STATE SIGNIFICANT DEVELOPMENT APPLICATION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW, 2148
CIVIL WORKS PACKAGE

DRAWING LIST

DRAWING NO.	DRAWING TITLE
GENERAL:	
C013904.03-SSDA 100	DRAWING LIST & GENERAL NOTES
EROSION & SEDIMENT CONTROL:	
C013904.03-SSDA 200	EROSION AND SEDIMENT CONTROL PLAN - STAGE 1
C013904.03-SSDA 201	EROSION AND SEDIMENT CONTROL PLAN - STAGE 2
C013904.03-SSDA 202	EROSION AND SEDIMENT CONTROL ENGINEERING NOTES
C013904.03-SSDA 250	EROSION AND SEDIMENT CONTROL DETAILS - SHEET 1
C013904.03-SSDA 251	EROSION AND SEDIMENT CONTROL DETAILS - SHEET 2
EARTHWORKS PLAN:	
C013904.03-SSDA 300	BULK EARTHWORKS PLAN
C013904.03-SSDA 310	CUT & FILL PLAN
C013904.03-SSDA 350	BULK EARTHWORKS SECTIONS - SHEET 1
C013904.03-SSDA 351	BULK EARTHWORKS SECTIONS - SHEET 2
C013904.03-SSDA 352	BULK EARTHWORKS SECTIONS - SHEET 3
INFRASTRUCTURE DRAINAGE:	
C013904.03-SSDA 400	STORMWATER DRAINAGE KEY PLAN
C013904.03-SSDA 401	STORMWATER DRAINAGE PLAN - WAREHOUSE 1 & 2
C013904.03-SSDA 402	STORMWATER DRAINAGE PLAN - WAREHOUSE 3
C013904.03-SSDA 403	STORMWATER DRAINAGE PLAN - WAREHOUSE 4
C013904.03-SSDA 404	STORMWATER DRAINAGE PLAN - WAREHOUSE 5 GROUND FLOOR
C013904.03-SSDA 410	BLACKTOWN CREEK REALIGNMENT PLAN
C013904.03-SSDA 415	WESTERN CREEK PLAN
C013904.03-SSDA 450	STORMWATER DRAINAGE DETAILS - SHEET 1
C013904.03-SSDA 451	STORMWATER DRAINAGE DETAILS - SHEET 2
C013904.03-SSDA 452	STORMWATER DRAINAGE DETAILS - SHEET 3
C013904.03-SSDA 453	STORMWATER DRAINAGE DETAILS - SHEET 4
C013904.03-SSDA 454	STORMWATER DRAINAGE DETAILS - SHEET 5
C013904.03-SSDA 455	STORMWATER DRAINAGE DETAILS - SHEET 6
C013904.03-SSDA 456	STORMWATER DRAINAGE DETAILS - SHEET 7
C013904.03-SSDA 457	STORMWATER DRAINAGE DETAILS - SHEET 8
C013904.03-SSDA 458	STORMWATER DRAINAGE DETAILS - SHEET 9
C013904.03-SSDA 470	PRE DEVELOPMENT STORMWATER CATCHMENT PLAN
C013904.03-SSDA 471	POST DEVELOPMENT STORMWATER CATCHMENT PLAN

DRAWING LIST

DRAWING NO.	DRAWING TITLE
FINISHED LEVELS:	
C013904.03-SSDA 500	FINISHED LEVELS PLAN - WAREHOUSE 1 & 2
C013904.03-SSDA 501	FINISHED LEVELS PLAN - WAREHOUSE 1 & 2
C013904.03-SSDA 502	FINISHED LEVELS PLAN - WAREHOUSE 3
C013904.03-SSDA 503	FINISHED LEVELS PLAN - WAREHOUSE 4
C013904.03-SSDA 504	FINISHED LEVELS PLAN - WAREHOUSE 5 GROUND FLOOR
ROADWORKS:	
C013904.03-SSDA 700	ROADWORKS GENERAL ARRANGEMENT PLAN
C013904.03-SSDA 711	ROADWORKS CIVIL WORKS PLAN - SHEET 1
C013904.03-SSDA 712	ROADWORKS CIVIL WORKS PLAN - SHEET 2
C013904.03-SSDA 721	ROADWORKS LONG SECTIONS FLUSHCOMBE ROAD
C013904.03-SSDA 750	ROADWORKS TYPICAL SECTIONS
C013904.03-SSDA 755	ROADWORKS TYPICAL DETAILS

LOCALITY PLAN
N.TS

GENERAL NOTES:

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS AUSTRALIA CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.
3. ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE BUILDER ON SITE.
   ENGINEER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
   ENGINEER'S DRAWINGS ISSUED IN ANY ELECTRONIC FORMAT MUST NOT BE USED FOR DIMENSIONAL SETOUT. REFER TO THE ARCHITECT'S DRAWINGS FOR ALL DIMENSIONAL SETOUT INFORMATION.
4. DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.
5. UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.
6. ALL WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH ACCEPTABLE SAFETY STANDARDS & APPROPRIATE SAFETY SIGNS SHALL BE INSTALLED AT ALL TIMES DURING THE PROGRESS OF THE JOB.

ELECTRONIC INFORMATION NOTES:

1. THE ISSUED DRAWINGS IN HARD COPY OR PDF FORMAT TAKE PRECEDENCE OVER ANY ELECTRONICALLY ISSUED INFORMATION, LAYOUTS OR DESIGN MODELS.
2. THE CONTRACTOR'S DIRECT AMENDMENT OR MANIPULATION OF THE DATA OR INFORMATION THAT MIGHT BE CONTAINED WITHIN AN ENGINEER-SUPPLIED DIGITAL TERRAIN MODEL AND ITS SUBSEQUENT USE TO UNDERTAKE THE WORKS WILL BE SOLELY AT THE DISCRETION OF AND THE RISK OF THE CONTRACTOR.
3. THE CONTRACTOR IS REQUIRED TO HIGHLIGHT ANY DISCREPANCIES BETWEEN THE DIGITAL TERRAIN MODEL AND INFORMATION PROVIDED IN THE CONTRACT AND/OR DRAWINGS AND IS REQUIRED TO SEEK CLARIFICATION FROM THE SUPERINTENDENT.
4. THE ENGINEER WILL NOT BE LIABLE OR RESPONSIBLE FOR THE POSSIBLE ON-GOING NEED TO UPDATE THE DIGITAL TERRAIN MODEL, SHOULD THERE BE ANY AMENDMENTS OR CHANGES TO THE DRAWINGS OR CONTRACT INITIATED BY THE CONTRACTOR.

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
REVISED AS CLOUDED	08.09.23	C
REVISED AS CLOUDED	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

AMENDMENTS DATE ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA100

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DRAWING TITLE: DRAWING LIST & GENERAL NOTES

DRAWING No: C013904.03-SSDA100 ISSUE: C

TABLE 1 - STABILISATION REQUIREMENTS AND TREATMENT METHODS

DURING CONSTRUCTION - TEMPORARY STABILISATION
(DURING PERIODS OF INACTIVITY OR WHEN WORKS ARE ON HOLD)

LANDS	STABILISATION REQUIREMENT	TIMEFRAMES	TREATMENT METHODS - PRODUCTS	REMARKS
ALL LANDS	C-FACTOR = 0.15 (50% EQUIVALENT GROUND COVER[1]	APPLIES AFTER 20 WORKING DAYS OF INACTIVITY (EVEN THOUGH WORKS MIGHT CONTINUE LATER)	SOIL BINDER (I.E VITAL P47/STONEWALL OR EQUIVALENT[1])	- SPRAY ALL SURFACES WITH VITAL P47/STONEWALL OR EQUIVALENT[1]. - VITAL DILUTION RATE = 1:10(VITAL:WATER). -RE-APPLY/MAINTAIN AS NECESSARY (APPROX. EVERY 3-6 MONTHS WITHOUT SUITABLE VEGETATION COVER) TO ENSURE THE REQUIRED COVER IS PROVIDED.
			GEOTEXTILE, JUTE MATTING, BLACK PLASTIC OR EQUIVALENT[1]	- COVER ALL EXPOSED SOILS. - RE-APPLY/MAINTAIN AS NECESSARY TO ENSURE THE REQUIRED COVER IS PROVIDED.
WATERWAYS, DRAINAGE LINES AND CONCENTRATED FLOW AREAS	C-FACTOR = 0.05 (70% GRASS COVER OR EQUIVALENT GROUND COVER[1]	APPLIES AFTER 10 WORKING DAYS FROM COMPLETION OF FORMATION AND BEFORE THEY ARE ALLOWED TO CARRY CONCENTRATED FLOWS.	REFER TO THE DRAIN SPECIFICATIONS DETAILED ON THE PLAN FOR SPECIFIC LINING/STABILISATION REQUIREMENTS. EXAMPLE TREATMENT METHODS ARE SHOWN BELOW.	
			TEMPORARY LINING - GEOTEXTILE (I.E. BIDIM A24 OR EQUIVALENT[1])	- COMPLETE ANY SUBSOIL TREATMENT BEFORE LAYING THE MATTING. - INSTALL MATTING IN ACCORDANCE WITH SD 5-7. - RE-APPLY/MAINTAIN AS NECESSARY TO ENSURE THE REQUIRED COVER IS PROVIDED.
			JUTE MESH, SEEDING AND SOIL BINDER (I.E. VITAL P47/STONEWALL OR EQUIVALENT[1]) - LOW FLOWS TO MODERATE	- COMPLETE SUBSOIL TREATMENT (I.E. GYPSUM LIGHTLY RIPPED INTO SUBGRADE AT A RATE OF 5 TONNES/Ha). - PLACE TOPSOIL TO A DEPTH OF AT LEAST 75mm. - COMPLETE ANY FERTILISATION AND SEEDING BEFORE LAYING THE MATTING. - INSTALL MATTING IN ACCORDANCE WITH SD 5-7. - SPRAY ALL SURFACES WITH VITAL P47/STONEWALL OR EQUIVALENT[1]. - VITAL DILUTION RATE = 1L / m^2 OF DILUTED VITAL MIXTURE. - RE-APPLY/MAINTAIN AS NECESSARY TO ENSURE THE REQUIRED COVER IS PERMANENTLY MAINTAINED.
			JUTE MATTING (~350gsm) AND SEEDING OR EQUIVALENT[1]) - LOW FLOWS TO MODERATE	- COMPLETE SUBSOIL TREATMENT (I.E. GYPSUM LIGHTLY RIPPED INTO SUBGRADE AT A RATE OF STONNES/Ha). - PLACE TOPSOIL TO A DEPTH OF AT LEAST 75mm. - COMPLETE ANY FERTILISATION AND SEEDING BEFORE LAYING THE MATTING. - INSTALL MATTING IN ACCORDANCE WITH SD 5-7. - RE-APPLY/MAINTAIN AS NECESSARY TO ENSURE THE REQUIRED COVER IS PERMANENTLY MAINTAINED.
			TURF REINFORCEMENT MATTING (TRM) (E.G. TERRAMAT OR EQUIVALENT[1]) - MODERATE FLOWS	- COMPLETE SUBSOIL TREATMENT (I.E. GYPSUM LIGHTLY RIPPED INTO SUBGRADE AT A RATE OF STONNES/Ha). - PLACE TOPSOIL TO A DEPTH OF AT LEAST 75mm. - COMPLETE ANY FERTILISATION AND SEEDING BEFORE LAYING THE MATTING. - INSTALL MATTING IN ACCORDANCE WITH SD 5-7. - RE-APPLY/MAINTAIN AS NECESSARY TO ENSURE THE REQUIRED COVER IS PERMANENTLY MAINTAINED.
			ROCK LINING - HIGH FLOWS	- COMPLETE SUBSOIL TREATMENT (I.E. GYPSUM LIGHTLY RIPPED INTO SUBGRADE AT A RATE OF STONNES/Ha). - INSTALL GEOTEXTILE UNDERLAY (IF SPECIFIED) IN ACCORDANCE WITH SD 5-7. - INSTALL ROCK ARMOURING (TO THE DEPTH AND SIZE AS SPECIFIED ON THE PLAN).
STOCKPILES	C-FACTOR = 0.10 (60% GRASS COVER OR EQUIVALENT GROUND COVER[1]	APPLIES AFTER 10 WORKING DAYS FROM COMPLETION OF FORMATION	SEEDING AND SOIL BINDER (I.E. VITAL P47/STONEWALL OR EQUIVALENT[1])	- APPLY SEED TO ALL STOCKPILE SURFACES (NOTE: SEEDING MAY NOT BE REQUIRED IF EXISTING SEEDBED IS PRESENT). -SPRAY ALL STOCKPILE SURFACES WITH VITAL P47/STONEWALL OR EQUIVALENT[1] - VITAL DILUTION RATE = 1:10 (VITAL:WATER). - APPLICATION RATE = 1L / m2 OF DILUTED VITAL MIXTURE. - RE-APPLY/MAINTAIN AS NECESSARY TO ENSURE THE REQUIRED COVER IS PERMANENTLY MAINTAINED.
			GEOTEXTILE, JUTE MATTING, BLACK PLASTIC OR EQUIVALENT[1]	- COVER ALL EXPOSED SOILS. - RE-APPLY/MAINTAIN AS NECESSARY TO ENSURE THE REQUIRED COVER IS PROVIDED.
GENERAL SURFACES	C-FACTOR = 0.10 / 0.05 (60% / 70% GRASS COVER OR EQUIVALENT GROUND COVER[1]	C-FACTOR = 0.1 APPLIES AFTER 10 WORKING DAYS FROM COMPLETION OF FORMATION AND C-FACTOR = 0.05 APPLIES WITHIN A FURTHER 60 DAYS	TOPSOIL, SEEDING AND SOIL BINDER (I.E. VITAL P47/STONEWALL OR EQUIVALENT[1])	- REFER TO SD 7-1 - COMPLETE SUBSOIL TREATMENT (I.E. GYPSUM LIGHTLY RIPPED INTO SUBGRADE AT A RATE OF STONNES/Ha). - PLACE GYPSUM TREATED TOPSOIL TO A DEPTH OF AT LEAST 75mm. - APPLY ANY FERTILISERS REQUIRED. - APPLY SEED TO ALL SURFACES. - SPRAY ALL SURFACES WITH VITAL P47/STONEWALL OR EQUIVALENT[1]. - VITAL DILUTION RATE = 1:10 (VITAL:WATER). - APPLICATION RATE = 1L / m2 OF DILUTED VITAL MIXTURE. - RE-APPLY/MAINTAIN AS NECESSARY TO ENSURE THE REQUIRED COVER IS PERMANENTLY MAINTAINED.
			HYDROMULCH OR EQUIVALENT[1]	- REFER TO SD 7-1 - COMPLETE SUBSOIL TREATMENT (I.E. GYPSUM LIGHTLY RIPPED INTO SUBGRADE AT A RATE OF STONNES/Ha). - PLACE GYPSUM TREATED TOPSOIL TO A DEPTH OF AT LEAST 75mm. - APPLY HYDROMULCH WITH APPROVED SEED MIX TO SOIL SURFACE. - RE-APPLY/MAINTAIN AS NECESSARY TO ENSURE THE REQUIRED COVER IS PERMANENTLY MAINTAINED.

[1] - EQUIVALENT COVER/PRODUCT MUST ACHIEVE THE EQUIVALENT C-FACTOR WITH PROVEN RESEARCH/DOCUMENTATION TO VERIFY THIS. STANDARD DRAWINGS REFERENCED CAN BE LOCATED IN THE 'SOILS & CONSTRUCTION, MANAGING URBAN STORMWATER - VOLUME 1' BOOK BY LANDCOM. ALTERNATIVE DETAILS MAY BE SOUGHT IN CONSULTATION WITH THE ENGINEER

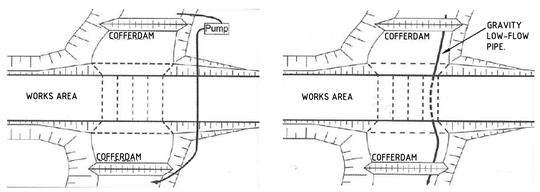
TABLE 2 - LIMITATIONS TO ACCESS DURING CONSTRUCTION

LAND USE	LIMITATION	REMARKS
CONSTRUCTION AREAS	LIMITED TO 5 (PREFERABLE 2) METRES FROM THE EDGE OF ANY ESSENTIAL CONSTRUCTION ACTIVITY AS SHOWN ON ENGINEERING PLANS.	ALL SITE WORKERS SHOULD CLEARLY RECOGNISE THESE AREAS THAT, WHERE APPROPRIATE, ARE IDENTIFIED WITH BARRIER FENCING (UPSLOPE) AND SEDIMENT FENCE (DOWNSLOPE) OR SIMILAR MATERIALS.
ACCESS CORRIDORS	LIMITED TO A MAXIMUM WIDTH OF 7 METERS	THE SITE MANAGER WILL DETERMINE AND MARK THE LOCATION OF THESE ZONES ON SITE, THEY CAN VARY IN POSITION SO AS TO BEST CONSERVE EXISTING VEGETATION AND PROTECT DOWNSTREAM AREAS WHILE BEING CONSIDERATE OF THE NEEDS EFFICIENT WORKS ACTIVITIES. ALL SITE WORKERS WILL CLEARLY RECOGNISE THESE BOUNDARIES.
REMAINING LANDS, INCLUDING REVEGETATION AREA	ENTRY PROHIBITED EXCEPT FOR ESSENTIAL MANAGEMENT WORKS	THINNING OF GROWTH MIGHT BE NECESSARY, FOR EXAMPLE, FOR FIRE REDUCTION OR WEED REMOVAL.

EROSION CONTROL NOTES

ALL SEDIMENT CONTROL WORK INCLUDING DIVERSION BANKS, CATCH DRAINS, V-DRAINS AND SEDIMENT FENCES SHALL BE COMPLETED IN ACCORDANCE WITH THE STAGED PLANS PRESENTED AND SHALL FACILITATE A STAGED CONSTRUCTION METHODOLOGY.

1. ALL EROSION & SEDIMENT CONTROLS SHALL BE COMPLETED IN ACCORDANCE WITH THE 'SOILS AND CONSTRUCTION, MANAGING URBAN STORMWATER - THE BLUE BOOK' BY LANDCOM.
2. SEDIMENT FENCES AND SEDIMENT FENCE RETURNS SHALL BE ERECTED CONVEX TO THE CONTOUR TO POND WATER.
3. STRAW BALE BARRIERS & GEOFABRIC FENCES OR SEDIMENT FANCNES ARE TO BE CONSTRUCTED TO TOE OF BATTER, PRIOR TO COMMENCEMENT OF EARTHWORKS, IMMEDIATELY AFTER CLEARING OF VEGETATION AND BEFORE REMOVAL OF TOP SOIL.
4. ALL TEMPORARY EARTH BERMS, DIVERSION AND SEDIMENT BASIN EMBANKMENTS ARE TO BE MACHINE COMPACTED, SEEDED AND MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED. REFER TO TABLE 1 FOR APPROVED STABILISATION METHODS.
5. CLEAN OR NON-SITE WATER IS TO BE DIVERTED AWAY FROM DISTURBED GROUND AND INTO THE DRAINAGE SYSTEM OVER STABLE SURFACES.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROVIDING ON GOING ADJUSTMENT TO EROSION CONTROL MEASURES AS REQUIRED DURING CONSTRUCTION.
7. ALL SEDIMENT TRAPPING STRUCTURES AND DEVICES ARE TO BE INSPECTED AFTER STORMS OF 5mm OR GREATER WITHIN A 24 HOUR PERIOD FOR STRUCTURAL DAMAGE OR CLOGGING, TRAPPED MATERIAL IS TO BE REMOVED TO A SAFE, APPROVED LOCATION.
8. THE SITE IS TO BE INSPECTED FOLLOWING A RAINFALL EVENT OF 5mm OR GREATER WITHIN A 24 HOUR PERIOD FOR EVIDENCE OF EROSION AND RESPOND WITH INCREASED CONTROL IF REQUIRED.
9. ALL FINAL EROSION PREVENTION MEASURES INCLUDING THE ESTABLISHMENT OF GRASSING ARE TO BE MAINTAINED UNTIL THE END OF THE DEFECTS LIABILITY PERIOD.
10. ALL EARTHWORKS AREAS SHALL BE ROLLED ON A REGULAR BASIS TO SEAL THE EARTHWORKS.
11. ALL FILL AREAS ARE TO BE LEFT WITH A BUND AT THE TOP OF THE SLOPE AT THE END OF EACH DAY'S EARTHWORKS TO DIRECT WATER TO A STABLE OUTLET OVER THE BATTER OR INTERNALLY TOWARDS SEDIMENT CONTROL. THE HEIGHT OF THE BUND SHALL BE A MINIMUM OF 200mm.
12. ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND HYDROMULCHED WITHIN 10 DAYS OF COMPLETION OF FORMATION.
13. AFTER PERMANENT STABILISATION OF THE SITE IS COMPLETE (I.E. BY TOPSOILING, PAVING ETC.) AND THE SITE IS DEEMED TO BE STABLE IN THE OPINION OF A SUITABLY QUALIFIED PERSON ALL TEMPORARY WORK SUCH AS SEDIMENT FENCE, DIVERSION DRAINS ETC SHALL BE REMOVED.
14. ALL STOCKPILES ARE TO BE SUITABLY COVERED AND STABILIZED TO THE SATISFACTION OF THE SITE MANAGER TO PREVENT WIND AND WATER EROSION.
15. ANY AREA THAT IS NOT APPROVED BY THE CONTRACT ADMINISTRATOR FOR CLEARING OR DISTURBANCE BY THE CONTRACTOR'S ACTIVITIES SHALL BE CLEARLY MARKED AND SIGN POSTED, FENCED OFF OR OTHERWISE APPROPRIATELY PROTECTED AGAINST ANY SUCH DISTURBANCE.
16. ALL STOCKPILE SITES SHALL BE SITUATED IN AREAS INDICATED ON THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN OR APPROVED FOR SUCH USE BY THE SITE MANAGER. A 6m BUFFER ZONE SHALL EXIST BETWEEN STOCKPILE SITES AND ANY STREAM OR FLOW PATH. ALL STOCKPILES SHALL BE ADEQUATELY PROTECTED FROM EROSION AND CONTAMINATION OF THE SURROUNDING AREA BY USE OF THE MEASURES IN THE APPROVED ESCP.
17. ACCESS AND EXIT AREAS SHALL INCLUDE TRUCK SHAKER GRID OR OTHER METHODS APPROVED BY THE SITE MANAGER FOR THE REMOVAL OF SOIL MATERIALS FORM MOTOR VEHICLES.
18. THE CONTRACTOR IS TO ENSURE RUNOFF FROM ALL AREAS WHERE THE NATURAL SURFACE IS DISTURBED BY CONSTRUCTION, INCLUDING ACCESS ROADS, DEPOT AND STOCKPILE SITES, SHALL BE FREE OF SEDIMENTS BEFORE IT IS EITHER DISPERSED TO STABLE AREAS OR DIRECTED TO NATURAL WATERCOURSES.
19. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SLOPES, CROWNS AND DRAINS ON ALL EXCAVATIONS AND EMBANKMENTS TO ENSURE SATISFACTORY DRAINAGE AT ALL TIMES WATER SHALL NOT BE ALLOWED TO POND ON THE WORKS UNLESS SUCH PONDING IS PART OF AN APPROVED ESCP / SWMP.



PUMPED SYSTEM OPTION — GRAVITY PIPE OPTION

INSTREAM WORKS COFFERDAM ARRANGEMENT

DUST CONTROL NOTES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE DUST CONTROL MEASURES ARE APPLIED AND MAINTAINED IN ACCORDANCE WITH THE GOVERNING AUTHORITIES REQUIREMENTS.
2. THE APPLICATION OF LIQUID BASED DUST SUPPRESSION MEASURES MUST BE SUCH THAT SEDIMENT LADEN RUNOFF RESULTING FROM SUCH MEASURES DOES NOT CREATE A TRAFFIC OR ENVIRONMENTAL HAZARD. (EG UTILISING SEDIMENT CONTROLS)
3. DUST GENERATION ASSOCIATED WITH WIND EROSION TO BE CONTROLLED USING WATER TRUCKS, DUST SUPPRESSING FOG, MIST GENERATORS, SEALANT PLACED OVER THE SOIL, SURFACE ROUGHENING OR RE-VEGETATION.
4. THE FOLLOWING ACTIVITIES SHALL BE ADOPTED, IF NECESSARY, TO MANAGE DUST CONTROL ON SITE:
   - LIMITING THE AREA OF SOIL DISTURBANCE AT ANY GIVEN TIME
   - REPLACING TOPSOIL AFTER COMPLETION OF EARTHWORKS.
   - PROGRAMMING WORK TO MINIMISE THE LIFE OF STOCKPILES.
   - TEMPORARILY STABILISING LONG-TERM STOCKPILES.
   - GRAVELLING UNSEALED ACCESS AND HAUL ROADS.
   - MINIMISING TRAFFIC MOVEMENT ON EXPOSED SURFACES.
   - LIMITING VEHICULAR TRAFFIC TO 15km/h.
   - RETAINING EXISTING VEGETATION AS WIND BREAKS.
   - UTILISING A WATER CART WITH POTABLE WATER ONLY
5. OIL, LANDFILL GAS CONDENSATE OR ANY CONTAMINATED LEACHATE IS NOT TO BE USED FOR DUST SUPPRESSION.

INSTREAM WORKS:

1. SEDIMENT FENCES AND SEDIMENT FENCE RETURNS TO BE ERECTED PRIOR TO THE COMMENCEMENT OF ANY WORK. SEDIMENT FENCES TO REMAIN UNTIL COMPLETION OF INSTREAM WORK IN THESE LOCATION TO PROTECT EXISTING DOWNSTREAM PROPERTIES AND ROAD PAVEMENT. (REFER TO SSDA250 FOR DETAILS).
2. UNDERTAKE WORK DURING A PERIOD OF DRY FORECASTED WEATHER.
3. PROTECT DISTURBED AREA WITH COFFERDAMS AS REQUIRED.
4. TEMPORARY LOW FLOW DIVERSION PIPE OR PUMPED SYSTEM MAY BE INSTALLED AT THE BASE OF CHANNEL TO DIVERT CLEAN WATER FROM UPSTREAM BASEFLOW.
5. UNDERTAKE ALL INSTREAM WORK IN THE SPECIFIED SECTION OF THE CHANNEL IN ACCORDANCE WITH APPROVED PLANS AND IMMEDIATELY PLANT TO STABLISE THE WORKS.
6. PLANT WITH APPROPRIATE SPECIES, AT A DENSITY THAT WOULD NATURALLY OCCUR.

SITE STABILITY NOTE:

LAND DISTURBANCE & LAND FILLING ACTIVITIES MUST BE UNDERTAKEN IN A PHASED MANNER, IMPACTING A MAXIMUM AREA OF 65Ha AT ANY ONE TIME PER CONDITION B41(a).
DISTURBED AREAS MUST BE STABILISED TO A C-FACTOR OF 0.05 PRIOR TO THE COMPLETION OF ANY OTHER WORKS PER CONDITION B41(b).
REFER TO TABLE 1 ABOVE FOR APPROVED STABILISATION METHODS

INSPECTION & MAINTENANCE NOTES:

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ADEQUATE INSPECTIONS AND MAINTENANCE ARE CARRIED OUT DURING SITE WORKS. DAILY AND WEEKLY INSPECTION CHECKLISTS HAVE BEEN PROVIDED IN THE COSTIN ROE SOIL AND WATER MANAGEMENT PLAN (SWMP) 13904.03-03D.rpt DATED 23/07/23.

AS NOTED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ADEQUATE MAINTENANCE OF EROSION & SEDIMENT CONTROL MEASURES ARE UNDERTAKEN DURING THE WORKS PERIOD. DAMAGED, DISLODGED OR FAULTY ESC MEASURES ARE TO BE IMMEDIATELY RECTIFIED AND THE SURROUNDING AREA IS TO BE REMEDIATED AS PER NOTES ON THIS DRAWING, THE SWMP AND THE LANDCOM 'BLUE BOOK'.

SOIL & WATER MANAGEMENT PLAN NOTE:

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SOIL AND WATER MANAGEMENT PLAN BY COSTIN ROE CONSULTING, REF 13904.03-03D.rpt

SEDIMENT CONTROL BASIN NOTES

1. TYPE D BASIN IS REQUIRED.
2. VOLUME OF THE BASINS SHALL BE AS NOMINATED ON DRAWING. NOMINAL POND LOCATIONS AND NOMINAL DIMENSIONS.
3. SEDIMENT BUILD UP TO NOT EXCEED 33% TOTAL CAPACITY OF BASIN.
4. DEWATERING OF BASIN TO BE PERFORMED TO THE BOTTOM OF THE SEDIMENT SETTLING ZONE FOLLOWING ACHIEVEMENT OF WQO's. MANAGEMENT OF DOSAGE AND DISCHARGE TO BE ACHIEVED WITHIN 5 DAYS OF THE INITIAL RAINFALL EVENT.
5. FOLLOWING DEWATERING PER NOTE 4, WATER LEVEL TO BE MAINTAINED AT 20% CAPACITY AFTER A FOUR DAY SETTLING PERIOD FOLLOWING A STORM EVENT SUCH THAT THE BASIN HAS SUFFICIENT CAPACITY TO CONTAIN RUNOFF AND SEDIMENT FROM SUBSEQUENT RAINFALL EVENTS.
6. WATER TO BE DOSED WITH GYPSUM TO ACCELERATE SETTLEMENT OF SUSPENDED SOLIDS AS REQUIRED.
7. GYPSUM DOSAGE RATE TO BE APPLIED AT APPROX. 32kg PER 100 CUBIC METRE OF COLLECTED RUNOFF.
8. THE USE OF ALUM (OR ANY OTHER ALTERNATIVE) AS A FLOCCULANT IS NOT RECOMMENDED. ALUM OR ANY OTHER FLOCCULANT IS TO BE USED ONLY FOLLOWING CONSULTATION WITH AND ACCEPTANCE FROM COUNCIL ESC OFFICERS.
9. DISCHARGE FROM POND IS PERMISSIBLE WHEN THE WATER PH IS 6.5-8.5 AND IS CLARIFIED TO AT OR BELOW A TSS OF 50mg/L. CLARIFICATION WOULD GENERALLY BE ACHIEVED IN 36-72 HOURS WITH THE USE OF GYPSUM PLUS NO VISIBLE OIL OR GREASE. CORRELATION TESTS MUST BE UNDERTAKEN ON SITE TO ENSURE THIS IS ACHIEVED.
10. DEWATERING SHALL BE DONE IN SUCH A MANNER AS TO REMOVE THE CLEAN WATER (BEING WATER WITHIN THE ADOPTED CRITERIA) WITHOUT REMOVING OR DISTURBING THE SEDIMENT THAT HAS SETTLED. THE PUMP INTAKE PIPE IS NOT TO REST ON THE SETTLED SEDIMENT LAYER.
11. IF WATER EXCEEDS TSS OF 50mg/L DURING DEWATERING, PUMPING IS TO CEASE. RECORDS ARE TO BE KEPT (ON-SITE AT ALL TIMES) OF ALL MEASUREMENT PRIOR TO, DURING AND AFTER DISCHARGE. RECORDS TO BE MADE AVAILABLE TO COUNCIL OFFICERS UPON REQUEST.
12. PROVIDE SECURITY FENCE TO BASIN FOR SAFETY.

SEDIMENTATION BASIN NOTE:

REFER TO SEDIMENT & EROSION CONTROL NOTES.

FOR SEDIMENT AND EROSION CONTROL DETAILS, REFER TO THE LANDCOM 'BLUE BOOK' AND EXTRACTS ON DRAWING SSDA250.

SEDIMENTATION BASIN SIZING BASED ON RECOMMENDATIONS OF 'SOILS AND CONSTRUCTION, MANAGING URBAN STORMWAER-THE BLUE BOOK'. CAPACITY BASED ON 5-DAY RAINFALL DEPTHS AT 85th PERCENTILE INTENSITY (32.2mm) IN THE LIVERPOOL CATCHMENT AREA.

NOTES:
1. ASSUME TYPE D SOIL (CLAY/SILTY CLAY)
2. ASSUME GROUP D SOIL (HIGH PLASTICITY AND SHRINK/SWELL PROPERTIES)
3. REFER TO DRAWING SSDA201 FOR SEDIMENTATION BASIN CALCULATIONS

FOR INFORMATION

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DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
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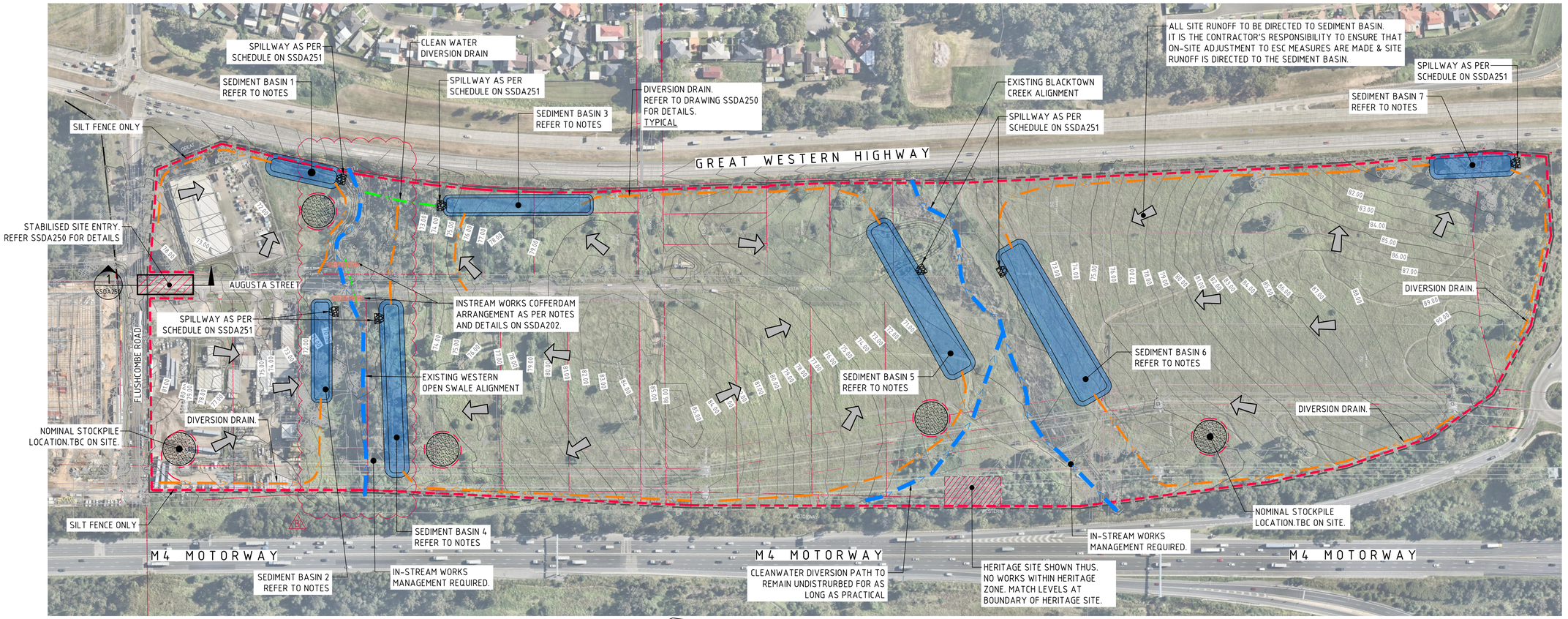
DRAWING TITLE: EROSION & SEDIMENT CONTROL ENGINEERING NOTES
DRAWING No: C013904.03-SSDA200
ISSUE: C



EROSION AND SEDIMENT CONTROL PLAN - STAGE 1

SCALE 1:1500

SEDIMENT BASIN DIMENSIONS

SEDIMENT BASIN 1:

CATCHMENT AREA	= 1.49ha
REQUIRED BASIN VOLUME	= 360m³
BASE DIMENSION (LxB)	= 8.0m x 15.0m
TOP DIMENSION (LxB)	= 17.0m x 24.0m
MAX SIDE SLOPE	= 1V:3H
DEPTH	= 1.5m
PROVIDED BASIN VOLUME	= 375m³

SEDIMENT BASIN 2:

CATCHMENT AREA	= 2.53ha
REQUIRED BASIN VOLUME	= 611m³
BASE DIMENSION (LxB)	= 12.0m x 20.0m
TOP DIMENSION (LxB)	= 21.0m x 29.0m
MAX SIDE SLOPE	= 1V:3H
DEPTH	= 1.5m
PROVIDED BASIN VOLUME	= 616m³

SEDIMENT BASIN 3:

CATCHMENT AREA	= 1.73ha
REQUIRED BASIN VOLUME	= 418m³
BASE DIMENSION (LxB)	= 10.0m x 15.0m
TOP DIMENSION (LxB)	= 19.0m x 24.0m
MAX SIDE SLOPE	= 1V:3H
DEPTH	= 1.5m
PROVIDED BASIN VOLUME	= 434m³

SEDIMENT BASIN 4:

CATCHMENT AREA	= 3.46ha
REQUIRED BASIN VOLUME	= 836m³
BASE DIMENSION (LxB)	= 15.0m x 24.0m
TOP DIMENSION (LxB)	= 24.0m x 33.0m
MAX SIDE SLOPE	= 1V:3H
DEPTH	= 1.5m
PROVIDED BASIN VOLUME	= 843m³

SEDIMENT BASIN 5:

CATCHMENT AREA	= 6.48ha
REQUIRED BASIN VOLUME	= 1565m³
BASE DIMENSION (LxB)	= 25.0m x 31.0m
TOP DIMENSION (LxB)	= 34.0m x 40.0m
MAX SIDE SLOPE	= 1V:3H
DEPTH	= 1.5m
PROVIDED BASIN VOLUME	= 1581m³

SEDIMENT BASIN 6:

CATCHMENT AREA	= 6.62ha
REQUIRED BASIN VOLUME	= 1599m³
BASE DIMENSION (LxB)	= 26.0m x 31.0m
TOP DIMENSION (LxB)	= 35.0m x 40.0m
MAX SIDE SLOPE	= 1V:3H
DEPTH	= 1.5m
PROVIDED BASIN VOLUME	= 1634m³

SEDIMENT BASIN 7:

CATCHMENT AREA	= 1.96ha
REQUIRED BASIN VOLUME	= 573m³
BASE DIMENSION (LxB)	= 11.0m x 16.0m
TOP DIMENSION (LxB)	= 20.0m x 25.0m
MAX SIDE SLOPE	= 1V:3H
DEPTH	= 1.5m
PROVIDED BASIN VOLUME	= 486m³

LEGEND:

PROVIDE 1m RETURNS TO SILT FENCE AT 30m MAX. INTERVALS. TYPICAL (N.S.O.P.)

- DENOTES DIVERSION DRAIN
- DENOTES CLEAN WATER DIVERSION DRAIN
- DENOTES SILT FENCE WITH CATCH DRAIN
- DENOTES SILT FENCE ONLY
- DENOTES CONSTRUCTION ENTRY
- DENOTES OVERLAND FLOW PATH
- DENOTES NOMINAL STOCKPILE LOCATION.

NOTES:

REFER TO DRAWING SSDA200 FOR DETAILED EROSION AND SEDIMENT CONTROL NOTES.

15m 0 15 30 45 60 75 90 105 120 135 150m

SCALE 1:1500 AT B1 SIZE SHEET

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CLIENT: LOGOS

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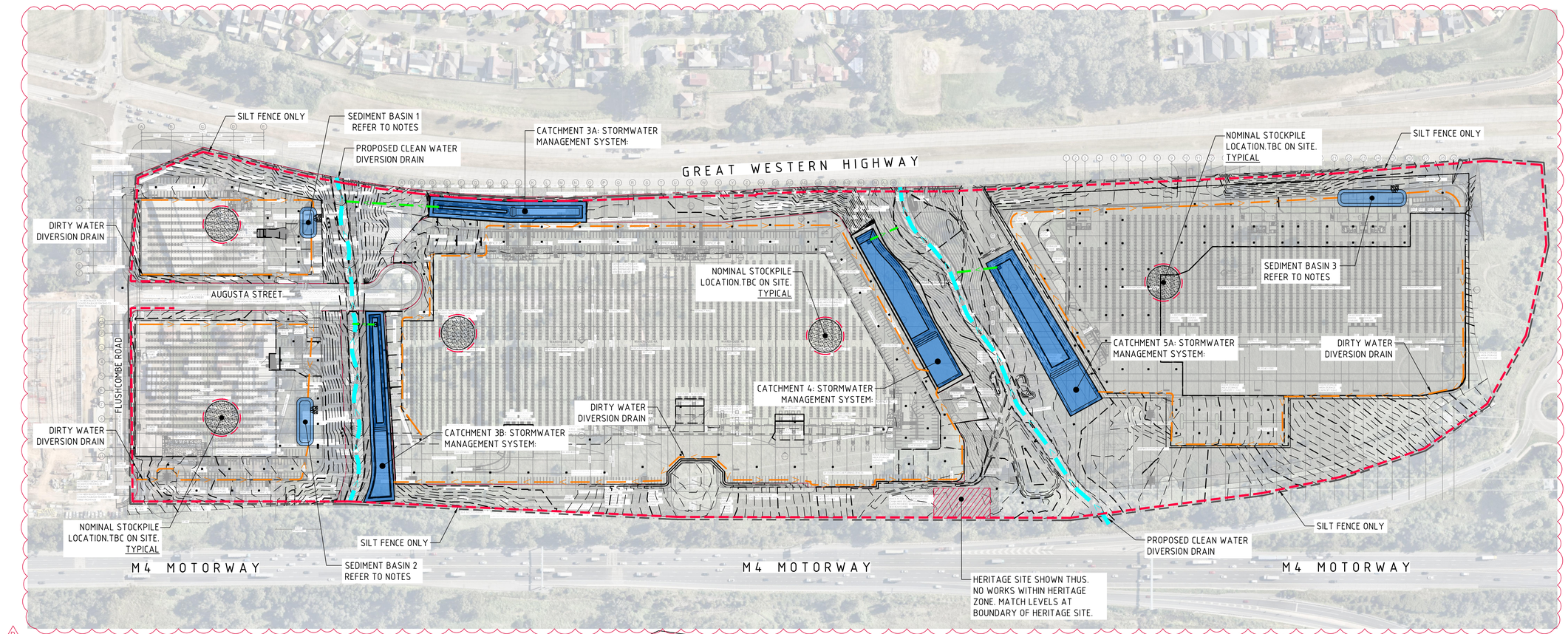
DRAWING TITLE: EROSION AND SEDIMENT CONTROL PLAN STAGE 1

DRAWING No: C013904.03-SSDA201 ISSUE: B



B

EROSION AND SEDIMENT CONTROL PLAN - STAGE 2

SCALE 1:1500

LEGEND:

PROVIDE 1m RETURNS TO SILT FENCE AT 30m MAX. INTERVALS.
TYPICAL (N.S.O.P.)

- DENOTES DIVERSION DRAIN
- DENOTES CLEAN WATER DIVERSION DRAIN
- DENOTES PROPOSED CLEAN WATER DIVERSION DRAIN
- DENOTES SILT FENCE WITH CATCH DRAIN
- DENOTES SILT FENCE ONLY
- DENOTES CONSTRUCTION ENTRY
- DENOTES OVERLAND FLOW PATH
- DENOTES NOMINAL STOCKPILE LOCATION.

NOTES:

REFER TO DRAWING SSDA200 FOR DETAILED EROSION AND SEDIMENT CONTROL NOTES.

