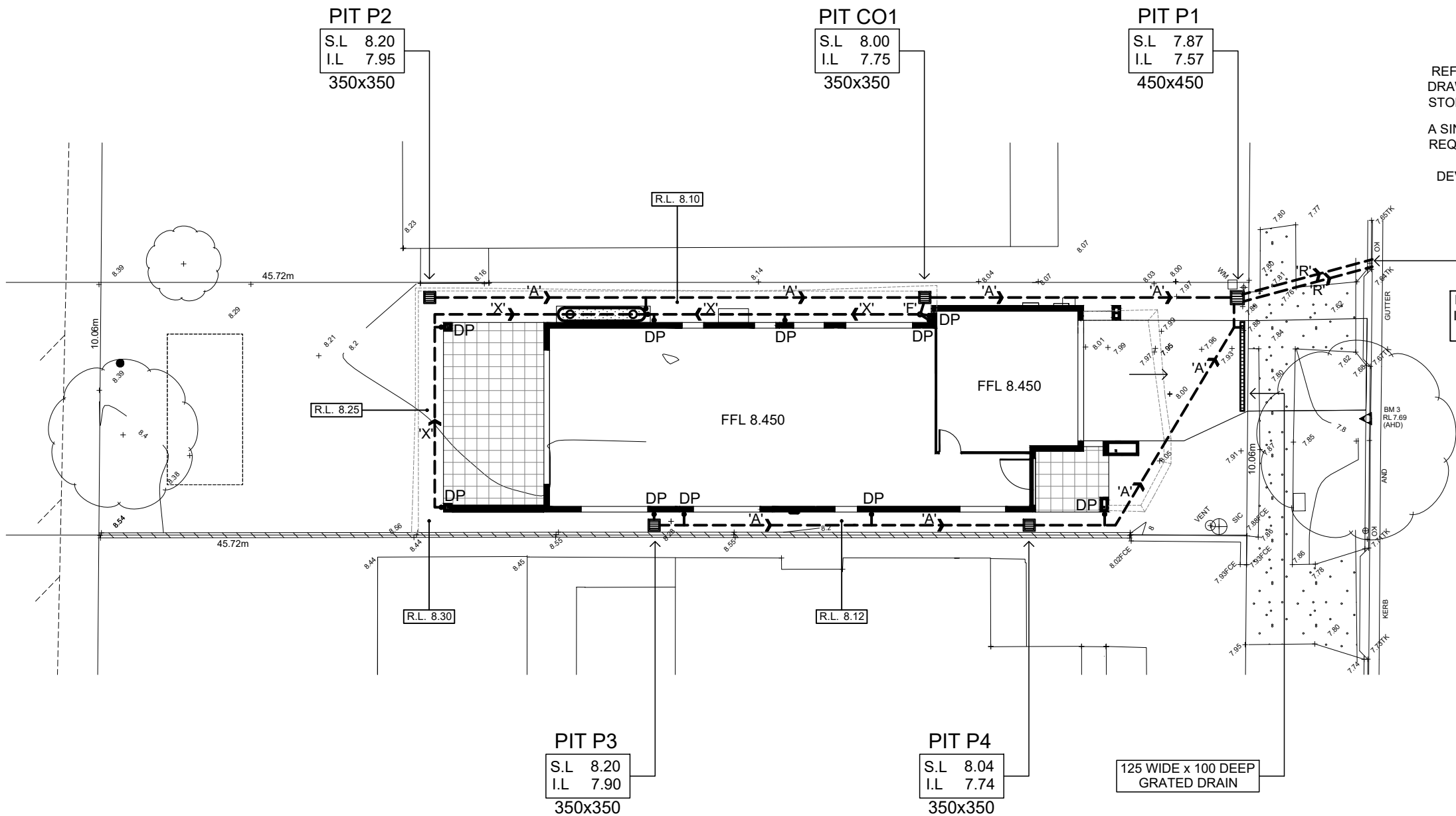




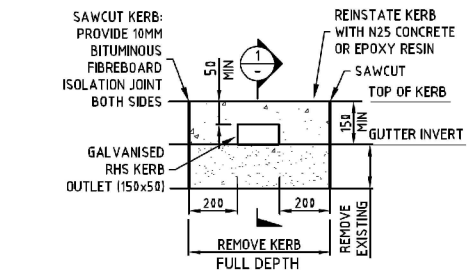
REFER TO COUNCIL STANDARD
DRAWING S 107 FOR DETAILS OF
STORMWATER OUTLET TO KERB

