STORMWATER MANAGEMENT PLANS - EARLY WORKS (CC1) PROPOSED RESIDENTIAL FLAT BUILDING No.56 BEANE STREET, GOSFORD

LOT 30 DP:1250970

DRAINAGE NOTES

THE MINIMUM PIPE SIZE SHALL BE:

 90mm DIA WHERE THE LINE ONLY RECEIVES ROOFWATER RUNOFF; OR 100mm DIA WHERE THE LINE RECEIVES RUNOFF FROM PAVED OR UNPAVED AREAS ON THE PROPERTY

THE MINIMUM PIPE VELOCITY SHOULD BE 0.6 m/s AND A MAXIMUM PIPE VELOCITY OF 6.0 m/s DURING THE DESIGN STORM.

PIPE GRADE:

THE MINIMUM PIPE GRADE SHALL BE:

- 1.0% FOR PIPES LESS THAN 225mm DIA 0.5% FOR ALL LARGER PIPES
- PIPES WITH A GRADIENT GREATER THAN 20% WILL REQUIRE ANCHOR BLOCKS AT THE TOP AND BOTTOM OF THE INCLINED SECTION: AND AT INTERVALS NOT

EXCEEDING 3.0m

ANCHOR BLOCKS ARE DESIGNED ACCORDING TO CLAUSE 3.5.3 OF AS3500.3-1990

DEPTH OF COVER FOR PVC PIPES: MINIMUM PIPE COVER SHALL BE AS FOLLOWS:

LOCATION	MINIMUM COVER
NOT SUBJECT TO VEHICLE LOADING	100mm SINGLE RESIDENTIAL 300mm ALL OTHER DEVELOPMENTS
SUBJECT TO VEHICLE LOADING UNDER A SEALED ROAD	450mm WHERE NOT IN A ROAD 600mm
UNSEALED ROAD	750mm
PAVED DRIVEWAY	100mm PLUS DEPTH OF CONCRETE

SEE AS2032 INSTALLATION OF UPVC PIPES FOR FURTHER INFORMATION.

CONCRETE PIPE COVER SHALL BE IN ACCORDANCE WITH AS3725-1989 LOADS ON BURIED CONCRETE PIPES, HOWEVER A MINIMUM COVER OF 450mm WILL APPLY.

WHERE INSUFFICIENT COVER IS PROVIDED, THE PIPE SHALL BE COVERED AT LEAST 50mm THICK OVERLAY AND SHALL THEN BE PAVED WITH AT LEAST:

75mm THICKNESS OF BRICK OR 100mm OF CONCRETE PAVING WHERE

150mm REINFORCED CONCRETE WHERE SUBJECT TO HEAVY VEHICLE

- SUBJECT TO LIGHT VEHICLE TRAFFIC; OR 50mm THICK BRICK OR CONCRETE PAVING WHERE NOT SUBJECT TO
- VEHICLE TRAFFIC.

CONNECTIONS TO STORMWATER DRAINS UNDER BUILDINGS: SHALL BE CARRIED OUT IN ACCORDANCE WITH SECTION 3.10 OF AS3500.3-1990

ABOVE GROUND PIPEWORK:

SHALL BE CARRIED OUT IN ACCORDANCE WITH SECTION 6 OF AS3500.3-1990

GENERAL NOTES

PIT SIZES AND DESIGN:

DEPTH (mm)	MINIMUM PIT SIZE (mm)
UP TO 450mm	450 x 450
450mm TO to 600mm	600 x 600
600mm TO 900mm	600 x 900
900mm TO 1500mm	900 x 900 (WITH STEP IRONS)
1500mm TO 2000mm	1200 x 1200 (WITH STEP IRONS)

ALL PIPES SHOULD BE CUT FLUSH WITH THE WALL OF THE PIT

PITS GREATER THAN 600mm DEEP SHALL HAVE A MINIMUM ACCESS OPENING OF 600 x 600mm

THE GRATED COVERS OF PITS LARGER THAN 600 x 600mm ARE TO BE HINGED TO PREVENT THE GRATE FROM FALLING INTO THE PIT.

THE BASE OF THE DRAINAGE PITS SHOULD BE AT THE SAME LEVEL AS THE INVERT OF THE OUTLET PIPE. RAINWATER SHOULD NOT BE PERMITTED TO POND WITHIN THE STORMWATER SYSTEM

CONTINUOUS TRENCH DRAINS ARE TO BE OF WIDTH NOT LESS THAN 150mm AND DEPTH NOT LESS THAN 100mm. THE BARS OF THE GRATING 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 AS1657. FOR PITS GREATER THAN 6m OTHER MEANS OF ACCESS MUST BE PROVIDED.

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 AS3500.4-1990. PITS DEEPER THAN 1.8m SHALL BE CONSTRUCTED WITH REINFORCED CONCRETE.

GRATES ARE TO BE GALVANISED STEEL GRID TYPE. GRATE CLASSES ARE TO BE SELECTED IN ACCORDANCE WITH LOAD CLASS AS PER TABLE BELOW

GENERAL NOTES

- 1. FINAL LOCATION OF NEW DOWNPIPES TO BE DETERMINED BY BUILDER/ARCHITECT AT TIME OF CONSTRUCTION.
- THESE DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTS AND OTHER CONSULTANTS DRAWINGS. ANY DISCREPANCIES TO BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH WORK.
- 3. ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH AS/NZS 3500.3:2003 STORMWATER DRAINAGE, BCA AND LOCAL COUNCIL POLICY/CONSENT/REQUIREMENTS.
- 4. ALL DIMENSIONS AND LEVELS TO BE VERIFIED BY BUILDER ON-SITE PRIOR TO COMMENCEMENT OF WORKS. THESE DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS NOR TO BE USED FOR SETOUT PURPOSES.
- 5. ALL SURVEY INFORMATION AND PROPOSED BUILDING AND FINISHED SURFACE LEVELS SHOWN IN THESE DRAWINGS ARE BASED ON LEVELS OBTAINED FROM DRAWINGS BY OTHERS.
- 6. THESE DRAWINGS DEPICT THE DESIGN OF SURFACE STORMWATER RUNOFF DRAINAGE SYSTEMS ONLY AND DO NOT DEPICT ROOF DRAINAGE OR SUBSOIL DRAINAGE SYSTEMS UNLESS NOTED OTHERWISE. THE DESIGN OF ROOF AND SUBSOIL DRAINAGE SYSTEMS IS THE RESPONSIBILITY OF OTHERS.
- 7. ALL STORMWATER DRAINAGE PIPES ARE TO BE uPVC AT MINIMUM 1% GRADE UNLESS NOTED OTHERWISE.
- 8. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE AND LEVEL ALL EXISTING SERVICES OR OTHER STRUCTURES WHICH MAY AFFECT/BE AFFECTED BY THIS DESIGN PRIOR TO COMMENCEMENT OF WORKS.
- 9. ALL PITS WITHIN DRIVEWAYS TO BE 150mm THICK CONCRETE
- 10. THIS PLAN IS THE PROPERTY OF QUANTUM ENGINEERS AND MAY NOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION FROM QUANTUM ENGINEERS

