UDF Specifications

SIZE

Final Design size = **13.1 acres**

ELEVATION

Final Design elevation = **1,099 ft above sea level**

(Currently UDF area is between 960 and 1,045 ft above sea level)

VOLUME

Final Design capacity of Sediments / Soils = **1.3 million cubic yards**

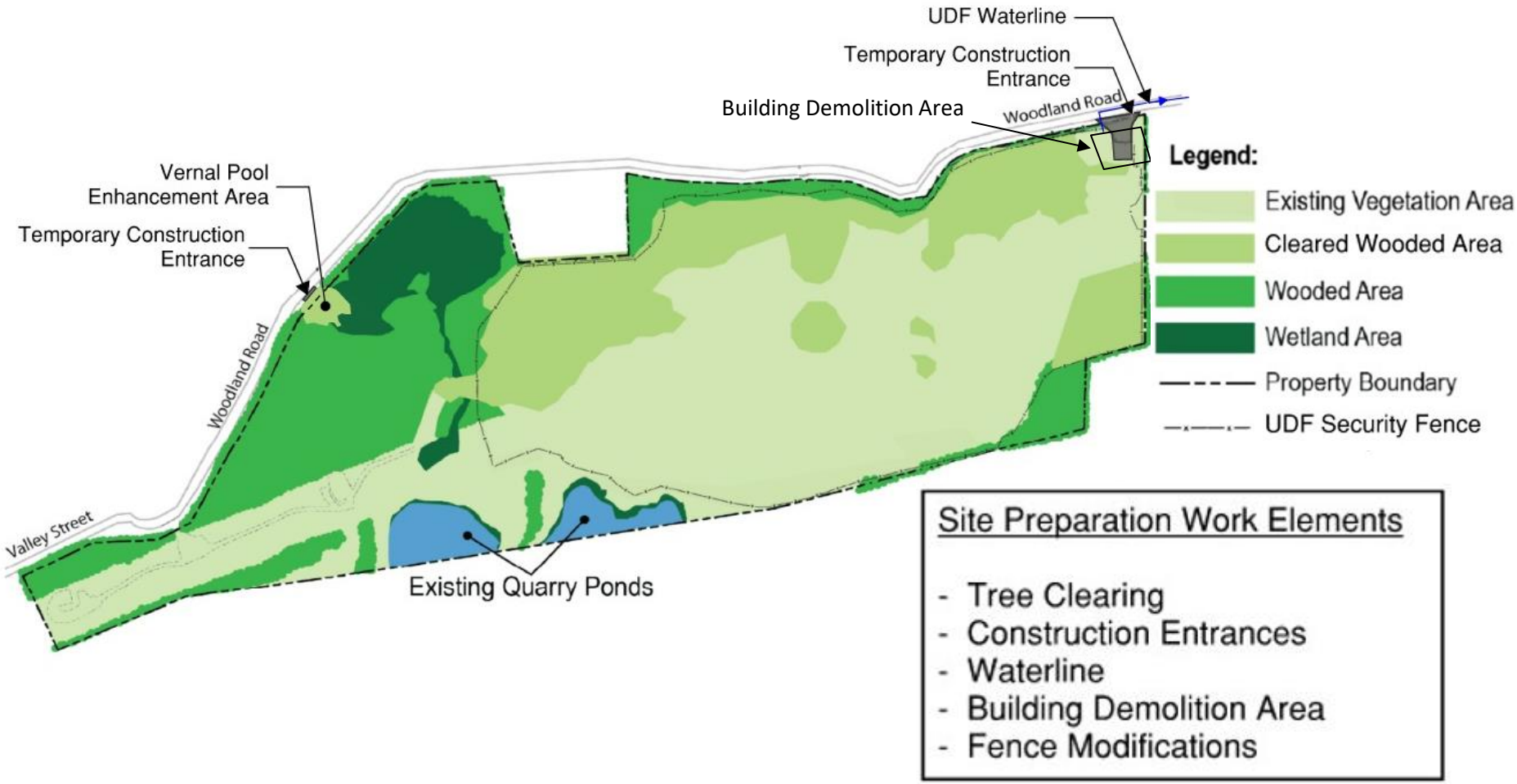
MAX CONCENTRATION OF PCBs

Sediment (90%): a volume-weighted avg for each river reach = **less than 25 ppm**

