

GENERAL WINDOW AND DOOR NOTE:

All windows to be Powder Coated Aluminium with fly screens. Front door to be Solid Core Timber Feature door. Garage Doors; Automatic Panel lift

All other external doors to be Powder Coated Aluminium.

EXTERNAL CLADDINGS:

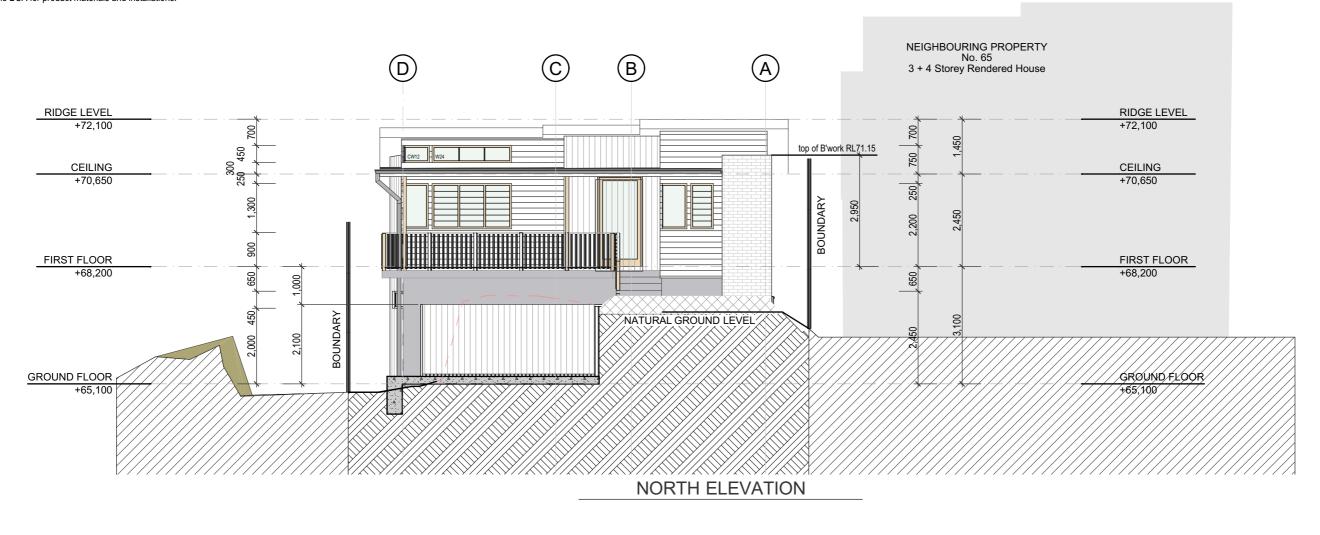
All claddings to be compliant with the requirements of NCC 2019 vol 2 part 3.5 of the BCA particularly with respect to the referenced Acceptable Construction Practice as detailed in the BCA for product materials and installations.

All roofing to be compliant with the requirements of NCC 2019 vol 2 part 3.5 of the BCA particularly with respect to the referenced Acceptable Construction Practice as detailed in the BCA for product materials and installations.



THIS PLAN IS TO BE READ IN **CONJUNCTION WITH** THE CONDITIONS OF DEVELOPMENT CONSENT

DA2022/0901



SURVEY DETAILS PROVIDED BY C.M.S. SURVEYORS DEE WHY











LOUISE **STRUTHERS** and MATT **TRUMAN**

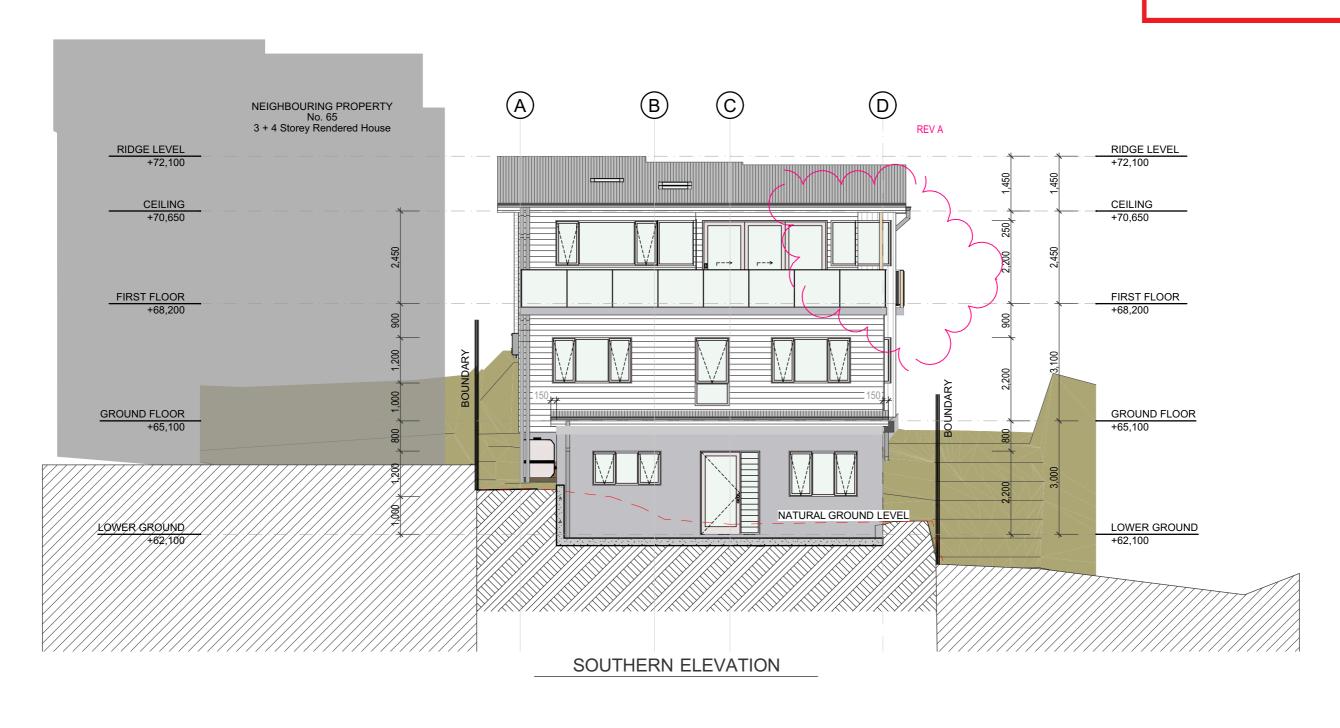
Drawing Title

PROPOSED RESIDENCE **67 QUIRK STREET DEE WHY 2099 ELEVATION SHEET 1**

REV A: MODIFIED TO SUIT COUNCIL REQUESTS 26/10/2022 21-0713

Friday, 1 April S.G.







Client LOUISE **STRUTHERS** and MATT **TRUMAN**

PROPOSED RESIDENCE **67 QUIRK STREET DEE WHY 2099** Drawing Title Friday, 1 April S.G. **ELEVATION SHEET 2**











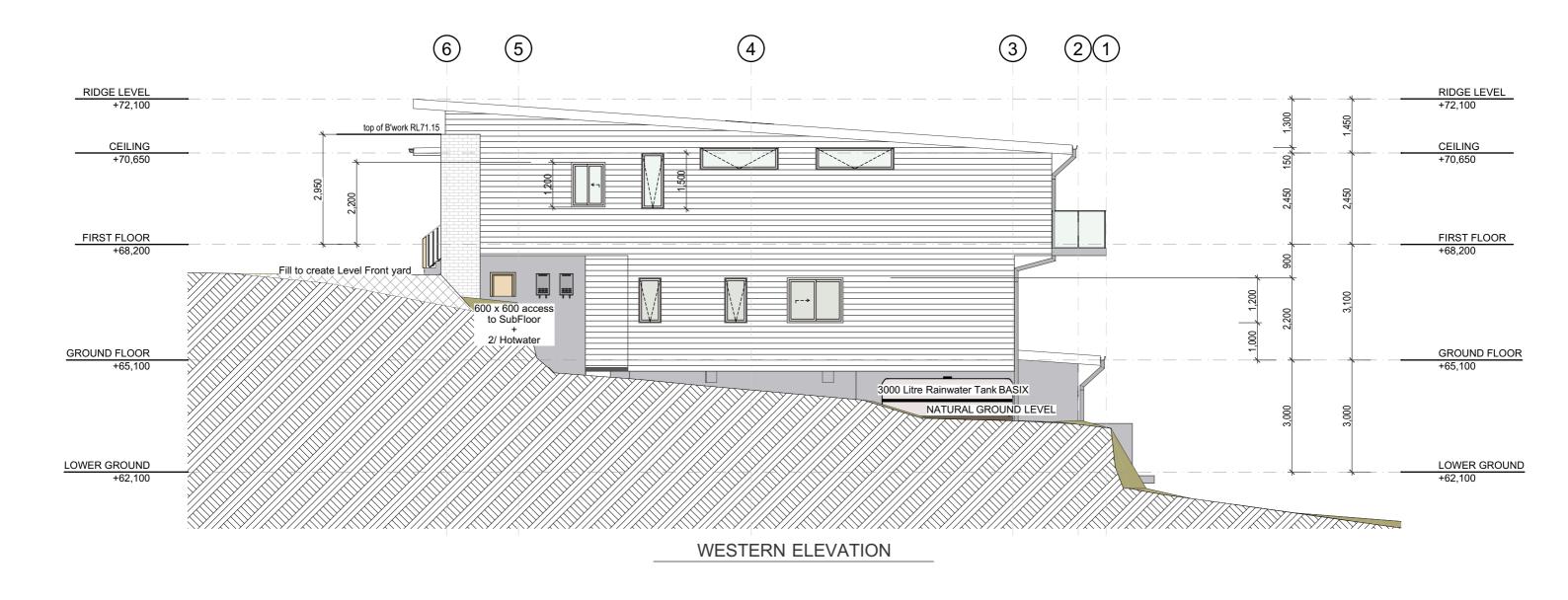






	PROPOSED RESIDENCE	Scale	1:100	Job Number	1-0713
	67 QUIRK STREET DEE WHY 2099	Date			Drawing No.
	Drawing Title		Friday, 1 April	S.G.	A7
-	ELEVATIONS SHEET 3		2022		









