#### SCHEDULE OF DRAWING SHEET NUMBER DESCRIPTION **COVER SHEET & NOTES C1** DRAINAGE PLAN C2 RWT DETAILS G STORMWATER DETAILS (4 TRANSPIRATION BED DETAILS C5

## **LOCATION MAP**





- DOWNSTREAM OF A STOCKPILE TO RETARD SILT LADEN RUNOFF
- THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES SUCH THAT MORE THAN 60% OF THEIR CAPACITY IS LOST. ALL THE SILT IS TO BE PLACED OUTSIDE THE LIMIT OF WORKS. THE PERIOD FOR MAINTAINING THESE DEVICES SHALL BE AT LEAST UNTIL ALL DRISTURBED AREAS ARE REVEGETATED AND FURTHER AS MAY BE DIRECTED BY SUPERINTENDENT. OR COUNCIL
- VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING CONSTRUCTION CONFINING ACCESS WHERE POSSIBLE TO NOMINATED STABILISED ACCESS POINTS
- THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL BY REGULAR WETTING DOWN DISTURBED
- 7. ALL DRAINAGE PIPE INLETS TO BE CAPPED UNTIL
  - DOWNPIPES CONNECTED
  - PITS CONSTRUCTED AND PROTECTED WITH SILT BARRIER

#### MINIMUM PIPE COVER NOTES:

<u>LOCATION</u>	MINIMUM COVER						
NO SUBJECT TO VEHICLE LOADING	100mm SINGLE RESIDENTIAL						
SUBJECT TO VEHICLE LOADING	450mm WHERE NOT IN A ROAD						
UNDER A SEALED 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

- 150 mm REINFORCED CONCRETE WHERE SUBJECT TO HEAVY VEHICLE TRAFFIC
- 75 mm thickness of Brick or 100 mm of concrete paving where subject to light vehicle traffic; or
- 50mm THICK BRICK OR CONCRETE PAVING WHERE NOT SUBJECT TO VEHICLE TRAFFIC

#### **SURFACE STORMWATER PIT NOTES:**

PIT DEPTH (mm)	MINIMUM PIT SIZE (mm)
UP TO 600 mm	450 x 450
FROM 600mm TO LESS THAN 900mm	600 x 600
FROM 900mm	900 x 900

ALL BASEMENT PIT TO BE FITTED WITH HEAVY DUTY CLASS C GRATE & FRAME

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### PRESSURE PUMP ELECTRICAL CONNECTION TO BE CARRIED OUT BY A LICENSED ELECTRICIAN ONLY ROOF RUN-OFF IS TO BE DIRECTED TO THE RAINWATER TANK. SURFACE WATER INLETS ARE NOT BE

REFERENCE COORDINATION DRAWING

- PIPE MATERIALS FOR RAINWATER SUPPLY PLUMBING ARE TO BE APPROVED MATERIALS TO AS/NZE3500 PART 1 SECTION 2 AND TO BE CLEARLY AND PERMANENTLY IDENTIFIED AS 'RAINWATER'. THIS MAY BE ACHIEVED FOR BELOW GROUND PIPES USING IDENTIFICATION TAPE (MADE IN ACCORDANCE WITH AS2648) OR FOR ABOVE FROUND PIPES BY USING ADHESIVE PIPE MARKERS (MAKE IN ACCORDANCE WITH AS1345)
- EVERY RAINWATER SUPPLY OUTLET POINT AND THE RAINWATER TANK ARE TO BE LABELED 'RAINWATER' ON A METALLIC SIGN IN ACCORDANCE WITH AS1316\9
- ALL INLETS AND OUTLETS TO THE RAINWATER TANK ARE TO HAVE SUITABLE MEASURES PROVIDED TO

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NASTASI & ASSOCIATES
NSULTING CIVIL & STRUCTURAL ENGINE
B.E., M.I.E. AUST. CPENG NPER-3

APPROVED: HM 11.09.2024 S. MASTASI B.E, M.I.E, CpEng, Npor—3 11.09.2024

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B UPDATE ARCHITECTURAL PLAN

A ISSUED FOR REVIEW

**GENERAL NOTES:** 

IMMEDIATELY FOR VERIFICATION.

STORMWATER CONSTRUCTION NOTES:

REMOVED UNTIL PERMIT IS OBTAINED

MAKE SMOOTH JUNCTION WITH ALL EXISTING WORK

THIS WAY REQUIRE PROVISION OF:

2.2. BACKFLOW PREVENTION DEVICE

UNLESS APPROVED BY NASTASI & ASSOCIATES ENGINEERS.

