



May 24, 2022

Maureen Hatfield

MC-127

VCP-CA Section, Team 1, Remediation Division

Texas Commission on Environmental Quality

P.O. Box 13087

Austin, Texas 78711-3087

**RE: NOTIFICATION OF TREE PLANTING ACTIVITIES
UNION PACIFIC RAILROAD COMPANY - HOUSTON WOOD PRESERVING WORKS
HOUSTON, HARRIS COUNTY, TEXAS
HAZARDOUS WASTE PERMIT/ COMPLIANCE PLAN NO. 50343; ISWR NO. 31547**

Dear Ms. Hatfield:

Golder Associates USA Inc (Golder), a member of WSP, on behalf of Union Pacific Railroad (UPRR), is providing notification of planned tree planting activities at the UPRR Houston Wood Preserving Works site (the Site). UPRR plans to plant 95 hybrid poplar trees along the north portion of the Site outside of the Soil Cap area. The approximate location of the trees is shown on Figure 1. The tree planting is part of overall property management and to improve the aesthetics of the property. Hybrid poplar trees may also provide remedial benefits for the shallow groundwater. The trees will be planted within boreholes spaced approximately 12 feet apart and extend down to the top of the A-Transmissive Zone (A-TZ) (approximately 15 feet below ground surface (bgs)) to promote root growth downwards and establishment of the trees. The boreholes will be drilled by an environmental driller using solid-stem augers. The holes will be backfilled with clean fill up to 8 feet bgs, 12-foot-long poplar trees will be placed in the boreholes, and the remaining annulus of the borehole will be filled with a clean fill, peat moss mixture. Poplar trees will be inoculated with endophytic bacteria prior to planting to reduce the possibility of elevated stress on the trees from impacted soil and groundwater. A drip irrigation system will be installed with a temporary 1,000-gallon container of potable water and operated until the poplar trees become established (expected to take 2 to 3 years).

Soil cuttings generated from the boreholes will be placed in roll-off boxes for temporary storage on-Site. UPRR's licensed waste contractor will manage the waste and coordinate final pick-up and delivery to an authorized waste disposal facility. Soil generated within the Site will be classified as listed hazardous waste (F034/K001).

A dust control and air monitoring plan will be implemented during the drilling and planting activities. The same plan used for the North By-Pass Project provided in a letter to the TCEQ titled *Notification of Planned Construction Activities dated April 23, 2021* will be followed for these activities.

If you have any questions or need additional information, please feel free to give Golder or Kevin Peterburs of UPRR at 414-267-4164 a call.

Sincerely,

Golder Associates Inc.



Michelle Hermiston
Senior Project Hydrogeologist

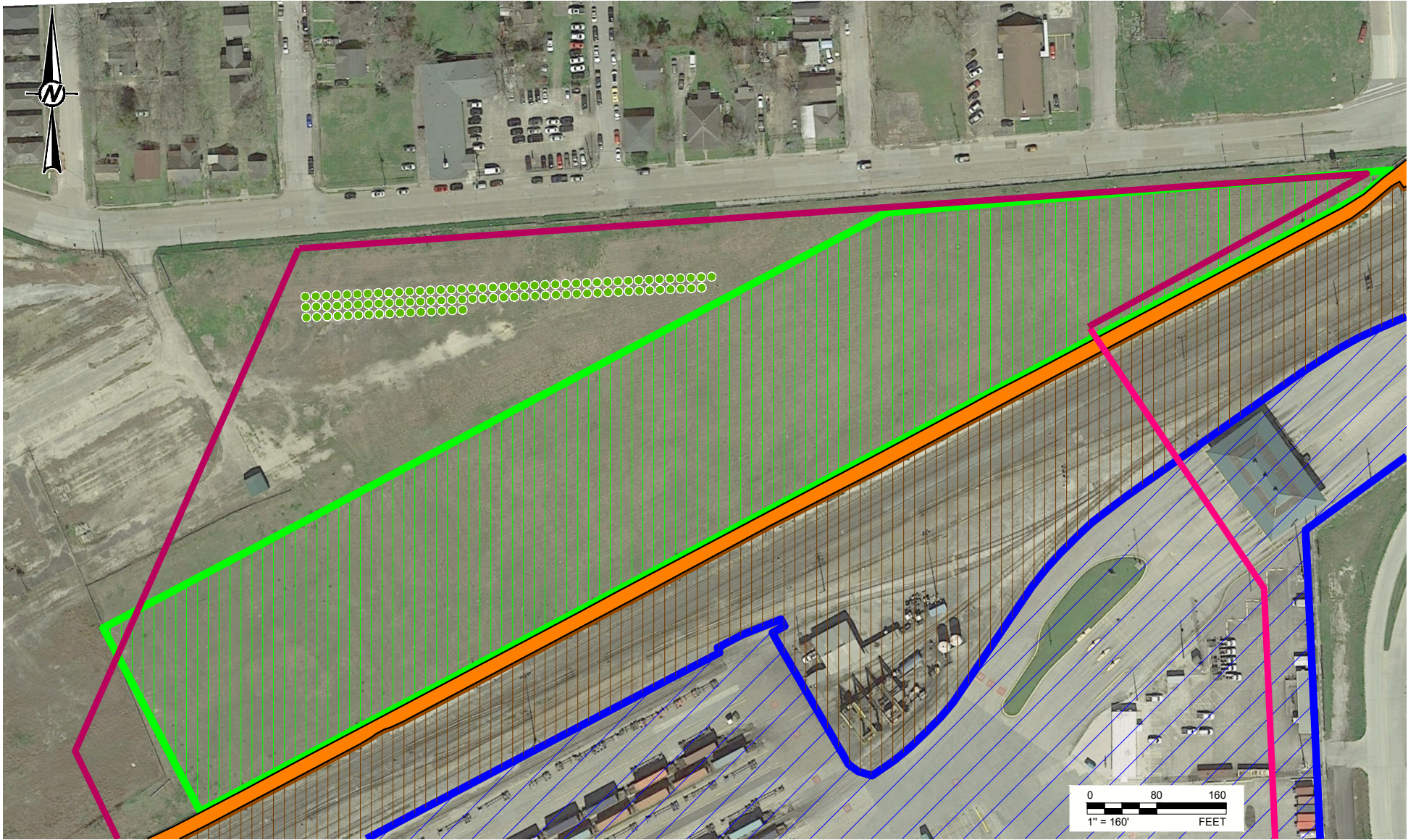


for

Eric Matzner
Director, Hydrogeologist

CC: Kevin Peterburs, UPRR

Attachments: Figure 1 – Tree Location Map



LEGEND	
	POPLAR TREE
	PROPOSED SLURRY WALL (TO 75 FT BGS)
	PROPOSED SLURRY WALL (TO 50 FT BGS)
	RAILROAD BALLAST CAP AREA
	ASPHALT CAP AREA
	SOIL CAP
	CONCRETE CAP AREA

CLIENT
UNION PACIFIC RAILROAD CO.

CONSULTANT



YYYY-MM-DD	2022-05-24
DESIGNED	
PREPARED	RS
REVIEWED	MH
APPROVED	MH

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
TREE LOCATION MAP

PROJECT NO.
19119232

REV.
A

FIGURE
1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI A