STORMWATER MANAGEMENT PLAN

EROSION CONTROL

BEFORE EARTHWORKS CAN COMMENCE THE EROSION & SEDIMENT CONTROL MEASURES MUST BE IN PLACE.

DURING THE CONSTRUCTION PERIOD, THESE CONTROL MEASURES WILL NEED TO BE INSPECTED & MAINTAINED REGULARLY, ESPECIALLY AFTER STORM EVENTS, BY THE CONTRACTOR.

ALL WORK IS TO BE CARRIED OUT TO PREVENT EROSION, CONTAMINATION & SEDIMENTATION OF THE STORAGE SITE, SURROUNDING AREAS & DRAINAGE SYSTEMS.

MINIMIZE DISTURBED AREA COVERED WITH NATURAL VEGETATION. ONLY THOSE AREAS DIRECTLY REQUIRED FOR CONSTRUCTION ARE TO BE DISTURBED.

INSTALL EROSION/SEDIMENT CONTROL MEASURES PRIOR TO COMMENCEMENT OF CONSTRUCTION OR EXCAVATION OPERATIONS.

PROVIDE SILT FENCE/STRAW BAIL BARRIERS TO THE LOW SIDE OF ALL EXPOSED EARTH EXCAVATIONS. TIE SEDIMENT FENCING MATERIAL TO CYCLONE WRE SECURITY FENCE. SEDIMENT CONTROL FABRIC SHALL BE AN APPROVED MATERIAL (EG. HUMES PROPEX SILT STOP) STANDING 300mm ABOVE GROUND & EXTENDING 150mm BELOW GROUND.

ISOLATE EXISTING STORMWATER PITS WITH STRAW BALES OR SILT TRAPS TO FILTER ALL INCOMING FLOWS.

DO NOT STOCKPILE EXCAVATED MATERIAL ON THE ROAD WAY.

DIVERT CLEAN WATER FROM UNDISTURBED AREAS AROUND THE WORKING AREAS.

CONSTRUCTION ENTRY/EXIT SHALL BE VIA THE LOCATION NOTED ON THE DRAWING. CONTRACTOR SHALL ENSURE ALL DROPPABLE SOIL & SEDIMENT IS REMOVED PRIOR TO CONSTRUCTION TRAFFIC EXITING SITE. CONTRACTOR SHALL ENSURE ALL CONSTRUCTION TRAFFIC ENTERING AND LEAVING THE SITE DO SO IN A FORWARD DIFFCTION

TREAT THE STORMWATER RUNOFF WITH SUSPENDED SOLIDS SO
THE DISCHARGE WATER QUALITY TO COUNCIL STORMWATER
DRAINAGE SYSTEM HAS A MAXIMUM CONCENTRATION OF
SUSPENDED SOLIDS THAT DOES NOT EXCEED 50 MILLIGRAMS PER
LITRE IN ACCORDANCE WITH THE PROTECTION OF THE
ENVIRONMENT OPERATION ACT (POEO 1997) AND SHALL BE
APPROVED BY LOCAL COUNCIL

ADOPT TEMPORARY MEASURES AS MAY BE NECESSARY FOR EROSION & SEDIMENT CONTROL, INCLUDING BUT NOT LIMITED TO THE FOIL OWING: —

DRAINS: TEMPORARY DRAINS AND CATCH DRAINS.
 SPREADER BANKS OR OTHER STRUCTURES: TO DISPERSE.

CONCENTRATED RUNOFF.

CONCENTRATED RUNOFF.

— SILT TRAPS: CONSTRUCTION AND MAINTENANCE OF SILT TRAPS
TO PREVENT DISCHARGE OF SCOURED MATERIAL TO DOWNSTREAM
AREAS

AFTER RAIN, INSPECT, CLEAN, AND REPAIR IF REQUIRED, TEMPORARY EROSION & SEDIMENT CONTROL MEASURES.

REMOVE TEMPORARY EROSION & SEDIMENT CONTROL MEASURES WHEN THEY ARE NO LONGER REQUIRED.

COMPLY WITH THE REQUIREMENTS OF LANDCOM'S MANAGING URBAN STORMWATER — SOIL AND CONSTRUCTION 'THE BLUE BOOK' LATEST EDITION

THE EROSION & SEDIMENT CONTROL PLAN PROVIDED IS ONLY INDICATIVE. THE CONTRACTOR SHOULD PREPARE A DETAILED ESCP SUITABLE FOR THE SPECIFIC SITE CONDITIONS



DIAL BEFORE YOU DIG SHOULD BE CONTACTED PRIOR TO ANY EXCAVATION ON SITE

TM: TRADE MARK OF THE ASSOCIATION OF DIAL BEFORE YOU DIG SERVICES LTD. USED UNDER LICENSE.

GENERAL NOTES

ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS, BUILDING CODE OF AUSTRALIA, NSW CODE OF PRACTICE AND THE TO THE RELEVANT SERVICE CODES.

THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ALL DISCREPANCIES SHALL BE REFERRED TO THE SUPERINTENDENT FOR DECISION BEFORE PROCEEDING WITH THE WORK.

ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE IN MILLIMETERS (U.N.O.). DIMENSIONS SHALL NOT BE OBTAINED BY SCALING OF THESE DRAWINGS. USE FIGURED DIMENSIONS ONLY.

BENCHMARKS HAVE BEEN ESTABLISHED WHERE INDICATED ON THE DRAWINGS. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.). THE CONTRACTOR SHALL UNDERTAKE ALL NECESSARY SURVEY WORK TO ENSURE THAT THE WORKS ARE CONSTRUCTED TO DESIGN LINE AND LEVEL

SETTING OUT DIMENSIONS AND LEVELS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR.

ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE RELEVANT SAA CODES AND THE BY—LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL SAFETY FENCES, WARNING SIGNS, TRAFFIC DIVERSIONS AND THE LIKE DURING CONSTRUCTION. ALL WORKS TO COMPLY WITH WORK HEALTH AND SAFETY REQUIREMENTS AND OTHER RELEVANT AUTHORITY SAFETY REQUIREMENTS.

NO TREES SHALL BE REMOVED, CUTBACK OR RELOCATED WITHOUT THE WRITTEN INSTRUCTION FROM THE SUPERINTENDENT.

WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.

ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS AND THESE SPECIFICATIONS.

DESIGN LEVELS GIVEN ARE TO FINISHED SURFACE LEVEL AND INCLUSIVE OF TOPSOIL. (TOPSOIL DEPTH VARIES)

THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A N.A.T.A. REGISTERED SURVEYOR.

CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER TELECOMMUNICATIONS OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS.

THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ON THE DRAWING HAVE BEEN PLOTTED FROM DIAGRAMS PROVIDED BY SERVICE AUTHORITIES. THIS INFORMATION HAS BEEN PREPARED SOLELY FOR THE AUTHORITIES OWN USE AND MAY NOT NECESSARILY BE UPDATED OR ACCURATE.

THE POSITION OF SERVICES AS RECORDED BY THE AUTHORITY AT THE TIME OF INSTALLATION MAY NOT REFLECT CHANGES IN THE PHYSICAL ENVIRONMENT SUBSEQUENT TO INSTALLATION.

MODULAR ENGINEERS DOES NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THE DRAWING SHOWS MORE THAN THE PRESENCE OR ABSENCE OF SERVICES, AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN FROM THE UTILITY SERVICES AUTHORITIES A CURRENT COPY OF UNDERGROUND SERVICES SEARCH FOR THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF ANY WORK AND NOTIFY ANY CONFLICT WITH THE DRAWINGS IMMEDIATELY. CLEARANCE SHALL BE OBTAINED FROM THE RELEVANT REGULATORY AUTHORITY. CONTRACTOR TO KEEP COPY OF UNDERGROUND SERVICES SEARCH ON SITE AT ALL TIMES. ANY DAMAGES TO SERVICES OR SERVICES ADJUSTMENTS SHALL BE CARRIED OUT BY THE CONTRACTOR OR RELEVANT AUTHORITY AT THE CONTRACTOR'S EXPENSE.

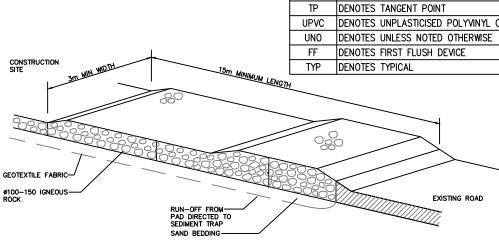
VISIT THE SITE BEFORE SUBMITTING THE FINAL TENDER PRICE TO ASSESS 'ON SITE' CONDITIONS. FAILURE TO DO SO WILL FORFEIT ANY CLAIM FOR NOT BEING AWARE OF CONDITIONS AFFECTING THE TENDER.

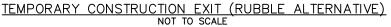
THE CONTRACTOR SHALL PREPARE ACCURATE WORK-AS-EXECUTED DRAWINGS FOLLOWING THE COMPLETION OF ALL WORKS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE IN PLACE & MAINTAIN TRAFFIC FACILITIES AT ALL TIMES DURING CONSTRUCTION.

	LEGEND
TÎT	DENOTED DOWN PIPE SPREADER
DP	DENOTES DOWN-PIPE
eDP	DENOTES EXISTING DOWN-PIPE
RWH_	DENOTES RAINWATER HEAD WITH DOWN-PIPE
	DENOTES RAINWATER CHARGED LINE
	DENOTES STORMWATER 1% MIN. FALL GRAVITY LINE
	DENOTES STORMWATER SEALED CHARGE LINE
/	DENOTES RAINWATER SEALED CHARGE LINE
	DENOTES ANTICIPATED ALIGNMENT OF EXISTING UNDERGROUND STORMWATER SYSTEM
	DENOTES SUBSOIL LINE
— sw—	DENOTES EXISTING STORMWATER LINE
<u> </u>	DENOTES AUTHORITY SEWER LINE
/	DENOTES SEDIMENT FENCE
Œ	DENOTES CLEAR OUT EYE POINT
Œ	DENOTES SEALED CLEAR OUT EYE POINT
	DENOTES GRATED SURFACE INLET PIT
	DENOTES GRATED TRENCH DRAIN
× <u>00.00</u>	DENOTES PROPOSED SPOT LEVEL
	DENOTES EXISTING GRATED SURFACE INLET PIT
\boxtimes	DENOTES EXISTING JUNCTION PIT
	DENOTES EXISTING KERB INLET PIT
eTEL	DENOTES EXISTING TELSTRA PIT
⊞ eHYD	DENOTES EXISTING HYDRANT
⊠ eSV	DENOTES EXISTING STOP VALVE
□ eGAS	DENOTES EXISTING GAS VALVE
O ePP	DENOTES EXISTING POWER POLE
O esmh	DENOTES EXISTING SEWER MANHOLE
OFP 🗪	DENOTES OVERLAND FLOW PATH

