STORMWATER MANAGEMENT PLAN PROPOSED DWELLING No.1 HAREWOOD PLACE, WARRIEWOOD

GENERAL NOTES:

- THESE PLANS REMAIN THE PROPERTY OF NY CIVIL ENGINEERING PTY LTD AND ARE SUBJECT TO COPYRIGHT
- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED. ALL REDUCED LEVELS (SURFACE LEVELS, INVERT LEVELS) AND CHAINAGES ARE IN METERS UNLESS OTHERWISE STATED. DO NOT SCALE OFF THE DRAWINGS, SCALES ARE AS SHOWN, USE FIGURED DIMENSIONS
- THIS PLAN IS TO BE READ IN JUNCTION WITH LATEST ARCHITECTURAL STRUCTURAL LITHLITY AND LANDSCAPE PLANS IN ADDITION TO ANY
- ALL WORKS SHALL BE CARRIED OUT TO LOCAL COUNCIL'S DEVELOPMENT CONTROL PLAN AND SPECIFICATIONS, AS/NZS 3500.3 AND B.C.A.
- ALL LEVELS SHALL RELATE TO THE ESTABLISHED BM, PM AND/OR LM. ALL EXISTING SERVICES ARE TO BE VERIFIED FOR LOCATION AND DEPTH PRIOR TO COMMENCEMENT OF ANY WORK CONTRACTOR TO NOTIFY DESIGNER OF ANY DISCREPANCIES OF SERVICE LEVELS QUIOTED ON THIS PLAN. ALL SURVEY INFORMATION, BUILDING AND FINISHED SURFACE LEVELS SHOWN IN THESE DRAWINGS ARE BASED ON LEVELS OBTAINED FROM DRAWINGS BY OTHERS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY PRIOR APPROVAL REQUIRED FROM COUNCIL WITH RESPECT TO POTENTIAL IMPACT ON TREES FOR ANY WORKS SHOWN ON THIS DRAWING PRIOR TO THE COMMENCEMENT OF WORKS. NO TREES SHALL BE REMOVED
- THE CONTRACTOR SHALL TAKE ALL DUE CARE TO USE THE ABSOLUTE MINIMUM AREA FOR CONSTRUCTION AND THAT NO UNDUE DAMAGE IS
- THE CONTRACTOR SHALL COMPLY WITH CONDITIONS, AND SPECIFICATION OF COUNCIL AND ALL ACTS OF THE NSW EPA.
- THE CONTRACTOR SHALL TAKE ALL REASONABLE CARE TO PROTECT EXISTING SERVICES. DAMAGED SERVICES SHALL BE REPAIRED AT THE
- ALL NEW WORK IS TO MAKE A SMOOTH JUNCTION WITH EXISTING WORK
- SUITABLE WARNING SIGNS AND BARRICADES ARE TO BE PROVIDED IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS AND AS DIRECTED BY
- SERVICES SHOWN ARE INDICATIVE ONLY FROM AVAILABLE INFORMATION AND THE TIME OF SITE INVESTIGATION (IF ANY). THE BUILDER IS TO
- RESTORE ALL TRAFFIC AREAS TO PRE EXISTING CONDITION, FOR ALL SURFACES OTHER THAN IN TRAFFIC AREAS RESTORE DISTURBED
- RESTORE ALL AUTHORITY OWNED AREAS TO COUNCIL AND/OR AUTHORITY STANDARD AND SPECIFICATION
- THE WORK AS CONSTRUCTED WORKS SHALL BE INSPECTED BY THE ENGINEER, MINIMUM 48 HOURS NOTICE SHALL BE PROVIDED FOR ALL
- THE DESIGN PLANS HEREIN ARE SUBJECT TO COUNCIL APPROVAL PRIOR TO CONSTRUCTION
- WORK AS CONSTRUCTED DRAWINGS TO BE REQUESTED AND RECEIVED IN CAD/.DWG FILE TYPE AND HARD COPY 'RED LINE' MARKUP FROM

ROOF STORMWATER DRAINAGE NOTES:

- ALL ROOF GUTTERS TO HAVE OVERFLOW PROVISION IN ACCORDANCE WITH AS 3500.3 AND SECTIONS 3.5.3, 3.7.5 AND APPENDIX G OF AS 3500.3.
- ALL DOWNPIPES TO BE FITTED VERTICALLY TO THE SOLE OF EAVES GUTTERS, RAINHEAD AND/OR SUMP.
- ALL DOWNPIPES TO DRAIN INTO RAINWATER TANK AND OR PIT PRIOR TO DISCHARGE OFFSITE UNLESS PRIOR APPROVAL IS OBTAINED FROM
- ALL EAVES GUTTERS TO BE SIZED FOR ARI 20 AS PER AS 3500.3 3.5 AND APPENDIX H.
- ROOF DRAINAGE INSTALLATION TO BE IN ACCORDANCE TO AS 3500.3 SECTION 4.

STORMWATER DRAINAGE NOTES:

PIPE SIZE:

- THE MINIMUM PIPE SIZE SHALL BE:
- DN90 FOR ALL DOWNPIPES:
- DN100 WHERE THE LINE ONLY RECEIVES ROOF STORMWATER RUNOFF, OR
- DN100 WHERE THE LINE RECEIVES RUNOFF FROM PAVED OR UNPAVED AREAS.

