# PROPOSED NEW DRAINAGE

# 8 OCEAN RD., MANLY STORMWATER CONCEPT PLAN

### PIPELINE SYMBOL LEGEND

#### **HYDRAULIC SERVICES NOTES & PROJECT REQUIREMENTS**

- DOCUMENTS, AUSTRALIAN STANDARDS, AND AUTHORITY REQUIREMENTS APPLICABLE TO THE WORKS. CLAIMS DUE TO IGNORANCE OF THE CONTENTS OF HYDRAULIC SERVICES DOCUMENTS AND / OR REQUIREMENTS OF AUSTRALIAN STANDARDS /31. AUTHORITY REQUIREMENTS WILL NOT BE ENTERED INTO.
- 32. ALLOW TO CO-ORDINATE FINAL LOCATIONS OF ALL PIPEWORK & EQUIPMENT WITH STRUCTURE & OTHER SERVICE THE CONTRACTOR IS REQUIRED TO VISIT AND INSPECT EXISTING SITE STRUCTURES, SERVICES AND CONDITIONS OF THE SITE PRIOR TO SUBMITTING THEIR TENDER AND FAMILIARISE THEMSELVES WITH THE VISIBLE NATURE AND CONDITIONS OF THE SITE RELATIVE TO THE WORKS TO BE CARRIED OUT. CLAIMS DUE TO IGNORANCE OF EXISTING SITE CONDITIONS WILL NOT BE33. ALLOW TO ACOUSTICALLY INSULATE ALL SANITARY & STORM WATER DRAINAGE INSTALLED IN ABOVE SOUND
- THE HYDRALII IC SERVICES DRAWINGS AND SPECIFICATION SET OUT THE PROJECT REQUIREMENTS TO BE MET OVER AND ABOVE THE MINIMUM STANDARDS AS SET OUT BY THE RELEVANT AUSTRALIAN STANDARD APPLICABLE TO THAT SERVICE. THI CONTRACTOR SHALL MAKE DUE ALLOWANCE IN THEIR TENDER, AND WARRANTS THAT THEY HAVE MADE DUE ALLOWANCE FOR **ALL** REQUIREMENTS NECESSARY FOR THE EXECUTION OF THE WORKS IN ACCORDANCE WITH THE STANDARDS AS SET OUT BY HE RELEVANT AUSTRALIAN STANDARD APPLICABLE TO THAT SERVICE. THE RELEVANT LOCAL AUTHORITY REQUIREMENTS AND $^{35}$ -HYDRAULIC SERVICES DRAWINGS ARE TO BE READ IN CONJUNCTION WITH HYDRAULIC SERVICES SPECIFICATION AND DRAWINGS OF ALL OTHER DISCIPLINES FOR THIS PROJECT. IGNORANCE OF THE CONTENTS OF ANY DOCUMENT
- 5. ALLOW TO OBTAIN ALL APPROVALS AND PAY ALL FEES AND CHARGES TO ALL AUTHORITIES IN RELATION TO THE37 PROPOSED SERVICE INSTALLATIONS INDICATED ON THE DRAWINGS
- 6. ALLOW TO DISCONNECT & SEAL ALL REDUNDANT HYDRAULIC SERVICES RELATED TO THE INSTALLATION OF THE PROPOSED WORKS TO THE REQUIREMENTS OF THE RELEVANT AUTHORITY.
- 7. ALL WORK BE CARRIED OUT IN ACCORDANCE WITH WATER & SEWER AUTHORITY REGULATIONS, SUPERINTENDENTS
- 8. LOCATION OF FIXTURES SHALL BE IN ACCORDANCE WITH LATEST ARCHITECTURAL DRAWINGS
- 9. WIRING OF HWU/S AND GPO/S FOR BOILING / CHILLED WATER UNIT BY ELECTRICAL CONTRACTOR

APPROVAL & HYDRAULIC SPECIFICATION.

