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

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 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

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

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

CONCENTRATED RUNOFF.

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

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

REMOVE TEMPORARY EROSION & SEDIMENT CONTROL MEASURES

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

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

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

ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS THE RELEVANT SAA CODES AND THE BY-LAWS AND ORDINANCES 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 REQUIREMENTS AND OTHER RELEVANT AUTHORITY SAFETY

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

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

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

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.

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.

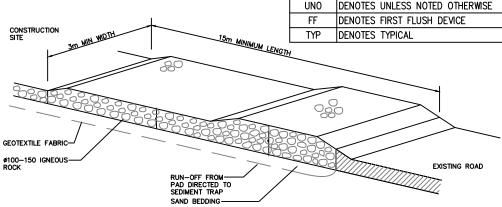
VISIT THE SITE BEFORE SUBMITTING THE FINAL TENDER PRICE TO ASSESS 'ON SITE' CONDITIONS. FAILURE TO DO SO WILL FORFEIT ANY CLAIM FOR NOT BEING AWARE OF CONDITIONS AFFECTING THE TENDER

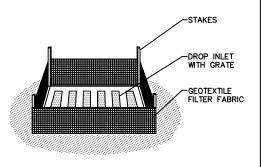
THE CONTRACTOR SHALL PREPARE ACCURATE WORK-AS-EXECUTED DRAWINGS FOLLOWING THE COMPLETION OF ALL WORKS.

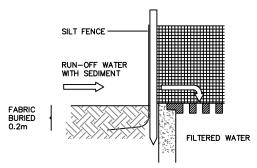
IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE IN PLACE & MAINTAIN TRAFFIC FACILITIES AT ALL TIMES DURING CONSTRUCTION

	LEGEND
m	DENOTED DOWN PIPE SPREADER
DP	DENOTES DOWN-PIPE
eDP	DENOTES EXISTING DOWN-PIPE
RWH	DENOTES RAINWATER HEAD WITH DOWN-PIPE
	DENOTES RAINWATER 1% MIN. FALL GRAVITY 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
s	DENOTES AUTHORITY SEWER LINE
/	DENOTES SEDIMENT FENCE
Œ	DENOTES CLEAR OUT EYE POINT
(CE)	DENOTES SEALED CLEAR OUT EYE POINT
	DENOTES GRATED SURFACE INLET PIT
	DENOTES GRATED TRENCH DRAIN
< 00.00	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
S eGAS	DENOTES EXISTING GAS VALVE
O ePP	DENOTES EXISTING POWER POLE
O esmh	DENOTES EXISTING SEWER MANHOLE
OFP 🗪	DENOTES OVERLAND FLOW PATH

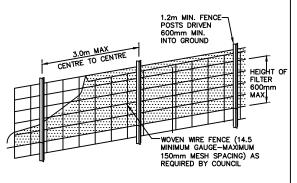
ABBREVIATIONS					
ø/DIA	DENOTED DIAMETER				
CBR	DENOTED CALIFORNIA BEARING RATIO				
CH	DENOTED CHAINAGE				
CL	DENOTED CENTER LINE				
CO	DENOTED CLEAR OUT				
DD	DENOTES DISH DRAIN				
DDO	DENOTES DISH DRAIN OUTLET				
RCP	DENOTES REINFORCED CONCRETE PIPE				
DP	DENOTES DOWNPIPE				
ext	DENOTES EXISTING				
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 UNILESS NOTED OTHERWISE				
UNO FF	DENOTES UNLESS NOTED OTHERWISE DENOTES FIRST FLUSH DEVICE				
TYP	DENOTES TYPICAL				
1.11	DEMOTES THEORE				