15m 0 15 30 45 60 75 90 105 120 135 150m

SCALE 1:1500 AT B1 SIZE SHEET

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ARCHITECT PACE ARCHITECTS

CLIENT LOGOS

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DRAWING TITLE
EROSION AND SEDIMENT CONTROL PLAN
STAGE 2

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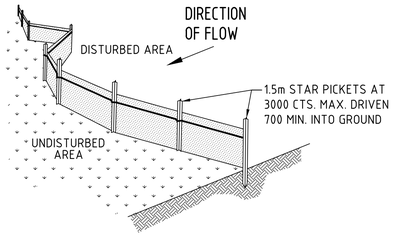
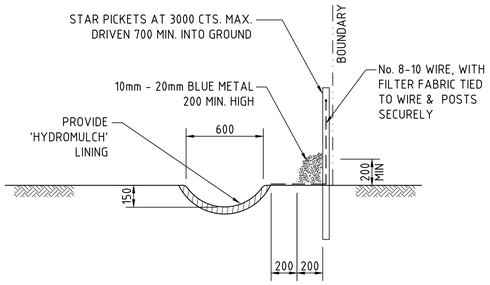


TYPICAL SILT FENCE DETAIL

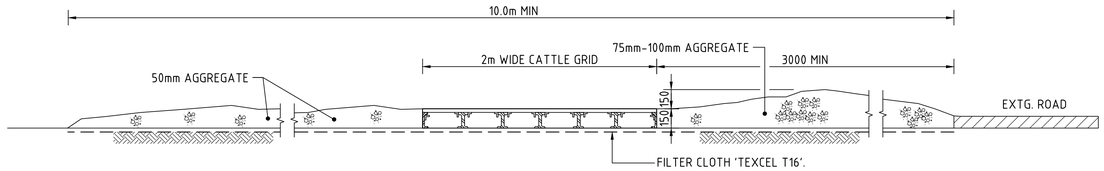
N.T.S

NOTE: PROVIDE 1m RETURNS AT 30m INTERVALS. TYPICAL

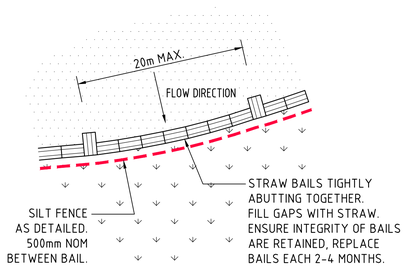


TYPICAL OPEN DRAIN & SILT FENCE

SCALE 1:20

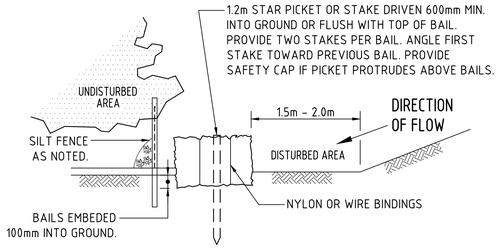


SECTION 1:20 (1 / C200) : STABILISED CONSTRUCTION ENTRANCE 'TRUCK SHAKER'



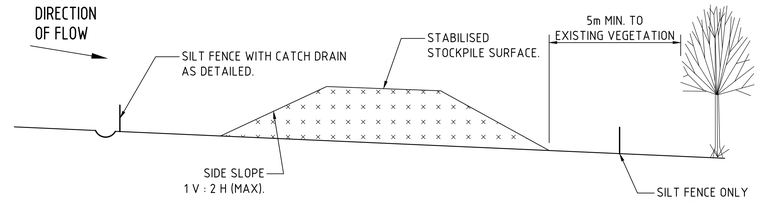
SILT FENCE WITH HAY BAIL PLAN

N.T.S



SILT FENCE WITH HAY BAIL DETAIL

N.T.S

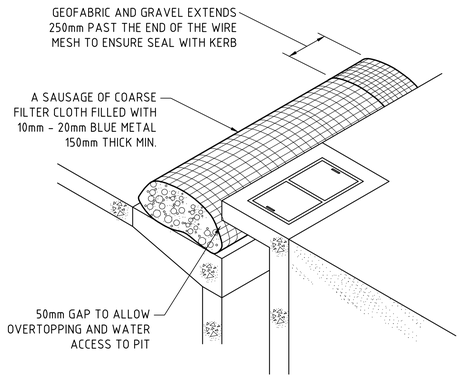


TYPICAL STOCKPILE DETAIL

N.T.S

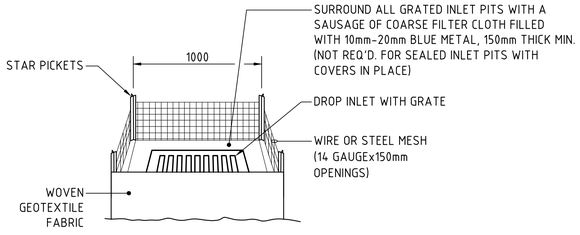
STOCKPILE NOTES

1. PLACE ALL STOCKPILES IN LOCATIONS MORE THAN 5m FROM EXISTING VEGETATION, ROADS & HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT ELONGATED MOUNDS. SIDE SLOPE TO BE 1 V: 2 H MAX.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
4. WHERE STOCKPILES ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE USING WOOD CHIP MULCH - 16 TONNE/Ha.
5. CONSTRUCT SILT FENCE WITH CATCH DRAIN ON UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES & SILT FENCE ONLY 1 TO 2m DOWNSLOPE AS SHOWN.



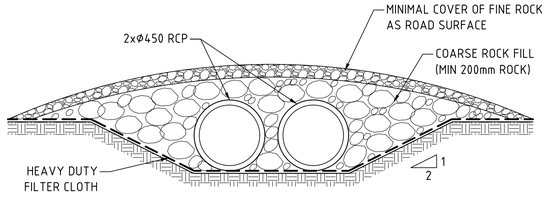
KERB INLET CONTROL

N.T.S



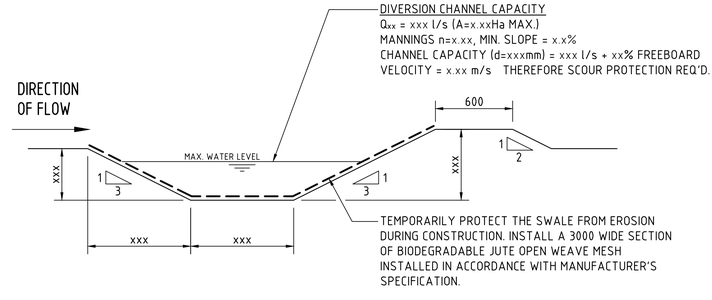
GRATED INLET PIT FILTER DETAIL

N.T.S



TYPICAL CROSSING OVER DIVERSION CHANNEL

SCALE 1:20



DIVERSION DRAIN SECTION

SCALE 1:20

NOTE :
ADOPT ABOVE DETAILS AROUND ALL PITS WITHIN AREA ENCOMPASSED BY SILT FENCE & TO PITS ON THE ROAD ADJACENT TO SITE BOUNDARY.

200mm 0 500 1000 1500 2000mm

SCALE 1:20 AT B1 SIZE SHEET

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DRAWING TITLE: EROSION AND SEDIMENT CONTROL DETAILS SHEET 1

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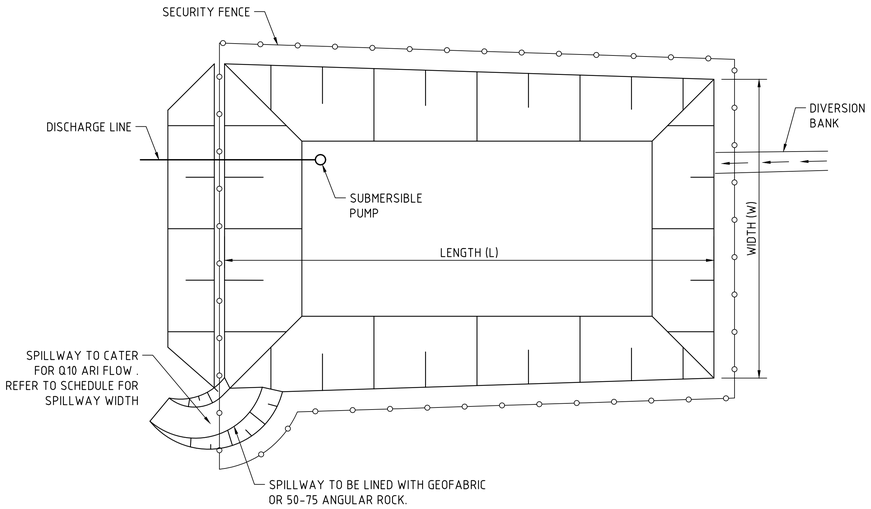
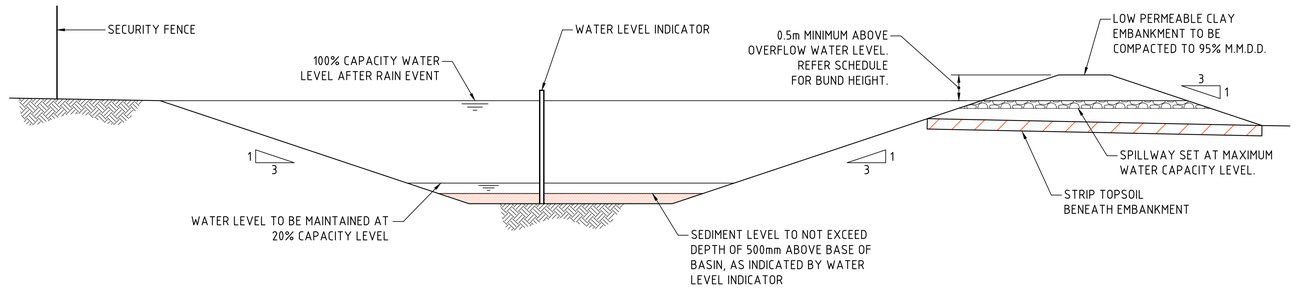


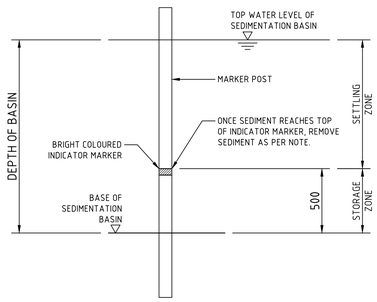
TYPICAL SEDIMENT CONTROL POND PLAN

SCALE 1:250



TYPICAL SEDIMENT CONTROL BASIN SECTION

SCALE 1:50



SEDIMENT STORAGE MARKER

SCALE 1:20

SPILLWAY DETAIL & SCHEDULE					
CATCHMENT (Ha)	FLOW (m^3/s)	WIDTH (mm)	FLOW DEPTH (mm)	ROCK SIZE (mm)	BUND HEIGHT ABOVE SPILLWAY (mm)
0.20	0.14	1000	200	-	600
0.5	0.2	2000	200	-	600
1	0.3	2000	200	-	700
2	0.6	4000	200	-	700
5	1.4	5000	300	200	800
10	2.8	8000	350	200	850
20	5.5	14000	400	250	900
40	11.0	20000	500	250	1000

2m 0 5 10 15 20 25m
SCALE 1:250 AT B1 SIZE SHEET

500mm 0 1 2 3 4 5m
SCALE 1:50 AT B1 SIZE SHEET

200mm 0 500 1000 1500 2000mm
SCALE 1:20 AT B1 SIZE SHEET

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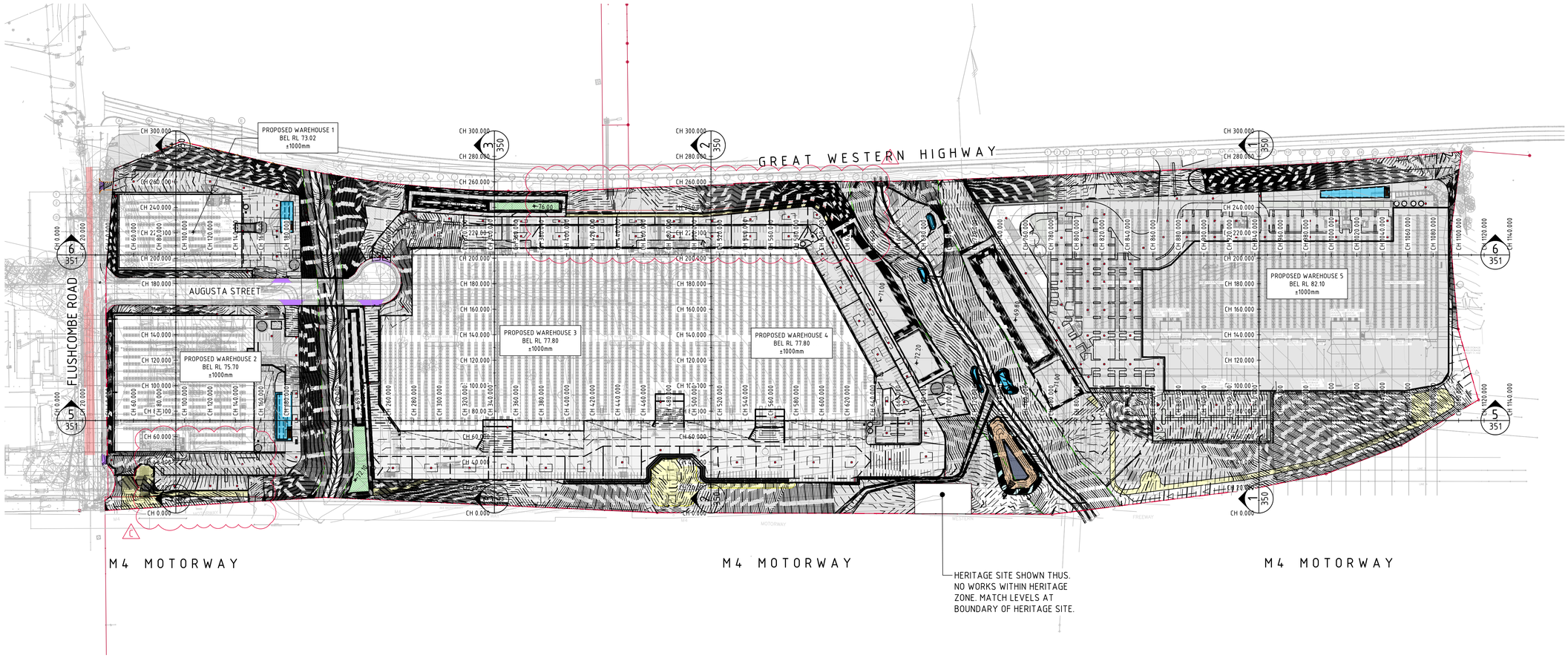
ISSUE A



BULK EARTHWORKS PLAN
SCALE 1:1500

SITE PREPARATION NOTES:

1. ALL EARTHWORKS SHALL BE COMPLETED GENERALLY IN ACCORDANCE WITH THE GUIDELINES SPECIFIED BY THE GEOTECHNICAL REPORT PSM4636-007L PROVIDED BY PSM CONSULT PTY LTD DATED 22/03/2022.
2. EXISTING LEVELS ARE BASED ON INFORMATION PROVIDED BY LANDPARTNERS TITLED SY074904.002.2.2 DATED 04/03/2022.
3. STRIP ANY TOP SOIL OR DELETERIOUS MATERIAL AND DISPOSE OF FROM SITE OR STORE AS DIRECTED.
4. COMPLETE CUT TO FILL EARTHWORKS TO ACHIEVE THE REQUIRED LEVELS AS INDICATED ON THE DRAWINGS WITHIN A TOLERANCE OF +0mm/-10mm THROUGH BUILDING PADS/PAVEMENTS AND +0mm/-20mm ELSEWHERE.
5. PREPARE STEEP BATTERS TO RECEIVE FILL BY CONSTRUCTING BENCHING TO FACILITATE FILL PLACEMENT AND COMPACTION. WHERE EXPOSED ROCK (WEATHERED SHALE OR SANDSTONE) IS ENCOUNTERED AT CUT SUBGRADE LEVEL, THE EARTHWORKS CONTRACTOR IS TO ALLOW TO RIP THE SURFACE TO A NOMINAL 0.3-0.4m DEPTH AND RECOMPACT (PER THE ENGINEERING SPEC) AS REQUIRED.
6. AREAS TO RECEIVE FILL (THAT ARE NOT ON BENCHED BATTERS) AND AREAS IN CUT SHALL BE PROOF ROLLED TO IDENTIFY ANY SOFT HEAVING MATERIAL. SOFT MATERIAL SHALL BE BOXED OUT AND REMOVED PRIOR TO FILL PLACEMENT. PROOF ROLLING TO BE INSPECTED BY A GEOTECHNICAL ENGINEER OR THE EARTHWORKS DESIGNER.
7. SITE WON FILL SHALL BE COMPACTED IN MAXIMUM 300mm LAYERS AND TO DRY OR HILF DENSITY RATIOS (STANDARD COMPACTION) OF BETWEEN 98% AND 103%. THE PLACEMENT MOISTURE VARIATION OR HILF MOISTURE VARIATION SHALL BE CONTROLLED TO BE BETWEEN 2% DRY AND 2% WET.
8. IMPORTED FILL SHALL BE COMPACTED IN MAXIMUM 300mm LAYERS AND TO DRY OR HILF DENSITY RATIOS (STANDARD COMPACTION) OF BETWEEN 98% AND 103%. THE PLACEMENT MOISTURE VARIATION OR HILF MOISTURE VARIATION SHALL BE CONTROLLED TO BE BETWEEN 2% DRY AND 2% WET.
9. ALL ENGINEERED FILL PARTICLES SHALL BE ABLE TO BE INCORPORATED WITHIN A SINGLE LAYER. FURTHER, LESS THAN 30% OF PARTICLES SHALL BE RETAINED ON THE 37.5 mm SIEVE. ENGINEERED FILL SHALL BE ABLE TO BE TESTED IN ACCORDANCE WITH THE STANDARD COMPACTION METHOD (AS1289.5.4.1) OR HILF TEST METHOD (AS1289.5.7.1). THESE METHODS REQUIRE LESS THAN 20% RETAINED ON THE 37.5 mm SIEVE. WHERE BETWEEN 20% AND 30% OF PARTICLES ARE RETAINED ON THE 37.5 mm SIEVE THE ABOVE TEST METHODS SHALL STILL BE ADOPTED AND TEST REPORTS ANNOTATED APPROPRIATELY. THESE REQUIREMENTS SHOULD BE MET BY THE MATERIAL AFTER PLACEMENT AND COMPACTION
10. ALL THE EARTHWORKS UNDERTAKEN AND THE SUBGRADE CONDITION IN THE CUT AREAS (IN THE STATED PERIOD) ARE DOCUMENTED IN THE REPORTS AND HAVE BEEN UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATION.
11. PRIOR TO ANY EARTHWORKS, EROSION CONTROL AS OUTLINED IN THE EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE COMPLETED.
12. EXISTING ROCK, IF ANY, SHALL BE REMOVED BY HEAVY ROCK BREAKING OR RIPPING.
13. MATCH EXISTING LEVELS AT BATTER INTERFACE.
14. CONTRACTOR TO MATCH EXISTING LEVELS AT THE INTERFACE OF EARTHWORKS AND EXISTING SURFACE AT BATTER LOCATIONS OR WHERE NO RETAINING WALLS ARE PRESENT. ANY DISCREPANCY BETWEEN DESIGN AND EXISTING LEVELS TO BE REFERRED TO THE ENGINEER FOR DIRECTION OR ADJUSTMENTS TO DESIGN LEVELS.
15. DURING EARTHWORKS THE CONTRACTOR IS TO ENSURE ALL AREAS ARE FREE DRAINING & WILL NOT RETAIN WATER DURING RAINFALL. PROVIDE TEMPORARY MEASURES AS REQUIRED TO ENSURE FREE FLOWING RUNOFF THROUGH MANAGED DRAINAGE PATHS, DIVERSION DRAINS OR OTHER SUITABLE DISPOSAL METHOD AS AGREED DURING THE WORKS. REFER ANY CONCERNS TO THE ENGINEER. REFER TO EROSION AND SEDIMENT CONTROL DRAWINGS AND NOTES.

EARTHWORK ESTIMATES

SITE AREA	= 27.4 Ha
TOPSOIL STRIP (200mm OVER 27.4 Ha)	=(-54,800m³) (TO BE EXPORTED/REUSED)
CUT	= -359,900m³
FILL	= +289,250m³
DIFFERENCE	= -70,650m³ (i.e. CUT OVER FILL)

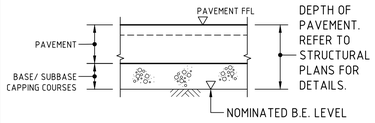
NOTE:
VOLUMES BASED ON 200mm TOPSOIL STRIP OVER THE NOMINATED AREA. EARTHWORKS VOLUMES ARE APPROXIMATE ONLY.
NO ALLOWANCE HAS BEEN MADE FOR DELETERIOUS MATERIAL, EROSION AND SEDIMENT CONTROL, BULKING OR COMPACTION OF FILLED SOILS, THE REMOVAL OF UNCONTROLLED OR CONTAMINATED MATERIAL OR ANY OTHER UNSPECIFIED EXCAVATION RELATED TO CONSTRUCTION ACTIVITIES.

LEGEND:

LEVELS DATUM IS AHD.

EXISTING LEVELS ARE BASED ON INFORMATION PROVIDED BY LANDPARTNERS TITLED SY074904.002.2.2 DATED 04/03/2022.

- 50.00 – EXISTING CONTOUR (0.2m INTERVAL)
- 50.00 – B.E.L. CONTOUR (MAJOR 1.0m)
- 50.10 – B.E.L. CONTOUR (MINOR 0.25m)
- +50.00 – B.E.L. SPOT LEVEL



NOMINATED B.E.L. DETAIL
NTS

FOR INFORMATION

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

AMENDMENTS	DATE	ISSUE
UPDATED ARCHITECTURAL MASTERPLAN	11.09.23	D
ADDITIONAL PARKING ADDED TO WH2, ACOUSTIC WALL & WALL TO WH3	10.07.23	C
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	22.06.23	A

AMENDMENTS	DATE	ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA300

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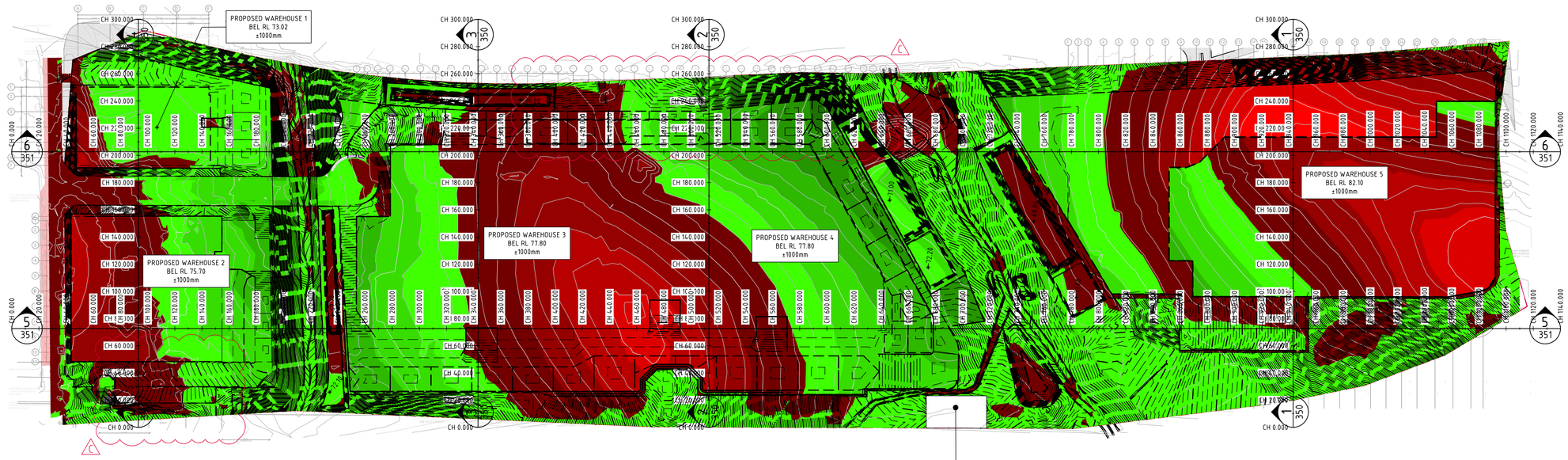
DRAWING TITLE: BULK EARTHWORKS PLAN

DRAWING No: C013904.03-SSDA300 ISSUE: D



CUT/FILL PLAN
SCALE 1:1500

DEPTH RANGE			
No.	FROM DEPTH	TO DEPTH	COLOUR
1	-11.000	-10.000	
2	-10.000	-9.000	
3	-9.000	-8.000	
4	-8.000	-7.000	
5	-7.000	-6.000	
6	-6.000	-5.000	
7	-5.000	-4.000	
8	-4.000	-3.000	
9	-3.000	-2.000	
10	-2.000	-1.000	
11	-1.000	0.000	
12	0.000	1.000	
13	1.000	2.000	
14	2.000	3.000	
15	3.000	4.000	
16	4.000	5.000	
17	5.000	6.000	
18	6.000	7.000	
19	7.000	8.000	
20	8.000	9.000	
21	9.000	10.000	

CUT

FILL

15m 0 15 30 45 60 75 90 105 120 135 150m

SCALE 1:1500 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
REVISED ARCHITECTURAL MASTERPLAN	11.09.23	D
ADDITIONAL PARKING ADDED TO WH2, ACOUSTIC WALL & WALL TO WH3	10.07.23	C
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	22.06.23	A

AMENDMENTS DATE ISSUE

ARCHITECT
PACE ARCHITECTS

CLIENT
LOGOS

PROJECT
PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA310

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CRC COSTIN ROE CONSULTING
CIVIL & STRUCTURAL ENGINEERS

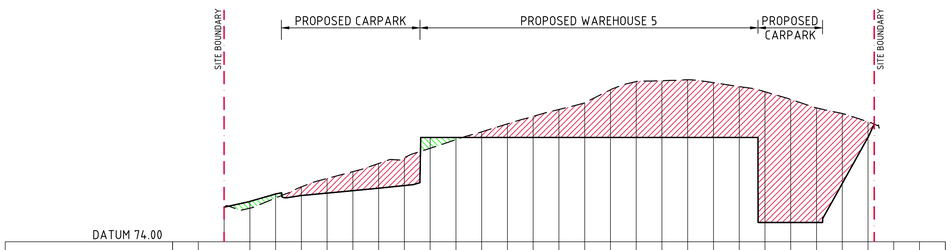
DRAWING TITLE
CUT/FILL PLAN

DRAWING No C013904.03-SSDA310

ISSUE D

LEGEND:

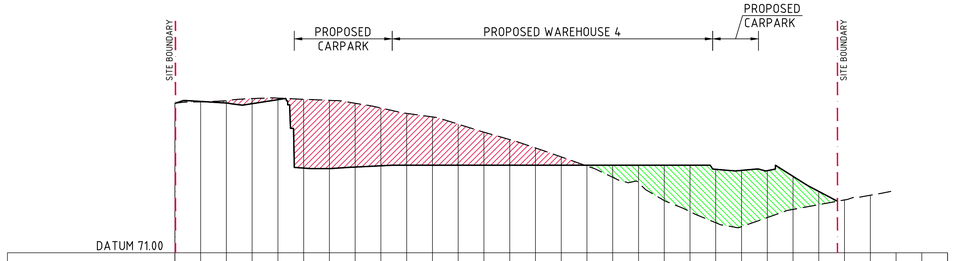
- DENOTES BULK EARTHWORKS PROFILE
- DENOTES EXISTING PROFILE
- DENOTES AREA IN CUT
- DENOTES AREA IN FILL



DATUM 74.00

CHAINAGE	EXISTING SURFACE LEVEL	BULK EARTHWORKS LEVEL	CUT/FILL DEPTH
0.000	77.19		
10.000			
30.000	76.606	77.134	0.528
40.000	77.493	77.713	0.310
50.000	78.263	77.589	-0.674
60.000	78.916	77.779	-1.138
70.000	79.447	77.969	-1.478
80.000	80.083	78.159	-1.924
90.000	80.537	78.364	-2.173
100.000	81.259	82.100	0.841
110.000	81.926	82.100	0.174
120.000	82.537	82.100	-0.437
130.000	83.155	82.100	-1.055
140.000	83.738	82.100	-1.638
150.000	84.270	82.100	-2.170
160.000	84.799	82.100	-2.699
170.000	85.293	82.100	-3.193
180.000	86.437	82.100	-4.337
190.000	86.509	82.100	-4.409
200.000	86.577	82.100	-4.477
210.000	86.355	82.100	-4.255
220.000	86.049	82.100	-3.949
230.000	85.648	75.500	-10.148
240.000	85.052	75.500	-9.552
250.000	84.400	75.500	-8.900
260.000	83.963	78.527	-5.436
270.000	83.315	82.107	-1.208
280.000			
290.000			
300.000			

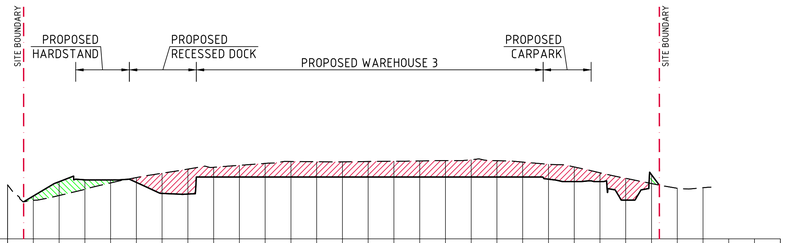
SECTION 1
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200



DATUM 71.00

CHAINAGE	EXISTING SURFACE LEVEL	BULK EARTHWORKS LEVEL	CUT/FILL DEPTH
0.000	82.61		
10.000	82.718	82.752	0.034
20.000	82.808	82.630	-0.178
30.000	82.976	82.579	-0.397
40.000	83.012	82.889	-0.124
50.000	82.919	77.575	-5.343
60.000	82.835	77.534	-5.302
70.000	82.609	77.658	-4.951
80.000	82.241	77.757	-4.484
90.000	81.822	77.800	-4.022
100.000	81.551	77.800	-3.751
110.000	80.984	77.800	-3.184
120.000	80.363	77.800	-2.563
130.000	79.792	77.800	-1.992
140.000	79.141	77.800	-1.341
150.000	78.444	77.800	-0.644
160.000	77.739	77.800	0.061
170.000	76.862	77.800	0.938
180.000	76.436	77.800	1.364
190.000	75.052	77.800	2.748
200.000	74.195	77.800	3.605
210.000	73.633	77.479	4.146
220.000	73.032	77.397	4.366
230.000	73.734	77.378	3.644
240.000	74.369	76.936	2.567
250.000	74.736	75.762	1.026
260.000	75.102	75.465	
270.000	75.465		
280.000			
290.000			
300.000			

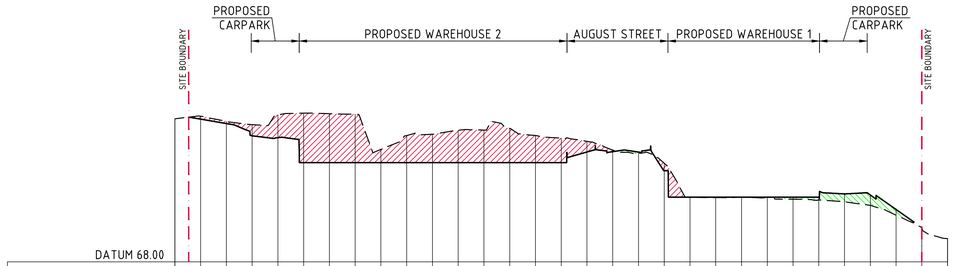
SECTION 2
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200



DATUM 73.00

CHAINAGE	EXISTING SURFACE LEVEL	BULK EARTHWORKS LEVEL	CUT/FILL DEPTH
0.000	77.19		
10.000	75.985	76.321	0.336
20.000	76.360	77.433	1.073
30.000	76.843	77.577	0.733
40.000	77.336	77.566	0.230
50.000	77.757	77.378	-0.379
60.000	78.091	76.529	-1.561
70.000	78.408	76.471	-1.937
80.000	78.553	77.800	-0.753
90.000	78.703	77.800	-0.903
100.000	78.853	77.800	-1.053
110.000	79.005	77.800	-1.205
120.000	78.984	77.800	-1.184
130.000	78.974	77.800	-1.174
140.000	79.001	77.800	-1.201
150.000	79.027	77.800	-1.227
160.000	79.047	77.800	-1.247
170.000	79.074	77.800	-1.274
180.000	79.136	77.800	-1.336
190.000	79.062	77.800	-1.262
200.000	78.956	77.800	-1.156
210.000	78.783	77.627	-1.156
220.000	78.578	77.440	-1.138
230.000	78.126	77.440	-0.686
240.000	77.694	76.000	-1.694
250.000	77.291	77.976	0.686
260.000	76.924		
270.000	76.965		
280.000			
290.000			
300.000			

SECTION 3
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200



DATUM 68.00

CHAINAGE	EXISTING SURFACE LEVEL	BULK EARTHWORKS LEVEL	CUT/FILL DEPTH
0.000	79.10		
10.000	79.302	79.079	-0.224
20.000	78.902	78.734	-0.167
30.000	78.651	77.783	-0.869
40.000	79.407	77.635	-1.772
50.000	79.538	75.700	-3.838
60.000	79.499	75.700	-3.799
70.000	79.452	75.700	-3.752
80.000	78.730	75.700	-1.030
90.000	77.803	75.700	-2.103
100.000	77.903	75.700	-2.203
110.000	78.217	75.700	-2.517
120.000	78.225	75.700	-2.525
130.000	78.358	75.700	-2.658
140.000	77.803	75.700	-2.103
150.000	77.597	75.700	-1.897
160.000	77.348	76.525	-0.823
170.000	76.677	76.549	-0.128
180.000	76.403	76.520	0.117
190.000	75.655	75.070	-0.585
200.000	73.008	73.020	0.012
210.000	72.982	73.020	0.038
220.000	73.013	73.020	0.007
230.000	72.988	73.020	0.032
240.000	72.860	73.020	0.160
250.000	72.800	73.020	0.220
260.000	72.653	73.273	0.620
270.000	72.378	73.185	0.807
280.000	72.063	71.622	0.440
290.000	70.652		
300.000	69.80		

SECTION 4
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200

2m 0 5 10 15 20m
SCALE 1:200 AT B1 SIZE SHEET

10m 0 10 20 30 40 50 60 70 80 90 100m
SCALE 1:1000 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
UPDATED ARCHITECTURAL MASTERPLAN	11.09.23	B
ISSUED FOR INFORMATION	22.06.23	A

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA350

CONSULT AUSTRALIA

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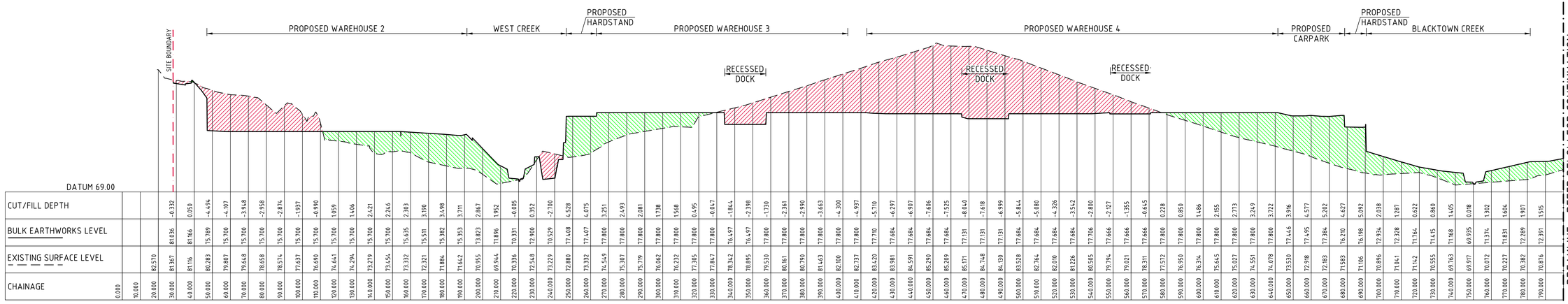
COSTIN ROE CONSULTING
CIVIL & STRUCTURAL ENGINEERS

DRAWING TITLE: BULK EARTHWORKS SECTIONS SHEET 1

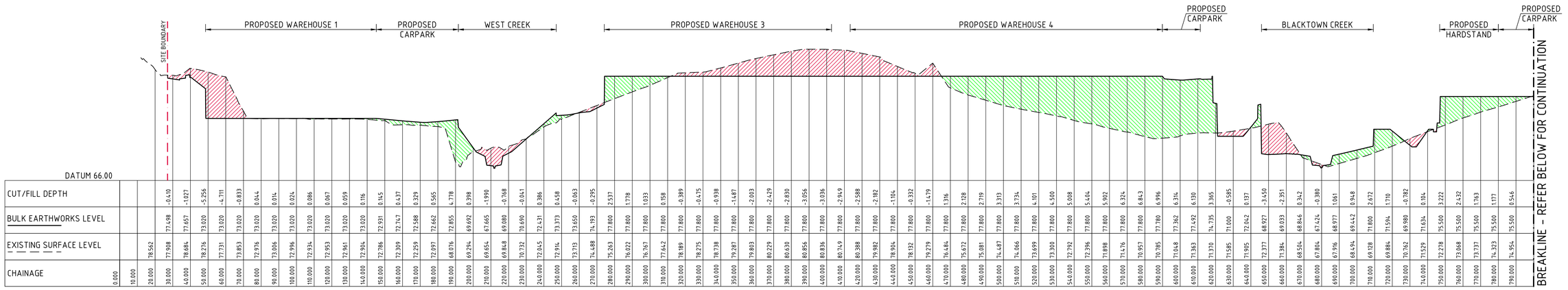
DRAWING No: C013904.03-SSDA350

ISSUE: B



DATUM 69.00

| CHAINAGE | 0.000 | 10.000 | 20.000 | 30.000 | 40.000 | 50.000 | 60.000 | 70.000 | 80.000 | 90.000 | 100.000 | 110.000 | 120.000 | 130.000 | 140.000 | 150.000 | 160.000 | 170.000 | 180.000 | 190.000 | 200.000 | 210.000 | 220.000 | 230.000 | 240.000 | 250.000 | 260.000 | 270.000 | 280.000 | 290.000 | 300.000 | 310.000 | 320.000 | 330.000 | 340.000 | 350.000 | 360.000 | 370.000 | 380.000 | 390.000 | 400.000 | 410.000 | 420.000 | 430.000 | 440.000 | 450.000 | 460.000 | 470.000 | 480.000 | 490.000 | 500.000 | 510.000 | 520.000 | 530.000 | 540.000 | 550.000 | 560.000 | 570.000 | 580.000 | 590.000 | 600.000 | 610.000 | 620.000 | 630.000 | 640.000 | 650.000 | 660.000 | 670.000 | 680.000 | 690.000 | 700.000 | 710.000 | 720.000 | 730.000 | 740.000 | 750.000 | 760.000 | 770.000 | 780.000 | 790.000 |
|---|---|---



DATUM 66.00

| CHAINAGE | 0.000 | 10.000 | 20.000 | 30.000 | 40.000 | 50.000 | 60.000 | 70.000 | 80.000 | 90.000 | 100.000 | 110.000 | 120.000 | 130.000 | 140.000 | 150.000 | 160.000 | 170.000 | 180.000 | 190.000 | 200.000 | 210.000 | 220.000 | 230.000 | 240.000 | 250.000 | 260.000 | 270.000 | 280.000 | 290.000 | 300.000 | 310.000 | 320.000 | 330.000 | 340.000 | 350.000 | 360.000 | 370.000 | 380.000 | 390.000 | 400.000 | 410.000 | 420.000 | 430.000 | 440.000 | 450.000 | 460.000 | 470.000 | 480.000 | 490.000 | 500.000 | 510.000 | 520.000 | 530.000 | 540.000 | 550.000 | 560.000 | 570.000 | 580.000 | 590.000 | 600.000 | 610.000 | 620.000 | 630.000 | 640.000 | 650.000 | 660.000 | 670.000 | 680.000 | 690.000 | 700.000 | 710.000 | 720.000 | 730.000 | 740.000 | 750.000 | 760.000 | 770.000 | 780.000 | 790.000 |
|---|---|---

CATCHMENT 1: STORMWATER MANAGEMENT SYSTEM:
COMBINED STORMWATER QUALITY/QUANTITY MANAGEMENT DEVICE
UNDERGROUND TANK WITH OCEAN PROTECT 690mm ZPG STORMFILTER UNITS
OR AN APPROVED EQUIVALENT WATER QUALITY TREATMENT DEVICE
NUMBER OF STORMFILTER CARTRIDGES = 32
ON-SITE DETENTION VOLUME PROVIDED = 680m3

ESTATE DISCHARGE POINT 1:
REHABILITATED WESTERN SWALE TO DISCHARGE UNDER THE GREAT WESTERN HIGHWAY VIA THE EXISTING CULVERT WITH FALSE HEADWALL WITH 3xø900. BLOCKOUTS TO REDUCE EXISTING 3xø1150 RCP.

CATCHMENT 3A: STORMWATER MANAGEMENT SYSTEM:
COMBINED STORMWATER QUALITY/QUANTITY MANAGEMENT BASIN
BIO-RETENTION AREA PROVIDED = 265m2
300mm EXTENDED DETENTION DEPTH
500mm MIN FILTER MEDIA
SURFACE AREA NOMINATED FOR BIO-RETENTION FILTRATION IS EXCLUSIVE OF SCOUR PROTECTION
ON-SITE DETENTION VOLUME PROVIDED = 605m3

CATCHMENT 5B: STORMWATER MANAGEMENT SYSTEM:
COMBINED STORMWATER QUALITY/QUANTITY MANAGEMENT DEVICE
UNDERGROUND TANK WITH OCEAN PROTECT 690mm ZPG STORMFILTER UNITS
OR AN APPROVED EQUIVALENT WATER QUALITY TREATMENT DEVICE
NUMBER OF STORMFILTER CARTRIDGES = 45
ON-SITE DETENTION VOLUME PROVIDED = 905m3

ESTATE DISCHARGE POINT 2:
REHABILITATED BLACKTOWN CREEK TO DISCHARGE UNDER THE GREAT WESTERN HIGHWAY VIA THE EXISTING CULVERT WITH FALSE HEADWALL WITH 3xø900. BLOCKOUTS TO REDUCE EXISTING 3x1150 RCP.

