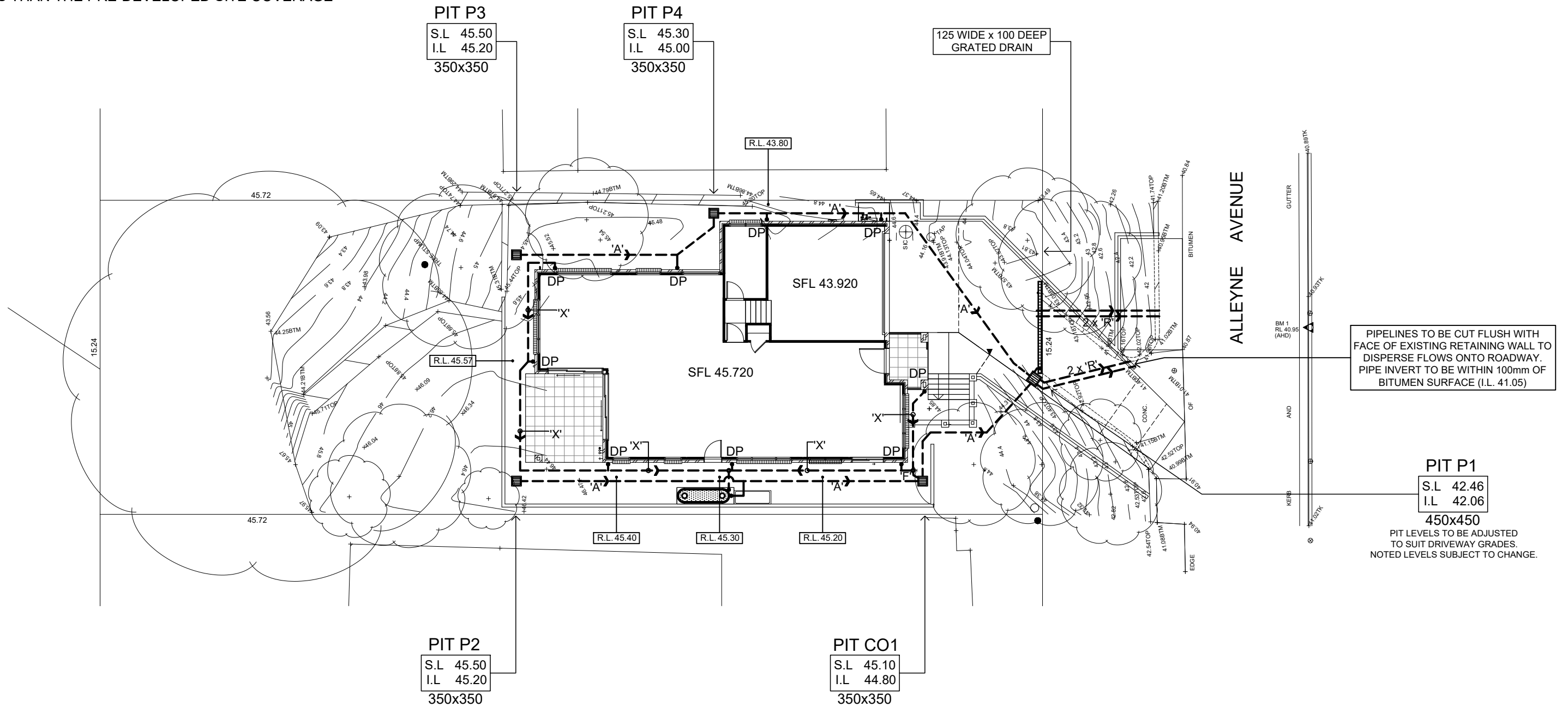


ON SITE DETENTION IS NOT REQUIRED AS THE PROPOSED POST-DEVELOPED SITE COVERAGE IS LESS THAN THE PRE-DEVELOPED SITE COVERAGE



PIPELINES TO BE CUT FLUSH WITH FACE OF EXISTING RETAINING WALL TO DISPERSE FLOWS ONTO ROADWAY. PIPE INVERT TO BE WITHIN 100mm OF BITUMEN SURFACE (I.L. 41.05)

PIT P1
S.L. 42.46
I.L. 42.06
450x450
PIT LEVELS TO BE ADJUSTED TO SUIT DRIVEWAY GRADES. NOTED LEVELS SUBJECT TO CHANGE.

