

LEGEND	
DP	1000 Downpipe
	Pipe flow direction
	Stormwater pipe line INTER-ALLOTMENT PIPE
	Stormwater pipe line SURFACE LINE 1500 UPVC @ 1% MIN.
	ROOFWATER DRAINAGE LINE SEALED CHARGE LINE 1000 UPVC
	Medium duty 200 wide trench grate
	Surface Grated inlet pit
	Existing Interallotment pit (Exist. Inter)
	Benchmark
	Natural Spot level
	RWT
	Rainwater tank to min. BASIX REQ.
	Sewer Man Hole
(A)	2m WIDE existing easement

PLAN NOTES:

All engineering plans are to be referred to and read in conjunction with the architectural and relevant plans. The engineering plans are based on the architectural plans by 'Dziner's Den Architects' with Drawing number: 15.003  
Dated: 03/07/2017

All works are to be in accordance with Penrith Council's Standard and Drawings, Design Guidelines and Work specifications.

Stated dimensions are to be prioritised over scaled dimensions for all drawings and sections

All drainage pipes shown are to be wholly within the property boundary unless through the drainage easement.

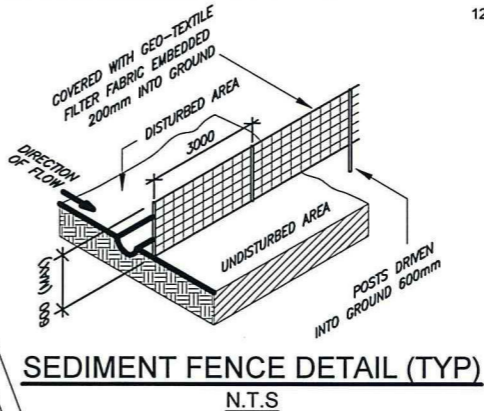
All retaining walls are to be waterproofed and constructed with 1000 agg lines at the base and connected to the nearest pit. Refer to architectural plans for retaining wall plan details.

STORMWATER NOTES

- ALL PIPES AND STORMWATER STRUCTURES SHALL BE IN STRICT ACCORDANCE WITH THE RELEVANT S.A.A. CODES FOR MATERIAL AND WORKMANSHIP AND TO THE RULES AND REGULATIONS OF THE LOCAL COUNCIL.
- THE DRAWINGS ARE DIAGRAMMATICAL AND SET-OUTS SHALL BE CHECKED WITH THE ARCHITECTURAL DRAWINGS.
- ALL LEVELS AND DIMENSIONS SHALL BE CHECKED ON SITE.
- PIPE MATERIALS INDICATED MAY BE ALTERED PROVIDED THEY COMPLY WITH THE REQUIREMENTS OF THE RELEVANT AUTHORITIES.
- GUTTERS AND DOWNPIPES SHALL BE IN STRICT ACCORDANCE WITH AS.2179 AND AS.2180. GUTTERS SHALL HAVE A MINIMUM EFFECTIVE CROSS-SECTIONAL AREA OF 7,500mm<sup>2</sup> AND 100 x 75 DOWNPIPES.
- STORMWATER PIPES UP TO AND INCLUDING 225 DIA. SHALL BE U.P.V.C. PIPES SEWER GRADE CONFORMING TO AS.1260 AND INSTALLED IN ACCORDANCE WITH AS.2032.
- ALL EXISTING SERVICES TO BE LOCATED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ANY COSTS INCURRED FOR ADJUSTMENT AND/OR RELOCATION OF SERVICES ARE TO BE BORNE BY THE APPLICANT.
- PROVIDE OVERLAND FLOW PATHS FROM ALL PITS.
- PROVIDE FENCE/BARRIER WHERE OPEN DROP OFFS EXCEED 500MM OR THE SPECIFIED DEPTH NOTED ON COUNCIL GUIDELINES (WHICHEVER IS LOWER).
- FOR CASES THAT INVOLVE ON-SITE DETENTION PROVIDE ON-SITE DETENTION/BASIN WARNING SIGN AS PER NOMINAL PROCEDURES.
- FOR CASES THAT INVOLVE ON-SITE DETENTION PROVIDE LANDSCAPED AREAS WITHIN THE OSD STORAGE AREAS ARE MULCHED WITH DECORATIVE ROCK MULCH (IE NON FLOATABLE)
- CARE IS TO BE TAKEN WHEN EXCAVATING OR FILLING WITHIN THE TREE PROTECTION ZONE (TPZ). RECOMMENDATIONS AND METHODS TO BE DETERMINED BY THE ARBORIST FOR CONSTRUCTION WITHIN THE TPZ.

