

HONEYSUCKLE CITY CAMPUS DEVELOPMENT

HONEYSUCKLE DRIVE, NEWCASTLE NSW 2300

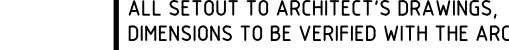

ENABLING WORKS - SITE 1



DRAWING LIST

DRG No.	DRAWING TITLE
01-C01.01	ENABLING WORKS - SITE 1 - COVER SHEET AND DRAWING LIST
01-C01.11	ENABLING WORKS - SITE 1 - SPECIFICATION NOTES
01-C02.01	ENABLING WORKS - SITE 1 - EROSION AND SEDIMENT CONTROL PLAN
01-C03.01	ENABLING WORKS - SITE 1 - BULK EARTHWORKS CUT FILL PLAN
01-C03.02	ENABLING WORKS - SITE 1 - BULK EARTHWORKS LEVELS PLAN
01-C03.11	ENABLING WORKS - SITE 1 - BULK EARTHWORKS SECTIONS - SHEET 1
01-C03.12	ENABLING WORKS - SITE 1 - BULK EARTHWORKS SECTIONS - SHEET 2

VERIFIER: C. PIPER
JOB MANAGER: C. PIPER
DESIGNED: S. FORBES
DRAWN: R. GREVE

REVISION		DESCRIPTION				ISSUED	VER'D	APP'D	DATE	CLIENT  THE UNIVERSITY OF NEWCASTLE AUSTRALIA	ARCHITECT  Newcastle Suite 4, 215 Pacific Hwy, Charlestown NSW 2290 P.O. Box 180, Charlestown NSW 2290 Ph (02) 4943 1777 Fax (02) 4943 1577 Email newcastle@northrop.com.au ABN 81 094 433 100	PROJECT HONEYSUCKLE CITY CAMPUS DEVELOPMENT HONEYSUCKLE DRIVE, NEWCASTLE NSW 2300	DRAWING TITLE ENABLING WORKS - SITE 1 COVER SHEET AND DRAWING LIST	JOB NUMBER NL172766				
1		ISSUED FOR REVIEW				SF		CP	14.03.19					DRAWING NUMBER	REVISION			
A		ISSUED FOR TENDER				SF		CP	21.03.19					01-C01.01	C			
B		RE-ISSUED FOR TENDER				SF		CP	27.03.19									
C		ISSUED FOR CONSTRUCTION				SF	SF	CP	30.08.19									
														DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD.			

ACCESS AND SAFETY

1. THE CONTRACTOR SHALL COMPLY WITH ALL STATUTORY AND INDUSTRIAL REQUIREMENTS FOR PROVISION OF A SAFE WORKING ENVIRONMENT INCLUDING TRAFFIC CONTROL.
2. THE CONTRACTOR SHALL PROVIDE TRAFFIC MANAGEMENT PLANS FOR THE PROPOSED WORKS COMPLETED BY A SUITABLY QUALIFIED PERSON AND APPROVED BY COUNCIL / REGULATORY AUTHORITY. WORK IS NOT TO COMMENCE ON SITE PRIOR TO APPROVAL OF TRAFFIC MANAGEMENT SCHEME.
3. THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES ACCESS TO BUILDINGS ADJACENT THE WORKS IS NOT DISRUPTED.
4. WHERE NECESSARY THE CONTRACTOR SHALL PROVIDE SAFE PASSAGE OF VEHICLES AND/OR PEDESTRIANS THROUGH OR BY THE SITE.
5. THE CONTRACTOR SHALL ENSURE PUBLIC ACCESS EXTERNAL TO THE SITE IS IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS.

