


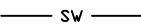




# 8 NOONAN ROAD, INGLEBURN

## STORMWATER MANAGEMENT PLAN

DRAWING INDEX:

- DR-000 LEGEND
- DR-001 PIPE LAYOUT
- DR-002 CATCHMENT PLAN
- DR-003 DETAILS – SHEET 1
- DR-004 DETAILS – SHEET 2
- DR-005 DETAILS – SHEET 3

LEGEND:

-  DOWNPIPE
-  **SW** STORMWATER PIPE
-  **RW** RAINWATER PIPE
-  **SS** SUBSOIL DRAIN
-  DRAINAGE PIT
-  B1 PROPOSED BARRIER KERB

NOTES:

1. ALL DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.

2. SITE LAYOUT BASED ON ARCHITECTURAL PLANS BY SMITH & TRACEY ARCHITECTS (13/12/2023) AND SURVEY PLANS BY BURTON & FIELD (29/03/2019).

3. LOCATION OF ALL SERVICES MUST BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.

4. ALL STORMWATER DRAINAGE PIPES AND ASSOCIATED DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE RELEVANT STANDARDS, THE BUILDING CODE OF AUSTRALIA, MANUFACTURER’S RECOMMENDATIONS, SYDNEY CATCHMENT AUTHORITY RECOMMENDED PRACTICE, AND LOCAL COUNCIL, AS APPLICABLE.

5. ALL INVERT LEVELS PROVIDED ON THIS DRAWING ARE REDUCED TO AHD AND BASED ON INTERPOLATED SURFACE LEVELS AND SYSTEM REQUIREMENTS.
6. WHERE POSSIBLE, PIPEWORK SHALL BE LOCATED EXTERNAL TO THE BUILDING.