A SINGLE OUTLET IS ALL THAT IS
REQUIRED FOR THIS PROPOSAL
AS PER COUNCIL'S
DEVELOPMENT ENGINEERING
STANDARDS

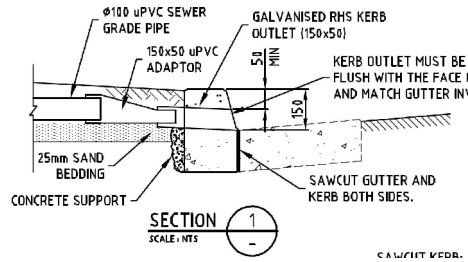
CONNECT DIRECT
TO KERB INVERT

TOK 7.65
GUL 7.50

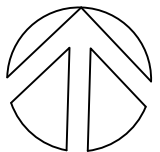
ENSURE 200mm SPACE
IS PROVIDED BETWEEN
KERB OUTLETS



STORMWATER OUTLET CONNECTION TO 150 KERB
SCALE: NTS



EXCERPTS FROM COUNCIL
STANDARD DRAWING S 107 FOR
DETAILS OF STORMWATER
OUTLET TO KERB



SITE STORMWATER MANAGEMENT LAYOUT

SCALE 1:200/A3

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
'R'	100 Ø	S.G P.V.C	1% MIN	SEWER GRADE DISCHARGE PIPE

NOTE: ALL PIT & PIPELINE LOCATIONS SHOWN ON PLAN ARE INDICATIVE. BUILDER TO DETERMINE
BEST POSITION FOR PLACEMENT WITHIN A 1m TOLERANCE OF WHAT IS SHOWN ON PLAN

 RAINWATER TANK
AS SHOWN ON PLAN

PROVIDE A RAINWATER TANK
3050L 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 UP TO U/S OF
ROOF GUTTERS

ROOF GUTTERS I.L. 11.03
TANK INLET I.L. 9.93
HEAD PRESSURE - 1100mm

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

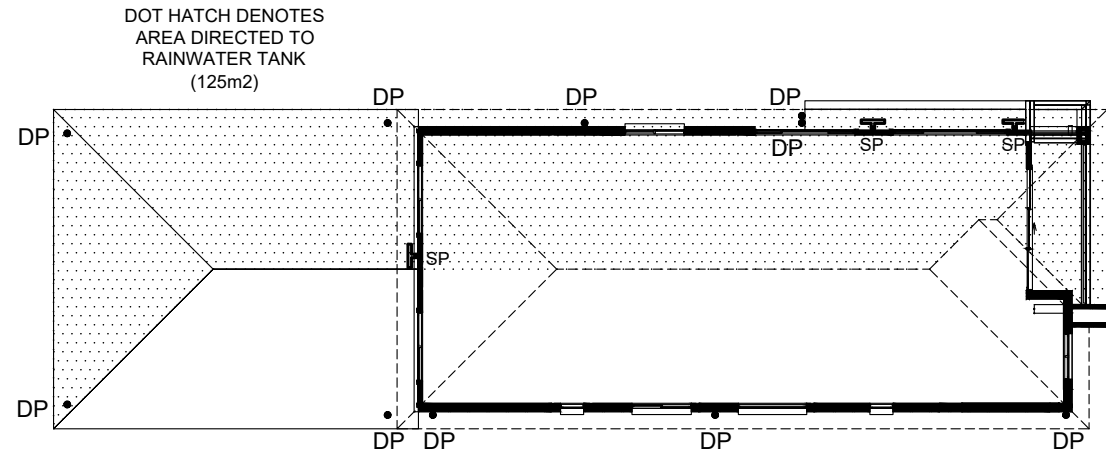
P1	PIT LABEL	G.F.L.	GARAGE FLOOR LEVEL
	SUMP PIT - PIT SIZE REFERS TO GRATE DIMENSIONS	• 0.00	EXISTING REDUCED LEVEL
	300x300 FLOOR GULLY	• R.L. 157.00	PROPOSED REDUCED LEVEL
	100/150 Ø GARDEN GULLY	■ DP	DOWNPIPE
	DRAINAGE PIPE	└ SP	SPITTER/SPREADER
	AERIAL PIPE	⊙	CLEANING EYE
S.L.	SURFACE LEVEL	+++++	SEDIMENT FENCE
I.L.	INVERT LEVEL	— — —	AG LINE
F.F.L.	FINISHED FLOOR LEVEL	→	OVERLAND FLOW

alwdesign
CIVIL ENGINEERING CONSULTANTS

P: 02 9802 5509 E: admin@alwdesign.com.au
M: 0413 763 432 69 DELANGE ROAD, PUTNEY NSW 2112

