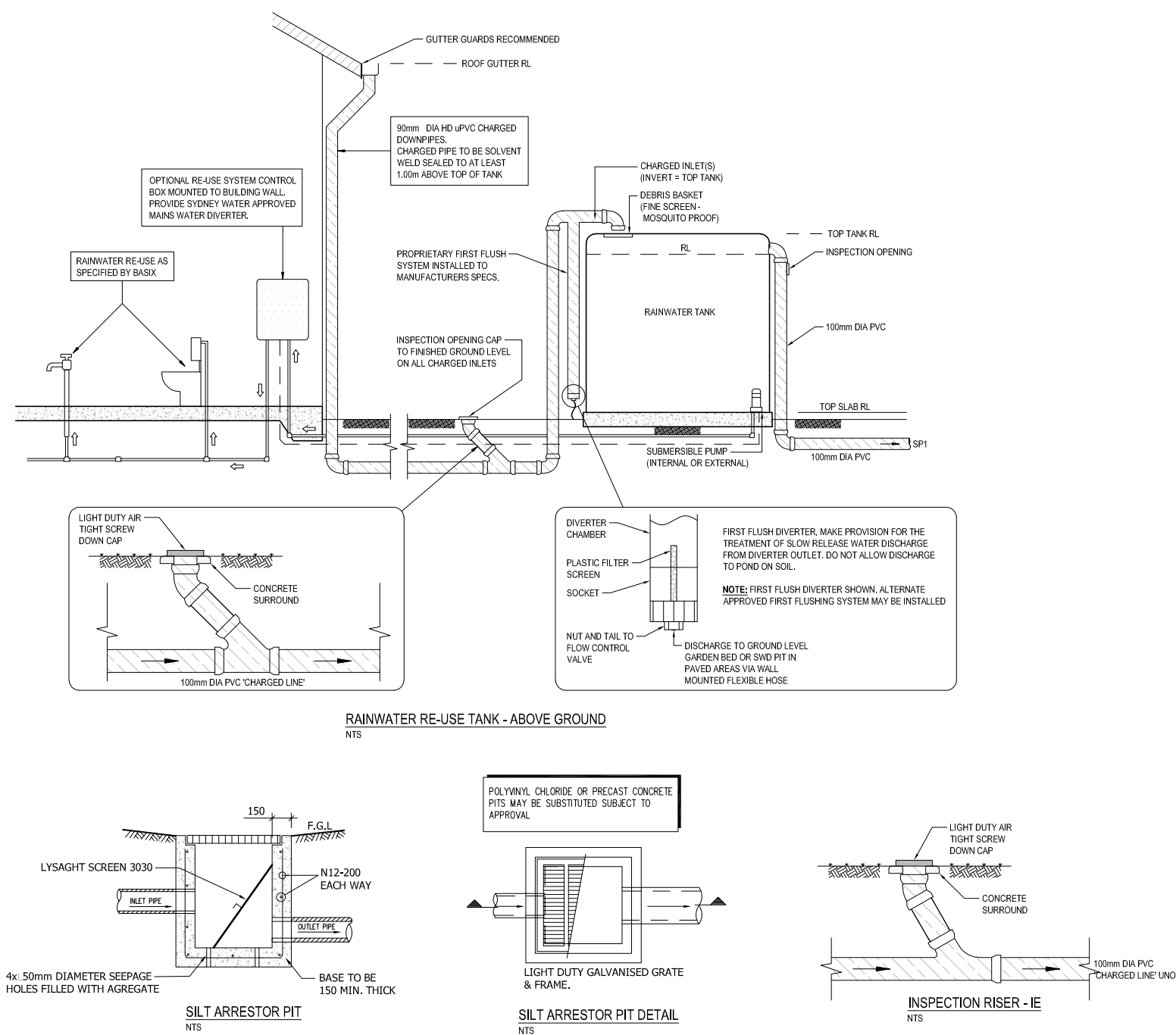


PROPOSED DUAL OCCUPANCY AND SECONDARY DWELLING
NO.20 WARWICK STREET, PUNCHBOWL, NSW 2196



DRAWING LIST	
SHEET NUMBER	SHEET TITLE
SW000	STORMWATER GENERAL NOTES
SW001	STORMWATER DRAINAGE PLAN SH.1
SW002	STORMWATER DRAINAGE PLAN SH.2
SW003	STORMWATER DRAINAGE PLAN SH.3
SW004	IMPERVIOUS PLAN