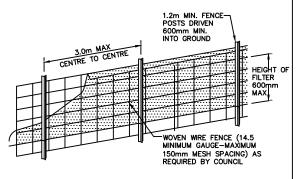
	ABBREVIATIONS
ø/DIA	DENOTED DIAMETER
CBR	DENOTED CALIFORNIA BEARING RATIO
СН	DENOTED CHAINAGE
CL	DENOTED CENTER LINE
СО	DENOTED CLEAR OUT
DD	DENOTES DISH DRAIN
DDO	DENOTES DISH DRAIN OUTLET
RCP	DENOTES REINFORCED CONCRETE PIPE
DP	DENOTES DOWNPIPE
ext	DENOTES EXISTING
FFL	DENOTES FINISHED FLOOR LEVEL
GTD	DENOTES GRATED TRENCH DRAIN
GSIP	DENOTES GRATED SURFACE INLET PIT
HYD	DENOTES HYDRANT
IJ	DENOTES ISOLATING JOINT
IL	DENOTES INVERT LEVEL
IP	DENOTES INTERSECTION POINT
KIP	DENOTES KERB INLET PIT
ко	DENOTES KERB OUTLET
K&G	DENOTES KERB & GUTTER
KR	DENOTES KERB RETURN
LS	DENOTES LONGITUDINAL SECTION
NGL	DENOTES NATURAL GROUND LEVEL
OFP	DENOTES OVERLAND FLOW PATH
OSD	DENOTES ON-SITE DETENTION
R	DENOTES RADIUS
RL	DENOTES REDUCED LEVEL
RW	DENOTES RETAINING WALL
RWT	DENOTES RAINWATER TANK
SJ	DENOTES SAWN CONTROL JOINT
SMH	DENOTES SEWER MAN HOLE
SW	DENOTES STORMWATER
SWP	DENOTES STORMWATER PIT
SWRM	DENOTES STORMWATER RISING MAIN
SV	DENOTES STOP VALVE
TOK	DENOTES TOP OF KERB
TOW	DENOTES TOP OF WALL
TWL	DENOTES TOP WATER LEVEL
TP	DENOTES TANGENT POINT
UPVC	DENOTES UNPLASTICISED POLYVINYL CHLORIDE
UNO	DENOTES UNLESS NOTED OTHERWISE
FF	DENOTES FIRST FLUSH DEVICE
TYP	DENOTES TYPICAL



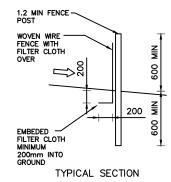


	DROP INLET WITH GRATE GEOTEXTILE FILTER FABRIC
SILT FENCE RUN-OFF WATER WITH SEDIMENT	
WITH SEDIMENT	

SUMP SEDIMENT TRAP



DIAGRAMMATIC VIEW



SEDIMENT FENCE DETAIL

ZE: A3 0 10 20 30 40 50 60 70 80 90 100 110	A3 ℃	: A3 ใ	0 10	20	30	40	50	60	70	80	90	100	110	12
---	------	--------	------	----	----	----	----	----	----	----	----	-----	-----	----

		REVISIONS	APPROVED BY		
REV.	DATE	DESCRIPTION	D.P.ENG.	DFT.	ALI AL-OBAIDI
A	30-JAN-2025	ISSUED FOR CDC	S.R.		MSc, BSc, MIEAust,CPEng,NER,NPER (No: 5358554).
В	13-FEB-2025	ISSUED FOR CDC	S.R.	S.R.	RPEQ(28316),
					PE(Victoia)No.0007689, PDP0000072,
					PRE0000191, DEP0000203