SEDIMENT AND SOIL EROSION

1. THE SEDIMENT & EROSION CONTROL PLAN PRESENTS CONCEPTS ONLY. THE CONTRACTOR SHALL AT ALL TIMES BE RESPONSIBLE FOR THE ESTABLISHMENT & MANAGEMENT OF A DETAILED SCHEME MEETING COUNCIL'S DESIGN, OTHER REGULATORY AUTHORITY REQUIREMENTS AND MAKE GOOD PAYMENT OF ALL FEES.
2. THE CONTRACTOR SHALL INVESTIGATE ALL SEDIMENT AND EROSION CONTROL MEASURES IN ACCORDANCE WITH STATUTORY REQUIREMENTS AND IN PARTICULAR THE 'BLUE BOOK' (MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION), PRODUCED BY THE DEPARTMENT OF HOUSING AND COUNCILS POLICIES. THESE MEASURES ARE TO BE INSPECTED AND MAINTAINED ON A DAILY BASIS.
3. THE SITE SUPERINTENDENT SHALL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS INSTRUCTED IN THE DRAWINGS AND ADHERE TO ALL REGULATORY AUTHORITY REQUIREMENTS.
4. THE CONTRACTOR SHALL INFORM ALL SUB CONTRACTORS OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS.
5. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE SHALL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE.
 - 5.1 CONSTRUCT TEMPORARY STABILISED SITE ACCESS INCLUDING OF SHAKE DOWN / WASH PAD.
 - 5.2 INSTALL ALL TEMPORARY SEDIMENT FENCES AND BARRIER FENCES. WHERE FENCES ADJACENT EACH OTHER, THE SEDIMENT FENCE CAN BE INCORPORATED INTO THE BARRIER FENCE.
 - 5.3 INSTALL SEDIMENT CONTROL MEASURES AS OUTLINED ON THE APPROVED PLANS.
6. UNDERTAKE SITE DEVELOPMENT WORKS SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF MINIMUM WORKABLE SIZE.
7. AT ALL TIMES AND IN PARTICULAR DURING WINDY AND DRY WEATHER, LARGE UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL ENSURING CONFORMITY TO REGULATORY AUTHORITY REQUIREMENTS.
8. WATER SHALL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS THE CATCHMENT AREA HAS BEEN STABILISED AND/OR ANY LIKELY SEDIMENT BEEN FILTERED OUT.
9. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES SHALL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE STABILISED / REHABILITATED.
10. ALLOW FOR GRASS STABILISATION OF EXPOSED AREAS DURING ALL PHASES OF CONSTRUCTION.
11. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED TO ENSURE THAT THEY OPERATE EFFECTIVELY. REPAIRS AND/OR MAINTENANCE SHALL BE UNDERTAKEN REGULARLY AND AS REQUIRED, PARTICULARLY FOLLOWING RAIN EVENTS.
12. IF A TEMPORARY SEDIMENT BASIN IS REQUIRED, ENSURE SAFE BATTER SLOPES IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. MAINTAIN ADEQUATE STORAGE VOLUME IN ACCORDANCE WITH PLANS. TEMPORARY PUMP 'CLEAN FLOCCULATED' WATER TO COUNCILS STORMWATER SYSTEM . ENSURE WHOLE SITE RUN-OFF IS DIRECTED TO TEMPORARY SEDIMENT BASIN.

EXISTING SERVICES	
1.	ALL UTILITY SERVICES INDICATED ON THE DRAWINGS ORIGINATE FROM SUPPLIED DATA OR DIAL BEFORE YOU DIG SEARCHES, THEREFORE THEIR ACCURACY AND COMPLETENESS IS NOT GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AND CONFIRM THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY. NOTE SERVICE AUTHORITY REQUIREMENTS FOR <u>LOCATING OF SERVICES PRIOR TO COMMENCEMENT OF WORKS.</u>
2.	CARE TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS AREA TO BE UNDERTAKEN OVER COMMUNICATION, GAS OR ELECTRICAL SERVICES. HAND EXCAVATION ONLY IN THESE AREAS.
3.	THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING SERVICES THAT ARE TO BE RETAINED IN THE VICINITY OF THE PROPOSED WORKS. ANY AND ALL DAMAGE TO THESE SERVICES AS A RESULT OF THESE WORKS SHALL BE REPAIRED BY THE CONTRACTOR UNDER THE DIRECTION OF THE SUPERINTENDENT <u>AT THE CONTRACTORS EXPENSE.</u>
4.	THE CONTRACTOR SHALL ALLOW IN THE PROGRAM FOR THE ADJUSTMENT (IF REQUIRED) OF EXISTING SERVICES IN AREAS AFFECTED BY WORKS.
5.	THE CONTRACTOR SHALL ALLOW IN THE PROGRAM FOR THE CAPPING OFF, EXCAVATION AND REMOVAL (IF REQUIRED) OF EXISTING SERVICES IN AREAS AFFECTED BY WORKS UNLESS DIRECTED OTHERWISE ON THE DRAWINGS OR BY THE SUPERINTENDENT.
6.	THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED AND MAINTAINED.
7.	PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN APPROVAL OF THE PROGRAM FOR THE RELOCATION AND/OR CONSTRUCTION OF TEMPORARY SERVICES AND FOR ANY ASSOCIATED INTERRUPTION OF SUPPLY.
8.	THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.

