Ex_1_T_5_S_6_Attach_1_Part 2



TBTE Engineering Group ATTN: Tim Fummerton 711 Harold Cres Thunder Bay ON P7E 6T9 Date Received: 03-NOV-15 Report Date: 11-NOV-15 12:59 (MT) Version: FINAL

Client Phone: 807-624-5162

Certificate of Analysis

Lab W ork O rder #: L1697429 Project P.O. #: 11011 Job Reference: C of C Numbers: Legal Site Desc:

Rikki Thomson Account Manager

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ADDRESS: 1081 Barton Street, Thunder Bay, ON P7B 5N3 Canada | Phone: +1 807 623 6463 | Fax: +1 807 623 7598 ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company



BRHT SOLUTIONS PROCESSION

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1697429-1				
	Description	Soil				
	Sampled Date	03-NOV-15				
• • •	Sampled Time	14:15				
、	Client ID	1483 BH 48A 0-3M				
· · · · · · · ·	• • • • • • • • • • • • • • • • • • •	1	i			:
Grouping	Analyte	1			-	
SOIL						
Physical Tests	% Moisture (%)	6.57		:		:
	pH (pH units)	5.65		:		
:	Redox Potential (mV)				2 2 1	`
		277				
;	Resistivity (ohm cm)	27700				
Leachable Anions	Chloride (ppm)	<5.0				
	Sulphide (as S) (mg/kg)	<0.20				
Anions and	Sulphate (ppm)	46				:
Nutrients		UT UT		,	х х 	Ì
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Reference Information

Test Method References	s:				
ALS Test Code	Matrix	Test Description	Method Reference**		
CL-R511-WT	Soil	Chloride-O.Reg 153/04 (July 2011)	EPA 300.0		
5 grams of dried soil is mix chromatography.	ked with 10 g	rams of distilled water for a minimum of 3	30 minutes. The extract is filtered and analyzed by ion		
Analysis conducted in according Environmental Protection	ordance with Act (July 1, 2	the Protocol for Analytical Methods Used 011).	in the Assessment of Properties under Part XV.1 of the		
MOISTURE-WT	Soil	% Moisture	Gravimetric: Oven Dried		
PH-R511-WT	Soil	pH-O.Reg 153/04 (July 2011)	MOEE E3137A		
A minimum 10g portion of is separated from the soil a	the sample i and then ana	s extracted with 20mL of 0.01M calcium c lyzed using a pH meter and electrode.	shloride solution by shaking for at least 30 minutes. The aqueous layer		
Analysis conducted in according Environmental Protection A	ordance with Act (July 1, 2	the Protocol for Analytical Methods Used 011).	I in the Assessment of Properties under Part XV.1 of the		
REDOX-POTENTIAL-WT	Soil	Redox Potential	APHA 2580		
This analysis is carried out are extracted at a fixed rati employed, in mV.	in accordan o with DI wa	ce with the procedure described in the "A ter. Results are reported as observed oxi	PHA" method 2580 "Oxidation-Reduction Potential" 2012. Samples dation-reduction potential of the platinum metal-reference electrode		
RESISTIVITY-WT	Soil	Resistivity	MOECC E3138		
Resistivity on a soil is a 2:1 calculated for resistivity.	extraction o	of DI water to soil. Sample is tumbled for	30 min. Conductivity of the extraction is taken and the inverse is		
SO4-WT	Soil	Sulphate	EPA 300.0		
SULPHIDE-WT	Soil	Sulphide (as S)	APHA 4500S2D		
Sulphide in Soil analysis is the distillate. The sample is	based on Al s then analyz	PHA 4500 S2D. A sub-sample of the soil ted on a spectrophotometer.	sample is distilled, sulphuric acid and sodium hydroxide are added to		
** ALS test methods may inco	prporate mod	lifications from specified reference metho	ds to improve performance.		
The last two letters of the at	oove test coo	de(s) indicate the laboratory that perform	ed analytical analysis for that test. Refer to the list below:		
Laboratory Definition Code		atory Location	· · · · · · · · · · · · · · · · · · ·		
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WT	ALS E	NVIRONMENTAL - WATERLOO, ONTA			
Chain of Custody Numbers	:				
applicable tests, surrogates mg/kg - milligrams per kilogr mg/kg wwt - milligrams per ki mg/L - milligrams per litre. < - Less than. D.L The reported Detection	t is similar ir are added to am based oi diogram base logram base n Limit, also	n behaviour to target analyte(s), but that o samples prior to analysis as a check or n dry weight of sample.	does not occur naturally in environmental samples. For n recovery.		