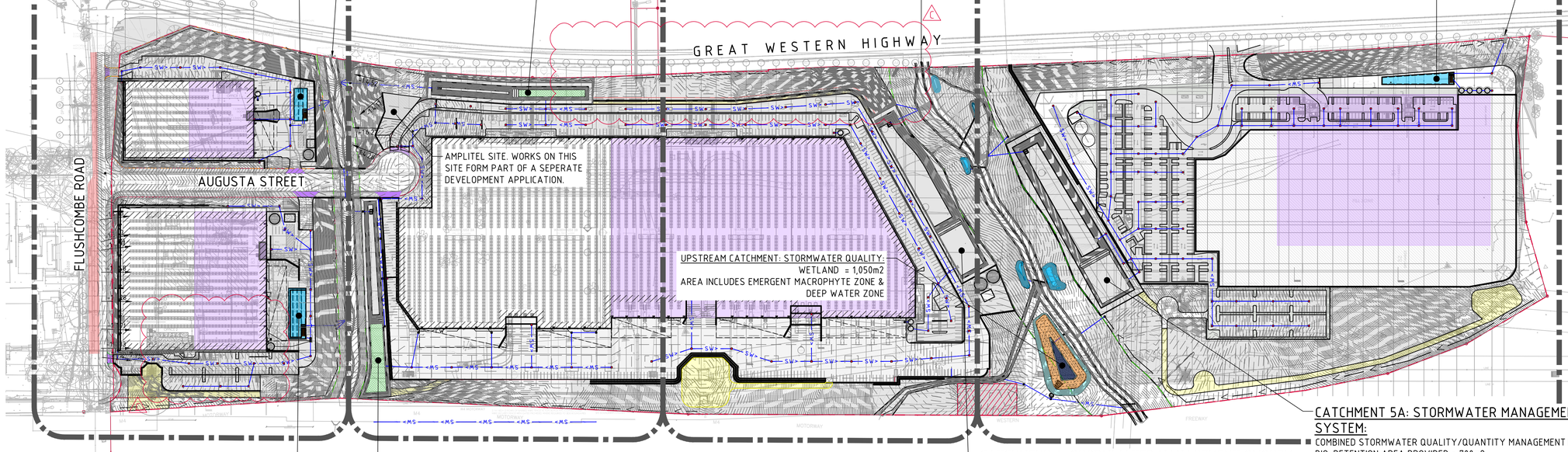
ESTATE DISCHARGE POINT 3:
CATCHMENT 5B TO DISCHARGE UNDER THE GREAT WESTERN HIGHWAY VIA THE EXISTING ø700 RCP CULVERT

REFER TO DRAWING SSDA401 FOR WAREHOUSE 1 & 2 DRAINAGE LAYOUT

REFER TO DRAWING SSDA402 FOR WAREHOUSE 3 DRAINAGE LAYOUT

REFER TO DRAWING SSDA403 FOR WAREHOUSE 4 DRAINAGE LAYOUT

REFER TO DRAWING SSDA404 TO SSDA406 FOR WAREHOUSE 5 DRAINAGE LAYOUT



CATCHMENT 5A: STORMWATER MANAGEMENT SYSTEM:
COMBINED STORMWATER QUALITY/QUANTITY MANAGEMENT BASIN
BIO-RETENTION AREA PROVIDED = 700m2
300mm EXTENDED DETENTION DEPTH
500mm MIN FILTER MEDIA
SURFACE AREA NOMINATED FOR BIO-RETENTION FILTRATION IS EXCLUSIVE OF SCOUR PROTECTION
ON-SITE DETENTION VOLUME PROVIDED = 2,960m3

CATCHMENT 4: STORMWATER MANAGEMENT SYSTEM:
COMBINED STORMWATER QUALITY/QUANTITY MANAGEMENT BASIN
BIO-RETENTION AREA PROVIDED = 650m2
300mm EXTENDED DETENTION DEPTH
500mm MIN FILTER MEDIA
SURFACE AREA NOMINATED FOR BIO-RETENTION FILTRATION IS EXCLUSIVE OF SCOUR PROTECTION
ON-SITE DETENTION VOLUME PROVIDED = 3,150m3

CATCHMENT 2: STORMWATER MANAGEMENT SYSTEM:
COMBINED STORMWATER QUALITY/QUANTITY MANAGEMENT DEVICE
UNDERGROUND TANK WITH OCEAN PROTECT 690mm ZPG STORMFILTER UNITS
OR AN APPROVED EQUIVALENT WATER QUALITY TREATMENT DEVICE
NUMBER OF STORMFILTER CARTRIDGES = 65
ON-SITE DETENTION VOLUME PROVIDED = 1150m3

CATCHMENT 3B: STORMWATER MANAGEMENT SYSTEM:
COMBINED STORMWATER QUALITY/QUANTITY MANAGEMENT BASIN
BIO-RETENTION AREA PROVIDED = 550m2
300mm EXTENDED DETENTION DEPTH
500mm MIN FILTER MEDIA
SURFACE AREA NOMINATED FOR BIO-RETENTION FILTRATION IS EXCLUSIVE OF SCOUR PROTECTION
ON-SITE DETENTION VOLUME PROVIDED = 1,555m3

STORMWATER DRAINAGE KEY PLAN
SCALE 1:1500

STORMWATER DRAINAGE NOTES:

1. ALL STORMWATER WORKS TO BE COMPLETED IN ACCORDANCE WITH AUSTRALIAN STANDARD AS3500.3 PLUMBING AND DRAINAGE, PART 3: STORMWATER DRAINAGE.
2. THE MINOR (PIPED) SYSTEM HAS BEEN DESIGNED FOR THE 1 IN 20 YEAR ARI STORM EVENT AND THE MAJOR (OVERLAND) SYSTEM HAS BEEN DESIGNED FOR THE 1 IN 100 YEAR ARI STORM EVENT.
3. ALL FINISHED PAVEMENT LEVELS SHALL BE AS INDICATED ON FINISHED LEVELS PLANS C013904.03-SSDA501.
4. PIT SIZES SHALL BE AS INDICATED IN THE SCHEDULE WHILE PIPE SIZES AND DETAILS ARE PROVIDED ON PLAN.
5. EXISTING STORMWATER PIT LOCATIONS AND INVERT LEVELS TO BE CONFIRMED BY SURVEY PRIOR TO COMMENCING WORKS ON SITE.
6. PUBLIC DOMAIN DRAINAGE TO BE MIN. CLASS 3 UNDER KERBS, AND CLASS 4 FOR PIPES CROSSING ROADS. ALL BEEING TO BLACKTOWN COUNCIL SPECIFICIATIONS OR MINIMUM HS2. MINIMUM SIZE 375mm.

7a. ALL PRIVATE STORMWATER PIPES ø375 OR GREATER SHALL BE CLASS 2 (WITH HS2 SUPPORT) REINFORCED CONCRETE WITH RUBBER RING JOINTS UNLESS NOTED OTHERWISE.

7b. ALL PRIVATE PIPES UP TO AND INCLUDING ø300 TO BE uPVC GRADE SN8 UNO.

8. PIPE CLASS NOMINATED ARE FOR IN-SERVICE LOADING CONDITIONS ONLY. CONTRACTOR IS TO MAKE ANY NECESSARY ADJUSTMENTS REQUIRED FOR CONSTRUCTION CONDITIONS.
9. ALL CONCRETE PITS GREATER THAN 1000mm DEEP SHALL BE REINFORCED USING N12-200 EACH WAY CENTERED IN WALL AND BASE. LAP MINIMUM 300mm WHERE REQUIRED. ALL CONCRETE FOR PITS SHALL BE F'c=25 MPa. PRECAST PITS MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
10. IN ADDITION TO ITEM 9 ABOVE, ALL CONCRETE PITS GREATER THAN 3000mm DEEP SHALL HAVE WALLS AND BASE THICKNESS INCREASED TO 200mm.
11. PIPES SHALL BE LAID AS PER PIPE LAYING DETAILS. PARTICULAR CARE SHALL BE TAKEN TO ENSURE THAT THE PIPE IS FULLY AND EVENLY SUPPORTED. RAM AND PACK FILLING AROUND AND UNDER BACK OF PIPES AND PIPE FAUCETS, WITH NARROW EDGED RAMMERS OR OTHER SUITABLE TAMPING DETAILS.
12. CONCRETE PIPES UNDER, OR WITHIN THE ZONE OF INFLUENCE OF PAVED AREAS SHALL BE LAID USING HS2 TYPE SUPPORT, AS A MINIMUM, IN ACCORDANCE WITH AS 3725. AGGREGATE BACKFILL SHALL NOT BE USED FOR PIPE BEDDING AND OR HAUNCH/SIDE SUPPORT.
13. WHERE PIPE LINES ENTER PITS, PROVIDE 2m LENGTH OF STOCKING WRAPPED SLOTTED ø100 uPVC TO EACH SIDE OF PIPE.
14. ALL SUBSOIL DRAINAGE LINES SHALL BE ø100 SLOTTED uPVC WITH APPROVED FILTER WRAP LAID IN 300mm WIDE GRANULAR FILTER UNLESS NOTED OTHERWISE. LAY SUBSOIL LINES TO MATCH FALLS OF LAND AND/OR 1 IN 200 MINIMUM. PROVIDE CAPPED CLEANING EYE (RODDING POINT) AT UPSTREAM END OF LINE AND AT 30m MAX. CTS. PROVIDE SUBSOIL LINES TO ALL PAVEMENT/ LANDSCAPED INTERFACES, TO REAR OF RETAINING WALLS (AS NOMINATED BY STRUCTURAL ENGINEER) AND AS SHOWN ON PLAN.
15. WHERE SUBSOIL DRAINAGE PASSES UNDER A PAVEMENT OR A SLAB, UNSLOTTED UPVC ARE TO BE PROVIDED UNLESS NOTED OTHERWISE.
16. ALL PIPE GRADES 1 IN 200 MINIMUM UNO.
17. PROVIDE STEP IRONS IN PITS DEEPER THAN 1000mm.
18. MIN. 600 COVER TO PIPE OBVERT BENEATH ROADS & MIN. 400 COVER BENEATH LANDSCAPED AND PEDESTRIAN AREAS.
19. PIT COVERS IN TRAFFICABLE PAVEMENT SHALL BE CLASS D 'HEAVY DUTY', THOSE LOCATED IN NON-TRAFFICABLE AREAS SHALL BE CLASS B 'MEDIUM DUTY' U.N.O.
20. PROVIDE CLEANING EYES (RODDING POINTS) TO PIPES AT ALL CORNERS AND T-JUNCTIONS WHERE NO PITS ARE PRESENT.
21. DOWN PIPES (DP) TO BE AS PER HYDRAULIC ENGINEERS DETAILS WITH CONNECTOR TO MATCH DP SIZE U.N.O. ON PLAN. PROVIDE CLEANING EYE AT GROUND LEVEL.
22. PIPE LENGTHS NOMINATED ON PLAN OR LONGSECTIONS ARE MEASURED FROM CENTER OF PITS TO THE NEAREST 0.5m AND DO NOT REPRESENT ACTUAL LENGTH. THE CONTRACTOR IS TO ALLOW FOR THIS.
23. WHERE CONNECTION TO EXISTING INGROUND DRAINAGE SYSTEMS, OPEN SWALES, CHANNELS OR ANY OTHER EXISTING SYSTEM, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION AND INVERT ON SITE AT THE BEGINNING OF THE CONSTRUCTION PERIOD. REFER ANY VARIANCE FROM DOCUMENTATION OR SURVEYS TO THE ENGINEER FOR CLARIFICATION.

LEGEND:
LEVELS DATUM IS AHD.

EXISTING LEVELS ARE BASED ON INFORMATION PROVIDED BY LANDPARTNERS TITLED SY074904.002.2.2 DATED 04/03/2022.

- SGGP, SINGLE GRATED GULLY PIT
- SJP, SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- GD, GRATED DRAIN (300W x 225D UNO)
- SW> PROPOSED DRAINAGE LINE
- SW> EXISTING DRAINAGE LINE
- DP ROOFWATER DOWNPIPE (INDICATIVE)
- RW> ROOFWATER LINE
- SS> SUBSOIL LINE
- OVERLAND FLOW DIRECTION
- 50.00 FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
- 50.10 FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS

LEVELS NOTE:
LEVELS SHOWN TO BE +/-1000mm FROM THOSE SHOWN.
FINAL LEVELS SUBJECT TO FINAL GEOTECHNICAL INVESTIGATIONS, ARCHITECTURAL LAYOUT AND ACHIEVING A CUT TO FILL EARTHWORKS BALANCE OVER THE PROPERTY.

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
REVISED ARCHITECTURAL	11.09.23	D
ADDITIONAL PARKING ADDED TO WH2, ACOUSTIC WALL & WALL TO WH3	10.07.23	C
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS
PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA400

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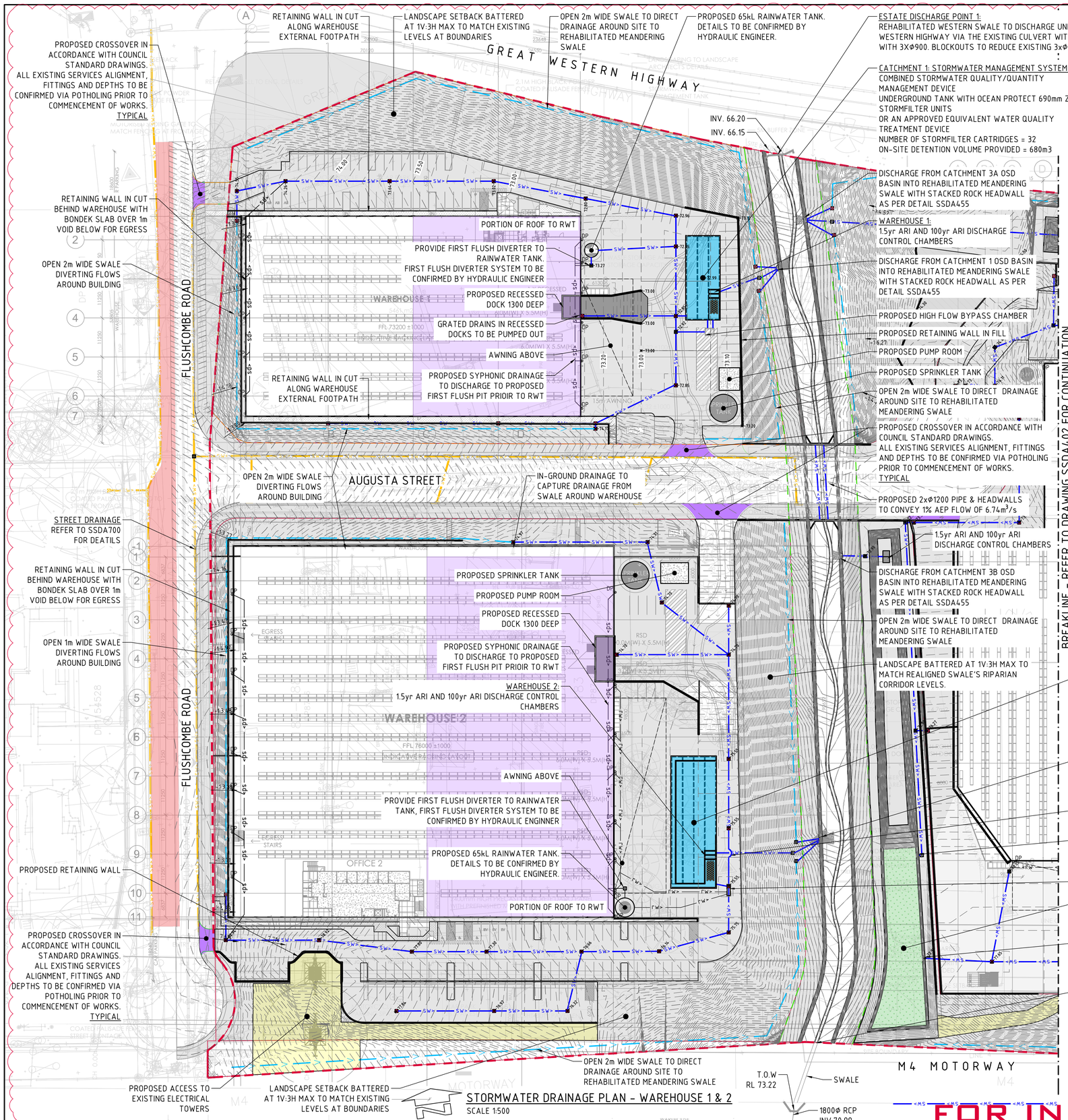
DRAWING TITLE: STORMWATER DRAINAGE KEY PLAN
DRAWING No: C013904.03-SSDA400
ISSUE: D



STORMWATER DRAINAGE PLAN - WAREHOUSE 1 & 2

SCALE 1:500

WAREHOUSE 1 NOTE:

PITS TO BE FITTED WITH OCEAN PROTECT 'OCEANGUARD OG200' INSERT. SHOWN THUS ◇
TOTAL NUMBER OF PIT INSERTS =25
REFER TO PIT SCHEDULE BELOW.

WAREHOUSE 2 NOTE:

PITS TO BE FITTED WITH OCEAN PROTECT 'OCEANGUARD OG200' INSERT. SHOWN THUS ◇
TOTAL NUMBER OF PIT INSERTS =55
REFER TO PIT SCHEDULE BELOW.

ROOFWATER NOTE:

ROOFWATER LINES TO HAVE NOMINAL 0.5% FALL TO PITS.
ENSURE MINIMUM 600 COVER IS MAINTAINED TO ALL PIPES.
REFER ALL CONCERN TO ENGINEER. TYPICAL

LEVELS NOTE:

LEVELS SHOWN TO BE +/-1000mm FROM THOSE SHOWN.
FINAL LEVELS SUBJECT TO FINAL GEOTECHNICAL INVESTIGATIONS, ARCHITECTURAL LAYOUT AND ACHIEVING A CUT TO FILL EARTHWORKS BALANCE OVER THE PROPERTY.

GENERAL NOTES:

SUBSOIL DRAINAGE TO BE INSTALLED ALONG ALL KERB AND LANDSCAPED INTERFACES.

LEGEND:

LEVELS DATUM IS AHD.

EXISTING LEVELS ARE BASED ON INFORMATION PROVIDED BY LANDPARTNERS TITLED SY074904.002.2.2 DATED 04/03/2022.

- SGGP, SINGLE GRATED GULLY PIT
- SJP, SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- GD, GRATED DRAIN (300W x 225D UNO)
- SW> - PROPOSED DRAINAGE LINE
- SW> - EXISTING DRAINAGE LINE
- DP - ROOFWATER DOWNPIPE (INDICATIVE)
- RW> - ROOFWATER LINE
- SS> - SUBSOIL LINE
- SD> - SIPHONIC LINE
- <MS - OPEN SWALE
- OVERLAND FLOW DIRECTION
- 50.00 - FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
- 50.10 - FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS
- DENOTES PROPOSED BIORETENTION AREA

NOTES:

1. REFER TO DRAWING SSDA400 FOR STORMWATER DRAINAGE NOTES.

5m 0 10 20 30 40 50m
SCALE 1:500 AT B1 SIZE SHEET

FOR INFORMATION D

AMENDMENTS	DATE	ISSUE
REVISED ARCHITECTURAL MASTERPLAN	11.09.23	D
ADDITIONAL PARKING TO WH2	10.07.23	C
REVISED AS CLOUDED	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS
PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA401

CONSULT AUSTRALIA

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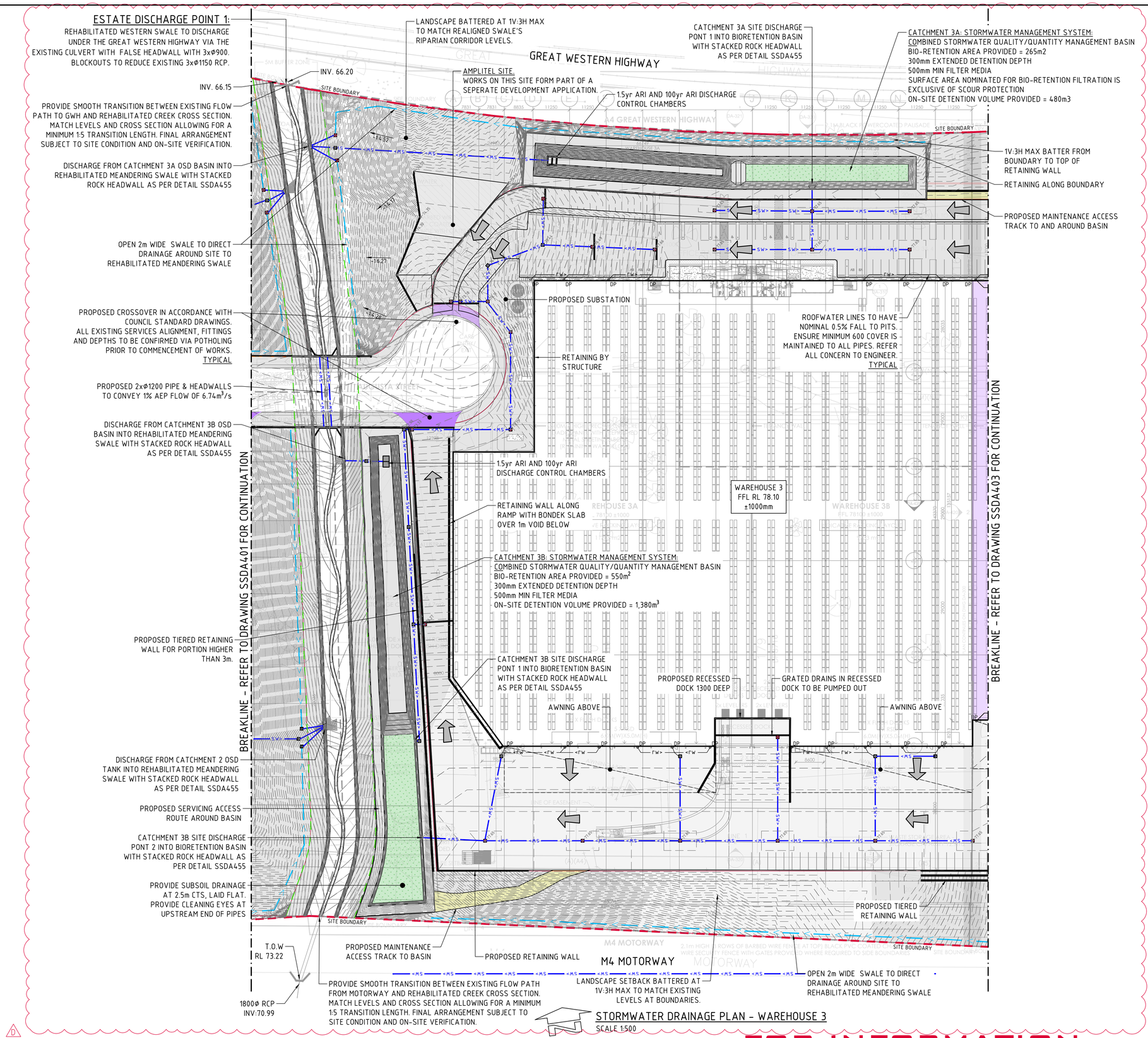
DRAWING TITLE: STORMWATER DRAINAGE PLAN WAREHOUSE 1 & 2
DRAWING No: C013904.03-SSDA401
ISSUE: D



NOTE:

PITS TO BE FITTED WITH OCEAN PROTECT 'OCEANGUARD OG200' INSERT. SHOWN THUS ◇
TOTAL NUMBER OF PIT INSERTS
REFER TO PIT SCHEDULE BELOW.

ROOFWATER NOTE:

ROOFWATER LINES TO HAVE NOMINAL 0.5% FALL TO PITS.
ENSURE MINIMUM 600 COVER IS MAINTAINED TO ALL PIPES.
REFER ALL CONCERN TO ENGINEER. TYPICAL

LEVELS NOTE:

LEVELS SHOWN TO BE +/-1000mm FROM THOSE SHOWN.
FINAL LEVELS SUBJECT TO FINAL GEOTECHNICAL INVESTIGATIONS, ARCHITECTURAL LAYOUT AND ACHIEVING A CUT TO FILL EARTHWORKS BALANCE OVER THE PROPERTY.

GENERAL NOTES:

SUBSOIL DRAINAGE TO BE INSTALLED ALONG ALL KERB AND LANDSCAPED INTERFACES.

NOTES:

1. REFER TO DRAWING SSDA400 FOR STORMWATER DRAINAGE NOTES.

LEGEND:

LEVELS DATUM IS AHD.

EXISTING LEVELS ARE BASED ON INFORMATION PROVIDED BY LANDPARTNERS TITLED SY074904.002.2.2 DATED 04/03/2022.

- SGGP, SINGLE GRATED GULLY PIT
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- KIP, KERB INLET PIT
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- PROPOSED DRAINAGE LINE
- EXISTING DRAINAGE LINE
- ROOFWATER DOWNPIPE (INDICATIVE)
- ROOFWATER LINE
- SUBSOIL LINE
- SIPHONIC LINE
- OPEN SWALE
- OVERLAND FLOW DIRECTION
- FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
- FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS
- DENOTES PROPOSED BIORETENTION AREA

5m 0 10 20 30 40 50m
SCALE 1:500 AT B1 SIZE SHEET

D

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
REVISED ARCHITECTURAL MASTERPLAN	11.09.23	D
ACOUSTIC BUNDING & WALL TO WH3	10.07.23	C
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA402

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CIVIL & STRUCTURAL ENGINEERS

DRAWING TITLE: STORMWATER DRAINAGE PLAN WAREHOUSE 3
DRAWING No: C013904.03-SSDA402
ISSUE: D

LANDSCAPE SETBACK BATTERED AT 1V:3H MAX TO MATCH EXISTING LEVELS AT BOUNDARIES

PROPOSED MAINTENANCE ACCESS TRACK TO AND AROUND BASIN

DISCHARGE FROM CATCHMENT 4 OSD BASIN INTO REHABILITATED BLACKTOWN CREEK WITH STACKED ROCK HEADWALL AS PER DETAIL SSDA455

PROVIDE SMOOTH TRANSITION BETWEEN EXISTING FLOW PATH TO GWH AND REHABILITATED CREEK CROSS SECTION. MATCH LEVELS AND CROSS SECTION ALLOWING FOR A MINIMUM 1:5 TRANSITION LENGTH. FINAL ARRANGEMENT SUBJECT TO SITE CONDITION AND ON-SITE VERIFICATION.".

FALSE HEADWALL WITH 3x900ϕ BLOCKOUTS TO REDUCE EXISTING 3x1150ϕ RCP

ESTATE DISCHARGE POINT 2:
REHABILITATED BLACKTOWN CREEK TO DISCHARGE UNDER THE GREAT WESTERN HIGHWAY VIA THE EXISTING CULVERT WITH FALSE HEADWALL WITH 3xϕ900mmϕ. BLOCKOUTS TO REDUCE EXISTING 3xϕ1150 RCP.

GREAT WESTERN HIGHWAY

PROPOSED 1m HIGH WALL BEHIND ACCESS TRACK WITH A 2m WIDE 1V:2.5H MAC BATTER BEHIND WALL

PROPOSED ACOUSTIC FENCE ALONG GREAT WESTERN HIGHWAY BOUNDARY ON TOP OF BATTER SHOWN

INV. 66.07

LOW FLOW DIVERSION ROCK WALL TO FROG POND

PROPOSED TIERED RETAINING WALL FOR PORTION HIGHER THAN 3m

DISCHARGE FROM CATCHMENT 5A OSD BASIN INTO REHABILITATED BLACKTOWN CREEK WITH STACKED ROCK HEADWALL AS PER DETAIL SSDA455

PROPOSED MAINTENANCE ACCESS TRACK AROUND BASIN

LOW FLOW DIVERSION ROCK WALL TO FROG POND

CATCHMENT 5: STORMWATER MANAGEMENT SYSTEM:
REFER TO DRAWING SSDA403

ROOFWATER LINES TO HAVE NOMINAL 0.5% FALL TO PITS. ENSURE MINIMUM 600 COVER IS MAINTAINED TO ALL PIPES. REFER ALL CONCERN TO ENGINEER. TYPICAL

PROVIDE FIRST FLUSH DIVERTER TO RAINWATER TANK.
FIRST FLUSH DIVERTER SYSTEM TO BE CONFIRMED BY HYDRAULIC ENGINEER

PROPOSED 85KL RAINWATER TANK. DETAILS TO BE CONFIRMED BY HYDRAULIC ENGINEER.

PROPOSED RETAINING WALL

PROPOSED RETAINING WALL

CATCHMENT 4: STORMWATER MANAGEMENT SYSTEM:
COMBINED STORMWATER QUALITY/QUANTITY MANAGEMENT BASIN
BIO-RETENTION AREA PROVIDED = 650m2
300mm EXTENDED DETENTION DEPTH
500mm MIN FILTER MEDIA
ON-SITE DETENTION VOLUME PROVIDED = 2,530m3

PORTION OF ROOF TO RWT

WAREHOUSE 4
FFL RL 78.10
±1000mm

LOW FLOW DIVERSION ROCK WALL TO FROG POND

PROPOSED SPRINKLER TANK

PROPOSED RETAINING WALL

CATCHMENT 4 SITE DISCHARGE POINT 1 INTO BIORETENTION BASIN WITH STACKED ROCK HEADWALL AS PER DETAIL SSDA455

PROPOSED SYPHONIC DRAINAGE TO DISCHARGE TO PROPOSED FIRST FLUSH PIT PRIOIR TO RWT

PROPOSED RECESSED DOCK 1300 DEEP

GRATED DRAIN IN RECESSED DOCK TO BE PUMPED OUT

PROPOSED RECESSED DOCK 1300 DEEP

GRATED DRAIN IN RECESSED DOCK TO BE PUMPED OUT

PROPOSED 2x65KL RAINWATER TANK. DETAILS TO BE CONFIRMED BY HYDRAULIC ENGINEER.

PROVIDE FIRST FLUSH DIVERTER TO RAINWATER TANK.
FIRST FLUSH DIVERTER SYSTEM TO BE CONFIRMED BY HYDRAULIC ENGINEER

PROPOSED PUMP ROOM

DISCHARGE FROM OVERLAND FLOW CHANNEL INTO REHABILITATED BLACKTOWN CREEK WITH STACKED ROCK HEADWALL AS PER DETAIL SSDA455

WETLAND EMERGENCY SPILLWAY

AWNING ABOVE

AWNING ABOVE

AWNING ABOVE

PROPOSED RETAINING WALL

DISCHARGE FROM WETLAND INTO REHABILITATED BLACKTOWN CREEK WITH STACKED ROCK HEADWALL AS PER DETAIL SSDA455

RAMP UP TO HARDSTAND ABOVE

AREA OF HARDSTAND SET LOWER TO CLEAR OF OVERHEAD CABLES

LOW FLOW DIVERSION ROCK WALL TO GPT

WETLAND
REFER TO DRAWING SSDA410 FOR PLAN

PROPOSED TIERED RETAINING WALL FOR PORTION HIGHER THAN 3m

BREAK IN KERB TO ALLOW OVERLAND FLOW TO ESCAPE IN THE EVENT OF BLOCKAGES IN DRAINAGE SYSTEM

OPEN SWALE DIVERTING OVERLAND FLOW FROM UPSTREAM CATCHMENT AROUND SITE ALONG SIMILAR ROUTE TO EXISTING

T.O.W
RL 76.16

900ϕ RCP
INV:74.80

GROSS POLLUTANT TRAP PRIOR TO DISCHARGE INTO WETLAND. OCEANPROTECT OCEANSAVE OR SIMILAR APPROVED

SITE BOUNDARY

M4 MOTORWAY

PROPOSED TIERED RETAINING WALL FOR PORTION HIGHER THAN 3m

LANDSCAPE SETBACK BATTERED AT 1V:3H MAX TO MATCH EXISTING LEVELS AT BOUNDARIES

PROPOSED ACCESS TO EXISTING ELECTRICAL TOWERS

HERITAGE SITE SHOWN THUS. NO WORKS WITHIN HERITAGE ZONE. MATCH LEVELS AT BOUNDARY OF HERITAGE SITE.

BREAKLINE - REFER TO DRAWING SSDA402 FOR CONTINUATION

BREAKLINE - REFER TO DRAWING SSDA404 FOR CONTINUATION

STORMWATER DRAINAGE PLAN - WAREHOUSE 4
SCALE 1:500

LEVELS NOTE:
LEVELS SHOWN TO BE +/-1000mm FROM THOSE SHOWN.
FINAL LEVELS SUBJECT TO FINAL GEOTECHNICAL INVESTIGATIONS, ARCHITECTURAL LAYOUT AND ACHIEVING A CUT TO FILL EARTHWORKS BALANCE OVER THE PROPERTY.

ROOFWATER NOTE:
ROOFWATER LINES TO HAVE NOMINAL 0.5% FALL TO PITS.
ENSURE MINIMUM 600 COVER IS MAINTAINED TO ALL PIPES.
REFER ALL CONCERN TO ENGINEER. TYPICAL

NOTE:
PITS TO BE FITTED WITH OCEAN PROTECT 'OCEANGUARD OG200' INSERT. SHOWN THUS ◇
TOTAL NUMBER OF PIT INSERTS
REFER TO PIT SCHEDULE BELOW.

GENERAL NOTES:
SUBSOIL DRAINAGE TO BE INSTALLED ALONG ALL KERB AND LANDSCAPED INTERFACES.

NOTES:
1. REFER TO DRAWING SSDA400 FOR STORMWATER DRAINAGE NOTES.

LEGEND:
LEVELS DATUM IS AHD.

EXISTING LEVELS ARE BASED ON INFORMATION PROVIDED BY LANDPARTNERS TITLED SY074904.002.2.2 DATED 04/03/2022.

- SGGP, SINGLE GRATED GULLY PIT
- SJP, SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- GD, GRATED DRAIN (300W x 225D UNO)
- PROPOSED DRAINAGE LINE
- EXISTING DRAINAGE LINE
- ROOFWATER DOWNPIPE (INDICATIVE)
- ROOFWATER LINE
- SUBSOIL LINE
- SIPHONIC LINE
- OPEN SWALE
- OVERLAND FLOW DIRECTION
- FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
- FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS
- DENOTES PROPOSED BIORETENTION AREA

5m 0 10 20 30 40 50m
SCALE 1:500 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
REVISED ARCHITECTURAL	11.09.23	D
ACOUSTIC BUNDING & WALL TO WH3	10.07.23	C
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS
PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA403

CONSULT AUSTRALIA

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COSTIN ROE CONSULTING | CIVIL & STRUCTURAL ENGINEERS

DRAWING TITLE: STORMWATER DRAINAGE PLAN WAREHOUSE 4
DRAWING No: C013904.03-SSDA403
ISSUE: D

PROPOSED TIERED RETAINING WALL FOR PORTION HIGHER THAN 3m

LANDSCAPE SETBACK BATTERED AT 1V:3H MAX TO MATCH EXISTING LEVELS AT BOUNDARIES

ACCESS TO WAREHOUSE 5 FROM GWH DESIGNED BY ALTERNATE CONSULTANT. DESIGN DOCUMENTS REGARDING ACCESS FROM TFNSW ASSET TO FORM PART OF THE SSDA APPLICATION

GREAT WESTERN HIGHWAY

LANDSCAPE SETBACK BATTERED AT 1V:3H MAX TO MATCH EXISTING LEVELS AT BOUNDARIES

700ø RCP
INV: 74.06

ITE BOUNDARY

TOW: 76.04

ESTATE DISCHARGE POINT 2:
CATCHMENT 5B TO DISCHARGE UNDER THE GREAT WESTERN HIGHWAY VIA THE EXISTING 700mm ø RCP CULVERT

PROPOSED 2x65KL RAINWATER TANK. DETAILS TO BE CONFIRMED BY HYDRAULIC ENGINEER.

PROVIDE FIRST FLUSH DIVERTER TO RAINWATER TANK.
FIRST FLUSH DIVERTER SYSTEM TO BE CONFIRMED BY HYDRAULIC ENGINEER

SITE BOUNDARY

PROPOSED SPRINKLER TANK

PROPOSED COMBINED OSD AND STORMWATER QUALITY SYSTEM TO BE CONSTRUCTED BELOW THE SUSPENDED RAMP UP TO THE UPPER LEVELS. PORTION OF ROOF WATER AND RAMPS SHOWN TO DISCHARGE INTO TANK

CARPARK SET BELOW SUSPENDED WAREHOUSING ABOVE"

CATCHMENT 5A: STORMWATER MANAGEMENT SYSTEM:
COMBINED STORMWATER QUALITY/QUANTITY MANAGEMENT BASIN
BIO-RETENTION AREA PROVIDED = 700m2
300mm EXTENDED DETENTION DEPTH
500mm MIN FILTER MEDIA
ON-SITE DETENTION VOLUME PROVIDED = 2,270m3

PROPOSED RETAINING WALL

PROPOSED HIGH FLOW/LOW FLOW SPLITTER PIT

CATCHMENT 5A SITE DISCHARGE POINT 1
INTO BIORETENTION BASIN WITH STACKED ROCK HEADWALL AS PER DETAIL SSDA455

PORTION OF ROOF TO RWT
INDICATIVELY SHOWN INDICATIVELY SHOWN TO BE DISCHARGED VIA SYPHONIC ROOF DRAINAGE TO PROPOSED FIRST FLUSH PIT PRIOIR TO RWT

CARPARK SET BELOW SUSPENDED WAREHOUSING ABOVE"

CULVERT OR SIMILAR BRIDGING STRUCTURE BELOW WAREHHOUSE TO EXTERNAL PARKING AREA

PROPOSED RETAINING WALL

PROPOSED TIERED RETAINING WALL FOR PORTION HIGHER THAN 3m

PROPOSED RETAINING WALL

WETLAND EMERGENCY SPILLWAY

DISCHARGE FROM WETLAND INTO REHABILITATED BLACKTOWN CREEK WITH STACKED ROCK HEADWALL AS PER DETAIL SSDA455

PROPOSED MAINTENANCE ACCESS TRACK AROUND BASIN

WETLAND
REFER TO DRAWING SSDA410 FOR PLAN

GROSS POLLUTANT TRAP PRIOR TO DISCHARGE INTO WETLAND. OCEANPROTECT OCEANSAVE OR SIMILAR APPROVED

LOW FLOW DIVERSION ROCK WALL TO GPT

TOW: 73.76

1800ø RCP
INV: 71.50

PROVIDE SMOOTH TRANSITION BETWEEN EXISTING FLOW PATH FROM MOTORWAY AND REHABILITATED CREEK CROSS SECTION. MATCH LEVELS AND CROSS SECTION ALLOWING FOR A MINIMUM 1:5 TRANSITION LENGTH. FINAL ARRANGEMENT SUBJECT TO SITE CONDITION AND ON-SITE VERIFICATION.

M4 MOTORWAY

PROPOSED ACCESS TO EXISTING ELECTRICAL TOWERS

LANDSCAPE SETBACK BATTERED AT 1V:3H MAX TO MATCH EXISTING LEVELS AT BOUNDARIES

BREAKLINE - REFER TO DRAWING SSDA403 FOR CONTINUATION

STORMWATER DRAINAGE PLAN - WAREHOUSE 5 GROUND FLOOR
SCALE 1:500

GENERAL NOTES:
SUBSOIL DRAINAGE TO BE INSTALLED ALONG ALL KERB AND LANDSCAPED INTERFACES.

NOTES:
1. REFER TO DRAWING SSDA400 FOR STORMWATER DRAINAGE NOTES.

LEGEND:
LEVELS DATUM IS AHD.

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- sw> - EXISTING DRAINAGE LINE
- DP - ROOFWATER DOWNPIPE (INDICATIVE)
- rw> - ROOFWATER LINE
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- OPEN SWALE
- OVERLAND FLOW DIRECTION
- 50.00 - FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
- 50.10 - FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS
- DENOTES PROPOSED BIORETENTION AREA

NOTE:
PITS TO BE FITTED WITH OCEAN PROTECT 'OCEANGUARD OG200' INSERT. SHOWN THUS ◇
TOTAL NUMBER OF PIT INSERTS
REFER TO PIT SCHEDULE BELOW.

LEVELS NOTE:
LEVELS SHOWN TO BE +/-1000mm FROM THOSE SHOWN.
FINAL LEVELS SUBJECT TO FINAL GEOTECHNICAL INVESTIGATIONS, ARCHITECTURAL LAYOUT AND ACHIEVING A CUT TO FILL EARTHWORKS BALANCE OVER THE PROPERTY.

ROOFWATER NOTE:
ROOFWATER LINES TO HAVE NOMINAL 0.5% FALL TO PITS.
ENSURE MINIMUM 600 COVER IS MAINTAINED TO ALL PIPES.
REFER ALL CONCERN TO ENGINEER. TYPICAL

5m 0 10 20 30 40 50m
SCALE 1:500 AT B1 SIZE SHEET

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AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA404

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DRAWING TITLE: STORMWATER DRAINAGE PLAN WAREHOUSE 5 GROUND FLOOR
DRAWING No: C013904.03-SSDA404
ISSUE: D

DISCHARGE FROM CATCHMENT 4 OSD BASIN INTO REHABILITATED BLACKTOWN CREEK WITH STACKED ROCK HEADWALL AS PER DETAIL SSDA455

PROVIDE SMOOTH TRANSITION BETWEEN EXISTING FLOW PATH TO GWH AND REHABILITATED CREEK CROSS SECTION. MATCH LEVELS AND CROSS SECTION ALLOWING FOR A MINIMUM 1:5 TRANSITION LENGTH. FINAL ARRANGEMENT SUBJECT TO SITE CONDITION AND ON-SITE VERIFICATION.".

FALSE HEADWALL WITH 3x900ϕ BLOCKOUTS TO REDUCE EXISTING 3x1150ϕ RCP

ESTATE DISCHARGE POINT 2:
REHABILITATED BLACKTOWN CREEK TO DISCHARGE UNDER THE GREAT WESTERN HIGHWAY VIA THE EXISTING CULVERT WITH FALSE HEADWALL WITH 3X 900mmϕ. BLOCKOUTS TO REDUCE EXISTING 3X 1150mmϕ RCP.

GREAT WESTERN HI

GREAT WESTERN HIGHWAY

1% AEP FLOW
4.4m³/s

INV. 66.07

PERMANENT POND 2
10m X 5m APPROX.

LOW FLOW DIVERSION ROCK WALL TO FROG POND

DISCHARGE FROM CATCHMENT 5A OSD BASIN INTO REHABILITATED BLACKTOWN CREEK WITH STACKED ROCK HEADWALL AS PER DETAIL SSDA455

PROPOSED MAINTENANCE ACCESS TRACK AROUND BASIN

LOW FLOW DIVERSION ROCK WALL TO FROG POND

PROPOSED TIERED RETAINING WALL FOR PORTION HIGHER THAN 3m

PROPOSED RETAINING WALL

PROPOSED RETAINING WALL

EPHEMERAL POND 2
10m X 5m APPROX.

CATCHMENT 4: STORMWATER MANAGEMENT STRUCTURE:
COMBINED STORMWATER QUALITY/QUANTITY MANAGEMENT BASIN
BIO-RETENTION AREA PROVIDED = 650m2
300mm EXTENDED DETENTION DEPTH
500mm MIN FILTER MEDIA
ON-SITE DETENTION VOLUME PROVIDED = 2,530m3

WAREHOUSE 5
REFER DRAWING
SSDA404 &
SSDA504

CATCHMENT 5: STORMWATER MANAGEMENT STRUCTURE:
COMBINED STORMWATER QUALITY/QUANTITY MANAGEMENT BASIN
BIO-RETENTION AREA PROVIDED = 700m2
300mm EXTENDED DETENTION DEPTH
500mm MIN FILTER MEDIA
ON-SITE DETENTION VOLUME PROVIDED = 2,270m3

WAREHOUSE 4
REFER DRAWING
SSDA403 &
SSDA503

PERMANENT POND 1
20m X 10m APPROX.

1% AEP FLOW
9.17m³/s

CATCHMENT 4 SITE DISCHARGE POINT 1 INTO BIORETENTION BASIN WITH STACKED ROCK HEADWALL AS PER DETAIL SSDA455

CATCHMENT 5A SITE DISCHARGE PONT 1 INTO BIORETENTION BASIN WITH STACKED ROCK HEADWALL AS PER DETAIL SSDA455

PROPOSED MAINTENANCE ACCESS TRACK TO AND AROUND BASIN

EPHEMERAL POND 1
20m X 5m APPROX.

LOW FLOW DIVERSION ROCK WALL TO FROG POND

EMERGENCY WETLAND SPILLWAY

DISCHARGE FROM OVERLAND FLOW CHANNEL INTO REHABILITATED BLACKTOWN CREEK WITH STACKED ROCK HEADWALL AS PER DETAIL SSDA455

SHUT OFF VALVE

DISCHARGE FROM WETLAND INTO REHABILITATED BLACKTOWN CREEK WITH STACKED ROCK HEADWALL AS PER DETAIL SSDA455

LOW FLOW DIVERSION ROCK WALL TO GPT

BREAK IN KERB TO ALLOW OVERLAND FLOW TO ESCAPE IN THE EVENT OF BLOCKAGES IN DRAINAGE SYSTEM

PROPOSED WETLAND

1% AEP FLOW
7.60m³/s

LOW FLOW DIVERSION ROCK WALL TO GPT

OPEN SWALE DIVERTING OVERLAND FLOW FROM UPSTREAM CATCHMENT AROUND SITE ALONG SIMILAR ROUTE TO EXISTING.

1% AEP FLOW
1.75m³/s

T.O.W
RL 76.16

HERITAGE AREA

900ϕ RCP
INV:74.80

M4 MOTORWAY

HERITAGE ZONE
REFER TO ARCHITECTS DRAWINGS

GROSS POLLUTANT TRAP PRIOR TO DISCHARGE INTO WETLAND. OCEANPROTECT OCEANSAVE OR SIMILAR APPROVED

PROVIDE SMOOTH TRANSITION BETWEEN EXISTING FLOW PATH FROM MOTORWAY AND REHABILITATED CREEK CROSS SECTION. MATCH LEVELS AND CROSS SECTION ALLOWING FOR A MINIMUM 1:5 TRANSITION LENGTH. FINAL ARRANGEMENT SUBJECT TO SITE CONDITION AND ON-SITE VERIFICATION.

M4 MOTORWAY

SITE BOUNDARY

BLACKTOWN CREEK REALIGNMENT PLAN
SCALE 1:500

LEGEND:

ECOLOGY INFORMATION PROVIDED BY TRAVERS BUSHFIRE & ECOLOGY REF No. 20CHH02 DATED 04.05.2021

- FULL REVEGETATION OF PCT 1071 FRESHWATER WETLAND
- FULL REVEGETATION OF PCT 1071 (EMERGENT ZONE)
- FULL REVEGETATION OF PCT 1071 (DEEP WATER ZONE)
- DENOTES BIO-RETENTION ZONE

LEGEND:

LEVELS DATUM IS AHD.