- 10 LIAISE WITH BUILDING SUPERINTENDENT TO ARRANGE SHUTDOWN AND ASSOCIATED WORKS
- 11. ALL PIPES FIXTURES & FITTINGS ARE TO BE FIRST QUALITY AND OF ONE MANUFACTURER. WRITTEN WARRANTIES ON INSPECTION BY THE SUPERINTENDENT. ALL TO BE VANDAL PROOF.
- 12. ALL FIXTURES ARE TO BE SUPPLIED AND INSTALLED BY THE HYDRAULICS SERVICES CONTRACTOR UNLESS SPECIFIED42. THE CONTRACTOR SHALL ALLOW FOR AND PAY ALL FEES AND OBTAIN ALL AUTHORITY CLEARANCES INCLUDING
- 13. ON COMPLETION OF THE INSTALLATION ALLOW TO TEST THE FIXTURES FOR NORMAL OPERATION AND ADJUST AS43. ALL PIPE PENETRATIONS AT WALLS SHALL BE FITTED WITH A PUDDLE FLANGE AND ALL WALL PENETRATIONS SHALL
- 14. ALL FIXINGS SHALL BE PLUMB AND LEVEL AND NEATLY FINISHED IN A TRADESMAN LIKE MANNER AND WITHOUT44. PRESSURE PIPE 'BLUE BRUTE' CLASS 20 TO AS 2977 WITH RUBBER RING JOINTS AND DUCTILE IRON FITTINGS EXCEPT
- INSTALLATION BASED ON THE DRAWINGS, SPECIFICATION COORDINATION WITH THE STRUCTURE AND OTHER BACK FILLING AND MAKING GOOD THE SURFACE. PAY ALL ASSOCIATED FEES AND CHARGES. SERVICES PLUS ANY RELEVANT ALISTRALIAN STANDARDS
- 16. ALL MATERIALS USED IN THE WORK SHALL BE NEW AND OF THE BEST QUALITY AND TYPE AVAILABLE TO CONFORM STANDARDS. WITH THE RELEVANT AUSTRALIAN STANDARDS AND BEAR THE REQUIRED STANDARDS MARK.
- 17. FOR ALL PLUMBING AND DRAINAGE WORKS, AN APPLICATION SHALL BE LODGED AS REQUIRED BY THE SYDNEY VERIFIED ON SITE PRIOR TO COMMENCEMENT OF WORK. WATER REGULATION 2000 SECTION 7 UNDER THE SYDNEY WATER ACT 1994, UPON COMPLETION, THE PLUMBER CARRYING OUT THE WORK SHALL SUBMIT TO THE PROJECT MANAGER THE SIGNED ORIGINAL OWNER'S COPY OF THE48. REUSED DRAINS UNDER BUILDINGS SHALL BE RETESTED WHERE DIRECTED BY SUPERINTENDENT
- 18. ANY DAMAGE TO SERVICES DURING CONSTRUCTION SHALL REPAIRED IMMEDIATELY AT THE CONTRACTORS OWN 49.1. THE PROPERTY BOUNDARY
- 19. REFER TO SPECIFICATION FOR ADDITIONAL SPECIFICATION NOTES, WORK INSTRUCTIONS, MATERIAL SPECIFICATIONS 49.4. IMMEDIATELY UPSTREAM & DOWNSTREAM OF ALL JUMP-UPS
- PROPRIETARY CAPS / PLUGS.
- 21. ALLOW TO MAKE APPLICATION & PAY ALL FEES TO SYDNEY WATER TO OBTAIN A PERMIT TO UNDERTAKE PLUMBING &51. PROVIDE 80mm COMPRESSIBLE MATERIAL OVER PIPEWORK WHERE CLEARANCE TO UNDERSIDE OF FOOTING IS LESS DRAINAGE WORKS AND FOR ALL SYDNEY WATER INSPECTIONS.
- 22. PIPING SHOWN FOR CLARITY ONLY, ACTUAL POSITION TO BE DETERMINED AND COORDINATED ON SITE.
- DISCREPANCIES TO THE SUPERINTENDENT.
- 24. HYDRAULIC DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND ENGINEERING DRAWINGS.
- 25. COORDINATE SERVICES WITH ALL OTHER TRADES AND WORKS ON SITE. THOROUGHLY INVESTIGATE THE EXTENT OF56. INVERT LEVELS SHOWN ARE INDICATIVE ONLY. CONFIRM ALL LEVELS ON SITE BEFORE COMMENCING INSTALLATION EXISTING SERVICES PRIOR TO COMMENCING WORKS ON SITE.
- 26. DURING THE INSTALLATION, RECORD ALL CHANGES TO THE DESIGN DRAWINGS AND DIMENSION OF HIDDEN SERVICES57. ACCESS PANEL ARE TO BE INSTALLED WHERE REQUIRED TO ACCESS CONTROL VALVES IN WATER LINES AS FROM PERMANENT, VISIBLE LANDMARKS. AT THE COMPLETION OF THE WORKS PROVIDE THREE (3) SETS OF AS INSTALLED DRAWINGS AND ELECTRONIC FILES IN AUTOCAD DWG FORMAT ON CD.
- 27. PROVIDE THREE (3) SETS OF OPERATION AND MAINTENANCE MANUALS FOR ALL SYSTEMS. THE MANUALS SHALL INCLUDE A BRIEF DESCRIPTION OF EACH SERVICE AND DETAILS OF ALL EQUIPMENT WARRANTIES AND MAINTENANCE PROCEDURES ASSOCIATED WITH THAT SERVICE. THE AS INSTALLED DRAWINGS AND ELECTRONIC FILES ARE TO BE
- 28. ALL PIPEWORK AND ASSOCIATED VALVES AND EQUIPMENT WHICH ARE TO BE INSTALLED IN EXISTING BUILDING/S AND PENETRATING THROUGH EXISTING STRUCTURE ARE TO BE APPROVED BY THE SUPERINTENDENT PRIOR TO
- 29. FIT ALL SLEEVES AND FIRE COLLARS WHERE NECESSARY FOR PIPES PASSING THROUGH FIRE RATED STRUCTURE PIPEWORK SHALL BE HIDDEN FROM VIEW BY INSTALLATION IN WALLS. CEILINGS OR BURYING IN GROUND. WHERE PIPEWORK CANNOT BE HIDDEN FROM VIEW, OBTAIN APPROVAL FROM THE SUPERINTENDENT PRIOR TO INSTALLATION.

#### 30. EXPOSED PIPEWORK SHALL BE PAINTED AND LABELLED WITH PIPE MARKERS IN ACCORDANCE WITH AS 1345. PIPEWORK IN GROUND SHALL BE PROVIDED WITH MARKING TAPE IN THE TRENCH INDICATING THE SERVICE AND

SENSITIVE AREAS ie. BEDROOMS, LIVING AREAS IN ACCORDANCE WITH THE BCA OR THE ACOUSTIC REPORT

WATER TIGHT, UNLESS OTHERWISE SPECIFIED ON NON-TRAFFICABLE ROOFS THE VENT SHALL TERMINATE A MINIMUM

CONFORMITY WITH THE ARCHITECTURAL PLANS. HYDRAULIC DRAWINGS AND SPECIFICATIONS AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING CODE OF AUSTRALIA. LOCAL AUTHORITIES. AS 3500 AND OTHER RELEVANT AUSTRALIAN STANDARDS

THEIR ACCURACY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH THE LOCATION OF ALL EXISTING

40. UPON SIGNING THE CONTRACT, THE CONTRACTOR IS DEEMED TO HAVE VISITED SITE AND FAMILIARISED THEMSELVES WITH THE SITE. THE LOCATIONS & SIZES OF ALL EXISTING SERVICES AND THE EXTENT OF WORKS REQUIRED TO PROVIDE A COMPLETE, WORKING AND SERVICEABLE INSTALLATION BASED ON THE DRAWINGS, AND SITE CONSTRAINTS. VARIATIONS DUE TO OBVIOUS SITE CONSTRAINTS WILL NOT BE APPROVED.

