- GENERAL NOTES
- G1. THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL DRAWINGS AND SPECIFICATIONS AND OTHER WRITTEN INSTRUCTIONS THAT MAY BE ISSUED. G2. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING FROM THE DRAWINGS. REFER
- ARCHITECTS DRAWINGS FOR ALL DIMENSIONS. G3. REFER ANY DISCREPANCY TO THE ENGINEER/ARCHITECT.
- G4. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE APPROPRIATE SAA SPECIFICATIONS OR CODE AND WITH THE REQUIREMENTS OF THE RELEVANT LOCAL AUTHORITY.
- G5. THE ALIGNMENT AND LEVEL OF ALL SERVICES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL CONFIRM THE POSITION AND LEVEL OF ALL SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DAMAGE TO SERVICES SHALL BE RECTIFIED AT THE CONTRACTORS EXPENSE.
- G6. NO WORKS ARE TO COMMENCE UNTIL THE REQUIRED TREE REMOVAL PERMITS HAVE BEEN GRANTED BY RELEVANT LOCAL AUTHORITY, AND THE APPROPRIATE NOTICE OF INTENTION TO COMMENCE GIVEN.
- G7. ALL SERVICES, OR CONDUITS FOR SERVICING SHALL BE INSTALLED PRIOR TO
- COMMENCEMENT OF PAVEMENT CONSTRUCTION. G8. SUBSOIL DRAINAGE, COMPRISING 100 AGRICULTURE PIPE IN GEO-STOCKING TO BE PLACED AS SHOWN AND AS MAY BE DIRECTED BY THE SUPERINTENDENT. SUBSOIL DRAINAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT LOCAL AUTHORITY CONSTRUCTION SPECIFICATION.
- G9. NO WORK IS PERMITTED WITHIN ADJOINING PROPERTIES WITHOUT WRITTEN PERMISSION FROM THE OWNERS OR RESPONSIBLE AUTHORITY.

DRAINAGE NOTES

- D1. ALL DRAINAGE OUTLET LEVELS SHALL BE CONFIRMED ON SITE, PRIOR TO CONSTRUCTION COMMENCING.
- D2. ALL PIPES WITHIN THE PROPERTY TO BE MIN. 100 DIA UPVC @ 1% MIN. GRADE, UNO. D3. ALL PITS WITHIN THE PROPERTY ARE TO BE FITTED WITH "WELDLOK" OR APPROVED EQUIVALENT GRATES:
- LIGHT DUTY FOR LANDSCAPED AREAS - HEAVY DUTY WHERE SUBJECTED TO VEHICULAR TRAFFIC
- D4. PITS WITHIN THE PROPERTY MAY BE CONSTRUCTED AS: 1) PRECAST STORMWATER PITS
- 2) CAST INSITU MASS CONCRETE
- 3) CEMENT RENDERED 230mm BRICKWORK SUBJECT TO THE RELEVANT LOCAL AUTHORITY CONSTRUCTION SPECIFICATION. D5. ENSURE ALL GRATES TO PITS ARE SET BELOW FINISHED SURFACE LEVEL WITHIN THE PROPERTY. TOP OF PIT RL'S ARE APPROXIMATE ONLY AND MAY BE VARIED SUBJECT TO
- APPROVAL OF THE ENGINEER. ALL INVERT LEVELS ARE TO BE ACHIEVED. D6. ANY PIPES BENEATH RELEVANT LOCAL AUTHORITY ROAD TO BE RUBBER RING JOINTED RCP, UNO.
- D7. ALL PITS IN ROADWAYS ARE TO BE FITTED WITH HEAVY DUTY GRATES WITH LOCKING BOLTS AND CONTINUOUS HINGE.
- D8. PROVIDE STEP IRONS TO STORMWATER PITS GREATER THAN 1200 IN DEPTH. D9. TRENCH BACK FILL IN ROADWAYS SHALL COMPRISE SHARP, CLEAN GRANULAR BACK FILL IN ACCORDANCE WITH THE RELEVANT LOCAL AUTHORITY SPECIFICATION TO NON-TRAFFICABLE AREAS TO BE COMPACTED BY RODDING AND TAMPING USING A FLAT PLATE VIBRATOR.
- D10. WHERE A HIGH EARLY DISCHARGE (HED) PIT IS PROVIDED ALL PIPES ARE TO BE CONNECTED TO THE HED PIT, UNO.
- D11. DOWN PIPES SHALL BE A MINIMUM OF DN100 SW GRADE UPVC OR 100X100
- COLORBOND/ZINCALUME STEEL, UNO. D12. COLORBOND OR ZINCALUME STEEL BOX GUTTERS SHALL BE A MINIMUM OF 450 WIDE X 150 DEEP.
- D13. EAVES GUTTERS SHALL BE A MINIMUM OF 125 WIDE X 100 DEEP (OR OF EQUIVALENT AREA) COLORBOND OR ZINCALUME STEEL, UNO.
- D14. SUBSOIL DRAINAGE SHALL BE PROVIDED TO ALL RETAINING WALLS & EMBANKMENTS, WITH THE LINES FEEDING INTO THE STORMWATER DRAINAGE SYSTEM, UNO.

