

- EASEMENT TO DRAIN WATER 1 WIDE (DP 614241 & DP 712744)
- (B) - EASEMENT TO DRAIN WATER 1.8 WIDE (DP 614241)
- (C) - EASEMENT FOR SEWERAGE PURPOSES OVER EXISTING LINE OF PIPES (DP 712744)
- (D) - RIGHT OF WAY AND EASEMENT FOR SERVICES 5 WIDE(DP 873902)

STORMWATER LAYOUT NOTES

- 1) PITS DEEPER THAN 600mm TO BE 600 X 900 W, ELSE 375 SQ U.N.O.
- 2) ALL PIPES TO HAVE 1% MIN. GRADE U.N.O.
- 3) ALL DOWNPIPES TO BE 100 X 50 BOX or 90 Ø. 4) PIPES TO BE U.P.V.C. OR STORMWATER PIPE TO A.S.1254.
- 5) PITS TO BE STANDARD PRECAST CONCRETE PITS OR BRICK RENDERED WITH CONCRETE HEAVY DUTY GRATES SIZED
- 6) NO SEWER VENTS, GULLY PITS OR SIMILAR TO BE LOCATED BELOW THE MAXIMUM WATER SURFACE LEVEL IN DETENTION
- 7) PERSONS UTILISING THIS PLAN FOR ANY PURPOSES SHALL VERIFY THE DATUM & RESPECTIVE LEVELS PRIOR TO

- COMMENCING ANY WORKS & NOTIFY THE ENGINEER OF ANY DISCREPANCIES
- 8) DRIVEWAY LEVELS PROVIDED FOR DRAINAGE DESIGN PURPOSES ONLY. LEVELS MAY BE ADJUSTED TO SUIT FINAL HOUSE CUT/FILL CONDITIONS BUT NEED TO MAINTAIN INTENT OF DRAINAGE SYSTEM, ENGINEER TO BE CONSULTED
- PRIOR TO CONSTRUCTION TO ENSURE INTENT MAINTAINED. 9) END OF EXISTING DRAINAGE LINE TO BE EXPOSED & LEVELS CONFIRMED BY BUILDER PRIOR TO COMMENCEMENT OF WORKS
- 10) BUILDERS TO ENSURE SERVICES CONNECTIONS TO HOUSE DO NOT CONFLICT WITH DRAINAGE DESIGN REQUIREMENTS.
- 11) ALL WORKS TO BE CONSTRUCTED TO GOOD BUILDING
- PRACTICE & MATERIALS TO MEET ACCEPTED SPECIFICATIONS.

	LEGEND		
P1	PIT LABEL	G.F.L.	GARAGE FLOOR LEVEL
	SUMP PIT	* 0.00	EXISTING REDUCED LEVEL
E	300x300 FLOOR GULLY	• R.L 157.00	PROPOSED REDUCED LEVEL
\$	100/150 Ø GARDEN GULLY	■ DP	DOWNPIPE
-> -	DRAINAGE PIPE	⇒ SP	SPITTER/SPREADER
	AERIAL PIPE	©	CLEANING EYE
S.L.	SURFACE LEVEL	**********	SEDIMENT FENCE
I.L.	INVERT LEVEL	— AG — AG —	AG LINE
F.F.L.	FINISHED FLOOR LEVEL	\Longrightarrow	OVERLAND FLOW

BELOW GROUND DETENTION TANK

SHOWN HATCHED MAX POOL RL = 85.55 MAX DEPTH = 1000mm **VOLUME STORED** = 8.00 m3 **VOLUME REQUIRED** = 8.00 m3

> LENGTH = 3800mm **WIDTH** = 2200mm AVERAGE DEPTH = 955mm **VOLUME STORED** = 8.00 m3

DRAINAGE REQUIREMENT TO WC POLICY

SITE AREA = 876 m2 **EFFECTIVE LOT AREA** = 701 m2 MINIMUM STORAGE = 200 m3/ha MAXIMUM DISCHARGE = 400 l/s/ha REQUIRED STORAGE = 14.0 m3PERMITTED DISCHARGE = 28.0 l/s**RAINWATER TANK** = 6.14 m3 ON SITE DETENTION STORAGE = 8.00 m3PROVIDED STORAGE = 14.1 m3 UNCONTROLLED DISCHARGE = 8.00 l/s

