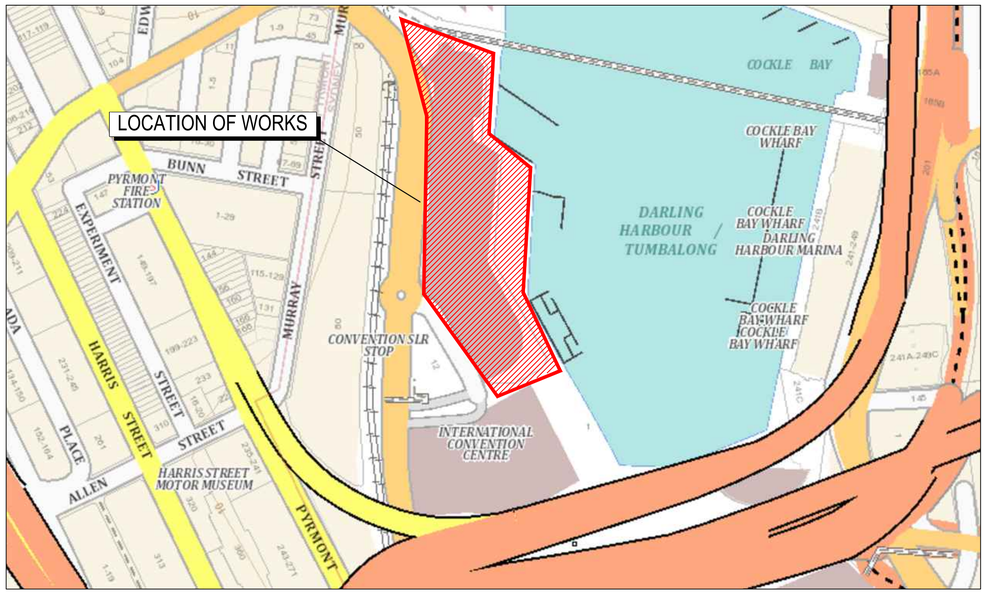
HARBOURSIDE

CIVIL WORKS PACKAGE

EXCAVATION



LOCALITY PLAN

N.T.S

DRAWING LIST

CIV-DWG-OA-0000	COVER SHEET AND DRAWING LIST
CIV-DWG-OA-0001	GENERAL NOTES AND LEGENDS
CIV-DWG-OA-0400	STORMWATER DRAINAGE PLAN
CIV-DWG-OA-0401	EROSION AND SEDIMENTATION CONTROL PLAN
CIV-DWG-OA-0402	EROSION AND SEDIMENTATION CONTROL DETAILS

GDA2020

Issue	Description	Date
A	ISSUED FOR APPROVAL	07-03-22

100mm on Original

Bar Scales

Client: mirvac

Scales: NTS

Grid: MGA2020

Height Datum: AHD

Drawn	JH
Designed	JH
Checked	GJ
Approved	AT

SSD 7874

Project: HARBOURSIDE EXCAVATION

Title: COVER SHEET AND DRAWING LIST

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A1

Project - Drawing No.: CIV-DWG-OA-0000

Issue: A

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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 REQUIREMENT
   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 SEDIMENT TRAPS AS SHOWN ON PLAN.
   (B) 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.

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. 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.
11. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

OTHER MATTERS

12. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
    ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH ARBORIST REPORT AND TREE PROTECTION MEASURES
    (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.

CONCRETE NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600(2018) 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.

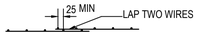
ELEMENT	AS 3600 F'c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS, AND PITS	32	80	20

- 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.M.S. SPECIFICATION R83.
7. REINFORCEMENT SYMBOLS:
   N DENOTES GRADE 450 N BARS TO AS/NZS 4671 GRADE N
   R DENOTES 230 R HOT ROLLED PLAIN BARS TO AS/NZS 4671
   SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS/NZS 4671

THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERENCE NUMBER FOR FABRIC TO AS/NZS 4671.

8. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:



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(2017). (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 ACCORDANCE WITH AS 1289 5.2.1(2017) FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m 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 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m 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. 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1(2017)

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: MINUTES 5
   1:100 YEARS= 269.5 mm/hr
   1:20 YEARS= 210.7mm/hr
   (C) RUNOFF COEFFICIENTS:
   ROOF AREAS: C =1.0
   EXTERNAL PAVEMENTS: C =1.0
2. PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '4' 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 ARE NOT PERMITTED.
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 (2007) 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 (2006) AND AS/NZS 3500 3.2 (2010).
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 7.5.2.1
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.

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.

SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY BEVERIDGE WILLIAMS, 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.

THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM THE ORIGINAL SURVEY DOCUMENTS.

NOTES:

1. CONTOURS SHOWN DEPICT THE APPROXIMATE TOPOGRAPHY, SPOT LEVELS SHOULD BE TAKEN IN PREFERENCE TO CONTOURS, CONTOURS DO NOT REPRESENT THE EXACT LEVEL AT ANY POINT. ALL LEVELS SHOULD BE CONFIRMED ON SITE PRIOR TO EXCAVATION OR CONSTRUCTION.
2. SOME SPOT LEVELS HAVE BEEN REMOVED FROM THE FACE OF THIS PLAN FOR CLARITY. ADDITIONAL SPOT LEVELS ARE AVAILABLE IN THE ELECTRONIC VERSION OF THIS PLAN FOR MORE DETAILED DESIGN WORKS.
3. BEVERIDGE WILLIAMS SURVEY DATA HAS BEEN DIGITISED FROM POINT CLOUD DATA OBTAINED FROM 3D LASER SCANNING SURVEY TECHNIQUE'S. ADDITIONAL SURVEY DATA IS AVAILABLE IN THE POINT CLOUD ACCOMPANYING THIS PLAN FOR MORE DETAILED DESIGN WORKS
4. SURVEY DATA SHOWN IN GREY HAS BEEN OBTAINED FROM SURVEY UNDERTAKEN BY RYGATE SURVEYORS PLAN REFERENCE 77266 DATED 27/01/2016
5. BOUNDARIES SHOWN ON THIS PLAN ARE BASED ON PLANS AVAILABLE ON PUBLIC RECORD AT TIME OF SURVEY AND PRELIMINARY SURVEY INVESTIGATIONS ONLY. ALL BOUNDARY DIMENSIONS ARE BY TITLE ONLY AND SUBJECT TO FINAL SURVEY
6. THE RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY. WHERE OFFSETS ARE CRITICAL. THEY SHOULD BE CONFIRMED BY FURTHER SURVEY, PRIOR TO CONSTRUCTION BOUNDARIES SHOULD BE MARKED
7. SERVICES STRUCTURES HAVE BEEN LOCATED WHERE VISIBLE ONLY. ALL SERVICES SHOULD BE LOCATED BY THE RELEVANT AUTHORITY PRIOR TO ANY DESIGN. EXCAVATION OR CONSTRUCTION WORKS
8. TREE CANOPIES ARE APPROXIMATE ONLY AND SHOULD BE VERIFIED FROM POINT CLOUD IF CRITICAL TO DESIGN
9. THIS PLAN HAS BEEN PREPARED FOR THE PURPOSE OF ASSISTING FUTURE DESIGN WORKS AND SHOULD NOT BE USED FOR ANYTHING OTHER THAN THAT PURPOSE

CIVIL HOLD POINTS

HOLD POINTS/WITNESS POINT (INSPECTIONS)
PAVEMENT:
- PROOF ROLL SUBGRADE
- PROOF ROLL SUBBASE
- KERB SETOUT
- PROOF ROLL BASECOURSE
- SPRAY SEAL
- ASPHALT (1ST LAYER)
- FOOTPATH/DRIVEWAYS FORMWORK

