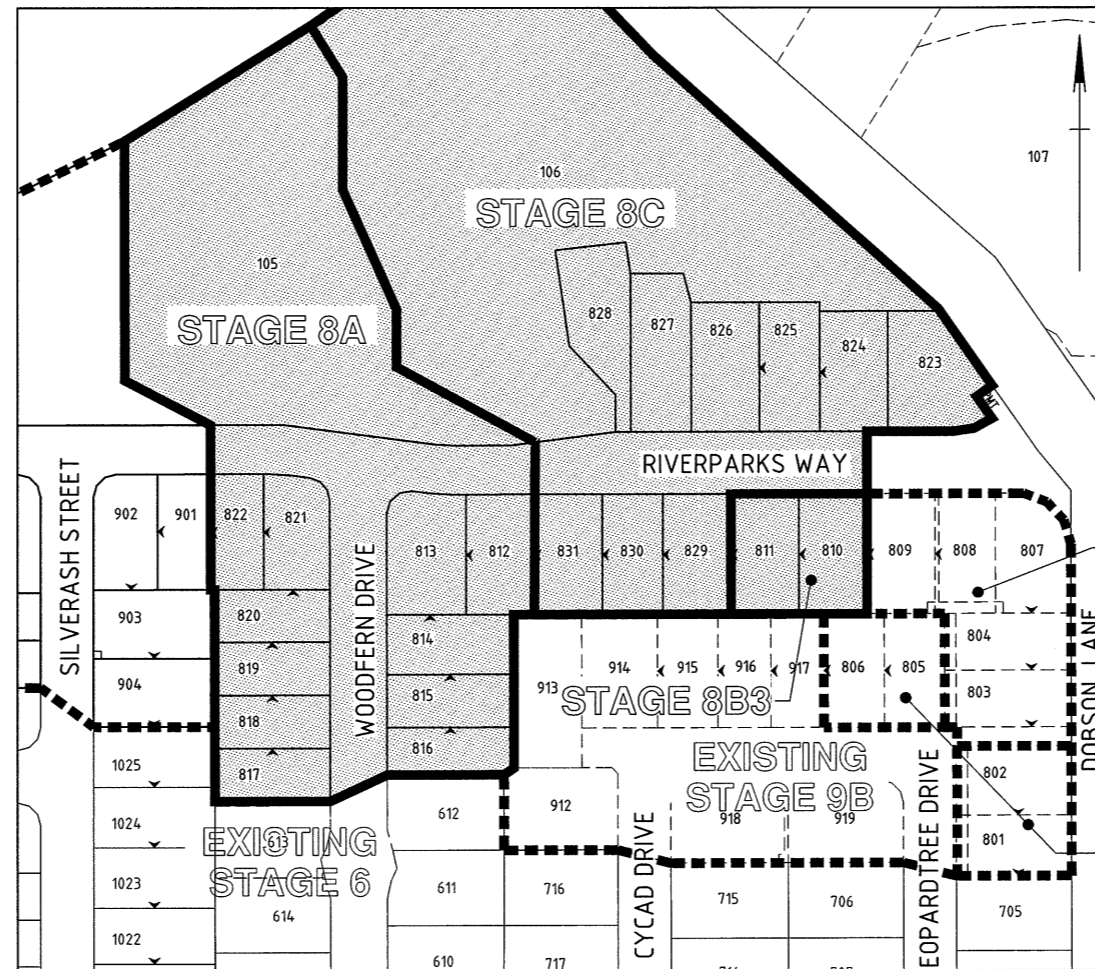
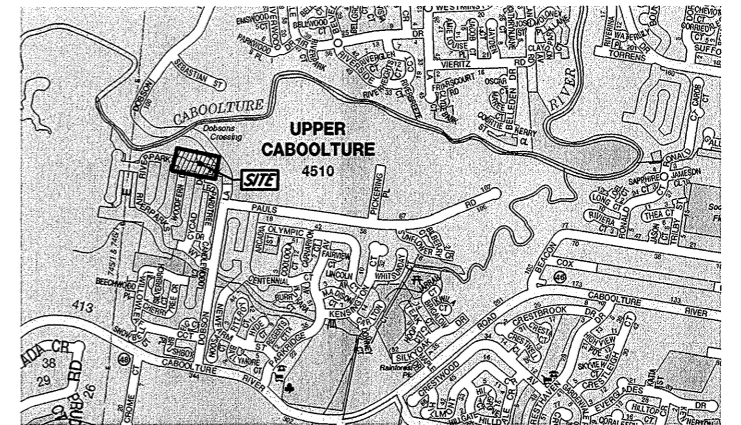


