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	DRAWING SCHEDULE (1 OF 2)		DRAWING SCHEDULE (2 OF 2)		COORDINATE	STABLE	
DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE	SITE NUMBER	SITE LOCATION	EASTING	NORT
660.30255-G-1000	COVER SHEET & SITES LOCALITY PLAN	660.30255-G-1200	SITE DM00583 - GENERAL ARRANGEMENT LAYOUT PLAN	 DM00865	Abernathys Rd	266450	6145
660.30255-G-1001	DRAWING SCHEDULE & COORDINATES TABLE	660.30255-G-1201	SITE DM00583 - CROSS SECTIONS SHEET	 SH00290	Bamarang Rd	271979	613
660.30255-G-1002	GENERAL NOTES SHEET 1			 DM00706	Browns Mountain Rd	273244	614
660.30255-G-1003	GENERAL NOTES SHEET 2	660.30255-G-1210	SITE DM00828 - GENERAL ARRANGEMENT LAYOUT PLAN				
660.30255-G-1004	GENERAL NOTES SHEET 3			 AC00088	Bunkers Hill Rd	274285	6159
				 DM00548	Bunkers Hill Rd	275018	6160
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	6159
				 DM00869	Bunkers Hill Rd	274354	615
660.30255-G-1020	SITE SH00290 - GENERAL ARRANGEMENT LAYOUT PLAN	660.30255-G-1230	SITE DM00513 - GENERAL ARRANGEMENT LAYOUT PLAN	DM00870	Bunkers Hill Rd	274402	6159
		660.30255-G-1231	SITE DM00513 - CROSS SECTIONS SHEET	 SH00282	Burrier Rd	267939	613
660.30255-G-1030	SITE DM00706 - GENERAL ARRANGEMENT LAYOUT PLAN	660.30255-G-1232	SITE DM00513 - DETAILS SHEET 1	 SH00288	Burrier Rd	271051	613
660.30255-G-1031	SITE DM00706 - CROSS SECTIONS SHEET	660.30255-G-1233	SITE DM00513 - DETAILS SHEET 2	 SH00292	Burrier Rd	268817	613
				 DM00555	Foremans Rd	287060	615
660.30255-G-1040	SITE AC00088 - GENERAL ARRANGEMENT LAYOUT PLAN	660.30255-G-1240	SITE DM00863 - GENERAL ARRANGEMENT LAYOUT PLAN			287028	
000.30233-0-1040		000.00200-1240		 DM00882	Foremans Rd		615
660.30255-G-1050	SITE DM00548 - GENERAL ARRANGEMENT LAYOUT PLAN	660.30255-G-1250	SITE SH00276 - GENERAL ARRANGEMENT LAYOUT PLAN	 DM00610	Hughes Rd	267764	6140
660.30255-G-1050	SITE DM00548 - GENERAL ARRANGEMENT LAYOUT PLAN SITE DM00548 - DETAILS SHEET	000.00200-0-1200		 DM00611	Hughes Rd	267775	6140
000.30233-8-1031		660.30255-G-1260		 DM00805	Kangaroo Valley Rd	279846	6152
660 20255 0 4060			SITE DM00808 - GENERAL ARRANGEMENT LAYOUT PLAN	 DM00806	Kangaroo Valley Rd	279546	6152
660.30255-G-1060	SITE DM00549 - GENERAL ARRANGEMENT LAYOUT PLAN	660.30255-G-1261	SITE DM00808 - CROSS SECTIONS SHEET	 DM00533	Mount Scanzi Rd	268294	6149
		660.30255-G-1262	SITE DM00808 - TREATMENT ELEVATION SHEET	 DM00577	Mount Scanzi Rd	269153	615
660.30255-G-1070	SITE DM00869 - GENERAL ARRANGEMENT LAYOUT PLAN			 DM00718	Mount Scanzi Rd	269141	6150
660.30255-G-1071	SITE DM00869 - CROSS SECTIONS SHEET	660.30255-G-1270	SITE MT00008 - GENERAL ARRANGEMENT LAYOUT PLAN	 DM00755	Mount Scanzi Rd	268187	6149
		660.30255-G-1271	SITE MT00008 - CROSS SECTIONS SHEET				
660.30255-G-1080	SITE DM00870 - GENERAL ARRANGEMENT LAYOUT PLAN	660.30255-G-1272	SITE MT00008 - ELEVATION & DETAILS SHEET	 DM00757	Mount Scanzi Rd	268466	614
				 DM00864	Mount Scanzi Rd	268507	6149
660.30255-G-1090	SITE SH00282 - GENERAL ARRANGEMENT LAYOUT PLAN	660.30255-G-1280	SITENR00016 - GENERAL ARRANGEMENT LAYOUT PLAN	 NH00013	Mount Scanzi Rd	268449	6149
		660.30255-G-1281	SITE NR00016 - CROSS SECTIONS SHEET	 DM00583	Upper Kangarooo River Rd	278778	6156
660.30255-G-1100	SITE SH00288 - GENERAL ARRANGEMENT LAYOUT PLAN			DM00828	Upper Kangarooo River Rd	280258	616
		660.30255-G-1290	SITE AQ00001 - GENERAL ARRANGEMENT LAYOUT PLAN	 NH00011	Upper Kangarooo River Rd	279513	6157
660.30255-G-1110	SITE SH00292 - GENERAL ARRANGEMENT LAYOUT PLAN			 DM00513	Wattamolla Rd	288246	6154
		660.30255-G-1300	SITE DM00523 - GENERAL ARRANGEMENT LAYOUT PLAN	 DM00863	Wattamolla Rd	285173	6154
660.30255-G-1120	SITES DM00882 & DM00555 - GENERAL ARRANGEMENT LAYOUT PLAN			 SH00276	Wogamia Rd	272677	613
660.30255-G-1121	SITE DM0555 - CROSS SECTIONS SHEET	660.30255-G-1310	SITE DM00822 - GENERAL ARRANGEMENT LAYOUT PLAN				
660.30255-G-1122	SITE DM00555 - DETAILS SHEET			 DM00808	Woodhill Mountain Rd	288281	6154
660.30255-G-1123	SITE DM00882 - CROSS SECTIONS SHEET	660.30255-G-1320	SITE DM00890 - GENERAL ARRANGEMENT LAYOUT PLAN	 MT00008	Woodhill Mountain Rd	288085	6154
				 NR00016	Yalwal Rd	271466	6134
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	615
				DM00523	Suffolk Road	277515	6110
660.30255-G-1140	SITE DM00805 - GENERAL ARRANGEMENT LAYOUT PLAN	660.30255-G-2000	TYPICAL DETAILS & SPECIFICATIONS SHEET 1	DM00822	Mount Scanzi Rd	269174	6150
		660.30255-G-2001	TYPICAL DETAILS & SPECIFICATIONS SHEET 2	 DM00890	Burrier Rd	269100	6130
660.30255-G-1150	SITE DM00806 - GENERAL ARRANGEMENT LAYOUT PLAN	660.30255-G-2002	TYPICAL DETAILS & SPECIFICATIONS SHEET 3	 DM00899	Bamarang Rd	272066	613
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-1160	SITE DM00533 - GENERAL ARRANGEMENT LAYOUT PLAN	660.30255-G-2011	TYPICAL DETAILS & SPECIFICATIONS SHEET 6				
		660.30255-G-2012	TYPICAL DETAILS & SPECIFICATIONS SHEET 7				
660.30255-G-1170	SITES DM00577 & DM00718 - GENERAL ARRANGEMENT LAYOUT PLAN	660.30255-G-2013	TYPICAL DETAILS & SPECIFICATIONS SHEET 8				
		660.30255-G-2014	TYPICAL DETAILS & SPECIFICATIONS SHEET 9				
660.30255-G-1180	SITE DM00755 - GENERAL ARRANGEMENT LAYOUT PLAN						
		·					
	SITES DM00757, NH00013 & DM00864 - GENERAL ARRANGEMENT LAYOUT PLAN						
	SITES DM00757, NH00013 & DM00864 - GENERAL ARRANGEMENT LAYOUT PLAN						



