

GROUND FLOOR DRAINAGE PLAN

1:100 @ A1

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH) STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN. UNO. FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER SIZE = 6700 mm² MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

- DP = Ø150, UNO.
- FD = FLOOR OUTLET, REFER TO DETAIL
- SIP = SURFACE INLET PIT (NO LINTEL)
- 1000 = Ø100 CHARGED LINE
- IP = Ø150 INSPECTION POINT
- RWH = RAIN WATER HEAD
- RWO = RAIN WATER OUTLET (300 x 300)
- FG = FLOOR GULLY Ø150
- S^{DP} = RAINWATER SPREADER
- RL 6.20 = PROPOSED FINISHED SURFACE LEVEL

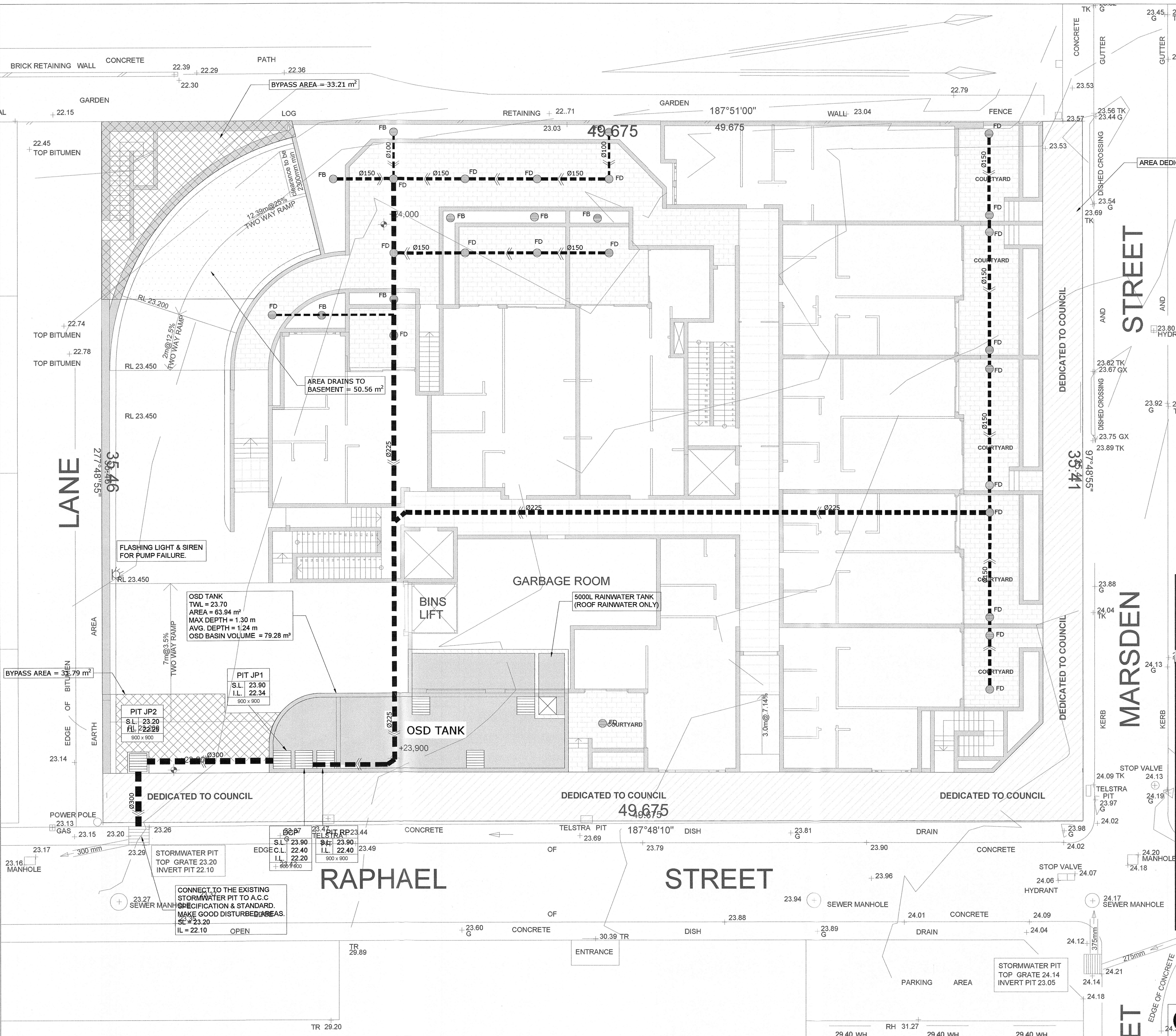


PUMP FAILURE WARNING SIGN AT BASEMENT ENTRY

NOT TO SCALE

Project	Residential development				
Site address	9-15 Raphael St, Lidcombe				
Job No	A7134				
Design by	ALPHA Engineering & Development				
Phone	(02) 9745 5202				
Catchment	Lower Haslams Cr Catchment				
SSR	325	m³/ha			
PSD	150	L/s/ha			
Site area	0.1571	ha	(A)	0.1571	ha
Basic storage Volume	51.06	m³	(B)	51.06	m³
Basic discharge	23.57	L/s	(C)	23.6	L/s
Site draining to storage	0.1506	ha	(D)	0.1506	ha
Percentage of side	95.8	%	(E)	95.8	%