7. DOWNPIPES AND STORMWATER LINES TO BE SEALED DN100 uPVC UNLESS OTHERWISE NOTED.

8. STORMWATER PIPES TO BE GRADED AT A MINIMUM 1% UNLESS NOTED OTHERWISE.

9. ALTERNATIVE GUTTER AND DOWNPIPE CONFIGURATION MAY BE INSTALLED PROVIDED IT COMPLIES WITH AS3500.

10. ALL PIPE AND CONDUITS TO BE MARKED IN ACCORDANCE WITH AS1345 – 1995.

11. TRENCHES AND SERVICE SEPARATIONS IN ACCORDANCE WITH AS/NZS 5601, AS/NZS 3500, AND AS/CA S009.

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Scale

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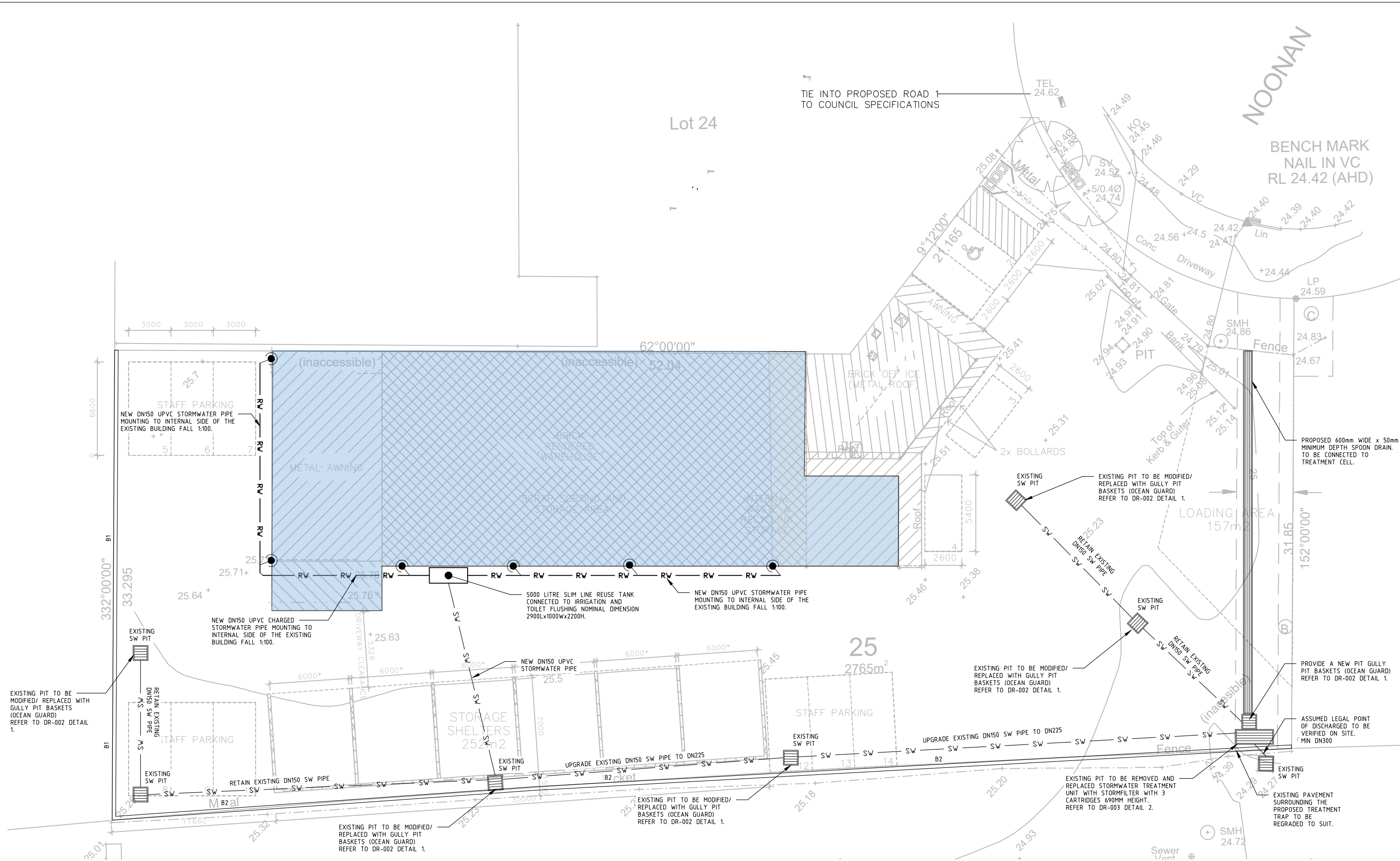
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This design complies with:  
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8 NOONAN ROAD, INGLEBURN

LEGEND

Size	A3	Status	APPROVED FOR DA RFI	Dwg No.	DR-000	Rev.	0
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PLAN  
1

PIPE LAYOUT-GROUND FLOOR  
1: 200

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1:200

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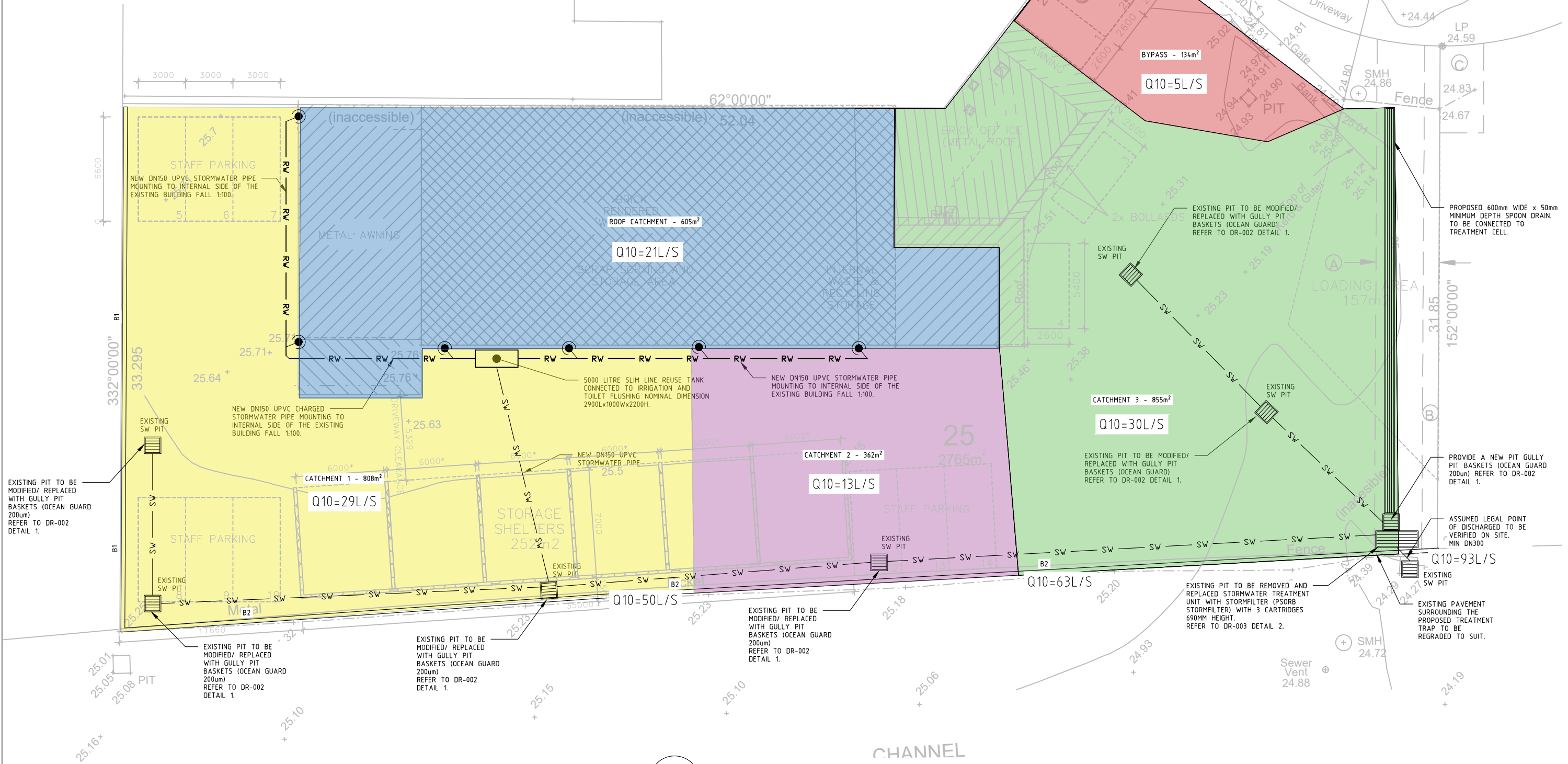
8 NOONAN ROAD, INGLEBURN				
PIPE LAYOUT				
Size	A3	Status	APPROVED FOR DA RFI	Drwg No.
				DR-001
Rev.				1