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

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

ROOF GUTTERS I.L. 48.52
TANK INLET I.L. 47.51
HEAD PRESSURE - 1010mm

SITE STORMWATER MANAGEMENT LAYOUT
SCALE 1:200/A3

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

- 8) COMMENCING ANY WORKS & NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- 9) 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.
- 10) END OF EXISTING DRAINAGE LINE TO BE EXPOSED & LEVELS CONFIRMED BY BUILDER PRIOR TO COMMENCEMENT OF WORKS.
- 11) BUILDERS TO ENSURE SERVICES CONNECTIONS TO HOUSE DO NOT CONFLICT WITH DRAINAGE DESIGN REQUIREMENTS.
- 12) ALL WORKS TO BE CONSTRUCTED TO GOOD BUILDING PRACTICE & MATERIALS TO MEET ACCEPTED SPECIFICATIONS.

LEGEND

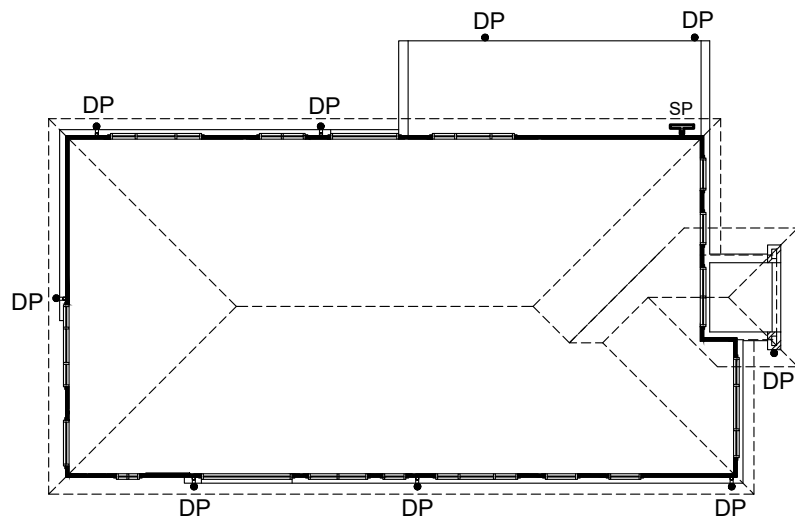
P1	PIT LABEL	G.F.L.	GARAGE FLOOR LEVEL
	SUMP PIT - PIT SIZE REFERS TO GRATE DIMENSIONS	• 0.00	EXISTING REDUCED LEVEL
	300x300 FLOOR GULLY	• R.L. 157.00	PROPOSED REDUCED LEVEL
	100/150 Ø GARDEN GULLY	■ DP	DOWNPIPE
	DRAINAGE PIPE	■ SP	SPITTER/SPREADER
	AERIAL PIPE	⊙	CLEANING EYE
S.L.	SURFACE LEVEL		SEDIMENT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

alwdesign
CIVIL ENGINEERING CONSULTANTS

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JOB NUMBER:
SW23538
DRAWING NUMBER:
SW23538 - S1