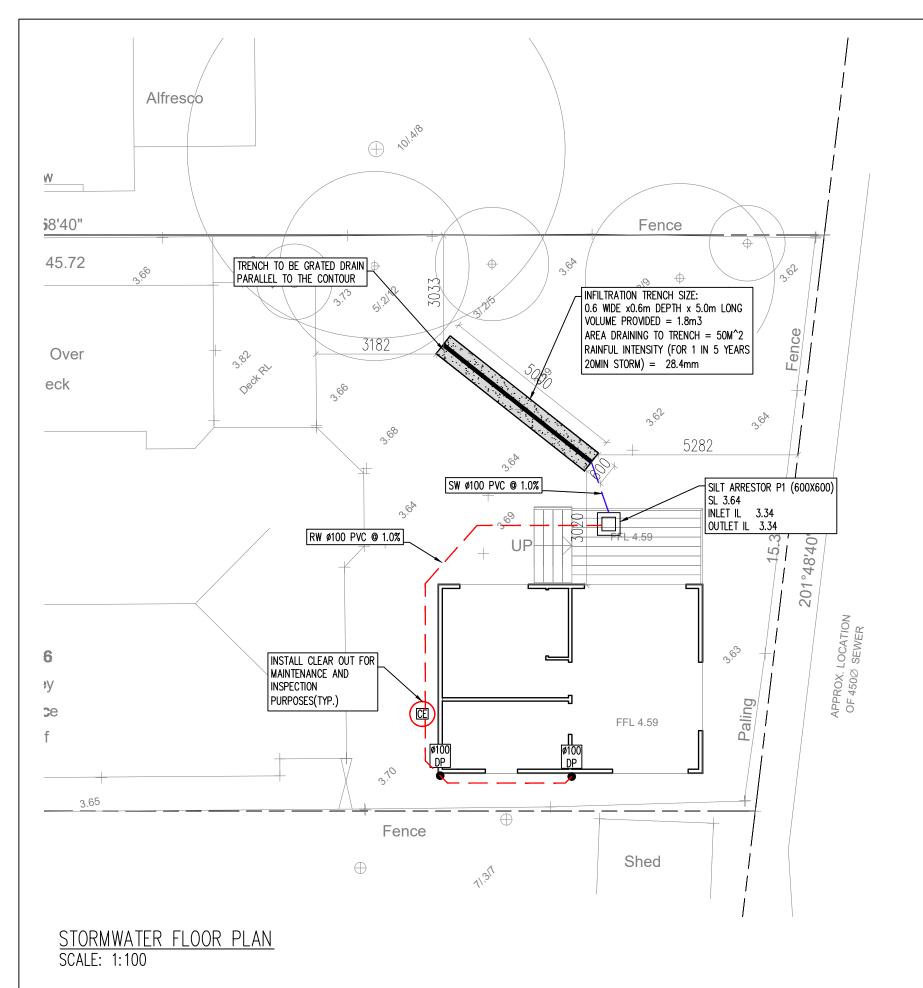


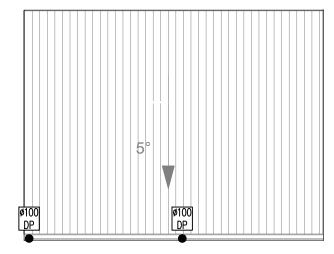
MODULAR ENGINEERS pty ltd A 6/7 PARKES STREET,PARRAMATTA NSW 2150 T 02 873 08473

M 04 208 98999 E info@modularengineers.com.au ABN 66 646 960 929

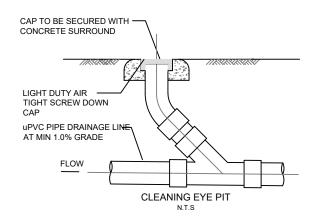
USE OF THESE DRAWINGS
THE DESIGN AND DETAILS SHOWN ON THESE DRAWINGS ARE APPLICABLE TO THIS PROJECT ONLY AND MAY NOT BE REPRODUCED IN WHOLE OR IN PART OR BE USED FOR ANY OTHER PROJECT OR PURPOSE WITHOUT THE WRITTEN PERMISSION OF MODULAR ENGINEERS WITH WHOM COPYRIGHT RESIDES

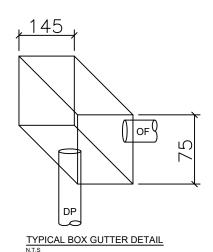
PROPOSED CONSTRUCTION OF A STUDIO
66 BARRENJOEY ROAD, MONA VALE
STW020-2025
TITLE PAGE, GENERAL NOTES, AND DETAILS-1
STW001
30-JAN-2025





STORMWATER ROOF PLAN SCALE: 1:100





	PIPE SCHEDULE					
TAG	SIZE MATERIA		GRADE	TYPE		
Α	DAI.100	P.V.C.	MIN. 1%	GRAVITY		
В	DAI.150	P.V.C.	MIN. 1%	GRAVITY		
Х	DAI.100	P.V.C.	CHARGE	TO RWT/PIT		
D	200X100	GALV. STEEL	MIN. 1%	TO KERB		
E	EXISTING	EXISTING	EXISTING	EXISTING		

<u>NOTES:</u> DRAINAGE

- A. ALL PIPES TO BE LAID ON 75mm SAND BED WITH THE BARRELS FULLY SUPPORTED
- B. 100mm AND 150mm DIAMETER PIPES TO BE LAID ON MINIMUM 1% GRADE
- C. MINIMUM DEPTH OF COVER FOR PIPES NOT SUBJECT TO VEHICULAR LOADING TO BE
- D. ALL DRAINAGE PIPES LAID UNDER PAVEMENT SHALL BE REINFORCED CONCRETE WITH RUBBER RING JOINTS
- E. BACKFILL TRENCHES WITH COMPACTED SAND OR APPROVED AGGREGATE MATERIAL
- . ALL PITS TO HAVE 600x600mm INTERNAL DIMENSIONS (U.N.O.)
- G. SILT ARRESTÒRS TÓ HAVE 900x900mm INTERNAL DIMENSIONS
- H. HEAVY DUTY GALV. STEEL GRATES AND
 COVERS ARE TO BE PROVIDED IN TRAFFICABLE
 AREAS
- I. HEEL & WHEELCHAIR SAFE GRATE COVERS ARE TO BE PROVIDED IN PEDESTRIAN AREAS J. PIT GRATE TO BE TYPE WELDLOK OR
- APPROVED EQUIVALENT

