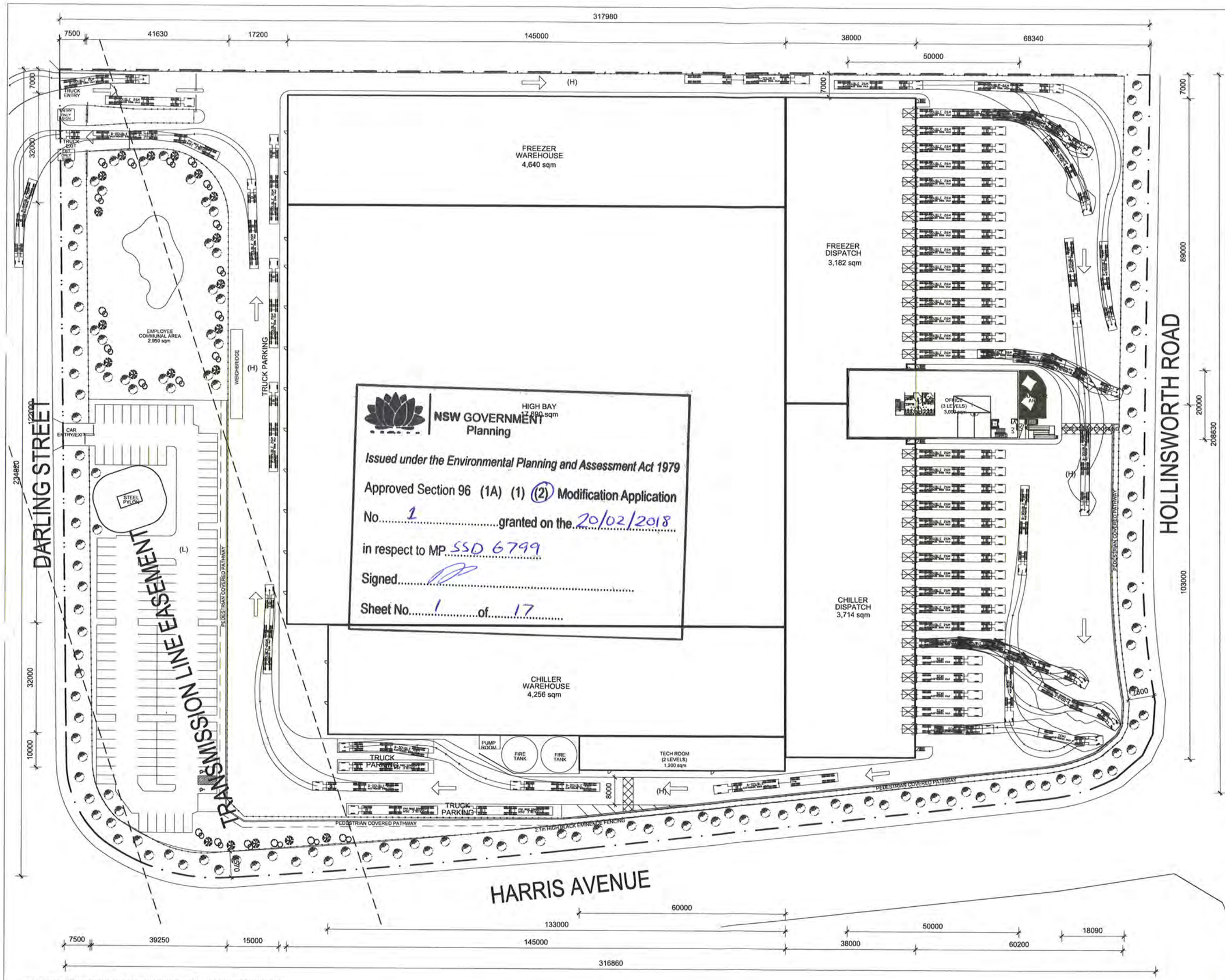


NSW GOVERNMENT
Planning

Issued under the Environmental Planning and Assessment Act 1979

Approved Section 96 (1A) (1) (2) Modification Application

No. 1 granted on the 20/02/2018

in respect to MP SSD 6799

Signed.....

Sheet No. 1 of 17

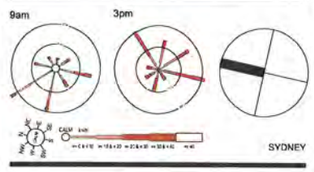
FILE LOCATION: X:\Projects\AU0012 - NewCold Sydney\Architecture\Harris Ave, Marsden Park\AU0012 MDP DA01

REVISIONS

A	PRELIMINARY	31.03.17
B	INDICATIVE RACKING DETAILS	13.04.17
C	CHECK W SURVEY AND TITLE	27.04.17
D	REVISION – COUNCIL COMMENTS	12.07.17
E	REVISION – TRAFFIC CONSULTANT COMMENTS	24.08.17
F	REVISION – COUNCIL COMMENTS	28.09.17

DEVELOPMENT SUMMARY

SITE AREA	70,300 sqm
HIGH BAY	17,690 sqm
CHILLER DISPATCH	3,714 sqm
FREEZER DISPATCH	3,182 sqm
CHILLER WAREHOUSE	4,256 sqm
FREEZER WAREHOUSE	4,640 sqm
NEWCOLD OFFICE (3 LEVELS)	3,000 sqm
NEWCOLD TECH ROOM (2 LEVELS)	1,200 sqm
TOTAL BUILDING AREA	37,682 sqm
EFFICIENCY	53.60 %
COMMUNAL AREA REQUIRED (3% SITE AREA)	2,109 sqm
OFFICE OUTDOOR AREA	104 sqm
COMMUNAL AREA PROVIDED	2,913 sqm
TOTAL COMMUNAL AREA PROVIDED	3,017 sqm
CARPARKING PROVIDED	133 spaces
HEAVY DUTY PAVEMENT (H)	18,604 sqm
LIGHT DUTY PAVEMENT (L)	3,646 sqm
COVERED PATHWAY	981 sqm



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PROJECT

NEWCOLD SYDNEY

HARRIS AVE
MARSDEN PARK, NSW

DRAWING TITLE

PROPOSED SITE PLAN

0 5 10 15 20 25 50m

SCALE: 1 : 1000 @ A3

CREATE DATE : 28.09.2017 PLOT DATE : 28.09.2017

LAST SAVED BY: karen choi

AU0012 MDP DA01 002 F

REVISIONS

A PRELIMINARY 12.04.17

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in respect to MP SSD 6799

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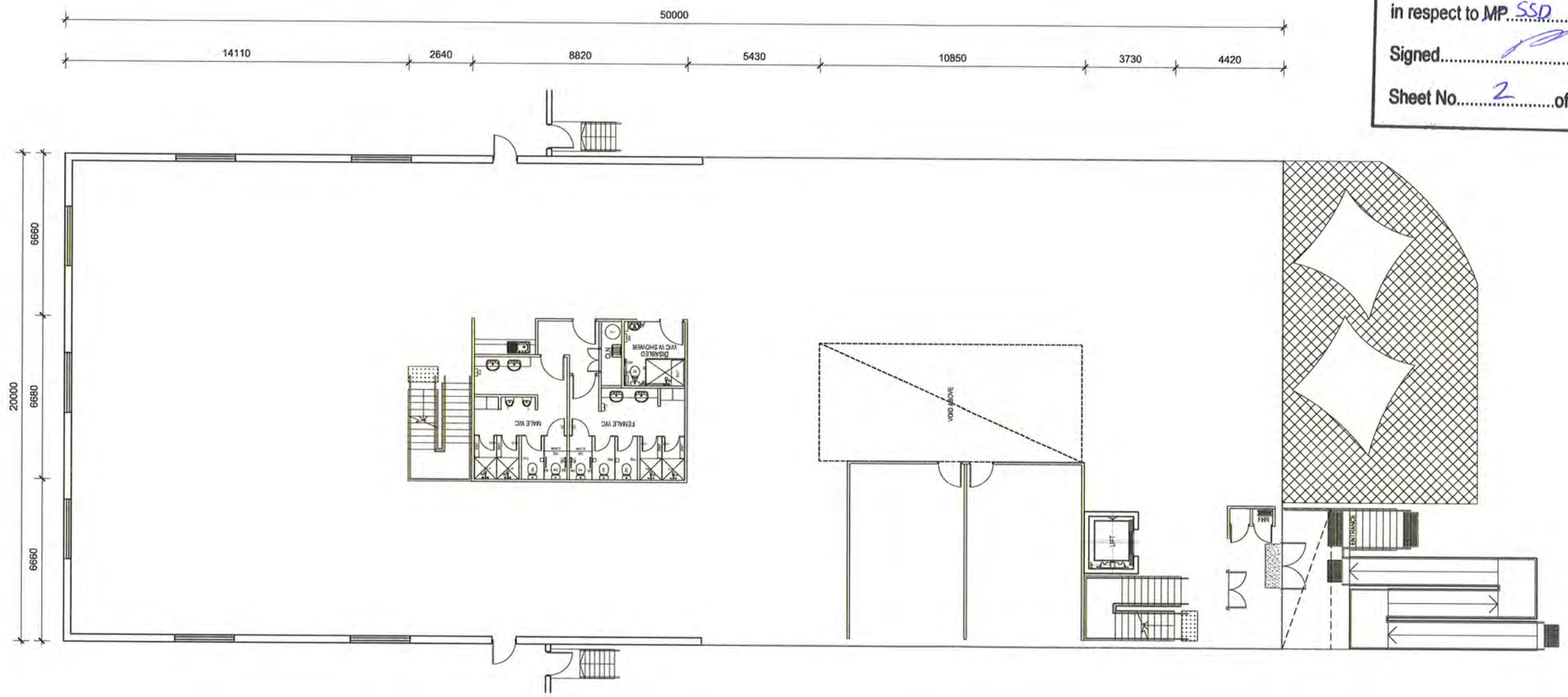
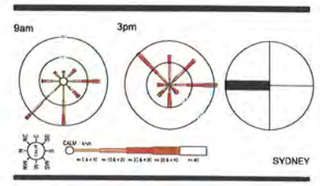
Sheet No. 2 of 17



GF OFFICE LAYOUT
Scale 1:200



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PROJECT

NEWCOLD SYDNEY
HARRIS AVE
MARSDEN PARK, NSW

DRAWING TITLE
PROPOSED GF OFFICE LAYOUT

0 1 2 3 4 5 10m

SCALE: 1 : 200 @ A3

CREATE DATE : 18.08.2017 PLOT DATE : 18.08.2017

LAST SAVED BY: karen choi

AU0012 MDP DA01 100 A

FILE LOCATION: X:\Projects\AU0012 - NewCold Sydney\Architecture\Harris Ave, Marsden Park\AU0012 MDP DA01

