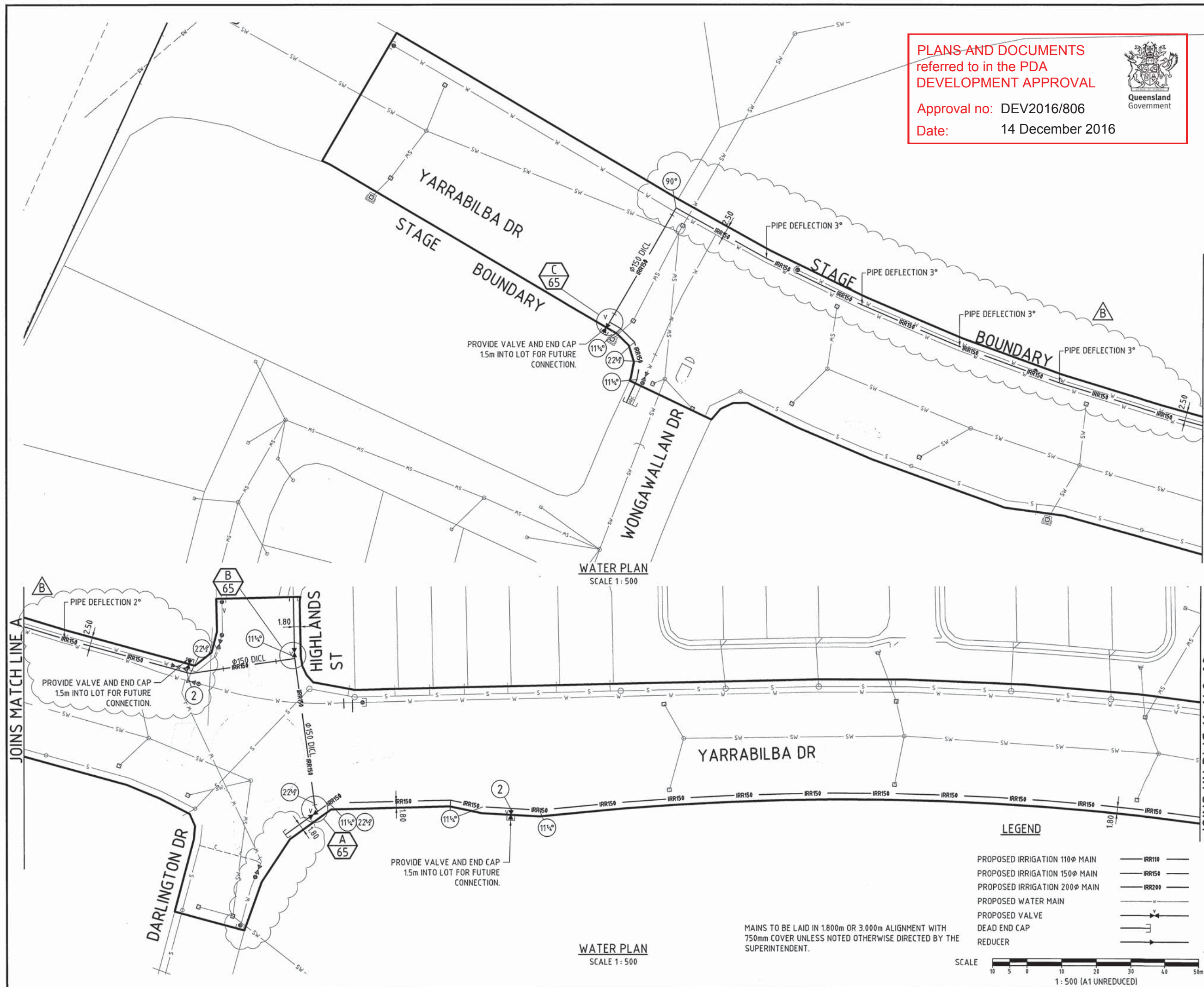




PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2016/806
Date: 14 December 2016



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NORTH

KEY PLAN

REVISIONS			
No	Description	Date	By
1	ULDA ISSUE	04/05/12	CL
2	IRRIGATION LINE SIZE AMENDED	08/03/13	LOC
3	DETAILS ADDED	18/03/13	CB
A	FOR APPROVAL	20/07/16	NJS
B	ALIGNMENT REVISED	25/10/16	DES

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Client

Lend Lease

Project

YARRABILBA
YARRABILBA DRIVE
PRECINCT 1

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ABN 35 112 053 611

Approved Director - RPS
RAL RPE 12805 25.10.16

Drawing Title
**IRRIGATION RETICULATION
LAYOUT PLAN
SHEET 1 OF 2**

Drawn	Designed	Checked	Date
MA	NG	GBG	FEB 12

Scale	Sheet
1 : 500	64 of 68

Drawing No	Revision
A1 11-149-64	B

JOINS MATCH LINE A

JOINS KN DWG 11-149-02

LEGEND

PROPOSED IRRIGATION 110φ MAIN	IRR110
PROPOSED IRRIGATION 150φ MAIN	IRR150
PROPOSED IRRIGATION 200φ MAIN	IRR200
PROPOSED WATER MAIN	W
PROPOSED VALVE	V
DEAD END CAP	DC
REDUCER	R

SCALE 1 : 500 (A1 UNREDUCED)

WATER PLAN
SCALE 1 : 500

MAINS TO BE LAID IN 1.800m OR 3.000m ALIGNMENT WITH
750mm COVER UNLESS NOTED OTHERWISE DIRECTED BY THE
SUPERINTENDENT.

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2016/806

Date: 14 December 2016



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KEY PLAN



REVISIONS

No	Description	Date	By
1	ULDA ISSUE	04/05/12	CL
2	IRRIGATION LINE SIZE AMENDED	08/03/13	LO'C
3	DETAILS ADDED, SCHEDULES AMENDED	15/03/13	MD
A	FOR APPROVAL	20/07/16	NJS

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Client

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Project

YARRABILBA
YARRABILBA DRIVE
PRECINCT 1

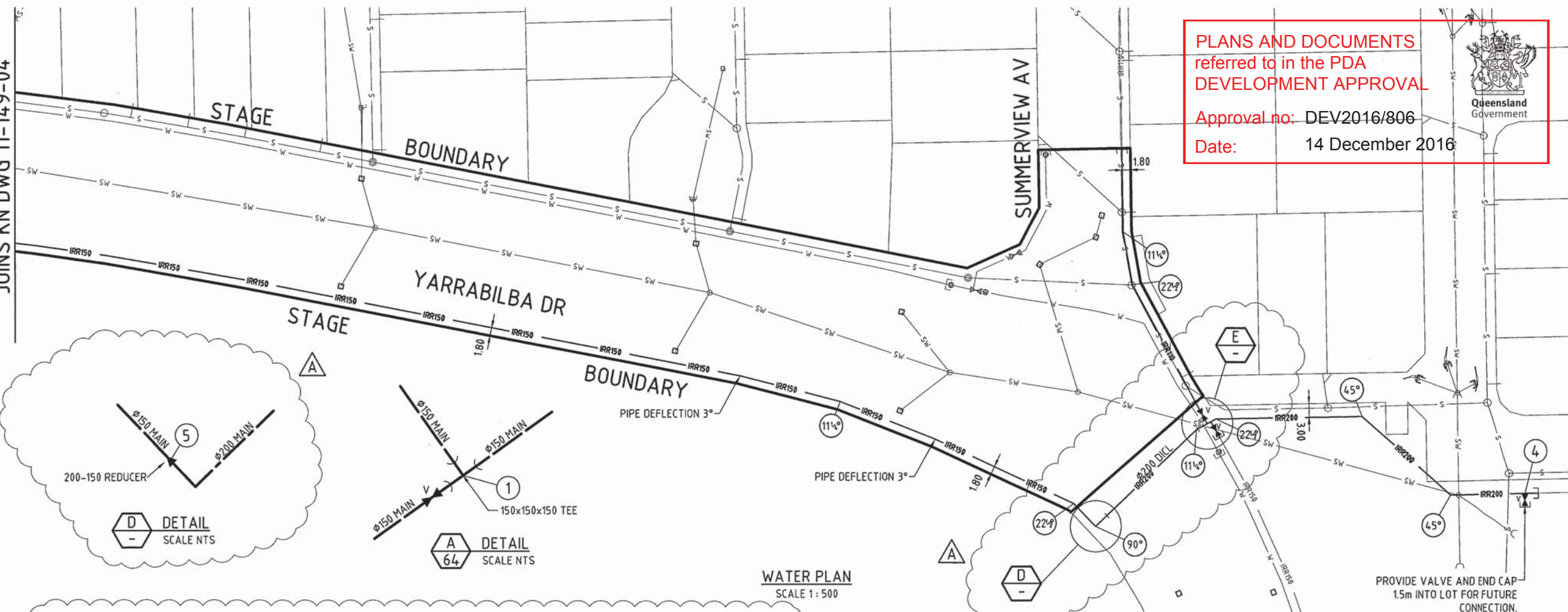
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Approved Director: RPS 1905 20-7-16
Drawing Title

