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				w-	N E	660.302
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1			(1 OF 2)			EDULE (2 OF 2)						COORDIN			
	DRAWING NUMBER	DR	RAWING TITLE	DRAWING NUMBER	2	DRAWING TITLE				SITE NUMBEI	R S		EASTING	NOR	THING
	660.30255-G-1000	COVER SHEET & SITES LOCALITY PLA		660.30255-G-1200	SITE DM00583 - GENERAL	ARRANGEMENT LAYOUT PLA	AN			DM00865	Abernathys I	Rd	266450	614	5038
Z	660.30255-G-1001			660.30255-G-1201	SITE DM00583 - CROSS SE	CTIONS SHEET				SH00290	Bamarang R	d	271979	613	5292
	660 30255-G-1002	GENERAL NOTES SHEET 2		660 30255-G-1210	SITE DM00828 - GENERAL					DM00706	Browns Mou	ntain Rd	273244	614	5779
	660 30255-G-1004	GENERAL NOTES SHEET 3		000.30233-G-1210	STE DW00020 - GENERAE					AC00088	Bunkers Hill	Rd	274285	615	,9006
3										DM00548	Bunkers Hill	Rd	275018	616	0966
	660.30255-G-1010	SITE DM00865 - GENERAL ARRANGEN	MENT LAYOUT PLAN	660.30255-G-1220	SITE NH00011 - GENERAL A	ARRANGEMENT LAYOUT PLA	N			DM00549	Bunkers Hill	Rd	274459	615	9432
1										DM00869	Bunkers Hill	Rd	274354	615	9116
4	660.30255-G-1020	SITE SH00290 - GENERAL ARRANGEN	MENT LAYOUT PLAN	660.30255-G-1230	SITE DM00513 - GENERAL	ARRANGEMENT LAYOUT PLA	AN			DM00870	Bunkers Hill	Rd	274402	615	9173
				660.30255-G-1231	SITE DM00513 - CROSS SE	CTIONS SHEET				SH00282	Burrier Rd		267939	613	/163
5	660.30255-G-1030	SITE DM00706 - GENERAL ARRANGEN		660.30255-G-1232	SITE DM00513 - DETAILS S	HEET 1				SH00288	Burrier Rd		271051	613	5673
5	660.30255-G-1031	SITE DM00706 - CROSS SECTIONS SH	HEET	660.30255-G-1233	SITE DM00513 - DETAILS S	HEET 2				SH00292	Burrier Ra		268817	613	6420
	660 30255 C 1040			660 30255 C 1240			ANI			DIM00555	Foremans R	0 -l	287060	015	
6	000.30233-G-1040	SHE ACOUCO - GENERAL ARRANGEN		000.30233-6-1240	SITE DIVIDUOUS - GENERAL /					DIM00882	Foremans R	a	287028	615	5134
0	660.30255-G-1050	SITE DM00548 - GENERAL ARRANGEN	MENT LAYOUT PLAN	660.30255-G-1250	SITE SH00276 - GENERAL A	ARRANGEMENT LAYOUT PLA	N			DIM00610	Hughes Rd		267764	614	0045
	660.30255-G-1051	SITE DM00548 - DETAILS SHEET								DIM00611	Hugnes Ru		26/7/5	614	
7				660.30255-G-1260	SITE DM00808 - GENERAL	ARRANGEMENT LAYOUT PLA	AN				Kongeres V/s		2/9846	615	2099
1	660.30255-G-1060	SITE DM00549 - GENERAL ARRANGEN	MENT LAYOUT PLAN	660.30255-G-1261	SITE DM00808 - CROSS SE	CTIONS SHEET						אווכא ו <i>ר</i> ע 	2/9546	615	
				660.30255-G-1262	SITE DM00808 - TREATMEN	NT ELEVATION SHEET				DM00533	Mount Scanz		268294	614	9004
0	660.30255-G-1070	SITE DM00869 - GENERAL ARRANGEN	MENT LAYOUT PLAN							DM00577	Mount Scanz		269153	615	
0	660.30255-G-1071	SITE DM00869 - CROSS SECTIONS SH	HEET	660.30255-G-1270	SITE MT00008 - GENERAL A	ARRANGEMENT LAYOUT PLA	N			DM00718	Mount Scanz		269141	615	
				660.30255-G-1271	SITE MT00008 - CROSS SE	CTIONS SHEET				DIM00755	Mount Scanz		208187	614	9300
0	660.30255-G-1080	SITE DM00870 - GENERAL ARRANGEN	MENT LAYOUT PLAN	660.30255-G-1272	SITE MT00008 - ELEVATION	N & DETAILS SHEET				DIVI00757	Mount Scanz		208400	014	40000
9	660 30255 C 1090			660 30255 C 1280			N			DIVI00864	Mount Scanz		268507	614	9629
	000.30233-G-1030	SHE SHOUZOZ - GENERAL ANNANGEN		660 30255-G-1280	SITE NR00016 - CROSS SE	CTIONS SHEET					Mount Scanz	ZI RU Droop Divor Dd		615	9000
	660.30255-G-1100	SITE SH00288 - GENERAL ARRANGEM	MENT LAYOUT PLAN										210110	610	0907
				660.30255-G-1290	SITE AQ00001 - GENERAL A	ARRANGEMENT LAYOUT PLA	N			DIVI00828			280238	010	
	660.30255-G-1110	SITE SH00292 - GENERAL ARRANGEN	MENT LAYOUT PLAN										279513	615	7304
1				660.30255-G-1300	SITE DM00523 - GENERAL	ARRANGEMENT LAYOUT PLA	٨N			DIVIUUDIS		עט 		615	4907
	660.30255-G-1120	SITES DM00882 & DM00555 - GENERA	AL ARRANGEMENT LAYOUT PLAN								Wogamia Po		200173	613	4073
	660.30255-G-1121	SITE DM0555 - CROSS SECTIONS SHE	EET	660.30255-G-1310	SITE DM00822 - GENERAL	ARRANGEMENT LAYOUT PLA	AN				Woodhill Mo	untain Pd	272077	615	5/1//
12	660.30255-G-1122	SITE DM00555 - DETAILS SHEET								MT00008	Woodhill Mo		288085	615	5/219
	660.30255-G-1123	SITE DM00882 - CROSS SECTIONS SH	HEEI	660.30255-G-1320	SITE DM00890 - GENERAL /	ARRANGEMENT LAYOUT PLA	AN			NR00016	Veodiliii No Valwal Rd		271/66	613	4213
	660 30255-G-1130	SITES DM00610 & DM00611 - GENERA		660 30255-G-1330	SITE DM00899 - GENERAL		AN			AQ00001	Upper Kanga	arooo River Rd	278908	615	57117
3										DM00523	Suffolk Road		277515	611	16275
	660.30255-G-1140	SITE DM00805 - GENERAL ARRANGEN	MENT LAYOUT PLAN	660.30255-G-2000	TYPICAL DETAILS & SPECI	FICATIONS SHEET 1				DM00822	Mount Scanz	zi Rd	269174	615	50402
				660.30255-G-2001	TYPICAL DETAILS & SPECI	FICATIONS SHEET 2				DM00822	Burrier Bd		269100	613	36495
4	660.30255-G-1150	SITE DM00806 - GENERAL ARRANGEN	MENT LAYOUT PLAN	660.30255-G-2002	TYPICAL DETAILS & SPECI	FICATIONS SHEET 3				DM00899	Bamarang R	d	272066	613	35240
	660.30255-G-1151	SITE DM00806 - DETAILS SHEET		660.30255-G-2003	TYPICAL DETAILS & SPECI	FICATIONS SHEET 4				DINIOUUUU	Damarangre				0240
				660.30255-G-2010	TYPICAL DETAILS & SPECI	FICATIONS SHEET 5									
15	660.30255-G-1160	SITE DM00533 - GENERAL ARRANGEN	MENT LAYOUT PLAN	660.30255-G-2011	TYPICAL DETAILS & SPECI	FICATIONS SHEET 6									
				660.30255-G-2012	TYPICAL DETAILS & SPECI	FICATIONS SHEET 7									
	660.30255-G-1170	SITES DM00577 & DM00718 - GENERA	AL ARKANGEMENT LAYOUT PLAN	660.30255-G-2013											
6	660 30255 C 1120			000.30255-G-2014	I TPICAL DETAILS & SPECI	FICATIONS SHEET 9									
	000.00200-0-1100				I										
	660.30255-G-1190	SITES DM00757, NH00013 & DM00864	- GENERAL ARRANGEMENT LAYOUT PLAN												
7															
8															
			THIS DRAWING IS THE PROPERT	TY OF DRAWN: DATE:		LEVEL 1, THE CENTRAL BUILDING				CLIENT:		SHOALHA	AVEN CITY COUNCIL		
