

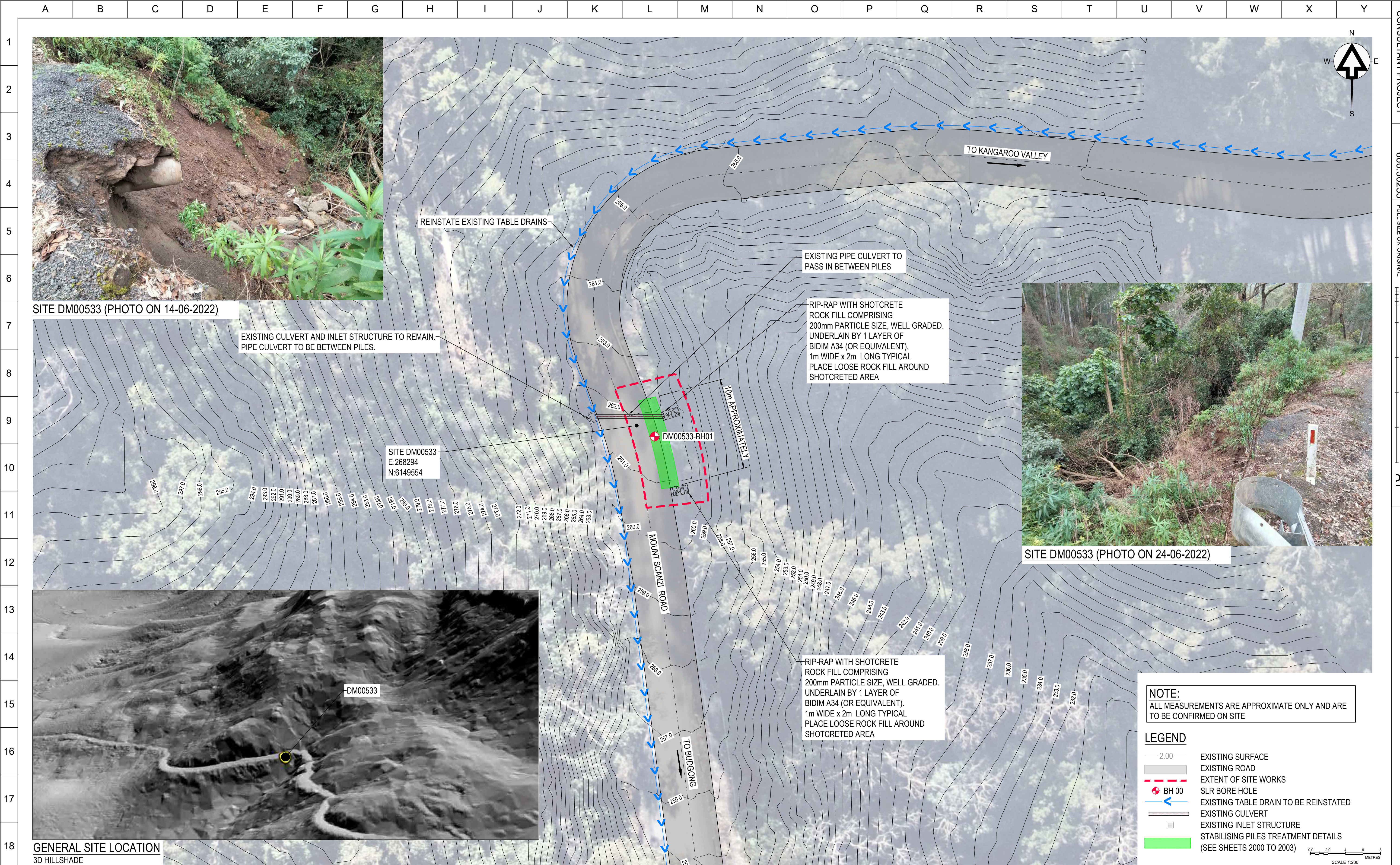


		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	CONSULTANT PROJECT 660.30255 FULL SIZE ON ORIGINAL 0 10 20 40 60 80 100 A1																												
1		DRAWING SCHEDULE (1 OF 2)										DRAWING SCHEDULE (2 OF 2)										COORDINATES TABLE																																	
2		DRAWING NUMBER					DRAWING TITLE					DRAWING NUMBER					DRAWING TITLE					SITE NUMBER						SITE LOCATION					EASTING					NORTHING																	
		660.30255-G-1000					COVER SHEET & SITES LOCALITY PLAN					660.30255-G-1200					SITE DM00583 - GENERAL ARRANGEMENT LAYOUT PLAN					DM00865						Abermathys Rd					266450					6145038																	
		660.30255-G-1001					DRAWING SCHEDULE & COORDINATES TABLE					660.30255-G-1201					SITE DM00583 - CROSS SECTIONS SHEET					SH00290						Bamarang Rd					271979					6135292																	
3		660.30255-G-1002					GENERAL NOTES SHEET 1															DM00706						Browns Mountain Rd					273244					6145779																	
		660.30255-G-1003					GENERAL NOTES SHEET 2															AC00088						Bunkers Hill Rd					274285					6159006																	
		660.30255-G-1004					GENERAL NOTES SHEET 3															DM00548						Bunkers Hill Rd					275018					6160966																	
4							660.30255-G-1010					SITE DM00865 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-1220					SITE NH00011 - GENERAL ARRANGEMENT LAYOUT PLAN						DM00549					Bunkers Hill Rd					274459					6159432												
												660.30255-G-1020					SITE SH00290 - GENERAL ARRANGEMENT LAYOUT PLAN																DM00869					Bunkers Hill Rd					274354					6159116							
																						660.30255-G-1230						SITE DM00513 - GENERAL ARRANGEMENT LAYOUT PLAN					DM00870					Bunkers Hill Rd					274402					6159173							
5							660.30255-G-1030					SITE DM00706 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-1231					SITE DM00513 - CROSS SECTIONS SHEET						SH00282					Burrier Rd					267939					6137163												
		660.30255-G-1031					SITE DM00706 - CROSS SECTIONS SHEET															660.30255-G-1232						SITE DM00513 - DETAILS SHEET 1					SH00288					Burrier Rd					271051					6135673							
																						660.30255-G-1233						SITE DM00513 - DETAILS SHEET 2					SH00292					Burrier Rd					268817					6136420							
6							660.30255-G-1040					SITE AC00088 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-1240					SITE DM00863 - GENERAL ARRANGEMENT LAYOUT PLAN						DM00555					Foremans Rd					287060					6155133												
																																	DM00882					Foremans Rd					287028					6155134							
		660.30255-G-1050					SITE DM00548 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-1250					SITE SH00276 - GENERAL ARRANGEMENT LAYOUT PLAN					DM00610						Hughes Rd					267764					6140045																	
7		660.30255-G-1051					SITE DM00548 - DETAILS SHEET																					DM00611					Hughes Rd					267775					6140040												
												660.30255-G-1060					SITE DM00549 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-1260					SITE DM00808 - GENERAL ARRANGEMENT LAYOUT PLAN					DM00805					Kangaroo Valley Rd					279846					6152399								
																					660.30255-G-1261					SITE DM00808 - CROSS SECTIONS SHEET					DM00806					Kangaroo Valley Rd					279546					6152162									
8																660.30255-G-1070					SITE DM00869 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-1262					SITE DM00808 - TREATMENT ELEVATION SHEET					DM00533					Mount Scanzi Rd					268294					6149554				
	660.30255-G-1071					SITE DM00869 - CROSS SECTIONS SHEET																									DM00577					Mount Scanzi Rd					269153					6150610									
																															DM00718					Mount Scanzi Rd					269141					6150636									
9						660.30255-G-1080					SITE DM00870 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-1270					SITE MT00008 - GENERAL ARRANGEMENT LAYOUT PLAN					DM00755					Mount Scanzi Rd					268187					6149366														
																															DM00757					Mount Scanzi Rd					268466					6149581									
	660.30255-G-1090					SITE SH00282 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-1271					SITE MT00008 - CROSS SECTIONS SHEET					660.30255-G-1272					SITE MT00008 - ELEVATION & DETAILS SHEET					DM00864					Mount Scanzi Rd					268507					6149629									
10																															NH00013					Mount Scanzi Rd					268449					6149585									
	660.30255-G-1100					SITE SH00288 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-1280					SITENR00016 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-1281					SITE NR00016 - CROSS SECTIONS SHEET					DM00583					Upper Kangarooo River Rd					278778					6156987									
																															DM00828					Upper Kangarooo River Rd					280258					6161915									
11						660.30255-G-1110					SITE SH00292 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-1290					SITE AQ00001 - GENERAL ARRANGEMENT LAYOUT PLAN					NH00011					Upper Kangarooo River Rd					279513					6157304														
																															DM00513					Wattamolla Rd					288246					6154987									
	660.30255-G-1120					SITES DM00882 & DM00555 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-1300					SITE DM00523 - GENERAL ARRANGEMENT LAYOUT PLAN										DM00863					Wattamolla Rd					285173					6154673														
12	660.30255-G-1121					SITE DM0555 - CROSS SECTIONS SHEET					660.30255-G-1310					SITE DM00822 - GENERAL ARRANGEMENT LAYOUT PLAN										SH00276					Wogamia Rd					272677					6137591														
	660.30255-G-1122					SITE DM00555 - DETAILS SHEET																				DM00808					Woodhill Mountain Rd					288281					6154144														
	660.30255-G-1123					SITE DM00882 - CROSS SECTIONS SHEET					660.30255-G-1320					SITE DM00890 - GENERAL ARRANGEMENT LAYOUT PLAN										MT00008					Woodhill Mountain Rd					288085					6154219														
13																															NR00016					Yalwal Rd					271466					6134664									
	660.30255-G-1130					SITES DM00610 & DM00611 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-1330					SITE DM00899 - GENERAL ARRANGEMENT LAYOUT PLAN										AQ00001					Upper Kangarooo River Rd					278908					6157117														
																															DM00523					Suffolk Road					277515					6116275									
14	660.30255-G-1140					SITE DM00805 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-2000					TYPICAL DETAILS & SPECIFICATIONS SHEET 1										DM00822					Mount Scanzi Rd					269174					6150402														
											660.30255-G-2001					TYPICAL DETAILS & SPECIFICATIONS SHEET 2										DM00890					Burrier Rd					269100					6136495														
	660.30255-G-1150					SITE DM00806 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-2002					TYPICAL DETAILS & SPECIFICATIONS SHEET 3										DM00899					Bamarang Rd					272066					6135240														
15	660.30255-G-1151					SITE DM00806 - DETAILS SHEET					660.30255-G-2003					TYPICAL DETAILS & SPECIFICATIONS SHEET 4																																							
											660.30255-G-2010					TYPICAL DETAILS & SPECIFICATIONS SHEET 5																																							
											660.30255-G-2011					TYPICAL DETAILS & SPECIFICATIONS SHEET 6																																							
16	660.30255-G-1160					SITE DM00533 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-2012					TYPICAL DETAILS & SPECIFICATIONS SHEET 7																																							
											660.30255-G-2013					TYPICAL DETAILS & SPECIFICATIONS SHEET 8																																							
	660.30255-G-1170					SITES DM00577 & DM00718 - GENERAL ARRANGEMENT LAYOUT PLAN					660.30255-G-2014					TYPICAL DETAILS & SPECIFICATIONS SHEET 9																																							
17																																																							
18																																																							
PLOT DATE 22-Feb-2023 4:11:29 PM	REVISIONS							THIS DRAWING IS THE PROPERTY OF SLR CONSULTING AUSTRALIA AND MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE CONSENT OF THE COMPANY.					DRAWN: WP/GL	DATE: 19.10.2022	 LEVEL 1, THE CENTRAL BUILDING INNOVATION CAMPUS, SQUIRES WAY NORTH WOLLONGONG NSW 2500 AUSTRALIA T: +61 2 4249 1004 F: +61 2 4249 1000 www.slrconsulting.com	 FOR CONSTRUCTION	CLIENT: SHOALHAVEN CITY COUNCIL																																						
														PROJECT: LANDSLIDE REMEDIATION DESIGN OF VARIOUS SITES																																									
									THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ENDORSED BELOW					DESIGN: MB/DT			DATE: 20.10.2022	DRAWING TITLE: DRAWING SCHEDULE & COORDINATES TABLE																																					
														DRG. CHECK: MB			DATE: 24.10.2022																																						
							Responsible Principal Signature					DES. CHECK: DT	DATE: 25.10.2022	The content contained within this document may be based on third party data. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information.																																									
1	24.02.2023	ISSUED FOR CONSTRUCTION				DT																																																	
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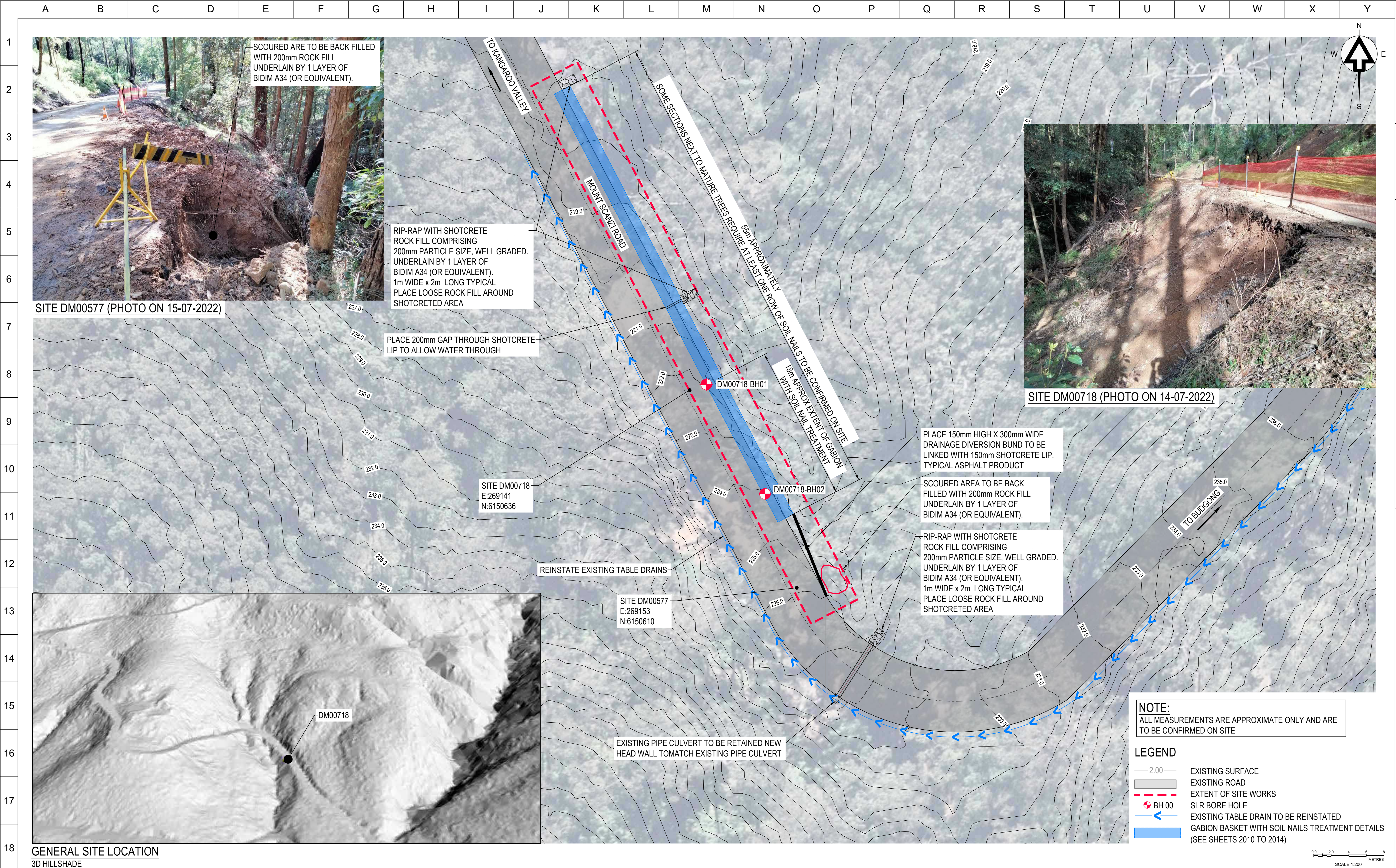
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y							
1	2	DEFINITIONS										24. OBTAIN NECESSARY PERMITS AND APPROVALS TO WORK ON SITE. NOTIFY RELEVANT SERVICE AUTHORITIES BEFORE COMMENCING WORK ON SITE.										53. GENERAL WASTE (RUBBISH) IS NOT TO BE ALLOWED TO LIE OR ACCUMULATE ON THE SITE. KEEP ALL DOCKETS/RECEIPTS FOR WATE MANAGEMENT/DISPOSAL AND FORWARD COPIES TO THE PRINCIPAL'S REPRESENTATIVE.											
		1. PRINCIPAL - THE PRINCIPAL IS IDENTIFIED AS SHOALHAVEN CITY COUNCIL.										25. SERVICES ARE TO BE LOCATED ON SITE PRIOR TO CONSTRUCTION COMMENCING.										54. ONLY VIRGIN EXCAVATED NATURAL MATERIAL (VENM) CAN BE IMPORTED ON SITE UNLESS APPROPRIATE TESTING AND DOCUMENTATION IS PROVIDED.											
		2. GEOTECHNICAL DESIGN REPRESENTATIVE - SUITABLY QUALIFIED GEOTECHNICAL ENGINEER APPOINTED BY THE PRINCIPAL TO PROVIDE ON-SITE VERIFICATION OF THE CONSTRUCTION.										26. DURING CONSTRUCTION STRUCTURES SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERLOADED. TEMPORARY SUPPORTS SHALL BE PROVIDED BY THE BUILDER IN ORDER TO KEEP THE WORKS AND ANY EXCAVATIONS STABLE AT ALL TIMES.										55. KEEP ALL DOCUMENTS/RECORDS OF THE TRANSPORT AND USE OF ATERIAL IMPORTED ONTO SITE AND FORWARD COPIES TO THE PRINCIPAL'S REPRESENTATIVE.											
		3. CONTRACTOR - THE ENTITY UNDERTAKING THE CONSTRUCTION.										27. PROVIDE SAFETY BARRIERS AT EDGES OF OPENINGS AND ELEVATED AREAS. ENSURE WORKERS ARE APPROPRIATELY RESTRAINED/ TETHERED/ HARNESSD DURING WORKS WHERE THE LIKELIHOOD AND CONSEQUENCE OF A FALL IS REASONABLY SIGNIFICANT.										TRAFFIC CONTROL											
		4. UNO - UNLESS NOTED OTHERWISE.										28. REVIEW ADEQUACY OF WORKING SPACE AVAILABLE FOR CONSTRUCTION ACTIVITIES. ENSURE SEPARATION OF PLANT AND PERSONNEL ON SITE, INCLUDING MOVEMENTS OF BOTH.										56. ESTABLISH TRAFFIC CONTROL (IF REQUIRED) AT PROJECT BOUNDARIES IN ACCORDANCE WITH AN APPROPRIATE TRAFFIC CONTROL PLAN APPROVED BY THE PRINCIPAL.											