EARTHWORKS

1. ALL WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE CONTAMINATED LAND MANAGEMENT PLAN AND UNEXPECTED FINDS PROTOCOL. SITE 1 PREPARED BY COFFEY, DATED 5 MARCH 2019 AND THE REMEDIATION ACTION PLAN, UNIVERSITY OF NEWCASTLE HCCD, SITE 1 PREPARED BY COFFEY DATED 5 MARCH 2019. THE CONTRACTOR SHALL INCLUDE SUFFICIENT ALLOWANCE IN THEIR FEE FOR COMPLIANCE WITH THESE DOCUMENTS INCLUDING ALL TESTING, MONITORING AND REPORTING.
2. THE COMMENCEMENT OF FILLING OPERATIONS FOR BULK EARTHWORKS, A GEOTECHNICAL ENGINEER IS TO VISIT THE SITE & CONFIRM THE SUITABILITY OF THE METHODOLOGY OF ACHIEVING THE REQUIRED COMPACTION REQUIREMENTS.
3. STRIP TOPSOIL, VEGETABLE MATTER AND RUBBLE TO EXPOSE NATURALLY OCCURRING MATERIAL AND STOCKPILE ON SITE AS DIRECTED BY THE SUPERINTENDENT.
4. WHERE FILLING IS REQUIRED TO ACHIEVE DESIGN SUBGRADE, PROOF ROLL EXPOSED NATURAL SURFACE WITH A MINIMUM OF TEN PASSES OF A VIBRATING ROLLER (MINIMUM STATIC WEIGHT OF 10 TONNES) IN THE PRESENCE OF THE SUPERINTENDENT.
5. THE CONTRACTORS SHALL ALLOW TO ENGAGE A SUITABLY QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER TO SUPERVISE, INSPECT AND PROVIDE ADVICE (E.G. UNSUITABLE MATERIAL, TEMPORARY AND PERMANENT BATTER SLOPES, DRAINAGE STABILITY, ETC) DURING THE FULL DURATION OF THE PROJECT. THE GEOTECHNICAL ENGINEER SHALL ULTIMATELY PROVIDE A CERTIFICATION TO THE CONTRACTOR (WHOM IN TURN WILL PROVIDE A CERTIFICATION TO THE SUPERINTENDENT) FOR ALL EARTHWORKS, SUBGRADE AND PAVEMENT WORKS STATING THAT "ALL EARTHWORKS, SUBGRADE AND PAVEMENT WORK HAVE BEEN ADEQUATELY AND APPROPRIATELY SUPERVISED DURING CONSTRUCTION AND THAT THEY HAVE BEEN UNDERTAKEN IN ACCORDANCE WITH THE REQUIREMENTS OF AS3798 AND THAT ALL WORKS ARE FIT FOR USE FOR THEIR INTENDED PURPOSE".
6. ALL SOFT, WET OR UNSUITABLE MATERIAL IS TO BE REMOVED AS DIRECTED BY THE SUPERINTENDENT AND REPLACED WITH APPROVED MATERIAL SATISFYING THE REQUIREMENTS BELOW.
7. PROVIDE CERTIFICATES VERIFYING THE QUALITY OF IMPORTED MATERIAL FOR THE SUPERINTENDENTS APPROVAL.
8. ALL FILL MATERIAL SHALL BE PLACED IN MAXIMUM 200mm THICK LAYERS (LOOSE) AND COMPACTED AT OPTIMUM MOISTURE CONTENT (+ or - 2%) TO ACHIEVE A DRY DENSITY DETERMINED IN ACCORDANCE WITH AS1289 2.11, AS1289 5.7.1 AND AS1289 5.8.8 OF NOT LESS THAN THE FOLLOWING STANDARD MINIMUM DRY DENSITY:

LOCATION	COMPACTION REQUIREMENT
SITE 1	100% SMDM (IN ACCORDANCE WITH COUNCIL SPECIFICATIONS)

9. TESTING OF THE SUBGRADE FOR BUILDINGS SHALL BE CARRIED OUT BY AN APPROVED N.A.T.A. REGISTERED LABORATORY.
10. ALLOW THE FOLLOWING COMPACTION TESTING BY N.A.T.A. REGISTERED LABORATORY FOR PLATFORMS AND FILL LAYERS IN ACCORDANCE WITH THE LATEST VERSION OF AS3798. (MINIMUM 3 TESTS PER LAYER) OR 1 TEST PER MATERIAL TYPE PER 2500sqm OR 1 TEST.