PIPE GRADE:

- THE MINIMUM PIPE GRADE SHALL BE:
- FOR DN100 DN150 1.00% FOR DN225 - 0.50%
- FOR DN300 0.45%

- MINIMUM PIPE COVER FOR PVC PIPES SHALL BE AS PER AS 3500.3 TABLE 6.2.5:
- NOT SUBJECT TO VEHICULAR LOADING:
- WITHOUT PAVEMENT SINGLE DWELLINGS 100mm
- 1.1.2. WITHOUT PAVEMENT OTHER THAN SINGLE DWELLINGS - 300mm
- WITH PAVEMENT (BRICK/PAVERS) AND/OR UNREINFORCED CONCRETE 100mm
- SUBJECT TO VEHICULAR LOADING:
- 122 ROADS (UNSEALED) - 750mm
- OTHER THAN ROADS (WITHOUT PAVEMENT) 450mm
- PIPE INSTALLATION
- PIPES AND FITTINGS FOR STORMWATER DRAINAGE SHALL BE AS FOLLOWS:

 - FOR PIPE SIZES GREATER THAN DN225 RCP WITH RUBBER RING JOINTS FOR LARGER PIPE DEPTHS AS SPECIFIED IN AS 3500.3 - RCP WITH RUBBER RING JOINTS.
- FOR PIPES AND FITTINGS FOR SUBSOIL DRAINAGE SHALL BE SLOTTED PVS WITH SOLVENT WELDED JOINTS MINIMUM DN150.
 FOR GRATED DRAINS SHALL BE MINIMUM DN150 IN NON-TRAFFICABLE ZONES AND DN225 IN TRAFFICABLE ZONES.
- LAY AND JOINT ALL PIPES IN ACCORDANCE WITH THE MANUFACTURING RECOMMENDATIONS AND:
- AS 3725-1989 LOADS ON BURIED CONCRETE PIPES
- AS 2566 1988 BURIED FLEXIBLE PIPELINES
- AS 1597.2 1996 PRECAST REINFORCED CONCRETE BOX CULVERTS
- AS 3500 1990 NATIONAL PLUMBING AND DRAINAGE CODE PART 2 SANITARY PLUMBING AND SANITARY DRAINAGE SYDNEY WATER
- ALLOW TO TEST ALL PIPES AND PITS TO MANUFACTURERS REQUIREMENTS

CONNECTIONS TO STORMWATER SYSTEMS UNDER BUILDINGS

CONNECTIONS TO COUNCIL STORMWATER SYSTEMS:

CONNECTION TO COUNCIL STORMWATER SYSTEM TO BE IN ACCORDANCE TO LOCAL COUNCIL DCP AND STANDARDS. NO CONNECTIONS TO BE MADE LINTII PROPER PERMIT/APPROVALS ARE OBTAINED FROM LOCAL COLINCII IN WRITING

EXISTING SERVICES SHOWN ON THESE PLANS ARE NOT GUARANTEED COMPLETE OR CORRECT AND FURTHER INFORMATION IS REQUIRED FROM THE

LEGEND

SURFACE INLET PIT		GRATED TRENCH DRAIN	
SURFACE INLET PIT (WITH ENVIROPED 200 MICRON)	<u> </u>	ABSORPTION TRENCH	
ACCESS GRATE	00	PROPOSED ROOF GUTTER FALL	 ►
(WITH GROSS POLLUTANT TRAP)		PROPOSED DOWNPIPE SPREADER	⊢ ®P
450 SQUARE INTERVAL	450 X 450	STORMWATER PIPE 100mm DIA. MIN. UNO	
GRATE LEVEL = 75.50	SL 75.50	SUBSOIL PIPE	— a — a —
INVERT LEVEL = RL 75.20	IL 75.20	EXISTING STORMWATER PIPE	— — sw — —
PROPOSED DOWNPIPE 90mm DIA. OR 100mm x 50mm MIN.	DP 90	INSPECTION RISER	• IR
NATURAL GROUND FINISHED DESIGN LEVEL	× 10.00	RAINWATER HEAD	■ RWH

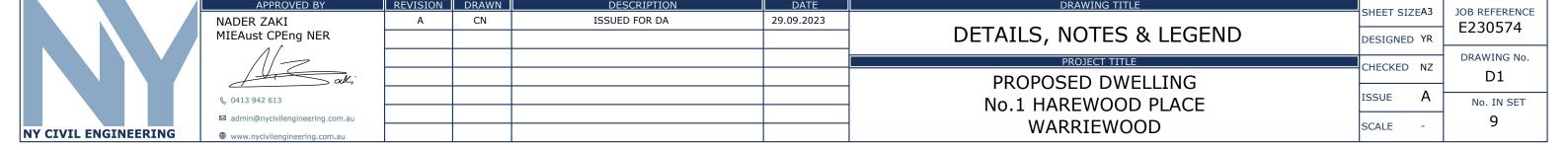
STORMWATER PIT/STRUCTURES NOTES:

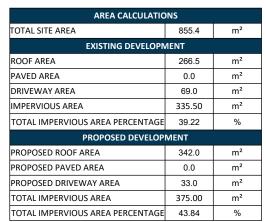
1. PIT SIZES WILL BE AS FOLLOWS:

DEPTH (mm)	MIN. PIT SIZE (mm)
UP TO 450	350x350
450 - 600	450x450
600 - 900	600x600
900 - 1200	600x900
1200+	900x900 (WITH STEP IRONS)

