



SITE STORMWATER MANAGEMENT LAYOUT

SCALE 1:200/A3

ORWELL STREET

GRATED DRAIN
S.L. 74.85
I.L. 74.70
225 WIDE

PIT P1
S.L. 74.75
I.L. 74.46
350x350

PIT P2
S.L. 74.75
I.L. 74.30
350x350

PIT P3
S.L. 74.50
I.L. 74.10
450x450
CLEAN-OUT PIT

PIT P4
S.L. 74.00
I.L. 73.60
450x450
CLEAN-OUT PIT

PIT P5
S.L. 74.50
I.L. 74.20
350x350

EX PIT
S.L. 73.56
I.L. 71.72

COUNCIL RESERVE

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

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 AS PITS PER PLAN.
- 6) NO SEWER VENTS, GULLY PITS OR SIMILAR TO BE LOCATED BELOW THE MAXIMUM WATER SURFACE LEVEL IN DETENTION BASINS.
- 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 - PIT SIZE REFERS TO GRATE DIMENSIONS	• 0.00	EXISTING REDUCED LEVEL
	300x300 FLOOR GULLY	• R.L. 157.00	PROPOSED REDUCED LEVEL
	100/150 Ø GARDEN GULLY	■ DP	DOWNPIPE
	DRAINAGE PIPE	└ SP	SPITTER/SPREADER
	AERIAL PIPE	○ CE	CLEANING EYE
S.L.	SURFACE LEVEL	+++++	SEDIMENT FENCE
I.L.	INVERT LEVEL	— — — — —	AG LINE
F.F.L.	FINISHED FLOOR LEVEL	→	OVERLAND FLOW



RAINWATER TANK
AS SHOWN ON PLAN

PROVIDE A RAINWATER TANK
3000L IN CAPACITY TO SUIT
ALL BASIX REQUIREMENTS.
TANK TO BE CONNECTED AS
SPECIFIED IN BASIX REPORT.

ENSURE ALL CONNECTIONS
WITHIN CHARGED SYSTEM
ARE SOLVENT WELDED

ALL DOWNPIPES ARE TO BE
ENTIRELY PVC. PIPES ARE TO
BE SEALED UPTO U/S OF
ROOF GUTTERS

UNIT 1

ROOF GUTTERS I.L. 77.65
TANK INLET I.L. 76.66
HEAD PRESSURE - 990mm

UNIT 2

ROOF GUTTERS I.L. 77.65
TANK INLET I.L. 76.06
HEAD PRESSURE - 1590mm

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CIVIL ENGINEERING CONSULTANTS

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JOB NUMBER:
SW23145
DRAWING NUMBER:
SW23145 - S1

PROJECT:	PROPOSED RESIDENTIAL DUAL OCCUPANCY AT LOT 2, # 43 ORWELL STREET, BLACKTOWN NSW		
DRAWING:	SITE STORMWATER MANAGEMENT LAYOUT		
DESIGNED	DRAWN	CHECKED:	ANDREW L WAHBE - BE (CIVIL) MIEAUST PENG
A.W	N.W	DRAWINGS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED BY DESIGNING ENGINEER	
B	ISSUED FOR CDC APPROVAL		28/05/24
ISSUE	REVISION DESCRIPTION		APPR. DATE