EARTHWORKS (cont)

11. WHERE TEST RESULTS ARE BELOW THE SPECIFIED COMPACTION, RECOMPACT AND RETEST UNTIL SPECIFIED COMPACTION STANDARDS ARE ACHIEVED, OTHERWISE SUBGRADE REPLACEMENT IS REQUIRED IF COMPACTION STANDARDS ARE NOT ACHIEVED.
12. ALLOW FOR EXCAVATION IN ALL MATERIALS AS FOUND U.N.O. NO ADDITIONAL PAYMENTS WILL BE MADE FOR EXCAVATION IN WET OR HARD GROUND.
13. WHERE THERE IS INSUFFICIENT EXCAVATED MATERIAL SUITABLE FOR FILLING OR SUBGRADE REPLACEMENT, THE CONTRACTOR IS TO ALLOW TO IMPORT FILL. IMPORTED FILL SHALL COMPLY WITH THE FOLLOWING:
 - 13.1. BE OF VIRGIN EXCAVATED NATURAL MATERIAL OR
 - 13.2. ALLOW CONTRACTOR TO PROVIDE EVIDENCE IMPORT IS SUITABLE USE
 - 13.3. PLASTICITY INDEX BETWEEN 2-15% AND CBR > 8
 - 13.4. FREE FROM ORGANIC AND PERISHABLE MATERIAL
 - 13.5. MAXIMUM SIZE 50mm, PASSING 75 MICRON SIEVE (<25%)
14. THE CONTRACTOR SHALL PROGRAM THE EARTHWORKS OPERATION SO THAT THE WORKING AREAS ARE ADEQUATELY DRAINED DURING THE PERIOD OF CONSTRUCTION. THE SURFACE SHALL BE GRADED AND SEALED OFF TO REMOVE DEPRESSIONS, ROLLERS MARKS AND SIMILAR WHICH WOULD ALLOW WATER TO POND AND PENETRATE THE UNDERLYING MATERIAL. ANY DAMAGE RESULTING FROM THE CONTRACTOR NOT OBSERVING THESE REQUIREMENTS SHALL BE RECTIFIED AT THEIR COST.
15. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE AND MAINTAIN THE INTEGRITY OF ALL SERVICES, CONDUITS AND PIPES DURING CONSTRUCTION, SPECIFICALLY DURING THE BACKFILLING AND COMPACTION PROCEDURE. ANY AND ALL DAMAGE TO NEW OR EXISTING SERVICES AS A RESULT OF THESE WORKS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
16. TESTING OF THE SUBGRADE SHALL BE CARRIED OUT BY AN APPROVED N.A.T.A. REGISTERED LABORATORY AT THE CONTRACTORS EXPENSE.