- TRENCH DRAINS: CONTINUOUS TRENCH DRAINS ARE TO BE MIN. DN150 AND MIN. 100mm DEPTH. THE BARS OF THE GRATE ARE TO BE PARALLEL TO THE DIRECTION OF SURFACE FLOW
- STEP IRONS: PITS BETWEEN 1.2m AND 6m ARE TO HAVE STEP IRONS IN ACCORDANCE WITH AS 1657. FOR PITS GREATER THAN 6m OTHER MEANS
- PLASTIC/PVC PITS: PVC PITS WILL ONLY BE PERMITTED IF THEY ARE MAX. 450x450 AND MAX. 450mm DEPTH AS WELL AS BEING HEAVY DUTY.
- IN-SITU PITS: IN-SITU PITS ARE TO BE CONSTRUCTED ON A CONCRETE BED OF AT LEAST 150mm THICK. THE WALLS ARE TO BE DESIGNED TO MEET THE MINIMUM REQUIREMENTS OF CLAUSE 4.6.3 OF AS 3500.4. PITS DEEPER THAN 1.8m SHALL BE CONSTRUCTED WITH REINFORCED
- GRATES: GRATES ARE TO BE GALVANIZED STEEL GRID TYPE. GRATES ARE TO BE OF HEAVY-DUTY TYPE IN AREAS WHERE THEY MAY BE SUBJECT

- ALL PIPES INTO PITS TO BE CUT FLUSH WITH PIT WALL.
- ALL PITS THAT ARE INSTALLED AT GREATER THAN 600mm DEEP TO BE MIN. 600x600 PIT
- 4. BASE OF PIT TO BE SAME LEVEL OF INVERT OF OUTLET
- OUTLET PIPE FROM ANY PIT TO BE 20mm LOWER THAN INLET PIPE!





INSPECTION RISER (IR) PROVIDE 'SCREW CAP' INSPECTION RISER AT LOWEST POINT OF 'CHARGED LINES'

NOTE: ENSURE ANY PROPOSED PAVING IS GRADED SO THAT IT IS NOT IMPACTING ADJOINING PROPERTIES.

NOTE: ALL GRATED DRAINS TO BE 100mm WIDE U.N.O.



- SUBSOIL DRAIANGE PIPE
- DRAINAGE PIPES TO RAINWATER TANK
- DRAINAGE PIPES VIA GRAVITY
- CHARGED DRAINAGE PIPES
- 65mm DIA CLASS 12 PUMP LINE

NOTE: ALL IN GROUND PIPES TO BE 100mm DIA PVC UNO

RAINWATER RE-USE TANK - RWT

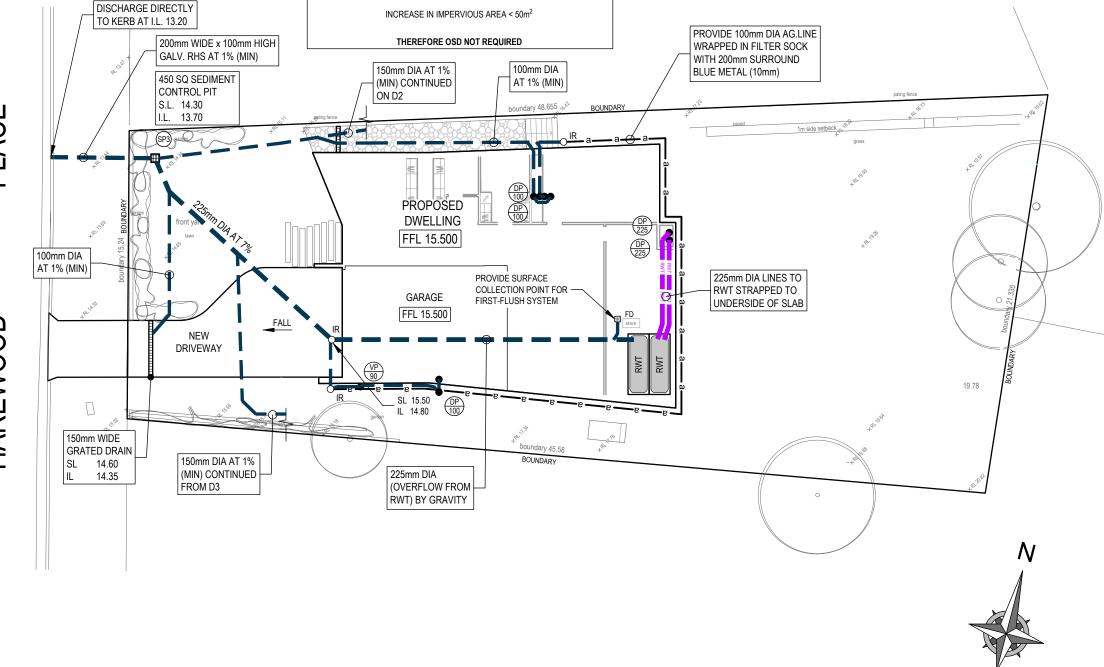
(AS PER BASIX REQUIREMENTS)

SIZE: 2 x 6,500 LITRES (MIN) SLIMLINE TANK BY "DESIGNER TANKS" OR SIMILAR (3200L x 1050W x 2090H)