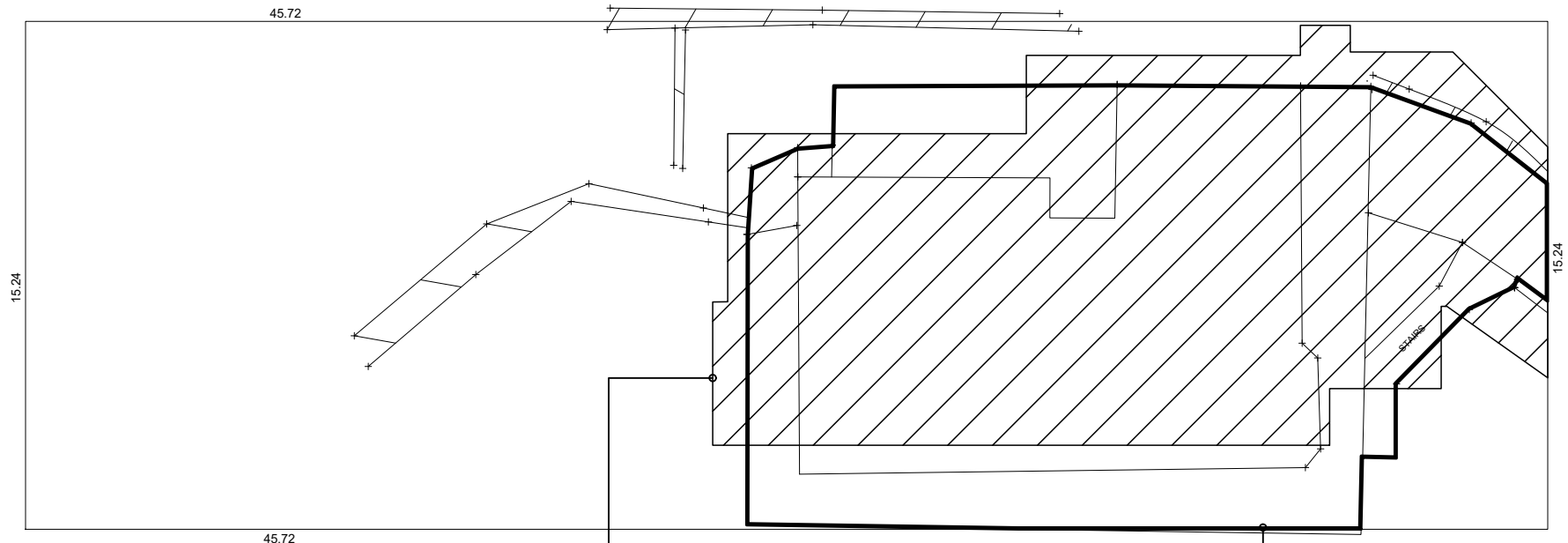
PROJECT:	PROPOSED RESIDENTIAL DWELLING AT LOT 25, # 34, ALLEYN AVENUE, NORTH NARRABEEN		
DRAWING:	SITE STORMWATER MANAGEMENT LAYOUT		
DESIGNED:	A.W	N.W	CHECKED: ANDREW L WAHBE - BE (CIVIL) MIEAUST PENG
ISSUE:	B	ISSUED FOR DEVELOPMENT APPLICATION	28/05/24
REVISION DESCRIPTION:			APPR. DATE



GUTTER SELECTED: LYSAGHT QUAD 115 LO FRONT NSW UNSLOTTED;
AREA = 6165 SQ.MM

ALL DOWNPIPES TO BE 90 Ø MIN

ROOF & FIRST FLOOR LAYOUT
SCALE 1:200/A3



POST-DEVELOPED SITE COVERAGE (SHOWN
HATCHED) - TOTAL 251m²

PRE-DEVELOPED SITE COVERAGE (ALL TO BE
REMOVED) - TOTAL 277m²

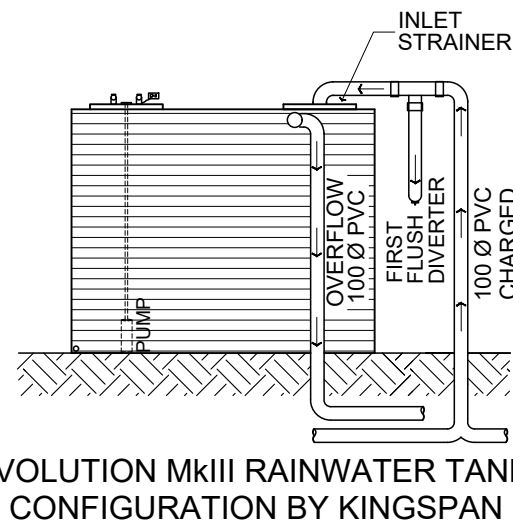
ON SITE DETENTION IS NOT REQUIRED AS THE
PROPOSED POST-DEVELOPED SITE COVERAGE IS
LESS THAN THE PRE-DEVELOPED SITE COVERAGE

