PROPOSED RESIDENCE AT LOT 5, 152 BANTRY BAY ROAD, FRENCHS FORREST

GENERAL

- These drawings shall be read in conjunction with all architectural and other consultants drawings and specifications and with such other written instructions and sketches as may be issued during the course of the Contract. Any discrepancies shall be referred to the Superintendent before proceeding with any related works. Construction from these drawings, and their associated consultant's drawings is not to commence until approved by the Local Authorities.

- During construction the structure shall be maintained in a stable condition and no part shall be overstressec Temporary bracing shall be provided by the builder/subcontractor to keep the works and excavations stable at all times.

- G7 Any substitution of materials shall be approved by the Engineer and included in any tender.
- Subsoil drainage, comprising 100 agriculture pipe in geo-stocking to be placed as shown and as may be directed by the superintendent. Subsoil drainage shall be constructed in accordance with the relevant local authority construction specification.
- The structural components detailed on these drawings have been designed in accordance with the releva Standards Australia codes and Local Government Ordinances for the following loadings. Refer to the Architectural drawings for proposed floor usage. Refer to drawings for live loads and superimposed dead loads.

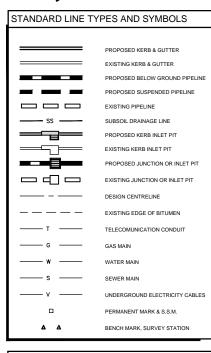
DRAINAGE NOTES

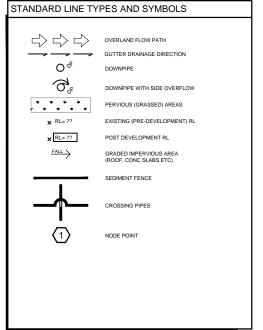
- All pipes within the property to be a minimum of 100 dia upvc @ 1% minimum grade, uno.
- D3 All pits within the property are to be fitted with "weldlok" or approved equivalent grates:
 Light duty for landscaped areas
 Heavy duty where subjected to vehicular traffic

- D6 Any pipes beneath relevant local authority road to be rubber ring jointed RCP, uno
- D7 All pits in roadways are to be fitted with heavy duty grates with locking bolts and continuous hinge
- D8 Provide step irons to stormwater pits greater than 1200 in depth.
- D10 Where a high early discharge (hed) pit is provided all pipes are to be connected to the hed pit, uno.
- D11 Down pipes shall be a minimum of dn100 sw grade upvc or 100 x100 colorbond/zincalume steel, uno.
- D13 Eaves gutters shall be a minimum of 125 wide x 100 deep (or of equivalent area) colorbond or zincalume
- D14 Subsoil drainage shall be provided to all retaining walls & embankments, with the lines feeding into the stormwater drainage system, uno.

EROSION AND SEDIMENT CONTROL NOTES

- The contractor shall implement all soil erosion and sediment control measures as necessary and to the satisfaction of the relevant local authority prior to the commencement of and during construction. No disturbance to the site shall be permitted other than in the immediate area of the works and no material shall be removed from the site without the relevant local authority approval. All erosion and sediment control devices to be installed and maintained in accordance with standards outlined in nsw department of housing's 'managing urban stormwater soils and constructions'.
- Place straw bales length wise in a row as parallel as possible to the site contours, uno. Bale ends to be tightly butted. Bales are to be placed so that straws are parallel to the row. Bales are to be placed 1.5m to 2m downslope from the toe of the disturbed batter, uno.
- Stabalised entry/exit points to remain intact until finished driveway is complete. Construction of entry/exit points to be maintained and repaired as required so that it's function is not compromised. Construction of entry
- downpipes connected
 pits constructed and protected with silt barrier
- Provide and maintain silt traps around all surface inlet pits until catchment is revegetated or paved.
- The contractor shall implement dust control by regularly wetting down (but not saturating) disturbed area.
- Topsoil shall be stripped and stockpiled outside hazard areas such as drainage lines. This topsoil shall be respread later on areas to be revegetated and stabilised only, (i.e. all footpaths, batters, site regarding area basins and catchdrains). Topsoil shall not be respread on any other areas unless specifically instructed by the superintendent. If they are to remain for longer than one month stockpiles shall be protected from erosic by covering them with a mulch and hydroseeding and, if necessary, by locating banks or drains downstream of a stockpile to retard sitt laden runoff.
- E11 The contractor shall grass seed all disturbed areas with an approved mix as soon as practicable after completion of earthworks and regrading.





