

XREF's: XR-V171855-2-CL-LOCALITY

CAD FILE: M:\2017\1501\_2000\V171855\_Parklane\_Gardens\Civil\Drafting\V171855-2-CL-3000-3001.dwg

DATE PLOTTED: 1 February 2019 8:40 AM BY : NATHAN WHITE

DESIGN HEAD: 95.9 m (DW)  
114.9 m (NDW)  
ZONE: RESIDENTIAL  
TEST PRESSURE: 1200 kPa  
1400 kPa

LOCALITY PLAN  
SCALE: 1:20,000  
MELWAYS: 233 J12

WARNING  
BEWARE OF UNDERGROUND SERVICES  
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

WARNING  
BEWARE OF ASBESTOS  
SOME UNDERGROUND SERVICES MAYBE CONSTRUCTED FROM ASBESTOS CONTAINING MATERIAL. CONTACT THE SUPERINTENDENT FOR INSTRUCTIONS ON HOW TO MANAGE ANY POTENTIAL ASBESTOS HAZARD

FOR THE DURATION OF PROCLAIMED WATER RESTRICTIONS, THE CONTRACTOR SHALL CONFORM WITH THE RESTRICTIONS AND ANY OTHER WATER CONSERVATION REQUIREMENTS IMPOSED BY THE WATER AGENCY.

General Notes:

1. Only contractors accredited by City West Water to WC1 shall be eligible to construct these works.

2. Only products approved and catalogued by the Water Agency shall be used.

3. Works must be constructed according to WSA 03- 2011 MRWA edition.  
The Contractor shall ensure that they are conversant with all current revisions, amendments and updates that the relevant Water Agency has made to their standards.

4. DW and NDW assets shall only be constructed after deeper assets affecting the water mains have been constructed (eg: sewerage & drainage assets).

5. This design is to be read in conjunction with road and drainage plans.

6. The Contractor shall obtain a road opening permit for any works within the road reserve and comply with all requirements of the road owner.

Survey, Set Out and Asset Recording:

7. Temporary Bench Marks (TBM) for the set out of works to the Australian Height Datum (AHD) are provided in the design drawings.

8. All levels are in metres to AHD.

9. All co-ordinates are in metres to the Map Grid of Australia (MGA 55- 94).

10. The Contractor is directly responsible for ensuring the project set out is consistent with the design. Should actual site conditions conflict in any way with that documented, the Contractor shall contact the Superintendent for clarification before proceeding.

11. The Contractor is to engage a suitably qualified and experienced Surveyor to undertake asset recording of the work. All surveyor works and data recording shall be undertaken in accordance with the MRWA survey manual.

12. All specific pipe materials (eg: PVC-O) shall be indicated in the As Constructed information

Products and Materials (Refer Table 1 & 2):

13. DW and NDW system components shall be differentiated as per section 4.2 of WSA03-2011, MRWA edition.

Appurtenances (Fittings- Refer Table 3):

14. All valves and hydrants shall be marked according to drawings MRWA-W-300 and MRWA-W-301.

15. Valve surrounds, covers and spindles shall be constructed in accordance with drawing MRWA-W-302.

16. Hydrant surface arrangements shall be constructed in accordance with drawings MRWA-W-303.

17. Flange and flange bolts shall be constructed in accordance with drawings MRWA-W-306A and MRWA-W-306B.

18. For the hydrant and washout schedule, refer to Table 3.

19. All valves shall be located directly out from the apex of the splay corner (unless otherwise indicated).

Water Main Alignment, Trenching & Cover (Refer Table 5):

19. Offsets of mains from property boundaries shall be; min 600mm (mains < DN100) and min 1m (mains ≥DN100).

20. All water mains shall pass over drains and sewers unless shown otherwise in the design drawings.

Embedment:

22. Embedment shall be placed as per drawings MRWA-W-201 and MRWA-W-202. Embedment material shall be sand and comply with WSA PS 360.

Backfill:

23. Watermains under roads, footpaths and vehicle crossings, extending 1.0m each side of paving, shall be backfilled with 20mm class 3 crushed rock in 150mm layers to 95% modified dry density.

24. Non trafficable backfill shall be completed as per

MRWA-W-201 and 04-03.2 of the MRWA Backfill Specification.

Thrust Restraint (Refer Table 6):

25. Thrust restraints have been designed on the basis of the AHBP (ground strength) nominated in TABLE 6. The Contractor shall confirm the actual ground conditions and discuss with the Superintendent any ground conditions which are found to be different to that nominated.

Property Services:

26. NDW property services shall always be located on the left of the DW property service as you look from the road to the front of the property.

Connections (All types):

27. All property service connections to new residential RRJ reticulation mains are to be completed using pretapped connectors.

Other Services (Ref: Table 5 & 7):

28. To receive the most up to date information prior to construction, "Dial before you Dig" shall be undertaken to aid in the location of other services.  
Other services shall be carefully located prior to full excavation at the contractor's cost.  
Any clashes of proposed new works with other assets shall be reported to the Superintendent immediately for clarification.

