

**1** TYPICAL UTILITIES CONNECTION LAYOUT  
SCALE N.T.S.

**NOTES:**

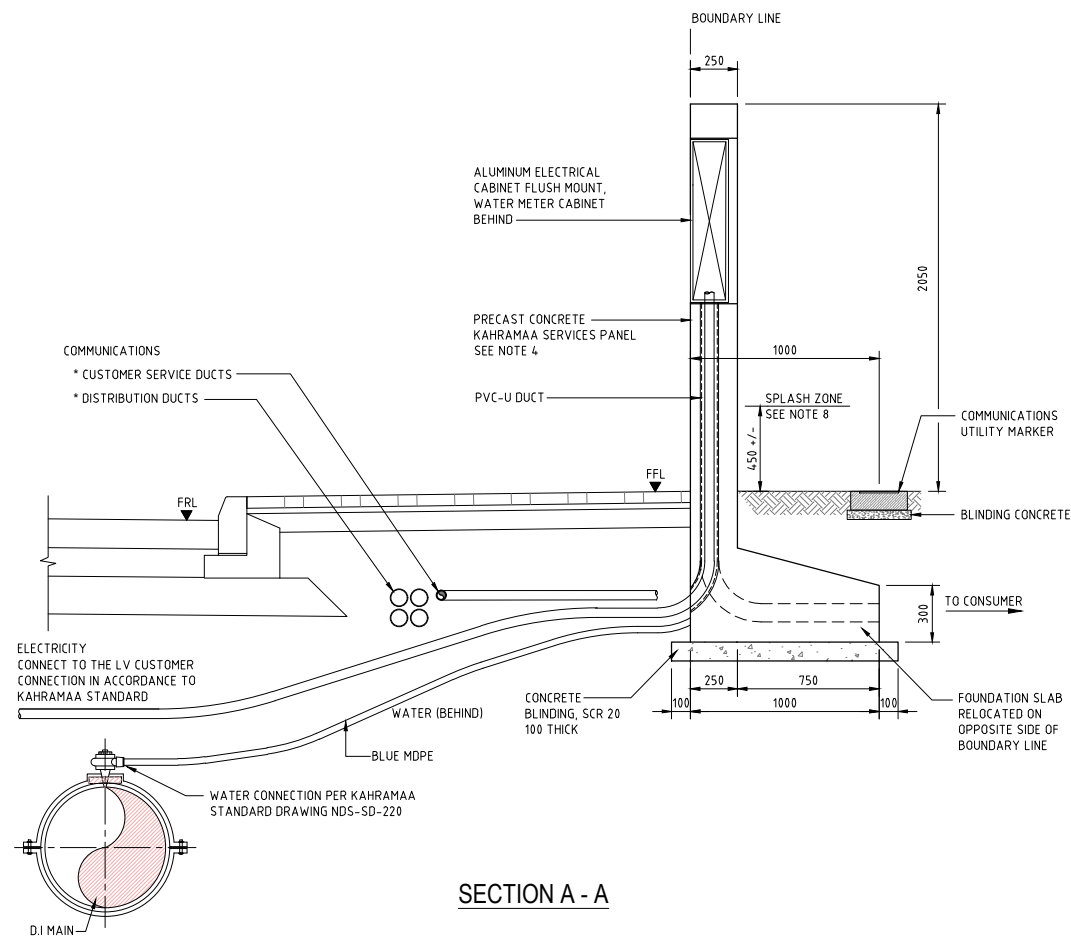
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT Q.C.S. UNLESS OTHERWISE AGREED WITH THE ENGINEER.
3. PRECAST CONCRETE SERVICE PANEL TO BE INCORPORATED INTO FUTURE BOUNDARY WALL OR REPLACED BY FUTURE BOUNDARY WALL.
4. SEE KAHRAMAA STANDARD DRAWINGS STD-PCP-01 AND STD-PCP-02 FOR PRECAST CONCRETE PANEL FOR ELECTRIC AND WATER SERVICE CABINET.
5. INSTALL MAIN CIRCUIT BREAKER FOR ELECTRICAL SERVICE TERMINATION IN CABINET. FOR MORE INFORMATION, SEE KAHRAMAA "REGULATION FOR THE INSTALLATION OF ELECTRICAL WIRING, ELECTRICAL EQUIPMENT AND AIR CONDITIONING EQUIPMENT".
6. INSTALL STOP VALVE AND CAP FOR WATER SERVICE TERMINATION IN CABINET. FOR MORE INFORMATION, SEE KAHRAMAA "REGULATIONS OF INTERNAL WATER INSTALLATIONS AND CONNECTION WORKS".
7. DETAIL DEPICTS TYPICAL UTILITY CONNECTIONS FOR A TYPICAL VILLA (200 AMP SERVICE), SEE KAHRAMAA SPECIFICATIONS FOR REQUIRED CABINET, WIRE, PIPE AND CONDUIT SIZES.
8. ALL SURFACES OF FOUNDATION AND PANEL BELOW SPLASH ZONE TO BE PROTECTED WITH EPOXY COATING OR APPROVED EQUIVALENT. SURFACES ABOVE SPLASH ZONE TO BE PAINTED WITH TWO COATS OF MASONRY PAINT. COLOUR AS AGREED WITH THE ENGINEER.
9. LOCATION OF UTILITY PANELS ARE AS PER DETAILS SHOWN UNLESS OTHERWISE SPECIFIED IN THE UTILITY CONNECTION SCHEDULE.
10. ELEVATION OF KAHRAMAA SERVICES PANEL TO BE SET ACCORDING TO THE FINISHED LEVEL OF THE ADJACENT PAVED SURFACE.
11. PRECAST CONCRETE SERVICE PANELS MAY BE MANUFACTURED WITH WATER AND ELECTRICAL SERVICE CABINETS MIRRORRED TO SUIT SITE CONDITIONS SUBJECT TO THE APPROVAL OF THE ENGINEER.
12. CONNECTION FROM ELECTRIC AND WATER SERVICE CABINETS TO CONSUMER SERVICE SHALL BE AGREED WITH KAHRAMAA.