Test results reported relate only to the samples as received by the laboratory. UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION. Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Filed: 2024-02-05 EB-2023-0298 Exhibit 1 00720 Tab 5 Schedule 6

Attachment 1

CONSTRUCTION LINE LIST (Rev 10-05-17)

equirements in this table will be addressed via Change Order process) Attachmen				
Tract	Legal Description	Parcel ID	Landowner	Page 1 Construction Commitment
	+			

			Filed: 2024-02	
			EB-2023-02	
			Exhibi	it 1 00721
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			Schedule	
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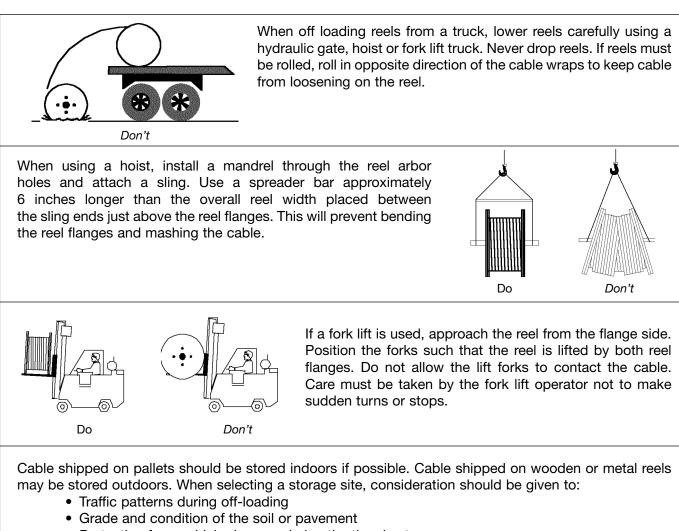
Filed: 2024-02-05 EB-2023-0298 Exhibit 1 00722 Tab 5 Schedule 6 Attachment 1 Page 3 of 3

	Compensation				
Tract		Parcel ID	Landowner	Additional Commitments	
maci		Farcerib	Landowner	Additional commitments	
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Packaging Information

Recommended Reel Handling Procedures

h



- Protection from vehicle damage during the time in storage
- Environmental conditions such as exposure to heat, corrosive chemicals, etc.



Don't

Cable reels should be stored on hard surfaces resting on the flanges edge (flanges vertical). Align reels flange to flange and, if possible, arrange so that first in is first out. Multiple reels stacked on top of each other ("Pancake" storage), or storing reels flat (flanges horizontal) is not recommended for bare conductor or medium-voltage cable. The weight of the stack can total thousands of pounds creating an enormous load on the bottom reel. Also, damage to the reel and/or cable will likely occur when the reel is flipped for transit. A concentration of stress on the reel flange may cause it to break and subsequently damage the cable.





Packaging Information Recommended Reel Handling Procedures

If cable reels must be pancaked or stored in vertical racks, do not lift the reel by the top flange. Spacers placed under the bottom flange and between reels (two 2x4s placed wide side up) create a space to insert the forks and lift the reel without damaging the cable. If nails are used to secure the spacers, make sure the nails do not go through the flange and into the cable.





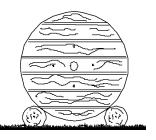


End View of Spacers



Do

For extended storage of bare or insulated cables (spare cable, etc.) reels should be stored cradled between railroad ties, power poles or crossarms. Size and spacing of the supports should raise the flange above the ground.



This helps keep the flanges from decaying and prevents the reels from rolling. At temporary storage sites where soil may be soft, preservative-treated plywood sheets may be used to keep reel flanges from sinking into the ground.

When possible, the reel wrap or lagging supplied on the reels should be replaced to help protect the cable from inadvertent damage. Under extreme environmental conditions, other measures may be necessary. To prevent entrance of water, cable ends should be sealed with plastic end caps. Electrical tape does not offer a sufficient seal. When lengths are cut, cable ends should be immediately resealed and secured.

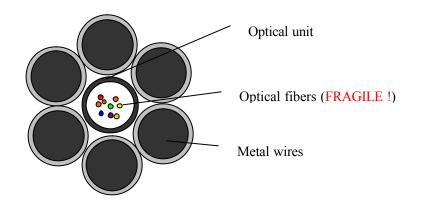


1. SCOPE

This manual covers instructions on handling of OPGW cables during transportation and storage. Proper handling is crucial to guarantee the full function of the OPGW cable after transportation and storage.

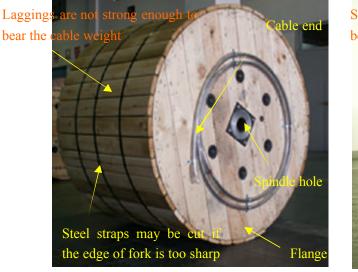
2. GENERAL INFORMATION

OPGW (Fiber Optic Overhead Ground Wire) is a cable that has the dual functions of a standard ground conductor with telecommunication capacities. More care should be taken than a general conductor cable, as it contains fragile optical fibers inside.