 ALL PITS GREATER THAN 900mm DEEP SHALL BE PROVIDED WITH A CHILD-PROOF LOCKING
- L. ALL PITS SHALL BE MAINTAINED REGULARLY
- M. ALL PITS TO BE BENCHED MIN. 20mm TO INVERT OF OUTLET
- N. Ø100 SUBSOIL DRAINAGE PIPE WRAPPED IN FABRIC SOCK TO BE PROVIDED IN ALL LANDSCAPED AREAS & BEHIND RETAINING WALLS AND CONNECTED TO THE NEAREST STORMWATER PIT.
- O. COMPRESSIVE STRENGTH 1'6 FOR CAST IN SITU CONCRETE TO BE A MINIMUM OF 20MPa AT 28 DAYS
- . Provide Cleaning Eyes to all DownPipes Not Directly Connected to Pits . Isolated Joints to be provided to Isolate
- CONCRETE PAVEMENTS FROM PITS
- . ALL TRENCH GRATES PROVIDED SHALL HAVE A MINIMUM CLEAR WIDTH OF 200mm
- S. STORMWATER DRAINAGE CONNECTIONS TO THE MAIN SYSTEM SHALL BE TO THE REQUIREMENTS AND THE SATISFACTION OF LOCAL COUNCIL

UPPER LEVEL

- A. INSTALL Ø65mm upvc spitter pipes 20mm ABOVE SURFACE LEVEL FOR BALCONY AND CONCRETE ROOF AREAS TO ALLOW FOR EMERGENCY OVERFLOW INCASE OF BLOCKAGES DURING HEAVY STORMS. PLUMBER TO CONFIRM LOCATION DURING CONSTRUCTION.
- B. BALCONY, TERRACE & CONCRETE ROOF AREAS TO BE FITTED WITH RAINWATER OUTLETS AND CONNECTED TO NEAREST DOWNPIPE WHERE REQUIRED (TYP).
- C. DOWNPIPES (DP) SHOWN ON PLAN ARE TO BE ø100mm uPVC OR 100x75 U.N.O. (TYP).
- D. CHARGED DOWNPIPES SHOWN ON PLAN MUST BE SEWER GRADE Ø100mm uPVC WITH ALL JOINTS SOLVENT WELDED TO A LEVEL 1200mm ABOVE THE RAINWATER TANK INLET R.L. (TYP)
- PROPOSED DOWNPIPE LOCATIONS ARE NOMINAL AND TO BE CONFIRMED DURING CONSTRUCTION (TYP).
- F. INSTALL DOWNPIPE WITH SPREADER PIPE (SP) (IF REQUIRED) TO DISPERSE STORMWATER ONTO LOWER ROOF AREAS EFFECTIVELY.

SIZE: A3 0 10 20 30 40 50 60 70 80 90 100 110 120

REVISIONS APPROVED BY DATE DESCRIPTION ALI AL-OBAIDI MSc, BSc, MIEAust, CPEng, NER, NPER 30-JAN-2025 ISSUED FOR CDC S.R. S.R. (No: 5358554), RPEQ(28316), 13-FEB-2025 ISSUED FOR CDC S.R. S.R. PE(Victoia)No.0007689, PDP0000072, PRF0000191

