PROPOSED RESIDENCE AT 23 WAKEHURST PARKWAY, SEAFORTH

GENERA

- 31 These drawings shall be read in conjunction with all architectural and other consultants drawings and specifications and with such other written instructions and stetches 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.
- G2 All materials and workmanship shall be in accordance with the relevant and current Standards Australia codes and with the By-Laws and Ordinances of the relevant building authorities except where varied by the project specification.
- G3 All set out dimensions shall be obtained from Architect's and Engineer's details. All discrepancies shall be
- During construction the structure shall be maintained in a stable condition and no part shall be overstressed. Temporary bracing shall be provided by the builder/subcontractor to keep the works and excavations stable at all times
- G5 Unless noted otherwise levels are in metres and dimensions are in millimetres.
- The alignment and level of all services shown are approximate only. The contractor shall confirm the position and level of all services prior to commencement of construction. Any damage to services shall be rectified at the contractors expense.
- G7 Any substitution of materials shall be approved by the Engineer and included in any tender.
- G8 All services, or conduits for servicing shall be installed prior to commencement of pavement construction.
- G9 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.
- G10 The structural components detailed on these drawings have been designed in accordance with the relevant 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

DRAINAGE NOTES

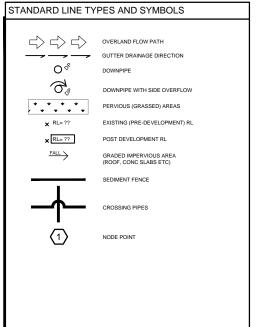
- All drainage levels to be confirmed on site, prior to any construction commencing
- D2 All pipes within the property to be a minimum of 100 dia upvc @ 1% minimum grade, uno.
- D3 All pits within the property are to be fitted with "weldlok" or approved equivalent grates:
 Light duty for landscaped areas
 Heavy duty where subjected to vehicular traffic
- D4 All pits within the property to be constructed as one of the following:
- Precast stormwater pits
 Cast insitu mass concrete
- Cement rendered 230mm brickwork subject to the relevant local authority construction specification.
- D5 Ensure all grates to pits are set below finished surface level within the property. Top of pit RL's are approximate only and may be varied subject to approval of the engineer. All invert levels are to be achieved
- 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.
- 9 Trench back fill in roadways shall comprise sharp, clean granular back fill in accordance with the releval local authority specification to non-trafficable areas to be compacted by rodding and tamping using a flablate vibrator.
- **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.
- D12 Colorbond or zincalume steel box gutters shall be a minimum of 450 wide x 150 deep.

 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

- E1 These notes are to be read in conjunction with erosion and sediment control details in this drawing se
- E2 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 new department of housing's "managing urban stormwater soils and constructions".
- E3 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.
- E4 Council approved filter fabric to be entrenched 150mm deep upsiope towards disturbed surface. Fabric to be a minimum SF2000 or better. Fix fabric to posts with wire less or as recomended with manufacturer's influence of the surface of the second posts with filter fabric overface in prevent sacroline.
- E5 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/exit point to be in accordance with the detail contained within this drawing set.
- E6 All drainage pipe inlets to be capped until:
 - downpipes connected - pits constructed and protected with silt barrier
- **E6** Provide and maintain silt traps around all surface inlet pits until catchment is revegetated or paved.
- 7 The contractor shall regularly maintain all erosion and sediment control devices and remove accumulated still from such devices such that more than 60% of their capacity is lost. All the still is to be placed outside the limit of works. The period for maintaining these devices shall be at least until all disturbed areas are revegetated and further as may be directed by the superintendent or council.
- E8 The contractor shall implement dust control by regularly wetting down (but not saturating) disturbed area.
- E9 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 erosi by covering them with a mulch and hydroseeding and, if necessary, by locating banks or drains downstrear of a stockpile to retard silt laden runoff.
- E10 Lay 300 wide minimum turf strip on 100 topsoil behind all kerb and gutter with 1000 long returns every 600
- E11 The contractor shall grass seed all disturbed areas with an approved mix as soon as practicable after completion of earthworks and regrading.
- E12 Revegetate all trenches immediately upon completion of backfilling.
- E13 When any devices are to be handed over to council they shall be in clean and stable condition