INSTALL TO MANUFACTURES SPECIFICATIONS, AS3500 AND COUNCIL REQUIREMENTS

- FOR RE-USE AS SPECIFIED BY BASIX CERTIFICATE
- ENSURE TOP OF TANK IS MIN 0.5m BELOW ROOF GUTTERS TO ENSURE SUFFICIENT HEAD FOR THE SYSTEM
- TANK TO BE INSTALLED BY LICENSED PLUMBER IN ACCORDANCE WITH AS/NZS 3500:2003 AND NSW CODE OF PRACTICE PLUMBING AND DRAINAGE 2006

HAREWOOD



OSD WARRANT

"PROPERTIES WITHIN REGION 1 REQUIRE AN OSD FACILITY TO BE INSTALLED WHERE THE

DEVELOPMENT RESULTS IN ADDITIONAL HARD (IMPERVIOUS) SURFACE AREA OF

- NORTHERN BEACHES COUNCIL

EXISTING SITE AREA = 335m²

PROPOSED SITE AREA = 375m²

SOURCE - WATER MANAGEMENT DEVELOPMENT POLICY

ONSITE STORMWATER DISPOSAL REQUIREMENTS REGION 1





NY CIVIL ENGINEERING

ISSUED FOR DA 29.09.2023 MIEAust CPEng NER ☑ admin@nycivilengineering.com.au www.nycivilengineering.com.a

STORMWATER MANAGEMENT LOWER FLOOR PLAN

PLANS ARE FOR CONCEPT ONLY AND NOT FOR CONSTRUCTION

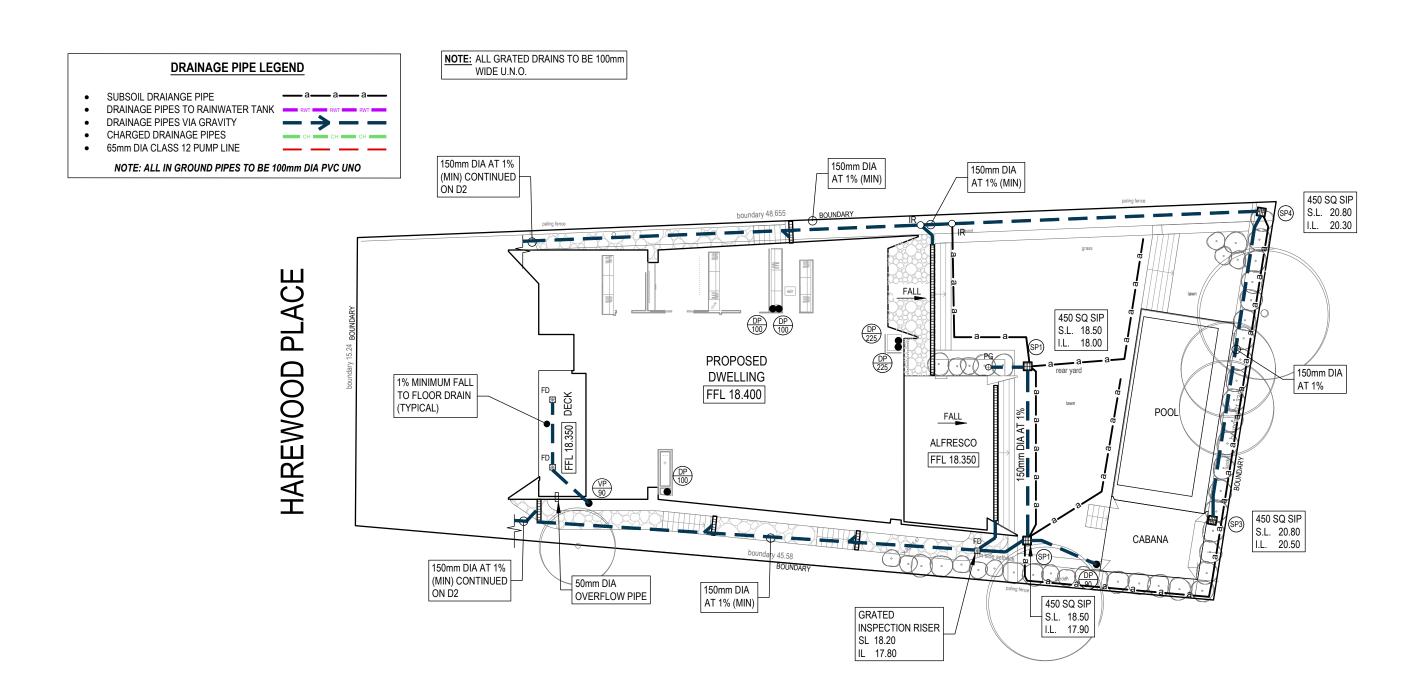
PROPOSED DWELLING No.1 HAREWOOD PLACE WARRIEWOOD