		GENERAL NOTES										29. LOCATE LIFTING SLEW AND LAY DOWN AREAS AWAY FROM REGULAR CONSTRUCTION TRAFFIC.										57. CONSTRUCTION WARNING SIGNS AND TRAFFIC SPEED SIGNS TO BE ESTABLISHED IN GENERAL ACCORDANCE WITH TRAFFIC CONTROL PLAN APPROVED BY THE PRINCIPAL.											
		5. THE GEOLOGICAL PROFILE AND GEOTECHNICAL CONDITIONS SHOWN ON THE DRAWINGS ARE INDICATIVE AND HAVE BEEN INFERRED FROM LIMITED INVESTIGATIONS. SHOULD THE ENCOUNTERED GEOLOGICAL PROFILE DIFFER FROM THAT SHOWN, THE DESIGN SHALL BE REVIEWED TO ENSURE SUITABILITY OF THE DESIGN TO ENCOUNTERED CONDITIONS.										30. WRITTEN RISK ASSESSMENTS ARE ADVISED FOR ACCESS TO OPEN EXCAVATIONS.										58. A WASTE CLASSIFICATION HAS NOT BEEN CARRIED OUT FOR THIS SITE. HOWEVER, IF POTENTIAL CONTAMINANTS ARE DISCOVERED DURING WORKS A WASTE CLASSIFICATION MUST BE CARRIED OUT BY THE CONTRACTOR, IN ACCORDANCE WITH REGULATORY REQUIREMENTS.											
		6. PRIOR TO CONSTRUCTION SITE SET-UP, THE CONTRACTOR SHALL SUBMIT THE FOLLOWING TO THE PRINCIPAL FOR REVIEW.										31. PROVIDE ACCESS AND EGRESS TO EXCAVATIONS APPROPRIATE IN CASE OF INUNDATION, COLLAPSE OR ENGULFMENT.										EARTHWORKS											
		A. ALL SAFE WORK METHOD STATEMENTS AND PLANS										32. SEEK ADVICE FROM SUITABLY QUALIFIED GEOTECHNICAL OR STRUCTURAL ENGINEER PRIOR TO OPERATION OF HEAVY SURFACE PLANT AND EQUIPMENT OR STOCKPILING MATERIAL NEAR OPEN EXCAVATIONS OR EXISTING RETAINING STRUCTURES.										59. STRIP OFF ALL VEGETATION, RUBBISH AND TOPSOIL CONTAINING ORGANIC OR ROOT MATTER FROM THE AREA OF THE WORKS AND REMOVE FROM SITE/ STOCKPILE FOR RE-USE.											
		B. CONSTRUCTION STAGING PLANS										33. SEEK ADVICE FROM SUITABLY QUALIFIED GEOTECHNICAL FOR ALL TEMPORARY BATTERS.										60. WHERE REQUIRED, EXCAVATE SITE TO THE EXTENT DETAILED IN THE DETAILED SECTION DRAWING.											
		C. CONSTRUCTION PROGRAM										34. SEEK ADVICE FROM SUITABLY QUALIFIED STRUCTURAL ENGINEER BEFORE CORING, CHASING, CUTTING OR REMOVAL OF EXISTING CONCRETE AND REINFORCEMENT.										61. FOR EACH SITE, THE FOUNDATION LEVEL WILL VARY DEPENDING ON GROUND CONDITIONS ENCOUNTERED ON THE SITE AND SHALL BE CONFIRMED ON SITE BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER.											
		D. CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN (CEMP)										35. MAKE WORK AREAS SAFE WHERE STRUCTURAL ELEMENTS ARE DAMAGED, CRACKED OR HAVE SUFFERED SIGNIFICANT SECTION LOSS BEFORE ALLOWING GENERAL CONSTRUCTION OR REPAIR ACCESS.										62. PRIOR TO ANY FILLING, THE EXPOSED SUBGRADE SHALL BE PROOF ROLLED WITH A 12 TONNE STATIC MASS SMOOTH DRUM ROLLER IN THE PRESENCE OF THE PRINCIPAL'S REPRESENTATIVE OR GEOTECHNICAL ENGINEER AND ANY SOFT OR YIELDING MATERIALS REMOVED AND REPLACED WITH APPROVED FILLING COMPACTED AS HEREFTER SPECIFIED.											
		E. PROJECT QUALITY PLAN										36. REPORT SIGNIFICANT SECTION LOSS OR CORROSION FLAKING BEFORE STARTING PAINTING OR REPAIRS. CONSULT SUITABLY QUALIFIED STRUCTURAL ENGINEER IF SECTION LOSS OR EXTENSIVE CORROSION FLAKING PRESENT BEFORE PROCEEDING WITH WORK.										63. IMPORTING FILL MATERIAL TO SITE: SEE NOTE NO. 54.											
		APPROVAL OF THE DOCUMENTATION BY THE PRINCIPAL SHALL CONSTITUTE A HOLD POINT.										37. UNTIL PERMANENT SUPPORT IS PROVIDED, PROVIDE TEMPORARY SUPPORT FOR SECTIONS OF EXISTING STRUCTURES WHICH ARE TO BE ALTERED AND WHICH NORMALLY RELY FOR SUPPORT ON WORK TO BE DEMOLISHED.										64. FILL SHALL BE SOUND WELL GRADED MATERIAL WITH A HIGH GRANULAR CONTENT AND SHALL BE THE BEST OF EXCAVATED MATERIALS FROM THE SITE, OR APPROVED SOUND IMPORTED MATERIAL FREE OF RUBBISH, PLASTIC CLAY OR LARGE PIECES THAT WOULD PRECLUDE COMPACTION.											
		7. SITE TO BE RETURNED TO ORIGINAL CONDITION OR BETTER AT THE COMPLETION OF THE WORKS										38. PROVIDE SUPPORT TO ADJACENT STRUCTURES WHERE NECESSARY, SUFFICIENT TO PREVENT DAMAGE RESULTING FROM THE WORKS.										65. FILL SHALL BE SPREAD IN LAYERS NOT EXCEEDING 150mm AND COMPACTED AT OPTIMUM MOISTURE CONTENT ±2% TO NOT LESS THAN THE REQUIRED MAXIMUM DRY DENSITY.											
		8. NOMINATION OF PROPRIETARY ITEMS DOES NOT INDICATE EXCLUSIVE PREFERENCE BUT INDICATES THE REQUIRED PROPERTIES OF THE ITEM. SIMILAR ALTERNATIVES HAVING THE REQUIRED PROPERTIES MAY BE OFFERED FOR APPROVAL BY THE DESIGN REPRESENTATIVE.										39. LATERAL SUPPORTS: PROVIDE LATERAL SUPPORT AT LEAST EQUAL TO THAT GIVEN BY THE STRUCTURE TO BE DEMOLISHED, USING SHORING.										66. DENSITY TESTING OF FILLING (AND BASE COURSE WHERE APPLICABLE) SHALL BE CARRIED OUT AT THE RATE OF 1 TEST PER 200 SQUARE METRES EACH LAYER (MINIMUM 2 TESTS).											
		9. DIMENSIONS ARE IN MILLIMETRES, LEVELS ARE IN METRES UNO, CHAINAGES ARE IN METRES UNO. REDUCED LEVELS RELATE TO AUSTRALIAN HEIGHT DATUM.										40. VERTICAL SUPPORTS: PROVIDE SUPPORT WHERE NECESSARY USING PILING OR UNDERPINNING, OR BOTH.										67. WHERE REQUIRED, THE FOUNDATION LAYER SHALL BE, DRY, SMOOTH, LEVEL AND GRADED TO THE PROFILE AS SHOWN IN THE DETAILED DRAWING. IT SHALL BE FREE OF SURFACE IRREGULARITIES, LOOSE OR UNSTUITABLE MATERIAL.											
		2	3	10. ALL DIMENSIONS AND SETTING OUT SHALL BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCING WORK. HAVE SURVEY AND SETTING OUT UNDERTAKEN BY A REGISTERED SURVEYOR. ALL DIMENSIONS DO NOT OBTAIN DIMENSIONS BY SCALING OF THE DRAWINGS.										ENVIRONMENTAL SITE MANAGEMENT										68. WHERE REQUIRED, A BLINDNG LAYER TO INFILL VOIDS, UNEVEN GROUND AND CAVITIES AT FOUNDATION LEVEL TO BE CREATED WITH SITE WON GRANULAR SOILS AND ROCKFILL TO CREATE A SMOOTH, EVEN, STABLE WORKING PLATFORM. GRANULAR BLINDING MATERIAL SHALL COMPRISE OF GRANULAR, SITE WON SOIL FREE OF UNSTUITABLE MATERIAL AND SHALL BE COMPACTED USING MANUAL TECHNIQUES (E.G., HAND TAMPING, WALK-BEHIND COMPACTOR) TO MINIMUM RELATIVE DENSITY OF 70%.									
11. VERIFY ON SITE SETTING OUT DIMENSIONS AND EXISTING MEMBER SIZES SHOWN ON DRAWINGS BEFORE SHOP DRAWINGS, CONSTRUCTION AND FABRICATION IS COMMENCED.										41. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL MEASURES ARE TAKEN DURING THE COURSE OF CONSTRUCTION TO PREVENT SEDIMENT EROSION AND POLLUTION OF THE DOWNSTREAM SYSTEM.										69. THE CONTRACTOR SHALL PROGRAM AND UNDERTAKE THE EARTHWORKS OPERATIONS SUCH THAT WORKING AREAS ARE ADEQUATELY DRAINED DURING CONSTRUCTION. THE SURFACE SHALL BE GRADED AND SEALED OFF TO REMOVE DEPRESSIONS WHICH WOULD ALLOW WATER TO POND AND PENETRATE THE UNDERLYING MATERIAL. ANY DAMAGE RESULTING FROM FAILURE TO COMPLY WITH THESE REQUIREMENTS SHALL BE RECTIFIED AT THE CONTRACTOR'S EXPENSE.													
12. REFER DISCREPANCIES TO THE PRINCIPAL BEFORE PROCEEDING WITH WORK.										42. TEMPORARY EROSION AND SEDIMENT CONTROL (ESC) MEASURES SHALL BE PROVIDED IN ACCORDANCE WITH INTERNATIONAL EROSION CONTROL ASSOCIATION (IECA) BEST PRACTICE EROSION AND SEDIMENT CONTROL GUIDELINES (2008) AND BE MAINTAINED IN OPERATIVE CONDITION AT ALL TIMES AND SHALL REMAIN IN PLACE FOR THE DURATION OF THE WORK.										70. HAVE TESTING PERFORMED BY AN INDEPENDENT NATA (NATIONAL ASSOCIATION OF TESTING AUTHORITIES) ACCREDITED AUTHORITY AND PROVIDE TEST REPORTS TO THE PRINCIPAL. THE CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH COMPLIANCE TESTING.													
13. WORKMANSHIP AND MATERIALS TO COMPLY WITH REQUIREMENTS OF AUSTRALIAN STANDARDS, NATIONAL CONSTRUCTION CODE (NCC) AND BY-LAWS AND ORDINANCES OF RELEVANT BUILDING AUTHORITIES. ALL STANDARDS REFERRED TO ARE THOSE CURRENT (AS AMENDED) AT COMMENCEMENT OF CONTRACT.										43. SEDIMENT AND EROSION CONTROLS MUST BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS OR DEMOLITION ACTIVITY. THE LOCATION OF SUCH DEVICES IS GENERALLY AT THE END OF THE DIRECTION OF FLOW BEFORE REACHING THE DOWNSTEAM SYSTEM. FINAL POSITION SHALL BE DETERMINED ON SITE.																							
14. WHERE NEW WORK ABUTS EXISTING, PROVIDE SMOOTH TRANSITION FREE OF ABRUPT CHANGES.										44. INSTALL TEMPORARY SEDIMENT BARRIERS TO ALL INLET PITS LIKELY TO COLLECT SILT LADEN WATER UNTIL SURROUNDING AREAS ARE PAVED OR REVEGETATED.																							
15. PROTECT EXISTING STRUCTURES FROM DAMAGE OR CRACKING. MAKE GOOD ANY DAMAGE TO EXISTING ELEMENTS AT COMPLETION OF WORKS.										45. ALL SILT FENCES AND BARRIERS ARE TO BE MAINTAINED IN GOOD ORDER AND REGULARLY DESILTED DURING THE CONSTRUCTION PERIOD.																							
16. IMPLEMENT SOIL AND WATER MANAGEMENT PROCEDURES TO AVOID EROSION, CONTAMINATION AND SEDIMENTATION OF SITE, SURROUNDING AREAS AND DRAINAGE SYSTEMS.										46. STOCKPILES OF LOOSE MATERIALS SUCH AS SAND, SOIL AND GRAVEL MUST BE COVERED WITH GEOTEXTILE. PLASTIC SHEETING OR MEMBRANE MUST NOT BE USED. SAFETY BARRICADING SHALL BE USED TO ISOLATE STOCKPILES OF SOLID MATERIALS SUCH AS STEEL REINFORCING. SEDIMENT FENCE IS TO BE PLACED DOWNSLOPE OF ALL STOCKPILES.																							
17. DISPOSE OF SURPLUS MATERIAL OFF SITE IN ACCORDANCE WITH LOCAL AUTHORITY WASTE REGULATIONS.										47. ANY WASTE GENERATED, INCLUDING EXCAVATED MATERIALS, SHALL BE REMOVED FROM THE SITE AND DISPOSED OF APPROPRIATELY, ACCORDING TO THE WASTE CLASSIFICATION. GENERAL WASTE (RUBBISH) IS NOT TO BE ALLOWED TO LIE OR ACCUMULATE ON THE SITE. KEEP ALL DOCKETS/RECEIPTS FOR WASTE MANAGEMENT/DISPOSAL AND FORWARD COPIES TO THE PRINCIPAL'S REPRESENTATIVE.																							
18. TEMPORARY WORKS AND CONSTRUCTION METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR.										48. ALL VEHICLES LEAVING THE SITE MUST HAVE CLAY AND SOIL SHAKEN OFF AS PRACTICALLY AS POSSIBLE.																							
19. GIVE TWO WORKING DAYS (48 HOURS) NOTICE SO THAT INSPECTION OF CRITICAL STAGES OF WORK (INCLUDING HOLD POINTS AND WITNESS POINTS) MAY BE MADE.										49. TRUCKS REMOVING EXCAVATED/DEMOLISHED MATERIAL SHALL TRAVEL ON STABILISED CONSTRUCTION PATHS. MATERIAL ARE TO BE TAKEN TO THE TRUCKS TO REDUCE TRUCK MOVEMENTS ON SITE. TRUCKS TO BE LIMITED TO SINGLE UNIT HEAVY RIGID VEHICLES (NO SEMI TRAILERS).																							
20. INSPECTIONS AND REVIEWS UNDERTAKEN BY THE PRINCIPAL OR OTHERS DO NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR COMPLIANCE WITH THE DRAWINGS OR SPECIFICATIONS.										50. DURING TRENCH EXCAVATION ALL SPOIL SHALL BE MOUNDED ON THE UPHILL SIDE OF TRENCHES AND PLACEMENT IS TO COMPLY WITH THE PRINCIPAL'S REQUIREMENT.																							
21. AT THE COMPLETION OF THE WORKS, THE CONTRACTOR SHALL PREPARE AND SUBMIT A 'HANDOVER' PACKAGE TO THE PRINCIPAL FOR APPROVAL. THE PACKAGE SHALL INCLUDE AT A MINIMUM:										WASTE AND CONTAMINATION																							
A. DRILLING RECORDS																																	
B. RFCS, NCR'S, CERTIFICATES AND OTHER FORMS AS NOMINATED BY THE PRINCIPAL.																																	
C. APPROVAL OF THE HANDOVER PACKAGE BY THE PRINCIPAL SHALL CONSTITUTE A HOLD POINT.																																	