DEEP EXCAVATIONS

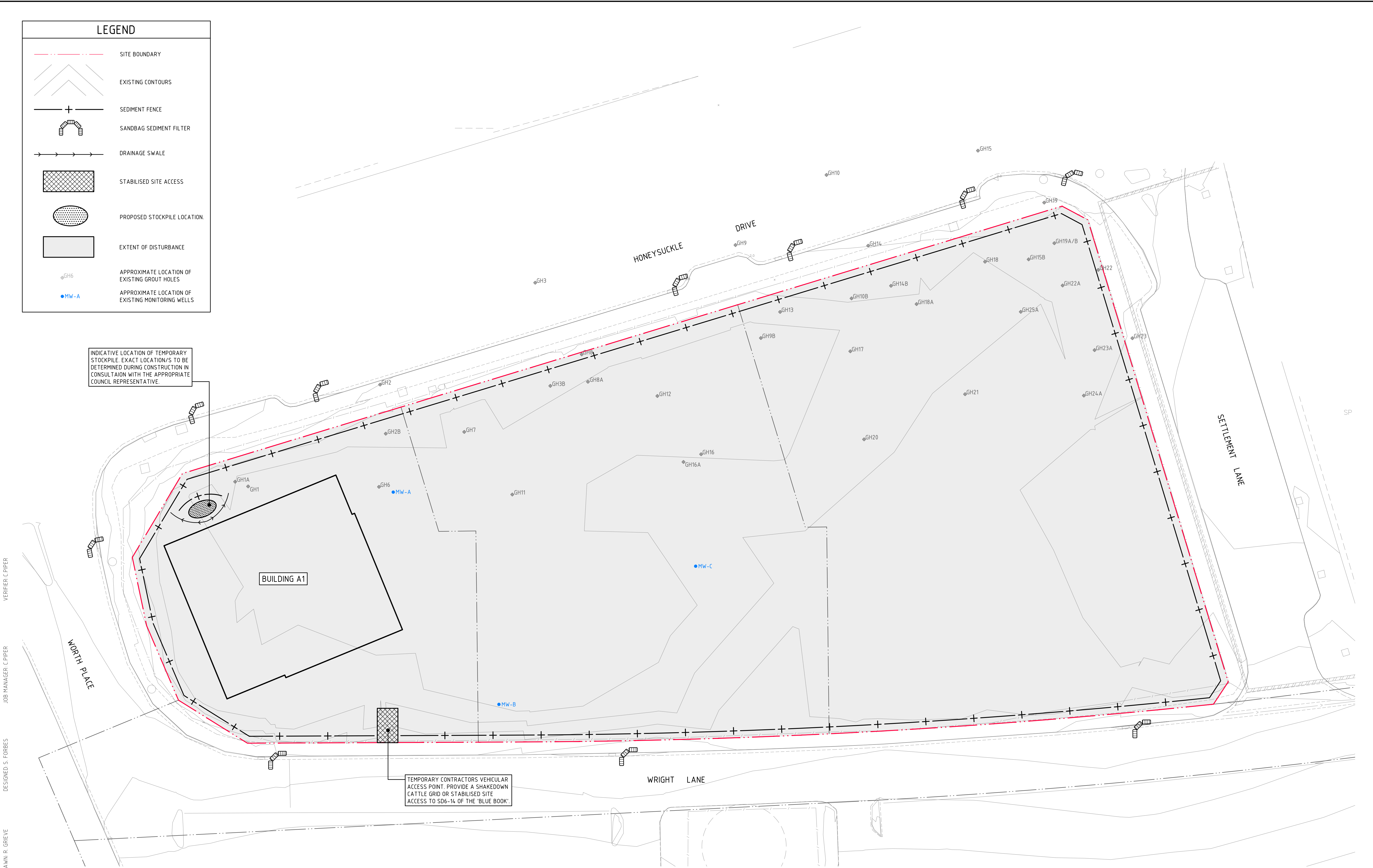
17. PRIOR TO THE COMMENCEMENT OF EXCAVATION WORKS GREATER THAN 1.5m IN DEPTH, THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER TO DETERMINE THE STABILITY OF A NATURAL MATERIAL AND BENCHING REQUIREMENTS.
18. THE CONTRACTOR MUST PROVIDE THE SUPERINTENDENT AND OR THE DESIGN ENGINEER WITH A COPY OF THE GEOTECHNICAL ENGINEERS REPORT.
19. THE CONTRACTOR IS TO PROVIDE SAFETY BARRIERS / FENCING IN ACCORDANCE WITH OH&S AND REGULATORY AUTHORITY REQUIREMENTS.

SERVICE TRENCHES

20. SAWCUT EXISTING SURFACES PRIOR TO EXCAVATION. BACKFILL ALL TRENCHES UNDER EXISTING ROADS, PAVEMENTS AND PATHS WITH STABILISED SAND 5% CEMENT OR DGS40 MATERIAL (5% CEMENT) COMPACTED IN 200mm THICK LAYERS TO 98% MMD TO UNDERSIDE OF PAVEMENT.
21. BACKFILL ALL TRENCHES NOT UNDER ROADS, PAVEMENTS, PATHS AND BUILDINGS WITH APPROVED EXCAVATED OR IMPORTED MATERIAL COMPACTED TO 95% SMD.
22. AS NOTED IN THE CONTAMINATED LAND MANAGEMENT PLAN AND UNEXPECTED FINDS PROTOCOL, SITE 1 PREPARED BY COFFEY, DATED 5 MARCH 2019, SOIL EXCAVATED DURING THE REMEDIATION AND TRENCHING WORKS CAN BE REUSED AS FILL ON SITE PROVIDED IT IS PLACED BELOW 2m BGS AND AT LEAST 0.5m ABOVE THE STANDING WATER LEVEL.

