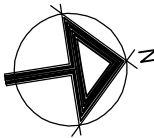
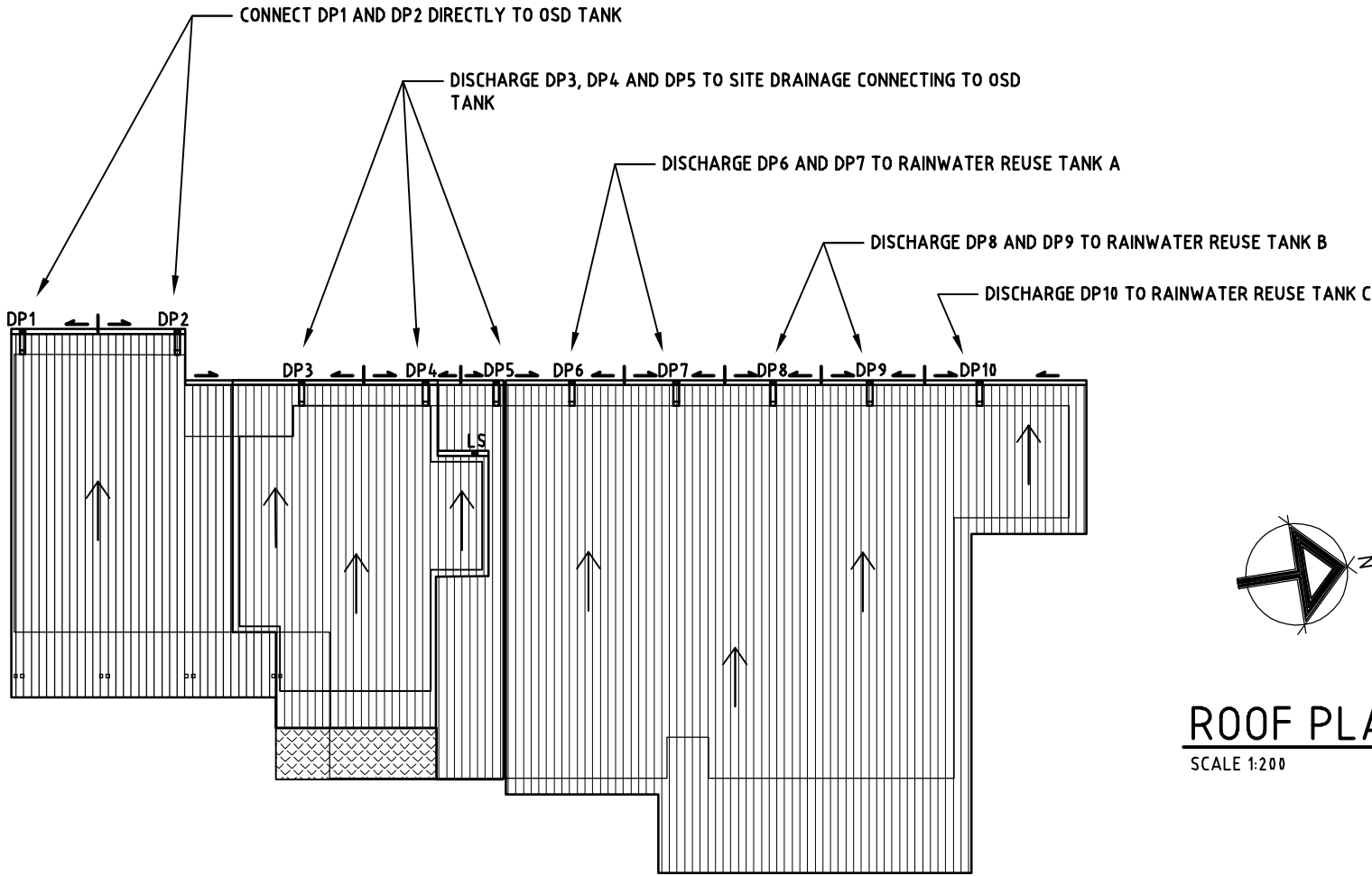


LEGEND:

	EXISTING SURFACE LEVEL (mAHD)
	RAINWATER PIPE (MIN Ø100 DWV @ 1% UNO) CHEMICALLY SEALED FOR PRESSURE FLOWS
	STORMWATER PIPE (MIN Ø100 uPVC @ 1% UNO)
	MIN 100x75 DOWNPIPE FROM EAVES GUTTER WITH MIN EFFECTIVE CROSS-SECTIONAL AREA OF 9,600mm².
	LEVEL SPREADER FROM UPPER GUTTER TO ROOF BELOW
	DIRECTION OF FALL OVER ROOF
	DIRECTION OF FLOW FROM HIGH POINT IN GUTTER
	CONCRETE/PAVED (IMPERVIOUS) SURFACE

NOTES:

REFER TO DWG 11682-C1.00 FOR SITE PLAN AND NOTES



ROOF PLAN
SCALE 1:200

SITE CALCULATIONS

SITE AREA	1017.5m²
IMPERVIOUS SURFACE AREAS	
EXISTING	234
PROPOSED	476
INCREASE IN IMPERVIOUS AREA	242m²
BASIX RAINWATER TANK REQUIREMENT	2 kL
SITE STORAGE REQUIREMENT	15 kL
PERMISSIBLE SITE DISCHARGE	7 L/s
RAINWATER STORAGE PROVIDED	15 kL
EXCESS RAINWATER STORAGE PROVIDED	13 kL
OSD STORAGE OFFSET (25%)	3.25 kL
MIN OSD STORAGE REQUIRED	11.75 kL

RAINWATER TANK SCHEDULE

TYPE	TANKWORKS 5000LT SLIMLINE OR APPROVED EQUIV		
DESIGNATION	TANK A	TANK B	TANK C
CAPACITY (L)	5000	5000	5000
HEIGHT (mm)	2020	2020	2020
WIDTH (mm)	1150	1150	1150
LENGTH (mm)	2400	240	2400
INVERT LEVEL (mAHD)	74.50	76.50	76.50
OVERFLOW LEVEL (mAHD)	76.40	78.40	78.40
CONTRIBUTING DOWNPIPES	D6, D7	D8, D9	D10

NOTE:

EACH RAINWATER TANK TO HAVE SEPARATE MIN Ø100 OVERFLOW PIPE CONNECTING DIRECTLY TO SITE DRAINAGE DISCHARGING TO OSD TANK. TANKS B AND C TO BE INTERCONNECTED, TANK A TO BE INDEPENDENT.

RAINWATER TANK CONNECTIONS

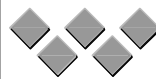
RAINWATER REUSE TANK A TO BE PERMANENTLY PLUMBED INTO TOILETS OF NEW DUAL OCCUPANCY DWELLING. SUPPLY TO BE CONNECTED VIA ONGA WATERSAVER OR APPROVED EQUIVALENT, INCORPORATING TANK WATER LEVEL SENSOR, FLOW SWITCHING MECHANISM, ISOLATION VALVES, APPROPRIATE BACKFLOW PREVENTION AND PUMP SUITABLE FOR SUPPLYING ALL HOUSEHOLD TOILETS.

RAINWATER REUSE TANKS B AND C TO BE INTERCONNECTED AT INVERT LEVEL TO ALLOW FOR BALANCING OF WATER BETWEEN TANKS AND PLUMBED TO AT LEAST ONE OUTDOOR TAP WITH SINGLE PUMP SUITABLE FOR SUPPLYING ALL OUTDOOR AND GARDEN IRRIGATION NEEDS.

The information contained on this drawing has been prepared for the exclusive use of the Client for this project. No liability or responsibility is accepted for use of this information by any third party or for any other project.