IRRIGATION RETICULATION
LAYOUT PLAN
SHEET 2 OF 2

Drawn	Designed	Checked	Date
MA	NG	GBG	FEB 12
Scale	Drawing No	Sheet	Revision
1:500	11-149-65	65 of 68	A



WATER PLAN
SCALE 1:500

SCHEDULE OF PIPES & FITTINGS

PIPE SIZE	LENGTH	VALVES	DEAD END CAPS	11 1/4° BEND	22 1/2° BEND	45° BEND	90° BEND
φ110-PE80-PN16	95.6m	6	6	1	1	-	-
φ150-DICL	82.5m	-	-	-	-	-	-
φ150-PVC-PN16	791.8m	2	3	9	7	-	2
φ200-PVC-PN16	87.9m	-	1	1	1	2	1
φ200-DICL	27.5m	-	-	-	-	-	-

NOTE - ALL IRRIGATION PIPEWORK TO BE LILAC IN COLOUR

SCHEDULE OF FITTINGS

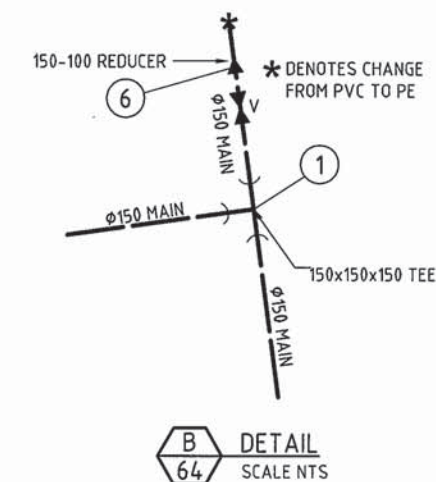
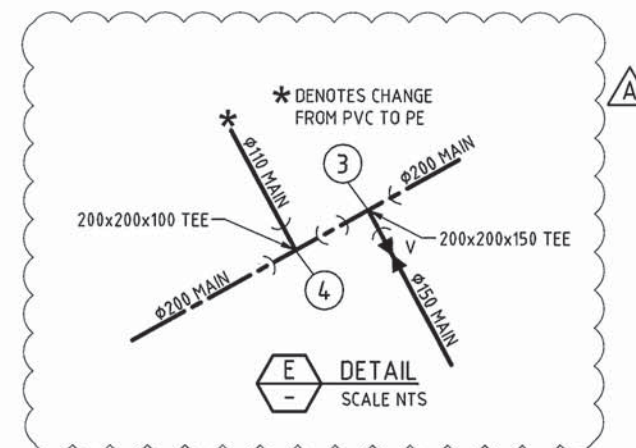
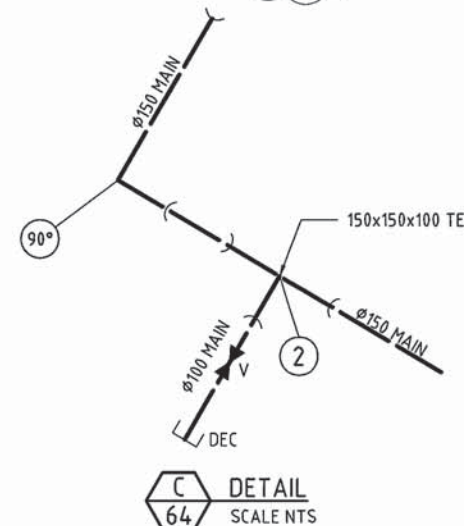
1	φ150 x φ150 x φ150 TEE	2 REQUIRED
2	φ150 x φ150 x φ100 TEE	3 REQUIRED
3	φ200 x φ200 x φ150 TEE	1 REQUIRED
4	φ200 x 200 x φ100 TEE	2 REQUIRED
5	φ200 x φ150 REDUCER	1 REQUIRED
6	φ150 x φ100 REDUCER	1 REQUIRED

GENERAL NOTES

- MARKERS ARE REQUIRED FOR ALL HYDRANTS AND VALVES IN ACCORDANCE WITH WSAA STD DWG No. WAT-1300.
- ALL PE PIPES MUST BE COMPATIBLE WITH CAST IRON FITTINGS. COVER OVER MAINS AND MINIMUM BEDDING SHALL BE IN ACCORDANCE WITH WSAA STD DWG WAT-1201. MINIMUM TRENCH WIDTH = MAIN DIAMETER + 200mm.
- FOR THRUST BLOCK TABLE & DETAILS REFER TO LOGAN CITY COUNCIL PLANNING SCHEME POLICY 5 (2006) TABLE 2.7.6 AND FIGURE 2.7.6.

PIPES, FITTINGS AND VALVES

- ALL DUCTILE IRON FITTINGS SHALL BE MANUFACTURED TO AS/NZS 2290 WITH SOCKET ENDS (UNLESS NOTED) AND DESIGNED FOR USE WITH PVC OR DI PIPES AS APPLICABLE. ALL DI PIPES SHALL BE CEMENT LINED TO AS/NZS 2280.
- DICL USED IN ROAD CROSSINGS WILL BE PN35 AS PER WATER AUTHORITY STANDARDS.
- PRESSURE PIPES USED FOR WATER SUPPLY SHALL BE RRJ PIPES AND SHALL BE EITHER PE CLASS PN16 (UNLESS NOTED OTHERWISE) MINIMUM AND MANUFACTURED TO (UPVC AS/NZS 1477), (PVC-M AS/NZS 4765) (PVC-D AS/NZS 4441) OR DICL PN 20, 35 OR FLANGED CLASS TO AS/NZS 2280).
- DUCTILE IRON SLUICE AND SCOUR VALVES SHALL BE PN16 RESILIENT SEATED WITH DOUBLE "O" RING STEM SEALS MANUFACTURED TO AS 2638.
- ALL VALVES, FITTINGS AND PIPE FITTINGS TO BE COATED INTERNALLY AND EXTERNALLY WITH FACTORY APPLIED THERMAL POLYMERIC CORROSION PROTECTION TO AS/NZS 4159.
- ALL NUTS, BOLTS AND WASHERS, SHALL BE STAINLESS STEEL GRADE 316 CLASS 50, WITH AN ANTI-SEIZE APPLIED DURING ASSEMBLY.
- ALL DUCTILE IRON FLANGES ARE TO COMPLY WITH AS/NZS 2290 AND SHALL BE RAISED FACE TO AS 4087.



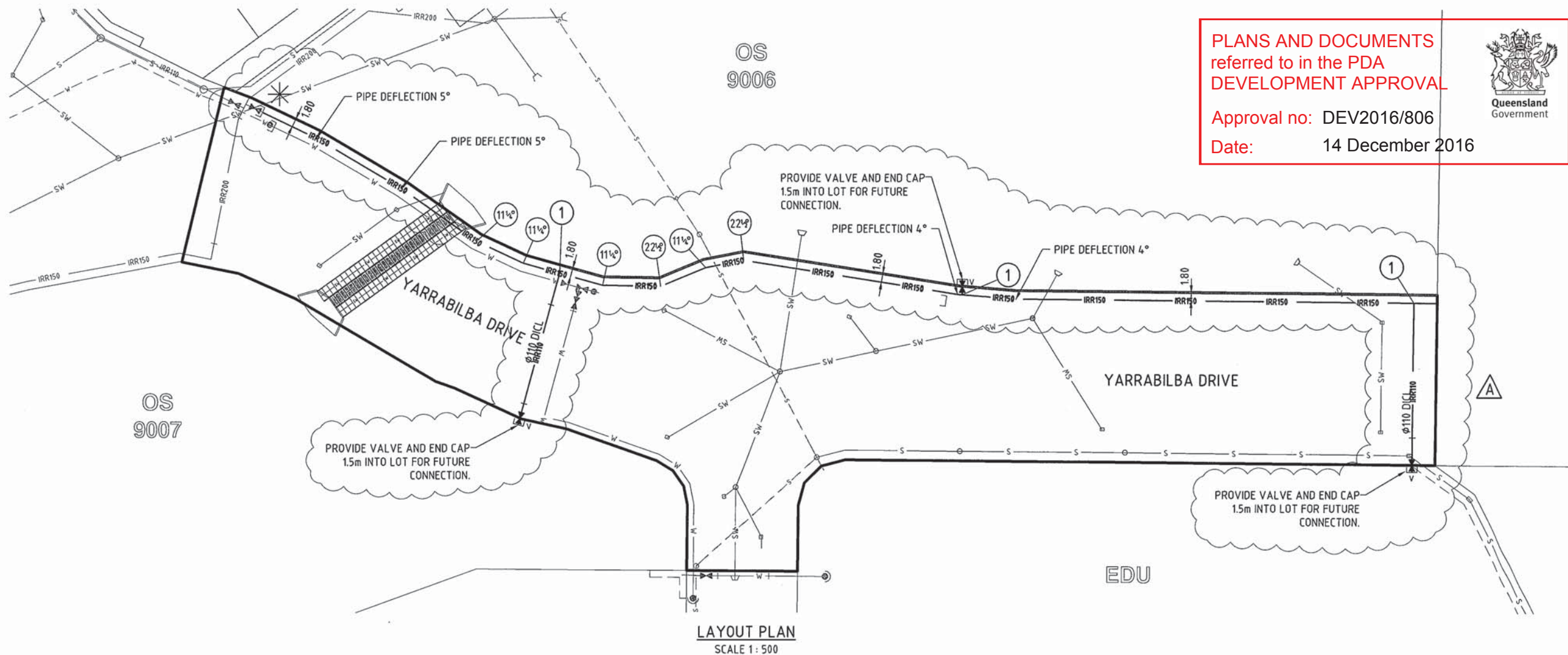
LEGEND

PROPOSED IRRIGATION 110φ MAIN (PN16)	IRR110
PROPOSED IRRIGATION 150φ MAIN (PN16)	IRR150
PROPOSED IRRIGATION 200φ MAIN (PN16)	IRR200
PROPOSED WATER MAIN	W
PROPOSED VALVE	V
DEAD END CAP	DC
REDUCER	R

