

From: Phoebus, Elizabeth (Betsi)
Sent: Thursday, January 6, 2022 6:05 PM
To: Assenza, Adam; Buckley, Maggie
Subject: FW: [EXTERNAL] [JIRA] (IMOV-8737) RE: Fwd: UPRR Pecos Industrial Rail Access and Train Extension (PIRATE) Preliminary Environmental Consultation

Adam –

A comment from the National Geodetic Survey came directly to me.

- Betsi

From: deborah.brooks <ngs.infocenter@noaa.gov>
Sent: Thursday, January 6, 2022 4:52 PM
To: Phoebus, Elizabeth (Betsi) <Betsi.Phoebus@jacobs.com>
Subject: [EXTERNAL] [JIRA] (IMOV-8737) RE: Fwd: UPRR Pecos Industrial Rail Access and Train Extension (PIRATE) Preliminary Environmental Consultation

A comment is added on your issue:

Re: RE: Fwd: UPRR Pecos Industrial Rail Access and Train Extension (PIRATE) Preliminary Environmental Consultation

Thank you for informing the National Geodetic Survey (NGS) of Union Pacific Railroad Company (UP)'s proposal to construct approximately six miles of new rail line in Maricopa, Arizona.

There could be geodetic survey marks located in the proposed project area, and any marks still present could be disturbed by the construction. While it is illegal to disturb or destroy a mark, sometimes disturbing or destroying a mark is unavoidable. In such cases, the mark can often be preserved or reset with advanced planning. NGS provides the public with tools to search for and locate survey marks, see the NGS Data Explorer (<https://geodesy.noaa.gov/NGSDataExplorer/>).

If a mark will be disturbed by the construction, UP should consult with NGS at least 90 days prior to beginning salvage activities that will disturb, or destroy any geodetic marks identified nearby. Information is available online to help reset marks or report disturbed/destroyed marks:

<https://geodesy.noaa.gov/surveys/mark-recovery/index.shtml>

<<https://www.google.com/url?q=https://geodesy.noaa.gov/surveys/mark-recovery/index.shtml&sa=D&ust=1560385764139000&usg=AFQjCNGDkoXCHtBcDJBsXm2KQLkhcwYDxQ>>.

This notice is also being shared with Lynda Bell (lynda.bell@noaa.gov, 240-988-5919) the Regional Geodetic Advisor, so she may work with any interested local agencies or stakeholders.

If you have additional questions, please email NGS.Infocenter@noaa.gov.

Sincerely,
Deborah M. Brooks
Communications Specialist
deborah.brooks@noaa.gov

More information on preserving marks, mark resets, and destroyed marks.

Preserving Marks

Significant resources were invested to create an extensive geodetic network across the United States by establishing precise coordinates at physical survey marks. Disturbing or destroying these marks reduces geodetic control available to local surveyors, so please make every effort to preserve this valuable network.

Mark Resets

If a mark is about to be destroyed (e.g., due to planned construction), it may be possible to reset the mark and retain the geodetic control. Review the Bench Mark Reset Procedures

(https://geodesy.noaa.gov/PUBS_LIB/Benchmark_4_1_2011.pdf) or contact your closest geodetic advisor (<https://geodesy.noaa.gov/ADVISORS/index.shtml>).

Please do not attempt to reset a mark that has been separated from the base. Any remnants of destroyed marks must be properly discarded and not reused in any manner, as this is a violation of Federal law.

Destroyed Marks

If it is determined that a mark has been destroyed, please provide enough photo evidence to show how this determination was made. To submit this information to NGS, follow the instructions regarding “destroyed marks” on the Mark Recovery Entry web page (

https://geodesy.noaa.gov/cgi-bin/recvy_entry_www.prl)