AHD AG	Australian height datum	SS SU	Stainless steel
ARI	Ag-pipe (Sub soil drainage) Average recurrence interval	TW	Box gutter sump Top of wall
BG	Box Gutter	TWI	Top or wall Top water level
BWI	Bottom water level	U/S	Underside of slab
CI	Cover level	VG	Vally gutter
CO	Clean out inspection opening	UNO	Unless noted otherwise
DCP	Discharge control pit	UNU	Offiess floted offierwise
DP	Down pipe		
DRP	Dropper pipe		
EBG	Existing box gutter		
FDP	Existing down pipe		
EEG	Existing down pipe Existing eaves gutter		
FG	Eaves gutter		
FRC	Fiber reinforced concrete		
FW	Floor waste		
GD	Grated drain		
GSIP	Grated surface inlet pit		
HED	High early discharge		
HP	High point of gutter		
IL	Invert level		
IO	Inspection opening		
O/F	Overflow		
OSD	On-site detention		
PSD	Permissible site discharge		
P1	Pipe 1		
RCP	Reinforced concrete pipe		
RHS	Rectangular hollow section		
RL	Reduced level		
RRJ	Rubber ring joint		
RRT	Rainwater re-use tank		
RWH	Rain water head		
RWO	Rain water outlet		
SLAP	Sealed lid access pit		
SP	Spreader pipe		
SPR	Spreader		

DISCHARGE CONTROL PIT (DCP)	FREQUENCY	RESPONSIBILITY	PROCEDURE
Inspect flap valve and remove any blockage.	Six monthly	Owner	Remove grate. Ensure flap valve moves freely and remove any blockages or debris.
Inspect screen and clean.	Six monthly	Owner	Revove grate and screen if required and clean it.
Inspect & remove any blockage of orifice.	Six monthly	Owner	Remove grate & screen to inspect orifice. see plan for location of dcp.
Inspect dcp sump & remove any sediment-sludge.	Six monthly	Owner	Remove grate and screen. Remove sediment/sludge build-up and check orifice and flap valve clear.
Inspect grate for damage or blockage.	Six monthly	Owner	Check both sides of grate for corrosion, (especially corners and welds) damage or blockage.
Inspect return pipe from storage and return any blockage.	Six monthly	Owner	Remove grate and screen. ventilate underground storage if present. open flap valve and remove any blockages in return line. Check for sludge/debris on upstream side of return line.
Inspect outlet pipe and remove any blockage.	Six monthly	Maintenance Contractor	Remove grate and screen. ventilate underground storage if present. Check orifice and remove any blockages in outlet pipe. Flush outlet pipe to confirm it drains freely. Check for sludge/debris on upstream side of return line.
Check fixing of step irons is secure.	Six monthly	Maintenance Contractor	Remove grate and ensure fixings secure prior to placing weight on step iron.
Inspect overflow weir & remove any blockage.	Six monthly	Maintenance Contractor	Remove grate and open cover to ventilate underground storage if present. ensure weir clear of blockages.
Empty basket at overflow weir (if present).	Six monthly	Maintenance Contractor	Remove grate and ventilate underground storage chamber if present. Empty basket, check fixings secure and not corroded.
Check attachment of orifice plate to wall of pit (gaps less than 5 mm).	Annually	Maintenance Contractor	Remove grate and screen. ensure plate mounted securely, tighten fixings if required. seal gaps as required.
Check attachment of screen to wall of pit.	Annually	Maintenance Contractor	Remove grate and screen. ensure screen fixings secure. repair as required.
Check screen for corrosion.	Annually	Maintenance Contractor	Remove grate and examine screen for rust or corrosion, especially at corners or welds.
Check attachment of flap valve to wall of .	Annually	Maintenance Contractor	Remove grate. Ensure fixings of valve are secure.
Check flap valve seals against wall of pit.	Annually	Maintenance Contractor	Remove grate. fill pit with water and check that flap seals against side of pit with minimal leakage.
Check any hinges of flap valve move freely.	Annually	Maintenance Contractor	Remove grate. Test valve hinge by moving flap to full extent.
Inspect dcp walls (internal and external, if appropriate) for cracks or spalling.	Annually	Maintenance Contractor	Remove grate to inspect internal walls. Repair as required. Clear vegetation from external walls if necessary and repair as required.
Check step irons for corrosion.	Annually	Maintenance Contractor	Remove grate. Examine step irons and repair any corrosion or damage.
Check orifice diameter correct and retains sharp edge.	Five yearly	Maintenance Contractor	Compare diameter to design (see work-as- executed) and ensure edge is not pitted or damaged.
STORAGE			
Inspect & remove any blockage of orifice.	Six monthly	Owner	Remove grate and screen. remove sediment/sludge build-up.
Check orifice diameter correct and retains sharp edge.	Six monthly	Owner	Remove blockages from grate and check if pit blocked.
Inspect screen and clean.	Six monthly	Owner	Remove debris and floatable material likely to be carried to grates.
Check attachment of orifice plate to wall of pit (gaps less than 5 mm).	Annually	Maintenance	Remove grate to inspect internal walls. repair as required. clear vegetation from external walls if necessary and repair as required.
Check attachment of screen to wall of pit.	Five yearly	Maintenance Contractor	Compare actual storage available with work-as executed plans. If volume loss is greater than 5%, arrange for reconstruction to replace the volume lost. Council to be notified of the proposal.
Check attachment of screen to wall of pit.	Five yearly	Maintenance Contractor	Check along drainage lines and at pits for subsidence likely to indicate leakages.