STANDARD LINE TYPES AND SYMBOLS		
	PROPOSED KERB & GUTTER	
	EXISTING KERB & GUTTER	
	PROPOSED BELOW GROUND PIPELINE	
	PROPOSED SUSPENDED PIPELINE	
	EXISTING PIPELINE	
	SUBSOIL DRAINAGE LINE	
	PROPOSED KERB INLET PIT	
	EXISTING KERB INLET PIT	
	PROPOSED JUNCTION OR INLET PIT	
	EXISTING JUNCTION OR INLET PIT	
	DESIGN CENTRELINE	
	EXISTING EDGE OF BITUMEN	
	TELECOMUNICATION CONDUIT	
	GAS MAIN	
	WATER MAIN	
	SEWER MAIN	
	UNDERGROUND ELECTRICITY CABLES	
	PERMANENT MARK & S.S.M.	
A A	BENCH MARK, SURVEY STATION	



AHD	Australian height datum	SS	Stainless steel
AG	Ag-pipe (Sub soil drainage)	SU	Box gutter sump
ARI	Average recurrence interval	TW	Top of wall
BG	Box Gutter	TWI	Top water level
BWL	Bottom water level	U/S	Underside of slab
CL	Cover level	VG	Vally gutter
CO	Clean out inspection opening	UNO	Unless noted otherwise
DCP	Discharge control pit		
DP	Down pipe		
DRP	Dropper pipe		
EBG	Existing box gutter		
EDP	Existing down pipe		
EEG	Existing eaves gutter		
EG	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		
10	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 SPR	Spreader pipe Spreader		

RECOMMENDED MAINTENANCE SCHEDULE				
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.	

NOTE: BUILDER/PLUMBER TO INVESTIGATE SITE CONDITIONS. CONFIRM
STORMWATER CONNECTION HEIGHT LEVELS AND LOCATION TO ENSURE
CONSISTENCY WITH THE DESIGN. ANY DISCREPANCIES OR CONFLICTS
WHICH MAY AFFECT THE PROPOSED DESIGN TO BE REPORTED TO THE
ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE

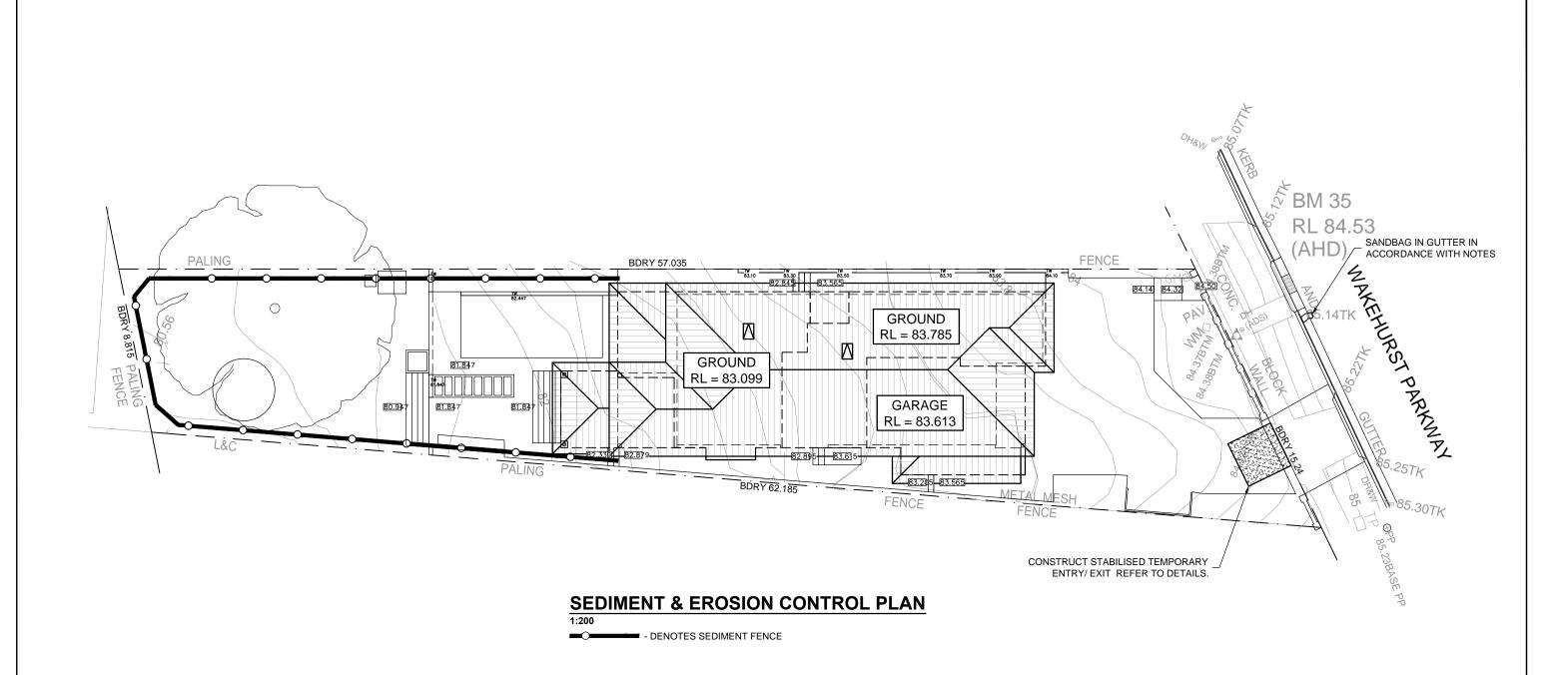
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	Е	24.08.22	RE-ISSUED FOR APPROVAL	O.G.	
	D	21.07.22	REVISED RAINWATER/DETENTION TANK SIZE	O.G.	
_	С	15.07.22	RE-ISSUED FOR APPROVAL	O.G.	
7	В	28.06.22	ISSUED FOR CO-ORDINATION ONLY	O.G.	ı
J	REV	DATE	DESCRIPTION	BY	