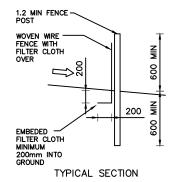




SUMP SEDIMENT TRAP NOT TO SCALE



DIAGRAMMATIC VIEW



SEDIMENT FENCE DETAIL

TEMPORARY CONSTRUCTION EXIT (RUBBLE ALTERNATIVE) 100 110 120 SIZE: A3 L

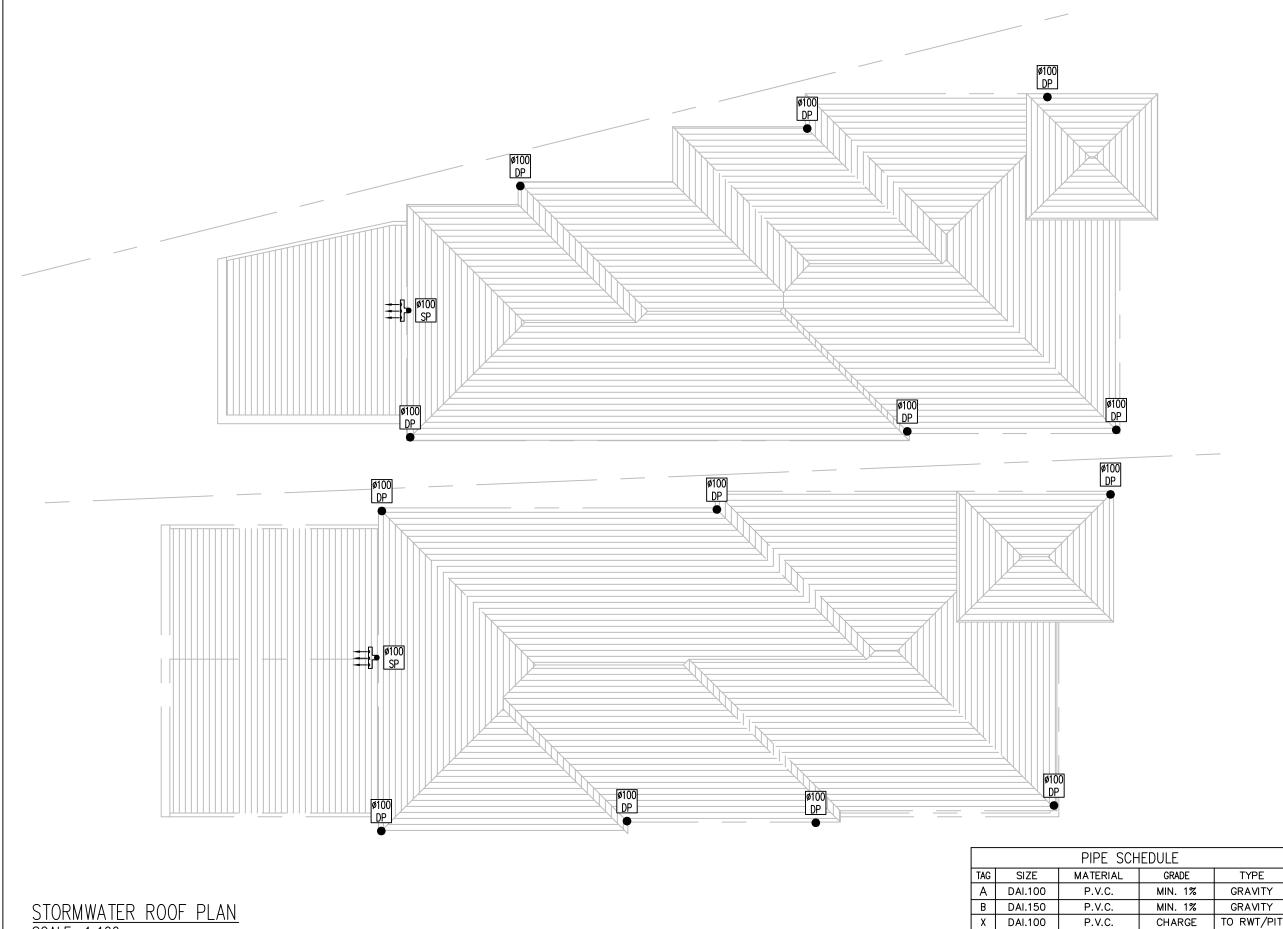
		REVISIONS	APPROVED BY		
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A	24/02/2024	ISSUED FOR CDC	S.R.		MSc, BSc, MIEAust,CPEng,NER,NPER (No: 5358554),
В	09/07/2024	ISSUED FOR CDC	S.R.	S.R.	RPEQ(28316),
					PE(Victoia)No.0007689, PDP0000072,
					PRE0000191, DEP0000203