SITE COVERAGE CALCULATION LAYOUT
SCALE 1:200/A3

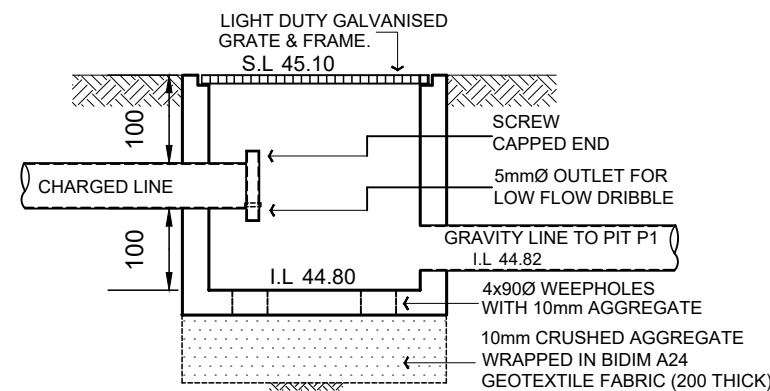
ENSURE ALL CONNECTIONS
WITHIN CHARGED SYSTEM
ARE SOLVENT WELDED

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

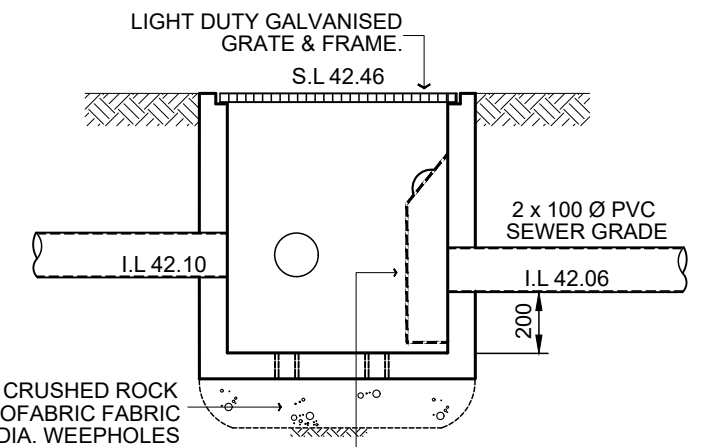
ROOF GUTTERS I.L. 48.52
TANK INLET I.L. 47.51
HEAD PRESSURE - 1010mm



**EVOLUTION MKIII RAINWATER TANK
CONFIGURATION BY KINGSPAN**

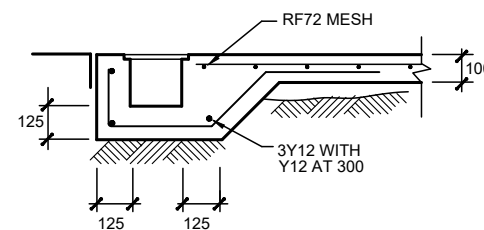


**PIT CO1 - 350x350
CLEAN-OUT PIT
FOR CHARGED LINE SYSTEMS**



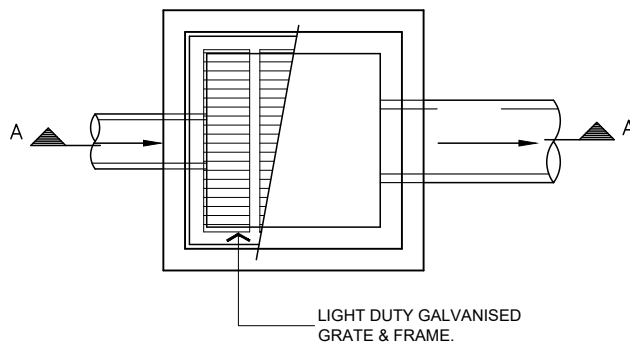
REMOVABLE RECTANGULAR
SCREEN HOT DIPPED GALV.
LYSAGHT MAXIMESH TYPE
RH3030 WITH HANDLE

PIT P1 - 450x450

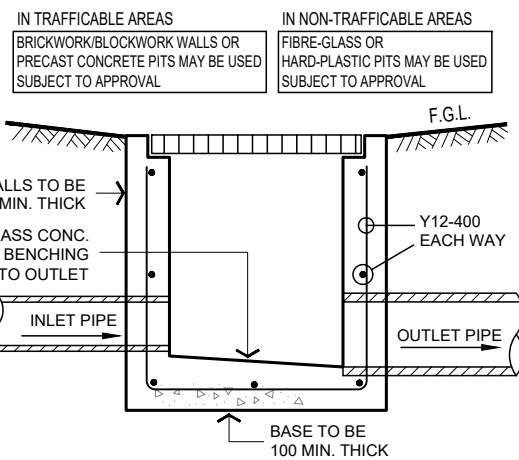


GRATED DRAIN

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



TYPICAL PIT DETAIL



TYPICAL SECTION A

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CIVIL ENGINEERING CONSULTANTS

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JOB NUMBER:
SW23538
DRAWING NUMBER:
SW23538 - S2

PROJECT:	PROPOSED RESIDENTIAL DWELLING AT LOT 25, # 34, ALLEYNE AVENUE, NORTH NARRABEEN		
DRAWING:	ROOF LAYOUT & GENERAL DETAILS		
DESIGNED:	A.W	N.W	CHECKED: ANDREW L WAHBE - BE (CIVIL) MIEAUST PENG
DRAWINGS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED BY DESIGNING ENGINEER			
ISSUE:	B	ISSUED FOR DEVELOPMENT APPLICATION	28/05/24
REVISION DESCRIPTION:			APPR. DATE