EARTHWORKS NOTES

- E1. THE EARTHWORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT.
- E2. THE SITE OF THE WORKS SHALL BE PREPARED BY STRIPPING ALL EXISTING TOPSOIL, FILL AND VEGETATION.
- E3. SUBGRADE SHALL BE COMPACTED UNTIL A DRY DENSITY HAS BEEN ACHIEVED OF NOT LESS THAN 100% OF THE STANDARD MAXIMUM DRY DENSITY WHEN TESTED IN ACCORDANCE WITH AS 1289 TESTS E.1.1. OR E.1.2.
- E4. THE EXPOSED SUBGRADE SHOULD BE PROOF ROLLED TO DETECT ANY SOFT OR WET AREAS WHICH SHOULD BE LOCALLY EXCAVATED AND BACK FILLED WITH SELECTED MATERIAL
- E5. THE BACK FILLING MATERIAL SHALL BE IMPORTED GRANULAR FILL OF LOW PLASTICITY, PREFERABLY CRUSHED SANDSTONE, AND TO BE PLACED IN LAYERS NOT EXCEEDING 150 LOOSE THICKNESS AND COMPACTED TO 98% OF STANDARD DRY DENSITY AT A MOISTURE CONTENT WITHIN 2% OF OPTIMUM
- SITE WORKS ARE TO BE BATTERED TO ADJACENT PROPERTY LEVELS.
- STORMWATER MUST NOT BE CONCENTRATED ON TO AN ADJACENT PROPERTY. E8. AT NO TIME DURING OR AFTER CONSTRUCTION IS STORMWATER TO BE PONDED ON ADJOINING PROPERTIES.
- E9. THE SITE SHALL BE GRADED AND DRAINED SO THAT STORMWATER WILL BE DIRECTED AWAY FROM THE BUILDING PLATFORM.
- E10. STORMWATER DRAINAGE SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION. ALL STORMWATER RUNOFF SHALL BE GRADED AWAY FROM THE SITE WORKS AND DISPOSED OF VIA SURFACE CATCHDRAINS AND STORMWATER
- COLLECTION PITS. E11. ALL SURFACE CATCH DRAINS SHALL BE GRADED AT 1% (1 IN 100) MINIMUM. THE GROUND SHALL GRADE AWAY FROM ANY DWELLING AT 5% (1 IN 20) FOR THE FIRST METRE THEN AT
- 2.5% (1 IN 40). E12. WHERE A CUT FILL PLATFORM IS USED THERE SHALL BE A MINIMUM BERM 1000 WIDE TO THE PERIMETER OF THE SITE WORKS WHICH SHALL BE SUPPORTED BY BATTERS OF 3:1 IN
- FILL. E13. ANY VERTICAL OR NEAR VERTICAL PERMANENT EXCAVATION (CUT) DEEPER THAN 600 IN MATERIAL OTHER THAN ROCK SHALL BE ADEQUATELY RETAINED OR BATTERED AT A
- MINIMUM OF 3:1. E14. WHERE BATTERS CANNOT BE PROVIDED TO SUPPORT THE CUT OR FILL, THEY SHALL BE ADEQUATELY RETAINED.
- E15. RETAINING WALLS ARE TO BE CONSTRUCTED WITH ADEQUATE SUBSOIL DRAINAGE.

- CONCRETE PAVEMENT
- C1. SUBGRADE SHALL BE PREPARED AS OUTLINED IN EARTHWORKS. C2. PROVIDE JOINTING AT MINIMUM 6000 MAX. INTERVALS OR AS OTHERWISE SPECIFIE DRAWINGS.
- C3. CONCRETE SHALL COMPRISE A MIN. COMPRESSIVE STRENGTH OF 32MPa AT 28 DAY ACCORDANCE WITH THE RELEVANT LOCAL AUTHORITY SPECIFICATION, UNO.
- C4. ANY SUB-BASE MATERIAL SHALL BE COMPACTED AS OUTLINED IN EARTHWORKS. C5. CONCRETE KERB AND GUTTER SHALL COMPRISE A MINIMUM COMPRESSIVE STREN 25MPa, UNO.
- C6. CONCRETE WORKS ARE TO BE CURED BY ONE OF THE FOLLOWING MEANS: i) WETTING TWICE DAILY FOR THE FIRST THREE DAYS; ii) USING AN APPROVED CURING COMPOUNDED FOR A MINIMUM OF 7 DAYS COMME IMMEDIATELY AFTER POURING.

FLEXIBLE PAVEMENT NOTES

- F1. SUBGRADE SHALL BE PREPARED AS OUTLINED IN EARTHWORKS. F2. PAVEMENT MATERIAL SHALL CONSIST OF APPROVED OR RIPPED SANDSTONE, NATU GRAVEL OR FINE CRUSH ROCK AS PER THE RELEVANT COUNCIL AUTHORITY SPECIFICATION.
- F3. PAVEMENT MATERIALS SHALL BE SPREAD IN LAYERS NOT EXCEEDING 150 AND NOT COMPACTED THICKNESS.
- F4. PAVEMENT MATERIALS SHALL BE SIZED AND OF A STANDARD OUTLINED IN AS1141 F5. CRUSHED OR RIPPED SANDSTONE SHALL BE MINUS 75 NOMINAL SIZE DERIVED FRC SOUND, CLEAN SANDSTONE FREE FROM OVERBURDEN, CLAY SEAMS, SHALE AND (DELETERIOUS MATERIAL.
- F6. PAVEMENT MATERIALS SHALL BE COMPACTED BY SUITABLE MEANS TO SATISFY THE FOLLOWING MINIMUM SPECIFICATIONS (AS PER AS1289.2)

DESC	RIPTION	MEDIUM DENSITY F	RATIO
SUB-B	ASE	98% MOD	
BASE	COURSE	98% MOD	

ASPHALTIC CONCRETE 97% MOD AND SUBJECT TO THE RELEVANT LOCAL AUTHORITY CONSTRUCTION SPECIFICATION

F7. TESTING FOR EACH LAYER SHALL BE UNDERTAKEN BY A N.A.T.A. REGISTERED LABORATORY IN ACCORDANCE WITH AS1289, AT NOT MORE THAN 50m INTERVALS MINIMUM OF TWO PER LAYER. FURTHER FREQUENCY OF TESTING SHALL BE NO LE THAT REQUIRED BY AS3978.