3	4			SAFETY IN DESIGN																													
				22. THE SAFETY RISK MITIGATION ITEMS BELOW ARE BASED ON SLR'S DESIGN EXPERIENCE AND DO NOT NECESSARILY ACCOUNT FOR ALL CONSTRUCTION, OPERATION, MAINTENANCE AND DEMOLITION SAFETY RISKS. BASED ON INFORMATION AVAILABLE WHEN THIS DRAWING WAS MADE, IN ITS CAPACITY AS DESIGNER ONLY, SLR HAS TRIED TO IDENTIFY SAFETY RISKS PERTAINING TO CONSTRUCTION, OPERATION, MAINTENANCE AND DEMOLITION PHASES OF THE ASSET. INCLUSION (OR NOT) OF ANY ITEM DOES NOT REDUCE OR LIMIT OBLIGATIONS OF CONSTRUCTOR, USER, MAINTAINER AND DEMOLISHER TO UNDERTAKE APPROPRIATE RISK MANAGEMENT ACTIVITIES TO REDUCE RISK AND IS NOT AN ADMISSION BY SLR THAT INCLUSION OF ANY ITEM IS DESIGNER'S RESPONSIBILITY.																													
				23. CARRY OUT WORK IN A SAFE MANNER IN ACCORDANCE WITH APPLICABLE LEGISLATION, STATUTORY REGULATIONS, BY-LAWS OR RULES. CONTRACTOR IS RESPONSIBLE FOR OCCUPATIONAL HEALTH AND SAFETY OF SITE PERSONNEL AND GENERAL PUBLIC IN ACCORDANCE WITH ALL CURRENT WORK HEALTH AND SAFETY ACTS, LEGISLATIVE REQUIREMENTS, ASSOCIATED REGULATIONS AND CODES OF PRACTICE, INDUSTRIAL AGREEMENTS AND ACCEPTED INDUSTRY PRACTICE.																													
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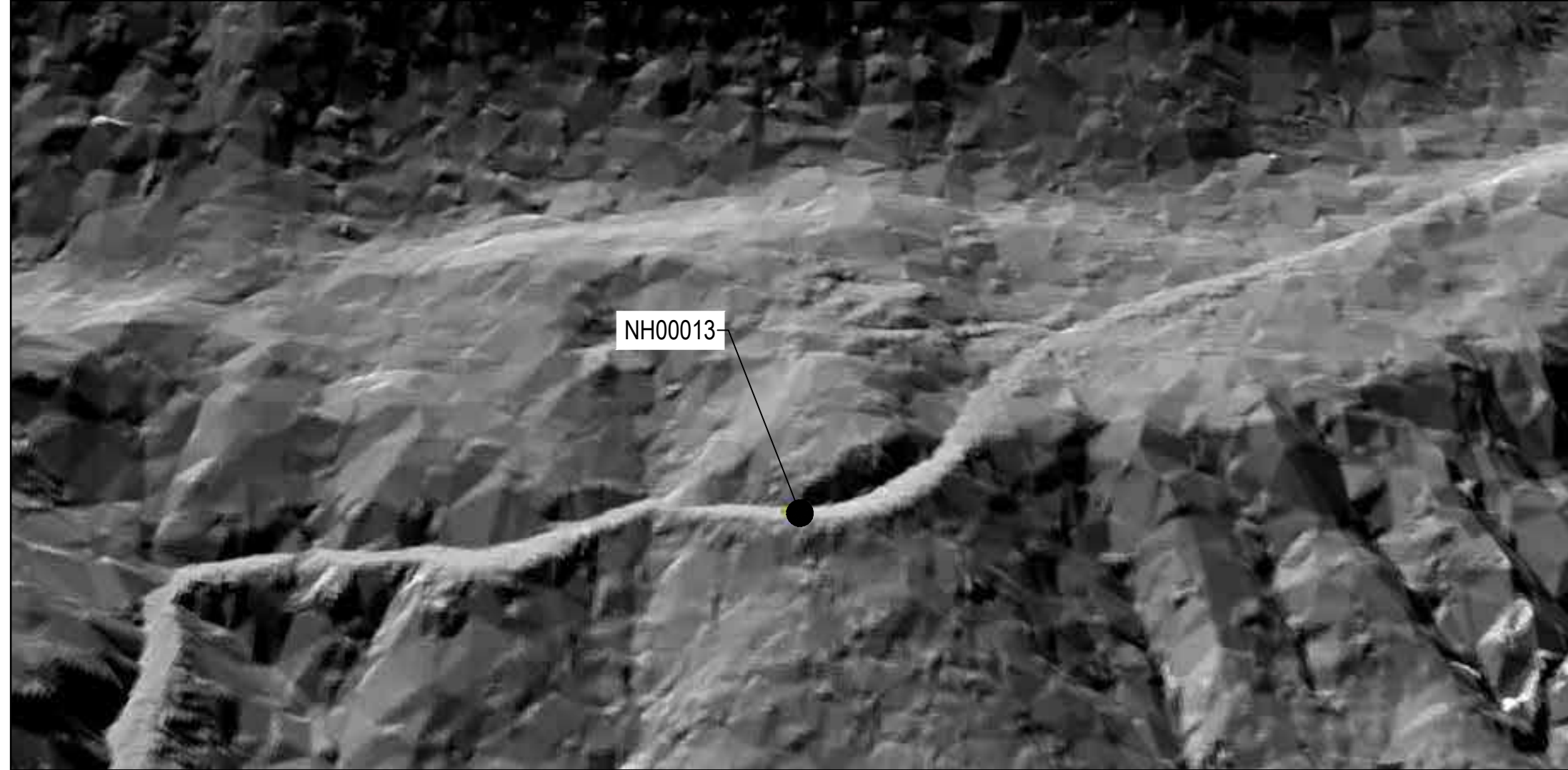
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	CONSULTANT PROJECT 660.30255 FULL SIZE ON ORIGINAL 0 10 20 40 60 80 100 A1					
1		GROUT REQUIREMENTS										SAFETY BARRIERS										D. INSPECTION & APPROVAL OF STEEL SURFACES PRIOR TO PAINTING AND PROTECTIVE COATINGS.										
		152. GROUTS MUST HAVE HIGH BLEED RESISTANCE, LOW SHRINKAGE AND HIGH FLUIDITY. DO NOT USE ADDITIVES OR ADMIXTURES WITHOUT THE APPROVAL OF THE PRINCIPAL.										177. RAIL AND RAIL STIFFENING PIECES ARE FROM 2.7 OR 3.5 BMT GRADE HA350 STEEL TO AS 1594 AND HOT DIP GALVANISED TO AS 4680 AFTER FABRICATION. FLAME CUTTING TO RAIL IS NOT PERMITTED. RAIL TO BE STAMPED 350/2.7 BMT (OR SIMILAR).										E. REVIEW & RELEASE OF METHODOLOGY FOR INSTALLATION AND ERECTION.										
2		153. MINIMUM COMPRESSIVE STRENGTH OF GROUT MUST BE 40MPA AT 28 DAYS.										178. RAIL 2.7BMT CAN BE SUPPLIED CURVED TO A MINIMUM RADIUS OF 5000. RAIL 3.5BMT CAN BE SUPPLIED CURVED TO A MINIMUM RADIUS OF 6000.										F. INSPECTION OF ERECTED STEEL WORK PRIOR TO ANY COVERINGS.										
		154. GROUT FLUIDITY, BLEED AND COMPRESSIVE STRENGTH TESTING TO BE IN ACCORDANCE WITH TFNSW R64 CLAUSE 3.4.3										179. POSTS AND BLOCKOUT PIECES ARE FROM 4.3 BMT PLATE GRADE HA300 STEEL TO AS 1594 AND HOT DIP GALVANISED TO AS 4680 AFTER FABRICATION.										194. SOIL NAILS AND SHOTCRETE FACING										
3		SOIL NAIL TESTING PROCEDURE										180. BMT = BASE METAL THICKNESS.										A. REVIEW & RELEASE OF MATERIAL CERTIFICATES (TFNSW R64 CL. 2.1).										
		155. NAIL TESTING TO BE CONDUCTED IN ACCORDANCE WITH TFNSW R64.										181. STEEL BASE PLATE AND BOTTOM PLATE ARE TO AS 3678, GRADE HD250. POSTS TO BE WELDED TO BASE PLATE. POSTS AND PLATES HOT DIP GALVANISED TO AS 4680 AFTER FABRICATION										B. REVIEW & RELEASE OF GROUT AND SHOTCRETE MIX, INCLUDING TEST RESULTS (TFNSW R64 CL. 2.2.7 & TFNSW R68 CL. 3.8.1).										
4		156. CONTRACTOR TO CONFIGURE TEST NAILS (INCLUDING NAIL DIAMETER AND BEARING PLATE) TO ENSURE 200% OF THE WORKING BOND STRESS CAN BE ACHIEVED PRIOR TO 80% OF THE BAR YIELD LOAD.										182. HEXAGON BOLTS TO AS 1111 (GRADE 4.6). HEXAGON NUTS TO AS 1112 (GRADE 5). NUTS SHALL BE TAPPED TO SUIT GALVANISED THREADS. BLACK STEEL WASHERS, LARGE SERIES TO AS 1237. BOLTS, NUTS AND WASHERS SHALL BE HOT DIP GALVANISED IN ACCORDANCE WITH THE REQUIREMENTS OF AS 1214.										C. REVIEW & RELEASE OF CONSTRUCTION METHOD STATEMENT (TFNSW R64 3.1).										
		157. SUITABILITY TESTING ARE TO BE COMPLETED PRIOR TO INSTALLATION OF PRODUCTION NAILS.										183. NUTS SHALL BE SNUG TIGHT TO AS 4100.										D. INSPECTION & APPROVAL OF EXTENT OF WORKS AND SET-OUT OF NAIL LOCATIONS.										
5		158. A TOTAL OF 3% OF PERMANENT NAILS SHALL BE SUBJECTED TO ACCEPTANCE TESTS .										184. TERMINAL CONNECTORS ARE FROM 2.7 BMT GRADE HA350 STEEL TO AS 1594 AND HOT DIP GALVANISED TO AS 4680 AFTER FABRICATION.										E. WITNESS OF INSTALLATION OF PRODUCTION NAILS (TFNSW R64 CL. 3.4).										
		159. LOCATIONS OF THE SUITABILITY AND ACCEPTANCE TEST SOIL NAILS TO BE CONFIRMED ON SITE.										185. DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE NOMINATED. TRAFFIC BARRIERS SHOULD SATISFY R132.										F. WITNESS OF EXPOSED SLOPE FACE AFTER CLEARING OF EACH SECTION (TFNSW R64 CL. 3.3).										
6		SHOTCRETE										HOLD POINTS, WITNESS POINTS AND APPROVALS										G. INSPECTION & APPROVAL OF GROUTING OF NAILS (R64 CL 3. 4. 3. 4).										
		160. SHOTCRETE TO BE IN ACCORDANCE WITH TFNSW R68.										186. A SUITABLY QUALIFIED GEOETCHNICAL ENGINEER TO BE PRESENT ON SITE DURING CONSTRUCTION. GROUND CONDITIONS AND DESIGN ASSUMPTIONS SHALL BE VALIDATED DURING CONSTRUCTION.										H. REVIEW & APPROVAL OF SUITABILITY TEST RECORD (TFNSW R64 CL. 5.2.1).										
7		161. MINIMUM COMPRESSIVE STRENGTH OF SHOTCRETE MUST BE 40MPA AT 28 DAYS. USE SHRINKAGE LIMITED CEMENT IN SHOTCRETE IN ACCORDANCE WITH SPECIFICATION TFNSW R68 AND TFNSW QA3211.										187. THE CONTRACTOR SHALL PROVIDE TO THE PRINCIPAL'S REPRESENTATIVE A MINIMUM OF 2 WORKING DAYS' NOTICE FOR ANY INSPECTION AND 7 DAYS FOR ANY REVIEWS OF SHOP DRAWINGS AND ALTERNATIVE DESIGNS.										I. REVIEW & APPROVAL OF TEST RESULTS FOR ACCEPTANCE TEST NAILS (TFNSW R64 CL. 5.2.2).										
		162. SHOTCRETE MIX DESIGN TO EXPOSURE CLASSIFICATION B:2 IN ACCORDANCE WITH TFNSW R64 CLAUSE 2.3.3.										188. THE GENERAL AND PROJECT START UP MANDATORY HOLD POINTS ARE:										J. INSPECTION & APPROVAL OF SURFACE PREPARATION FOR MESH PLACEMENT AND SHOTCRETING TFNSW R64 CL. 6.2 & TFNSW R68 CL. 4.2).										
8		163. SHOTCRETE QUALITY TESTING IN ACCORDANCE WITH TFNSW R68 CLAUSE 8.5 AND ANNEXURE R68/L.										A. REVIEW & RELEASE OF WHS PLAN, INCLUDING SWMS.										K. WITNESS OF SHOTCRETE MESH PLACEMENT AND WALL DRAINAGE (R68 CL. 5.5 AND CL. 5.6).										
		164. APPROPRIATE THICKNESS GAUGES SHALL BE FIXED TO THE STEELWORKS TO ALLOW PROOF OF ADEQUATE COVER.										B. REVIEW & RELEASE OF CONSTRUCTION STAGING PLANS.										L. WITNESS OF SHOTCRETE PLACEMENT (TFNSW R68 CL. 7).										
9		FIBRECRETE										C. REVIEW & RELEASE OF CONSTRUCTION PROGRAM.										M. REVIEW & APPROVAL OF SHOTCRETE TEST RESULTS (R68 CL 8.5).										
		165. FIBRECRETE TO BE IN ACCORDANCE WITH TFNSW B82.										D. REVIEW & RELEASE OF CONSTRUCTION ENVIRONMENTAL SITE MANAGEMENT PLAN (CEMP).																				
10		166. MINIMUM COMPRESSIVE STRENGTH OF FIBRECRETE MUST BE 40MPA AT 28 DAYS. USE SHRINKAGE LIMITED CEMENT IN FIBRECRETE IN ACCORDANCE WITH SPECIFICATION TFNSW B82 AND TFNSW QA3211.										E. REVIEW & RELEASE OF PROJECT QUALITY PLAN (INCLUDING ITP'S)																				
		167. FIBRECRETE MIX DESIGN TO EXPOSURE CLASSIFICATION B:2 IN ACCORDANCE WITH TFNSW R64 CLAUSE 2.3.3.										189. DEMOLITION (AS REQUIRED)																				
11		168. SHOTCRETE QUALITY TESTING IN ACCORDANCE WITH TFNSW B82.										A. REVIEW & RELEASE OF METHODOLOGY FOR DEMOLITION.																				
		169. APPROPRIATE THICKNESS GAUGES SHALL BE FIXED TO THE STEELWORKS TO ALLOW PROOF OF ADEQUATE COVER.										B. WITNESS PRIOR TO COMMENCEMENT OF DEMOLITION.																				
12		DRAINAGE (SOIL NAILING)										C. PROVISION OF ANY LICENSES AND AUTHORITY APPROVALS.																				
		170. 150mm HDPE STRIP FILTER DRAIN (FLEXIBLE CUSPATED DRAINS) TO BE IN ACCORDANCE WITH TFNSW QA3557.										190. SURVEY AND SET OUT																				
13		171. BOTTOM OF THE STRIP DRAINS DAYLIGHT AT BOTTOM OF SHOTCRETE WALL FACING.										191. EXCAVATION AND EARTHWORKS																				
		172. HDPE STRIP DRAIN TO BE CORRUGATED CORE PERFORATED AND MUST BE INSTALLED DIAGONALLY ACROSS SLOPE FACE AT 45°.										A. REVIEW & RELEASE OF METHODOLOGY FOR EXCAVATION, SHORING AND FILLING.																				
14		173. STRIP DRAINS MUST BE CHASED INTO SOIL SLOPE TO ALLOW FULL SHOTCRETE THICKNESS AT ALL LOCATIONS.										B. REVIEW & RELEASE OF IMPORTED FILL MATERIAL.																				
		174. WHERE CONNECTION IS TO BE MADE TO AN EXISTING DRAINAGE STRUCTURE OR OPEN DRAIN THE POSITION AND LEVEL OF EXISTING DRAINAGE STRUCTURE SHALL BE CONFIRMED PRIOR TO CONSTRUCTION. BLEND CONNECTIONS SMOOTHLY TO ENSURE PROPER DRAINAGE AT ALL POINTS.										i. PROVIDE EVIDENCE OF SERVICE LOCATION, PRIOR TO ANY EXCAVATION, AND COMPLY TO THE PRINCIPAL'S EXCAVATION PERMIT REQUIREMENTS.																				
15		SPECIFICATIONS (SOIL NAILING)										ii. DENSITY TEST RESULTS OF FILLED AND COMPACTED MATERIAL.																				
		175. ALL SOIL NAILING MATERIALS AND WORK IS TO COMPLY WITH THE FOLLOWING TFNSW PROJECT SPECIFIC SPECIFICATIONS:										C. WTINESS BEARING CAPACITY OF EXCAVATIONS PRIOR TO POURING OF ANY FOUNDATIONS BY GEOTECHNICAL ENGINEER.																				
16		A. R64 SOIL NAILING										192. CONCRETE																				
		B. R68 SHOTCRETE WITHOUT FIBRES										A. REVIEW & RELEASE OF CONCRETE MIX DESIGN. THIS INCLUDES ASSESSMENT OF SLUMP TEST RESULTS ON CONCRETE DELIVERY.																				
17		C. B82 SHOTCRETE WITH FIBRES										B. REVIEW & RELEASE OF CONCRETE SURFACES (AND REINFORCEMENT CONDITION) FOLLOWING DEMOLITION, SCABBLING, CUTTING AND SAWING.																				
		D. R178 REVEGETATION										C. WITNESS OF COMPLETED REINFORCEMENT FIXED IN PLACE.																				
18		176. ALL SOIL NAILING MATERIALS AND WORK IS TO COMPLY WITH THE FOLLOWING TFNSW QA STANDARD SPECIFICATIONS:										D. WITNESS OF COMPLETED FORMWORK.																				
		A. R23 PLASTIC FLEXIBLE PIPES										E. REVIEW & APPROVAL OF CONCRETE TEST RESULTS.																				
		B. R53 CONCRETE FOR GENERAL USE MORTAR AND GROUT										F. WITNESS PRIOR TO POURING CONCRETE.																				
		C. R55 ROCK FILLED GABIONS AND MATTRESSES										193. STRUCTURAL STEEL AND OTHER METALS																				
		D. R63 GEOTEXTILES										A. SHOP DETAILS FOR REVIEW AND COMMENT.																				
		E. R71 UNBOUND AND MODIFIED PAVEMENT COURSE										B. INSPECTION & APPROVAL OF FABRICATED ELEMENTS PRIOR TO DELIVERY.																				
		F. 3557 FLEXIBLE STRIP FILTER DRAINS										C. WELD TESTING RESULTS, PRIOR TO DELIVERY.																				
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								THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ENDORSED BELOW				DESIGN: MB/DT	DATE: 19.10.2022			PROJECT: LANDSLIDE REMEDIATION DESIGN OF VARIOUS SITES																
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								Responsible Principal Signature				Date	DES. CHECK: DT				DATE: 25.10.2022	DO NOT SCALE THIS DRAWING IF IN DOUBT ASK														
		1	24.02.2023	ISSUED FOR CONSTRUCTION				DT								SCALE: N/A				DRAWING NUMBER: 660.30255-G-1004				ISSUE 1								
			DATE	DESCRIPTION																												



