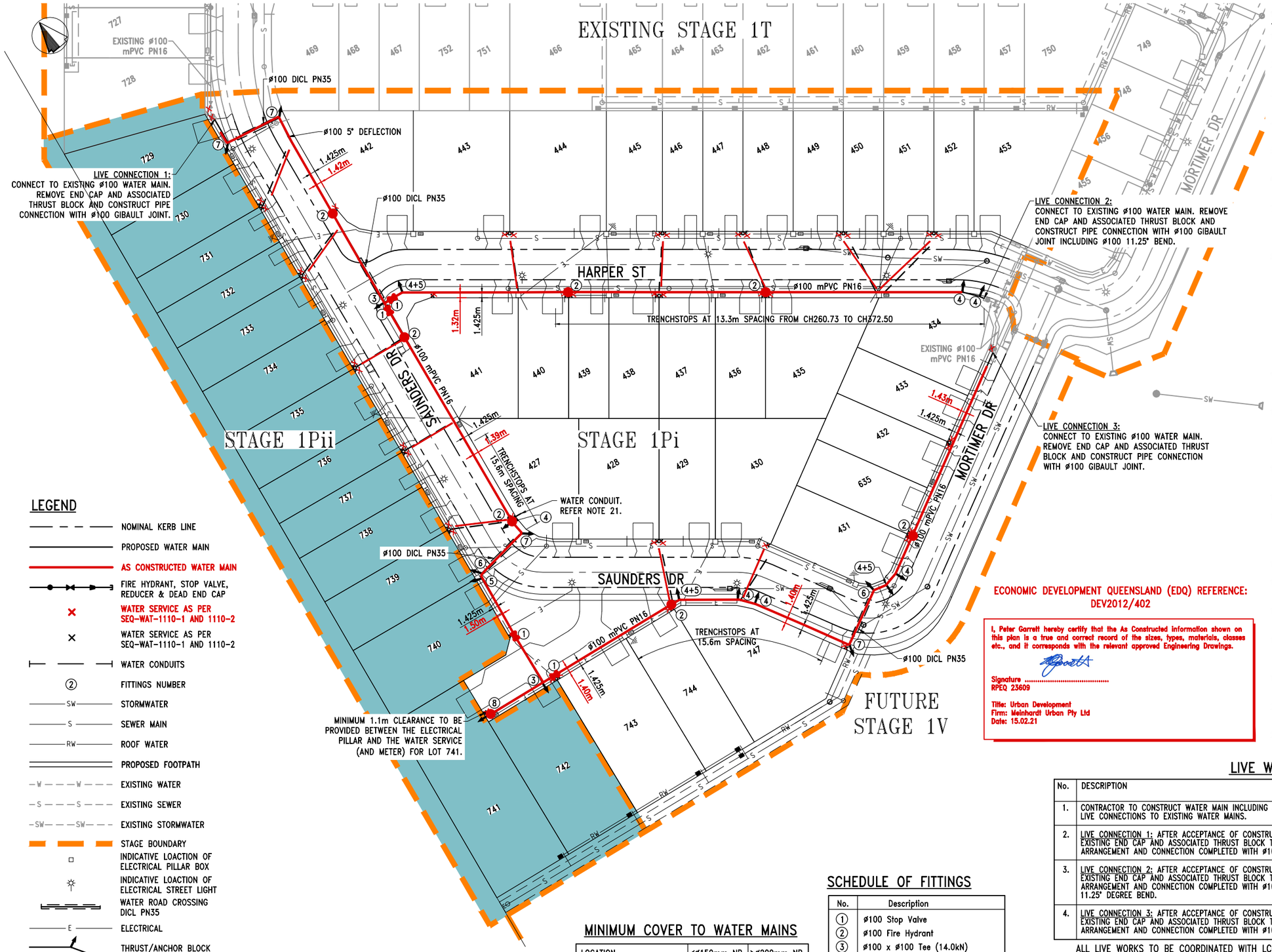

WATER NOTES:

