

ATTACHMENT 1C.6

**Parker Brothers Arroyo Features:
Lower Parker Brothers Arroyo Cat II Removal, Cell 4 Construction,
Lower Parker Brothers Arroyo Channel Construction, Upper Parker
Brothers Arroyo Construction, Texas Custodial Trust Pile 1 Slag
Removal, Permeable Reactive Barrier Installation**

Parker Brothers Arroyo Assessment Area



Parker Brothers Arroyo Features:

Lower Parker Brothers Arroyo Cat II Removal, Cell 4 Construction, Lower Parker Brothers Arroyo Channel Construction, Upper Parker Brothers Arroyo Construction, Texas Custodial Trust Pile 1 Slag Removal, Permeable Reactive Barrier Installation

Parker Brothers Arroyo Assessment Area

Introduction:

As described on page 3 in Worksheet 1.0 of the Response Action Plan (RAP), the Parker Brothers Arroyo (PBA) is divided by the Union Pacific Railroad track into upper (UPBA) and lower (LPBA) reaches. The LPBA includes the Cell 4 Landfill footprint, an area between UPRR tracks and just east of West Paisano Drive known as TCT Pile 1, as well as the construction of channel improvements within the channel itself. Prior to channel improvements, TCT installed two below-ground Permeable Reactive Barriers (PRBs) within the LPBA channel.

The UPBA includes two storm water flow channels which merge on the west side of the UPRR tracks. The southernmost channel, which flows through an area referred to as the "Triangle Area", was improved by placement of a geomembrane liner and riprap. The northernmost channel flows adjacent to the Fines Pile and into the Ephemeral Pond and was also improved with a liner and riprap.

Response actions for soil of the PBA AA principally involve placement of ET soil covers (Fines Pile, TCT Pile 1) and impermeable liners with riprap (LPBA and UPBA channels).

Activities at the East Property AA were described in the following sections of the RAP:

- RAP Worksheet 1.0 (Remedial Objectives, pages 1, 3, 5, 12, and 33)
- RAP Worksheet 2.0 (pages 1, 4, 10)

Chronology

- Mid 2012 – Complete removal of Cat I and II material from LPBA channel and Cell 4 footprint
- Late 2012 – Complete PRB construction
- Mid 2013 – Completion of Cell 4 Liner construction
- Early 2015 – Completion of LPBA Channel construction
- Early 2016 – Complete Triangle area construction, Fines Pile regrading
- Mid 2016 – Complete Cat II excavation and cover at TCT Pile 1
- Late 2016 – Complete most of Fines Pile cover and lining Ephemeral Pond and most of the UPBA Fines Pile channel, Begin LPBA Outlet construction

These activities will be documented in the 2017 Soil RACR.

The following sub-attachments are provided in this attachment:

- 1C.6.1 LPBA Category II Material Removal
- 1C.6.2 Cell 4
- 1C.6.3 LPBA Channel Construction
- 1C.6.4 UPBA - Fines Pile, Ephemeral Pond, Triangle, Channel Construction
- 1C.6.5 TCT Pile 1 Excavation
- 1C.6.6 PRB Reports

Figure 1 included in this attachment shows these features.

CITY: Highlands Ranch DIV/GROUP: GIS DB: BG
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- LEGEND**
- Property Boundary
 - Permeable Reactive Barrier (PRB)
 - Lined Channel with Culverts

FORMER EL PASO SMELTER SITE
 EL PASO, TEXAS

**PARKER BROTHERS
 ARROYO FEATURES**

 | **FIGURE 1**