

TR#:	Section:	Champion:	Proposed Best Practice / Changes:
2019 - 85	BP 4.0 REVISED	ORCGA	<p><b>4-16: Marking Preservation</b></p> <p><b>Practice Statement: NEW</b></p> <p>The excavator, where practical, <b>should</b> protect and preserve locate markings, or other designations of underground facilities, until no longer required for proper and safe excavation. The excavator <b>should</b> stop excavating and <b>request re-marks where the original locate markings are no longer visible, but work continues around the facility.</b></p> <p><b>Practice Description: NEW</b></p> <p>Protecting and preserving the locate marks to prevent possible damages and delays caused by relocations is a shared responsibility. The excavator is responsible for reasonably protecting and preserving facility location markings until no longer required for proper and safe excavation. The facility owner and locator are responsible to support the excavator by providing suitable marking and to refresh the marks if they are no longer legible.</p> <p><b>Excavator’s Responsibilities:</b></p> <ol style="list-style-type: none"> <li>1. As part of the locate request, describe the type and extent of proposed excavation so that facility owners and locators can determine the proper means of marking based on terrain, site conditions and the type and extent of the proposed excavation.</li> <li>2. Plan work in proper phases to avoid unnecessary locating or destroying of facility location markings caused by excavation activity, vehicle traffic, etc.</li> <li>3. Use White paint or other methods to manage and identify the location of the original marks.</li> <li>4. Where practical, record and document all actions taken to preserve the markings and offsets prior to excavation.</li> <li>5. Where practical, avoid driving equipment and vehicles over the markings during everyday activities.</li> <li>6. Where practical, avoid covering the markings with dirt or debris due to excavation, etc.</li> </ol> <p><b>Facility Owner/Locator’s Responsibilities:</b></p> <ol style="list-style-type: none"> <li>7 Be alert for marking requests by excavators and for site conditions that may adversely affect preserving the marks.</li> <li>8 Avoid placing marks on surfaces that will be removed by indicated method of excavation and/or provide offset markings in anticipation of this.</li> </ol>

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			<p>9 Consider use of more permanent marking methods in hostile environments. These may include but are not limited to, semi- permanent paint, offset stakes, marker posts</p> <p>Reference;</p> <ul style="list-style-type: none"> <li>● CGA Best Practice 5-17</li> <li>● Lone Star 811 Excavator Manual</li> </ul>
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Responding Regional CGA	Date	Comments:
BCCGA		
ABCGA		<p>As long as this pertains only to ground markings (must specify, as other locate types exist).</p> <p>4-16 – Preservation of Ground Markings</p> <p><b>Practice Statement</b></p> <p>The excavator, where practical, should protect and preserve ground markings, or other physical designations of underground facilities, until no longer required for proper and safe excavation. The excavator should stop excavating and request re-marks where the original locate markings are no longer visible, but work continues around the facility.</p> <p><b>Practice Description: NEW</b></p> <p>The excavator is responsible for reasonably protecting and preserving facility location markings until no longer required for proper and safe excavation. The excavator is responsible for requesting new markings when they are no longer visible.</p> <p><b>Excavator’s Responsibilities:</b></p>