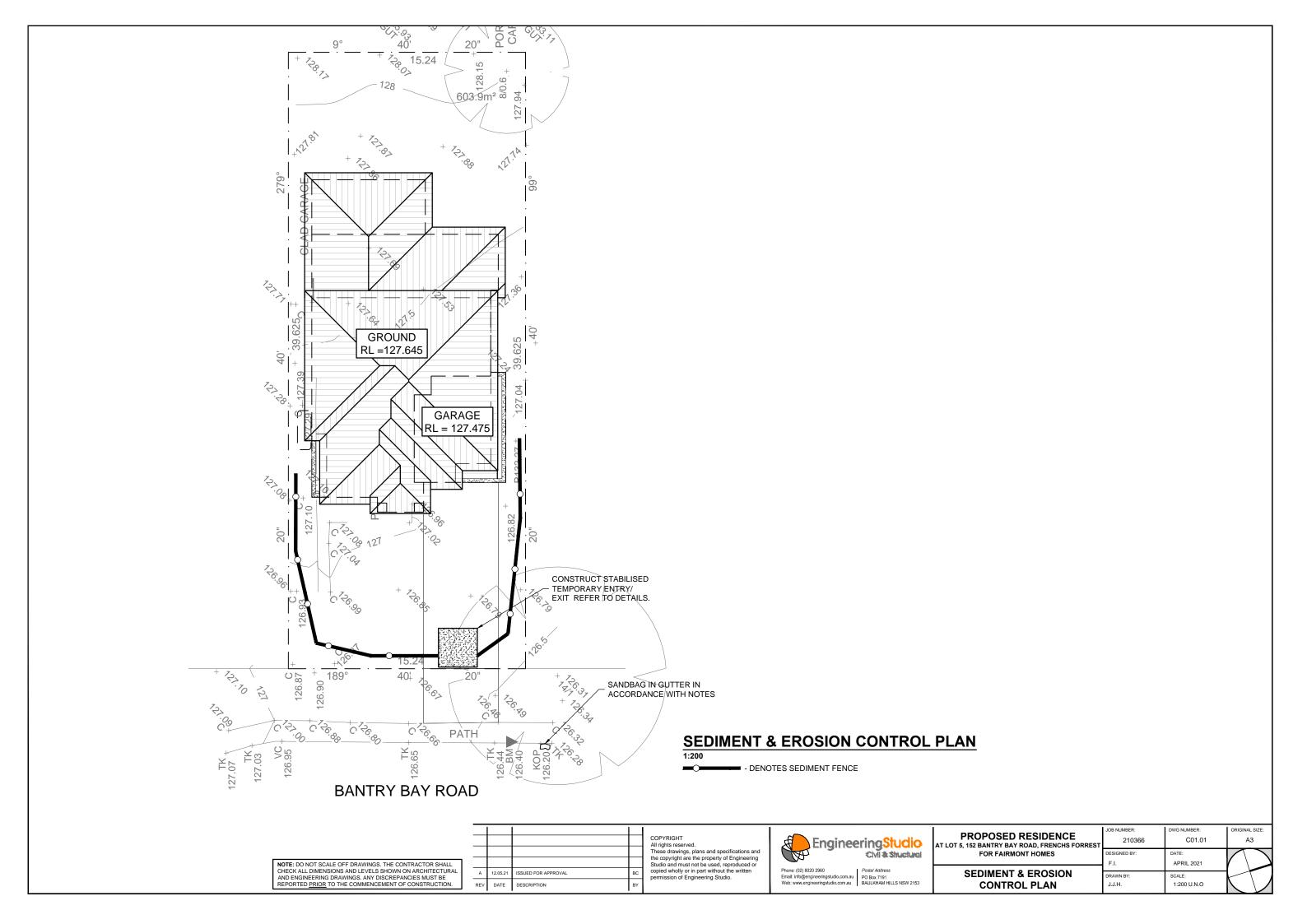
nonthly Owner		vner	Remove blockages from grate and check if pit blocked.				
onthly	Ow	vner	Remove debris and floatable material likely to be carried to grates.				
ally	Ma	aintenance	Remove grate to inspect internal walls. if necessary and repair as required.	repair	as required. clear vegetation from external walls		
yearly		nintenance entractor	Compare actual storage available with 5%, arrange for reconstruction to repla proposal.	work-a: ce the v	s executed plans. If volume loss is greater than volume lost. Council to be notified of the		
yearly		nintenance Intractor	Check along drainage lines and at pits	Check along drainage lines and at pits for subsidence likely to indicate leakages.			
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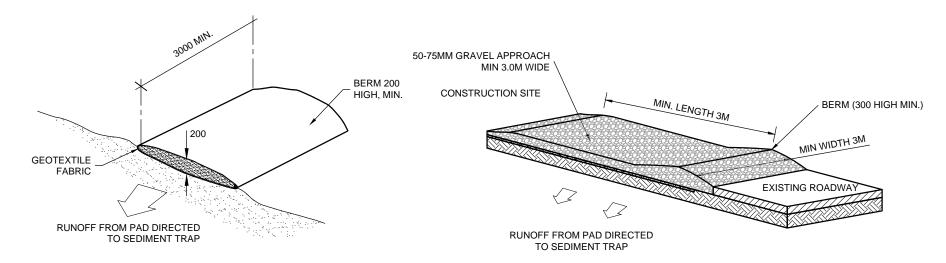
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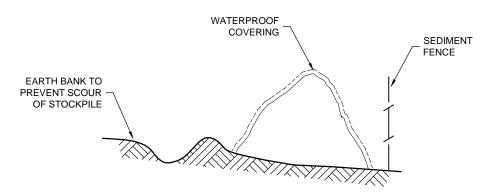
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.com.au	PO Box 7191
com.au	BAULKHAM HILLS NSW 2153