**LEGEND:**

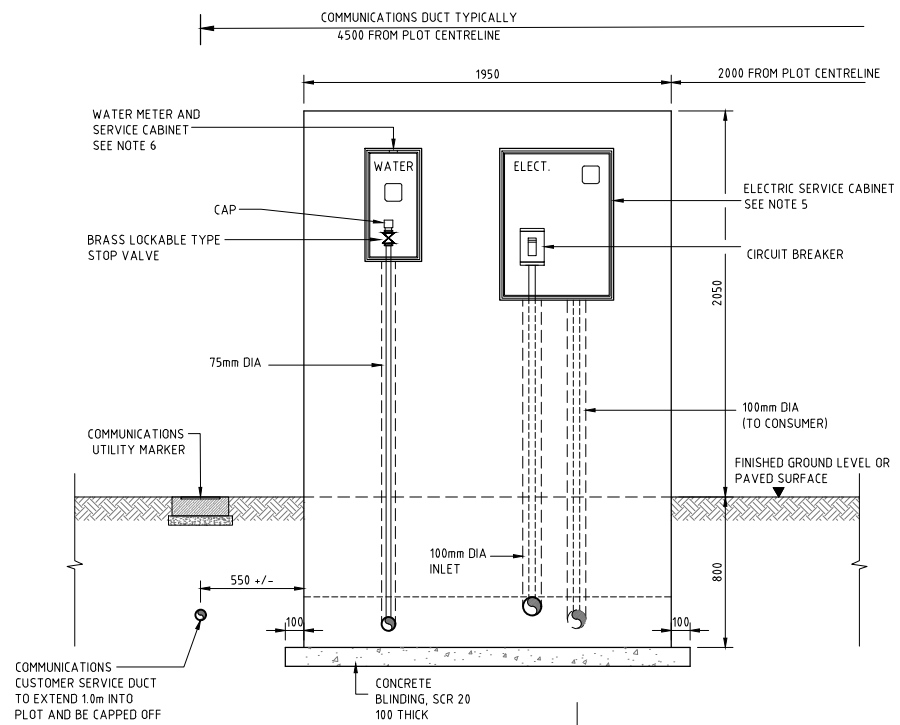
- T— TELECOMMUNICATIONS
- W— POTABLE WATER SUPPLY
- E— ELECTRICITY
- SEWERAGE

**LEGEND:**

- FFL FINISHED FOOTWAY LEVEL
- FRL FINISHED ROAD LEVEL
- PVC-U POLYVINYL CHLORIDE - UNPLASTICISED
- SRC SULPHATE RESISTANT CEMENT



**SECTION A - A**



**ELEVATION**

**2** TYPICAL SERVICE PANEL LAYOUT  
SCALE N.T.S.

2	29DEC15	DRG No. REVISED FOR QCS 2014. DRAWING AND NOTES REVISED.	
1	16FEB15	ISSUED FOR USE	
0.1	14JAN15	ISSUED FOR REVIEW	
0	14JAN15	ISSUED FOR REVIEW	
Rev.	Date	Revision Details	Appd.

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QCS Section:  
Section 6 - Road Works  
Part 14 - Works in Relation to Services

Drawing Title:

**UTILITIES  
CONNECTION DETAIL**

Approved:	Sheet No: 1 OF 1
Date: DECEMBER 2015	Scale: NTS
Drawing Number: SD 6-14-601	Revision: 2