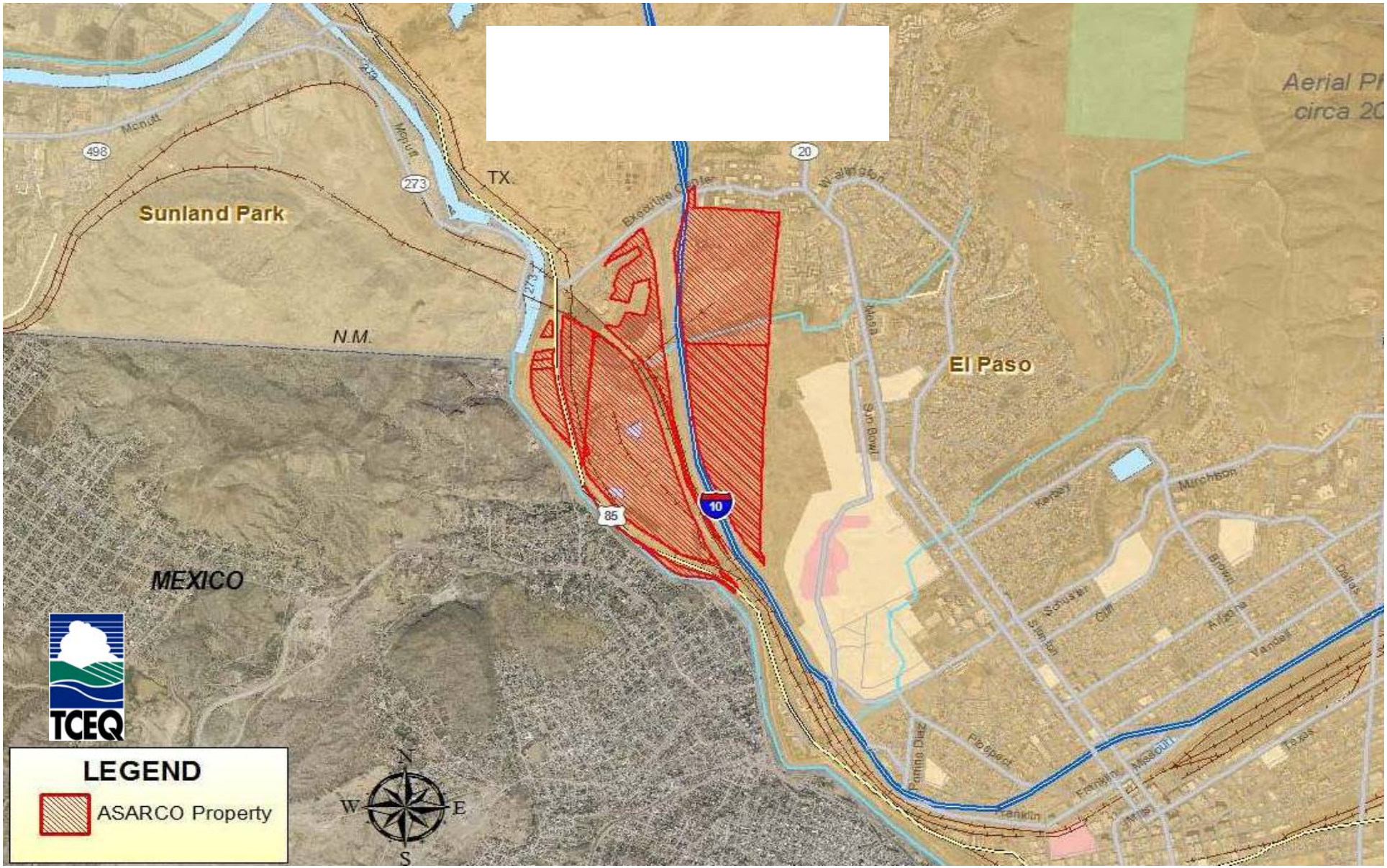
EXPLANATION OF TCEQ COST ESTIMATE FOR REMEDIATION AT THE ASARCO COPPER SMELTER

EL PASO, TEXAS

May 11, 2009

THE ASARCO SITE



THE CURRENT LAND USE IS COMMERICAL/INDUSTRIAL

CLEAN UP STANDARD USED FOR THE ASARCO SITE IS COMMERCIAL/INDUSTRIAL

This is determined by comparison to existing land use in accordance with 30 TAC Chapter 350, Texas Risk Reduction Program (TRRP).