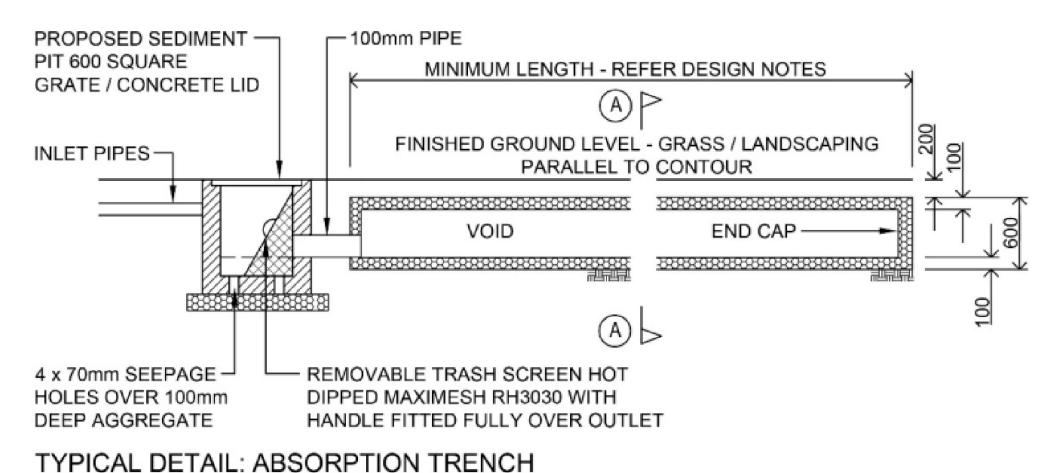


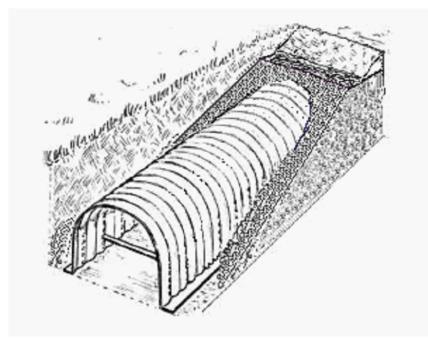
MODULAR ENGINEERS pty Itd A 6/7 PARKES STREET,PARRAMATTA NSW 2150 T 02 873 08473

T 02 873 08473 M 04 208 98999 E info@modularengineers.com.au ABN 66 646 960 929

USE OF THESE DRAWINGS
THE DESIGN AND DETAILS SHOWN ON THESE DRAWINGS ARE APPLICABLE TO THIS PROJECT ONLY AND MAY NOT BE REPRODUCED IN WHOLE OR IN PART OR BE USED FOR ANY OTHER PROJECT OR PURPOSE WITHOUT THE WRITTEN PERMISSION OF MODULAR ENGINEERS WITH WHOM COPYRIGHT RESIDES

PROJECT TITLE :	PROPOSED CONSTRUCTION OF A STUDIO
PROJECT ADDRESS :	66 BARRENJOEY ROAD, MONA VALE
PROJECT NO. :	STW020-2025
DRAWING TITLE :	STORMWATER DESIGN PLANS
DRAWING NO. :	STW002
ISSUE DATE :	30-JAN-2025





DESIGN NOTES

- 1. 1 METRE RUN OF TRENCH FOR 10m2 OF AREA DRAINING TO IT.
- ALL TRENCHES MUST BE A MINIMUM OF 5 METRES AND PREFERABLY 8
 METRES FROM DOWNSLOPE BOUNDARY.
- 3. ALL TRENCHES MUST BE 3 METRES FROM FOOTINGS OF ANY STRUCTURES.
- 4. ALL TRENCHES MUST RUN ALONG THE CONTOUR LINE.
- SIZE AND CAPACITY TO BE 410 JUMBO EVERTRENCH (EVERHARD INDUSTRIES) PLASTIC TRENCH OR EQUIVALENT.



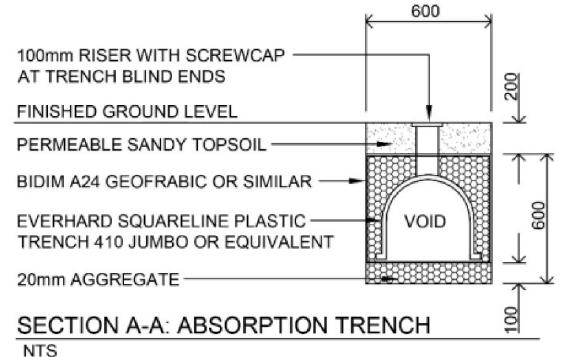
Table 7 Requirements for Size and Allowable Discharge from On-Site Detention Systems

Additional Hard (Impervious) Surface Area square metres)	Minimum Capacity of On-Site Detention Tank (Litres)	Discharge Rate Litres/Sec		
0 -50	Nil	Nil		
>50 - 75	4,500	2		
>75 - 100	6,000	3		
>100 - 150	9,000	4		
>150 - 200	12,000	6		
>200 - 250	15,000	7		
>250 - 300	18,000	9		
>300 - 400	24,000	12		
>400 - 500	30,000	15		
>500 - 600	36,000	18		
>600 - 700	42,000	21		
>700 - 800	48,000	24		
>800 - 900	54,000	27		
>900 - 1,000	60,000	30		
>1,000*	A minimum storage capacity of 60 liters per m ² of additional hard/impervious surface area, and a discharge rate which replicates the discharge from the site were it to be undeveloped.			

*Developments exceeding 1,000 square metres of additional hard (impervious) surface area must also provide with the Water Management Plan, an Integrated Water Management Strategy prepared by a suitably qualified and experienced Water Engineer. The plan must demonstrate that stormwater flows discharged from the site is to be no greater than what would have occurred predevelopment, and that Water Sensitive Urban Design principles have been practically maximised within the proposed development.

