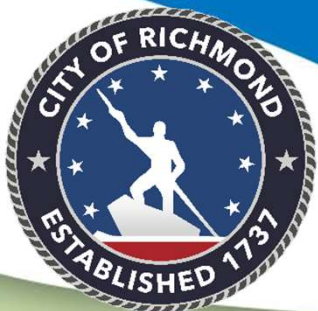


CITY OF RICHMOND, VIRGINIA
DEPARTMENT OF PUBLIC WORKS

Urban Design Committee (UDC) Presentation for the Fire Training Facility Project

Greeley and Hansen
February 9, 2023





Background/Purpose

SITE LOCATION



Public Outreach

- Newsletter Flyer
 - Handed out by Richmond Fire Department
 - Richmond Fire Department letter to the UDC
- Outreach to the Following Neighborhood Civic Associations
 - Cherry Gardens
 - Cullenwood
 - Deerbourne

FIRE TRAINING FACILITY 3000 East Belt Boulevard

PROJECT SUMMARY:

The City of Richmond is constructing a new Fire Training Facility located at Richmond located at 3000 East Belt Boulevard on the grounds of the Hickory Hill Community Center. The Facility will provide essential training to new recruits and current firefighters to deliver Richmond with exceptional emergency services.

The project work consists of constructing a building for fire training purposes, a concrete pad, ornamental fencing, and landscaping. The footprint of the Facility, shown in the rendering below, is located north of the existing Hickory Hill Community Center on the same City of Richmond property.