Soils (10%): a volume-weighted avg for each Exposure Area = **less than 50 ppm**

Overall average concentration of PCBs in the UDF will be less than 25ppm

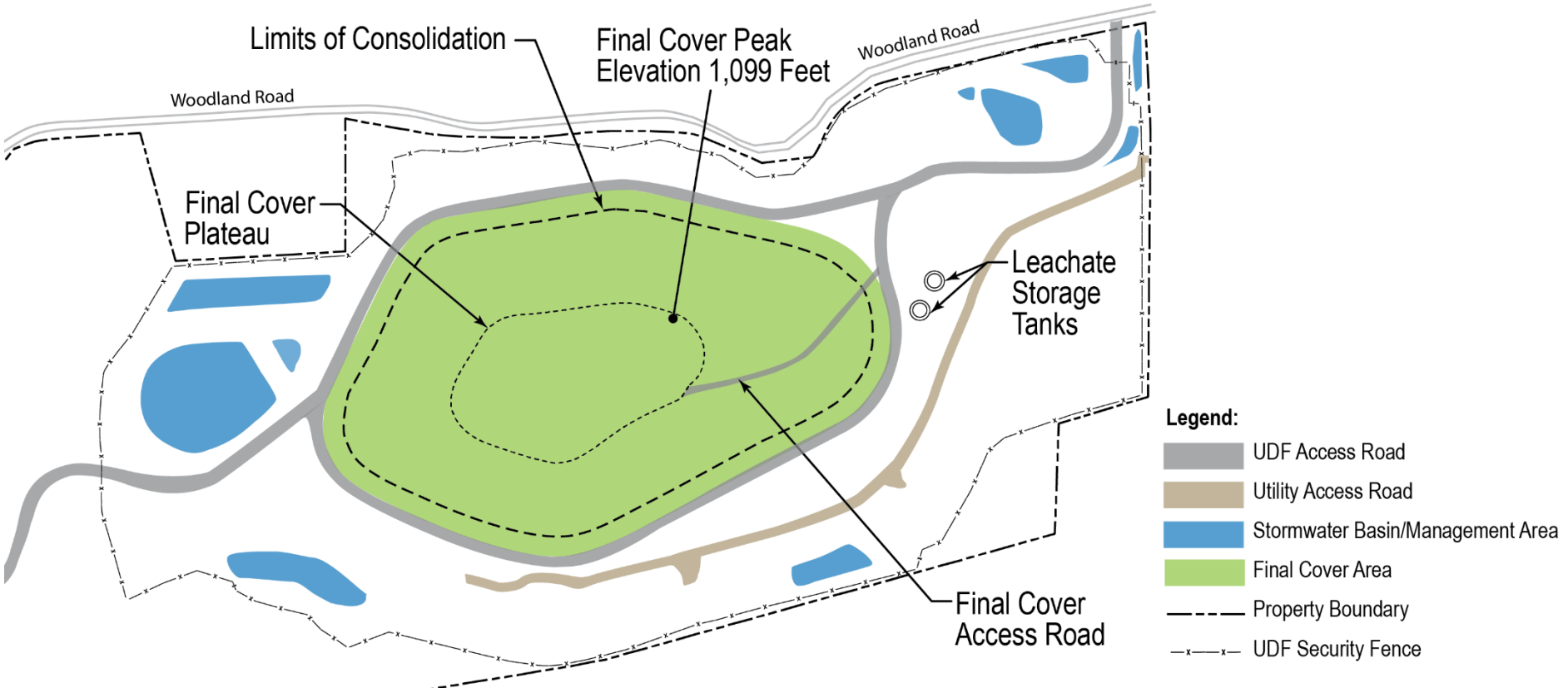