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1	1			PRINCIP	AL IS IDENTIFIEI	D AS SHOALHAV		:11				RE CON
'	2		-					ECHNICAL ENGIN	IEER APPOINTE	D BY	25. SERV	/ICES AF
	_	THE	PRINCIPAL T	O PROV	DE ON-SITE VER	RIFICATION OF T	HE CONSTRUCT	FION.			26. DURI	NG CON RLOADE
2						NG THE CONSTR	UCTION.					ANY EX
-) - UNLESS N(Al NOTES	JIED OI	HERWISE.						27. PRO\	
								N THE DRAWING				ROPRIAT SEQUEN
3								COUNTERED GE			28. REVII	
			ER FROM TH		•	SHALL BE REVI	EWED TO ENSU	RE SUITABILITY	OF THE DESIGN	ТО		
	6					THE CONTRACT	OR SHALL SUBM	IIT THE FOLLOW	ING TO THE PRI	NCIPAL	29. LOCA 30. WRIT	
4			REVIEW.		,						31. PRO\	
		A. AL	L SAFE WOR	K METHO	DD STATEMENTS	S AND PLANS						JLFMEN
			ONSTRUCTIO								32. SEEK OF H	(ADVICE EAVY SL
5			DNSTRUCTIO								EXIS	TING RE
						AGEMENT PLAN	(CEMP)				33. SEEK	
									Лт		34. SEEK REMO	CADVICE OVAL OF
6	7							JTE A HOLD POII MPLETION OF TH			35. MAKE	
								PREFERENCE BU		IE		IFICANT
						MILAR ALTERNA [:] N REPRESENTAT		HE REQUIRED P	ROPERTIES MA	Y BE	36. REPO CONS	SULT SU
7	g							GES ARE IN ME	TRES UNO. RED	UCED		SENT BE
					RALIAN HEIGHT						37. UNTII STRU	L PERMA JCTURE
	1							CONTRACTOR E				OLISHED
8					SCALING OF THE			D CORVETOR. A		DONOT	38. PRO\ RESI	/IDE SUI JLTING F
	1							S SHOWN ON D	RAWINGS BEFO	RE SHOP	39. LATE	
	1					ATION IS COMM		WORK.				OLISHED
9								USTRALIAN STA	NDARDS, NATIC	NAL	40. VERT	
	_			•	,			ANT BUILDING A		-L		
	1					,	,	EE OF ABRUPT (41. IT IS COUF	RSE OF
10) 1					DAMAGE OR CR	ACKING. MAKE (GOOD ANY DAMA	AGE TO EXISTIN	G	42. TEMF	
	1				ON OF WORKS.			ROSION, CONTAN				RNATION ELINES
						GAREAS AND DR						THE DUP
11	1	7. DISF	POSE OF SUR	PLUS MA	ATERIAL OFF SIT	TE IN ACCORDAN	ICE WITH LOCAL	_ AUTHORITY WA	ASTE REGULATI	ONS.	43. SEDII OR D	MENT AN
	_							SIBILITY OF THE				V BEFOR
10						POINTS) MAY BE		CRITICAL STAG	25 OF WORK		44. INSTA	ALL TEM ROUNDIN
12	2 2							RS DO NOT RELIE	EVE THE CONTR	ACTOR	45. ALL S	
						ITH THE DRAWIN		ICATIONS. RE AND SUBMIT /	ע ישאאוחטעבסי ס			CONSTR
13						PACKAGE SHALL			A HANDOVER P	AUNAGE	46. STOC PLAS	CKPILES
		A. DF	RILLING RECC	ORDS							STOC	CKPILES
	_	B. RF	CS, NCR'S, C	ERTIFIC/	ATES AND OTHE	R FORMS AS NC	MINATED BY TH	IE PRINCIPAL.			DOW 47. ANY	NSLOPE WASTE (
14	L	C. AF	PROVAL OF	THE HAN	DOVER PACKAC	GE BY THE PRING	CIPAL SHALL CO	NSTITUTE A HOL	D POINT.		DISP	OSED O
.		SAFETY	IN DESIGN									TO BE A AGEMEN
	- 2			-				GN EXPERIENCE			48. ALL \	
15	5	BAS	ED ON INFOR	MATION	AVAILABLE WHE	EN THIS DRAWIN	IG WAS MADE, II	NANCE AND DEM	AS DESIGNER C	NLY,	49. TRUC	
								ION, OPERATION DOES NOT RED	•	E AND		is. Mate Ed to s
		OBL	IGATIONS OF	CONSTR	RUCTOR, USER,	MAINTAINER AN	D DEMOLISHER	TO UNDERTAKE	APPROPRIATE		50. DURI	
16	5		IAGEMENT AO IGNER'S RES	-		ISK AND IS NOT A	an admission E	BY SLR THAT INC	LUSION OF ANY	ITEM IS	PLAC WASTE /	
	2							E LEGISLATION				
								ROCCUPATIONA				TAMINAN
17	•	ACT	S, LEGISLATI	VE REQL	JIREMENTS, ASS	SOCIATED REGU	-	ODES OF PRACT	_			TRACTO
		AGF	KEEMEN IS AN	ND ACCE	PTED INDUSTRY	r PRACTICE.					52. IF RE AND	QUIRED
18	8											
										WING IS THE PRO		DRAW
_									MUST NO	NSULTING AUSTRA T BE RETAINED, C	OPIED OR	WP/
38 PM	SN SN								USED W	ITHOUT THE CONS THE COMPANY.	SENT OF	DESIG
DATE	SIO) ;								NG IS NOT TO BE		
PLOT DATE 22-Feh-2023 4:11:38	REVISIONS		<u> </u>							N UNLESS ENDOR		
22-Fe			24.02.2023	ISSUE	ED FOR CON	STRUCTION		DT		rincipal Signature	Date	DES. CH
			DATE		I	DESCRIPTION						רס

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J	К	L	М	N	0	Р	Q	R	S	T	U	V	W	Х	Y
E COMMENCIN	PERMITS AND AP G WORK ON SITE				NT SERVICE AU	THORITIES		53. GENERAL WAST DOCKETS/RECE REPRESENTATIN	PTS FOR WATE	NOT TO BE ALLOW MANAGEMENT/DI					
	LOCATED ON SIT							54. ONLY VIRGIN EX		JRAL MATERIAL (V	ENM) CAN BE IM	PORTED ON SI	E UNLESS APPR	OPRIATE	
OADED. TEMPO	DRARY SUPPORT	S SHALL BE PI						TESTING AND DO	OCUMENTATION	N IS PROVIDED.	,				
	RRIERS AT EDGES TRAINED/ TETHE							FORWARD COPI	ES TO THE PRIN	ICIPAL'S REPRESE	INTATIVE.				
	FALL IS REASON			CTION ACTIVITIE	S. ENSURE SEF	PARATION OF		56. ESTABLISH TRAI		(IF REQUIRED) AT OL PLAN APPROVI			ORDANCE WITH A	AN	
	EL ON SITE, INCL V AND LAY DOWN				ON TRAFFIC.			57. CONSTRUCTION	WARNING SIGN		PEED SIGNS TO		ED IN GENERAL A	ACCORDANCE	
	SMENTS ARE AD D EGRESS TO EX				ATION, COLLAP	SE OR		58. A WASTE CLASS	IFICATION HAS		ED OUT FOR THI		•		
FMENT.					,					E WITH REGULATO					
	UITABLY QUALIF							EARTHWORKS							
IG RETAINING								59. STRIP OFF ALL V		UBBISH AND TOPS ROM SITE/ STOCK			ROOT MATTER F	ROM THE AREA	
								60. WHERE REQUIR					SECTION DRAW	ING.	
L OF EXISTIN	UITABLY QUALIF	ID REINFORCE	EMENT.					61. FOR EACH SITE, THE SITE AND S		ION LEVEL WILL VA					
CANT SECTION	AFE WHERE STR	ALLOWING GE	NERAL CONSTRU	JCTION OR REP	AIR ACCESS.			62. PRIOR TO ANY F SMOOTH DRUM	,	POSED SUBGRAD					
T SUITABLY C	SECTION LOSS (UALIFIED STRUC) OCEEDING WITH	CTURAL ENGIN						ENGINEER AND A		IELDING MATERIA PECIFIED.	LS REMOVED AN	ND REPLACED V	VITH APPROVED	FILLING	
	JPPORT IS PROV		E TEMPORARY S	UPPORT FOR SE	ECTIONS OF EX	ISTING		63. IMPORTING FILL							_
URES WHICH SHED.	ARE TO BE ALTE	RED AND WHI	CH NORMALLY R	ELY FOR SUPPC	RT ON WORK T	TO BE			TERIALS FROM	ADED MATERIAL V THE SITE, OR APP ES THAT WOULD P	ROVED SOUND	IMPORTED MAT			,
ING FROM TH								65. FILL SHALL BE S	PREAD IN LAYE		NG 150mm AND C	COMPACTED AT	OPTIMUM MOIST	TURE CONTENT	
SHED, USING								66. DENSITY TESTIN	G OF FILLING (A		E WHERE APPLI	CABLE) SHALL E	BE CARRIED OUT	AT THE RATE	
AL SUPPORTS E NTAL SITE M A	: PROVIDE SUPP(ORT WHERE N	IECESSARY USIN	g Piling or Un	DERPINNING, C	or Both.		67. WHERE REQUIR	ED, THE FOUND	OATION LAYER SHA	ALL BE, DRY, SM	OOTH, LEVEL A			
	LITY OF THE CON	NTRACTOR TO	ENSURE THAT A	LL MEASURES A	ARE TAKEN DUF	RING THE		SHOWN IN THE [MATERIAL.	DETAILED DRAW	VING. IT SHALL BE	FREE OF SURFA	ACE IRREGULAF	RITIES, LOOSE OF	R UNSTUITABLE	
	JCTION TO PREV							68. WHERE REQUIR	,	LAYER TO INFILL \ N GRANULAR SOIL	,				-
ATIONAL EROS NES (2008) AN	N AND SEDIMENT SION CONTROL A ID BE MAINTAINE	SSOCIATION ((IEĆA) BEST PRAG	CTICE EROSION	AND SEDIMENT	T CONTROL		WORKING PLATE OF UNSTUITABL	FORM. GRANUL/ E MATERIAL AN	AR BLINDING MATI D SHALL BE COMF) MINIMUM RELATI	ERIAL SHALL CO PACTED USING N	MPRISE OF GR IANUAL TECHN	ANULAR, SITE WO	ON SOIL FREE	
E DURATION C NT AND EROS	ION CONTROLS N	MUST BE IN PL	ACE PRIOR TO T	HE COMMENCE	MENT OF ANY E	ARTHWORKS		69. THE CONTRACT	OR SHALL PROC	GRAM AND UNDER	TAKE THE EART	HWORKS OPER			
OLITION ACTIV	VITY. THE LOCAT IING THE DOWNS	ION OF SUCH	DEVICES IS GEN	ERALLY AT THE	END OF THE DI	IRECTION OF		OFF TO REMOVE	DEPRESSIONS	NED DURING CON S WHICH WOULD A	LLOW WATER T	O POND AND PE	NETRATE THE U	NDERLYING	
	SEDIMENT BARR S ARE PAVED OR			Y TO COLLECT S	BILT LADEN WA	TER UNTIL		RECTIFIED AT TH	HE CONTRACTO						
FENCES AND) BARRIERS ARE [*] PERIOD.	TO BE MAINTA	AINED IN GOOD C	RDER AND REG	ULARLY DESILT	TED DURING			ITHORITY AND F	' AN INDEPENDEN PROVIDE TEST RE IPLIANCE TESTING	PORTS TO THE I			,	-
SHEETING O	SE MATERIALS SU R MEMBRANE MU D MATERIALS SU(STOCKPILES,	JST NOT BE US	SED. SAFETY BAF	RRICADING SHAI	L BE USED TO	ISOLATE									
ASTE GENERAT	TED, INCLUDING E		IATERIALS, SHAL E WASTE CLASSII												

SED OF APPROPRIATELY, ACCORDING TO THE WASTE CLASSIFICATION. GENERAL WASTE (RUBBISH) IS D BE ALLOWED TO LIE OR ACCUMULATE ON THE SITE. KEEP ALL DOCKETS/RECEIPTS FOR WASTE GEMENT/DISPOSAL AND FORWARD COPIES TO THE PRINCIPAL'S REPRESENTATIVE.

EHICLES LEAVING THE SITE MUST HAVE CLAY AND SOIL SHAKEN OFF AS PRACTICALLY AS POSSIBLE. (S REMOVING EXCAVATED/DEMOLISHED MATERIAL SHALL TRAVEL ON STABILISED CONSTRUCTION B. MATERIAL ARE TO BE TAKEN TO THE TRUCKS TO REDUCE TRUCK MOVEMENTS ON SITE. TRUCKS TO BE D TO SINGLE UNIT HEAVY RIGID VEHICLES (NO SEMI TRAILERS).

G TRENCH EXCAVATION ALL SPOIL SHALL BE MOUNDED ON THE UPHILL SIDE OF TRENCHES AND MENT IS TO COMPLY WITH THE PRINCIPAL'S REQUIREMENT.