SHEET SIZEA3 JOB REFERENCE E230574 DESIGNED YR

ISSUE

DRAWING No. CHECKED NZ D2

Α No. IN SET 9 SCALE 1:200





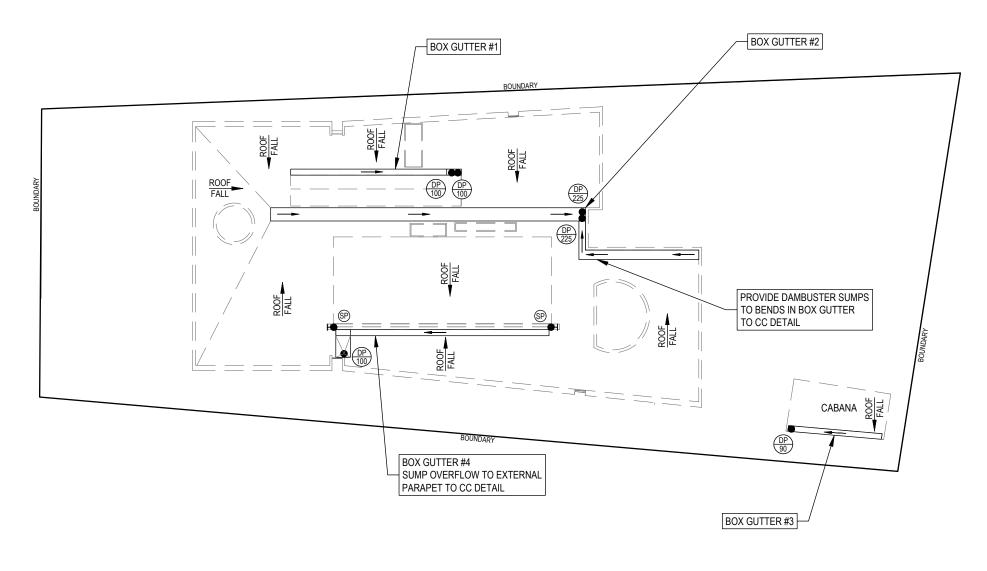
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PLANS ARE FOR CONCEPT ONLY AND NOT FOR CONSTRUCTION



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PLANS ARE FOR CONCEPT ONLY AND NOT FOR CONSTRUCTION

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SPS 100mm Square Push-in Floor Drain

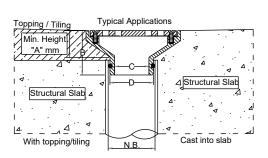
Square

()SPS(

 Square grate available in 316 stainless steel. 304 grade available by special order

 O-ring spigot pushes into 50mm or 80mm PVC pipe 50mm outlet 80mm outlet

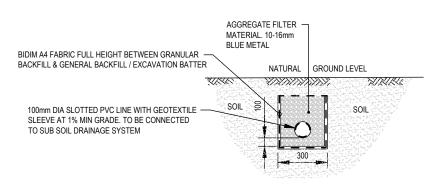
Specification codes: Q100SR (50mm, satin 316SS) Q100SR4 (50mm, polished 304SS) Q100/80SR (80mm, satin 316SS) Q100/80SR4 (80mm, polished 304SS)



N.B	Α	В	С	D
50mm	25	46	42	50
80mm	18	50	64	72

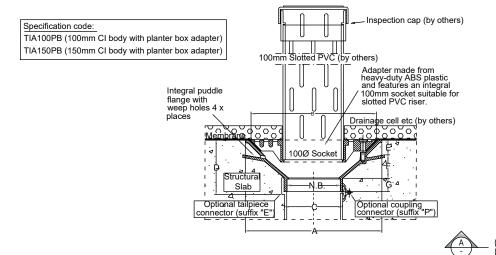
^{*}For flow rate data please refer to appendix.

FLOOR DRAIN - FD



SUB-SOIL DRAINAGE (AG.LNE)

SPS Truflo 100mm & 150mm RWO with All-purpose Planter Box Adapter

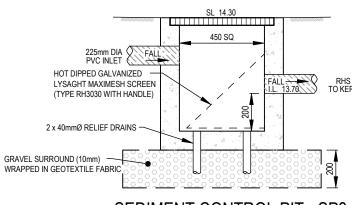


Dimensions (mm)								
Α	В	С	D	E	F	G		
260	240	103	106	28	45	25		
260	240	151	86	28	37	25		

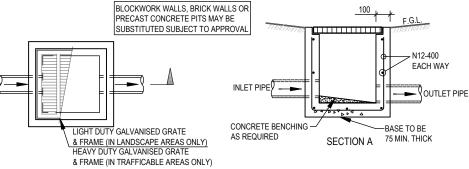
PLANTER GRATE - PG

N.B

100



SEDIMENT CONTROL PIT - SP3



TYPICAL PIT (SIP)

ALL PROPOSED SITE PITS ARE TO BE CONSTRUCTED IN CONCRETE CAST IN SITU, PLASTIC OR BRICK PITS ARE NOT ACCEPTABLE HOWEVER 'COUNCIL MAY CONSIDER PRE-CAST UNITS IF THE UNITS ARE PLACED ON A SOLID BASE OF GRAVEL OR CONCRETE OF 75mm THICK AND BACKFILL UP TO HALF THE DEPTH OF THE PIT SURROUND WITH CONCRETE.

