



STORMWATER PLAN

SCALE 1:200

STORMWATER NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH AS/NZS3500.3.
2. ALL PIPES TO HAVE A 1% MINIMUM FALL U.N.O.
3. ALL DOWNPIPES (DP) TO BE SPECIFIED BY ARCHITECT. FOR EXACT LOCATION OF DOWNPIPES, REFER TO ARCHITECTURAL DRAWINGS.
4. ALL PIPES TO BE UPVC U.N.O.
5. ALL UPVC PIPES TO BE SEWER GRADE AND TO AS/NZS1260 WITH THE FOLLOWING PIPE CLASSES U.N.O.:
100ø OR LESS TO BE CLASS 'SN10', 150ø AND ABOVE TO BE CLASS 'SN8'
6. ALL REINFORCED CONCRETE PIPES (RCP) TO BE SPIGOT AND SOCKET TYPE WITH RUBBER RINGS TO AS4058, CLASS 3 BENEATH TRAFFICABLE PAVEMENTS U.N.O., CLASS 4 UNDER HEAVY VEHICLE PAVEMENTS, CLASS 2 OTHERWISE.
7. PITS TO BE C&D REINFORCED PRE-CAST CONCRETE PITS OR EQUIVALENT PROPRIETARY PITS.
8. ALL LIDS AND GRATES TO BE PROPRIETARY HOT DIPPED GALVANISED U.N.O. LOCKABLE HEAVY DUTY CLASS 'D' IN AREAS OF VEHICULAR TRAFFIC AND CLASS 'B' ELSEWHERE, COMPLYING WITH RELEVANT COUNCIL AND AUSTRALIAN STANDARDS SPECIFICALLY AS3996.
9. ALL GRATED TRENCH DRAINS AND GRATED PITS TO BE CLASS 'B' HEEL SAFE WITHIN PEDESTRIAN PAVEMENTS
10. MINIMUM COVER TO STORMWATER PIPES TO BE AS FOLLOW U.N.O.:
LANDSCAPED AREAS - 300mm, SEALED ROADS/TRAFFICABLE AREAS - 600mm, UN-SEALED ROADS - 750mm.
PIPES TO BE CONCRETE ENCASED IF MINIMUM COVERS CANNOT BE OBTAINED, REFER TO MPC CONSULTING ENGINEERS FOR FURTHER ADVICE.
11. PROVIDE 100ø AG DRAINS IN FILTER SOCKS TO ALL LANDSCAPED AREAS, PLANTER BEDS AND STORMWATER PIPE TRENCHES.
12. ALL AG DRAINS TO BE BEDDED IN COARSE AGGREGATE AND TO BE CONNECTED TO STORMWATER SYSTEM U.N.O.
13. ALL PITS, DETENTION TANKS AND PROPRIETARY POLLUTION CONTROL DEVICES TO BE CLEANED OF SEDIMENT AT 3 MONTH MAXIMUM INTERVALS.
14. ALL EXISTING SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF WORK.
15. ANY FOOTPATHS, KERB AND GUTTER OR ROADWAY DISTURBED BY WORKS TO BE REINSTATED TO CURRENT COUNCIL REQUIREMENTS.
16. PROVIDE ACCESS LADDER TO TANK AS REQUIRED, REFER TO AS1657.

LEGEND

- DENOTES STORMWATER PIPE
- DENOTES EXISTING STORMWATER PIPE
- DENOTES EXISTING STORMWATER PIPE TO BE DECOMMISSIONED
- DENOTES EXISTING LEVEL
- DENOTES DESIGN SPOT LEVEL
- DENOTES EXISTING RETAINING WALL
- DENOTES DIRECTION OF SURFACE FLOWS

NOTE
DOWNPIPES TO HYDRAULIC ENGINEER
SPECIFICATION AND DETAILS

NOTE
EXISTING PAVING TO BE
REINSTATED AFTER NEW PIPES
HAVE BEEN INSTALLED

PROPOSED PIT SCHEDULE				
PIT No.	SIZE	TYPE	SURFACE LEVEL S.L.	INVERT LEVEL I.L.
P1	600x600	GRATED PIT	10.37	9.70
P2	600x600	GRATED PIT	9.80 (TBC)	9.00 (TBC)

EXISTING PIT SCHEDULE				
PIT No.	SIZE	TYPE	SURFACE LEVEL S.L.	INVERT LEVEL I.L.
STAGE 1				
1P4/36	600x600	GRATED PIT	10.37	9.15
1P5/36	600x600	GRATED PIT	8.80	8.00
1P1/37	600x600	GRATED PIT	10.37	9.92
1P2/37	600x600	GRATED PIT	10.37	9.73

STAGE 2				
2P8/1	600x600	GRATED PIT	10.40	9.90
2P9/1	900x900	GRATED PIT	10.40	9.80
2P5/2	900x900	GRATED PIT	10.40	9.70
2P1/36	600x600	GRATED PIT	10.30	9.85
2P2/36	600x600	GRATED PIT	10.375	9.67
2P3/36	900x900	GRATED PIT	10.30	9.49

STAGE 3				
3P3/105	450x450	GRATED PIT	10.95	10.42
3P4/105	450x450	GRATED PIT	10.40	9.90
3P5/105	450x450	GRATED PIT	10.30	9.77
3P1/106	450x450	GRATED PIT	10.70	10.27
3P1/109	450x450	GRATED PIT	10.60	10.13

STAGE 4				
4P8	600x600	GRATED PIT	10.30	9.85
4P9	600x600	GRATED PIT	10.40	9.70

NOT FOR CONSTRUCTION

				© Copyright MPC Consulting Engineers as date of issue		COPYRIGHT		CLIENT		PROJECT		DO NOT SCALE DRAWING		
				THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ENDORSED BELOW		The concepts and information contained in this document are the copyright of MPC Consulting Engineers Use or copying of the document in whole or in part without the written permission of MPC Consulting Engineers constitutes an infringement of copyright.		CATHOLIC SCHOOLS OFFICE		CATHERINE MCAULEY CATHOLIC COLLEGE AT; LOT 412, DP 106902, No.507 MEDOWIE ROAD, MEDOWIE				
2	TENDER	30.8.24					Level 1, 16 Telford Street, NEWCASTLE EAST, NSW 2300 PO BOX 871 NEWCASTLE, NSW 2300 Tel: (02) 4927 5566 Email: admin@mpceng.com.au Web: www.mpceng.com.au A.C.N. 670 257 315		TITLE COLA STORMWATER PLAN		DRAWN C.H.		ENGINEER M.G.	
1	PRELIMINARY TENDER	16.8.24									No in SET 8		SHEET A1	
0	50% CLIENT REVIEW	26.7.24									JOB No 240379		DRAWING No C01.00	
ISSUE		REASON FOR ISSUE		DATE	DATE OF RELEASE	RESPONSIBLE PRINCIPAL SIGNATURE		ISSUE		ISSUE		2		



Level 1,
16 Telford Street,
NEWCASTLE EAST, NSW 2300
PO BOX 871
NEWCASTLE, NSW 2300
Tel: (02) 4927 5566
Email: admin@mpceng.com.au
Web: www.mpceng.com.au
A.C.N. 670 257 315

TITLE
COLA
STORMWATER PLAN