JOB NUMBER:
SW24500
DRAWING NUMBER:
SW24500 - S1

PROJECT:	PROPOSED RESIDENTIAL DWELLING AT LOT 3, # 21 WINDSOR AVENUE, CROYDON PARK 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	
A	ISSUED FOR DEVELOPMENT APPLICATION		19/12/24
ISSUE	REVISION DESCRIPTION		APPR. DATE



GUTTER SELECTED: STRAMIT INFINITILINE QUAD GUTTER - SLOTTED;
AREA = 5200 SQ.MM

ALL DOWNPIPES TO BE 90 Ø MIN

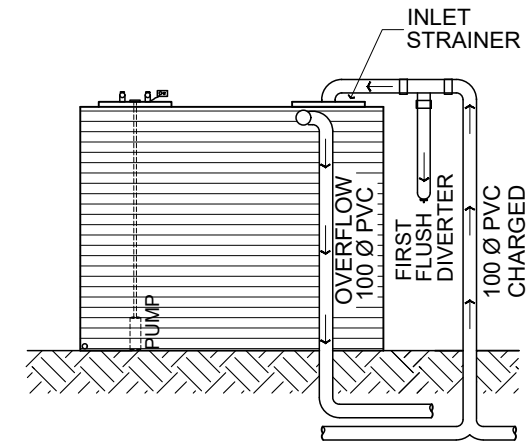
ROOF & FIRST FLOOR LAYOUT

SCALE 1:200/A3

ENSURE ALL CONNECTIONS WITHIN CHARGED SYSTEM ARE SOLVENT WELDED

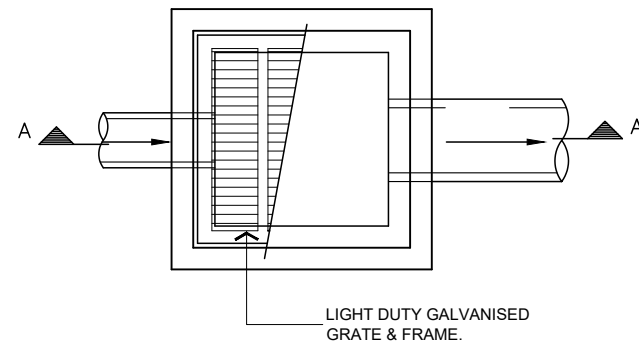
ALL DOWNPIPES ARE TO BE ENTIRELY PVC. PIPES ARE TO BE SEALED UP TO U/S OF ROOF GUTTERS