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RE RE	1 24.02.2023 ISSUED FOR	R CONSTRUCTION	DT Responsible Principal Signature		The content contained within this	document may be based on						004			
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		THE F	PRINCIPAL T	O PROVII	DE ON-SITE VER	IFICATION OF T	THE CONSTRUCT	ΓΙΟΝ.			26. DI		
2	3.	CONT	RACTOR - T	HE ENTIT	Y UNDERTAKIN	G THE CONSTR	UCTION.				A A	ND AN	
	4.	- UNO	UNLESS NC	DTED OTH	HERWISE.						27. PF	ROVID	
	GE		LNOIES								Al C(
2	5.	THE C	GEOLOGICAL		E AND GEOTECH	HNICAL CONDIT	IONS SHOWN OI SHOULD THE EN	N THE DRAWING		/E AND FIL F	28. RI	EVIEW	
3		DIFFE	R FROM TH	AT SHOW	/N, THE DESIGN	SHALL BE REVI	IEWED TO ENSU	RE SUITABILITY	OF THE DESIGN	ТО	PL	_ANT /	
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	0.	FORF	REVIEW.	RUCTION	N SHE SEI-UP, I	HE CONTRACT	OR SHALL SUBI			NCIPAL	30. W		
4		A. ALL	SAFE WORK	K METHO	D STATEMENTS	AND PLANS					ST. Pr EN	NGULF	
	-	B. CON	NSTRUCTION	N STAGIN	G PLANS						32. SE	EEK A	
		C. CON	NSTRUCTION	N PROGR	AM						OI E>	F HEA XISTIN	
5		D. CON	NSTRUCTION	I ENVIRC	NMENTAL MANA	AGEMENT PLAN	I (CEMP)				33. SE	EEK A	
	-	E. PRC	DJECT QUAL	ITY PLAN	l						34. SE	EEK A	
		APPRO	oval of the	E DOCUM	IENTATION BY T	HE PRINCIPAL S	SHALL CONSTITU	UTE A HOLD POI	NT.		RE 25 M		
6	7.	SITE	TE TO BE RETURNED TO ORIGINAL CONDITION OR BETTER AT THE COMPLETION OF THE WORKS										
	8.	NOMI	MINATION OF PROPRIETARY ITEMS DOES NOT INDICATE EXCLUSIVE PREFERENCE BUT INDICATES THE										
		OFFE	RED FOR AP	PROVAL	BY THE DESIGN	I REPRESENTA	TIVE.						
7	9.	DIME	NSIONS ARE	IN MILLI	METRES, LEVEL	S ARE IN METR	ES UNO, CHAINA	AGES ARE IN ME	TRES UNO. RED	JCED	37. UI		
	10		LS RELATE I		RALIAN HEIGHT I						S	TRUC	
	10.	WOR	K. HAVE SUR	RVEY AND) SETTING OUT	UNDERTAKEN E	BY A REGISTERE	D SURVEYOR. A	ALL DIMENSIONS	DO NOT	DE		
8		OBTA	IN DIMENSIC	ONS BY S	CALING OF THE	DRAWINGS.					36. Pr Ri	ESULT	
	11.	. VERIF	FY ON SITE S	SETTING STRUCTIO	OUT DIMENSION	IS AND EXISTIN ATION IS COMM	IG MEMBER SIZE IFNCED	ES SHOWN ON D	RAWINGS BEFOR	RE SHOP	39. LA	\TERA	
	12.	. REFE	R DISCREPA	NCIES T	O THE PRINCIPA	L BEFORE PRO	CEEDING WITH	WORK.			DE		
9	13.	. WORI	KMANSHIP A	ND MATE	ERIALS TO COMP	PLY WITH REQU	JIREMENTS OF A	USTRALIAN STA	NDARDS, NATIO	NAL	40. VI ENVIE	ERTIC. RONM	
	-	CONS STAN	STRUCTION (DARDS REFI	CODE (NO ERRED T	CC) AND BY-LAW O ARE THOSE C	/S AND ORDINA URRENT (AS AI	NCES OF RELEV	/ANT BUILDING / MMENCEMENT (AUTHORITIES. AL DF CONTRACT.	.L	<u></u> /1 IT		
	14.	. WHEF	RE NEW WOR	RK ABUT	S EXISTING, PRO	DVIDE SMOOTH	TRANSITION FR	REE OF ABRUPT	CHANGES.		41.11 C(OURS	
10	15.	. PROT	ECT EXISTIN	IG STRU	CTURES FROM [DAMAGE OR CR	ACKING. MAKE	GOOD ANY DAM	AGE TO EXISTIN	G	42. TE	EMPO	
	16		ENTS AT CO		N OF WORKS.						IN Gl	UIDEL	
	10.	SEDIN	MENTATION (OF SITE,	SURROUNDING	AREAS AND DF	RAINAGE SYSTE	MS.			FC	OR TH	
11	17.	. DISPO	DSE OF SURI	PLUS MA	TERIAL OFF SITI	E IN ACCORDAN	NCE WITH LOCAI	L AUTHORITY W	ASTE REGULATIO	ONS.	43. SE		
	18.	. TEMP	ORARY WOR	RKS AND	CONSTRUCTION	N METHODS AR	E THE RESPONS	SIBILITY OF THE	CONTRACTOR.		FL		
	19.	. GIVE (INCL	two worki Uding hole	NG DAYS) POINTS	6 (48 HOURS) NC AND WITNESS F	OTICE SO THAT POINTS) MAY BE	INSPECTION OF E MADE.	CRITICAL STAG	ES OF WORK		44. IN	STAL	
12	20	. INSPE	ECTIONS ANI	D REVIEV	VS UNDERTAKEI		CIPAL OR OTHER	RS DO NOT RELI	EVE THE CONTR	ACTOR	45. AI		
				TY FOR (TH THE DRAWI	NGS OR SPECIF	ICATIONS.			Tł	HE CO	
10	21	. AT TF TO TF	IE COMPLET	L FOR AF	PROVAL. THE P	2 CONTRACTOR	L INCLUDE AT A	MINIMUM:	A HANDOVER P	ACKAGE	46. ST PI	TOCKE	
13		A. DRI	LLING RECO	RDS							S	TOCK	
	_	B. RFC	S, NCR'S, CI	ERTIFICA	TES AND OTHER	R FORMS AS NO	DMINATED BY TH	E PRINCIPAL.			D(
11		C. APF	PROVAL OF 1	THE HANI	DOVER PACKAG	E BY THE PRIN	CIPAL SHALL CC	NSTITUTE A HO	LD POINT.		47. Al DI	ISPOS	
14	SA	AFETY I	N DESIGN								N		
	22	. THE S	SAFETY RISK	MITIGAT	TION ITEMS BELO	OW ARE BASED	ON SLR'S DESI	GN EXPERIENCE	AND DO NOT		ואו 14 בע		
45		NECE	SSARILY AC	COUNT F	FOR ALL CONSTR AVAILABLE WHE	RUCTION, OPER	RATION, MAINTE	NANCE AND DEN	MOLITION SAFET	Y RISKS. NI Y	49. TF	RUCK	
15		SLR F	AS TRIED T	O IDENTI	FY SAFETY RISK	(S PERTAINING	TO CONSTRUCT	FION, OPERATIO	N, MAINTENANC	E AND	P/	ATHS.	
	-		DLITION PHA	SES OF T	HE ASSET. INC	LUSION (OR NC	T) OF ANY ITEM	DOES NOT RED	UCE OR LIMIT	RISK	LI ות 50	URING	
10		MANA	GEMENT AC	TIVITIES	TO REDUCE RIS	SK AND IS NOT	AN ADMISSION E	BY SLR THAT INC	CLUSION OF ANY	ITEM IS	PL		
16	 						ימאסו וססא דו/אן		QTATUTODY		WAST	Γ <mark>Ε ΑΝ</mark>	
	23	REGU	ILATIONS, B	Y-LAWS (OR RULES. CON	FRACTOR IS RE	SPONSIBLE FOR	R OCCUPATIONA	L HEALTH AND S	SAFETY	51. A	WAST	
47		OF SI			GENERAL PUBL	IC IN ACCORDA	NCE WITH ALL (HEALTH AND SA	AFETY I	C(C(UNTAN ONTR	
		AGRE	EMENTS AN	ID ACCEF	PTED INDUSTRY	PRACTICE.				-	52. IF	REQL	
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NECESSARY COMMENCI ES ARE TO B	Y PERMITS AN NG WORK ON E LOCATED (ND APPROVALS TO ' N SITE. ON SITE PRIOR TO (WORK ON SITE	NOTIFY RELEVAN	NT SERVICE AUT	THORITIES	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. 54. ONLY AUDION FY CALLATED MATERIAL MATERIAL (VENDA) CAN BE IMPORTED ON OUTF UNIT FOR ADDRODOLATED										ONSULTA
CONSTRUC ADED. TEMF (EXCAVATIO E SAFETY BA	TION STRUC PORARY SUP DNS STABLE ARRIERS AT E	TURES SHALL BE M, PORTS SHALL BE P AT ALL TIMES. EDGES OF OPENING	AINTAINED IN A ROVIDED BY TH GS AND ELEVAT	STABLE CONDITION IE BUILDER IN OR ED AREAS. ENSUF	ON AND NO PAF DER TO KEEP T RE WORKERS A	IT SHALL BE HE WORKS RE	54. 55.	ONLY VIRGIN EX TESTING AND DC KEEP ALL DOCUN FORWARD COPIE	CAVATED NATU DCUMENTATION MENTS/RECORD ES TO THE PRING	RAL MATERIAL IS PROVIDED. OS OF THE TRAN CIPAL'S REPRE	(VENM) CAN BE I ISPORT AND USI SENTATIVE.	MPORTED ON SI	ITE UNLESS AP	PROPRIATE			NT PROJE