EXISTING LEVELS ARE BASED ON INFORMATION PROVIDED BY LANDPARTNERS TITLED SY074904.002.2.2 DATED 04/03/2022.

- SGGP, SINGLE GRATED GULLY PIT
- SJP, SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- GD, GRATED DRAIN (300W x 225D UNO)
- PROPOSED DRAINAGE LINE
- EXISTING DRAINAGE LINE
- ROOFWATER DOWNPIPE (INDICATIVE)
- ROOFWATER LINE
- SUBSOIL LINE
- SIPHONIC LINE
- OPEN SWALE
- OVERLAND FLOW DIRECTION
- FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
- FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS
- DENOTES PROPOSED BIORETENTION AREA

5m 0 10 20 30 40 50m
SCALE 1:500 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
REVISED ARCHITECTURAL	11.09.23	D
REVISED AS CLOUDED	10.07.23	C
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS
PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA410

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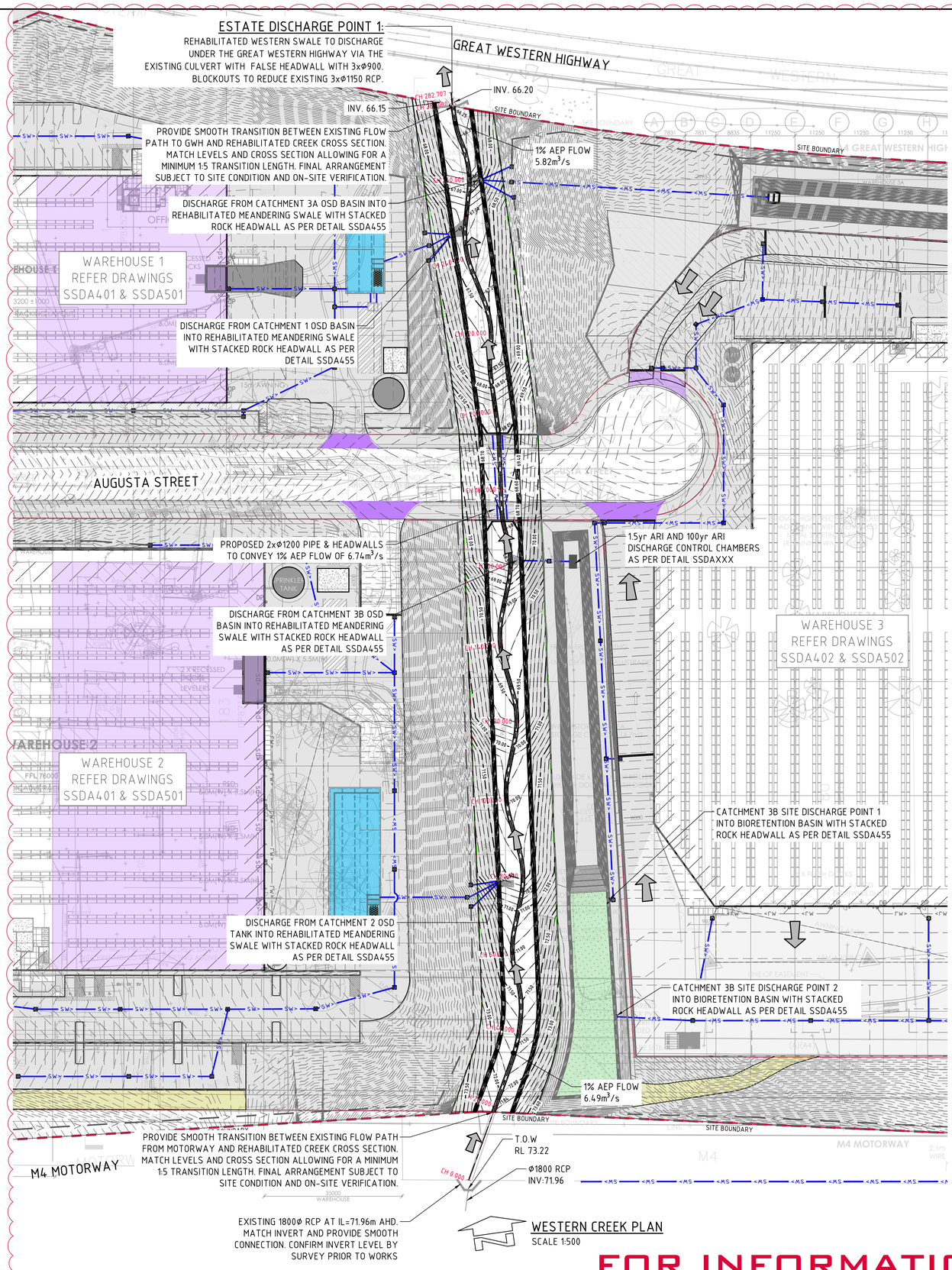
DRAWING TITLE: BLACKTOWN CREEK REALIGNMENT PLAN
DRAWING No: C013904.03-SSDA410
ISSUE: D



WESTERN CREEK PLAN
SCALE 1:500

FOR INFORMATION

5m 0 10 20 30 40 50m
SCALE 1:500 AT B1 SIZE SHEET

AMENDMENTS	DATE	ISSUE
REVISED ARCHITECTURAL	11.09.23	D
REVISED AS CLOUDED	10.07.23	C
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS
PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
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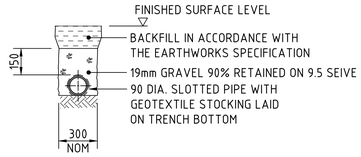
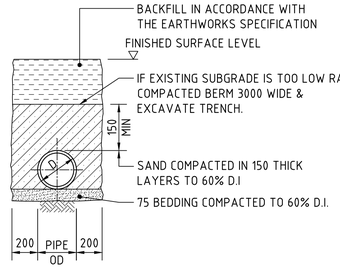
DRAWING TITLE: WESTERN CREEK PLAN
DRAWING No: C013904.03-SSDA415
ISSUE: D



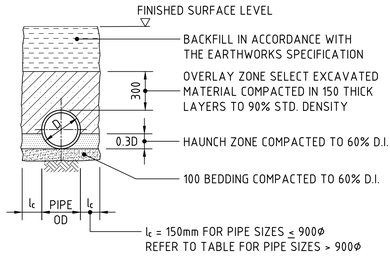
SUPPORT TO AGRICULTURAL DRAIN

SCALE 1:20



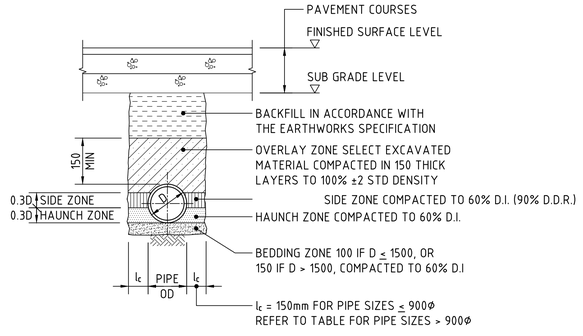
SUPPORT TO uPVC PIPES

SCALE 1:20



TYPE H1 SUPPORT TO CONCRETE PIPES AT LANDSCAPED AREAS

SCALE 1:20

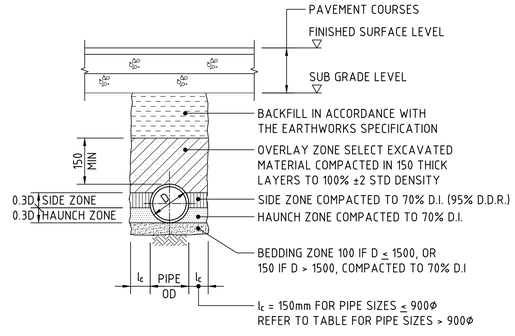


TYPE HS2 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT

SCALE 1:20

D ≤ 1350, MAX FILL = 4.0m

D > 1350, MAX FILL = 3.0m

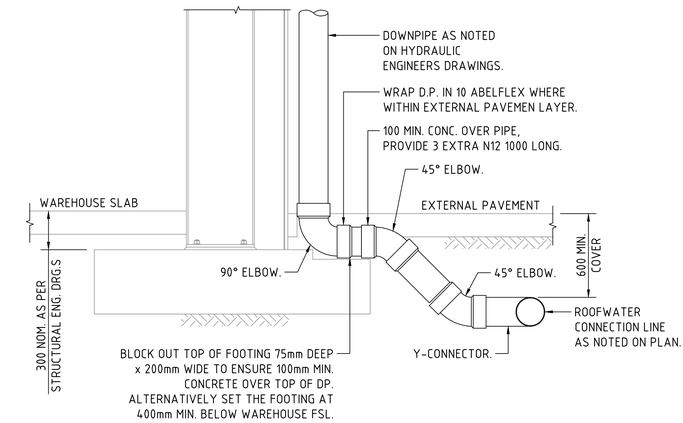


TYPE HS3 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT

SCALE 1:20

D ≤ 1050, MAX FILL = 6.0m

D > 1050, MAX FILL = 4.8m



DOWNPIPE TURN-UP DETAIL A

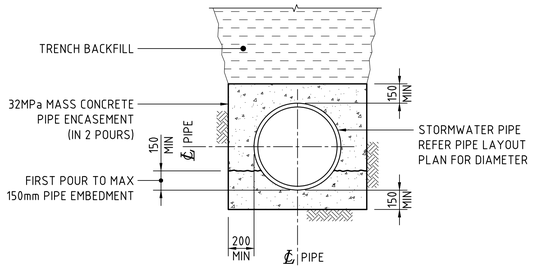
(AT FOOTING LOCATION)

SCALE 1:20

BEDDING & HAUNCH MATERIAL GRADING	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
19.0	100
2.36	100 TO 50
0.60	90 TO 20
0.30	60 TO 10
0.15	25 TO 0
0.075	10 TO 0

SIDE ZONE WIDTH	
PIPE SIZE (mm)	l_c (mm)
≤ 900Ø	150
1050Ø	175
1200Ø	200
1350Ø	225
1500Ø	250
1650Ø	275
1800Ø	300
ENGINEER TO SPECIFY TRENCH WIDTHS FOR PIPE SIZES GREATER THAN 1800Ø	

SIDE ZONE MATERIAL GRADING	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
19.0	100
9.5	100 TO 50
2.6	100 TO 30
0.60	50 TO 15
0.075	25 TO 0
SELECT FILL MATERIAL IN ACCORDANCE WITH TABLE 1 AS 3725	

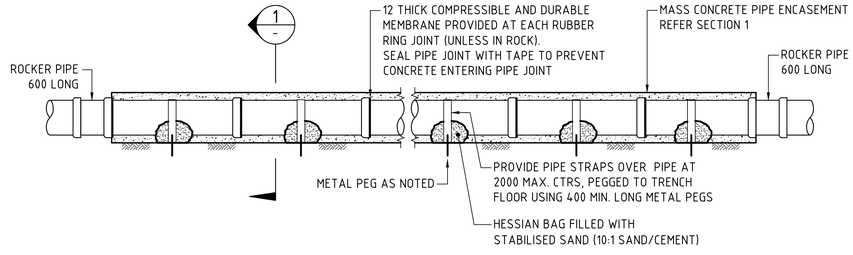


SECTION 1:20 — 1 / –

TYPICAL ACROSS PIPE

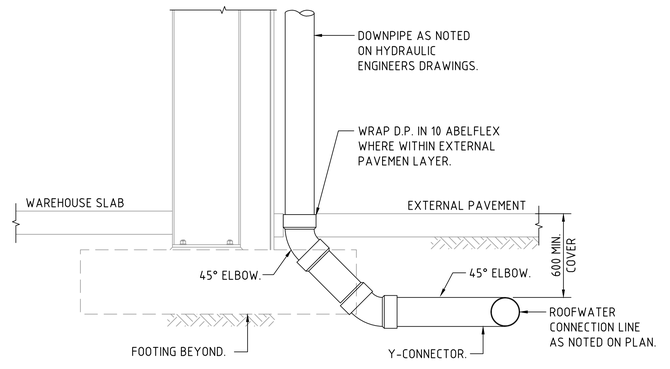
NOTE :

DURING THE ENCASEMENT PROCESS THE CONTRACTOR IS TO PROVIDE SUPPORT TO THE PIPE TO PREVENT PIPE MOVEMENT AND/OR FLOAT. CONCRETE ENCASEMENT TO BE INSTALLED IN 2 POURS.



STORMWATER PIPE CONCRETE ENCASEMENT TYPICAL DETAIL

SCALE 1:50



DOWNPIPE TURN-UP DETAIL B

(CLEAR OF FOOTING)

SCALE 1:20

200mm 0 500 1000 1500 2000mm

SCALE 1:20 AT B1 SIZE SHEET

FOR INFORMATION

ISSUED FOR INFORMATION	16.06.23	A
AMENDMENTS	DATE	ISSUE

AMENDMENTS	DATE	ISSUE

ARCHITECT: PACE ARCHITECTS

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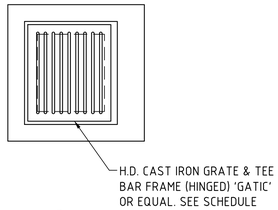
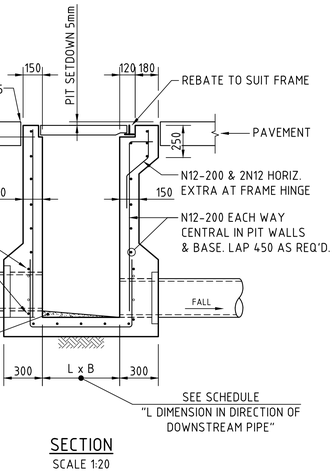
DRAWING TITLE: STORMWATER DRAINAGE DETAILS SHEET 1

DRAWING No: C013904.03-SSDA450

ISSUE: A

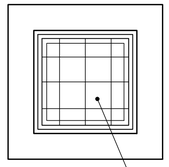


PLAN
SCALE 1:20

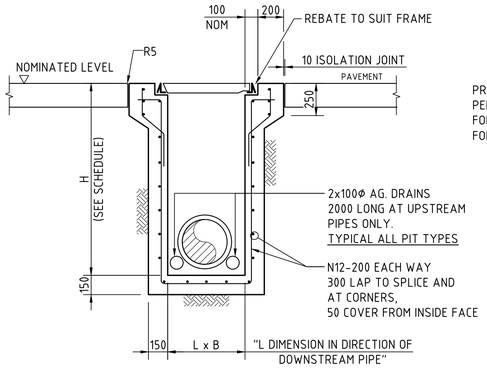


SECTION
SCALE 1:20

SINGLE GRATED GULLY PIT - SGGP

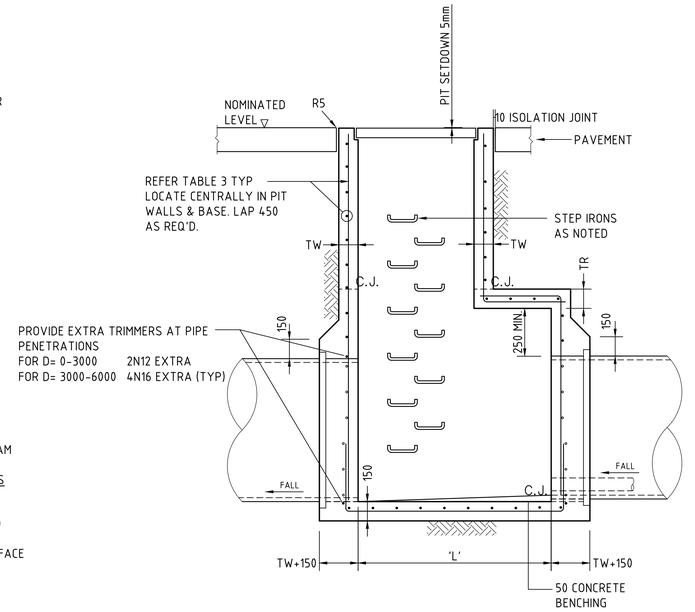


PLAN
SCALE 1:20

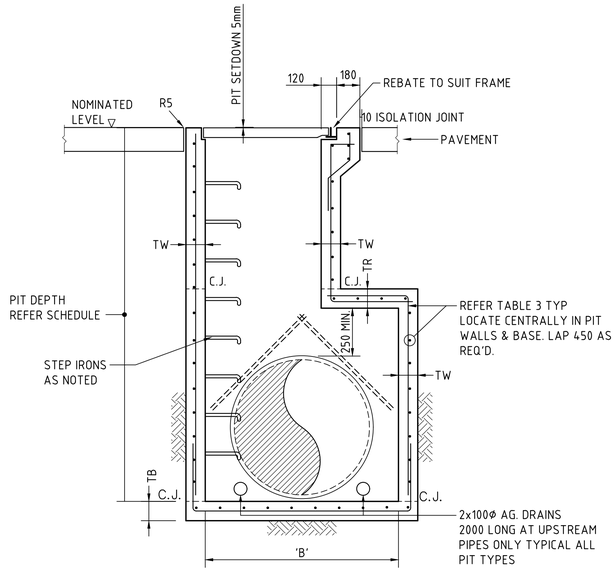


SECTION
SCALE 1:20

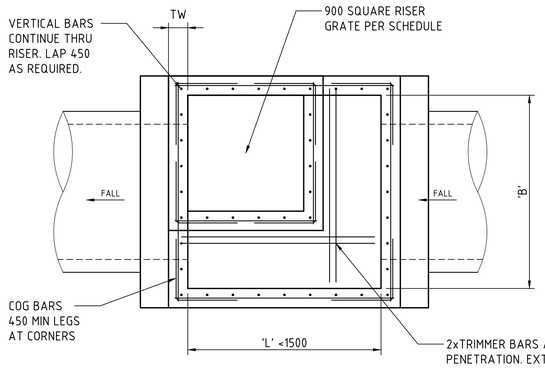
SEALED JUNCTION PIT - SJP



SECTION
SCALE 1:20



SECTION
SCALE 1:20

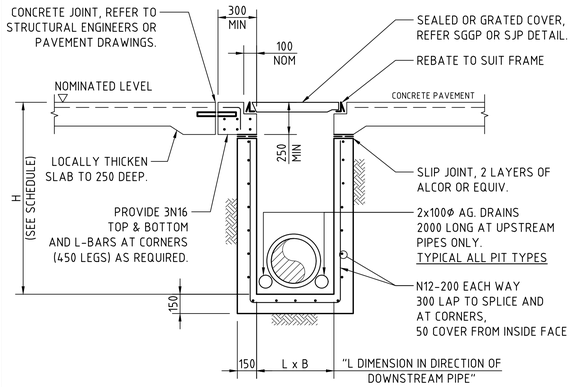


PLAN
SCALE 1:20

TAPERED SINGLE GRATED GULLY PIT - SGGP

SUBSOIL NOT SHOWN
FOR CLARITY.

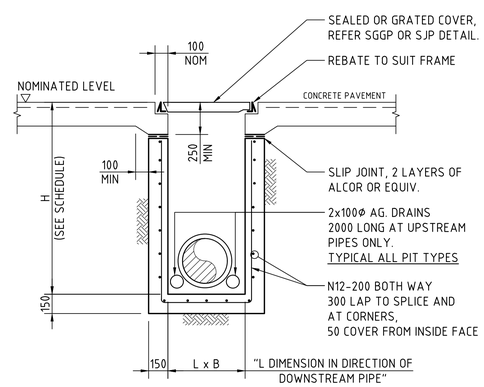
TABLE 3 - TAPERED CLASS D PIT REINFORCEMENT & WALL THICKNESS						
DEPTH 'H'	WALL THICKNESS 'TW'	WALL REINFORCEMENT	ROOF THICKNESS 'TR'	ROOF REINFORCEMENT	BASE THICKNESS 'TB'	BASE REINFORCEMENT
<1.5m	150mm	N12-200 EACH WAY	150mm	N12-200 EACH WAY	150mm	N12-200 EACH WAY
1.5m-3.0m	150mm	N12-200 EACH WAY	150mm	N12-200 EACH WAY	150mm	N12-200 EACH WAY
3.0m-4.5m	200mm	N16-200 EACH WAY	200mm	N16-200 EACH WAY	200mm	N12-200 EACH WAY
4.5-6.0	250mm	N16-200 EACH WAY	250mm	N16-200 EACH WAY	250mm	N16-200 EACH WAY



SECTION
SCALE 1:20

SJP/CIS & SGGP/CIS (CAST IN SLAB) PIT DETAIL GRATE/COVER SUPPORT CAST-INTO PAVEMENT SLAB

(ADOPT IN CONCRETE PAVEMENT FOR SGGP's & SJP's, WHERE PITS ARE LOCATED IN THE CORNER OF SLAB PANELS OR ADJACENT TO SLAB PANEL JOINTS)



SECTION
SCALE 1:20

SJP/CIS & SGGP/CIS (CAST IN SLAB) PIT DETAIL GRATE/COVER SUPPORT CAST-INTO PAVEMENT SLAB

(ADOPT IN CONCRETE PAVEMENTS FOR SGGP's & SJP's, WHERE JOINTS ARE NOT LOCATED WITHIN PROXIMITY OF THE GRATE)

FOR INFORMATION

200mm 0 500 1000 1500 2000mm
SCALE 1:20 AT B1 SIZE SHEET

ISSUED FOR INFORMATION	16.06.23	A	
AMENDMENTS	DATE	ISSUE	

AMENDMENTS	DATE	ISSUE

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS

PROJECT
PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

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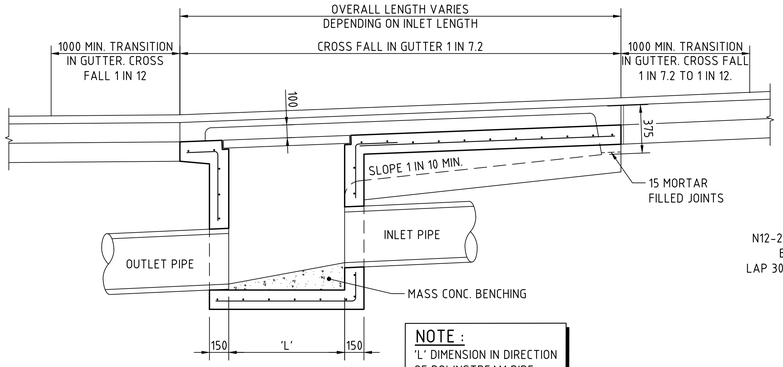
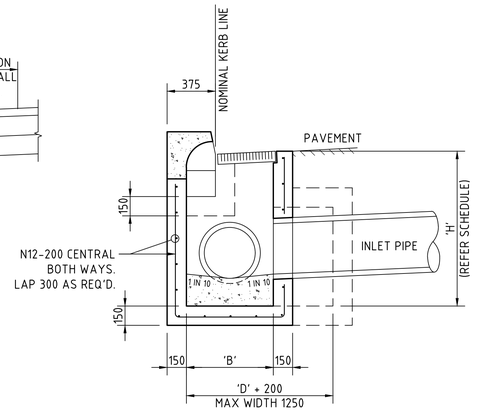
DRAWING TITLE
STORMWATER DRAINAGE DETAILS
SHEET 2

DRAWING No C013904.03-SSDA451
ISSUE A

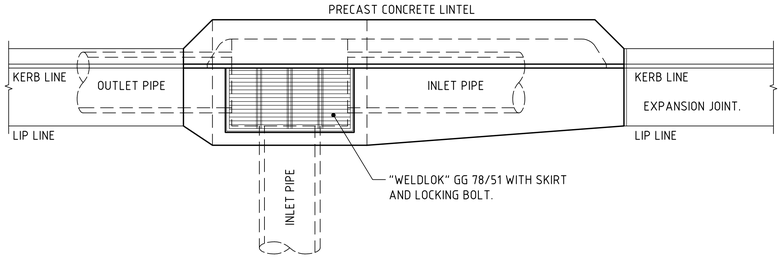


NOTE :
'L' DIMENSION IN DIRECTION OF DOWNSTREAM PIPE

LONG SECTION
SCALE 1:20



CROSS SECTION
SCALE 1:20

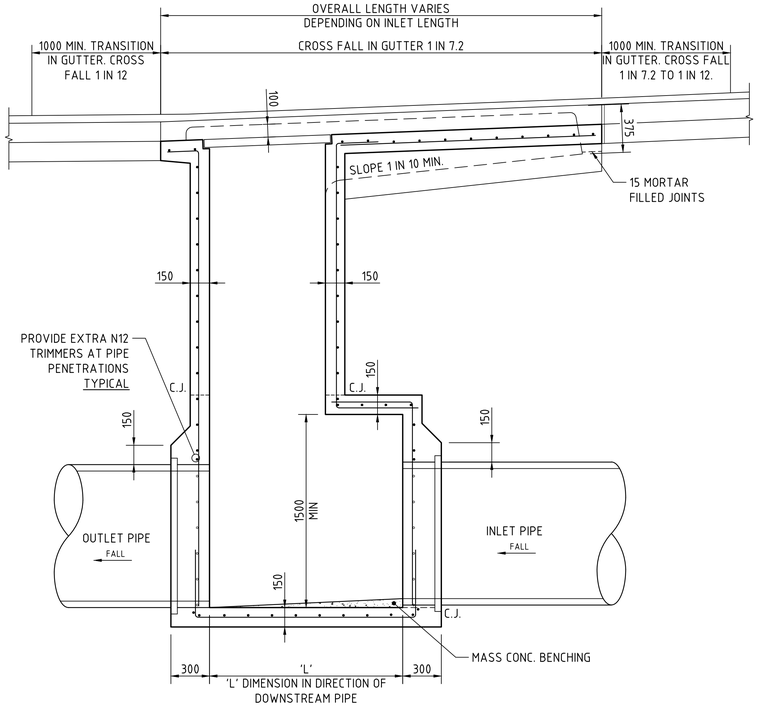


PLAN
SCALE 1:20

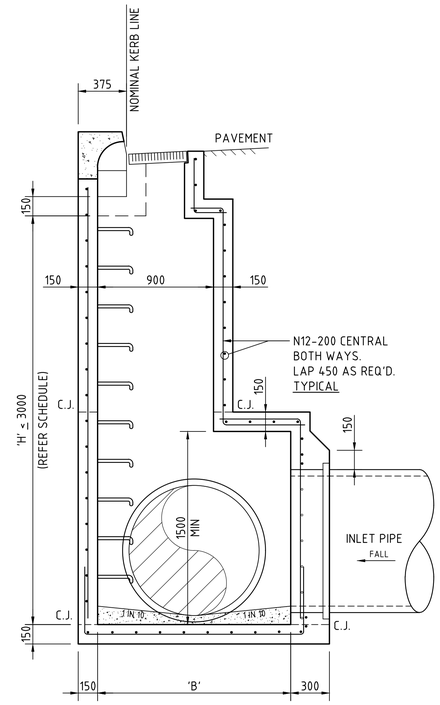
CONCRETE QUALITY					
ELEMENT	SLUMP	AGGREGATE (MAX. SIZE)	CEMENT TYPE	ADMIXTURE	F'c (MPa)
PIT	80	20	GP	NIL	32

NOTE :

1. WHERE GULLY PIT IS LOCATED ON KERB RETURNS OR BULB OF CUL-DE-SACS PROVIDE CURVED PRECAST CONCRETE LINTELS.
2. SAG PITS SHALL HAVE LINTEL PLACED CENTRALLY ABOUT THE GRATE.
3. ALL REINFORCING TO HAVE 30 MIN. CLAER CONCRETE COVER.
4. FOR PITS DEEPER THAN 1000mm CLIMB RAILS SHALL BE PROVIDED.

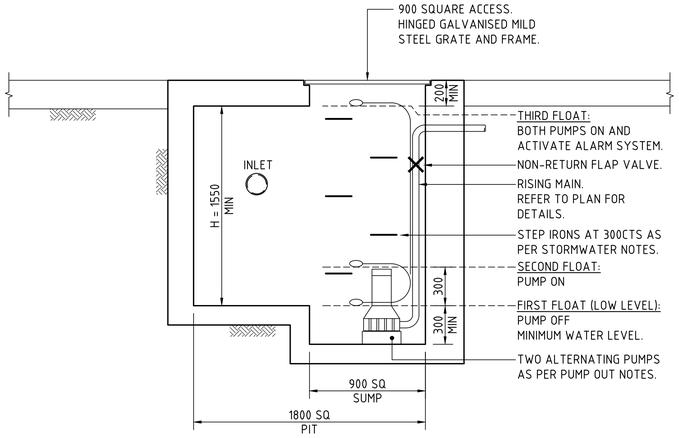


LONG SECTION
SCALE 1:20



CROSS SECTION
SCALE 1:20

KERB INLET PIT - KIP



PUMP OUT PIT DETAIL
SCALE 1:20
REFER TYPICAL PIT DETAILS FOR ALL ITEMS NOT LABELED.

BASEMENT PUMP OUT NOTES:

PUMP SYSTEM IS TO CONSIST OF DUAL ALTERNATING PUMPS. THE PUMP OUT SYSTEM SHALL BE DESIGNED TO BE OPERATED IN THE FOLLOWING MANNER:

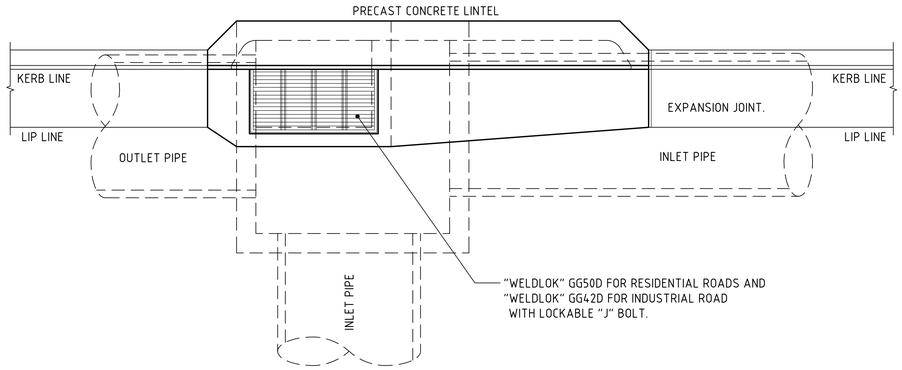
Q PUMP = 25 L/s VOLUME = 5.0 m^3 (MIN.)
THE PUMPS SHALL BE PROGRAMMED TO WORK ALTERNATIVELY SO AS TO ALLOW BOTH PUMPS TO HAVE AN EQUAL OPERATION LOAD AND PUMP LIFE.

A LOW LEVEL FLOAT SHALL BE PROVIDED TO ENSURE THAT THE MINIMUM REQUIRED WATER LEVEL IS MAINTAINED WITHIN THE SUMP AREA OF THE PIT . IN THIS REGARD THIS FLOAT WILL FUNCTION AS AN OFF SWITCH FOR THE PUMPS.

A SECOND FLOAT SHALL BE PROVIDED AT A HIGHER LEVEL, APPROXIMATELY 300mm ABOVE THE MINIMUM WATER LEVEL, WHEREBY ONE OF THE PUMPS WILL OPERATE AND DRAIN THE PIT TO THE LEVEL OF THE LOW-LEVEL FLOAT.

A THIRD FLOAT SHALL BE PROVIDED AT A HIGH LEVEL, WHICH IS APPROXIMATELY THE TOP LEVEL OF THE PIT. THIS FLOAT SHOULD START THE OTHER 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 ENTRANCE TO THE BASEMENT LEVEL. THE ALARM SYSTEM SHALL BE PROVIDED WITH A BATTERY BACK-UP IN CASE OF POWER FAILURE.



PLAN
SCALE 1:20

TAPERED KERB INLET PIT - KIP

SUBSOIL NOT SHOWN FOR CLARITY

200mm 0 500 1000 1500 2000mm
SCALE 1:20 AT B1 SIZE SHEET

FOR INFORMATION

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AMENDMENTS	DATE	ISSUE

AMENDMENTS	DATE	ISSUE

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS
PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
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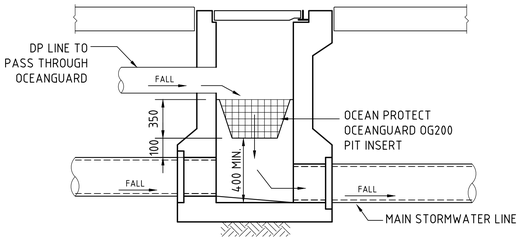
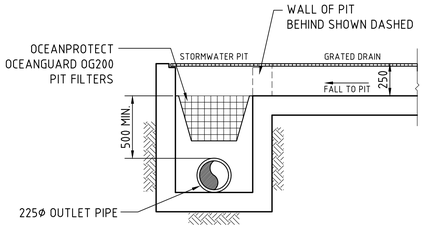
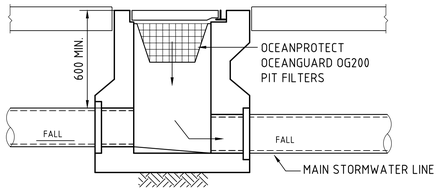
DRAWING TITLE: STORMWATER DRAINAGE DETAILS SHEET 3
DRAWING No: C013904.03-SSDA452
ISSUE: A



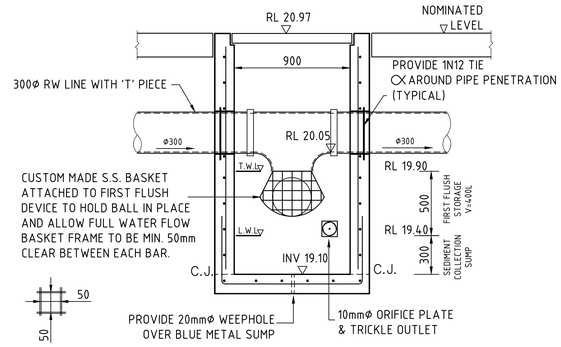
ROOFWATER/STORMWATER PIT WITH
OCEANGUARD CONFIGURATION
SCALE 1:20



GRATED DRAIN/STORMWATER PIT WITH OCEANPROTECT
OCEANGUARD OG200 PIT CONFIGURATION
SCALE 1:20

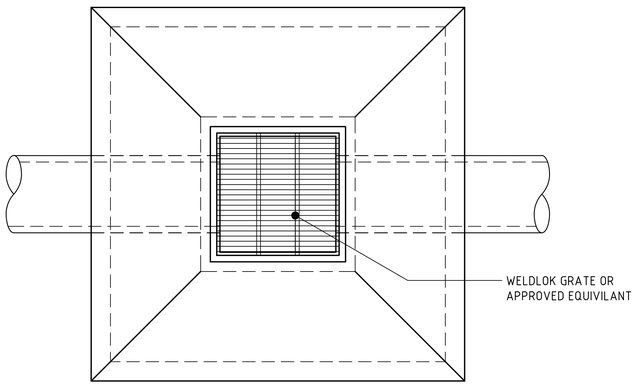


STORMWATER PIT WITH OCEANPROTECT
OCEANGUARD OG200 PIT CONFIGURATION
SCALE 1:20

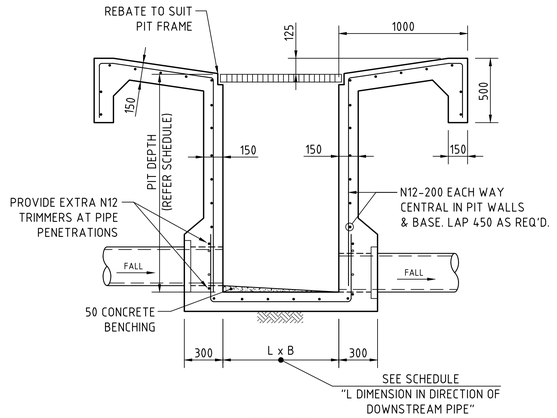


FIRST FLUSH PIT DETAIL
SCALE 1:20

OCEANGUARD OG200 PIT CONFIGURATION



PLAN
SCALE 1:20



SECTION
SCALE 1:20

FIELD INLET PIT - FIP

FOR INFORMATION

200mm 0 500 1000 1500 2000mm
SCALE 1:20 AT B1 SIZE SHEET

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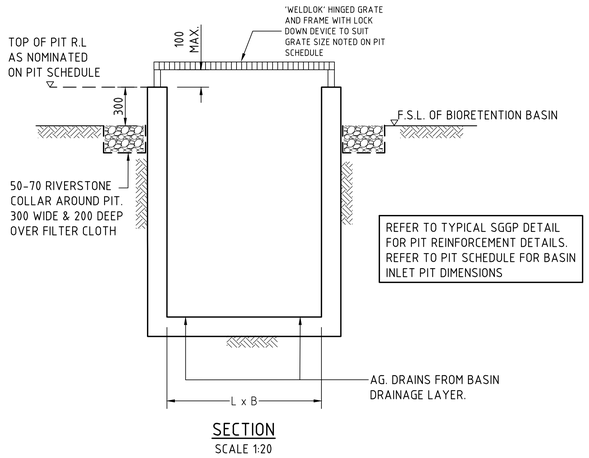
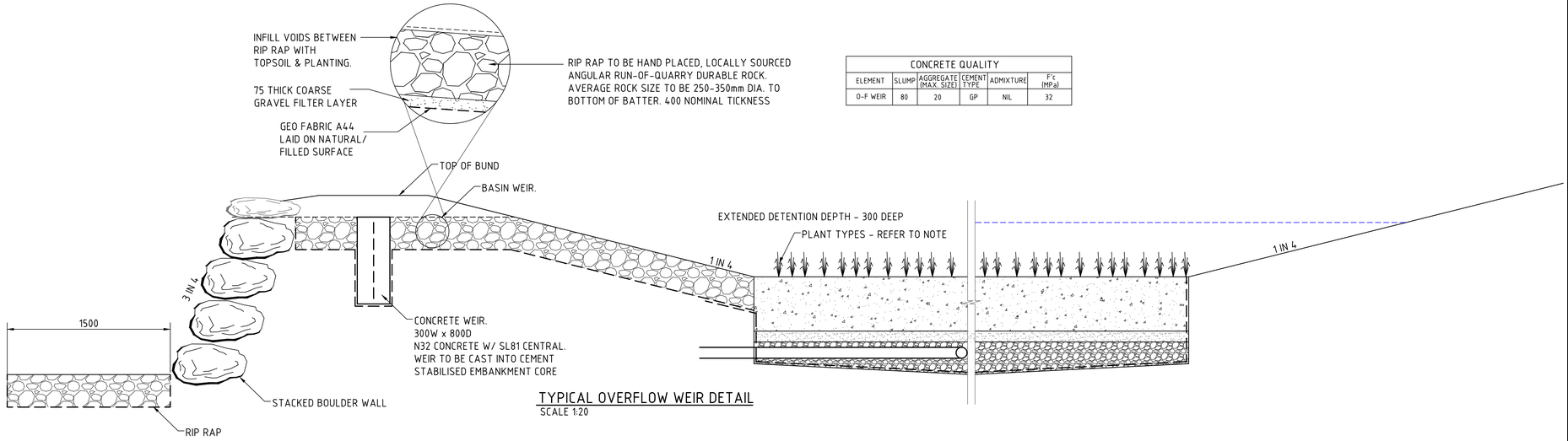
DRAWING TITLE
STORMWATER DRAINAGE DETAILS
SHEET 4

DRAWING No C013904.03-SSDA453
ISSUE A



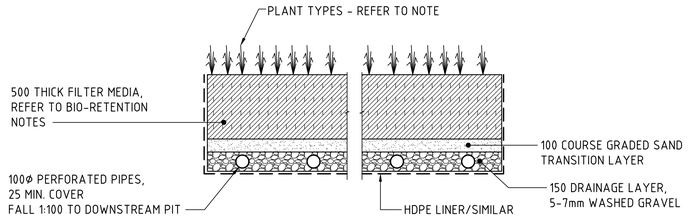
SECTION
SCALE 1:20

BASIN INLET PIT - BIP

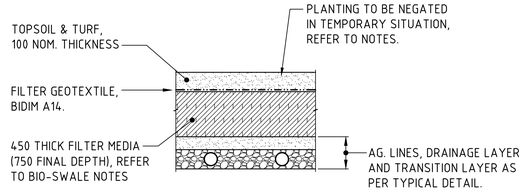


CONCRETE QUALITY					
ELEMENT	SLUMP	AGGREGATE (MAX. SIZE)	CEMENT TYPE	ADMIXTURE	F'c (MPa)
O-F WEIR	80	20	GP	NIL	32

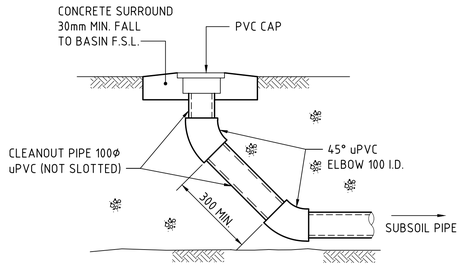
TYPICAL OVERFLOW WEIR DETAIL
SCALE 1:20



TYPICAL BIO-RETENTION DETAIL
SCALE 1:20

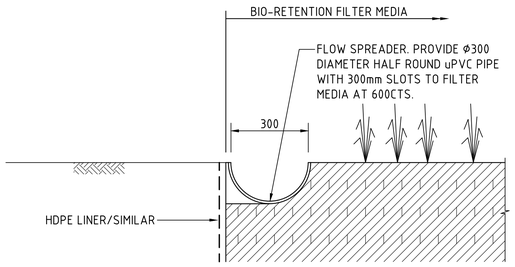


TEMPORARY BIO-RETENTION PROTECTION DETAIL
SCALE 1:20
TEMPORARY CONSTRUCTION REQUIREMENT DETAIL -
REFER TO NOTES FOR IMPLEMENTATION PERIODS.



BIORETENTION CLEANOUT EYE ELEVATION
SCALE 1:20
DENOTED C.E. ON PLAN

BIO-RETENTION BASIN DETAILS



TYPICAL HALF-ROUND FLOW SPREADER DETAIL
SCALE 1:10

BIO-RETENTION NOTES :

FILTER MEDIA TO BE LOAMY SAND WITH A PERMEABILITY NOT LESS THAN 200mm/hr. FILTER MEDIA TO BE FREE OF RUBBISH, DELETERIOUS MATERIAL, TOXICANTS, DECLARED PLANTS AND LOCAL WEEDS, AND IS TO NOT BE HYDROPHOBIC.

FILTER MEDIA TO HAVE THE FOLLOWING COMPOSITION RANGE:

CLAY & SILT (<0.05mm)	<3%
VERY FINE SAND (0.05-0.15mm)	5-30%
FINE SAND (0.15-0.25mm)	10-30%
MEDIUM TO COARSE SAND (0.25-1.00mm)	40-60%
COARSE SAND (1.0-2.0mm)	7-10%
FINE GRAVEL (2.0-3.4mm)	<3%

FILTER MEDIA THAT DOES NOT MEET THE FOLLOWING CRITERIA SHALL BE REJECTED:

a. ORGANIC MATTER CONTENT TO BE IDEALLY WITHIN 1% TO 3% (W/W) AND TO BE NO GREATER THAN 5%(W/W).
b. PH TO BE BETWEEN 5.5 AND 7.5
c. PHOSPHOROUS CONTENT TO BE NO GREATER THAN 35mg/kg

FILTER MEDIA TO BE ASSESSED BY QUALIFIED HORTICULTURALIST TO ENSURE CAPABILITY OF SUPPORTING PLANT LIFE.

DRAINAGE LAYER TO BE CLEAN GRAVEL 5-7mm.

PLANTS TO BE IN ACCORDANCE WITH PENRITH CITY COUNCIL REQUIREMENTS.

PROVIDE 100mm TOPSOIL AND TEMPORARY EROSION PROTECTION (JUTEMASTER OR EQUIV) TO SWALE BATTER SLOPES AND ADJACENT LANDSCAPED AREAS. NOTE THAT NO TOPSOIL IS TO BE PLACED OVER FILTRATION MEDIA. PROVIDE SILT FENCE TO TOP OF BANK UNTIL SUCH TIME AS THIS STABILISING AND VEGETATION HAS BEEN COMPLETED.