PLAN NOTES

- 1. ROOF DRAINAGE NOTE: AS 3500 ROOF DRAINAGE REQUIRES EAVES GUTTERS TO BE SIZED FOR 20 YEAR 5 MIN. STORM = 205mm/hr. FOR EAVES GUTTERS, AS 3500.3:2003 THEN HAS THE FOLLOWING REQUIREMENTS:
- 1.1. FOR TYPICAL STANDARD QUAD GUTTER WITH Ae = 6000mm² AND GUTTER SLOPE 1:500 AND STEEPER, THIS REQUIRES ONE DOWNPIPE PER 30m² ROOF AREA.
- 1.2. DOWNPIPES TO BE MINIMUM 90mm DIA. OR 100 x 50mm FOR GUTTERS SLOPE 1:500 AND STEPPER. 1.3. OVERFLOW METHOD TO FIGURE G1 OF AS 3500.3:2003
- IT IS THE RESPONSIBILITY OF THE PLUMBER AND / OR BUILDER TO COMPLY WITH THIS. THIS DRAWING SHOWS PRELIMINARY LOCATIONS / NUMBERS OF DOWNPIPES ONLY WHICH ARE TO BE VERIFIED BY BUILDER / PLUMBER
- 2. TREE PRESERVATION: 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 THOSE WORKS
- 3. ALL ROOF GUTTERS TO HAVE OVERFLOW PROVISION IN ACCORDANCE WITH AS 3500.3:2003 AND SECTIONS 3.5.3. 3.7.5 AND APPENDIX G OF AS 3500.3:2003
- 4. THIS DRAWING IS NOT TO BE USED FOR SET-OUT PURPOSES - REFER TO ARCHITECTURAL DRAWINGS
- 5. LOCATION OF SURFACE STORMWATER GRATED INLET PITS MAY BE VARIED OR NEW PITS INSTALLED AT THE CONSTRUCTION STAGE PROVIDED DESIGN INTENT OF THIS DRAWING IS MAINTAINED

STORMWATER LEGEND				
SURFACE INLET PIT		GRATED TRENCH DRAIN		
SURFACE INLET PIT (WITH OCEANGUARD 200)		ABSORPTION TRENCH		
ACCESS GRATE		PROPOSED ROOF GUTTER FALL	-	
(WITH OCEANGUARD 200)	u u	PROPOSED DOWNPIPE SPREADER	⊢● SP	
ACCESS GRATE (TO HED PIT)	2000 2000 2000	STORMWATER PIPE 100mm DIA. MIN. UNO		
450 SQUARE INTERVAL	450 X 450	SUBSOIL PIPE	aaa	

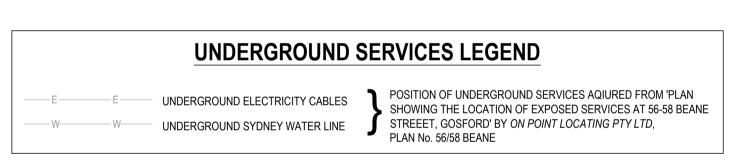
EXISTING STORMWATER PIPE

INSPECTION RISER

RAINWATER HEAD

O IR

RWH



CENTRAL COAST COUNCIL GENERAL NOTES

SL 75.50

IL 75.20

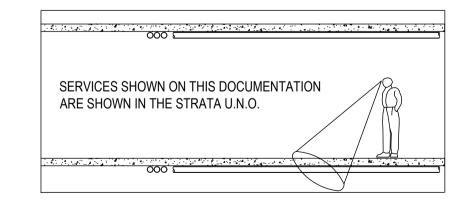
GRATE LEVEL = 75.50

INVERT LEVEL = RL 75.20

PROPOSED DOWNPIPE

90mm DIA. OR 100mm x 50mm MIN.

- 1. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH CENTRAL COAST COUNCIL CIVIL WORKS SPECIFICATION AND TO THE SATISFACTION OF COUNCIL'S REPRESENTATIVE.
- THE SERVICE PROVIDER IS RESPONSIBLE FOR ONGOING MAINTENANCE OF EROSION AND SILTATION CONTROL MEASURES.
- ALL PUBLIC UTILITIES SHALL BE CLEARLY IDENTIFIED IN THE FIELD PRIOR TO ANY CIVIL WORKS. COUNCIL DOES NOT ACCEPT ANY RESPONSIBILITY FOR DAMAGE OR RELOCATION COSTS TO PUBLIC UTILITIES DURING CONSTRUCTION OF THE DEVELOPMENT.
- PRIOR TO THE COMMENCEMENT OF ANY WORK A "NOTICE OF INTENTION TO COMMENCE -SUBDIVISION WORKS, ROADS ACT APPROVAL WORKS AND/OR APPROVED STORMWATER DRAINAGE WORKS" MUST BE COMPLETED AND SUBMITTED TO COUNCIL. THIS FORM IS AVAILABLE
- IT IS THE SERVICE PROVIDER'S RESPONSIBILITY TO ENSURE THAT ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE WORK HEALTH AND SAFETY ACT 2011. PERMISSION TO ENTER, CONSTRUCT WORKS AND DISCHARGE STORMWATER ONTO ADJOINING PROPERTIES SHALL BE OBTAINED AND
- SUBMITTED TO COUNCIL PRIOR TO THE COMMENCEMENT OF ANY WORKS. PAVEMENT TO BE DESIGNED AND CERTIFIED BY A PRACTISING CONSULTANT GEOTECHNICAL ENGINEER AND SUBMITTED TO COUNCIL FOR APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORKS. APPROVED PAVEMENT DESIGN REPORTS SHALL PREVAIL OVER ANY DESIGN REQUIREMENTS OR PAVEMENT DETAILS SHOWN ON THE APPROVED PLANS.
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE CONDITIONS STATED IN CENTRAL COAST COUNCIL'S ENGINEERING PLAN APPROVAL CORRESPONDENCE AND THE CONDITIONS OF THE DEVELOPMENT CONSENT.
- IF THE STANDARD OR REQUIREMENTS FOR WORKS SHOWN ON THE APPROVED DRAWINGS DIFFER FROM THAT REQUIRED BY COUNCIL'S CIVIL WORKS SPECIFICATION THEN THE REQUIREMENTS OF THE CIVIL WORKS SPECIFICATION SHALL PREVAIL. CLARIFICATION SHALL BE OBTAINED FROM COUNCIL'S REPRESENTATIVE IF THERE IS CONCERN THAT THE REQUIREMENTS OF COUNCIL'S CIVIL WORKS SPECIFICATION MAY NOT BE APPROPRIATE FOR A SPECIFIC CIRCUMSTANCE.
- 10. THE SERVICE PROVIDER SHALL ADDRESS ALL PRECONSTRUCTION REQUIREMENTS OF COUNCIL'S CIVIL WORKS SPECIFICATION PRIOR TO COMMENCEMENT OF ANY WORKS.