RIATELY RE UENCE OF /	STRAINED/ T A FALL IS RE	ETHERED/ HARNES ASONABLY SIGNIFIC	SED DURING W CANT.	ORKS WHERE TH	E LIKELIHOOD A	١ND	<u>TRA</u> 56.	AFFIC CONTROL ESTABLISH TRAF	FIC CONTROL (I	IF REQUIRED) A	T PROJECT BOU	INDARIES IN ACC	CORDANCE WIT	TH AN			Γ
ADEQUACY ND PERSON	OF WORKING	G SPACE AVAILABLE E, INCLUDING MOVE	E FOR CONSTRU MENTS OF BOT	JCTION ACTIVITIE H.	S. ENSURE SEP	ARATION OF	57.	APPROPRIATE TI	RAFFIC CONTRO WARNING SIGN	S AND TRAFFIC	VED BY THE PRI	NCIPAL.		AL ACCORDA	NCF		
LIFTING SLE	W AND LAY	DOWN AREAS AWAY	Y FROM REGUL	AR CONSTRUCTIONS	ON TRAFFIC.			WITH TRAFFIC CO	ONTROL PLAN A	PPROVED BY T	HE PRINCIPAL.	0 00 00 00 00 00 00					660
E ACCESS AI MENT.	ND EGRESS	TO EXCAVATIONS A	PPROPRIATE IN	N EXCAVATIONS.	ATION, COLLAPS	SE OR	58.	A WASTE CLASS CONTAMINANTS CONTRACTOR, IN	IFICATION HAS N ARE DISCOVER N ACCORDANCE	NOT BEEN CARI ED DURING WO WITH REGULA	RIED OUT FOR TI RKS A WASTE C FORY REQUIREM	HIS SITE. HOWE LASSIFICATION I IENTS.	VER, IF POTEN MUST BE CARR	FIAL LIED OUT BY T	THE		.30255
VICE FROM	SUITABLY Q	UALIFIED GEOTECH		JCTURAL ENGINE		PERATION	EAF	RTHWORKS									FUL
G RETAINING	STRUCTUR	EQUIPMENT OR ST				3 OR	59.	STRIP OFF ALL V OF THE WORKS A	EGETATION, RU AND REMOVE FF	BBISH AND TOP	SOIL CONTAININ	NG ORGANIC OR JSE.	ROOT MATTER	₹ FROM THE	AREA		L SIZE (
	SUITABLY Q	UALIFIED GEOTECH	INICAL FOR ALL		ITERS.		60.	WHERE REQUIRE	ED, EXCAVATE S	SITE TO THE EX	TENT DETAILED	IN THE DETAILEI	D SECTION DRA	\WING.			
	NG CONCRE	TE AND REINFORCE	MENT.	BEFORE CORING			61.	FOR EACH SITE, THE SITE AND SH	THE FOUNDATIO	ON LEVEL WILL RMED ON SITE E	VARY DEPENDIN Y A SUITABLY Q	IG ON GROUND (UALIFIED GEOTE	CONDITIONS EI	VCOUNTERE	D ON		RIGINAL
ORK AREAS CANT SECTIO SIGNIFICAN T SUITABLY	SAFE WHER ON LOSS BEF IT SECTION L QUALIFIED S	ORE ALLOWING GE OSS OR CORROSIC	NERAL CONST NERAL CONST N FLAKING BE	RUCTION OR REPA FORE STARTING P N LOSS OR EXTEN	D OR HAVE SUP AIR ACCESS. PAINTING OR RE NSIVE CORROSI	PAIRS.	62.	PRIOR TO ANY FI SMOOTH DRUM F ENGINEER AND A	ILLING, THE EXP ROLLER IN THE I ANY SOFT OR YI	POSED SUBGRA PRESENCE OF ELDING MATER	DE SHALL BE PR THE PRINCIPAL'S IALS REMOVED /	COOF ROLLED W S REPRESENTAT AND REPLACED	ITH A 12 TONNE IVE OR GEOTE WITH APPROVE	E STATIC MAS CHNICAL ED FILLING	SS		0 10 HHHH
T BEFORE P	ROCEEDING	WITH WORK.					63.		MATERIAL TO SI	ITE: SEE NOTE	NO. 54.						-20
ERMANENT S URES WHICH SHED.	SUPPORT IS H ARE TO BE	PROVIDED, PROVID ALTERED AND WHI	E TEMPORARY CH NORMALLY	SUPPORT FOR SE RELY FOR SUPPO	ECTIONS OF EXI ORT ON WORK T	STING O BE	64.	FILL SHALL BE SO	OUND WELL GRA	ADED MATERIAI THE SITE, OR AF	WITH A HIGH G	RANULAR CONT DIMPORTED MA	ENT AND SHAL TERIAL FREE C	L BE THE BE: F RUBBISH,	ST OF		+40
E SUPPORT NG FROM TI	TO ADJACEN HE WORKS.	T STRUCTURES WH	IERE NECESSA	RY, SUFFICIENT T	O PREVENT DAI	MAGE	65.	FILL SHALL BE SF +2% TO NOT LES	PREAD IN LAYER	S THAT WOULD RS NOT EXCEED	DING 150mm AND) COMPACTED A	T OPTIMUM MO	ISTURE CON	ITENT		
_ SUPPORTS SHED, USING	S: PROVIDE L S SHORING.	ATERAL SUPPORT A	AT LEAST EQUA	L TO THAT GIVEN	BY THE STRUC	TURE TO BE	66.	DENSITY TESTIN	G OF FILLING (A	ND BASE COUR	SE WHERE APPI	LICABLE) SHALL	BE CARRIED O	UT AT THE R	ATE		- 60
AL SUPPORT	S: PROVIDE		IECESSARY US	ING PILING OR UN	IDERPINNING, O	R BOTH.	67.	WHERE REQUIRE	ED, THE FOUND	ATION LAYER S	HALL BE, DRY, S	MOOTH, LEVEL A	AND GRADED T	O THE PROF	ILE AS		- 8
RESPONSI	BILITY OF TH	E CONTRACTOR TO	ENSURE THAT	ALL MEASURES A	ARE TAKEN DUR	ING THE		SHOWN IN THE D MATERIAL.	ETAILED DRAW	ING. IT SHALL B	E FREE OF SURI	FACE IRREGULA	RITIES, LOOSE	OR UNSTUIT	FABLE		
E OF CONSTR ARY EROSIG TIONAL ERO NES (2008) A DURATION	RUCTION TO ON AND SED OSION CONTI ND BE MAIN OF THE WOF	PREVENT SEDIMEN IMENT CONTROL (ES ROL ASSOCIATION (TAINED IN OPERATI RK.	IT EROSION AN SC) MEASURES (IECA) BEST PR VE CONDITION	D POLLUTION OF SHALL BE PROVI ACTICE EROSION AT ALL TIMES AND	THE DOWNSTRE DED IN ACCORE AND SEDIMENT D SHALL REMAIN	EAM SYSTEM. DANCE WITH CONTROL N IN PLACE	68.	WHERE REQUIRE TO BE CREATED WORKING PLATF OF UNSTUITABLE WALK-BEHIND CO	ED, A BLINDNG L WITH SITE WON ORM. GRANULA MATERIAL AND OMPACTOR) TO	AYER TO INFILI I GRANULAR SO R BLINDING MA SHALL BE COM MINIMUM RELA	VOIDS, UNEVEI DILS AND ROCKF TERIAL SHALL C IPACTED USING TIVE DENSITY O	N GROUND AND ILL TO CREATE / OMPRISE OF GF MANUAL TECHN F 70%.	CAVITIES AT F(A SMOOTH, EVI RANULAR, SITE NIQUES (E.G., H	DUNDATION I EN, STABLE WON SOIL FI AND TAMPIN	LEVEL REE IG,		100 A1
NT AND ERO OLITION ACT EFORE REAC	SION CONTR IVITY. THE L CHING THE D	COLS MUST BE IN PL OCATION OF SUCH OWNSTEAM SYSTE	ACE PRIOR TO DEVICES IS GE M. FINAL POSIT	THE COMMENCEN NERALLY AT THE ION SHALL BE DE ⁻	MENT OF ANY E END OF THE DII TERMINED ON S	ARTHWORKS RECTION OF SITE.	69.	THE CONTRACTO AREAS ARE ADE OFF TO REMOVE	DR SHALL PROG QUATELY DRAIN DEPRESSIONS	RAM AND UNDE ED DURING CC WHICH WOULD	RTAKE THE EAP NSTRUCTION. T ALLOW WATER	RTHWORKS OPE HE SURFACE SH TO POND AND P	RATIONS SUCH IALL BE GRADE ENETRATE THE	I THAT WORK D AND SEAL UNDERLYIN	KING ED NG		
TEMPORAR	Y SEDIMENT AS ARE PAVE	BARRIERS TO ALL I ED OR REVEGETATE	INLET PITS LIKE ED.	LY TO COLLECT S	SILT LADEN WAT	ER UNTIL		RECTIFIED AT TH		R'S EXPENSE.					-0)		
FENCES AN	ID BARRIERS N PERIOD.	ARE TO BE MAINTA	AINED IN GOOD	ORDER AND REG	ULARLY DESILT	ED DURING	70.	ACCREDITED AU	THORITY AND P	AN INDEPENDE ROVIDE TEST F PLIANCE TESTIN	NT NATA (NATIO EPORTS TO THE	E PRINCIPAL. TH	E CONTRACTO	R SHALL BEA	ES) AR ALL		
ILES OF LOC SHEETING (ILES OF SOL OPE OF ALL	DSE MATERIA DR MEMBRA LID MATERIA STOCKPILE	ALS SUCH AS SAND, NE MUST NOT BE US LS SUCH AS STEEL S.	SOIL AND GRA SED. SAFETY B REINFORCING.	VEL MUST BE CO ARRICADING SHAI SEDIMENT FENCE	VERED WITH GE LL BE USED TO E IS TO BE PLAC	OTEXTILE. ISOLATE ED											
STE GENER	ATED, INCLU	DING EXCAVATED M	ATERIALS, SHA	ALL BE REMOVED	FROM THE SITE	AND											