-600 SQ. STEEL GALVANISED GRATE LYSAGHT GALVANIZED HANDLE TO ALLOW MAXIMESH RH 3030 FASY REMOVAL SCREEN IN GALVANIZED GUIDE CHANNELS Ø100 UPVC INFLOW PIPE -DIRECTED ACROSS SCREEN TO PROMOTE SELF CLEANING -SMALL AIR HOLE TO PREVENT SYPHONING REPLACEABLE GEOTEXTILE FILTER FABRIC TWO 1/2 BRICK PIT WALLS & SLABS TO STRUCTURAL ENGINEER DETAILS PERMANENT GEOTEXTILE SURROUNDING 4×100 DIAMETER **DETAII BEACHES** COUNCIL SILT/LITTER ARRESTOR

NTS



SIZE: A3 0 10 20 30 40 50 60 70 80 90 100 110 120

		REVISIONS	APPROVED BY		
REV.	DATE	DESCRIPTION	D.P.ENG.	DFT.	ALI AL-OBAIDI
Α	30-JAN-2025	ISSUED FOR CDC	S.R.		MSc, BSc, MIEAust,CPEng,NER,NPER (No: 5358554).
В	13-FEB-2025	ISSUED FOR CDC	S.R.	S.R.	RPEQ(28316),
					PE(Victoia)No.0007689, PDP0000072,
					PRE0000191, DEP0000203

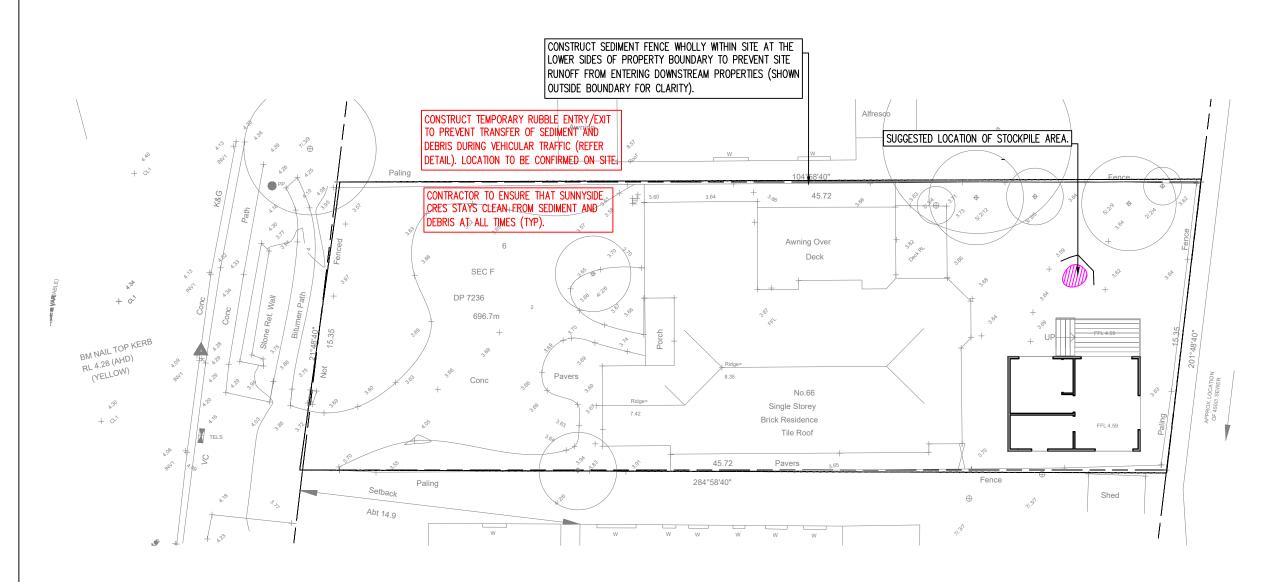


MODULAR ENGINEERS pty ltd A 6/7 PARKES STREET,PARRAMATTA NSW 2150 T 02 873 08473

M 04 208 98999 E info@modularengineers.com.au ABN 66 646 960 929

USE OF THESE DRAWINGS
THE DESIGN AND DETAILS SHOWN ON THESE DRAWINGS ARE APPLICABLE TO THIS PROJECT ONLY AND
MAY NOT BE REPRODUCED IN WHOLE OR IN PART OR BE USED FOR ANY OTHER PROJECT OR PURPOSE
WITHOUT THE WRITTEN PERMISSION OF MODULAR ENGINEERS WITH WHOM COPYRIGHT RESIDES

ROJECT TITLE :	PROPOSED CONSTRUCTION OF A STUDIO
ROJECT ADDRESS :	66 BARRENJOEY ROAD, MONA VALE
PROJECT NO. :	STW020-2025
RAWING TITLE :	STORMWATER DETAILS AND NOTES
PRAWING NO. :	STW003
SSUE DATE :	30-JAN-2025



EROSION AND SEDIMENT CONTROL PLAN SCALE: 1: 200

SIZE: A3 0 10 20 30 40 50 60 70 80 90 100 110 120

APPROVED BY REVISIONS DATE ALI AL-OBAIDI MSc, BSc, MIEAust,CPEng,NER,NPER 30-JAN-2025 ISSUED FOR CDC S.R. S.R. (No: 5358554), 13-FEB-2025 ISSUED FOR CDC S.R. S.R. RPEQ(28316), PE(Victoia)No.0007689, PDP0000072, PRF0000191.