BIO-RETENTION TO BE PARTIALLY INSTALLED, FOLLOWING COMPLETION OF ROADWORKS, WITH THE TOP 75-100mm OF FILTER MEDIA REPLACED WITH A FINE TO COARSE SAND UNDERLAIN WITH A GEOTEXTILE LAYER (REFER TO DETAIL). FOLLOWING COMPLETION OF THE UPSTREAM DEVELOPMENT AND SITE STABILISATION, THE SAND IS TO BE REMOVED, REPLACED WITH FILTER MATERIAL AND PLANTED OUT. REFER TO TEMPORARY BIO-BASIN DETAIL

PRIOR TO PLANTING, THE TOP 100mm OF THE BIORETENTION FILTER MEDIA IS TO BE AMELIORATED WITH APPROPRIATE ORGANIC MATTER, FERTILISER AND TRACE ELEMENTS TO AID PLANT ESTABLISHMENT AS PER THE TABLE BELOW:

TABLE: RECIPE FOR AMELIORATING TOP 100mm OF BIORETENTION FILTER MEDIA

CONSTITUENT	QUANTITY (kg/m2 OF FILTER AREA)
GRANULATED POULTRY MANURE FINES	50
SUPERPHOSPHATE	2
MAGNESIUM SULPHATE	3
POTASSIUM SULPHATE	2
TRACE ELEMENT MIX	1
FERTILISER NPK (16.4.14)	4
LIME	20

100mm 0 200 400 600 800 1000mm
SCALE 1:10 AT B1 SIZE SHEET

200mm 0 500 1000 1500 2000mm
SCALE 1:20 AT B1 SIZE SHEET

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DRAWING TITLE
STORMWATER DRAINAGE DETAILS
SHEET 5

DRAWING No C013904.03-SSDA454
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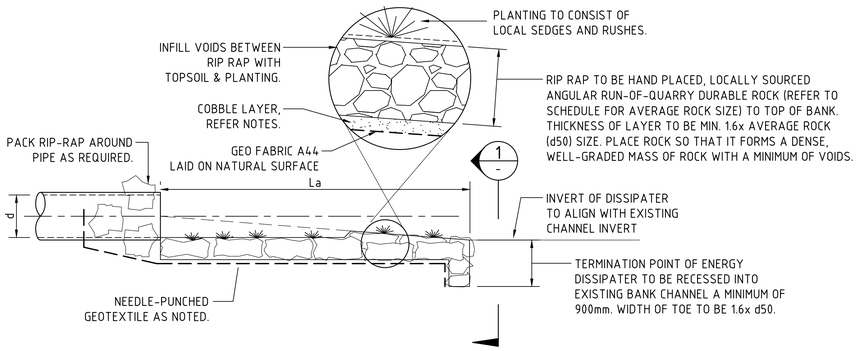
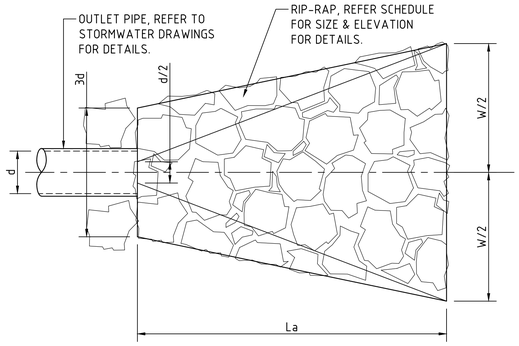
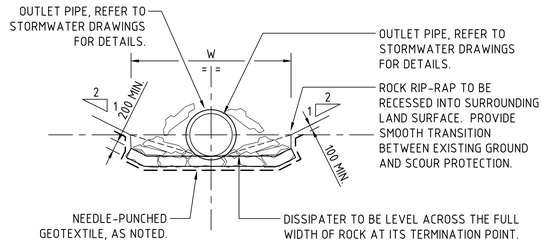


ELEVATION
SCALE 1:50



PLAN
SCALE 1:50



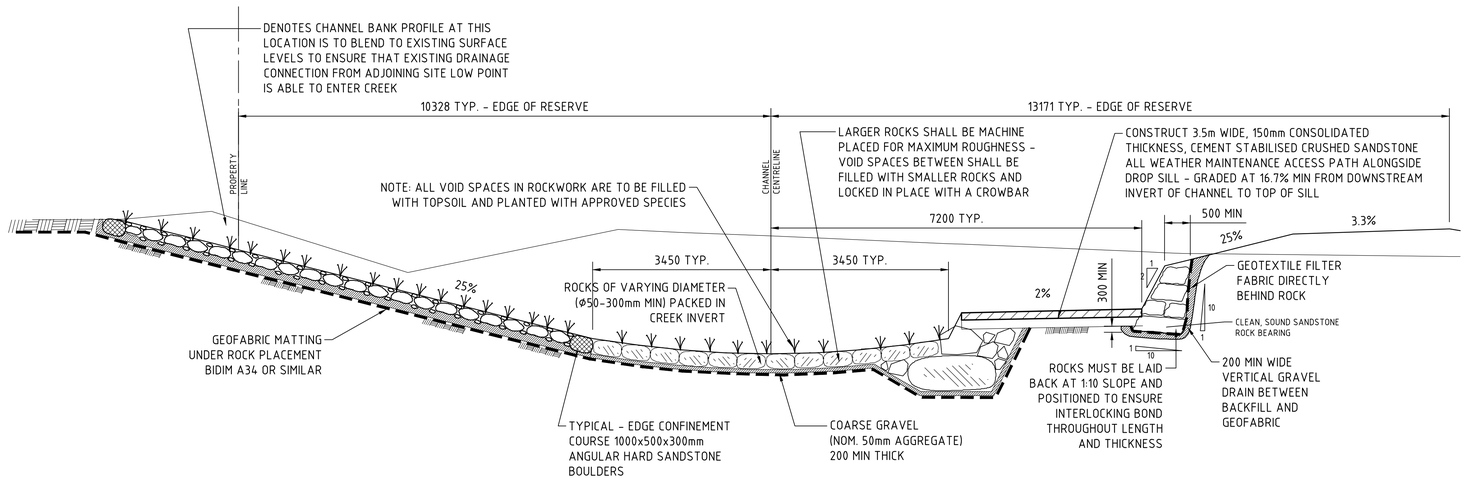
SECTION 1:50 (1)

DISSIPATER NOTES:

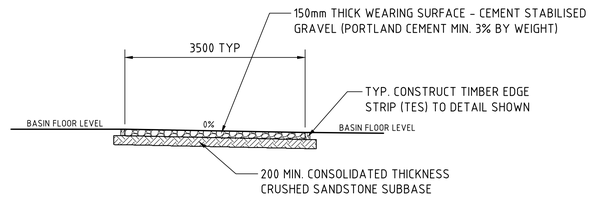
1. ALIGN STRUCTURE EVENLY WITH BANK.
2. LOCATE STRUCTURE AT INVERT LEVEL OF STREAM AND POINT IN A DOWNSTREAM DIRECTION.
3. PIPE TO REST ON, AND BE PACKED IN, BY RIP-RAP (SIZE AS NOTED).
4. DISCHARGE INTO STREAM WHERE BEDROCK IS PRESENT, OTHERWISE SCOUR PROTECT AS REQUIRED.
5. SCOUR PROTECT THE OPPOSITE BANK AS REQUIRED. SCOUR PROTECTION TO BE PROVIDED WHERE OPPOSITE BANK IS WITHIN 12-14 TIMES THE PIPE DIAMETER.
6. RIP-RAP TO CONSIST OF ANGULAR RUN-OF-QUARRY ROCK (d50= 150mm MINIMUM) AS NOTED IN THE SCHEDULE. RIP-RAP TO BE MINIMUM THICKNESS OF RIP-RAP LAYER TO BE 1.6x AVERAGE ROCK SIZE (d50).
7. RIP-RAP IS TO BE PLACED OVER A 200mm LAYER OF 140mm COBBLES OVER NEEDLE-PUNCHED GEOFAB A44.
8. PLACE ROCK SO THAT IT FORMS A DENSE, WELL-GRADED MASS OF ROCK WITH A MINIMUM OF VOIDS. THE FINISHED RIP-RAP SURFACE SHOULD BE FREE OF POCKETS OF SMALL ROCK OR CLUSTERS OF LARGE ROCKS.
9. GAPS IN RIP-RAP TO BE HAND PACKED WITH TOPSOIL & PLANTED WITH NATIVE SEDGES & RUSHES TO PROVIDE. THE INTENT IS FOR THERE TO BE NO VOIDS BETWEEN RIP-RAP BOULDERS.
10. ENSURE THE FINISHED ROCK SURFACE BLENDS WITH THE SURROUNDING GROUND LEVELS. NO OVERFALL OR PROTRUSION OF ROCK SHOULD BE APPARENT.
11. ENSURE THAT STORMWATER FROM SURROUNDING GROUND IS FREE TO ENTER THE STRUCTURE WITHOUT CAUSING UNDESIRABLE PONDING OR SCOUR.

DISSIPATER SCHEDULE				
DISCHARGE POINT	d	La	W	RIP-RAP (d50)
OUTLET B	852ø	5000	3000	300

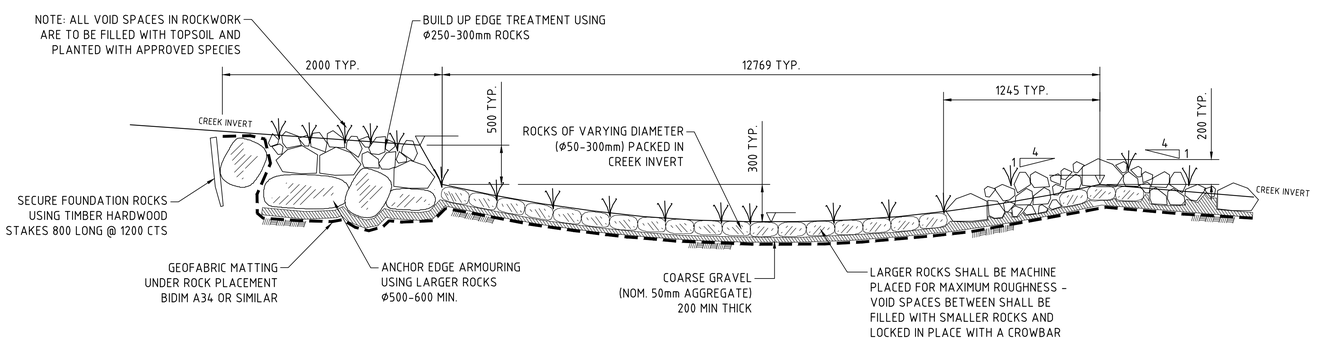
STORMWATER OUTLET DISSIPATER



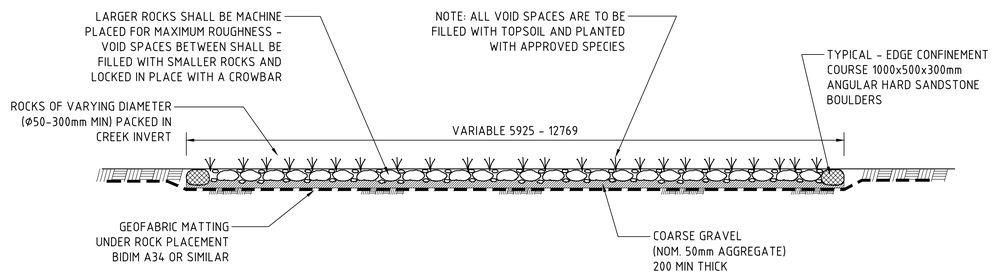
TYPICAL SECTION - PLUNGE POOL
SCALE 1:50



TYPICAL DETAIL - MAINTENANCE ACCESS DRIVE PAVEMENT CONSTRUCTION
SCALE 1:50



TYPICAL DETAIL - PLUNGE POOL AND WEIR
SCALE 1:50



TYPICAL DETAIL - BATTER STABILISATION SCOUR PROTECTION
SCALE 1:50

500mm 0 1 2 3 4 5m
SCALE 1:50 AT B1 SIZE SHEET

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DRAWING TITLE: STORMWATER DRAINAGE DETAILS SHEET 6
DRAWING No: C013904.03-SSDA455
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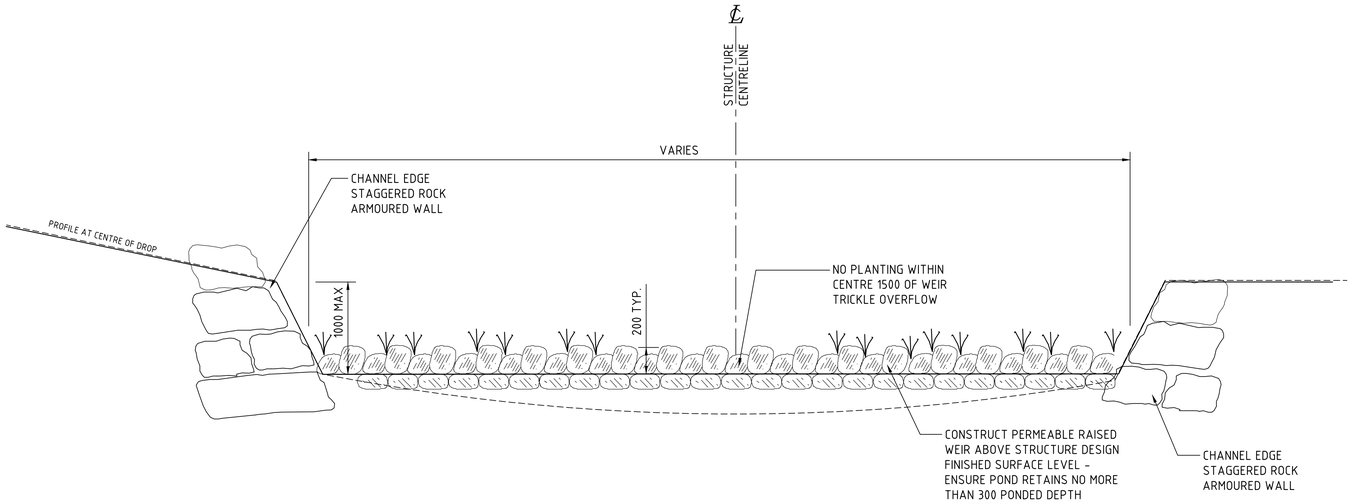
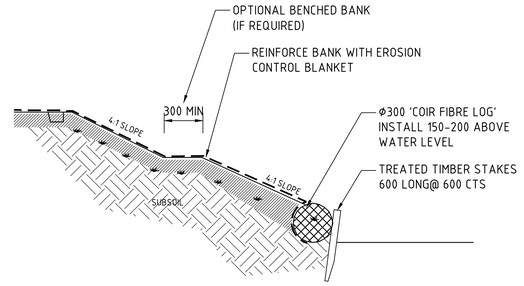
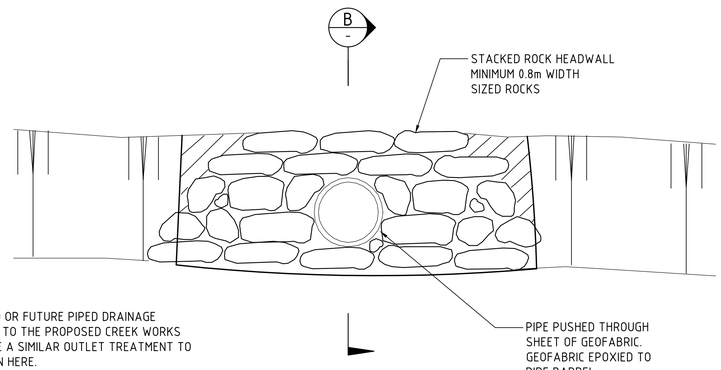


TYPICAL DETAIL - ROCK DROP SILL AND WEIR
SCALE 1:20



TYPICAL DETAIL - COIR FIBRE LOG PLACEMENT ANY LOCATION
SCALE 1:20

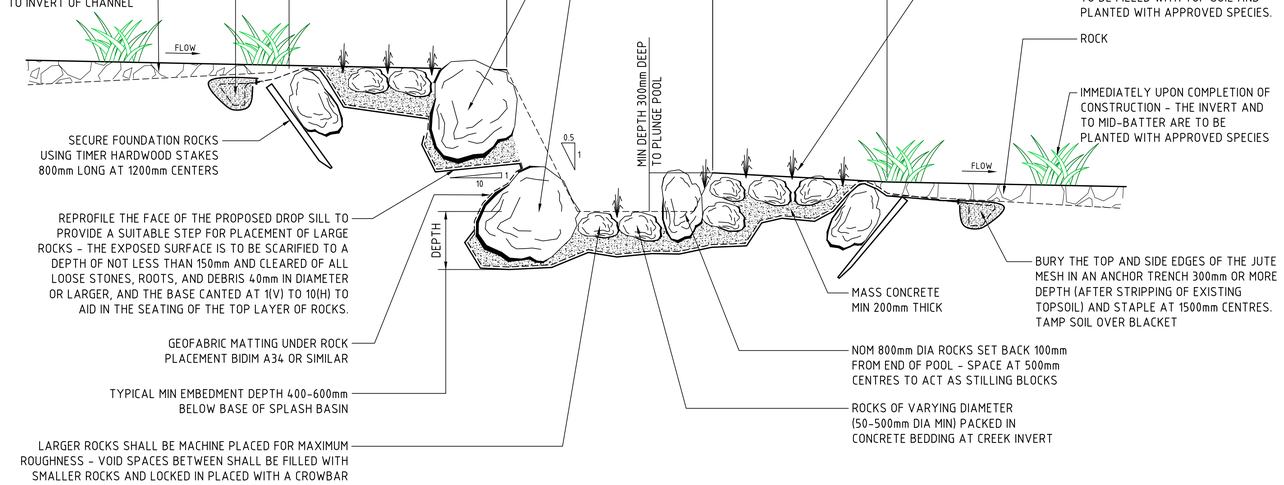


APPLICABILITY:

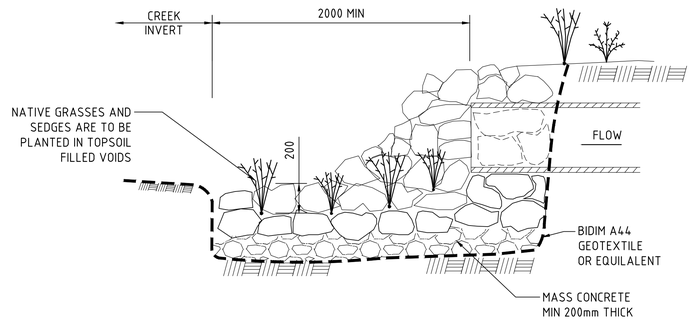
1) ALL PROPOSED OR FUTURE PIPED DRAINAGE CONNECTIONS TO THE PROPOSED CREEK WORKS SHOULD HAVE A SIMILAR OUTLET TREATMENT TO THOSE SHOWN HERE.

2) MIN. ROCK SIZE IN OUTLET DEPRESSED APRON SHOULD BE Φ500-600mm.

TYPICAL STACKED ROCK HEADWALL TREATMENT
SCALE 1:20



TYPICAL DETAIL - ROCK DROP SILL AND WEIR
SCALE 1:20



SECTION 1:20 B

200mm 0 500 1000 1500 2000mm
SCALE 1:20 AT B1 SIZE SHEET

FOR INFORMATION

ISSUED FOR INFORMATION	16.06.23	A
AMENDMENTS	DATE	ISSUE

AMENDMENTS	DATE	ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA456

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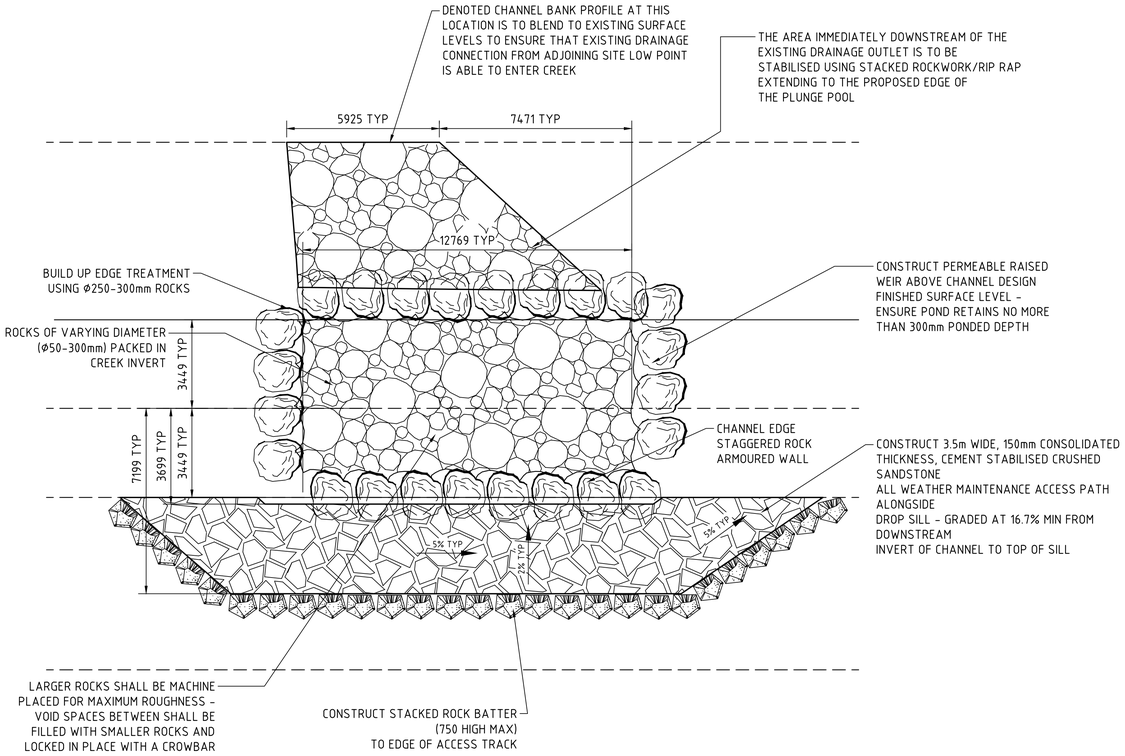
DRAWING TITLE: STORMWATER DRAINAGE DETAILS SHEET 7

DRAWING No: C013904.03-SSDA456 ISSUE: A



TYPICAL PLAN - PLUNGE POOL
SCALE 1:100

FOR INFORMATION

1m 0 1 2 3 4 5 6 7 8 9 10m
SCALE 1:100 AT B1 SIZE SHEET

ISSUED FOR INFORMATION	16.06.23	A	
AMENDMENTS	DATE	ISSUE	

AMENDMENTS	DATE	ISSUE

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AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

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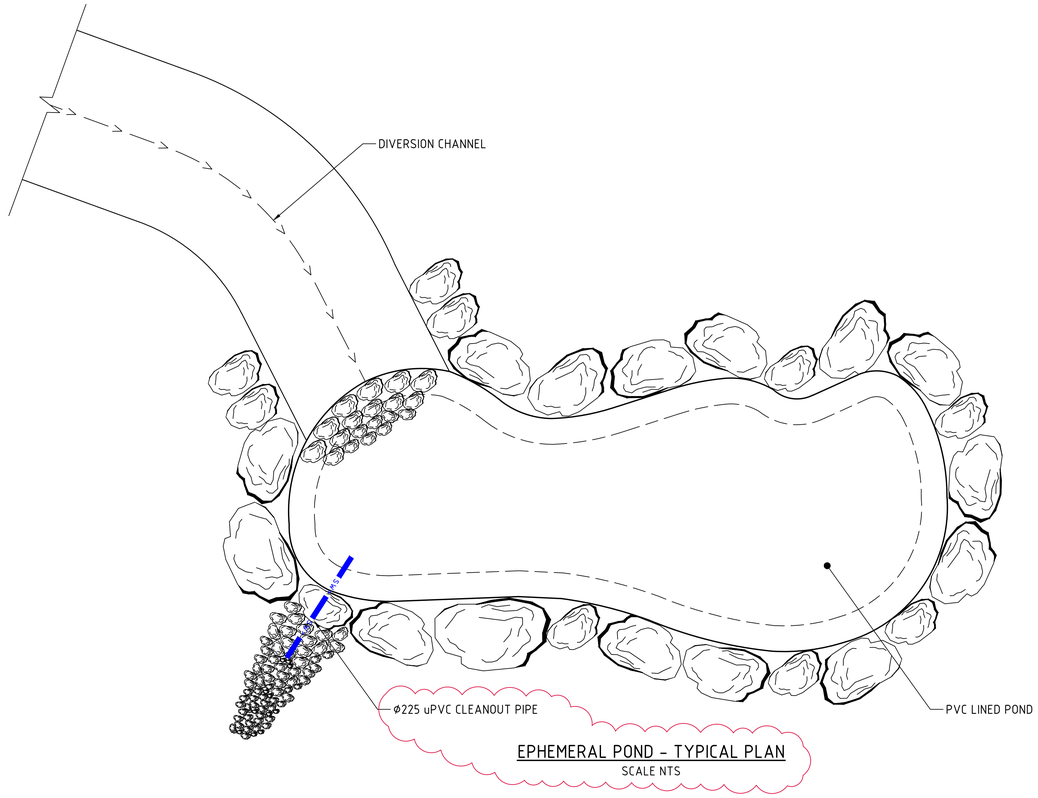
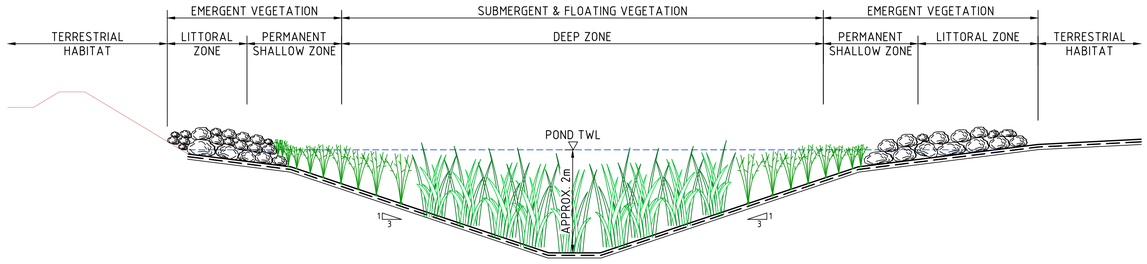
DRAWING TITLE
STORMWATER DRAINAGE DETAILS
SHEET 8

DRAWING No C013904.03-SSDA457
ISSUE A



EPHEMERAL POND – TYPICAL PLAN
SCALE NTS



EPHEMERAL POND – TYPICAL SECTION
SCALE 1:50

500mm 0 1 2 3 4 5m
SCALE 1:50 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

AMENDMENTS	DATE	ISSUE

ARCHITECT
PACE ARCHITECTS

CLIENT
LOGOS

PROJECT
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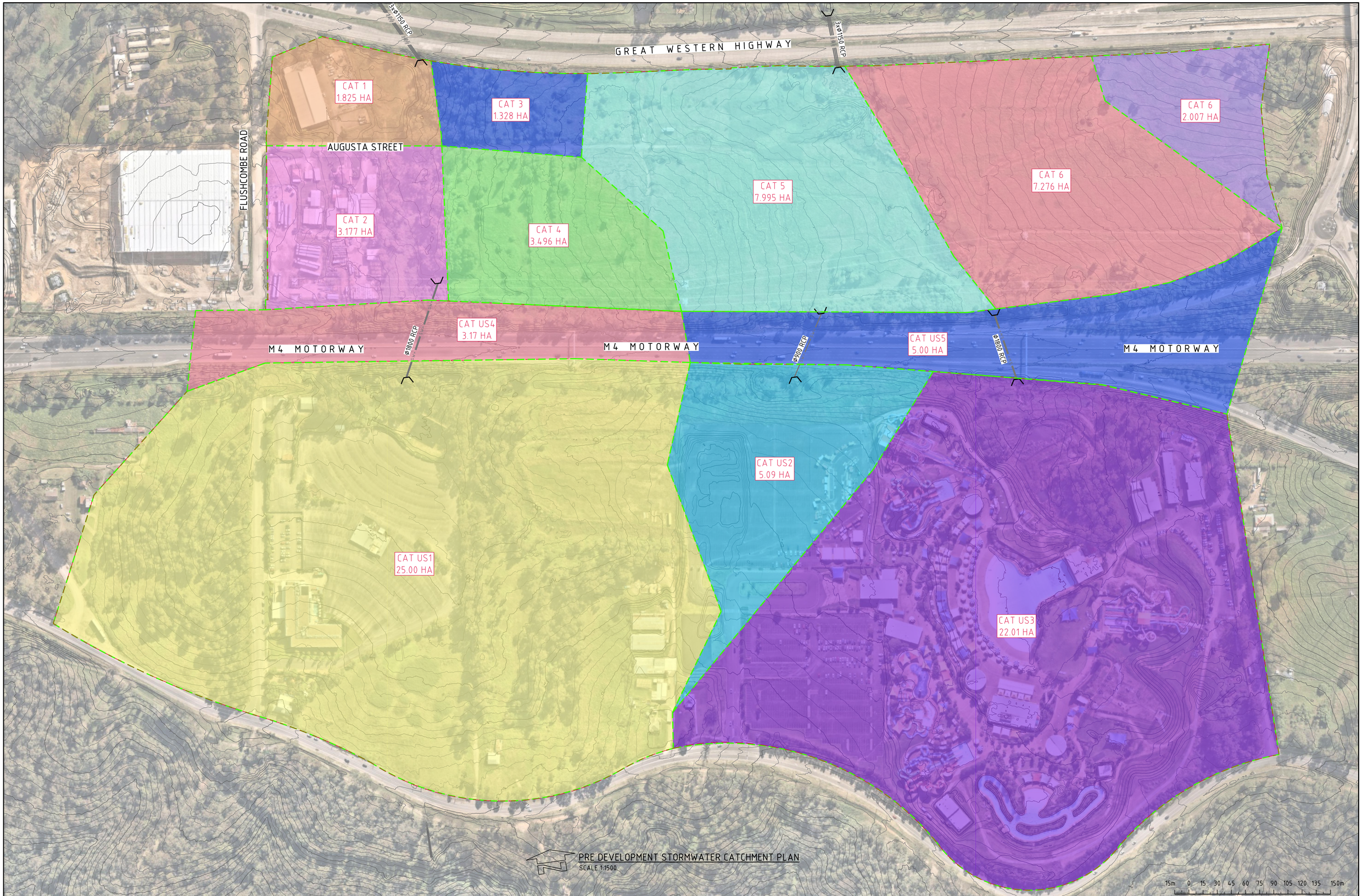
DRAWING TITLE
STORMWATER DRAINAGE DETAILS
SHEET 9

DRAWING No C013904.03-SSDA458
ISSUE B



PRE DEVELOPMENT STORMWATER CATCHMENT PLAN
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
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ISSUED FOR INFORMATION	16.06.23	A

AMENDMENTS	DATE	ISSUE

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PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
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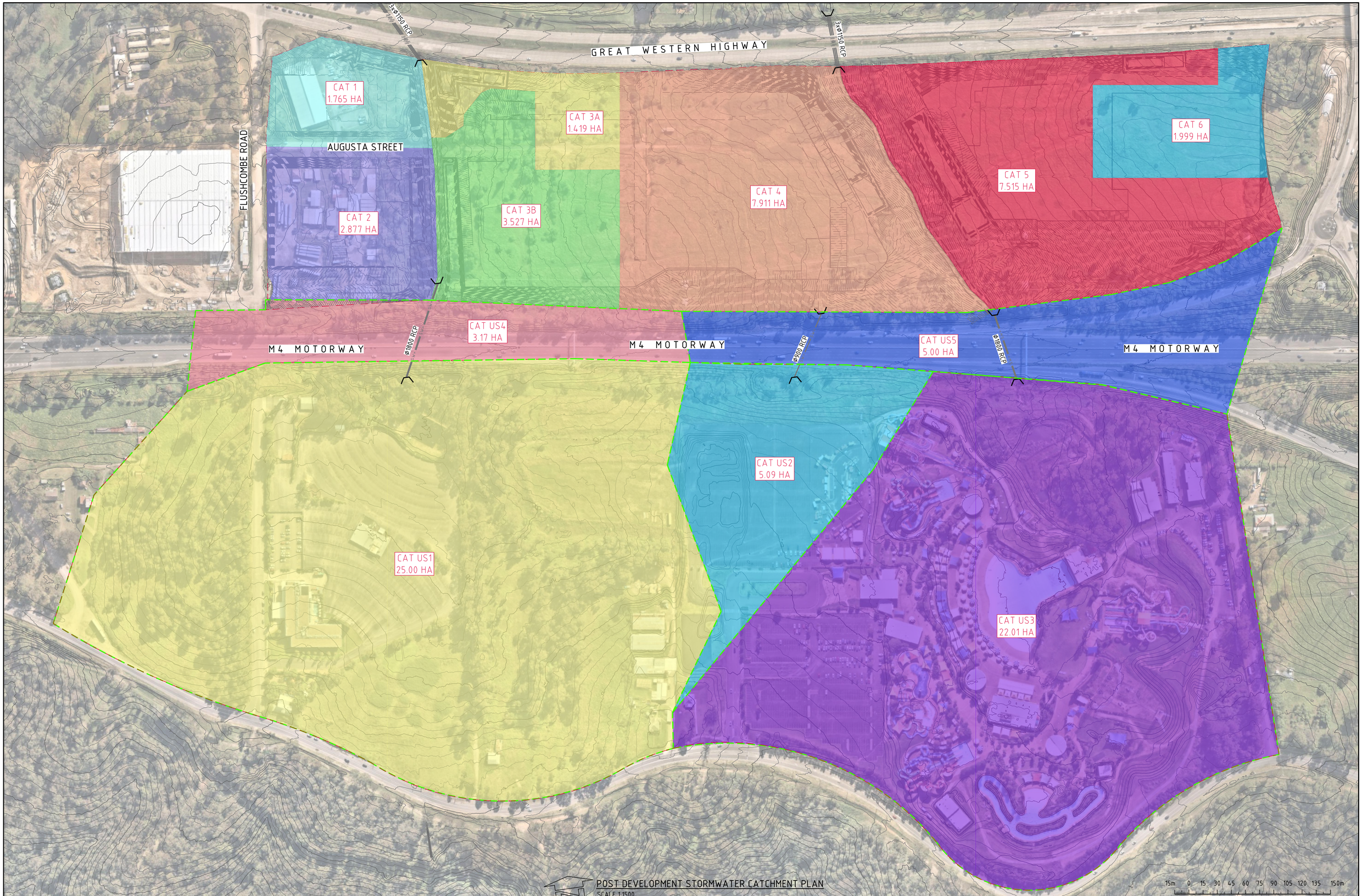
DRAWING TITLE
PRE DEVELOPMENT STORMWATER CATCHMENT PLAN

DRAWING No C013904.03-SSDA470
ISSUE B



POST DEVELOPMENT STORMWATER CATCHMENT PLAN
SCALE 1:1500

FOR INFORMATION

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REVISED AS CLOUDED	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

AMENDMENTS	DATE	ISSUE

ARCHITECT
PACE ARCHITECTS

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PROJECT
PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

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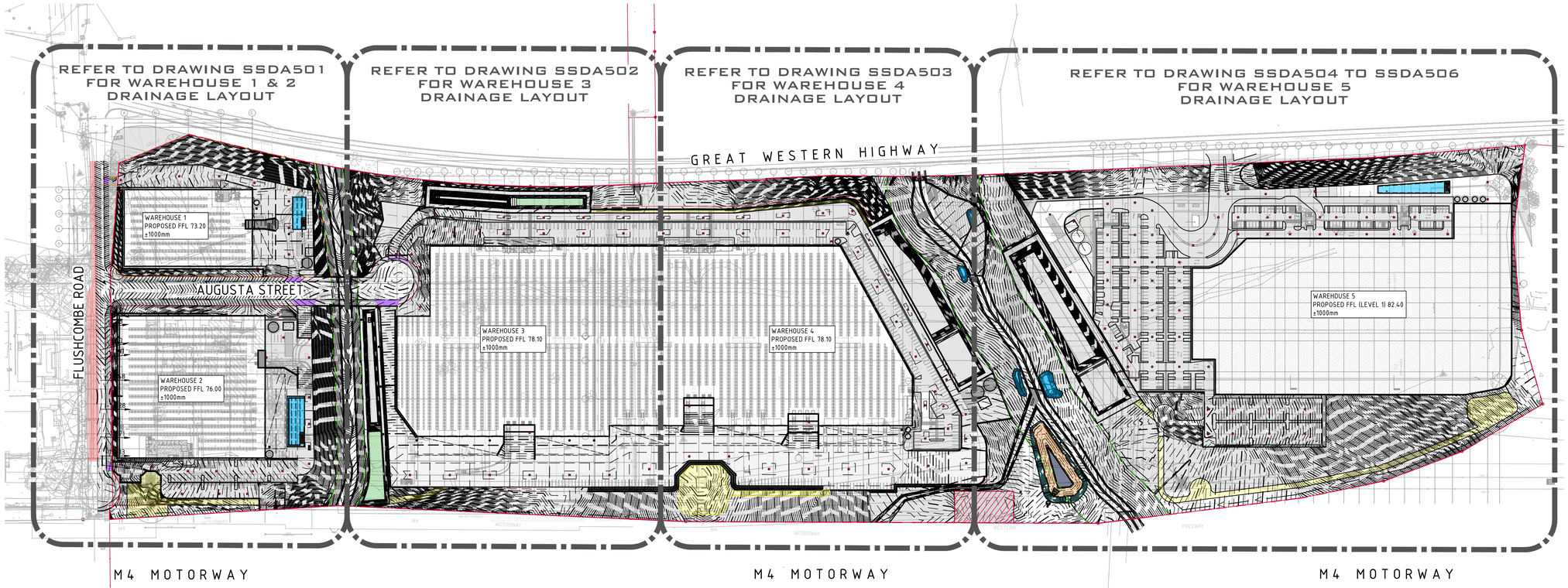
DRAWING TITLE
POST DEVELOPMENT STORMWATER CATCHMENT PLAN

DRAWING No C013904.03-SSDA471 ISSUE B



FINISHED LEVELS PLAN NOTES:

1. LEVELS DATUM IS AUSTRALIAN HEIGHT DATUM (A.H.D.).
2. GRADING REQUIREMENTS TO BE COMPLETED IN ACCORDANCE WITH AUSTRALIAN STANDARD AS2890.1, AS2890.2 AND AS2890.6.
3. ALL CONTOUR LINES & SPOT LEVELS INDICATE FINISHED PAVEMENT LEVELS U.N.O. ON PLAN.
4. CONTOUR INTERVALS
   - THE MINOR CONTOUR INTERVAL IS 0.1m.
   - THE MAJOR CONTOUR INTERVAL IS 0.5m.
5. HARDSTAND GRADING
   - MINIMUM PAVEMENT GRADE IS TO BE 1:100 (1%).
   - GRADING OF ON-GRADE DOCKS TO BE 1:100 (1%) FALL AWAY FROM THE DOCK FACE FOR A LENGTH OF 15m U.N.O.
   - GRADING OF TRUCK CIRCULATION ZONES TO BE MINIMUM AS NOTED ABOVE, 3-4% NOMINAL AND MAX. 5%.
6. CAR PARKING AREA GRADES
   - MINIMUM PAVEMENT GRADE IS TO BE 1:100 (1%), DESIRABLE MINIMUM GRADE 1:50 (2%).
   - MAXIMUM PAVEMENT GRADE IS TO BE 1:20 (5%) N CARPARKING AREAS AND 1:25 (4%) ELSEWHERE.
   - DISABLED ACCESS PARKING ZONES AND SHARED SPACE TO BE MAXIMUM OF 1:33 (3%) IN ASPHALT PAVEMENT AND MAXIMUM OF 1:40 (2.5%) IN CONCRETE PAVEMENT.
   - CARPARK RAMP GRADES TO BE MAX 1:5 WITH 2.5m SMOOTH TRANSITION AT TOP AND BOTTOM U.N.O.
7. TRUCK RAMP GRADES
   - MAXIMUM B-DOUBLE OR 19.0m AV RAMP GRADES ARE TO BE 1:8.3 (12%) U.N.O. ON PLAN
   - PROVIDE MINIMUM 4.0m LONG TRANSITION WHERE CHANGES OF GRADE EXCEED 1:20 (5%) AT A CREST U.N.O.
   - PROVIDE MINIMUM 3.0m LONG TRANSITION WHERE CHANGE OF GRADE EXCEED 1:20 (5%) AT A SAG U.N.O.
   - TRANSITIONS ARE TO PROVIDE A SMOOTH CONTINOUS CIRCULAR AND TANGENTIAL CHANGE IN GRADE TO ENSURE NO SHARP OR ACUTE CHANGES IN GRADE ARE PRESENT.
8. WHERE FIRE BRIGADE ACCESS IS REQUIRED, MAXIMUM RAMP GRADIENTS ARE TO BE 1:6 (16.6%), DESIRABLE RAMP GRADIENTS ARE TO BE 1:8 (12.5%) WITH 7m TRANSITION TOP AND BOTTOM U.N.O. ON PLAN.
9. PERMANENT BATTER SLOPES ARE TO HAVE A MAXIMUM GRADE OF 1V:3H U.N.O. BASED ON GEOTECHNICAL ASSESSMENT. PROVIDE MINIMUM 0.5m BERM BETWEEN THE BACK OF KERB OR PAVEMENT EDGES AND THE TOP OR TOE OF A BATTER.
10. ALL BATTER SLOPE WITH GRADES AT OR EXCEEDING 1V:6H ARE TO BE TURFED IMMEDIATELY OR APPROPRIATE EROSION CONTROL IS TO BE PROVIDED TO THE SATISFACTION OF THE ENGINEER.
11. ALL FOOTPATHS ARE TO FALL AWAY FROM THE BUILDING AT 2.5% NOMINAL. GRADE.
12. ALL PAVEMENTS ARE TO BE SET AT 30mm BELOW THE FINISHED FLOOR LEVEL OF THE WAREHOUSE AND OFFICE AREAS. PROVIDE LOCAL FEATHERING AT DOORWAYS OR ROLLER SHUTTERS TO PROVIDE FLUSH FINISH AS REQUIRED.
13. WHERE NEW AND EXISTING INTERFACING IS REQUIRED, MATCH EXISTING LEVELS AND PROVIDE SMOOTH INTERFACE BETWEEN NEW AND EXISTING GRADIENTS. REFER ANY CONCERNS TO THE ENGINEER.

FINISHED LEVELS KEY PLAN
SCALE 1:1500

LEVELS NOTE:
LEVELS SHOWN TO BE +/-1000mm FROM THOSE SHOWN.
FINAL LEVELS SUBJECT TO FINAL GEOTECHNICAL INVESTIGATIONS, ARCHITECTURAL LAYOUT AND ACHIEVING A CUT TO FILL EARTHWORKS BALANCE OVER THE PROPERTY.

LEGEND:
LEVELS DATUM IS AHD.

- SGGP, SINGLE GRATED GULLY PIT
- SJP, SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- GD, GRATED DRAIN (300W x 225D UNO)
- 50.00 – FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
- 50.10 – FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
UPDATED ARCHITECTURAL MASTERPLAN	11.09.23	D
ADDITIONAL PARKING ADDED TO WH2, ACOUSTIC WALL & WALL TO WH3	10.07.23	C
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS
PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA500

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DRAWING TITLE: FINISHED LEVELS KEY PLAN
DRAWING No: C013904.03-SSDA500
ISSUE: D

RAMP WITH MAX GRADE AS SHOWN AND TRANSITIONS TOP AND BOTTOM PER NOTE 7.

RETAINING WALL IN CUT ALONG WAREHOUSE EXTERNAL FOOTPATH

PROPOSED CROSSOVER IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS. ALL EXISTING SERVICES ALIGNMENT, FITTINGS AND DEPTHS TO BE CONFIRMED VIA POTHOLING PRIOR TO COMMENCEMENT OF WORKS. TYPICAL

RETAINING WALL IN CUT BEHIND WAREHOUSE WITH BONDEK SLAB OVER 1m VOID BELOW FOR EGRESS

STREET DRAINAGE REFER TO SSDA700 FOR DEATILS

RETAINING WALL IN CUT BEHIND WAREHOUSE WITH BONDEK SLAB OVER 1m VOID BELOW FOR EGRESS

PROPOSED CROSSOVER IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS. ALL EXISTING SERVICES ALIGNMENT, FITTINGS AND DEPTHS TO BE CONFIRMED VIA POTHOLING PRIOR TO COMMENCEMENT OF WORKS. TYPICAL

PROPOSED ACCESS TO EXISTING ELECTRICAL TOWERS

LANDSCAPE SETBACK BATTERED AT 1V:3H MAX TO MATCH EXISTING LEVELS AT BOUNDARIES

GREAT WESTERN HIGHWAY

FLUSHCOMBE ROAD

AUGUSTA STREET

M4 MOTORWAY

SITE BOUNDARY

OFFICE 1

WAREHOUSE 1

OFFICE 2

WAREHOUSE 2

RAMP WITH MAX GRADE AS SHOWN AND TRANSITIONS TOP AND BOTTOM PER NOTE 7.