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 SEMENT/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

PROJECT: LANDSLIDE REMEDIATION DESIGN OF VARIOUS SITES

GENERAL NOTES SHEET 1

OT SCALE THIS DRAWING	
N DOUBT ASK	

DRAWING NUMBER: 660.30255-G-1002 ISSUE

		Α	E E	В	С	D	E	F	G	H	I	
	EXC	CAVA	TION								99.	BO
1	71.	SU QU	B VERTICAL I ALIFIED GEO	EXCAVA ⁻ TECHNI	TION MUST NOT CAL ENGINEER.	EXCEED 1.5m D	EPTH PRIOR TC	INSPECTION	BY A SUITABLY		100.	DE CC
2	72.	W⊦ SEI	IERE UNFAVO EK ENGINEEF	OURABLI RING AD'	E EXCAVATION (VICE FROM A SU	CONDITIONS EXI JITABLY QUALIFI	ST SUCH AS SH ED GEOTECHNI	ALLOW LARGI CAL ENGINEE	e floating boul R.	_DERS,	101.	IN I DE
	73.	W⊢ AD	IERE SHALLC VICE FROM A	OW BEDF A SUITAB	CCK IS ENCOUI	NTERED PRIOR ⁻ GEOTECHNICAL E	TO DESIGN FOU ENGINEER.	NDATION DEP	TH, SEEK ENGINE	ERING	102.	TH
3	74.	TEI TIM	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.	DEI EX(LINEATE A MI CAVATION AT	INIMUM I F ALL TIN	EXCLUSION ZON IES. NO SURCH/	NE FROM THE ED ARGE LOADS AR	OGE OF THE EXC E TO THE PLAC	AVATION EQUED WITHIN TH	IAL TO THE HEIGI IS ZONE SUCH AS	HT OF		A. B. C.
4	76.	IF E WA	ENCOUNTERE	ED, CARI	E SHALL BE TAK DRYSTONE AND	EN TO MINIMISE D/OR VOID CREA	DISTURBANCE	TO THE UNDE	RLYING DRYSTO	NE D	103.	TH CH TH
	77.	EX	CAVATED MA		SHALL BE STO	CKPILED WITH H	IEIGHT NOT EXC	EEDING 2 M.			104.	CO TH
5	78.	CR TO	EATE SEPAR PSOIL. PROV	ATE STO	OCKPILES FOR D QUATE WATERI	DIFFERENT SOIL NG, DRAINAGE A	TYPES. DO NOT AND EROSION C	MIX SUBGRA	DE WITH PAVEME	NT OR	105.	TH MA
6	79. 80.	DO ALI	NOT ALLOW	TRAFFIC	CON STOCKPILE	ES. "RUCTED TO MA ⁻	TCH EXISTING L	EVELS UNLES	S OTHERWISE		106.	ALI CC
	חח		PROVED BY		NCIPAL.						CON	ICRE
											107.	CU
7	81.	CO NE	NSTRUCTING TWORK.	G THE CL	JN OF THE SUR JTOFF SUBSOIL	DRAINAGE WHIC	CH SHALL BE CO	NNECTED TO	THE LOCAL DRA	NAGE	108	BA: TH CU
8	82.	RE: 15k	SHAPE THE E (G/M3.		SURFACE DRA	INAGE AND LINE	D WITH 40MPA	SHOTCRETE V	/ITH DOSAGE RA	TE OF	109.	TH FO
	83. GAI	ST	EL FLOAT A		CRETE SURFAC	ES.						TO
											110.	CU
9	04.	FR/ BE RE	AME WIRE AN MECHANICAI	ND 2.7mn LLY CON	MESH WIRE, C NECTED AT THE TABLE 2 OF AS	OMPLETE WITH E PRODUCTION F TM A975, INSTAL	DIAPHRAGMS A FACILITY WITH N LED IN ACCORI	T 1M CENTRE /INIMUM CONI DANCE WITH N	S. ALL COMPONE NECTION STRENC	NTS TO STH S	111.	MA PR WA
10	85.	SPI ALI		S. L BE MIL	D STEEL, GALM	AC COATED (95%	6 ZINC + 5% ALU	MINIUM MISCI	HMETAL ALLOY) T		113.	IMF ST
		HE	AVY DUTY GF		COATING.						<u>REIN</u>	1FO
11	87.	THI SH	E GABION FIL ALL BE 100mi	L MATEI MATEI	RIAL SHALL BE I	N ACCORDANCE	EWENT (BBA) CE EWITH AS 2758.4 BE 250mm	- 2000. THE M	INIMUM ROCK SI	ZE	114. 115.	ME
12	88.	BID	IM A34 NON- ERFACE, INS	WOVEN STALLED	GEOTEXTILE (O IN ACCORDANC	R APPROVED EQ	QUIVALENT) TO I	BE PLACED AT CIFICATIONS.	ALL ROCKFILL-S	OIL	116.	RE FO
	89.	RO 200	CK FILL MATE	ERIAL BE	HIND THE GABI	ON SHALL HAVE	A MINIMUM SIZ	E OF 75mm AN	D MAXIMUM SIZE נ	OF	117.	AU BA
		PIL	ES AND FOU	NDATIO	<u>NS</u>			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.	BA
	91	EN THI	GINEER PRIC	OR TO PL	ACEMENT OF C	ONCRETE.	A SUITARI Y OUA		CHNICAL ENGIN	EER TO	121.	LAI LAI
14	51.	CO AS	NFIRM THE E	EXPOSED BE UNSU	FOUNDATION I	MATERIAL SATIS	FIES THE DESIG	SN ASSUMPTICE EMOVED AND	NS. ANY MATERI REPLACED.	AL	122.	RE
	92.				ASES SHALL BE		N SITE BY A SUI	TABLY QUALIF	IED GEOTECHNIC	CAL		RE
15	93		BORED PILE	= WORK	SHALL BE IN AC	S. CORDANCE WIT	H AS2159					SL
	94.	ST	EEL CASING ((IF REQL	IRED) AND REIN	FORCING CAGE	SHALL BE SEC	JRELY AND A	CURATELY HELD) IN		RL
		PO:				ENT.					102	LTI TU
16	95. 96.	BO	RED PILES SI	E LEVEL	S, WHERE SHOW	N THE DAY OF A	TES ONLY AND	SS PERMISSIC SHALL BE EST	ABLISHED DURIN	G SITE	123.	П
			PECTION OF	WORK I	N PROGRESS.							N
17	97.	MIN	IIMUM 28 DA	Y CHARA	CTERISTIC CON	IPRESSIVE STRI	ENGTH OF ALL (CONCRETE IS	40 MPa.			1
	98.	CO	VER TO REIN	FORCE	IENT NEAREST	TO THE CONCRE	ETE SURFACE S	HALL BE 50MM	I UNLESS NOTED			N
10		OT	HERWISE.									
									THIS DR/	AWING IS THE PRO	PERTY OF	DF
v									SLR CO MUST NO	NSULTING AUSTRA T BE RETAINED, C	ALIA AND OPIED OR	
Ē 1:48 PN	SNS								USED V	THE CON THE COMPANY.	SENT OF	
7T DAT 23 4:11	ISI0								THIS DRAW	'ING IS NOT TO BE ON UNLESS ENDOF	USED FOR RSED BELOW	
PLC Feb-20	REV								Responsible	Principal Signature	Date	-
22-	-	1	24.02.2023	ISSUE				DT				DE
			DATE		C	DESCRIPTION						