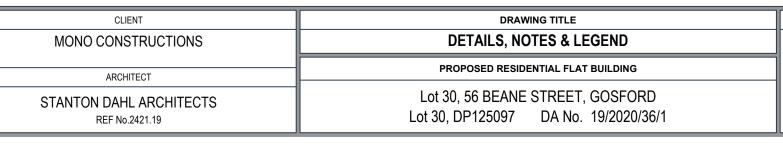
CLASS	USE
A - EXTRA LIGHT DUTY	AREAS INCLUDING FOOTWAYS, ACCESSIBLE ONLY TO PEDESTRIANS, PEDAL CYCLISTS AND CLOSED TO OTHER TRAFFIC
B - LIGHT DUTY	AREAS INCLUDING FOOTWAYS AND LIGHT TRACTOR PATHS ACCESSIBLE TO VEHICLES (EXCLUDING COMMERCIAL VEHICLES) OR LIVESTOCK
C - MEDIUM DUTY	MALLS AND AREAS OPEN TO SLOW-MOVING COMMERCIAL TRAFFIC
D - HEAVY DUTY	CARRIAGEWAYS OF ROADS AND AREAS OPEN TO COMMERCIAL VEHICLES
E - EXTRA HEAVY DUTY	GENERAL DOCKS AND AIRCRAFT PAVEMENTS
F - EXTRA HEAVY DUTY	DOCK AND AIRCRAFT PAVEMENTS SUBJECT TO HIGH WHEEL LOADS
G - EXTRA HEAVY DUTY	DOCKS AND AIRCRAFT PAVEMENTS SUBJECT TO VERY HIGH WHEEL LOADS

	STORMWATER DRAWINGS LIST	28/06/2021
DRAWING No.	DRAWING TITLE	REVISION
D1	DETAILS, NOTES & LEGEND	Н
D2	LOWER GROUND FLOOR PLAN & DETAILS	Н
D3	SITE / LEVEL 1 FLOOR PLAN	Н
D4	ROOF PLAN	Н
D5	COMBINED STORMFILTER / OSD & RAINWATER TANK DETAILS + CALCULATIONS	Н
D6	WATER QUALITY CATCHMENT DETAILS & CALCULATIONS	Н
D7	SEDIMENT CONTROL PLAN	Н
D8	STORMWATER & SEDIMENT CONTROL DETAILS + CALCULATIONS	Н

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admin@quantumengineers.com.au quantumengineers.com.au

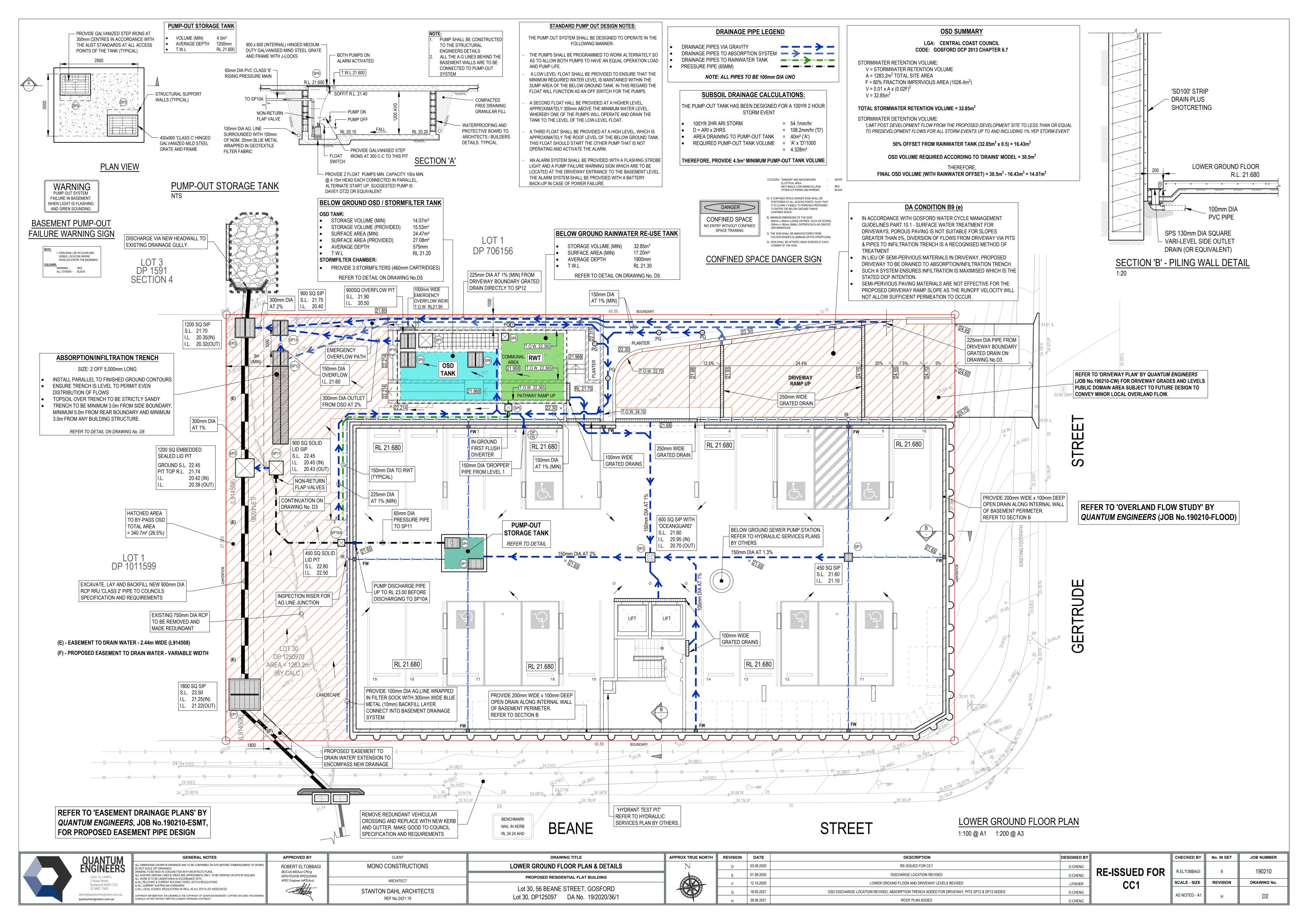
INEERS	ALL DIMENSIONS SHOWN IN DRAWINGS ARE TO BE CONFIRMED ON SITE BEFORE COMMENCEMENT OF WORKS. DO NOT SCALE OFF DRAWINGS. DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTS PLANS.	ROBERT ELTOBBAGI BE(Civil) MIEAust CPEng	MONO CONSTRUCTIONS	DETAILS, I
1A, Level 2, ve Street,	ALL EXISTING GROUND LINES & TREES ARE APPROXIMATE ONLY, TO BE VERIFIED ON-SITE BY BUILDER. ALL WORK IS TO BE UNDERTAKEN IN ACCORDANCE WITH: a) ALL RELEVANT & CURRENT BUILDING CODES, ACTS & REGULATIONS	NER(1052208) RPEQ(25464) APEC Engineer IntPE(Aus)	ARCHITECT	PROPOSED RES
vood NSW 2122 07 7800 mengineers.com.au eers.com.au	b) ALL CURRENT AUSTRALIAN STANDARDS c) ALL LOCAL COUNCIL REGULATIONS AS WELL AS ALL DCP & LEP ASSOCIATED. COPYRIGHT INFORMATION: THE DRAWING IS THE COPYRIGHT OF 'QUANTUM ENGINEERS'. COPYING OR USING THIS DRAWING IN WHOLE OR PART WITHOUT WRITTEN CONSENT INFRINGES COPYRIGHT.	APEC Engineer intrecaus	STANTON DAHL ARCHITECTS REF No.2421.19	Lot 30, 56 BEAN Lot 30, DP125097