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PROPOSED RESIDENCE	JOB NUMBER: 220266	DWG NUMBER: C00.01	ORIGINAL SIZE:	
FOR FOWLER HOMES	DESIGNED BY: O.G.	DATE: MARCH 2022		
GENERAL NOTES	DRAWN BY: J.W.	SCALE:		



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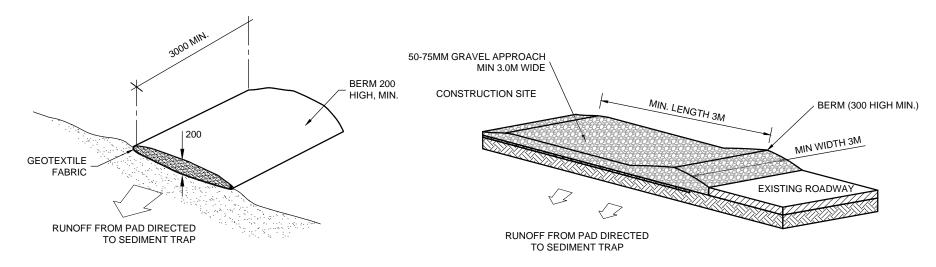
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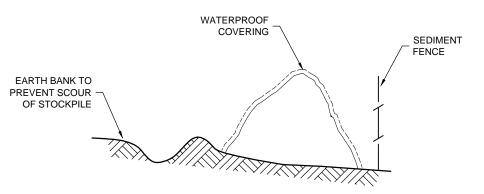


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PROPOSED RESIDENCE AT 23 WAKEHURST PARKWAY, SEAFORTH	JOB NUMBER: 220266	DWG NUMBER: C01.01	ORIGINAL SIZE	
FOR FOWLER HOMES	DESIGNED BY: O.G.	DATE: MARCH 2022		
SEDIMENT & EROSION CONTROL PLAN	DRAWN BY: J.W.	SCALE:		





OPTION 1 - EXISTING DRIVEWAY TO REMAIN

OPTION 2 - DRIVEWAY TO BE RENEWED

VEHICLE ACCESS TO SITE

NTS

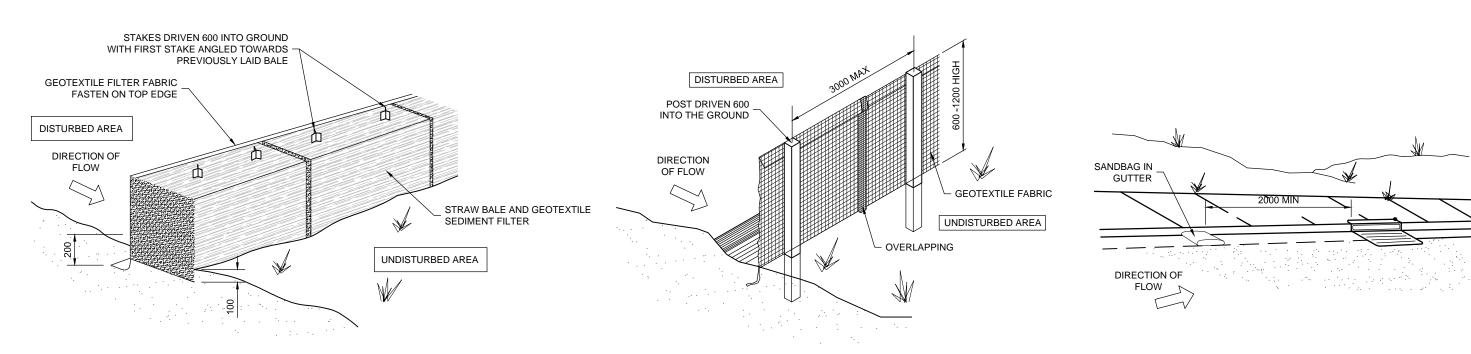
VEHICLE ACCESS TO THE BUILDING SITE SHOULD BE RESTRICTED TO A SINGLE POINT SO AS TO REDUCE THE AMOUNT OF SOIL DEPOSITED ON THE STREET PAVEMENT.