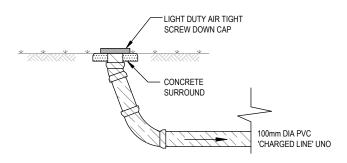
SHEET SIZEA3

JOB REFERENCE E230574

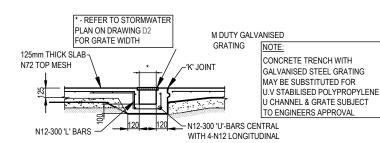
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No. IN SET 9



INSPECTION RISER - IR NTS

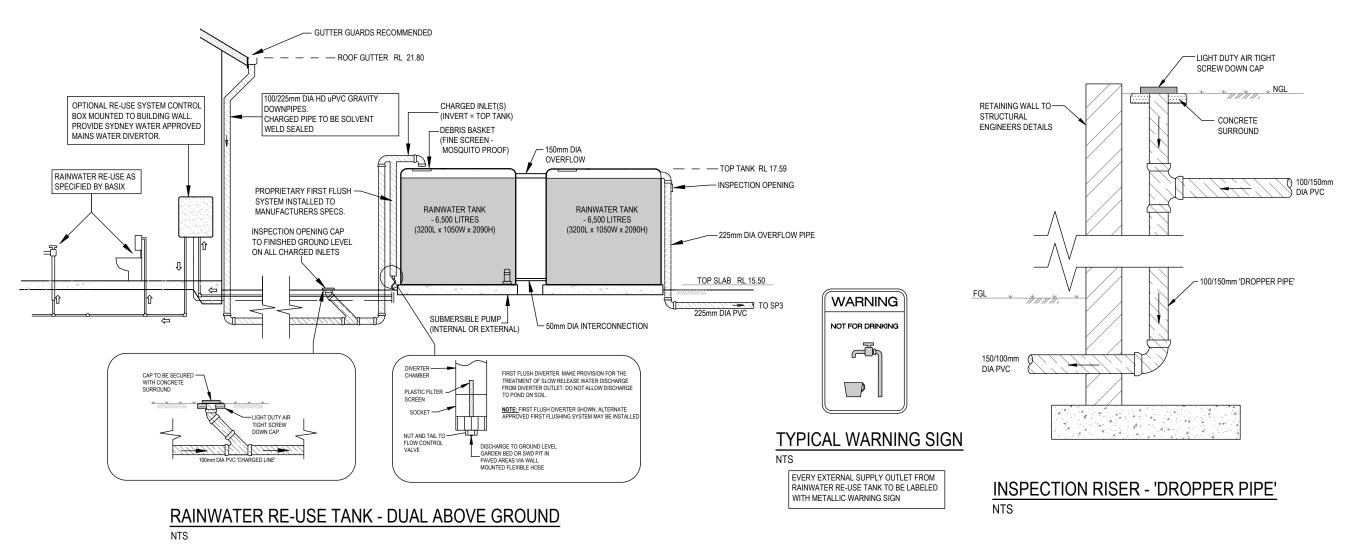


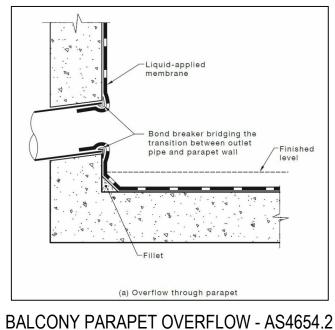
GRATED DRAIN

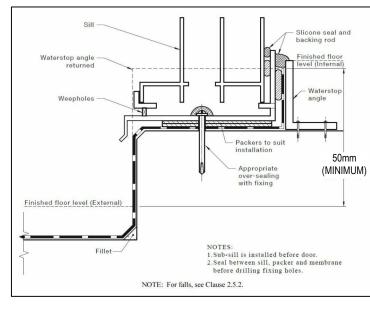
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EXISTING
GROUND LEVEL

RETAINING WALL AND
DRAINAGE AS PER
ENGINEERS DETAILS

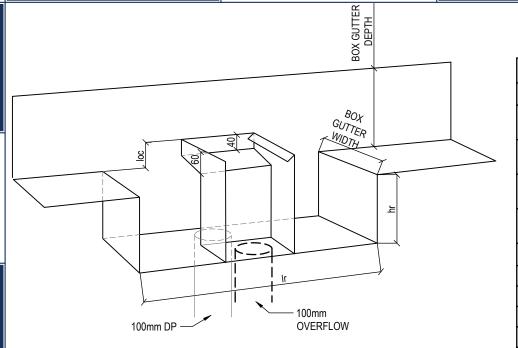
BIDIM FABRIC FULL HEIGHT BETWEEN GRANULAR
BACKFILL & GENERAL BACKFILL / EXCAVATION BATTER

100mm DIA SLOTTED PVC LINE WITH GEOTEXTILE SLEEVE
AND GRAVEL FILTER 196 MIN. GRADE TO BE CONNECTED
TO SUB SOIL DRAINAGE SYSTEM

RETAINING WALL (TYPICAL)
NTS

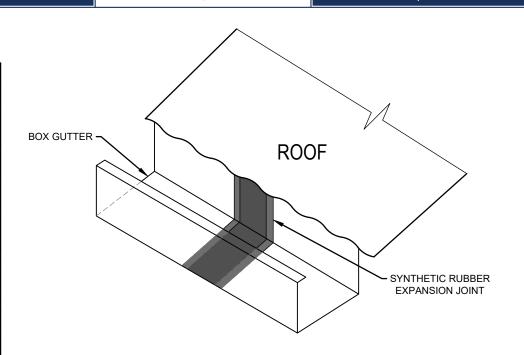
BALCONY MEMBRANE TERMINATION - AS4654.2

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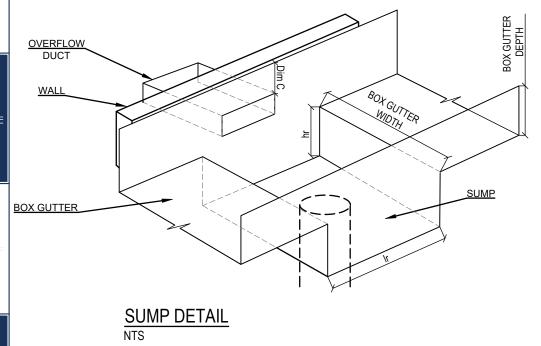