CHEMICALS OF CONCERN

- The elements which comprise the Chemicals of Concern (COCs) at the ASARCO site include arsenic (As), cadmium (Cd), chromium (Cr), copper (Cu), iron (Fe), lead (Pb), selenium (Se) and zinc (Zn).
- The most prevalent COCs are arsenic, lead, and cadmium.

TCEQ

REMEDIATION
VS
RESTORATION

- Remediation is the act of eliminating or reducing the concentration of chemicals of concern in environmental media.
- Restoration is returning an area to an unimpaired condition.

TCEQ

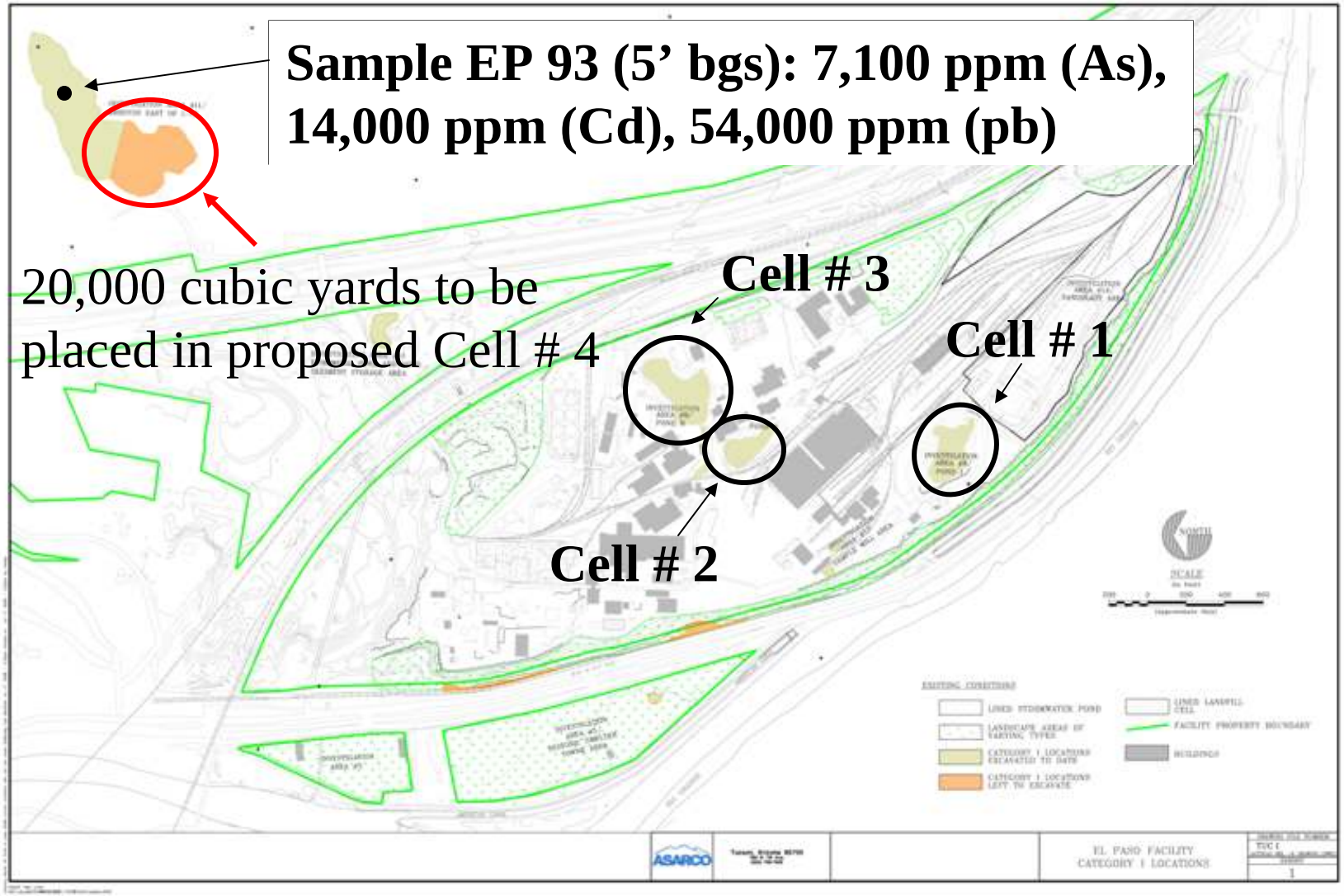
TCEQ COST ESTIMATE FOR REMEDIATION AT ASARCO SITE