PAVED AREAS NOTES

- A1. SUBGRADE SHALL BE PREPARED AS OUTLINED IN EARTHWORKS.
- A2. ALL PAVERS ARE TO BE PLACED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION.
- A3. TRAFFICABLE AREAS: SUB-BASE TO BE 150 COMPACTED THICKNESS DGS75.
 - SUB-BASE TO BE SUITABLY COMPACTED TO MEDIUM DENSITY 98% MOD. SUB-BASE TO EXTEND AT LEAST 200 BEYOND PAVED SURFACE. PAVERS TO BE 80 THICK INTERLOCKING PAVERS ON 50 SAND BEDDING.
- A4. NON TRAFFICABLE AREAS: SUB BASE AS PER TRAFFICABLE AREAS PAVERS TO BE 60 INTERLOCKING PAVERS ON 50 SAND BEDDING (UNO)
- **EROSION AND SEDIMENT NOTES**
- THIS PLAN TO BE READ IN CONJUNCTION WITH EROSION AND SEDIMENT CONTROL AS ATTACHED. B2. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL
- MEASURES AS NECESSARY AND TO THE SATISFACTION OF THE RELEVANT LOCAL AUTHORITY PRIOR TO THE COMMENCEMENT OF AND DURING CONSTRUCTION. NO DISTURBANCE TO THE SITE SHALL BE PERMITTED OTHER THAN IN THE IMMEDIATE THE WORKS AND NO MATERIAL SHALL BE REMOVED FROM THE SITE WITHOUT THE RELEVANT LOCAL AUTHORITY APPROVAL. ALL EROSION AND SEDIMENT CONTROL TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH STANDARDS OUTLINED DEPARTMENT OF HOUSING'S "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTIONS".
- B3. TOPSOIL SHALL BE STRIPPED AND STOCKPILED OUTSIDE HAZARD AREAS SUCH AS DRAINAGE LINES. THIS TOPSOIL SHALL BE RESPREAD LATER ON AREAS TO BE REVEGETATED AND STABILISED ONLY, (I.E. ALL FOOTPATHS, BATTERS, SITE REGAR AREAS, BASINS AND CATCHDRAINS). TOPSOIL SHALL NOT BE RESPREAD ON ANY OT AREAS UNLESS SPECIFICALLY INSTRUCTED BY THE SUPERINTENDENT. IF THEY ARE REMAIN FOR LONGER THAN ONE MONTH STOCKPILES SHALL BE PROTECTED FROM EROSION BY COVERING THEM WITH A MULCH AND HYDROSEEDING AND, IF NECESS LOCATING BANKS OR DRAINS DOWNSTREAM OF A STOCKPILE TO RETARD SILT LAD RUNOFF.
- B4. THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL EROSION AND SEDIMENT CON DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES SUCH THAT MORI 60% OF THEIR CAPACITY IS LOST. ALL THE SILT IS TO BE PLACED OUTSIDE THE LIM WORKS. THE PERIOD FOR MAINTAINING THESE DEVICES SHALL BE AT LEAST UNTIL DISTURBED AREAS ARE REVEGETATED AND FURTHER AS MAY BE DIRECTED BY TH SUPERINTENDENT OR COUNCIL.
- B5. LAY TURF STRIP (MIN 300 WIDE) ON 100 TOPSOIL BEHIND ALL KERB WITH 1000 LONG RETURNS EVERY 6000 AND AROUND STRUCTURES IMMEDIATELY AFTER BACKFILLIN
- PER THE RELEVANT LOCAL AUTHORITY SPECIFICATION. B6. THE CONTRACTOR SHALL GRASS SEED ALL DISTURBED AREAS WITH AN APPROVE
- SOON AS PRACTICABLE AFTER COMPLETION OF EARTHWORKS AND REGRADING. VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING CONSTRUCTION CONFINING
- WHERE POSSIBLE TO NOMINATED STABILISED ACCESS POINTS. WHEN ANY DEVICES ARE TO BE HANDED OVER TO COUNCIL THEY SHALL BE IN CLE
- STABLE CONDITION. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL BY REGULAR WETTING DOW
- NOT SATURATING) DISTURBED AREA. B10. PROVIDE AND MAINTAIN SILT TRAPS AROUND ALL SURFACE INLET PITS UNTIL CATC
- IS REVEGETATED OR PAVED. REVEGETATE ALL TRENCHES IMMEDIATELY UPON COMPLETION OF BACKFILLING. B12. ALL DRAINAGE PIPE INLETS TO BE CAPPED UNTIL:
- DOWNPIPES CONNECTED - PITS CONSTRUCTED AND PROTECTED WITH SILT BARRIER

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D	ISSUE FOR DA - AS PER REVISED ARCHITECHURAL PLANS	04-04-2016		OF ALPHA ENGINEERING & DEVELOPMENT	
С	UPDATED AS PER REVISED ARCHITECHURAL PLANS	09-11-2015		AND MAY NOT BE ALTERED IN ANY WAY	
В	ISSUED FOR DA APPROVAL	20-04-2015			
А	ISSUED FOR COORDINATION	13-04-2015		WITHOUT ALPHA ENGINEERING'S	
REVISION	AMENDMENT	ISSUE DATE	ISSUE	WRITTEN CONSENT	

PROPOSED DEVELOPMENT 1188-1200 CANTERBURY ROAD, ROSELANDS, NSW

STORMWATER PLANS

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		180	240 / 7	0	150 / 45	400 / 6	60 1	50 / 45	
		240	270 / 8	0	170 / 55	450 / 7	0 1	70 / 50	
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MASONRY

- M1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3700.
- M2. THE DESIGN STRENGTH OF MASONRY SHALL BE AS FOLLOWS U.N.O.

EXPOSURE	MASONRY	MASONRY SALT	DURABILITY	MORTAR MIX	
CLASSIFICATION	COMPRESSIV	E RESISTANCE	CLASSIFICATION	GP PORTLAND	
T0 AS 3600	STRENGTH	GRADE	OF BUILT IN	CEMENT : LIME :	
	MPa (f'm)		COMPONENTS	SAND	
A1 / A2	> 6.3	General Purpose	R3 (Galvanised)	1.0 : 1.0 : 6.0	
B1	> 6.3	General Purpose	R3 (Galvanised)	1.0 : 1.0 : 6.0	
B2	> 6.7	Exposure	R4 (Stainless)	1.0 : 0.5 : 4.5	