WATER SUPPLY NOTES

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND WATER SUPPLY CODE SPECIFICATIONS AND STANDARDS.
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
- COVER ON MAINS FROM PERMANENT LEVEL TO BE AS SHOWN IN SEQ STANDARD DRAWING SEQ-WAT-1200-2.
- CONDUITS TO BE INSTALLED IN ACCORDANCE WITH SEQ STANDARD DRAWING SEQ-WAT-1108-1 & SEQ-WAT-1108-2.
- WATER SERVICE CONNECTIONS TO EXISTING AND NEW WATER MAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEQ STANDARD DRAWING SEQ-WAT-1108-2 & SEQ-WAT-1108-3.
- A WATER METER SUPPLIED AT THE DEVELOPER'S COST, IS TO BE INSTALLED AT THE SERVICE POINT OF EACH LOT IN ACCORDANCE WITH SEQ STANDARD DRAWING SEQ-WAT-1108-2 & SEQ-WAT-1108-3.
- ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH 'UNITY WATER'S' ACCEPTED PRODUCTS AND MATERIALS LIST OR BE APPROPRIATELY SHOWN, LISTED AND DEFINED IN THE ENGINEERING SUBMISSION SO THAT THE ALTERNATIVE PRODUCT OR MATERIAL CAN BE ASSESSED AND IF APPROPRIATE, APPROVED BY 'UNITY WATER'.
- ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS.
- THE CONSTRUCTION OF THE WATER RETICULATION WORK SHOWN ON THIS DRAWING MUST BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
- CONCRETE (CLASS N32) THRUST BLOCKS TO BE PROVIDED AT ALL HORIZONTAL AND VERTICAL BENDS, REDUCERS, TEE'S, DEAD ENDS, VALVES, ET CETERA. REFER SEQ WATER STD. DWG. NO. SEQ-WAT-1205-1.
- ALL WATERMANS SHALL BE BEDDED AND BACKFILLED IN ACCORDANCE WITH SEQ WATER STD. DWG. NO. SEQ-WAT-1201-1 TO 1204-1.
- BLUE RRPMS SHALL BE PLACED, ALONG THE ROADWAY CENTRELINE, OPPOSITE ALL HYDRANTS. REFER STD DWGS SEQ-WAT-1300-1 & 1300-2.
- YELLOW RRPMS SHALL BE PLACED, ALONG THE ROADWAY CENTRELINE, OPPOSITE ALL VALVES. REFER STD DWGS SEQ-WAT-1300-1 & 1300-2.
- ALL FIRE HYDRANTS SHALL BE LOCATED OPPOSITE COMMON PROPERTY BOUNDARIES, UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL WATERMANS SHALL BE LOCATED WHOLLY WITHIN THE DESIGNATED WATERMAIN CORRIDOR. COUNCIL RESERVES THE RIGHT TO REQUEST THE CONTRACTOR TO RECONSTRUCT THOSE PORTIONS OF THE WATERMAIN, WHICH ARE CONSTRUCTED OUTSIDE OF THE DESIGNATED CORRIDOR(S).
- HYDRANTS AND VALVES, INCLUDING MARKER POSTS COMPLETE, SHALL BE INSTALLED IN ACCORDANCE WITH SEQ WATER STD DWG NO. SEQ-WAT-1300-1 TO 1306-1.
- ALL CONNECTIONS OR ALTERATIONS TO UNITY WATER'S EXISTING RETICULATION MAINS SHALL BE MADE BY UNITY WATER AT THE DEVELOPER'S COST.
- MAXIMUM PIPE DEFLECTION OF 3° FOR oPVC (4° FOR DICL) AT EACH JOINT AS DIRECTED BY THE ENGINEER.
- UNLESS OTHERWISE APPROVED, ALL PIPES AT ROAD CROSSINGS SHALL BE OPVC (PN16).
- ROAD CROSSING CONDUITS SHALL BE 100mm DIA. oPVC (PN16) SOLVENT WELD JOINTED, SHALL EXTEND 300mm PAST THE BACK OF KERB, FOOTPATH OR BIKEPATH, AND SHALL BE INSTALLED IN ACCORDANCE WITH SEQ WATER STD DWG NO. SEQ-WAT-1108-1.
- ALL WATER AND SEWER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR IS TO COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011 AND IN PARTICULAR TO PART 13 OF THE WORKPLACE HEALTH AND SAFETY REGULATIONS - "EXCAVATIONS, TRENCHES, CAISSONS, COFFERDAMS AND TUNNELS" (REGULATION 125 TO REGULATION 131 INCLUSIVE). CONTACT YOUR NEAREST OFFICE OF THE DIVISION OF ACCIDENT PREVENTION FOR INFORMATION ON (07) 3896 3363.
- TESTING PRESSURE = 1300KPA.
- ALL SLUICE VALVES SHALL BE CONSTRUCTED IMMEDIATELY ADJACENT THE TEE WHERE PRACTICABLE.