PROPOSED RESIDENCE DT 5, 152 BANTRY BAY ROAD, FRENCHS FORREST	JOB NUMBER: 210366	DWG NUMBER: C00.01	ORIGINAL SIZE:
FOR FAIRMONT HOMES	DESIGNED BY: F.I.	DATE: APRIL 2021	
GENERAL NOTES	DRAWN BY: J.J.H.	SCALE: N.T.S	

NOTE: DO NOT SCALE OFF DRAWINGS, THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND LEVELS SHOWN ON ARCHITECTURA







OPTION 1 - EXISTING DRIVEWAY TO REMAIN

OPTION 2 - DRIVEWAY TO BE RENEWED

VEHICLE ACCESS TO SITE

NTS

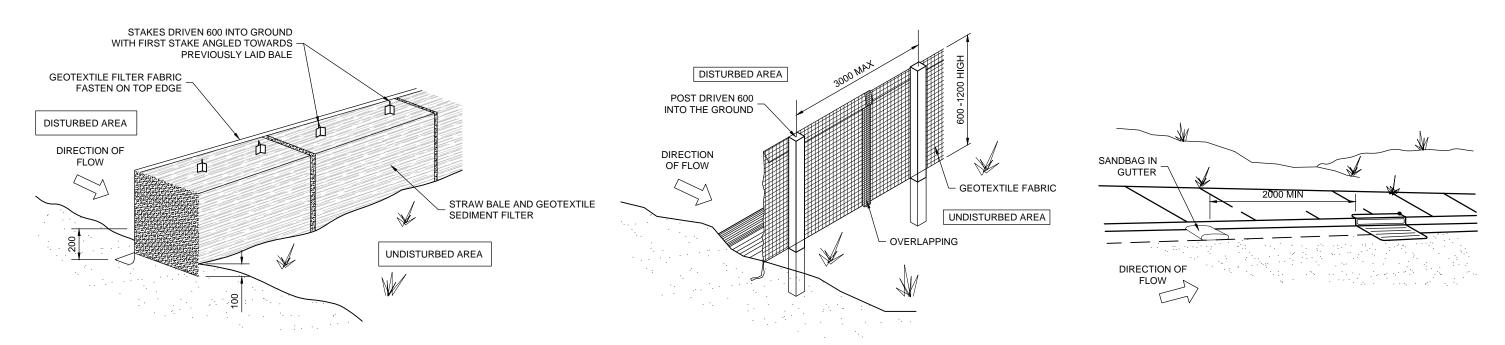
VEHICLE ACCESS TO THE BUILDING SITE SHOULD BE RESTRICTED TO A SINGLE POINT SO AS TO REDUCE THE AMOUNT OF SOIL DEPOSITED ON THE STREET PAVEMENT.

BUILDING MATERIAL STOCKPILES

NTS

ALL STOCKPILES OF BUILDING MATERIAL SUCH AS SAND AND SOIL MUST BE PROTECTED TO PREVENT SCOUR AND EROSION.

THEY SHOULD NEVER BE PLACED IN THE STREET GUTTER WHERE THEY WILL WASH AWAY WITH THE FIRST RAINSTORM.



STRAW BALE DETAIL

SEDIMENT AND EROSION FENCE DETAIL

SANDBAG KERB SEDIMENT TRAP

NTS

IN CERTAIN CIRCUMSTANCES EXTRA SEDIMENT TRAPPING MAY BE NEEDED IN THE STREET GUTTER.

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AND ENGINEERING DRAWINGS. ANY DISCREPANCIES MUST BE
REPORTED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