B	RAINWATER TANKS RELOCATED TO SUIT HWS AND METER BOX	KW	KW	18.09.19
A	ISSUED FOR DEVELOPMENT APPROVAL	KW	KW	17.09.19
ISSUE	DESCRIPTION	BY	APR	DATE

CHARTERED PROFESSIONAL ENGINEERS:



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PROJECT:

PROPOSED DUAL OCCUPANCY
141 POWDERWORKS ROAD
ELANORA HEIGHTS

DRAWING TITLE:

STORMWATER MANAGEMENT - SHEET 2

DESIGN: K.W. DATE: AUG 2019

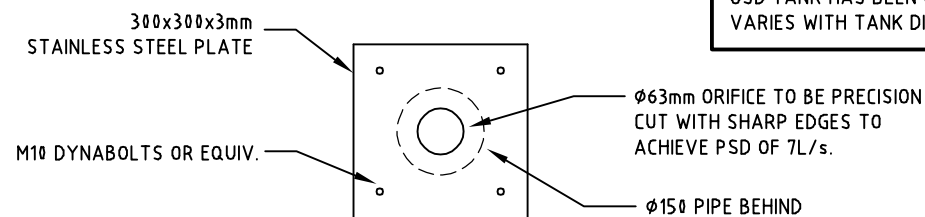
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SIGNED: SIZE A3