LOCALITY PLAN
SCALE 0 10 20 30 40 50m 1:1000 (A1)



LOCALITY PLAN
UBD MAP 5748
(NTS)

EXISTING STAGE 8B2

EXISTING STAGE 8B

WATER RETICULATION LIVE WORKS TABLE - BY UNITY WATER AT DEVELOPERS EXPENSE

NO.	DESCRIPTION	WATER MAIN DIA (m)	WATER MAIN LENGTH (m)	FITTING TYPE	NO. OF FITTINGS
1	3.0m UNITY WATER CONNECTION UNITY WATER TO EXCAVATE TO EXISTING ϕ 150 WATERMAIN, REMOVE EXISTING DUCKFOOT HYDRANT AND CONNECT WATER MAIN TO EXISTING 150 ϕ WATERMAIN, INCLUDING INSTALLATION OF FIRE HYDRANT AND REQUIRED FITTINGS AND REMOVAL OF TEMPORARY DUCKFOOT HYDRANT. UNITY WATER TO BACKFILL WATERMAIN INCLUDING TEMPORARY SURFACE RESTORATION.	150 ϕ	3.000	- APPROVED CONNECTOR	1 OFF
2	3.0m UNITY WATER CONNECTION UNITY WATER TO EXCAVATE TO EXISTING ϕ 150 WATERMAIN, REMOVE EXISTING ϕ 150 DEAD END CAP AND CONNECT WATER MAIN TO EXISTING 150 ϕ WATERMAIN, INCLUDING INSTALLATION OF REQUIRED FITTINGS. UNITY WATER TO BACKFILL WATERMAIN INCLUDING TEMPORARY SURFACE RESTORATION.	150 ϕ	3.000	- APPROVED CONNECTOR	1 OFF
3	3.0m UNITY WATER CONNECTION UNITY WATER TO EXCAVATE TO EXISTING WATERMAIN, REMOVE DUCKFOOT HYDRANT AND CONNECT WATER MAIN TO EXISTING 150 ϕ WATERMAIN, INCLUDING INSTALLATION OF REQUIRED FITTINGS. UNITY WATER TO BACKFILL WATERMAIN INCLUDING TEMPORARY SURFACE RESTORATION.	150 ϕ	3.000	- APPROVED CONNECTOR	1 OFF

ENVIRONMENTAL CONDITIONS

VEGETATION PROTECTION

- TREES LOCATED ALONG THE FOOTPATH SHALL BE, WHERE POSSIBLE TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
- WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHALL BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES MUST BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
- TREE ROOTS SHALL BE TUNNELLED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL ARBORIST FOR FURTHER ADVICE.
- ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

SOIL

- TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
- CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.

CREEK CROSSINGS

- SILTATION CONTROL MEASURES SHOULD BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
- APPROPRIATE SEDIMENT CONTROLS SHOULD BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
- NO SOIL SHOULD BE STOCKPILED WITHIN 5m OF THE CREEK.