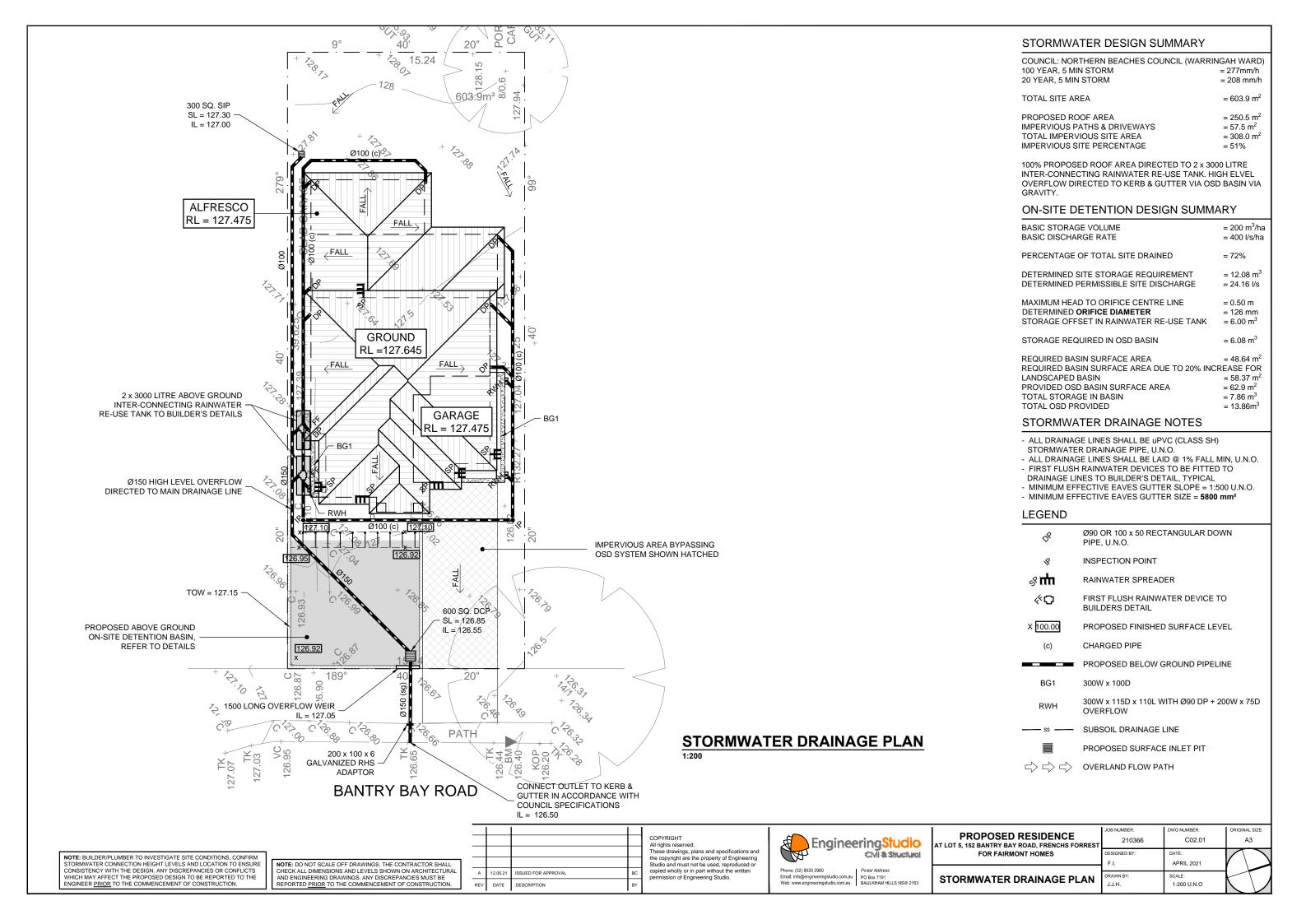
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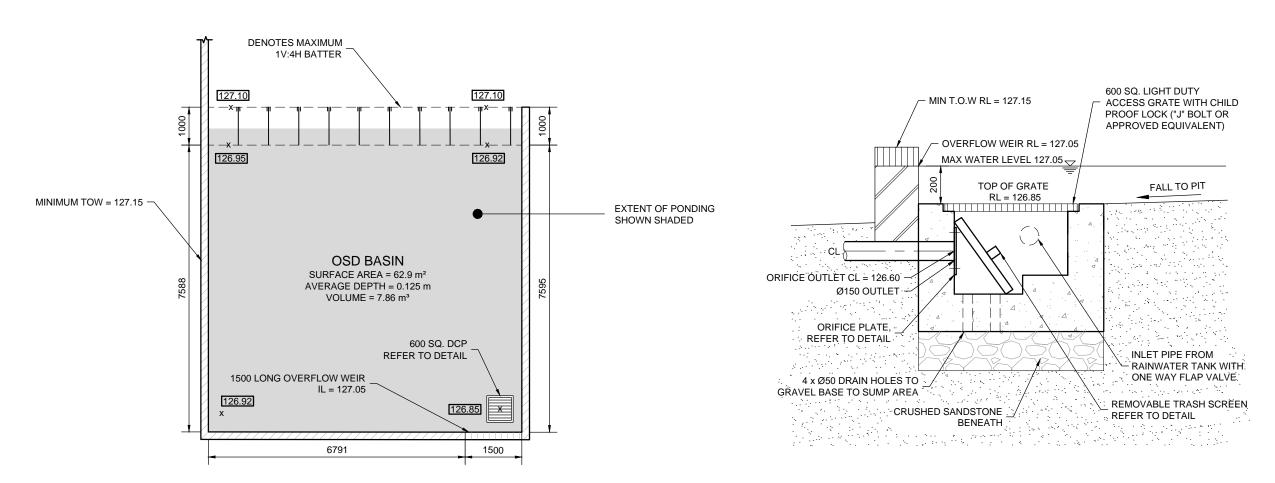
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PROPOSED RESIDENCE AT LOT 5, 152 BANTRY BAY ROAD, FRENCHS FORREST	
FOR FAIRMONT HOMES	DE
	F
SEDIMENT & EROSION	DF
CONTROL DETAILS	J