J	K	L	М	N	0	Р	Q	R	S	
TTOM COVE	R FOR FOOTING	S SHALL BE 75n	nm UNLESS NOT	ED OTHERWISE		· · · · ·		STRUCTUR	AL STEEL	
TAILS OF TH NCRETE.	IE PROPOSED M	IX TO BE SUBMI	TTED & APPRO	/AL OBTAINED PI	RIOR TO POUR	ING ANY		124. ALL V VARIE	ORKMANSHIP AN D by the conti	ND M/ RACT
LIEU OF TRI	AL MIX OF CONC	RETE TO BE US	ED, RECENT TR	IALS AND PRODU	JCTION RUNS F	FOR SIMILAR MIX		125. ALL N	IATERIAL TO BE (GRAD
SIGNS MAY	BE SUBMITTED F	FOR CONSIDERA	TION AS EVIDE	NCE OF COMPLIA	ANCE WITH TH	E		126. WELD	ING SHALL BE C	ARRII
								127. WELD	ING CONSUMABI	LES S
OUGHT TO S	SITE TO DEMONS	STRATE COMPLI HALL BE OBTAIN	ANCE WITH THI	S DOCUMENT. TH	HE FOLLOWING	B TEST		128. INSPE	CTION SHALL BE	
7 DAY COM	PRESSIVE STRE	NGTH - 3 CYLINI	DERS					129. TEMP	ORARILY AS NEC	R'S R CESS
14 DAY CON 28 DAY COI	MPRESSIVE STRI MPRESSIVE STR	ENGTH - 3 CYLIN ENGTH - 3 CYLIN						130. THE E		ROVI
E AVERAGE	STRENGTH OF 1) AT 28 DAYS SH	ALL EXCEED TH	HE SPECIFIED			AND FILLERS	IAILL
IARACTERIS AT TRIAL MI	TIC STRENGTH E X.	BY AT LEAST 1.6	5 TIMES THE ST	ANDARD DEVIAT	TION OF THE RE	ESULTS FOR		131. WHEF	RE JOINTS DAYLI	GHT /
NCRETE NC)T IN ACCORDAN N OF THE PRINC	ICE WITH THIS S IPAL, BE REMOV	PECIFICATION	OR CONCRETE V JOB AND REPLAC	VHICH IS DEFE	CTIVE SHALL, AT ONTRACTOR.		PERM INCOI	ANENT) MUST EX MPRESSIBLES DU	(TEN JRING
E CONCRET	E SHALL BE PLA	CED IN SUCH A	MANNER TO AV	OID SEGREGATI	ON OR LOSS O	F MATERIALS.		132 SEAL	ANTS AND FILLEF	- ED 9 35 MI
XIMUM FALL	OF CONCRETE	1500mm OR USE	E ENCLOSED CH	HUTES OR SIMILA	AR.			DRILLING (OF SOIL NAIL HOI	LES
L EXTERNAL	HORIZONTAL S	URFACES TO HA	VE A NOMINAL	SURFACE FALL	TO PREVENT W	/ATER		133 DRILL		
								BOUL	DERS AND BEDR	OCK.
IRING COMP	OUNDS SHALL C	NI Y BE USED O		ROM THE PRINCI	PAL THEY SHA	ALL BE WAX		CONE	ITIONS. USE ROT AL REMOLDING (fary of in
SED, BE SUI	TABLY COLOUR	ED FOR IDENTIF	ICATION PURPC	SES, AND SHALI	L BE TESTED A	ND MEET ALL OF		OTHE	R THAN AIR, UNL	ESS
	MENTS OF AS 379	99 - "LIQUID MEN E SUITABLY COL	IBRANE-FORMI	NG CURING COM	IPOUNDS FOR	CONCRETE".		134. THE C REQU	CONTRACTOR SH	IALL I
F CONTRAC	TOR SHALL DEM		THE PRINCIPAL) IS SUITABLE		135. WHEF		IS SL
R ALL AMBIE USE.	ENT TEMPERATU	RES, AND THE F	PARTICULAR CU	IRING COMPOUN	ID SHALL BE AF	PROVED PRIOR		136. HOLE THE (SHALL BE CLEAN OPENING SEALED	NED (
IRING COMP	OUNDS SHALL N	IOT BE BASED O	N PVA OR CHLC	ORINATED RUBB	ER.			SOIL NAIL	AND FACING REI	NFOF
RING COMP	OUNDS SHALL B	E SUPPLIED WIT	TH A CERTIFICA		NCE FROM THE			137. SOIL	NAILS TO BE DOL	JBLE
NUFACTURI	ER IN ACCORDAN OR TO CONCRE	NCE WITH AS 37 TE BEING MIXED	99 - SECTION 3.).	3. A COPY OF TH	IIS SHALL BE PI	ROVIDED TO THE		138. DRILL	HOLES FOR NAII	LS MI
ATER FOR C	URING SHALL BE	POTABLE WAT	ER WITH A pH B	ETWEEN 5 AND 7	7, AND SHALL N	IOT CONTAIN		139. SOIL	NAILS TO BE GRA	ADE D
PURITIES IN	SUFFICIENT QUA	ANTITY TO CAUS	SE DISCOLOURA	ATION OF THE CO	ONCRETE.			140. SOIL	NAILS MUST BE I	NSTA
EAM CURING	G IS NOT PERMIT	TED.						141. PROV	IDE CENTRALISE	RS F
RCEMENT (F	OOTINGS)							142. STEE	L MESH MUST BE	GRA
EEL REINFO	RCEMENT MUST	BE IN ACCORD	ANCE WITH AS 4	4671, DOWELS M	UST COMPLY V	VITH AS 3679.1.		143. BEAR	ING PLATE MUST	BEG
SH REINFOR	RCEMENT SIZE M	UST BE IN ACC	ORDANCE WITH	DRAWING DETA	NLS.			144. SOIL	NAIL FACING SHC)TCR
	ENT MAY BE DISF	PLACED SLIGHTL	Y WHERE NEC	ESSARY TO CLEA	AR DOWELS, AN	NCHOR BOLTS,		145. SOIL	VAIL FACING SHC)TCR
ISTRAI IAN S	TANDARD BAR S	SHAPES ARE IN A	ACCORDANCE V	VITH AS 1100 501	l			146. SOIL		R IS /
				= Δς/NZS 4671 F	NUMBER					
				AWINGS SHALL F	RE D500N TO A	 S/NZS 4671		SHAD	OW IN THE SHOT	CRE
		ALS SHALL BE IN		WITH SECTION	5 13 OF AS 510	0		148. ALL S	TEEL MESH LAPS	3 ANE
PS NOT SHO		AWINGS SHALL F	RE STAGGERED	SO THAT NO MC)RE THAN 50%	OF BARS ARE		ADJO	INING STEEL OR	SPRA
PPED IN AN	Y CROSS SECTIO	N.						149. STEE LOCA	∟ MESH LAPS MU TION. LAPS ARE I	ST B NOT /
	ENT SYMBOLS CO	DMMONLY USED	ARE:					150. NAILS	, BEARING PLATE	ES, W
DENOTES GE	RADE 500 MPa N	BARS TO AS 467	 ADD TO AD 407 					ACCC		S468
DENOTES GE	RADE 250 R HOT		BARS TO AS 467	1.				151. NAIL I AS429	NUTS MUST BE G €1.2 OR EQUIVAL	
DENOTESS			UAS 4671.					_		
DENOTES R			BRICTUAS 467	1.						
		WHICH SHALL C								
EMEIHODU	JSED TO LABLE	KEINFORCEMEN	IT ON THE DRA	WINGS IS AS FOL	LOWS:					
	BARS IN GROUP									

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



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Т	U	V	W	Х	Y	0
ATERIALS S I DOCUMEN	SHALL BE IN ACC	ORDANCE WITH	AS4100 AND AS	1554 EXCEPT W	HERE	ONSULTAN
DE 250 HOT ED OUT IN A	ROLLED PLATES	S COMPLYING WI	ITH AS 3678 U.N. ND SHALL BE GP	O. CATEGORY U.N	I.O.	IT PROJE
SHALL BE E4 RRIED OUT 1	49XX OR W5OX. FO AS 1554.1					ECT
ARY TO STA	ABILISE THE STR	ALL HOLES NEC	G ERECTION. ESSARY FOR FI	KING STEEL TO	STEEL	66
ED ON THE I	DRAWINGS.					0.30255
AT FORMED D DOWN TH G SUBSEQU 00°.) JOINTS OR EDO IE VERTICAL FAO ENT PAVING. DII	GES, THE SEALA CE OF JOINTS TO MENSIONS MUS	nt (Both Temp) D prevent the T be equivalen	ORARY AND INGRESS OF T TO THOSE FO	R THE	FULL SIZE ON
	Y WITH RMS R83	3.				ORIGINAL
NCHORS IS SELECTION OR ROTAR I-SITU MATE OTHERWISE	EXPECTED TO N OF DRILLING E Y-PERCUSSION RIALS WITHIN T APPROVED BY	ENCOUNTER RE QUIPMENT TO B METHODS AND I HE DRILL HOLES THE PRINCIPAL	LATIVELY HIGH BE SUITABLE FOF EQUIPMENT FOF S. DO NOT USE D	STRENGTH COL R EXPECTED GR R DRILLING TO E RILLING FLUIDS	LUVIUM COUND INSURE	0 10 20
JSCEPTIBLE		CASING SHALL E	BE USED.	LLAPSE WHERE		+ 40
OF ALL LOO PREVENT EI RCEMENT	SE OR DELETER NTRY FROM FOF	RIOUS MATERIAL REIGN MATTER.	ON COMPLETIO	N OF DRILLING	AND	- 60
ENCAPSUL	ATED AND HOT-I EAST 150mm DI	DIP GALVANIZED AMETER AND PF) IN ACCORDANC REPARED AS PEF	CE WITH AS4680 R TFNSW R64 U.	N.O.	- 80
0500N OR EC	QUIVALENT HIGH IOWN IN THE SC	H STRENGTH DE HEDULES.	FORMED BARS.			100
OR NAILS A ADE D500N I	T INTERVAL NO ⁻ N ACCORDANCE	T EXCEEDING 20 E WITH AS4671.	00mm.			A1
GRADE D250 ETE COVER	N IN ACCORDAN	NCE WITH AS367 EMENT FROM AIF	'8 R = 50mm			
ACCEPTABL ACCEPTABL ACHIEVED. PED AT ONE TE.	E TO REINFORCE E TO STRIP DRA LOCAL ADDITION E LOCATION NEA	AIN. CONSTRUCT NAL EXCAVATIO	ROUND = 75mm FION METHODOL N MAY BE REQU WIRES SO AS NO	OGY TO ENSUR IRED. OT TO CREATE	E	
D STARTER AYING THE I	BARS SHALL BE NEXT PANEL.	CLEANED TO BA	ARE MESH PRIOF	r to fixing the	Ξ	
E STAGGER ALLOWED C	ED AND CUT SU VER STRIP DRA	ich that only [.] Ins.	TWO SHEETS AF	RE LAPPED AT C	NE	
VASHERS AN 0 WITH A CO	ND ALL STEEL RI DATING WEIGHT	EINFORCEMENT OF 600G/M2.			AND IN	
TO SUIT THE	E THREADED EN	D OF SOIL NAIL.	RTT CLASS 5 CC			
	SHOAL	HAVEN CIT	Y COUNCIL			
DSLIDE	REMEDIA	ATION DE	SIGN OF \	/ARIOUS	SITES	
TLE:	GENERA	AL NOTE	ES SHEE	T 2		
OT SCALE THI	IS DRAWING	N/A 66	DRAWIN 60.3025	NG NUMBER: 5-G-10	03 ^{ISSUE}	