REHABILITATION

- PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS ARE TO BE REINSTATED.
- PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.

SHEEHY & PARTNERS

SIGNED: _____ DATE: 09/11/2017
 NAME OF SIGNATORY (PRINT): SCOTT THOMAS
 RPEQ NO.: 4618

COUNCIL REFERENCE No: DA/17127/2007/VCHG/1

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SURVEYOR:



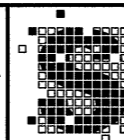
BRISBANE (07) 3666 4000
 MACKAY (07) 4601 0011
 PROSERPINE (07) 4641 1722
 CAIRNS (07) 4601 8722

CLIENT:

NORTHERLY PROJECTS PTY LTD

PROJECT: RIVERPARKS ESTATE - PAULS ROAD, UPPER CABOOLTURE
 STAGE 8A, 8B3 & 8C

SCALE: AS SHOWN
 DESIGNED: FI
 CHECKED: PM
 DRAWN: FI
 CHECKED: PM
 DATE: NOV '17



SHEEHY & PARTNERS
 PTY LIMITED
 CONSULTING ENGINEERS
 STRUCTURAL AND CIVIL
 PH(07)3839 3544 FAX(07)3839 3555
 A.C.N.009 899 905

WATER RETICULATION
 LOCALITY PLAN AND GENERAL NOTES

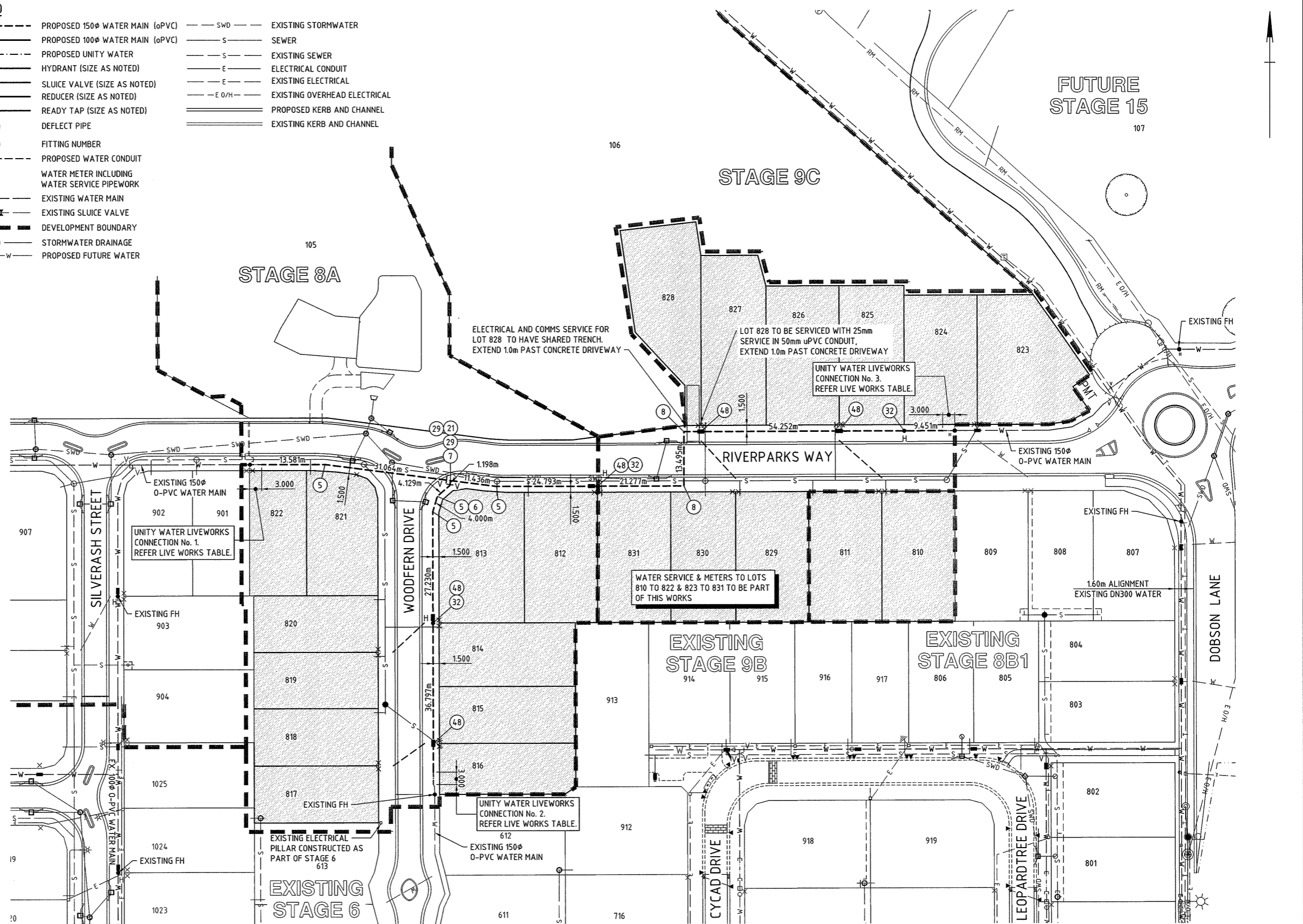
DRAWING NUMBER:
8606-35
 FULL SIZE A1
 No. OF DRAWINGS: 24

