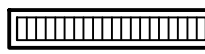
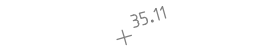
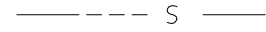
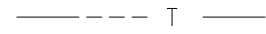
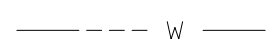
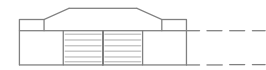


COMMERCIAL OFFICES & STUDENT ACCOMMODATION

CIVIL DESIGN

No. 100005

DRAINAGE LEGEND		
SYMBOL	DESCRIPTION	TYPE - COMMENTS
* RL35.40	DESIGN SPOT LEVEL	
	PROPOSED DOWN PIPE	150ø
	PROPOSED VERTICAL DROP	375ø PVC
 GL 35.05 IL34.75	DRAINAGE PIT NOTATION AND LEVELS	PITS 1-6 - 260x260 CONCRETE INSITU PITS 7 - TO RTA STANDARD DETAILS PITS 8-... - RELN SERIES 250 PVP PIT
	PROPOSED SURFACE INLET PIT	
	PROPOSED SOLID COVER PIT	
	PROPOSED BALCONY DRAINAGE OUTLET	WATTS RD. 100, C/P15 (347mm x347mm)
	PROPOSED 300mm WIDE GRATED DRAIN	
	PROPOSED KERB INLET PIT, IN ACCORDANCE WITH COUNCIL SPECIFICATIONS	
	PROPOSED STORMWATER DRAINAGE LINE SLUING UNDER SLAB	
	PROPOSED STORMWATER DRAINAGE LINE IN PLANTER	150ø PVC
	PROPOSED STORMWATER DRAINAGE LINE IN GROUND	
	EXISTING SURVEY CONTOUR	
	EXISTING SURFACE LEVEL	
	EXISTING SEWER LINE	
	EXISTING TELSTRA LINE	
	EXISTING Ø100mm C/C/L WATER MAIN	
	EXISTING STORMWATER PIPE AND PIT	

GENERAL

1. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE SPEC.
2. ALL DRAWINGS SHOULD BE READ IN CONJUNCTION WITH THE RELEVANT
ARCHITECTURAL DRAWINGS & DRAWINGS FROM OTHER CONSULTANTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCREPANCIES ON THE DRAWINGS TO
THE ENGINEER RESPONSIBLE FOR THE DESIGN.
4. THE CONTRACTOR SHOULD LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO
COMMENCING ANY WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCREPANCIES
WITH THE RELEVANT AUTHORITY TO RELOCATE AND/OR ADJUST IF NECESSARY.
5. INFORMATION GIVEN ON THE DRAWINGS IN RESPECT TO SERVICES IS FOR GUIDANCE
ONLY AND IS NOT TO BE RELIED UPON.
6. CONTRACTOR IS NOT TO ENTER UPON NOR DO ANY WORK WITH ADJACENT
LANDS WITHOUT THE PERMISSION OF THE OWNER.
7. SURF OF EXCAVATED MATERIAL SHALL BE PLACED WHERE DIRECTED OR REMOVED
FROM SITE.
8. ALL NEW WORKS SHALL MAKE A SMOOTH JOINT WITH EXISTING.
9. ALL DRAWINGS AND SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE
EASEMENTS CONFORMING TO COUNCIL'S STANDARDS.

SURVEY

1. JONES NICHOLSON IS NOT RESPONSIBLE FOR THE ACCURACY OF ANY SURVEY INFORMATION PROVIDED ON THIS DRAWING.
2. ALL LEVELS ARE TO A.H.D.
3. ALL CHAINAGES AND LEVELS ARE IN METRES, AND DIMENSIONS IN MILLIMETRES.
4. THE SURVEY INFORMATION ON THIS DRAWING HAS BEEN PROVIDED BY LAWRENCE GROUP SURVEYORS & DEVELOPMENT CONSULTANTS. DRAWING NUMBER DETL-001/C