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PROJECT ADDRESS :	102 SANDAKAN ROAD, REVESBY HEIGHTS, NSW 2122
PROJECT NO. :	STW097- 2024
DRAWING TITLE :	TITLE PAGE, GENERAL NOTES, AND DETAILS-1
DRAWING NO. :	STW001
SSUE DATE :	16/05/2024



SCALE: 1:100

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

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REV.	DATE	DESCRIPTION	D.P.ENG.	DFT.	ALI AL-OBAIDI]-
A	24/02/2024	ISSUED FOR CDC	S.R.		MSc, BSc, MIEAust,CPEng,NER,NPER (No: 5358554).	-
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D

200X100

E EXISTING

GALV. STEEL

EXISTING

MIN. 1%

EXISTING

TO KERB

EXISTING

PROJECT TITLE :	PROPOSED CONSTRUCTION OF DUAL OCCUPANCY
PROJECT ADDRESS :	102 SANDAKAN ROAD, REVESBY HEIGHTS, NSW 2122
PROJECT NO. :	STW097- 2024
DRAWING TITLE :	STORMWATER DESIGN PLANS
DRAWING NO. :	STW002
ISSUE DATE :	16/05/2024
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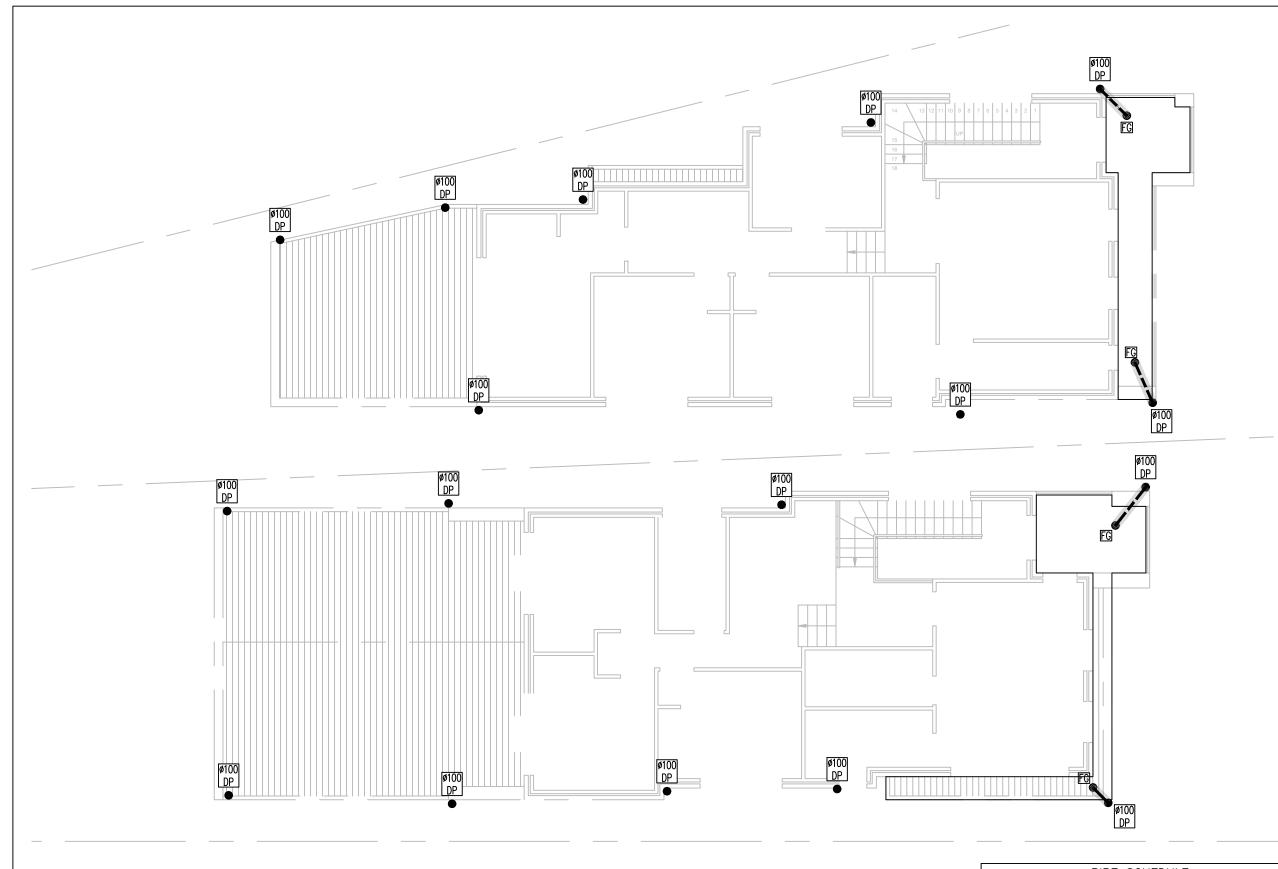
DRAINA