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		<p>1. Plan work in proper phases to avoid unnecessary locating or destroying of facility location markings caused by excavation activity, vehicle traffic, etc.</p> <p>2. Where practical, record and document all actions taken to preserve the markings</p> <p>3. All steps taken to preserve markings must be sufficient to re-establish the original marks prior to excavation.</p> <p><i>1. Removed - No connection to preserving marking.</i></p> <p><i>3. Remove – white paint would cause confusion with site boundaries. Other paint colours have caused investigation issues related to who put what paint where and when. Suggest not including specific methods, but rather that method must be sufficient and recorded. Some excavators are using GIS/Subsurface maps to record and preserve original line marks. Offsets requirements change with terrain, LOS, facility, etc... too many variables.</i></p> <p><i>6 and 7. Remove. redundant (see 2)</i></p> <p><i>Facility owner responsibility – NONE. Remove.</i></p>
SCGA		<p>“The excavator, where practical, <b>should</b> protect and preserve locate markings, or other designations of underground facilities, until no longer required for proper and safe excavation. “ Suggest removing “should” from this sentence, as it is redundant with the “where practical” in the same sentence.</p> <p>The practice description is very lengthy. One suggestion to reduce the length is to delete aspects that are already covered in other areas of the BP and summarize the rest of points into a few sentences. For instance, 3-8 reviews marking methods and 4-3 refers to white lining, thus comments referring to this do not need to be repeated.</p>
SCGA	2020-08-11	<p>“The excavator, where practical, <b>should</b> protect and preserve locate markings, or other designations of underground facilities, until no longer required for proper and safe excavation. “ Suggest removing “should” from this sentence, as it is redundant with the “where practical” in the same sentence.</p> <p>The practice description is very lengthy. One suggestion to reduce the length is to delete aspects that are already covered in other areas of the BP and summarize the rest of points into a few sentences. For instance, 3-8 reviews marking methods and 4-3 refers to white lining, thus comments referring to this do not need to be repeated.</p> <p>Suggest removing Facility Owner/Locator responsibilities as this statement is in regards to preserving marks already completed. The appropriate requirements for marking is discussed in other aspects of the BP manual, thus does not require repeating.</p> <p><b>Practice Statement: NEW</b></p>

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		<p>The excavator, where practical, <b>should</b> protect and preserve locate markings, or other designations of underground facilities, until no longer required for proper and safe excavation. The excavator <b>should</b> stop excavating and <b>request re-marks where the original locate markings are no longer visible, but work continues around the facility.</b></p> <p><b>Practice Description: NEW</b></p> <p>The excavator is responsible for reasonably protecting and preserving facility location markings until no longer required for proper and safe excavation. The facility owner and locator are responsible to support the excavator by providing suitable marking and to refresh the marks if they are no longer legible.</p> <p><b>Excavator’s Responsibilities:</b></p> <ol style="list-style-type: none"> <li>1. Plan work in proper phases to avoid unnecessary locating or destroying of facility location markings caused by excavation activity, vehicle traffic, etc. Such as: avoid driving equipment and vehicles over the markings during everyday activities, and avoid covering the markings with dirt or debris.</li>   <li>2. Where practical, record and document all actions taken to preserve the markings and offsets prior to excavation.</li> </ol>
ORCGA		
QRCGA		<p>Section 3 is related to BP for the excavator, why add “Excavator’s responsibilities”. If Description practice not complete, we could add info. In the French version, we do not have “should” or “shall” or “must”, we use the present. For example: The excavator preserves, takes, respects etc...</p>
ATLCGA		<p>Do not agree. Suggest removing “should” from this BP, as some legislation states "Shall" (For example Alberta Pipeline Rules 63(2)) Agree with SCGA: “The practice description is very lengthy. One suggestion to reduce the length is to delete aspects that are already covered in other areas of the BP and summarize the rest of points into a few sentences. For instance, 3-8 reviews marking methods and 4-3 refers to white lining), thus comments referring to this do not need to be repeated.” Also, it could be dangerous to mark facilities with white paint as this colour is designated for parking the work area.</p> <p>Additionally, some of the responsibilities listed for the excavator are actually Locator responsibilities.</p> <p>AB Pipeline Rules - 63(2) The person responsible for a ground disturbance shall keep all pipeline warning signs or markers referred to in section 60(4) visible and legible for the duration of the ground disturbance and shall replace or relocate them if necessary.</p> <p>AB OHS Code Part 32 - 447(3) An employer must ensure that steps are taken to re-establish the locate marks for buried or concrete-embedded facilities if activities at the work site move or destroy the locate marks.</p>

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MCGA		
CCGA		