UDF Site Preparation



Site Preparation Work Elements

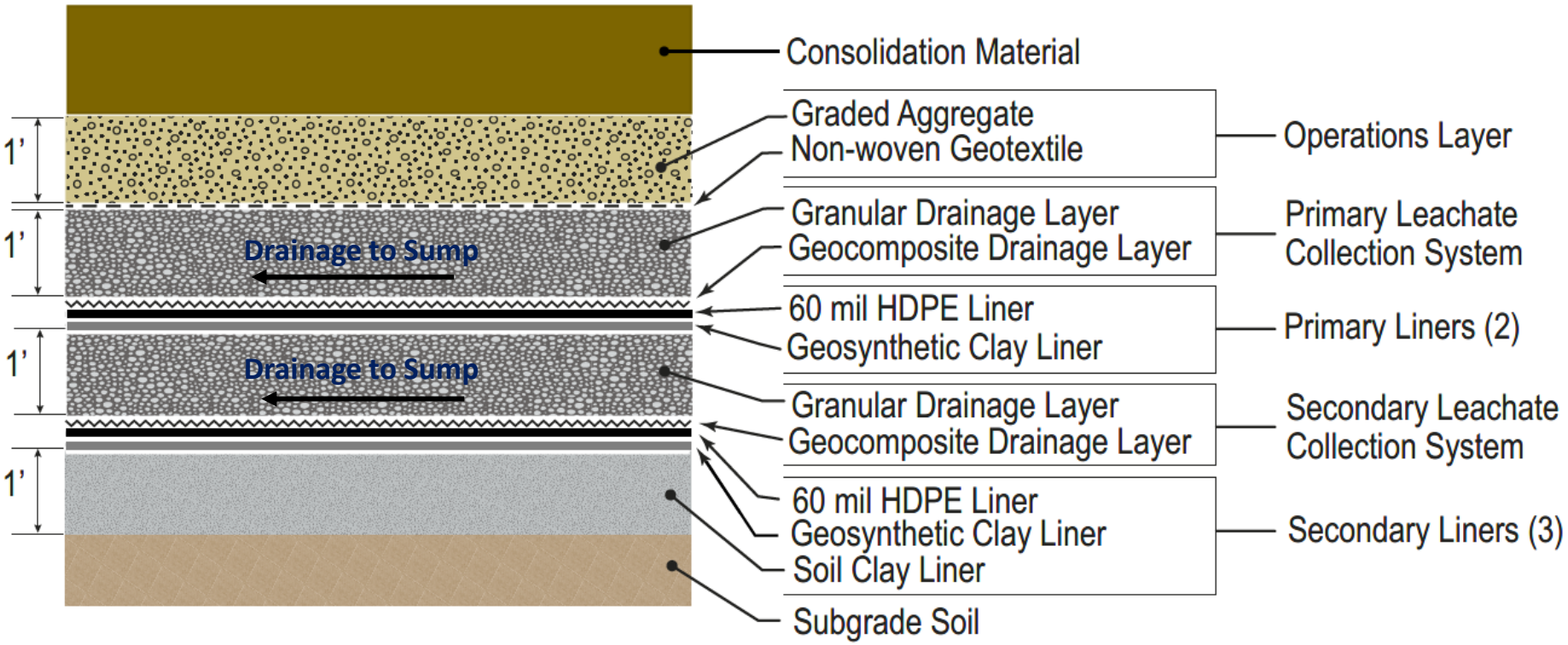
- Tree Clearing
- Construction Entrances
- Waterline
- Building Demolition Area
- Fence Modifications