MAINS TO BE LAID IN 1.800m OR 3.000m ALIGNMENT WITH 750mm COVER UNLESS NOTED OTHERWISE DIRECTED BY THE SUPERINTENDENT.

SCALE 1:500 (A1 UNREDUCED)





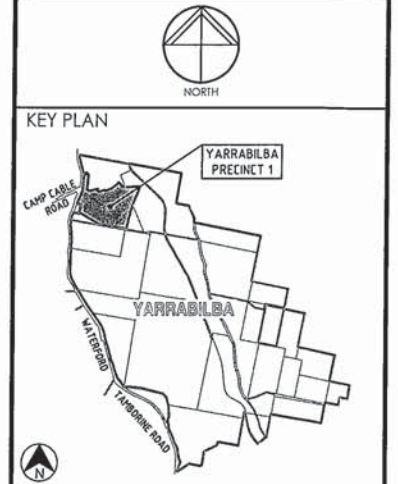
PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2016/806

Date: 14 December 2016



DO NOT SCALE THIS DRAWING
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REVISIONS			
No	Description	Date	By
1	ULDA ISSUE	26/09/12	MA
A	FOR APPROVAL	20/07/16	NJS

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Project

YARRABILBA

YARRABILBA DRIVE
EXTENSION TO P1
BOUNDARY ROAD

KN GROUP PTY LTD
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Approved Plan No. RPS/1988

Drawing Title

**IRRIGATION RETICULATION
LAYOUT PLAN**

Drawn MA	Designed JR	Checked GBG	Date SEP 12
Scale 1: 500	Drawing No 12-109-47	Sheet 47 of 47	Revision A

SCHEDULE OF PIPES & FITTINGS

PIPE SIZE	LENGTH	VALVES	DEAD END CAP	11 1/4° BEND	22 1/2° BEND	45° BEND	90° BEND
φ110-PE80-PN16	40.4m	3	-	-	-	-	-
φ110-DICL	33m	-	-	-	-	-	-
φ150-PVC-PN16	265.6m	-	-	4	2	-	-

NOTE - ALL IRRIGATION PIPEWORK TO BE LILAC IN COLOUR

SCHEDULE OF FITTINGS

①	φ150 x φ110 TEE	3 REQUIRED
---	-----------------	------------

LIVE CONNECTION TABLE

LOCATION	SIZE
YARRABILBA DRIVE	150φ

GENERAL NOTES

- MARKERS ARE REQUIRED FOR ALL HYDRANTS AND VALVES IN ACCORDANCE WITH WSAA STD DWG No. WAT-1300.
- ALL PE PIPES MUST BE COMPATIBLE WITH CAST IRON FITTINGS.
- COVER OVER MAINS AND MINIMUM BEDDING SHALL BE IN ACCORDANCE WITH WSAA STD DWG WAT-1201. MINIMUM TRENCH WIDTH = MAIN DIAMETER + 200mm.
- FOR THRUST BLOCK TABLE & DETAILS REFER TO LOGAN CITY COUNCIL PLANNING SCHEME POLICY 5 (2006) TABLE 2.7.6 AND FIGURE 2.7.6.

PIPES, FITTINGS AND VALVES

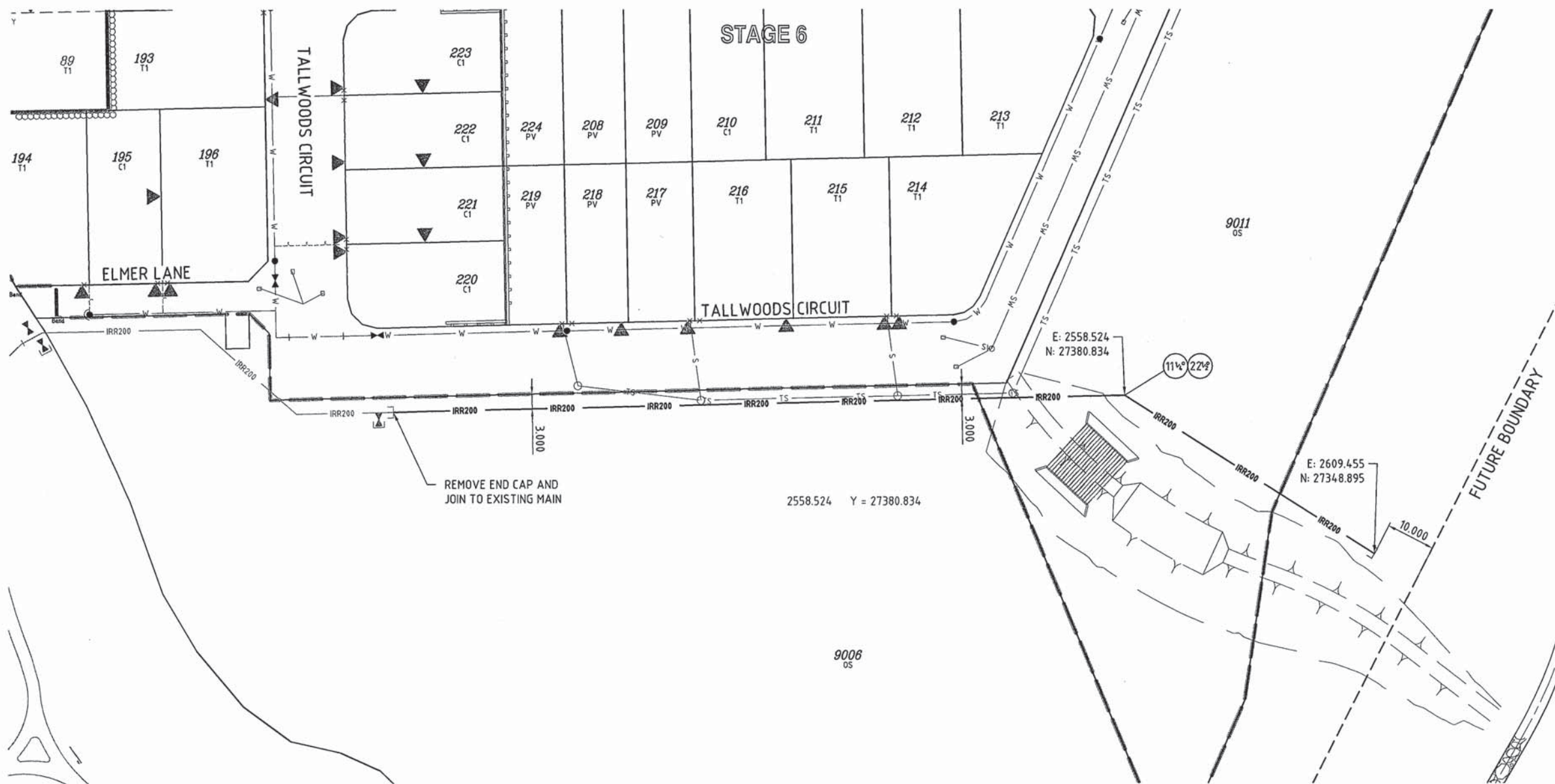
- ALL DUCTILE IRON FITTINGS SHALL BE MANUFACTURED TO AS/NZS 2290 WITH SOCKET ENDS (UNLESS NOTED) AND DESIGNED FOR USE WITH PVC OR DI PIPES AS APPLICABLE. ALL DI PIPES SHALL BE CEMENT LINED TO AS/NZS 2280.
- DICL USED IN ROAD CROSSINGS WILL BE PN35 AS PER WATER AUTHORITY STANDARDS.
- PRESSURE PIPES USED FOR WATER SUPPLY SHALL BE RRJ PIPES AND SHALL BE EITHER PE CLASS PN16 (UNLESS NOTED OTHERWISE) MINIMUM AND MANUFACTURED TO (UPVC AS/NZS 1477), (PVC-M AS/NZS 4765) (PVC-O AS/NZS 4441) OR DICL PN 20, 35 OR FLANGED CLASS TO AS/NZS 2280).
- DUCTILE IRON SLUICE AND SCOUR VALVES SHALL BE PN16 RESILIENT SEATED WITH DOUBLE "O" RING STEM SEALS MANUFACTURED TO AS 2638.
- ALL VALVES, FITTINGS AND PIPE FITTINGS TO BE COATED INTERNALLY AND EXTERNALLY WITH FACTORY APPLIED THERMAL POLYMERIC CORROSION PROTECTION TO AS/NZS 4159.
- ALL NUTS, BOLTS AND WASHERS, SHALL BE STAINLESS STEEL GRADE 316 CLASS 50, WITH AN ANTI-SEIZE APPLIED DURING ASSEMBLY.
- ALL DUCTILE IRON FLANGES ARE TO COMPLY WITH AS/NZS 2290 AND SHALL BE RAISED FACE TO AS 4087.