MINOR SYSTEM 10% AEP 5MIN 142MM/HR FLOWS SHOWN

TO COUNCIL SPECIFICATIONS

Lot 24

BENCH MARK  
NAIL IN VC  
RL 24.42 (AHD)



PLAN  
2

CATCHMENT PLAN  
1:200

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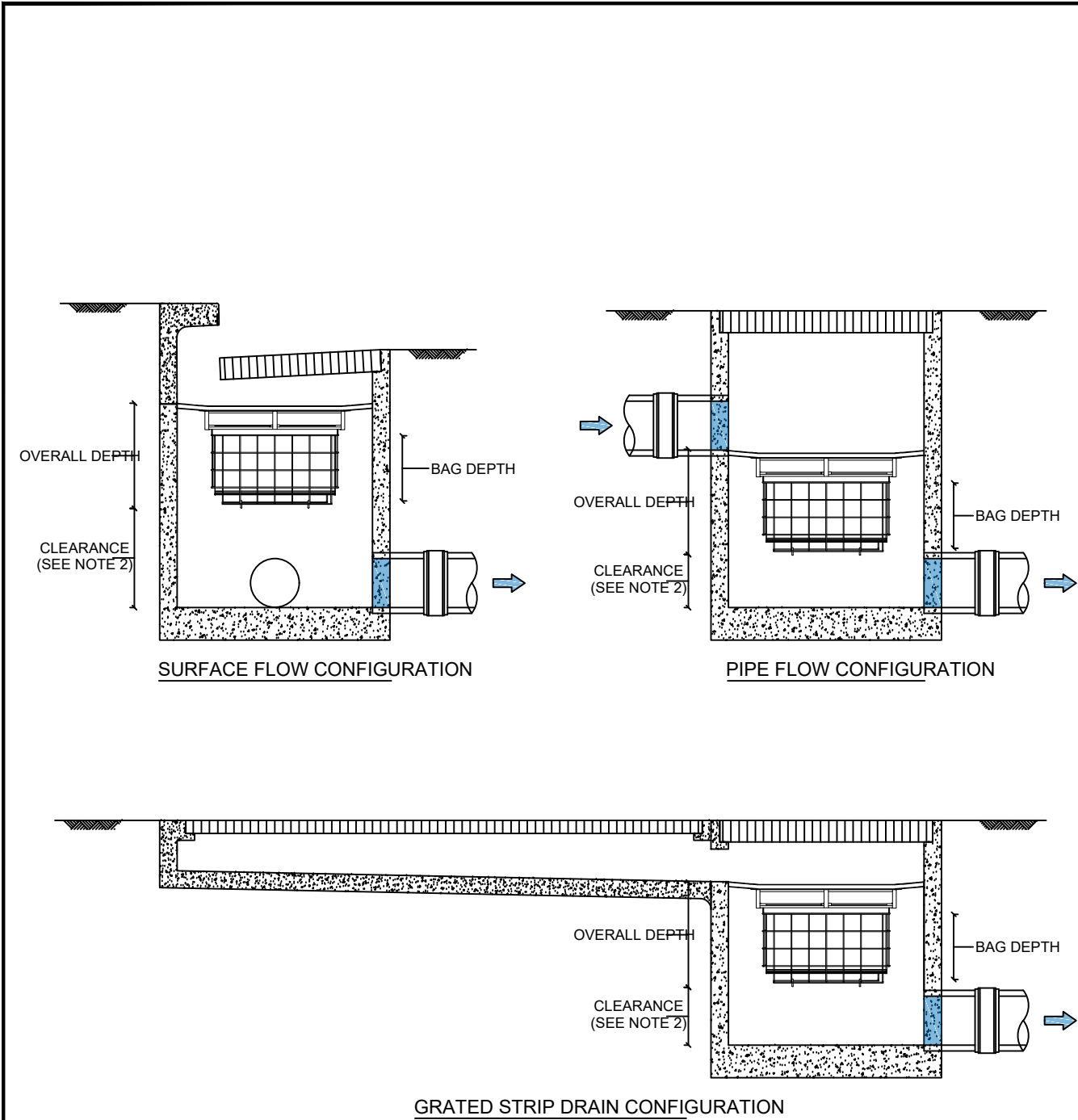
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8 NOONAN ROAD, INGLEBURN				
PIPE LAYOUT				
Size	A3	Status	APPROVED FOR DA RFI	Drw No.
				DR-002
Rev.	1			