WORKMANSHIP AND MATERIALS OF AT LEAST 1 YEAR REQUIRED FOR EACH UNIT. ALL UNITS SHALL BE SUBJECT TO41. HYDRAULIC SERVICES CONTRACTOR SHALL PROVIDE A CERTIFICATE OF COMPLIANCE UPON COMPLETION OF WORKS

BE MADE GOOD AND WATER TIGHT

15. PROVIDE ALL MATERIALS AND LABOUR NECESSARY TO PROVIDE A COMPLETE, WORKING AND SERVICEABLE45. CAP OFF ALL REDUNDANT SERVICES AT THE AUTHORITY MAIN. ARRANGE INSPECTION WITH THE AUTHORITY PRIOR TO

46. PROVIDE APPROVED FIRE STOP COLLARS TO THE REQUIREMENTS OF THE BCA AND RELEVANT AUSTRALIAN 47. DRAINS TO BE SUPPORTED ON OR FROM SOLID GROUND. LOCATION & DEPTH / INVERT LEVEL OF BRANCH SHALL BE

49. INSPECTION OPENINGS SHALL BE PROVIDED AT:

- AT MAX. 30m INTERVALS SPREAD EQUIDISTANT WHERE POSSIBLE
- 49.5 AS REQUIRED BY THE AUTHORITY FOR INSPECTION & MAINTENANCE

20. PIPE WORK SHALL BE CAPPED OFF AS WORK PROCEEDS TO PREVENT INGRESS OF DIRT, CONCRETE ETC. USE50. ALL SERVICES THAT CROSS PAVEMENTS, FOOTING ETC SHALL BE BACKFILLED WITH GRANULAR MATERIAL TO SUBGRADE LEVEL & COMPACTED TO 95% M.M.D.D.

THAN 150mm UNLESS NOTED OTHERWISE

53. ON COMPLETION OF PIPE INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL CONDITION INCLUDING: KERBS, FOOTPATH, CONCRETE AREAS, GRAVEL AREAS & ROAD PAVEMENTS. 23. ALL LEVELS AND DIMENSIONS SHOWN TO BE CHECKED ON SITE PRIOR TO COMMENCING ANY WORKS. REPORT ANY54. CARE SHALL BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATION SHALL BE MADE OVER AUTHORITY SERVICES.TELSTRA OR ELECTRICAL SERVICES, EXCAVATE BY HAND IN THESE AREAS.

55. THE PLUMBING CONTRACTOR SHALL OBTAIN ALL AUTHORITY APPROVALS & PAY ALL FEES.

REQUIRED & INSPECTION OPENINGS ON STORMWATER & SEWER RISERS. ACCESS PANELS SHALL MATCH PROPOSED

FINISH. REFER TO ARCHITECTURAL DRAWING FOR FINISHES.

Allow to obtain approval and pay all fees and charges to all authorities in relation to the proposed service installations as indicated on the drawings.

Allow to provide " as-built " drawings on Autocad dwg compatible file format together with 2-off paper copies before final payment

Existing services are located within the site for which documentation is not

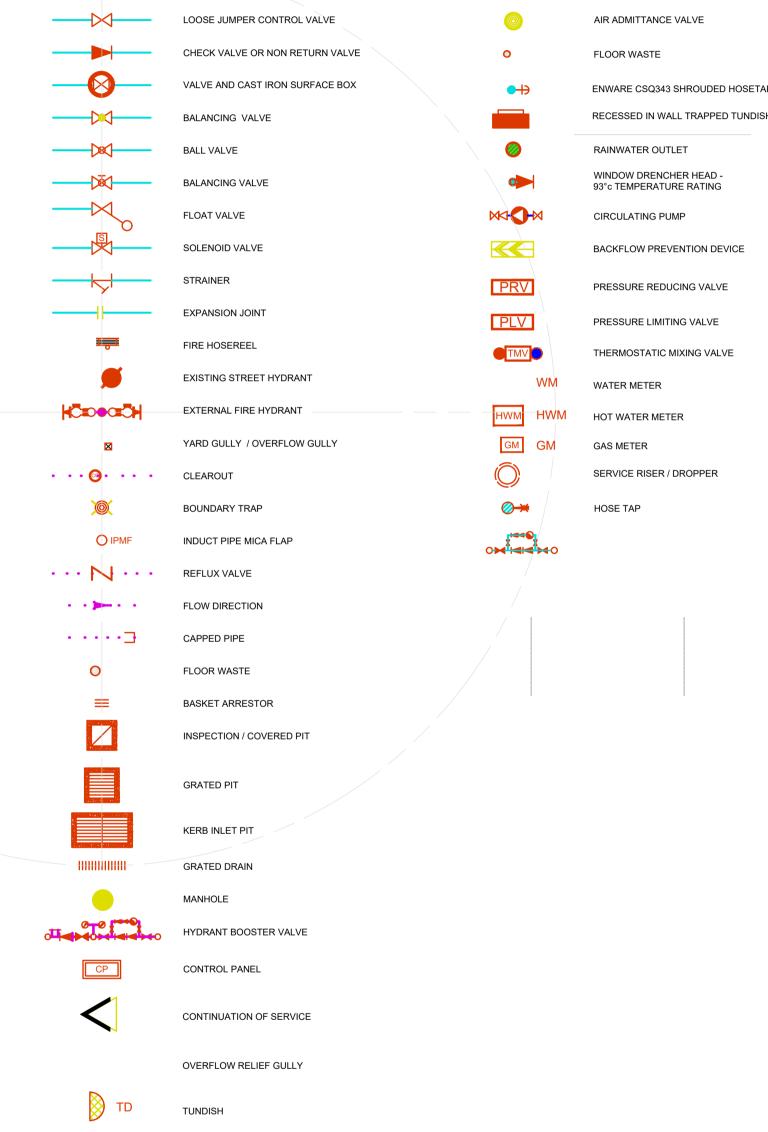
Services shown on this plan have been plotted from plans and by field These services and others that may exist may not be situated within registered easements or within standard footpath allocations.