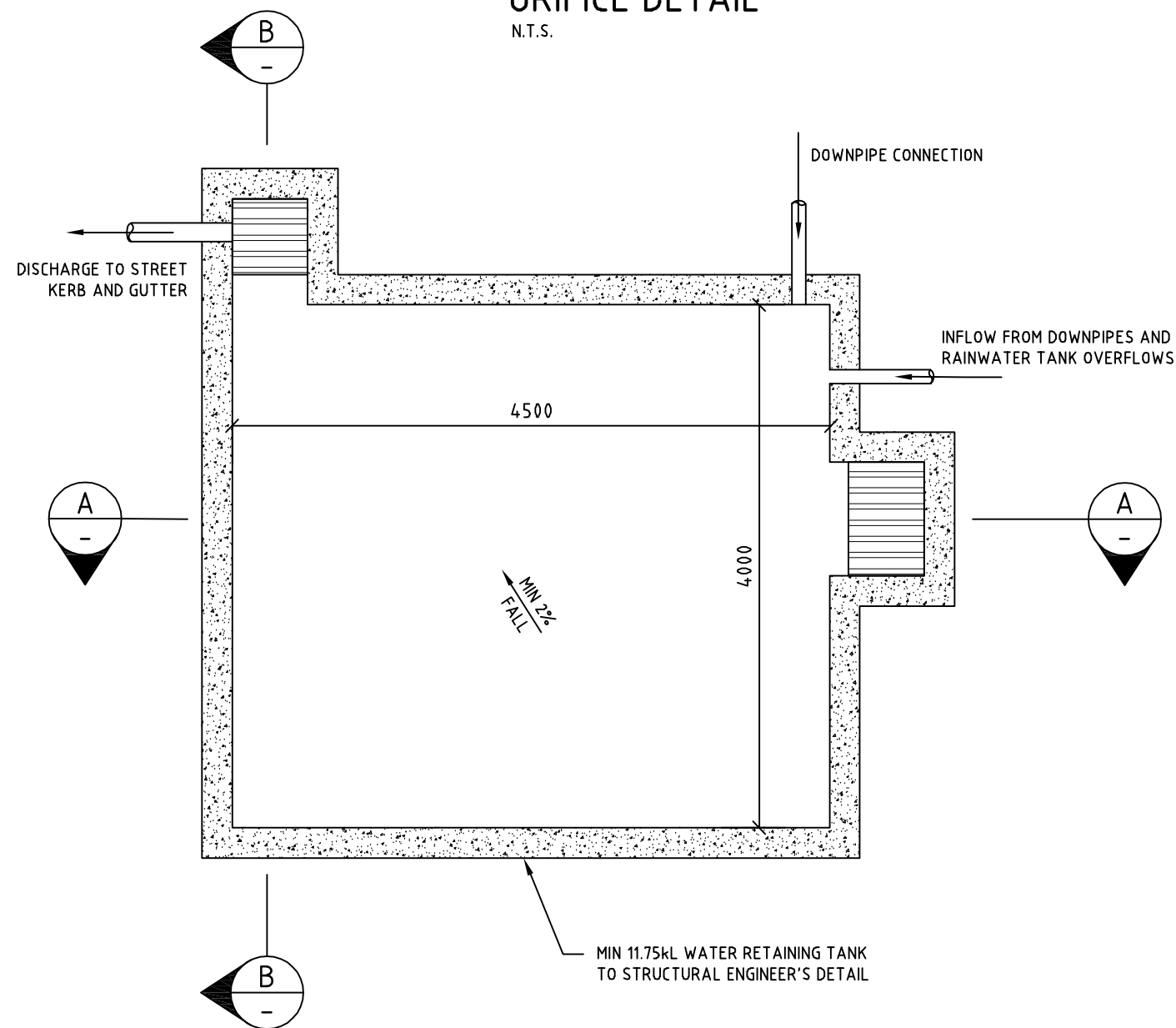
DRAWING No: REV

11682-C1.01 B



CONSULT ENGINEER TO CONFIRM ORIFICE DIMENSION ONCE
OSD TANK HAS BEEN CONSTRUCTED AS OUTLET SIZE
VARIES WITH TANK DIMENSIONS

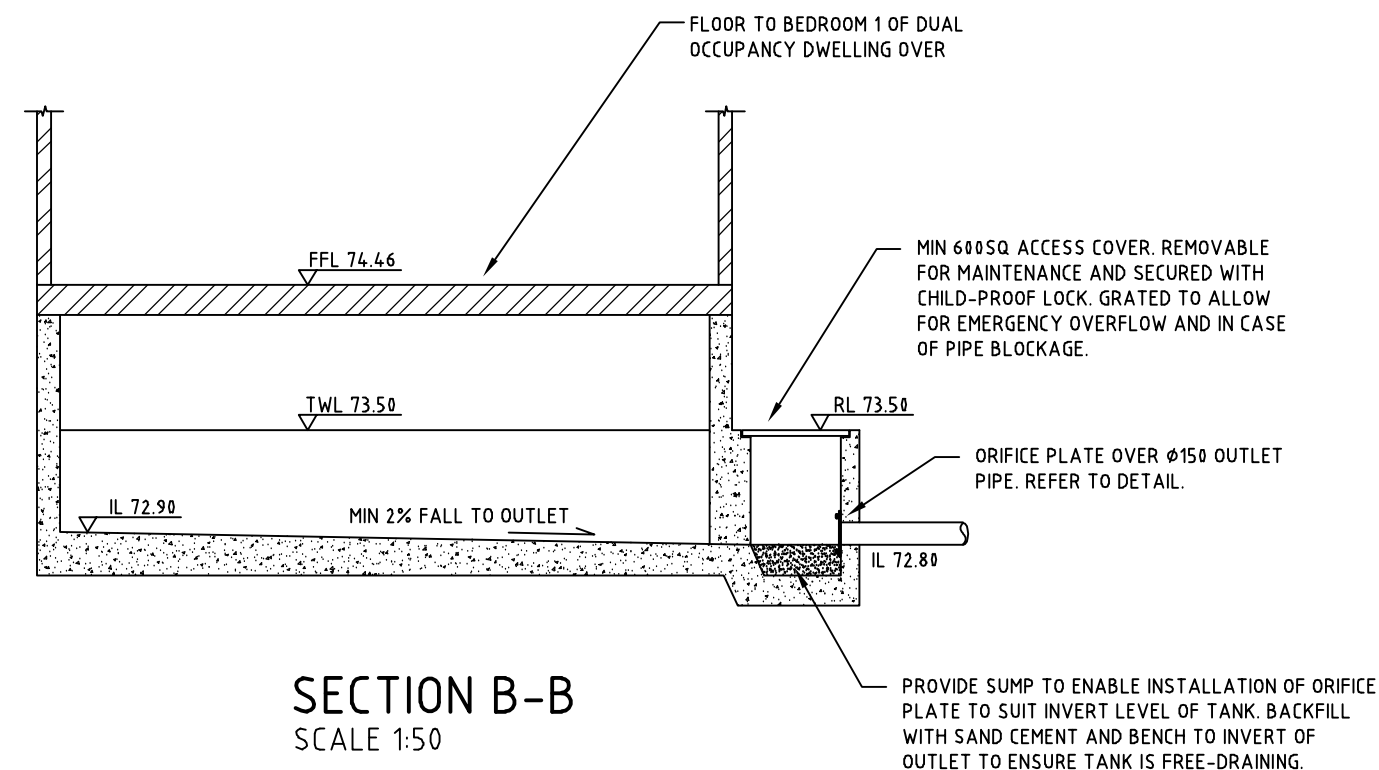
ORIFICE DETAIL
N.T.S.



