



**NOTES**

- THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.
- THE CONSTRUCTION OF WORKS SHALL COMPLY WITH THE WATER CORPORATION'S DESIGN STANDARD 'D550'.
- ALL PIPE SIZES IN MILLIMETRES (DIA 150 U.O.S.). ALL DISTANCES AND LEVELS IN METRES.
- DISTANCES GIVEN ARE AT THE INTERSECTION OF SEWERS.
- THE CONTRACTOR SHALL ENSURE THAT ALL LOTS ARE SERVED WITH HOUSE CONNECTIONS. (DUPLIX LOTS TO HAVE TWO CONNECTIONS).
- EARTHWORKS TO BE COMPLETED PRIOR TO CONSTRUCTION OF SEWER.
- LOCAL AUTHORITY - CITY OF SWAN
- ACCESS CHAMBER DEPTHS ARE SHOWN FOR WATER CORPORATION INFORMATION ONLY.
- BASE INFORMATION
  - LEVELS ARE REDUCED FROM AUSTRALIAN HEIGHT DATUM.
  - ESTIMATED G.W.L.
- CENTRELINES OF ACCESS CHAMBERS, SEWER PIPES AND END OF I.O. LINES ARE TO BE ON ALIGNMENTS OF 3.1m IN ROAD RESERVES, 2.0m IN LANEWAYS AND 1.0m INSIDE LOTS UNLESS OTHERWISE SHOWN.
- FOR OPEN TRENCH EXCAVATION:
  - DN100 PIPES TO BE PVC CLASS SN6 TO AS/NZS 1260.
  - DN150 TO DN375 PIPES TO BE PVC CLASS SN8 FOR DEPTHS UP TO 7.0m AND PVC CLASS SN16 WHEN DEPTH IS BETWEEN 7.0m & 9.5m, BOTH IN ACCORDANCE WITH AS/NZS 1260.
- FOR TRENCHLESS TECHNIQUES DN150 SEWER PIPES TO BE PVC CLASS 9 TO AS/NZS 1477 OR CLASS SN16 TO AS/NZS 1260, DN225 SEWER PIPES TO BE CLASS SN16 TO AS/NZS 1260, DN300 & DN375 SEWER PIPES TO BE CLASS 12 TO AS/NZS 1477.
- SEWER PIPES UP TO & INCLUDING DN300 TO BE SOLVENT CEMENT JOINTED. DN375 SEWER PIPES TO BE RUBBER RING JOINTED.
- ALL HOUSE CONNECTIONS DEEPER THAN 1.5m ARE TO BE BROUGHT UP TO WITHIN 1.0m OF THE SURFACE.
- INSPECTION SHAFTS AT THE END OF I.S. SEWERS ARE REQUIRED TO BE BROUGHT UP TO WITHIN 0.6m OF THE SURFACE WHERE THE LAST UPSTREAM PIT IS A MAINTENANCE SHAFT.
- MINIMUM COVER OF SEWERS TO BE 1.0m IN ROAD CROSSINGS AND 0.75m IN LOTS AND ROAD VERGE. CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE SUPERINTENDENT.
- ACCESS CHAMBERS LESS THAN 6.0m DEEP SHALL BE PRECAST CONCRETE OR STANDARD BRICK CONSTRUCTION UNLESS NOTED OTHERWISE.
- ALL CONNECTIONS TO LIVE SEWERS TO BE BY WATER CORPORATION AT CONTRACTORS EXPENSE.
- CONTRACTOR TO ENSURE RE-INSTALLMENT OF ALL EXISTING SERVICES AND FENCES UPON COMPLETION OF WORKS.
- WHERE A SEWER LINE INTERSECTS WITH A STORMWATER DRAINAGE LINE AND THE SEWER PASSES OVER THE DRAIN THEN THE SEWER SHALL HAVE A TIMBER PILE AND KEEL PROVIDED FOR THE FULL EXTENT NECESSARY TO SUPPORT THE SEWER DURING EXCAVATION FOR THE DRAIN.
- ALL LEVELS SHALL BE LOCATED FROM ESTABLISHED BENCHMARKS AS SUPPLIED BY THE PROJECT SURVEYOR.
- THE CONTRACTOR SHALL LIAISE WITH THE PROJECT SURVEYOR AND SHALL ENSURE ALL AS-CONSTRUCTED DETAILS ARE RECORDED PRIOR TO ANY WORKS BEING BACKFILLED.

**LEGEND**

AA6680 TYPE 1	NUMBER 3.8 DEPTH D	CLASS OF COVER TYPE	AA6080 NUMBER 3.8 DEPTH D	NUMBER 3.8 DEPTH D	BD BOLT DOWN COVER
ACCESS CHAMBER STANDARD R.C. COVER			ACCESS CHAMBER TRAFFICABLE COVER		
SEWER TO BE CONCRETE ENCASED					
PROPOSED SEWER JUNCTION					
DENOTES PROPOSED JUNCTION TO BE CUT INTO EXISTING SEWER					
PIPE DIA. GRADE LENGTH(m)					
PROPOSED SEWERS WITH NOTATION.					
BT BOUNDARY TRAP					
RT RUNNING TRAP					
EXISTING SEWERS.					
FUTURE SEWERS.					
PROPOSED ROAD CONTOURS					
FINISHED LOT LEVELS					
PROPOSED RETAINING WALL					
RETICULATION AREA BOUNDARY.					
Dx DUPLEX LOT					
521 LOT NUMBERS					
FUTURE LOT PROVIDED WITH PROPERTY CONNECTION BY THIS RETICULATION STAGE (NO CLEARANCES WILL BE SOUGHT UNDER THIS CONTRACT)					
LOT PROVIDED WITH PROPERTY CONNECTION IN PREVIOUS RETICULATION STAGE (CLEARANCES WILL BE SOUGHT UNDER THIS CONTRACT)					
(P8) DOUBLE RISING SHAFT PROPERTY CONNECTION WITH MAXIMUM INVERT LEVEL AT BOUNDARY LINE					
DESIGNATED GARAGE LOCATION					
EXISTING TREE TO REMAIN					

FOR WATER CORPORATION PURPOSES:

A) LENGTH OF SEWERS : 612.7m

B) NO. OF ACCESS CHAMBERS: 1

NO. OF MAINTENANCE SHAFTS: 2

**MSWA RETICULATION SUBMISSION**

This plan is accepted as being in accordance with the endorsed Concept Plan: NT64-200-001

Compliance with the relevant design standards and manuals remains the responsibility of the Design Engineer.

No works are to commence on site until start-up meeting requirements have been made with the relevant Asset Inspector. Refer to the Developers' Manual for contact details.

FILE No. : . . . . .

RETICULATION AREA:

WAPC: 160731



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No.	DATE	DRAWN	APPROVED	AMENDMENT	No.	DATE	DRAWN	APPROVED	AMENDMENT
A	31.03.22	RDE	JZ	ISSUED FOR COMMENTS.					

This plan shall not be used for construction unless issued as rev 0 and signed as approved.

**PROGRESS DEVELOPMENTS**

CLIENT: ST LEONARDS

DESIGNED: RDE

CHECKED: JZ

APPROVED: B. FARRELL

DRAWN: MRF

CHECKED: RDE

DATE: 31.03.22

**TABEC**

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PROJECT: ST LEONARDS ESTATE, DAYTON - STAGE 1X

TITLE: SEWER RETICULATION PLAN

DRAWING NUMBER: 2223-1X-201

ISSUE: A

SCALE 1:200 A1