Site Location

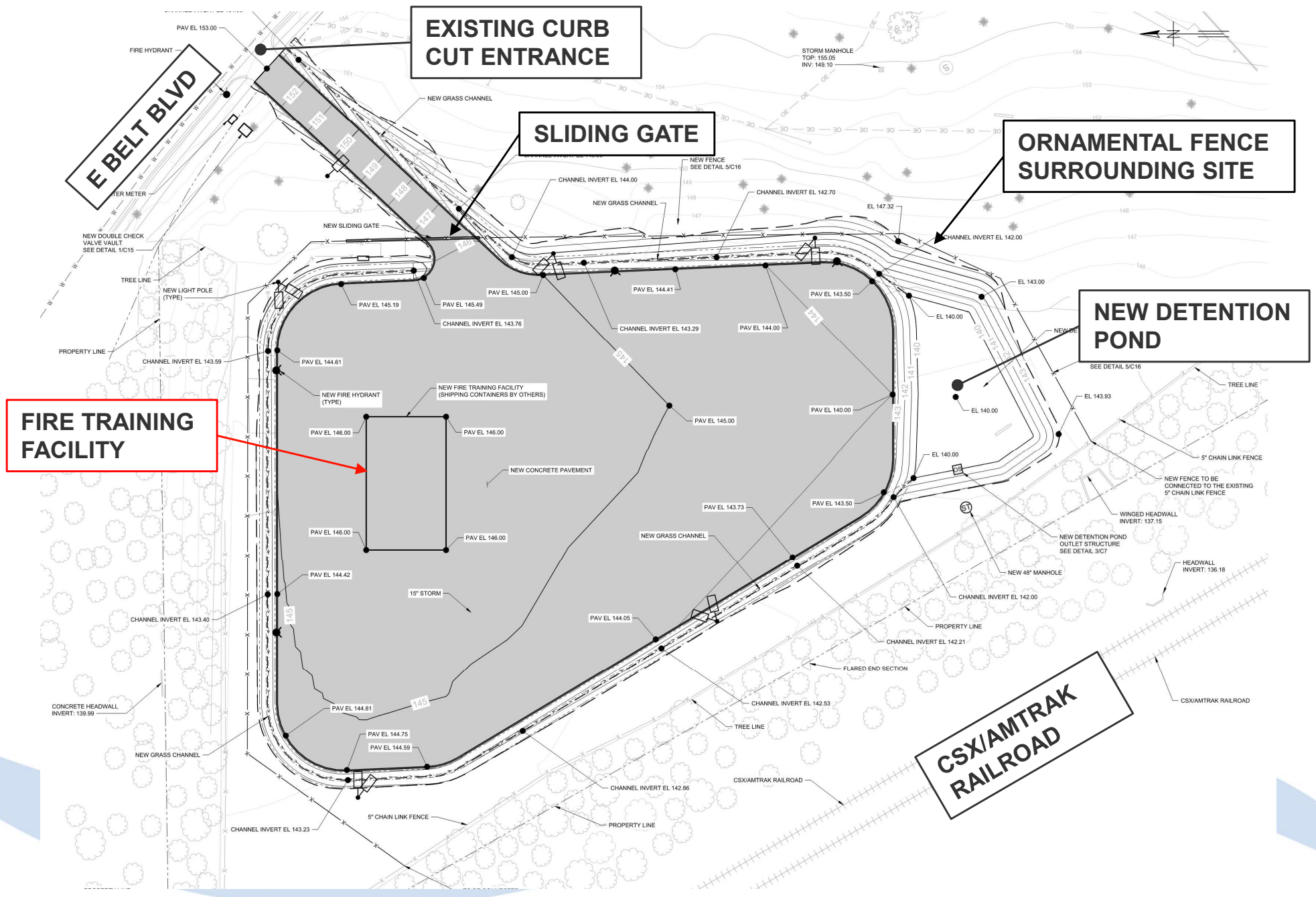


Site Rendering

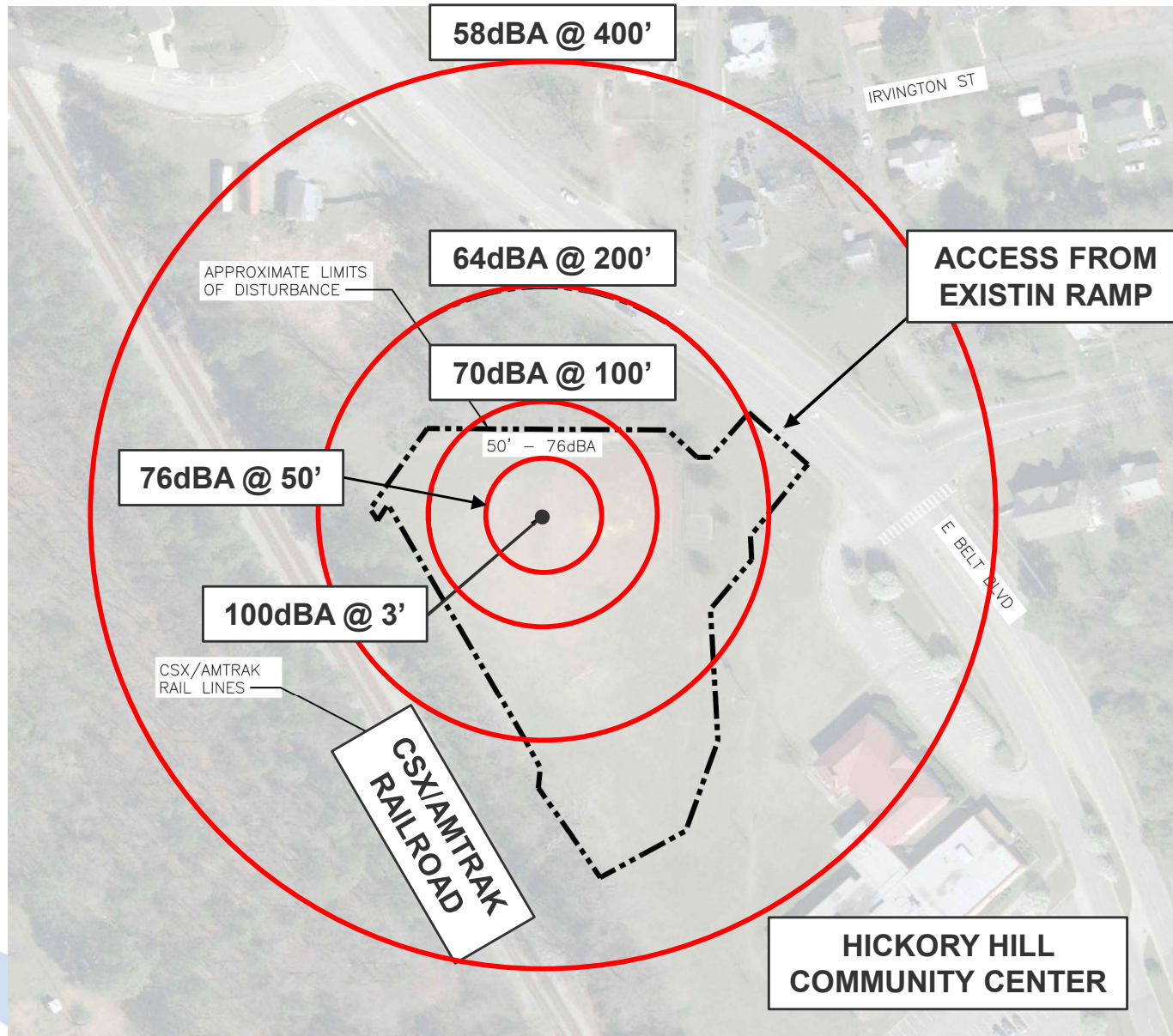




Preliminary Site Plan



Sound Distance Attenuation

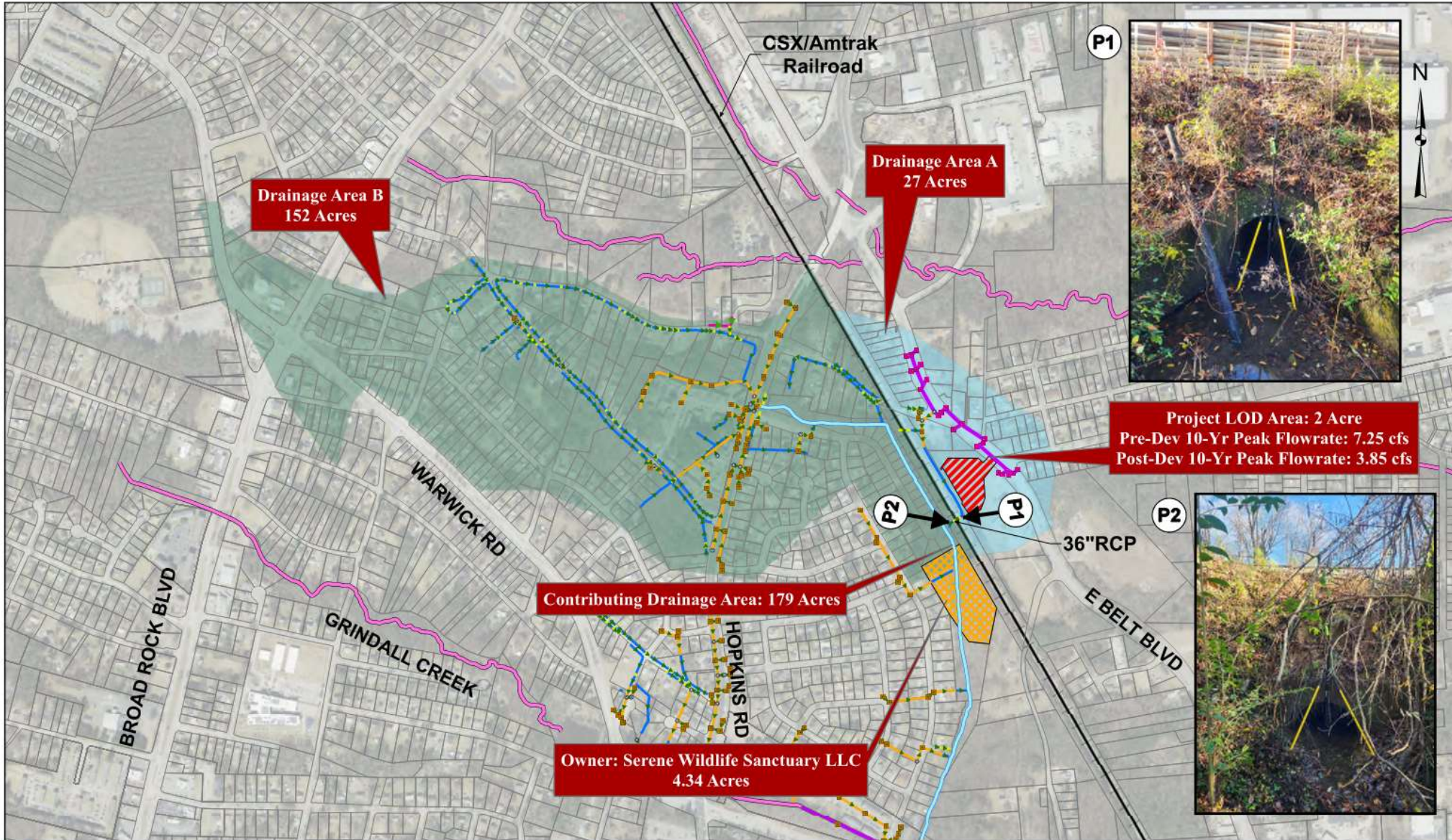


- 30dBA - WHISPER/LEAVES RUSTLING
- 30-50dBA - AVERAGE ROOM NOISE
- 60dBA - BACKGROUND MUSIC
- 70dBA - AVERAGE OFFICE NOISE
- 75dBA - LANDSCAPING EQUIPMENT (INSIDE HOUSE)
- 80dBA - INSIDE AN AIRPLANE
- 85dBA - NOISY RESTAURANT
- 90dBA - HAIRDRYER
- 95dBA - PRO-SPORTS GAME/CAR HORN @16 FEET
- 100dBA - MOTORCYCLE/LEAF BLOWER
- 105-110dBA - NIGHTCLUBS/BARS/GAS-POWERED LEAF BLOWER