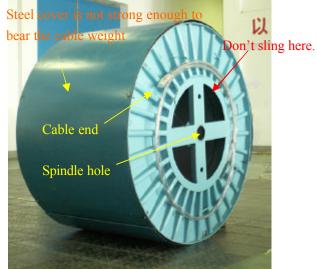


General construction of OPGW cable

OPGW cable is wound either on a wood reel or a metal reel. Both reels are designed to withstand outer force during production, transportation and installation ONLY if handled properly. Below is the general view of the reels with precautions.

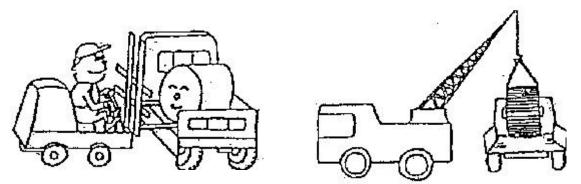


OPGW on wood reel

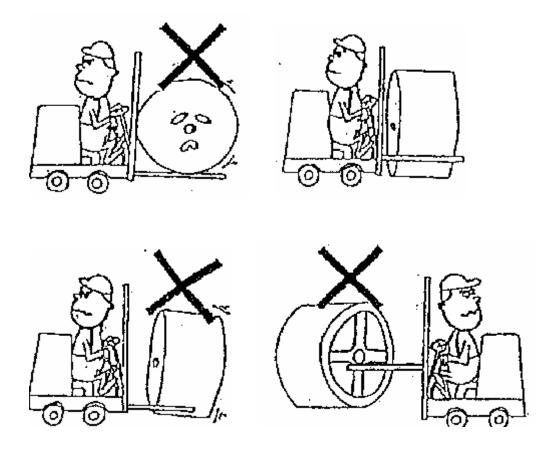


OPGW on metal reel

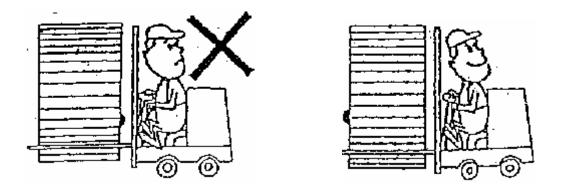
3. PRECAUTIONS WHEN HANDLING



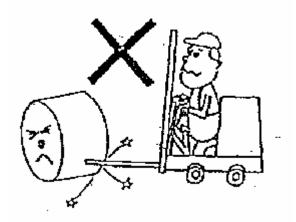
- When lifting, place the fork from the bottom of the reel with a direction parallel to the axle.
- Be sure that the tips of the forks reach the other side of the flange to cover the full width of the reel before lifting.



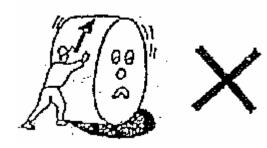
- Don't damage any part of the cable reel, pay attention especially to the cable end exposed outside of the flange. It is preferable to approach the reel from the other side of the cable end.



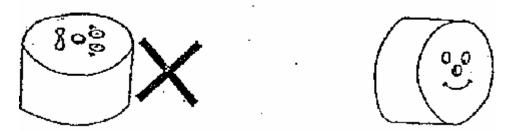
- Handle with care. Don't hit the reel with the fork. Pay attention not to cut the steel straps wrapped over the reel. If the edge of the forks of lift truck is sharp, wrap them with rags for protection.



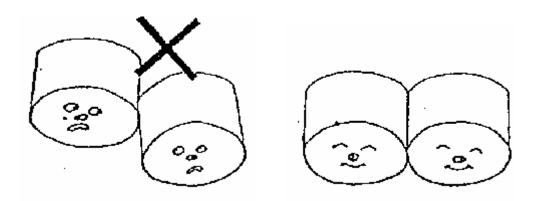
- Don't roll the reel.



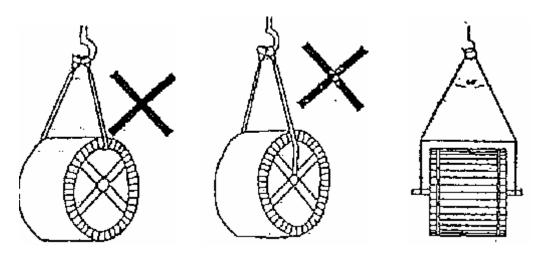
- Don't lay the reel flat.



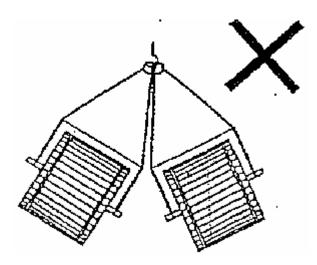
- When arranging multiple reels with the same size for loading or storing, place them with the flanges facing each other. (The middle of the lagging may be destroyed if compressed by the adjacent reel.)