ND CONTAMINATION

TE CLASSIFICATION HAS NOT BEEN CARRIED OUT FOR THIS SITE. HOWEVER, IF POTENTIAL AMINANTS ARE DISCOVERED DURING WORKS A WASTE CLASSIFICATION MUST BE CARRIED OUT BY THE RACTOR, IN ACCORDANCE WITH REGULATORY REQUIREMENTS.

UIRED, ANY WASTE GENERATED, INCLUDING EXCAVATED MATERIALS, SHALL BE REMOVED FROM SITE ISPOSED OF APPROPRIATELY, ACCORDING TO THE WASTE CLASSIFICATION.



SHOALHAVEN CITY COUNCIL

LANDSLIDE REMEDIATION DESIGN OF VARIOUS SITES

GENERAL NOTES SHEET 1

OT SCALE THIS DRAWING	
N DOUBT ASK	

DRAWING NUMBER: 660.30255-G-1002

		Α	E E	В	С	D	E	F	G	H	I	
	EXC	CAVA	TION								99.	BO
1	71.				TION MUST NOT CAL ENGINEER.	EXCEED 1.5m D	EPTH PRIOR TC	INSPECTION	BY A SUITABLY		100.	DE CC
2	72.					CONDITIONS EXI JITABLY QUALIFI			e floating boul R.	_DERS,	101.	DE
	73.					NTERED PRIOR ⁻ GEOTECHNICAL E		NDATION DEP	TH, SEEK ENGINE	ERING	102.	
3	74.		MPORARY CL IES.	JT FACE	S TO BE BATTER	RED BACK TO A S	SUITABLE SLOP	E TO MAINTAII	N STABILITY AT A	L		BR CY
	75.	EX	CAVATION AT	Γ ALL TIN		ARGE LOADS AR			IAL TO THE HEIGI IS ZONE SUCH AS			А. В. С.
4	76.	if e Wa	ENCOUNTER	ED, CARI	E SHALL BE TAK DRYSTONE AND	EN TO MINIMISE			RLYING DRYSTO		103.	
	77.					CKPILED WITH H	IEIGHT NOT EXC	EEDING 2 M.			104.	
5	78.	TO	PSOIL. PROV	IDE ADE	QUATE WATERI	NG, DRAINAGE A			DE WITH PAVEME	NT OR	105.	
6	79. 80.	ALI	FINAL SURF	ACES S		ES. "RUCTED TO MA ⁻	TCH EXISTING L	EVELS UNLES	S OTHERWISE		106.	ALI CO
	חח		PROVED BY ⁻		NCIPAL.						CON	ICRE
			GE (GENERA								107.	CU
7	81.	CO				Face drain spi Drainage whic			THE LOCAL DRA	NAGE	108.	BA: TH CU
8	82.	15K	(G/M3.				D WITH 40MPA	SHOTCRETE V	/ITH DOSAGE RA	TE OF	109.	
			EL FLOAT A		CRETE SURFAC	ES.						TO
	84.								MESH, WITH 3.4n		110.	
9	04.	FR/ BE RE(AME WIRE AN MECHANICAI QUIREMENTS	ND 2.7mn LLY CON S AS PEF	NESH WIRE, C	OMPLETE WITH E PRODUCTION F	DIAPHRAGMS A FACILITY WITH N	T 1M CENTRE	S. ALL COMPONE NECTION STRENC	NTS TO GTH	111. 112.	MA PR
10	85.	ALI		L BE MIL		,			HMETAL ALLOY) T N ADDITIONAL 0.4		113.	IMF
		HE	AVY DUTY GF	REY PVC	COATING.						<u>REIN</u>	
11	86. 87.	TH	E GABION FIL	L MATE	RIAL SHALL BE I		E WITH AS 2758.4		R GALFAN + PVC IINIMUM ROCK SI		114. 115.	
12	88.	BID	IM A34 NON-	WOVEN	GEOTEXTILE (O		QUIVALENT) TO		ALL ROCKFILL-S	OIL	116.	FO
	89.		-		_	ON SHALL HAVE HALL BE IN ACCO			D MAXIMUM SIZE נ	OF	117. 118.	
			ES AND FOU					10 2100.4 200	5.		119.	ΤH
13	90.	TH	E BEARING C		AT FOUNDING	LEVEL SHALL BE	E VERIFIED BY A	SUITABLY QU	ALIFIED GEOTEC	HNICAL	120.	
	91.			-	ACEMENT OF C		A SUITARI Y OUA		ECHNICAL ENGIN	EER TO	121.	LAI LAI
14	51.	CO	NFIRM THE E	XPOSE	FOUNDATION I		FIES THE DESIG	ON ASSUMPTIC	ONS. ANY MATERI	-	122.	
	92.	CLI	EANLINESS C)F PILE E	ASES SHALL BE		,		IED GEOTECHNIC	CAL		N C R C
15	93.				STING OF PILES	S. CORDANCE WIT	H AS2159					SL
	94.							URELY AND A	CURATELY HELD) IN		RL
											123.	
16	95. 96.	_				_			ON IS GIVEN OTHE ABLISHED DURIN	-	123.	П
				WORK I	N PROGRESS.							N
17	97.	NCRE MIN		Y CHARA	CTERISTIC CON	IPRESSIVE STRI	ENGTH OF ALL (CONCRETE IS	40 MPa.			1
	98.		-	FORCE	IENT NEAREST	TO THE CONCRE	ETE SURFACE S	HALL BE 50MM	I UNLESS NOTED			N
18		OT	HERWISE.									
										AWING IS THE PRO	-	DF
v									MUST NC	NSULTING AUSTRA T BE RETAINED, C	OPIED OR	
Ē 1:48 PN	SNS								USED V	VITHOUT THE CON THE COMPANY.	SENT OF	DE - N
PLOT DATE 22-Feb-2023 4:11:48 PM	REVISIONS									'ING IS NOT TO BE ON UNLESS ENDOF		/ DR
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22-	-	1		ISSUE	D FOR CON			DT				DE
			DATE		C	DESCRIPTION						

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OTTOM COVE	R FOR FOOTING	SSHALL BE 75m	I Im UNI ESS NOTI					STRUCTUR	_⊥ AL STEEL	
	E PROPOSED MI					NG ANY			ORKMANSHIP	
	AL MIX OF CONCI	RETE TO BE USE	D. RECENT TRI	AI S AND PRODI	JCTION RUNS F	OR SIMILAR MIX			ATERIAL TO BE	
ESIGNS MAY	BE SUBMITTED F	OR CONSIDERA	TION AS EVIDEN	NCE OF COMPLIA					DING SHALL BE	
	S OF THIS SPEC								DING CONSUMA	
	TOR SHALL ALLC								ECTION SHALL E	
	D TEST DATA SH								THE CONTRACT	
. 7 DAY COM	PRESSIVE STRE	NGTH - 3 CYLIND	DERS						ORARILY AS NE	
	IPRESSIVE STRE							130. THE B	BUILDER SHALL	. PROVID
								WHET	THER OR NOT D)ETAILED
	STRENGTH OF T TIC STRENGTH E							SEALANTS	AND FILLERS	
HAT TRIAL MI									RE JOINTS DAYI	
	T IN ACCORDAN					,			IANENT) MUST I MPRESSIBLES [
	N OF THE PRINCI								OINT BUT ROT	
	E SHALL BE PLA . OF CONCRETE					MATERIALS.		132. SEALA	ANTS AND FILLE	ERS MUS
	HORIZONTAL SU							DRILLING C	OF SOIL NAIL H	OLES
OLLECTION A								133. DRILL	ING FOR NAILS	S AND AN
RETE CURING									DERS AND BED DITIONS. USE RO	
URING COMP	OUNDS SHALL O	NLY BE USED OI	N APPROVAL FR	OM THE PRINCI	PAL. THEY SHA	LL BE WAX			IAL REMOLDING	
,	TABLY COLOURE							OTHE	R THAN AIR, UN	VLESS O
	MENTS OF AS 379					UNCRETE .		134. THE C REQU	CONTRACTOR S	SHALL IN
	OUNDS SHALL B									יו ופ פו ופ
	ENT TEMPERATU								SHALL BE CLE	
O USE.									OPENING SEALE	
URING COMP	OUNDS SHALL N	OT BE BASED OI	N PVA OR CHLO	RINATED RUBBE	ER.			SOIL NAIL	AND FACING RI	EINFORC
	OUNDS SHALL B					OVIDED TO THE		137. SOIL N	NAILS TO BE DO	OUBLE E
	OR TO CONCRET				IS SHALL DE FN			138. DRILL	HOLES FOR NA	AILS MUS
VATER FOR CU	JRING SHALL BE	POTABLE WATE	ER WITH A pH BE	TWEEN 5 AND 7	, AND SHALL NO	OT CONTAIN		139. SOIL N	NAILS TO BE GF	RADE D5
MPURITIES IN	SUFFICIENT QUA	NTITY TO CAUS	E DISCOLOURA	TION OF THE CO	NCRETE.			140. SOIL N	NAILS MUST BE	E INSTALI
	S IS NOT PERMIT	TED.						141. PROV	IDE CENTRALIS	SERS FO
ORCEMENT (F	OOTINGS)							142. STEEL	L MESH MUST E	3E GRAD
TEEL REINFO	RCEMENT MUST	BE IN ACCORDA	ANCE WITH AS 4	671, DOWELS M	UST COMPLY W	/ITH AS 3679.1.		143. BEARI	ING PLATE MUS	ST BE GF
1ESH REINFOF	RCEMENT SIZE M	IUST BE IN ACCO	ORDANCE WITH	DRAWING DETA	ILS.			144. SOIL N	NAIL FACING SH	HOTCRE
	NT MAY BE DISP		Y WHERE NECE	SSARY TO CLEA	AR DOWELS, AN	CHOR BOLTS,		145. SOIL N	NAIL FACING SH	HOTCRE
	S AND RECESSE	-							NAIL 40mm COV	
	TANDARD BAR S	_								
			,					_	L MESH MUST E OW IN THE SHO	
	REINFORCEME	,						148. ALL S	TEEL MESH LAI	.PS AND S
	WN ON THE DRA							ADJO	INING STEEL O	R SPRAY
APPED IN ANY	CROSS SECTIO	Ν.		SO THAT NO MC	JRE THAN 50% C	JF DARS ARE			L MESH LAPS M TION. LAPS ARE	
	NT SYMBOLS CC								, BEARING PLA	•
	RADE 500 MPa N								RDANCE WITH	
	RADE 250 R HOT	-		1.				-	NUTS MUST BE 91.2 OR EQUIVA	-
	QUARE REINFOR									
	ECTANGULAR R									
	TRENCH MESH V									
HE METHOD L	JSED TO LABLE F	REINFORCEMEN	I ON THE DRAW	INGS IS AS FOL	LOWS:					
4.6	BARS IN GROUP	BAR AND TYPE								
17/120-250										