GENERAL

- [illegible]

UTILITIES

- 1 THE LOCATION OF UTILITIES SHOWN ON THESE DRAWINGS ARE INDICATIVE ONLY. THE CONTRACTOR SHALL BEFORE COMMENCING ANY WORKS:
 - a. DETERMINE THE EXTENT OF THE EXISTING UTILITY SURVEY AND INFORMATION REFERENCED ON THESE DRAWINGS.
 - b. OBTAIN CURRENT DATA, BEFORE YOU DIG PLANS AND INFORMATION BY TELEPHONING 1100 OR FAX 1302 682 077 TO ASCERTAIN THE EXACT LOCATION OF UTILITIES.
- 2  **CALL BEFORE YOU DIG**
1100 1302 682 077
- 3 c. MAKE ANY OTHER ENQUIRIES AS THE CONTRACTOR CONSIDERS NECESSARY TO SATISFY ITSELF AS TO THE EXACT LOCATION OF UTILITY SERVICES AND d. ENSURE THAT THE ADOPTED WORK METHOD WILL AVOID DAMAGE TO ALL UTILITIES.
- 4 THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF EXISTING UTILITY SERVICES.
- 5 THIS FIRM WILL NOT BE LIABLE FOR ANY COSTS ARISING FROM DAMAGE TO ANY UTILITY SERVICES CAUSED BY THE CONTRACTOR



DRAINAGE NOTES

- UNLESS NOTED AS OTHERWISE, ALL DOWMPILES TO BE Ø100 ROD (OR 100x75 RECTANGULAR AND FULLY SEALED); ALL STORMWATER PIPES TO BE Ø100 SDR35 GRADE 40 AND LHD 11.5; ALL MINIMUM FALL UNLESS OTHERWISE SPECIFIED. ALL MATERIALS USED IN THE WORK SHALL BE NEW AND CONFORM WITH RELEVANT AUSTRALIAN STANDARDS AND BEAR THE REQUIRED STANDARDS MARK.
2. UNLESS NOTED AS OTHERWISE, THE PIPE COVER MEASURED FROM THE TOP OF THE PIPE TO THE FINISHED SURFACE SHALL BE AS PER THE TABLE BELOW:
- | PIPE LOCATION | MINIMUM COVER |
|----------------------------------|---|
| NOT SUBJECT TO VEHICULAR LOADING | 100mm FOR SINGLE DWELLING
300mm FOR ALL OTHER DEVELOPMENTS |
| SUBJECT TO VEHICULAR LOADING | 450mm WHERE NOT UNDER ROAD |
| UNDER SEALED ROAD | 600mm |
| UNDER UNSEALED ROAD | 750mm |
| UNDER FOOTPATHS | 400mm |
| PARK | 400mm |
| PAVED DRIVEWAY | 100mm BELOW UNDER SOLE OF PAVEMENT |

DEPTH TO INVERT OF OUTLET	MINIMUM INTERVAL DIMENSION (mm)	
	WIDTH	LENGTH
UP TO 450mm	450	450
450mm TO 600mm	600mm	600mm
600mm TO 900mm	800	800
900mm TO 1500 (*)	900	900
1500 TO 2000 (*)	1200	1200

6. ALL PITS IN ROADWAY SHALL BE FITTED WITH HEAVY DUTY GRATES WITH LOCKING BOLTS AND CONTINUOUS HINGES.
7. SUB-SOIL DRAINS FOR RETAINING WALL AND EMBANKMENTS SHALL BE INSTALLED BY THE BUILDER AND CONNECTED TO STORMWATER LINES. ALL AGG. LINES SHALL BE 100mm DIA., UNLESS NOTED OTHERWISE