= 20.0 l/s

CONTROLLED DISCHARGE



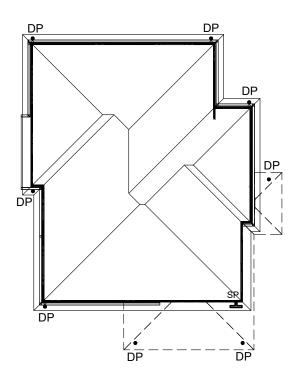
PIPE SCHEDULE

TAG	SIZE	MATERIAL	GRADE	DESCRIPTION
'A'	100 Ø	P.V.C	1% MIN	REGULAR GRAVITY PIPE
'B'	150 Ø	P.V.C	1% MIN	REGULAR GRAVITY PIPE
'X'	100 Ø	P.V.C	CHARGED	TO FEED RAINWATER TANK
'F'	100 Ø	P.V.C	1% MIN	FLUSHING LINE - CAPPED END

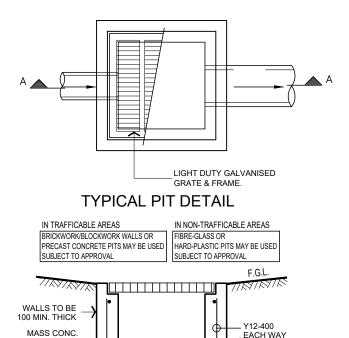


ROJECT: PROPOSED RESIDENTIAL DWELLING AT LOT 174, # 122 CLONTARF STREET, NORTH BALGOWLAH DRAWING: SITE STORMWATER MANAGEMENT LAYOUT DESIGNED DRAWN CHECKED

A.W N.W ISSUED FOR DEVELOPMENT APPLICATION 17/06/21



ROOF & FIRST FLOOR LAYOUT



TYPICAL SECTION A

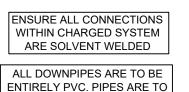
BASE TO BE

OUTLET PIPE

BENCHING

TO OUTLET

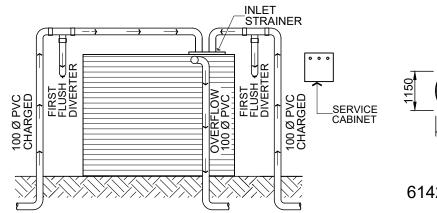
INLET PIPE



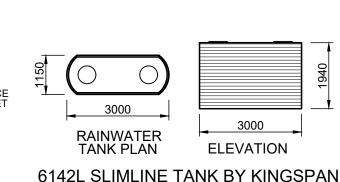
ROOF GUTTERS I.L. 89.60 TANK INLET I.L. 87.10 HEAD PRESSURE - 2500mm

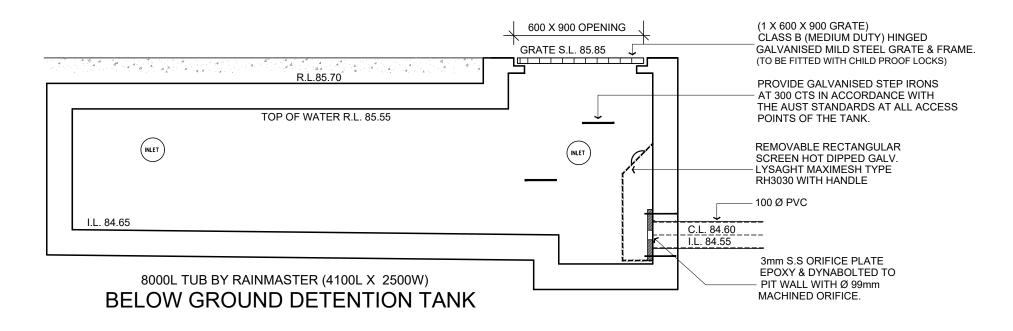
BE SEALED UPTO U/S OF

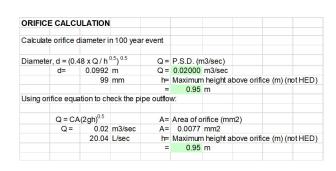
ROOF GUTTERS

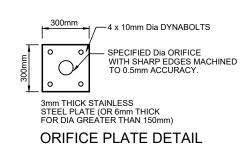


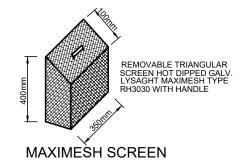
RAINWATER TANK CONFIGURATION













TO BE PLACED AT ALL TANK ACCESS GRATES



PROJECT: PROPOSED RESIDENTIAL DWELLING AT LOT 174, # 122 CLONTARF STREET, NORTH BALGOWLAH ING: ROOF LAYOUT & GENERAL DETAILS

ESIGNE	D DRAWN	CHECKED:	ANDREW L WAHBE - BE (CIVIL) M	IIEALIST PENG
A.W	N.W	DRAWINGS NOT	TO BE USED FOR CONSTRUCTION UNLESS SIGNED BY DESIG	
Α	ISSUE	D FOR DEVE	ELOPMENT APPLICATION	17/06/21
SSUE	REVISIO	NI DESCRIPTIO	N	APPR DATE