17N20-250

A SPACING IN mm NOMINAL BAR SIZE IN mm

 DRAWN:
 DATE:

 WP/GL
 20.10.2022

 DESIGN:
 DATE:

 MB/DT
 19.10.2022

 DRG. CHECK:
 DATE:

 MB
 24.10.2022

 DES. CHECK:
 DATE:

 DT
 25.10.2022



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

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Т	U	V	W	Х	Y	0
ATERIALS S I DOCUMEN		ORDANCE WITH	AS4100 AND AS	1554 EXCEPT W	HERE	CONSULTANT PROJECT
ED OUT IN A	ACCORDANCE W		ITH AS 3678 U.N. ND SHALL BE GP		I.O.	IT PROJE
RRIED OUT T	49XX OR W5OX. FO AS 1554.1		ORK IS SECUREI			ECT
ARY TO STA	BILISE THE STR	UCTURE DURIN			STEEL	66
ED ON THE I	DRAWINGS.					660.30255
D DOWN TH G SUBSEQU 90°.	IE VERTICAL FAO ENT PAVING. DII	CE OF JOINTS TO MENSIONS MUS	NT (BOTH TEMP(O PREVENT THE T BE EQUIVALEN	INGRESS OF	R THE	FULL SIZE
	Y WITH RMS R83					ON ORIGINAL
SELECTION OR ROTAR I-SITU MATE OTHERWISE	N OF DRILLING E Y-PERCUSSION RIALS WITHIN T E APPROVED BY	QUIPMENT TO B METHODS AND HE DRILL HOLES THE PRINCIPAL		R EXPECTED GR R DRILLING TO E RILLING FLUIDS	OUND NSURE	0 10 20
		CASING SHALL E	DRILL-HOLE CO Be Used.	LLAPSE WHERE		+ 40
	SE OR DELETER NTRY FROM FOF		ON COMPLETIO	N OF DRILLING	AND	- 60
) IN ACCORDANC REPARED AS PEF		-	- 80
	QUIVALENT HIGH IOWN IN THE SC	H STRENGTH DE HEDULES.	FORMED BARS.			100
	T INTERVAL NO ⁻ N ACCORDANCE	T EXCEEDING 20 E WITH AS4671.	00mm.			A1
ETE COVER	R TO REINFORCE	NCE WITH AS367 EMENT FROM AIF	R = 50mm			
ACCEPTABL ACHIEVED.	E TO STRIP DRA LOCAL ADDITIO	NAL EXCAVATIO	ROUND = 75mm FION METHODOL N MAY BE REQU WIRES SO AS NO	IRED.	E	
-	BARS SHALL BE NEXT PANEL.	CLEANED TO BA	ARE MESH PRIOF	r to fixing the	Ξ	
	ED AND CUT SU VER STRIP DRA	• • • • • • • • • • • • • • • • • • • •	TWO SHEETS AF	RE LAPPED AT C	NE	
0 WITH A CO	DATING WEIGHT	OF 600G/M2.				
		D OF SOIL NAIL.	RTY CLASS 5 CC			
	SHOAL	HAVEN CIT	Y COUNCIL			
	REMEDIA	ATION DE	SIGN OF \	ARIOUS/	SITES	
TLE:	GENERA	AL NOTE	ES SHEE	T 2		
OT SCALE THI		N/A 66	DRAWIN 60.3025	NG NUMBER: 5-G-10	03 ^{ISSUE}	

		Α		В	С	D	E		F	=	G	Н	I	
	GRO	DUT	REQUIREN	IENTS			,	I				I	S	AFE
1	152.				HIGH BLEED RESI	•		AND H	HIGH FLU	JIDITY. [DO NOT USE AD	DITIVES	17	77.
	153.	. MI	INIMUM CO	MPRESS	SIVE STRENGTH OF	GROUT MUST	BE 40MPA A	AT 28 D	DAYS.				17	78.
2	154.		ROUT FLUII LAUSE 3.4.3		EED AND COMPRES	SSIVE STRENG	TH TESTING	i to be	E IN ACC	CORDAN	CE WITH TFNSV	V R64		
	<u>SOI</u>	L N/	AIL TESTIN	G PROC	EDURE								17	79.
3					CONDUCTED IN AC									30. I
	100.		AND BEARI	NG PLA	TE) TO ENSURE 200	,			ESS CAN	NBE ACH	HIEVED PRIOR T	O 80%	18	31. S
4	157.		OF THE BAI JITABILITY		LOAD. G ARE TO BE COMP	LETED PRIOR	TO INSTALL	ATION	OF PRC	DUCTIO	N NAILS.		18	32.
					ERMANENT NAILS								18	33. I
5			DCATIONS (RETE	OF THE S	SUITABILITY AND A	CCEPTANCE T	EST SOIL NA	ILS TC) BE CO	NFIRMEI	D ON SITE.			34.
	160.	. Sł	HOTCRETE	TO BE II	N ACCORDANCE W	ITH TFNSW R6	8.						18	35. I
6	161.				SIVE STRENGTH OF							IITED	H	OLD
0	162.	. Sł	HOTCRETE	MIX DES	SIGN TO EXPOSURE	E CLASSIFICAT	TION B:2 IN A	CCORI	DANCE	WITH TF	NSW R64 CLAU	SE 2.3.3.		36.
					Y TESTING IN ACCO								18	37.
7		C	OVER.								NOOF OF ABE			
			BRECRETE	TO BE I	N ACCORDANCE W	ITH TENSW B8	2						18	38.
8		. MI	NIMUM CO	MPRESS	SIVE STRENGTH OF	FIBRECRETE	MUST BE 401					IITED		
	167.				ETE IN ACCORDAN SIGN TO EXPOSURI							SE 2.3.3.		
9					Y TESTING IN ACCO									
	169.		PPROPRIAT OVER.	E THICK	(NESS GAUGES SH	ALL BE FIXED	TO THE STEE	Elwof	RKS TO .	ALLOW I	PROOF OF ADE	QUATE	18	39. I
10			AGE (SOIL N		-									
					FILTER DRAIN (FLE) RIP DRAINS DAYLIG		,				E WITH TENSW	QA3557.		ĺ
11	172.		OPE STRIP		O BE CORRUGATE		ORATED AND) MUST	T BE INS	TALLED	DIAGONALLY A	CROSS	19	90.
	173.	. S1	FRIP DRAIN		BE CHASED INTO S	SOIL SLOPE TO) ALLOW FUL	L SHC	TCRET	E THICKI	NESS AT ALL		19	91.
12	174.		DCATIONS. HERE CON	NECTIO	N IS TO BE MADE T	O AN EXISTING	G DRAINAGE	STRU	CTURE (OR OPEI	N DRAIN THE PC	SITION		
					TING DRAINAGE STI					TO CON	STRUCTION. BL	END		
13			ICATIONS (<u>.</u>									
	175.		L SOIL NAI PECIFICATI		TERIALS AND WOF	RK IS TO COMF	PLY WITH THE	e foll	OWING	TFNSW	PROJECT SPEC	CIFIC		
11			R64 SOIL	_	; WITHOUT FIBRES								19	92.
14				_	WITH FIBRES									
	470		R178 REV	_	-					TENOW				
15	176.			-	TERIALS AND WOF			= FOLL		IFNSW	QA STANDARD			
				-	XIBLE PIPES OR GENERAL USE	MORTAR AND	GROUT							
16					GABIONS AND MA	_	GROOT						4.0	
			R63 GEOT		-		_						19	93. 3
17				_	ND MODIFIED PAVE		Ξ							l
18														
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											SLR CON MUST NO	WING IS THE PR ISULTING AUSTF F BE RETAINED,	RALIA AND COPIED OR	,
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Pi 22-Feb-2	RE 	1	24.02.202	23 ISS	UED FOR CONS	STRUCTION				DT	Responsible P	rincipal Signatur	e Date	D
-			DATE		C	ESCRIPTION								

J	K L	-	M	N	Ο	Р	Q	R	S	T	U	V	W	X	Y
	\$					<u> </u>		D	INSPECTION & A	PPROVAL OF STE	EEL SURFACES	PRIOR TO PAIN	LING AND PROT		 IGS.
RAIL AND RA	- IL STIFFENING PIECES ARI	E FROM 2	.7 OR 3.5 BMT 0	RADE HA350 S	STEEL TO AS 15	94 AND HOT DIP			REVIEW & RELE						
GALVANISED	TO AS 4680 AFTER FABRI							F.	INSPECTION OF	ERECTED STEEL	WORK PRIOR	TO ANY COVERII	NGS.		
	0/2.7 BMT (OR SIMILAR).							194. S	DIL NAILS AND SH	OTCRETE FACINO	3				
	CAN BE SUPPLIED CURVE A MINIMUM RADIUS OF 600		NIMUM RADIUS	OF 5000. RAIL	3.5BMT CAN BE	SUPPLIED		A	REVIEW & RELE	ASE OF MATERIA	L CERTIFICATE	S (TFNSW R64 C	E. 2.1).		
	BLOCKOUT PIECES ARE FF TO AS 4680 AFTER FABRI		MT PLATE GRA	DE HA300 STEI	EL TO AS 1594 A	ND HOT DIP		B	REVIEW & RELEA TFNSW R68 CL.		ND SHOTCRET	e MIX, INCLUDIN	G TEST RESULT	S (TFNSW R64	CL. 2.2.7 &
BMT = BASE	METAL THICKNESS.							С	REVIEW & RELE	ASE OF CONSTRU	JCTION METHC	D STATEMENT (TFNSW R64 3.1).		
STEEL BASE	PLATE AND BOTTOM PLAT	TE ARE TO) AS 3678, GRAI	DE HD250. POS	TS TO BE WELL	ED TO BASE		D	INSPECTION & A	PPROVAL OF EX	TENT OF WORK	S AND SET-OUT	OF NAIL LOCAT	IONS.	
PLATE. POST	S AND PLATES HOT DIP G	GALVANISE	ED TO AS 4680 A	FTER FABRIC	ATION			E	WITNESS OF INS	STALLATION OF P	RODUCTION N	AILS (TFNSW R64	4 CL. 3.4).		
	DLTS TO AS 1111 (GRADE 4 NISED THREADS. BLACK ST	,		•	,		ТО	F.	WITNESS OF EX	POSED SLOPE FA	ACE AFTER CLE	ARING OF EACH	SECTION (TFNS	3W R64 CL. 3.3)	
	HALL BE HOT DIP GALVANI							G	INSPECTION & A	PPROVAL OF GR	OUTING OF NA	LS (R64 CL 3. 4.	3. 4).		
NUTS SHALL	BE SNUG TIGHT TO AS 410	00.						Н	REVIEW & APPR	OVAL OF SUITAB	ILITY TEST REC	ORD (TFNSW R	64 CL. 5.2.1).		
TERMINAL CO	ONNECTORS ARE FROM 2.	.7 BMT GR	ADE HA350 STE	EEL TO AS 1594	4 AND HOT DIP	GALVANISED TO	AS	I.	REVIEW & APPR	OVAL OF TEST R	ESULTS FOR A	CCEPTANCE TES	ST NAILS (TFNSV	V R64 CL. 5.2.2).	
4680 AFTER I	FABRICATION.							J. INSPECTION & APPROVAL OF SURFACE PREPARATION FOR MESH PLACEMENT AND SHOTCRETING TFNSW							
	ARE SUBJECT TO MANUF			S EXCEPT WH	ERE ALLOWABL	E TOLERANCES				NSW R68 CL. 4.2).					
	INESS POINTS AND APPRO		DATIOFT RIJZ.						WITNESS OF SH				AGE (R68 CL. 5.5	AND CL. 5.6).	
•									WITNESS OF SH		,	,	-)		
	QUALIFIED GEOETCHNICA AND DESIGN ASSUMPTIO					KUCTION. GROU	ND	Μ	REVIEW & APPR	OVAL OF SHOTCI	RETE TEST RES	SULTS (R68 CL 8.	.5).		
	ACTOR SHALL PROVIDE TO ANY INSPECTION AND 7 D						,								
THE GENERA	AL AND PROJECT START U	JP MANDA ⁻	TORY HOLD PO	INTS ARE:											
A. REVIEW &	RELEASE OF WHS PLAN,	, INCLUDIN	IG SWMS.												
B. REVIEW &	RELEASE OF CONSTRUC	CTION STA	GING PLANS.												
C. REVIEW &	& RELEASE OF CONSTRUC	CTION PRC)GRAM.												
D. REVIEW &	& RELEASE OF CONSTRUC	CTION ENV	IRONMENTAL S	SITE MANAGEN	IENT PLAN (CEN	1P).									
E. REVIEW &	& RELEASE OF PROJECT Q	QUALITY P	LAN (INCLUDIN	G ITP'S)											
DEMOLITION	(AS REQUIRED)														