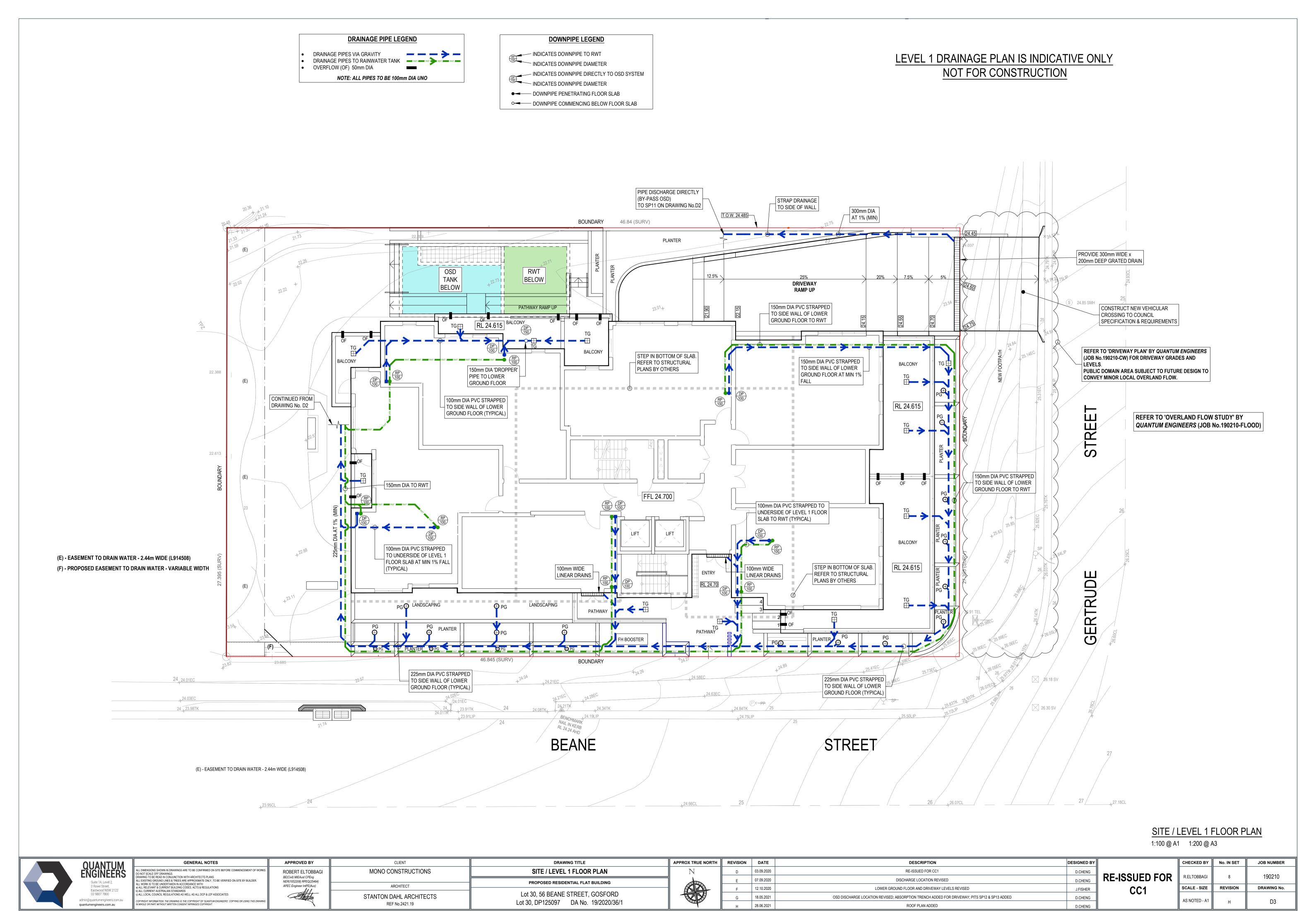
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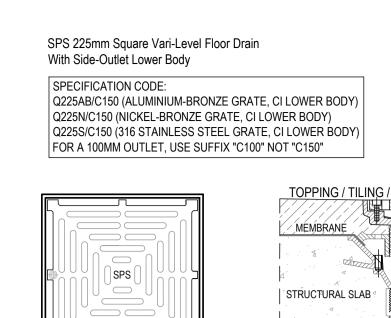