MODULAR ENGINEERS pty Itd A 6/7 PARKES STREET,PARRAMATTA NSW 2150 T 02 873 08473

T 02 873 08473 M 04 208 98999 E info@modularengineers.com.au ABN 66 646 960 929

USE OF THESE DRAWINGS
THE DESIGN AND DETAILS SHOWN ON THESE DRAWINGS ARE APPLICABLE TO THIS PROJECT ONLY AND
MAY NOT BE REPRODUCED IN WHOLE OR IN PART OR BE USED FOR ANY OTHER PROJECT OR PURPOSE
WITHOUT THE WRITTEN PERMISSION OF MODULAR ENGINEERS WITH WHOM COPYRIGHT RESIDES

PROJECT TITLE: PROPOSED CONSTRUCTION OF A STUDIO
PROJECT ADDRESS: 66 BARRENJOEY ROAD, MONA VALE
PROJECT NO.: STW020-2025

DRAWING TITLE: STORMWATER DETAILS AND NOTES

DRAWING NO.: STW004

ISSUE DATE: 30-JAN-2025

EROSION CONTROL

BEFORE EARTHWORKS CAN COMMENCE THE EROSION &
SEDIMENT CONTROL MEASURES MUST BE IN PLACE.

DURING THE CONSTRUCTION PERIOD, THESE CONTROL MEASURES WILL NEED TO BE INSPECTED & MAINTAINED REGULARLY, ESPECIALLY AFTER STORM EVENTS, BY THE CONTRACTOR.

ALL WORK IS TO BE CARRIED OUT TO PREVENT EROSION, CONTAMINATION & SEDIMENTATION OF THE STORAGE SITE, SURROUNDING AREAS & DRAINAGE SYSTEMS.

MINIMIZE DISTURBED AREA COVERED WITH NATURAL VEGETATION. ONLY THOSE AREAS DIRECTLY REQUIRED FOR CONSTRUCTION ARE TO BE DISTURBED.

INSTALL EROSION/SEDIMENT CONTROL MEASURES PRIOR TO COMMENCEMENT OF CONSTRUCTION OR EXCAVATION OPERATIONS.

PROVIDE SILT FENCE/STRAW BAIL BARRIERS TO THE LOW SIDE OF ALL EXPOSED EARTH EXCAVATIONS. TIE SEDIMENT FENCING MATERIAL TO CYCLONE WIRE SECURITY FENCE. SEDIMENT CONTROL FABRIC SHALL BE AN APPROVED MATERIAL (EG. HUMES PROPEX SILT STOP) STANDING 300mm ABOVE GROUND & EXTENDING 150mm BELOW GROUND.

ISOLATE EXISTING STORMWATER PITS WITH STRAW BALES OR SILT TRAPS TO FILTER ALL INCOMING FLOWS.

DO NOT STOCKPILE EXCAVATED MATERIAL ON THE ROAD WAY.

DIVERT CLEAN WATER FROM UNDISTURBED AREAS AROUND THE WORKING AREAS.

CONSTRUCTION ENTRY/EXIT SHALL BE VIA THE LOCATION NOTED ON THE DRAWING. CONTRACTOR SHALL ENSURE ALL DROPPABLE SOIL & SEDIMENT IS REMOVED PRIOR TO CONSTRUCTION TRAFFIC EXITING SITE. CONTRACTOR SHALL ENSURE ALL CONSTRUCTION TRAFFIC ENTERING AND LEAVING THE SITE DO SO IN A FORWARD DIRECTION.

TREAT THE STORMWATER RUNOFF WITH SUSPENDED SOLIDS SO THE DISCHARGE WATER QUALITY TO COUNCIL STORMWATER DRAINAGE SYSTEM HAS A MAXIMUM CONCENTRATION OF SUSPENDED SOLIDS THAT DOES NOT EXCEED 50 MILLIGRAMS PER LITRE IN ACCORDANCE WITH THE PROTECTION OF THE ENVIRONMENT OPERATION ACT (POEO 1997) AND SHALL BE APPROVED BY LOCAL COUNCIL.

ADOPT TEMPORARY MEASURES AS MAY BE NECCESSARY FOR EROSION & SEDIMENT CONTROL, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- DRAINS: TEMPORARY DRAINS AND CATCH DRAINS.
 SPREADER BANKS OR OTHER STRUCTURES: TO DISPERSE
- SILT TRAPS: CONSTRUCTION AND MAINTENANCE OF SILT TRAPS TO PREVENT DISCHARGE OF SCOURED MATERIAL TO DOWNSTREAM AREAS.

AFTER RAIN, INSPECT, CLEAN, AND REPAIR IF REQUIRED, TEMPORARY EROSION & SEDIMENT CONTROL MEASURES.

REMOVE TEMPORARY EROSION & SEDIMENT CONTROL MEASURES WHEN THEY ARE NO LONGER REQUIRED.

COMPLY WITH THE REQUIREMENTS OF LANDCOM'S MANAGING URBAN STORMWATER — SOIL AND CONSTRUCTION 'THE BLUE BOOK' LATEST EDITION

THE EROSION & SEDIMENT CONTROL PLAN PROVIDED IS ONLY INDICATIVE. THE CONTRACTOR SHOULD PREPARE A DETAILED ESCP SUITABLE FOR THE SPECIFIC SITE CONDITIONS