		А		В	С	D	E		F	=	G	Н	I	
	GRO	DUT	REQUIREN	IENTS			,	I				I	S	AFE
1	152.	. GI OI	ROUTS MUS R ADMIXTU	ST HAVE RES WIT	HIGH BLEED RESI	STANCE, LOW VAL OF THE PF	SHRINKAGE RINCIPAL.	AND H	HIGH FLU	JIDITY. [DO NOT USE AD	DITIVES	17	7.
	153.	. MI	INIMUM CO	MPRESS	SIVE STRENGTH OF	GROUT MUST	BE 40MPA A	AT 28 D	DAYS.				17	70
2	154.	. GI Cl	ROUT FLUII LAUSE 3.4.3	DITY, BL	EED AND COMPRES	SSIVE STRENG	TH TESTING	i to be	E IN ACC	CORDAN	CE WITH TFNSV	V R64	17	0.
	SOI	L N/	AIL TESTIN	G PROC	EDURE								17	'9. I
3	155. 156	. N/ C(AIL TESTING	G TO BE R TO CC	CONDUCTED IN AC	CORDANCE W	/ITH TFNSW	R64. FTFR					18	30.
	100.		AND BEARI		TE) TO ENSURE 200	0% OF THE WO	RKING BONE	D STRE	ESS CAN	NBE ACH	HIEVED PRIOR T	O 80%	18	31. 3
4	157.	. SI	UF THE BAI	R YIELD TESTING	LOAD. G ARE TO BE COMP	LETED PRIOR	TO INSTALL	ATION	OF PRC	DUCTIO	N NAILS.		18	32.
	158.	. A	TOTAL OF (3% OF P	ERMANENT NAILS	SHALL BE SUB	JECTED TO /	ACCEF	PTANCE	TESTS .			18	33.
5	159. SHC	. LC DTC	DCATIONS (RETE	OF THE S	SUITABILITY AND A	CCEPTANCE T	EST SOIL NA	ILS TC) BE CO	NFIRMEI	D ON SITE.		18	34.
	160.	. Sł	HOTCRETE	TO BE II	N ACCORDANCE W	ITH TFNSW R6	8.						18	35.
6	161.	. MI Ce	INIMUM CO EMENT IN S	MPRESS HOTCRI	SIVE STRENGTH OF	SHOTCRETE	MUST BE 40N	MPA AT FNSW	T 28 DAN R68 ANI	/S. USE D TFNSV	SHRINKAGE LIN V QA3211.	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.	18	36.
	163. 164	. Sh Af		QUALIT` E THICK	Y TESTING IN ACCO	ORDANCE WITH	H TFNSW R68	B CLAU	JSE 8.5 / RKS TO		NEXURE R68/L.		18	37.
7		C(OVER.								NOOF OF ABE			
	<u> FIBI</u> 165	REC FII	BRECRETE	TO BE I	N ACCORDANCE W	ITH TENSW B8	2						18	38.
8	166.	. MI		MPRESS	BIVE STRENGTH OF		MUST BE 40		T 28 DA	YS. USE	SHRINKAGE LIN	IITED		
	167.	. Fil	BRECRETE	MIX DE	SIGN TO EXPOSUR	E CLASSIFICAT	FION B:2 IN A	CCOR	DANCE	WITH TF	NSW R64 CLAU	SE 2.3.3.		
9	168.	. Sł	HOTCRETE	QUALIT	Y TESTING IN ACCO	ORDANCE WITH	H TFNSW B82	2.						
	169.	. Af C(PPROPRIAT OVER.	E THICK	(NESS GAUGES SH	ALL BE FIXED	TO THE STEE	Elwof	RKS TO .	ALLOW I	PROOF OF ADE	QUATE	18	39.
10	DR/		AGE (SOIL N											
	170. 171.	. 15 . BC	Omm HDPE	STRIPF THE STF	RIP DRAINS DAYLIG	HT AT BOTTON	ED DRAINS) M OF SHOTCI	TO BE	IN ACCO WALL FA	ACING.	E WITH TENSW	QA3557.		ĺ
11	172.	. H[OPE STRIP	DRAIN T at 45°	O BE CORRUGATE		ORATED AND) MUST	T BE INS	TALLED	DIAGONALLY A	CROSS	19) 0. 3
	173.	. S1		S MUST	BE CHASED INTO S	SOIL SLOPE TO) ALLOW FUL	L SHC	TCRET	E THICKI	NESS AT ALL		19)1. ∣
12	174.	LC . W	HERE CON	NECTIO	N IS TO BE MADE T	O AN EXISTING	G DRAINAGE	STRU	CTURE (OR OPEI	N DRAIN THE PC	SITION		
		AN C(ND LEVEL C	OF EXIST	TING DRAINAGE STI	RUCTURE SHA PROPER DRA	LL BE CONFI	IRMED L POIN	PRIOR NTS.	TO CON	STRUCTION. BL	END		
13	<u>SPE</u>		ICATIONS (SOIL NA	<u>VILING)</u>									
	175.	. Al Sf	L SOIL NAI PECIFICATI	LING MA ONS:	TERIALS AND WOF	RK IS TO COMF	PLY WITH THE	e foll	OWING	TFNSW	PROJECT SPEC	CIFIC		
11		A. R	R64 SOIL	NAILING									19)2.
14		В. С.	B82 SHOT	CRETE	WITH FIBRES									
	470	D.	R178 REV	EGETAT						TENOW				
15	176.	. Al Sf		LING MA ONS:	TERIALS AND WOR			= FOLL		IFNSW	QA STANDARD			
		A. B	R23 PLAS	TIC FLE	XIBLE PIPES	MORTAR AND	GROUT							
16		C.	R55 ROCł	(FILLED	GABIONS AND MA	TTRESSES	GROOT						4.0	
		D.	R63 GEOT				_						19	13.
17		E. F.	3557 FLEX	KIBLE ST		S	Ξ							I
18														
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TE 1:58 PM	SNC										USED W	THOUT THE CON THE COMPANY	NSENT OF	D
-OT DA 2023 4:1	VISIC										THIS DRAWI	NG IS NOT TO BE N UNLESS ENDO	E USED FOR DRSED BELOV	V D
Pi 22-Feb-2	RE 	1	24.02.202	23 ISS	UED FOR CONS	STRUCTION				DT	Responsible P	rincipal Signatur	e Date	 ח
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TY BARRIERS			-	· ·		-	-		D. INSPECTION & A	PPROVAL OF S	TEEL SURFACES	PRIOR TO PAIN	TING AND PROT	ECTIVE COATIN	GS.
RAIL AND RAIL GALVANISED 1 STAMPED 350/ RAIL 2.7BMT C CURVED TO A	. STIFFENING PIE FO AS 4680 AFTE /2.7 BMT (OR SIM AN BE SUPPLIEE MINIMUM RADIU	ECES ARE FROM R FABRICATIO IILAR). CURVED TO <i>F</i> JS OF 6000.	M 2.7 OR 3.5 BM N. FLAME CUTT A MINIMUM RAD	IT GRADE HA350 S ING TO RAIL IS NO IUS OF 5000. RAIL	STEEL TO AS 15 OT PERMITTED. - 3.5BMT CAN BI	594 AND HOT DIP RAIL TO BE E SUPPLIED	1	194.	E. REVIEW & RELE F. INSPECTION OF SOIL NAILS AND SHO A. REVIEW & RELE	ASE OF METHOD ERECTED STEE OTCRETE FACIN ASE OF MATERI	DOLOGY FOR IN L WORK PRIOR IG AL CERTIFICATE	STALLATION ANI TO ANY COVERI S (TFNSW R64 () ERECTION. NGS. CL. 2.1).		
POSTS AND BL GALVANISED 1	LOCKOUT PIECE: TO AS 4680 AFTE	S ARE FROM 4. R FABRICATIO	.3 BMT PLATE G N.	RADE HA300 STE	.EL TO AS 1594 /	AND HOT DIP			B. REVIEW & RELEA TFNSW R68 CL.	ASE OF GROUT 3.8.1).	AND SHOTCRET	E MIX, INCLUDIN	IG TEST RESULT	S (TFNSW R64 (CL. 2.2.7 &
3MT = BASE M STEEL BASE P PLATE. POSTS HEXAGON BOL SUIT GALVANIS WASHERS SHA NUTS SHALL B TERMINAL COI 4680 AFTER FA DIMENSIONS A ARE NOMINAT POINTS, WITM A SUITABLY QU CONDITIONS A THE CONTRAC	ETAL THICKNESS LATE AND BOTTO AND PLATES HO TS TO AS 1111 (SED THREADS. E ALL BE HOT DIP (E SNUG TIGHT T NNECTORS ARE ABRICATION. ARE SUBJECT TO ED. TRAFFIC BAI NESS POINTS AN UALIFIED GEOET AND DESIGN ASS CTOR SHALL PR(S. OM PLATE ARE DT DIP GALVAN GRADE 4.6). H 3LACK STEEL V GALVANISED IN TO AS 4100. FROM 2.7 BMT O MANUFACTUF RRIERS SHOUL ID APPROVALS TCHNICAL ENG SUMPTIONS SH	E TO AS 3678, GE IISED TO AS 468 EXAGON NUTS VASHERS, LARG ACCORDANCE GRADE HA350 GRADE HA350 RER'S TOLERAN D SATISFY R13 INEER TO BE PI ALL BE VALIDA PRINCIPAL'S RE	RADE HD250. POS 30 AFTER FABRIC. TO AS 1112 (GRA 3E SERIES TO AS 3 WITH THE REQU STEEL TO AS 159 ICES EXCEPT WH 2. RESENT ON SITE TED DURING CON PRESENTATIVE /	STS TO BE WELL ATION DE 5). NUTS SH 1237. BOLTS, N JIREMENTS OF 4 AND HOT DIP IERE ALLOWABL DURING CONST ISTRUCTION. A MINIMUM OF 2	DED TO BASE IALL BE TAPPED JUTS AND AS 1214. GALVANISED TO LE TOLERANCES FRUCTION. GROU	TO) AS ; JND		 C. REVIEW & RELEA D. INSPECTION & A E. WITNESS OF INS F. WITNESS OF EX G. INSPECTION & A H. REVIEW & APPR J. INSPECTION & A R64 CL. 6.2 & TFI K. WITNESS OF SH L. WITNESS OF SH M. REVIEW & APPR 	ASE OF CONSTR PPROVAL OF EX STALLATION OF POSED SLOPE F PPROVAL OF GI OVAL OF SUITAI OVAL OF TEST F PPROVAL OF SUITAI OVAL OF TEST F OTCRETE MESH OTCRETE PLAC OVAL OF SHOTO	RUCTION METHO (TENT OF WORK PRODUCTION N FACE AFTER CLE ROUTING OF NA BILITY TEST REC RESULTS FOR A URFACE PREPAR). I PLACEMENT AN EMENT (TFNSW CRETE TEST RES	D STATEMENT (S AND SET-OUT AILS (TFNSW R6 ARING OF EACH LS (R64 CL 3. 4. ORD (TFNSW R0 CCEPTANCE TES ATION FOR MES ND WALL DRAIN, R68 CL. 7). SULTS (R68 CL 8	TFNSW R64 3.1). OF NAIL LOCAT 4 CL. 3.4). 1 SECTION (TFNS 3. 4). 34 CL. 5.2.1). 37 NAILS (TFNSV 3H PLACEMENT AGE (R68 CL. 5.5	IONS. 3W R64 CL. 3.3). V R64 CL. 5.2.2). AND SHOTCRE1 AND CL. 5.6).	TING TFNSW
DESIGNS. THE GENERAL	- AND PROJECT (START UP MAN	IDATORY HOLD	POINTS ARE:											
A. REVIEW &	RELEASE OF WH	IS PLAN, INCLU	JDING SWMS.												
3. REVIEW & C. REVIEW &	RELEASE OF CO	NSTRUCTION S	STAGING PLANS PROGRAM.	.											
 REVIEW & I REVIEW & I 	RELEASE OF CO RELEASE OF PR [®] AS REQUIRED)	NSTRUCTION E	ENVIRONMENTA Y PLAN (INCLUE	AL SITE MANAGEN DING ITP'S)	/IENT PLAN (CEN	MP).									