It is the contractors responsibility to identify the locations of all services via electronic pipe locating prior to **ANY** construction works and to avoid disturbance of these services.

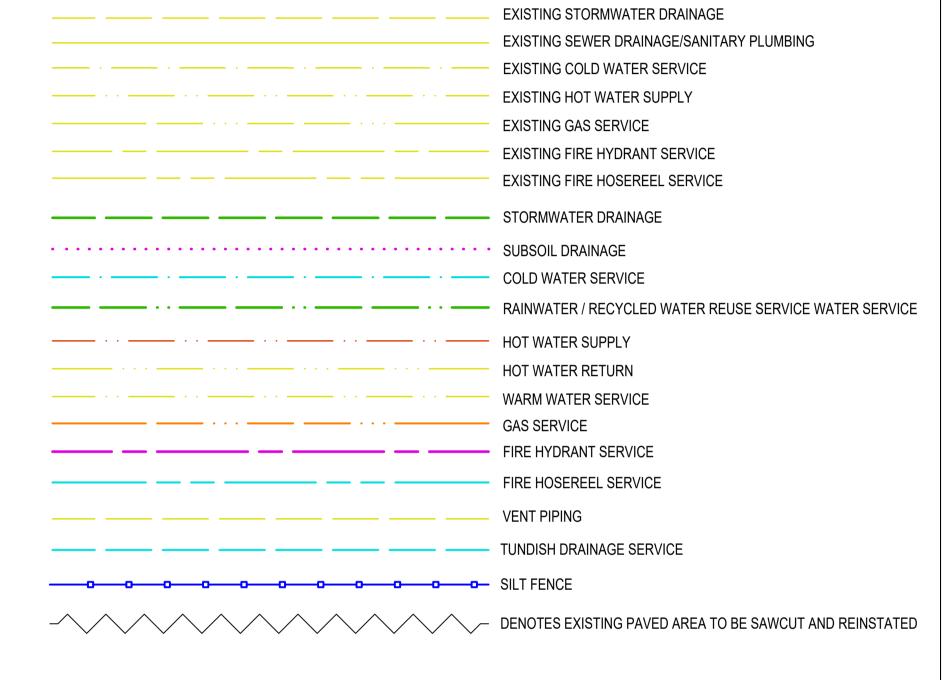
Allow to disconnect & cap off obsolete services at authority mains. Contractor to provide work as executed plan prepared by a registered

surveyor & provide certification that the stormwater drainage & detention system has been installed as per approved plans.

## PIPELINE SYMBOL LEGEND



# **SERVICE LEGEND**



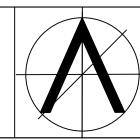
#### **EXISTING SERVICES NOTES**

- 1. SERVICES SHOWN ON HYDRAULIC PLANS HAVE BEEN PLOTTED FROM PLANS AND BY FIELD INSPECTION. THESE SERVICES AND OTHERS MAY NOT BE SITUATED WITHIN REGISTERED EASEMENTS OR WITHIN STANDARD FOOTPATH ALLOCATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO IDENTIFY THE LOCATIONS OF ALL SERVICES PRIOR TO CONSTRUCTION WORKS AND TO AVOID DISTURBANCE OF THESE SERVICES. THE CONTRACTOR IS ADVISED TO CONTACT THE 'DIAL BEFORE YOU DIG' SERVICE TO ASCERTAIN THE LOCATIONS OF ANY EXISTING AUTHORITY SERVICES.
- 2. THE HYDRAULIC SUBCONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED. PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN APPROVAL OF THEIR PROGRAMME FOR THE RELOCATION/CONSTRUCTION OF TEMPORARY SERVICES.
- 3. HYDRAULIC SUBCONTRACTOR SHALL ALLOW TO CONSTRUCT NECESSARY SERVICES TO MAINTAIN SUPPLY TO EXISTING BUILDINGS REQUIRED TO REMAIN IN OPERATION TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS IS COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL ALLOW TO REMOVE ALL TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.
- 4. INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE TO THE PRINCIPAL. CONTRACTOR TO GAIN APPROVAL OF SUPERINTENDENT FOR TIME OF INTERRUPTION.

Hydraulic design plans to be read in conjunction with architectural plans.

A July 23 DA Issue NOTATION/AMENDMENT DO NOT SCALE DRAWINGS. CHECK ALL DIMENSIONS ON SITE FIGURED DIMENSIONS TAKE PRECEDENCE.