SUMP DETAIL (INTERNAL OVERFLOW)

DIMENSIONS (mm)							
	BOX GUTTER #1	BOX GUTTER #2					
CATCHMENT AREA TO DOWNPIPE	35m ² - 3.5L/s	310m ² - 25L/s					
WIDTH OF BOX GUTTER	300	700					
DEPTH OF BOX GUTTER (AT HP)	110	130					
DEPTH OF BOX GUTTER (AT SUMP)	160	210					
SLOPE OF BOX GUTTER	1:200	1:200					
SUMP WIDTH	300	700					
SUMP LENGTH (Ir)	600	700					
SUMP DEPTH (hr)	150	150					
CRITICAL DEPTH (loc)	30	35					
DOWNPIPE DIA	100	225					
ROOF DRAINAGE DESIGNED FOR 1	ROOF DRAINAGE DESIGNED FOR 100 YEAR ARI STORM EVENT (I = 267 mm/hr)						



BOX GUTTER - SYNTHETIC RUBBER EXPANSION JOINT



DIMENSIONS (mm)						
	BOX GUTTER #3					
CATCHMENT AREA TO DOWNPIPE	_15m ² - 1.1L/s					
WIDTH OF BOX GUTTER	200					
DEPTH OF BOX GUTTER (AT HP)	90					
DEPTH OF BOX GUTTER (AT SUMP)	110					
SLOPE OF BOX GUTTER	1:200					
SUMP WIDTH	200					
SUMP LENGTH (Ir)	400					
SUMP DEPTH (hr)	50					
OVERFLOW WIDTH	200					
OVERFLOW DEPTH	40					
DIMENSION C	40					
DOWNPIPE DIA	90					
ROOF DRAINAGE DESIGNED FOR 100 YEAR ARI STORM EVENT (I = 267 mm/hr)						

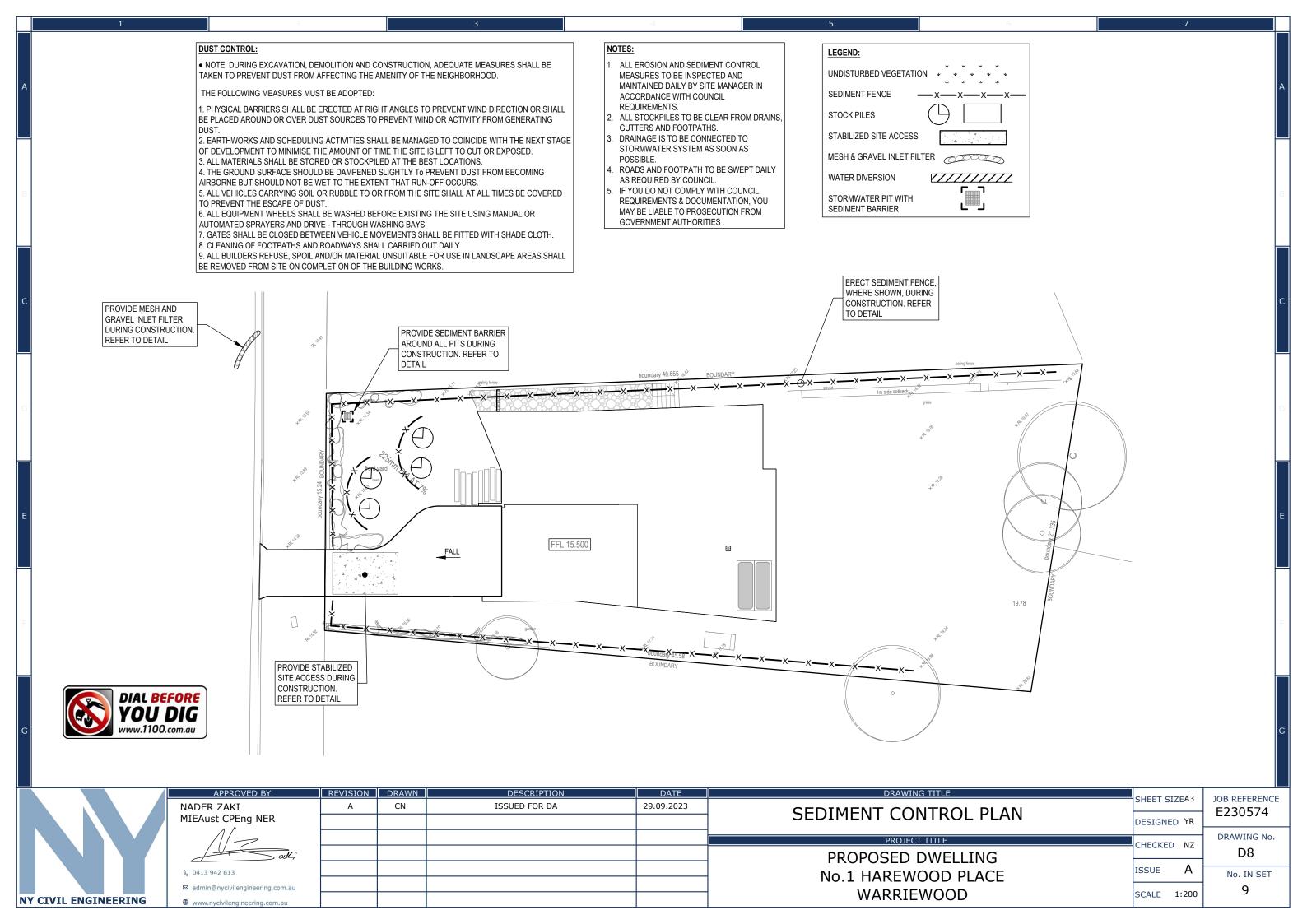
AS3500.3:2021 BOX GUTTER REQUIREMENTS									
MATERIALO	BASE METAL	MAXIMUM LENGTH B JOIN	MINIMUM EXPANSION						
MATERIALS	THICKNESS (mm)	ONE END FIXED AND ONE END FREE TO MOVE	BOTH ENDS FREE TO MOVE	SPACE (mm)					
ALUMINIUM	0.90	12	24	50					
	1.00	12	24						
	0.60	9	18						
COPPER	0.80	15	30	50					
	1.00	26	52						
STEEL	0.55	20	40	50					
	0.75	25	50						
STAINLESS STEEL	0.55	20	40	50					
PVC		10	20	30					
ZINC	0.80	10	20	50					