- M3. ALL MASONRY WALLS SUPPORTING SLABS AND BEAMS SHALL HAVE A PRE-GREASED TWO LAYER GALVANISED STEEL SLIP JOINT BETWEEN CONCRETE AND MASONRY.
- M4. ALL MASONRY WALLS SUPPORTING OR SUPPORTED BY CONCRETE FLOORS SHALL BE PROVIDED WITH VERTICAL JOINTS TO MATCH ANY CONTROL JOINTS IN THE CONCRETE.
- M5. NON LOAD BEARING WALLS SHALL BE SEPARATED FROM CONCRETE ABOVE BY 20 mm THICK CLOSED CELL POLYETHYLENE STRIP.
- M6. MASONRY SHALL BE ARTICULATED IN ACCORDANCE WITH TECHNICAL NOTE 61 FROM THE CEMENT AND CONCRETE ASSOCIATION OF AUSTRALIA. VERTICAL CONTROL JOINTS SHALL NOT EXCEED 5 METRES MAXIMUM CENTRES, AND 4 METRES MAXIMUM FROM CORNERS IN MASONRY WALLS, AND **BETWEEN NEW & EXISTING BRICKWORK.**
- M7. MASONARY RETAINING WALLS ARE TO BE BACKFILLED WITH EITHER OF THE FOLLOWING MATERIAL - COARSE GRAINED SOIL WITH LOW SILT CONTENT - RESIDUAL SOIL CONTAINING STONES
 - FINE SILTY SAND - GRANULAR MATERIALS WITH LOW CLAY CONTENT

BLOCKWORK

- B1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3700.
- B2. REINFORCED CONCRETE BLOCKWORK SHALL COMPLY WITH THE FOLLOWING, UNO: - BLOCKS : GRADE 15 CONFORMING TO AS1500. - MORTAR : 1 CEMENT / 0.25 LIME / 3 SAND. - PROVIDE CLEANOUT HOLES AT BASE OF WALL & ROD CORE HOLES TO REMOVE PROTRUDING MORTAR FINS. - CORE FILLING : f'c = 20 MPa, 10 AGG, 230 SLUMP +/- 30 mm.
- B3. BACKFILL TO RETAINING WALLS TO BE FREE DRAINING GRANULAR MATERIAL, UNO. PROVIDE SUBSOIL DRAIN BEHIND WALL AND AT WEEP HOLES.
- B4. VERTICAL CONTROL JOINTS SHALL BE PROVIDED AT 10 m MAX. CENTRES.

- COVER : 55 mm MIN. FROM OUTSIDE OF BLOCKWORK.

35. NO ADMIXTURES SHALL BE USED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.



PROPOSED DEVELOPMENT 1188-1200 CANTERBURY ROAD ROSELANDS, NSW

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ENGINEERING & DEVELOPMENT

CLIENT

SCHEDULE OF DRAWINGS

f'c MPa 2.8 2.8 2.8

SHEET No	DESCRIPTION
COVER	GENERAL NOTES
SW01	SEDIMENT AND EROSION CONTROL PLAN
SW02	BASEMENTS DRAINAGE PLAN
SW03	GROUND FLOOR DRAINAGE PLAN
SW04	LEVEL 1 AND LEVEL 3 DRAINAGE PLAN
SW05	LEVEL 4 AND LEVEL 5 DRAINAGE PLAN
SW06	LEVEL 6 AND LEVEL 7 DRAINAGE PLAN
SW07	ROOF DRAINAGE PLAN
SW08	STORMWATER SECTIONS AND DETAILS

CONCEPT PLAN ONLY

PROJECT

DRAWING TITLE **GENERAL NOTES**

SCALES AS SHOWN DRAWING NO. A5255 - COVER

DESIGNED ZK APPROVED JM

DRAFTED SS REVISION D



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				THIS DRAWING REMAINS THE PROPERTY	
D	ISSUE FOR DA - AS PER REVISED ARCHITECHURAL PLANS	04-04-2016		OF ALPHA ENGINEERING & DEVELOPMENT	
С	UPDATED AS PER REVISED ARCHITECHURAL PLANS	09-11-2015		AND MAY NOT BE ALTERED IN ANY WAY	
В	ISSUED FOR DA APPROVAL	20-04-2015			
А	ISSUED FOR COORDINATION	13-04-2015		WITHOUT ALPHA ENGINEERING S	
REVISION	AMENDMENT	ISSUE DATE	ISSUE	WRITTEN CONSENT	

SEDIMENT AND EROSION CONTROL NOTES

SEDIMENT AND EROSION CONTROL SHALL BE EFFECTIVELY MAINTAINED AT ALL TIMES DURING THE COURSE OF CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL THE SITE HAS BEEN STABILISED OR LANDSCAPED TO THE SUPERINTENDENT'S SATISFACTION.

A SINGLE ALL WEATHER ACCESS WAY WILL BE PROVIDED AT THE FRONT OF THE PROPERTY CONSISTING OF 50-75 AGGREGATE OR SIMILAR MATERIAL AT A MINIMUM THICKNESS OF 150 LAID OVER NEEDLE-PUNCHED GEOTEXTILE FABRIC AND CONSTRUCTED PRIOR TO

COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL ENSURE THAT NO SPOIL OR FILL ENCROACHES UPON ADJACENT AREAS FOR THE DURATION OF WORKS.

THE CONTRACTOR SHALL ENSURE THAT KERB INLETS AND DRAINS RECEIVING STORMWATER SHALL BE PROTECTED AT ALL TIMES DURING DEVELOPMENT. KERB INLET SEDIMENT TRAPS SHALL BE INSTALLED ALONG THE IMMEDIATE VICINITY ALONG THE STREET FRONTAGE. SEDIMENT FENCING SHALL BE SECURED BY POST (WHERE METAL STAR PICKETS ARE USED PLASTIC SAFETY CAPS SHALL BE USED) AT 2000 INTERVALS WITH GEOTEXTILE FABRIC EMBEDDED 200 IN SOIL.

ALL TOPSOIL STRIPPED FROM THE SITE AND STOCKPILED DOES NOT INTERFERE WITH DRAINAGE LINES AND STORMWATER INLETS AND WILL BE SUITABLY COVERED WITH AN IMPERVIOUS MEMBRANE MATERIAL AND SCREENED BY SEDIMENT FENCING.