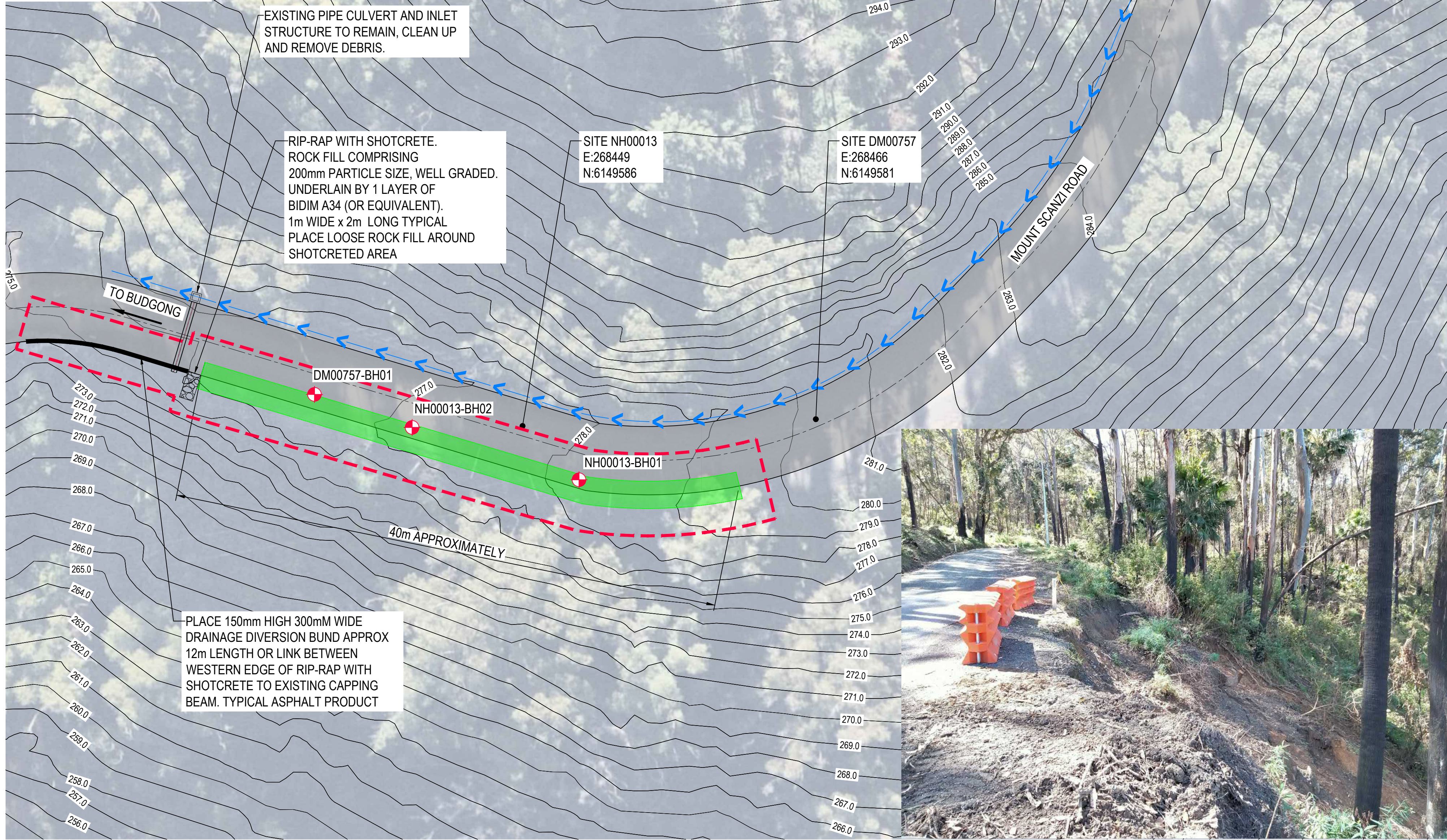
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			PROJECT: LANDSLIDE REMEDIATION DESIGN OF VARIOUS SITES													
			DRAWING TITLE: SITE DM00533 GENERAL ARRANGEMENT LAYOUT PLAN													
			FOR CONSTRUCTION													
		1	24.02.2023	ISSUED FOR CONSTRUCTION	MB	THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ENDORSED BELOW	Responsible Principal Signature	Date	DRG. CHECK:	MB		DATE:	24.10.2022	A1	DO NOT SCALE THIS DRAWING IF IN DOUBT ASK	SCALE:
		DATE	DESCRIPTION						DES. CHECK:	DT	DATE:	25.10.2022		1:200	660.30255-G-1160	1