- A. REVIEW & RELEASE OF METHODOLOGY FOR DEMOLITION.
- B. WITNESS PRIOR TO COMMENCEMENT OF DEMOLITION.
- C. PROVISION OF ANY LICENSES AND AUTHORITY APPROVALS.
- SURVEY AND SET OUT

EXCAVATION AND EARTHWORKS

- A. REVIEW & RELEASE OF METHODOLOGY FOR EXCAVATION, SHORING AND FILLING.
- B. REVIEW & RELEASE OF IMPORTED FILL MATERIAL.
- i. PROVIDE EVIDENCE OF SERVICE LOCATION, PRIOR TO ANY EXCAVATION, AND COMPLY TO THE PRINCIPAL'S EXCAVATION PERMIT REQUIREMENTS.
- ii. DENSITY TEST RESULTS OF FILLED AND COMPACTED MATERIAL.
- C. WTINESS BEARING CAPACITY OF EXCAVATIONS PRIOR TO POURING OF ANY FOUNDATIONS BY GEOTECHNICAL ENGINEER.

CONCRETE

- A. REVIEW & RELEASE OF CONCRETE MIX DESIGN. THIS INCLUDES ASSESSMENT OF SLUMP TEST RESULTS ON CONCRETE DELIVERY.
- B. REVIEW & RELEASE OF CONCRETE SURFACES (AND REINFORCEMENT CONDITION) FOLLOWING DEMOLITION, SCABBLING, CUTTING AND SAWING.
- C. WITNESS OF COMPLETED REINFORCEMENT FIXED IN PLACE.
- D. WITNESS OF COMPLETED FORMWORK.
- E. REVIEW & APPROVAL OF CONCRETE TEST RESULTS.
- F. WITNESS PRIOR TO POURING CONCRETE.
- STRUCTURAL STEEL AND OTHER METALS
- A. SHOP DETAILS FOR REVIEW AND COMMENT.
- B. INSPECTION & APPROVAL OF FABRICATED ELEMENTS PRIOR TO DELIVERY.
- C. WELD TESTING RESULTS, PRIOR TO DELIVERY.