PLAN ID	MAXIMUM PIT PLAN DIMENSIONS
S	450mm x 450mm
M	600mm x 600mm
L	900mm x 900mm
XL	1200mm x 1200mm

DEPTH ID	BAG DEPTH	OVERALL DEPTH
1	170	270
2	300	450
3	600	700

PLAN ID	DEPTH ID			
		1	2	3
	S	■		
	M	■	■	
	L	■	■	■
	XL	■	■	■



- GENERAL NOTES
- THE MINIMUM CLEARANCE DEPENDS ON THE CONFIGURATION (SEE NOTE 2) AND THE LOCAL COUNCIL REQUIREMENTS.
  - CLEARANCE FOR ANY PIT WITHOUT AN INLET PIPE (ONLY USED FOR SURFACE FLOW) CAN BE AS LOW AS 50mm. FOR OTHER PITS, THE RECOMMENDED CLEARANCE SHOULD BE GREATER OR EQUAL TO THE PIPE OBVERT SO AS NOT TO INHIBIT HYDRAULIC CAPACITY.
  - OCEAN PROTECT PROVIDES TWO FILTRATION BAG TYPES:- 200 MICRON BAGS FOR HIGHER WATER QUALITY FILTERING AND A COARSE BAG FOR TARGETING GROSS POLLUTANTS.
  - DRAWINGS NOT TO SCALE.