REVISIONS

A PRELIMINARY 12.04.17

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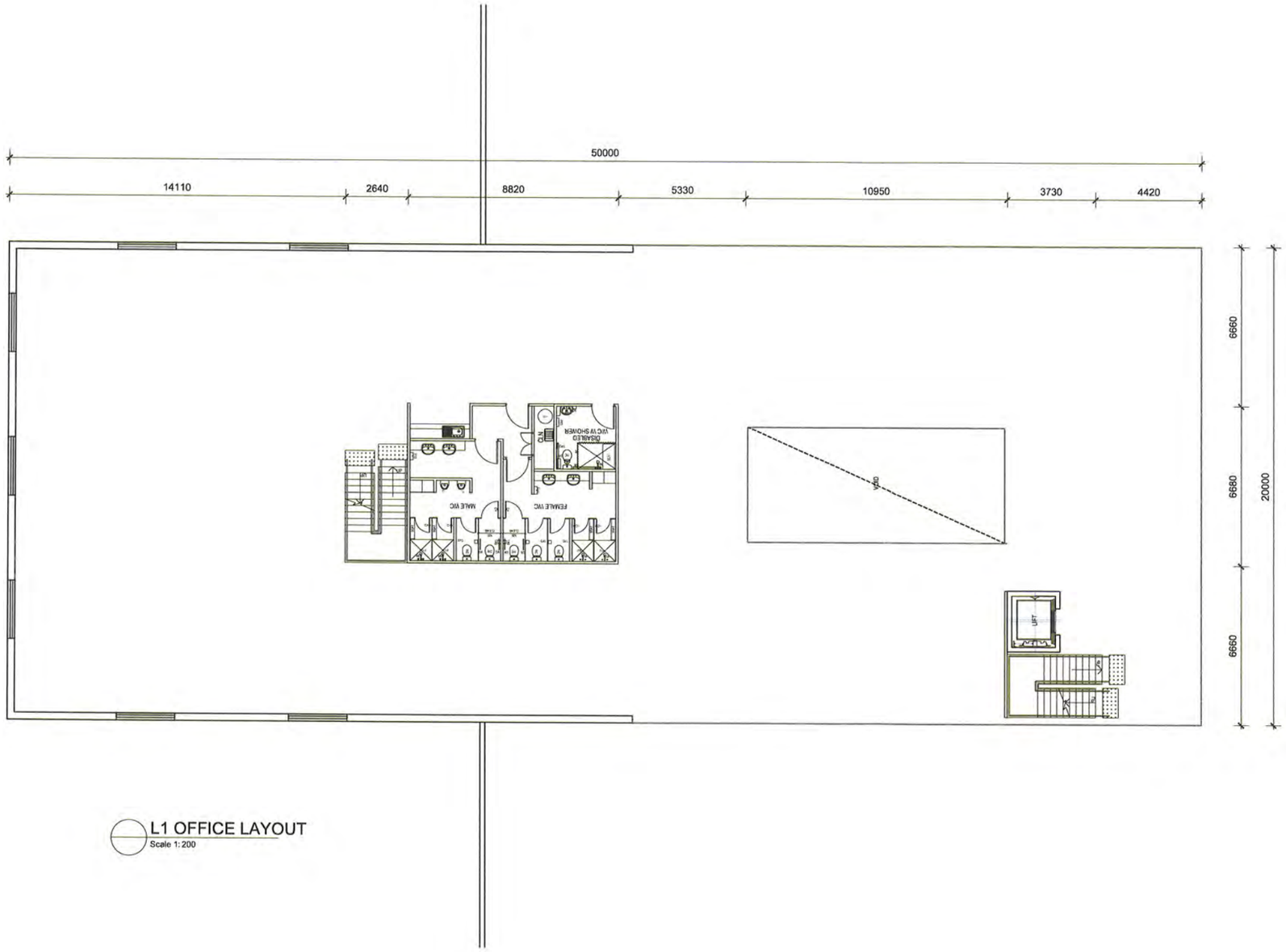
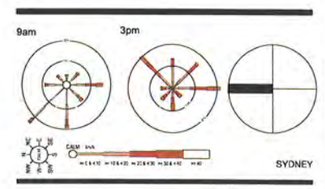


L1 OFFICE LAYOUT
Scale 1: 200



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PROJECT

NEWCOLD SYDNEY
HARRIS AVE
MARSDEN PARK, NSW

DRAWING TITLE
PROPOSED L1 OFFICE LAYOUT

0 1 2 3 4 5 10m
SCALE: 1 : 200 @ A3

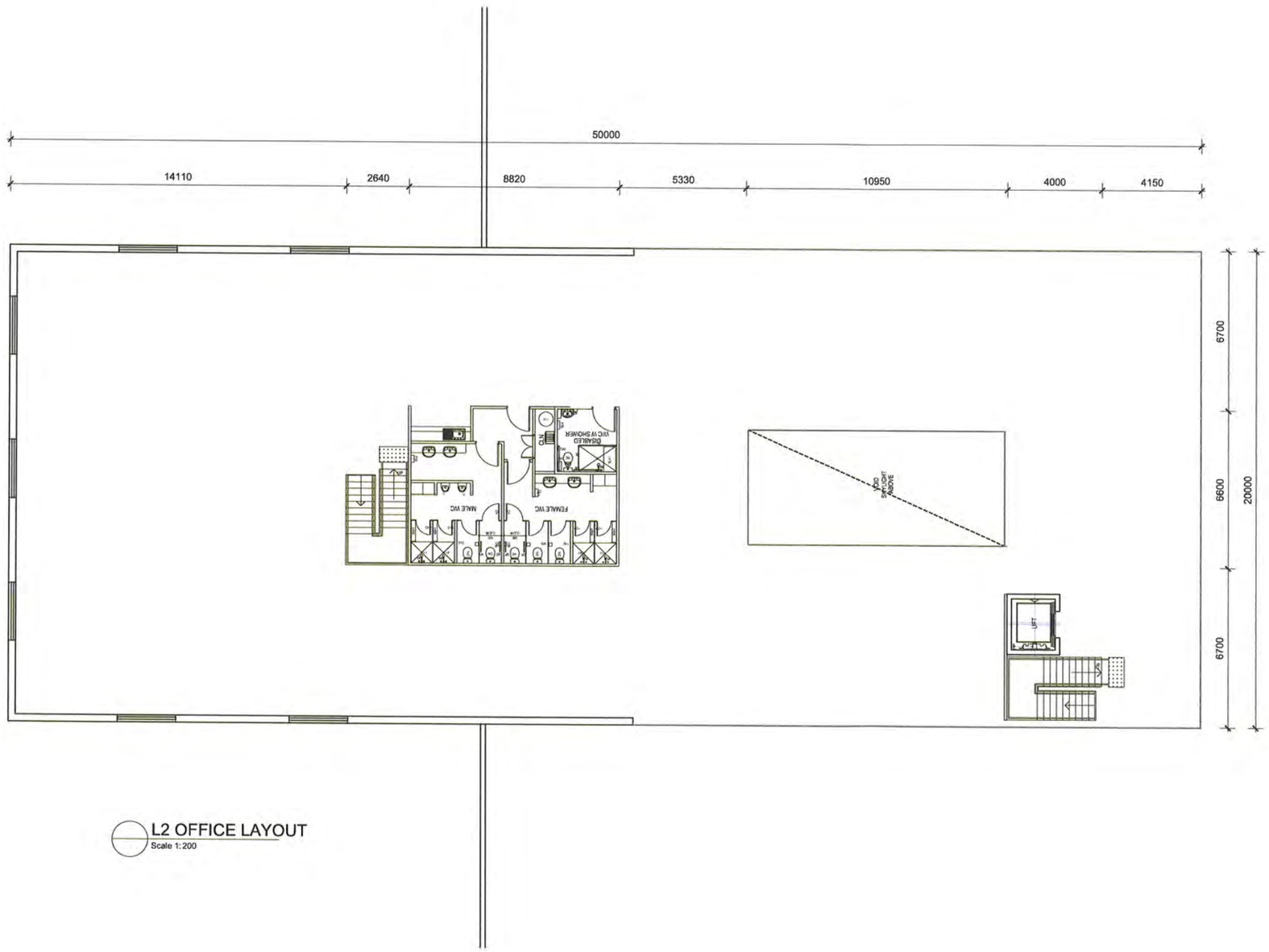
CREATE DATE : 18.08.2017 PLOT DATE : 18.08.2017
LAST SAVED BY: karen choi

AU0012 MDP DA01 110 A

FILE LOCATION: X:\Projects\AU0012 - NewCold Sydney\Architecture\Harris Ave, Marsden Park\AU0012 MDP DA01

REVISIONS

A PRELIMINARY 12.04.17



L2 OFFICE LAYOUT
Scale 1: 200

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No. 1 granted on the 20/02/2018

in respect to MP SSD 6799

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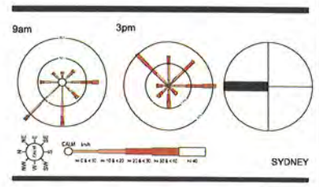

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PROJECT

NEWCOLD SYDNEY
HARRIS AVE
MARSDEN PARK, NSW

DRAWING TITLE
PROPOSED L2 OFFICE LAYOUT

0 1 2 3 4 5 10m

SCALE: 1 : 200 @ A3

CREATE DATE : 18.08.2017 PLOT DATE : 18.08.2017

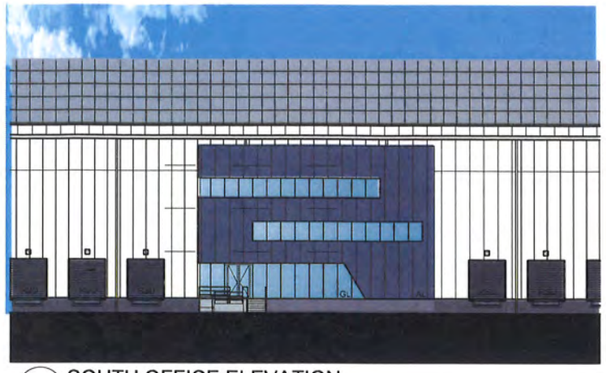
LAST SAVED BY: karen choi

AU0012 MDP DA01 120 A

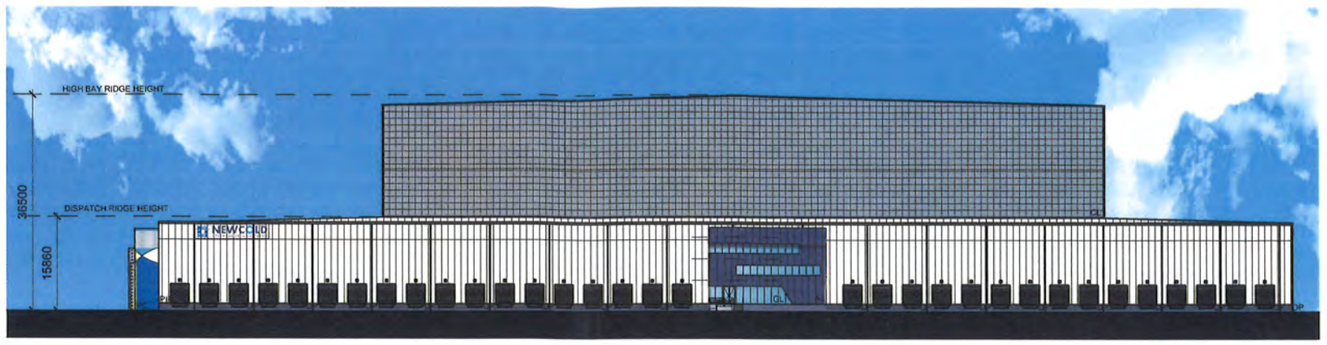
FILE LOCATION: X:\Projects\AU0012 - NewCold Sydney\Architecture\Harris Ave, Marsden Park\AU0012 MDP DA01