1. THE GENERAL ALIGNMENT OF WATER MAINS SHALL BE 1.425m OUTSIDE THE PROPERTY BOUNDARY UNLESS SHOWN OTHERWISE.
2. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND (SEQ) WATER SUPPLY CODE SPECIFICATIONS AND STANDARDS.
3. WATER RETICULATION MAINS SHALL BE CONSTRUCTED WITH PVC-M PN16 PIPE, ASIDE FROM WATER ROAD CROSSING WHICH ARE TO BE DICL PN35
4. DEAD ENDS OF WATER MAINS TO BE CONSTRUCTED IN ACCORDANCE WITH SEQ CODE REQUIREMENTS.
5. REFER TO SEQ CODE STANDARD DRAWINGS SEQ-WAT-1301-1 & SEQ-WAT-1302-1 FOR VALVE AND HYDRANT INSTALLATION DETAILS.
6. MARKERS ARE REQUIRED FOR ALL HYDRANTS AND VALVES IN ACCORDANCE WITH SEQ CODE STANDARD DRAWINGS SEQ-WAT-1300-1 & SEQ-WAT-1300-2.
7. WHERE THERE IS A DIRECT LINE CLASH BETWEEN THE POWER SUPPLY PILLAR/STREET LIGHT AND FIRE HYDRANT THE FIRE HYDRANT IS TO BE LOCATED 1000mm OFF THE PROLONGATION OF ANY COMMON BOUNDARY, i.e. 1000mm AWAY FROM THE POWER SUPPLY PILLAR/STREET LIGHT.
8. WATER SERVICES ARE TO BE PROVIDED TO EACH ALLOTMENT IN ACCORDANCE WITH SEQ CODE STANDARD DRAWINGS SEQ-WAT-1110-1 & 1110-2. WHERE WATER SERVICE CONNECTIONS ARE TO BE MADE TO EXISTING WATER MAINS (FOR THE PURPOSE OF PROVIDING NEW SERVICES TO PROPOSED ALLOTMENTS). THE PROPOSED BOUNDARIES SHALL BE STAKED BY A LICENSED SURVEYOR AND A LOT CALCULATION PLAN DETAILING THE PROPOSED ALLOTMENTS PROVIDED TO L.C.C. PRIOR TO INSTALLATION OF ALL NEW SERVICES. WHERE WATER SERVICE CONNECTION POINTS FOR PROPOSED ALLOTMENTS ARE BENEATH CONCRETE PATHWAYS OR BIKEWAYS THEN IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPERS PRINCIPAL CONTRACTOR TO CO-ORDINATE (IN CONSULTATION WITH L.C.C.) THE INSTALLATION OF ALL PROPOSED WATER WITH CONNECTION POINTS TO THE INSTALLATION OF CONCRETE PATHWAY OR BIKEWAY SYSTEM.
9. THE CONTRACTOR SHALL DETERMINE ALLOWABLE BEARING CAPACITIES OF THE UNDISTURBED SIDE OF THE TRENCH. DIMENSIONS OF THE THRUST BLOCK ARE TO BE IN ACCORDANCE WITH SEQ CODE STANDARD DRAWING SEQ-WAT-1205-1.
10. WATER MAINS SHALL BE TESTED UNDER HYDRAULIC PRESSURE TO A PRESSURE TEST OF 1.2MPa. REFER TO SEQ CODE AND WSA 03 2011 V3.1 CLAUSE 19.4 FOR DETAILS.
11. LIVE CONNECTION TO EXISTING WATER MAINS TO BE COMPLETED BY CONTRACTOR UNDER LCC SUPERVISION UNLESS NOTED OTHERWISE.
12. WATER SERVICE CONDUITS TO BE 100mm DIA uPVC PN9 SERIES WITH SOLVENT WELD JOINTS IN ACCORDANCE WITH SEQ CODE STANDARD DRAWING SEQ-WAT-1110-1.
13. METERS TO BE PROVIDED AND INSTALLED BY L.C.C.
14. ALL WATER CONDUITS TO EXTEND 300mm BEYOND CONCRETE FOOTPATH IN ACCORDANCE WITH SEQ CODE STANDARD DRAWING SEQ-WAT-1110-1. WHERE NO FOOTPATHS ARE PRESENT, WATER SERVICE CONDUITS ARE TO EXTEND 300mm MINIMUM BEHIND BACK OF KERB.
15. ALL HYDRANT TEES ARE TO BE DN100.
16. NEW WATER MAIN IN THE VICINITY OF THE LIVE CONNECTION IS TO BE LAID AT A LEVEL THAT SUITS THE EXISTING WATER MAIN.
17. ANY WORKS CONSTRUCTED OUT OF SPECIFIED TOLERANCE SHALL BE RECTIFIED AT THE CONTRACTORS EXPENSE (IF ORDERED).
18. WATER MAINS ARE NOT PERMITTED TO BE CONSTRUCTED WITHIN THE ROAD BOX. ROAD CROSSING DESIGN IS TO ACCOUNT FOR THE CONSTRUCTION PHASE OF THE DEVELOPMENT TO PROVIDE THE REQUIRED COVER.
19. MINIMUM CLEARANCE BETWEEN WATER AND OTHER SERVICES TO COMPLY WITH SEQ CODE REQUIREMENTS.
20. ADJACENT SOCKETED FITTINGS SHALL BE SEPARATED BY A MINIMUM STRAIGHT LENGTH OF 600mm.
21. 100mm DIA uPVC PN9 WATER CONDUIT TO BE EXTENDED MINIMUM 1m PAST RETAINING WALL FROM WATER SERVICE CONNECTION TO SUIT FUTURE PLUMBING WORKS.