SOUND LEVELS DO NOT TAKE INTO ACCOUNT NATURAL SOUND DAMPENING FEATURES SUCH AS TREES AND HILLS

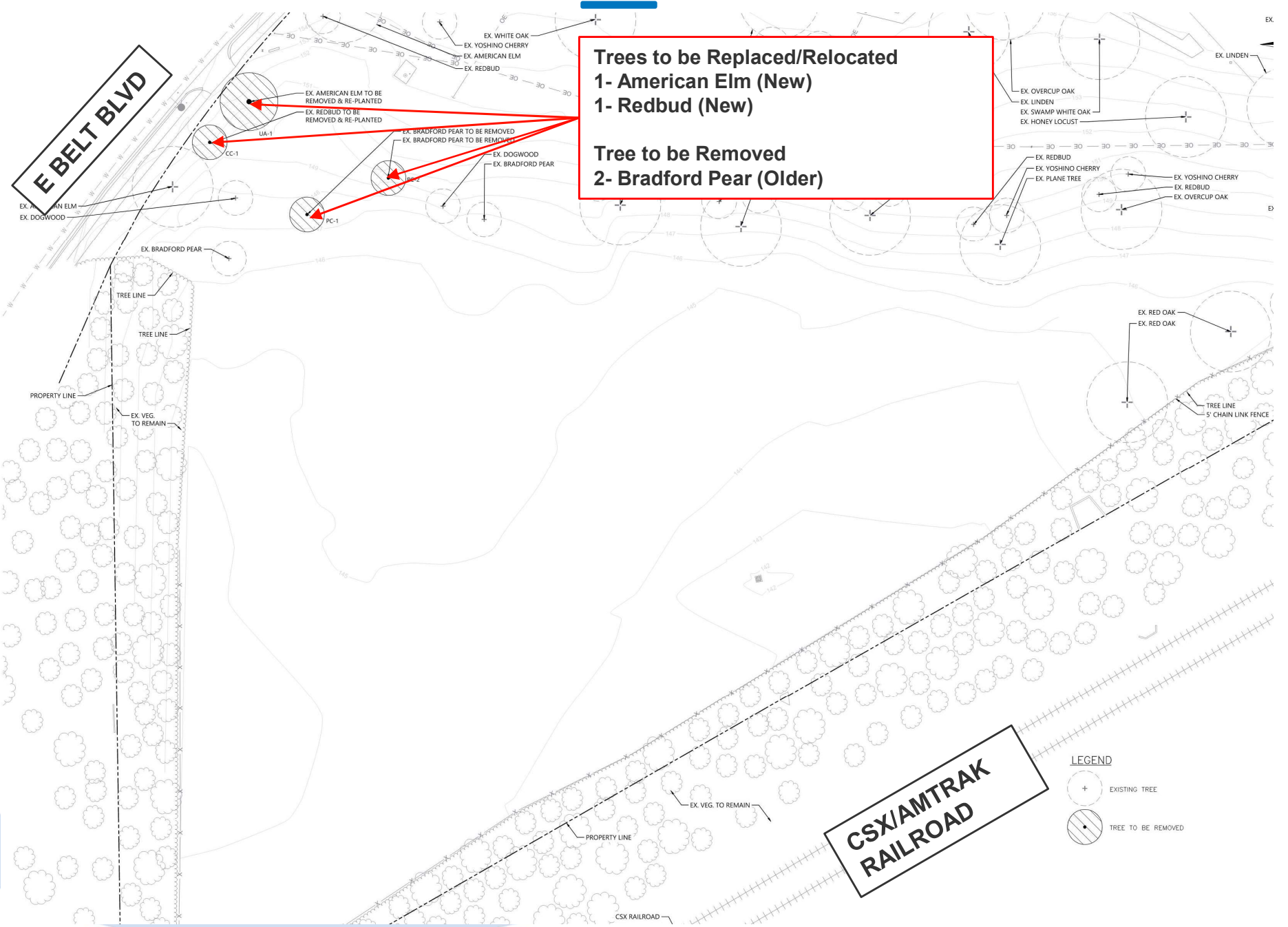


Storm Drainage Plan