PROX TRUE NORTH	REVISION	DATE	DESCRIPTION	DESIGNED
N	D	03.09.2020	RE-ISSUED FOR CC1	D.CHENG
	Е	07.09.2020	DISCHARGE LOCATION REVISED	D.CHENG
	F	12.10.2020	LOWER GROUND FLOOR AND DRIVEWAY LEVELS REVISED	J.FISHER
	G	18.05.2021	OSD DISCHARGE LOCATION REVISED; ABSORPTION TRENCH ADDED FOR DRIVEWAY; PITS SP12 & SP13 ADDED	D.CHENG
	Н	28.06.2021	ROOF PLAN ADDED	D.CHENG

	CHECKED BY	No. IN SET	JOB NUMBER
RE-ISSUED FOR	R.ELTOBBAGI	8	190210
CC1	SCALE - SIZE	REVISION	DRAWING No.
		Н	D1







MIN. 32mm MAX. 80mm**

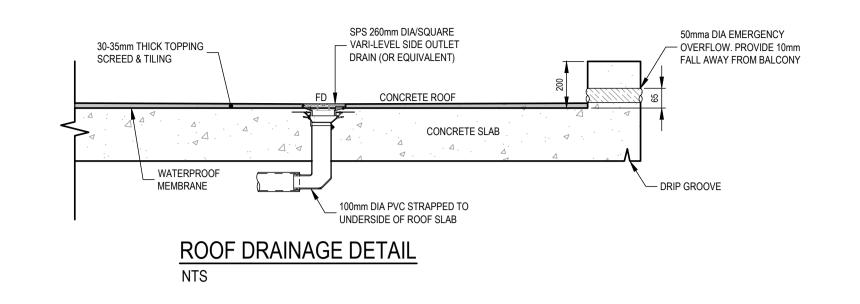
100mm OUTLET SHOWN

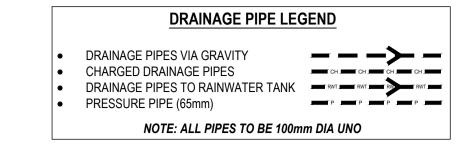
COUPLING CONNECTOR

WITH OPTIONAL

HEIGHT ADJUSTMENT:

150mm OUTLET SHOWN WITH OPTIONAL – TAILPIECE CONNECTOR FLOOR DRAIN (SPS) - FD





DOWNPIPE LEGEND

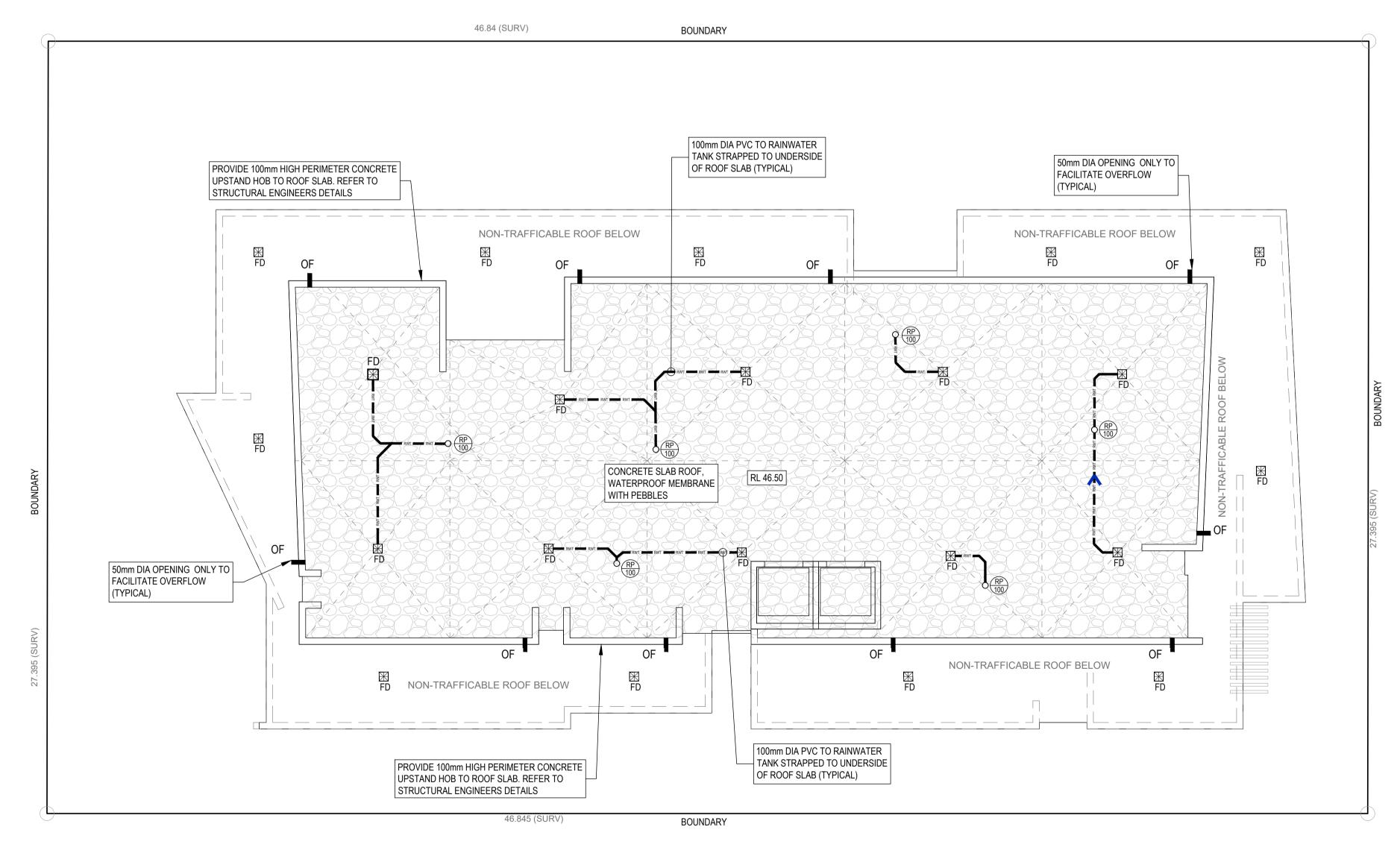
INDICATES DOWNPIPE TO RWT
INDICATES DOWNPIPE DIAMETER

INDICATES DOWNPIPE DIRECTLY TO OSD SYSTEM
INDICATES DOWNPIPE DIAMETER

■ DOWNPIPE PENETRATING FLOOR SLAB

○ DOWNPIPE COMMENCING BELOW FLOOR SLAB

PROVIDE 50mm DIA OVERFLOW PIPE TO ALL TERRACES



BEANE STREET

ROOF PLAN 1:100

STREET

GERTRUDE



1	GENERAL NOTES				
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1	c) ALL LOCAL COUNCIL REGULATIONS AS WELL AS ALL DCP & LEP ASSOCIATED.				
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APPROVED BY	
ROBERT ELTOBBAGI BE(Civil) MIEAust CPEng NER(1052208) RPEQ(25464) APEC Engineer IntPE(Aus)	