PROPOSED RECESSED DOCK 1300 DEEP

FLUSHCOME ROAD REFER TO DRAWING SSDA711 FOR DETAILS

AWNING ABOVE

PROPOSED RETAINING WALL IN FILL

PROPOSED RETAINING WALL

PROPOSED PUMP ROOM

PROPOSED SPRINKLER TANK

AUGUSTA STREET REFER TO DRAWING SSDA712 FOR DETAILS

PROPOSED CROSSOVER IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS. ALL EXISTING SERVICES ALIGNMENT, FITTINGS AND DEPTHS TO BE CONFIRMED VIA POTHOLING PRIOR TO COMMENCEMENT OF WORKS. TYPICAL

RAMP WITH MAX GRADE AS SHOWN AND TRANSITIONS TOP AND BOTTOM PER NOTE 7.

WESTERN CREEK REFER TO DRAWING SSDA415 FOR DETAILS

FINISHED LEVELS PLAN - WAREHOUSE 1 & 2

SCALE 1:500

LEVELS NOTE:

LEVELS SHOWN TO BE +/-1000mm FROM THOSE SHOWN. FINAL LEVELS SUBJECT TO FINAL GEOTECHNICAL INVESTIGATIONS, ARCHITECTURAL LAYOUT AND ACHIEVING A CUT TO FILL EARTHWORKS BALANCE OVER THE PROPERTY.

LEGEND:

LEVELS DATUM IS AHD.

- SGGP, SINGLE GRATED GULLY PIT
- SJP, SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- GD, GRATED DRAIN (300W x 225D UNO)
- 50.00 - FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
- 50.10 - FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS
- EXISTING ROAD PAVEMENT
- NEW ASPHALT ROAD PAVEMENT
- FOOTPATH
- NEW VEHICLE CROSSING

NOTES:

1. REFER TO DRAWING SSDA500 FOR FINISHED LEVELS NOTES.

5m 0 10 20 30 40 50m

SCALE 1:500 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
REVISED ARCHITECTURAL MASTERPLAN	11.09.23	D
ADDITIONAL PARKING SHOWN TO WH2	10.07.23	C
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
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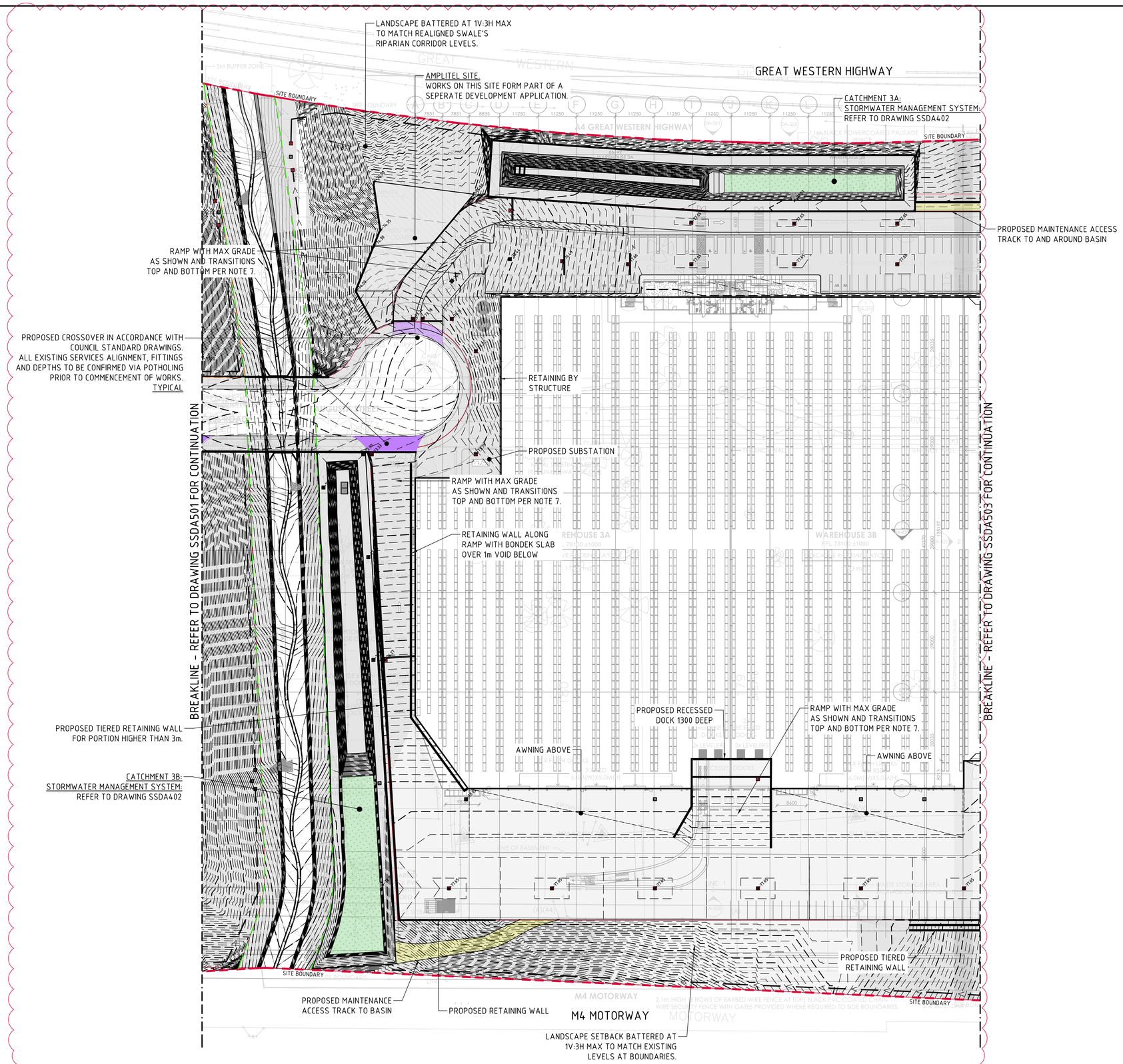
DRAWING TITLE: FINISHED LEVELS PLAN WAREHOUSE 1 & 2

DRAWING No: C013904.03-SSDA501 ISSUE: D



LEVELS NOTE:

LEVELS SHOWN TO BE +/-1000mm FROM THOSE SHOWN.
FINAL LEVELS SUBJECT TO FINAL GEOTECHNICAL INVESTIGATIONS, ARCHITECTURAL LAYOUT AND ACHIEVING A CUT TO FILL EARTHWORKS BALANCE OVER THE PROPERTY.

LEGEND:

LEVELS DATUM IS AHD.

- SGGP, SINGLE GRATED GULLY PIT
- SJP, SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- GD, GRATED DRAIN (300W x 225D UNO)
- 50.00 - FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
- 50.10 - FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS

NOTES:

1. REFER TO DRAWING SSDA500 FOR FINISHED LEVELS NOTES.

D

FINISHED LEVELS PLAN - WAREHOUSE 3
SCALE 1:500

5m 0 10 20 30 40 50m
SCALE 1:500 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
REVISED ARCHITECTURAL MASTERPLAN	11.09.23	D
ACOUSTIC FENCE ADDED TO WH3	10.07.23	C
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS
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DRAWING TITLE: FINISHED LEVELS PLAN WAREHOUSE 3
DRAWING No: C013904.03-SSDA502
ISSUE: D

LANDSCAPE SETBACK BATTERED AT 1V:3H MAX TO MATCH EXISTING LEVELS AT BOUNDARIES

PROPOSED MAINTENANCE ACCESS TRACK TO AND AROUND BASIN

PROPOSED 1m HIGH WALL BEHIND ACCESS TRACK WITH A 2m WIDE 1V:2.5H MAC BATTER BEHIND WALL

PROPOSED ACOUSTIC FENCE ALONG GREAT WESTERN HIGHWAY BOUNDARY ON TOP OF BATTER SHOWN

PROVIDE SMOOTH TRANSITION BETWEEN EXISTING FLOW PATH TO GWH AND REHABILITATED CREEK CROSS SECTION. MATCH LEVELS AND CROSS SECTION ALLOWING FOR A MINIMUM 1:5 TRANSITION LENGTH. FINAL ARRANGEMENT SUBJECT TO SITE CONDITION AND ON-SITE VERIFICATION.".

LANDSCAPE SETBACK BATTERED AT 1V:3H MAX TO MATCH EXISTING LEVELS AT BOUNDARIES

PROPOSED TIERED RETAINING WALL FOR PORTION HIGHER THAN 3m

GREAT WESTERN HIGHWAY

SITE BOUNDARY

BREAKLINE - REFER TO DRAWING SSDA502 FOR CONTINUATION

BREAKLINE - REFER TO DRAWING SSDA504 FOR CONTINUATION

PROPOSED RETAINING WALL

CATCHMENT 5:
STORMWATER MANAGEMENT SYSTEM:
REFER TO DRAWING SSDA403

PROPOSED RETAINING WALL

CATCHMENT 4:
STORMWATER MANAGEMENT SYSTEM:
REFER TO DRAWING SSDA403

PROPOSED RECESSED DOCK 1300 DEEP

RAMP WITH MAX GRADE AS SHOWN AND TRANSITIONS TOP AND BOTTOM PER NOTE 7.

AWNING ABOVE

PROPOSED RECESSED DOCK 1300 DEEP

RAMP WITH MAX GRADE AS SHOWN AND TRANSITIONS TOP AND BOTTOM PER NOTE 7.

AWNING ABOVE

AWNING ABOVE

PROPOSED PUMP ROOM

PROPOSED SPRINKLER TANK

PROPOSED TIERED RETAINING WALL

M4 MOTORWAY

PROPOSED TIERED RETAINING WALL FOR PORTION HIGHER THAN 3m

LANDSCAPE SETBACK BATTERED AT 1V:3H MAX TO MATCH EXISTING LEVELS AT BOUNDARIES

PROPOSED ACCESS TO EXISTING ELECTRICAL TOWERS

M4 MOTORWAY

HERITAGE SITE SHOWN THUS. NO WORKS WITHIN HERITAGE ZONE. MATCH LEVELS AT BOUNDARY OF HERITAGE SITE.

WETLAND
REFER TO DRAWING SSDA410

FINISHED LEVELS PLAN - WAREHOUSE 4
SCALE 1:500

5m 0 10 20 30 40 50m
SCALE 1:500 AT B1 SIZE SHEET

LEVELS NOTE:
LEVELS SHOWN TO BE +/-1000mm FROM THOSE SHOWN. FINAL LEVELS SUBJECT TO FINAL GEOTECHNICAL INVESTIGATIONS, ARCHITECTURAL LAYOUT AND ACHIEVING A CUT TO FILL EARTHWORKS BALANCE OVER THE PROPERTY.

LEGEND:
LEVELS DATUM IS AHD.

- SGGP, SINGLE GRATED GULLY PIT
- SJP, SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- GD, GRATED DRAIN (300W x 225D UNO)
- 50.00 - FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
- 50.10 - FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS

NOTES:
1. REFER TO DRAWING SSDA500 FOR FINISHED LEVELS NOTES.

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
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ACOUSTIC BUNDING & WALL TO WH3	10.07.23	C
ISSUED FOR INFORMATION	30.06.23	B
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DRAWING TITLE: FINISHED LEVELS PLAN WAREHOUSE 4

DRAWING No: C013904.03-SSDA503 ISSUE: D

PROPOSED TIERED RETAINING WALL FOR PORTION HIGHER THAN 3m

LANDSCAPE SETBACK BATTERED AT 1V:3H MAX TO MATCH EXISTING LEVELS AT BOUNDARIES

ACCESS TO WAREHOUSE 5 FROM GWH DESIGNED BY ALTERNATE CONSULTANT. DESIGN DOCUMENTS REGARDING ACCESS FROM TFNSW ASSET TO FORM PART OF THE SSDA APPLICATION

GREAT WESTERN HIGHWAY

LANDSCAPE SETBACK BATTERED AT 1V:3H MAX TO MATCH EXISTING LEVELS AT BOUNDARIES

SITE BOUNDARY

PROPOSED SPRINKLER TANK

PROPOSED COMBINED OSD AND STORMWATER QUALITY SYSTEM: REFER TO DRAWING SSDA404

CARPARK SET BELOW SUSPENDED WAREHOUSING ABOVE"

CATCHMENT 5A:
STORMWATER MANAGEMENT SYSTEM:
REFER TO DRAWING SSDA404

PROPOSED RETAINING WALL

PROPOSED RECESSED DOCK 1300 DEEP

PROPOSED RECESSED DOCK 1300 DEEP

AWNING ABOVE

AWNING ABOVE

PROPOSED TIERED RETAINING WALL FOR PORTION HIGHER THAN 3m

CARPARK SET BELOW SUSPENDED WAREHOUSING ABOVE"

CULVERT OR SIMILAR BRIDGING STRUCTURE BELOW WAREHHOUSE TO EXTERNAL PARKING AREA

PROPOSED RETAINING WALL

PROPOSED RETAINING WALL

SITE BOUNDARY

M4 MOTORWAY

PROPOSED ACCESS TO EXISTING ELECTRICAL TOWERS

LANDSCAPE SETBACK BATTERED AT 1V:3H MAX TO MATCH EXISTING LEVELS AT BOUNDARIES

WETLAND
REFER TO DRAWING SSDA410

BREAKLINE - REFER TO DRAWING SSDA503 FOR CONTINUATION

LEVELS NOTE:

LEVELS SHOWN TO BE +/-1000mm FROM THOSE SHOWN.
FINAL LEVELS SUBJECT TO FINAL GEOTECHNICAL INVESTIGATIONS, ARCHITECTURAL LAYOUT AND ACHIEVING A CUT TO FILL EARTHWORKS BALANCE OVER THE PROPERTY.

LEGEND:

LEVELS DATUM IS AHD.

- SGGP, SINGLE GRATED GULLY PIT
- SJP, SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- GD, GRATED DRAIN (300W x 225D UNO)
- 50.00 - FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
- 50.10 - FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS

NOTES:

1. REFER TO DRAWING SSDA500 FOR FINISHED LEVELS NOTES.

FINISHED LEVELS PLAN - WAREHOUSE 5 GROUND FLOOR
SCALE 1:500

5m 0 10 20 30 40 50m
SCALE 1:500 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
REVISED ARCHITECTURAL MASTERPLAN	11.09.23	D
REVISED AS CLOUDED	10.07.23	C
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT
PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA504

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DRAWING TITLE
FINISHED LEVELS PLAN
WAREHOUSE 5 GROUND FLOOR

DRAWING No: C013904.03-SSDA504
ISSUE: C

GREAT WESTERN HIGHWAY

GREAT WESTERN HIGHWAY

FLUSHCOMBE ROAD

LIMIT OF WORKS

TIE IN OF FLUSHCOMBE ROAD TO BE COORDINATED WITH MUGROUP DESIGN OF THE GREAT WESTERN HIGHWAY & FLUSHCOMBE ROAD INTERSECTION

DRIVEWAY ACCESS FROM FLUSHCOMBE ROAD TO BE CONSTRUCTED IN ACCORDANCE WITH BLACKTOWN COUNCIL. TYPICAL HATCHED.

WAREHOUSE 1
REFER TO DRAWING SSDA401

DRIVEWAY ACCESS FROM AUGUSTA STREET TO BE CONSTRUCTED IN ACCORDANCE WITH BLACKTOWN COUNCIL. TYPICAL HATCHED.

DRIVEWAY ACCESS FROM AUGUSTA STREET TO BE CONSTRUCTED IN ACCORDANCE WITH BLACKTOWN COUNCIL. TYPICAL HATCHED.

CUL-DE-SAC DESIGNED TO HUNTINGWOOD PRECINCT DCP REQUIREMENTS.

REFER TO SSDA712

AUGUSTA STREET

AUGUSTASTREET ROAD WIDTH TO BE CONSTRUCTED AS PER TYPICAL CROSS SECTION SHOWN ON DRAWING SSDA750.

HEADWALL DESIGN TO BE CONFIRMED DURING DETAILED DIESGN STAGE.

PROPOSED 2xØ1200 PIPE & HEADWALLS

REFER TO SSDA711

FLUSHCOMBE ROAD

WAREHOUSE 2
REFER TO DRAWING SSDA401

LOCATION OF EXISTING SERVICES TO BE CONFIRMED BEFORE CONSTRUCTION

FLUSHCOMBE ROAD HALF WIDTH TO BE CONSTRUCTED AS PER TYPICAL CROSS SECTION SHOWN ON DRAWING SSDA750.

DRIVEWAY ACCESS FROM FLUSHCOMBE ROAD TO BE CONSTRUCTED IN ACCORDANCE WITH BLACKTOWN COUNCIL. TYPICAL HATCHED.

WAREHOUSE 3A

WAREHOUSE 3B

ROADWORKS GENERAL ARRANGEMENT PLAN
SCALE 1:500

5m 0 10 20 30 40 50m
SCALE 1:500 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
REVISED ARCHITECTURAL	11.09.23	D
REVISED AS CLOUDED	10.07.23	C
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

AMENDMENTS	DATE	ISSUE

ARCHITECT
PACE ARCHITECTS

CLIENT
LOGOS

PROJECT
PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA 700

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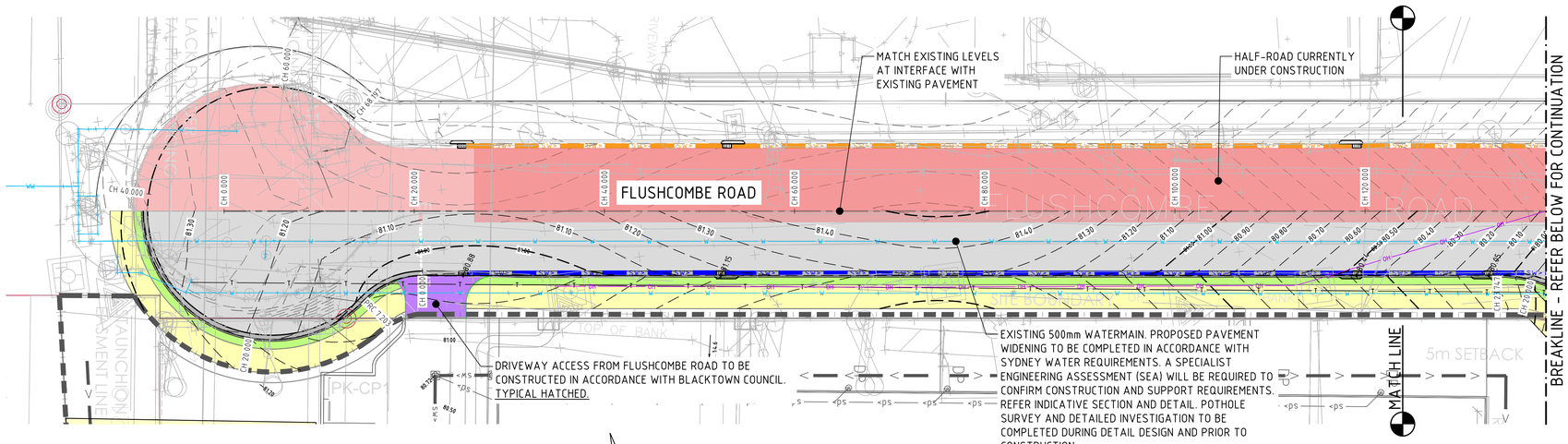
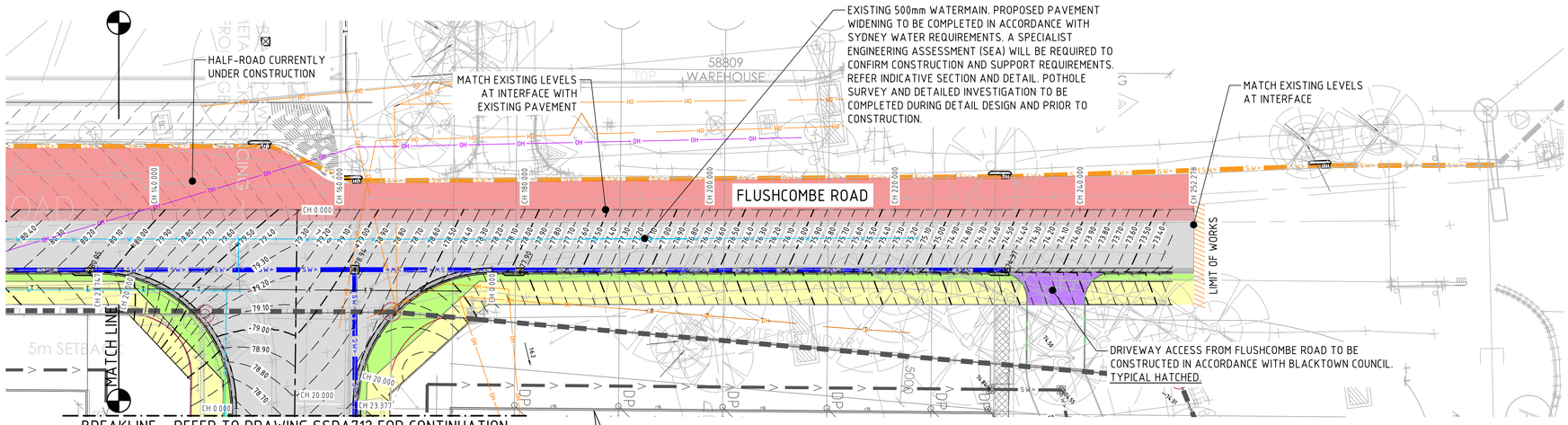
DRAWING TITLE
ROADWORKS GENERAL ARRANGEMENT PLAN

DRAWING No C013904.03-SSDA700 ISSUE D



FLUSHCOMBE ROAD GENERAL ARRANGEMENT & FINISHED LEVELS PLAN
SCALE 1:250



FLUSHCOMBE ROAD GENERAL ARRANGEMENT & FINISHED LEVELS PLAN
SCALE 1:250

LEGEND:

- EXISTING ROAD PAVEMENT
- NEW ASPHALT ROAD PAVEMENT
- FOOTPATH
- NEW VEHICLE CROSSING
- NEW KERB INLET PIT
- EXISTING KERB INLET PIT
- NEW STORMWATER PIPE
- EXISTING STORMWATER PIPE
- EXISTING WATERMAIN PIPE

NOTE:

REFER TO C013904.03-SSDA721 FOR LONG-SECTIONS
REFER TO C013904.03-SSDA750 FOR TYPICAL SECTIONS
REFER TO C013904.03-SSDA755 FOR TYPICAL DETAILS

2m 0 5 10 15 20 25m
SCALE 1:250 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

AMENDMENTS	DATE	ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA 711

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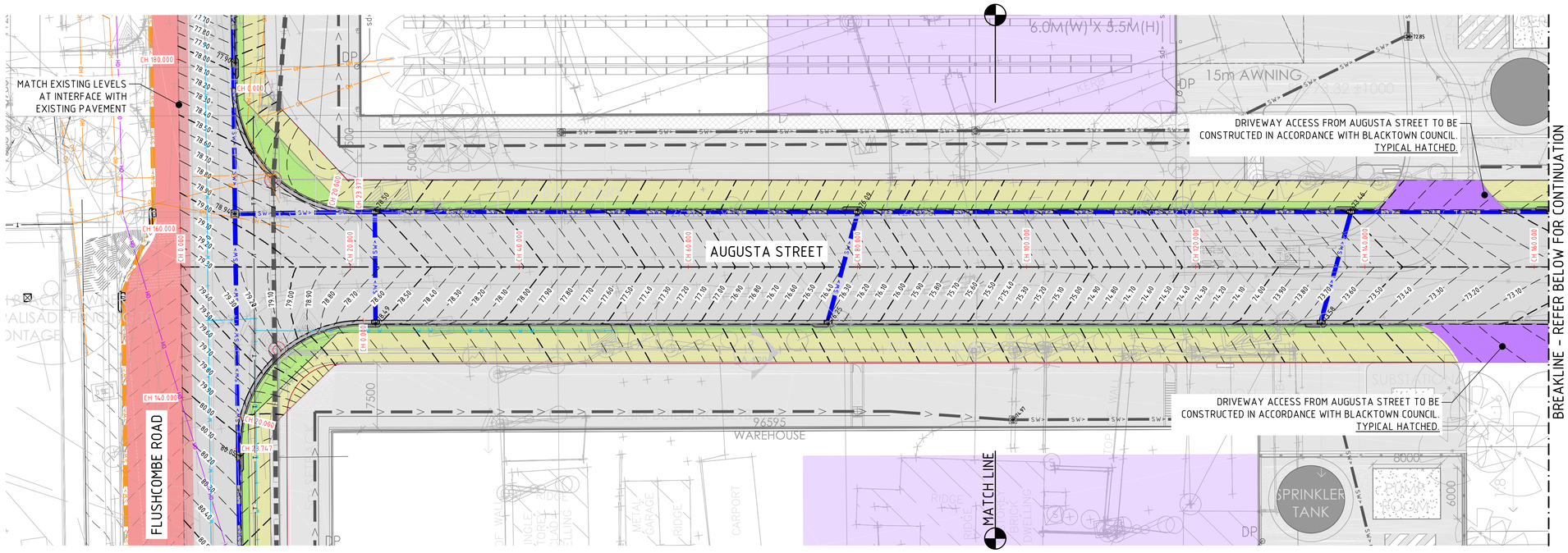
DRAWING TITLE: ROADWORKS CIVIL WORKS PLAN SHEET 1

DRAWING No: C013904.03-SSDA711

ISSUE: B



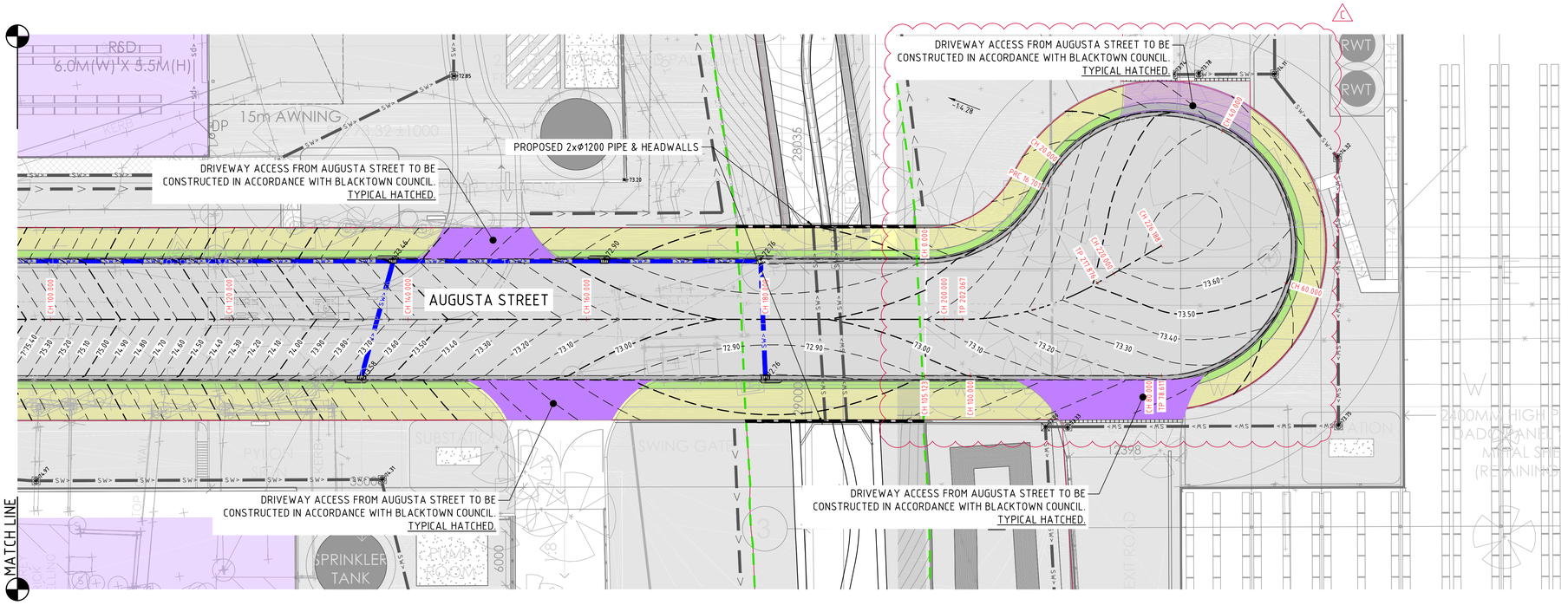
AUGUSTA STREET GENERAL ARRANGEMENT & FINISHED LEVELS PLAN
SCALE 1:250

LEGEND:

- EXISTING ROAD PAVEMENT
- NEW ASPHALT ROAD PAVEMENT
- FOOTPATH
- NEW VEHICLE CROSSING
- NEW KERB INLET PIT
- EXISTING KERB INLET PIT
- NEW STORMWATER PIPE
- EXISTING STORMWATER PIPE

NOTE:

REFER TO C013904.03-SSDA721 FOR LONG-SECTIONS
REFER TO C013904.03-SSDA750 FOR TYPICAL SECTIONS
REFER TO C013904.03-SSDA755 FOR TYPICAL DETAILS



AUGUSTA STREET GENERAL ARRANGEMENT & FINISHED LEVELS PLAN
SCALE 1:250

2m 0 5 10 15 20 25m
SCALE 1:250 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR INFORMATION	11.09.23	C
ISSUED FOR INFORMATION	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS
PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA712

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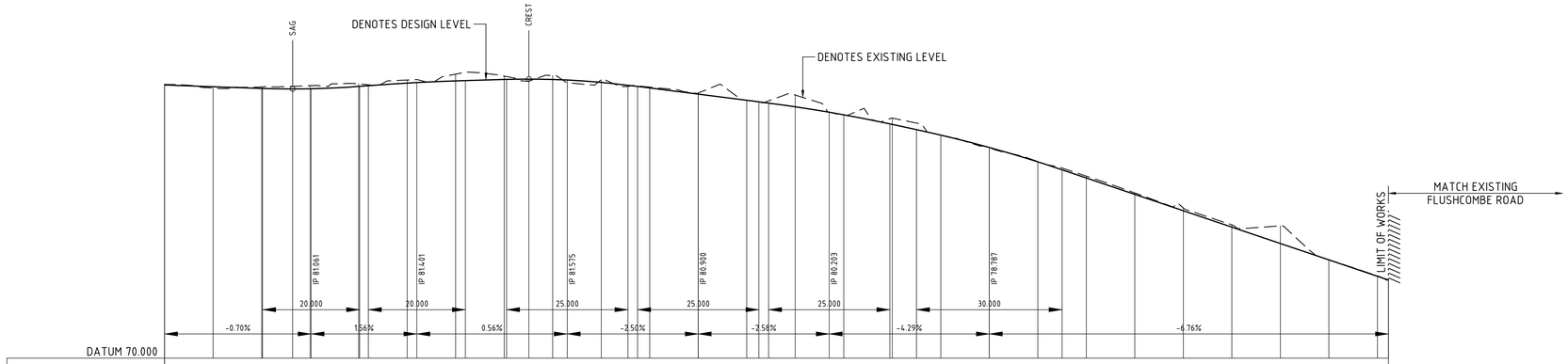
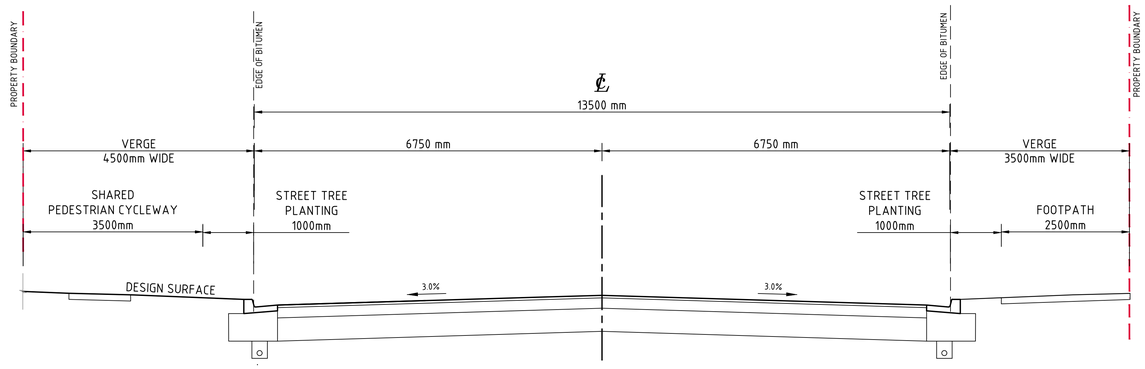
DRAWING TITLE: ROADWORKS CIVIL WORKS PLAN SHEET 2
DRAWING No: C013904.03-SSDA712
ISSUE: C

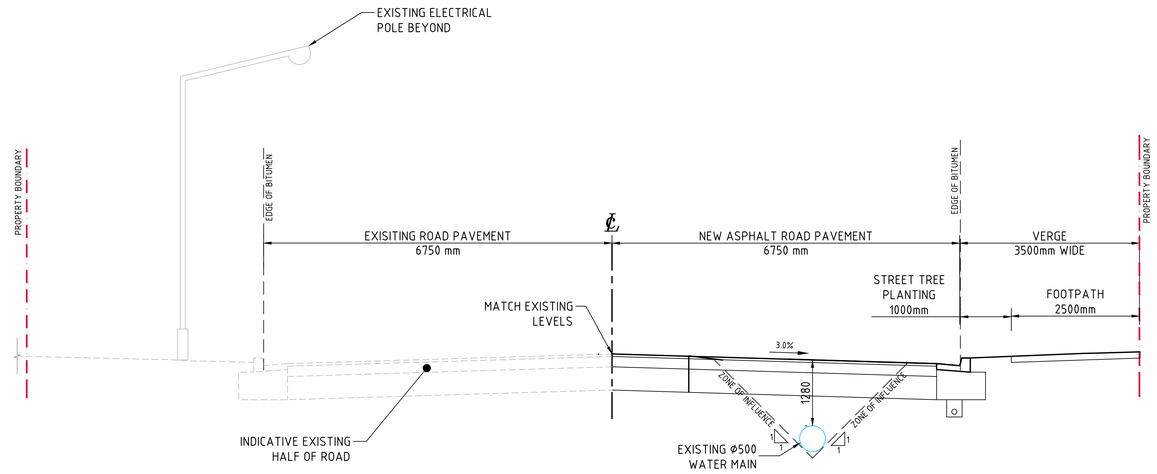

SAG
DENOTES DESIGN LEVEL
CREST
DENOTES EXISTING LEVEL
MATCH EXISTING
FLUSHCOMBE ROAD
LIMIT OF WORKS
IP 81.061
IP 81.401
IP 81.575
IP 80.900
IP 80.203
IP 78.787
20.000
20.000
25.000
25.000
25.000
30.000
-0.70%
1.56%
0.56%
-2.50%
-2.58%
-4.29%
-6.76%

| | | |



AUGUSTA STREET TYPICAL SECTION

SCALE 1:50



FLUSHCOMBE ROAD TYPICAL SECTION

SCALE 1:50

500mm 0 1 2 3 4 5m

SCALE 1:50 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
REVISED AS CLOUDED	30.06.23	B
ISSUED FOR INFORMATION	16.06.23	A

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA750

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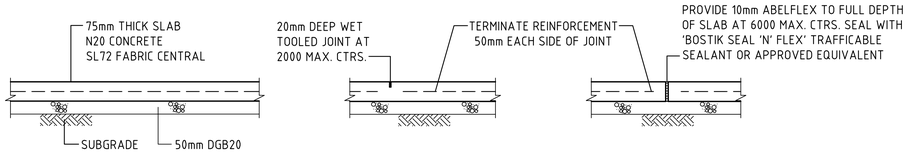
DRAWING TITLE: ROADWORKS TYPICAL SECTIONS

DRAWING No: C013904.03-SSDA750

ISSUE: B

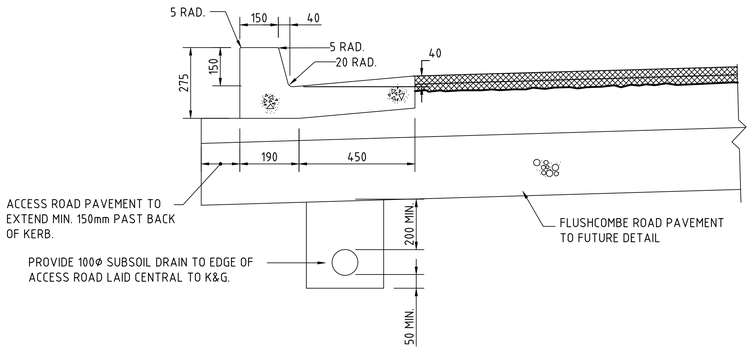


PEDESTRIAN SLAB PROFILE DETAIL | WET TOOLED JOINT | BUTT JOINT

PEDESTRIAN SLAB DETAILS

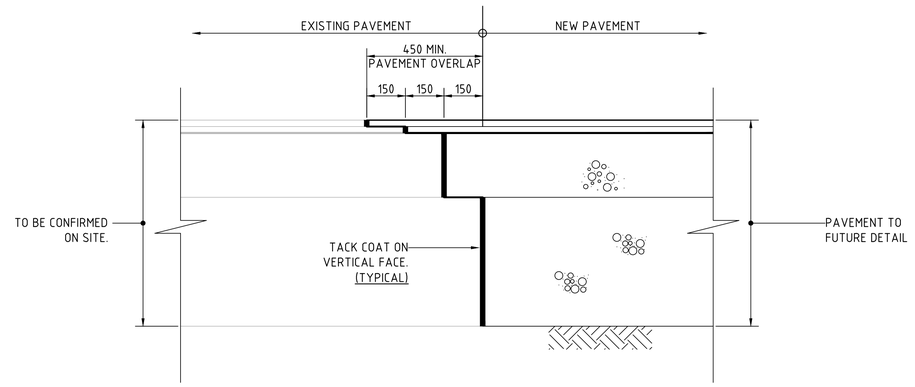
SCALE 1:10

CONCRETE QUALITY					
ELEMENT	SLUMP	AGGREGATE (MAX. SIZE)	CEMENT TYPE	ADMIXTURE	F'c (MPa)
PEDESTRIAN SLABS	80	20	SL	NIL	25



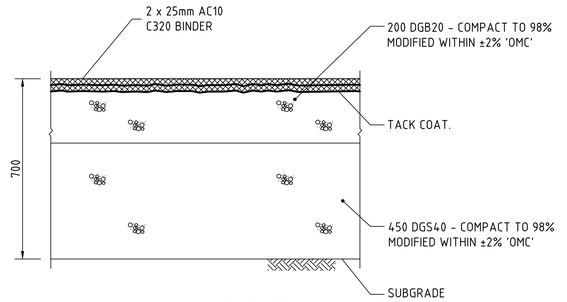
KERB & GUTTER (K&G) & SUBSOIL DETAIL

SCALE 1:10



TYPICAL NEW / EXISTING PAVEMENT INTERFACE DETAIL

SCALE 1:10



ROAD PAVEMENT DETAIL

SCALE 1:10

DESIGN TRAFFIC OF 1 x 10^7 ESA's
DESIGN CBR VALUE OF 3.0%
CBR OF SUBGRADE TO BE CONFIRMED TO ENGINEER FOR FINAL PAVEMENT OPTIMISATION AND DESIGN.
CBR OF SELECT FILL TO BE CONFIRMED PRIOR TO CONSTRUCTION OF ANY SUBSEQUENT PAVEMENT LAYER

NOTE:

CONFIRMATION OF PAVEMENT DESIGN THROUGH FLUSHCOMBE ROAD SUBJECT TO COUNCIL APPROVAL & CONFIRMATION OF EXISTING FLUSHCOMBE PAVEMENT.

500mm 0 1 2 3 4 5m

SCALE 1:50 AT B1 SIZE SHEET

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR INFORMATION	16.06.23	A

AMENDMENTS	DATE	ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-SSDA755

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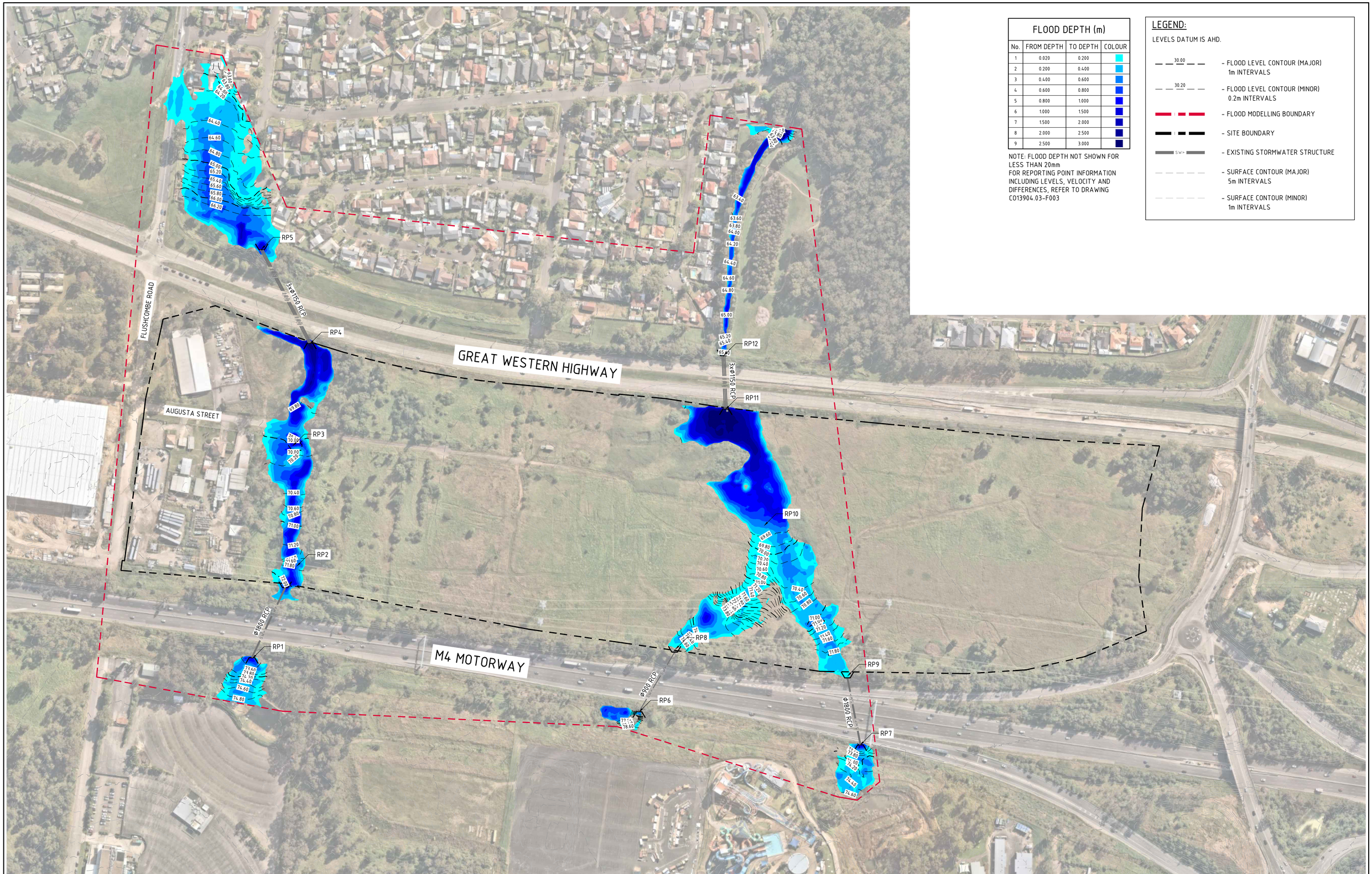
DRAWING TITLE: ROADWORKS TYPICAL DETAILS

DRAWING No: C013904.03-SSDA755 | ISSUE: A



FLOOD DEPTH (m)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.020	0.200	
2	0.200	0.400	
3	0.400	0.600	
4	0.600	0.800	
5	0.800	1.000	
6	1.000	1.500	
7	1.500	2.000	
8	2.000	2.500	
9	2.500	3.000	

NOTE: FLOOD DEPTH NOT SHOWN FOR LESS THAN 20mm
FOR REPORTING POINT INFORMATION INCLUDING LEVELS, VELOCITY AND DIFFERENCES, REFER TO DRAWING C013904.03-F003

LEGEND:

LEVELS DATUM IS AHD.