SEDIMENTATION CONTROL NOTES

- ALL EROSION AND SEDIMENTATION CONTROL MEASURES, INCLUDING REVEGETATION AND STORAGE OF SOIL AND TOPSOIL, SHALL BE IMPLEMENTED TO THE STANDARDS OF THE SOIL CONSERVATION OF NSW.
- ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILIZED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
- SEDIMENT TRAPS SHALL BE CONSTRUCTED AROUND ALL INLET PITS, CONSISTING OF A 300mm WIDE x 300mm DEEP TRENCH.
- ALL SEDIMENT BASINS AND TRAPS SHALL BE CLEANED WHEN THE STRUCTURES ARE A MAXIMUM OF 60% FULL OF SOIL MATERIALS, INCLUDING THE MAINTENANCE PERIOD.
- ALL DISTURBED AREAS SHALL BE REVEGETATED AS SOON AS THE RELEVANT WORKS ARE COMPLETED.
- SOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREA WHERE WATER MAY CONCENTRATE.
- FILTER FENCE SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR APPROVED EQUIVALENT BETWEEN POSTS AT 2.0m CENTRES. FABRIC SHALL BE BURIED 150mm ALONG ITS LOWER EDGE.
- ALL HAY BALES SHALL BE BOUND WITH A WIRE. HAY BALES SHALL BE PLACES END TO END IN A SINGLE ROW AND EMBEDDED INTO THE SOIL TO A DEPTH OF 100mm. EACH BALE SHALL BE SECURELY ANCHORED WITH TWO STEEL STAKES DRIVEN 450mm INTO THE GROUND AND LOCATED ON THE BALE CENTRELINE.



RAINWATER HARVESTING NOTES

- RAINWATER FOR THE ONSITE STORM WATER HARVEST IS ONLY TO BE SOURCED FROM THE ROOF.
- AN APPROPRIATE BACK FLOW PREVENTION DEVICE IS TO BE INSTALLED IN ACCORDANCE WITH AS3500. FIRST FLUSH SYSTEM TO BE INCORPORATED.
- TANK TO BE CONNECTED FOR USE IN TOILET FLUSHING, IRRIGATION, LAUNDRY.
- THE REQUIRED PUMP IS NOT TO EXCEED 5DB[A] ABOVE AMBIENT BACKGROUND NOISE MEASURED AT THE NEAREST LOT BOUNDARY.