LAST MODIFIED: 18 03 19



TYPICAL OCEAN GUARD DETAIL  
NOT TO SCALE

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Scale

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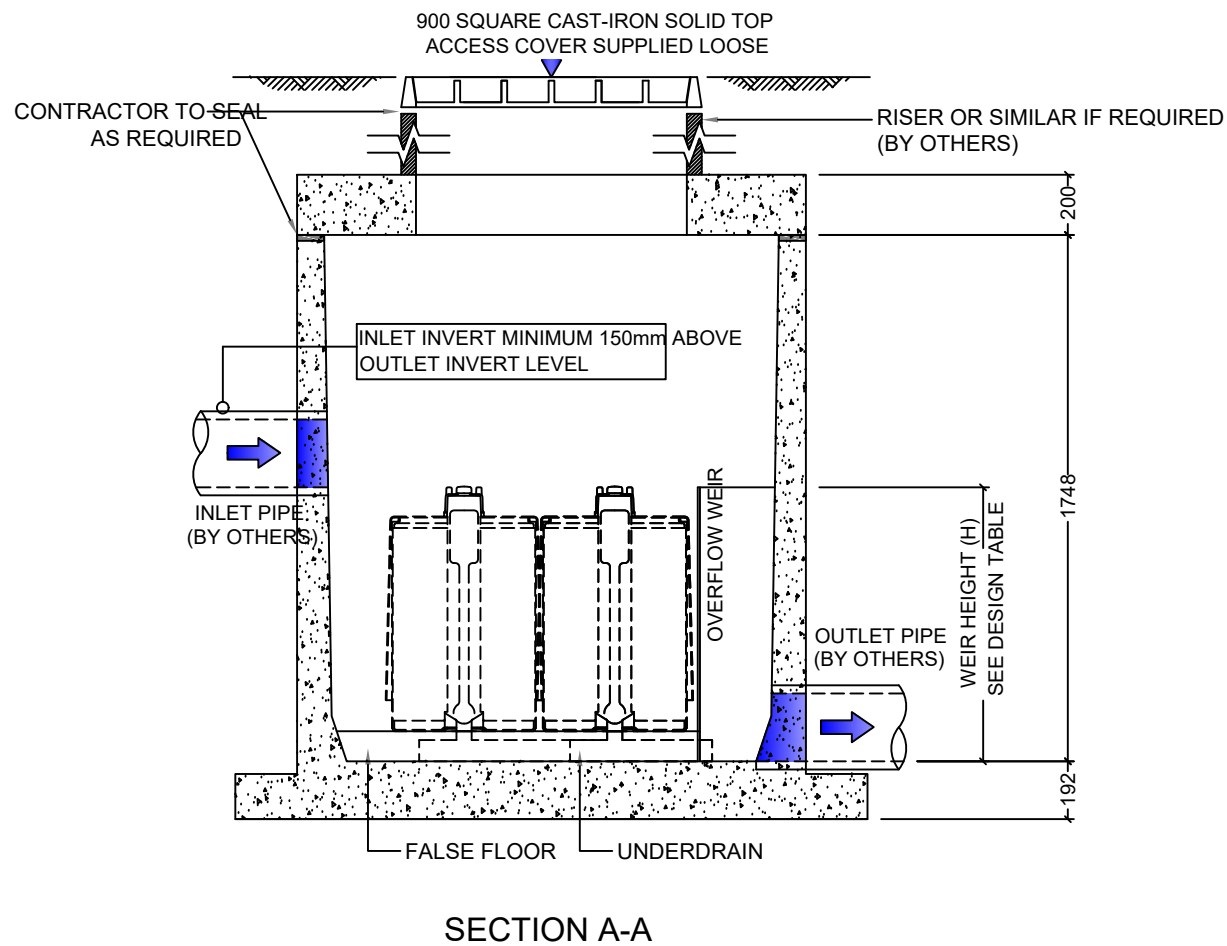
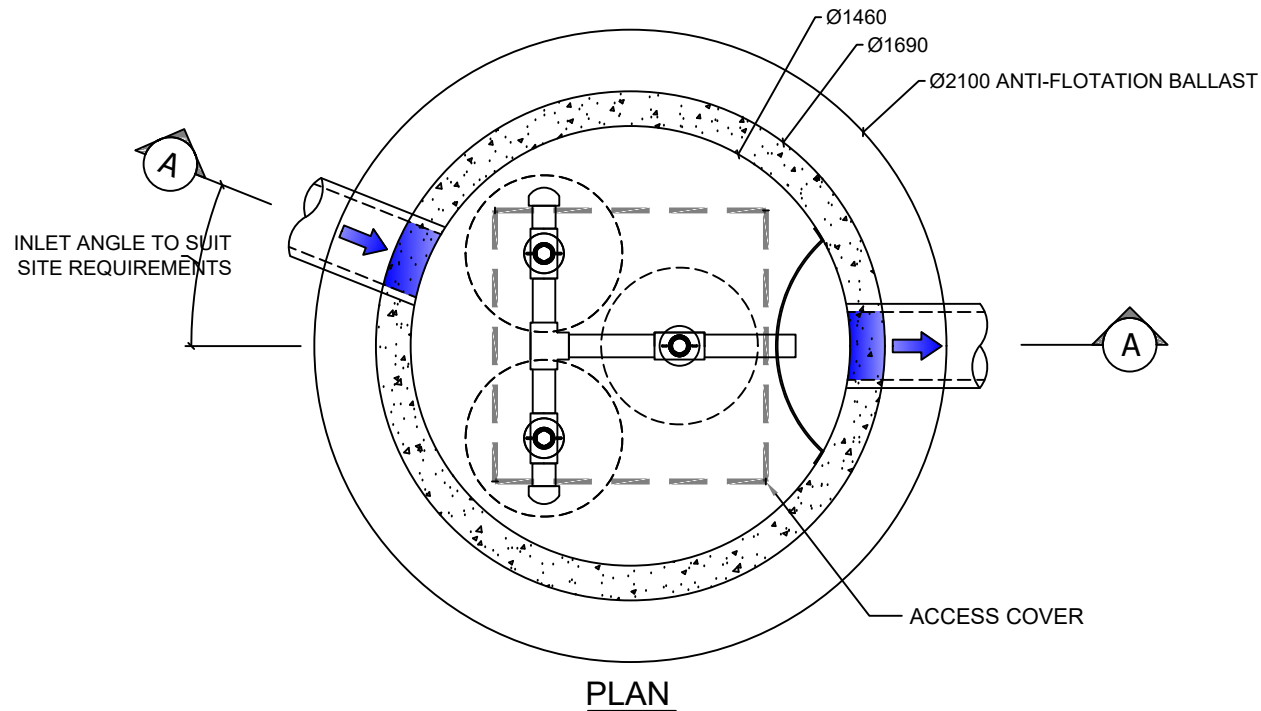
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8 NOONAN ROAD, INGLEBURN				
DETAILS SHEET - 1				
Size	A3	Status	APPROVED FOR DA RFI	Drwg No.
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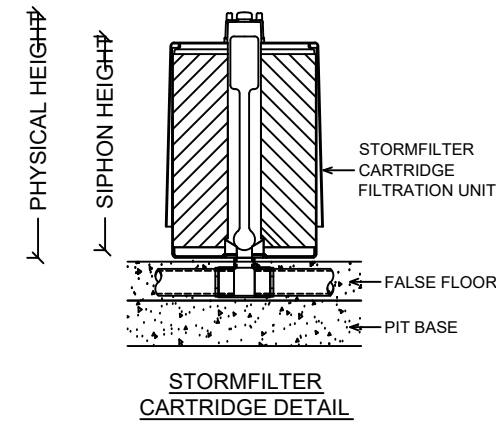