Storage/hectare of contributing area	339.14	m³/ha	(F)	339.14	m³/ha
Adjust PSD	126	L/s/ha	(G)	126	L/s/ha
PSD for site	18.99	L/s	(H)	18.99	L/s
Max head to orifice centre	1.30	m	(K)	0.50	m
Diameter of orifice	0.088	m	(J)	0.088	m
Maximum discharge	18.99	L/s	(L)	11.41	L/s
Head for high early discharge	1.20	m	(M)	0.40	m
HED	18.25	L/s	(N)	10.20	L/s
HED %	96.1	%		53.7	%
Mean discharge	18.62	L/s	(P)	10.80	L/s
Average Discharge per hectare	123.7	L/s/ha	(Q)	71.76	L/s/ha
SSR	344	m³/ha	(R)	512	m³/ha
Final SSR	51.80	m³	(S)	77.11	m³
Total volume provided	79.28	m³	153%	79.28	m³

CONCEPT PLAN FOR DA APPROVAL



REVISION	AMENDMENT	ISSUE DATE	ISSUE
D	AMENDED AS PER LATEST ARCHITECTURAL PLAN	25-09-2017	
C	ISSUED FOR DA APPROVAL	26-06-2017	
B	ISSUED FOR DA COORDINATION	07-06-2017	
A	ISSUED FOR COORDINATION	30-05-2017	

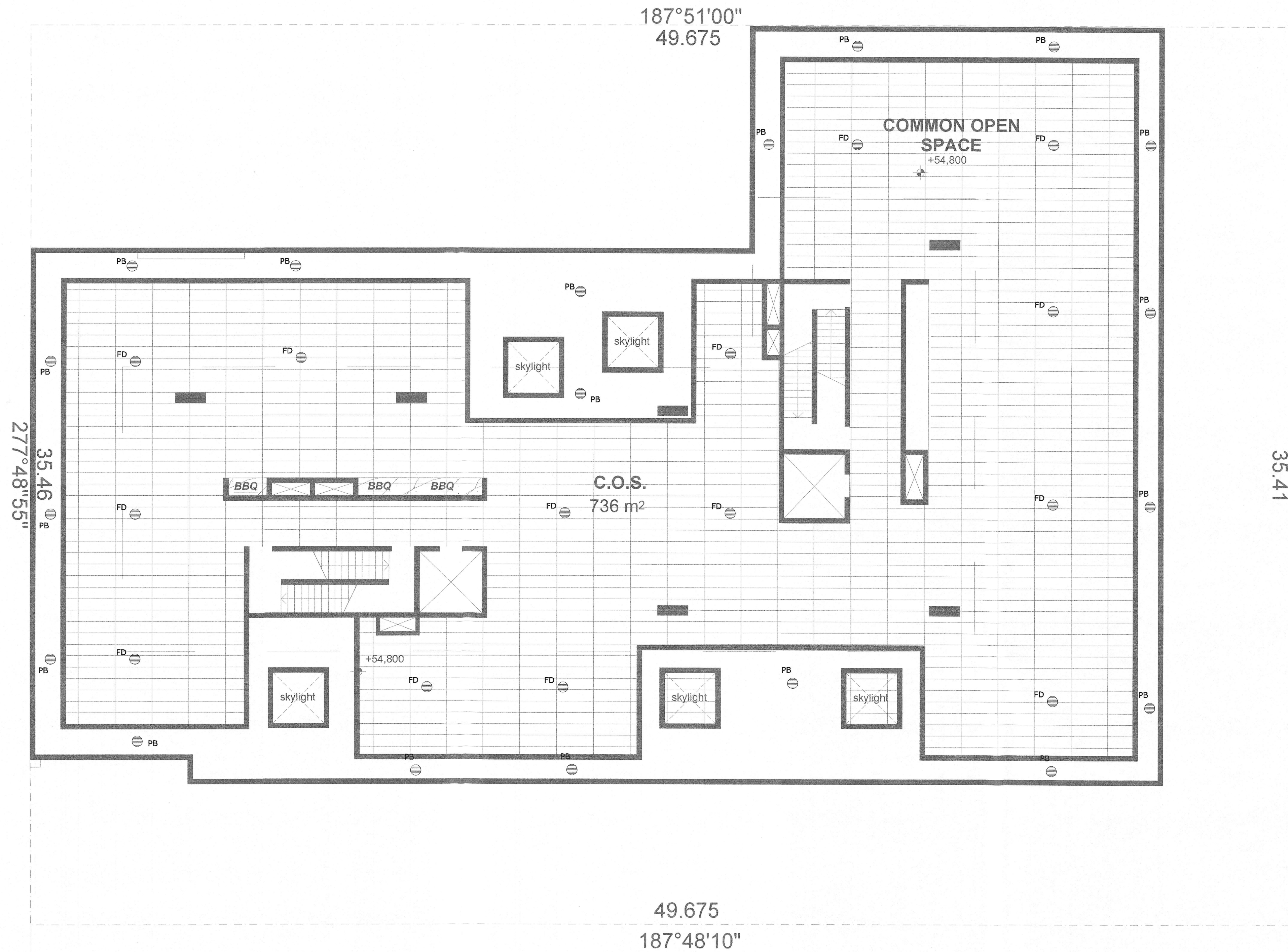
ALPHA

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ARCHITECT	PROJECT	DRAWING TITLE		
URBANLINK	PROPOSED DEVELOPMENT 9-15 RAPHAEL STREET, LIDCOMBE	GROUND FLOOR DRAINAGE PLAN		
		SCALES AS SHOWN	DESIGNED MD	DRAFTED SY
		DRAWING NO. A7134 - SW06	APPROVED JM	REVISION D