- 30.00 – FLOOD LEVEL CONTOUR (MAJOR) 1m INTERVALS
- 30.20 – FLOOD LEVEL CONTOUR (MINOR) 0.2m INTERVALS
- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW – EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

1% AEP PRE-DEVELOPMENT FLOOD LEVELS AND DEPTHS
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA	30.06.23	B
ISSUED FOR INFORMATION	23.06.23	A

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F001

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DRAWING TITLE: 1% AEP PRE-DEVELOPMENT FLOOD LEVELS AND DEPTHS

DRAWING No: C013904.03-F001 ISSUE: B

FLOOD DEPTH (m)			
No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.020	0.200	
2	0.200	0.400	
3	0.400	0.600	
4	0.600	0.800	
5	0.800	1.000	
6	1.000	1.500	
7	1.500	2.000	
8	2.000	2.500	
9	2.500	3.000	
10	3.000	4.000	

NOTE: FLOOD DEPTH NOT SHOWN FOR LESS THAN 20mm
FOR REPORTING POINT INFORMATION INCLUDING LEVELS, VELOCITY AND DIFFERENCES, REFER TO DRAWING C013904.03-F003

LEGEND:

LEVELS DATUM IS AHD.

- 30.00 – FLOOD LEVEL CONTOUR (MAJOR) 1m INTERVALS
- 30.20 – FLOOD LEVEL CONTOUR (MINOR) 0.2m INTERVALS
- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> – EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

GREAT WESTERN HIGHWAY

M4 MOTORWAY

FLUSHCOMBE ROAD

AUGUSTA STREET

WAREHOUSE 1
FFL RL 73.31 ± 1000mm

WAREHOUSE 2
FFL RL 76.00 ± 1000mm

WAREHOUSE 3
FFL RL 78.10 ± 1000mm

WAREHOUSE 4
FFL RL 78.10 ± 1000mm

WAREHOUSE 5
FFL RL 85.30 ± 1000mm

RECONSTRUCT 2xØ1200 RCP AT BASE OF REALIGNED CREEK TO CONVEY FLOWS UNDER AUGUSTA STREET

3xØ1150 RCP

Ø1800 RCP

Ø900 RCP

RP1 RP2 RP3 RP4 RP5 RP6 RP7 RP8 RP9 RP10 RP11 RP12

1% AEP POST-DEVELOPMENT FLOOD LEVELS AND DEPTHS

SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m

SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
CORRECTED WAREHOUSE 5's NUMBER, AS CLOUDED	10.07.23	C
ISSUED FOR SSDA	30.06.23	B
ISSUED FOR INFORMATION	23.06.23	A

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE '22	MW	B1	AS SHOWN	C013904.03-F002

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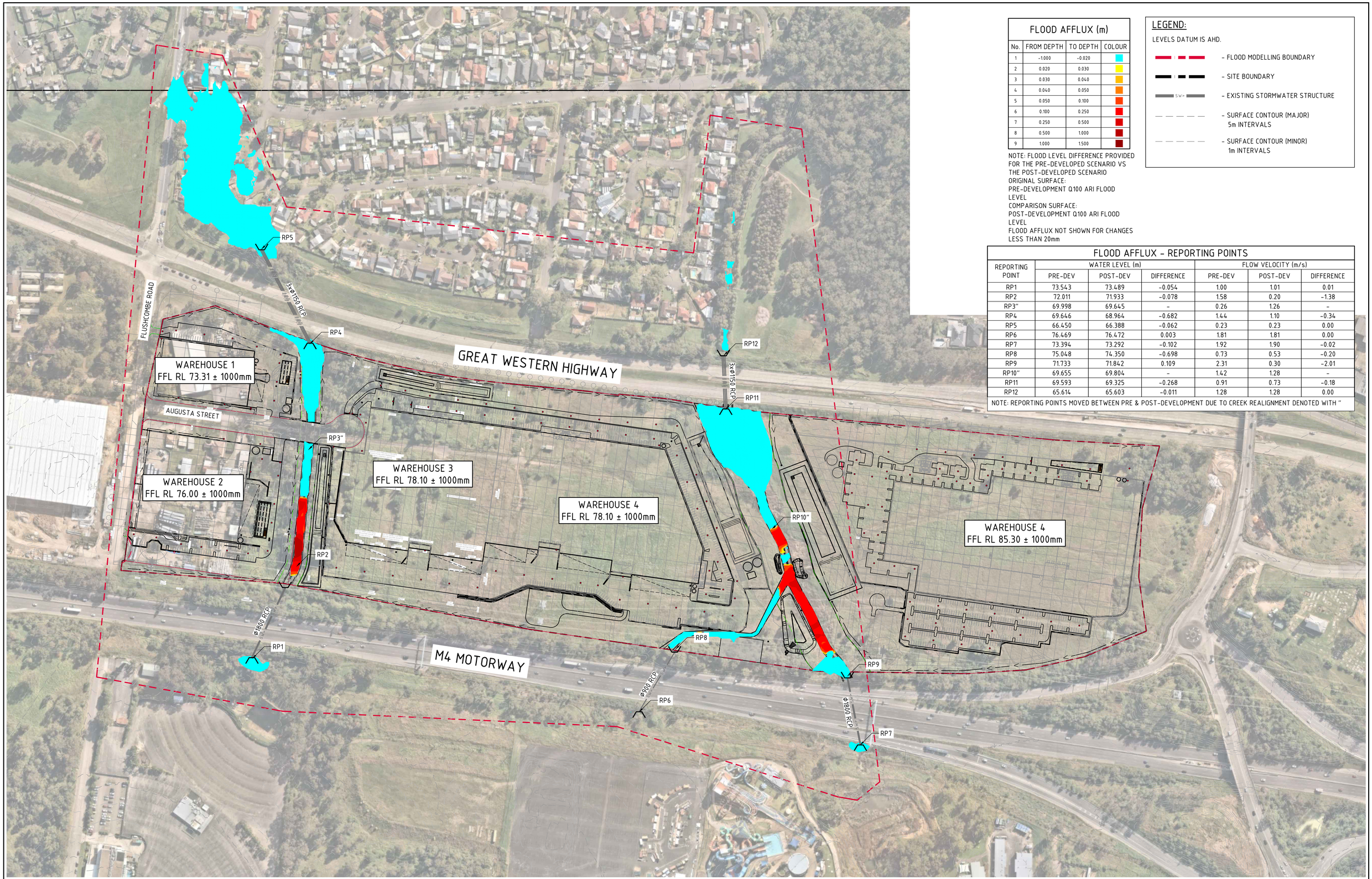
DRAWING TITLE: 1% AEP POST-DEVELOPMENT FLOOD LEVELS AND DEPTHS

DRAWING No: C013904.03-F002

ISSUE: C



FLOOD AFFLUX (m)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	-1.000	-0.020	
2	0.020	0.030	
3	0.030	0.040	
4	0.040	0.050	
5	0.050	0.100	
6	0.100	0.250	
7	0.250	0.500	
8	0.500	1.000	
9	1.000	1.500	

NOTE: FLOOD LEVEL DIFFERENCE PROVIDED FOR THE PRE-DEVELOPED SCENARIO VS THE POST-DEVELOPED SCENARIO
ORIGINAL SURFACE:
PRE-DEVELOPMENT Q100 ARI FLOOD LEVEL
COMPARISON SURFACE:
POST-DEVELOPMENT Q100 ARI FLOOD LEVEL
FLOOD AFFLUX NOT SHOWN FOR CHANGES LESS THAN 20mm

LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

FLOOD AFFLUX - REPORTING POINTS

REPORTING POINT	WATER LEVEL (m)			FLOW VELOCITY (m/s)		
	PRE-DEV	POST-DEV	DIFFERENCE	PRE-DEV	POST-DEV	DIFFERENCE
RP1	73.543	73.489	-0.054	1.00	1.01	0.01
RP2	72.011	71.933	-0.078	1.58	0.20	-1.38
RP3"	69.998	69.645	-	0.26	1.26	-
RP4	69.646	68.964	-0.682	1.44	1.10	-0.34
RP5	66.450	66.388	-0.062	0.23	0.23	0.00
RP6	76.469	76.472	0.003	1.81	1.81	0.00
RP7	73.394	73.292	-0.102	1.92	1.90	-0.02
RP8	75.048	74.350	-0.698	0.73	0.53	-0.20
RP9	71.733	71.842	0.109	2.31	0.30	-2.01
RP10"	69.655	69.804	-	1.42	1.28	-
RP11	69.593	69.325	-0.268	0.91	0.73	-0.18
RP12	65.614	65.603	-0.011	1.28	1.28	0.00

NOTE: REPORTING POINTS MOVED BETWEEN PRE & POST-DEVELOPMENT DUE TO CREEK REALIGNMENT DENOTED WITH "

1% AEP FLOOD LEVEL AFFLUX

SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m

SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA	30.06.23	B
ISSUED FOR INFORMATION	23.06.23	A

AMENDMENTS DATE ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F003

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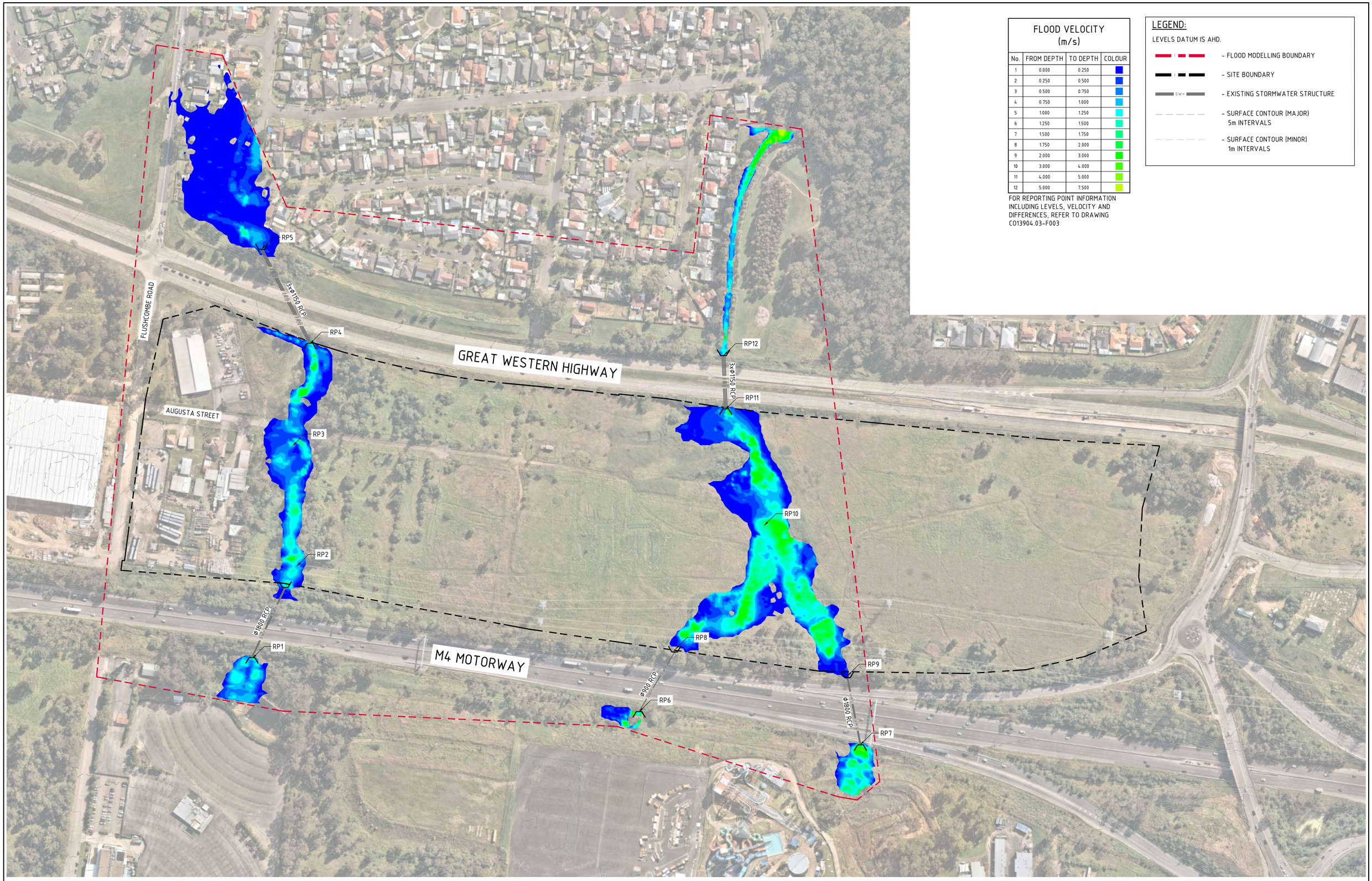
DRAWING TITLE: 1% AEP FLOOD LEVEL AFFLUX

DRAWING No: C013904.03-F003 ISSUE: B



FLOOD VELOCITY (m/s)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.000	0.250	
2	0.250	0.500	
3	0.500	0.750	
4	0.750	1.000	
5	1.000	1.250	
6	1.250	1.500	
7	1.500	1.750	
8	1.750	2.000	
9	2.000	3.000	
10	3.000	4.000	
11	4.000	5.000	
12	5.000	7.500	

FOR REPORTING POINT INFORMATION INCLUDING LEVELS, VELOCITY AND DIFFERENCES, REFER TO DRAWING C013904.03-F003

LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

1% AEP PRE-DEVELOPMENT FLOOD VELOCITY
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA	30.06.26	B
ISSUED FOR INFORMATION	23.06.23	A

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F004

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DRAWING TITLE: 1% AEP PRE-DEVELOPMENT FLOOD VELOCITY

DRAWING No: C013904.03-F004 ISSUE: B

FLOOD VELOCITY (m/s)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.000	0.250	
2	0.250	0.500	
3	0.500	0.750	
4	0.750	1.000	
5	1.000	1.250	
6	1.250	1.500	
7	1.500	1.750	
8	1.750	2.000	
9	2.000	3.000	
10	3.000	4.000	
11	4.000	5.000	
12	5.000	7.500	

FOR REPORTING POINT INFORMATION INCLUDING LEVELS, VELOCITY AND DIFFERENCES, REFER TO DRAWING C013904.03-F003

LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

RP5
3x⌀1150 RCP
RP4
FLUSHCOMBE ROAD
WAREHOUSE 1
FFL RL 73.31 ± 1000mm
GREAT WESTERN HIGHWAY
RECONSTRUCT 2x⌀1200 RCP AT BASE OF REALIGNED CREEK TO CONVEY FLOWS UNDER AUGUSTA STREET
AUGUSTA STREET
RP3
WAREHOUSE 2
FFL RL 76.00 ± 1000mm
WAREHOUSE 3
FFL RL 78.10 ± 1000mm
WAREHOUSE 4
FFL RL 78.10 ± 1000mm
RP2
RP12
3x⌀1150 RCP
RP11
RP10
WAREHOUSE 5
FFL RL 85.30 ± 1000mm
⌀1800 RCP
RP1
M4 MOTORWAY
RP8
⌀900 RCP
RP6
RP9
⌀1800 RCP
RP7

1% AEP POST-DEVELOPMENT FLOOD VELOCITY
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
CORRECTED WAREHOUSE 5's NUMBER, AS CLOUDED	10.07.23	C
ISSUED FOR SSDA	30.06.23	B
ISSUED FOR INFORMATION	23.06.23	A

AMENDMENTS DATE ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F005

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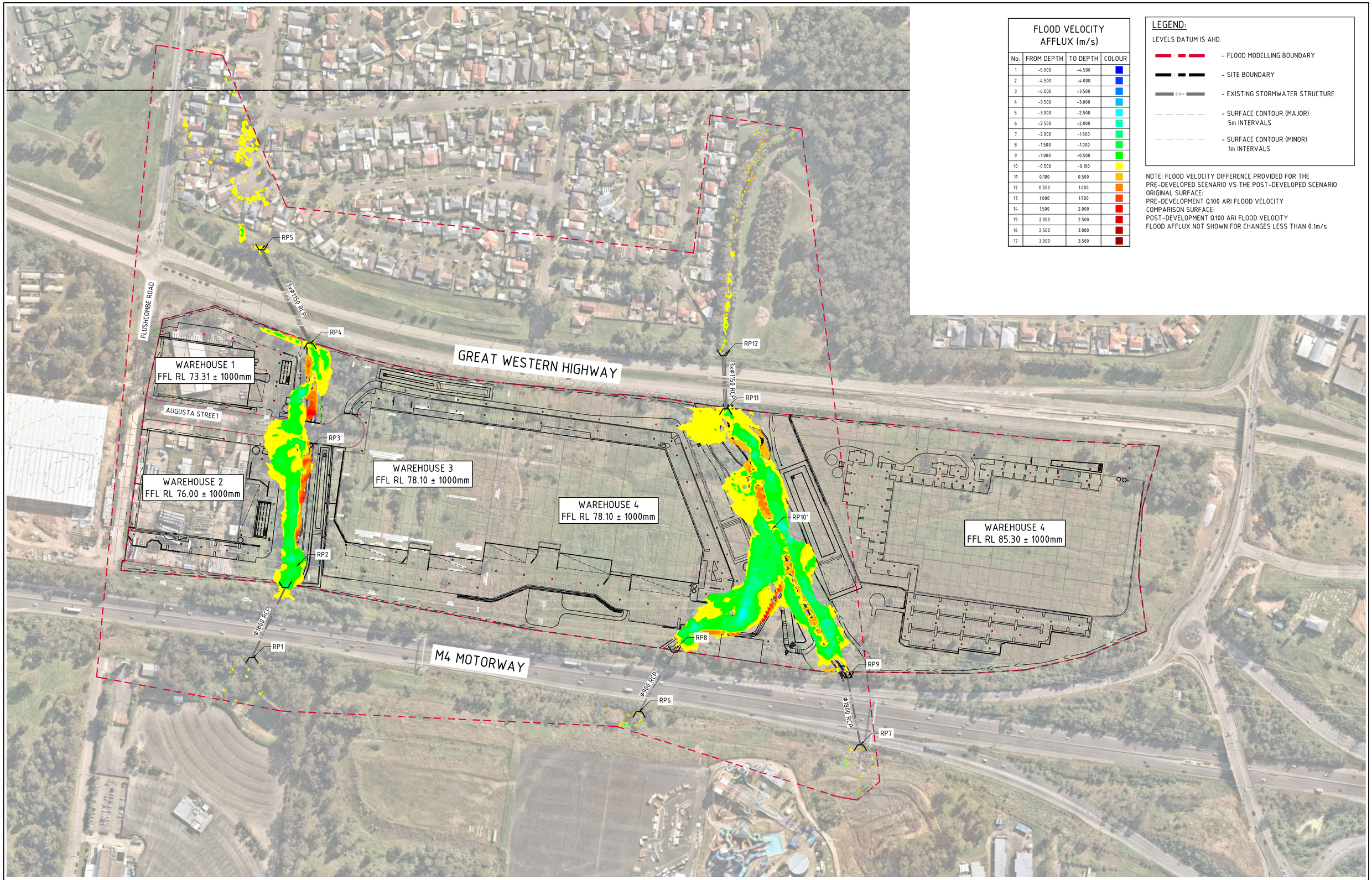
DRAWING TITLE: 1% AEP POST-DEVELOPMENT FLOOD VELOCITY

DRAWING No: C013904.03-F005 ISSUE: C



FLOOD VELOCITY AFFLUX (m/s)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	-5.000	-4.500	
2	-4.500	-4.000	
3	-4.000	-3.500	
4	-3.500	-3.000	
5	-3.000	-2.500	
6	-2.500	-2.000	
7	-2.000	-1.500	
8	-1.500	-1.000	
9	-1.000	-0.500	
10	-0.500	-0.100	
11	0.100	0.500	
12	0.500	1.000	
13	1.000	1.500	
14	1.500	2.000	
15	2.000	2.500	
16	2.500	3.000	
17	3.000	3.500	

LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW - EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

NOTE: FLOOD VELOCITY DIFFERENCE PROVIDED FOR THE PRE-DEVELOPED SCENARIO VS THE POST-DEVELOPED SCENARIO
ORIGINAL SURFACE:
PRE-DEVELOPMENT Q100 ARI FLOOD VELOCITY
COMPARISON SURFACE:
POST-DEVELOPMENT Q100 ARI FLOOD VELOCITY
FLOOD AFFLUX NOT SHOWN FOR CHANGES LESS THAN 0.1m/s

1% AEP FLOOD VELOCITY AFFLUX

SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m

SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA	30.06.23	B
ISSUED FOR INFORMATION	23.06.23	A

AMENDMENTS DATE ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F006

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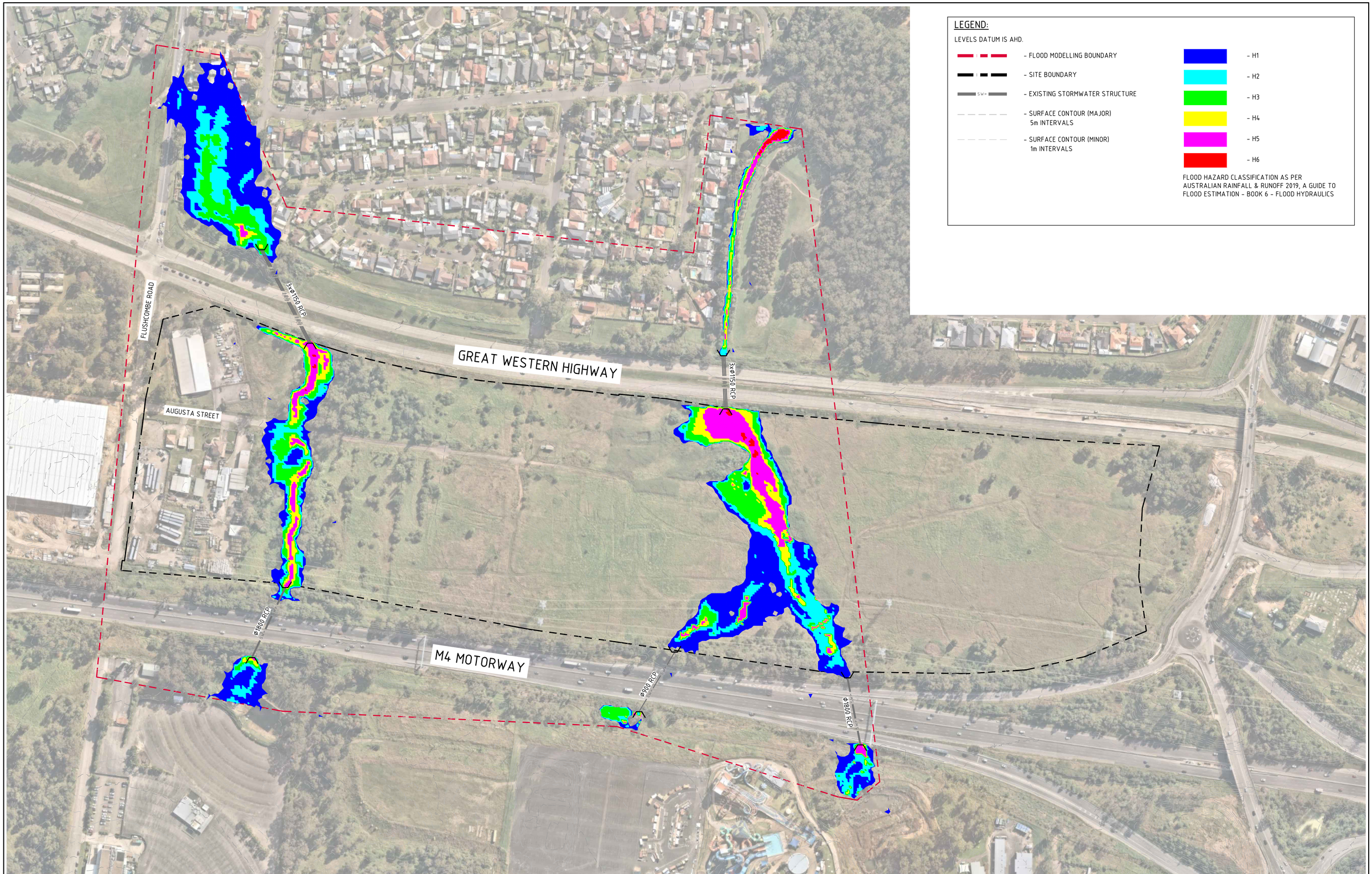
DRAWING TITLE: 1% AEP FLOOD VELOCITY AFFLUX

DRAWING No: C013904.03-F006 ISSUE: B



LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

- H1
- H2
- H3
- H4
- H5
- H6

FLOOD HAZARD CLASSIFICATION AS PER AUSTRALIAN RAINFALL & RUNOFF 2019, A GUIDE TO FLOOD ESTIMATION - BOOK 6 - FLOOD HYDRAULICS

1% AEP PRE-DEVELOPMENT FLOOD HAZARD

SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m

SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA	30.06.23	B
ISSUED FOR INFORMATION	23.06.23	A

AMENDMENTS DATE ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F007

CONSULT AUSTRALIA

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DRAWING TITLE: 1% AEP PRE-DEVELOPMENT FLOOD HAZARD

DRAWING No: C013904.03-F007 ISSUE: B

LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

- H1
- H2
- H3
- H4
- H5
- H6

FLOOD HAZARD CLASSIFICATION AS PER AUSTRALIAN RAINFALL & RUNOFF 2019, A GUIDE TO FLOOD ESTIMATION - BOOK 6 - FLOOD HYDRAULICS

FLUSHCOMBE ROAD

3xØ1150 RCP

GREAT WESTERN HIGHWAY

3xØ1150 RCP

WAREHOUSE 1
FFL RL 73.31 ± 1000mm

AUGUSTA STREET

RECONSTRUCT 2xØ1200 RCP AT BASE OF REALIGNED CREEK TO CONVEY FLOWS UNDER AUGUSTA STREET

WAREHOUSE 2
FFL RL 76.00 ± 1000mm

WAREHOUSE 3
FFL RL 78.10 ± 1000mm

WAREHOUSE 4
FFL RL 78.10 ± 1000mm

WAREHOUSE 5
FFL RL 85.30 ± 1000mm

Ø1800 RCP

M4 MOTORWAY

Ø900 RCP

Ø1800 RCP

1% AEP POST-DEVELOPMENT FLOOD HAZARD
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
CORRECTED WAREHOUSE 5's NUMBER, AS CLOUDED	10.07.23	C
ISSUED FOR SSDA	30.06.23	B
ISSUED FOR INFORMATION	23.06.23	A

AMENDMENTS	DATE	ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F008

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CRC COSTIN ROE CONSULTING | CIVIL & STRUCTURAL ENGINEERS

DRAWING TITLE: 1% AEP POST-DEVELOPMENT FLOOD HAZARD

DRAWING No: C013904.03-F008 ISSUE: C

FLOOD DEPTH (m)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.020	0.200	
2	0.200	0.400	
3	0.400	0.600	
4	0.600	0.800	
5	0.800	1.000	
6	1.000	1.500	
7	1.500	2.000	
8	2.000	2.500	
9	2.500	5.000	
10	5.000	7.500	

NOTE: FLOOD DEPTH NOT SHOWN FOR LESS THAN 20mm

FLOOD LEVEL - REPORTING POINTS

REPORTING POINT	FLOOD LEVEL (m)
RP1	80.282
RP2	73.426
RP3"	72.525
RP4	72.516
RP5	66.685
RP6	78.388
RP7	76.576
RP8	75.406
RP9	73.830
RP10"	73.368
RP11	73.368
RP12	67.171

LEGEND:

LEVELS DATUM IS AHD.

- 30.00 – FLOOD LEVEL CONTOUR (MAJOR) 1m INTERVALS
- 30.20 – FLOOD LEVEL CONTOUR (MINOR) 0.2m INTERVALS
- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> – EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

GREAT WESTERN HIGHWAY

M4 MOTORWAY

FLUSHCOMBE ROAD

AUGUSTA STREET

RP1 RP2 RP3 RP4 RP5 RP6 RP7 RP8 RP9 RP10 RP11 RP12

3X Ø1150 RCP

Ø1800 RCP

Ø900 RCP

PMF PRE-DEVELOPMENT FLOOD LEVELS AND DEPTHS

SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m

SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA	30.06.23	A

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F010

CONSULT AUSTRALIA

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CRC COSTIN ROE CONSULTING | CIVIL & STRUCTURAL ENGINEERS

DRAWING TITLE: PMF PRE-DEVELOPMENT FLOOD LEVELS AND DEPTHS

DRAWING No: C013904.03-F010 ISSUE: A

FLOOD DEPTH (m)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.020	0.200	
2	0.200	0.400	
3	0.400	0.600	
4	0.600	0.800	
5	0.800	1.000	
6	1.000	1.500	
7	1.500	2.000	
8	2.000	2.500	
9	2.500	5.000	
10	5.000	7.500	

NOTE: FLOOD DEPTH NOT SHOWN FOR LESS THAN 20mm

FLOOD LEVEL - REPORTING POINTS

REPORTING POINT	FLOOD LEVEL (m)
RP1	80.079
RP2	72.545
RP3"	72.485
RP4	72.471
RP5	66.757
RP6	77.359
RP7	76.514
RP8	74.713
RP9	73.394
RP10"	73.376
RP11	73.374
RP12	67.153

LEGEND:

LEVELS DATUM IS AHD.

- 30.00 – FLOOD LEVEL CONTOUR (MAJOR) 1m INTERVALS
- 30.20 – FLOOD LEVEL CONTOUR (MINOR) 0.2m INTERVALS
- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> – EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

GREAT WESTERN HIGHWAY

M4 MOTORWAY

FLUSHCOMBE ROAD

AUGUSTA STREET

WAREHOUSE 1
FFL RL 73.31 ± 1000mm

WAREHOUSE 2
FFL RL 76.00 ± 1000mm

WAREHOUSE 3
FFL RL 78.10 ± 1000mm

WAREHOUSE 4
FFL RL 78.10 ± 1000mm

WAREHOUSE 5
FFL RL 85.30 ± 1000mm

RECONSTRUCT 2xØ1200 RCP AT BASE OF REALIGNED CREEK TO CONVEY FLOWS UNDER AUGUSTA STREET

3xØ1150 RCP

Ø1800 RCP

Ø900 RCP

Ø1080 RCP

RP1 RP2 RP3 RP4 RP5 RP6 RP7 RP8 RP9 RP10 RP11 RP12

PMF POST-DEVELOPMENT FLOOD LEVELS AND DEPTHS
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
CORRECTED WAREHOUSE 5's NUMBER, AS CLOUDED	10.07.23	B
ISSUED FOR SSDA	30.06.23	A

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F011

CONSULT AUSTRALIA

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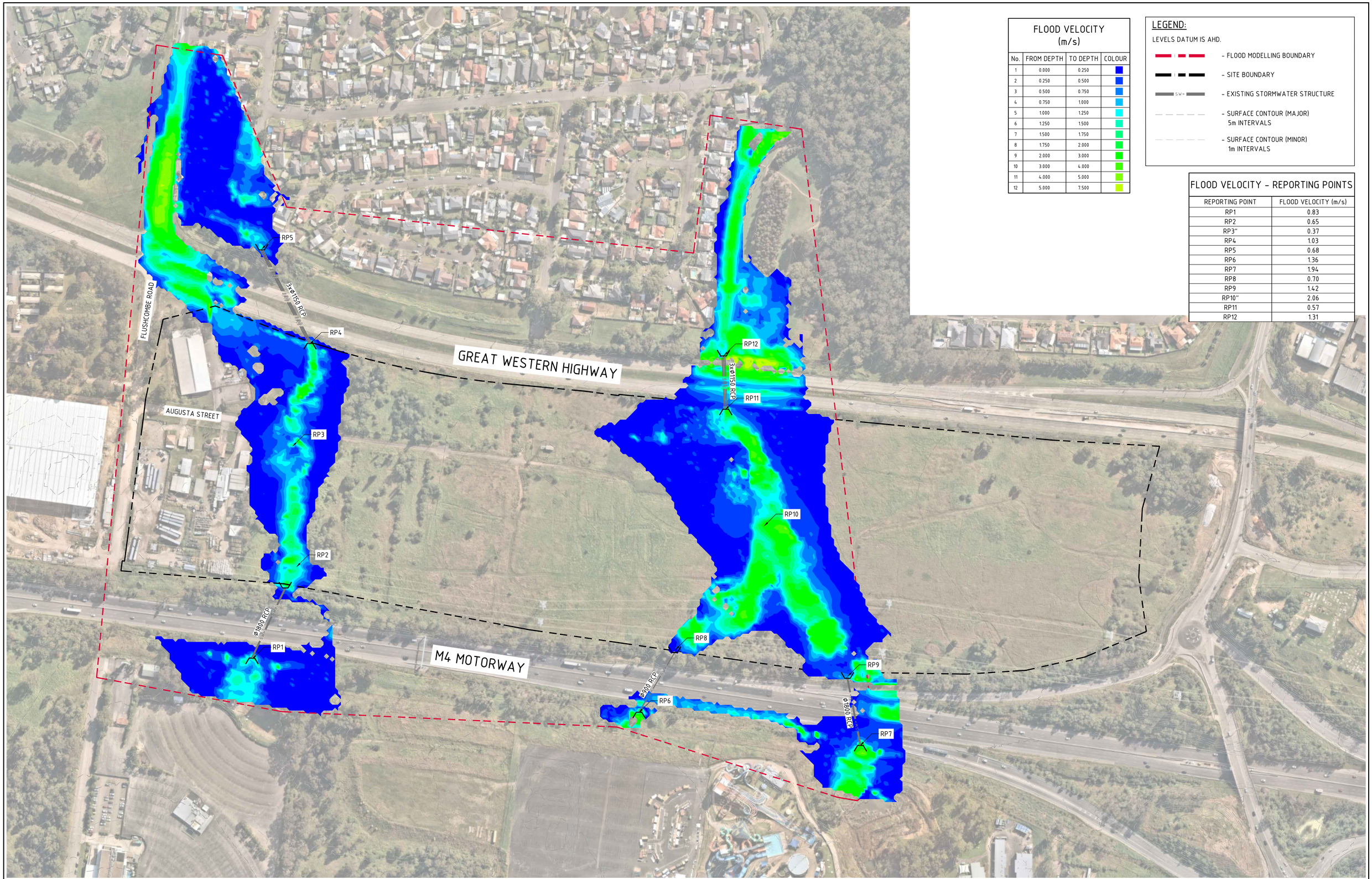
DRAWING TITLE: PMF POST-DEVELOPMENT FLOOD LEVELS AND DEPTHS

DRAWING No: C013904.03-F011 ISSUE: B



FLOOD VELOCITY (m/s)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.000	0.250	
2	0.250	0.500	
3	0.500	0.750	
4	0.750	1.000	
5	1.000	1.250	
6	1.250	1.500	
7	1.500	1.750	
8	1.750	2.000	
9	2.000	3.000	
10	3.000	4.000	
11	4.000	5.000	
12	5.000	7.500	

LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

FLOOD VELOCITY - REPORTING POINTS

REPORTING POINT	FLOOD VELOCITY (m/s)
RP1	0.83
RP2	0.65
RP3"	0.37
RP4	1.03
RP5	0.68
RP6	1.36
RP7	1.94
RP8	0.70
RP9	1.42
RP10"	2.06
RP11	0.57
RP12	1.31

PMF PRE-DEVELOPMENT FLOOD VELOCITY
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA	30.06.23	A

AMENDMENTS	DATE	ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F012

CONSULT AUSTRALIA

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DRAWING TITLE: PMF PRE-DEVELOPMENT FLOOD VELOCITY

DRAWING No: C013904.03-F012 ISSUE: A

FLOOD VELOCITY (m/s)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.000	0.250	
2	0.250	0.500	
3	0.500	0.750	
4	0.750	1.000	
5	1.000	1.250	
6	1.250	1.500	
7	1.500	1.750	
8	1.750	2.000	
9	2.000	3.000	
10	3.000	4.000	
11	4.000	5.000	
12	5.000	7.500	

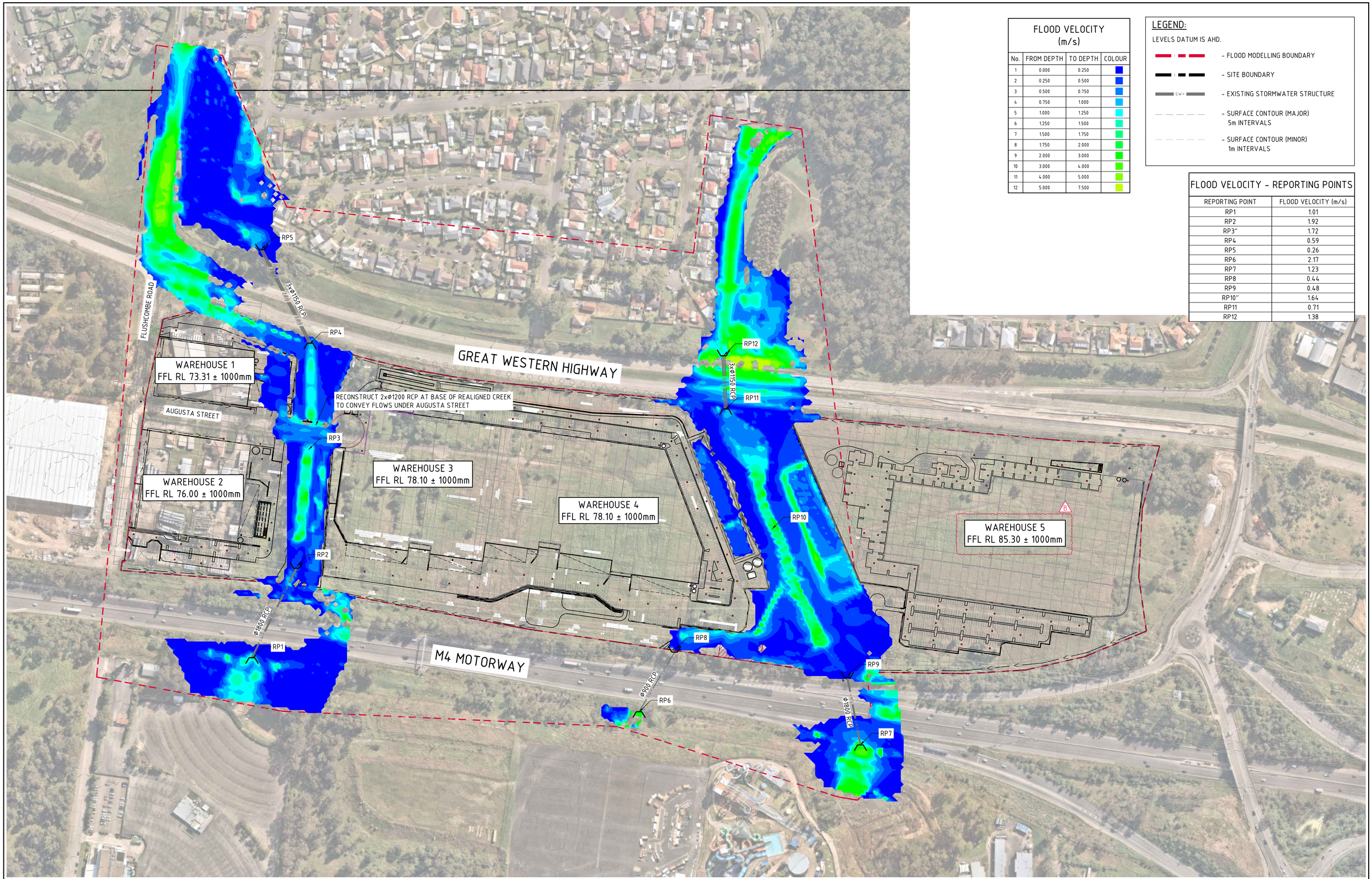
LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

FLOOD VELOCITY - REPORTING POINTS

REPORTING POINT	FLOOD VELOCITY (m/s)
RP1	1.01
RP2	1.92
RP3"	1.72
RP4	0.59
RP5	0.26
RP6	2.17
RP7	1.23
RP8	0.44
RP9	0.48
RP10"	1.64
RP11	0.71
RP12	1.38



PMF POST-DEVELOPMENT FLOOD VELOCITY
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
CORRECTED WAREHOUSE 5's NUMBER, AS CLOUDED	10.07.23	B
ISSUED FOR SSDA	30.06.23	A

AMENDMENTS DATE ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F013

CONSULT AUSTRALIA

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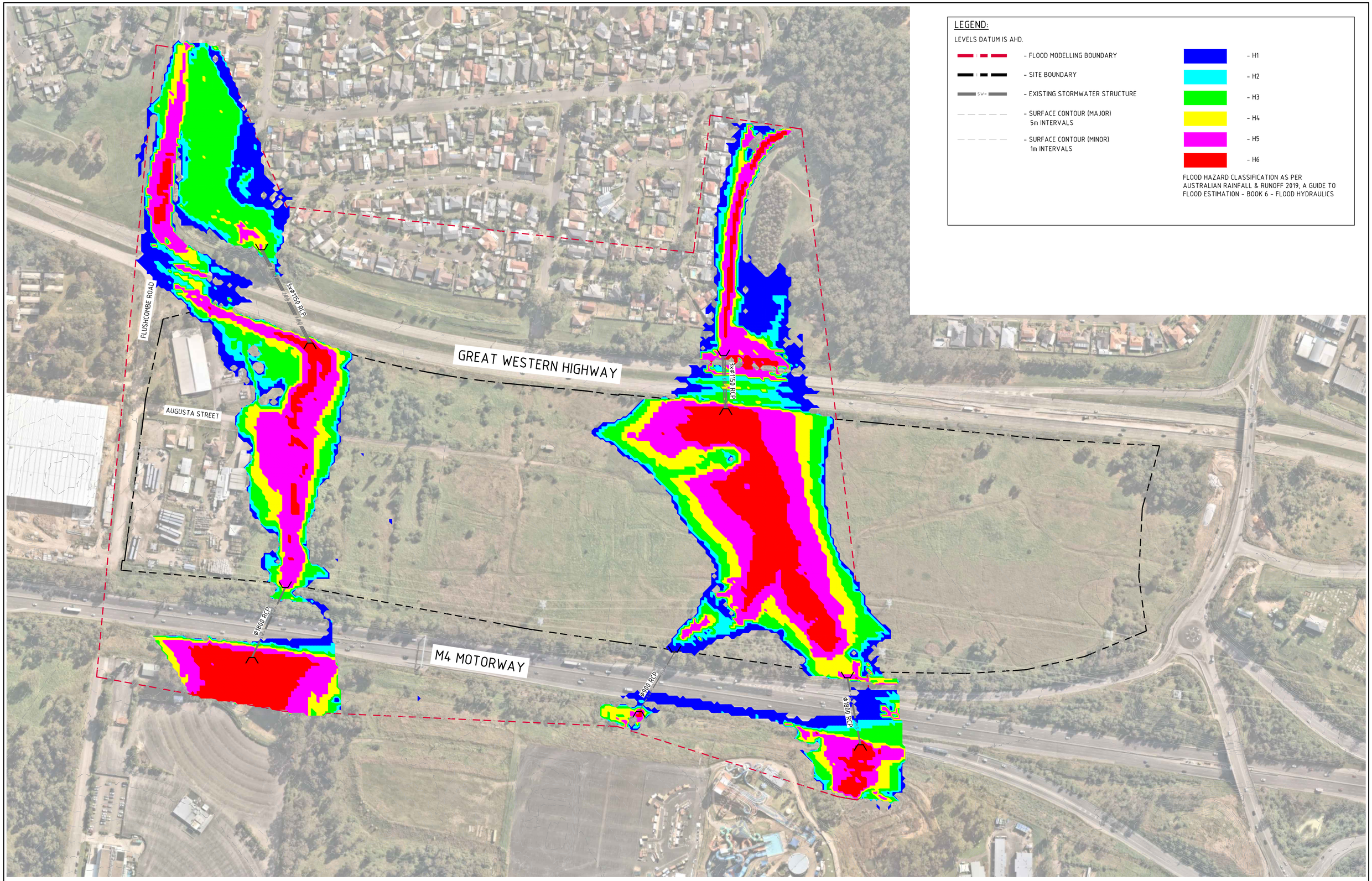
DRAWING TITLE: PMF POST-DEVELOPMENT FLOOD VELOCITY

DRAWING No: C013904.03-F013 ISSUE: B



LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

- H1
- H2
- H3
- H4
- H5
- H6

FLOOD HAZARD CLASSIFICATION AS PER AUSTRALIAN RAINFALL & RUNOFF 2019, A GUIDE TO FLOOD ESTIMATION - BOOK 6 - FLOOD HYDRAULICS

PMF PRE-DEVELOPMENT FLOOD HAZARD
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA	30.06.23	A

AMENDMENTS	DATE	ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F014

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DRAWING TITLE: PMF PRE-DEVELOPMENT FLOOD HAZARD

DRAWING No: C013904.03-F014 ISSUE: A

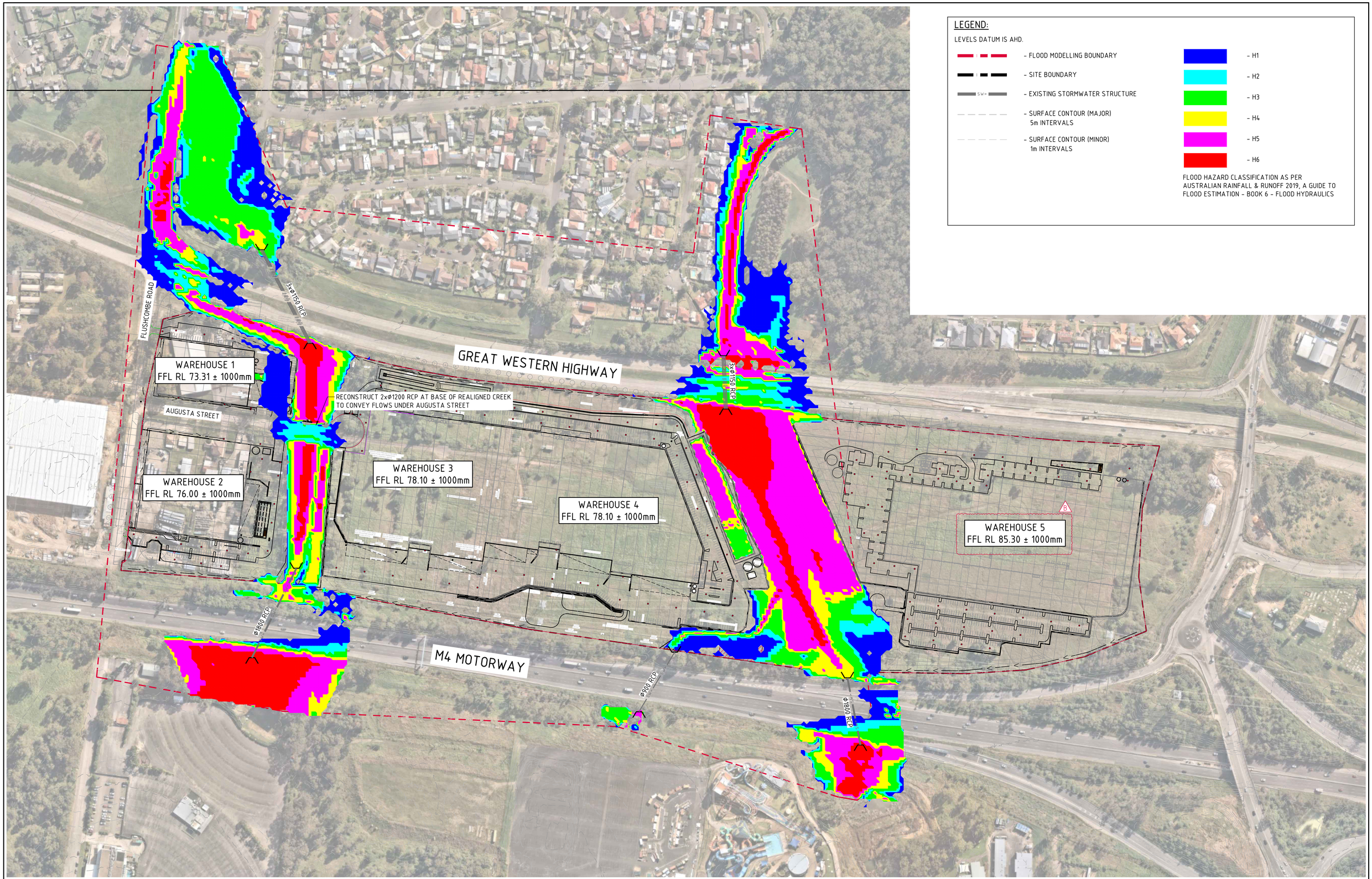
LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

- H1
- H2
- H3
- H4
- H5
- H6

FLOOD HAZARD CLASSIFICATION AS PER AUSTRALIAN RAINFALL & RUNOFF 2019, A GUIDE TO FLOOD ESTIMATION - BOOK 6 - FLOOD HYDRAULICS



PMF POST-DEVELOPMENT FLOOD HAZARD
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
CORRECTED WAREHOUSE 5's NUMBER, AS CLOUDED	10.07.23	B
ISSUED FOR SSDA	30.06.23	A

AMENDMENTS DATE ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F015

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DRAWING TITLE: PMF POST-DEVELOPMENT FLOOD HAZARD

DRAWING No: C013904.03-F015 ISSUE: B

FLOOD DEPTH (m)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.020	0.200	
2	0.200	0.400	
3	0.400	0.600	
4	0.600	0.800	
5	0.800	1.000	
6	1.000	1.500	
7	1.500	2.000	
8	2.000	2.500	
9	2.500	3.000	

NOTE: FLOOD DEPTH NOT SHOWN FOR LESS THAN 20mm

FLOOD LEVEL - REPORTING POINTS

REPORTING POINT	FLOOD LEVEL (m)
RP1	73.226
RP2	71.765
RP3"	69.872
RP4	68.233
RP5	66.323
RP6	76.391
RP7	73.098
RP8	74.829
RP9	71.681
RP10"	69.591
RP11	69.235
RP12	65.600

LEGEND:

LEVELS DATUM IS AHD.