29. Clearances to other services shall be as per Table 7 and Table 5.5 of WSA03- 2011 MRWA edition. These clearances shall apply to surface covers as well as underground assets.

Earthworks and Retaining Walls:

30. In areas subject to earthworks, construction of water assets shall not commence until earthworks and retaining walls has been completed unless written approval has been given by the Water Authority.

Testing, Asset Acceptance and Live Connections:

31. Post construction activities (of both DW & NDW) such as swabbing, water quality testing, pressure testing and chlorination shall be carried out in accordance with WSA03-2011 MRWA edition and the MRWA Water Quality Compliance Specification.  
All test results shall be documented and reported to the Superintendent.

32. The Water Agency shall be notified in writing 2 full working days in advance of testing being undertaken.

33. Both ends of DW and NDW main to meter property services shall be inspected by the Water Agency.  
The Water Agency shall be notified in writing 2 full working days in advance of this inspection being carried out.  
Both ends of DW-NDW main to meter property services are to remain exposed until inspected by the Water Agency compliance officer.

34. The Contractor's ITP shall include provision for each NDW connection to be signed off as correctly installed.

35. The Water Agency shall be notified in writing 5 full working days in advance of connection to the live network being undertaken.  
Shut down work shall be as short as practical and scheduled to commence at 9am on working days with completion to occur no later than 4pm.  
In industrial and commercial areas, the impact on business shall be considered and it may be necessary to carry out the work outside normal working hours.

36. Valves connecting new assets to the Water Agency's live system shall not be operated by the Contractor.

STATUS

FOR CONSTRUCTION

DESIGNED  
B.ZHENG  
DATE: 05.10.2018

CARDNO REFERENCE  
V171855-2-CL-3000

DRAWN  
C.LEE  
DATE: 08.10.2018

MELWAY REFERENCE  
233 J12

CHECKED  
A. KANE  
DATE: 01.02.2019

AUTHORISED  
N. GLASSON  
DATE: 01.02.2019

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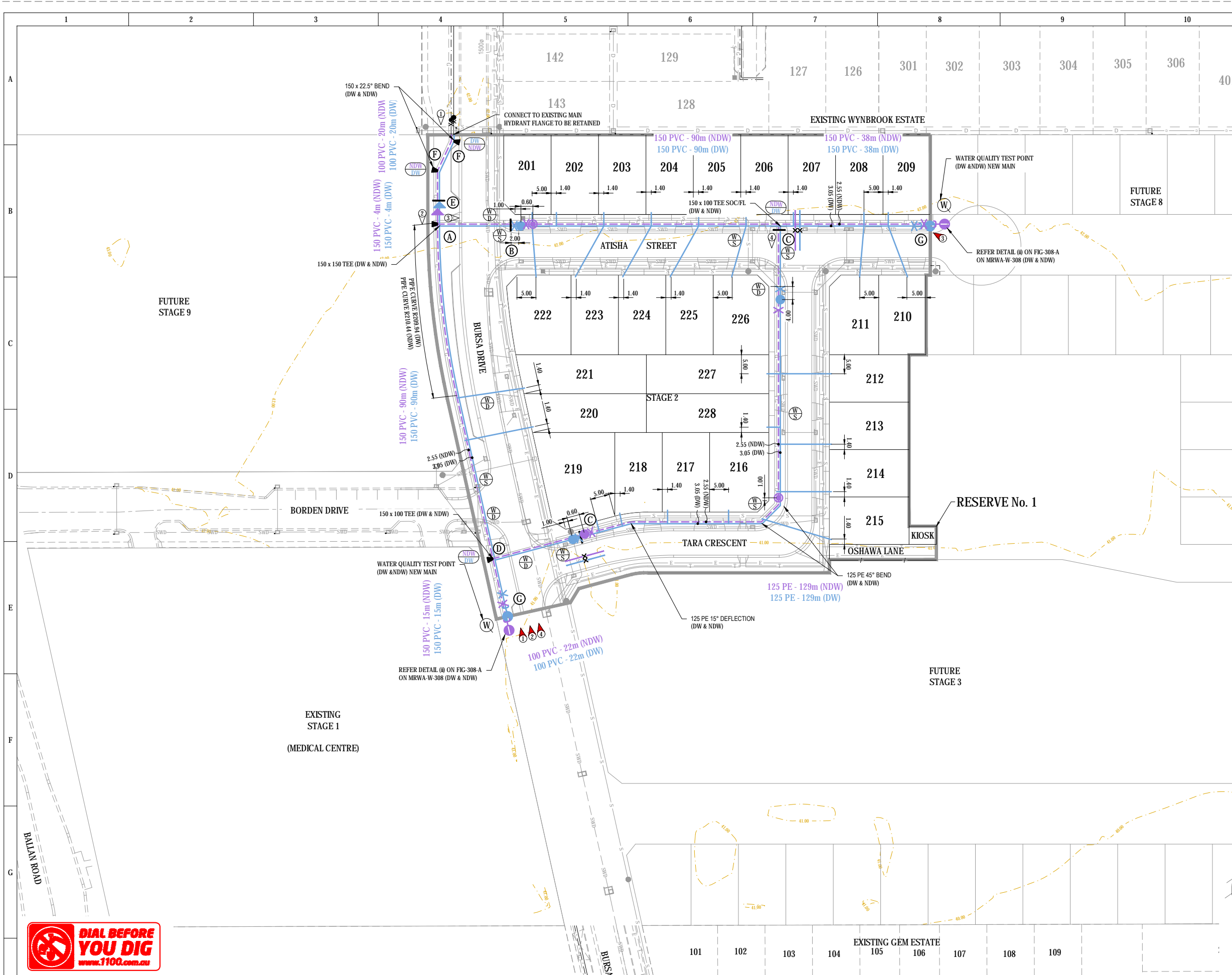
CITY WEST WATER  
WYNDHAM CITY COUNCIL  
PARKLANE GARDENS - STAGE 2  
WATER RETICULATION EXTN. No. LND/18/01017  
GENERAL NOTES, LOCALITY PLAN