LEVEL 9 & ROOF DRAINAGE PLAN
1:100 @ A1

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ARCHITECT

URBANLINK

architecture

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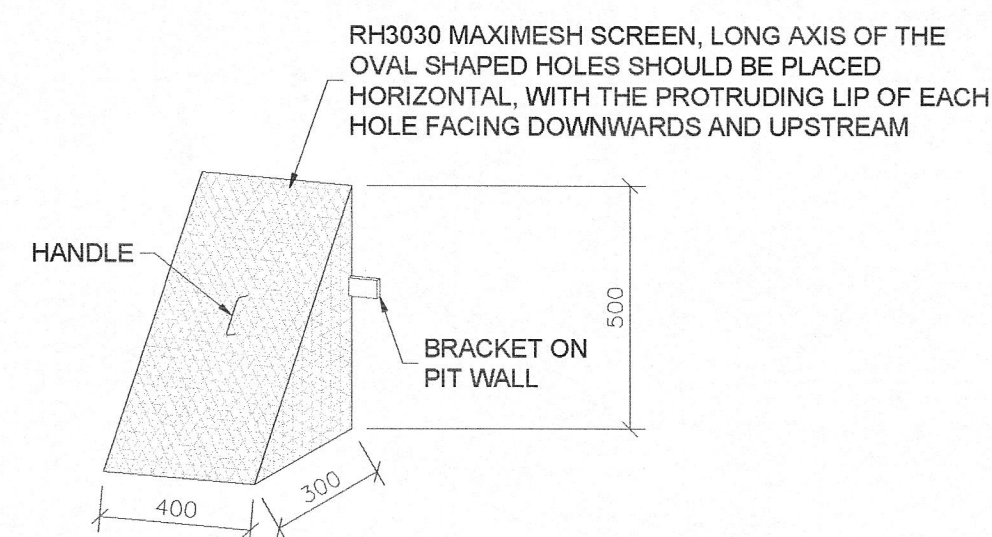
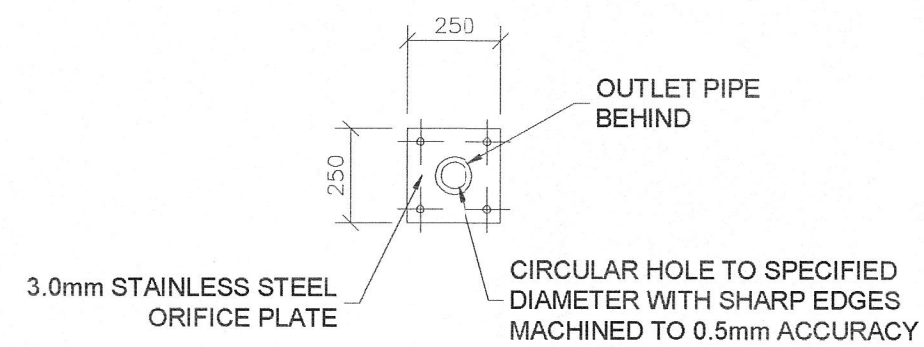
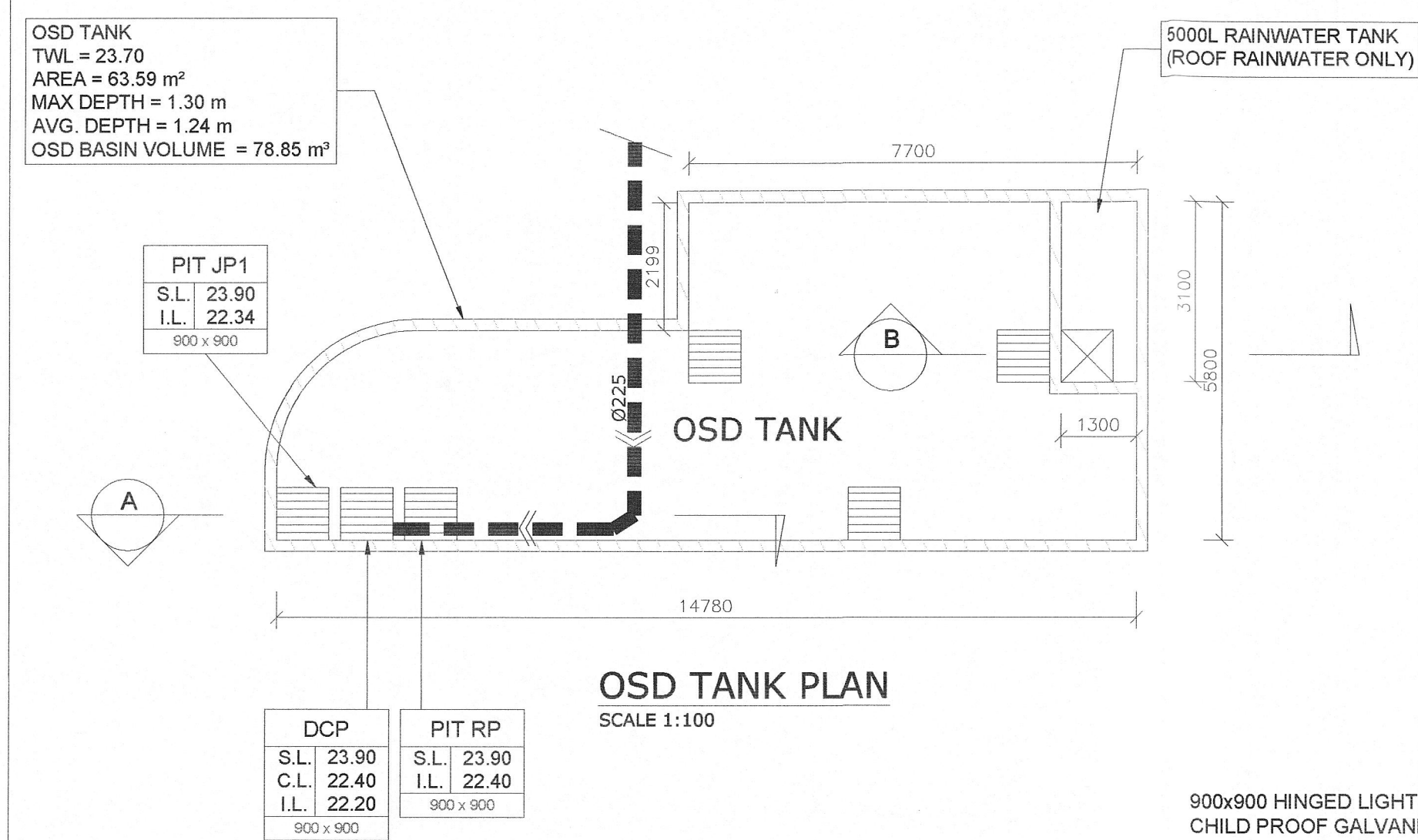
Phone (02) 9745 2014 Fax (02) 9745 0984