BUILDING MATERIAL STOCKPILES

N.T.S

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

АЗ

N.T.S

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

NOTE: BUILDER/PLUMBER TO INVESTIGATE SITE CONDITIONS, CONFIRM STORMWATER CONNECTION HEIGHT LEVELS AND LOCATION TO ENSURE CONSISTENCY WITH THE DESIGN. ANY DISCREPANCIES OR CONFLICTS WHICH MAY AFFECT THE PROPOSED DESIGN TO BE REPORTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

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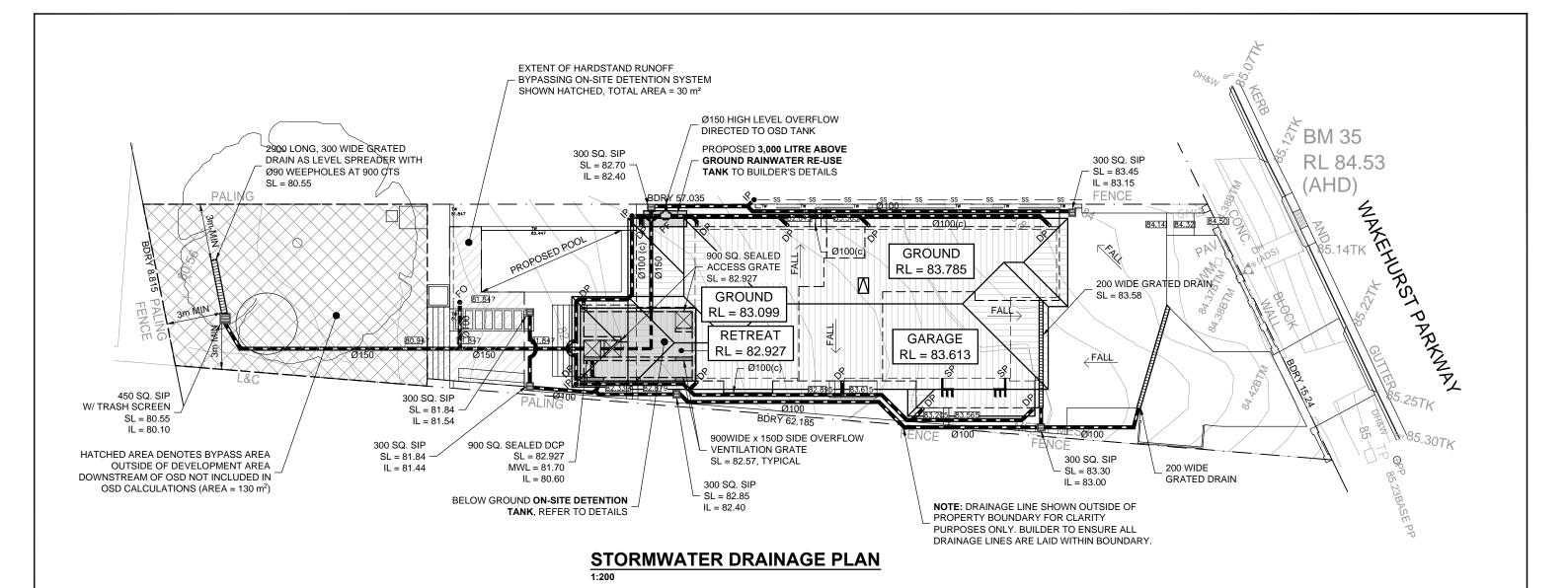
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	D	21.07.22	REVISED RAINWATER/DETENTION TANK SIZE	O.G.	
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	F	07.10.22	REVISED ON-SITE DETENTION TANK LAYOUT	O.G.	Ī

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PROPOSED RESIDENCE AT 23 WAKEHURST PARKWAY, SEAFORTH	JOB NUMBER: DWG NUMBER: 220266 C01.02	
FOR FOWLER HOMES	DESIGNED BY: O.G.	DATE: MARCH 2022
SEDIMENT & EROSION CONTROL DETAILS	DRAWN BY: J.W.	SCALE:



STORMWATER DESIGN SUMMARY

COUNCIL: NORTHERN BEACHES COUNCIL (MANLY WARD) 100 YEAR, 5 MIN STORM = 272 mm/h20 YEAR, 5 MIN STORM $= 206 \, \text{mm/h}$ TOTAL SITE AREA $= 654.30 \text{ m}^2$ PROPOSED ROOF AREA $= 236.06 \text{ m}^2$ IMPERVIOUS PATHS & DRIVEWAYS $= 93.11 \text{ m}^2$ TOTAL IMPERVIOUS SITE AREA = 329.17m²IMPERVIOUS SITE PERCENTAGE = 50.3%

100% NEW ROOF AREA DIRECTED TO 2 x 3,500L RAINWATER RE-USE/DETENTION TANKS. GENERAL SURFACE DRAINAGE DIRECTED TO PROPOSED ON-SITE DETENTION BASIN. CONTROLLED OUTFLOW DIRECTED TO LEVEL SPREADER TO DISPERSE TO THE REAR TO COUNCIL SPECIFICATIONS.

STORMWATER DRAINAGE NOTES

- ALL DRAINAGE LINES SHALL BE uPVC (CLASS SH) STORMWATER DRAINAGE PIPE, U.N.O.
- ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, U.N.O. - FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO
- DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL
- MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500 U.N.O.
- MINIMUM EFFECTIVE EAVES GUTTER SIZE = 5800 mm²

LEGEND

Ø90 OR 100 x 50 RECTANGULAR DOWN PIPE, U.N.O.

INSPECTION POINT

8 क्षा RAINWATER SPREADER

FIRST FLUSH RAINWATER DEVICE TO ♦₽ BUILDERS DETAIL

X 100.00 PROPOSED FINISHED SURFACE LEVEL

CHARGED PIPE

PROPOSED BELOW GROUND PIPELINE PROPOSED SUSPENDED PIPELINE

EXISTING PIPELINE

SUBSOIL DRAINAGE LINE PROPOSED SURFACE INLET PIT

 $\langle 1 \rangle$ DRAINAGE NODE POINT OVERLAND FLOW PATH

ON-SITE DETENTION DESIGN SUMMARY

STORMWATER CONTROL ZONE 1

A DRAINS MODEL HAS BEEN PREPARED TO ASSESS STORMWATER RUNOFF FROM THE PROPOSED DEVELOPMENT. POST-DEVELOPMENT FLOWS UP TO THE 1% AEP STORM EVENT HAVE BEEN LIMITED TO THE NATURAL STATE (0% IMPERVIOUS) SITE DISCHARGE FOR A 20% AEP STORM EVENT.

REFER TO DRAINS MODEL SUMMARY TABLE ON THIS SHEET.

MAXIMUM HEAD HEIGHT TO ORIFICE CENTERLINE = 1.05 mDETERMINED ORIFICE DIAMETER = 57 mm

SITE STORAGE VOLUME REQUIRED $= 12.00 \text{ m}^3$

TOTAL OSD STORAGE VOLUME PROVIDED = 13.50 m³

PRE & POST DEVELOPMENT FLOWS 100 YEAR 5 YEAR 20 YEAR PRE - DEVELOPMENT FLOW (I/s) 12 21 28 POST - DEVELOPMENT CONTROLLED FLOW (I/s) POST - DEVELOPMENT 3 5 UNCONTROLLED FLOW (I/s) POST DEVELOPMENT (I/s) 12 10 11 STORAGE REQUIRED TANK (m3) 12 32 7 1

RE-ISSUED FOR APPROVAL 21.07.22 REVISED RAINWATER/DETENTION TANK SIZE .07.22 RE-ISSUED FOR APPROVAL NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE 28.06.22 ISSUED FOR CO-ORDINATION ONLY DESCRIPTION