PRIOR TO COMMENCEMENT OF CONSTRUCTION PROVIDE 'SEDIMENT FENCE,' 'SEDIMENT TRAP' AND WASHOUT AREA TO ENSURE THE CAPTURE OF WATER BORNE MATERIAL GENERATED FROM THE SITE. MAINTAIN THE ABOVE DURING THE COURSE OF CONSTRUCTION, AND CLEAR THE 'SEDIMENT TRAP AFTER EACH STORM. SEDIMENT TRAP

1000 x 1000 WIDE 500 DEEP PIT, LOCATED AT THE LOWEST POINT TO THE TRAP SEDIMENT.

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PROPOSEI 1188-1200 CANTERBL ROSELAN

CONCEPT PLAN ONLY

JECT	DRAWING TITLE							
D DEVELOPMENT	SEDIMENT AND EROSION CONTROL PLAN							
JRY ROAD	SCALES AS SHOWN	DESIGNED	DRAFTED					
DS, NSW	DRAWING NO. A5255 - SW01	APPROVED JM	REVISION D					



FG = FLOOR GULLY Ø150 S = RAINWATER SPREADER 100.00 = PROPOSED FINISHED SURFACE LEVEL

PROPOSED DEVELOPMENT CANTERBURY ROSELANDS, N

						PU	MP	STC	RA	GE I	REQ	UIR	EM	ENT	F	Project:	RESII)ENTIA	AL DEV	ELOP	MENT
															J	ob No:	A5255				
Area Dra	ining	to Pu	mp Sys	stem =	50	m ²									Lo	cation:	1188 (ANTE	RBURY	r RD	
Duration	1 Yr	Q1	V1	2 Yr	Q2	V2	5 Yr	Q5	V5	10 Yr	Q10	V10	20 Yr	Q20	V20	50 Yr	Q50	LAND V50	100 Yr	Q100	V100
6 min	103.3	1.4	0.5	100	1.4	0.5	127	1.8	0.6	142	2.0	0.7	163	2.3	0.8	189	2.6	0.9	243	3.4	1.2
7 min 8 min	96.96 91.8	1.3	0.6	94 90	1.3	0.6	120 114	1.7	0.7	134 127	1.9	0.8	154 146	2.1	0.9	179 170	2.5	1.0	231 220	3.2	1.3
9 min	87.45	1.2	0.7	86	1.2	0.6	108	1.5	0.8	122	1.7	0.9	139	1.9	1.0	162	2.2	1.2	211	2.9	1.6
10 min	83.7	1.2	0.7	82	1.1	0.7	104	1.4	0.9	116	1.6	1.0	133	1.8	1.1	155	2.1	1.3	203	2.8	1.7
12 min	77.44	1.1	0.7	79	1.1	0.7	96	1.4	1.0	108	1.0	1.1	120	1.0	1.2	149	2.1	1.4	189	2.7	1.0
13 min	74.79	1.0	0.8	73	1.0	0.8	93	1.3	1.0	104	1.4	1.1	119	1.6	1.3	138	1.9	1.5	183	2.5	2.0
14 min 15 min	72.37	1.0	0.8	71	1.0	0.8	90 87	1.2	1.0	100 97	1.4	1.2	115	1.6	1.3	134	1.9	1.6	178	2.5	2.1
16 min	68.13	0.9	0.9	66	0.9	0.9	84	1.2	1.1	94	1.4	1.2	108	1.5	1.4	125	1.7	1.7	168	2.4	2.2
17 min	66.24	0.9	0.9	65	0.9	0.9	82	1.1	1.2	92	1.3	1.3	105	1.5	1.5	120	1.7	1.7	164	2.3	2.3
18 min 20 min	64.49 61	0.9	1.0	63 60	0.9	0.9	80 76	1.1	1.2	89 85	1.2	1.3	102 97	1.4	1.5	119	1.6	1.8	160 152	2.2	2.4
25 min	42	0.6	0.9	53	0.7	1.1	68	0.9	1.4	76	1.1	1.6	87	1.2	1.8	101	1.4	2.1	138	1.9	2.9
30 min	38	0.5	0.9	49	0.7	1.2	62	0.9	1.5	69	1.0	1.7	79	1.1	2.0	92	1.3	2.3	127	1.8	3.2
35 min 40 min	35 32	0.5	1.0	45	0.6	1.3	57	0.8	1.7	64 59	0.9	1.9	73 68	1.0	2.1	84 79	1.2	2.5	117	1.6	3.4
45 min	30	0.4	1.1	39	0.5	1.5	49	0.7	1.9	55	0.8	2.0	63	0.9	2.4	74	1.0	2.8	104	1.4	3.9
50 min	29	0.4	1.2	37	0.5	1.5	47	0.6	1.9	52	0.7	2.2	60	0.8	2.5	69	1.0	2.9	98	1.4	4.1
55 min 60 min	27	0.4	1.2	35	0.5	1.6	44	0.6	2.0	49	0.7	2.3	56 54	0.8	2.6	66 63	0.9	3.0	94	1.3	4.3
75 min	20	0.4	1.4	29	0.4	1.8	37	0.5	2.3	41	0.6	2.6	47	0.7	2.9	55	0.8	3.4	78	1.1	4.9
90 min	20	0.3	1.5	26	0.4	1.9	33	0.5	2.5	37	0.5	2.8	42	0.6	3.2	49	0.7	3.7	69	1.0	5.2
2 hr 3 hr	17 13	0.2	1.7	21	0.3	2.1	27	0.4	2.7	31 24	0.4	3.1	36 28	0.5	3.6	42 33	0.6	4.2 4 9	57	0.8	5.7
4 hr	11	0.2	2.1	14	0.2	2.7	18	0.2	3.5	20	0.3	4.0	23	0.4	4.7	27	0.4	5.5	36	0.5	7.3
5 hr	9	0.1	2.3	12	0.2	3.0	15	0.2	3.9	18	0.2	4.4	20	0.3	5.1	24	0.3	6.0	32	0.4	7.9
6 hr 8 hr	8	0.1	2.4	10	0.1	3.1	14	0.2	4.1	16	0.2	4.7	18	0.3	5.5	21	0.3	6.4	28	0.4	8.4
10 hr	6	0.1	2.7	8	0.1	3.8	10	0.2	5.0	11	0.2	5.7	13	0.2	6.7	16	0.3	7.2	20	0.3	10.0
12 hr	5	0.1	3.1	7	0.1	4.0	9	0.1	5.3	10	0.1	6.1	12	0.2	7.2	14	0.2	8.5	18	0.2	10.6
14 hr	5	0.1	3.3	6	0.1	4.3	8	0.1	5.7	9	0.1	6.5	11	0.2	7.6	13	0.2	9.1	16	0.2	11.3
18 hr	4	0.1	3.4	5	0.1	4.5	7	0.1	6.3	8	0.1	7.2	9	0.1	8.4	12	0.2	9.0	14	0.2	12.5
20 hr	4	0.1	3.7	5	0.1	4.9	7	0.1	6.5	8	0.1	7.5	9	0.1	8.8	11	0.1	10.5	13	0.2	13.0
22 hr 24 hr	4	0.0	3.9	5	0.1	5.1	6	0.1	6.8	7	0.1	7.8	8	0.1	9.2	10	0.1	10.9	12	0.2	13.4
24 m 36 hr	3	0.0	4.6	3	0.0	6.0	5	0.1	8.2	5	0.1	9.4	6	0.1	11.1	7	0.1	13.3	9	0.2	16.1
48 hr	2	0.0	5.1	3	0.0	6.6	4	0.1	9.0	4	0.1	10.4	5	0.1	12.3	6	0.1	14.7	7	0.1	17.8
60 hr 72 hr	2	0.0	5.4	2	0.0	7.1	3	0.0	9.6	4	0.1	11.2	4	0.1	13.2	5	0.1	15.8	6	0.1	19.0
Required P	∠ ump Dis	charge	5.7	2	0.0	7.5	5	0.0	10.2	5	0.0	11.0	4	0.1	15.5	5	0.1	10.7	0	0.1	13.3
Volume of T	fotal Sto	orage																			
		S T > >	STA HE PU PUMI A LOV LEVE REG/ A SE ABOV DRAI	ANI JMP (PUMF PS TC W LE EL IS I ARD T CONE /E TH N THI	DA DUT S D HAV VEL F MAIN ⁻ THIS F D FLO IE MII E TAN	RD Syste (E AN CLOAT FLOAT SLOAT SIMUI	P PI EM SH EQU SHA EQ WI SHA ED WI T WIL HALL M WA O THE	HALL ROGR AL OI AL BE THIN L FUI BE P TER LEVE	BE D AMM PERA PERA PERA THE NCTIC ROVI LEVE	ESIGI ED TO TION VIDE SUMF DN AS DED / L, WH	D WO LOAI D WO LOAI D TO P ARE S AN C AT A I HEREI LOW	DE RK AI D AND ENS A OF DFF S HIGHI BY OF	SIC OPE DPUN URE THE SWITC ER LE NE OF	SN RATE NATIV /IP LIF THAT BELO CH FO CH F	D IN ELY S E. THE I W GF R THE APPR PUMI	DTE THE I SO AS MININ ROUN E PUI ROXIN PS W	ES FOLLO S TO MUM I ID TA MPS. MATE ILL O	OWIN ALLO REQU NK. IN LY 30 PER/	IG MA IVV BC IIRED N THIS Omm ATE A	NNEF DTH WAT S ND	R:-
		>	REGA A SEC ABOV DRAI A THI	ARD 1 CONE /E TH N THI IRD F	THIS F D FLO IE MII E TAN LOAT	FLOA AT SI NIMUI NK TC SHA	T WIL HALL M WA D THE LL BE	L FUI BE P TER LEVE	NCTIO ROVI LEVE EL OF VIDE	DN AS DED / L, WF THE D AT	S AN (AT A I IEREI LOW A HIC	DFF S HIGHI BY Of -LEVE GH LE	WITC ER LE NE OF EL FLO VEL,	CH FOI EVEL, A F THE OAT. WHIC	r the Appr Pum H IS A	E PUI XOXIN PS W	MPS. MATE ILL O	LY 30 PERA IATEL		NI	C