SITEWORKS

1. ALL WORKS TO BE IN ACCORDANCE WITH RELEVANT LOCAL COUNCIL / REGULATORY AUTHORITIES REQUIREMENTS, ALL SPECIFICATIONS AND AUSTRALIAN STANDARDS. CONFLICTS BETWEEN SAID DOCUMENTS SHALL BE REFERRED TO THE SUPERINTENDENT FOR DIRECTION.
2. THE CONTRACTOR IS TO DESIGN, OBTAIN APPROVALS AND CARRY OUT REQUIRED TEMPORARY TRAFFIC CONTROL PROCEDURES DURING CONSTRUCTION IN ACCORDANCE WITH ALL REGULATORY AUTHORITIES, INCLUSIVE OF LOCAL COUNCIL REGULATIONS AND REQUIREMENTS.
3. THE CONTRACTOR IS TO OBTAIN ALL AUTHORITY APPROVALS AS REQUIRED PRIOR TO COMMENCEMENT OF WORKS.
4. RESTORE ALL PAVED, COVERED, GRASSED AND LANDSCAPED AREAS TO THEIR ORIGINAL CONDITION OR AS DIRECTED BY THE SITE SUPERINTENDENT ON COMPLETION OF WORKS.
5. ON COMPLETION OF ANY TRENCHING WORKS, ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR AS DIRECTED BY THE SITE SUPERINTENDENT, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL, GRASSED AREAS AND ROAD PAVEMENTS.
6. THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR PRIOR TO COMMENCEMENT OF WORKS.
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING LEVELS ONSITE PRIOR TO LODGMENT OF TENDER AND ONSITE WORKS. THE PRICE AS TENDERED SHALL BE INCLUSIVE OF ALL WORKS SHOWN ON THE TENDER PROJECT DRAWINGS. ADDITIONAL PAYMENTS FOR WORKS SHOWN ON THE TENDER PROJECT DRAWINGS WILL NOT BE APPROVED.
8. DO NOT OBTAIN DIMENSIONS BY SCALING DRAWINGS.
9. IN CASE OF DOUBT OR DISCREPANCY REFER TO SUPERINTENDENT FOR CLARIFICATION OR CONFIRMATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
10. WHERE NEW WORKS ADJUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED. MAKE SMOOTH TRANSITION TO EXISTING FEATURES AND MAKE GOOD WHERE JOINED.
11. TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS SHALL BE SAWCUT TO FULL DEPTH OF CONCRETE AND A MIN 50mm IN BITUMINOUS PAVING.
12. ALL CIVIL ENGINEERING DESIGN HAS BEEN DOCUMENTED UNDER THE ASSUMPTION THAT ALL NECESSARY SITE CONTAMINATION REMEDIATION WORKS HAVE BEEN SATISFACTORILY COMPLETED (IF APPLICABLE) AND THAT THE SITE IS NOT AFFECTED BY ANY SOIL STRATA OR GROUNDWATER TABLE CONTAMINATION.



VERIFIER: C. PIPER
JOB MANAGER: C. PIPER
DESIGNED: S. FORBES
DRAWN: R. GRIEVE

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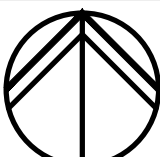