LAST MODIFIED: 09-11-18

### STORMFILTER DESIGN TABLE

- STORMFILTER TREATMENT CAPACITY VARIES BY NUMBER OF FILTER CARTRIDGES INSTALLED.
- THE STANDARD CONFIGURATION IS SHOWN. ACTUAL CONFIGURATION OF THE SPECIFIED STRUCTURE(S) PER CERTIFYING ENGINEER WILL BE SHOWN ON SUBMITTAL DRAWING(S).
- FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF-CLEANING. RADIAL MEDIA DEPTH SHALL BE 178mm.

CARTRIDGE NAME / SIPHON HEIGHT (mm)	690	460	310
CARTRIDGE PHYSICAL HEIGHT (mm)	840	600	600
TYPICAL WEIR HEIGHT [H] (mm)	920	690	540
CARTRIDGE FLOW RATE FOR ZPG MEDIA (L/s)	1.6	1.1	0.7
CARTRIDGE FLOW RATE FOR PSORB MEDIA (L/s)	0.9	0.46	0.39



#### SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID		[ ]
NUMBER OF CARTRIDGES REQ'D		3
SIPHON HEIGHT (310 / 460 / 690)		[ ]
MEDIA TYPE (ZPG / PSORB)		[ ]
WATER QUALITY FLOW RATE (L/S)		[ ]
HYDRAULIC CAPACITY (L/S)		90
PIPE DATA:	I.L.	MATERIAL DIAMETER
INLET PIPE #1	[ ]	[ ] [ ]
INLET PIPE #2	[ ]	[ ] [ ]
INLET PIPE #3	[ ]	[ ] [ ]
OUTLET PIPE	[ ]	[ ] [ ]
PRECAST MANHOLE WEIGHT		4100kg
PRECAST LID WEIGHT		1100kg