STORMWATER:
- SETOUT STORMWATER PITS
- FORMWORK FOR ANY IN-SITU PITS
- EXCAVATE AND PARTIAL LAID PIPES

FINAL INSPECTIONS:
- SIGNAGE
- FINAL ASPHALT LAYER
- LINEMARKING
- DEFECTS INSPECTION
- DEFECTS RECTIFICATION
- HANDOVER

MATERIAL AND TESTING REQUIREMENTS:
PAVEMENT:
- CBR/COMPACTION TEST SUBGRADE
- SURVEY SUBGRADE
- MATERIAL DATA SHEET SUBBASE
- COMPACTION TEST SUBBASE
- SURVEY SUBBASE
- MIX DESIGN KERB
- MATERIAL DATA SHEET BASECOURSE
- COMPACTION TEST BASECOURSE
- SURVEY BASECOURSE
- MATERIAL DATA SHEET SPRAY SEAL
- APPLICATION RATE/TEMPERATURE FORM SPRAY SEAL
- MATERIAL DATA SHEET ASPHALT
- NUCLEAR DENSITY TEST
- MIX DESIGN FOOTPATH/DRIVEWAYS
- CONCRETE STRENGTH TEST FOOTPATH/DRIVEWAYS

STORMWATER:
- MATERIAL DATA SHEET PRECAST PIT AND PIPES
- MATERIAL DATA SHEET AGG PIPE AND GEOFABRIC
- MATERIAL DATA SHEET SAND BACKFILL
- DENSITY TEST SAND OVERLAY
- COMPACTION TEST BACKFILL
- CONCRETE STRENGTH TEST STORMWATER INSITU PITS

FINAL:
- WAE SURVEY (FINISHED LEVELS, STORMWATER INVERTS PIPE SIZE ETC)

COORDINATION WILL BE REQUIRED WITH UTILITY INSTALLATIONS (ATL IS NOT RESPONSIBLE FOR INSPECTIONS OR COORDINATION OF UTILITIES ON THIS PROJECT):
- WATER
- POWER
- JEMENA
- TELECOMMS