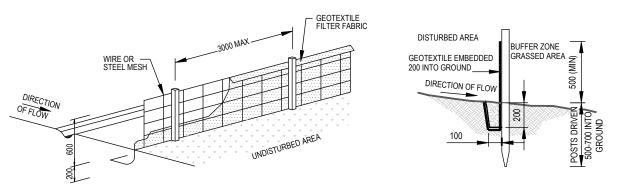
LAP JOINTS: FOR METAL GUTTERS WITH LAPS BETWEEN 20 mm TO 25 mm THE LAP SHALL BE FULLY SEALED. WIDER LAPS SHALL BE SEALED AND FASTENED AT EACH END OF THE LAP RATHER THAN FILLING THE TOTAL AREA.

GRADIENTS: GRADIENTS SHALL BE NOT FLATTER THAN 1:200 FOR SOLE WIDTHS EQUAL TO OR LESS THAN 600 mm WIDE. DEVIATIONS FROM THESE GRADIENTS SHALL BE SMOOTH AND NOT CAUSE PERMANENT PONDING.

OUTLETS: OUTLETS SHALL DISCHARGE THROUGH EITHER A RAINHEAD OR A SUMP.

	APPROVED BY	REVISION	DRAWN	DESCRIPTION	DATE	DRAWING TITLE	SHEET SIZEA3	JOB REFERENCE
	NADER ZAKI	А	CN	ISSUED FOR DA	29.09.2023	CTODMINIATED DETAIL C	SHEET SIZEAS	E230574
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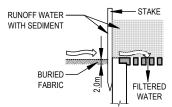




SEDIMENT FENCE DETAIL

CONSTRUCTION NOTES:

- CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENTS AREA OF ANY ONE SECTION. THE CATCHMENTS AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10 YEAR EVENT
- CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
- DRIVE 1.5m LONG STAR PICKETS INTO GROUND AT 2.5m INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
 FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS
- ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
- JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH 150mm OVERLAP.
- BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.



SEDIMENT BARRIER AROUND PIT

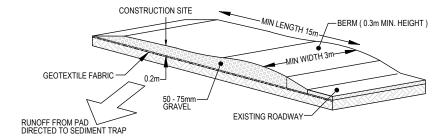
- FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR
- FOLLOW STRAW FILTER AND SEDIMENT FENCE FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METRE CENTRES.
- IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING
- DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT

ROLL OF WIRE MESH AND GEOTEXTILE FILTER FABRIC FILLED WITH

MESH AND GRAVEL FILTER

CONSTRUCTION NOTES:

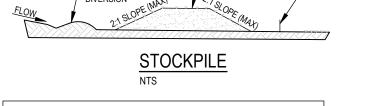
- INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS
- FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
- FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm(h) x 400mm(w).
- PLACE THE FILTER AT THE OPENING LEAVING AT LEAST 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
- FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
- SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.



STABILIZED SITE ACCESS

CONSTRUCTION NOTES:

- STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE
- COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE
 CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD
- BASED OR 30mm AGGREGATE
- ENSURE THE STRUCTURE IS AT LEAST 15m LONG OR TO BUILD ALIGNMENT AND AT LEAST 3 METERS WIDE
- WHERE A SEDIMENT FENCE JOINS ONTO THE STABILIZED ACCESS, CONSTRUCT A HUMP IN THE STABILIZED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.



-STABILIZE STOCKPILE

-SEDIMENT FENCE

- PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METERS FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
- CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METERS IN HEIGHT
- WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILIZE FOLLOWING
- THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10. CONSTRUCT EARTH BANKS (LOW FLOW) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 TO 2 METERS ON THE DOWNSLOPE



ISSUED FOR DA 29.09.2023 NADER ZAKI MIEAust CPEng NER **%** 0413 942 613 ☑ admin@nycivilengineering.com.au www.nycivilengineering.com.au

SEDIMENT CONTROL DETAILS

PROPOSED DWELLING No.1 HAREWOOD PLACE WARRIEWOOD

SHEET SIZEA3 JOB REFERENCE E230574 DESIGNED YR DRAWING No.

CHECKED NZ D9 Α No. IN SET

9 SCALE AS NOTED

ISSUE