KUBANYI ARCHITECTS NSW REG 4087 DEP 0000592 LEVEL 1, 122 VICTORIA ROAD DRUMMOYNE 2047 PH 0412 500 240 JUDITHKUBANYI@IINET.NET.AU



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CHECK VALVE/REFLUX VALVE

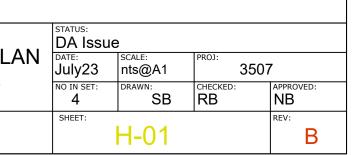
OR NON RETURN VALVE.

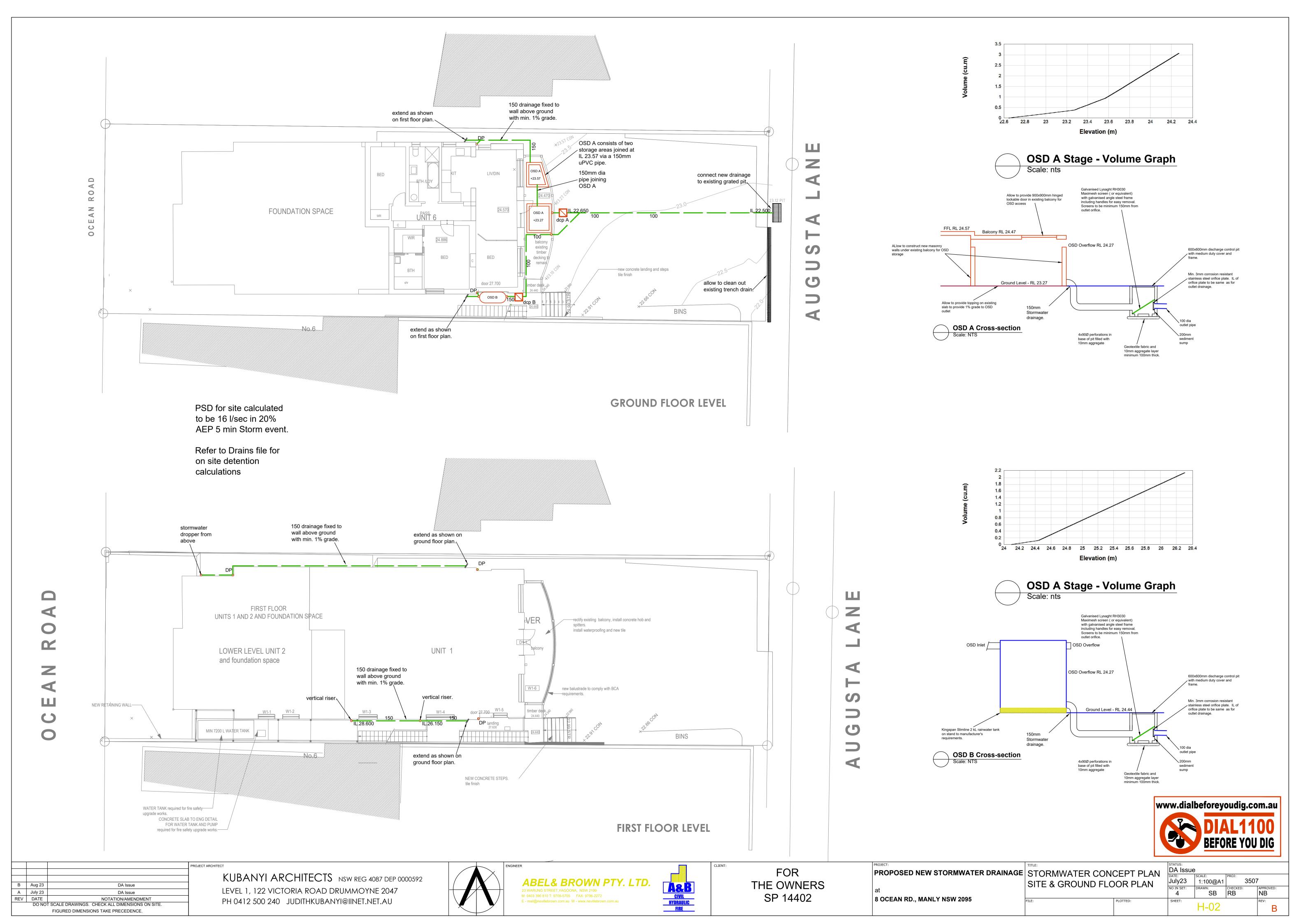
TRAP PRIMING VALVE

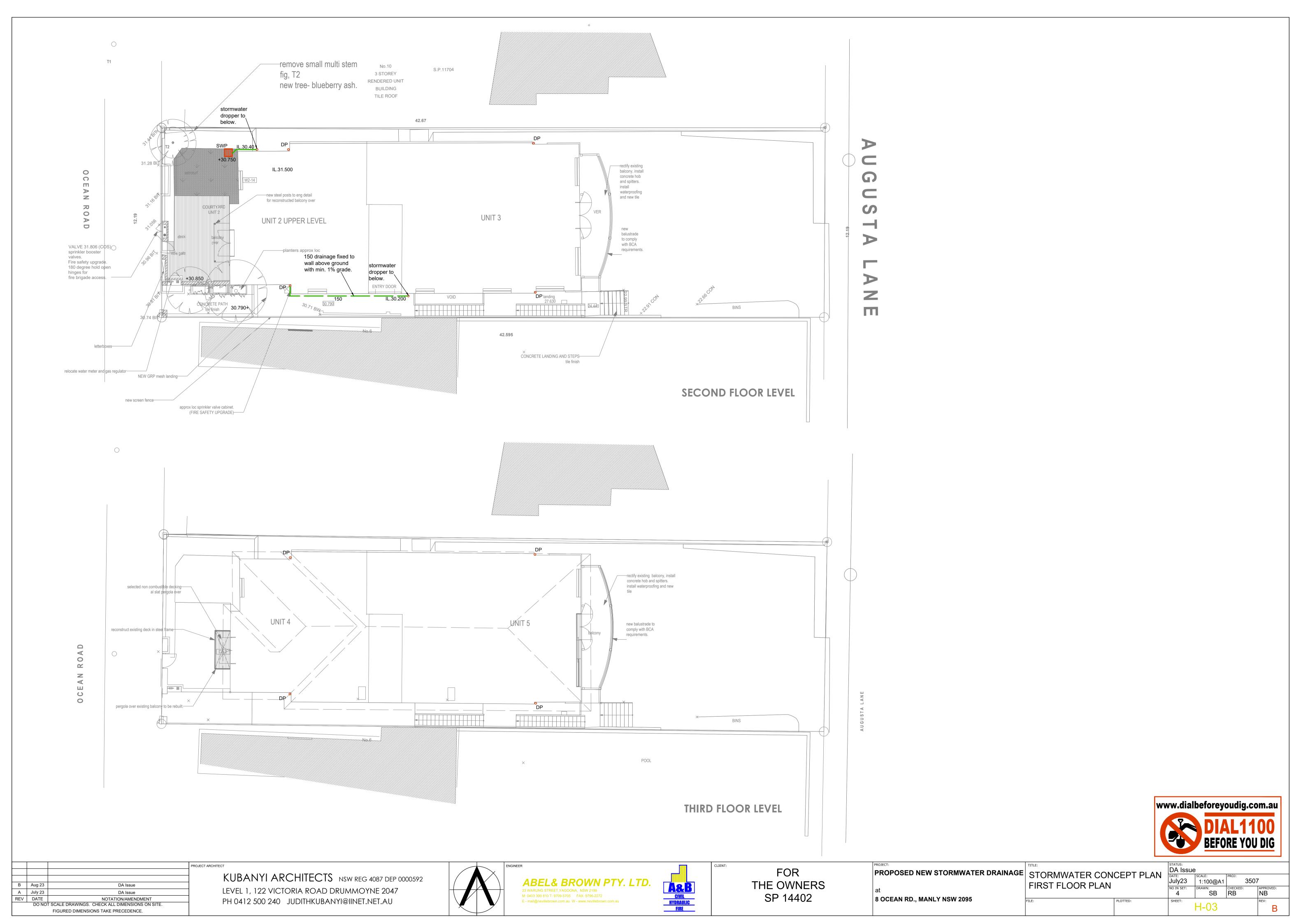
FOR THE OWNERS SP 14402

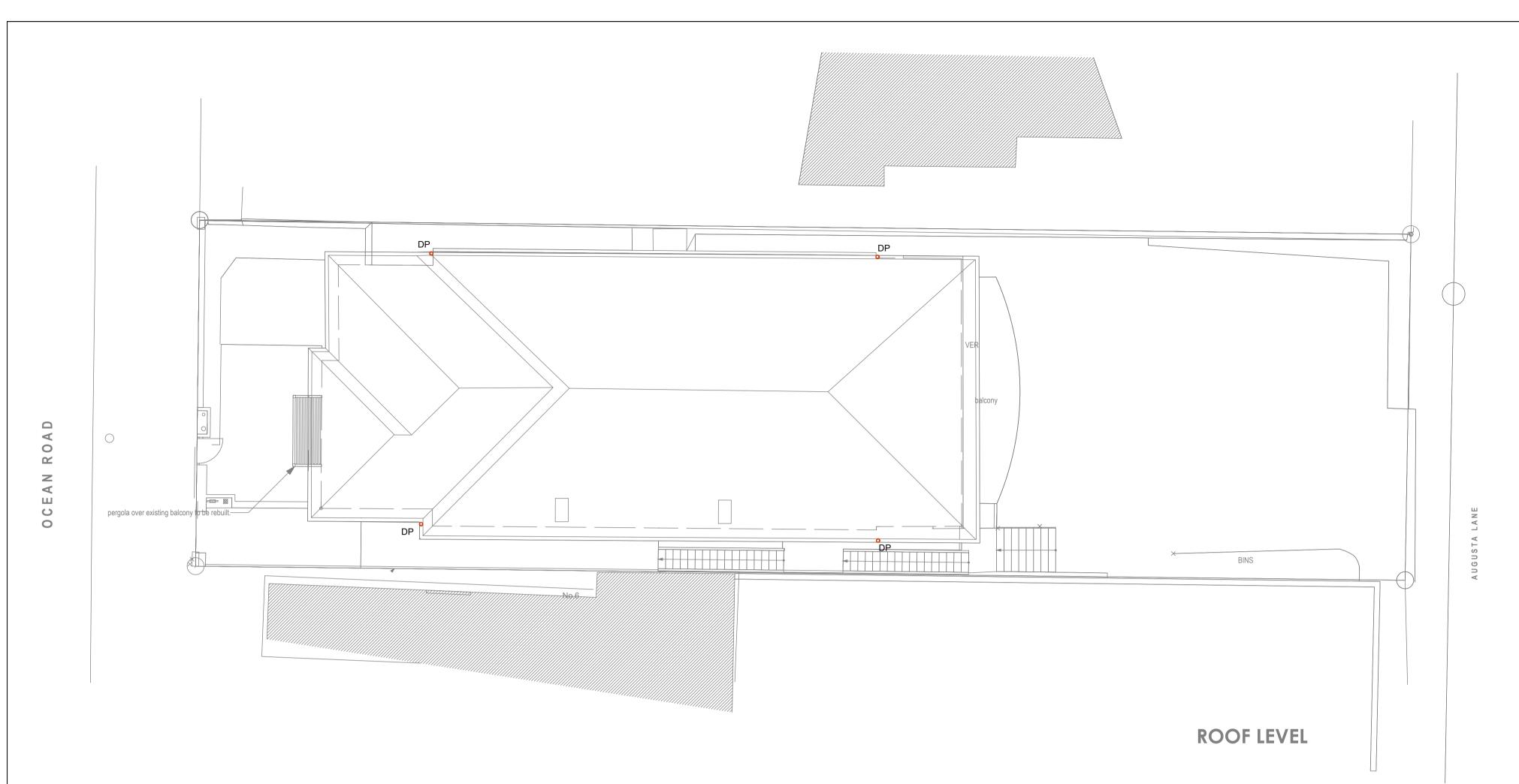
PROPOSED NEW STORMWATER DRAINAGE **8 OCEAN RD., MANLY NSW 2095** 