PUMP THAT IS NOT OPERATING AND ACTIVATE THE ALARM. > AN ALARM SYSTEM SHALL BE PROVIDED WITH A FLASHING STROBE LIGHT AND A PUMP FAILURE WARNING SIGN WHICH ARE TO BE LOCATED AT THE DRIVEWAY ENTRANCE TO THE BASEMENT LEVEL. THE ALARM SYSTEM SHALL BE PROVIDED WITH A BATTERY BACK-UP IN CASE OF POWER FAILURE.

PUMP OUT PIT NOTE:

AUDIBLE & FLASHING ALARM SHALL BE POSITIONED

& A FLASHING LIGHT AT EACH COMMON ENTRANCE TO THE CARPARK AREA IN THE CASE OF PUMP FAILURE.

AT THE FIRST FLOOR LEVEL OF EACH COMMON STARIWAY

BASEMENT 1 DRAINAGE PLAN

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO. DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN

= 300SQ. FLOOR OUTLET , REFER TO DETAIL

CONCEPT PLAN ONLY

BASEMENTS DRAINAGE PLAN

DRAWING TITLE

ROAD	SCALES AS SHOWN	DESIGNED	DRAFTED
NSW	DRAWING NO.	APPROVED	REVISION
	A5255 - SW02	JM	D



Level	36.95	37.26	37.57	37.88	38.2	(Designed)		98.97			
Area	1	31.47	94.4	125.88	125.87	Design Pas	ses				
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D	1991								04-04-2016		OF ALPHA ENGINEERING & DEVELOPMENT
0	1550										
C		UPDA	IED AS	PER REV	/ISED A	RCHITECH	HURA	AL PLAN	S 09-11-2015		AND MAY NOT BE ALTERED IN ANY WAY
В			15	SSUED F	OR DA A	APPROVA	L		20-04-2015		
٨			10						12.04.2015		WITHOUT ALPHA ENGINEERING'S
A			13	SUED FU		RUINATIC	JIN		13-04-2015		
				Δ Ν /		NIT					WRITTEN CONSENT
				AIV					1330E DATE	1330E	