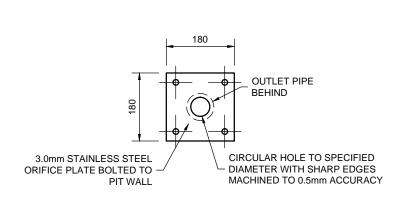
RREST	JOB NUMBER: 210366	DWG NUMBER: C01.02	ORIGINAL SIZE:
	DESIGNED BY: F.I.	DATE: APRIL 2021	
	DRAWN BY: J.J.H.	SCALE: 1:20 U.N.O	





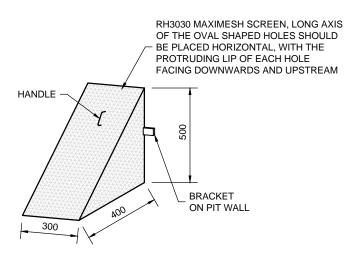
ABOVE GROUND BASIN LAYOUT PLAN

DISCHARGE CONTROL PIT (DCP)

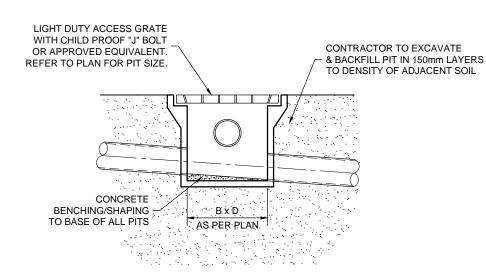


ORIFICE PLATE DETAIL

1:10 REFER TO ON-SITE DETENTION SUMMARY FOR ORIFICE DIAMETER



STANDARD TRASH SCREEN



TYPICAL SURFACE INLET PIT DETAIL

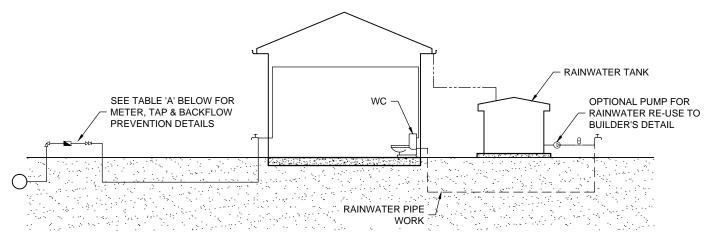
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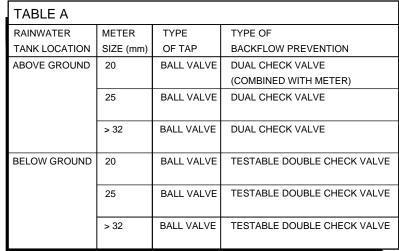
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PROPOSED RESIDENCE AT LOT 5, 152 BANTRY BAY ROAD, FRENCHS FORREST	JOB NUMBER: 210366	DWG NUMBER: C02.02	ORIGINAL SIZE:
FOR FAIRMONT HOMES	DESIGNED BY: F.I.	DATE: APRIL 2021	
STORMWATER DETAILS SHEET 1	DRAWN BY: J.J.H.	SCALE: 1:20 U.N.O	