REVISIONS

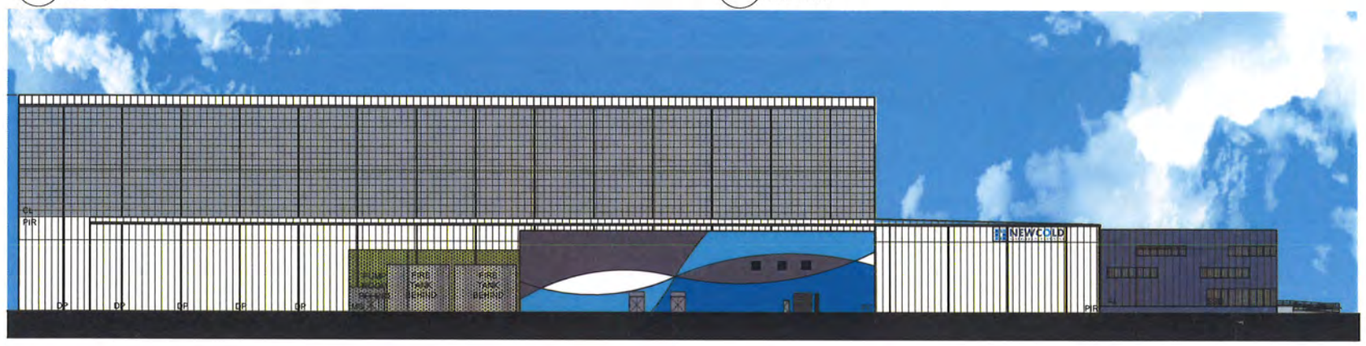
A	PRELIMINARY	31.03.17
B	METAL SCREEN @ FIRE TANK	13.04.17
C	REVISION - COUNCIL COMMENTS	12.07.17
D	REVISION - COUNCIL COMMENTS	16.07.17
E	REVISION - COUNCIL COMMENTS FACADE TREATMENT	21.07.17
F	REVISION - COUNCIL COMMENTS FACADE TREATMENT	07.08.17
G	REVISION - URBIS COMMENTS FACADE TREATMENT	23.08.17
H	REVISION - COUNCIL COMMENTS	27.09.17
J	REVISION - COUNCIL COMMENTS	25.10.17



SOUTH OFFICE ELEVATION
Scale 1:500

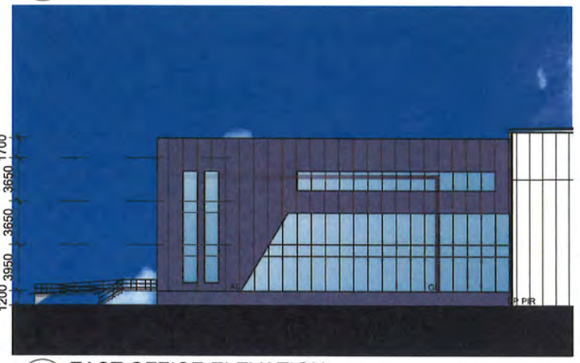


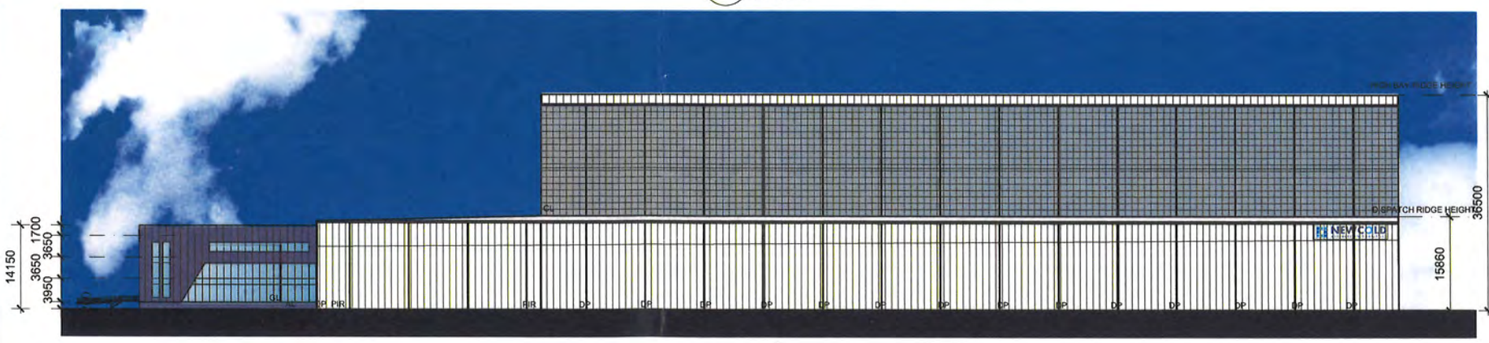
SOUTH ELEVATION
Scale 1:1000



WEST ELEVATION
Scale 1:1000

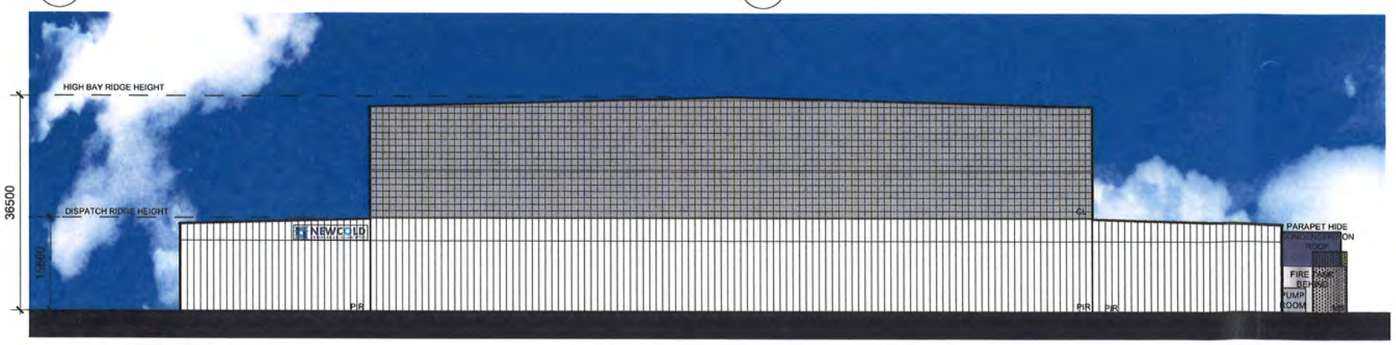
WEST OFFICE ELEVATION
Scale 1:500





EAST OFFICE ELEVATION
Scale 1:500

EAST ELEVATION
Scale 1:1000



NORTH ELEVATION
Scale 1:1000

FILE LOCATION: X:\Projects\AU0012 - NewCold Sydney\Architecture\Harris Ave, Marsden Park\AU0012 MDP DA01

LEGEND:

AL - ALUMINIUM CLADDING
CL - CLADDING
COL - COLUMN
DP - DOWN PIPE
FC - FIBRE CEMENT
GL - GLASS
MC - METAL CLADDING
MS - METAL SCREEN
PC - PRECAST CONCRETE
PIR - PIR INSULATED PANEL
RSD - ROLLER SHUTTER DOOR
RS - ROOF SHEETING
TS - TRANSLUCENT SHEETING
SSD - SUN SHADING

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NSW GOVERNMENT
Planning

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Approved Section 96 (1A) (1) (2) Modification Application

No. 1 granted on the 20/02/2018

in respect to MP SSD 6799

Signed.....

Sheet No. 5 of 17

PROJECT

NEWCOLD SYDNEY
HARRIS AVE
MARSDEN PARK, NSW

DRAWING TITLE
PROPOSED ELEVATIONS

0 5 10 15 20 25 50m
SCALE: 1 : 1000 @ A3

CREATE DATE : 25.10.2017
LAST SAVED BY: karen choi

PLOT DATE : 25.10.2017

AU0012 MDP DA01 200 J

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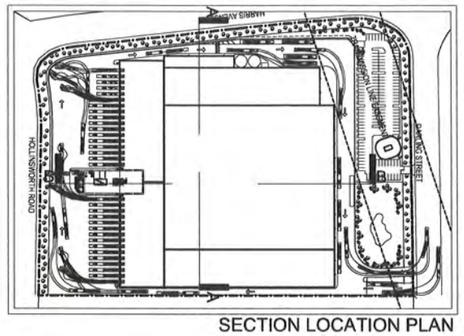
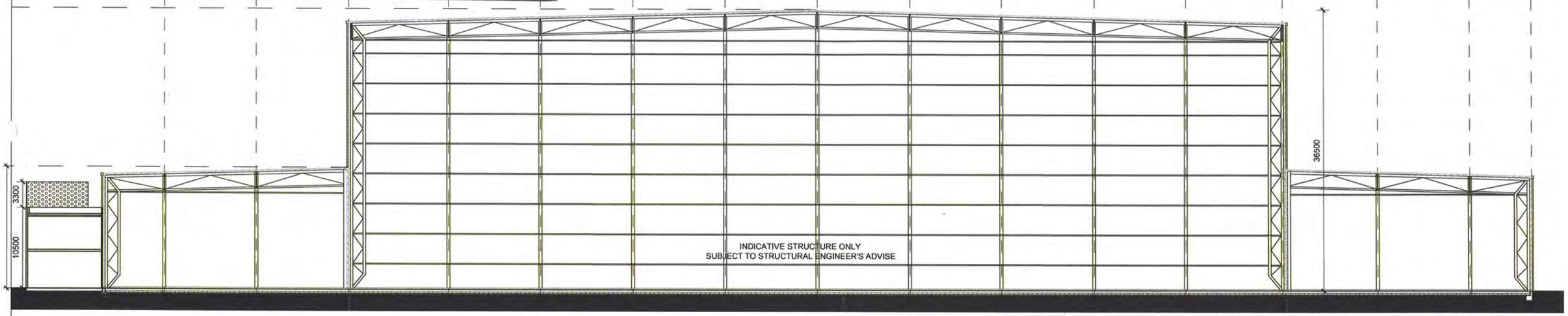
Sheet No. 6 of 17