CONSTRUCTION TOLERANCES

BULK EARTHWORKS		
EARTHWORKS	-10mm / +20mm	OF FINISHED SURFACE LEVEL (AFTER COMPACTION AND TRIMMING)
STORMWATER		
PIPES	WITHIN 20mm	OF THE DESIGN INVERT LEVEL AT ANY POINT
PIPES	WITHIN 100mm	OF THE PLAN POSITION SHOWN ON THE DRAWINGS OR SPECIFIED AT ANY POINT
HEADWALLS	WITHIN 20mm	OF THE DESIGN INVERT LEVEL AT ANY POINT
HEADWALLS	WITHIN 100mm	OF THE PLAN POSITION SHOWN ON THE DRAWINGS OR SPECIFIED AT ANY POINT
CHAMBERS	WITHIN 20mm	OF THE INVERT LEVEL SHOWN ON THE DRAWINGS
CHAMBERS	WITHIN 200mm	LONGITUDINALLY OF THE PLAN POSITION, WITH REFERENCE TO THE CONTROL LINE FOR THE ROAD SHOWN ON THE DRAWINGS
LINTELS	AS PER THE TOLERANCES SPECIFIED FOR THE ADJOINING MATERIAL	
COVERS	AS PER THE TOLERANCES SPECIFIED FOR THE ADJOINING MATERIAL	
GRATES	AS PER THE TOLERANCES SPECIFIED FOR THE ADJOINING MATERIAL	
OPEN DRAINS	WITHIN 50mm	OF THE DESIGN LEVEL AT ANY POINT PROVIDED THAT THERE IS A CONTINUOUS DOWNGRADE (WITHOUT PONDING) IN THE DIRECTION OF FLOW NOT LESS THAN 0.5% AT ANY POINT
PAVEMENT		
SUBBASE	-10mm / +10mm	OF PAVEMENT COURSE THICKNESS (AFTER COMPACTION & TRIMMING)
SUBBASE	-10mm / +0mm	OF FINISHED SURFACE LEVEL (AFTER COMPACTION AND TRIMMING)
SUBBASE	-5mm / +5mm	ALONG THE FINISHED SURFACE (LAID IN ANY DIRECTION) OVER A LENGTH OF 3 METRES
BASECOURSE	-0mm / +20mm	OF PAVEMENT COURSE THICKNESS (AFTER COMPACTION & TRIMMING)
BASECOURSE	-0mm / +10mm	OF FINISHED SURFACE LEVEL (AFTER COMPACTION AND TRIMMING)
BASECOURSE	-5mm / +5mm	ALONG THE FINISHED SURFACE (LAID IN ANY DIRECTION) OVER A LENGTH OF 3 METRES
SEAL	-0mm / +10mm	OF PAVEMENT FINISHED SURFACE LEVEL (AFTER ROLLING AGGREGATE)
SEAL	-5mm / +10mm	ALONG THE FINISHED SURFACE OVER THE CARRIAGEWAY WIDTH AT THE DATE OF PRACTICAL COMPLETION
SEAL	SURFACE OF THE COURSE, INCLUDING LONGITUDINAL AND TRANSVERSE JOINTS, MUST NOT POND WATER.	
ASPHALT	-0mm / +10mm	OF PAVEMENT FINISHED SURFACE LEVEL (AFTER COMPACTION)
ASPHALT	-5mm / +5mm	ALONG THE FINISHED SURFACE OVER THE CARRIAGEWAY WIDTH AT THE DATE OF PRACTICAL COMPLETION
ASPHALT	-8mm / +8mm	ALONG THE FINISHED SURFACE OVER THE CARRIAGEWAY WIDTH AT THE COMPLETION OF THE DEFECT LIABILITY PERIOD
ASPHALT	SURFACE OF THE COURSE, INCLUDING LONGITUDINAL AND TRANSVERSE JOINTS, MUST NOT POND WATER.	
CONCRETE		
KERB	-5mm / +5mm	ALONG THE TOP OF KERB OVER A LENGTH OF 5 METRES
KERB	-5mm / +5mm	ALONG THE FACE OF KERB OVER A LENGTH OF 5 METRES
PATH	-0mm / +10mm	OF FOOTPATH/SHARED PATH FINISHED SURFACE LEVEL
PATH	SURFACE OF THE PATH, INCLUDING JOINTS, MUST NOT POND WATER.	
VERGE		
TURF	-10mm / +0mm	OF PAVEMENT FINISHED SURFACE LEVEL (AFTER COMPACTION) TO THE ADJOINING MATERIAL (FOOTPATHS, KERBS, ETC)
MULCH	-10mm / +0mm	OF PAVEMENT FINISHED SURFACE LEVEL (AFTER COMPACTION) TO THE ADJOINING MATERIAL (FOOTPATHS, KERBS, ETC)
RETAINING / NOISE WALLS		
WALL	-20mm / +20mm	FROM ANY POINT ON THE WALL THE LEVEL MUST NOT DEVIATE FROM THAT SPECIFIED
WALL	-10mm / +10mm	INCLINATION OF THE FACE OF THE COMPLETED WALL MUST NOT DEVIATE FROM THE SPECIFIED INCLINATION PER METER HEIGHT (BLOCK WALL)
WALL	-5mm / +0mm	INCLINATION OF THE FACE OF THE COMPLETED WALL MUST NOT DEVIATE FROM THE SPECIFIED INCLINATION PER METER HEIGHT (PANEL WALL)
WALL	-20mm / +20mm	FLATNESS OF THE FACE OF THE WALL MUST BE SUCH THAT THE MAXIMUM DEVIATION FROM A 4.5 M STRAIGHT EDGE

CONTRACTOR SHALL CALL;
DIAL BEFORE YOU DIG 1100
PRIOR TO COMMENCEMENT OF WORK TO OBTAIN ALL CURRENT SERVICE AUTHORITY PLANS

DIAL 1100 BEFORE YOU DIG

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A	ISSUED FOR APPROVAL	07-03-22