LEGEND

PROPOSED IRRIGATION 110φ MAIN	IRR110
PROPOSED IRRIGATION 150φ MAIN	IRR150
PROPOSED WATER MAIN	W
EXISTING WATER MAIN	W
PROPOSED CONDUIT	C
PROPOSED VALVE	V
DEAD END CAP	E
PROPOSED STORMWATER DRAIN	SW
PROPOSED SEWERAGE MAIN	S
EXISTING STORMWATER DRAIN	SW
EXISTING SEWERAGE DRAIN	S
DEFINES CONNECTION REQUIRED	*

MAINS TO BE LAID IN 1.800m ALIGNMENT WITH 750mm COVER
UNLESS NOTED OTHERWISE DIRECTED BY THE SUPERINTENDENT.





IRRIGATION PLAN
SCALE 1:500

GENERAL NOTES

1. MARKERS ARE REQUIRED FOR ALL HYDRANTS AND VALVES IN ACCORDANCE WITH WSAA STD DWG No. WAT-1300.
2. ALL PE PIPES MUST BE COMPATIBLE WITH CAST IRON FITTINGS.
3. COVER OVER MAINS AND MINIMUM BEDDING SHALL BE IN ACCORDANCE WITH WSAA STD DWG WAT-1201. MINIMUM TRENCH WIDTH = MAIN DIAMETER + 200mm.
4. FOR THRUST BLOCK TABLE & DETAILS REFER TO LOGAN CITY COUNCIL PLANNING SCHEME POLICY 5 (2006) TABLE 2.7.6 AND FIGURE 2.7.6.

PIPES, FITTINGS AND VALVES

1. ALL DUCTILE IRON FITTINGS SHALL BE MANUFACTURED TO AS/NZS 2290 WITH SOCKET ENDS (UNLESS NOTED) AND DESIGNED FOR USE WITH PVC OR DI PIPES AS APPLICABLE. ALL DI PIPES SHALL BE CEMENT LINED TO AS/NZS 2280.
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7. ALL DUCTILE IRON FLANGES ARE TO COMPLY WITH AS/NZS 2290 AND SHALL BE RAISED FACE TO AS 4087.

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2016/806
Date: 14 December 2016



SCHEDULE OF PIPES & FITTINGS

PIPE SIZE	LENGTH	VALVES	DEAD END CAPS	11 1/4° BEND	22 1/2° BEND	45° BEND	90° BEND
Ø200-PVC-PN16	210.457m	-	1	1	1	-	-

NOTE - ALL IRRIGATION PIPEWORK TO BE LILAC IN COLOUR

LEGEND

PROPOSED IRRIGATION 200Ø MAIN	IRR200
PROPOSED WATER MAIN	W
PROPOSED VALVE	V
DEAD END CAP	⌋
REDUCER	→

MAINS TO BE LAID IN 1.800m OR 3.000m ALIGNMENT WITH 750mm COVER UNLESS NOTED OTHERWISE DIRECTED BY THE SUPERINTENDENT.

SCALE 1: 500 (A1 UNREDUCED)

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LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	9/07/14	ND

Associated Consultants

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Project

YARRABILBA
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STAGE 6



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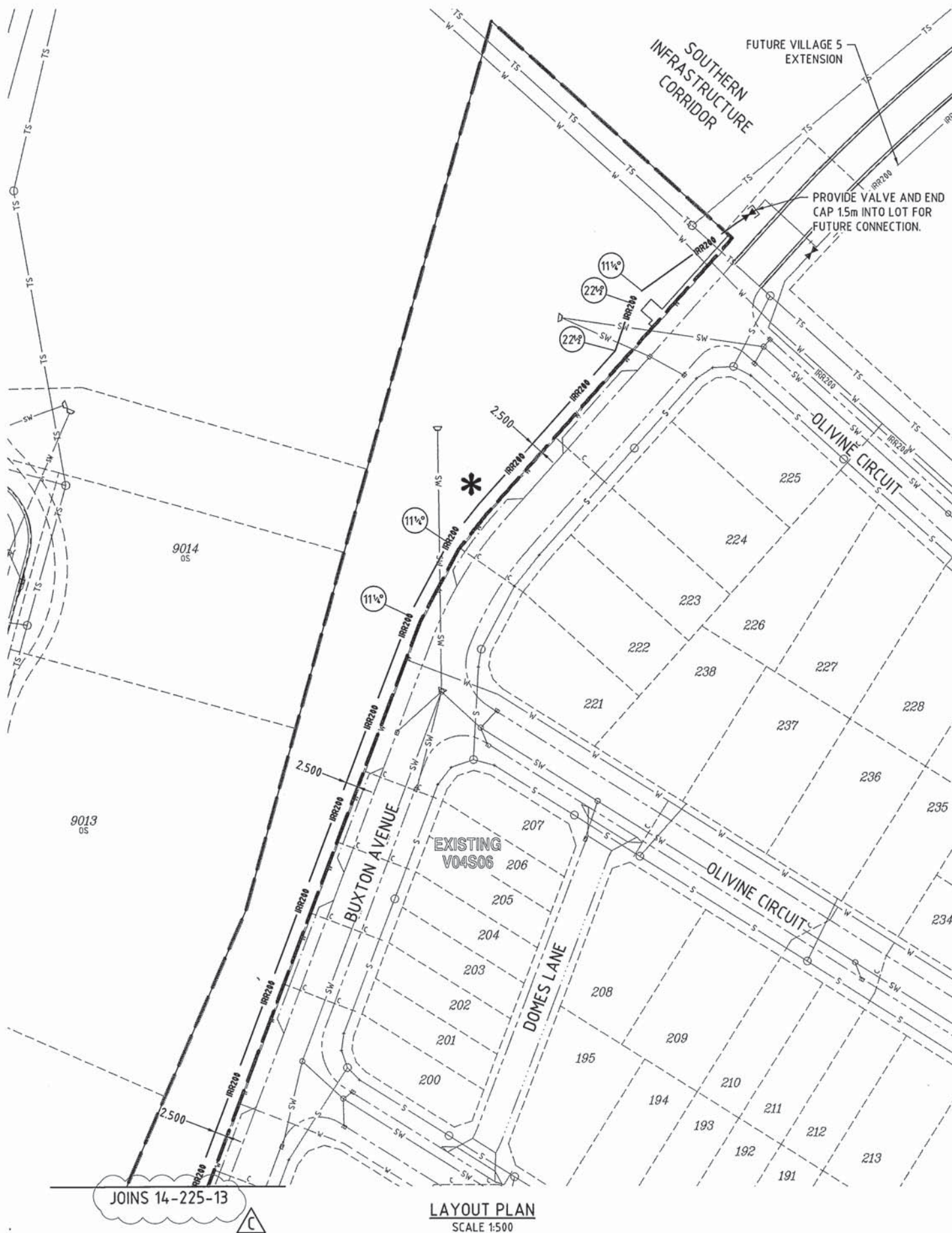
Approved - RPEQ 12805

9.7.14

Drawing Title

IRRIGATION RETICULATION
LAYOUT PLAN

Drawn	Designed	Checked	Date
ND	IOC	GBG	DEC 13
Scale	Sheet	Revision	
1:500	25 of 25		
A1	Drawing No 13-136-25	Revision A	



SCHEDULE OF PIPES AND FITTINGS

PIPE SIZE	LENGTH(m)	VALVE	FIRE HYDRANT	TEMP FIRE HYDRANT	11° BEND	22½° BEND	45° BEND	90° BEND
Ø200 PVC	478.346m	-	-	-	3	2	6	-
Ø200 DICL	-	-	-	-	-	-	-	-

NOTE - 1. "DUCTILE IRON" PIPEWORK UNDER ROAD CARRIAGEWAYS DENOTES DICL CLASS PN35
2. REFER 14-225-09 FOR ADDITIONAL SCHEDULE OF PIPES AND FITTINGS FOR BRIDGE CROSSING

LEGEND

PROPOSED IRRIGATION 110Ø MAIN (PN16)	IRR110
PROPOSED IRRIGATION 150Ø MAIN (PN16)	IRR150
PROPOSED IRRIGATION 200Ø MAIN (PN16)	IRR200
PROPOSED WATER MAIN	W
PROPOSED VALVE	V
DEAD END CAP	⌋
REDUCER	→

MAINS TO BE LAID IN 2.500m OR 8.500m ALIGNMENT WITH 750mm COVER UNLESS NOTED OTHERWISE DIRECTED BY THE SUPERINTENDENT.

