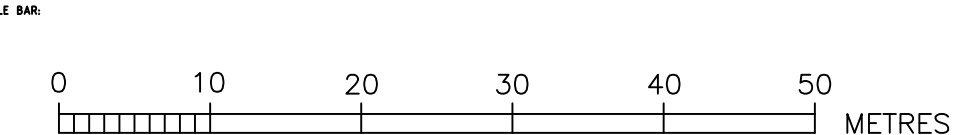
PIPE SCHEDULE

SIZE	TYPE	CLASS	LENGTH
DN150	S.C.L.	5PL	x
DN150	D.I.C.L.	PN35	x
DN125	PE100	PN16	x
DN110	PE100	PN16	x
DN90	PE100	PN16	x
DN75	PE100	PN16	x
DN63	PE100	PN16	x
DN40	PE100	PN16	x



WORK-AS-CONSTRUCTED CERTIFICATION	
DEVELOPER:	JOHNSON PROPERTY GROUP Pty. Ltd.
PROJECT SUPERVISOR:	ROSE ATKINS RIMMER (INFRASTRUCTURE) Pty. Ltd.
CONSTRUCTOR:	BOOMDELL Pty. Ltd.
COMPLETED:	W.A.C. PREPARED: 23/7/2012

SERVICE	DATE	REF.



ROSE ATKINS RIMMER (Infrastructure) Pty. Ltd.
 WATER RELATED INFRASTRUCTURE DESIGN AND MANAGEMENT
 142 SUNNYHOLT ROAD, BLACKTOWN
 P.O. BOX 6745, BLACKTOWN N.S.W. 2148
 PH: (02) 9853 0200 FAX: (02) 9671 7399



PLAN OF PROPOSED LOW PRESSURE SEWER INFRASTRUCTURE
 FERNADELL SUBDIVISION - STAGE 1
 BOOTLES LANE, PITT TOWN
 L.G.A. HAWKESBURY

WATER FACTORY REF: STAGE Pt. 12P & Pt. 13P				SHEET 1 OF 4		VERSION
DRAWN:	SCALE:	DRAWN:	U.S.D. REFERENCE:	JOB No.		10/20978-F1s
D.SHEATHER	1:500	A.H.D.	67 G12-K12			
VERIFIED:	REVIEWED:	APPROVED:	DATE:			
K.HARRISON	D.FILMER		23/7/2012			