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CONSENT No: DA-483/2018/F

Project: HARBOURSIDE EXCAVATION

Title: GENERAL NOTES AND LEGENDS

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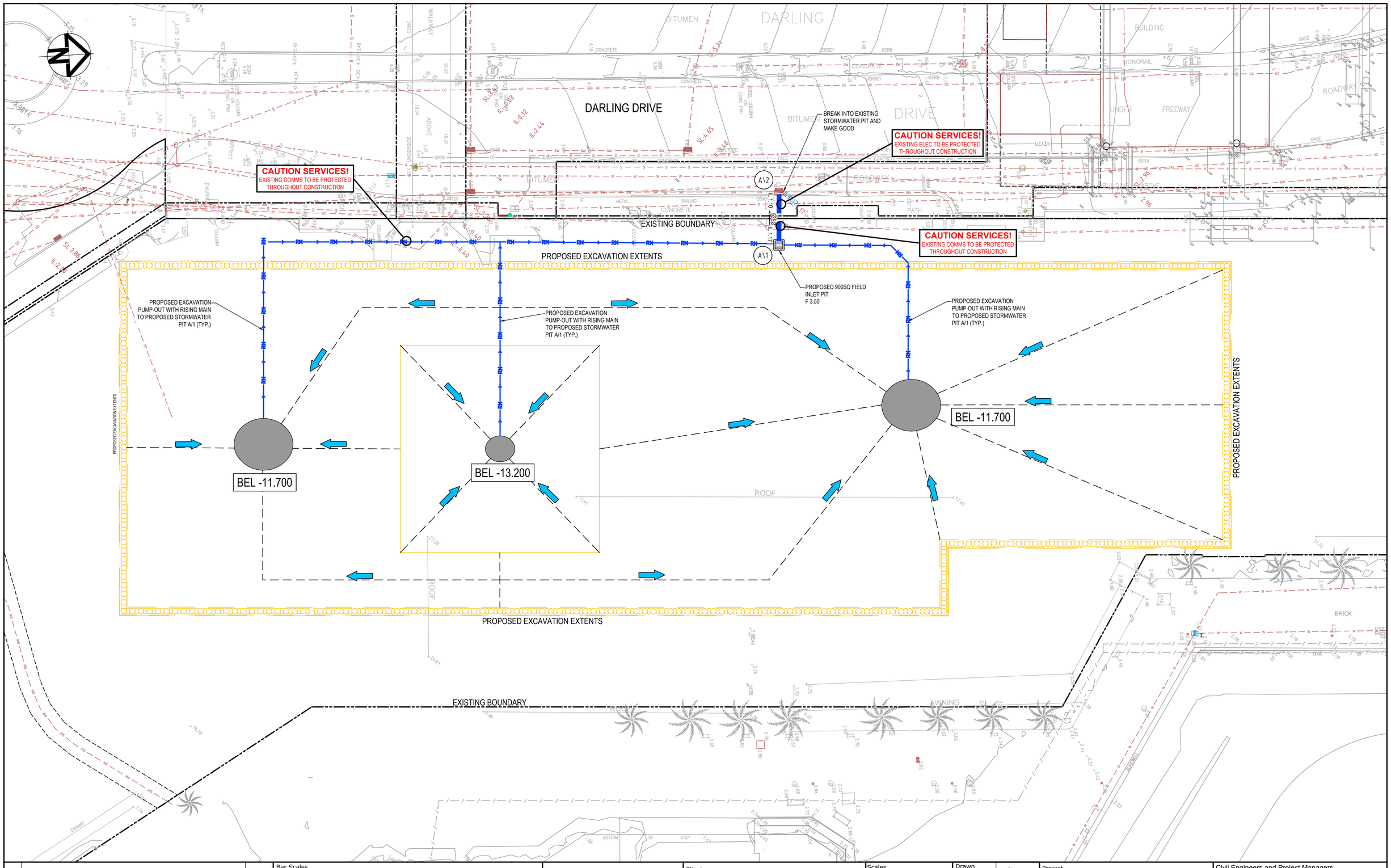