#### GENERAL NOTES

- PRECAST STRUCTURE SUPPLIED WITH CORE HOLES TO SUIT OUTER DIAMETER OF NOMINATED PIPE SIZE / MATERIAL.
- PRECAST STRUCTURE SHALL MEET W80 WHEEL LOAD RATING ASSUMING A MAXIMUM EARTH COVER OF 2.0m AND A GROUND WATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. CERTIFYING ENGINEER TO CONFIRM ACTUAL GROUNDWATER ELEVATION. PRECAST STRUCTURE SHALL BE IN ACCORDANCE WITH AS3600.
- IF THE PEAK FLOW RATE, AS DETERMINED BY THE SITE CERTIFYING ENGINEER, EXCEEDS THE PEAK HYDRAULIC CAPACITY OF THE SYSTEM, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.
- ALL WATER QUALITY TREATMENT DEVICES REQUIRE PERIODIC MAINTENANCE. REFER TO OPERATION AND MAINTENANCE MANUAL FOR GUIDELINES AND ACCESS REQUIREMENTS.
- SITE SPECIFIC PRODUCTION DRAWING WILL BE PROVIDED ON PLACEMENT OF ORDER.
- DRAWING NOT TO SCALE.

#### INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY CERTIFYING ENGINEER.
- CONTRACTOR TO PROVIDE ALL EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMFILTER STRUCTURE (LIFTING DETAIL PROVIDED SEPARATELY).
- CONTRACTOR TO APPLY SEALANT TO ALL JOINTS AND TO PROVIDE, INSTALL AND GROUT INLET AND OUTLET PIPES.



PHONE: 1300 354 722

www.oceanprotect.com.au

OCEAN PROTECT  
3 CARTRIDGE STORMFILTER SYSTEM  
DN1460 MANHOLE  
SPECIFICATION DRAWING



TYPICAL 2 CARTRIDGE STORMFILTER DETAIL  
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Scale

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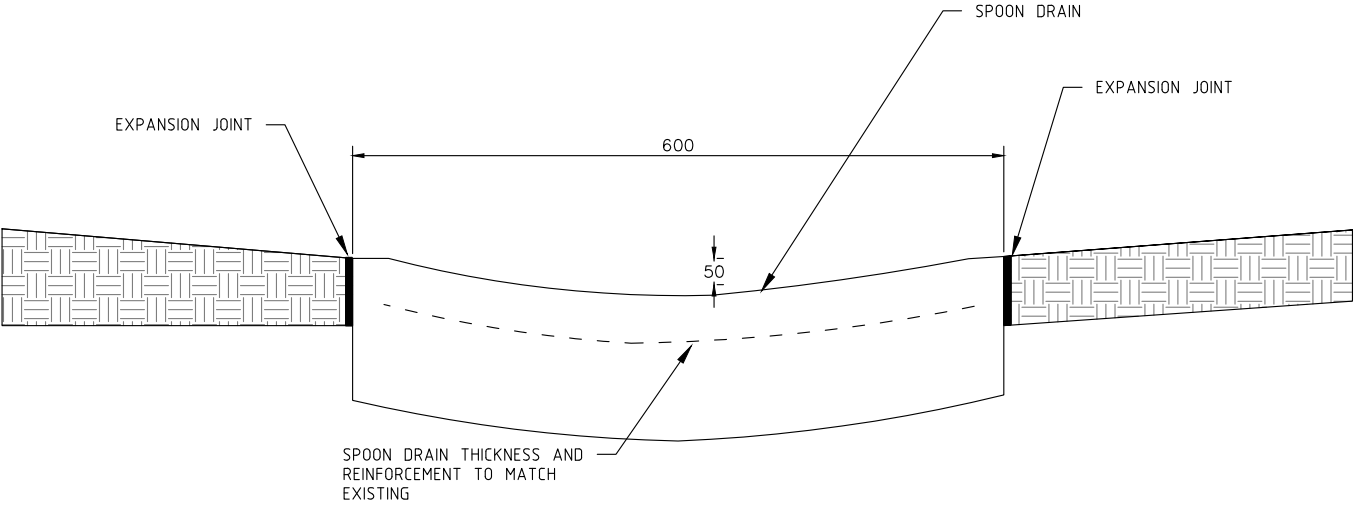
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8 NOONAN ROAD, INGLEBURN

DETAILS SHEET - 2

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DETAIL  
3

TYPICAL 600x50mm SPOON DRAIN DETAIL  
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8 NOONAN ROAD, INGLEBURN

DETAILS SHEET - 3

Size	A3	Status	APPROVED FOR DA RFI	Dwg No.	DR-005	Rev.	0
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