STORMWATER CONCEPT PLAN LEGEND & SERVICE NOTES



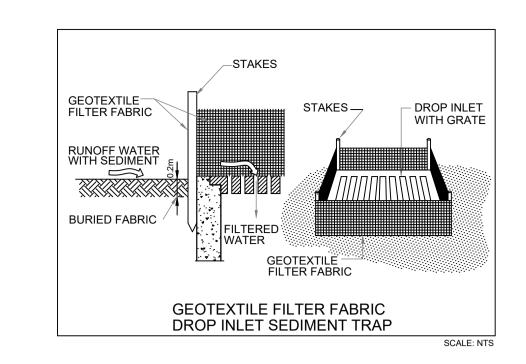


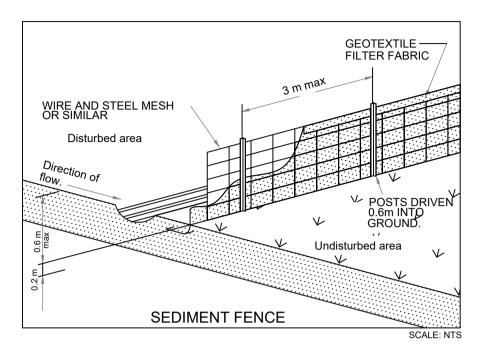




3mm stainless

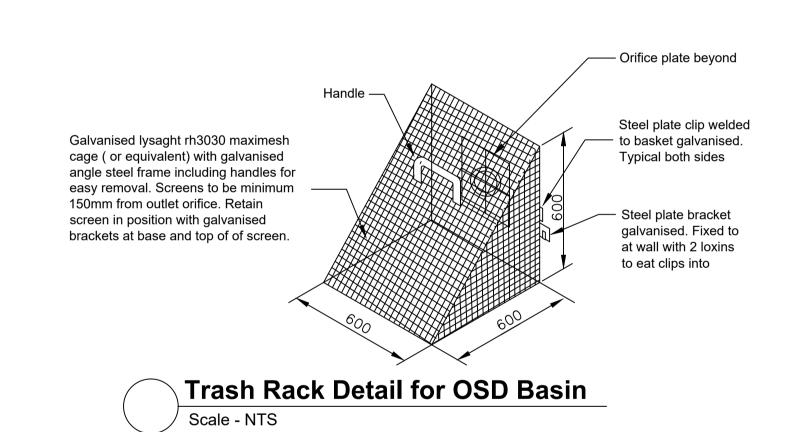
steel plate.

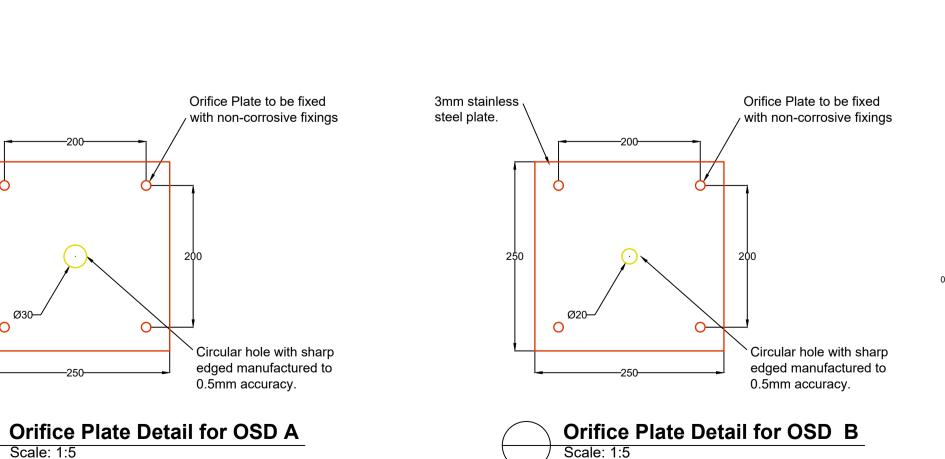




### **OSD Maintenance Requirements**

Maintenance Action	Frequency	Responsibility	Procedure				
Discharge Control Pit	, ,	, ,					
Inspect D walls for cracks or spalling	Annually	Maintenance Contractor	Remove grate to inspect internal walls. Repair as required. Clear vegetation from external walls and repair as required.				
Inspect D sump & remove any sediment	Six monthly	Owner	Remove grate and screen. Remove sediment and check orifice and flap valve are clear.				
Inspect grate for damage or blockage	Six monthly	Owner	Check both sides of the grate for corrosion, damage or blockage.				
Inspect return pipe from storage & remove 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 any sediment on upstream side of return line.				
Inspect outlet pipe & 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 on upstream side of outlet pipe.				
Check step irons for corrosion	Annually	Maintenance Contractor	Remove grate. Examine step irons and repair any corrosion or damage.				
Check fixing of step irons is secure	Six monthly	Maintenance Contractor	remove grate and ensure fixings are secure prior to placing weight on step irons.				
Storage							
Inspect return pit & remove any sediment in pit.	Annually	Maintenance Contractor	Remove Grate. Remove built up sediment.				
Inspect internal return pit walls for cracks or spalling	Annually	Maintenance Contractor	Remove grate to inspect internal walls. Repair as required. Clear vegetation from external walls and repair as required.				
Inspect and remove any debris blocking grates of pits.	Six monthly	Owner	Remove blockages from grate and check if pit is blocked.				