STORMWATER PLAN

1:200

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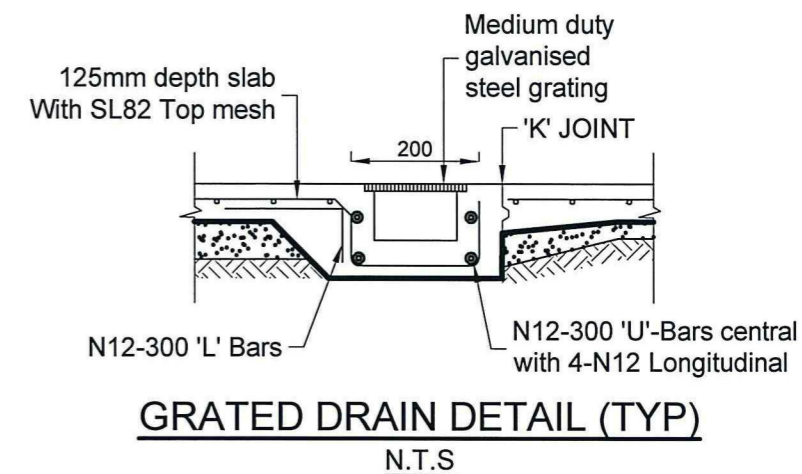
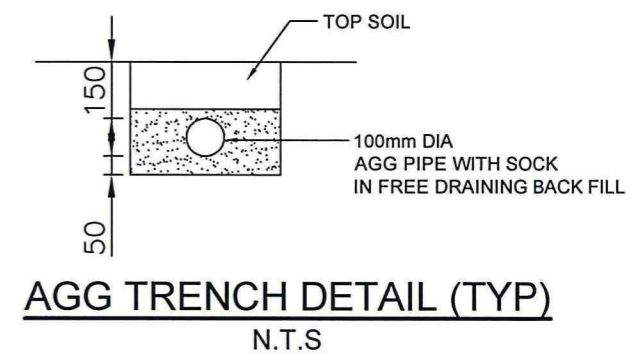