GENERAL NOTES

- MARKERS ARE REQUIRED FOR ALL HYDRANTS AND VALVES IN ACCORDANCE WITH WSAA STD DWG No. WAT-1300.
- ALL PE PIPES MUST BE COMPATIBLE WITH CAST IRON FITTINGS.
- COVER OVER MAINS AND MINIMUM BEDDING SHALL BE IN ACCORDANCE WITH WSAA STD DWG WAT-1201. MINIMUM TRENCH WIDTH = MAIN DIAMETER + 200mm.
- FOR THRUST BLOCK TABLE & DETAILS REFER TO LOGAN CITY COUNCIL PLANNING SCHEME POLICY 5 (2006) TABLE 2.7.6 AND FIGURE 2.7.6.

PIPES, FITTINGS AND VALVES

- ALL DUCTILE IRON FITTINGS SHALL BE MANUFACTURED TO AS/NZS 2290 WITH SOCKET ENDS (UNLESS NOTED) AND DESIGNED FOR USE WITH PVC OR DI PIPES AS APPLICABLE. ALL DI PIPES SHALL BE CEMENT LINED TO AS/NZS 2280.
- DICL USED IN ROAD CROSSINGS WILL BE PN35 AS PER WATER AUTHORITY STANDARDS.
- PRESSURE PIPES USED FOR WATER SUPPLY SHALL BE RRJ PIPES AND SHALL BE EITHER PE CLASS PN16 (UNLESS NOTED OTHERWISE) MINIMUM AND MANUFACTURED TO (UPVC AS/NZS 1477), (PVC-M AS/NZS 4765) (PVC-0 AS/NZS 4441) OR DICL PN 20, 35 OR FLANGED CLASS TO AS/NZS 2280).
- DUCTILE IRON SLUICE AND SCOUR VALVES SHALL BE PN16 RESILIENT SEATED WITH DOUBLE "O" RING STEM SEALS MANUFACTURED TO AS 2638.
- ALL VALVES, FITTINGS AND PIPE FITTINGS TO BE COATED INTERNALLY AND EXTERNALLY WITH FACTORY APPLIED THERMAL POLYMERIC CORROSION PROTECTION TO AS/NZS 4159.
- ALL NUTS, BOLTS AND WASHERS, SHALL BE STAINLESS STEEL GRADE 316 CLASS 50, WITH AN ANTI-SEIZE APPLIED DURING ASSEMBLY.
- ALL DUCTILE IRON FLANGES ARE TO COMPLY WITH AS/NZS 2290 AND SHALL BE RAISED FACE TO AS 4087.

NOTE:

EXISTING LIVE WATER.
LOGAN WATER TO ISOLATE MAIN DURING CONSTRUCTION WHERE APPLICABLE.
CONTRACTOR TO LIAISE WITH LOGAN WATER PRIOR TO COMMENCEMENT OF WORKS.

PLANS AND DOCUMENTS referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2016/806

Date: 14 December 2016



SCALE 1:500 (A1 UNREDUCED)

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LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	11/15	MD
B	ALIGNMENT AMENDED	06/06/16	EL
C	REVISED DRAWING NUMBER	11/10/16	DES

Associated Consultants

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YARRABILBA
PRECINCT 2
VILLAGE 4
OPEN SPACE STAGE 5

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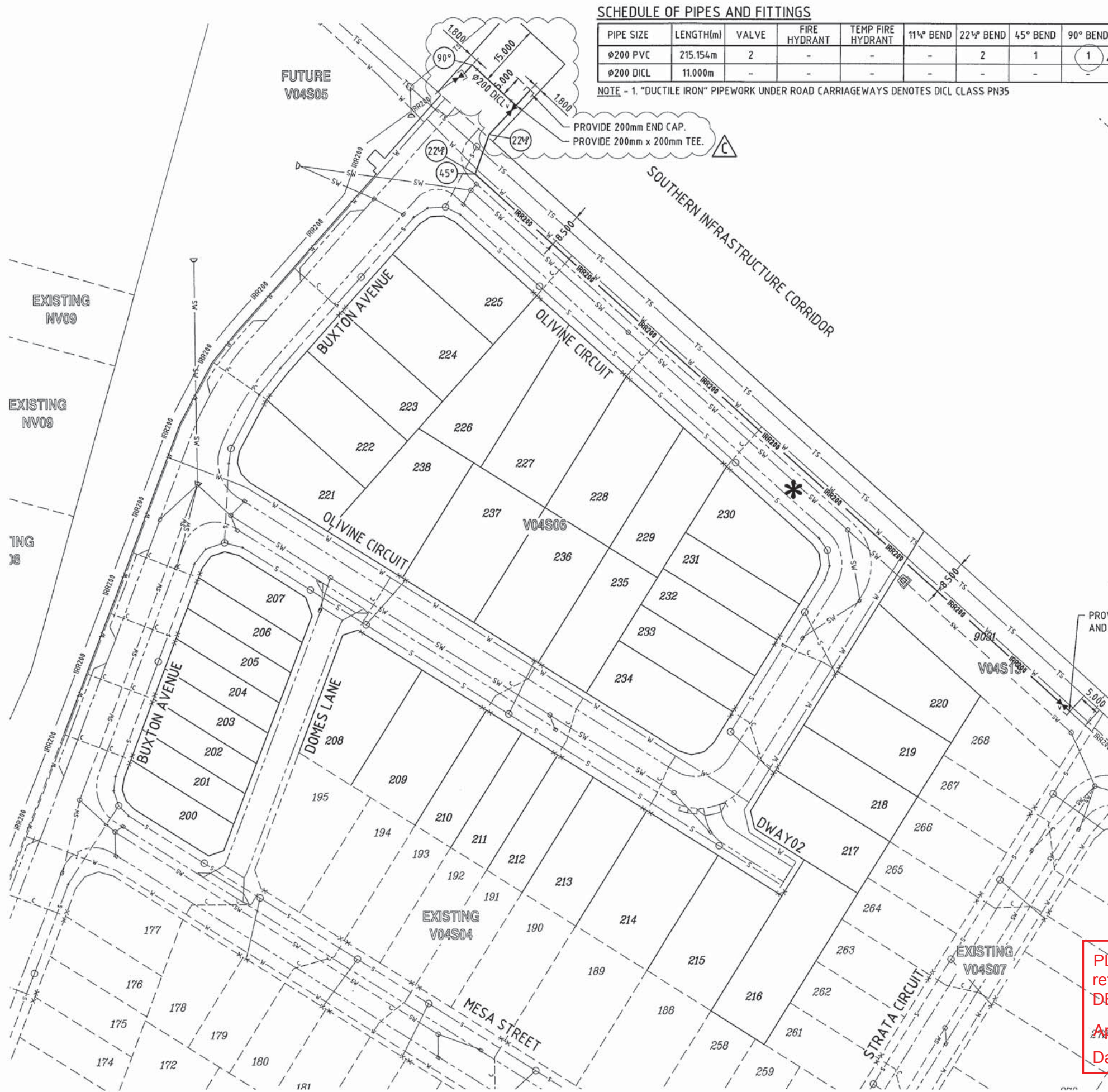
Approved - RPEQ 12805

11.10.16

Drawing Title

IRRIGATION RETICULATION
LAYOUT PLAN
SHEET 1

Drawn RCT	Designed IOC	Checked GBG	Date MAY 15
Scale AS SHOWN	Drawing No 14-225-12	Sheet 12 of 11	Revision C



SCHEDULE OF PIPES AND FITTINGS

PIPE SIZE	LENGTH(m)	VALVE	FIRE HYDRANT	TEMP FIRE HYDRANT	11° BEND	22½° BEND	45° BEND	90° BEND
Ø200 PVC	215.154m	2	-	-	-	2	1	1
Ø200 DICT	11.000m	-	-	-	-	-	-	-

NOTE - 1. "DUCTILE IRON" PIPEWORK UNDER ROAD CARRIAGEWAYS DENOTES DICT CLASS PN35

PROVIDE 200mm END CAP.
PROVIDE 200mm x 200mm TEE.