Demolition of Structures	$ 8.9 Million
Asphalt Paving (75.50 acres)	$ 9.8 Million
Construct Fourth Cell & Fence	$ 5.9 Million
Groundwater Remediation	$ 21.9 Million
Post Closure Care	$ 3.3 Million
Other Expense	$ 2.2 Million
Total	$ 52.0 Million

TCEQ

CATEGORY I MATERIAL

Defined as material that could impact human health and the environment



TCEQ

EXCESS MATERIAL WILL BE RELOCATED TO PROPOSED CELL # 4

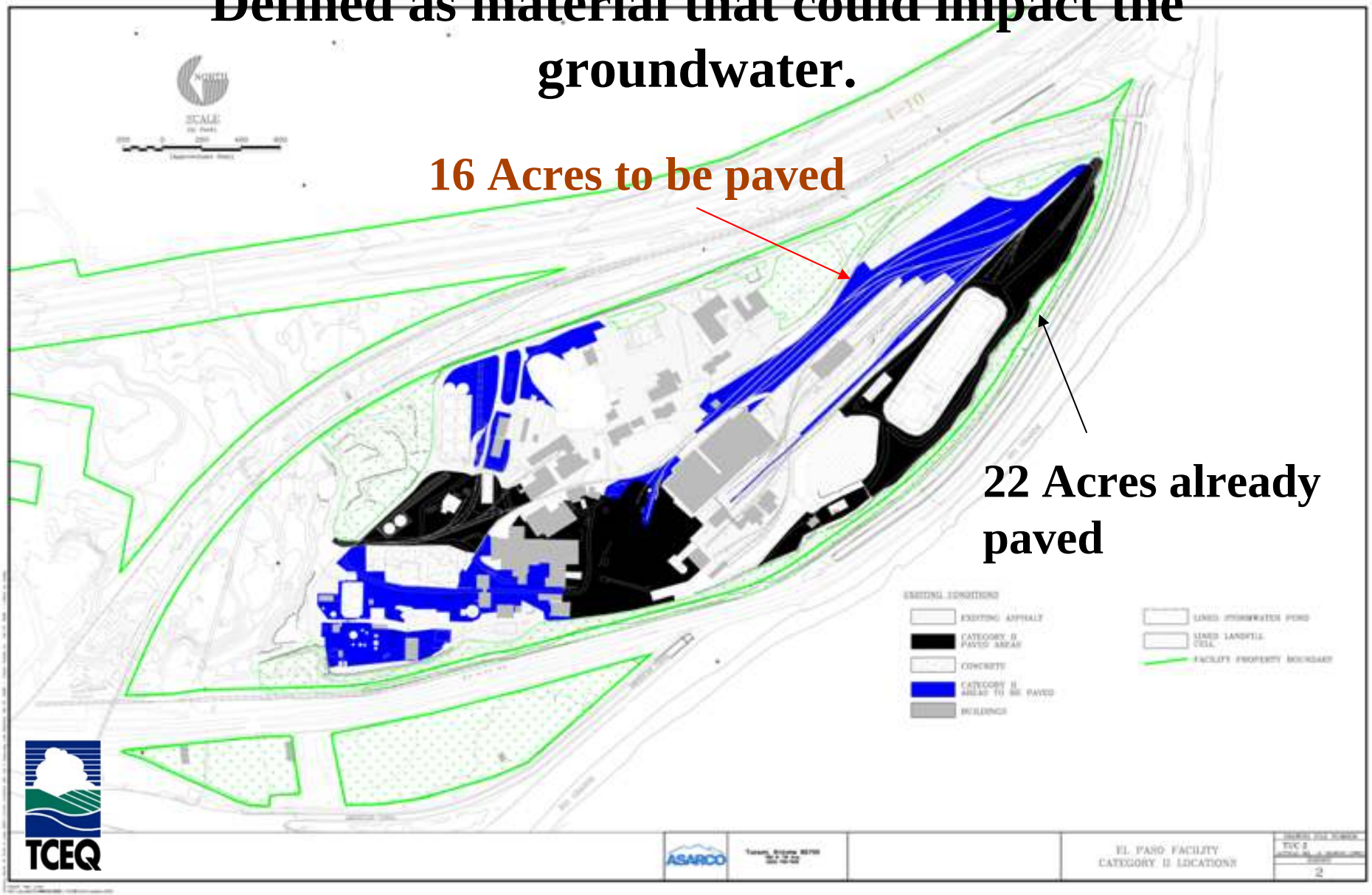
PROPOSED CELL # 4

- Same design as current cells with a liner and drainage layer to prevent water from coming in contact with the buried material.
- 303,000 cubic yard capacity.
- Additional engineering study is needed to determine the proper location.

