

EXCAVATION CERTIFICATE

	1021 Ref. WP # Permit Holder							Date									
	Other Certificat	ces/ Con	Confined Space Entry Elect				Lift Plan Es			timated T	ime of Completion:						
	supporting Hot Work LOTO documents Excavation Working at heio						Traffic management plan Rescue plan										
	Work Location	Exc	avation		Working at	height	_	Emergency respons		Ot	hers						
	WOLK EOCATION				Maximum depth: Width: Length:												
	Project & work	description		Method of Excavation Hand Hydrovac Excavator Other:													
			SITE VERIF	IC	ATION CH	ECKLIS ¹	Γ (f	or presence of un	dergrou	und se	rvices)						
PERMIT HOLDER	Describe how th	e following it	ems have been consi	der	ed for dete	ction (e.g.	gro	ound penetrating rac	dar, indu	ed sig	nal (RF), d	rawings, visu	al)				
	Product pipe line	es				Air services											
	Power cables Instrument cables							Steam services Hot oil services									
	Telephone/comr			Fire & foam services													
	Gas services			Drains													
	Water services	l the etetue e	fundararound convic		mantianad	ahaya at t	at the proposed excavation site.										
	Permit Holder:	i the status o	ir underground servic	es	mentioned a	Signature		proposed excavation	ii site.	Date:			Time:				
	r omme rioldor.					Oigilataio	•				Duto.			11110.			
	For EXCAVATIONS , the relevant maintenance and services supervisors shall sign to indicate that all relevant drawings have been checked and any known underground cables and equipment noted.																
			nderground Name vices present					gnature	Desig		ignation		Date				
	a. Civil																
	b. Mechanical c. Electrical																
	C. Electrical	1 / 19				SIT	ЕН	AZARDS									
		n hazardous zo	Working on road														
	Exposure to Fall risk fo 1.	gases from soi 3m or more	Ttype	Resource consent required Excavation adjacent to buildings or structures													
	Involves tank removal/installation							Others									
	Involves den		TROLS (Permit Iss	sue	r to check	require	d co	ontrols and then i	nitial o	nce co	ntrols ar	e in place)					
	Req'd Confirm																
	П —		ocal authorities for the s			-					: / l- l:						
E			id electrical/instruments I cabling/piping marked v						radius ard	ouna pir	oing/cabling						
) SSD	Advice required from a chartered professional engineer for excavation adjacent to building or structures																
135		Exposed piping and cabling to be assessed for support requirements Workers to maintain safe distance while equipment is in operation (guide 2m radius for swing radius and drop zones)															
PERMIT ISSUER			ection required for potent d maintain a 2m clear co														
) ER			mechanical plant SWL, p						ab								
_			n from falling objects pro n barrier/fencing or cove						d overniak	\+							
		Slopes, sh	horing, Benching require	d fo	r excavation	deeper tha	n 1.5	meters to prevent coll	apse								
			cal plant, vehicles and/or vation 6 meters or deepe		,					avation							
		Additiona	al PPE required for handl	ing	contaminated	d soil											
	Hazard warning notices to be placed at all exits and entrances to work area, including after hours contact details Mechanical plant and equipment inspections completed																
	Daily inspection of the structural integrity of excavation to be conducted and recorded prior to start of work,																
	and after rain or other event that would affect the stability of the face																
APPROVAL	APPROVAL TO START WORK I certify that I have reviewed the proposed work and I am satisfied that it is adequately described on the Work Permit and that the controls detailed in this certificate																
	are adequate and			am	satisfied the	at it is ade	qua ⁻	tely described on the	Work Per	mit and	d that the c	controls detaile	ed in t	his certificate			
	The Work Permit is allowed FROM (Date/time)							TO (Date/time)									
	Permit Holder: Sign							ə: -			Date:		Time:				
	I certify that I am aware of the planned work and the controls detailed on the Work Permit and will ensure that work only proceeds when all the conditions set out in the documentation are met.																
	Permit Issuer:					Signature	e:				Date:			Time:			
CLOSE OUT								E OUT									
		vork has been	completed and the wo	to the ori	1						Timo						
	Permit Holder:									Date:	Date: Time:						
	I have checked t	ne worksite ar	nd confirmed that the e	exc	avation has l	been com	plete	ed.									
	Permit Issuer:					Signature	e:				Date:			Time:			
	SOR-011 v10_ZEOR077																