- 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
- MINIMUM DEPTH OF COVER FOR PIPES NOT SUBJECT TO VEHICULAR LOADING TO BE 300mm
- 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
- F. 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
 ARFAS
- 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
 CLIP
- 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° FOR CAST IN SITU CONCRETE TO BE A MINIMUM OF 20MPa AT 28 DAYS
- P. PROVIDE CLEANING EYES TO ALL DOWNPIPES NOT DIRECTLY CONNECTED TO PITS
- Q. 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 \$100mm 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).
- E. PROPOSED DOWNPIPE LOCATIONS ARE NOMINAL AND TO BE CONFIRMED DURING CONSTRUCTION (TYP).
- INSTALL DOWNPIPE WITH SPREADER PIPE (SP)
 (IF REQUIRED) TO DISPERSE STORMWATER ONTO LOWER ROOF AREAS EFFECTIVELY.



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

NOTE

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 300mm
- 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
- F. 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
 K. 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.
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 OF THE PROVIDE TO PERSON TO LOCAL TO
- Q. ISOLATED JOINTS TO BE PROVIDED TO ISOLATE CONCRETE PAVEMENTS FROM PITS
 R. 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.
- 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 \$\psi 100mm 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).
- E. PROPOSED DOWNPIPE LOCATIONS ARE NOMINAL AND TO BE CONFIRMED DURING CONSTRUCTION (TYP).
- INSTALL DOWNPIPE WITH SPREADER PIPE (SP)
 (IF REQUIRED) TO DISPERSE STORMWATER ONTO LOWER ROOF AREAS EFFECTIVELY.

SCALE: 1:100

STORMWATER FIRST FLOOR PLAN

SIZE: A3 L

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					PE(Victoia)No.0007689, PDP0000072,	-1-7
					PRE0000191, DEP0000203	