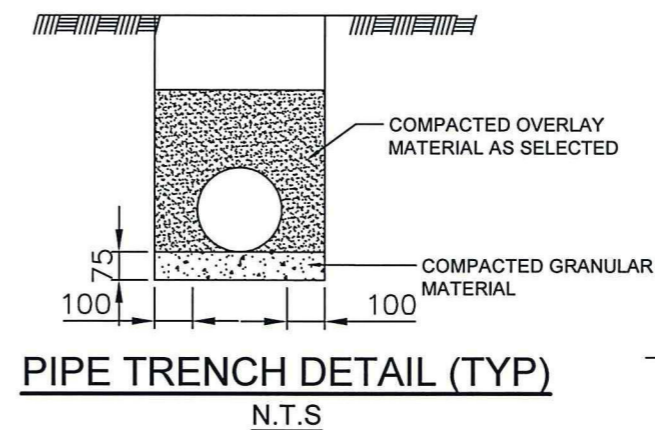
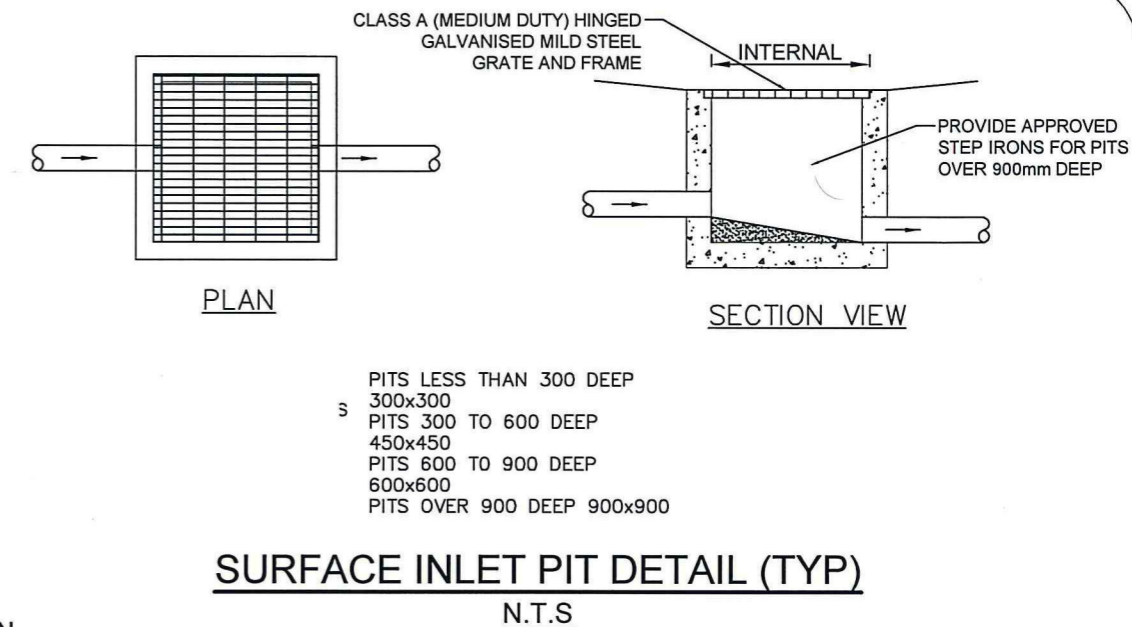
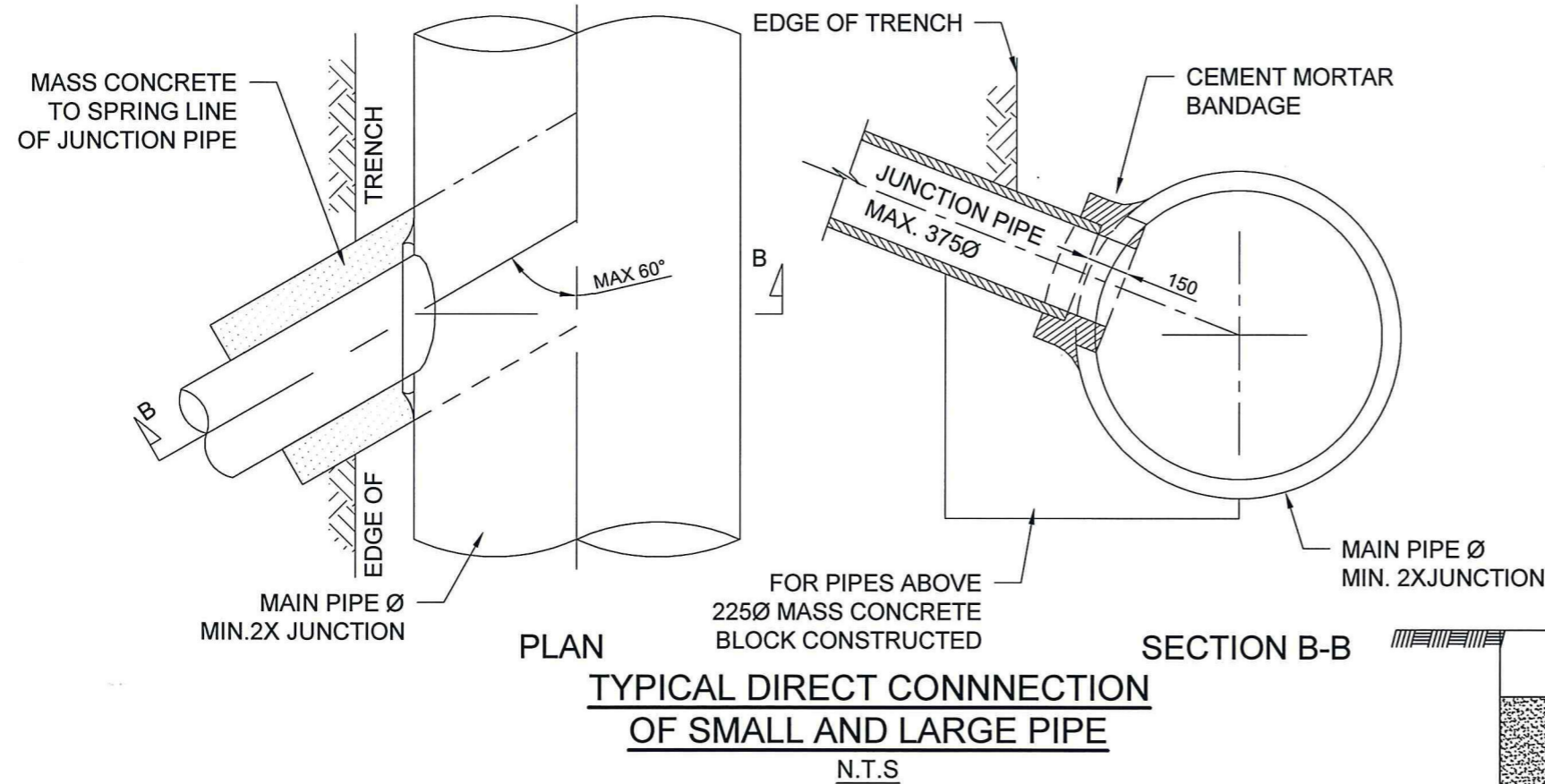
Project  
L3799 MATHEW BELL WAY  
JORDAN SPRINGS