SCALE: @A3  
SHEET: 1 OF 3  
DRAWING No.: LND/18/01017W1  
REV C

1	2	3	4	5	6	7	8	9	10	11	12
C	CONSTRUCTION ISSUE	01.02.2019	N.G.								
B	ROAD NAMES CHANGED	17.01.2019									
A	EXTERNAL ISSUE	09.11.2018									
REV	DESCRIPTION	DATE	APPROVED	REV	DESCRIPTION	DATE	APPROVED				



XREF's: XR-V171855-01-CI-BASE; XR-V171855-02-CI-BASE; XR-V171855-03-CI-BASE; XR-V171855-08-CI-BASE; XR-V161850-CI-BASE; XR-CG150058-CI-BASE; XR-CG150396-CI-BASE; XR-V1717171  
CAD FILE: M:\2017\1501\_2000\171855\_Parklane\_Gardens\Civil\Drafting\171855-2-CI-3050.dwg  
DATE PLOTTED: 1 February 2019 8:41 AM BY : NATHAN WHITE



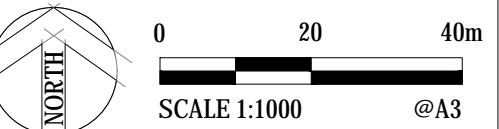
LEGEND	
	DRINKING WATER MAIN
	NON-DRINKING WATER MAIN
	EXISTING DRINKING WATER MAIN
	EXISTING NON-DRINKING WATER MAIN
	PUDDLE FLANGE WITH INLINE THRUST RESTRAINT
	ANCHOR RESTRAINT
	VALVE
	WATER AUTHORITY HYDRANT, BELOW GROUND
	COUNCIL HYDRANT, BELOW GROUND
	REDUCER
	SWAB INSERTION, NUMBER REPRESENTING SWAB ORDER
	SWAB REMOVAL, NUMBER REPRESENTING SWAB ORDER
	REMOVE FITTING
	WASHOUT BEND, RISER AND HYDRANT ABOVE
	FLANGED DUCKFOOT HYDRANT RISER AND HYDRANT ABOVE
	FERRULE & FERRULE BEND (FEMALE OUTLET THREAD)
	CHANGE IN MATERIAL
	CHLORINATION POINT
	DENOTES VERTICAL LOCATION OF SERVICES AT CROSSINGS
	WATER QUALITY CHECKING POINT

THE CITY WEST WATER INSPECTOR SHALL SIGHT AND APPROVE ALL WATER CONNECTIONS, PROPERTY TAPPINGS, FITTINGS, VALVES AND ANCHORS. BACKFILLING SHALL NOT OCCUR PRIOR TO CITY WEST WATER APPROVAL

NON-DRINKING WATER PROPERTY CONNECTIONS ARE NOT SHOWN ON THIS PLAN. NON-DRINKING WATER CONNECTIONS TO BE OFFSET 0.20m TO THE LEFT OF DRINKING WATER PROPERTY CONNECTIONS.


CONTRACTOR TO VERIFY EXISTING SERVICES CONNECTION LEVELS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE IMMEDIATELY IDENTIFIED AND THE SUPERINTENDENT NOTIFIED PRIOR TO CONSTRUCTION COMMENCING.

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STATUS  
**FOR CONSTRUCTION**



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	C	COUNCIL COMMENTS	25.01.2019					DRAWN	C.LEE	MELWAY REFERENCE	233 J12																	
	B	ROAD NAMES CHANGED	17.01.2019																									
	A	EXTERNAL ISSUE	09.11.2018																									
	REV	DESCRIPTION	DATE	APPROVED	REV	DESCRIPTION	DATE	APPROVED	CHECKED	A. KANE	DATE: 01.02.2019		N. GLASSON	DATE: 01.02.2019														
	1			2				3			4		5			6		7		8		9		10		11		12