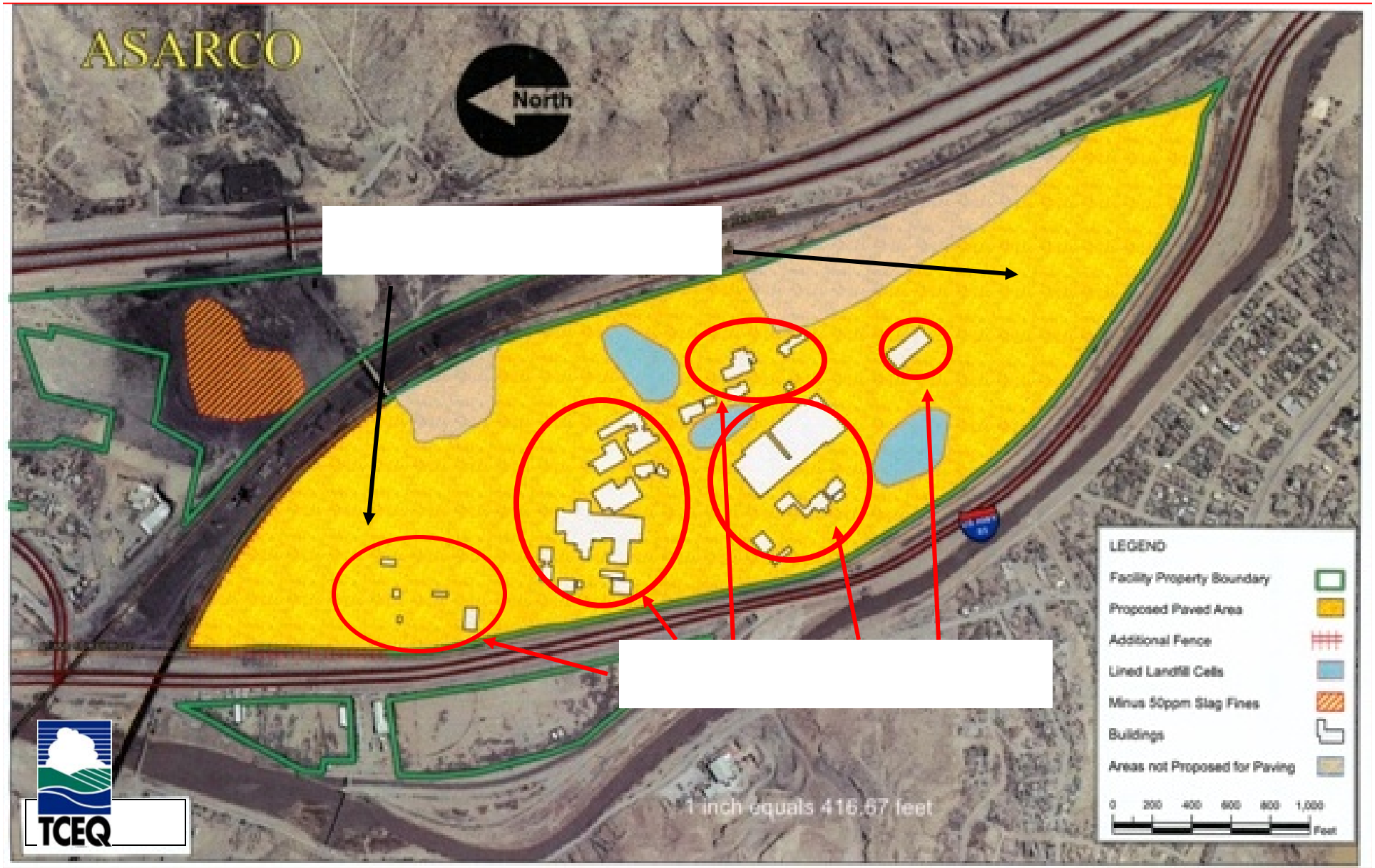
TCEQ

CATEGORY II MATERIAL