- 30.00 – FLOOD LEVEL CONTOUR (MAJOR) 1m INTERVALS
- 30.20 – FLOOD LEVEL CONTOUR (MINOR) 0.2m INTERVALS
- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> – EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

FLUSHCOMBE ROAD
AUGUSTA STREET
GREAT WESTERN HIGHWAY
M4 MOTORWAY
RP1
RP2
RP3"
RP4
RP5
RP6
RP7
RP8
RP9
RP10"
RP11
RP12
3x Ø1150 RCP
Ø1800 RCP
Ø900 RCP

5% AEP PRE-DEVELOPMENT FLOOD LEVELS AND DEPTHS
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA	30.06.23	A

AMENDMENTS	DATE	ISSUE

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS

PROJECT
PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F020

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DRAWING TITLE
5% AEP PRE-DEVELOPMENT FLOOD LEVELS AND DEPTHS

DRAWING No C013904.03-F020
ISSUE A

FLOOD DEPTH (m)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.020	0.200	
2	0.200	0.400	
3	0.400	0.600	
4	0.600	0.800	
5	0.800	1.000	
6	1.000	1.500	
7	1.500	2.000	
8	2.000	2.500	
9	2.500	3.000	
10	3.000	4.000	

NOTE: FLOOD DEPTH NOT SHOWN FOR LESS THAN 20mm

FLOOD LEVEL - REPORTING POINTS

REPORTING POINT	FLOOD LEVEL (m)
RP1	73.258
RP2	71.828
RP3"	69.319
RP4	68.368
RP5	66.337
RP6	76.396
RP7	73.058
RP8	74.172
RP9	71.763
RP10"	69.638
RP11	68.203
RP12	65.575

LEGEND:

LEVELS DATUM IS AHD.

- 30.00 – FLOOD LEVEL CONTOUR (MAJOR) 1m INTERVALS
- 30.20 – FLOOD LEVEL CONTOUR (MINOR) 0.2m INTERVALS
- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> – EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

GREAT WESTERN HIGHWAY

M4 MOTORWAY

FLUSHCOMBE ROAD

AUGUSTA STREET

WAREHOUSE 1
FFL RL 73.31 ± 1000mm

WAREHOUSE 2
FFL RL 76.00 ± 1000mm

WAREHOUSE 3
FFL RL 78.10 ± 1000mm

WAREHOUSE 4
FFL RL 78.10 ± 1000mm

WAREHOUSE 5
FFL RL 85.30 ± 1000mm

RECONSTRUCT 2xØ1200 RCP AT BASE OF REALIGNED CREEK TO CONVEY FLOWS UNDER AUGUSTA STREET

3xØ1150 RCP

Ø1800 RCP

Ø900 RCP

RP1 RP2 RP3" RP4 RP5 RP6 RP7 RP8 RP9 RP10" RP11 RP12

5% AEP POST-DEVELOPMENT FLOOD LEVELS AND DEPTHS
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
CORRECTED WAREHOUSE 5's NUMBER, AS CLOUDED	10.07.23	B
ISSUED FOR SSDA	30.06.23	A

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE '22	MW	B1	AS SHOWN	C013904.03-F021

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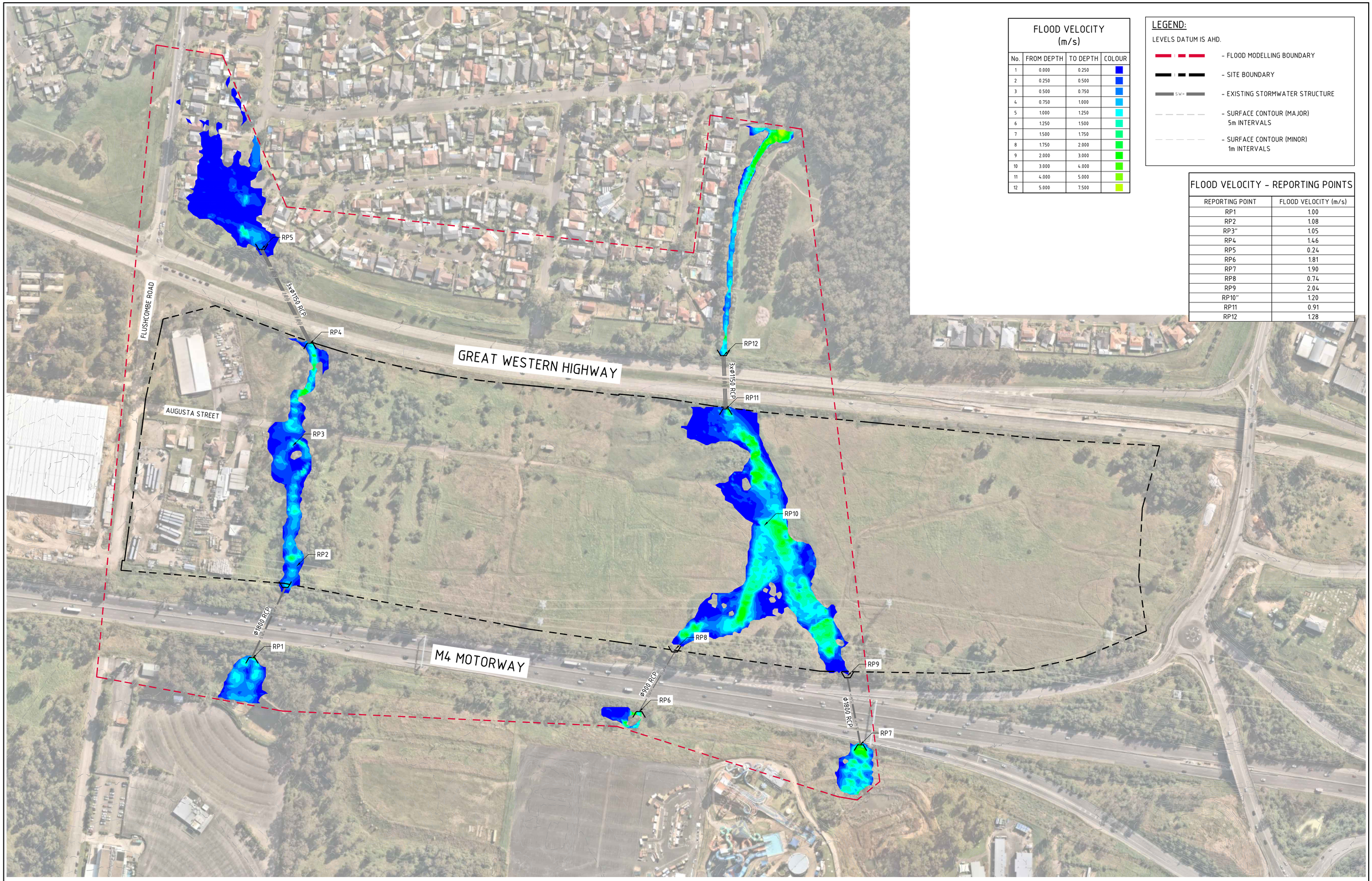
DRAWING TITLE: 5% AEP POST-DEVELOPMENT FLOOD LEVELS AND DEPTHS

DRAWING No: C013904.03-F021 ISSUE: B



FLOOD VELOCITY (m/s)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.000	0.250	
2	0.250	0.500	
3	0.500	0.750	
4	0.750	1.000	
5	1.000	1.250	
6	1.250	1.500	
7	1.500	1.750	
8	1.750	2.000	
9	2.000	3.000	
10	3.000	4.000	
11	4.000	5.000	
12	5.000	7.500	

LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

FLOOD VELOCITY - REPORTING POINTS

REPORTING POINT	FLOOD VELOCITY (m/s)
RP1	1.00
RP2	1.08
RP3"	1.05
RP4	1.46
RP5	0.24
RP6	1.81
RP7	1.90
RP8	0.74
RP9	2.04
RP10"	1.20
RP11	0.91
RP12	1.28

5% AEP PRE-DEVELOPMENT FLOOD VELOCITY
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA	30.06.23	A

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F022

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DRAWING TITLE: 5% AEP PRE-DEVELOPMENT FLOOD VELOCITY

DRAWING No: C013904.03-F022 ISSUE: A

FLOOD VELOCITY (m/s)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.000	0.250	
2	0.250	0.500	
3	0.500	0.750	
4	0.750	1.000	
5	1.000	1.250	
6	1.250	1.500	
7	1.500	1.750	
8	1.750	2.000	
9	2.000	3.000	
10	3.000	4.000	
11	4.000	5.000	
12	5.000	7.500	

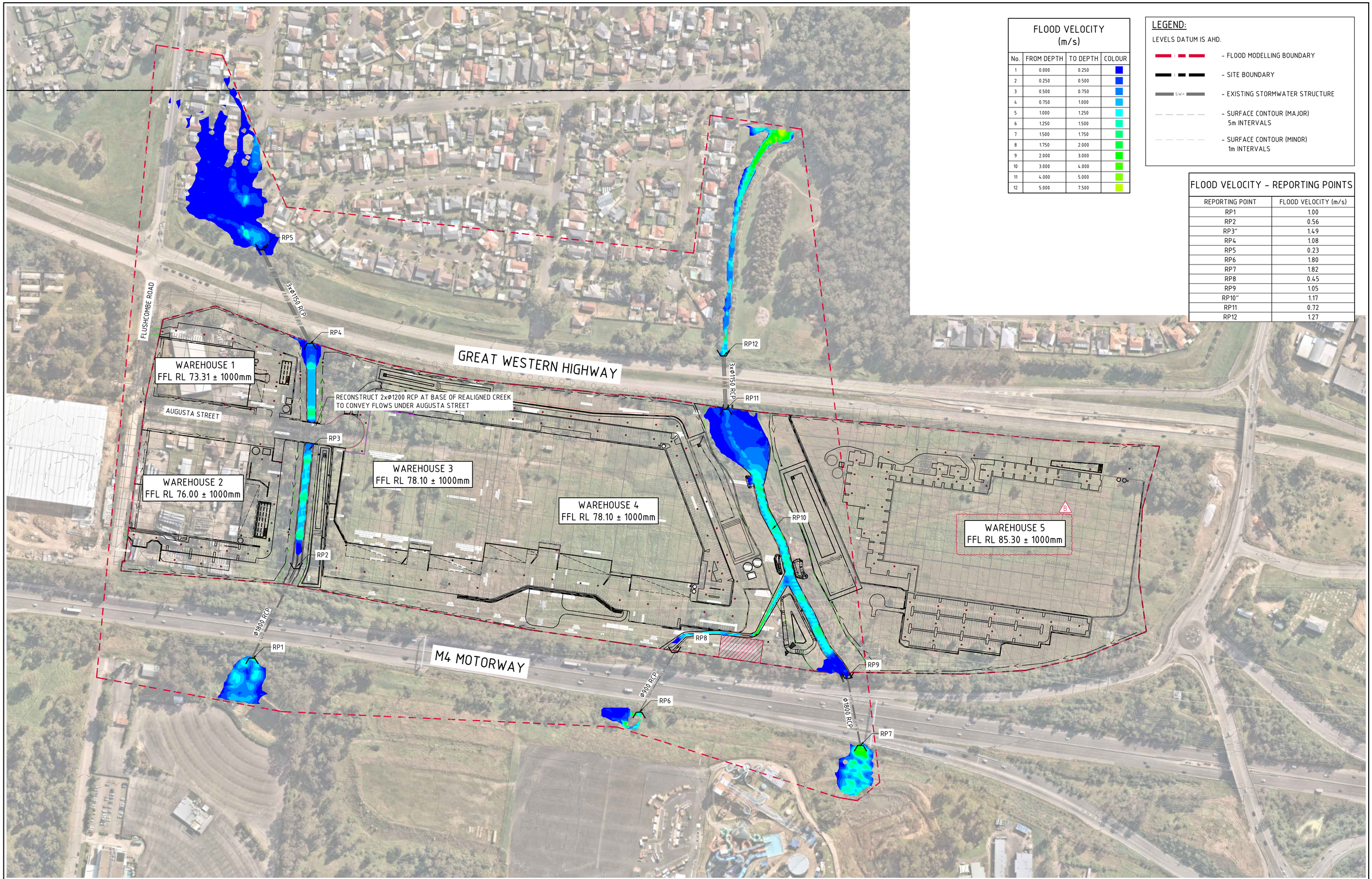
LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

FLOOD VELOCITY - REPORTING POINTS

REPORTING POINT	FLOOD VELOCITY (m/s)
RP1	1.00
RP2	0.56
RP3"	1.49
RP4	1.08
RP5	0.23
RP6	1.80
RP7	1.82
RP8	0.45
RP9	1.05
RP10"	1.17
RP11	0.72
RP12	1.27



5% AEP POST-DEVELOPMENT FLOOD VELOCITY
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
CORRECTED WAREHOUSE 5's NUMBER, AS CLOUDED	10.07.23	B
ISSUED FOR SSDA	30.06.23	A

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F023

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DRAWING TITLE: 5% AEP POST-DEVELOPMENT FLOOD VELOCITY

DRAWING No: C013904.03-F023 ISSUE: B

FLOOD DEPTH (m)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.020	0.200	
2	0.200	0.400	
3	0.400	0.600	
4	0.600	0.800	
5	0.800	1.000	
6	1.000	1.500	
7	1.500	2.000	
8	2.000	2.500	
9	2.500	3.000	

NOTE: FLOOD DEPTH NOT SHOWN FOR LESS THAN 20mm

FLOOD LEVEL - REPORTING POINTS

REPORTING POINT	FLOOD LEVEL (m)
RP1	73.653
RP2	72.034
RP3"	70.091
RP4	69.821
RP5	66.469
RP6	76.476
RP7	73.469
RP8	75.093
RP9	71.747
RP10"	69.728
RP11	69.722
RP12	65.619

LEGEND:

LEVELS DATUM IS AHD.

- 30.00 – FLOOD LEVEL CONTOUR (MAJOR) 1m INTERVALS
- 30.20 – FLOOD LEVEL CONTOUR (MINOR) 0.2m INTERVALS
- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> – EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

FLUSHCOMBE ROAD
AUGUSTA STREET
GREAT WESTERN HIGHWAY
M4 MOTORWAY
RP1
RP2
RP3
RP4
RP5
RP6
RP7
RP8
RP9
RP10
RP11
RP12
3x Ø1150 RCP
Ø1800 RCP
Ø900 RCP

0.5% AEP PRE-DEVELOPMENT FLOOD LEVELS AND DEPTHS
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

ISSUE	DATE	AMENDMENTS
A	30.06.23	ISSUED FOR SSDA

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F030

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DRAWING TITLE: 0.5% AEP PRE-DEVELOPMENT FLOOD LEVELS AND DEPTHS
DRAWING No: C013904.03-F030
ISSUE: A

FLOOD DEPTH (m)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.020	0.200	
2	0.200	0.400	
3	0.400	0.600	
4	0.600	0.800	
5	0.800	1.000	
6	1.000	1.500	
7	1.500	2.000	
8	2.000	2.500	
9	2.500	3.000	
10	3.000	5.000	

NOTE: FLOOD DEPTH NOT SHOWN FOR LESS THAN 20mm

FLOOD LEVEL - REPORTING POINTS

REPORTING POINT	FLOOD LEVEL (m)
RP1	73.567
RP2	72.092
RP3"	69.492
RP4	69.164
RP5	66.408
RP6	76.479
RP7	73.371
RP8	74.376
RP9	71.898
RP10"	69.838
RP11	69.519
RP12	65.610

LEGEND:

LEVELS DATUM IS AHD.

- 30.00 – FLOOD LEVEL CONTOUR (MAJOR) 1m INTERVALS
- 30.20 – FLOOD LEVEL CONTOUR (MINOR) 0.2m INTERVALS
- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> – EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

FLUSHCOMBE ROAD
GREAT WESTERN HIGHWAY
M4 MOTORWAY
AUGUSTA STREET
WAREHOUSE 1 FFL RL 73.31 ± 1000mm
WAREHOUSE 2 FFL RL 76.00 ± 1000mm
WAREHOUSE 3 FFL RL 78.10 ± 1000mm
WAREHOUSE 4 FFL RL 78.10 ± 1000mm
WAREHOUSE 5 FFL RL 85.30 ± 1000mm
RECONSTRUCT 2xØ1200 RCP AT BASE OF REALIGNED CREEK TO CONVEY FLOWS UNDER AUGUSTA STREET
3xØ1150 RCP
Ø1800 RCP
Ø900 RCP
RP1
RP2
RP3
RP4
RP5
RP6
RP7
RP8
RP9
RP10
RP11
RP12

0.5% AEP POST-DEVELOPMENT FLOOD LEVELS AND DEPTHS
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
CORRECTED WAREHOUSE 5's NUMBER, AS CLOUDED	10.07.23	B
ISSUED FOR SSDA	30.06.23	A

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS
PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE '22	MW	B1	AS SHOWN	C013904.03-F031

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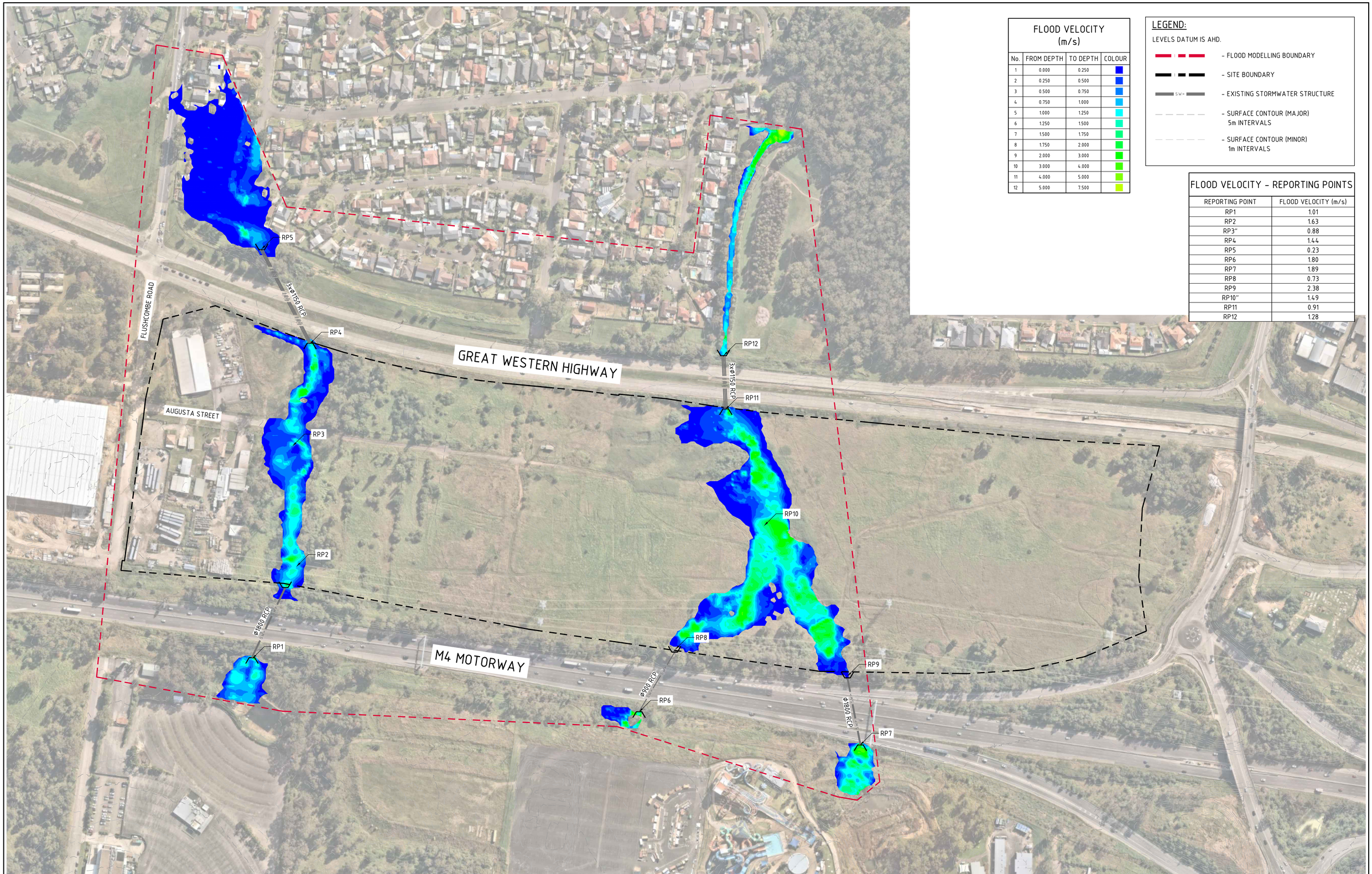
DRAWING TITLE: 0.5% AEP POST-DEVELOPMENT FLOOD LEVELS AND DEPTHS
DRAWING No: C013904.03-F031
ISSUE: B



FLOOD VELOCITY (m/s)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.000	0.250	
2	0.250	0.500	
3	0.500	0.750	
4	0.750	1.000	
5	1.000	1.250	
6	1.250	1.500	
7	1.500	1.750	
8	1.750	2.000	
9	2.000	3.000	
10	3.000	4.000	
11	4.000	5.000	
12	5.000	7.500	

LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

FLOOD VELOCITY - REPORTING POINTS

REPORTING POINT	FLOOD VELOCITY (m/s)
RP1	1.01
RP2	1.63
RP3"	0.88
RP4	1.44
RP5	0.23
RP6	1.80
RP7	1.89
RP8	0.73
RP9	2.38
RP10"	1.49
RP11	0.91
RP12	1.28

0.5% AEP PRE-DEVELOPMENT FLOOD VELOCITY
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA	30.06.23	A

AMENDMENTS DATE ISSUE

ARCHITECT
PACE ARCHITECTS

CLIENT
LOGOS

PROJECT
PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F032

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COSTIN ROE CONSULTING | CIVIL & STRUCTURAL ENGINEERS

DRAWING TITLE
0.5% AEP PRE-DEVELOPMENT FLOOD VELOCITY

DRAWING No C013904.03-F032 ISSUE A

FLOOD VELOCITY (m/s)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.000	0.250	
2	0.250	0.500	
3	0.500	0.750	
4	0.750	1.000	
5	1.000	1.250	
6	1.250	1.500	
7	1.500	1.750	
8	1.750	2.000	
9	2.000	3.000	
10	3.000	4.000	
11	4.000	5.000	
12	5.000	7.500	

LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

FLOOD VELOCITY - REPORTING POINTS

REPORTING POINT	FLOOD VELOCITY (m/s)
RP1	1.01
RP2	0.65
RP3"	1.73
RP4	1.10
RP5	0.23
RP6	1.81
RP7	1.90
RP8	0.47
RP9	1.35
RP10"	1.31
RP11	0.73
RP12	1.28

RP5
3xØ1150 RCP
FLUSHCOMBE ROAD
RP4
GREAT WESTERN HIGHWAY
RP12
3xØ1150 RCP
RP11
WAREHOUSE 1
FFL RL 73.31 ± 1000mm
AUGUSTA STREET
RECONSTRUCT 2xØ1200 RCP AT BASE OF REALIGNED CREEK TO CONVEY FLOWS UNDER AUGUSTA STREET
RP3
WAREHOUSE 3
FFL RL 78.10 ± 1000mm
WAREHOUSE 2
FFL RL 76.00 ± 1000mm
WAREHOUSE 4
FFL RL 78.10 ± 1000mm
RP10
B
WAREHOUSE 5
FFL RL 85.30 ± 1000mm
RP2
Ø1800 RCP
RP1
M4 MOTORWAY
RP8
Ø900 RCP
RP6
RP9
Ø1800 RCP
RP7

0.5% AEP POST-DEVELOPMENT FLOOD VELOCITY
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
CORRECTED WAREHOUSE 5's NUMBER, AS CLOUDED	10.07.23	B
ISSUED FOR SSDA	30.06.23	A

AMENDMENTS DATE ISSUE

ARCHITECT: PACE ARCHITECTS

CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F033

CONSULT AUSTRALIA

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CRC COSTIN ROE CONSULTING | CIVIL & STRUCTURAL ENGINEERS

DRAWING TITLE: 0.5% AEP POST-DEVELOPMENT FLOOD VELOCITY

DRAWING No: C013904.03-F033 ISSUE: B

FLOOD DEPTH (m)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.020	0.200	
2	0.200	0.400	
3	0.400	0.600	
4	0.600	0.800	
5	0.800	1.000	
6	1.000	1.500	
7	1.500	2.000	
8	2.000	2.500	
9	2.500	3.500	

NOTE: FLOOD DEPTH NOT SHOWN FOR LESS THAN 20mm

FLOOD LEVEL - REPORTING POINTS

REPORTING POINT	FLOOD LEVEL (m)
RP1	73.951
RP2	72.067
RP3"	70.132
RP4	70.055
RP5	66.492
RP6	76.504
RP7	73.661
RP8	75.182
RP9	71.775
RP10"	69.952
RP11	69.946
RP12	65.631

LEGEND:

LEVELS DATUM IS AHD.

- 30.00 – FLOOD LEVEL CONTOUR (MAJOR) 1m INTERVALS
- 30.20 – FLOOD LEVEL CONTOUR (MINOR) 0.2m INTERVALS
- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> – EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

FLUSHCOMBE ROAD
AUGUSTA STREET
GREAT WESTERN HIGHWAY
M4 MOTORWAY
3xØ1150 RCP
Ø1800 RCP
Ø900 RCP
RP1
RP2
RP3
RP4
RP5
RP6
RP7
RP8
RP9
RP10
RP11
RP12

0.2% AEP PRE-DEVELOPMENT FLOOD LEVELS AND DEPTHS
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA	30.06.23	A

AMENDMENTS	DATE	ISSUE

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS

PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F040

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DRAWING TITLE: 0.2% AEP PRE-DEVELOPMENT FLOOD LEVELS AND DEPTHS
DRAWING No: C013904.03-F040
ISSUE: B

FLOOD DEPTH (m)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.020	0.200	
2	0.200	0.400	
3	0.400	0.600	
4	0.600	0.800	
5	0.800	1.000	
6	1.000	1.500	
7	1.500	2.000	
8	2.000	2.500	
9	2.500	3.000	
10	3.000	4.000	

NOTE: FLOOD DEPTH NOT SHOWN FOR LESS THAN 20mm

FLOOD LEVEL - REPORTING POINTS

REPORTING POINT	FLOOD LEVEL (m)
RP1	73.770
RP2	72.187
RP3"	69.668
RP4	69.591
RP5	66.453
RP6	76.508
RP7	73.495
RP8	74.420
RP9	71.963
RP10"	69.898
RP11	69.847
RP12	65.628

LEGEND:

LEVELS DATUM IS AHD.

- 30.00 – FLOOD LEVEL CONTOUR (MAJOR) 1m INTERVALS
- 30.20 – FLOOD LEVEL CONTOUR (MINOR) 0.2m INTERVALS
- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- SW> – EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

FLUSHCOMBE ROAD
GREAT WESTERN HIGHWAY
M4 MOTORWAY
AUGUSTA STREET
WAREHOUSE 1 FFL RL 73.31 ± 1000mm
WAREHOUSE 2 FFL RL 76.00 ± 1000mm
WAREHOUSE 3 FFL RL 78.10 ± 1000mm
WAREHOUSE 4 FFL RL 78.10 ± 1000mm
WAREHOUSE 5 FFL RL 85.30 ± 1000mm
RECONSTRUCT 2xØ1200 RCP AT BASE OF REALIGNED CREEK TO CONVEY FLOWS UNDER AUGUSTA STREET
3xØ1150 RCP
Ø1800 RCP
Ø900 RCP
RP1
RP2
RP3
RP4
RP5
RP6
RP7
RP8
RP9
RP10
RP11
RP12

0.2% AEP POST-DEVELOPMENT FLOOD LEVELS AND DEPTHS
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
CORRECTED WAREHOUSE 5's NUMBER, AS CLOUDED	10.07.23	B
ISSUED FOR SSDA	30.06.23	A

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS
PROJECT: PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE '22	MW	B1	AS SHOWN	C013904.03-F041

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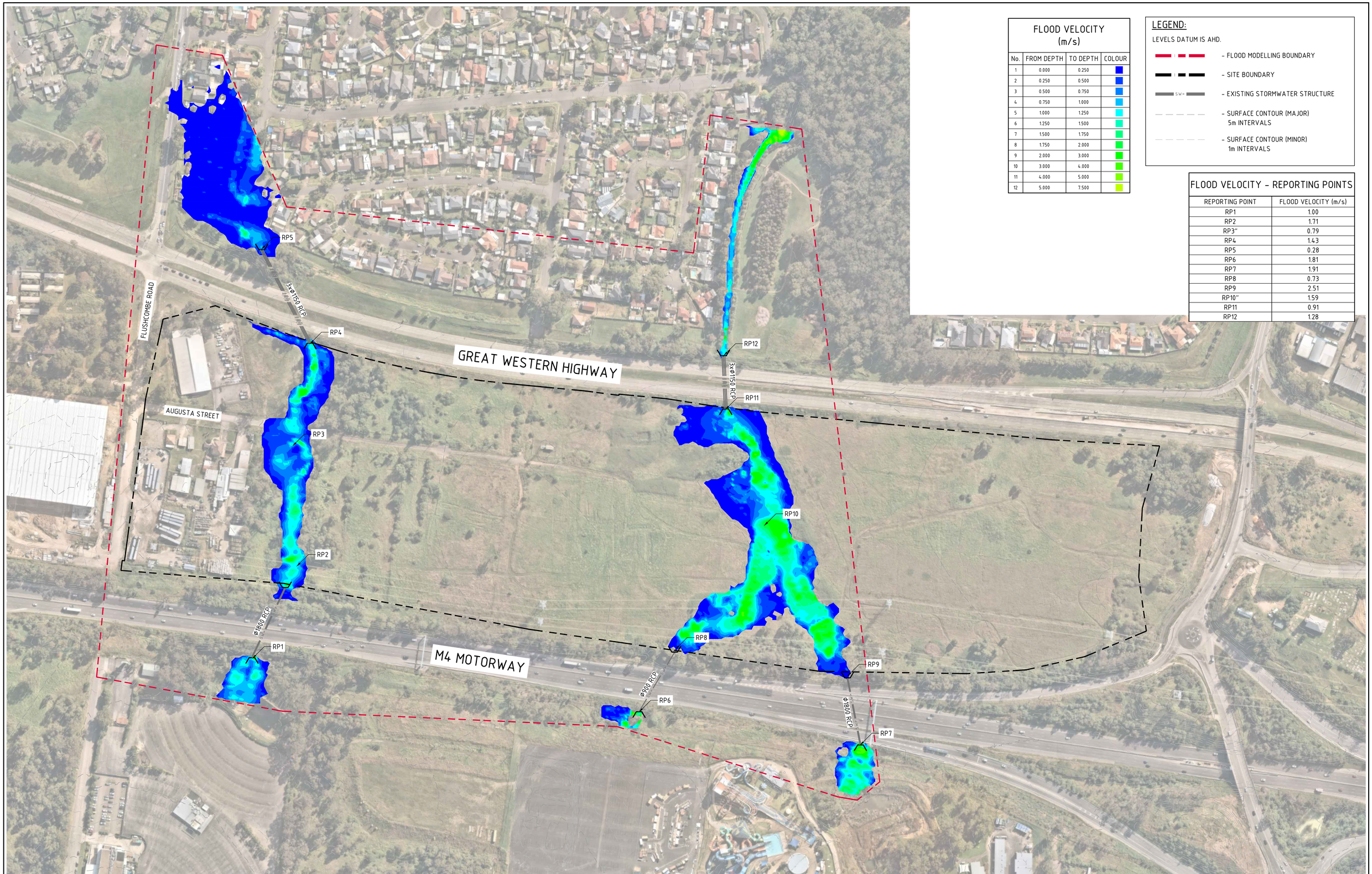
DRAWING TITLE: 0.2% AEP POST-DEVELOPMENT FLOOD LEVELS AND DEPTHS
DRAWING No: C013904.03-F041
ISSUE: B



FLOOD VELOCITY (m/s)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.000	0.250	
2	0.250	0.500	
3	0.500	0.750	
4	0.750	1.000	
5	1.000	1.250	
6	1.250	1.500	
7	1.500	1.750	
8	1.750	2.000	
9	2.000	3.000	
10	3.000	4.000	
11	4.000	5.000	
12	5.000	7.500	

LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

FLOOD VELOCITY - REPORTING POINTS

REPORTING POINT	FLOOD VELOCITY (m/s)
RP1	1.00
RP2	1.71
RP3"	0.79
RP4	1.43
RP5	0.28
RP6	1.81
RP7	1.91
RP8	0.73
RP9	2.51
RP10"	1.59
RP11	0.91
RP12	1.28

0.2% AEP PRE-DEVELOPMENT FLOOD VELOCITY
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA	30.06.23	A

AMENDMENTS	DATE	ISSUE

ARCHITECT
PACE ARCHITECTS

CLIENT
LOGOS

PROJECT
PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F042

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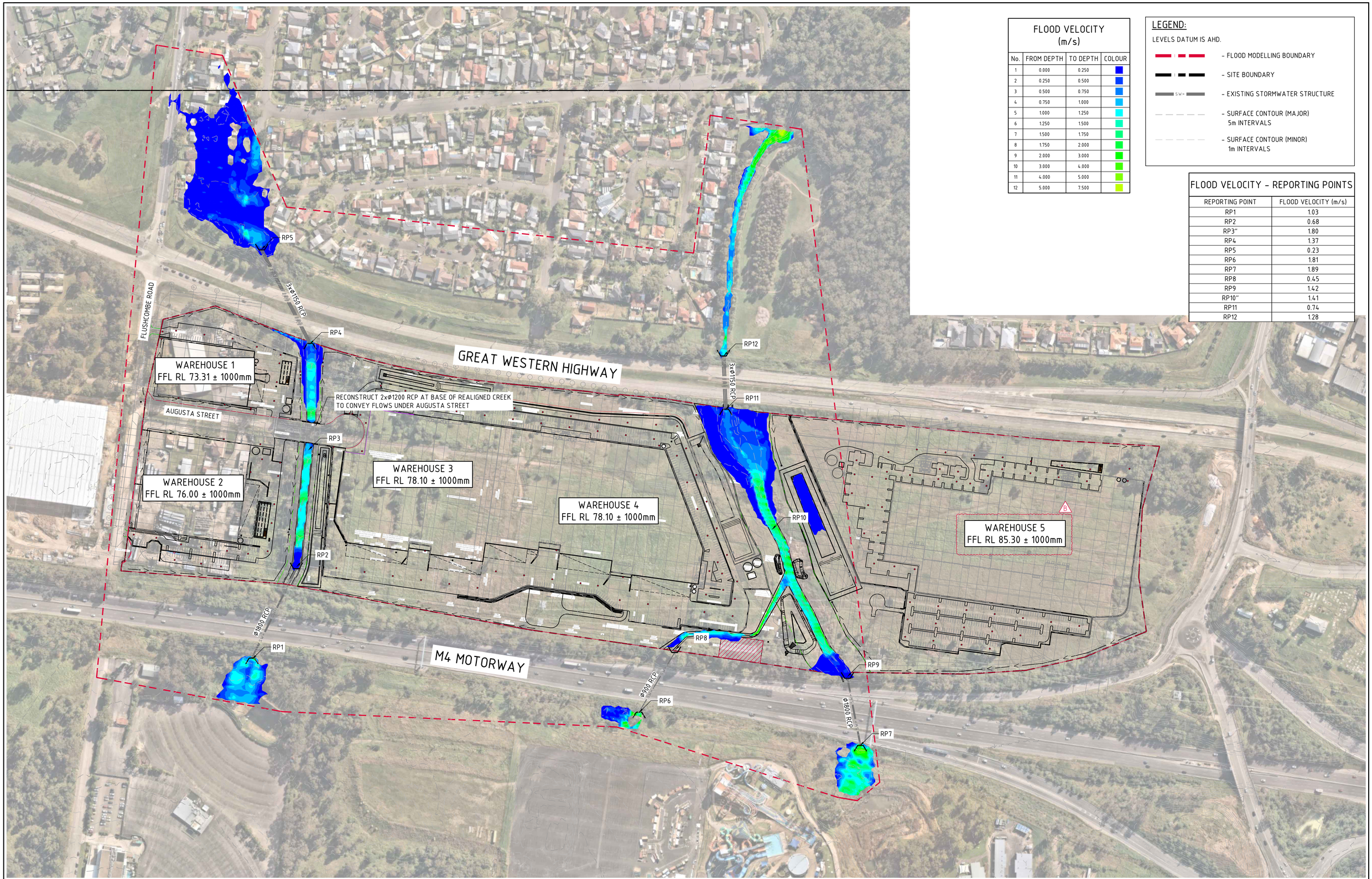
DRAWING TITLE
0.2% AEP PRE-DEVELOPMENT FLOOD VELOCITY

DRAWING No C013904.03-F042
ISSUE A



FLOOD VELOCITY (m/s)

No.	FROM DEPTH	TO DEPTH	COLOUR
1	0.000	0.250	
2	0.250	0.500	
3	0.500	0.750	
4	0.750	1.000	
5	1.000	1.250	
6	1.250	1.500	
7	1.500	1.750	
8	1.750	2.000	
9	2.000	3.000	
10	3.000	4.000	
11	4.000	5.000	
12	5.000	7.500	

LEGEND:

LEVELS DATUM IS AHD.

- FLOOD MODELLING BOUNDARY
- SITE BOUNDARY
- EXISTING STORMWATER STRUCTURE
- SURFACE CONTOUR (MAJOR) 5m INTERVALS
- SURFACE CONTOUR (MINOR) 1m INTERVALS

FLOOD VELOCITY - REPORTING POINTS

REPORTING POINT	FLOOD VELOCITY (m/s)
RP1	1.03
RP2	0.68
RP3"	1.80
RP4	1.37
RP5	0.23
RP6	1.81
RP7	1.89
RP8	0.45
RP9	1.42
RP10"	1.41
RP11	0.74
RP12	1.28

0.2% AEP POST-DEVELOPMENT FLOOD VELOCITY
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE
CORRECTED WAREHOUSE 5's NUMBER, AS CLOUDED	10.07.23	B
ISSUED FOR SSDA	30.06.23	A

ARCHITECT: PACE ARCHITECTS
CLIENT: LOGOS

PROJECT
PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	JUNE' 22	MW	B1	AS SHOWN	C013904.03-F043

CONSULT AUSTRALIA

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DRAWING TITLE
0.2% AEP POST-DEVELOPMENT FLOOD VELOCITY

DRAWING No C013904.03-F043
ISSUE B