ROOF GUTTERS I.L. 11.03
TANK INLET I.L. 9.93
HEAD PRESSURE - 1100mm



EVOLUTION MkIII RAINWATER TANK CONFIGURATION BY KINGSPAN

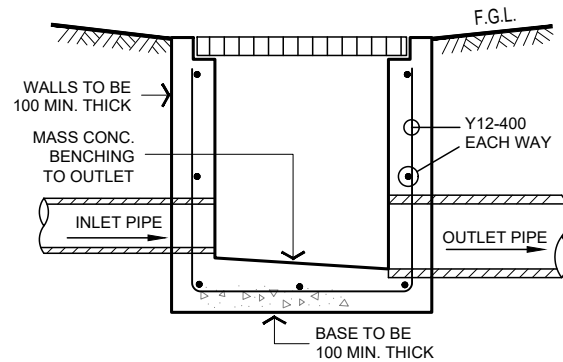
NOTE, ALL PIT SIZES SHOWN ON PLAN REFLECT THE REQUIRED GRATE DIMENSION



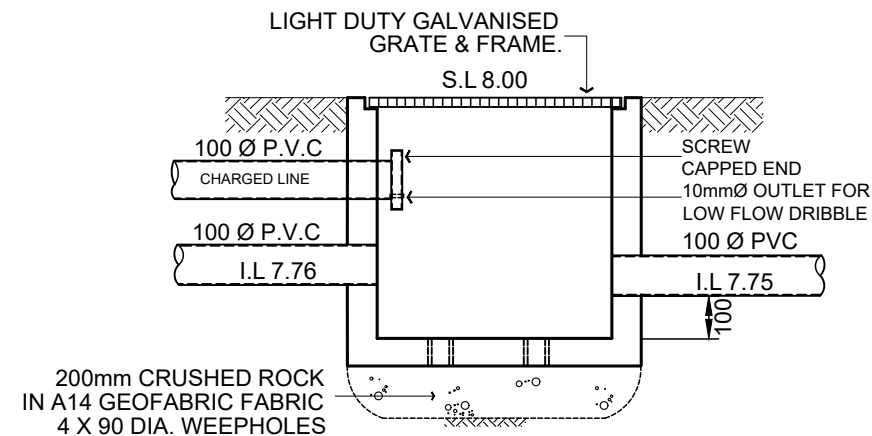
TYPICAL PIT DETAIL

IN TRAFFICABLE AREAS
BRICKWORK/BLOCKWORK WALLS OR PRECAST CONCRETE PITS MAY BE USED
SUBJECT TO APPROVAL

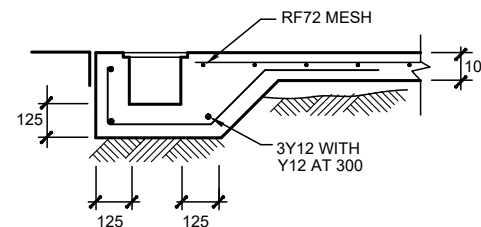
IN NON-TRAFFICABLE AREAS
FIBRE-GLASS OR HARD-PLASTIC PITS MAY BE USED
SUBJECT TO APPROVAL



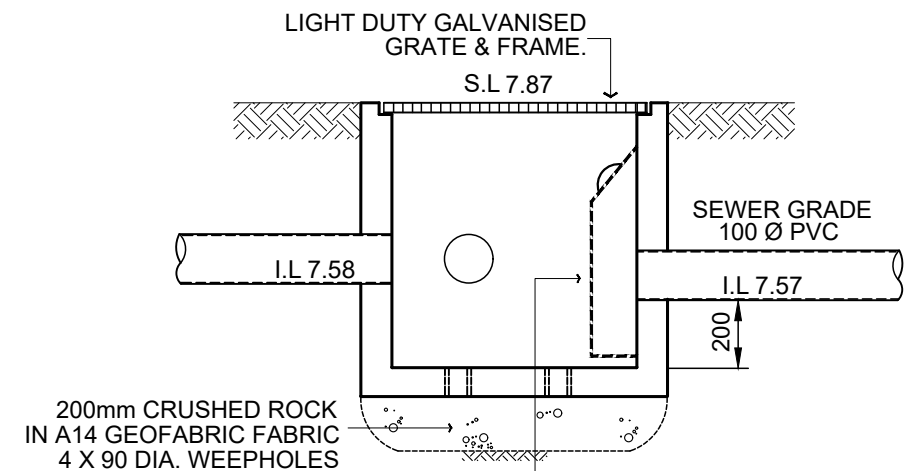
TYPICAL SECTION A



PIT CO1 - 350x350 CLEAN-OUT PIT FOR CHARGED LINE SYSTEMS



GRATED DRAIN



REMOVABLE RECTANGULAR SCREEN HOT DIPPED GALV. LYSAGHT MAXIMESH TYPE RH3030 WITH HANDLE

PIT P1 - 450x450

alwdesign
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JOB NUMBER:
SW24500
DRAWING NUMBER:
SW24500 - S2

PROJECT: PROPOSED RESIDENTIAL DWELLING AT LOT 3, # 21 WINDSOR AVENUE, CROYDON PARK NSW			
DRAWING: ROOF LAYOUT & GENERAL DETAILS			
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	
A	ISSUED FOR DEVELOPMENT APPLICATION		19/12/24
ISSUE	REVISION DESCRIPTION		APPR. DATE