230.04

Actual Flow

Stage 5 Total Volume CUM

Designer	Zi a Khorram	Pho	ne: 0403 33	3873	Fax	1300792652	
SITE:	1188-1200 CAN	TERBURY	⁽ <i>RD</i>)	STORM:	10	Year ARI	
Total Area	4117	Aimp	3877	A imp by	400	QHED	61 76
PSD I/s/h	150	Apery	240	A perv by	40	Q Driv	46.32
Q Max	61.76	% imp	0.94	% imp	0.91	Q Land.	46.32
Max Head	1.25	C	0.86	C	0.86	QBelow	37.05
Duration	Intensity	Bupoff	Leakage	Storage	Storage	Storage	Storage
mins	mm/hr			HED I	Driv		Below I
5	173.47	56653	5470	43596	48228	48228	51007
6	163.20	63958	6175	47902	53460	53460	56795
7	154.60	70686	6825	51574	58058	58058	61949
8	147.24	76938	7429	54725	62135	62135	66582
9	140.82	82781	7993	57427	65764	65764	70766
10	13515	88276	8523	59746	69010	69010	74568
11	130.10	93475	9025	61742	71932	71932	78046
12	125.54	98399	9501	63436	74552	74552	81221
13	121.42	103100	9955	64886	76928	76928	84154
14	117.65	107584	10388	66097	79066	79066	86847
15	114.19	111878	10802	67101	80996	80996	89333
16	111.00	116003	11201	67919	82740	82740	91633
17	108.04	119966	11583	68560	84307	84307	93756
18	105.29	123790	11953	69047	85721	85721	95725
20	100.33	131065	12655	69614	88141	88141	99256
25	90.28	147420	14234	69022	92180	92180	106075
30	82.57	161797	15622	66260	94050	94050	110724
35	76.41	174681	16866	61861	94283	94283	113735
40	71.34	186389	17997	56173	93226	93226	115458
45	67.09	197195	19040	49497	91182	91182	116192
50	63.46	207251	20011	41997	88313	88313	116103
55	60.31	216660	20920	33788	84736	84736	115304
60	57.55	225540	21777	24999	80578	80578	113926
75	50.09	245380	23693	-8825	60649	60649	102334
90	44.65	262476	25343	-45657	37712	37712	87734
120	37.16	291262	28123	-125252	-14093	-14093	52603
180	28.59	336134	32455	-298364	-131626	-131626	-31583
240	23.72	371837	35903	-481533	-259215	-259215	-125824
300	20.53	402287	38843	-670460	-392562	-392562	-225824
Storage I	Required CUN	1		69.6	94.3	94.3	116.2
						Outlet Control	
N	lass Curve Ar	nalysis - A	verage Dis	charge		Orifice Plate	0.163
		-	•	•		Q Max	61.76
						Q Design	59.60
						Head	1.25
						Diam	0.139
1400	00					K	0.00015
- 1200			_			Actual Q	58.78
a 1000		BBBBB				Wais Decise	
₩ 100 ±		_		High E	ED	weir Design	100
≝ 400	000 + 🜌	- - -		- Drive	wav	ARI	100

Wass	Curve Analysis - Average Dise	charge	Orifice Plate	0.163
			Q Max	61.76
			Q Design	59.60
			Head	1.25
			Diam	0.139
140000 -			К	0.00015
G 120000 +			Actual Q	58.78
80000			Weir Design	
			ARI	100
20000 -		Driveway	Intensity	257.98
		—∎— Landscape	% imp	1.04
-20000 μ -40000 μ	50 100	Below	С	1.08
-60000 1	•		Design Flow	256.88
	Duration (minutes)		Depth	0.10
	Duration (minutes)		Length	5 42

Stage 3

Stage 4

Stage 2

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

- DP = Ø150, UNO.
- FO = 300SQ. FLOOR OUTLET , REFER TO DETAIL SIP = SURFACE INLET PIT (NO LINTEL)
- 100Ø = Ø100 CHARGED LINE
- IP = Ø150 INSPECTION POINT
- RWH = RAIN WATER HEAD RWO = RAIN WATER OUTLET (300×300)
- FG = FLOOR GULLY Ø150
- $S \prod_{n=1}^{DP} = RAINWATER SPREADER$ 100.00 = PROPOSED FINISHED SURFACE LEVEL



CLIENT

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Phone (02) 9745 2014 Fax (02) 9745 0984

Email info@urbanlink.com.au

PROJECT

PROPOSED DEVELOPMENT 1188-1200 CANTERBURY ROSELANDS,

′ ROAD	SCALES AS SHOWN		DESIGNED	DRAFTED
NSW	DRAWING NO. A5255 -	SW03	APPROVED JM	REVISION D

CONCEPT PLAN ONLY

DRAWING TITLE

GROUND FLOOR DRAINAGE PLAN



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В	ISSUED FOR DA APPROVAL	20-04-2015			
А	ISSUED FOR COORDINATION	13-04-2015		WITHOUT ALPHA ENGINEERING S	
REVISION	AMENDMENT	ISSUE DATE	ISSUE	WRITTEN CONSENT	

1:200 ON A1

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH) STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO. FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER SIZE = 6700 mm² MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

USED: DP = Ø150, UNO.



USED: DP FO SIP IP 100.00

PROJECT PROPOSED DEVELOPMENT 1188-1200 CANTERBURY ROAD ROSELANDS, NSW







Email info@urbanlink.com.au

LEVEL 1 DRAINAGE PLAN

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN

FO = 300SQ. FLOOR OUTLET , REFER TO DETAIL

SIP = SURFACE INLET PIT (NO LINTEL)

100Ø = Ø100 CHARGED LINE IP = Ø150 INSPECTION POINT

RWH = RAIN WATER HEAD

RWO = RAIN WATER OUTLET (300×300)

FG = FLOOR GULLY Ø150

S = RAINWATER SPREADER 100.00 = PROPOSED FINISHED SURFACE LEVEL

LEVEL 3 FLOOR DRAINAGE

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH) STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO. FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER SIZE = 6700 mm² MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN

= Ø150, UNO.