Designed by  
PJM  
Drawn by  
DN  
Checked by  
Date  
08/08/2017

Title  
STORMWATER &  
SEDIMENTATION PLAN

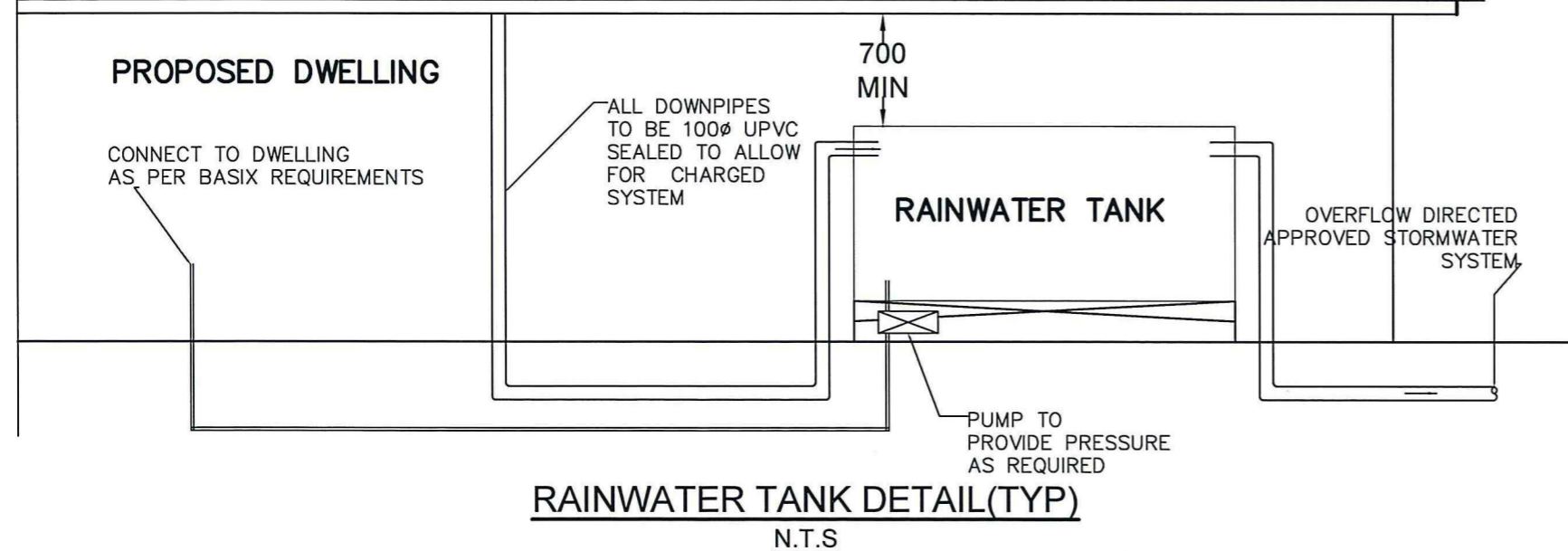
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STRUCTURAL DRAINAGE CIVIL



Note- [1] ALL DOWN PIPES TO BE 100ØPVC, SEALED TO ALLOW FOR CHARGED SYSTEM. TO RAINWATER TANK. THEN BY GRAVITY TO SITE OUTLET.

[2] ALL GUTTERS AND DOWNPIPES TO BE IN ACCORDANCE WITH SECTION 3.5.2 OF THE BCA.



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Project

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STORMWATER &  
SEDIMENTATION PLAN

Scale

N.T.S

Job No.

8395

Drawing No.

S2

Rev.

A