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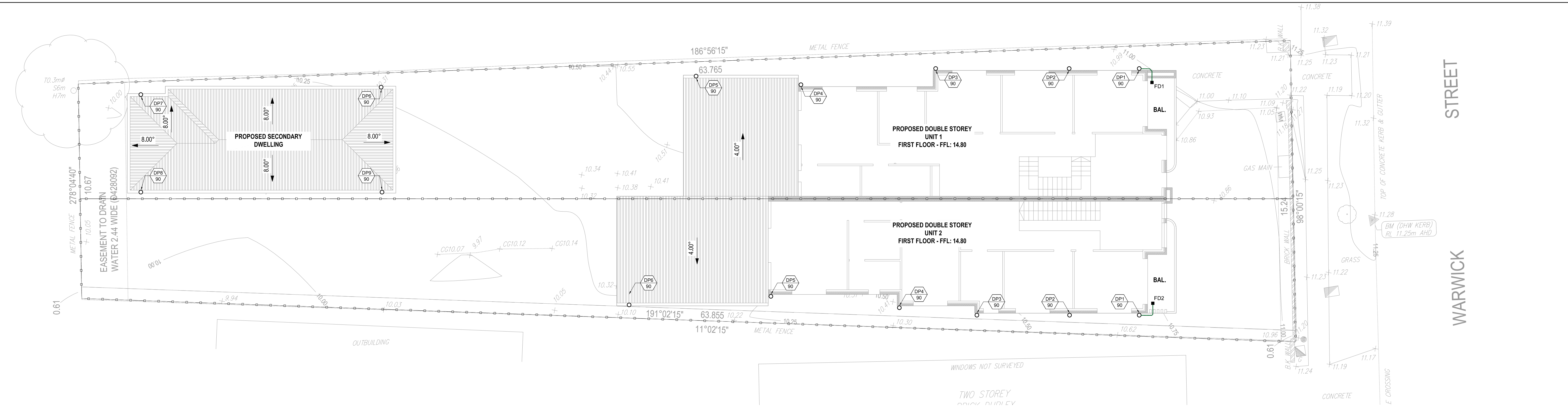
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STORMWATER GENERAL NOTES

DESIGNER: Hoang (Frank) Nguyen NER: 5095408	DRN:PD	APP:FN	SHEET: A1
COUNCIL: CANTERBURY - BANKSTOWN	DRG NO.: HCT - 2694 - SW000		

A	ISSUED FOR DA	PD	27.03.2026
ISSUE	AMENDEMENT	BY	DATE

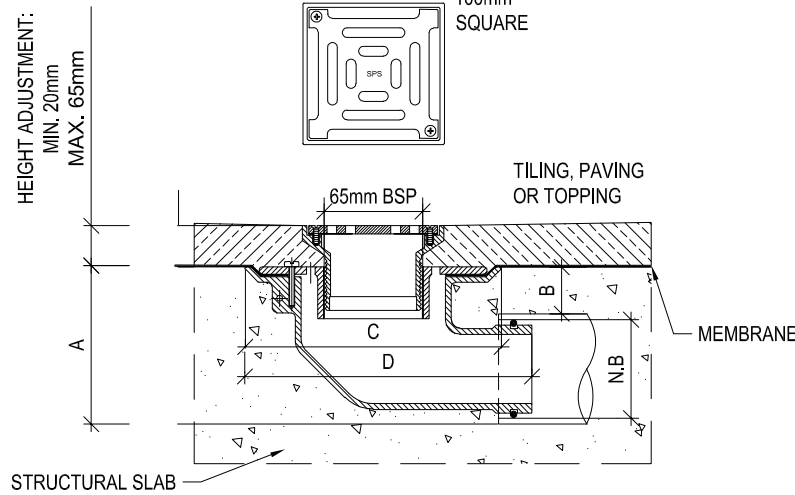


FIRST FLOOR DRAINAGE PLAN
1 : 100

- IMPORTANT NOTES:
- ALL DOWNPIPE WITH RAINWATER HEAD ARE FOR GROUND FLOOR ROOF
 - ALL DOWNPIPE WITH SPREADER ARE FOR FIRST FLOOR ROOF
 - ALL DOWNPIPE LOCATIONS ARE INDICATIVE ONLY AND TO BE DETERMINED AND CONFIRMED ON SITE BY THE BUILDER/PLUMBER TO AVOID DOOR AND WINDOW OPENINGS.