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													CLIENT: SHOALHAVEN CITY COUNCIL
													PROJECT: LANDSLIDE REMEDIATION DESIGN OF VARIOUS SITES
													DRAWING TITLE: SITES DM00577 & DM00718 GENERAL ARRANGEMENT LAYOUT PLAN
			1	24.02.2023	ISSUED FOR CONSTRUCTION	DT							
	DATE	DESCRIPTION											



GENERAL SITE LOCATION
3D HILLSHADE



SITE DM00757 (PHOTO ON 16-09-2022)



SITE NH00013 (PHOTO ON 14-07-2022)



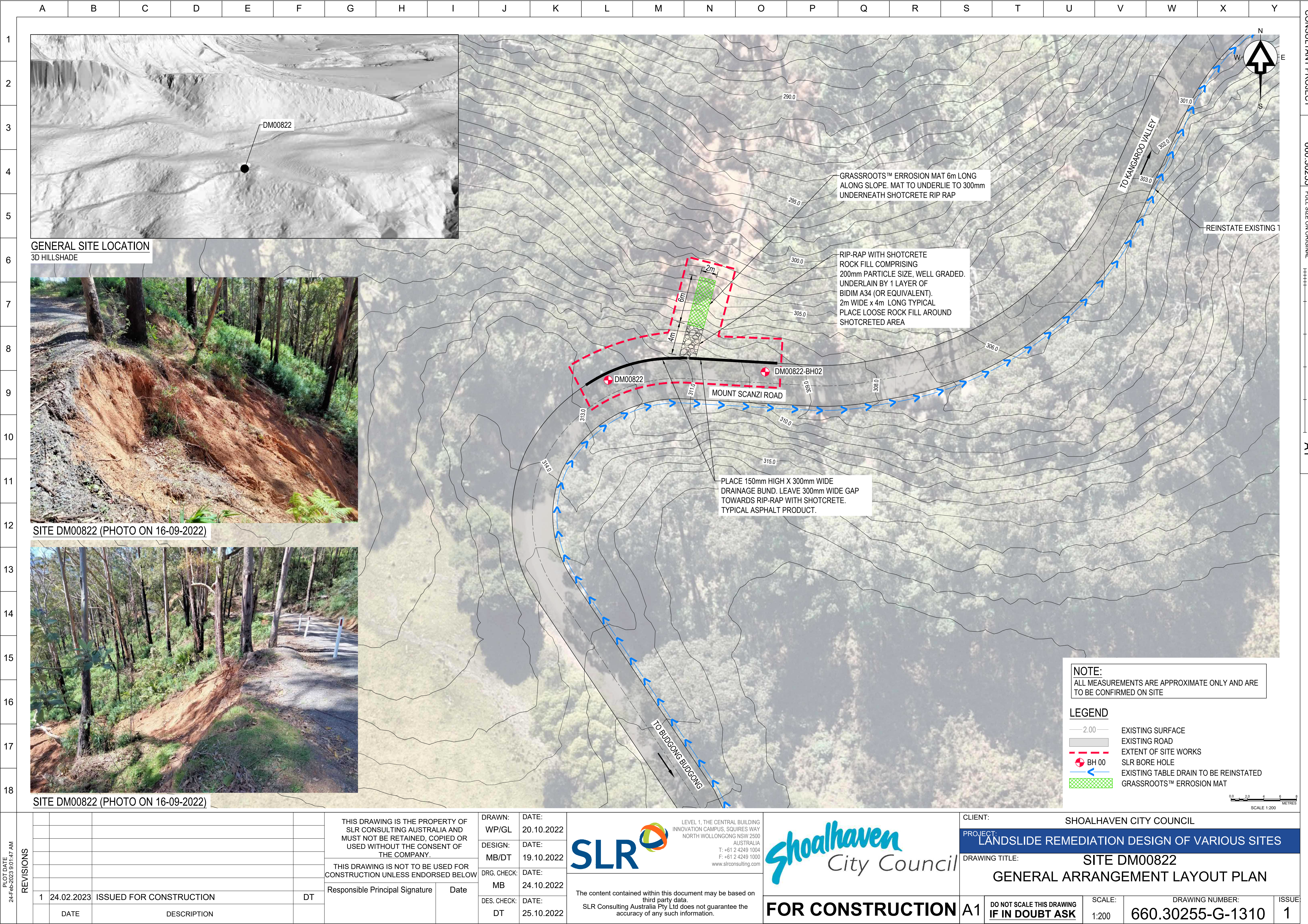
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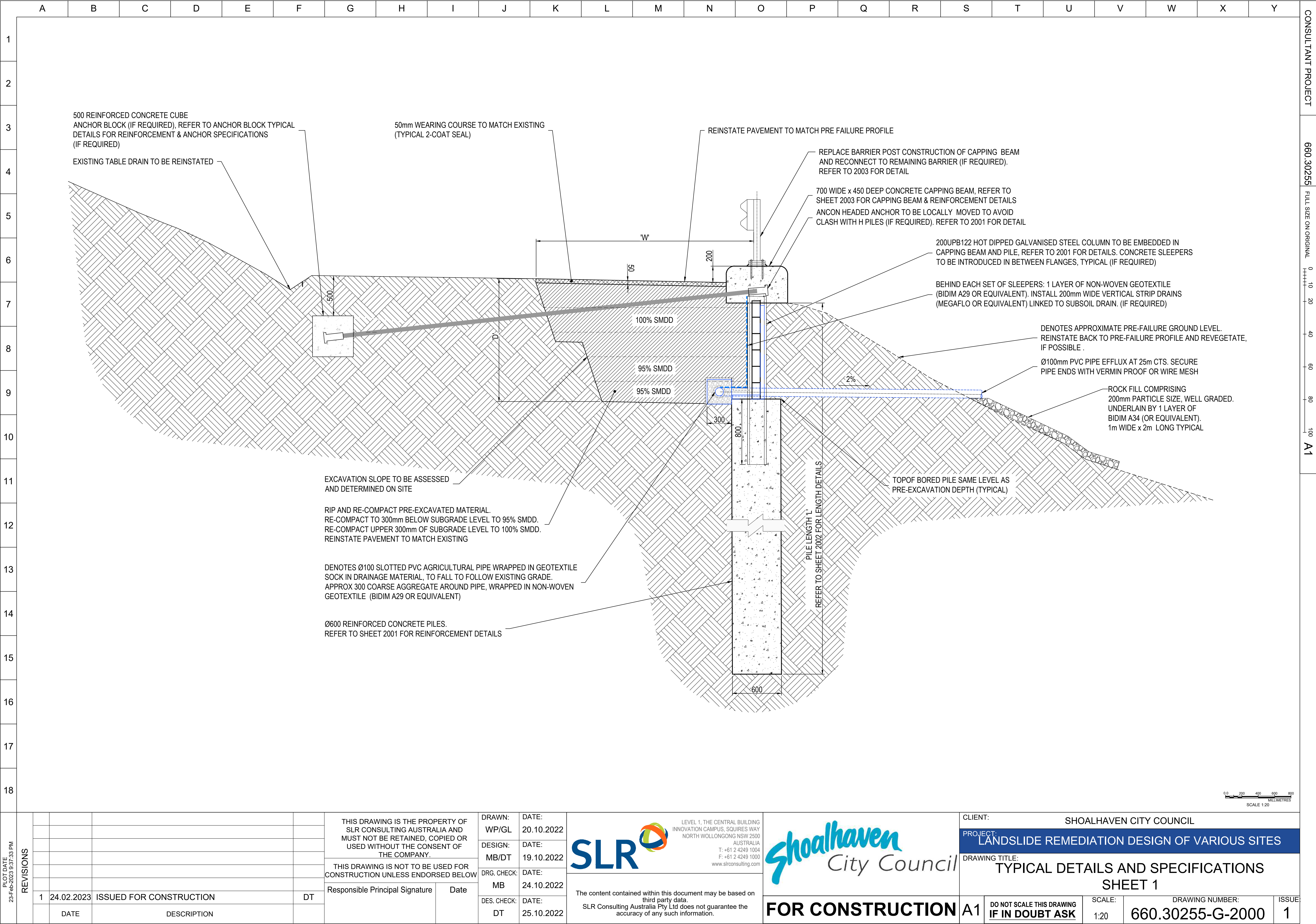
NOTE:
ALL MEASUREMENTS ARE APPROXIMATE ONLY AND ARE TO BE CONFIRMED ON SITE