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1 : 200 @ A1 1 : 400 @ A3

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Project

HARBOURSIDE EXCAVATION

Title

STORMWATER DRAINAGE PLAN

Civil Engineers and Project Managers

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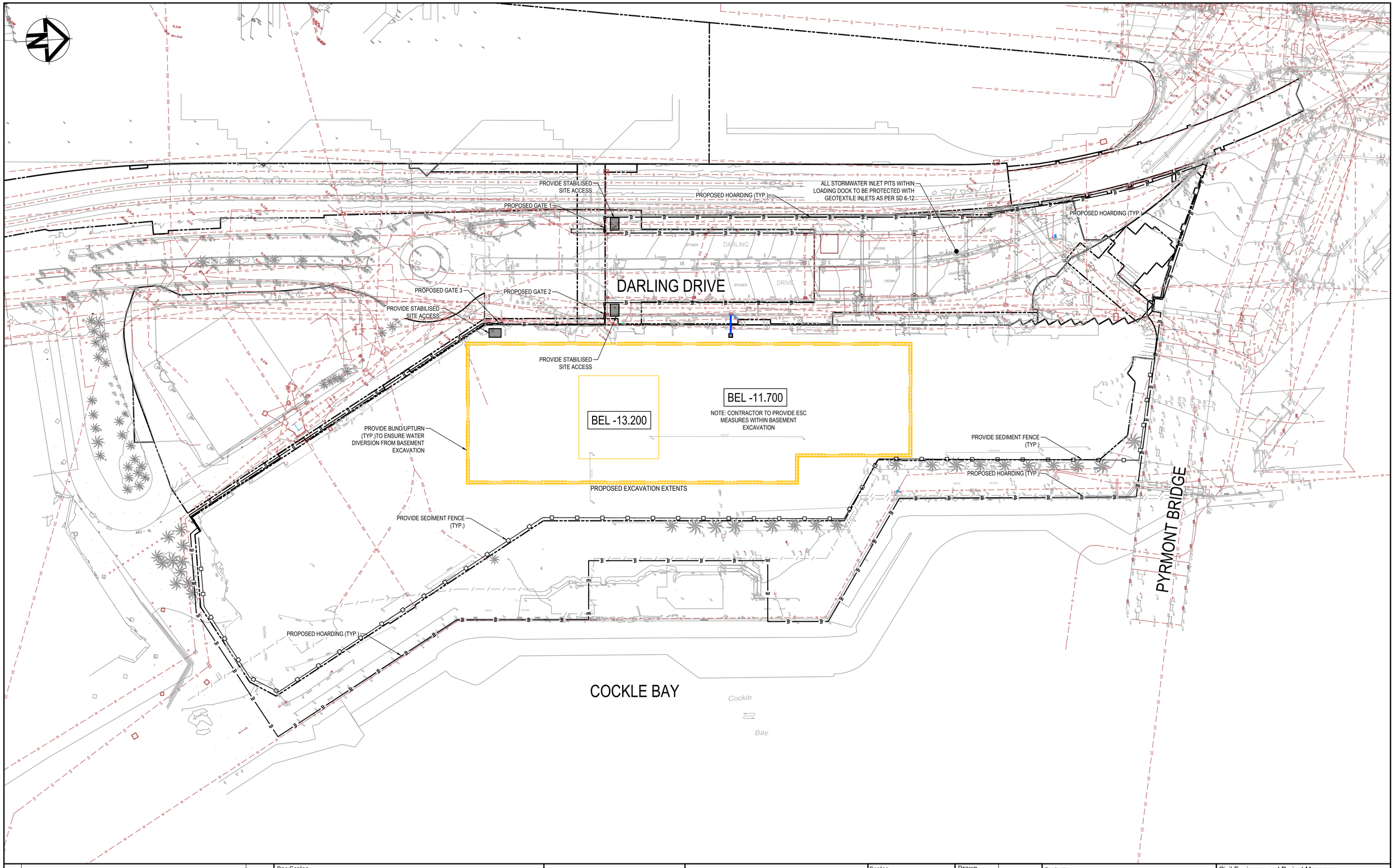

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Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

Client

mirvac

Scales	1:200	Drawn	JH
		Designed	JH
Grid	MGA2020	Checked	GJ
Height Datum	AHD	Approved	AT

CONSENT No: DA-483/2018/F

Project

HARBOURSIDE EXCAVATION

Title

EROSION AND SEDIMENTATION CONTROL PLAN

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

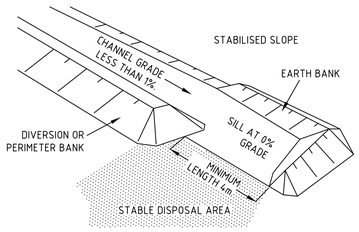
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: CIV-DWG-OA-0401

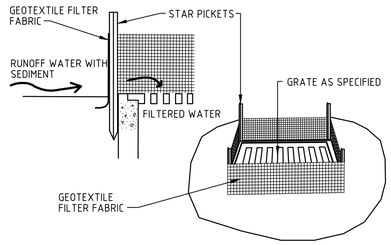
Issue: A

F:\21-926 Harbourside Mirvac\6.0 Drgs\Civil\Final\0000 Series - Early Works\CIV-DWG-OA-0401.dwg



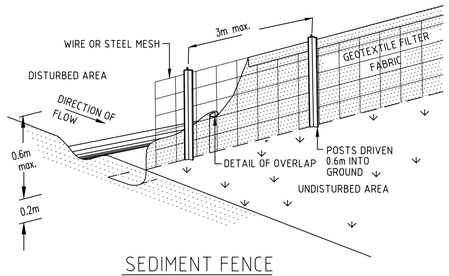
LEVEL SPREADER (OR SILL)

N.T.S



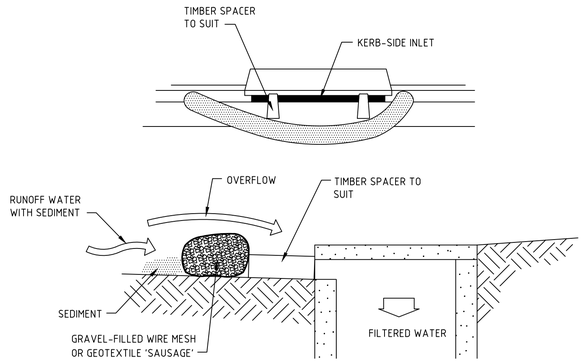
GEOTEXTILE FILTER PIT SURROUND

NTS



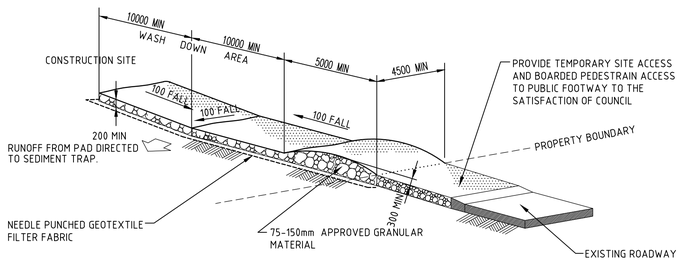
SEDIMENT FENCE

NTS



MESH AND GRAVEL INLET FILTER

NTS



STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA

NTS

Issue	Description	Date
A	ISSUED FOR APPROVAL	07-03-22

100mm on Original

Bar Scales

Client

mirvac

Scales NTS

Grid MGA2020

Height Datum AHD

Drawn JH

Designed JH

Checked GJ

Approved AT

CONSENT No: DA-483/2018/F

Project

HARBOURSIDE EXCAVATION

Title

EROSION AND SEDIMENTATION CONTROL DETAILS

Civil Engineers and Project Managers

at&l

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Status FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No. CIV-DWG-OA-0402

Issue A

F:\21-926 Harbourside Mirvac\6.0 Drgs\Civil\Final\0000 Series - Early Works\CIV-DWG-OA-0402.dwg