STORMWATER DRAINAGE

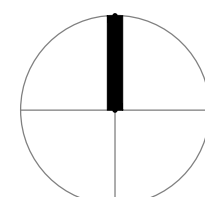
- STORMWATER DRAINAGE SHALL BE GENERALLY IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARDS AND COUNCIL'S SPECIFICATION.
1. PIPES OF 150mm DIA. AND LARGER SHALL BE PVC OR CONCRETE CLASS 2 TO AS 348, RUBBER JOINT UNJOINED.
2. PIPES OF 300mm DIA. AND LARGER SHALL BE FOR CONCRETE CLASS 2 TO AS 348, RUBBER JOINT UNJOINED.
3. ALL PIPES SHALL BE LAPPED AT THE GRADES INDICATED ON THE DRAWINGS.
4. MINIMUM COVER TO PIPES 300mm DIA. AND OVER GENERALLY SHALL BE 450mm IN UNDISTURBED SOIL.
5. BACKFILL TRENCHES WITH APPROVED FILL, SUCH AS SANDY LOAM, COMPACTED IN 200mm LAYERS TO 8% OF STANDARD DENSITY.
6. ALL PIPES SHALL BE PROTECTED WITH 150mm DIA. RIGID BACKFILL AT ALL JOINTS.
7. PITS SHALL BE AS DETAILED WITH METAL GRATES AT LEVELS INDICATED. ALL PITS SHALL BE 1000mm DIA. MINIMUM.
8. BUILD UP STREETFACE FILL TO PIPES TO A 3:1 SLOPE. LAY FALLING TO PITS TO MATCH PIT DEPTH.
9. ALL PITS TO BE REACHED TO HALF PIPE SECTION.
10. ALL COURTYARD & LANDSCAPED PITS TO BE 450mm UNLESS NOTED OTHERWISE.
11. ALL DRAINWAY 800D PITS TO BE 600mm SQUARE.
12. INSTALL INTERMEDIATE SEDIMENT BARRIERS TO NINE PITS, TO COUNCIL'S SATISFACTION, WITH SURROUNDING GRASS OR GRASS/SHRUB COVER.
13. PITS & DOWNPIPE LOCATIONS AND LEVELS MAY BE VARED TO SUIT SITE CONDITIONS AFTER CONSULTING THE ENGINEER.
14. ALL DOWNPIPES TO BE 150mm DIA. WITH 150mm GRATE. ROOT GUARDING AND DOWNPIPES TO THE CURRENT AUSTRALIAN STANDARDS.
15. USE DECATIVAT 5/4mm DIA. WITH 150mm GRATE. ROOT GUARDS.
16. FOOTPATH CROSSING LEVELS SHOWN ARE TO BE ADJUSTED TO FINAL COUNCIL'S ISSUED LEVELS.
17. ALL DOWNPIPES AND FITTINGS SHALL BE PERFORATED PLASTIC TO AS 2439 PART 1. LAY PIPS ON FLOOR OF TRENCH GRADED 1% AND OVERLAY WITH FILTER FABRIC. FILTER FABRIC SHALL BE 100% POLYPROPYLENE OR 100% POLYESTER FABRIC OF PERMEABLE POLYPROPYLENE BETWEEN FILTER MATERIAL AND TOPSOIL.

3	10.09.10	DWS	ISSUED FOR DA										
2	09.09.10	DWS	ISSUED FOR DA										
1	25.02.10	DWS	ISSUED FOR DA										
AMDT	DATE	BY	DESCRIPTION	AMDT	DATE	BY	DESCRIPTION	AMDT	DATE	BY	DESCRIPTION	AMDT	DATE

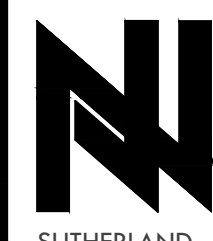
CIVIL

STRUCTURAL

BUILDING SERVICES



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CONSULTING ENGINEERS

BROTHERTON 6677, SPRINGFIELD 6678, HEMLOCK 6679
BROTHERTON 6680, HEMLOCK 6681, HEMLOCK 6682

Ph. (02) 4328-3088
Fax. (02) 4328-3086

WOLLONGONG GOLD COAST GOLDBURN PICTON

DESIGN : F.K.
DRAWN : DWS
DATE : FEB 10
DRG SIZE : B1
SCALE : 1:100
PROJECT MGR : F.K.

CIVIL DESIGN NOTES & LEGEND

COMMERCIAL OFFICES AND
STUDENT ACCOMMODATION
157-163 CLEVELAND ST
CHIPPENDALE NSW 2008
Hudson Square

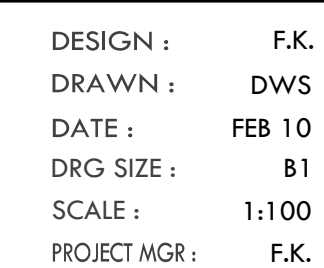
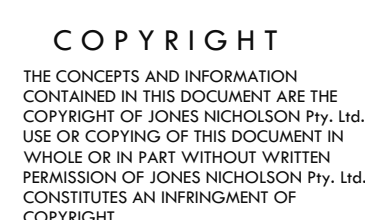
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NOT TO BE USED FOR
CONSTRUCTION





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