= 300SQ. FLOOR OUTLET , REFER TO DETAIL

= SURFACE INLET PIT (NO LINTEL)

100Ø = Ø100 CHARGED LINE = Ø150 INSPECTION POINT

RWH = RAIN WATER HEAD

RWO = RAIN WATER OUTLET (300 x 300) BCDP = FLOOR GULLY Ø150

= RAINWATER SPREADER = PROPOSED FINISHED SURFACE LEVEL

CONCEPT PLAN ONLY

DRAWING TITLE LEVEL 1 AND LEVEL 3

DRAINAGE PLAN SCALES DESIGNED DRAFTED AS SHOWN ΖK APPROVED REVISION DRAWING NO. JM A5255 - SW04

SS

D





1:200 ON A1

USED:



PROJ

PROPOSED 1188-1200 CANTERBU ROSELAND



LEVEL 4 DRAINAGE PLAN

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH) STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO. FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER SIZE = 6700 mm² MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN

- DP = Ø150, UNO.
- FO = 300SQ. FLOOR OUTLET , REFER TO DETAIL SIP = SURFACE INLET PIT (NO LINTEL)
- 100Ø = Ø100 CHARGED LINE
- IP = Ø150 INSPECTION POINT RWH = RAIN WATER HEAD
- RWO = RAIN WATER OUTLET (300×300)
- FG = FLOOR GULLY Ø150
- S = RAINWATER SPREADER 100.00 = PROPOSED FINISHED SURFACE LEVEL

LEVEL 5 FLOOR DRAINAGE PLAN

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH) STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO. FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER SIZE = 6700 mm² MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN

= Ø150, UNO.

1:200 ON A1

USED:

DP

SIP

- FO = 300SQ. FLOOR OUTLET , REFER TO DETAIL
- = SURFACE INLET PIT (NO LINTEL) 100Ø = Ø100 CHARGED LINE
- IP = Ø150 INSPECTION POINT
- RWH = RAIN WATER HEAD RWO = RAIN WATER OUTLET (300 x 300) **5G**^{DP} = FLOOR GULLY Ø150
- 100.00
 - = RAINWATER SPREADER = PROPOSED FINISHED SURFACE LEVEL

CONCEPT PLAN ONLY

JECT	DRAWING TITLE				
D DEVELOPMENT	LEVEL 4 AND LEVEL 5 DRAINAGE PLAN				
JRY ROAD	SCALES AS SHOWN	DESIGNED	DRAFTED		
	DRAWING NO.	APPROVED	REVISION		
	A5255 - SW05	JM	D		





LEVEL 6 DRAINAGE PLAN 1:200 ON A1

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO. FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER SIZE = 6700 mm² MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

INC	FULL	
USED	D:	
	DP	= Ø
	FO	= 3
	SIP	= S
	100Ø	= Ø
	IP	= Ø
	RWH	= F
	RWO	= F
	FG	= F
	S	= R

PLAN 1:200 ON A1

USED: DP = Ø150, UNO. 100.00





PROJECT DRAWING TITLE LEVEL 6 AND LEVEL 7 DRAINAGE PLAN SCALES DESIGNED DRAFTED AS SHOWN ΖK SS APPROVED REVISION DRAWING NO. A5255 - SW06 JM D

PROPOSED DEVELOPMENT 1188-1200 CANTERBURY ROAD ROSELANDS, NSW

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH) STORMWATER DRAINAGE PIPE, UNO.

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN

Ø150, UNO. 300SQ. FLOOR OUTLET , REFER TO DETAIL SURFACE INLET PIT (NO LINTEL) Ø100 CHARGED LINE Ø150 INSPECTION POINT RAIN WATER HEAD

RAIN WATER OUTLET (300 x 300) FLOOR GULLY Ø150

RAINWATER SPREADER 100.00 = PROPOSED FINISHED SURFACE LEVEL

LEVEL 7 FLOOR DRAINAGE

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH) STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO. FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER SIZE = 6700 mm² MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN

FO = 300SQ. FLOOR OUTLET , REFER TO DETAIL SIP = SURFACE INLET PIT (NO LINTEL) 100Ø = Ø100 CHARGED LINE IP = Ø150 INSPECTION POINT RWH = RAIN WATER HEAD RWO = RAIN WATER OUTLET (300 x 300) **B** = FLOOR GULLY Ø150

> = RAINWATER SPREADER = PROPOSED FINISHED SURFACE LEVEL

CONCEPT PLAN ONLY

	PB			I
PB PB PB PB	ROOF TOP COMMON OPEN SPACE		BOX GUTTER	
BOX GUTTER PB	AT LEVEL 08 +64,500 	B	PB	

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ROOF DRAINAGE PLAN

1:200 ON A1

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH) STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO. FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER SIZE = 6700 mm² MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

- THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN
- USED:
- DP = Ø150, UNO. FO = 300SQ. FLOOR OUTLET , REFER TO DETAIL
- SIP = SURFACE INLET PIT (NO LINTEL) 100Ø = Ø100 CHARGED LINE

- $P = \emptyset 150 \text{ INSPECTION POINT}$ RWH = RAIN WATER HEAD $RWO = RAIN WATER OUTLET (300 \times 300)$ $FG = FLOOR GULLY \emptyset 150$
- S = RAINWATER SPREADER 100.00 = PROPOSED FINISHED SURFACE LEVEL



CLIENT



Phone (02) 9745 2014 Fax (02) 9745 0984 Email info@urbanlink.com.au

PROJECT

1188-1200 CANTERBU ROSELAND

JR۱	ROAD
)S,	NSW

PROPOSED DEVELOPMENT

DRAWING TITLE ROOF DRAINAGE PLAN

SCALES

AS SHOWN

A5255 - SW07

DRAWING NO.

CONCEPT PLAN ONLY

DESIGNED

ΖK

JM

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