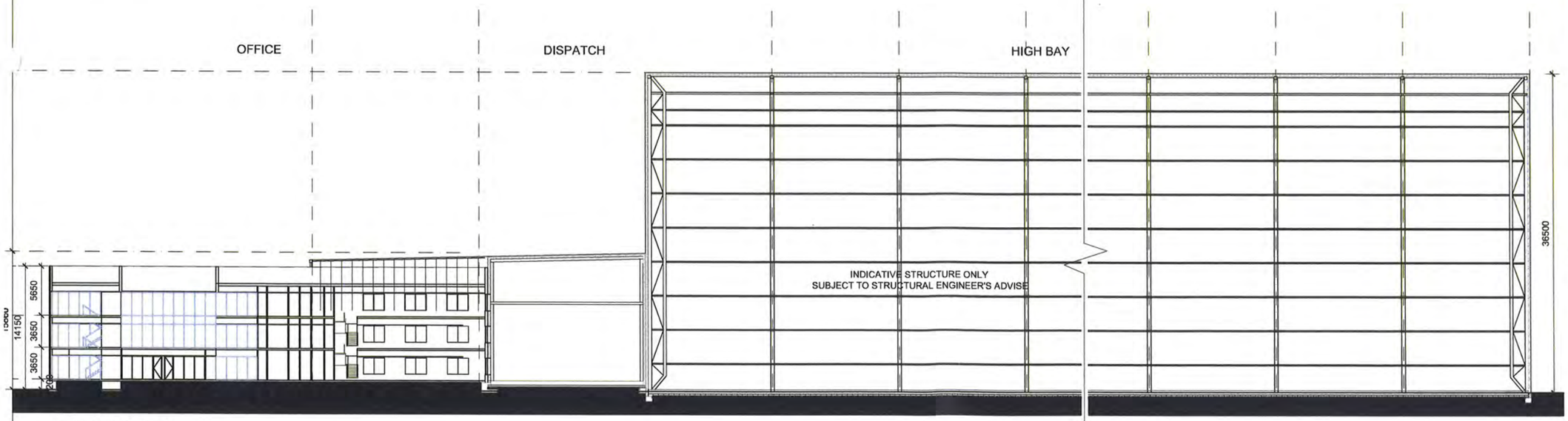


SECTION LOCATION PLAN

REVISIONS		
A	PRELIMINARY	31.03.17
B	METAL SCREEN @ FIRE TANK	13.04.17
C	REVISION - COUNCIL COMMENTS	12.07.17
D	REVISION - COUNCIL COMMENTS	16.07.17
E	REVISION - COUNCIL COMMENTS FACADE TREATMENT	21.07.17
F	REVISION - COUNCIL COMMENTS FACADE TREATMENT	07.08.17
G	REVISION - URBIS COMMENTS FACADE TREATMENT	23.08.17
H	REVISION - COUNCIL COMMENTS	27.09.17
J	REVISION - COUNCIL COMMENTS	25.10.17



SECTION A
Scale 1:500



SECTION B
Scale 1:500

LEGEND:

AL - ALUMINIUM CLADDING
COL - COLUMN
DP - DOWN PIPE
FC - FIBRE CEMENT
GL - GLASS
MC - METAL CLADDING
PC - PRECAST CONCRETE
PIR - PIR INSULATED PANEL
RSD - ROLLER SHUTTER DOOR
RS - ROOF SHEETING
TS - TRANSLUCENT SHEETING

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PROJECT

NEWCOLD SYDNEY

HARRIS AVE
MARSDEN PARK, NSW

DRAWING TITLE

PROPOSED SECTIONS

0 5 10 15 20 25 50m

SCALE: 1 : 1000 @ A3

CREATE DATE : 22.01.2018 PLOT DATE : 22.01.2018

LAST SAVED BY: karen choi

AU0012 MDP DA01 500 J

FILE LOCATION: X:\Projects\AU0012 - NewCold Sydney\Architecture\Harris Ave, Marsden Park\AU0012 MDP DA01

NEWCOLD STORAGE FACILITY
LOT 124 ON DP1194052

PROPOSED CIVIL WORKS
FOR SECTION 96 APPROVAL

NSW GOVERNMENT
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No. 1 granted on the 20/02/2018

in respect to MP SSD 6799

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Sheet No. 7 of 17

DRAWING LIST

LOCALITY PLAN
N.T.S

Issue	Description	Date
B	REVISED ARCHITECTURAL LAYOUT	13-10-17
A	ISSUED FOR APPROVAL	18-04-17

100mm on Original

Bar Scales

Client: NEWCOLD SYDNEY

Scales	AS SHOWN	Drawn	TH
		Designed	TH
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project: LOT 124 ON DP1194052 MARSDEN PARK INDUSTRIAL PRECINCT

Title: COVERSHEET, LOCALITY PLAN AND DRAWING LIST

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
DAC001	17-3078	B

F:\QLD\17-3078 Newcold Cold Storage\Drgs\Civil\Final\DA\DAC001.dwg

SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY FREEBURN SURVEYING, BEING REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. AT & L DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.

SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT AT & L.

EXISTING UNDERGROUND SERVICES NOTES

THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND SERVICE AUTHORITY INFORMATION. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICES AND MAY NOT BE AS CONSTRUCTED OR ACCURATE.

AT & L CAN NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF SERVICES OR THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.

CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.

CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.

CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH, PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.

CONCRETE NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY
   ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS 3600 F'c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS, AND PITS	25	80	20

   - CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
   - PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.
3. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY AT & L.
4. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
5. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
6. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH R.T.A. SPECIFICATION R83.
7. REINFORCEMENT SYMBOLS:
   N DENOTES GRADE 450 N BARS TO AS 1302 GRADE N
   R DENOTES 230 R HOT ROLLED PLAIN BARS TO AS 1302
   SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS 1304

   NUMBER OF BARS IN GROUP — BAR GRADE AND TYPE
   17 N 20 250
   NOMINAL BAR SIZE IN mm — SPACING IN mm

   THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERANCE NUMBER FOR FABRIC TO AS 1304.
8. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:

STORMWATER DRAINAGE NOTES

1. STORMWATER DESIGN CRITERIA
   (A) AVERAGE RECURRENCE INTERVAL:
   1:100 YEARS ROOFED AREAS TO SURCHARGE PIT
   1:20 YEARS EXTERNAL PAVEMENTS
   (B) RAINFALL INTENSITIES:
   TIME OF CONCENTRATION 5 MINUTES
   1:100 YEARS= 218 mm/hr
   1:20 YEARS= 167 mm/hr
   (C) RUNOFF COEFFICIENTS:
   ROOF AREAS C_{100} =1.0
   EXTERNAL PAVEMENTS: C_{20} =1.0
2. PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '3' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS U.N.O.
3. PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS.
4. EQUIVALENT STRENGTH VCP OR FRC PIPES MAY BE USED.
5. ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
6. PIPES TO BE INSTALLED TO TYPE HS3 (ROAD) HS2 (LOTS) SUPPORT IN ACCORDANCE WITH AS 3725 (1989) IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
7. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (1998) AND AS/NZS 3500 3.2 (1998).
8. PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY AT & L.
9. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
10. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
11. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
12. GRATES AND COVERS SHALL CONFORM TO AS 3996.
13. ALL INTERNAL PIT DIMENSIONS TO CONFORM TO AS3500.3 TABLE 8.2.
14. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
15. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED DURING THIS PROCESS. ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.

BULK EARTHWORKS NOTES

1. ORIGIN OF LEVELS: REFER SURVEY NOTES.
2. STRIP ALL TOPSOIL/ORGANIC MATERIAL FROM CONSTRUCTION AREA AND REMOVE FROM SITE OR STOCK PILE AS DIRECTED BY SUPERINTENDENT.
3. EXCAVATED MATERIAL TO BE USED AS STRUCTURAL FILL PROVIDED THE PLACEMENT MOISTURE CONTENT OF THE MATERIAL IS +/- 2% OF THE OPTIMUM MOISTURE CONTENT.
4. COMPACT FILL AREAS AND SUBGRADE TO NOT LESS THAN

LOCATION	STANDARD DRY DENSITY (AS 1289 E 5.1.1)
UNDER BUILDING SLABS ON GROUND	98%
UNDER ROADS AND CARPARKS	98%
LANDSCAPED AREAS UNLESS NOTED OTHERWISE	98%

5. FOR NON COHESIVE MATERIAL, COMPACT TO 75% DENSITY INDEX.
6. BEFORE PLACING FILL, PROOF ROLL EXPOSED SUBGRADE WITH AN 8 TONNE (MIN) DEADWEIGHT SMOOTH DRUM VIBRATORY ROLLER TO DETECT THEN REMOVE SOFT SPOTS (AREAS WITH MORE THAN 2mm MOVEMENT UNDER ROLLER).
7. FREQUENCY OF COMPACTION TESTING SHALL BE NOT LESS THAN :-
   (A) 1 TEST PER 200m² OF FILL PLACED PER 300 LAYER OF FILL
   (B) 3 TESTS PER VISIT
   (C) 1 TEST PER 1000m² OF EXPOSED SUBGRADE
   TESTING SHALL BE "LEVEL 1" TESTING IN ACCORDANCE WITH AS 3798 (1996).
8. FILLING TO BE PLACED AND COMPACTED IN MAXIMUM 150mm LAYERS.
9. NO FILLING SHALL TAKE PLACE TO EXPOSE SUBGRADE UNTIL THE AREA HAS BEEN PROOF ROLLED IN THE PRESENCE OF AT & L AND APPROVAL GIVEN IN WRITING THAT FILLING CAN PROCEED.

SITEWORKS NOTES

1. ORIGIN OF LEVELS:- REFER SURVEY NOTES
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO AT & L.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
6. PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
7. ASPHALTIC CONCRETE SHALL CONFORM TO RMS SPECIFICATION R116.
8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS FORM 3051 (UNBOUND), RMS FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1.
   FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m³ OF BASECOURSE MATERIAL PLACED.
9. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S. 1289 5.2.1.
   FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m³ OF SUB-BASE COURSE MATERIAL PLACED.
10. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH RMS FORM 3051 AND 3051.1 WILL BE CONSIDERED, SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF AT & L.
11. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
12. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.

KERBING NOTES

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa U.N.O.
2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
3. EXPANSION JOINTS (E.J.) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX. 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
5. BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
6. IN THE REPLACEMENT OF KERB AND GUTTER :-
   EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm U.N.O FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER NEW BASECOURSE AND SURFACE TO BE LAID 600mm WIDE U.N.O.

   EXISTING ALLOTMENT DRAINAGE PIPES ARE TO BE BUILT INTO THE NEW KERB AND GUTTER WITH 100mm DIA HOLE.

   EXISTING KERB AND GUTTER IS TO BE COMPLETELY REMOVED WHERE NEW KERB AND GUTTER IS SHOWN.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
   a. LOCAL AUTHORITY REQUIREMENTS
   b. EPA REQUIREMENTS
   c. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

LAND DISTURBANCE

6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:
   (A) INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
   (B) CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL.
   (C) INSTALL SEDIMENT BASIN AS SHOWN ON PLAN.
   (D) INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.
   (E) UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

EROSION CONTROL

7. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
8. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

SEDIMENT CONTROL

9. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
10. ANY SAND USED IN THE CONCRETE CURING PROCESS IS SPREAD OVER THE SURFACE/ WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
11. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
12. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

OTHER MATTERS

13. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
14. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
   (A) PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE.
   (B) ENSURING THAT NOTHING IS NAILED TO THEM.
   (C) PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS.
      (i) ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER.
      (ii) A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH.
      (iii) CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAS BEEN COMPILED VIA WAE SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. AT & L DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.

SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT AT & L.

PRIOR TO THE COMMENCEMENT OF THE WORKS, THE CONTRACTOR IS TO CONFIRM THE ALIGNMENT AND LEVELS OF ALL EXISTING SERVICES AT ALL LOCATIONS WHERE THE PROPOSED SERVICES ARE TO CROSS, CONNECT TO, OR ARE LOCATED IN CLOSE PROXIMITY TO THE EXISTING SERVICES.

NSW GOVERNMENT
Planning

Issued under the Environmental Planning and Assessment Act 1979

Approved Section 96 (1A) (1) (2) Modification Application

No. 1 granted on the 20/02/2018

in respect to MP SSD 6799

Signed.....