- Don't sling the reel at the inner barrel. Sling at a bar passed through the spindle holes.
- Use a separation bar shall be installed to avoid direct contact of sling on the top of the flanges.
- The angle between the slings shall not exceed 60 degrees.

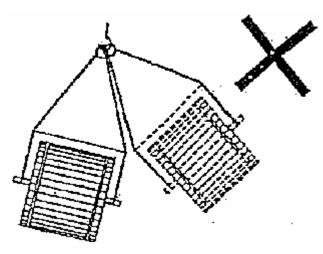


- Sling only one reel at a time.

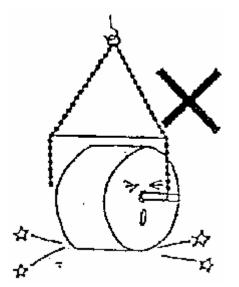


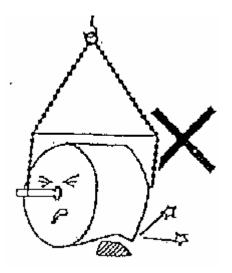
Page 5 of 9

- Be sure to position the sling symmetrically so that the reel is well balanced before lifting.



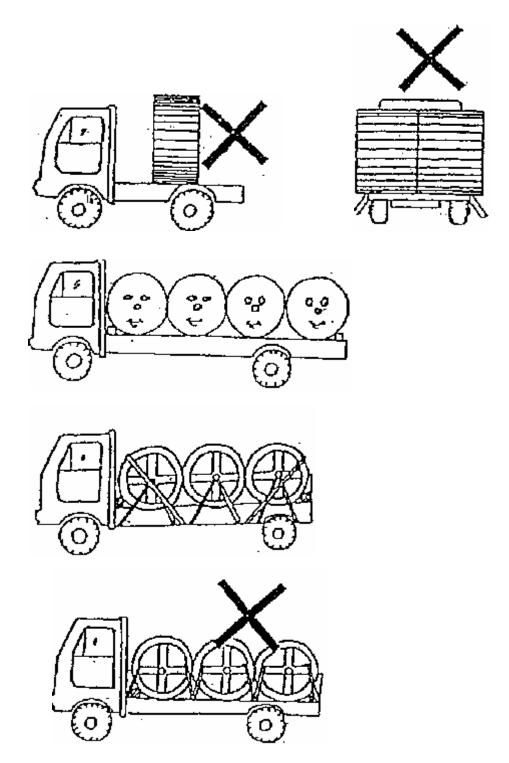
- Land the reel slowly. Avoid sudden movement.
- Remove any obstacles on the ground.



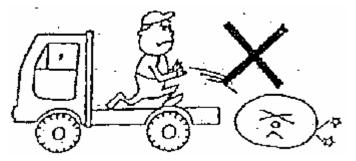


4. TRANSPORTATION

- The reels shall be loaded on truck with the flanges upright and along the line. Limit the number of reels so that all the reels are placed securely within the truck bed. Use battens to fix the reels firmly on the truck.



- Don't throw the reel from the truck when unloading. Use a forklift or a hoist crane.

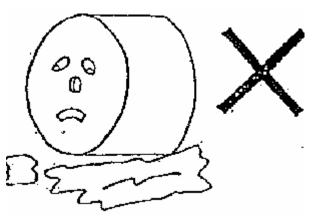


- After unloading, use battens to prevent the reel from rolling.



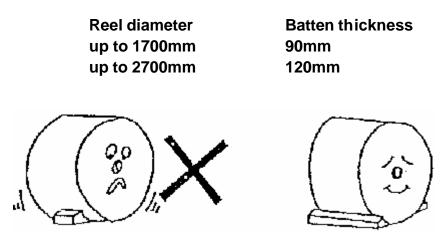
5. STORING

- Don't leave the reel outdoors for long term. For temporary outdoor storage, place the reel at least 10cm above to the ground. Cover the reel with a waterproof sheet and be sure that the ground is well drained.

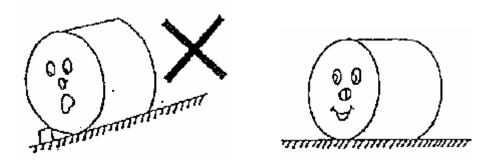


- Use battens to prevent the reel from rolling. Battens shall be long enough to cover the full width of the reel. If small pieces of battens are used, position them right below the flanges, not below the middle of the laggings.

- Below is the recommended size of battens.



- Keep a space of at least 15cm from the wall of warehouse.
- Don't store the reel on an angled slope.



- Don't put anything on the reel during storage.
- For a long term storage, it is recommended to open some part of the reel by removing some of the laggings to keep better ventilation.