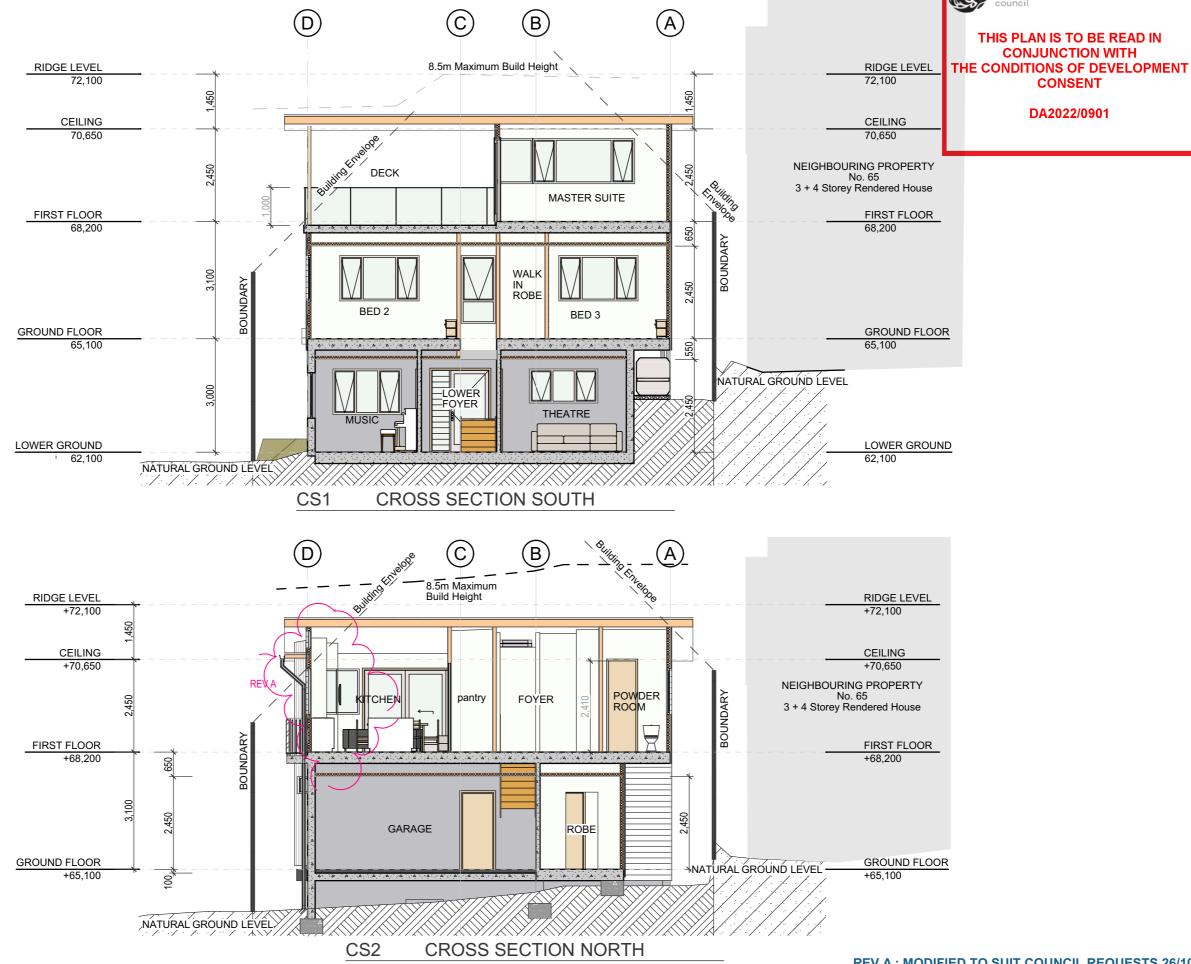






Client LOUISE **STRUTHERS** and MATT **TRUMAN**

PROPOSED RESIDENCE **67 QUIRK STREET DEE WHY 2099** Drawing Title **ELEVATIONS SHEET 4**









Client LOUISE **STRUTHERS** and MATT **TRUMAN**

PROPOSED RESIDENCE **67 QUIRK STREET DEE WHY 2099** Drawing Title **SECTIONS SHEET 1**

REV A: MODIFIED TO SUIT COUNCIL REQUESTS 26/10/2022 21-0713 **A9** Friday, 1 April S.G.

beaches

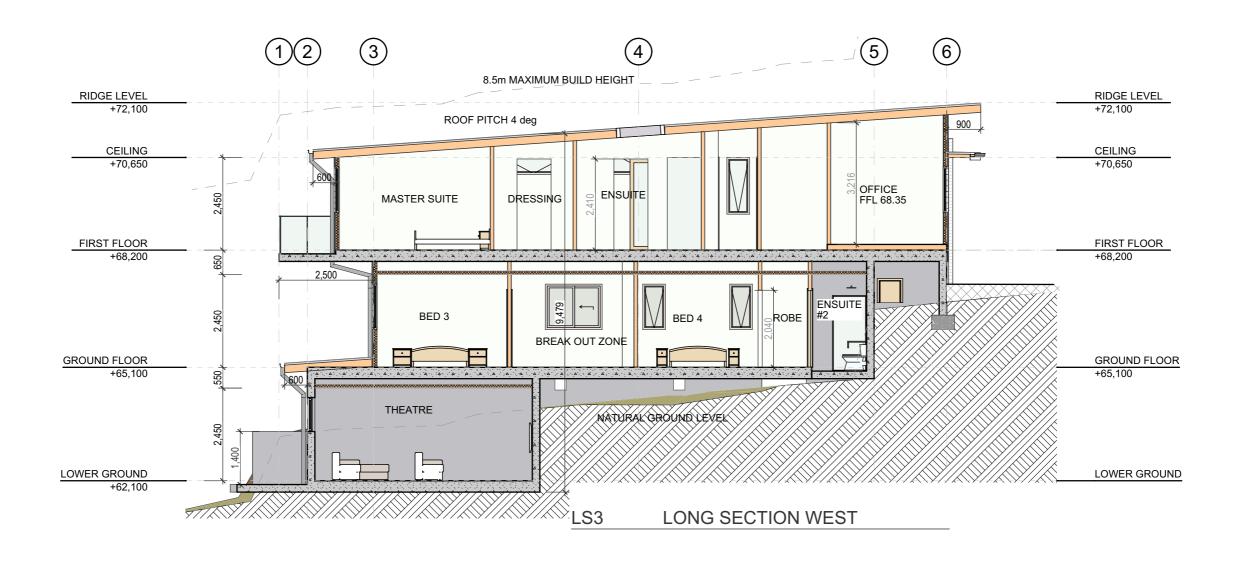
CONJUNCTION WITH

CONSENT

DA2022/0901



DA2022/0901



SURVEY DETAILS PROVIDED BY C.M.S. SURVEYORS DEE WHY



21-0713

A10





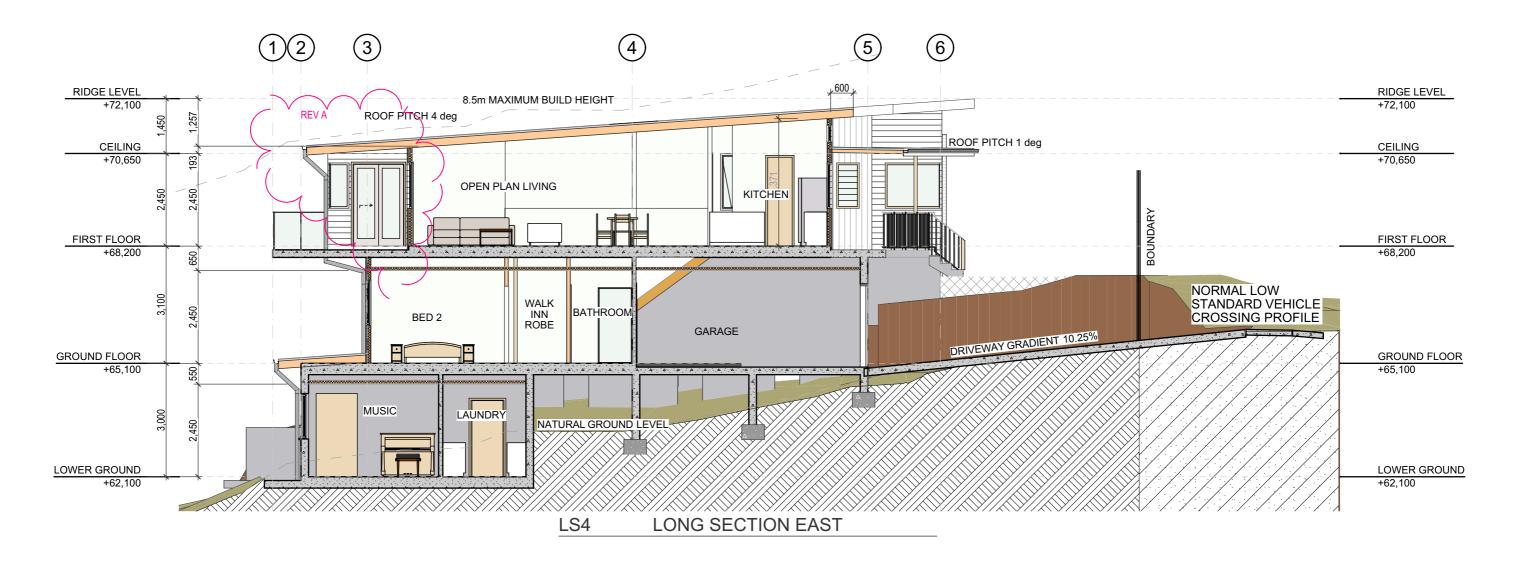




Client LOUISE **STRUTHERS** and MATT **TRUMAN**

PROPOSED RESIDENCE **67 QUIRK STREET DEE WHY 2099** Drawing Title Friday, 1 April S.G. **SECTIONS SHEET 2**