THE MINIMUM GRADIENT OF STORMWATER DRAINS SHALL BE 1%, UNLESS NOTED OTHERWISE

COUNCIL'S TREE PRESERVATION ORDER IS TO BE STRICTLY ADHERED TO . NO TREES SHALL BE

ALL PITS TO BE BENCHED AND STREAMLINED. PROVIDE STEP IRONS FOR ALL PITS OVER 1.2m DEEP

VEHICULAR ACCESS AND ALL SERVICES TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES

SERVICES SHOWN ON THESE PLANS HAVE BEEN LOCATED FROM INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND FIELD INVESTIGATIONS AND ARE NOT GUARANTEED COMPLETE NOR

CORRECT. IT IS THE CLIENT & CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL PRIOR TO CONSTRUCTION ANY VARIATION TO THE WORKS AS SHOWN ON THE APPROVED DRAWINGS ARE TO BE CONFIRMED BY NASTASI & ASSOCIATES PRIOR TO THEIR COMMENCEMENT

RAINWATER SUPPLY PLUMBING TO BE CONNECTED TO OUTLETS WHERE REQUIRED BY BASIX CERTIFICATE

TOWN WATER CONNECTION TO RAINWATER TANK TO THE SATISFACTION OF THE REGULATORY AUTHORITY.

NO DIRECT CONNECTION BETWEEN TOWN WATER SUPPLY AND THE RAINWATER SUPPLY

AN APPROVED STOP VALVE AND/OR PRESSURE LIMITING VALVE AT THE RAINWATER TANK

INLET TO TANK IN ORDER TO ACHIEVE THE TOP-UP INDICATED ON THE TYPICAL DETAIL

AS/NZS3500.1 NATIONAL PLUMBING AND DRAINAGE CODE

PROVIDE AT LEAST ONE EXTERNAL HOSE COCK ON THE TOWN WATER SUPPLY FOR FIRE FIGHTING

ALL PLUMBING WORKS ARE TO BE CARRIED OUT BY LICENSED PLUMBERS IN ACCORDANCE WITH

PROVIDE APPROPRIATE FLOAT VALVES AND/OR SOLENOID VALVES TO CONTROL TOWN WATER SUPPLY

ALL PITS IN AN EASEMENT OR TRAFFICABLE AREA ARE TO BE PRE-CAST OR CASTIN-SITU OR

5. PUBLIC UTILITY SERVICES ARE TO BE ADJUSTED AS NECESSARY AT THE CLIENT'S EXPENSE

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DENOTED SURFACE DRAINAGE GRATES