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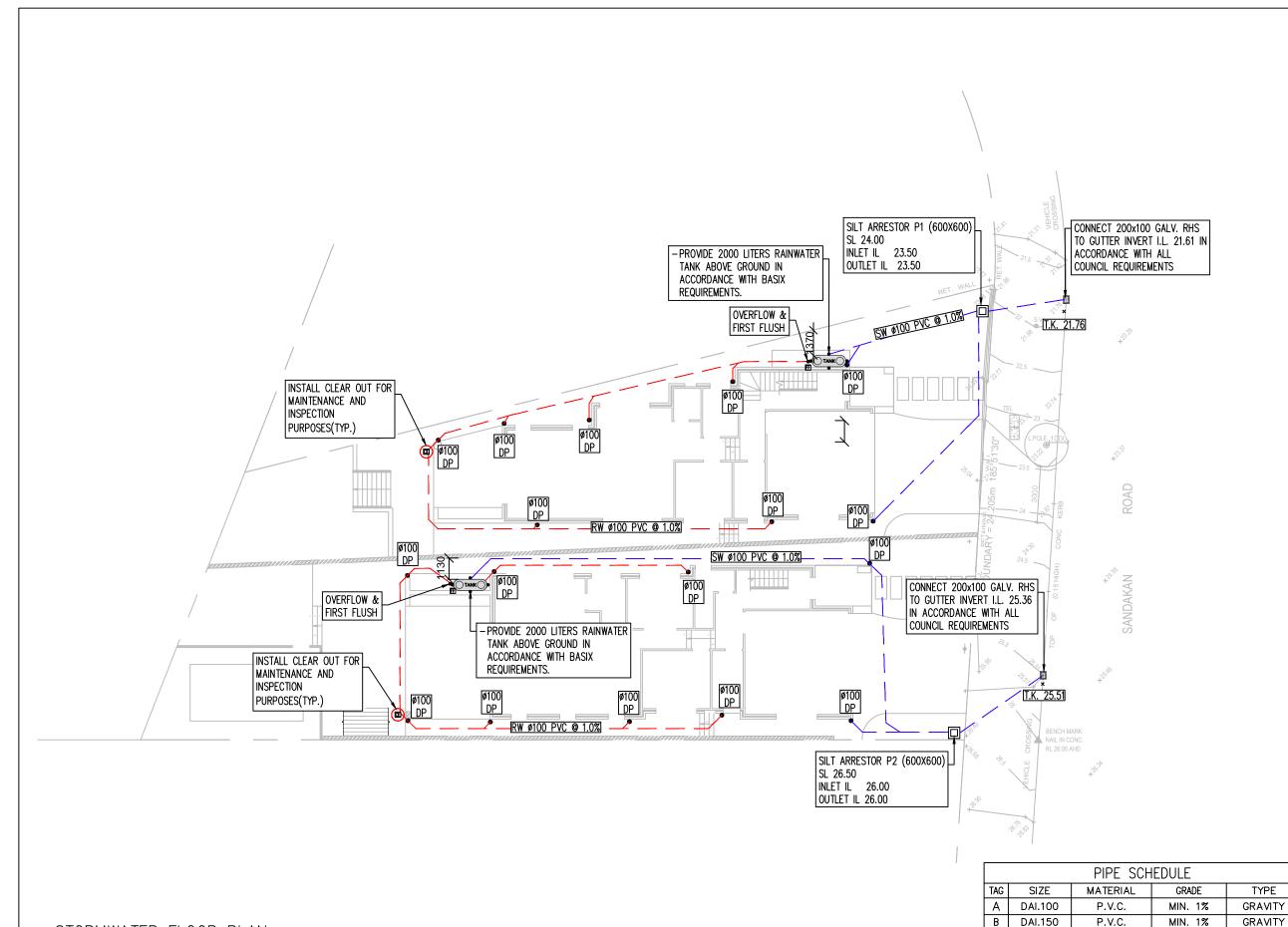
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PROJECT ADDRESS :	102 SANDAKAN ROAD, REVESBY HEIGHTS, NSW 2122
PROJECT NO. :	STW097- 2024
DRAWING TITLE :	STORMWATER DESIGN PLANS
DRAWING NO. :	STW003
ISSUE DATE :	16/05/2024



STORMWATER FLOOR PLAN SCALE: 1: 200

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

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REV.	DATE	DESCRIPTION	D.P.ENG.	DFT.	ALI AL-OBAIDI	-1
A	24/02/2024	ISSUED FOR CDC	S.R.	S.R.	MSc, BSc, MIEAust,CPEng,NER,NPER (No: 5358554).	
В	09/07/2024	ISSUED FOR CDC	S.R.		RPEQ(28316),	
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Χ

D

DAI.100

200X100

E EXISTING

P.V.C.