LEGEND	
	EXISTING SURFACE
	EXISTING ROAD
	EXTENT OF SITE WORKS
	SLR BORE HOLE
	EXISTING TABLE DRAIN TO BE REINSTATED
	EXISTING CULVERT
	EXISTING DROP STRUCTURE
	STABILISING PILES TREATMENT DETAILS (SEE SHEETS 2000 & 2003)

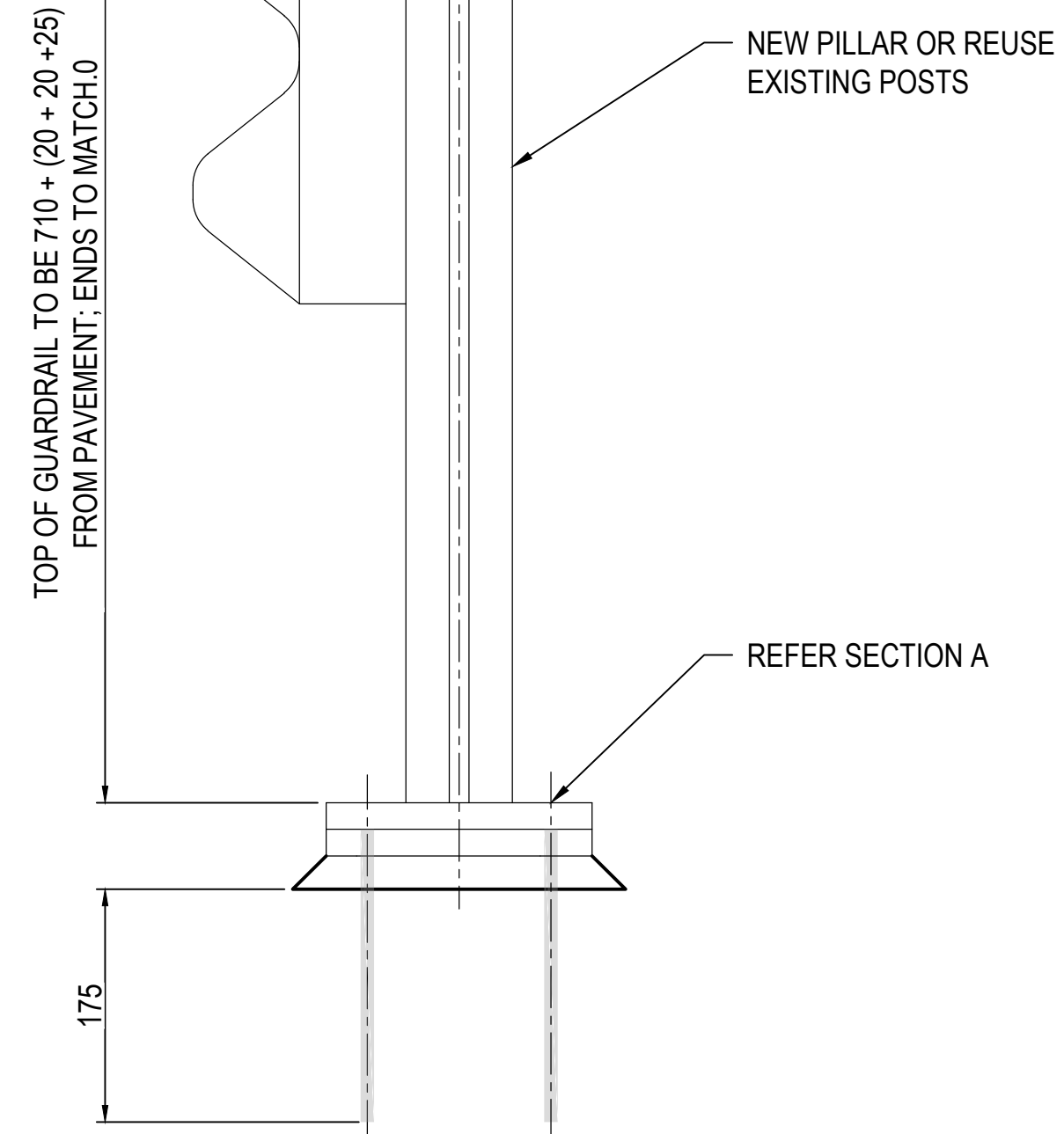
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		PROJECT: LANDSLIDE REMEDIATION DESIGN OF VARIOUS SITES										
		DRAWING TITLE: SITES DM00757, NH00013 & DM00864 GENERAL ARRANGEMENT LAYOUT PLAN										
		FOR CONSTRUCTION A1										
		DATE	DESCRIPTION	DT	Responsible Principal Signature	Date	The content contained within this document may be based on third party data. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information.		DO NOT SCALE THIS DRAWING IF IN DOUBT ASK	SCALE: 1:200	DRAWING NUMBER: 660.30255-G-1190	ISSUE: 1