SHOALHAVEN CITY COUNCIL

LANDSLIDE REMEDIATION DESIGN OF VARIOUS SITES

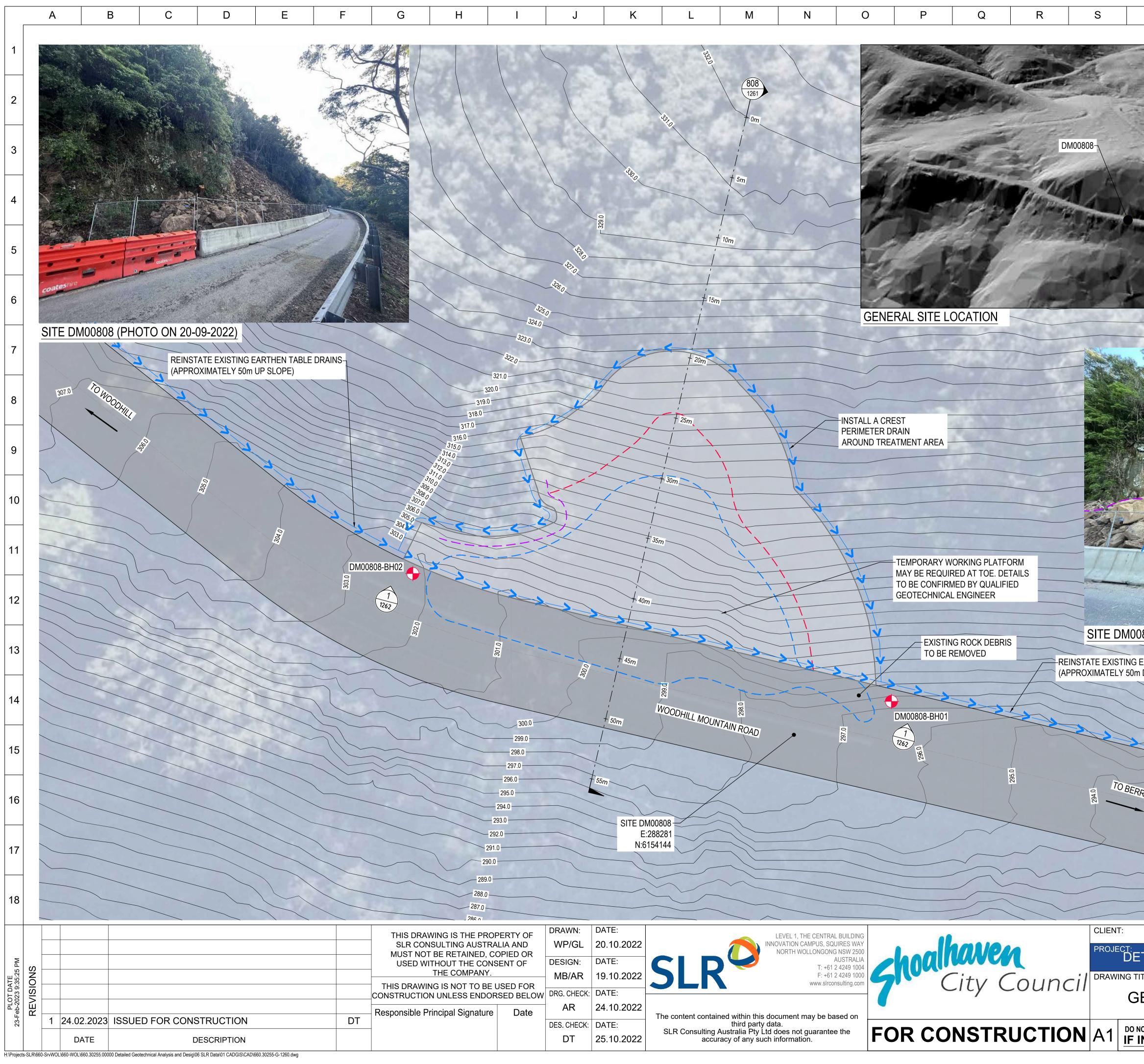
GENERAL NOTES SHEET 3

DRAWING NUMBER: 660.30255-G-1004 ISSUE

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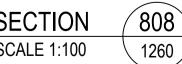
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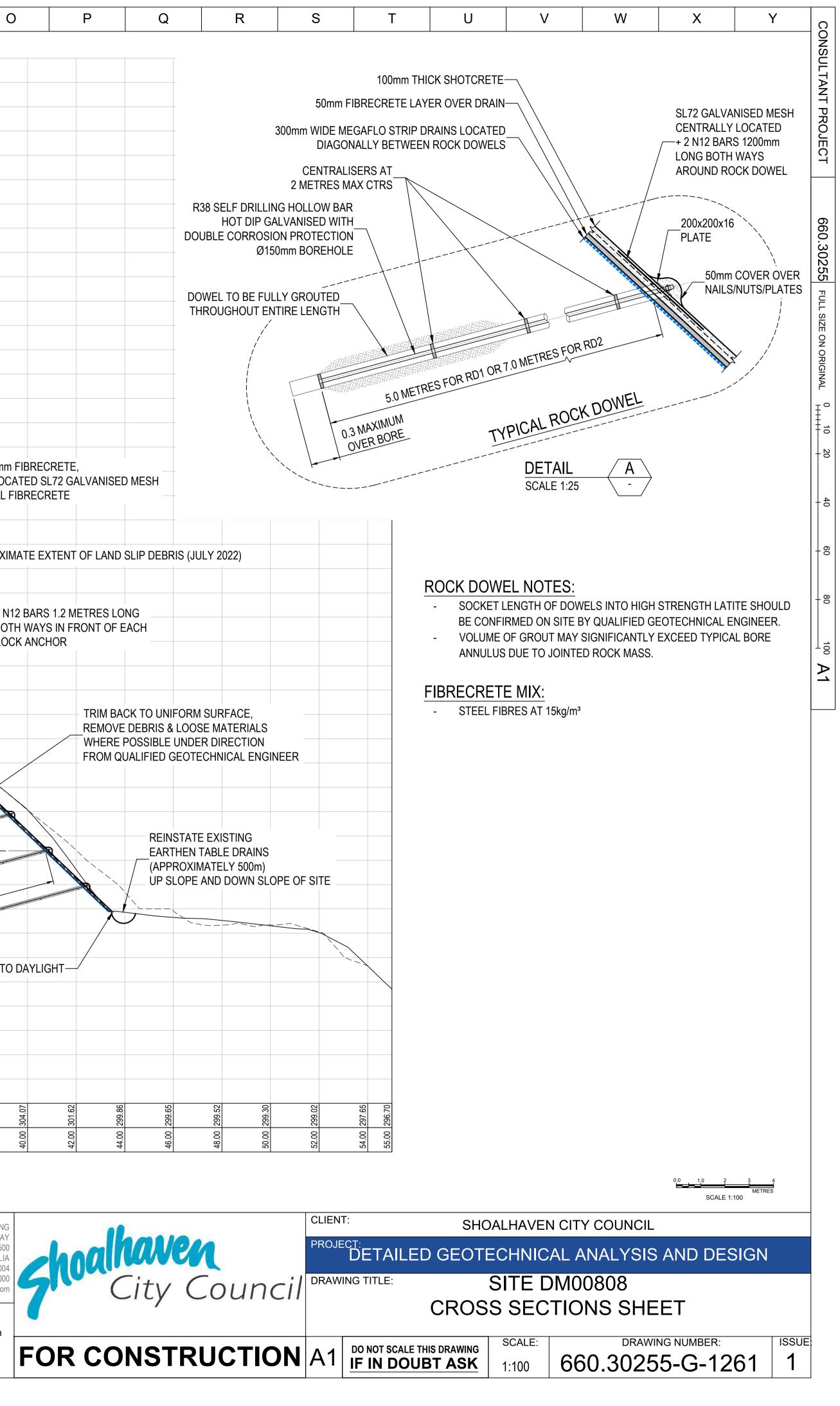
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						- 40
						+ 60
						100 A1
0808 (PHC)TO ON 20-()9-2022 <u>)</u>				
EARTHEN TA						
	TOBE	ASUREMENTS A		TE ONLY AND	ARE	
RRY	LEGE	EXISTIN EXISTIN EXTENT 00 SLR BOF EXISTIN STABILIS (SEE SH FAILURE	G SURFACE G ROAD OF SITE WORKS RE HOLE G TABLE DRAIN SING ROCK TRE EETS 1261, 1262 E HEAD SCARP BEDROCK OUTC	TO BE REINST ATMENT AREA 2 & 1263)		
			DEBRIS (JULY 20		4 6 8 MOVED SCALE 1:200	
	SHOAL	HAVEN CITY	Y COUNCIL			
		HNICAL A		AND DE	SIGN	
BENER		TE DMO		OUT PI	_AN	
NOT SCALE THIS		CALE: :150 66	DRAWIN	IG NUMBER: 5-G-12	1880E	

	/	A B	C D	E	F	G H	I	J		K	L	M	N	0		P Q	R	S
1		335m- 334m-																
		333m-															-	50mm FIBRE
2		332m																300mm WIDE MEGAF DIAGONALL
	_	330m-															_	CENTRALISER 2 METRES MAX C
3		329m-																RILLING HOLLOW BAR
	_	328m-															DOUBLE CORR	ROSION PROTECTION $\overline{\ }$
4		327m-															+	Ø150mm BOREHOLE
	_							PRE-FAILUF	RE SURFA	ACE							DOWEL TO BE	E FULLY GROUTED
5		324m-					A		LY								THROUGHOU	T ENTIRE LENGTH
		323m-		FORM DRA	N AROUND TREATM	ENT AREA			>	/MAIN HEA	D SCARP						- /	
		322m-									RHANGIN	IG LOOSE SE	CTIONS				- [
6		321m-								/ <u> </u>							-	
	_	320m-					ATED			/							- ',	0.3 MA OVEF
7							15					DR	AINAGE OVERLAIN	BY 50mm FI	BRECRETE	 _,		OVER
	_	318m- 317m-					70					OV	ERLAIN BY CENTR/	ALLY LOCAT	ED SL72 G	ALVANISED MESH	_	
8		316m-				202-13	1.0	NO M										
		315m-							2	160								
	_	료 314m-				RD2-12			15°		X			APPROXIMA		I OF LAND SLIP DEB		
9		집 313m-					RD1-11		5	0.0		<u>``</u> .						
	_	312m-					RD1-10-		- Jamasan and a start of the st		MA			BOTH	WAYS IN F			
10								RD1-9-	*		X			ROCK	ANCHOR			
	_									C. Service	The second se	P						
		308m-						RD1-8	8—					-		TRIM BACK TO UN	IFORM SURFACE,	
		307m-							RD1-7-		1					REMOVE DEBRIS	& LOOSE MATERIA	ALS
	_	306m-								RD1-6								
12	2	305m-								DD1 5			12					
	_	304m-								КD1-5—								
13	3	303m-									RD1-4	/						
											F	RD1-3-	15°	and the second se			PROXIMATELY 500)m)
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14	ŀ	299m-															· · · · · · · · · · · · · · · · · · ·	
		298m-											RD1-1-					
15	5	297m-											SIKIP	JRAIN TO DA				
	_	296m-																
16	\$	295m-																
		294m-																
	1	293m-					+	~			~							
17		ORIGINAL GROUND (RLm)	331.62	330.089	0 329.25 328.25 0	0 326.8t 325.43 325.43	0 322.45	0 320.98 0 319.51) 318.05	316.20	0 314.05	0 311.97 0 309.84	0 307.75	0 305.74	304.07	0 299.86	0 299.52	0 299.3C 299.02 297.65
10		CHAINAGE (m) 8	2.00	8.00	10.0 12.0(14:0 16:0(50000 50000 500000	<u>22.0</u> 24.00	26.00	28.0	secti	33 ¹ 0 34 0 NO	100 100 100 100 100 100 100 100 100 100	38.0 40.00	40.0 42 0C	44.00 46.01	48.00	50.00 52.00 54.00
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						SLR CONSULTING	AUSTRALIA AND	WP/GL	20.10.	2022			INNOVATION CAMPUS, SO	AL BUILDING QUIRES WAY G NSW 2500		alha	PAA	PROJECT
						USED WITHOUT TH	HE CONSENT OF	DESIGN:	DATE:		R		T: +61	AUSTRALIA 2 4249 1004 2 4249 1000	2h	Dalland		
T DATE																		
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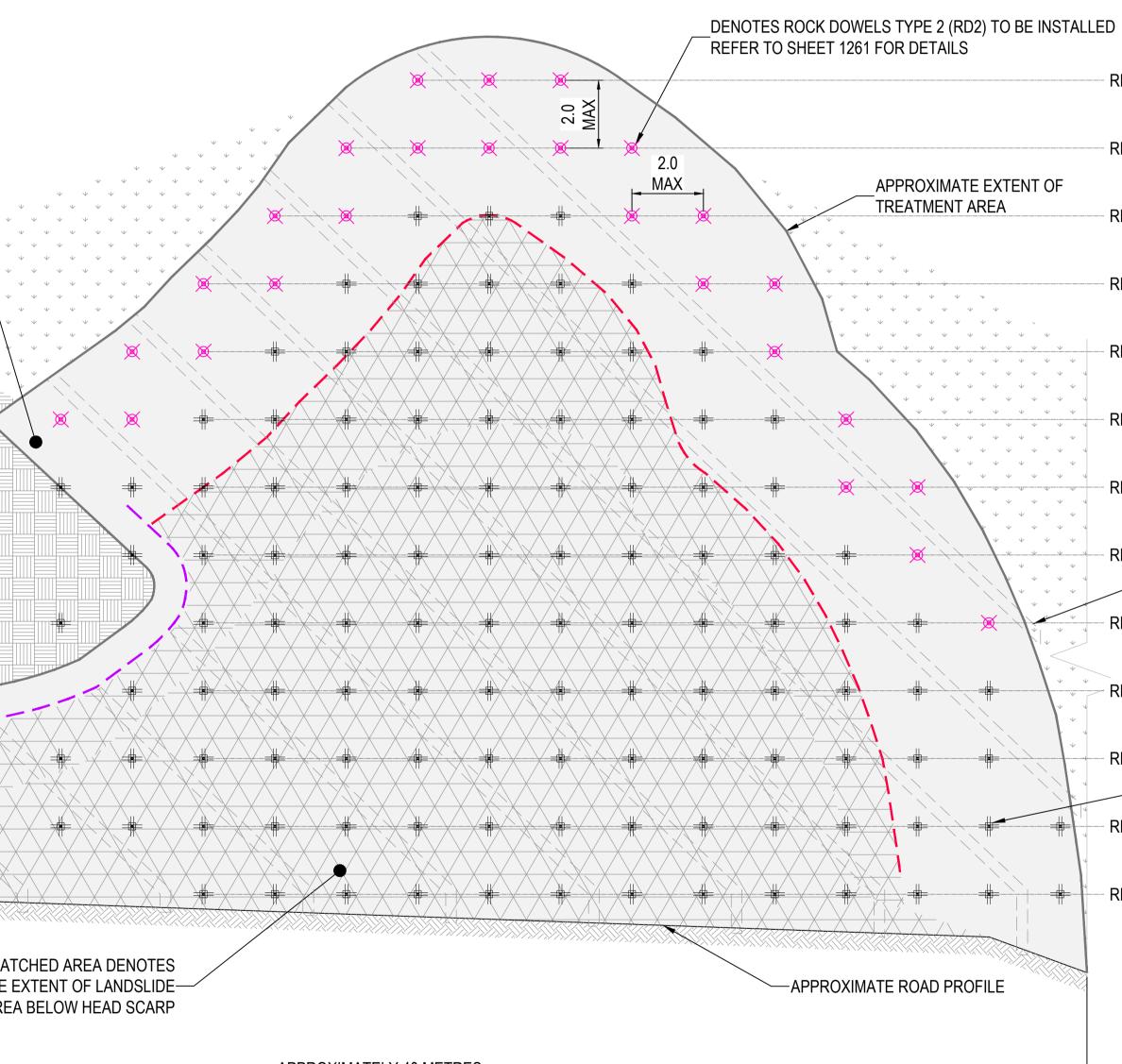
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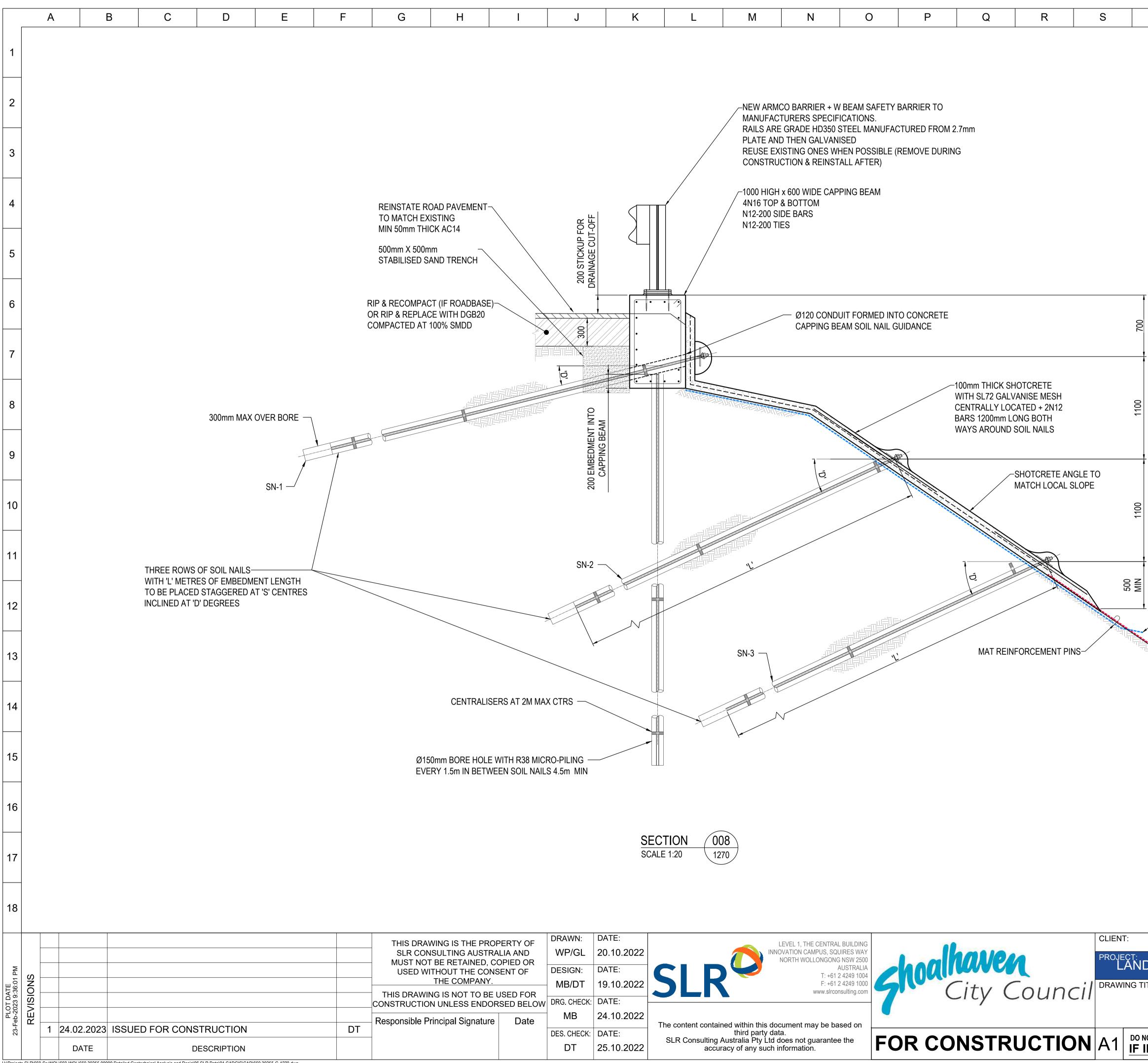
A B C D	E F G H I J K L M N O P Q R S T U V W X Y
	ROCK DOWEL SCHEDULE
	LOCATIONSOIL NAIL TYPESOIL NAIL SOIL NAILSOIL NAIL LENGTHSOIL NAIL LENGTHULTIMATE LOADBORE HOLE DIAMETER MENTVERTICAL SPACING [m]ANGLE FROM HORIZONTAL HORIZONTAL [m]MINIMUM PLATE SIZE [mm]APPROXIMATE MAXIMUM RL [m]
	RDX-1 301.2 RDX-2 303.2
	RDX-3
	RDX-4 RDX-5 R38 5.0 150.0 2.0 2.0 15° 200x200x16 309.2
	SITE DM00808 RDX-6 313.2
	RDX-8
	RDX-9 317.2 RDX-10 319.2
	RD2-X RDX-11 R38 7.0 150.0 150 2.0 2.0 15° 200x20x16 321.2
	RDX-12 RDX-12 RDX-13 RDX-10 RDX-10 RDX-10 RDX-10
	NOTE: RD1-X- MAY EXTEND UNTIL RD1-11 AND RD2 MAY START FROM RD2-5, TO BE CHECKED DURING EARLY WORKS. RLS ARE TIED TO ID NOT TYPE
	DENOTES ROCK DOWELS TYPE 2 (RD2) TO BE INSTALLED
	1 METRE OVERLAP OF FIBRECRETE
	INTACT BEDROCK TO REMAIN
	WITH ROCK DOWELS INSTALLED AT
	A QUALIFIED GEOTECHNICAL
	(INDICATIVE LAYOUTSHOWN SUBJECT TO CHANGE ON SITE
	$\mathbf{RDX-10}$
	Image: Second secon
	RDX-7
	RDX-6 300mm WIDE MEGAFLO STRIP DRAINS PLACED
	DIAGONALLY TO DAYLIGHT IN BETWEEN
	RDX-5
	RDX-4
	DENOTES ROCK DOWELS TYPE 1 (RD1) TO BE INSTALLED
	CROSS-HATCHED AREA DENOTES APPROXIMATE EXTENT OF LANDSLIDE APPROXIMATE ROAD PROFILE
	AFFECTED AREA BELOW HEAD SCARP
	APPROXIMATELY 40 METRES
	ELEVATION 1 SCALE 1:100 1260
	0.0 1.0 2 3 ME SCALE 1:100
	THIS DRAWING IS THE PROPERTY OF DRAWN: DATE:
	SLR CONSULTING AUSTRALIA AND MUST NOT BE RETAINED, COPIED OR MUST NOT BE RETAINED, COPIED OR MUST NOT BE RETAINED, COPIED OR MUST NOT BE RETAINED, COPIED OR
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	THE COMPANY. MB/AR 19.10.2022 THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS ENDORSED BELOW MB/AR 19.10.2022 DRG. CHECK: DATE: SITE DM00808 DRG. CHECK: DATE:
	Responsible Principal Signature Date AR 24.10.2022 The content contained within this document may be based on
1 24.02.2023 ISSUED FOR CONSTRUCTION	DI DES. CHECK: DATE: Check: DATE: Check: DATE: DES. CHECK: DATE: D
DATE DESCRIPTION	DT 25.10.2022 DT 25.10.2022 EXClosulting Australia Pty Ltd does not guarantee the accuracy of any such information. FOR CONSTRUCTION A1 IFIN DOUBTASK 1:100 660.30255-G-1262