Sheet No. 8 of 17

Issue	Description	Date
B	REVISED ARCHITECTURAL LAYOUT	13-10-17
A	ISSUED FOR APPROVAL	18-04-17

Bar Scales

Client: NEWCOLD SYDNEY

Scales	AS SHOWN	Drawn	TH
		Designed	TH
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project: LOT 124 ON DP1194052 MARSDEN PARK INDUSTRIAL PRECINCT

Title: GENERAL NOTES

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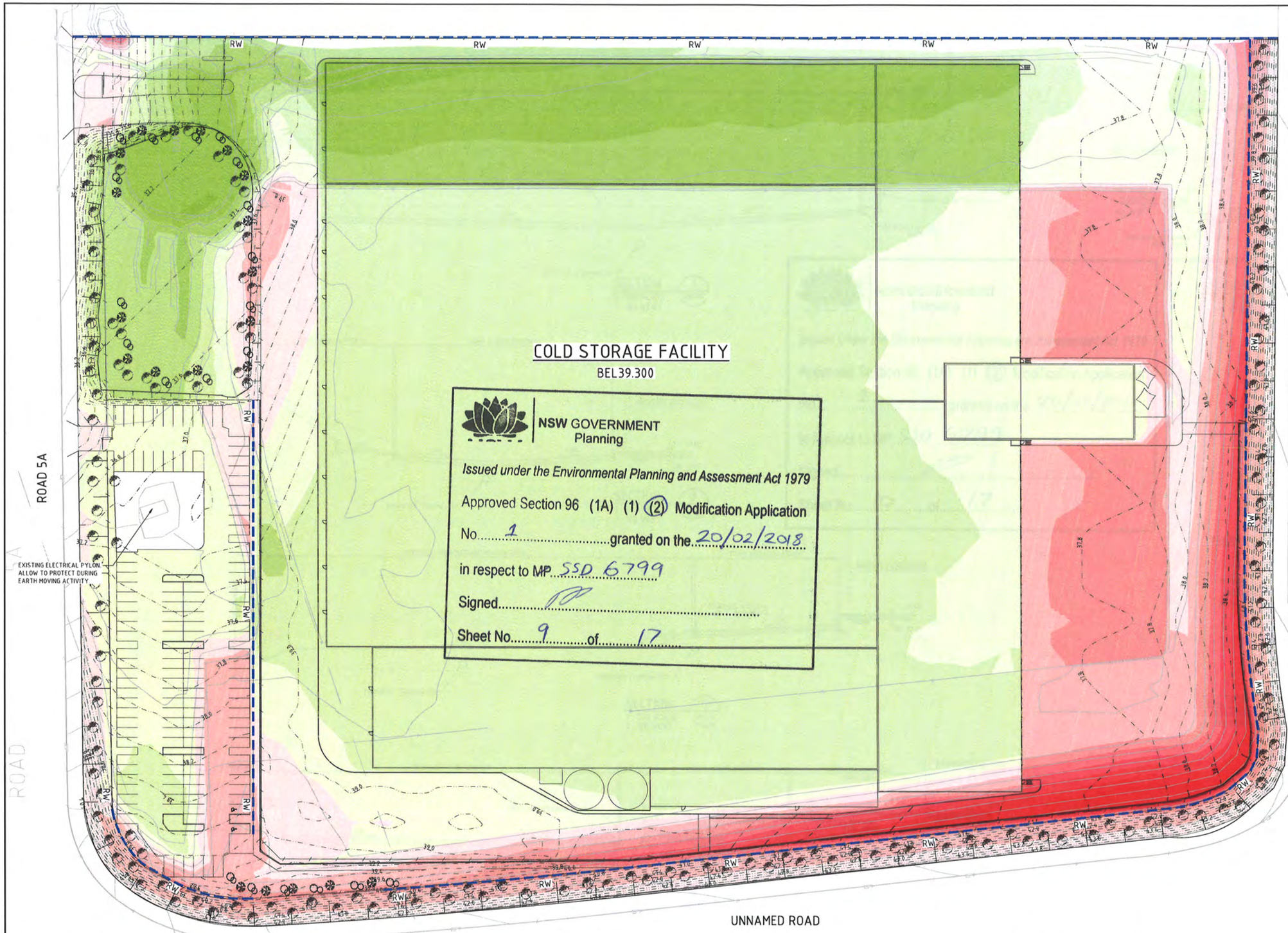
Status: FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION — A1

Drawing No.	Project No.	Issue
DAC002	17-3078	B

100mm on Original

F:\QLD\17-3078 Newcold Cold Storage\Drgs\Civil\Final\DA\DAC002.dwg



EARTHWORKS CUT/FILL DEPTH RANGE LEGEND

LOWER VALUE		UPPER VALUE		COLOUR
-4.5	to	-3.5	m	
-3.5	to	-3	m	
-3	to	-2.5	m	
-2.5	to	-2	m	
-2	to	-1.5	m	
-1.5	to	-1	m	
-1	to	-0.5	m	
-.5	to	0.0	m	
0.0	to	.5	m	
.5	to	1.0	m	
1.0	to	1.5	m	
1.5	to	2	m	
2	to	2.5	m	
2.5	to	3	m	
3	to	3.5	m	
3.5	to	6.5	m	

EARTHWORKS LEGEND

- RW — PROPOSED RETAINING WALL
- PROPOSED BATTER
- 37.6 — PROPOSED BULK EARTHWORKS CONTOUR
- 38.0 — EXISTING SURFACE CONTOUR

BULK EARTHWORKS VOLUMES

TOTAL CUT:-	18,505m³
TOTAL FILL:-	41,035m³
IMPORT OF FILL REQUIRED:-	22,530m³

NOTES

1. EARTHWORKS VOLUMES DENOTED ARE APPROXIMATE ONLY AND HAVE BEEN CALCULATED BETWEEN THE PROPOSED BULK EARTHWORKS SURFACE LEVEL AND THE EXISTING SURFACE LEVEL. THE VOLUMES DO NOT TAKE INTO ACCOUNT THE FOLLOWING :-
   - STRIPPING AND STOCKPILING OF EXISTING TOP SOIL
   - BULKING FACTORS AND/OR SHRINKAGE FACTORS
   - REMOVAL AND/OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
   - PROPOSED LANDSCAPING
   - STORMWATER AND UTILITIES TRENCHING
   - SEDIMENT BASINS
   - BACKFILLING BEHIND RETAINING WALLS
2. REFER TO DAC202 PAVEMENT PLAN FOR DEPTHS OF PAVEMENTS

Issue	Description	Date
B	REVISED ARCHITECTURAL LAYOUT	13-10-17
A	ISSUED FOR APPROVAL	18-04-17

100mm on Original

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

Client: NEWCOLD SYDNEY

Scales	1 : 500 @ A1	Drawn	TH
		Designed	TH
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project: LOT 124 ON DP1194052 MARSDEN PARK INDUSTRIAL PRECINCT

Title: BULK EARTHWORKS LAYOUT PLAN

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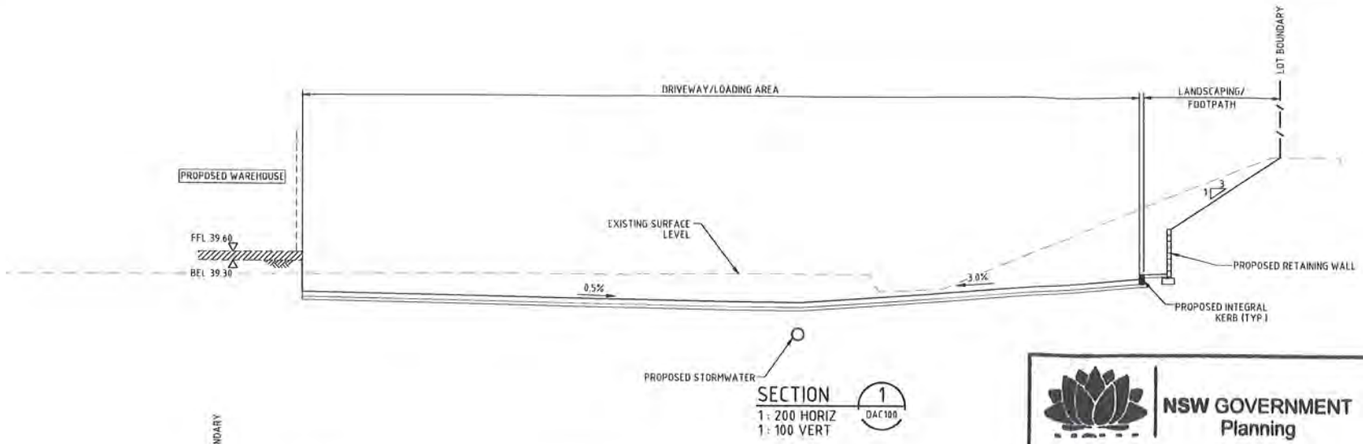
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

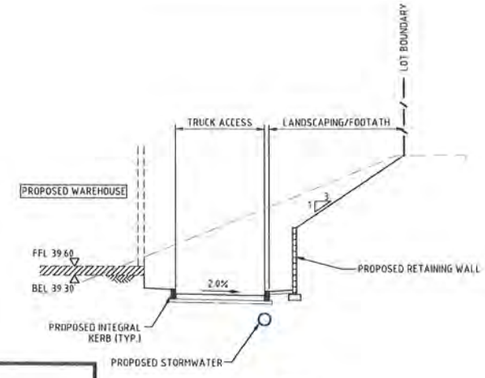
A1

Drawing No.	Project No.	Issue
DAC100	17-3078	B

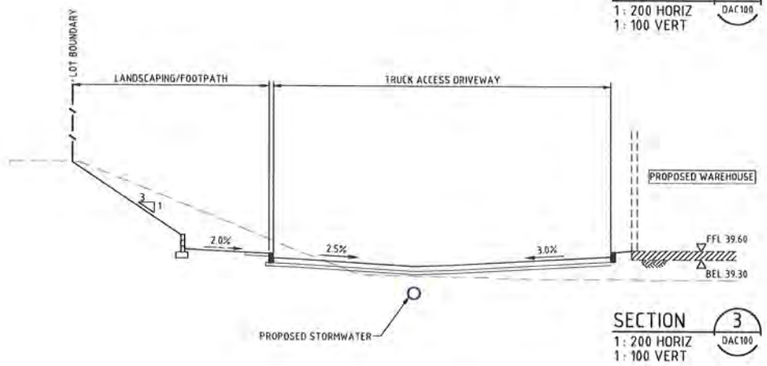
F:\QLD\17-3078 Newcold Cold Storage\Drgs\Civil\Final\DA\DAC100.dwg