FITTING INDEX

No.	FITTING TYPE
1	100 DIA. x 11.25° BEND AND THRUST BLOCK
2	100 DIA. x 22.5° BEND AND THRUST BLOCK
3	100 DIA. x 45° BEND AND THRUST BLOCK
4	100 DIA. x 90° BEND AND THRUST BLOCK
5	150 DIA. x 11.25° BEND AND THRUST BLOCK
6	150 DIA. x 22.5° BEND AND THRUST BLOCK
7	150 DIA. x 45° BEND AND THRUST BLOCK
8	150 DIA. x 90° BEND AND THRUST BLOCK
9	200 DIA. x 11.25° BEND AND THRUST BLOCK
10	200 DIA. x 22.5° BEND AND THRUST BLOCK
11	200 DIA. x 45° BEND AND THRUST BLOCK
12	200 DIA. x 90° BEND AND THRUST BLOCK
13	100 DIA. x 100 DIA. SOCKET - SOCKET x FLANGE TEE AND THRUST BLOCK
14	150 DIA. x 100 DIA. SOCKET - SOCKET x FLANGE TEE AND THRUST BLOCK
15	150 DIA. x 150 DIA. SOCKET - SOCKET x FLANGE TEE AND THRUST BLOCK
16	200 DIA. x 100 DIA. SOCKET - SOCKET x FLANGE TEE AND THRUST BLOCK
17	200 DIA. x 150 DIA. SOCKET - SOCKET x FLANGE TEE AND THRUST BLOCK
18	200 DIA. x 200 DIA. SOCKET - SOCKET x FLANGE TEE AND THRUST BLOCK
19	100 DIA. x 100 DIA. ALL SOCKET TEE AND THRUST BLOCK
20	150 DIA. x 100 DIA. ALL SOCKET TEE AND THRUST BLOCK
21	150 DIA. x 150 DIA. ALL SOCKET TEE AND THRUST BLOCK
22	200 DIA. x 100 DIA. ALL SOCKET TEE AND THRUST BLOCK
23	200 DIA. x 150 DIA. ALL SOCKET TEE AND THRUST BLOCK
24	200 DIA. x 200 DIA. ALL SOCKET TEE AND THRUST BLOCK
25	100 DIA. FLANGE SLUICE VALVE
26	150 DIA. FLANGE SLUICE VALVE
27	200 DIA. FLANGE SLUICE VALVE
28	100 DIA. DS SLUICE VALVE
29	150 DIA. DS SLUICE VALVE
30	200 DIA. DS SLUICE VALVE
31	100 DIA. FIRE HYDRANT AND HYDRANT TEE
32	150 DIA. FIRE HYDRANT AND HYDRANT TEE
33	200 DIA. FIRE HYDRANT AND HYDRANT TEE
34	100 DIA. DUCKFOOT BEND AND HYDRANT AND THRUST BLOCK
35	150 DIA. DUCKFOOT BEND AND HYDRANT AND THRUST BLOCK
36	200 DIA. DUCKFOOT BEND AND HYDRANT AND THRUST BLOCK
37	100 DIA. FLANGE - SPIGOT CONNECTOR
38	150 DIA. FLANGE - SPIGOT CONNECTOR
39	200 DIA. FLANGE - SPIGOT CONNECTOR
40	100 DIA. DEAD END CAP
41	150 DIA. DEAD END CAP
42	200 DIA. DEAD END CAP
43	150 DIA. x 100 DIA. REDUCER
44	200 DIA. x 100 DIA. REDUCER
45	200 DIA. x 150 DIA. REDUCER
46	100 DIA. UNI-FLANGE, 100 DIA. x 50 DIA. TAPER AND 50 DIA. BRASS MALE IRON TO POLY JOINER
47	100 DIA. READY TAP WATER SUPPLY CONNECTION
48	150 DIA. READY TAP WATER SUPPLY CONNECTION
49	200 DIA. READY TAP WATER SUPPLY CONNECTION
50	100 DIA. CLOSED VALVE
51	63 DIA. READY TAP WATER SUPPLY
52	150 DIA. x 63 DIA. REDUCER
53	63 DIA. FIRE HYDRANT AND HYDRANT TEE