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MONO CONSTRUCTIONS	
ARCHITECT	
AROTHEOL	
STANTON DAHL ARCHITECTS REF No.2421.19	

DRAWING TITLE
ROOF PLAN
PROPOSED RESIDENTIAL FLAT BUILDING
Lot 30, 56 BEANE STREET, GOSFORD
Lot 30, DP125097 DA No. 19/2020/36/1

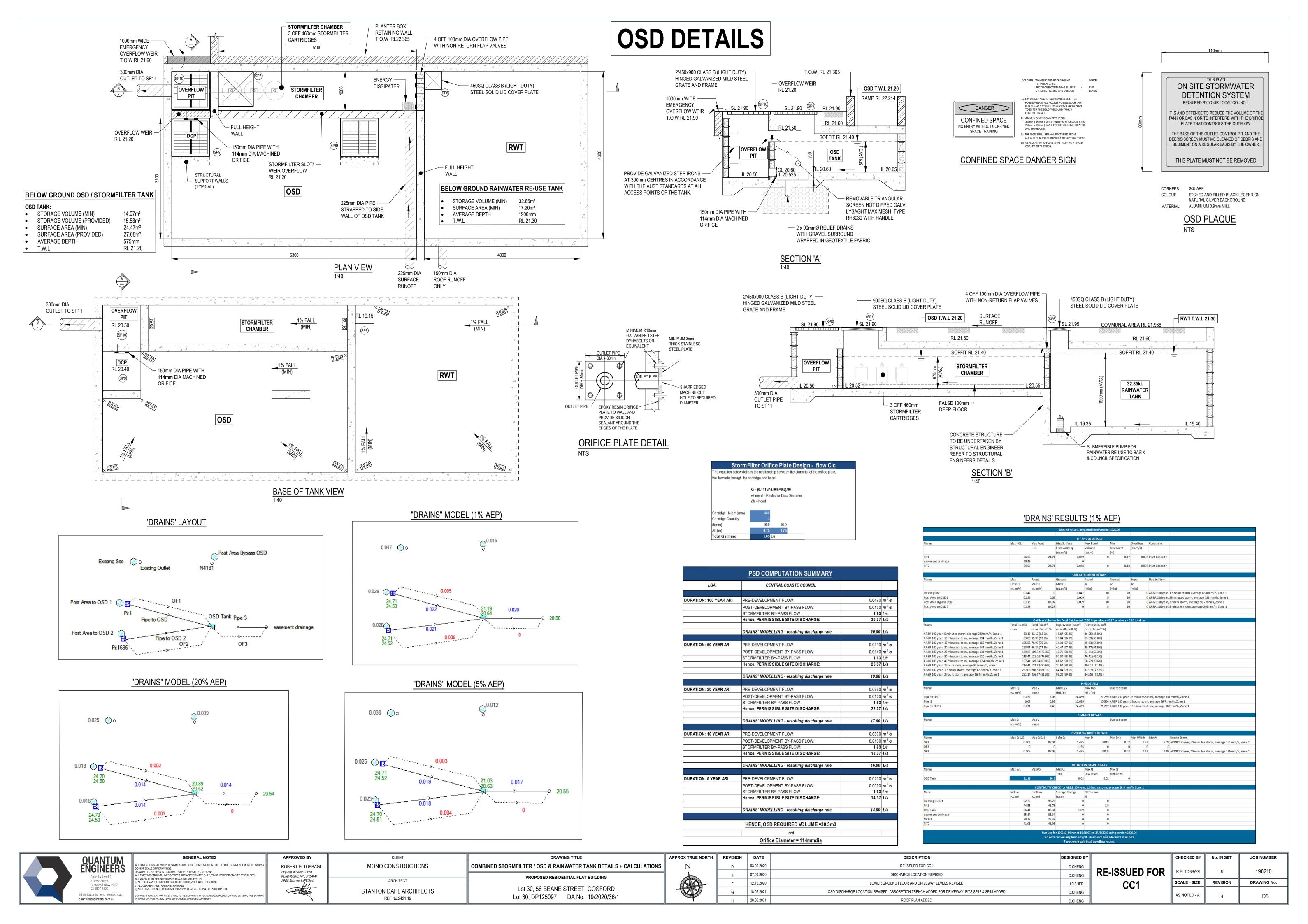
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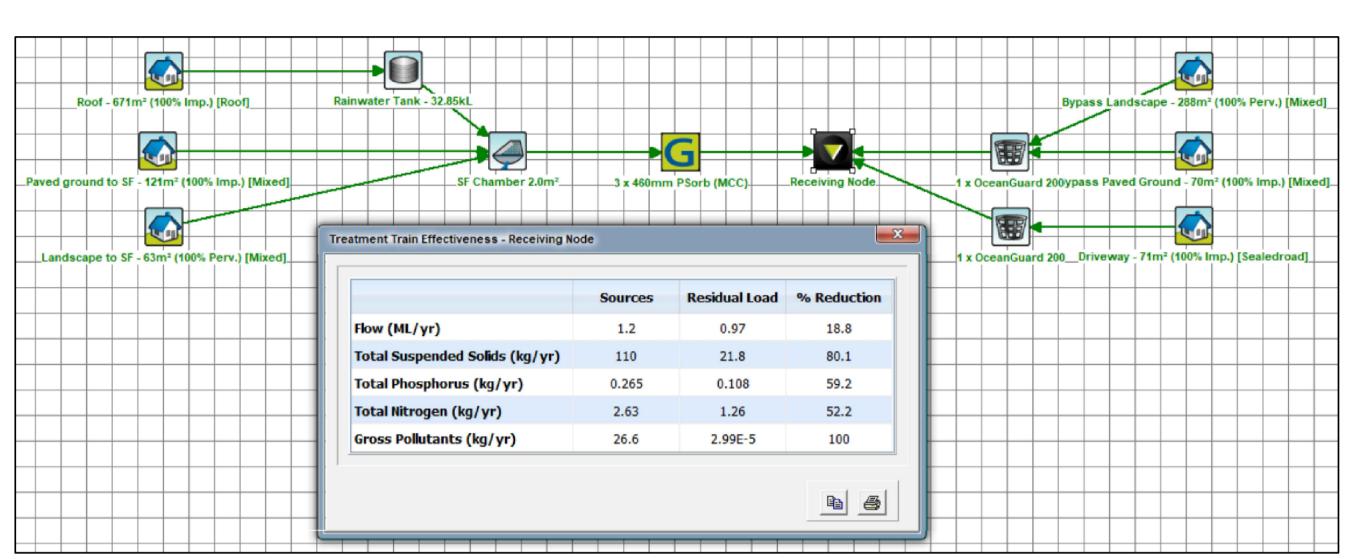
DATE	DESCRIPTION	DESIGNED BY
03.09.2020	RE-ISSUED FOR CC1	D.CHENG
07.09.2020	DISCHARGE LOCATION REVISED	D.CHENG
12.10.2020	LOWER GROUND FLOOR AND DRIVEWAY LEVELS REVISED	J.FISHER
18.05.2021	OSD DISCHARGE LOCATION REVISED; ABSORPTION TRENCH ADDED FOR DRIVEWAY; PITS SP12 & SP13 ADDED	D.CHENG
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RE-ISSUED FOR	R.ELTOBBAGI	8
CC1	SCALE - SIZE	REVISION
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JOB NUMBER