DENOTED CLEANING EYE

DENOTES GRATED DRAIN

DENOTES ABSORPTION TRENCH

**DENOTES NON RETURN VALVE** 

DENOTES OVERLAND FLOW PATH

REDUCED LEVEL/SURFACE LEVEL

PROPOSED FINISH SURFACE LEVEL

DENOTED \$100mm PVC (SEWER GRADE) @1%

DENOTED Ø100mm PVC (SEWER GRADE) @1% MIN. FALL U.N.O

DENOTED \$150mm PVC (SEWER GRADE) @1%

DENOTED #225mm PVC (SEWER GRADE) @0.5%

MIN. FALL U.N.O FOR RAINWATER RE-USE

INVERT LEVEL

TOP OF KERB

MIN. FALL U.N.O

MIN. FALL U.N.O

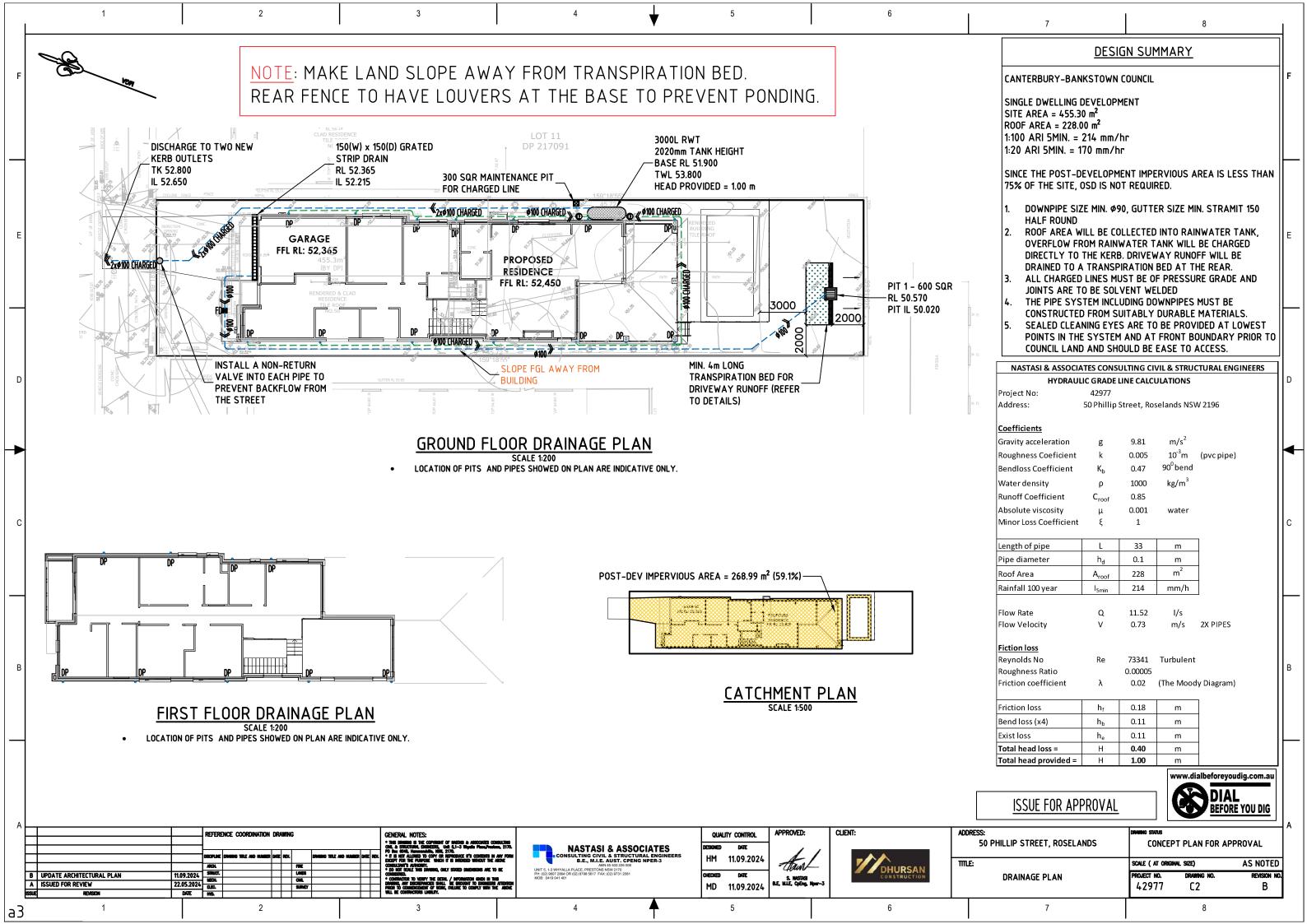
DENOTE AGG PIPE

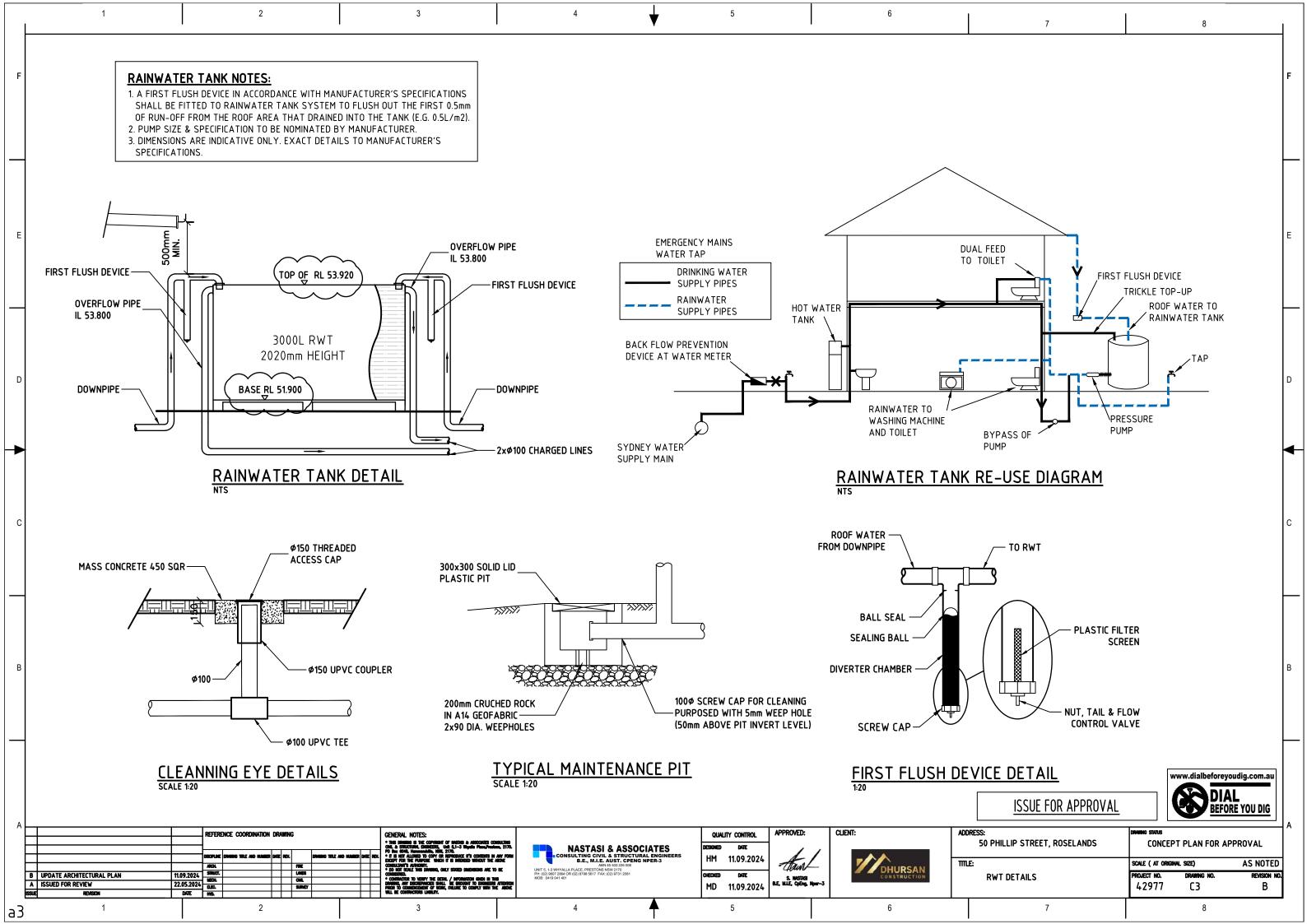
DENOTE RAINWATER TANK