- 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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-ROCK FILL COMPRISING 200mm PARTICLE SIZE, WELL GRADED. UNDERLAIN BY 1 LAYER OF BIDIM A34 (OR EQUIVALENT). 1m WIDE x 2m LONG TYPICÁL

DATE: DRAWN: WP/GL 20.10.2022 DESIGN: DATE: MB/DT 19.10.2022 DRG. CHECK: DATE: MB 24.10.2022 DES. CHECK: DATE: 25.10.2022 DT

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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.





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⁻ SLEEPERS ALENT). INS ⁻ ALENT) LINK	: 1 LAYER OF NC TALL 200mm WID ED TO SUBSOIL	ON-WOVEN GEOT DE VERTICAL STF DRAIN. (IF REQU	TEXTILE RIP DRAINS JIRED)			10 20
[F 	DENOTES APPRO REINSTATE BACI F POSSIBLE . Ø100mm PVC PIF	DXIMATE PRE-FA K TO PRE-FAILUF PE EFFLUX AT 25	AILURE GROUND RE PROFILE AND m CTS. SECURE	LEVEL. REVEGETATE,		40
F	PIPE ENDS WITH		OR WIRE MESH			- 60
		200mm PAR UNDERLAIN BIDIM A34 (0 1m WIDE x 2	TICLE SIZE, WEL BY 1 LAYER OF DR EQUIVALENT M LONG TYPICA	l GRADED.). AL		80 100
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	RECOR		ESTIMATED ENGTH OF		PILE SPACIN			•	TIE-BACK	TRAFFIC	PRF-FXCAVAT		
	NUMBE		TREATMENT (m)	PILE Ø (m)	(m)	'L' (m)	(m)	SLEEPERS REQUIRED	/ANCHOR REQUIRED	BARRIER REQUIRED	WIDTH - W (n	n) DEPTH - D (m)	
	DM0086	5 Abernathys Rd	20	0.6	1.5	8	2.0m into RES/EW	Yes (10m)	No	No	0 to 3	0 to 2.5	_
	DM0054	8 Bunkers Hill Rd	90	0.6	1.5	10	2.5m into MW	Yes (87m)	No	Yes	0 to 5.5	0 to 2.5	
	DM0054	9 Bunkers Hill Rd	40	0.6	1.5	5.7	1.0m into MW	Yes (37m)	Yes	Yes	0 to 2.5	0 to 1.5	
	DM0086	9 Bunkers Hill Rd	55 (20m existing piles to be anchored (35m new piles to be constructed ar anchored)) nd 0.6	1.5	6	2.0m into HW/MW	Yes (re-use existing within damaged piles) No (outside of damaged piles	s) Yes	No	0 to 2.5	0 to 1.5	
\wedge	DM0087	0 Bunkers Hill Rd	42	0.6	1.5	6	1.5m into MW	No	Yes	No	2.5	0.3	_
2	\$HQ028	8 Burrier Rd	110		1.5	~~~~~ ⁶ ~~~	2.5m into RES/EW	Yes (107m)	No	Yes	0 to 2.5	Q to 1.5	
	} SH0029	2 Burrier Rd	100	0.6	1.5	8.5	3.5m into HW or 2m int MW	No	Yes	Yes	0	0	
	DM005	5 Foremans Rd	35	0.6	1.5	g		Yes (32m)	No	No	0 to 5.0	0 to 2.5	
	DM0080	5 Kangaroo Valley Rd	40	0.6	1.5	4	1.0m into EW	No	No	Yes	0	0	
	DM0053	3 Mount Scanzi Rd	10	0.6	1.5	5	2.0m into RES/EW	No	No	No	1.5	0.3	
	DM0075	7 Mount Scanzi Rd	17	0.6	1.5	6	2.0m into RES/EW	No	No	No	1.5	0.3	_
	DM0086	4 Mount Scanzi Rd	25	0.6	1.5	7	2.0m into EW	No	No	No	1.5	0.3	_
	NH0001	3 Mount Scanzi Rd	23	0.6	1.5	6	2.0m into RES/EW	No	No	No	1.5	0.3	_
	DM0058	3 Upper Kangaroo River Rd	65	0.6	1.5	9	1.0m into MW	No	No	No	1.5	0.3	_
	DM0082	8* Upper Kangaroo River Rd	25	0.6	1.5	9	1.0m into MW/SW	Yes (22m)	No	No	0	0	_
	DM0051	3 Wattamolla Rd	86	0.6	1.5	11	1.0m into MW/SW	Yes (77m)	No	No	0 to 8	0.6 to 1.2	_
	SH0027	6 Wogamia Rd	60	0.6	1.5	8	1.0m into HW/MW	No	No	Yes	1.5	0.3	_
			35	0.6	1.5	/ 7	2.0m into EVV/HVV	No	No	No	0	0	_
		6 Browns Mountain Rd	25	0.6	1.5	25	2.5m into COL	No	No	No	1.3	0.5	_
\wedge		2 Foremans Rd	20	0.6	2	2.5	2.5 into COL	No	No	No	1.3	0.5	_
<u> </u>	DM0028	2 Burrier Rd	700	0.6	1.5	8 to 10m	2.5m into HW or better	Yes - Some sections do not req	uire No	Yes	0 to 0.5	0 to 1.0	
		0 Burrier Rd	20	0.6	1.5	7	2.5m into HW or better	Yes	No	Yes	0 to 0.5	0 to 1.0	-
	NOTE. FILE	CASING FUSSIBLT REQUIRED ACK	(USS 1011 SPAN (AFFROX) FOR OFFER 211 OF	FILE. TO BE CONFIRM	ED ON SITE.								
		ATIONS:											
	COL = COLL												
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J ADE TO PA NG TABLE			00mm MAX VER BORE		Μ		N GEOMAC 100mm Th 2m (W) X GEO FABF GPMPM-2 ROCK FIL REQUIRE 100mm DI AT BOTH 2N12 1200 DIRECTIO 300mm W DIAGONA	270C NON Y IICK SHOTO 11 (D) X 1(H RICS PROD 11 (OR EQU L FOR GAB MENTS OF AMETER PY ENDS AND MENTS OF IDE STRIP I LLY BETWE	O WOVEN CRETE W H) STEEL UCT COI JIVALEN IONS IS AS2758.4 /C PIPE I EVERY S IN BOTH SOIL NA DRAINS L EN NAIL	P GEOTEXTILE /ITH SL72 MES GABION — DE T) TO MEET THE 4-2000 EFFLUX — Som	Q (OR EQUIVALENT		1000 4% 13	S		U U I U I U I U I U I V I V I V I V I V	m PERFORA GRA SUI ANE GRA SUI ANE GRA SUI ANE GRA SUI ANE GRA SUI ANE GRA SUI ANE GRA SUI ANE GRA	V GRADE PAV STING TAB NSTATE WI % SMDD TO mm ROAD I TABLE EXO D/OR WELL AVEL COMF TABLE EXO D/OR WELL AVEL COMF	W EMENT TOWA E DRAIN TH COMPACT D MATCH EXIS FORMATION AVATED MATE GRADED 40m PACTED TO 98 AVATED MATI -GRADED 40m PACTED TO 98 AVATED MATI -GRADED 40m PACTED TO 95 IN GEOTEXTIL IN DRAINAGE T HICK B40 OR /EL SURFACE	X RDS ED DGB20 AT TING NOMINA RIAL MAX % SMDD ERIAL m MAX % SMDD E SOCK	L	CONSULTANT PROJECT 660.30255 FULL SIZE ON ORIGINAL 0 10 20 40
TW WI TC IN SN-2 SN-2 SN-2	VO ROW TH 'L' M DE PLA CLINED	/S OF SO IETRES C ACED ST/ AT 'D' DE	IL NAILS F EMBEDIA GGERED GREES	AENT LEN AT 'S' CEN	GTH JTRES	bis docum	SL72 GAL	TRAL BUILDING SQUIRES WAY ONG NSW 2500 AUSTRALIA +61 2 4249 1004 sirconsulting.com	ESH		SEE 2015			OF SOIL NARES OF ENED STAGG 'D' DEGRE CENTRALIS AT 2M MAX DETAIL 2					COUNCIE SPECI 5 DRAW	nm MAX R BORE SN-1 SN-1 VARIOU	SSITES	
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	Y LACE THE GABION EL TO THE CUT ING STANDARD ECHNIQUES	TOWARDS UPSLOPE TABLE DRAIN AS REQUIRED W-BEAM BARRIER REFER TO 2003 FOR DETAIL OR REINSTATE IF POSSIBLE - 32MPa HIGH SLUMP CONCRETE CAPPING SLAB 1m WIDE BY 10m LONG REFER TO 2010 FOR DETAIL - GABION BASKET AND EDGE TREATMENT REFER TO 2011 - GABION BASKET / PIPE INSTALLATION REFER TO STEPS 1 TO 5
WMR MTE PGE Scale Fig Scale Fig Scale Fig	ECHNIQUES	
WNY PATE: CLIENT: SHOALHAVEN CITY COUNCIL VOLTE: STREME ST		SN2 SCOUR PROTECTION, AT PIPE CULVERT OUTFLOW AREAS PLACE 1m ROCKFILL LAYER UNDERLAIN BY A4 BIDIM (OR EQUIVALENT) 1m LONG (INTO PAGE)
AWN: DATE: Project: SHOALHAVEN CITY COUNCIL P/GL 20.10.2022 NORTH MULLICASSAND ASTRAIA Sine: DATE: NORTH MULLICASSAND ASTRAIA B/DT 19.10.2022 CHECK DATE: Shoalhaven city council B/DT Project: Shoalhaven city council Project: The content contained within this document may be based on third party data. Shoal: Scale: Brawning Strike Scale: Brawning Number: Ison Scale: Brawning Number: Ison Scale: Ison G60.30255-G-2013 1		
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BION DATE: B/DT 19.10.2022 SLR T: +612 4249 1000 F: +612 4249 1000 Www.stronsutting.com DRAWING TITLE: MB 24.10.2022 The content contained within this document may be based on third party data. FOR CONSTRUCTION A1 Do Not scale THIS DRAWING IF IN DOUBT ASK Scale: DRAWING NUMBER: ISSUE:	AWN: DATE: P/GL 20.10.2022	LEVEL 1, THE CENTRAL BUILDING INNOVATION CAMPUS, SQUIRES WAY NORTH WOLLONGONG NSW 2500 AUSTRALIA
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	MB 24.10.2022 . CHECK: DATE: DT 25.10.2022	ne 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. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consulting Australia Pty Ltd does not guarantee the accuracy of any such information. SLR Consult Pty Ltd does not guarantee the accuracy of accuracy of accuracy of a