190210 DRAWING No.



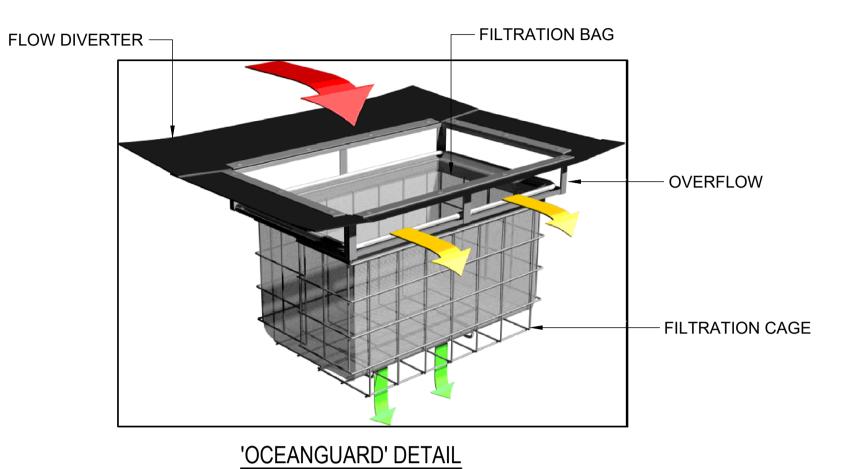


MUSIC MODELLING RESULT

1. INLET AND OUTLET PIPES TO BE IN ACCORDANCE WITH APPROVED PLANS. A HIGH FLOW BYPASS ARRANGEMENT OR DISSIPATION STRUCTURE MAY BE REQUIRED TO MINIMISE RE-SUSPENSION OF SOLIDS OR ANY SIGNIFICANT INERTIAL FORCES ON THE CARTRIDGES. ALL WATER QUALITY TREATMENT DEVICES REQUIRE PERIODIC MAINTENANCE. REFER TO OPERATION AND MAINTENANCE MANUAL FOR GUIDELINES AND ACCESS REQUIREMENTS. SITE SPECIFIC PRODUCTION DRAWING WILL BE PROVIDED ON PLACEMENT OF ORDER. THE INVERT LEVEL OF THE INLET PIPE MUST BE GREATER THAN THE RL OF THE FALSE FLOOR WITHIN THE CONCRETE STRUCTURE AND ACCESS COVERS DESIGNED AND PROVIDED BY OTHERS. ACCESS COVERS TO BE A MINIMUM 900 X 900 ABOVE CARTRIDGES. OH&S REGARDING ACCESS COVERS AND TANK ACCESS TO BE ASSESSED BY OTHERS ON SITE. THE STRUCTURE THICKNESSES SHOWN ARE FOR REPRESENTATIONAL PURPOSES. . DRAWINGS NOT TO SCALE.

INSTALLATION NOTES UNDERDRAIN AND FALSE FLOOR INSTALLED BY OCEAN PROTECT.