LEGEND

PROPOSED IRRIGATION 110Ø MAIN (PN16)	IRR110
PROPOSED IRRIGATION 150Ø MAIN (PN16)	IRR150
PROPOSED IRRIGATION 200Ø MAIN (PN16)	IRR200
PROPOSED WATER MAIN	W
PROPOSED VALVE	V
DEAD END CAP	⊥
REDUCER	→

MAINS TO BE LAID IN 1800mm OR 8.500m
ALIGNMENT WITH 750mm COVER UNLESS NOTED
OTHERWISE DIRECTED BY THE SUPERINTENDENT.

GENERAL NOTES

- MARKERS ARE REQUIRED FOR ALL HYDRANTS AND VALVES IN ACCORDANCE WITH WSAA STD DWG No. WAT-1300.
- ALL PE PIPES MUST BE COMPATIBLE WITH CAST IRON FITTINGS.
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- FOR THRUST BLOCK TABLE & DETAILS REFER TO LOGAN CITY COUNCIL PLANNING SCHEME POLICY 5 (2006) TABLE 2.7.6 AND FIGURE 2.7.6.

PIPES, FITTINGS AND VALVES

- ALL DUCTILE IRON FITTINGS SHALL BE MANUFACTURED TO AS/NZS 2290 WITH SOCKET ENDS (UNLESS NOTED) AND DESIGNED FOR USE WITH PVC OR DI PIPES AS APPLICABLE. ALL DI PIPES SHALL BE CEMENT LINED TO AS/NZS 2280.
- DICT USED IN ROAD CROSSINGS WILL BE PN35 AS PER WATER AUTHORITY STANDARDS.
- PRESSURE PIPES USED FOR WATER SUPPLY SHALL BE RRJ PIPES AND SHALL BE EITHER PE CLASS PN16 (UNLESS NOTED OTHERWISE) MINIMUM AND MANUFACTURED TO (UPVC AS/NZS 1477), (PVC-M AS/NZS 4765) (PVC-O AS/NZS 4441) OR DICT PN 20, 35 OR FLANGED CLASS TO AS/NZS 2280).
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NOTE:

- EXISTING LIVE WATER.
- LOGAN WATER TO ISOLATE MAIN DURING CONSTRUCTION WHERE APPLICABLE.
- CONTRACTOR TO LIAISE WITH LOGAN WATER PRIOR TO COMMENCEMENT OF WORKS.

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2016/806

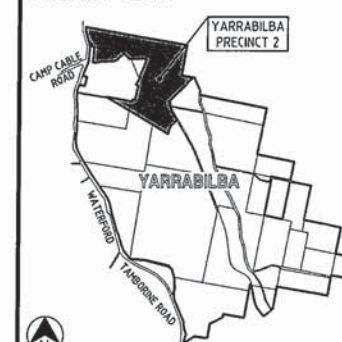
Date: 14 December 2016



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LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	11/15	RCT
B	ALIGNMENT AMENDED	06/06/16	EL
C	REVISED DESIGN	14/07/16	DES

Associated Consultants

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Client



Project



PRECINCT 2
VILLAGE 4
STAGE 6 & STAGE 13



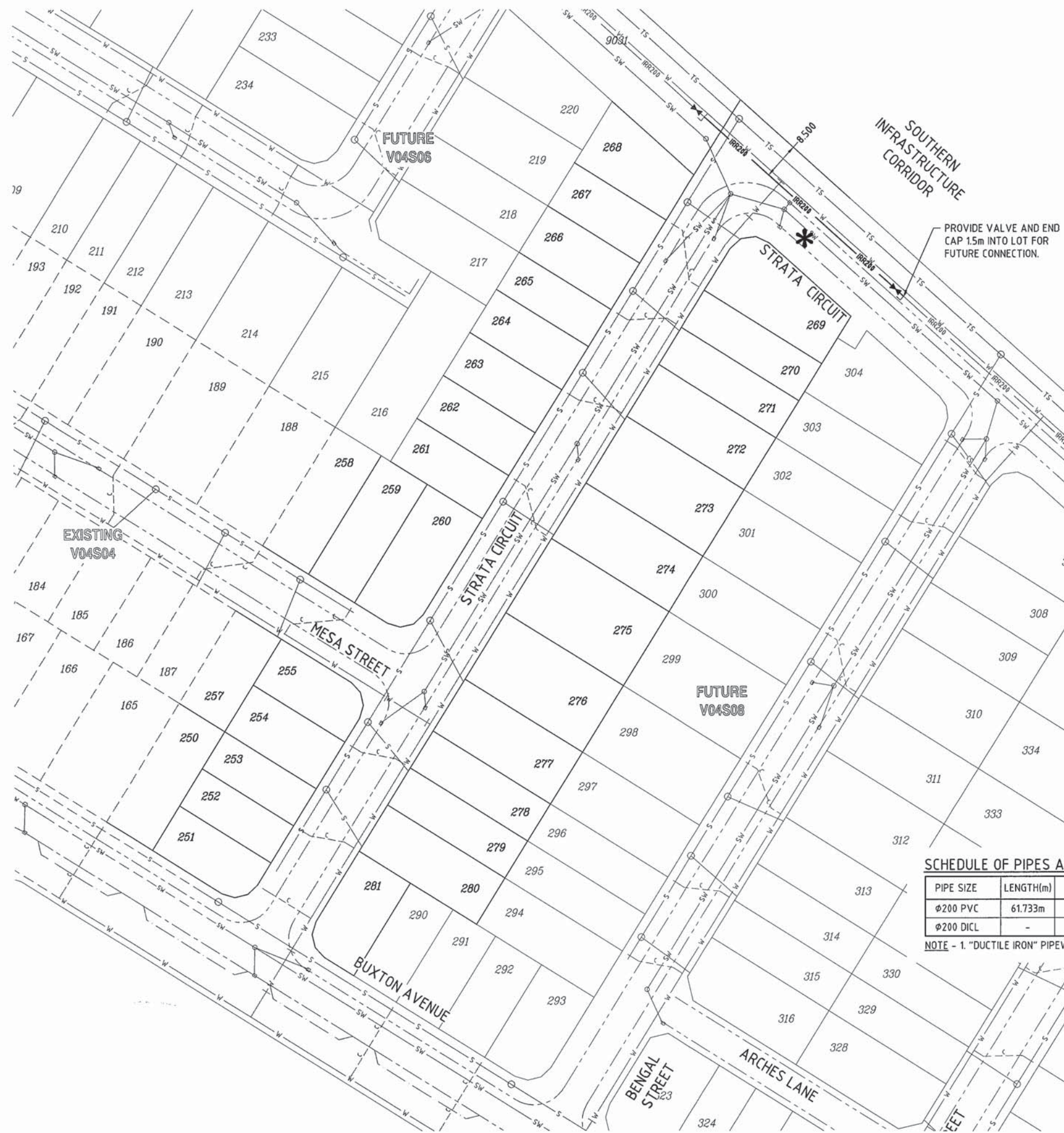
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Approved - RPEQ 12805

18.7.16

IRRIGATION RETICULATION
LAYOUT PLAN

Drawn RCT	Designed JAS	Checked GBG	Date JUNE '15
Scale AS SHOWN	Sheet 38 of 36	Revision C	



LAYOUT PLAN
SCALE 1:500

LEGEND

PROPOSED IRRIGATION 110Ø MAIN (PN16)	IRR110
PROPOSED IRRIGATION 150Ø MAIN (PN16)	IRR150
PROPOSED IRRIGATION 200Ø MAIN (PN16)	IRR200
PROPOSED WATER MAIN	W
PROPOSED VALVE	V
DEAD END CAP	DC
REDUCER	R

MAINS TO BE LAID IN 8.500m ALIGNMENT WITH 750mm COVER UNLESS NOTED OTHERWISE DIRECTED BY THE SUPERINTENDENT.

GENERAL NOTES

- MARKERS ARE REQUIRED FOR ALL HYDRANTS AND VALVES IN ACCORDANCE WITH WSAA STD DWG No. WAT-1300.
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- FOR THRUST BLOCK TABLE & DETAILS REFER TO LOGAN CITY COUNCIL PLANNING SCHEME POLICY 5 (2006) TABLE 2.7.6 AND FIGURE 2.7.6.

PIPES, FITTINGS AND VALVES

- ALL DUCTILE IRON FITTINGS SHALL BE MANUFACTURED TO AS/NZS 2290 WITH SOCKET ENDS (UNLESS NOTED) AND DESIGNED FOR USE WITH PVC OR DI PIPES AS APPLICABLE. ALL DI PIPES SHALL BE CEMENT LINED TO AS/NZS 2280.
- DICL USED IN ROAD CROSSINGS WILL BE PN35 AS PER WATER AUTHORITY STANDARDS.
- PRESSURE PIPES USED FOR WATER SUPPLY SHALL BE RRJ PIPES AND SHALL BE EITHER PE CLASS PN16 (UNLESS NOTED OTHERWISE) MINIMUM AND MANUFACTURED TO (UPVC AS/NZS 1477), (PVC-M AS/NZS 4765) (PVC-O AS/NZS 4441) OR DICL PN 20, 35 OR FLANGED CLASS TO AS/NZS 2280.
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- ALL NUTS, BOLTS AND WASHERS, SHALL BE STAINLESS STEEL GRADE 316 CLASS 50, WITH AN ANTI-SEIZE APPLIED DURING ASSEMBLY.
- ALL DUCTILE IRON FLANGES ARE TO COMPLY WITH AS/NZS 2290 AND SHALL BE RAISED FACE TO AS 4087.