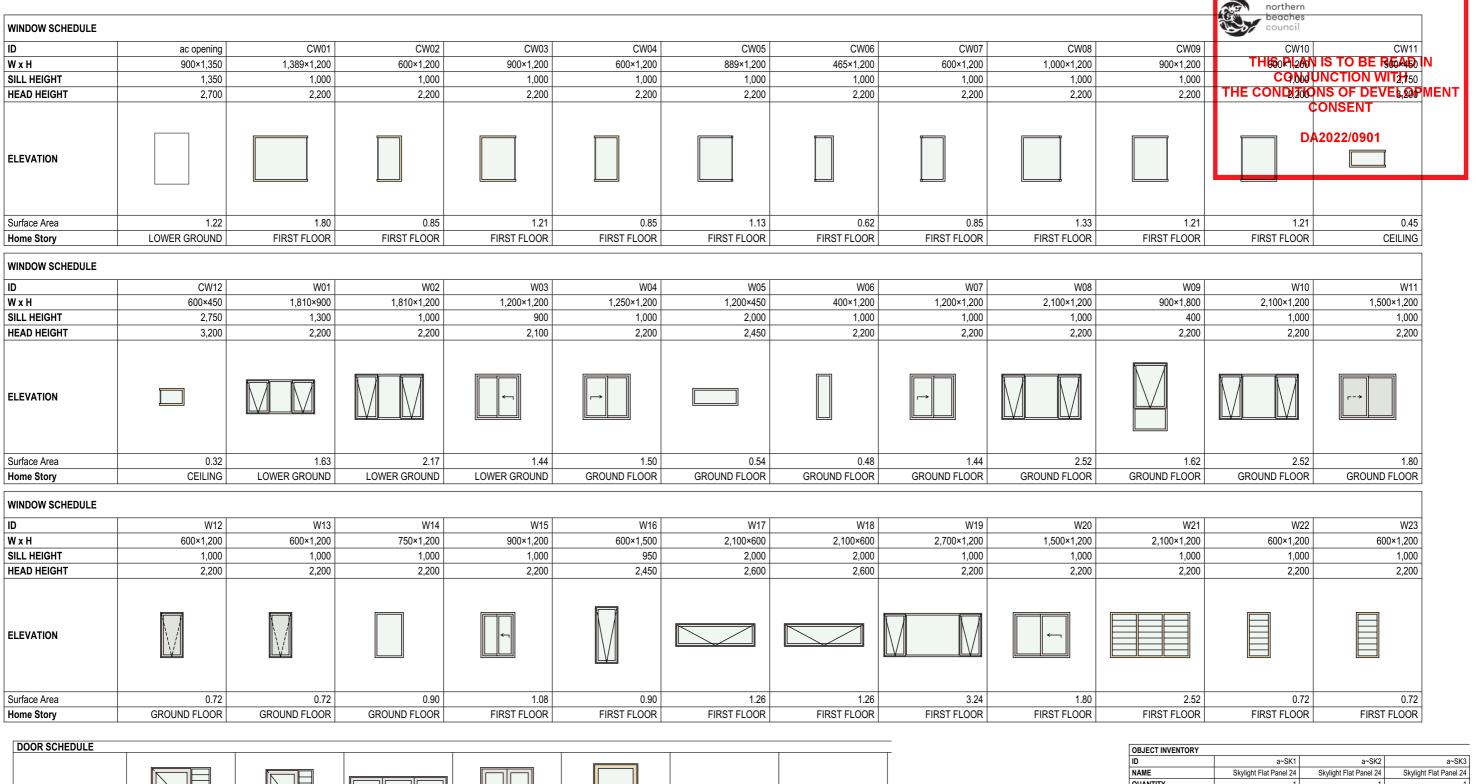






Client LOUISE **STRUTHERS** and MATT TRUMAN

PROPOSED RESIDENCE **67 QUIRK STREET DEE WHY 2099** Drawing Title **SECTIONS SHEET 3**



DOOR SCHEDULE							
ID	D01	D02	D03	D04	D05	D06	D07
WxH	1,570×2,200	1,250×2,100	3,300×2,200	1,400×2,200	1,120×2,372	5,050×2,250	900×1,200
Home Story	LOWER GROUND	LOWER GROUND	FIRST FLOOR	FIRST FLOOR	FIRST FLOOR	GROUND FLOOR	LOWER GROUND
Surface Area	3.45	2.63	7.26	3.08	2.82	11.36	1.08

ID	a~SK1	a~SK2	a~SK3
NAME	Skylight Flat Panel 24	Skylight Flat Panel 24	Skylight Flat Panel 24
QUANTITY	1	1	1
LENGHT (A)	876	876	876
WIDTH (B)	1,181	1,181	1,181
HEIGHT	250	250	250
2D			
3D PREVIEW			

NOT FOR CONSTRUCTION

SURVEY DETAILS PROVIDED BY C.M.S. SURVEYORS DEE WHY









Client LOUISE **STRUTHERS** and MATT TRUMAN

Drawing Title

		1.1		
PROPOSED RESIDENCE	Scale	1:1,33	Job Number	1-0713
67 QUIRK STREET DEE WHY 2099	Date		Drawn	Drawing No.
WINDOW & DOOR SCHEDULES		Friday, 1 April	S.G.	N2





THIS PLAN IS TO BE READ IN
CONJUNCTION WITH
THE CONDITIONS OF DEVELOPMENT
CONSENT
May 2022

DA2022/0901

External Finishes Schedule

67 Quirk St, Dee Why

Colorbond Roof Sheeting	Windspray (or similar)
Gutters	Surfmist (or similar)
Fibre Cement Cladding	Hardies Scyon Linea in Dulux White Verdict half (or similar)
Rendered Walls	Dulux White Exchange (or similar)
Windows	APO Grey (or similar)
Feature Timber Cladding	Hardies Axon 133 overlaid with vertical timber battens Dulux White Exchange (or similar)
Stone feature	Light coloured rock face sandstone (or similar)
Entry Deck	Blackbutt Timber (or similar)
Balustrade	Vertical timber in Dulux White Exchange (or similar)

Colorbond Roof/Gutter

WINDSPRAY	SURFMIST	WINDOWS - APO Grey

Fibre Cement Cladding	Render	Rock Face Sandstone	Timber Decking
Dulux White Verdict	Dulux White Exchange		

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E: info@peninsulahomes.com.au www.peninsulahomes.com.au

2. DO NOT SCALE FROM THESE DRAWING.

3. ALL DIMENSIONS ARE TO BE VERIFIED ON SITE BY THE BUILDER BEFORE COMMENCING WITH ASSOCIATED WORK.

STORMWATER NOTES:

GENERAL:

AI. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS (LATEST VERSION) AND THE REQUIREMENTS OF THE LOCAL COUNCIL AND ANY APPLICABLE AUTHORITIES. A2. ALL LEVELS SHOWN ARE TO THE AUSTRALIAN HEIGHT DATUM (AHD) UNLESS NOTED OTHERWISE. A3. THE LOCATION OF ALL DRAINAGE ELEMENTS ARE SHOWN INDICATIVELY BASED ON AVAILABLE SURVEY OR OTHER INFORMATION. ALL DRAINAGE ELEMENTS ARE TO BE INSTALLED WITH CONSIDERATION TO SITE CONSTRAINTS AND THE INTENT OF THE DRAINAGE CONCEPT.

A4. ANY MATERIAL VARIATIONS TO THE DRAINAGE CONCEPT OR DETAILED STORMWATER ELEMENTS MUST BE APPROVED BY NORTHERN BEACHES CONSULTING ENGINEERS PTY LTD PRIOR TO COMMENCEMENT

A5. ANY EXCAVATION OR TRENCHING FOR SERVICES ADJACENT TO A STRUCTURE OR PROPERTY BOUNDARY MUST NOT ENCROACH ON THE 'ZONE OF INFLUENCE', REFER TO THE NCC FOR FURTHER DETAILS.

GENERAL CONSTRUCTION NOTES:

BI. CONTRACTORS TO LOCATE ALL EXISTING SERVICES PRIOR TO EXCAVATION AND NOTIFY ENGINEER OF ANY POTENTIAL CLASHES WITH THE PROPOSED STORMWATER DRAINAGE SYSTEM.

B2. ANY ELEMENTS OF THE EXISTING STORMWATER SYSTEM WHICH ARE PROPOSED TO BE RETAINED MUST BE INSPECTED AND APPROVED BY AN ENGINEER PRIOR TO CONSTRUCTION AS BOTH HAVING ADEQUATE CAPACITY TO CATER FOR THE RUNOFF DIRECTED TO IT AND BEING IN ADEQUATE CONDITION FOR USE.

B3. EXISTING STORMWATER SYSTEM ALSO TO BE INSPECTED BY A SUITABLY QUALIFIED PLUMBER PRIOR TO CONSTRUCTION AND UPGRADED AS REQUIRED IN ACCORDANCE WITH AS3500.3.

B4. CARE SHOULD BE TAKEN WHEN UNDERTAKING WORKS IN THE VICINITY OF TREES NOT TO DISTURB THE TREE ROOT SYSTEM. HAND DIGGING OF TRENCHES MAY BE REQUIRED SUBJECT TO THE PROJECT ARBORISTS REQUIREMENTS. REFER TO THE ARBORIST REPORT FOR EXCAVATION REQUIREMENTS SURROUNDING PROTECTED TREE ROOT ZONES.

B5. SWIMMING POOL SURCHARGE OVERFLOW TO BE CONNECTED VIA GRAVITY TO THE SEWER IN ACCORDANCE WITH AS3500. DETAILS AND CERTIFICATION BY OTHERS.

B6. EXTENT, ALIGNMENT, DEPTH AND CONDITION OF ANY COUNCIL STORMWATER PIPELINE WITHIN A DEVELOPMENT SITE MUST BE VERIFIED PRIOR TO CONSTRUCTION AND THE ENGINEER MUST BE NOTIFIED UPON VERIFICATION. ANY NEW CONNECTION TO A COUNCIL STORMWATER PIPELINE WILL BE SUBJECT TO COUNCIL APPROVAL AND MUST BE INSTALLED IN ACCORDANCE WITH THE LOCAL COUNCIL SPECIFICATIONS.

PIPEWORK INSTALLATION:

CI. ALL PIPES TO BE MINIMUM 100mm & UNLESS NOTED OTHERWISE.

C2. ALL PIPES TO BE UPVC SEWER GRADE TO AS 1254 UNLESS NOTED OTHERWISE.