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2	3		RECORD NUMBER		LOCATI	ON	ESTIMATED OF TREATM	LENGTH ENT (m)	G	STACKS OF ABION BASK	ET CK-	NUMBEI SOIL NAIL	R OF ROWS	NA
			~~~~~		<u>~~~~~~~~~</u>	v ~~~ v	<u></u> 45	~~~~~		1		2	<u>~~~~~</u>	<u>~~</u>
3	SH00290			Bamarang Rd		25			NO		2			
4			AC00088		Bunkers H	Iill Rd	20	~~~~~		0	$\sim$	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		Wattamoll	la Rd	25			0		2		
7	DM00718         DM00755         DM00863         7       MT00008         8       3       DM00899         8       3       DM00548         9       NH00011         10       DM00549         DM00869       DM00869				Woodhill Mou	intain Rd	64			0		3		
8	3		DM00899	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Bamaran	g Rd	22	~~~~~		0	$\sim$	2	~~~~~	$\sim$
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9			NH00011		Upper Kangaro	o River Rd	25			0	~~~~	3	~~~~~	$\overline{}$
10			DM00549		Bunkers H	lill Rd	40			0		1		
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11			DM00870		Bunkers H	lill Rd	35 42			0		1		
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	0		DOLL								_
IL SIZE mm)	SOIL NAIL HORIZONTAL SPACING 'S' (m)	SLOPE DISTAN	ICE FROM ROAD	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	
	4.5	SN-1	0.8	4.5	25	150	15	200 x 200 x 16	1.0m into EW	NI-	$\neg$
R38	1.5	SN-2	2.3	4.5	25	150	15	200 x 200 x 16	1.0m into EW	INO	
		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	
	1.5	SN-1	0.8	4	25						$\downarrow$
K38		SN-2	2.3	4	25	- 150	15	200 x 200 x 16	4.0m into COL	No	
R38	1.5	SN-1	0.8	6	35	150	15	200 x 200 x 16	1.5m into RES	No	
		SN-2	0.8	5.5	30				2.5III III.0 RES	+	_
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	0.8	- 7	50	150	15	200 x 200 x 16	1.5m into EW	No	
		SN-2	2.3								_
R38	1.5	SN-1	0.8	3	20	150	15	200 x 200 x 16	3.0m into COL	No	
		SIN-2	2.3	2.5	15						_
R38	1.5	SN-1 SN-2	2.3	4		150	15	200 x 200 x 16	4.0m into COL	No	
	1.5	SN-1	0.7		55		20	200 x 200 x 16	1 0m into RES		_
38		SN-2	22	5.5	50				1.5m into RES	Yes	
		SN-3	37		45			200 x 200 x 10	2 0m into RES		
		SN-1	0.8						1.5m into RES/EW		_
R38	1.5	SN-2	2.3	5.5	40	150	15	200 x 200 x 16	-3.5m into RES/EW	No	
$\sim \sim \sim$		SN-1	0.8	2.5	18					Yes (nile	
R38	2.5	SN-2	2.8	3	23					section):	
		SN-3	4.8	3	23	150	20	200 x 200 x 16	1.0m into RES/EW	No (soil nail	
		SN-4	6.8	2.5	18	-				section)	\$
~~~~~		SN-1	0.8		70	+		h	1.0m into RÉS/EW	+	7~
₹38	1.5	SN-2	2.3	8.5	65	150	15	200 x 200 x 16	2.0m into RES/EW	No	
	-	SN-3	3.8	1	55	1			3.0m into RES/EW		
R38	10.0	SN-1	0.35	7		150	15	ANCON	1.5m into MW	Yes	1
	1.5	SN-1	0.7			450	4-	000 000 10			
≺38		SN-2	2.2	7		150	15	200 x 200 x 16	2.0m into HW/MW	No	
R38	8.0	SN-1	0.35	7		150	15	ANCON	2.0m into HW/MW		
R38	10.0	SN-1	0.35	7		150	15	ANCON	1.5m into MW	No	
				SEE 1260 t	0 1262 FOR DET	TAILS				No	1

SHOALHAVEN CITY COUNCIL

PROJECT: LANDSLIDE REMEDIATION DESIGN OF VARIOUS SITES

Council TYPICAL DETAILS AND SPECIFICATIONS

SHEET 9 SCALE:

N/A

T SCALE THIS DRAWING
DOUBT ASK

DRAWING NUMBER: 660.30255-G-2014 ISSUE: 3