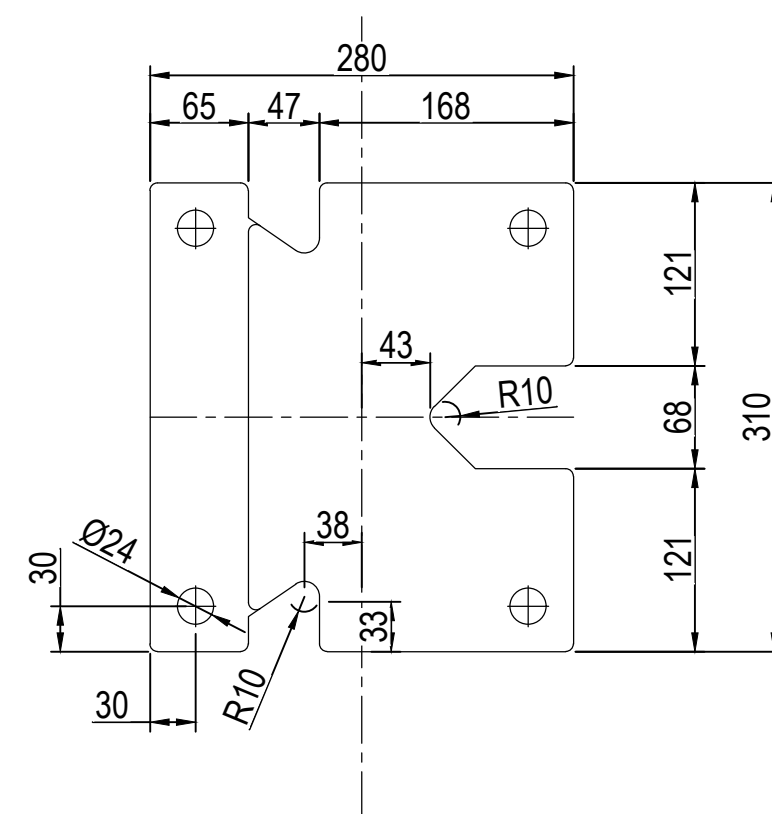




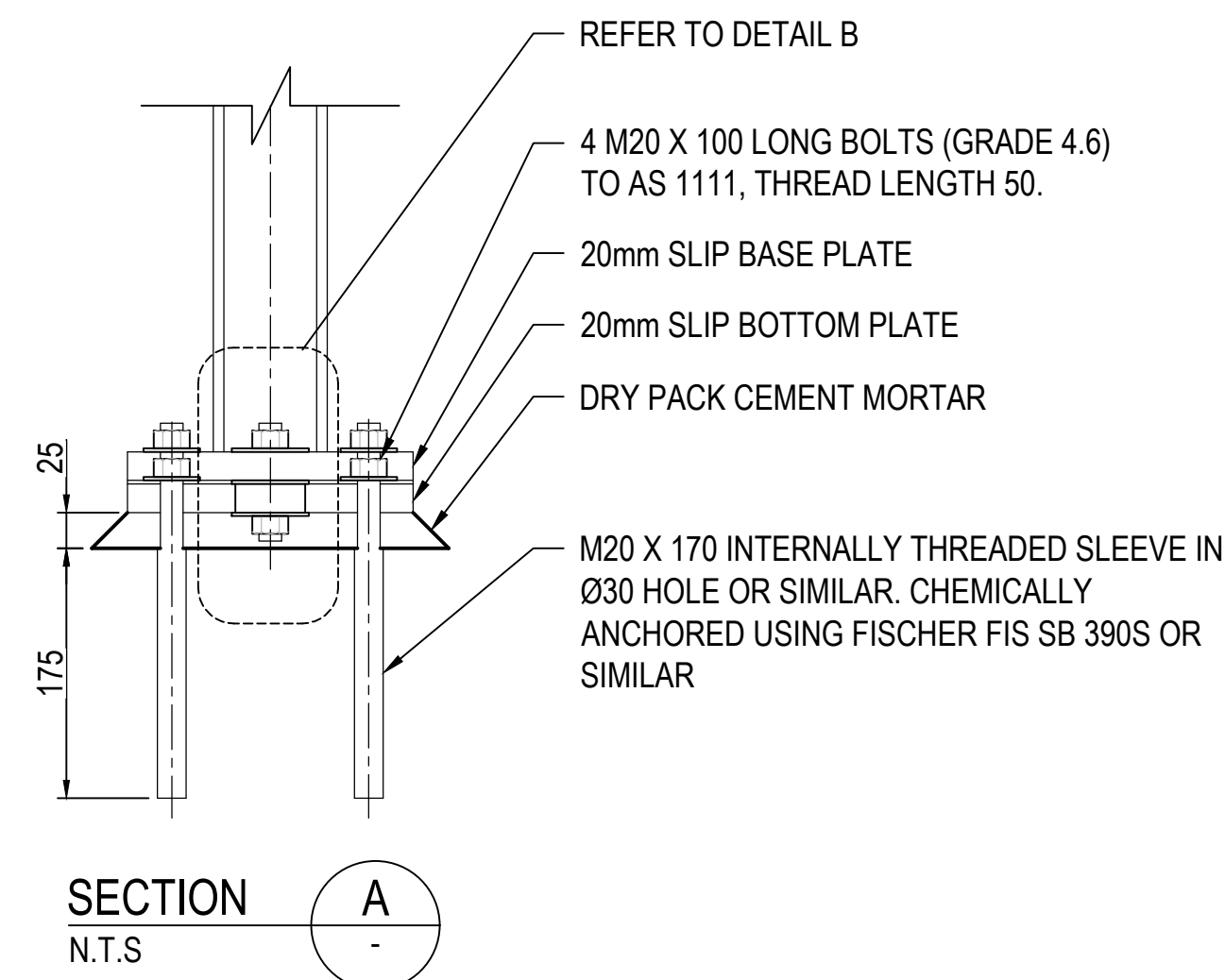
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	CONSULTANT PROJECT
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PLOT DATE 10-Mar-2023 10:02:26 AM	REVISIONS						THIS DRAWING IS THE PROPERTY OF SLR CONSULTING AUSTRALIA AND MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE CONSENT OF THE COMPANY.	DRAWN:	DATE:	 LEVEL 1, THE CENTRAL BUILDING INNOVATION CAMPUS, SQUIRES WAY NORTH WOLLONGONG NSW 2500 AUSTRALIA T: +61 2 4249 1004 F: +61 2 4249 1000 www.slrconsulting.com The content contained within this document may be based on third party data. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information.	 FOR CONSTRUCTION	CLIENT: SHOALHAVEN CITY COUNCIL														
									PROJECT: LANDSLIDE REMEDIATION DESIGN OF VARIOUS SITES																	
									DRAWING TITLE: TYPICAL DETAILS AND SPECIFICATIONS																	
									SHEET 3																	
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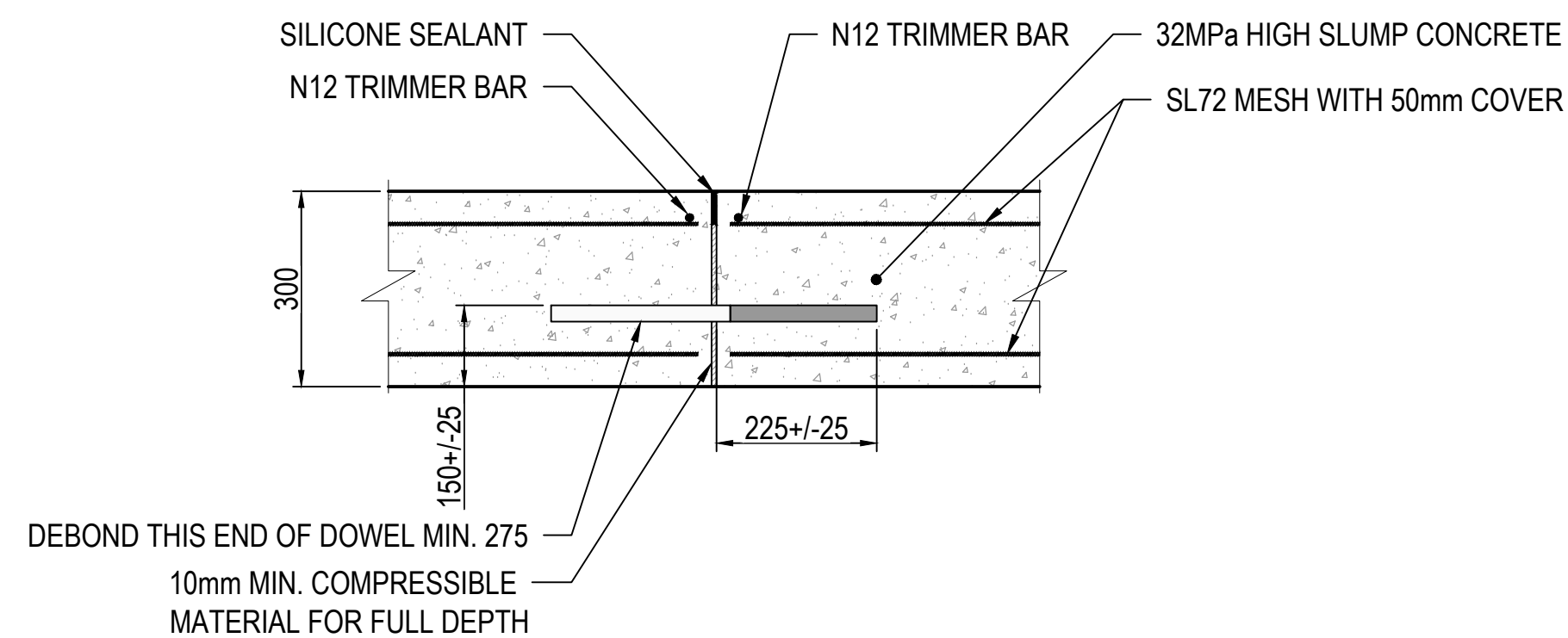
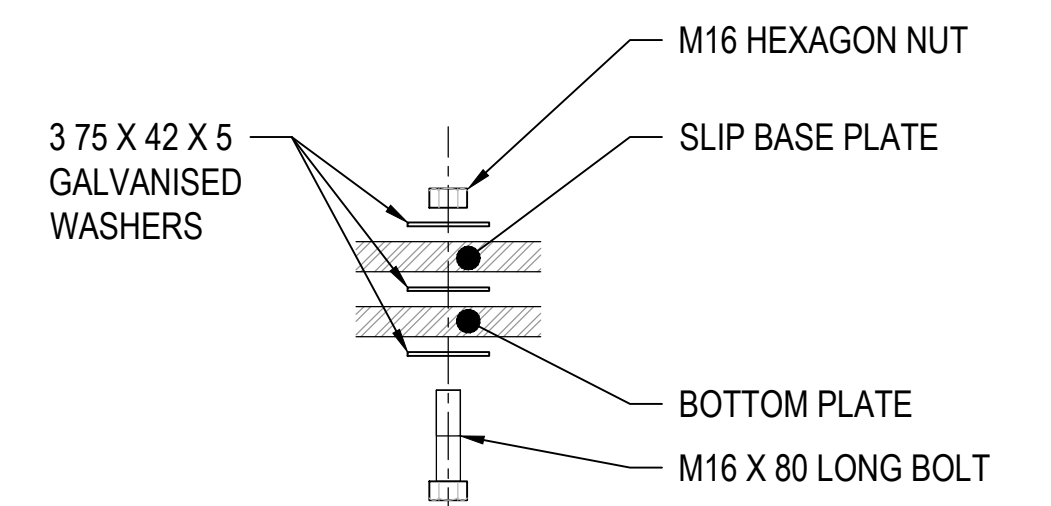
20mm SLIP BASE PLATE DETAIL