LEGEND

---	PROPOSED 150Ø WATER MAIN (oPVC)	---	EXISTING STORMWATER
---	PROPOSED 100Ø WATER MAIN (oPVC)	---	SEWER
---	PROPOSED UNITY WATER	---	EXISTING SEWER
---	HYDRANT (SIZE AS NOTED)	---	ELECTRICAL CONDUIT
---	SLUICE VALVE (SIZE AS NOTED)	---	EXISTING ELECTRICAL
---	REDUCER (SIZE AS NOTED)	---	EXISTING OVERHEAD ELECTRICAL
---	READY TAP (SIZE AS NOTED)	---	PROPOSED KERB AND CHANNEL
---	DEFLECT PIPE	---	EXISTING KERB AND CHANNEL
(DF)	FITTING NUMBER		
---	PROPOSED WATER CONDUIT		
x	WATER METER INCLUDING WATER SERVICE PIPEWORK		
---	EXISTING WATER MAIN		
---	EXISTING SLUICE VALVE		
---	DEVELOPMENT BOUNDARY		
---	STORMWATER DRAINAGE		
---	PROPOSED FUTURE WATER		



NOTE:
FOR GENERAL WATER RETICULATION NOTES AND LIVE WORKS TABLE REFER TO DRAWING 8521-35.

STANDARD 1.5m WATER MAIN ALIGNMENT FROM PROPERTY BOUNDARY & TRUNCATION POINTS

NOTWITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THE JOB DRAWINGS, NO RESPONSIBILITY IS TAKEN BY THE ENGINEER OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL ASCERTAIN THE POSITION OF ANY UNDERGROUND SERVICES IN THIS AREA AND SHALL BE RESPONSIBLE FOR MAKING GOOD ANY DAMAGE THERETO.

SHEEHY & PARTNERS
SIGNED: [Signature] DATE: 09/11/2017
NAME OF SIGNATORY (PRINT): SCOTT THOMAS
RPEQ NO. 4618

COUNCIL REFERENCE No. DA/17127/2007/VCHG/1

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veris
BRISBANE 071 366 4466
MACKAY 071 447 2111
PROSERPINE 071 464 1152
CAIRNS 071 461 4133

SURVEYOR:
NORTHERLY PROJECTS PTY LTD

CLIENT:
RIVERPARKS ESTATE - PAULS ROAD, UPPER CABOOLTURE STAGE 8A, 8B3 & 8C

AMENDMENTS	DATE	INITIALS

SCALES: AS SHOWN
DESIGNED: FI
CHECKED: PM
DRAWN: FI
CHECKED: PM
DATE: NOV '17

CONSULT AUSTRALIA
Member Firm

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PTY LIMITED
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WATER RETICULATION
LAYOUT PLAN

DRAWING NUMBER:
8606-36
FULL SIZE A1
No. OF DRAWINGS: 24

PLOT DATE: 09 Nov. 2017 8:30pm CAD FILE: \\N:\8606001\8606\ACAD\8606-36.dwg