C3. ALL PIPES TO BE LAYED AT 1 % MINIMUM GRADE UNLESS NOTED OTHERWISE. C4. ALL CONNECTIONS INTO EXISTING PIPES MUST BE MADE IN THE DIRECTION OF FLOW

C5. ANY NEW UPVC CONNECTIONS INTO EXISTING R.C. PIPES MUST BE MADE INTO THE TOP HALF OF THE

PIPE USING A FLOWCON CONNECTION FITTING U.N.O C6. ALL PIPES SHALL BE LAID ON A 75mm SAND BED, COMPACTED TO 100% S.M.D.D. BELOW

PAVEMENTS. (NO COMPACTION REQUIRED BELOW LANDSCAPING) COVER TO SURFACE FROM TOP OF PIPE TO BE 300mm MINIMUM. BACKFILL TO BE ADEQUATELY CONSOLIDATED AROUND PIPES BY METHOD OF RAMMING AND WATERING IN. TRENCHES TO BE FILLED WITH NO-FINES GRANULAR MATERIAL AS SPECIFIED.

C7. ALL EXISTING EARTHENWARE PIPES TO BE UPGRADED TO UPVC.

C8. MINIMUM PIPE COVER TO ALL IN-GROUND PIPEWORK SHALL BE CARRIED OUT IN ACCORDANCE WITH TABLE 7.1 - AS3500.3.

C9. ALL SUSPENDED PIPE FIXINGS ARE TO BE CARRIED OUT IN ACCORDANCE WITH AS2032. CIO. ENSURE THAT ALL STORMWATER PITS AND PIPES ARE LOCATED CLEAR FROM TREE ROOT SYSTEMS.

CII. ALL PIPEWORK MUST BE INSTALLED WITHIN THE SITE BOUNDARY OF THE DEVELOPMENT SITE. ANY NEW OR EXISTING PIPEWORK EXTENDING THROUGH PRIVATE PROPERTY BEYOND THE BOUNDARY OF THE DEVELOPMENT SITE MUST BE CONTAINED SOLELY WITHIN A DRAINAGE EASEMENT. IF NO DRAINAGE EASEMENT EXISTS, A NEW DRAINAGE EASEMENT MUST BE SOUGHT AND REGISTERED PRIOR TO UTILISING OR INSTALLING PIPEWORK THROUGH NEIGHBOURING PROPERTIES. CONTACT THE ENGINEER IF A DRAINAGE EASEMENT CANNOT BE OBTAINED.

ROOF DRAINAGE:

DI. ALL DOWN PIPES TO BE 100mm & UNLESS NOTED OTHERWISE.

D2. DOWN PIPE LOCATIONS ARE INDICATIVE ONLY. LOCATIONS TO BE CONFIRMED WITH ARCHITECT PRIOR TO COMMENCEMENT OF WORK.

D3. PROVIDE CLEANING EYES AT ALL DOWNPIPES.

D4. GUTTER GUARDS MUST BE INSTALLED ON ALL GUTTERS UNLESS NOTED OTHERWISE.

D5. ALL EAVES GUTTER AND VALLEY GUTTER SYSTEMS MUST BE INSTALLED IN ACCORDANCE WITH AS3500.3 REQUIREMENTS.

D6. ALL BOX GUTTER SYSTEMS MUST BE INSTALLED STRICTLY IN ACCORDANCE WITH THE DETAILS SHOWN ON THE APPROVED STORMWATER MANAGEMENT PLAN. IF NO DETAILS ARE SHOWN, THE BOX GUTTER SYSTEM MUST BE INSTALLED IN ACCORDANCE WITH AS3500.3. IF ANY CHANGE TO THE BOX GUTTER SYSTEM CONFIGURATION IS PROPOSED, THE ENGINEER MUST BE NOTIFIED FOR A RE-DESIGN. IF THE INSTALLED BOX GUTTER DOES NOT STRICTLY COMPLY WITH THE DESIGN DETAILED ON THE STORMWATER MANAGEMENT PLAN, CERTIFICATION OF THE HYDRAULIC SYSTEM MAY BE REFUSED. D7. ALL GREEN ROOFS, PEBBLED ROOFS AND PLANTERS WITH A CONCRETE BASE MUST BE

WATERPROOFED AND HAVE DRAINAGE CELL INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION.

PITS:

EI. ALL STORMWATER PITS MUST BE INSTALLED IN ACCORDANCE WITH AS3500.3. E2. ALL CONCRETE PITS TO BE CAST INSITU OR, IF PRECAST, APPROVED BY ENGINEER. CAST INSITU

PITS TO HAVE 150mm THICK CONCRETE WALLS AND BASE. WALLS TO BE REINFORCED WITH 1 N12 TOP TIE UNLESS NOTED OTHERWISE. CAST INSITU PITS GREATER THAN 900 DEEP TO BE MINIMUM 900x600 AND TO HAVE 150mm THICK CONCRETE WALLS AND BASE. WALLS TO BE REINFORCED WITH NI2 AT 300 EACH WAY UNLESS NOTED OTHERWISE.

E3. MINIMUM INTERNAL DIMENSIONS FOR STORMWATER AND INLET PITS TO BE IN ACCORDANCE WITH TABLE 8.2, AS3500.3.

E4. ALL PITS GREATER THAN 1200mm DEEP SHALL HAVE STEP IRONS INSTALLED. STEP IRON INSTALLATION MUST BE IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS.



Consulting Engineers

STRUCTURAL - CIVIL - STORMWATER - REMEDIAL

E5. THE BOUNDARY OR SILT ARRESTOR PIT MUST INCORPORATE A SUMP OF MINIMUM 200mm DEPTH BELOW THE INVERT OF THE OUTLET PIPE AND A MAXI-MESH SCREEN AS PER LOCAL COUNCIL AND THE AUSTRALIAN STANDARD REQUIREMENTS. HOWEVER, UNLESS SPECIFICALLY REQUIRED BY COUNCILS POLICY OR IF THE SITE CONSISTS OF A CLAY OR ROCK SUBGRADE, ALL OTHER DRAINAGE PITS WILL NOT REQUIRE A SUMP.

E6. ALL STORMWATER PITS TO BE LOCATED AT LOW POINTS TO PREVENT PONDED WATER. E7. FOR STORMWATER PITS LOCATED BELOW THE WATER TABLE, CUT INTO ROCK OR IN POORLY DRAINED SOILS, THE PIT SUMP MAY BE FILLED WITH MORTAR AND SCREEDED TOWARDS THE OUTLET AT MINIMUM 1% FALL, SUBJECT TO THE ENGINEERS APPROVAL.

SUBSOIL DRAINAGE:

FI. ALL SUBSOIL DRAINAGE TO BE INSTALLED AS REQUIRED IN ACCORDANCE WITH AS3500.3 (SPECIFICALLY SECTION 6, 7 AND APPENDIX M) AND THE NCC.

F2. INSTALLATION OF SUBSOIL DRAINAGE LINES IS GENERALLY REQUIRED WHERE SUBSURFACE WATER MOVEMENT COULD DAMAGE BUILDINGS OR CAUSE LOSS OF AMENITY THROUGH THE BUILD-UP OF EXCESSIVE MOISTURE OR LATERAL WATER PRESSURE. THIS INCLUDES ALONG WALLS THAT IMPEDE THE NATURAL FLOW OF GROUNDWATER. ON THE UPHILL SIDE OF CUT AND FILL SITES. ADJACENT TO DEEP FOOTINGS, BEHIND RETAINING WALLS AND ADJACENT TO BASEMENT WALLS. SUBSOIL DRAINAGE IS GENERALLY ALSO REQUIRED IN SHALLOW LANDSCAPED AREAS OVER ROCK OR POORLY DRAINED SOILS TO PREVENT OVERLY SATURATED LANDSCAPED AREAS.

F3. THE INSTALLATION OF SUBSOIL DRAINAGE MAY REQUIRE TRENCHING THROUGH ROCK.

F4. ALL SUBSOIL LINES ARE TO BE 100mm UPVC SLOTTED PIPE (UNSOCKED), LAID AT (MIN.) 0.5% FALL

F5. THE SUBSOIL LINE IS TO BE SURROUNDED BY SELECT FILTER MATERIAL, GENERALLY 10-20mm DIAMETER AGGREGATE.

F6. THE TRENCH SHALL BE SIZED TO PROVIDE A MINIMUM 50mm BEDDING AND 100mm COVER ALL AROUND THE SUBSOIL LINE, GENERALLY MINIMUM 300mm WIDE X 300mm DEEP. THE TRENCH IS TO BE WRAPPED ALL-ROUND IN NON-WOVEN, GEOTEXTILE FABRIC OF STRENGTH CLASS A, WITH SUFFICIENT OVERLAP (LESSER OF TRENCH WIDTH OR 500mm).

F7. WHERE THE IN-SITU SOILS HAVE A GRAIN SIZE SMALLER THAN THE GEOTEXTILE FABRIC, COURSE WASHED-SAND SHOULD BE USED AS A FILTER TO PREVENT BLOCKAGE OF THE GEOFABRIC. F8. THE BACKFILL LAYER OVER THE TRENCH SHALL BE NO-FINES COURSE WASHED-SAND. WHERE LANDSCAPED AREAS ARE PROPOSED OVER THE TRENCH, THE TOP 300mm OF BACKFILL MAY BE MIXED WITH UP TO 20% ORGANIC MATTER.

F9. ALL SUBSOIL LINES ARE TO DISCHARGE INTO A GRATED PIT, AT A LEVEL MINIMUM 50mm ABOVE THE PIT OUTLET UNO. THE PROJECT BUILDER IS TO IMPLEMENT APPROPRIATE MEASURES TO PREVENT SUBSOIL LINE BLOCKAGE OR INFESTATION OF VERMIN.

FIO. THE HIGH-END OF THE SUBSOIL LINE IS TO BE TURNED UP AT 45° AND TERMINATE AT GROUND LEVEL WITH AN INSPECTION CAP TO ENABLE FUTURE FLUSH OUT AND MAINTENANCE.

FIL 100mm \$\psi\$ x 3000 LONG TAIL OUT SUBSOIL LINE TO BE PROVIDED ON THE UPSTREAM SIDE OF ALL LARGE PITS OR IN AREAS WITH HIGH SEEPAGE FLOWS. SUBSOIL LINE TO BE COVERED WITH GEOTEXTILE FILTER SOCK FOR THE FULL LENGTH AND END COVERED. BACKFILL MUST BE IN NO-FINES COARSE

CHARGED SYSTEM:

GI. ALL PIPEWORK IN A CHARGED SYSTEM TO BE 100mm \$\phi\$ UPVC PRESSURE OR SEWER GRADE PIPES WITH ALL JOINTS PRESSURE SEALED TO A MINIMUM OF 1,000mm (UNLESS NOTED OTHERWISE) ABOVE THE INLET OF THE DISCHARGE POINT. ALL JOINTS TO BE SOLVENT WELDED IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS.