NOTE:

- EXISTING LIVE WATER.
- LOGAN WATER TO ISOLATE MAIN DURING CONSTRUCTION WHERE APPLICABLE.
- CONTRACTOR TO LIAISE WITH LOGAN WATER PRIOR TO COMMENCEMENT OF WORKS.

SCHEDULE OF PIPES AND FITTINGS

PIPE SIZE	LENGTH(m)	VALVE	FIRE HYDRANT	TEMP FIRE HYDRANT	11½° BEND	22½° BEND	45° BEND	90° BEND
Ø200 PVC	61.733m	1	-	-	-	-	-	-
Ø200 DICL	-	-	-	-	-	-	-	-

NOTE - 1. "DUCTILE IRON" PIPEWORK UNDER ROAD CARRIAGEWAYS DENOTES DICL CLASS PN35

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2016/806
Date: 14 December 2016

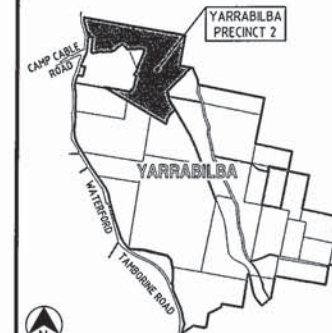


SCALE
1: 500 (A1 UNREDUCED)

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LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	11/15	RCT
B	ALIGNMENT AMENDED	06/06/16	EL

Associated Consultants

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Client

Lend Lease

Project

YARRABILBA
PRECINCT 2
VILLAGE 04
STAGE 07

KN GROUP PTY LTD
CONSULTING ENGINEERS

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Approved - RPEQ 12803

RPEQ 12803 6616

Drawing Title

IRRIGATION RETICULATION
LAYOUT PLAN

Drawn	Designed	Checked	Date
RCT	JAS	G8G	JUNE '15
Scale	Drawing No	Revision	
AS SHOWN	14-227-49	B	49 of 47



LEGEND

PROPOSED IRRIGATION 110Ø MAIN (PN16)	— RR110 —
PROPOSED IRRIGATION 150Ø MAIN (PN16)	— RR150 —
PROPOSED IRRIGATION 200Ø MAIN (PN16)	— RR200 —
PROPOSED WATER MAIN	— W —
PROPOSED VALVE	— V —
DEAD END CAP	— C —
REDUCER	— R —

MAINS TO BE LAID IN 8.500m ALIGNMENT WITH 750mm COVER UNLESS NOTED OTHERWISE DIRECTED BY THE SUPERINTENDENT.

GENERAL NOTES

- MARKERS ARE REQUIRED FOR ALL HYDRANTS AND VALVES IN ACCORDANCE WITH WSAA STD DWG No. WAT-1300.
- ALL PE PIPES MUST BE COMPATIBLE WITH CAST IRON FITTINGS. COVER OVER MAINS AND MINIMUM BEDDING SHALL BE IN ACCORDANCE WITH WSAA STD DWG WAT-1201. MINIMUM TRENCH WIDTH = MAIN DIAMETER + 200mm.
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PIPES, FITTINGS AND VALVES

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NOTE:

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- LOGAN WATER TO ISOLATE MAIN DURING CONSTRUCTION WHERE APPLICABLE.
- CONTRACTOR TO LIASE WITH LOGAN WATER PRIOR TO COMMENCEMENT OF WORKS.

SCHEDULE OF PIPES AND FITTINGS

PIPE SIZE	LENGTH(m)	VALVE	FIRE HYDRANT	TEMP FIRE HYDRANT	11½° BEND	22½° BEND	45° BEND	90° BEND
Ø200 PVC	81.210m	1	-	-	-	-	-	-
Ø200 DICL	-	-	-	-	-	-	-	-

NOTE - 1. "DUCTILE IRON" PIPEWORK UNDER ROAD CARRIAGEWAYS DENOTES DICL CLASS PN35

LAYOUT PLAN
SCALE 1:500

SCALE
1 : 500 (A1 UNREDUCED)

SCALE
1 : 2500 (A1 UNREDUCED)

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2016/806

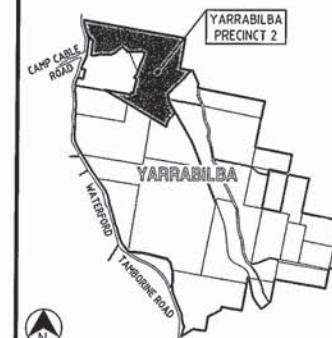
Date: 14 December 2016



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LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	11/15	RCT
B	AUGMENT AMENDED	06/06/16	EL

Associated Consultants

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Project

YARRABILBA
PRECINCT 2
VILLAGE 4
STAGE 8



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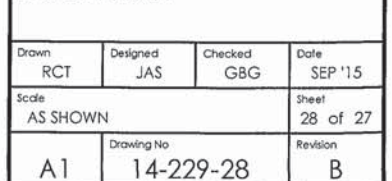
Approved - RPED 12985

6.6.16

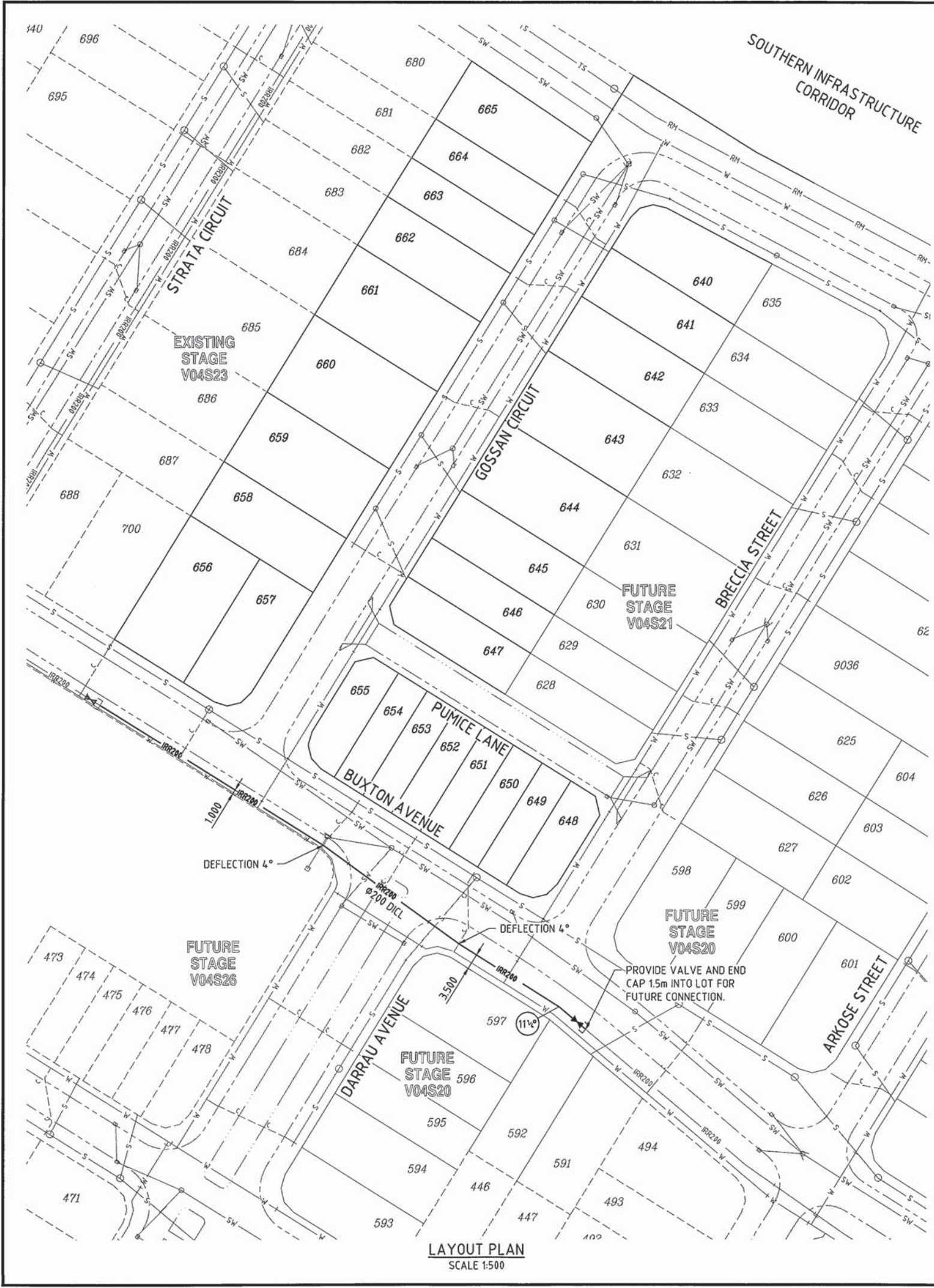
Drawing Title

IRRIGATION RETICULATION
LAYOUT PLAN

Drawn	Designed	Checked	Date
RCT	JAS	GBG	JUNE '15
Scale	Sheet	Revision	
AS SHOWN	27 of 26		
A1	Drawing No 14-228-27	Revision B	