Tree Removal Plan



Trees to be Replaced/Relocated
1- American Elm (New)
1- Redbud (New)

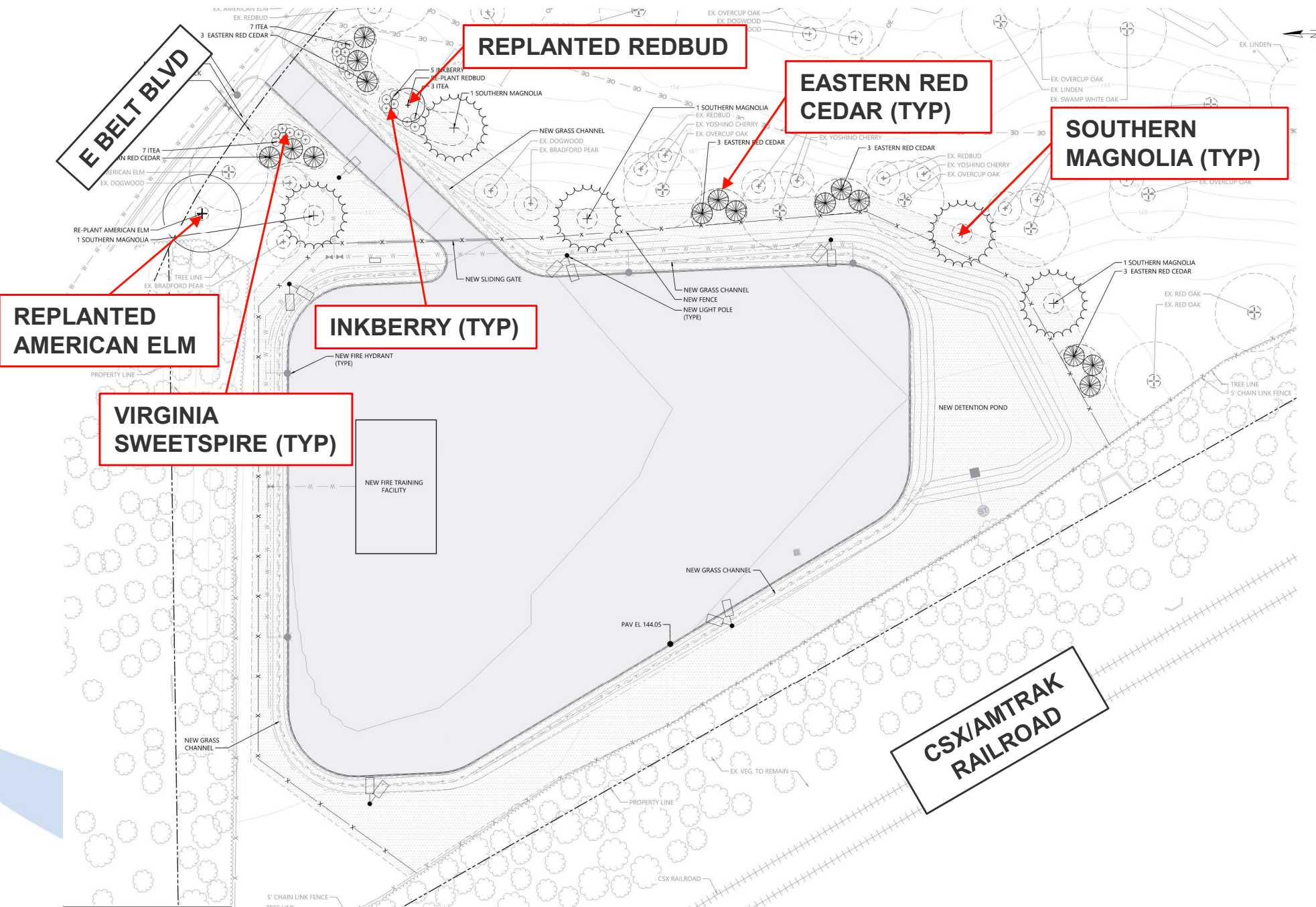
Tree to be Removed
2- Bradford Pear (Older)