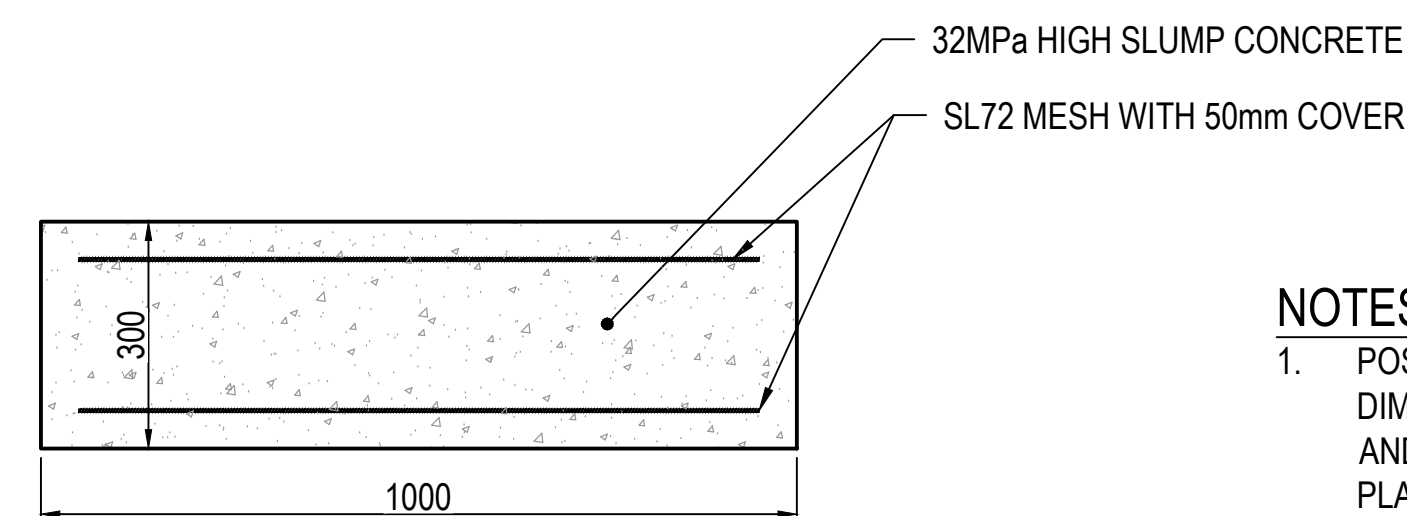
20mm BOTTOM PLATE DETAIL



DETAIL 



CONCRETE CAPPING SLAB CONSTRUCTION JOINT DETAIL

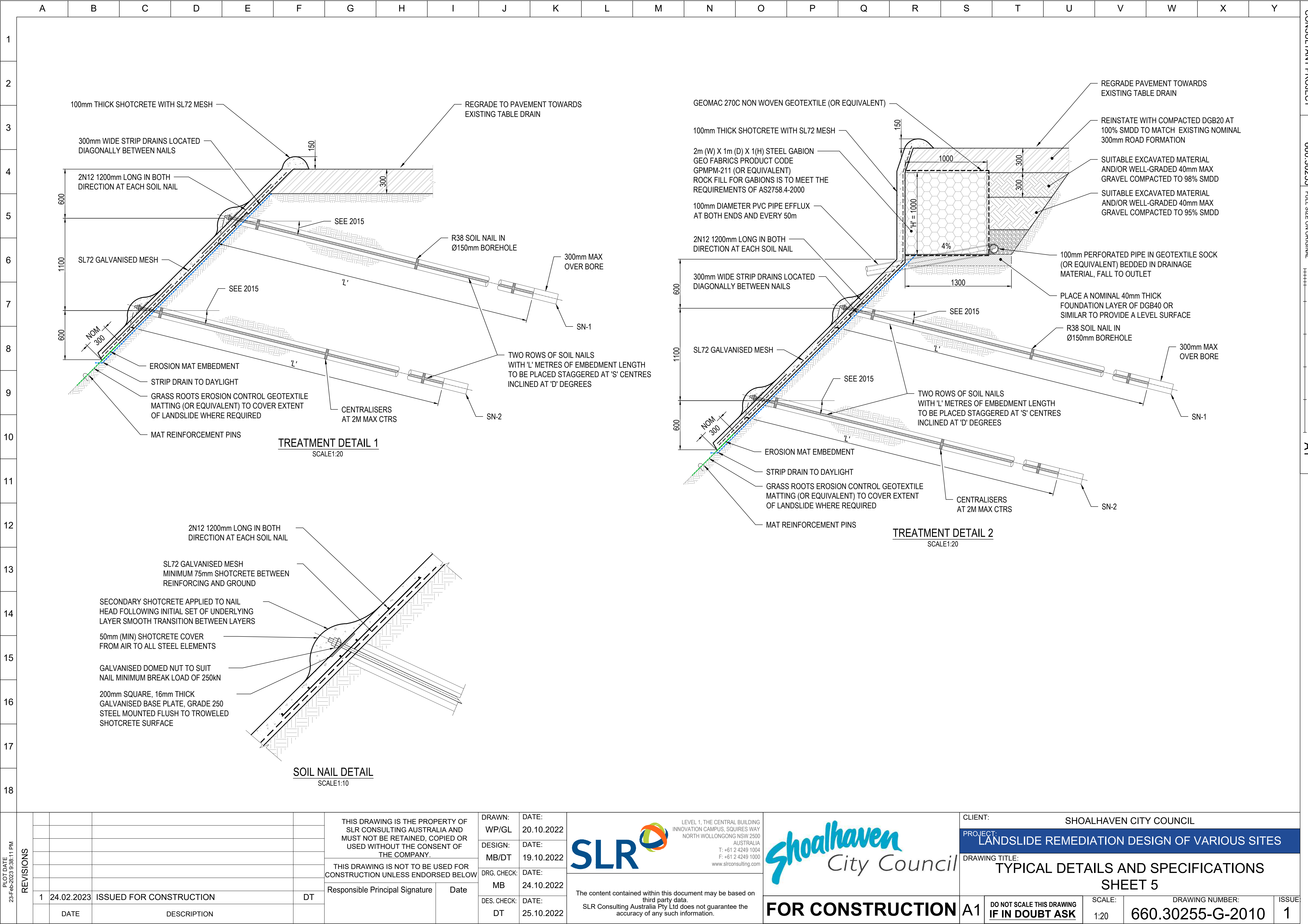


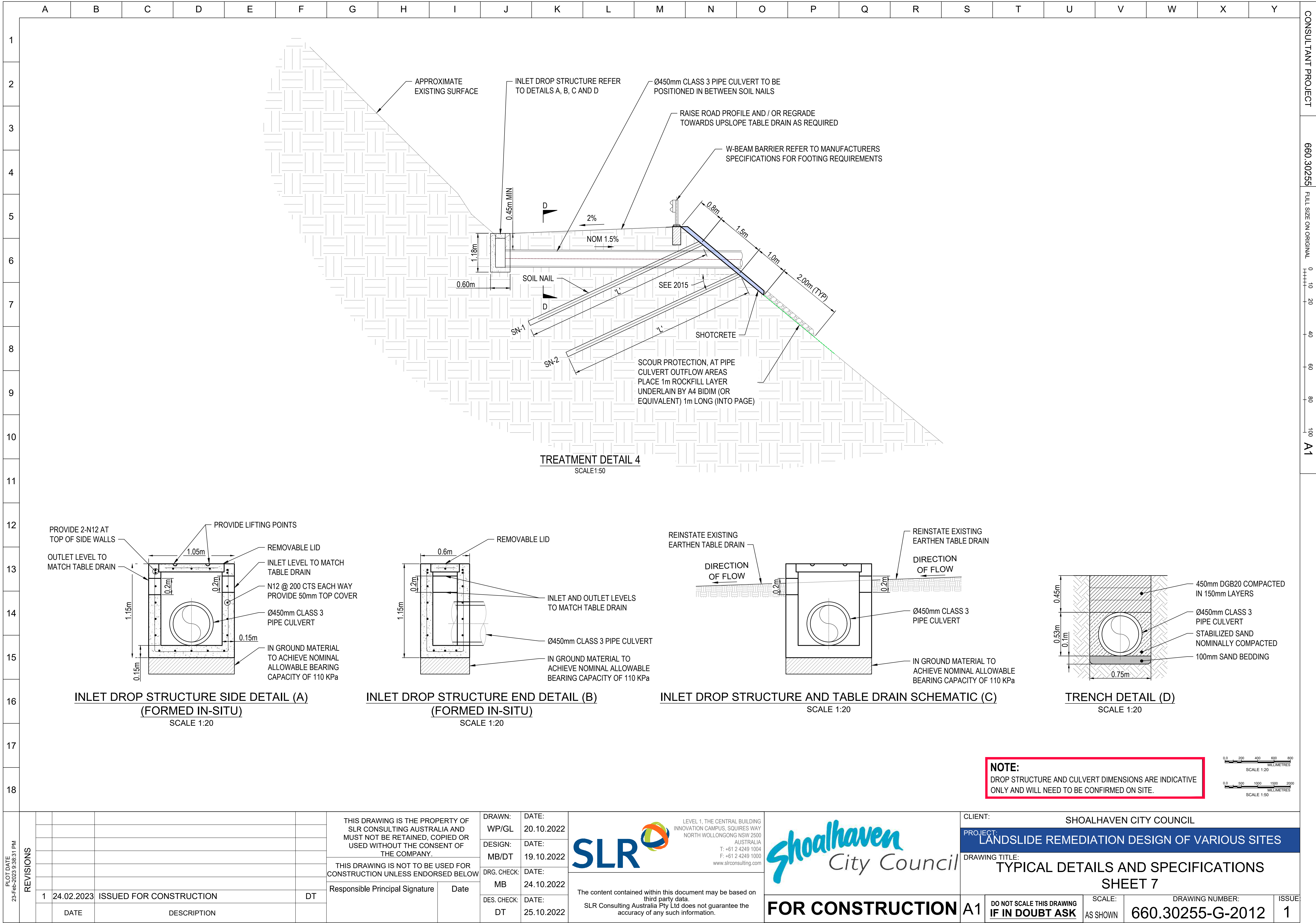
CONCRETE CAPPING SLAB DETAIL

- NOTES:**
1. POSTS ARE FROM 4.3 BMT PLATE GRADE HA300 STEEL TO AS 1594. CROSS-SECTION DIMENSIONS FOR POSTS ARE SHOWN ON FNSW DRAWING R0710-01. STEEL BASE PLATE AND BOTTOM PLATE ARE TO AS 3678, GRADE HA250. POSTS TO BE WELDED TO BASE PLATE. POSTS AND PLATES HOT DIP GALVANISED TO AS 4680 AFTER FABRICATION.
 2. HEXAGON BOLTS TO AS 1111 (GRADE 4.6), HEXAGON NUTS TO AS 1112 (GRADE 5). NUTS SHALL BE TAPPED TO SUIT GALVANISED THREADS. BLACK STEEL WASHERS, LARGE SERIES TO AS 1237. BOLTS, NUTS AND WASHERS SHALL BE HOT DIP GALVANISED IN ACCORDANCE WITH REQUIREMENTS OF AS 1214.
 3. SLIP BASE PLATE NUTS TO BE TIGHTENED TO 25Nm. BOLTS ATTACHING THE BOTTOM PLATE SHALL BE SNUG TIGHT TO AS 4100.
 4. DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE NOMINATED.

NOTE:
DETAILS SHOWN ON THIS PLAN ARE INSTRUCTIVE ONLY AND MAY BE SUPERSEDED BY TFSW OR MANUFACTURER. REFER TO RELEVANT TFSW FOR CURRENT DRAWINGS TO MANUFACTURERS SPECIFICATIONS FOR PRODUCT INSTRUCTION GUIDE (ARMCO OR APPROVED EQUIVALENT).

PLOT DATE 23-Feb-2023 9:58:01 PM	REVISIONS				THIS DRAWING IS THE PROPERTY OF SLR CONSULTING AUSTRALIA AND MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE CONSENT OF THE COMPANY.	DRAWN: WP/GL	DATE: 20.10.2022	 LEVEL 1, THE CENTRAL BUILDING INNOVATION CAMPUS, SQUIRES WAY NORTH WOLLONGONG NSW 2500 AUSTRALIA T: +61 2 4249 1004 F: +61 2 4249 1000 www.slrconsulting.com  The content contained within this document may be based on third party data. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information.	CLIENT: SHOALHAVEN CITY COUNCIL							
							PROJECT: LANDSLIDE REMEDIATION DESIGN OF VARIOUS SITES									
							DRAWING TITLE: TYPICAL DETAILS AND SPECIFICATIONS SHEET 4									
							FOR CONSTRUCTION									
		1	24.02.2023	ISSUED FOR CONSTRUCTION			DT	Responsible Principal Signature	Date	DRG. CHECK: MB	DATE: 24.10.2022	A1	DO NOT SCALE THIS DRAWING IF IN DOUBT ASK	SCALE: N/A	DRAWING NUMBER: 660.30255-G-2003	ISSUE: 1
			DATE	DESCRIPTION			DES. CHECK: DT			DATE: 25.10.2022						





[illegible]

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1																									
2	SOIL NAIL SCHEDULE																								
3	RECORD NUMBER	LOCATION	ESTIMATED LENGTH OF TREATMENT (m)	STACKS OF GABION BASKET OR MASS BLOCK	NUMBER OF SOIL NAIL ROWS	NAIL SIZE (mm)	SOIL NAIL HORIZONTAL SPACING 'S' (m)	SLOPE DISTANCE FROM ROAD SURFACE		SOIL NAIL LENGTH 'L' (m)	ULTIMATE LOAD (kN)	BOREHOLE DIAMETER (mm)	ANGLE FROM HORIZONTAL Ø (deg)	MINIMUM PLATE SIZE	SOCKET LENGTH (m)	TRAFFIC BARRIER REQUIRED									
3	SH00290	Bamarang Rd	45	1	2	R38	1.5	SN-1	0.8	4.5	25	150	15	200 x 200 x 16	1.0m into EW	No									
25			NO	2	R38	1.5	SN-2	2.3	4.5	25	150	15	200 x 200 x 16	1.0m into EW											
3			SN-1	At the toe of dry stack wall	5.5	25	150	90	200 x 200 x 16	1.0m into EW	No														
SN-2												1.5m from toe of dry stack wall	4.5	25	150	30	200 x 200 x 16	1.0m into EW	No						
4	AC00088	Bunkers Hill Rd	20	0	2	R38	1.5	SN-1	0.8	4	25	150	15	200 x 200 x 16	4.0m into COL	No									
								SN-2	2.3	4	25														
	DM00610	Hughes Rd	20	1 (20m)	2	R38	1.5	SN-1	0.8	6	35	150	15	200 x 200 x 16	1.5m into RES	No									
5	DM00611	Hughes Rd	30	0 (10m)	2	R38	1.5	SN-2	2.3	5.5	40				1.5m into RES										
								SN-1	0.8	5.5	30	150	15	200 x 200 x 16	2.5m into RES	No									
								SN-2	2.3	6	35				2.5m into RES										
	DM00718	Mount Scanzi Rd	55	1 (18m) 0 (37m)	2	R38	1.5	SN-1	0.8	7	50	150	15	200 x 200 x 16	1.5m into EW	No									
6	DM00755	Mount Scanzi Rd	20	1 (20m)	2	R38	1.5	SN-2	2.3																
								SN-1	0.8	2.5	15	150	15	200 x 200 x 16	3.0m into COL	No									
	DM00863	Wattamolla Rd	25	0	2	R38	1.5	SN-1	0.8	4	25				150		15	200 x 200 x 16	4.0m into COL	No					
7								MT00008	Woodhill Mountain Rd	64	0	3	R38	1.5		SN-2			2.3		4	30			
	SN-1	0.7	5.5	55	150	20	200 x 200 x 16								1.0m into RES	Yes									
				SN-2				2.2	50	1.5m into RES															
	DM00899	Bamarang Rd	22	0	2	R38	1.5	SN-3	3.7	45	150	15	200 x 200 x 16	1.5m into RES/EW	No										
8								DM00548	Bunkers Hill Rd	20				0		4	R38	2.5	SN-1	0.8	2.5	18	1.0m into RES/EW		
	SN-2	2.8	3	23	150	20	200 x 200 x 16				1.0m into RES/EW	Yes (pile section); No (soil nail section)													
											SN-3		4.8	3	23	2.0m into RES									
	NH00011	Upper Kangaroo River Rd	25	0	3	R38	1.5	SN-4	6.8	2.5	18	150	15	200 x 200 x 16	3.5m into RES/EW	No									
9								DM00549	Bunkers Hill Rd	40	0				1		R38	10.0	SN-1	0.8	2.5	18	1.0m into RES/EW		
																			SN-2	2.3	8.5	65	150	15	200 x 200 x 16
	SN-3	3.8	55	3.0m into RES/EW																					
10	DM00869	Bunkers Hill Rd	20	0	2	R38	1.5	SN-1	0.35	7	--	150	15	ANCON	1.5m into MW	Yes									
										SN-1	0.7	7	--	150	15	200 x 200 x 16	2.0m into HW/MW	No							
			35	0	1	R38	8.0	SN-2	2.2																
11	DM00870	Bunkers Hill Rd	42	0	1	R38	10.0	SN-1	0.35	7	--	150	15	ANCON	2.0m into HW/MW										
	DM00808	Woodhill Mountain Rd	40	0	13	SEE 1260 to 1262 FOR DETAILS										1.5m into MW	No								
12	LIST OF SITES REMOVED FROM TABLE SH00282 DM00890 SH00292																								
13																									
14																									
15																									
16																									
17																									
18	NOTE: REFER TO 2002 FOR ABBREVIATIONS DEFINITIONS																								
PLOT DATE 10-Mar-2023 10:00:59 AM	REVISIONS					THIS DRAWING IS THE PROPERTY OF SLR CONSULTING AUSTRALIA AND MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE CONSENT OF THE COMPANY.		DRAWN:	DATE:	LEVEL 1, THE CENTRAL BUILDING INNOVATION CAMPUS, SQUIRES WAY NORTH WOLLONGONG NSW 2500 AUSTRALIA T: +61 2 4249 1004 F: +61 2 4249 1000 www.slrconsulting.com	Shoalhaven City Council	CLIENT: SHOALHAVEN CITY COUNCIL													
								PROJECT: LANDSLIDE REMEDIATION DESIGN OF VARIOUS SITES																	
								DRAWING TITLE: TYPICAL DETAILS AND SPECIFICATIONS SHEET 9																	
		3	10.03.2023	ISSUED FOR CONSTRUCTION	DT	THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ENDORSED BELOW		DESIGN:	DATE:			FOR CONSTRUCTION A1													
		2	02.03.2023	ISSUED FOR CONSTRUCTION	DT			DRG. CHECK:	DATE:							DO NOT SCALE THIS DRAWING IF IN DOUBT ASK									
1	24.02.2023	ISSUED FOR CONSTRUCTION	DT	Responsible Principal Signature	Date	DES. CHECK:	DATE:	SCALE: N/A				DRAWING NUMBER: 660.30255-G-2014		ISSUE: 3											
		DATE		DESCRIPTION				DT	25.10.2022																