G2. ALL CHARGED SYSTEMS MUST HAVE A BLEED OUT LINE AT THE LOW POINT IN THE CHARGED SYSTEM WHICH MUST BE CONNECTED TO A FLUSH OUT PIT VIA GRAVITY. THE BLEED LINE MUST BE MAINTAINED AND REGULARLY FLUSHED OUT.

ON-SITE DETENTION NOTES:

HI. ORIFICE PLATE MUST BE INSTALLED PRIOR TO INSTALLATION OF THE ROOF DRAINAGE SYSTEM AND CONNECTION OF THE SITE STORMWATER SYSTEM TO THE ON-SITE DETENTION TANK

H2. THE HEIGHT DIFFERENCE (H*) BETWEEN THE ORIFICE CENTRELINE AND THE TOP WATER LEVEL OF THE ON-SITE DETENTION TANK MUST BE CONSTRUCTED IN ACCORDANCE WITH THE STORMWATER MANAGEMENT PLAN. IF H* CHANGES DUE TO SITE CONDITIONS, THE ENGINEER MUST BE NOTIFIED FOR AN ORIFICE PLATE SIZE ADJUSTMENT

H3. ANY PIPE FITTINGS FOR BELOW GROUND ON-SITE DETENTION TANKS MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.

H4. ACCESS HATCHES MUST BE INSTALLED AT BOTH ENDS OF THE ON-SITE DETENTION TANK. IF THE DEPTH OF THE TANK IS GREATER THAN 1200mm, STEPS IRONS MUST BE INSTALLED IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS.

H5. ABOVE GROUND ON-SITE DETENTION BASINS MUST NOT EXCEED A PONDING DEPTH OF 300mm, UNLESS NOTED OTHERWISE. THE BUILDER MUST ENSURE THAT THE REQUIRED DETENTION VOLUME IS ACHIEVED DURING CONSTRUCTION. A WORK-AS-EXECUTED PLAN DETAILING THE FINISHED LEVELS AND VOLUME OF THE ON-SITE DETENTION BASIN MUST BE CARRIED OUT AT THE COMPLETION OF WORKS BY A REGISTERED SURVEYOR AND APPROVED BY THE ENGINEER PRIOR TO FINAL CERTIFICATION. SURFACE DRAINAGE:

JI. WHEN LAND FALLS TOWARDS A BUILDING, INCLUDING LAND UPSLOPE OF THE PROPERTY BOUNDARY, GROUND SURFACE LEVELS ADJACENT TO THE BUILDING ARE TO BE REGRADED SUCH THAT THE FIRST METRE HAS MINIMUM 50mm FALL AWAY FROM THE BUILDING, GENERALLY IN ACCORDANCE WITH THE

J2. ANY NEW DEVELOPMENT WORKS MUST NOT CREATE ANY TRAPPED SURFACE AREAS. IN SUCH CASES WHERE TRAPPED AREAS EXIST, SWALE DRAINS OR GRATED PITS WITH PIPED OUTLETS OF ADEQUATE CAPACITY MAY BE REQUIRED TO ROUTE RUNOFF AROUND THE BUILDING TO AN APPROVED DISCHARGE POINT. IF THE TRAPPED AREA IS BELOW THE NATURAL SURFACE LEVEL, A PUMP OUT SYSTEM MAY BE REQUIRED. IN EITHER CASE, THE PROJECT ENGINEER MUST BE CONTACTED FOR DESIGN DETAILS (AS REQUIRED) PRIOR TO CONSTRUCTION.

J3. BUILDER TO PROVIDE A MINIMUM 100mm WIDE x 30mm HIGH OR 50mm DIA OVERFLOW FOR EVERY 6m2 OF EXPOSED AREA THAT IS TRAPPED OR SURROUNDED BY HOBS/BALUSTRADES/WALLS/ETC. THE FULL OVERFLOW DEPTH MUST BE LOCATED BELOW ANY ADJACENT INTERNAL FLOOR LEVELS OR OPENINGS TO PROTECT AGAINST WATER INGRESS DUE TO BLOCKAGE OF THE PRIMARY OUTLET(S).

RAINWATER RE-USE TANKS:

KI: CONSIDERING THE ROOF CATCHMENT AREA, LOCATION OF PROPERTY, INTENDED USE OF RAINWATER AND GARDEN SIZE WE RECOMMEND PROVIDING A RAINWATER TANK FOR USE AS PER BASIX REQUIREMENTS, SYDNEY WATER AND NSW HEALTH REQUIREMENTS FOR NON DRINKING USE ONLY. K2: THE TANKS PROVIDED WILL REDUCE PRESSURE ON COUNCIL'S STORMWATER INFRASTRUCTURE. K3: REFERENCES: COOMBES P.J. & KUCZERA G. (2001), "RAINWATER TANK DESIGN FOR WATER SUPPLY & STORMWATER MANAGEMENT." STORMWATER INDUSTRY ASSOCIATION REGIONAL CONFERENCE. PATRICK DUPONT & STEVE SHACKLE, "RAINWATER" AUSTRALIAN GOVERNMENT (2004), "GUIDANCE ON USE OF RAINWATER TANKS"

K4: ALL CONNECTIONS TO PLUMBING AND RAINWATER TANKS TO BE IN ACCORDANCE WITH SYDNEY WATERS' GUIDE "INSTALLING A RAINWATER TANK" AVAILABLE AT www.sydneywater.com.au K5: PROVIDE A DUAL SUPPLY SYSTEM AND BACKFLOW PREVENTION SYSTEM IN ACCORDANCE WITH BASIX-DESIGN GUIDE FOR SINGLE DWELLINGS' BY NSW DEPARTMENT OF INFRASTRUCTURE, PLANING AND NATURAL RESOURCES.

K6: IF NOT SPECIFIED ON PLANS, THE FIRST FLUSH SYSTEM IS TO HAVE A MINIMUM SIZE OF 20L PER 100m2 OF ROOF CATCHMENT AREA PRIOR TO ENTERING THE RAINWATER TANK, INDIVIDUAL SITE ANALYSIS IS REQUIRED IN HEAVILY POLLUTED AREAS TO DETERMINE IF LARGER VOLUMES OF FIRST FLUSH RAINWATER ARE TO BE DIVERTED. IF IN DOUBT, CHECK WITH LOCAL HEALTH AUTHORITIES. K7: SCREENED DOWNPIPE RAINWATER HEAD OR OTHER SUITABLE LEAF AND DEBRIS DEVICE TO BE INSTALLED ON EACH DOWNPIPE. SCREEN MESH TO BE 4-6mm AND DESIGNED TO BE SELF-CLEANING. K8: FIRST FLUSH DEVICES, OR APPROVED ALTERNATIVE, TO BE INSTALLED WITH AN AUTOMATED DIVERSION AND DRAINAGE SYSTEM, THAT IS, NO MANUAL DIVERSION AND DRAINAGE VALVES. REFER TYPICAL FLUSH OUT PIT FOR DETAILS.

K9: BEFORE PURCHASING MATERIALS OR PAINT TO BE USED ON ROOF CATCHMENT AREAS, THE MANUFACTURER'S RECOMMENDATIONS ON LABELS AND BROCHURES FOR RAINWATER TANK SUITABILITY

TO BE READ AND ADHERED TO. KIO: PRE-STORAGE PITS FOR UNDERGROUND RAINWATER STORAGE TANKS AND FLUSH OUT PITS MAY ASSIST IN LIMITING SILT, AND PREVENT VERMIN, INSECTS (INCLUDING MOSQUITOES) AND DEBRIS FROM ENTERING THE RAINWATER STORAGE AREA.

KII: BUILDER/PLUMBER TO ENSURE THE INSTALLATION OF THE RAINWATER TANK SYSTEM IS IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS AND THE RAINWATER TANK DESIGN AND INSTALLATION HANDBOOK - HB 230-2008. IF IN DOUBT CONTACT ENGINEER.

KI2: RAINWATER TANK TO BE WATER PROOFED IN ACCORDANCE WITH HB 230-200B

STORMWATER RE-USE TANKS:

STI: BASIX RECOMMENDS PROVIDING A STORMWATER TANKS FOR USE AS PER BASIX REQUIREMENTS FOR THE FOLLOWING USES: a) TO WATER GARDEN AREAS

ST2: THE TANKS PROVIDED WILL REDUCE PRESSURE ON COUNCIL'S STORMWATER INFRASTRUCTURE. ST3: IF NOT SPECIFIED ON PLANS, THE FIRST FLUSH SYSTEM IS TO HAVE A MINIMUM SIZE OF 20L PER 100m2 OF ROOF CATCHMENT AREA PRIOR TO ENTERING THE RAINWATER TANK. INDIVIDUAL SITE ANALYSIS IS REQUIRED IN HEAVILY POLLUTED AREAS TO DETERMINE IF LARGER VOLUMES OF FIRST FLUSH RAINWATER ARE TO BE DIVERTED. IF IN DOUBT, CHECK WITH LOCAL HEALTH AUTHORITIES. ST4: SCREENED DOWNPIPE RAINWATER HEAD OR OTHER SUITABLE LEAF AND DEBRIS DEVICE TO BE INSTALLED ON EACH DOWNPIPE. SCREEN MESH TO BE 4-6mm AND DESIGNED TO BE SELF-CLEANING. ST5: FIRST FLUSH DEVICES, OR APPROVED ALTERNATIVES, TO BE INSTALLED WITH AN AUTOMATED DIVERSION AND DRAINAGE SYSTEM, THAT IS, NO MANUAL DIVERSION AND DRAINAGE VALVES. REFER TYPICAL FLUSH OUT PIT FOR DETAILS.

ST6: BEFORE PURCHASING MATERIALS OR PAINT TO BE USED ON ROOF CATCHMENT AREAS, THE MANUFACTURER'S RECOMMENDATIONS ON LABELS AND BROCHURES FOR RAINWATER TANK SUITABILITY TO BE READ AND ADHERED TO.

1. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION IF THE ISSUE beach DATE PRECEDES THE ISSUE DATE ON THE ARCHITECTURAL DRAWINGS. THIS PLAN IS TO BE READ IN THE 20ND CONSTRUCTION WITH EMEROM THIS DRAWING.

ALL DIMENSIONS ARE TO BE VERIFIED ON SITE BY THE BUILDER BEFORE COMMENCING WITH ASSOCIATED WORK

4. FOR GENERAL NOTES REFER TO DRAWING NUMBER: SOI.

DIAL BEFORE YOU DIG NOTE:

NO INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION ON OR NEAR THE SITE DEVELOPERS \$ EXCAVATORS MAY BE HELD FINANCIALLY RESPONSIBLE BY THE ASSET OWNER SHOULD THEY DAMAGE UNDERGROUND NETWORKS.

CARELESS DIGGING CAN:

- CAUSE DEATH OR SERIOUS INJURY TO WORKERS AND THE GENERAL PUBLIC

- INCONVENIENCE USERS OF ELECTRICITY, GAS, WATER AND COMMUNICATIONS - LEAD TO CRIMINAL PROSECUTION AND DAMAGES CLAIMS

- CAUSE EXPENSIVE FINANCIAL LOSSES TO BUSINESS - CUT OFF EMERGENCY SERVICES

- DELAY PROJECT COMPLETION TIMES WHILE THE DAMAGE IS



MINIMISE YOUR RISK AND DIAL BEFORE YOU DIG. - TEL. 1100

NORTHERN BEACHES COUNCIL (REGION 2) ON SITE DETENTION SYSTEM CALCULATION SHEET

EASEMENT REJECTED (REFER EMAIL)

 41.7 m^{-2}

LEVEL SPREADER

ADDRESS: 67 QUIRK STREET, DEE WHY

STEP 1: INTER- ALLOTMENT DRAINAGE EASMENT

ALL WORKS IN ACCORDANCE WITH WATER MANAGEMENT FOR DEVELOPMENT POLICY. SECTION 5.5

DEVELOPMENT TYPE ALTERATIONS AND ADDITIONS

STEP 2: ONSITE STORMWATER ABSORPTION NOT ADEQUATE (SHALLOW ROCK) STEP 3: LEVEL SPREADER ADEQUATE

SITE DETAILS

 763.9 m^2 TOTAL SITE AREA PRE DEVELOPMENT IMPERVIOUS AREA 351.7 m^2 (46%) POST DEVELOPMENT IMPERVIOUS AREA 393.4 m^2 (51.5%)

DEVELOPMENT SITE STORAGE REQUIREMENT

 624.0 m^2 (395.2 m² IMPERVIOUS) AREA TO OSD 139.9 m^2 (14 m²IMPERVIOUS) AREA BYPASS

PRE DEVELOPMENT SITE DISCHARGE

15 1/s (100% PERVIOUS - STATE OF NATURE)

POST DEVELOPMENT SITE DISCHARGE

11 1/s (7 1/s FROM OSD) 15 1/s (8 1/s FROM OSD) 100 YR

25,200 L (INCLUDING 20% ADDITIONAL VOLUME) OSD VOLUME PROVIDED

RAINWATER 'BASIX' REQUIRED 2,000L (2,000L PROVIDED)

OUTLET CONTROL METHOD OF DISCHARGE

OSD VOLUME REQUIRED

LENGTH OF LEVEL SPREADER Min. 4m

(USING V = 0.24m/s FOR CLAY AND FINE PARTICALS ORIFICE SIZE 68 mm Ø

DRAWING SCHEDULE:

DOI - STORMWATER DRAINAGE GENERAL NOTES

DO2 - LOWER GROUND FLOOR STORMWATER DRAINAGE PLAN DO3 - GROUND \$ FIRST FLOOR STORMWATER DRAINAGE PLAN

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28/09/2022	С	UPDATE FOR RFI	HS	CJ	Date : 26/10/22	011
06/04/2022	В	UPDATE TO SUIT ARCHITECTURALS	NB	CJ	Michael Wachjo	Sydney: Ph
30/03/2022	А	ISSUED FOR DA SUBMISSION ONLY	NB	CJ	B.E.(Civil), MIEAust.	Suite 207, 30 Gold Coast:
Date:	Issue:	Description:	Ву:	Review:	(Director NB Consulting Engineers) The copyright of this drawing remains with NB Consulting Engineers	Suite 1, 30B G E : nb@nbcons

Consulting Engineers | Architect: STRUCTURAL - CIVIL - STORMWATER - REMEDIAL A.C.N. 076 121 616 A.B.N. 24 076 121 616 Ph: (02) 9984 7000 30 Fisher Road Dee Why N.S.W. 2099 st: Ph: (07) 5631 4744 Griffith Street, Coolangatta QLD 4225

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PENINSULA HOMES Client: MATT TRUMAN

GENERAL NOTES

NEW DWELLING 67 QUIRK STREET, DEE WHY STORMWATER DRAINAGE

DO4 - ROOF STORMWATER DRAINAGE PLAN & DETAILS SHEET Design:

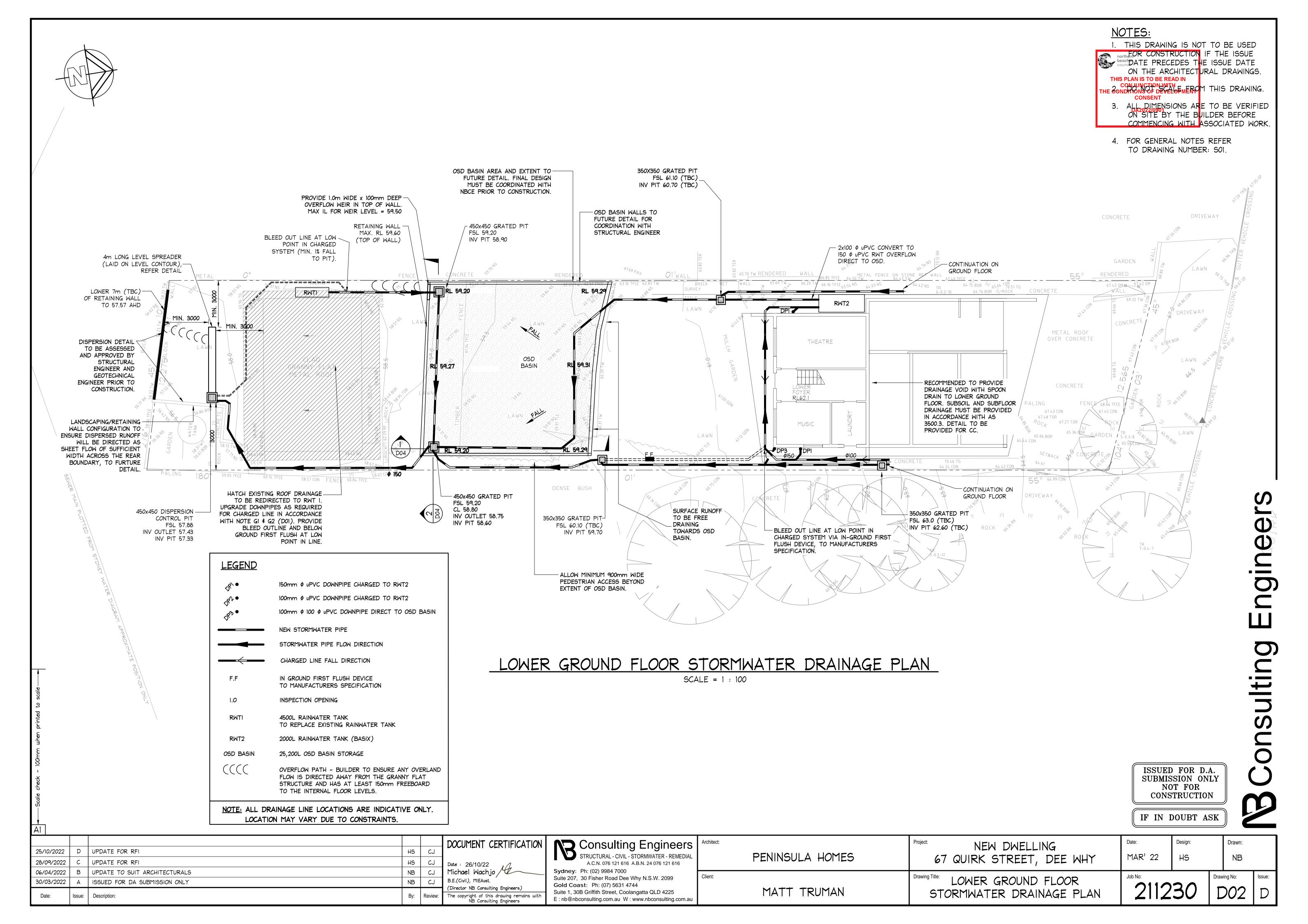
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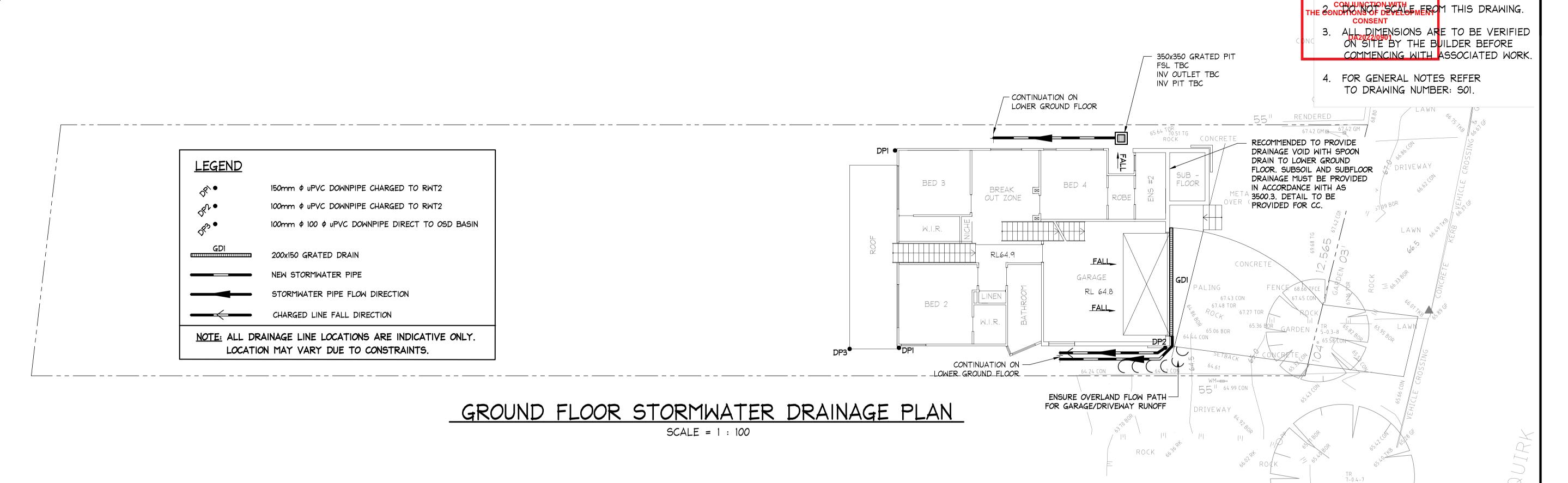
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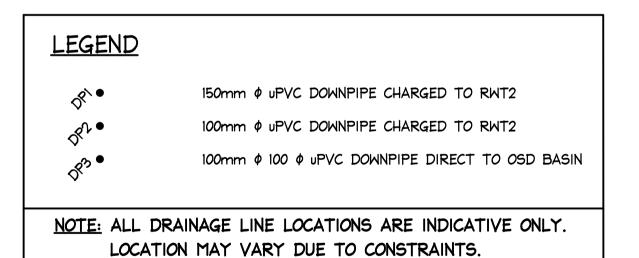
HS NB Drawing No:

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Drawn:







PWDR RL68.35 ENS. MASTER FOYER RL68.2 REFER NOTE J3 FOR VERANDAH OVERFLOW REFER NOTE J3 — FOR BALCONY OVERFLOW OPEN PLAN DINING KITCHEN LIVING

FIRST FLOOR STORMWATER DRAINAGE PLAN

SCALE = 1 : 100

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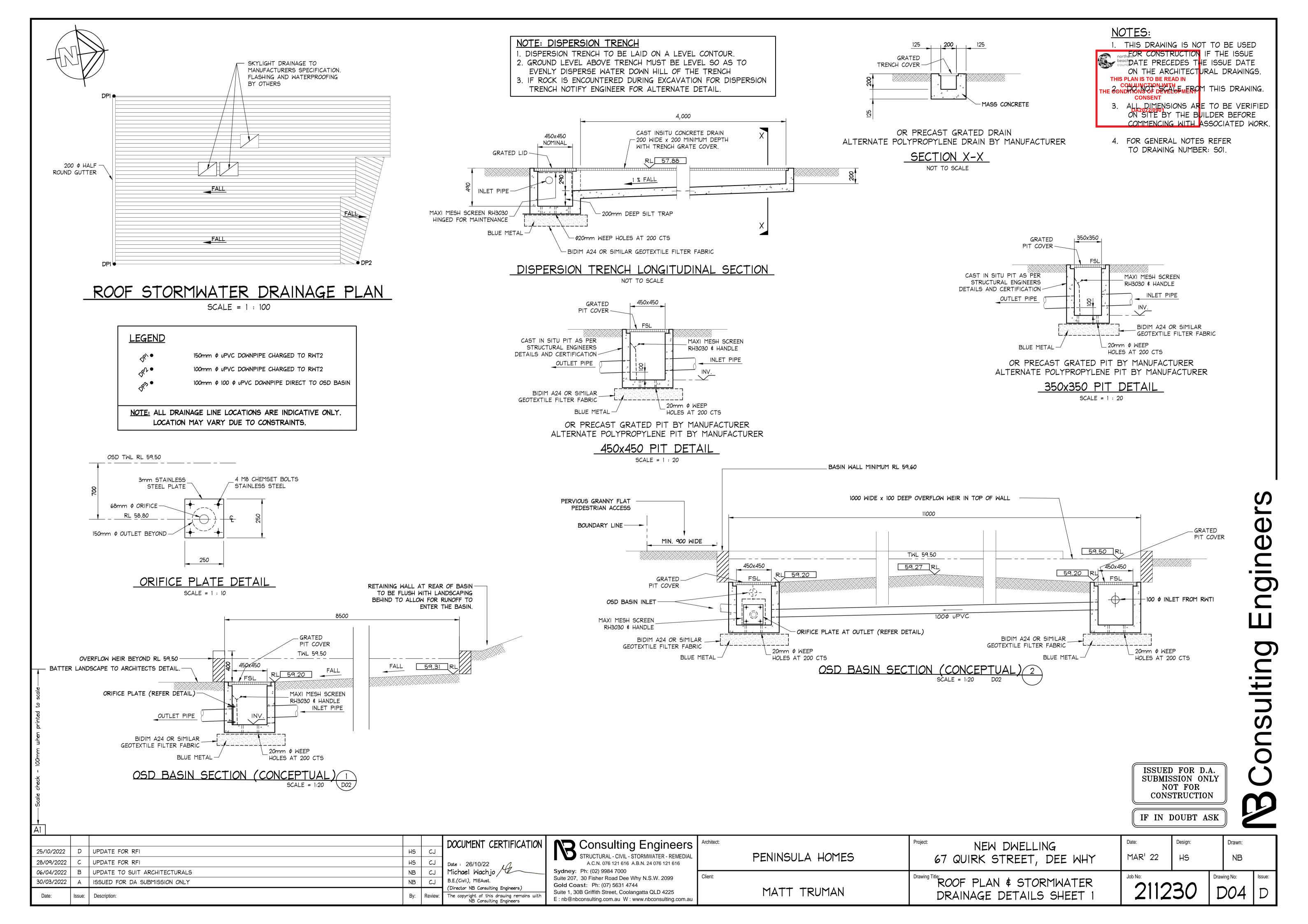
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), MIEAust.	Suite 207, 30 Fisher Road Dee Why N.S.W. 2099
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ith	Suite 1, 30B Griffith Street, Coolangatta QLD 4225

PENINSULA HOMES	NEW DWELLING 67 QUIRK STREET, DEE WHY
MATT TRUMAN	Drawing Title: GROUND & FIRST FLOOR STORMWATER DRAINAGE PLAN

Project:

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Job No:		Draw	ing No:	Issue:	
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SUB GRADE TO TANK

AND RECOMMENDATIONS

MANUFACTURERS SPECIFICATION

TYPICAL SECTION RAINWATER RE-USE TANKS WITH CHARGED PIPE SYSTEM

300mm \$\phi\$ INGROUND FIRST FLUSH

WATER DIVERTER BY RAINWATER

PER MANUFACTURERS DETAILS

-BLEED LINE TO BE

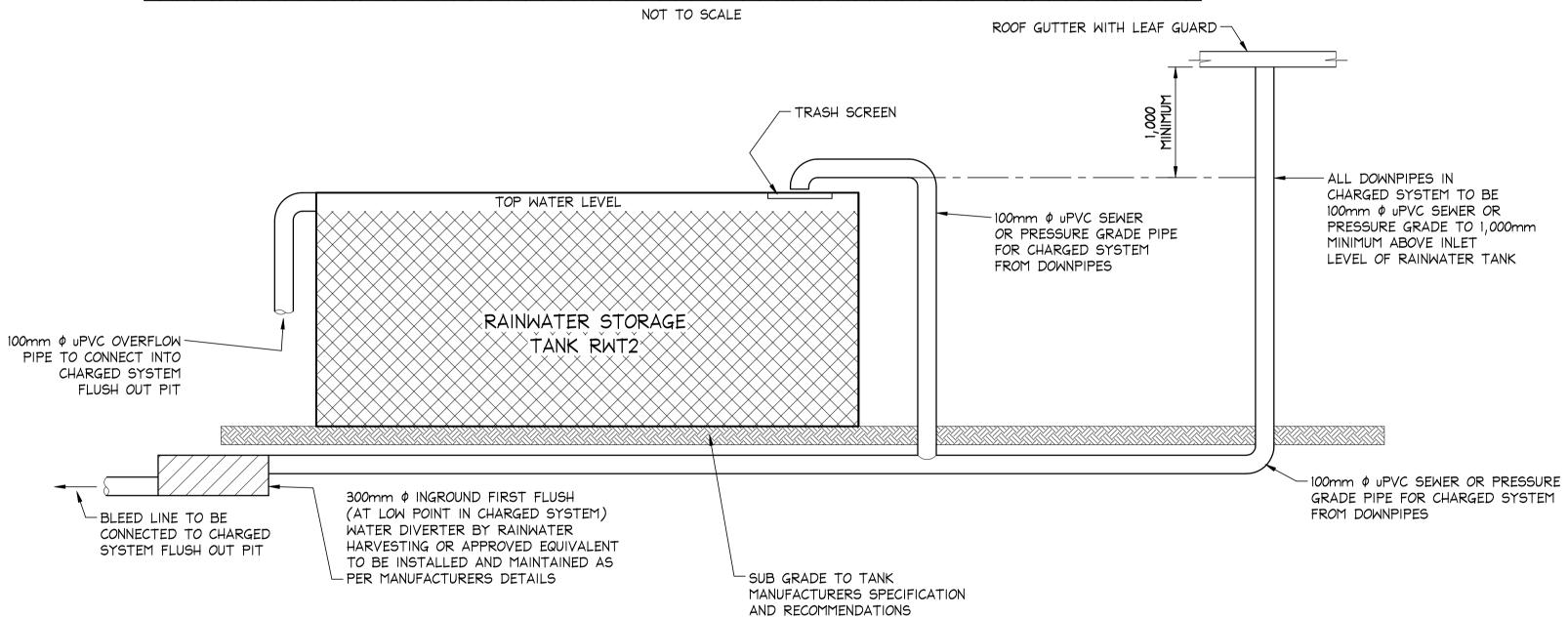
CONNECTED TO CHARGED

SYSTEM FLUSH OUT PIT

(AT LOW POINT IN CHARGED SYSTEM)

HARVESTING OR APPROVED EQUIVALENT

TO BE INSTALLED AND MAINTAINED AS



TYPICAL SECTION RAINWATER RE-USE TANKS WITH CHARGED PIPE SYSTEM

NOT TO SCALE

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06/04/2022	В	UPDATE TO SUIT ARCHITECTURALS	NB	\Box	Date: 26/10/22 Michael Wachjo
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Σ	Date: 26/10/22 Michael Wachjo	Sydney: Ph: (02) 9984 7000
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Architect: PENINSULA HOMES	NEW DWELLING 67 QUIRK STREET, DEE WHY
Client: MATT TRUMAN	Prawing Title: ROOF PLAN & STORMWATER DRAINAGE DETAILS SHEET 1