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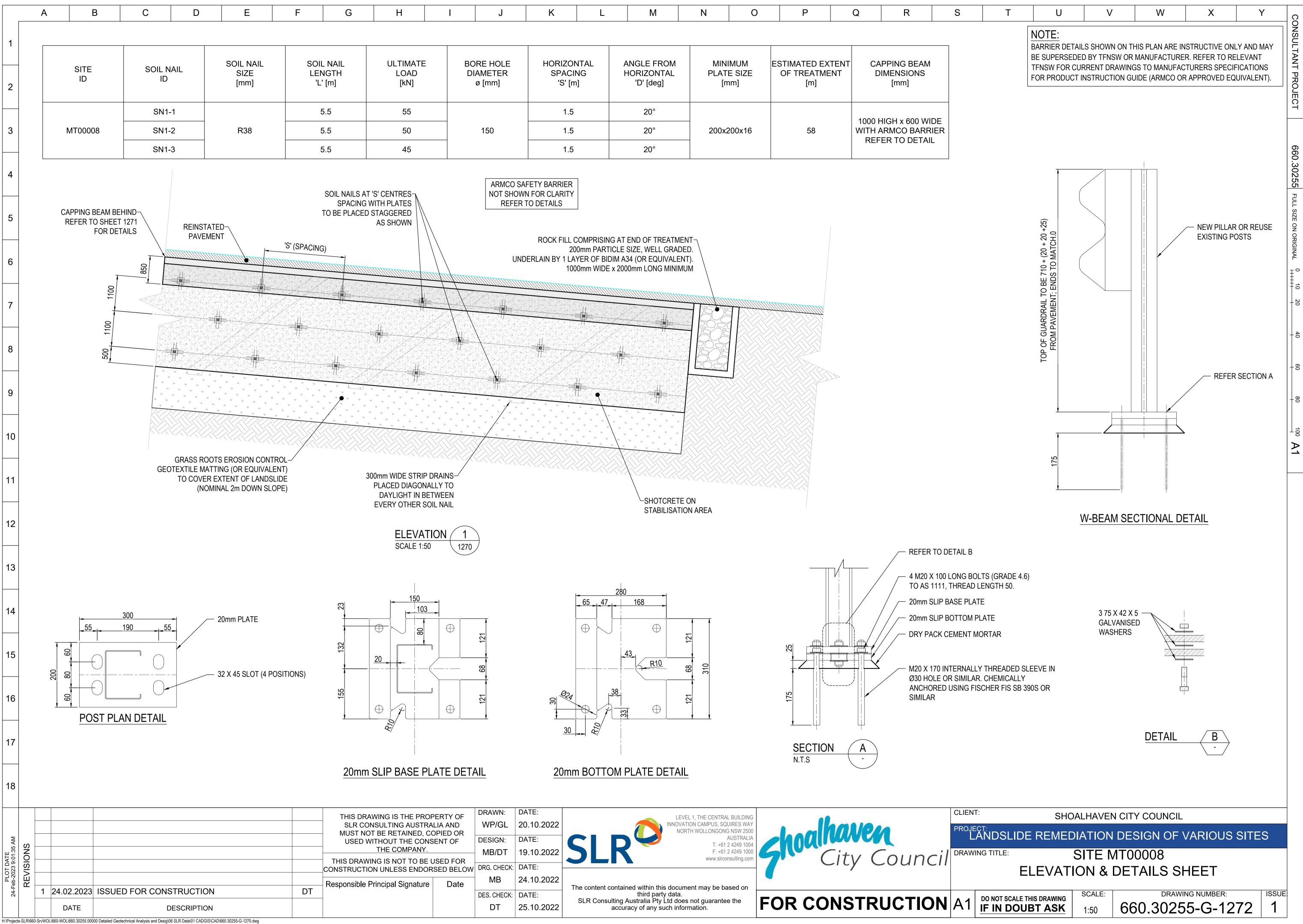
	0.30255 FULL SIZE ON ORIGINAL	
	INAL 0 10 20	
	40 60	
	80 100	
	° A1	
-STRIP DRAIN TO DAYLIGHT -GRASS ROOTS EROSION CONTROL GEOTEXTILE MATTING (OR EQUIVALENT) TO COVER EXTENT OF LANDSLIDE, OR AS REQUIRED		
0.0 200 400 600 800 MILLIMETRES SCALE 1:20		
SHOALHAVEN CITY COUNCIL		
IDSLIDE REMEDIATION DESIGN OF VARIOUS SITES ITTLE: SITE MT00008		
TYPICAL CROSS SECTION SHEET		
NOT SCALE THIS DRAWING IN DOUBT ASK 1:20 CRAWING NUMBER: ISSUE		