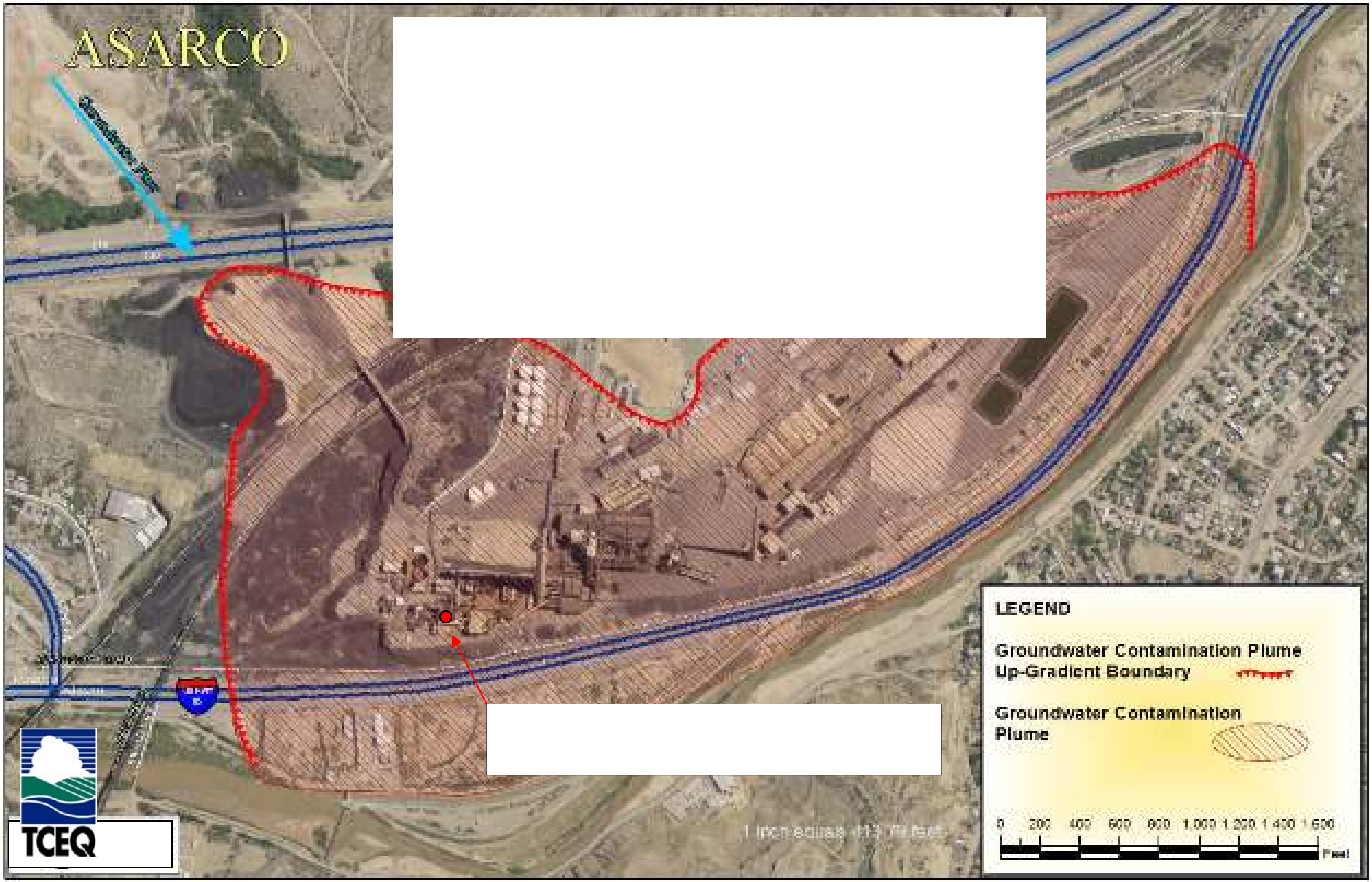
Defined as material that could impact the groundwater.