GALV. STEEL

EXISTING

CHARGE

MIN. 1%

EXISTING

TO RWT/PIT

TO KERB

EXISTING

PROJECT TITLE :	PROPOSED CONSTRUCTION OF DUAL OCCUPANCY
PROJECT ADDRESS :	102 SANDAKAN ROAD, REVESBY HEIGHTS, NSW 2122
PROJECT NO. :	STW097- 2024
DRAWING TITLE :	STORMWATER DESIGN PLANS
DRAWING NO. :	STW004
SSUE DATE :	16/05/2024

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
- . MINIMUM DEPTH OF COVER FOR PIPES NOT SUBJECT TO VEHICULAR LOADING TO BE 300mm
- ALL DRAINAGE PIPES LAID UNDER PAVEMENT SHALL BE REINFORCED CONCRETE WITH RUBBER RING JOINTS
- E. BACKFILL TRENCHES WITH COMPACTED SAND OR APPROVED AGGREGATE MATERIAL
- F. ALL PITS TO HAVE 600x600mm INTERNAL DIMENSIONS (U.N.O.)
- G. SILT ARRESTORS TO HAVE 900x900mm INTERNAL DIMENSIONS
- H. HEAVY DUTY GALV. STEEL GRATES AND
 COVERS ARE TO BE PROVIDED IN TRAFFICABLE
 ARFAS
- 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
 R. 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 \$\psi 100mm 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)
- E. PROPOSED DOWNPIPE LOCATIONS ARE NOMINAL AND TO BE CONFIRMED DURING CONSTRUCTION
- (1147). Install downpipe with spreader pipe (SP) (If required) to disperse stormwater onto

LOWER ROOF AREAS EFFECTIVELY.

DESIGN NOTES:

THE SITE IS LOCATED IN CANTERBURY — BANKSTOWN COUNCIL.

SITE AREA = $364m^2$ (BY CALC'S)(UNIT 1) SITE AREA = $419m^2$ (BY CALC'S)(UNIT 2)

DEVELOPMENT IMPERVIOUS AREA = 239m² (65.7%)(UNIT 1)
DEVELOPMENT IMPERVIOUS AREA = 270m² (64.4%)(UNIT 2)

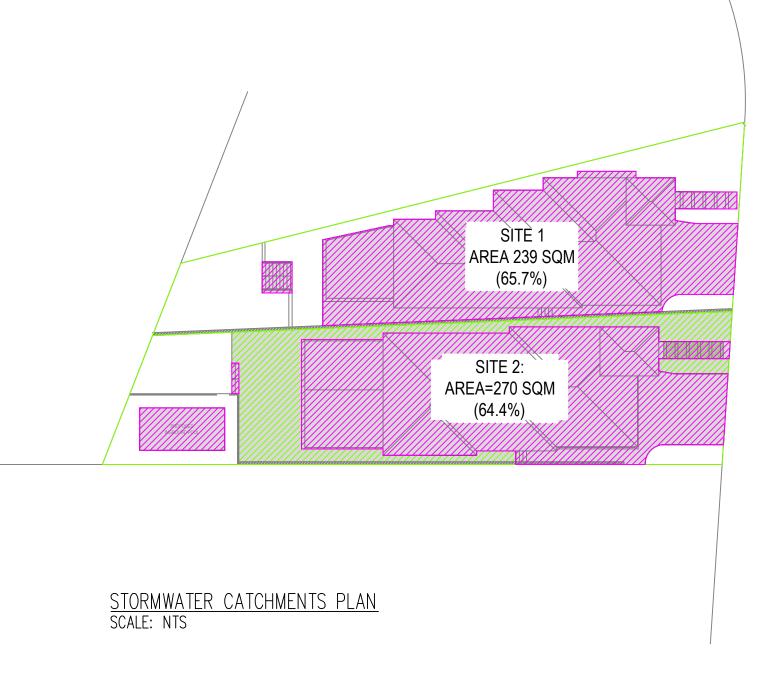
SINGLE IMPERVIOUS AREA IS LESS THAN 66% AND COMBINED IMPERVIOUS AREA IS LESS THAN 75%; THEREFORE OSD IS NOT REQUIRED AS PER SECTION 4, CL 4.1 OF CANTERBURY BANKSTOWN DEVELOPMENT CONTROL, PLAN 2021

ALL NEW STORMWATER PIPES TO HAVE A MINIMUM OF 100mm CONCRETE OR 300mm TOPSOIL COVER U.N.O.