LEGEND

-  EXISTING TREE
-  TREE TO BE REMOVED



Final Landscaping Plan



REPLANTED REDBUD

EASTERN RED CEDAR (TYP)

SOUTHERN MAGNOLIA (TYP)

REPLANTED AMERICAN ELM

INKBERRY (TYP)

VIRGINIA SWEETSPIRE (TYP)

CSX/AMTRAK RAILROAD

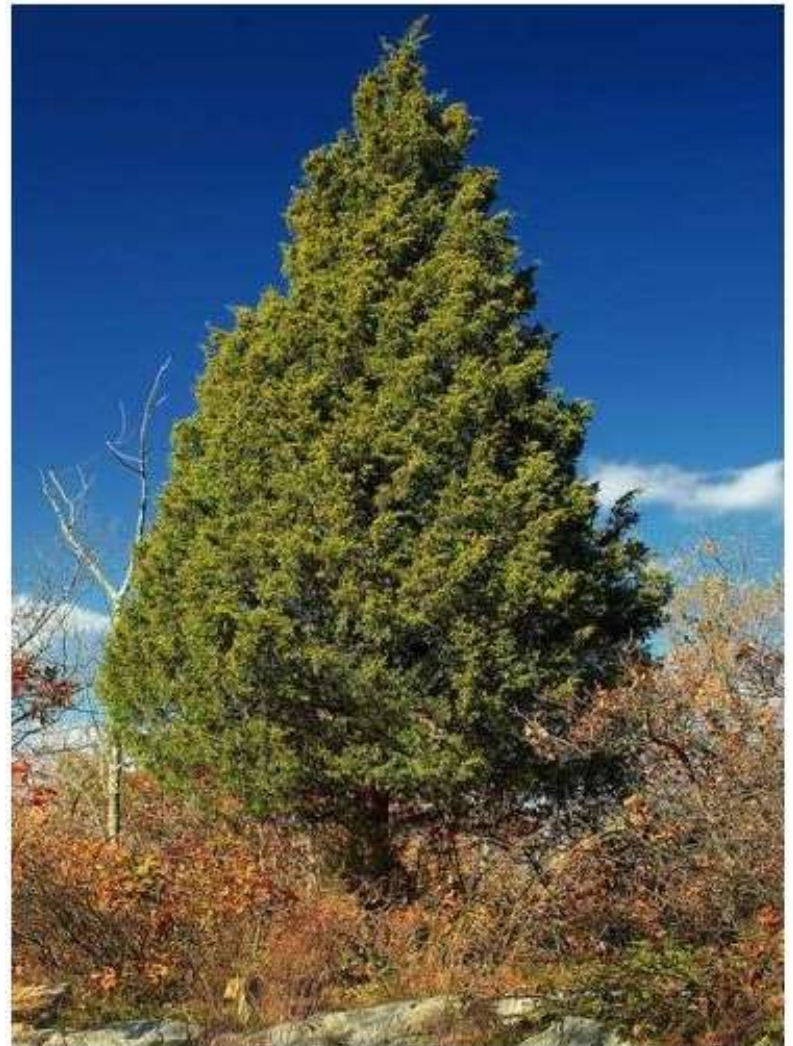
E BELT BLVD



Proposed Trees



Southern Magnolia



Eastern Red Cedar

Proposed Plants



Virginia Sweetspire



Inkberry



Site Plan Rendering



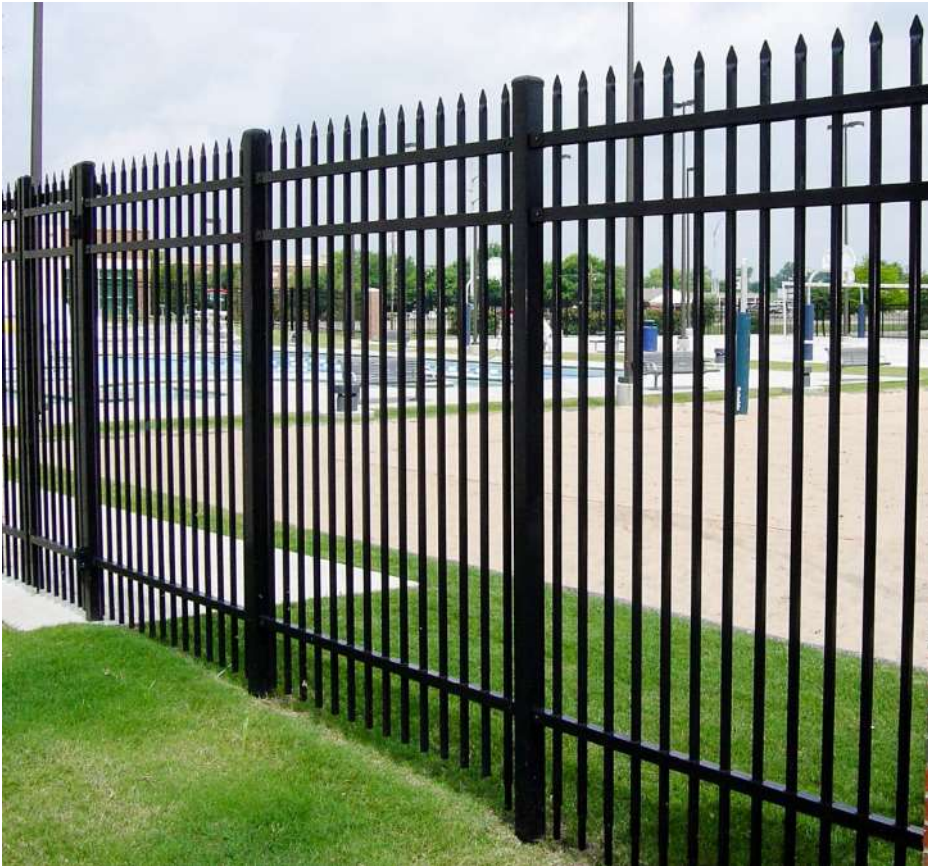


Building Rendering





Fence Material



- Ameristar Aegis II Fence System
- Used on previous City of Richmond Jobs
 - Byrd Park Tank Rehabilitation
- Wide range use in industrial and security settings
- Fence System is compatible with TransPort Traverse II Gate



Gate System



- TransPort Traverse II Gate
- Wide range use in industrial and security settings
- Fence System is compatible with Aegis II Fence System

Site Lighting



Predator Medium LED Floodlight – 4000K



Autobahn P303 Roadway Lighting – 4000K



Warm <<<<<< COLOR TEMPERATURE SCALE >>>>>> Cool