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PLANS 1:250

0 2.5 5 7.5 10 12.5m

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PROJECT

HONEYSUCKLE CITY
CAMPUS DEVELOPMENT
HONEYSUCKLE DRIVE,
NEWCASTLE NSW 2300

DRAWING TITLE

ENABLING WORKS - SITE 1

EROSION AND SEDIMENT
CONTROL PLAN

JOB NUMBER

NL172766

DRAWING NUMBER

01-C02.01

REVISION

C

DRAWING SHEET SIZE ≈ A1

CONSTRUCTION



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PROJECT

HONEYSUCKLE CITY CAMPUS DEVELOPMENT
HONEYSUCKLE DRIVE,
NEWCASTLE NSW 2300

DRAWING TITLE

ENABLING WORKS - SITE 1

BULK EARTHWORKS CUT FILL PLAN

CONSTRUCTION

JOB NUMBER

NL172766

DRAWING NUMBER

01-C03.01

REVISION

D

DRAWING SHEET SIZE = A1

LEGEND

BOUNDARY LINE

EXISTING BOUNDARY LINE

BULK EARTWORKS SPOT HEIGHT

BULK EARTWORKS PAD LEVEL

BUILDING A1
FFL 2.80 | BEL 2.50

DIRECTION OF GRADE

BATTERS

CONTOURS

APPROXIMATE LOCATION OF
EXISTING GROUT HOLES

APPROXIMATE LOCATION OF
EXISTING MONITORING WELLS

The main site plan illustrates the proposed building footprint for Building A1, situated within a larger plot bounded by Honeysuckle Drive to the north, Settlement Lane to the east, and Wright Lane to the south. The building's footprint is defined by a red boundary line, with internal bulk earthworks levels indicated by yellow hatched areas and spot heights (e.g., BE 2.55m, BE 2.60m). The plan also shows existing ground contours in yellow, with elevations ranging from 2.5 to 2.7. Numerous monitoring wells (GH1 through GH24) are marked with their respective elevations. A network of batters (slopes) is shown with arrows indicating the direction of grade, with values such as -0.6%, -0.5%, and -0.4%. Key features include a future OSD and sand filter, a future rainwater reuse tank, a future fire tank, and a lift shaft, all with their respective levels and optional additional works noted. The plan also references drawing 01-C03.11 for typical backfilling details and notes that monitoring wells should be protected and maintained with caps at finished surface levels.

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PLANS 1:250
0 2.5 5 7.5 10 12.5m

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DRAWING TITLE

ENABLING WORKS - SITE 1

BULK EARTWORKS
LEVELS PLAN

CONSTRUCTION

JOB NUMBER

NL172766

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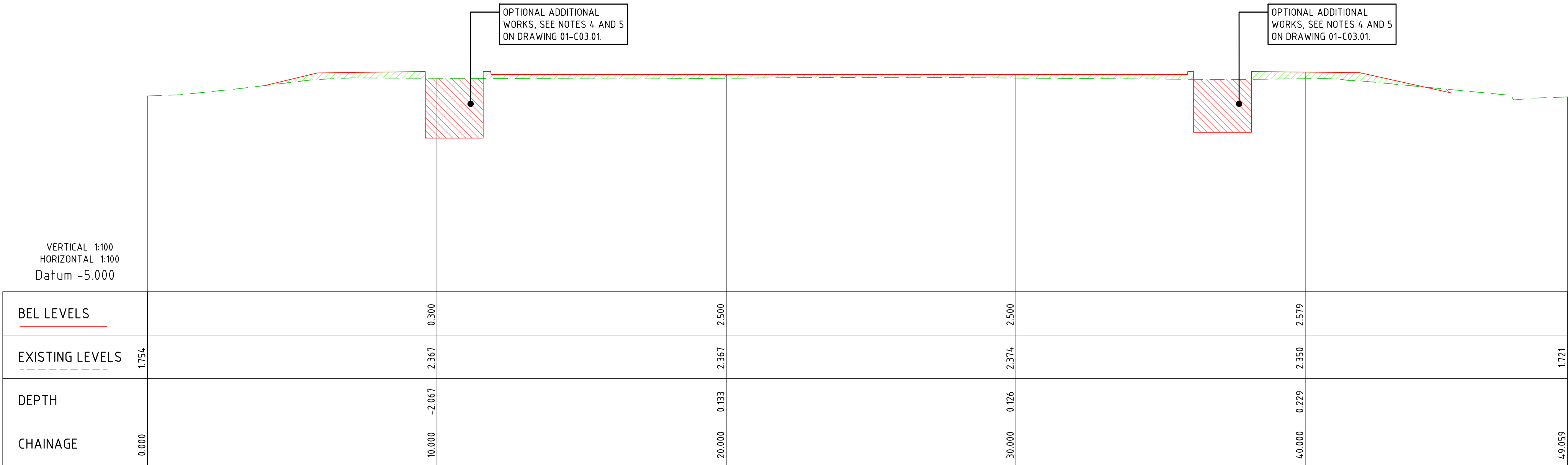
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REVISION

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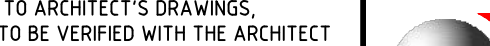


DRAWING SHEET SIZE = A1

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SECTION B LONG SECTION

CONSTRUCTION

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A	ISSUED FOR TENDER	SF		CP	21.03.19							
B	RE-ISSUED FOR TENDER	SF		CP	27.03.19							
C	ISSUED FOR CONSTRUCTION	SF	SF	CP	30.08.19							
						DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD.	PLANS 1:100				
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											01-C03.12	C