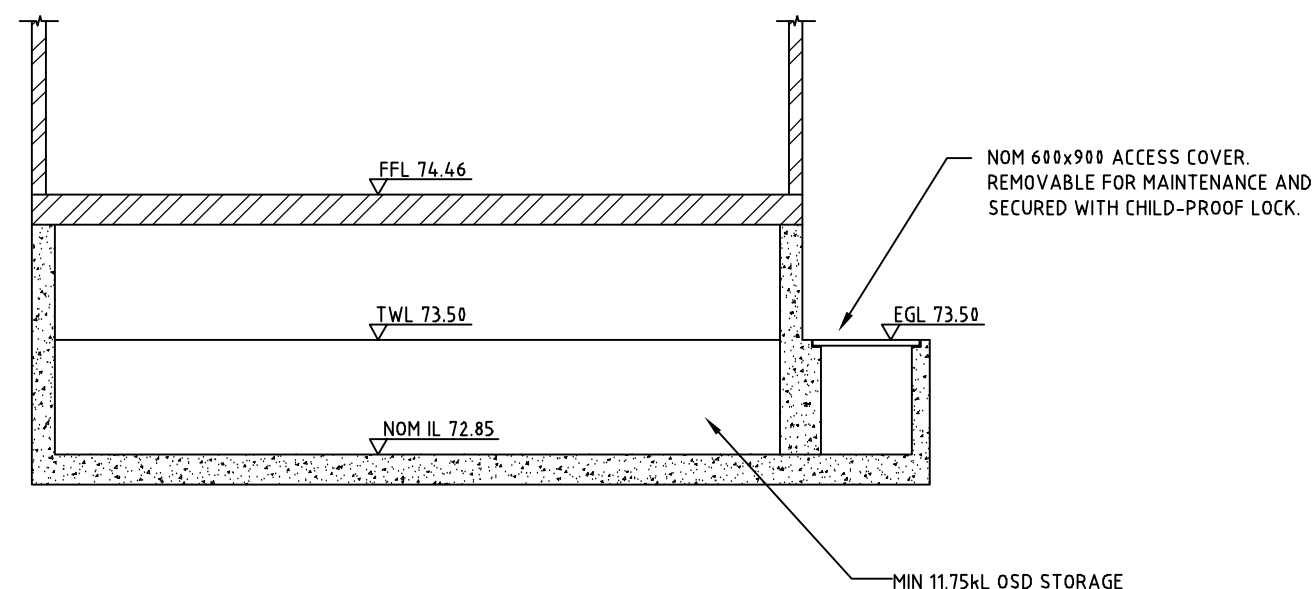
PLAN OF ON-SITE STORMWATER DETENTION (OSD) TANK
SCALE 1:50

NOTE

REFER TO DRAWING 11682-C1.00 FOR SITE PLAN AND GENERAL NOTES



SECTION B-B
SCALE 1:50



SECTION A-A
SCALE 1:50

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ISSUE	DESCRIPTION	BY	APR	DATE
B	RAINWATER TANKS RELOCATED TO SUIT HWS AND METER BOX	KW	KW	18.09.19
A	ISSUED FOR DEVELOPMENT APPROVAL	KW	KW	17.09.19

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PROJECT:

PROPOSED DUAL OCCUPANCY
141 POWDERWORKS ROAD
ELANORA HEIGHTS

DRAWING TITLE:

STORMWATER DETAILS

DESIGN: K.W.	DATE: AUG 2019
DRAWN: K.W.	SCALE: 1:200
FILENAME: 11682-C1.00 (A).DWG	SIGNED:
DRAWING No: 11682-C1.02	REV B