SPS 100mm SQUARE VARI-LEVEL SIDE OUTLET DRAIN
65/50mm OUTLET

SPECIFICATION CODE:
Q100B/C90 (BRASS GRATE, ABS LOWER BODY)
Q100N/C90 (NICKEL BRONZE GRATE, ABS LOWER BODY)
Q100S4/C90 (POLISHED 304 STAINLESS STEEL, ABS LOWER BODY)
Q100S5/C90 (SATIN 316 STAINLESS STEEL GRATE, ABS LOWER BODY)



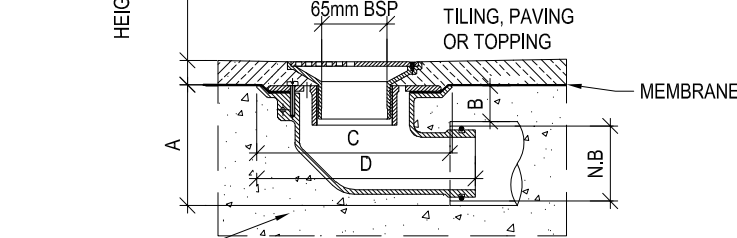
SPIGOT PUSHES INTO 65MM PVC OR COPPER WITH O-RING CONNECTION, OR CONNECTS TO 50MM PVC/DPE WITH NO-HUB COUPLING.

N.B	A	B	C	D
50	100	40	180	200
65	105	37	180	200

FLOOR DRAIN (SPS) - FD
N.T.S

SPS 130mm SQUARE VARI-LEVEL SIDE OUTLET DRAIN
65/50MM OUTLET

SPECIFICATION CODE:
Q130S4/C90 (POLISHED 304 STAINLESS STEEL, ABS LOWER BODY)
Q130S5/C90 (SATIN 316 STAINLESS STEEL GRATE, ABS LOWER BODY)

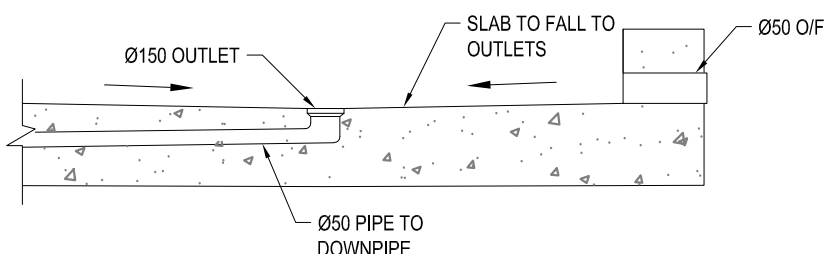


SPIGOT PUSHES INTO 65MM PVC OR COPPER WITH O-RING CONNECTION, OR CONNECTS TO 50MM PVC/DPE WITH NO-HUB COUPLING.

N.B	A	B	C	D
50	100	40	180	200
65	105	37	180	200

TERRACE GRATE (SPS) - TG
N.T.S

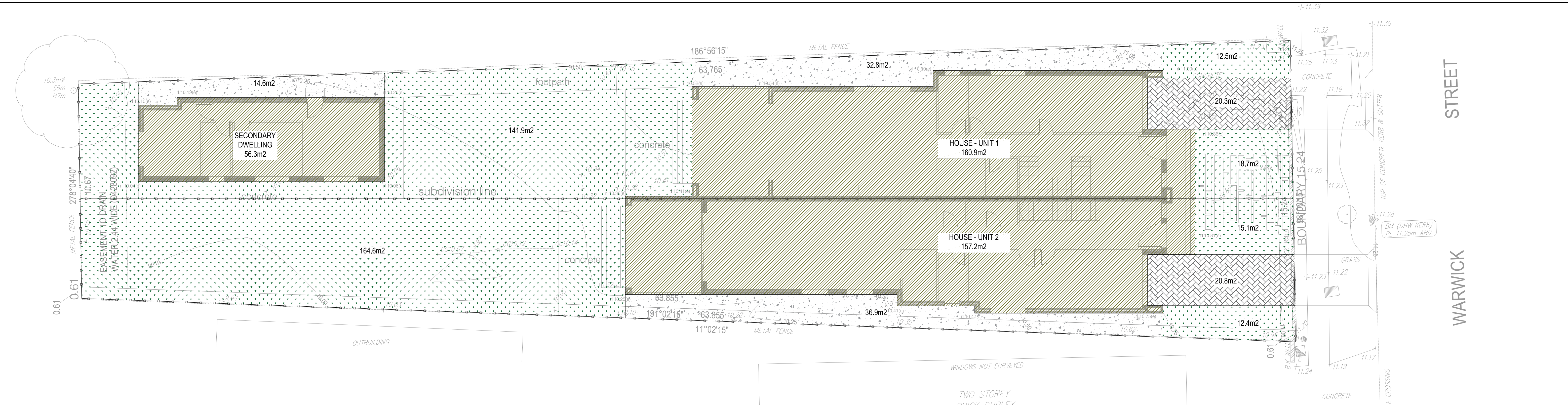
130mm SQUARE
SQUARE GRATE POLISHED 304 OR SATIN 316 STAINLESS STEEL.
UPVC 90° BODY AND REVERSIBLE MEMBRANE CLAMP COLLAR WITH FEMALE 65MM BSP THREAD.