F 07.10.22 REVISED ON-SITE DETENTION TANK LAYOUT

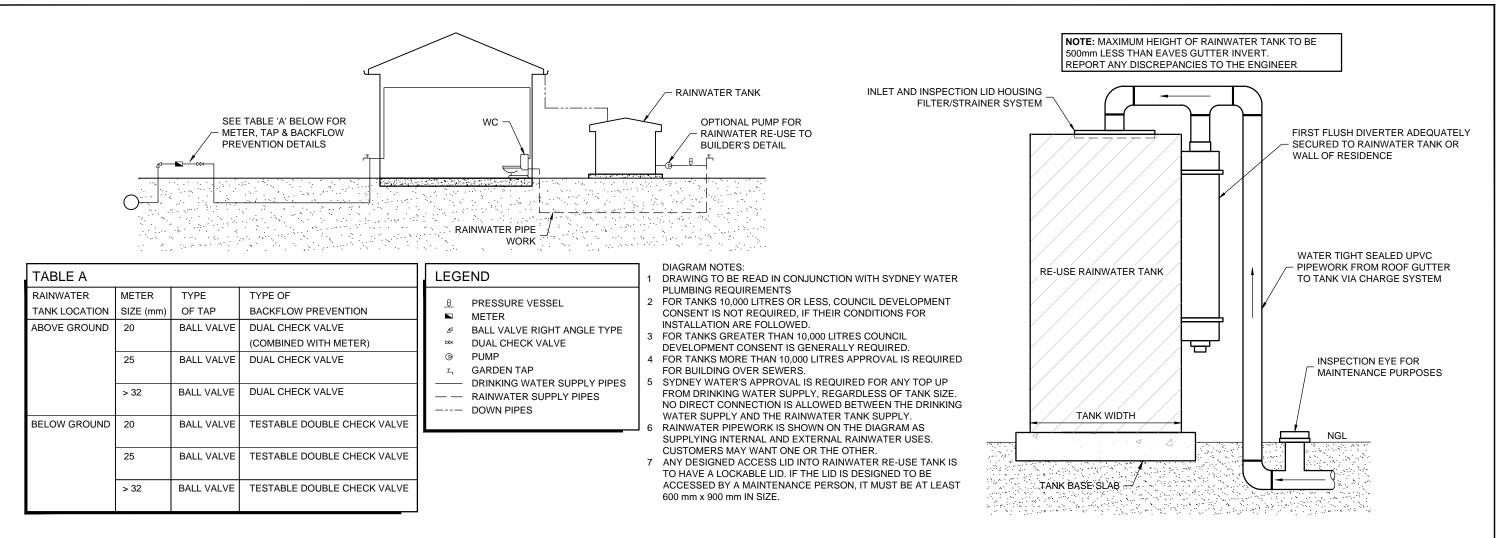
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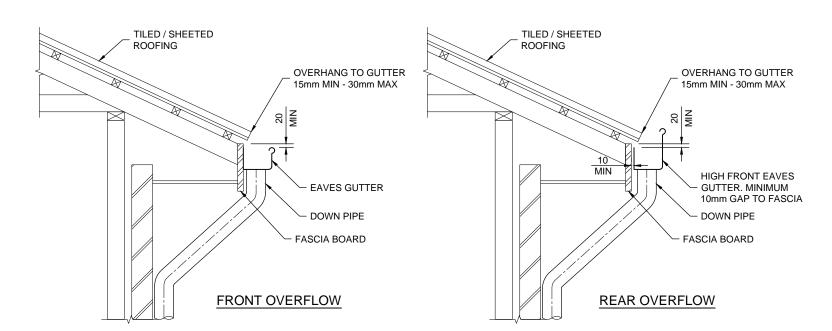
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PROPOSED PEGIPENOE	JOB NUMBER:	DWG NUMBER:	ORIGINA	L SIZE:
PROPOSED RESIDENCE AT 23 WAKEHURST PARKWAY, SEAFORTH	220266	C02.01	А	.3
FOR FOWLER HOMES	DESIGNED BY:	DATE: MARCH 2022		
	DRAWN BY:	SCALE:		
STORMWATER DRAINAGE PLAN	J.W.	SOALE.	\setminus	

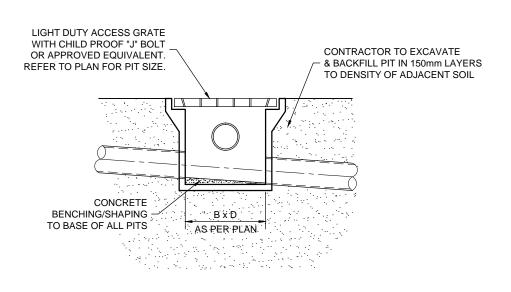
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DUAL DRINKING WATER & RAINWATER SUPPLY DIAGRAM



TYPICAL FIRST FLUSH DETAIL



TYPICAL SURFACE INLET PIT DETAIL

NOTE: BUILDER/PLUMBER TO INVESTIGATE SITE CONDITIONS, CONFIRM STORMWATER CONNECTION HEIGHT LEVELS AND LOCATION TO ENSURE CONSISTENCY WITH THE DESIGN. ANY DISCREPANCIES OR CONFLICTS WHICH MAY AFFECT THE PROPOSED DESIGN TO BE REPORTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE

TYPICAL EAVES GUTTER DETAIL

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	С	15.07.22	RE-ISSUED FOR APPROVAL	O.G.	
	D	21.07.22	REVISED RAINWATER/DETENTION TANK SIZE	O.G.	
	Е	24.08.22	RE-ISSUED FOR APPROVAL	O.G.	
		07.10.22	REVISED ON-SITE DETENTION TANK LAYOUT	U.G.	ı

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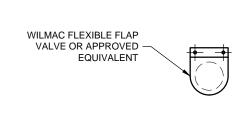
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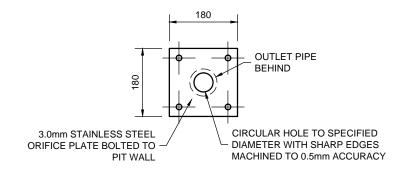
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PROPOSED RESIDENCE AT 23 WAKEHURST PARKWAY, SEAFORTH	JOB NUMBER: 220266	
FOR FOWLER HOMES	DESIGNED BY:	
STORMWATER DETAILS SHEET	DRAWN BY:	-;

	JOB NUMBER:	DWG NUMBER:	ORIGINA	L SIZE:
I	220266	C02.02	А	.3
	DESIGNED BY: O.G.	DATE: MARCH 2022		
:T	DRAWN BY: J.W.	SCALE:		

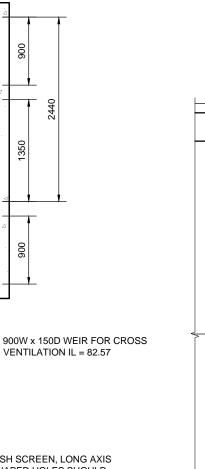


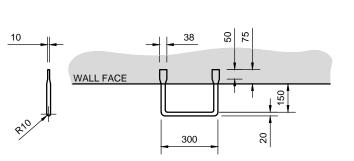


TYPICAL FLAP VALVE DETAIL

ORIFICE PLATE DETAIL

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





80.71

80.71

80.65

900

80.67

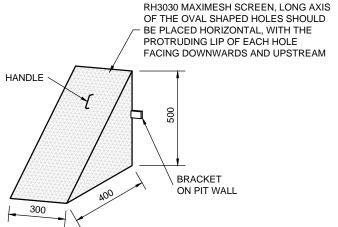
VOID FOR SERVICES

Ø150 OUTLET PIPE IL = 80.60

900W x 150D WEIR FOR CROSS

VENTILATION IL = 82.57

- 1. FIRST RUNG 150mm DOWN FROM TOP, THEN SPACED AT 300 CENTRES.
- 2. STEP IRON MATERIAL, 20m DIAMETER MILD STEEL, HEAVY GALVANISED.



900

80.72

80.72

900

STEP IRONS FOR DRAINAGE PITS

	F 07.10.22 REVISED ON-SITE DETENTION TANK LAYOUT			O.G.	Γ
	Е	24.08.22	RE-ISSUED FOR APPROVAL	O.G.	
	D	21.07.22	REVISED RAINWATER/DETENTION TANK SIZE	O.G.	
	С	15.07.22	RE-ISSUED FOR APPROVAL	O.G.	
0	В	28.06.22	ISSUED FOR CO-ORDINATION ONLY	0.G.	
SITE	REV	DATE	DESCRIPTION	BY	

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	JOB NUMBER:	DWG NUMBER:
PROPOSED RESIDENCE AT 23 WAKEHURST PARKWAY, SEAFORTH	220266	C02.03
FOR FOWLER HOMES	DESIGNED BY:	DATE:
	O.G.	MARCH 2022
STORMWATER DETAILS SHEET	DRAWN BY:	SCALE:
2	J.W.	

АЗ

STANDARD TRASH SCREEN

OUTDOOR RETREAT RL = 82.927 RL = 82.777 RL = 82.727 RL = 82.577 9000W x 150D WEIR FOR 900 SQ. SEALED CROSS VENTILATION BEYOND ACCESS LID ALL INLET PIPES TO BE DIRECTED TO H.E.D. CHAMBER Ø150 OVERFLOW PIPE IL = 81.70 MAX WATER LEVEL RL 81.70 H.E.D RL 81.60 $\,\,\,\,\,\,\,\,\,$ PROVIDE GALVANISED **OSD STORAGE** STEP IRONS AT 300 CTS. REFER TO DETAIL RL = 80.67RL = 80.65ORIFICE CL = 80.65 ONE-WAY PLASTIC FLAP OVER Ø150 INLET PIPE Ø150 OUTLET PIPE REMOVEABLE TRASH SCREEN, REFER TO DETAIL SLAB TO STRUCTURAL **ENGINEERS DETAILS** 4 x Ø50 DRAIN HOLES TO GRAVEL BASE TO SUMP AREA