SECTION 1 (DAC100)
1 : 200 HORIZ
1 : 100 VERT



SECTION 2 (DAC100)
1 : 200 HORIZ
1 : 100 VERT



SECTION 3 (DAC100)
1 : 200 HORIZ
1 : 100 VERT

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in respect to MP SSD 6799

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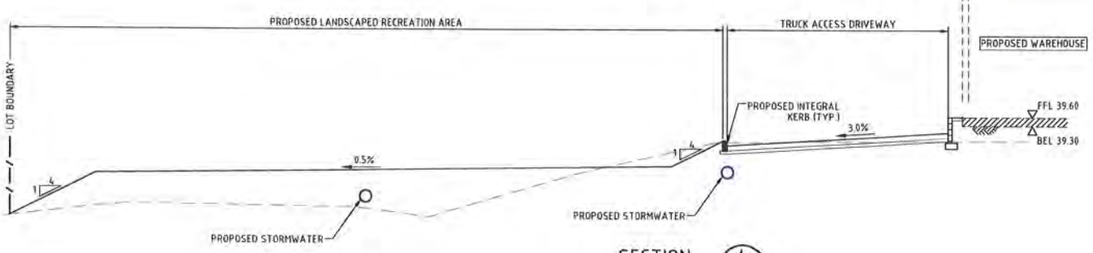
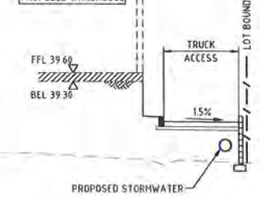
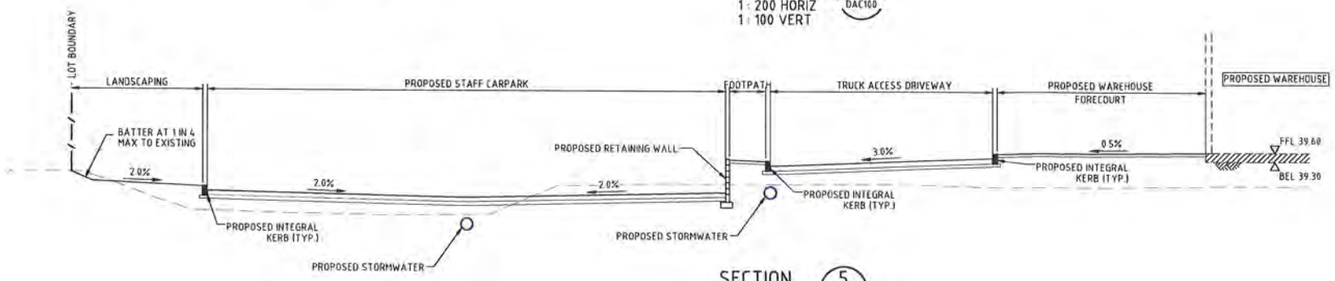
Sheet No. 10 of 17



SECTION 4 (DAC100)
1 : 200 HORIZ
1 : 100 VERT



SECTION 6 (DAC100)
1 : 200 HORIZ
1 : 100 VERT



SECTION 5 (DAC100)
1 : 200 HORIZ
1 : 100 VERT

*NOTE:
ALL RETAINING STRUCTURES DESIGNED AND CERTIFIED BY OTHERS.

Issue	Description	Date
B	REVISED ARCHITECTURAL LAYOUT	13-10-17
A	ISSUED FOR APPROVAL	18-04-17

100mm on Original

Bar Scales

0 2 4 6 8 10m
1 : 100 @ A1 1 : 200 @ A3

0 5 10 15 20m
1 : 200 @ A1 1 : 400 @ A3

Client: NEWCOLD SYDNEY

Scales	AS SHOWN	Drawn	TH
		Designed	TH
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project: LOT 124 ON DP1194052 MARSDEN PARK INDUSTRIAL PRECINCT

Title: EARTHWORKS TYPICAL SECTIONS

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Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
DAC101	17-3078	B

F:\QLD\17-3078 Newcold Cold Storage\Drgs\Civil\Final\DA\DAC101.dwg

LAWFUL POINT OF DISCHARGE

CROSSOVER AS PER BCC PLAN NO: A(BS)103S

REFER INSET 'A'

GRATED TRENCH DRAIN

CROSSOVER AS PER BCC PLAN NO: A(BS)103S

GRATED TRENCH DRAIN

ROAD 5A

TRANSMISSION TOWER TO BE PROTECTED DURING CONSTRUCTION

COLD STORAGE FACILITY
FFL39.600 ±500mm

JUNCTION PIT TO SUIT

HIGHFLOW DIVERSION PIPE

1500 x 1500 DIVERSION PIT WITH INTERNAL OIL BAFFLE

PROPOSED JF2250 'JELLYFISH' BY STORMWATER 360

JUNCTION PIT TO SUIT

NOTE:
STORMWATER PIPES SHOWN INDICATIVELY SIZES AND LOCATION TO BE CONFIRMED

PROPOSED SEALED PITS

PROPOSED 3 x JF3250 'JELLYFISH' BY STORMWATER 360. REFER TO SW360 DETAILS AND SPECIFICATIONS

INSET A - SW360 TREATMENT SYSTEM LAYOUT
SCALE 1 : 100

OVER FLOW PIPE FROM RWT INTO STORMWATER NETWORK

2 x ROOFWATER COLLECTION TANKS FOR REUSE. TOTAL STORAGE VOLUME = 1,500kL REFER TO HYDRAULIC DRAWINGS FOR DETAILS

ZEBRA CROSSING WITH RAMPED CROSSING EITHER END

UNNAMED ROAD

HOLLINSWORTH ROAD

H = 0.5m
H = 0.5m
H = 1.20m
H = 1.97m
H = 3.3m
H = 2.0m
H = 0.5m
H = 0.3m

NSW GOVERNMENT Planning

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Approved Section 96 (1A) (1) (2) Modification Application

No. 1 granted on the 20/02/2018

in respect to MP SSD 6799

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Sheet No. 11 of 17

LEGEND

- IK — INTEGRAL KERB (IK)
- GRATED INLET PIT
- STW PIPE - PRELIMINARY
- PROPOSED FINISHED LEVEL
- BATTER
- GRATED TRENCH DRAIN
- RW — RETAINING WALL
- PROPOSED BOUNDARY
- EXISTING BOUNDARY
- H = 2.4m — PROPOSED HEIGHT OF RETAINING WALL
- DP — PROPOSED ROOFWATER DRAINAGE AND DOWNPIPE INDICATIVE ONLY

NOTE:
ALL GRATED PITS TO BE FITTED WITH ENVIROPODS BY STORMWATER360

NOTE:
ROOF WATER TO BE COLLECTED VIA SYPHONIC DRAINAGE SYSTEM. DETAILS AND PIPE SIZES TO BE PROVIDED BY MANUFACTURE

Issue	Description	Date
B	REVISED ARCHITECTURAL LAYOUT	13-10-17
A	ISSUED FOR APPROVAL	18-04-17

100mm on Original

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

Client: NEWCOLD SYDNEY

Scales 1 : 500 @ A1

Grid MGA

Height Datum AHD

Drawn	TH
Designed	TH
Checked	AT
Approved	

Project: LOT 124 ON DP1194052 MARSDEN PARK INDUSTRIAL PRECINCT

Title: SITEWORKS AND DRAINAGE LAYOUT PLAN

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Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
DAC200	17-3078	B

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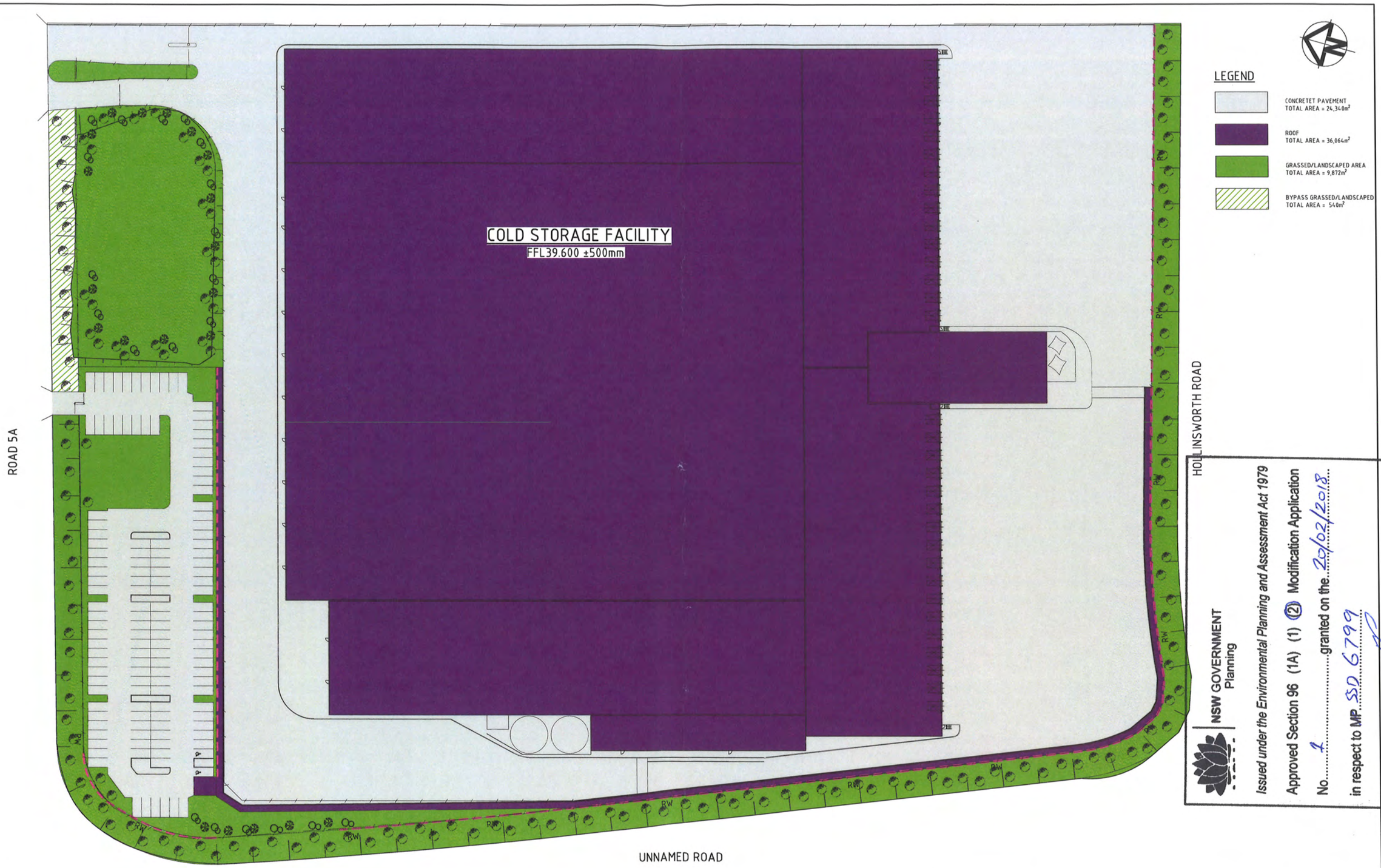

NSW GOVERNMENT Planning

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Approved Section 96 (1A) (2) Modification Application

No. 4 granted on the 20/02/2018

in respect to MP SD 6799

Signed.....