Part 1 - FOB - Black Ink Pms 467

Master Copy - Post at Work Sit



	1021	Ref. WP # Permit Holder							Date										
	Other Certificat	tes/	Confined Space Entry Electrica			Electrical			Lift Plan	_			Time of Co	Completion:					
	supporting documents							•	$\overline{}$	Rescue plai	1								
	Work Location		Excavatio	n		Working at	height	Ev	Emergency respon			Others							
	WOLK LOCATION							Excavation Dimensions Maximum depth: Width: Length:											
	Project & work description								Method of Excavation Hand Hydrovac Excavator Other:										
				SITE VERIF	FIC	ATION CH	ECKLIS"	T (1	for presence of ur		<u> </u>								
띪	Describe how th	ne follow	ving items h						ound penetrating ra				drawings, v	/isual)					
PERMIT HOLDER	Product pipe line	es						Air services											
	Power cables Instrument cables							Steam services Hot oil services											
	Telephone/comms							Fire & foam services											
	Gas services							Drains Drains											
	Water services																		
		d the sta	atus of unde	erground service	ces	mentioned		at the proposed excavation site.											
	Permit Holder:						Signature	e:				Date:			Time:				
	For MECHANICAL EXCAVATIONS , the relevant maintenance and services supervisors shall sign to indicate that all relevant drawings have been checked and any known underground cables and equipment noted.													checked and any					
			nderground Name vices present					Signature			Designation			Date					
	a. Civil	Civil Y/N/NA																	
	b. Mechanical	Y/N/NA Y/N/NA																	
	c. Electrical	1 /	IN / INA				SIT	Έŀ	HAZARDS										
	Excavation in hazardous zone								Working on road										
	Exposure to gases from soil type Fall risk fo 1.8m or more							Resource consent required Excavation adjacent to buildings or structures											
	Involves tank removal/installation							Others											
	Involves den		CONTROL	0 (D 't I .			•	.1 .		• . • . • . • . •									
	Reg'd Confirm		CONTROL	.5 (Permit is:	sue	er to cneck	require	a c	ontrols and then	<u>initiai o</u>	nce c	ontrois a	re in piac	e)					
			ntact local au	thorities for the s	serv	ices (Dial Bef	ore You Dig	a)											
<u>~</u>			-			,			n spades) within 1 mete	r radius ar	ound p	iping/cablin	g						
PERMIT ISSUER				g/piping marked from a chartered					าเ vation adjacent to build	ing or stru	ıctures								
<u> 38</u>				and cabling to be															
I <u>⊨</u> I	 								n (guide 2m radius for more	swing radi	us and	drop zones,)						
	Fall protection required for potential fall distance of 1.8 meters or more Install and maintain a 2m clear cordoned area around the excavation to prevent falls																		
ם	l⊢l			iical plant SWL, p falling objects pr			,	0 1	perator safe access to c	ab									
		<u> </u>	lm high barrie	r/fencing or cove	er to	be erected a	round oper	n exc	cavation left unattende	d overnigl	nt								
	 			for excavation de					: collapse m of 600mm from the (adae of th	0 00001	ation							
		For	r excavation 6	meters or deepe	er, s	ervices of a sp	oecialised o		tered professional engi	-	o oxou	dion							
	Additional PPE required for handling contaminated soil																		
	Hazard warning notices to be placed at all exits and entrances to work area, including after hours contact details Mechanical plant and equipment inspections completed																		
	Daily inspection of the structural integrity of excavation to be conducted and recorded prior to start of work, and after rain or other event that would affect the stability of the face																		
Н	APPROVAL TO START WORK																		
APPROVAL	I certify that I have reviewed the proposed work and I am satisfied that it is adequately described on the Work Permit and that the controls detailed in this certificate																		
	are adequate and	d clearly	defined.																
	The Work Permit is allowed FROM (Date/time)									TC	TO (Date/time)								
								ure:			Date:			Time:					
	I certify that I am aware of the planned work and the controls detailed on the Work Permit and will ensure that work only proceeds when all the conditions set out in the documentation are met.																		
	Permit Issuer:						Signature	e:				Date:			Time:				
OUT	CLOSE OUT																		
	The excavation work has been completed and the work area restored to the Permit Holder: Signa														Timo:				
)E	Fermit notaer:											Date:	Date: Time:						
CLOSE	I have checked the worksite and confirmed that the excavation has been cor								pleted.										
	Permit Issuer:						Signatur	e:				Date:			Time:				
LIGHOA	FOR-011 V10 ZEOP077				_			_						Mant	er Cony - Post at Work Site				

Part 2 - FOB - Black Ink