Email info@urbanlink.com.au

PROJECT

PROPOSED DEVELOPMENT
9-15 RAPHAEL STREET,
LIDCOMBE

DRAWING TITLE		
LEVEL 9 & ROOF DRAINAGE PLAN		
SCALES AS SHOWN	DESIGNED MD	DRAFTED SY
DRAWING NO. A7134 - SW07	APPROVED JM	REVISION D

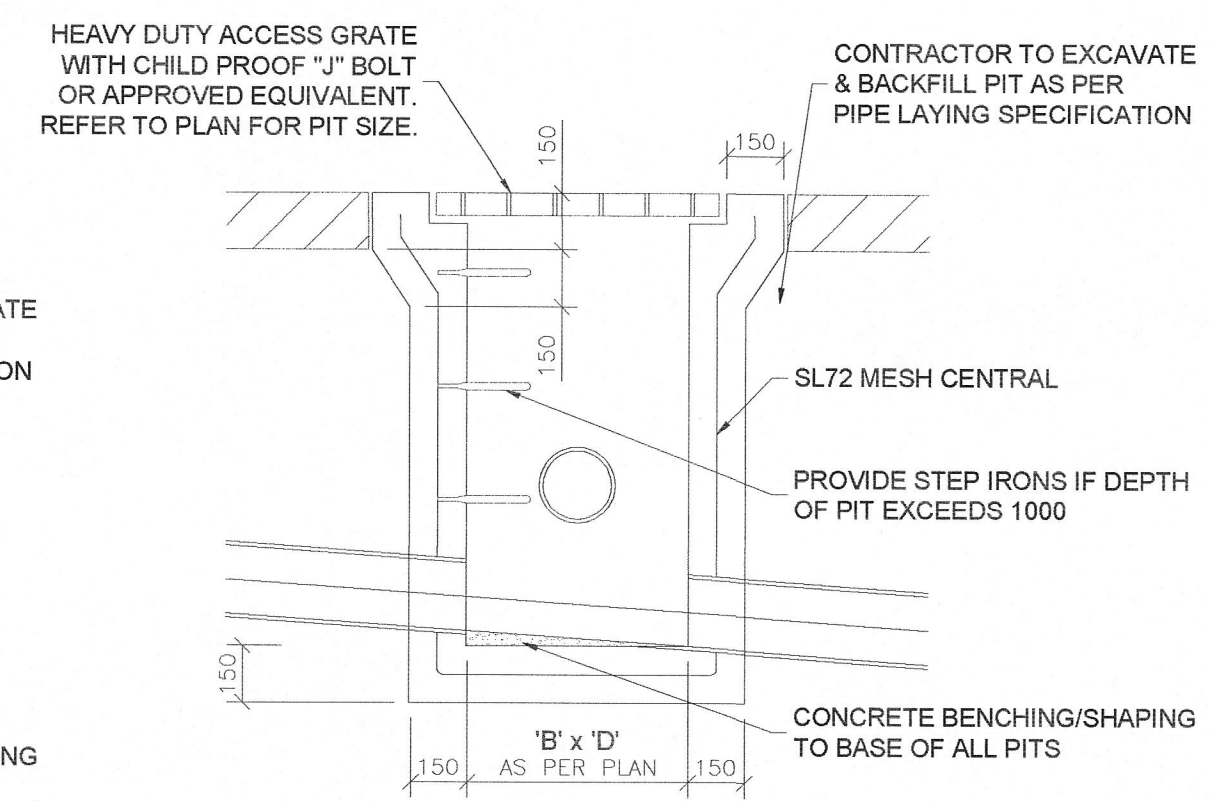
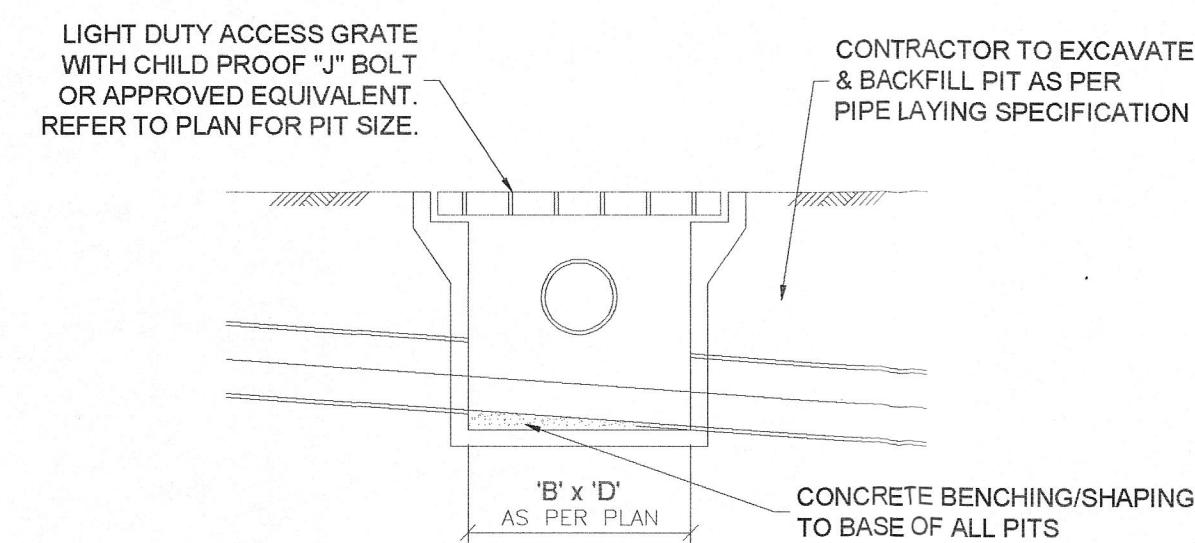
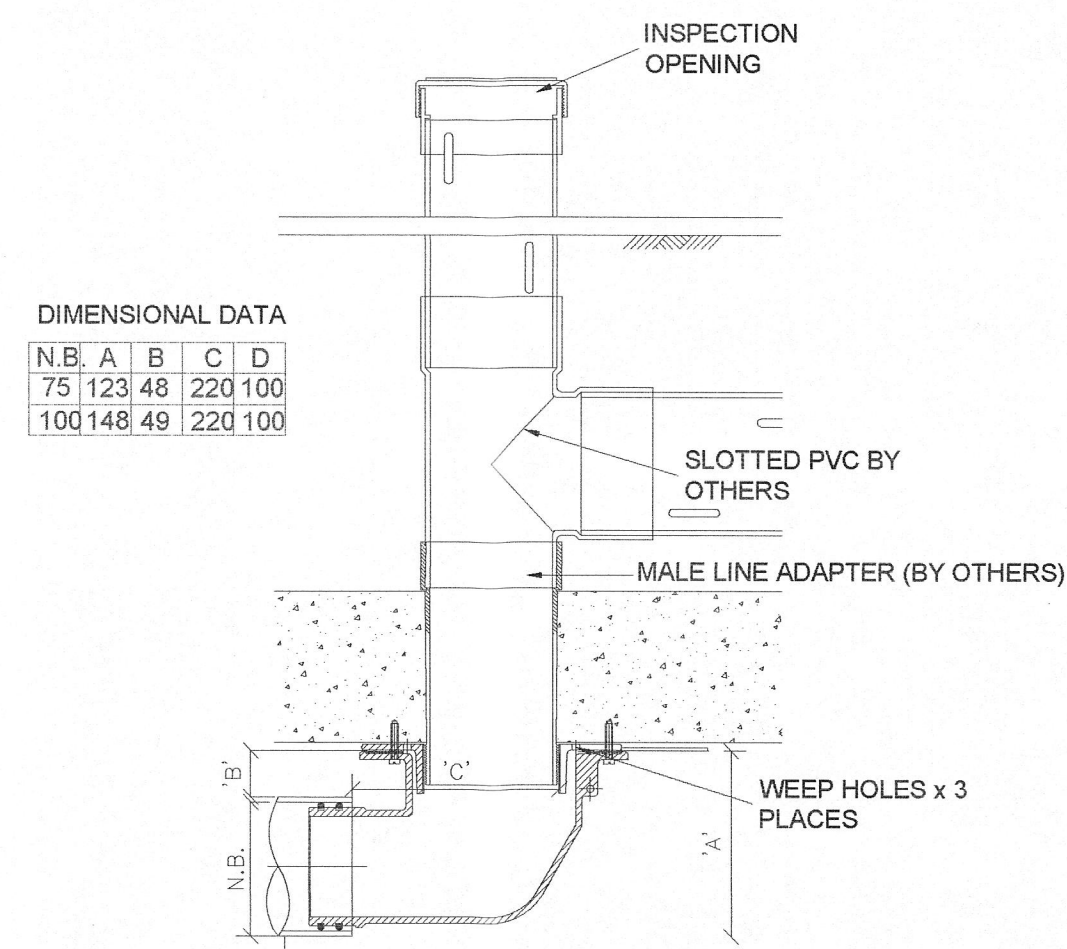
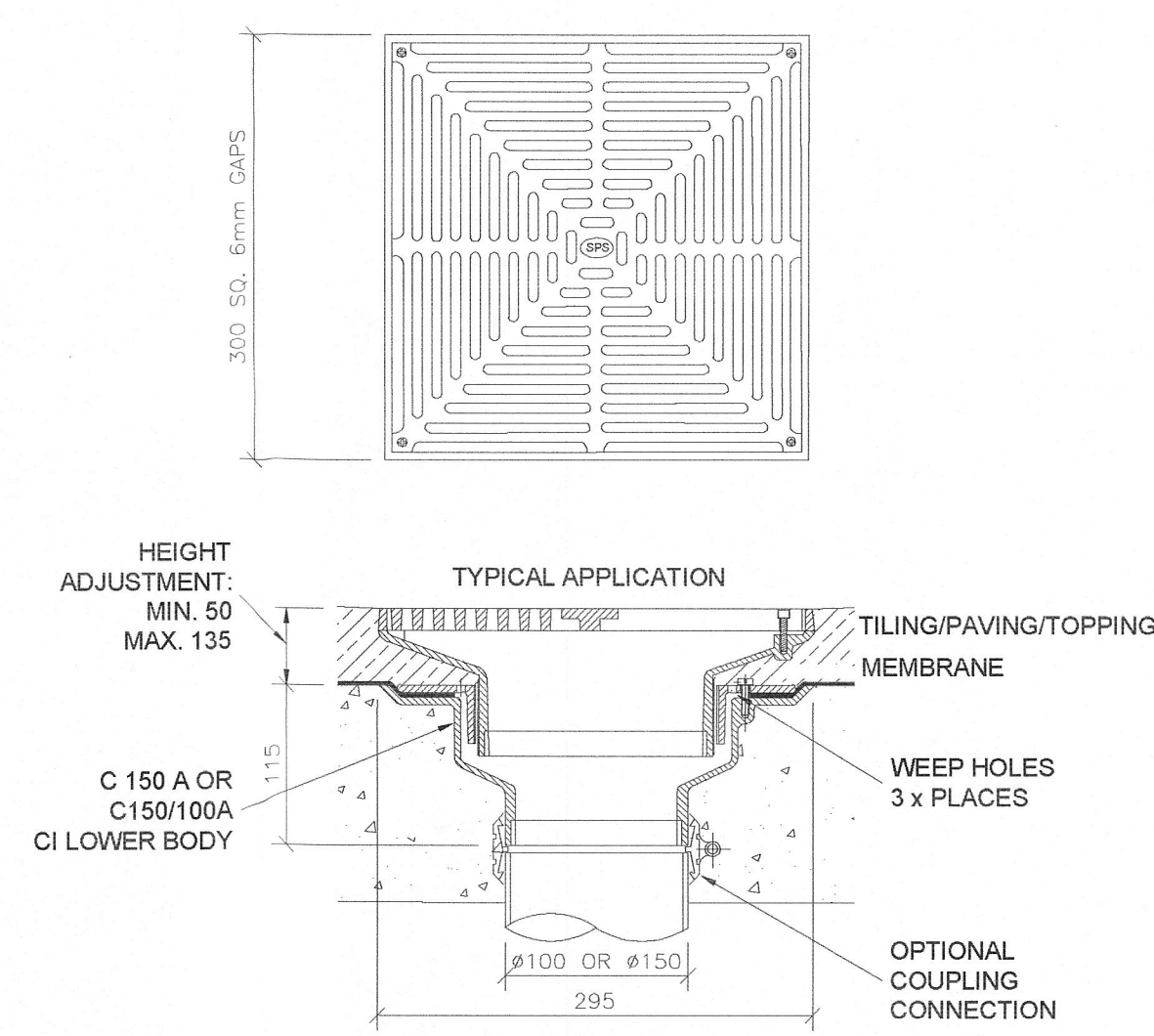
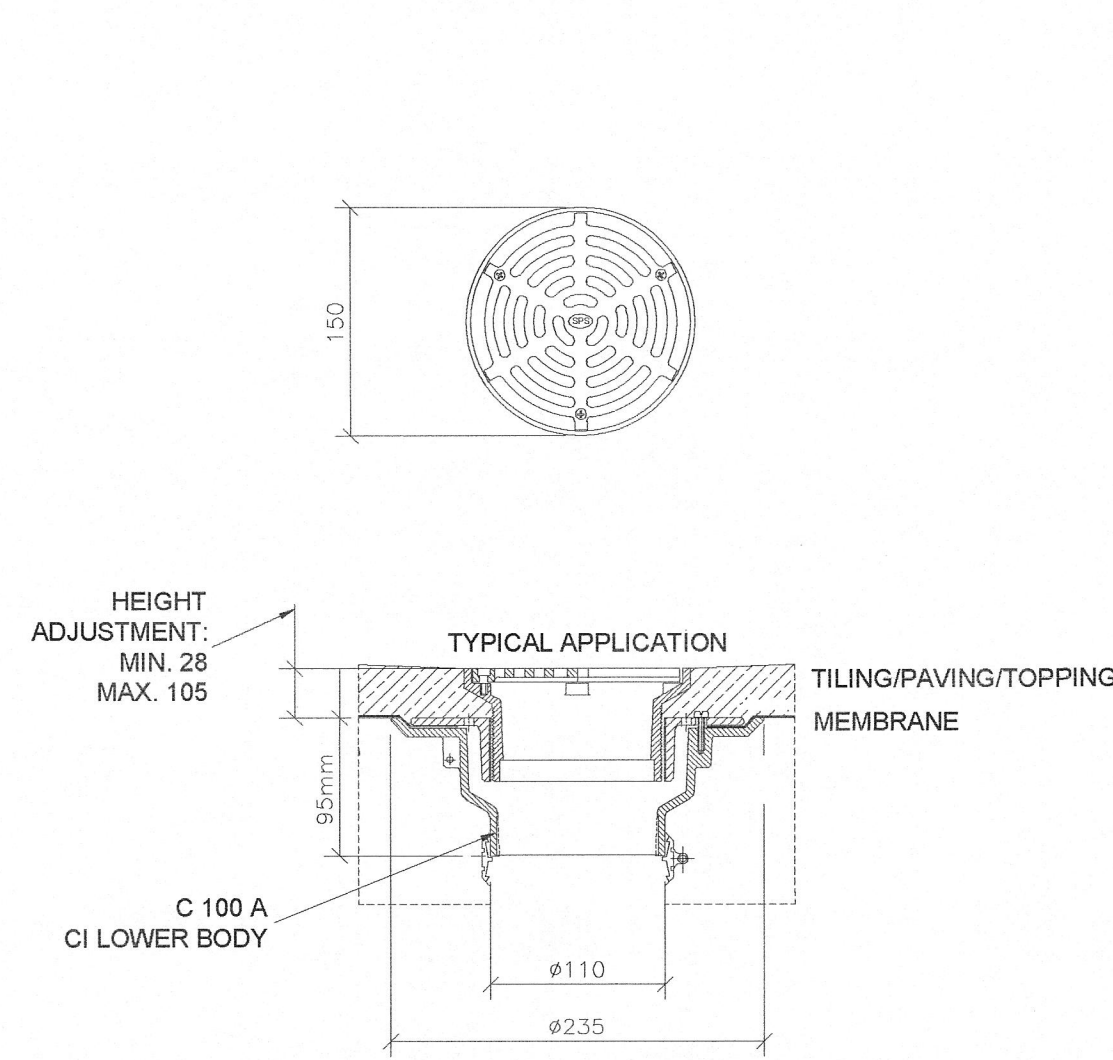
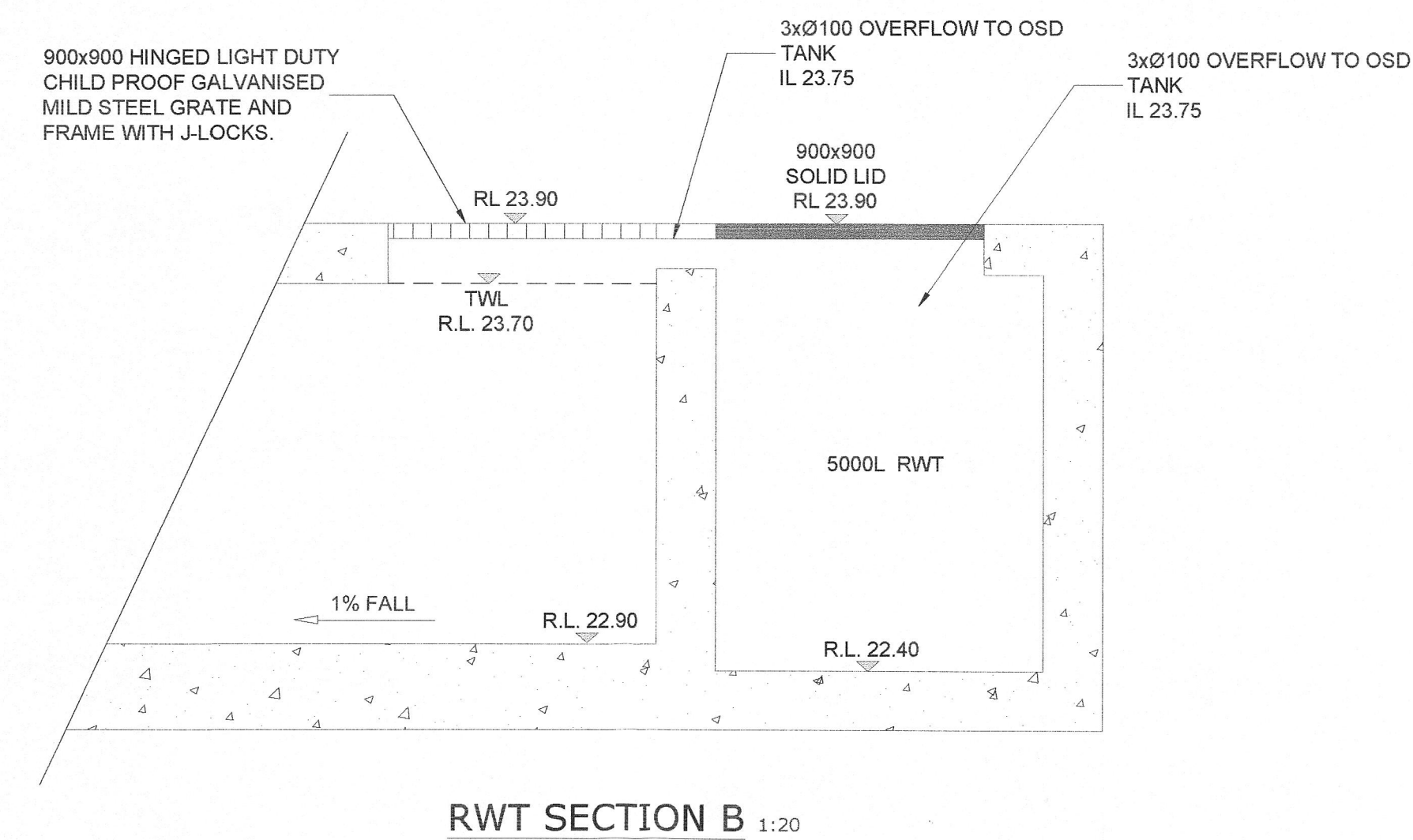