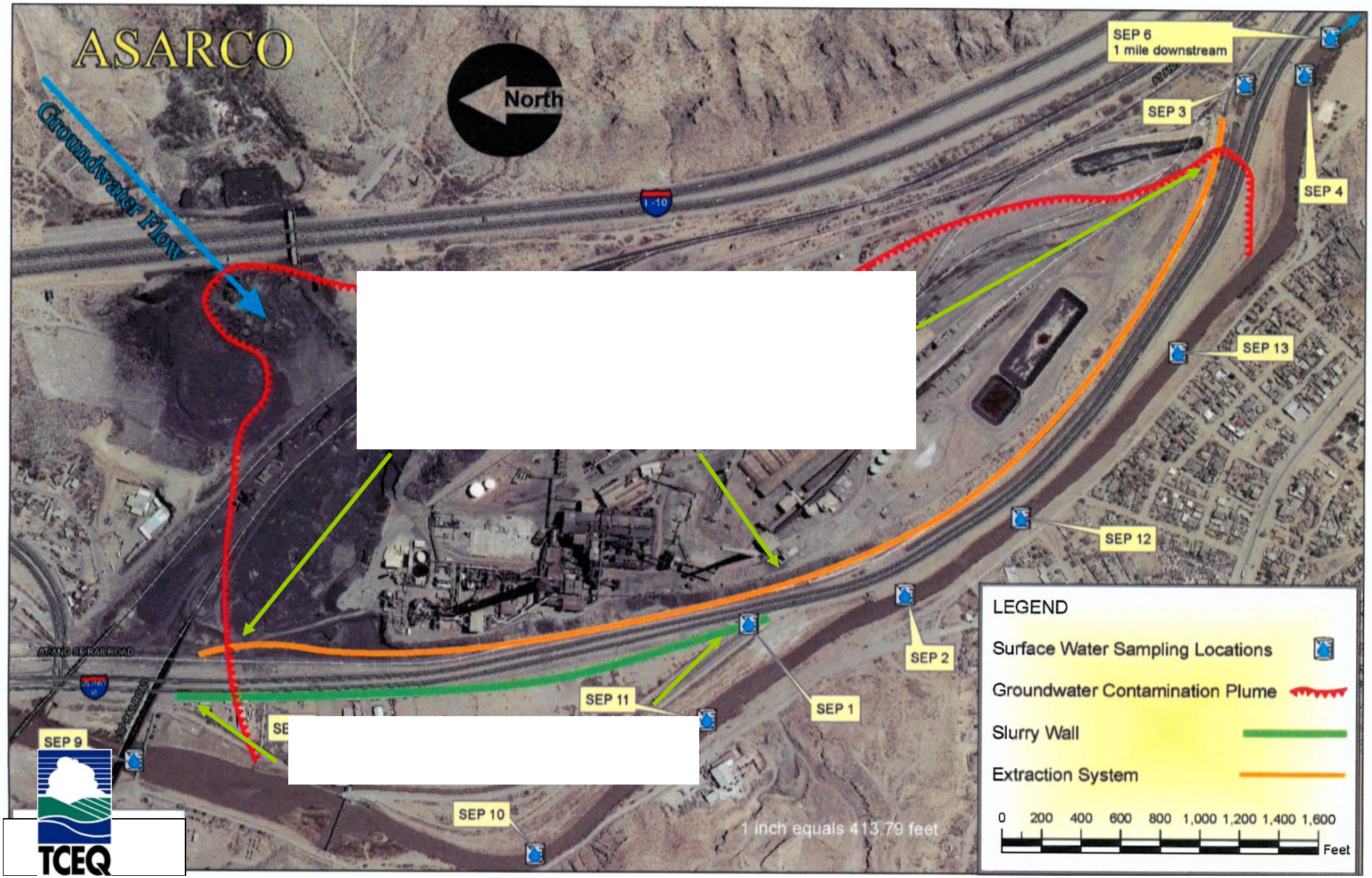
DEMOLITION & PAVING



GROUNDWATER PLUME



GROUNDWATER CONTAINMENT



ASARCO Property

- **Prior Approval -** the agreement with any custodial trustee will require the approval of TCEQ and DOJ before any sale, lease, or other disposition of the property.
- **Additional Funds -** the settlement agreement allows for funds from the proceeds of any sale of the property to be used for the remediation of the site as well as for administrative costs of the custodial trust.

TCEQ

Custodial Trustee

- ASARCO will appoint a trustee chosen by TCEQ and DOJ.
- In conjunction with DOJ, TCEQ is currently in the process of selecting a trustee. Please see the TCEQ ASARCO website for more information.
- The custodial trustee will implement & oversee the remediation at the site as well as manage the property in the custodial trust.

ASARCO WEB SITE

Cleanup Plans for the ASARCO Site, El Paso - Texas Commission on Environmental Quality - www.tc - Windows Internet Explorer

http://www.tceq.state.tx.us/remediation/sites/asarco.html

Cleanup Plans for the ASARCO Site, El Paso - Texas C...

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BACK TO: Remediation: Cleaning Up Contaminated Sites

Cleanup Plans for the ASARCO Site, El Paso

Location	ASARCO Smelter Site, El Paso, El Paso County, TX
Chemicals of Concern	Lead, Arsenic, Cadmium, Chromium, Copper, Iron, Selenium, Zinc.
Media of Concern	Soil, Groundwater
Project Contact:	James Sher, P.E. E-mail
Community Relations Liaison:	John Flores (English/Spanish) E-mail
Last Update Date	April 20, 2009

TCEQ

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