Sheet No. 12 of 17

Issue	Description	Date
B	REVISED ARCHITECTURAL LAYOUT	13-10-17
A	ISSUED FOR APPROVAL	18-04-17

100mm on Original

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

Client

NEWCOLD SYDNEY

Scales	1 : 500 @ A1	Drawn	TH
		Designed	TH
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project

LOT 124 ON DP1194052
MARSDEN PARK INDUSTRIAL PRECINCT

Title

STORMWATER CATCHMENT PLAN

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Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
DAC201	17-3078	B

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COLD STORAGE FACILITY
FFL39.600 ±500mm

ROAD 5A

HOLLINSWORTH ROAD

UNNAMED ROAD

RW

PAVEMENT LEGEND

PAVEMENT TYPE 1
100mm THICKNESS CONCRETE (25MPa, SL82 50 TOP COVER) ON
50mm THICKNESS DGB20 ON
NOTE: REFER TO BLACKTOWN CITY COUNCIL STANDARD DWG S-501 FOR JOINTING DETAILS

PAVEMENT TYPE 2
150mm THICKNESS CONCRETE-N40 (SL82 FABRIC-40 TOP COVER) ON
150mm THICKNESS DGB20

PAVEMENT TYPE 5
200mm THICKNESS CONCRETE-N40 (SL82 FABRIC-40 TOP COVER) ON
150mm THICKNESS DGS20
AS SPECIFIED BY STRUCTURAL ENGINEER

PAVEMENT TYPE 4
200mm THICKNESS CONCRETE N25 (2×SL92 TOP & BOTTOM FABRIC-40mm COVER) ON
30mm SAND THICKNESS BEDDING
AS SPECIFIED BY STRUCTURAL ENGINEER

PROPOSED LANDSCAPING
LANDSCAPING AS SPECIFIED
100mm TOPSOIL

NSW GOVERNMENT
Planning

Issued under the Environmental Planning and Assessment Act 197

Approved Section 96 (1A) (1) (2) Modification Applicatio

No. 2 granted on the 20/02/2018

in respect to MP SSD 6799

Signed.....

Sheet No. 13 of 17

Issue	Description	Date
B	REVISED ARCHITECTURAL LAYOUT	13-10-17
A	ISSUED FOR APPROVAL	18-04-17

100mm on Original

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

Client: NEWCOLD SYDNEY

Scales	1 : 500 @ A1	Drawn	TH
		Designed	TH
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project: LOT 124 ON DP1194052 MARSDEN PARK INDUSTRIAL PRECINCT

Title: PAVEMENT PLAN

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Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
DAC202	17-3078	B

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EXISTING SEDIMENT BASIN TO REMAIN IN USE FOR DURATION OF EARTHWORKS. PARTIALLY BACKFILL BASIN UPON COMMENCEMENT OF STORMWATER SYSTEM. BALANCE OF SEDIMENT BASIN TO BE FILLED AFTER UPSTREAM STORMWATER DRAINAGE NETWORK HAS BEEN CONSTRUCTED.

ROAD 5A

HOLLINSWORTH ROAD

UNNAMED ROAD

NSW GOVERNMENT
Planning

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Approved Section 96 (1A) (1) (2) Modification Application

No 1 .....granted on the 20/02/2018

in respect to ~~MP~~ SSD 6799

Signed.....

Sheet No. 14 of 17

LEGEND

- SEDIMENT FENCE (SD 6-8)
- CATCH DRAIN
- BARRIER FENCE
- STRAW BALE FILTER (SD 6-7)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- GEOTEXTILE INLET (SD 6-12)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- PROPOSED SITE ACCESS GATE

Issue	Description	Date
B	REVISED ARCHITECTURAL LAYOUT	13-10-17
A	ISSUED FOR APPROVAL	18-04-17

100mm on Original

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

Client: NEWCOLD SYDNEY

Scales 1 : 500 @ A1

Grid MGA

Height Datum AHD

Drawn	TH
Designed	TH
Checked	AT
Approved	

Project: LOT 124 ON DP1194052 MARSDEN PARK INDUSTRIAL PRECINCT

Title: EROSION AND SEDIMENT CONTROL PLAN

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
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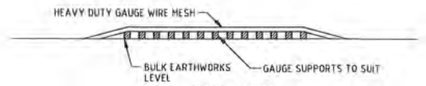
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

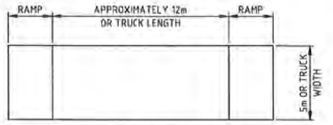
A1

Drawing No.	Project No.	Issue
DAC300	17-3078	B

F:\QLD\17-3078 Newcold Cold Storage\Drgs\Civil\Final\DA\DAC300.dwg



ELEVATION

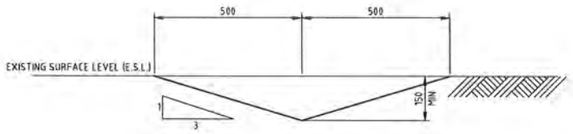


PLAN

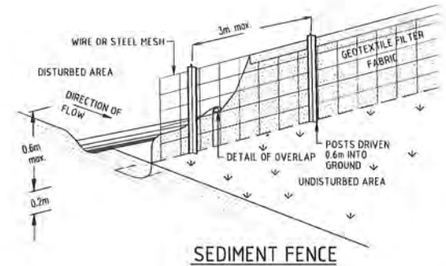
TEMPORARY CONSTRUCTION EXIT (WASH DOWN DETAIL)

SCALE 1:200

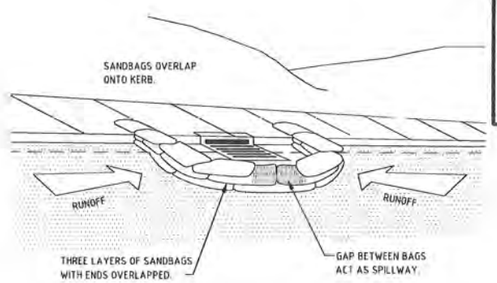
THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH PREVENTS TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY. THIS MAY REQUIRE REPAIR AND OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED IMMEDIATELY.



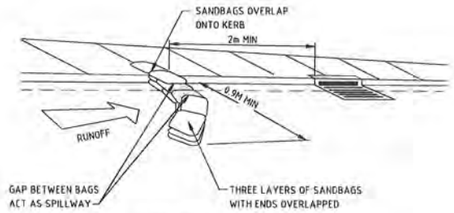
CATCH DRAIN
(MIN FALL 1%)
SCALE 1:10



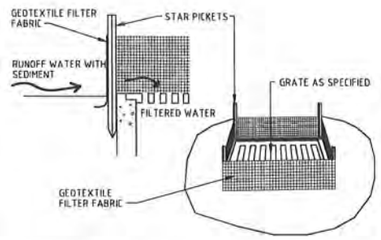
SEDIMENT FENCE
NTS



SANDBAG SEDIMENT TRAP FOR KERB INLET AT LOWPOINT
NTS



MESH AND GRAVEL INLET FILTER FOR KERB INLET ON GRADE
NTS



GEOTEXTILE INLET FILTER PIT SURROUND
NTS

NSW GOVERNMENT
Planning

Issued under the Environmental Planning and Assessment Act 1979

Approved Section 96 (1A) (1) (2) Modification Application

No. 1 granted on the 20/02/2018

in respect to MP SSD 6799

Signed.....

Sheet No. 15 of 17

Issue	Description	Date
B	REVISED ARCHITECTURAL LAYOUT	13-10-17
A	ISSUED FOR APPROVAL	18-04-17

100mm on Original

Bar Scales

0 100 200 400 600 800 1000mm
1:10 @ A1 1:20 @ A3

0 5 10 15 20m
1:200 @ A1 1:400 @ A3

Client: NEWCOLD SYDNEY

Scales	1:500 @ A1	Drawn	TH
		Designed	TH
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

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Status: FOR APPROVAL
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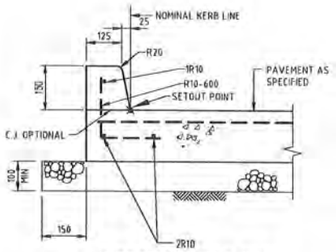
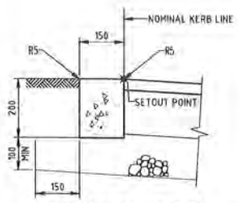
Drawing No.	Project No.	Issue
DAC301	17-3078	B

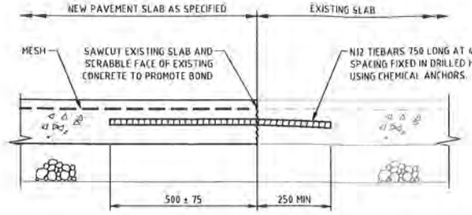
F:\QLD\17-3078 Newcold Cold Storage\Drgs\Civil\Final\DA\DAC301.dwg



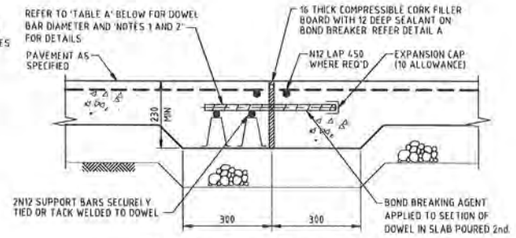
INTEGRAL KERB (IK)
SCALE 1:10



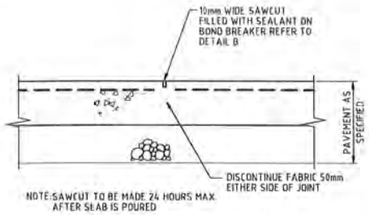
FLUSH KERB (FK)
SCALE 1:10



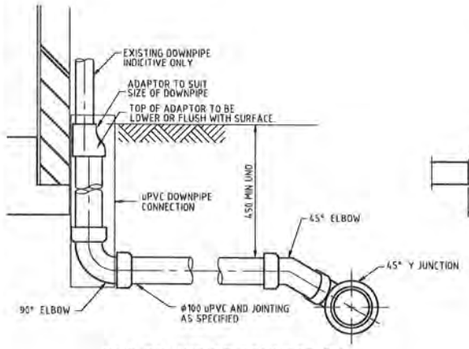
TIED JOINT (TJ)
SCALE 1:10
JOINT TO BE FORMED MIDWAY BETWEEN EXISTING SLAB JOINTS



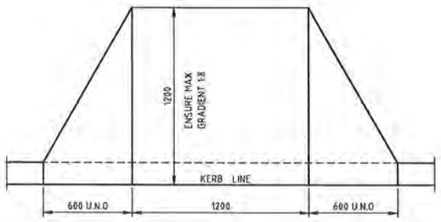
DOWELLED EXPANSION JOINT (DEJ)
SCALE 1:10



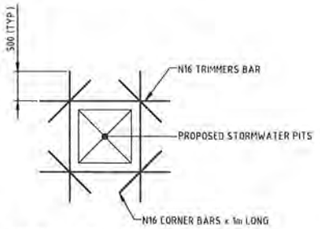
SAWN JOINT (SJ)
SCALE 1:10



PVC DOWNPIPE CONNECTION
SCALE 1:10



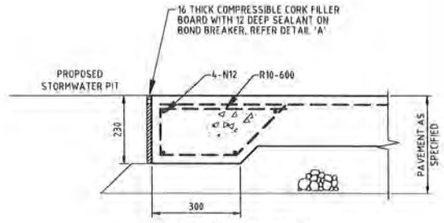
PLAN
RAMPED CROSSING
SCALE 1:20



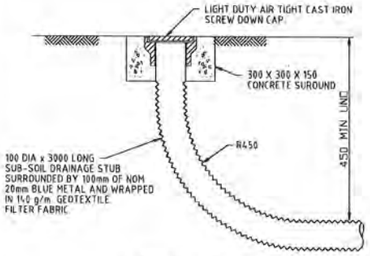
REINFORMENT DETAIL
AT PIT LOCATIONS
NTS

TABLE A	
SLAB THICKNESS	DOWEL DIA.
125<D≤160	24
160<D≤200	28
200<D≤250	32
D>250	36

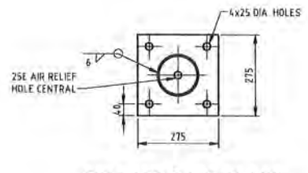
NOTE:
1. DOWEL BARS ARE TO BE PLAIN ROUND STEEL BARS OF GRADE 250N AND 450mm LONG PLACED AT 300mm CENTRES.
2. MORE THAN HALF OF THE DOWEL SHOULD BE COATED WITH DEBONDING AGENT TO ENSURE EFFECTIVE DEBONDING FROM THE CONCRETE ON THAT SIDE OF THE JOINT