SCALE  1 : 500 (A1 UNREDUCED)



LEGEND

- PROPOSED IRRIGATION 110Ø MAIN (PN16) — IRR110 —
- PROPOSED IRRIGATION 150Ø MAIN (PN16) — IRR150 —
- PROPOSED IRRIGATION 200Ø MAIN (PN16) — IRR200 —
- PROPOSED WATER MAIN — W —
- PROPOSED VALVE — V —
- DEAD END CAP — [Symbol] —
- REDUCER — [Symbol] —

MAINS TO BE LAID IN 1.000m OR 3.500m
ALIGNMENT WITH 750mm COVER UNLESS NOTED
OTHERWISE DIRECTED BY THE SUPERINTENDENT.

GENERAL NOTES

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- ALL DUCTILE IRON FLANGES ARE TO COMPLY WITH AS/NZS 2290 AND SHALL BE RAISED FACE TO AS 4087.

SCHEDULE OF PIPES AND FITTINGS

PIPE SIZE	LENGTH(m)	VALVE	FIRE HYDRANT	TEMP FIRE HYDRANT	11½° BEND	22½° BEND	45° BEND	90° BEND
Ø200 PVC	107.440m	1	-	-	1	-	-	-
Ø200 DICL	22.000m	-	-	-	-	-	-	-

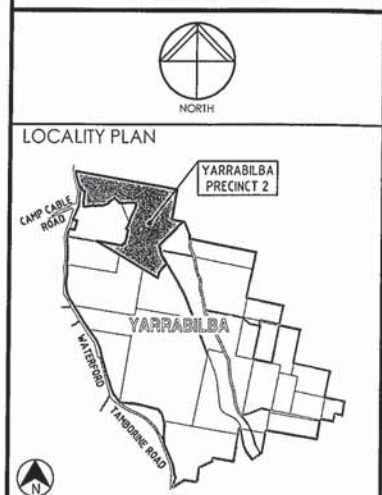
NOTE - 1. "DUCTILE IRON" PIPEWORK UNDER ROAD CARRIAGEWAYS DENOTES DICL CLASS PN35

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2016/806
Date: 14 December 2016



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REVISIONS

No	Description	Date	By
A	FOR APPROVAL	JUNE '16	RCT

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Project

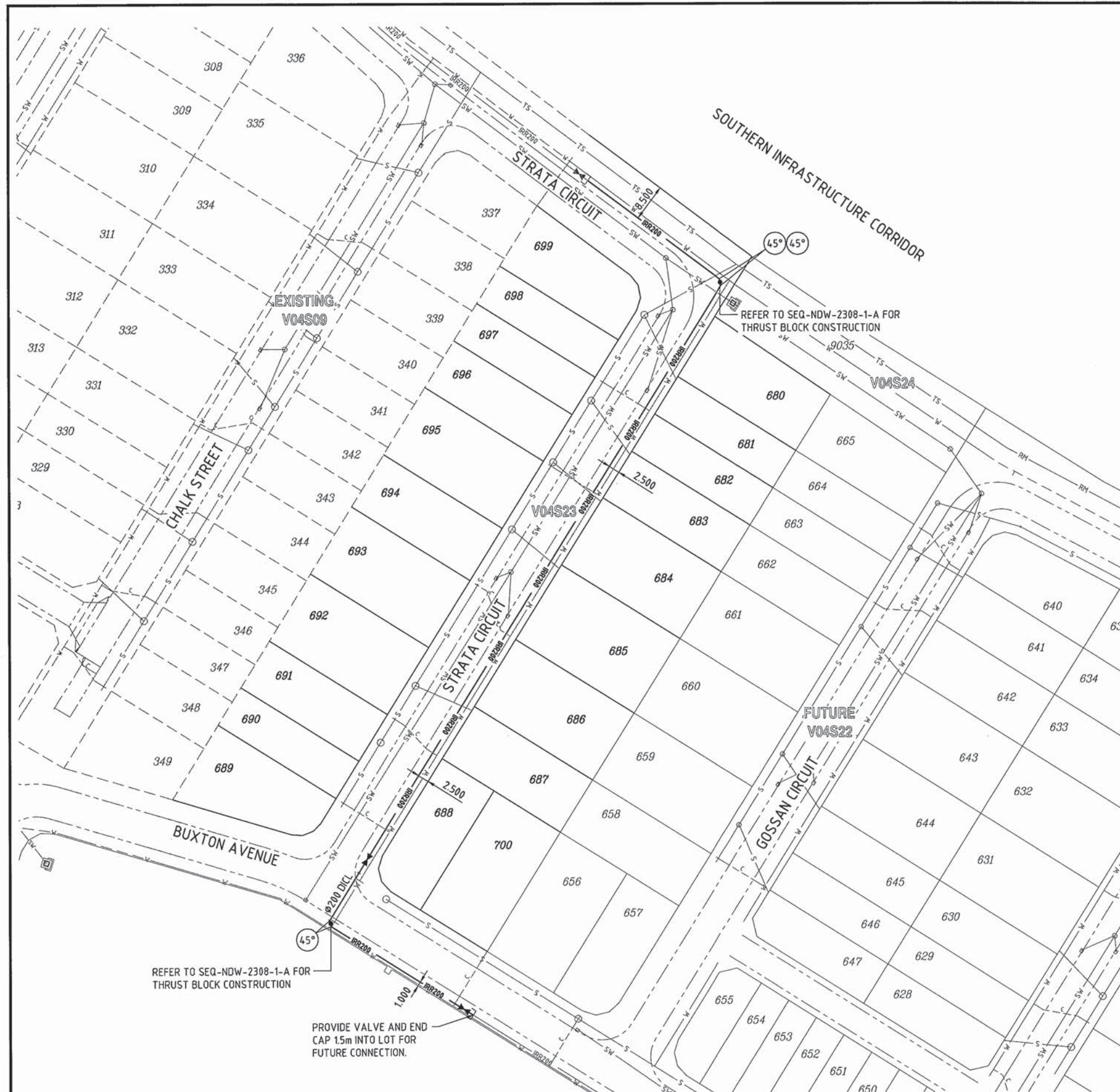
YARRABILBA

PRECINCT 2
VILLAGE 4
STAGE 22

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Approved - RPEQ 12805 <i>RCT</i> 23.6.16			
Drawing Title IRRIGATION RETICULATION LAYOUT PLAN			
Drawn RCT	Designed IOC	Checked GBG	Date DEC 15
Scale AS SHOWN	Sheet 35 of 34		Revision A



LAYOUT PLAN
SCALE 1:500

SCHEDULE OF PIPES AND FITTINGS

PIPE SIZE	LENGTH(m)	VALVE	FIRE HYDRANT	TEMP FIRE HYDRANT	11° BEND	22½° BEND	45° BEND	90° BEND
Ø200 PVC	238.433m	2	-	-	-	-	-	-
Ø200 DICI	11.000m	-	-	-	-	-	-	-

NOTE - 1. "DUCTILE IRON" PIPEWORK UNDER ROAD CARRIAGEWAYS DENOTES DICI CLASS PN35

LEGEND

PROPOSED IRRIGATION 110Ø MAIN (PN16)	IRR110
PROPOSED IRRIGATION 150Ø MAIN (PN16)	IRR150
PROPOSED IRRIGATION 200Ø MAIN (PN16)	IRR200
PROPOSED WATER MAIN	W
PROPOSED VALVE	V
DEAD END CAP	⊥
REDUCER	→

MAINS TO BE LAID IN 1.000m OR 2.500m OR 8.500m ALIGNMENT WITH 750mm COVER UNLESS NOTED OTHERWISE DIRECTED BY THE SUPERINTENDENT.

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PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2016/806

Date: 14 December 2016



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LOCALITY PLAN



REVISIONS

No	Description	Date	By
A	FOR APPROVAL	JUNE'16	RCT

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Project
YARRABILBA
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STAGE 23 & STAGE 24

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Approved - RPEQ 12805
R. [Signature] 23.6.16

Drawing Title
**IRRIGATION RETICULATION
LAYOUT PLAN**

Drawn RCT	Designed JAS	Checked GBG	Date SEPT '15
Scale AS SHOWN	Drawing No 15-143-31	Sheet 31 of 30	Revision A

SCALE
1: 500 (A1 UNREDUCED)