LEGEND

- NOMINAL KERB LINE
- PROPOSED WATER MAIN
- AS CONSTRUCTED WATER MAIN
- FIRE HYDRANT, STOP VALVE, REDUCER & DEAD END CAP
- WATER SERVICE AS PER SEQ-WAT-1110-1 AND 1110-2
- WATER SERVICE AS PER SEQ-WAT-1110-1 AND 1110-2
- WATER CONDUITS
- FITTINGS NUMBER
- SW — STORMWATER
- S — SEWER MAIN
- RW — ROOF WATER
- PROPOSED FOOTPATH
- W — EXISTING WATER
- S — EXISTING SEWER
- SW — EXISTING STORMWATER
- STAGE BOUNDARY
- INDICATIVE LOACTION OF ELECTRICAL PILLAR BOX
- INDICATIVE LOACTION OF ELECTRICAL STREET LIGHT
- WATER ROAD CROSSING DICL PN35
- E — ELECTRICAL
- THRUST/ANCHOR BLOCK
- DRIVEWAY LOCATIONS CONSIDERED DURING DESIGN (NOT TO BE BUILT BY CIVILS)
- STAGE 1Pii

MINIMUM COVER TO WATER MAINS

LOCATION	≤ø150mm NB	≥ø200mm NB
NON-ROADWAYS	600mm	1000mm
SEALED ROADS	600mm	1000mm
MAJOR ROADS/EMBANKMENT	750mm	1000mm
FREEWAYS	1200mm	1200mm

SCHEDULE OF FITTINGS

No.	Description
1	ø100 Stop Valve
2	ø100 Fire Hydrant
3	ø100 x ø100 Tee (14.0kN)
4	ø100 11.25° BEND (2.7kN)
5	ø100 22.5° BEND (5.5kN)
6	ø100 45° BEND (10.7kN)
7	ø100 90° BEND (19.8kN)
8	ø100 End of Line Hydrant (14.0kN)

ECONOMIC DEVELOPMENT QUEENSLAND (EDQ) REFERENCE: DEV2012/402

I, Peter Garrett hereby certify that the As Constructed information shown on this plan is a true and correct record of the sizes, types, materials, classes etc., and it corresponds with the relevant approved Engineering Drawings.