100mm \$\psi\$ uPVC SEWER OR PRESSURE

GRADE PIPE FOR CHARGED SYSTEM

FROM DOWNPIPES

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CONCRETE

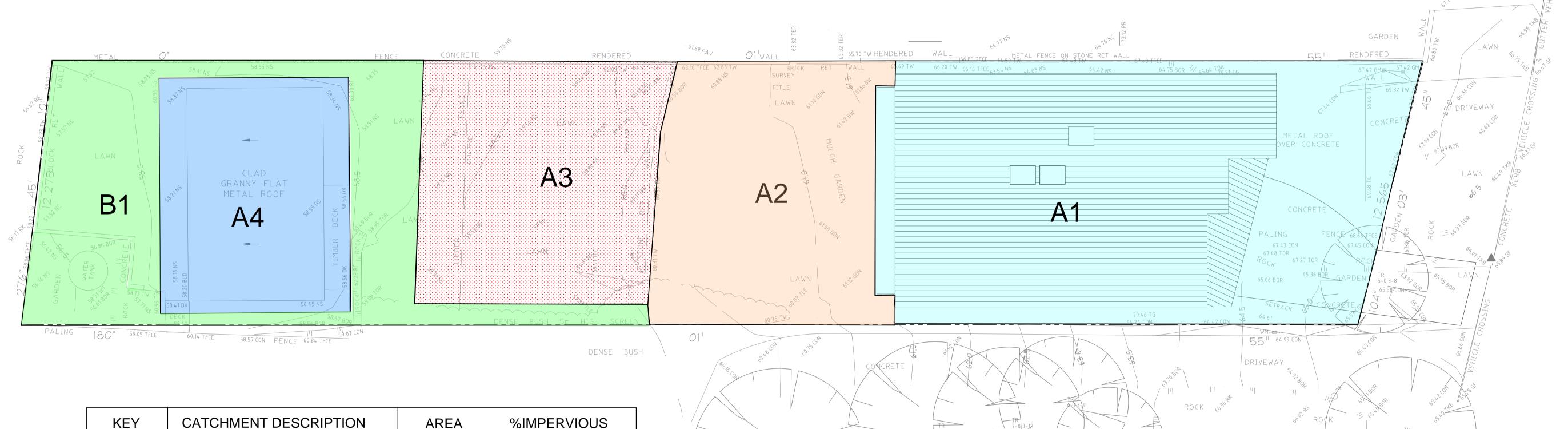
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DRIVEWAY



KEY	CATCHMENT DESCRIPTION	AREA	%IMPERVIOUS
	A1 - Main dwelling roof and surrounding area to OSD	299 m²	100%
	A2 - Pervious area to OSD	118 m ²	0%
	A3 - OSD Basin area	111 m ²	0%
	A4 - Granny flat roof area to OSD	96 m ²	100%
	B1 - OSD Bypass area	140 m ²	10%

OSD CATCHMENT PLAN

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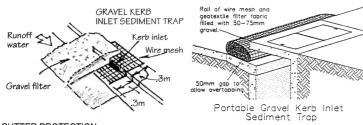
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25/10/2022	Α	UPDATE FOR RFI	NB	CJ	B.E.(Civil)
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	Date: 26/10/22 Michael Wachjo	Sydney : Ph: (02) 9984 7000
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	Suite 207, 30 Fisher Road Dee Why N.S.W. 2099 Gold Coast: Ph: (07) 5631 4744
uith	Suite 1, 30B Griffith Street, Coolangatta QLD 4225

PENINSULA HOMES	Project: NEW DWELLING 67 QUIRK STREET, DE
MATT TRUMAN	Drawing Title: CATCHMENT PLAN

Job No: 2112	 ing No:	
MAR' 22	HS	NB
Date:	Design:	Drawn:



GUTTER PROTECTION

Provide protection to down hill Grate in Gutter by means of Sand bags or blue metal wrapped in geotextle fabric. When soil or sand builds up around this sediment barrier, the material should be relocated to the site for disposal.

SITE ACCESS

Vehicular access to the site must be via a single entry point that is stabilised to prevent the tracking of sediment onto the roads and footpath.

Soil, earth, mud, clay, concrete washing, paint or similar materials must be removed from the roadway, by means other than washing, on a daily basis.

ON-SITE PRACTICES

All trenches must be filled immediately after services are laid.

Excess materials such as cement, water from tool cleaning, paintbrushes and brick and concrete slurry, must not be washed into stormwater system.

It is against the law to pollute waters with any solid, liquid or gas. Where possible construct a depression or earth dam below brick, concrete or tile cutting.

If this is not possible, pass water through a filter.

SEDIMENT NOTE:

- 1. All Erosion and Sedimnet Control measures to be inspected and maintained daily, by the site
- 2. Minimise disturbed areas, remove excess soil from excavation area as soon as possible.
- 3. All material stockpile to be clear from drains, gutters and footpaths, or within sediment fence.
- 4. Drainage to be connected to Stormwater as soon as possible. If stored on site, it must be filtered before releasing into the stormwater system or waterways.
- 5. Roads and footpaths to be swept daily.

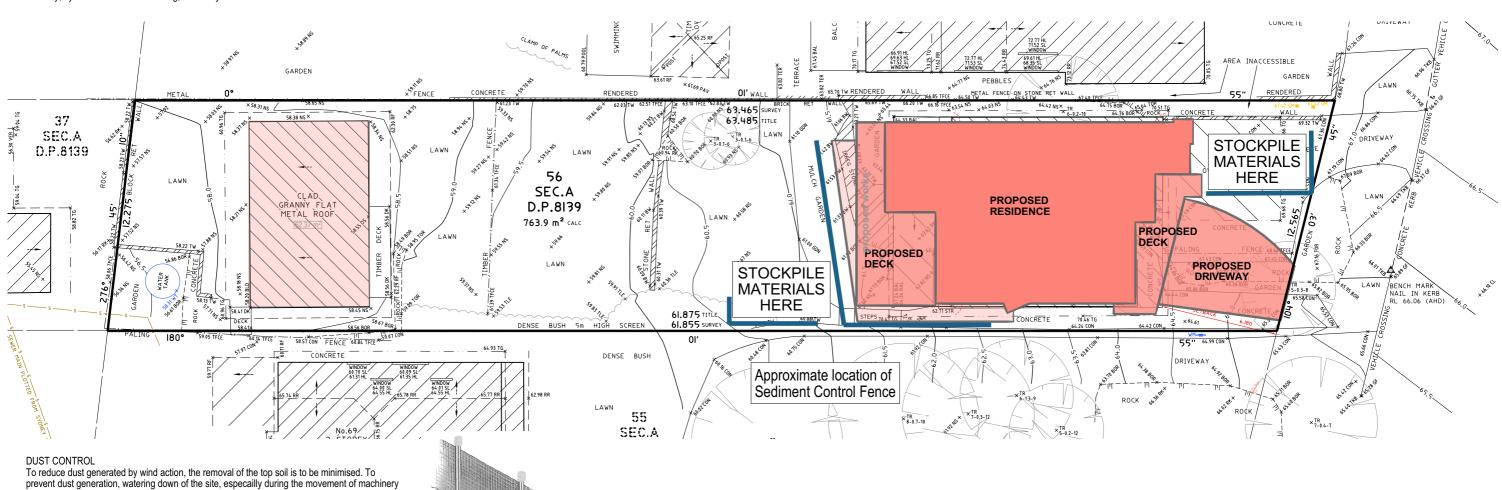
ON-GOING WASTE MANAGEMENT

Residents to manage waste on a daily basis - by seperating materials into re-usables, recyclables, waste and garden organics for inclusion in appropriate disposal bins. Bins to be placed kerbside on specified days for collection by council.



THIS PLAN IS TO BE READ IN **CONJUNCTION WITH** THE CONDITIONS OF DEVELOPMENT CONSENT

DA2022/0901





Where excavating into rock, keep the surface moist to minimise dust. Construct a gravel entry/exit point using blue metal and restrict all vehicle movements within the site to a minimum. Ensure wind breaks, such as existing fences are maintained during the construction phase until



SEDIMENT CONTROL FENCE

- 1 Excavate a trench a minimum of 200mm wide and 200mm deep on the uphill side of the proposed line of silt fence.
- 2 Drive adequate length support posts to a depth (minimum 400mm) appropriate for the site conditions downhill of the trench.
- A. Post spacing is typically at 2m centres with wire attached along the top between posts to assist with support of the silt fence. B. Post spacing can be increased up to 4m centres if supported by 2.5mm diameter high tensile wire at mid height and along the top with hog rings, clips or pins every 150mm connecting the silt fence along the top wire.
- 3 Roll out silt fence and position up against the support posts and fold over top wire. Hog rings, clips or pins are used to attach the silt fence to the top wire (at the required spacing).
- 4 Bury bottom section along the base and up the side of the trench leaving a minimum exposed height of 600mm and backfill with soil. Compact to ensure good anchorage. Place safety caps on posts.

BUILDING WASTE DISPOSAL

All waste materials are to be sorted and transported to the local authorized waste management centre for potential re-use or recycling.

Garden waste to be delivered to an authorized Recycling centre for chipping for reuse as mulch. Any Asbestos materials located on the site during the demolition process is to be properly disposed of in accordance with the guidelines of the relevant regulatory authority. Every attempt will be make to keep waste to a minimum.

STOCK PILES

All stockpiles are to be kept on-site where possible. Any materials placed on the footpaths or nature strips requier council's permission.

All stockpiles are to be placed away from the drainage lines and street gutters.

It is best to locate these on the highest part of the site if possible. Place waterproof covering over stockpiles. If required provide diversion drain & bank around stockpiles.



new landscaping is provided or reinstated

Prevent dust by covering stockpiles.







Client LOUISE **STRUTHERS** and MATT **TRUMAN**

Drawing Title

PROPOSED RESIDENCE **67 QUIRK STREET DEE WHY 2099**

SEDIMENT CONTROL

1:200 21-0713 Friday, 1 April S.G. S3