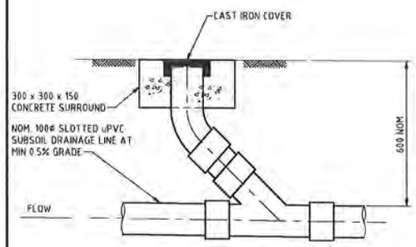
THICKENED EDGE
(ADJACENT TO ALL STORMWATER PITS)
SCALE 1:10



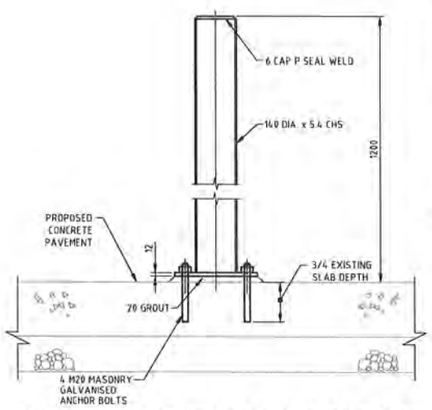
FLUSHING POINT
SCALE 1:10
NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED



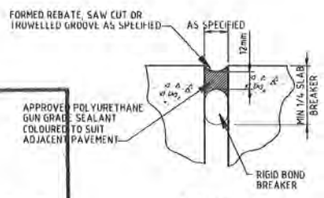
BOLLARD BASE PLATE
SCALE 1:10



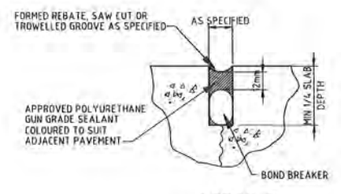
INTERMEDIATE RISER
SCALE 1:10



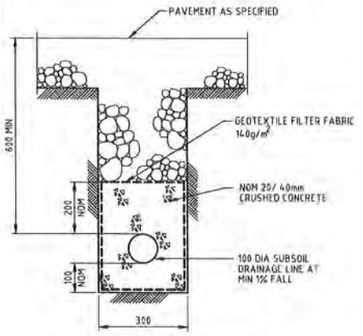
BOLLARD TO EXISTING CONCRETE PAVEMENT
SCALE 1:10



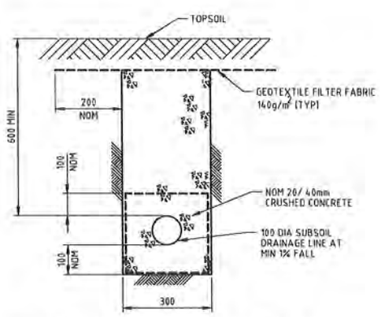
DETAIL A
N.T.S.



DETAIL B
N.T.S.



SUBSOIL IN PAVED AREAS
SCALE 1:10



SUBSOIL IN LANDSCAPED AREAS
SCALE 1:10

NSW GOVERNMENT
Planning

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Sheet No. 16 of 17

Issue	Description	Date
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A	ISSUED FOR APPROVAL	18-04-17

100mm on Original

Bar Scales

0 100 200 400 600 800 1000mm

1 : 10 @ A1 1 : 20 @ A3

Client: NEWCOLD SYDNEY

Scales	AS SHOWN
Grid	MGA
Height Datum	AHD
Drawn	TH
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DAC400	17-3078	B

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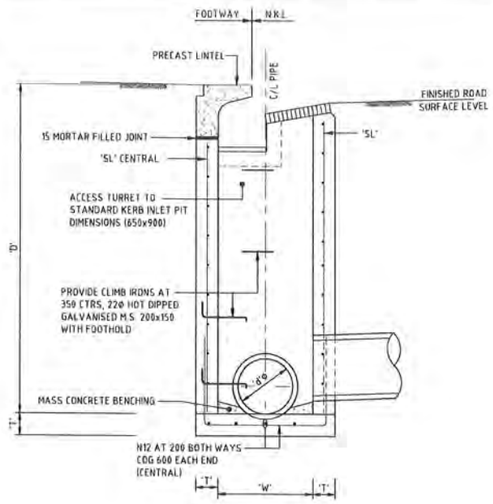
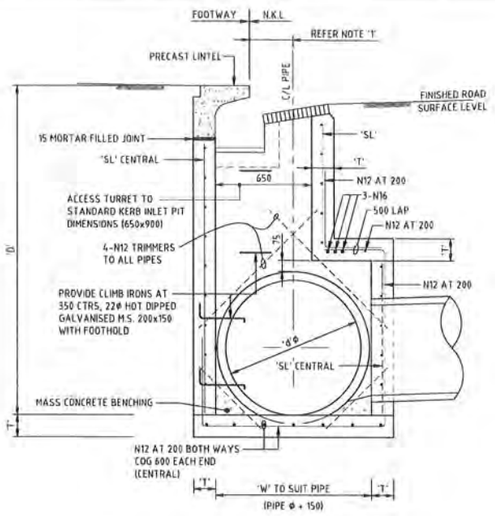


PIT TYPE 'A' DETAIL
STANDARD GRATED KERB INLET PIT
FOR PIPES UPTO 525ø

SCALE: 1:20

PIPE DIA. 'øØ'	WIDTH 'W'	DEPTH 'D'	WALL 'T'	FABRIC/COV 'SL'
375	650	800	150	SL72
	650	1200	150	SL72
	650	1600	150	SL72
	650	2000	150	SL72
	650	2400	150	SL72
450	650	800	150	SL72
	650	1200	150	SL72
	650	1600	150	SL72
	650	2000	150	SL72
	650	2400	150	SL72
525	650	800	150	SL72
	650	1200	150	SL72
	650	1600	150	SL72
	650	2000	150	SL72
	650	2400	150	SL72

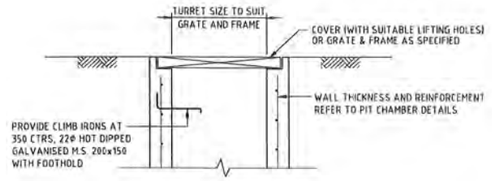


PIT TYPE 'B' DETAIL
STANDARD GRATED KERB INLET PIT
FOR PIPES FROM 600ø TO 1350ø

(ENLARGED CHAMBER)

SCALE: 1:20

PIPE DIA. 'øØ'	WIDTH 'W'	DEPTH 'D'	WALL 'T'	FABRIC/COV 'SL'
600	850	1200	150	SL72
	850	1600	150	SL72
	850	2000	150	SL72
	850	2400	150	SL72
675	940	1200	150	SL72
	940	1600	150	SL72
	940	2000	150	SL72
	940	2400	150	SL72
750	1020	1200	150	SL72
	1020	1600	150	SL72
	1020	2000	150	SL72
	1020	2400	150	SL72
825	1100	1600	150	SL72
	1100	2000	150	SL72
	1100	2400	150	SL72
900	1180	1600	150	SL72
	1180	2000	150	SL72
	1180	2400	150	SL72
1050	1345	1600	150	SL92
	1345	2000	150	SL92
	1345	2400	150	SL92
1200	1510	2000	150	SL102
	1510	2400	150	SL102
	1510	2800	150	SL102
1350	1690	2000	200	N12@150
	1690	2400	200	N12@150
	1690	2800	200	N12@150



STANDARD SURFACE INLET
OR SEALED JUNCTION PIT

SCALE: 1:20

NSW GOVERNMENT
Planning

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Sheet No. 17 of 17

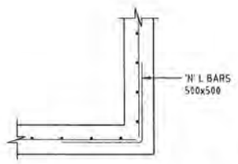
NOTE

1. FOR PIT SIZE REFER TO TABLE (900 MIN LONG).
2. REINFORCING MESH IS TO BE BENT TO LAP 300 AROUND ALL CORNERS. VERTICAL BARS ARE NOT TO BE CUT. ALTERNATLY PROVIDE N12 "L" BARS (500x500) AT 400 VERTICAL CTS.
3. COMPRESSIVE STRENGTH (F'c) FOR CAST IN SITU CONCRETE SHALL BE A MINIMUM 32 MPa AT 28 DAYS.
4. TOP OF BENCHING SHALL BE ¼ OF OUTLET PIPE DIAMETER.
5. 100mm SUBSOIL DRAINAGE PIPE 3000 LONG WRAPPED IN FABRIC SOCK TO BE PROVIDE ADJACENT TO INLET PIPES.
6. ALL PITS SHALL BE PROVIDED WITH A LOCKING CLIP.
7. PIT GRATE TO BE 'WELDLOK' GULLY GRATE GG 78-50 OR APPROVED EQUIVALENT.
8. DURING INSTALLATION OF GRATE AND FRAME CONTRACTOR IS TO ENSURE CLEARANCE BETWEEN LINTEL AND OPENED GRATE (REFER TO INSTALLATION TOLERANCE).
9. PROVIDE STEP IRONS AS INDICATED FOR PITS DEEPER THAN 1200.
10. N12 AT 200 CENTRAL MAY BE USED IN LEIU OF MESH. LAP 500 AT CORNERS.
11. CONCRETE STRENGTH - UNLESS NOTED OTHERWISE.

ELEMENT	f'c MPa (28 DAYS)	SLUMP	MAX AGG SIZE	CEMENT TYPE
PITS	32	80mm	20mm	GP

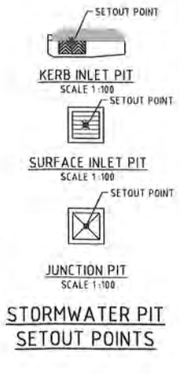
12. COVER – UNLESS NOTED OTHERWISE.

ELEMENT	INTERIOR	EXTERIOR
PITS		45mm
SLAB TOP	45mm	45mm
SLAB BOTTOM	45mm	45mm
BEAM TOP		
BEAM BOTTOM		
BEAM SIDE		
COLUMNS		

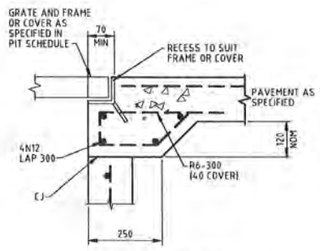


TYPICAL CORNER DETAIL

SCALE 1:20

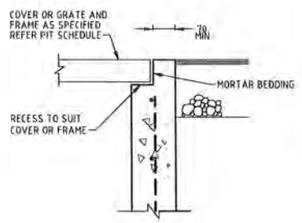


STORMWATER PIT SETOUT POINTS



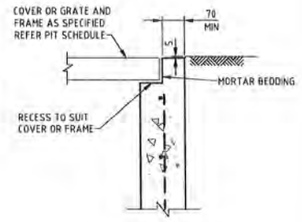
DETAIL "C"

SCALE 1:10



DETAIL "D"

SCALE 1:10



DETAIL "E"

SCALE 1:10

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100mm on Original

Bar Scales

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Scales	AS SHOWN	Drawn	TH
		Designed	TH
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

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DAC401	17-3078	B

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