Signature .....
RPEQ 23609

Title: Urban Development
Firm: Meinhardt Urban Pty Ltd
Date: 15.02.21

LIVE WATER MAIN WORKS

No.	DESCRIPTION	WATER DIA./MAT.	ADJACENT LOT NO.	COVER/DEPTH
1.	CONTRACTOR TO CONSTRUCT WATER MAIN INCLUDING ALL FITTINGS STOPPING 3.0m SHORT OF LIVE CONNECTIONS TO EXISTING WATER MAINS.			
2.	LIVE CONNECTION 1: AFTER ACCEPTANCE OF CONSTRUCTED WATER WORKS "ON MAINTENANCE", EXISTING END CAP AND ASSOCIATED THRUST BLOCK TO BE REMOVED FROM END OF LINE ARRANGEMENT AND CONNECTION COMPLETED WITH ø100 GIBAULT JOINT.	ø100 mPVC PN16	729	600mm COVER
3.	LIVE CONNECTION 2: AFTER ACCEPTANCE OF CONSTRUCTED WATER WORKS "ON MAINTENANCE", EXISTING END CAP AND ASSOCIATED THRUST BLOCK TO BE REMOVED FROM END OF LINE ARRANGEMENT AND CONNECTION COMPLETED WITH ø100 GIBAULT JOINT AND INCLUDING ø100 11.25° DEGREE BEND.	ø100 mPVC PN16	434	600mm COVER
4.	LIVE CONNECTION 3: AFTER ACCEPTANCE OF CONSTRUCTED WATER WORKS "ON MAINTENANCE", EXISTING END CAP AND ASSOCIATED THRUST BLOCK TO BE REMOVED FROM END OF LINE ARRANGEMENT AND CONNECTION COMPLETED WITH ø100 GIBAULT JOINT.	ø100 mPVC PN16	434	600mm COVER

ALL LIVE WORKS TO BE COORDINATED WITH LCC AND TO BE COMPLETED UNDER LCC SUPERVISION.

FIRE ANT NOTE:

UNDER QUEENSLAND LEGISLATION, FIRE ANTS ARE A NOTIFIABLE PEST AND SUSPECTED SIGHTING MUST BE REPORTED TO BIOSECURITY QUEENSLAND. MOVEMENT OF FIRE ANTS IS PROHIBITED UNLESS APPROVED OTHERWISE BY THE DEPARTMENT OF PRIMARY INDUSTRIES. THE CONTRACTOR SHALL ACQUIRE THE NECESSARY PERMITS TO COMPLETE THE WORKS.

LOCAL AUTHORITY:	ECONOMIC DEVELOPMENT QUEENSLAND
EDQ FILE REF NO:	DEV2012/402
RP DESCRIPTION:	LOT 908 RP819216
PARISH/COUNTY:	MACLEAN/UNDULLAH
ORIGIN:	PM107142 (RL39.078)
HORIZONTAL DATUM:	MGA

REV	DESCRIPTION	BY	SIDR	DATE
A	ORIGINAL ISSUE	LH	JH	24.07.18
B	STAGE 1Pii BOUNDARY ADDED, NOTE 15 UPDATED	LH	JH	02.05.19
C	LOTS, WATER, ELECTRICAL AND NOTES UPDATED	LH	JH	21.06.19
D	TRENCHSTOP REQUIREMENTS & SPACING ADDED	KC	JH	02.09.19
E	SEWER & DRAINAGE LAYOUT AMENDED	HS	RKB	01.07.20
F	AS CONSTRUCTED	LB	AM	15.02.21

5 0 5 10 15 20 25m
1 : 500 (FULL SIZE A1)

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PETER GARRETT
RPEQ 23609

Approved by, for and on behalf of Meinhardt

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CLIENT: PEET FLAGSTONE CITY Pty. Ltd.

PROJECT: FLAGSTONE CITY - STAGE 1Pi

ECONOMIC DEVELOPMENT QUEENSLAND

TITLE: WATER RETICULATION LAYOUT PLAN

STATUS: AS CONSTRUCTED

DESIGNED	DRAWN	APPROVED	DATE	SCALE @ A1	SHEET
NM	LH	JH	24.07.18		1 OF 1

PROJECT No 118576 | DRAWING No C1-S1P-CIL-500 | REV F

DWG FILE: K:\Projects\118576 - Flagstone Stage 1P\Acad\C1-S1P-CIL-500\WATER RETICULATION LAYOUT1.dwg - MH PLOT TIME: 15 Feb 2021, 10:42am