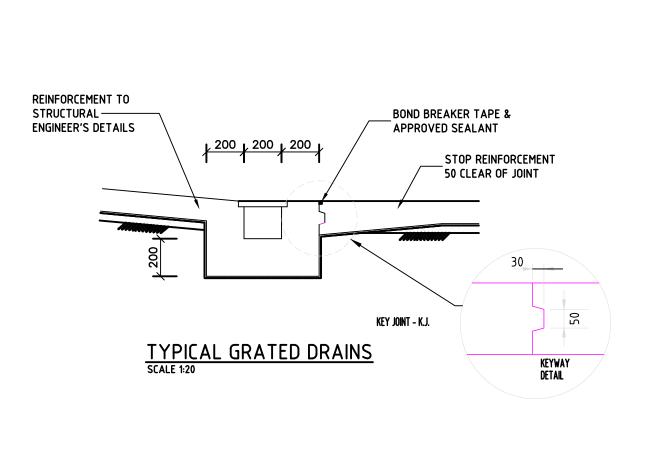
STORMWATER PIT - SOLID COVER

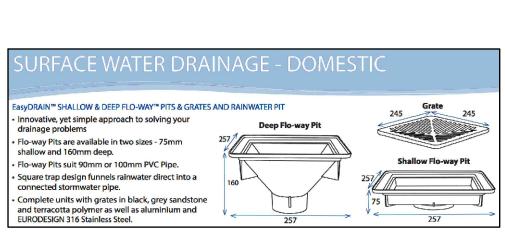
STORMWATER PIT - GRATED INLET

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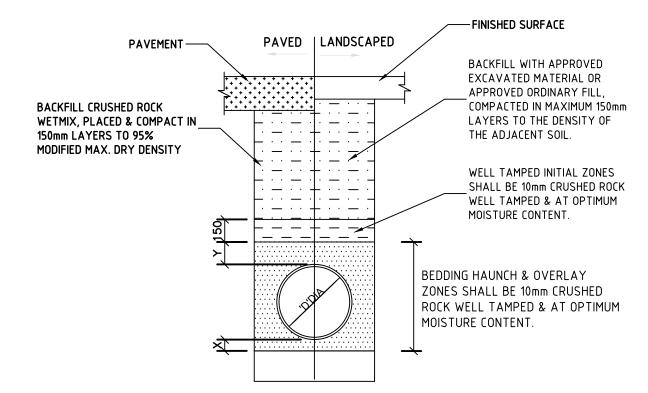








TYPICAL SURFACE DRAINS (FD)



NOTE

1 REFER TO PIPE LAYING SPECIFICATIONS FOR DETAILS.

PIPE DIA 'D'	W	X MIN.	Y				
100-150	300	75	75				
225-300	600	75	75				

<u>UPVC PIPE</u>

# $\frac{\mathsf{TYPICAL}\;\mathsf{PIPE}\;\mathsf{LAYING}\;\mathsf{DETAIL}}{\mathsf{NTS}}$





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