GENERAL NOTES



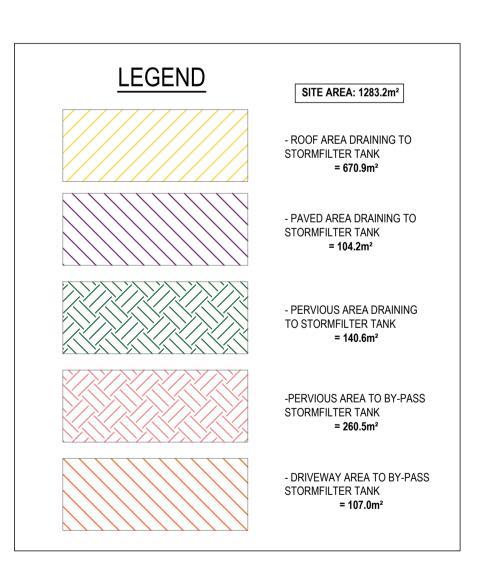
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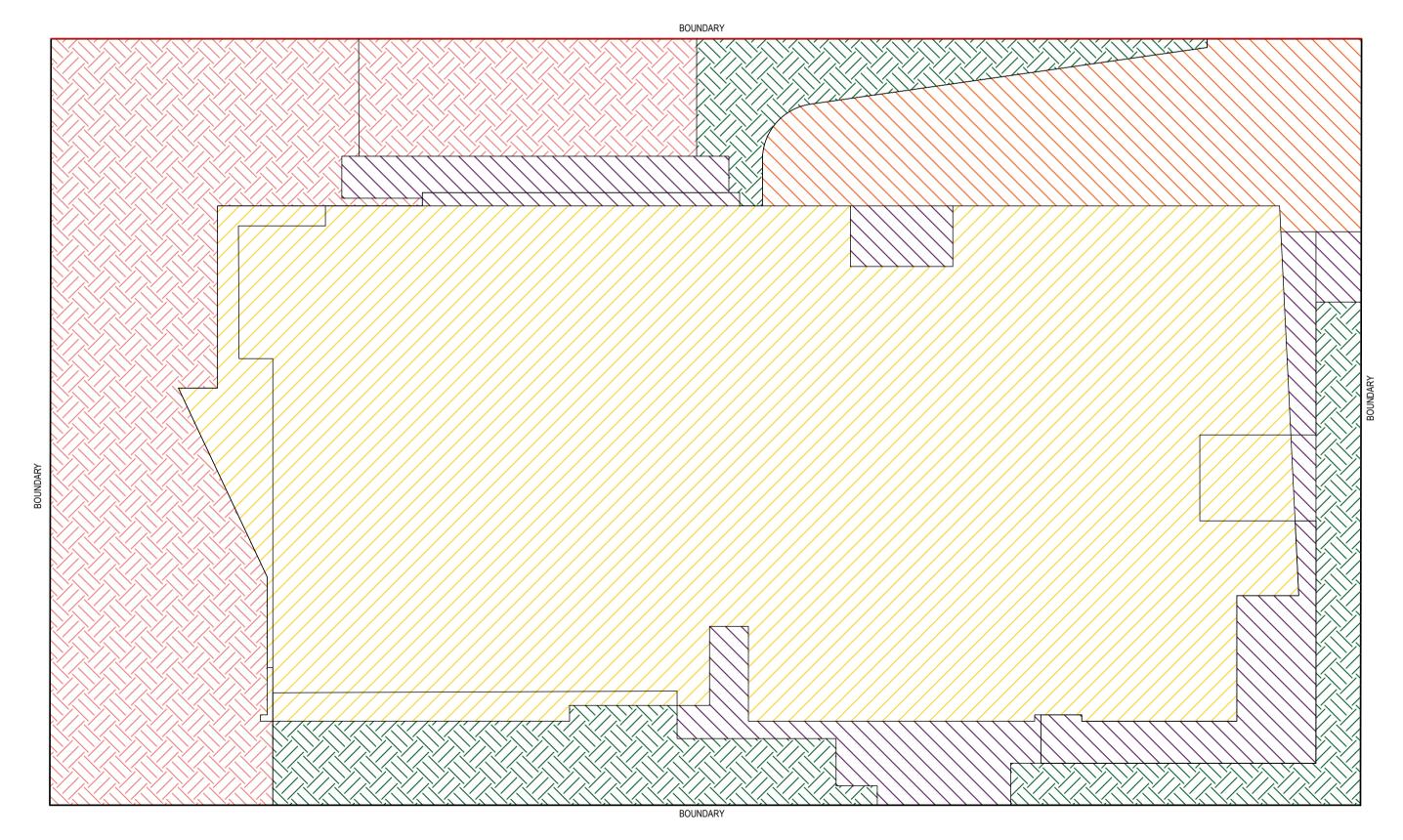
PIPE FLOW CONFIGURATION

SIP WITH OCEANGUARD DETAIL - SP2 NTS

GENERAL NOTES

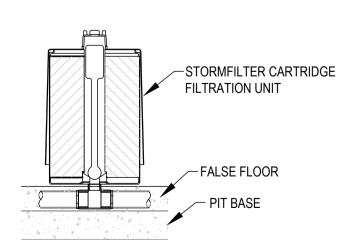
- THE MINIMUM CLEARANCE DEPENDS ON THE CONFIGURATION (SEE NOTE 2) AND THE LOCAL COUNCIL REQUIREMENTS.
- CLEARANCE FOR ANY PIT WITHOUT AN INLET PIPE (ONLY USED FOR SURFACE FLOW) CAN BE AS LOW AS 50mm. FOR OTHER PITS, THE RECOMMENDED CLEARANCE SHOULD BE GREATER OR EQUAL TO THE PIPE OBVERT SO AS NOT TO INHIBIT HYDRAULIC CAPACITY.
- OCEAN PROTECT PROVIDES TWO FILTRATION BAG TYPES:- 200 MICRON BAGS FOR HIGHER WATER QUALITY FILTERING AND A COARSE BAG FOR TARGETING GROSS POLLUTANTS.
- DRAWINGS NOT TO SCALE.





WATER QUALITY CATCHMENT AREA
NTS

STORMFILTER DESIGN TABLE STORMFILTER TREATMENT CAPACITY VARIES BY NUMBER OF FILTER CARTRIDGES INSTALLED.
THE STANDARD CONFIGURATION IS SHOWN. ACTUAL CONFIGURATION OF THE SPECIFIED STRUCTURE(S) PER CERTIFYING ENGINEER WILL BE SHOWN ON SUBMITTAL DRAWING(S).
FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF-CLEANING. RADIAL MEDIA DEPTH SHALL BE 178mm. CARTRIDGE NAME / SIPHON HEIGHT (mm) CARTRIDGE PHYSICAL HEIGHT (mm) 600 TYPICAL WEIR HEIGHT [H] (mm) 920 690 540 0.7 CARTRIDGE FLOW RATE FOR ZPG MEDIA (L/s) CARTRIDGE FLOW RATE FOR PSORB MEDIA (L/s) 0.9 0.46 0.39



STORMFILTER CARTRIDGE DETAIL

QUANTUM ENGINEERS
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admin@quantumengineers.com.au quantumengineers.com.au

GENERAL NOTES
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T ELTOBBAGI EAust CPEng 08) RPEQ(25464)	MONO CONSTRUCTIONS
neer IntPE(Aus)	ARCHITECT
And the second	STANTON DAHL ARCHITECTS REF No.2421.19

CLIENT	DRAWING TITLE
MONO CONSTRUCTIONS	WATER QUALITY CATCHMENT DETAILS & CALCULATIONS
ARCHITECT	PROPOSED RESIDENTIAL FLAT BUILDING
STANTON DAHL ARCHITECTS REF No.2421.19	Lot 30, 56 BEANE STREET, GOSFORD Lot 30, DP125097 DA No. 19/2020/36/1

ı	APPROX TRUE NORTH
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REVISION	DATE	DESCRIPTION	DESIGNED BY	
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RE-ISSUED FO CC1

	CHECKED BY	No. IN SET	JOB NUMBER
OR	R.ELTOBBAGI	8	190210
	SCALE - SIZE	REVISION	DRAWING No.
	AS NOTED - A1	Н	D6