STANDARD
KNOCKOUTS FOR
PIPES TO 600 DIA.

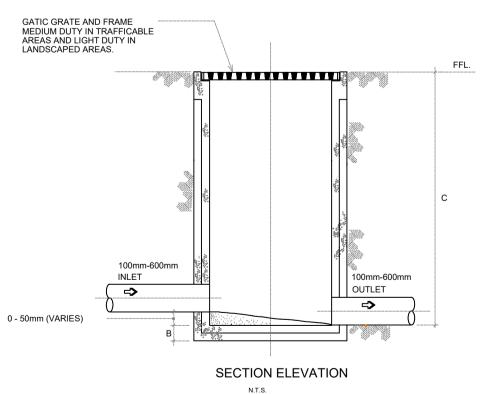
100mm-600mm
INLET

100mm-600mm
OUTLET

PLAN WITH COVER REMOVED

450,600 AND 900 SQ.

PRECAST CONCRETE STORMWATER SUMPS



Stormwater Pit Detail
Scale: nts

### Sediment & Erosion Control Notes

- 1. The contractor shall implement all soil erosion and sediment control measures relating to a particular upstream catchment prior to stripping of topsoil from that catchment. Where it is necessary to undertake stripping in order to construct a sediment control device only sufficient ground shall be stripped to allow construction.
- 2. All soil erosion and sediment control measures shall be constructed and maintained as indicated on these drawings. Location and extent of soil and water management devices is diagrammatic only.
- 3. Conformity with this plan shall in no way reduce the responsibility of the contractor to protect against water damage during the course of the contract. It shall be the contractors responsibility to ensure that any necessary control is in place even though such control may not be shown on the plan.
- 4. The contractor shall inform all subcontractors and all employees of their responsibility in minimising the potential for soil erosion and pollution to downstream areas.
- 5. The contractor shall regularly maintain sediment and erosion control structures and desilt such structures prior to the reduction in capacity of 30% due to accumulated silt. The sediment shall be disposed of on site in a manner approved by Penrith City Council Erosion and Sediment Control Policy.
- 6. Topsoil and spoil shall be stockpiled in non hazard areas and protected from surface runoff by diversion drains or similar. Stockpiles shall be surrounded on downstream sides by silt fencing. Stockpiles shall be suitable compacted to inhibit erosion. Where the stockpiling period exceeds four(4) weeks, the stockpile shall be seeded to encourage vegetation growth.
- 7. Topsoil shall be respread and stabilised as soon as possible.
- 8. The contractor shall temporarily rehabilitate within 40 days any disturbed areas. Where final shaping has occurred the contractor shall provide final rehabilitation within 20 days.
- 9. The contractor shall provide a turf strip behind all kerb and gutter at completion of footpath
- 10. The contractor shall maintain gross cover until all works have been completed, including the maintenance period, by frequent watering and mowing where required. Plant machinery and vehicles shall not be driven over grassed areas unless on an approved haulage route.
- 11. Seed mixtures and stabilisation procedures shall be in accordance with the NSW department of housing "Soil and water management for Urban Development ", January 1993 and construction specification.
- 12. The contractor shall provide inlet sediment traps at all pits during construction.
- 13. All drainage works shall be constructed and stabilised as quickly as possible to minimise risk of erosion.
- 14. Vehicular traffic shall be controlled during construction confining access where possible to proposed or existing road alignments plus 3 metres where necessary areas to be left undisturbed shall be marked off.
- 15. Site access shall be restricted to a nominated point. The construction of a shake down
- area may be required depending upon soil conditions.

16. The contractor shall maintain dust control throughout the duration of the project.

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DIAL1100
BEFORE YOU DIG

3507

PI	PROJECT ARCHITECT	ENGINEER		CLIENT:	PROJECT:	TITLE:		STATUS: DA Issue		
	KUBANYI ARCHITECTS NSW REG 4087 DEP 0000592	APEL & PROMINIETY LTD			PROPOSED NEW STORMWATER DRAINAGE	STORMWATER CONC	EPT PLAN	DATE: SCA	ALE: T	PROJ:
B Aug 23 DA Issue  A July 23 DA Issue	LEVEL 1, 122 VICTORIA ROAD DRUMMOYNE 2047	23 WARUNG STREET, YAGOONA, NSW 2199	A&B	THE OWNERS	at	DETAIL SHEET		NO IN SET: DR/	AWN:	CHECKED
REV DATE NOTATION/AMENDMENT  DO NOT SCALE DRAWINGS. CHECK ALL DIMENSIONS ON SITE.	PH 0412 500 240 JUDITHKUBANYI@IINET.NET.AU	M: 0403 390 810 T: 9709-5705 FAX: 9796-2272 E - mail@nevillebrown.com.au W - www.nevillebrown.com.au	CIVIL HYDRAULIC	SP 14402	8 OCEAN RD., MANLY NSW 2095	FILE: PLI	LOTTED:	SHEET:	1 U 4	<u> </u>
FIGURED DIMENSIONS TAKE PRECEDENCE.			<u> FIRE</u>						<i>I</i> -U4	