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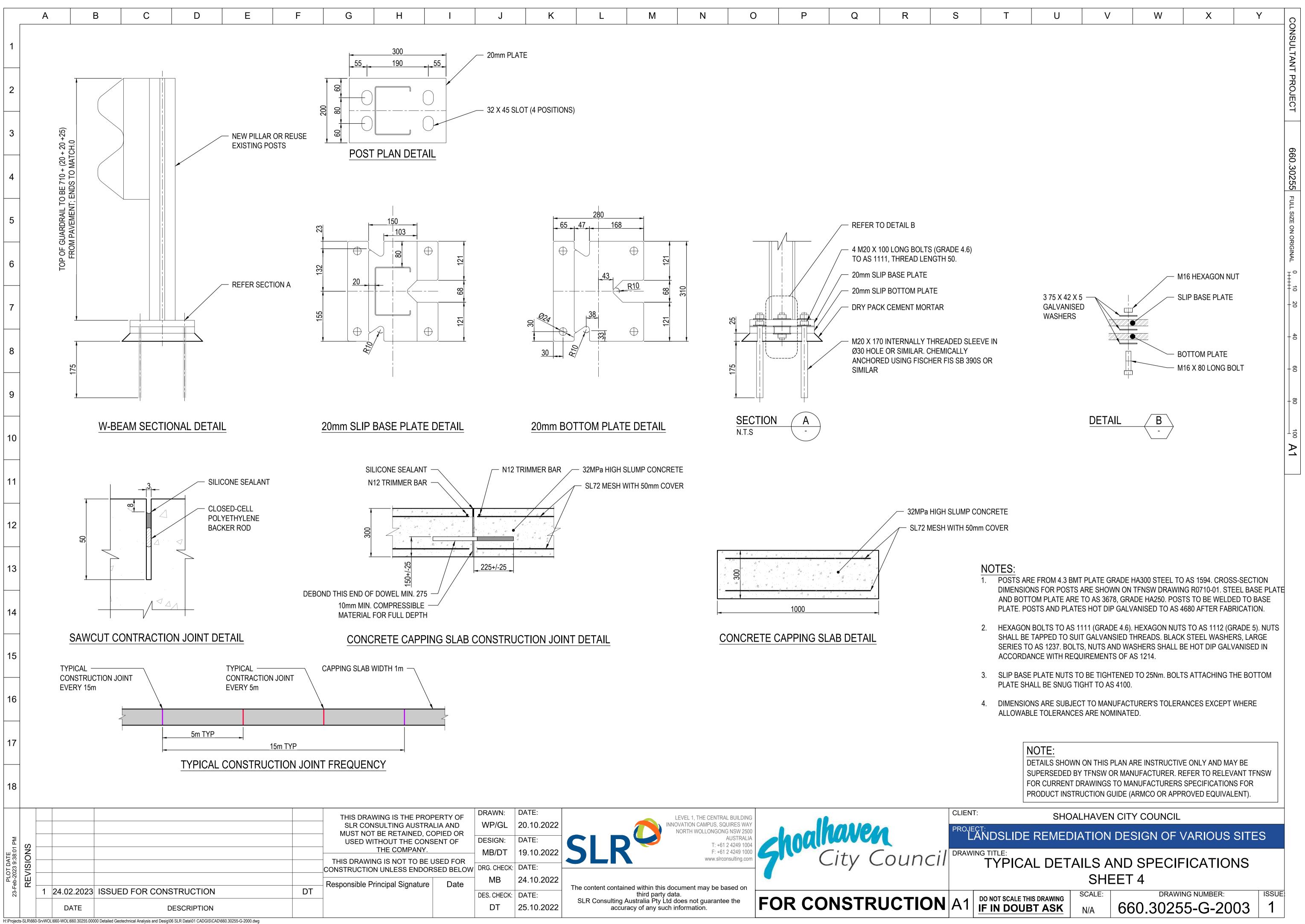
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ORE HOLE AMETER ø [mm]	HORIZONTAL SPACING 'S' [m]	ANGLE FROM HORIZONTAL 'D' [deg]	MINIMUM PLATE SIZE [mm]	ESTIMATED EXTENT OF TREATMENT [m]	CAPPING BEAM DIMENSIONS [mm]
	1.5	20°			
150	1.5	20°	200x200x16	58	1000 HIGH x 600 WIDE WITH ARMCO BARRIER
	1.5	20°			REFER TO DETAIL



J K L M N O P Q R S											
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1														
2	3		RECORD NUMBER		LOCATI	ON	ESTIMATED I OF TREATM			STACKS OF ABION BASK R-MASS-BLO	ET	NUMBEI SOIL NAIL		NA
			~~~~~		<u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u>	<u>v ~~~ v</u>	<u></u> 45	~~~~		1		2		~~~
3			SH00290		Bamaran	g Rd	25			NO		2		
4			AC00088		Bunkers H	ill Rd	20			0		2		~~
	-		DM00610		Hughes	Rd	20			1 (20m)		2		
5			DM00611		Hughes	Rd	30			1 (20m) 0 (10m)		2		
	-		DM00718		Mount Sca	nzi Rd	55			1 (18m) 0 (37m)		2		
6			DM00755		Mount Sca	nzi Rd	20			1 (20m)		2		
			DM00863		Wattamol	la Rd	25			0		2		
7			MT00008		Woodhill Mou	ıntain Rd	64			0		3		
8	3		DM00899	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Bamaran	g Rd	22	~~~~~		0	$\sim$	2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	$\sim$
			DM00548		Bunkers H	lill Rd	20			0		4		
9			NH00011		Upper Kangaro	o River Rd	25			0	~~~~	3		
10			DM00549		Bunkers H	lill Rd	40			0		1		
			DM00869		Bunkers H	lill Rd	20			0		2		
11			DM00870		Bunkers H		35 42			0		1		
			DM00808		Woodhill Mou		40			0		13		
12		SH0 DM0	ST OF SITE 0282 00890 00292	ES R	EMOVED FR	OM TABLE								
13	_													
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18			DTE: ER TO 2002 F	OR AE	BREVIATIONS DE	FINITIONS								
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		SOIL NAIL SCHE	DULE									
NAIL SIZE (mm)	SOIL NAIL HORIZONTAL SPACING_'S'_(m),		CE FROM ROAD FACE	SOIL NAIL LENGTH 'L' (m)	ULTIMATE LOAD (kN)	BOREHOLE DIAMETER (mm)	ANGLE FROM HORIZONTAL Ø		SOCKET	LENGTH (m)	TRAFFIC BARRIER REQUIRED	
		SN-1	0.8	4.5	25	150	15	200 x 200 x 16	1.0m	into EW		
R38	1.5	SN-2	2.3	4.5	25	150	15	200 x 200 x 16	1.0m	into EW	– No	
Dao	4.5	SN-1	At the toe of dry stack wall	5.5	25	150	90	200 x 200 x 16	1.0m	into EW	No	
R38	1.5	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	
R38	1.5	SN-1	0.8	4	25	- 150	15	200 x 200 x 16	1 0m	into COL	No	
1.00	1.0	SN-2	2.3	4	25	100		200 x 200 x 10				
R38	1.5	SN-1 SN-2	0.8	6 5.5	<u> </u>	150	15	200 x 200 x 16		into RES into RES	No	
D20	1 5	SN-1	0.8	5.5	30	150	15	200 x 200 x 16		into RES	No	
R38	1.5	SN-2	2.3	6	35	150	15	200 x 200 x 16	2.5m	into RES	– No	
R38	1.5	SN-1 SN-2	0.8	7	50	150	15	200 x 200 x 16	1.5m	n into EW	No	
<b>—</b> ——		SN-1	0.8	3	20	1-0			3.0m	into COL		
R38	1.5	SN-2	2.3	2.5	15	- 150	15	200 x 200 x 16		into COL	– No	-
R38	1.5	SN-1	0.8	4	25	150	15	200 x 200 x 16	4.0m	into COL	No	
N30	1.5	SN-2	2.3	4	30	150	15	200 x 200 x 10	4.011		INO	
		SN-1	0.7	-	55	_			1.0m	into RES	_	-
R38	1.5	SN-2	2.2	5.5	50	150	20	200 x 200 x 16		into RES	Yes	
		SN-3	3.7		45					into RES		
R38	1.5	SN-1 SN-2	0.8	5.5	40	150	15	200 x 200 x 16		to RES/EW	No	-
~~ ~ ~ ~ ~		SN-1	0.8	2.5	18		* * * * * * * * *			<u> </u>	Yes (pile	
D20	2.5	SN-2	2.8	3	23	150	20	200 x 200 x 16	1.0m in		section);	
R38	2.5	SN-3	4.8	3	23	150	20	200 x 200 x 16	T.Om In	to RES/EW	No (soil nail	
		SN-4	6.8	2.5	18						section)	
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~	0.8		70				1.0m in	tó RÊŜ/ÈW		
R38	1.5	SN-2	2.3	8.5	65	150	15	200 x 200 x 16	2.0m in	to RES/EW	No	
		SN-3	3.8		55				3.0m in	to RES/EW		
R38	10.0	SN-1	0.35	7		150	15	ANCON	1.5m	into MW	Yes	
R38	15	SN-1	0.7	7		150	15	200 x 200 x 16	2 Om ir	nto HW/MW		
N30	1.5	SN-2	2.2	1		100	15		2.0m lr		No	
R38	8.0	SN-1	0.35	7		150	15	ANCON	2.0m ir	nto HW/MW		
R38	10.0	SN-1	0.35	7		150	15	ANCON	1.5m	into MW	No	
				SEE 1260 to	5 1262 FOR DET	AILS					No	



SHOALHAVEN CITY COUNCIL

PROJECT: LANDSLIDE REMEDIATION DESIGN OF VARIOUS SITES

Council TYPICAL DETAILS AND SPECIFICATIONS

SHEET 9 SCALE:

N/A

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DRAWING NUMBER: 660.30255-G-2014 ISSUE: 3