INSTALL CLEAR OUT FOR INSPECTION AND MAINTENANCE PURPOSES WHERE REQUIRED.

RAINWATER TANK TO BE EQUIPPED WITH FIRST FLUSH AND MOSQUITO PROTECTION DEVICES (REFER DETAIL).

LOCATION RAINWATER TANK SHOWN ON PLAN IS INDICATIVE. TO BE CONFIRMED DURING CONSTRUCTION.



	PIPE SCHEDULE						
TAG	TAG SIZE MATERIAL 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			

NOTES

- 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 300mm
 - 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
- F. 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
- I. HEEL & WHEELCHAIR SAFE GRATE COVERS ARE TO BE PROVIDED IN PEDESTRIAN AREAS J. PIT GRATE TO BE TYPE WELDLOK OR
- J. PIT GRATE TO BE TYPE WELDLOK OR APPROVED EQUIVALENT
- K. ALL PITS GREATER THAN 900mm DEEP SHALL BE PROVIDED WITH A CHILD-PROOF LOCKING CLIP
- 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.
- COMPRESSIVE STRENGTH f'_€ FOR CAST IN SITU CONCRETE TO BE A MINIMUM OF 20MPa AT 28 DAYS
- P. PROVIDE CLEANING EYES TO ALL DOWNPIPES NOT DIRECTLY CONNECTED TO PITS
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- E. 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
SIZE: A3													

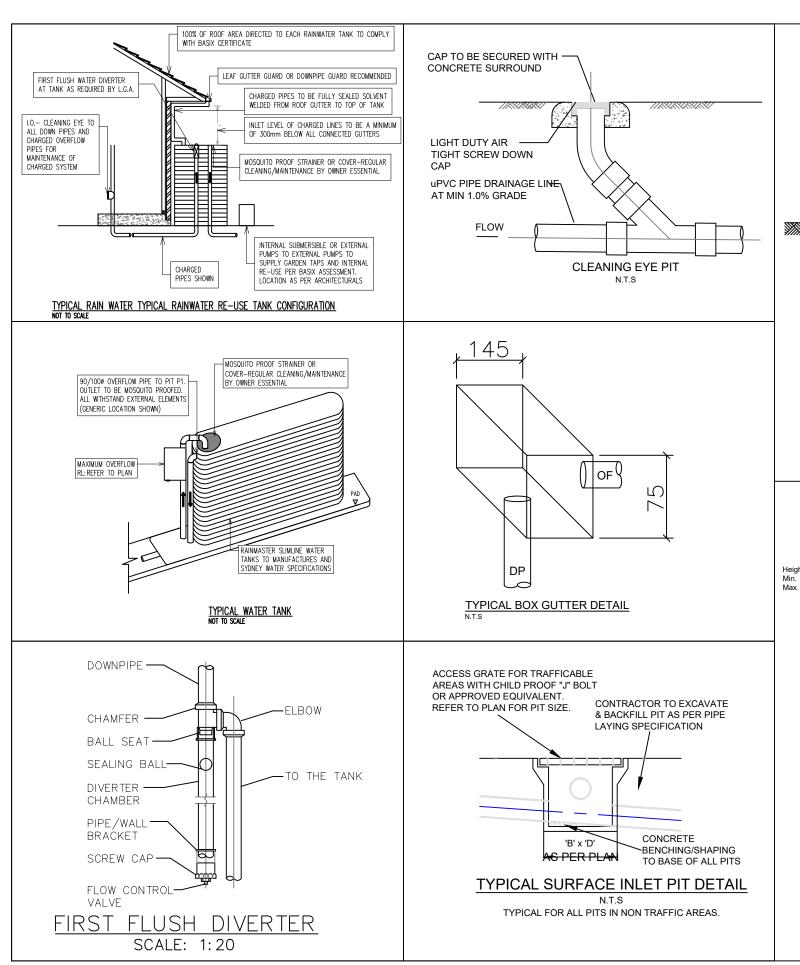
			REVISIONS	AFFROVED BY		
RE	٧.	DATE	DESCRIPTION	D.P.ENG.	DFT.	ALI AL-OBAIDI
A	١	24/02/2024	ISSUED FOR CDC	S.R.		MSc, BSc, MIEAust,CPEng,NER,NPER (No: 5358554).
В	}	09/07/2024	ISSUED FOR CDC	S.R.	S.R.	RPEQ(28316),
						PE(Victoia)No.0007689, PDP0000072,
						PRE0000191, IDEP0000203