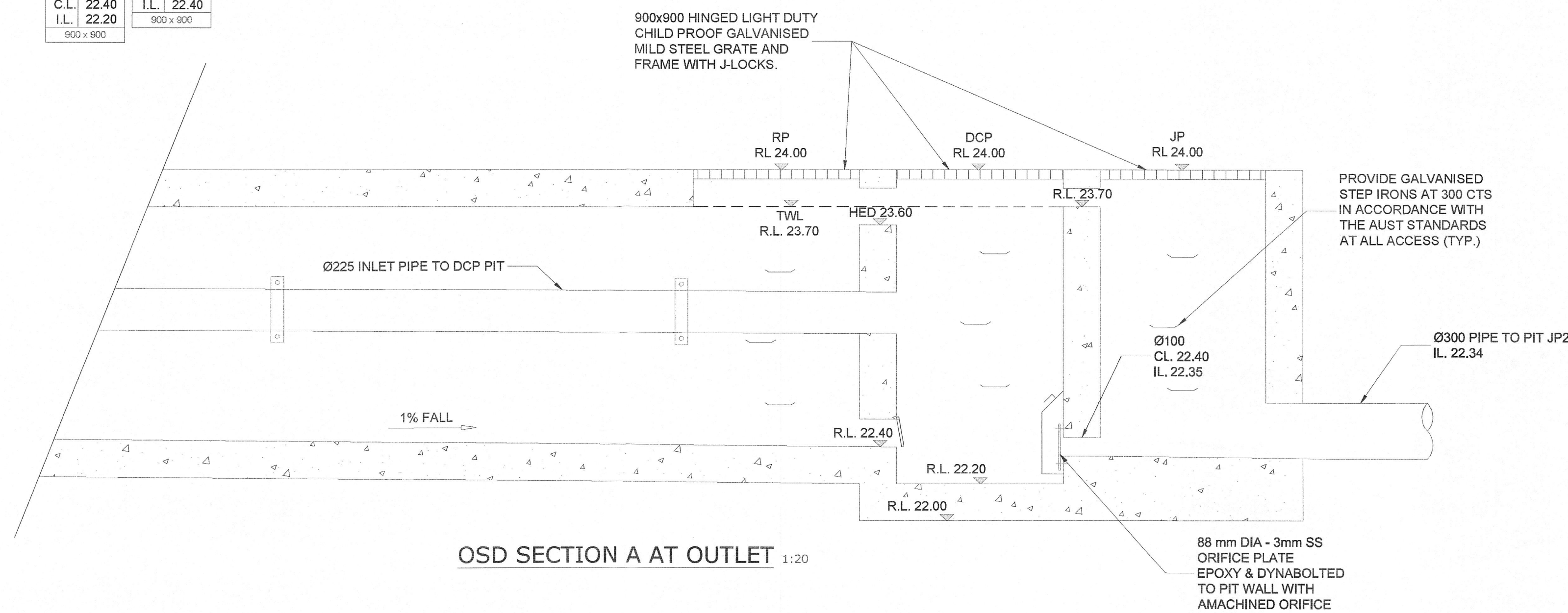
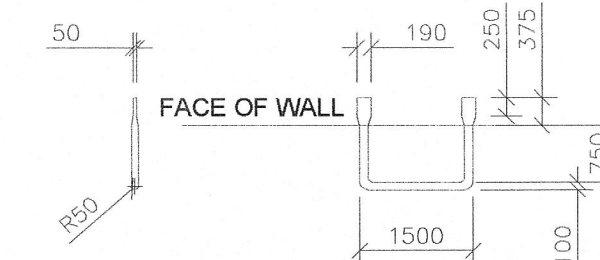


THIS IS AN
**ON-SITE STORMWATER
DETENTION SYSTEM**
REQUIRED BY YOUR LOCAL COUNCIL

IT IS AN OFFENCE TO REDUCE THE VOLUME OF THE
TANK OR BASIN OR TO INTERFERE WITH THE
ORIFICE PLATE THAT CONTROLS THE OUTFLOW

THE BASE OF THE OUTLET CONTROL PIT AND THE
DEBRIS SCREEN MUST BE CLEANED OF DEBRIS AND
SEDIMENT ON A REGULAR BASIS BY THE OWNER

THIS PLATE MUST NOT BE REMOVED



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PROJECT

PROPOSED DEVELOPMENT
9-15 RAPHAEL STREET,
LIDCOMBE

DRAWING TITLE

STORMWATER SECTIONS AND DETAILS

SCALES
AS SHOWN

DRAWING NO.
A7134 - SW08

DESIGNED
MD

APPROVED
JM

DRAFTED
SY

REVISION
D