BALCONY RAIN OUTLET DETAIL
N.T.S

LEGEND	
	RAINWATER TANK
	PIPE INVERT RL
	DOWNPIPES SPREADER
	DOWNPIPE 100X50 RHS OR Ø90 UPVC PIPE
	DOWNPIPE WITH SQUARE RAINWATER HEAD
	STORMWATER LINE Ø50mm UPVC CHARGE LINE FROM FLOOR DRAIN TO DOWNPIPE, FLOOR DRAIN TO ROOF BELOW SLOPE 1% MINIMUM
	FLOOR DRAIN (SPS)
	OVERLAND FLOW
	PIT
	CLEANING EYE (INSPECTION EYE)
	RAINWATER OUTLET
	BOUNDARY LINE
	EXISTING STORMWATER LINE

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IMPERVIOUS PLAN
1 : 100

IMPERVIOUS AREA IS LESS THAN 60% OF TOTAL SITE THEREFORE NO OSD REQUIRED IN ACCORDANCE WITH CHAPTER 10 OF CANTERBURY - BANKSTOWN STORMWATER MANAGEMENT POLICY

IMPERVIOUS AREA - UNIT 1				
IMPERVIOUS AREA CALCULATIONS (66% or less for OSD exemption or 302.28m²)			SITE AREA = 458.0 m²	
			IN ACCORDANCE WITH CHAPTER 10 OF CANTERBURY - BANKSTOWN STORMWATER MANAGEMENT POLICY	
HATCHING LEGEND	DESCRIPTION	AREA (m²)	IMPERM. FACTOR (m²)	IMPERM. AREA (m²)
	PROPOSED BUILDING AREA	217.2	1.0	217.2
	PROPOSED DRIVEWAY AREA	20.3	1.0	20.3
	PROPOSED CONCRETE AREA	47.4	1.0	47.4
A	SUBTOTAL AREA IMP. FACT 1.0	284.9		284.9
	PROPOSED POOL AREA (WATER SURFACE)	0.0	0.5	0.0
B	SUBTOTAL AREA IMP. FACT 0.5	0.0	0.5	0.0
	TOTAL IMPERMEABLE SITE AREA - A+B			284.9

IMPERVIOUS AREA IS LESS THAN 66% OF TOTAL SITE THEREFORE NO OSD REQUIRED IN ACCORDANCE WITH CHAPTER 10 OF CANTERBURY - BANKSTOWN STORMWATER MANAGEMENT POLICY

IMPERVIOUS AREA - UNIT 2				
IMPERVIOUS AREA CALCULATIONS (66% or less for OSD exemption or 268.6m²)			SITE AREA = 407.0 m²	
			IN ACCORDANCE WITH CHAPTER 10 OF CANTERBURY - BANKSTOWN STORMWATER MANAGEMENT POLICY	
HATCHING LEGEND	DESCRIPTION	AREA (m²)	IMPERM. FACTOR (m²)	IMPERM. AREA (m²)
	PROPOSED BUILDING AREA	157.2	1.0	157.2
	PROPOSED DRIVEWAY AREA	20.8	1.0	20.8
	PROPOSED CONCRETE AREA	36.9	1.0	36.9
A	SUBTOTAL AREA IMP. FACT 1.0	214.9		214.9
	PROPOSED POOL AREA (WATER SURFACE)	0.0	0.5	0.0
B	SUBTOTAL AREA IMP. FACT 0.5	0.0	0.5	0.0
	TOTAL IMPERMEABLE SITE AREA - A+B			214.9



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IMPERVIOUS PLAN

DESIGNER: Hoang (Frank) Nguyen NER: 5095408 | DRN: PD | APP: FN | SHEET: A1
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