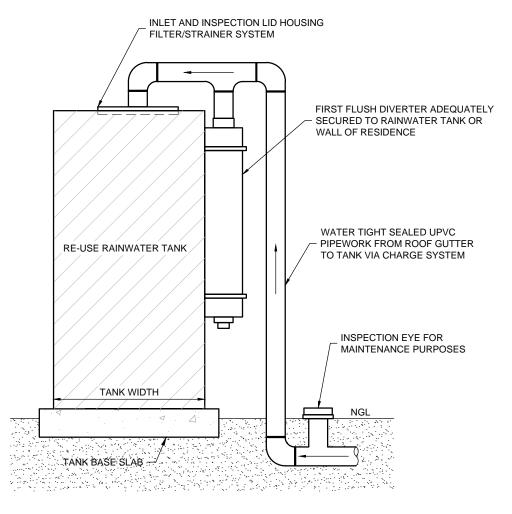
LEGEND

- PRESSURE VESSEL MFTFR
- BALL VALVE RIGHT ANGLE TYPE DUAL CHECK VALVE
- PUMP

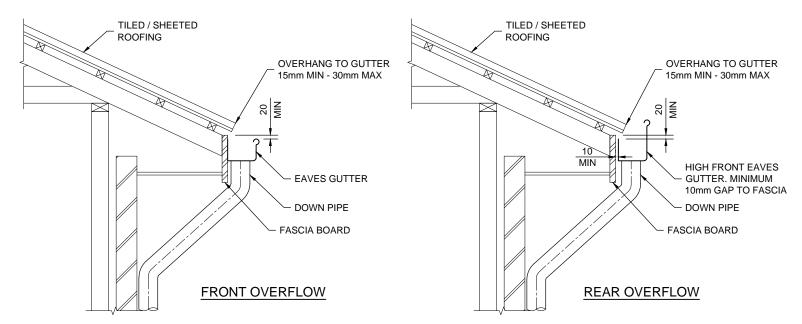
DUAL DRINKING WATER & RAINWATER SUPPLY DIAGRAM

- **GARDEN TAP**
- DRINKING WATER SUPPLY PIPES RAINWATER SUPPLY PIPES
- --- DOWN PIPES

- DIAGRAM NOTES:
- DRAWING TO BE READ IN CONJUNCTION WITH SYDNEY WATER PLUMBING REQUIREMENTS
- 2 FOR TANKS 10,000 LITRES OR LESS, COUNCIL DEVELOPMENT CONSENT IS NOT REQUIRED, IF THEIR CONDITIONS FOR INSTALLATION ARE FOLLOWED.
- 3 FOR TANKS GREATER THAN 10,000 LITRES COUNCIL DEVELOPMENT CONSENT IS GENERALLY REQUIRED.
- 4 FOR TANKS MORE THAN 10,000 LITRES APPROVAL IS REQUIRED
- FOR BUILDING OVER SEWERS. 5 SYDNEY WATER'S APPROVAL IS REQUIRED FOR ANY TOP UP FROM DRINKING WATER SUPPLY, REGARDLESS OF TANK SIZE.
- NO DIRECT CONNECTION IS ALLOWED BETWEEN THE DRINKING WATER SUPPLY AND THE RAINWATER TANK SUPPLY. RAINWATER PIPEWORK IS SHOWN ON THE DIAGRAM AS SUPPLYING INTERNAL AND EXTERNAL RAINWATER USES.
- CUSTOMERS MAY WANT ONE OR THE OTHER. 7 ANY DESIGNED ACCESS LID INTO RAINWATER RE-USE TANK IS TO HAVE A LOCKABLE LID. IF THE LID IS DESIGNED TO BE
- ACCESSED BY A MAINTENANCE PERSON, IT MUST BE AT LEAST 600 mm x 900 mm IN SIZE.



TYPICAL FIRST FLUSH DETAIL



PARAPET WALL WALL PENETRATION TO MATCH BOX GUTTER SIZE 200 x 75 OVERFLOW DUCT. TOP OF OVERFLOW TO BE ALIGNED WITH TOP OF BOX **ROOF SHEETING** REFER TO LEGEND FOR RAINWATER HEAD DEPTH LOCALISED SUMP AT RAINWATER HEAD LOCATIONS (BOX GUTTER RAINWATER HEAD, REFER WIDTH x 400 LONG x 20 DEEP) TO LEGEND FOR SIZING DOWNPIPE (DIA. AS PER PLAN)

RAINWATER HEAD SECTION

W * = WIDTH OF BOX GUTTER AS PER PLAN NOTE.

TYPICAL EAVES GUTTER DETAIL

CHECK ALL DIMENSIONS AND LEVELS SHOWN ON ARCHITECTURAL AND ENGINEERING DRAWINGS. ANY DISCREPANCIES MUST BE	
AND ENGINEERING DRAWINGS. ANY DISCREPANCIES MUST BE	NOTE: DO NOT SCALE OFF DRAWINGS. THE CONTRACTOR SHALL
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PROPOSED RESIDENCE LOT 5, 152 BANTRY BAY ROAD, FRENCHS FORREST	ЈОВ NUMBER: 210366	DWG NUMBER: C02.03	ORIGINAL SIZE:
FOR FAIRMONT HOMES	DESIGNED BY: F.I.	DATE: APRIL 2021	
STORMWATER DETAILS SHEET 2	DRAWN BY: J.J.H.	SCALE: 1:20 U.N.O	