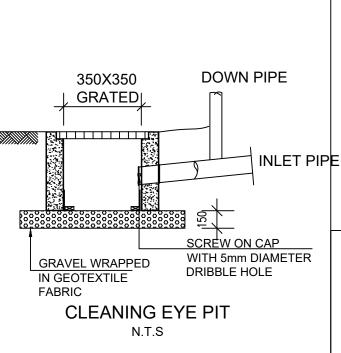


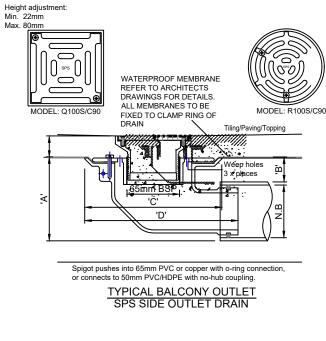
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MOB: 0415 299 346
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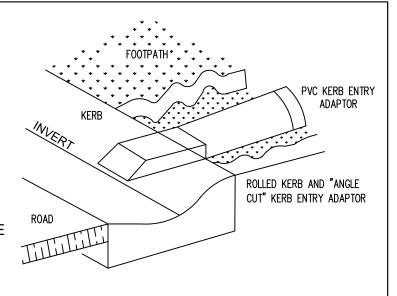
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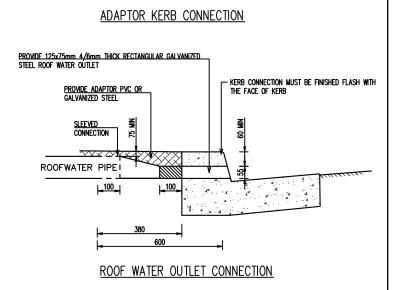
PROJECT TITLE :	PROPOSED CONSTRUCTION OF DUAL OCCUPANCY
PROJECT ADDRESS :	102 SANDAKAN ROAD, REVESBY HEIGHTS, NSW 2122
PROJECT NO. :	STW097- 2024
DRAWING TITLE :	STORMWATER DESIGN PLANS
DRAWING NO. :	STW005
ISSUE DATE :	16/05/2024

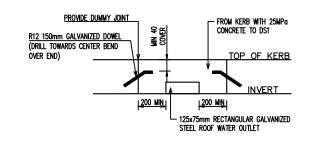












FRONT VIEW SECTION
NOT TO SCALE

NOTES FOR KERB CONNECTION

- . ENSURE THAT ALL CONNECTIONS ARE WATER TIGHT.
- FOR TRAFFICABLE AREA SUCH AS DRIVEWAY, USE RECTANGULAR GALVANIZED STEEL ROOF WATER OUTLET FOR FULL LENGTH, EG. BOUNDARY TO KERB.
- 3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

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

		REVISIONS	APPROVED BY		
REV.	DATE	DESCRIPTION	D.P.ENG.	DFT.	ALI AL-OBAIDI
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PROJECT ADDRESS :	102 SANDAKAN ROAD, REVESBY HEIGHTS, NSW 2122
PROJECT NO. :	STW097- 2024
DRAWING TITLE :	STORMWATER DETAILS AND NOTES
DRAWING NO. :	STW006
ISSUE DATE :	16/05/2024