SECTION

NOTE: BUILDER/PLUMBER TO INVESTIGATE SITE CONDITIONS, CONFIRM STORMWATER CONNECTION HEIGHT LEVELS AND LOCATION TO ENSURE CONSISTENCY WITH THE DESIGN. ANY DISCREPANCIES OR CONFLICTS WHICH MAY AFFECT THE PROPOSED DESIGN TO BE REPORTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON S

4910

- 900W H.E.D WEIR RL = 81.60

ON-SITE DETENTION TANK

SURFACE AREA = 13.50 m²

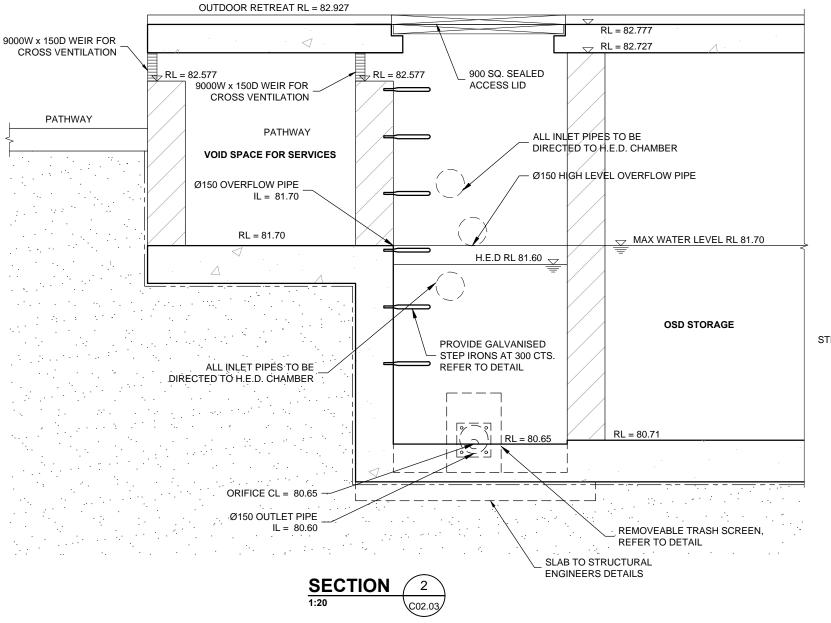
AVERAGE DEPTH = 1.00 m VOLUME = 13.50 m³

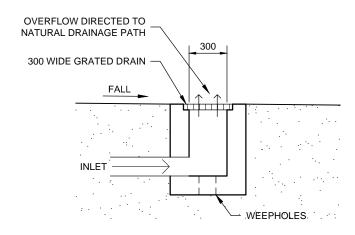
4010

BASE RL 80.65

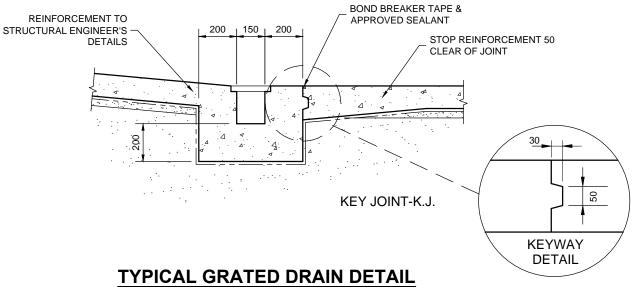
5810

OSD TANK LAYOUT PLAN





TYPICAL LEVEL SPREADER DETAIL



NOTE: BUILDER/PLUMBER TO INVESTIGATE SITE CONDITIONS, CONFIRM STORMWATER CONNECTION HEIGHT LEVELS AND LOCATION TO ENSURE CONSISTENCY WITH THE DESIGN. ANY DISCREPANCIES OR CONFLICTS WHICH MAY AFFECT THE PROPOSED DESIGN TO BE REPORTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

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Έ	В	28.06.22	ISSUED FOR CO-ORDINATION ONLY	O.G.
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	r	07.10.22	REVISED ON-SITE DETENTION TANK LATOUT	U.G.

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FOR FOWLER HOMES	DESIGNED BY:	DATE:
	O.G.	MARCH 20
STORMWATER DETAILS SHEET	DRAWN BY:	SCALE:
3	J.W.	

АЗ