UDF Site at Completion



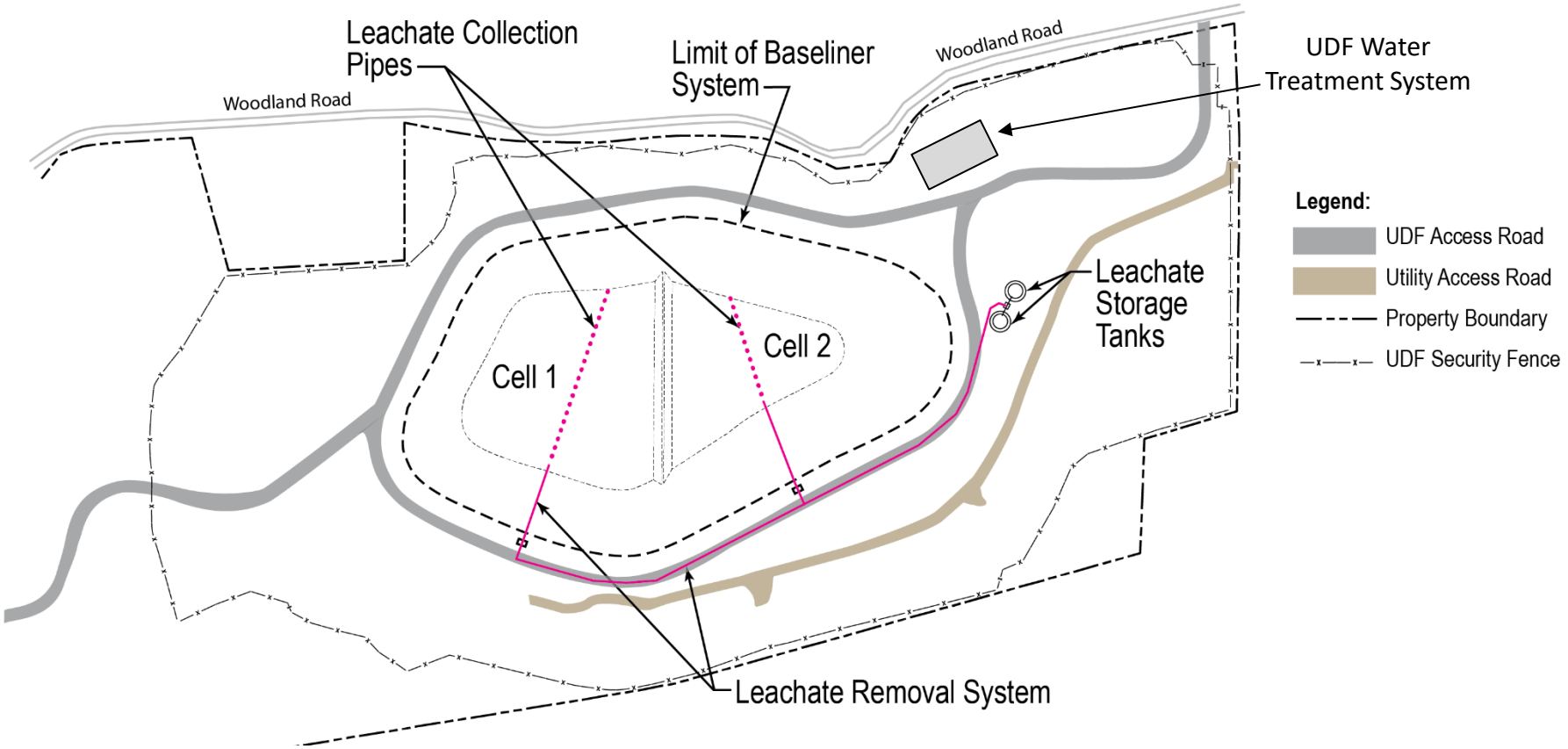
- Consolidation area footprint will be approximately 13 acres *(Performance Standard is 20 acre maximum).*
- UDF capacity will be 1.3 million cubic yards *(meets Performance Standard).*

Baseliner System



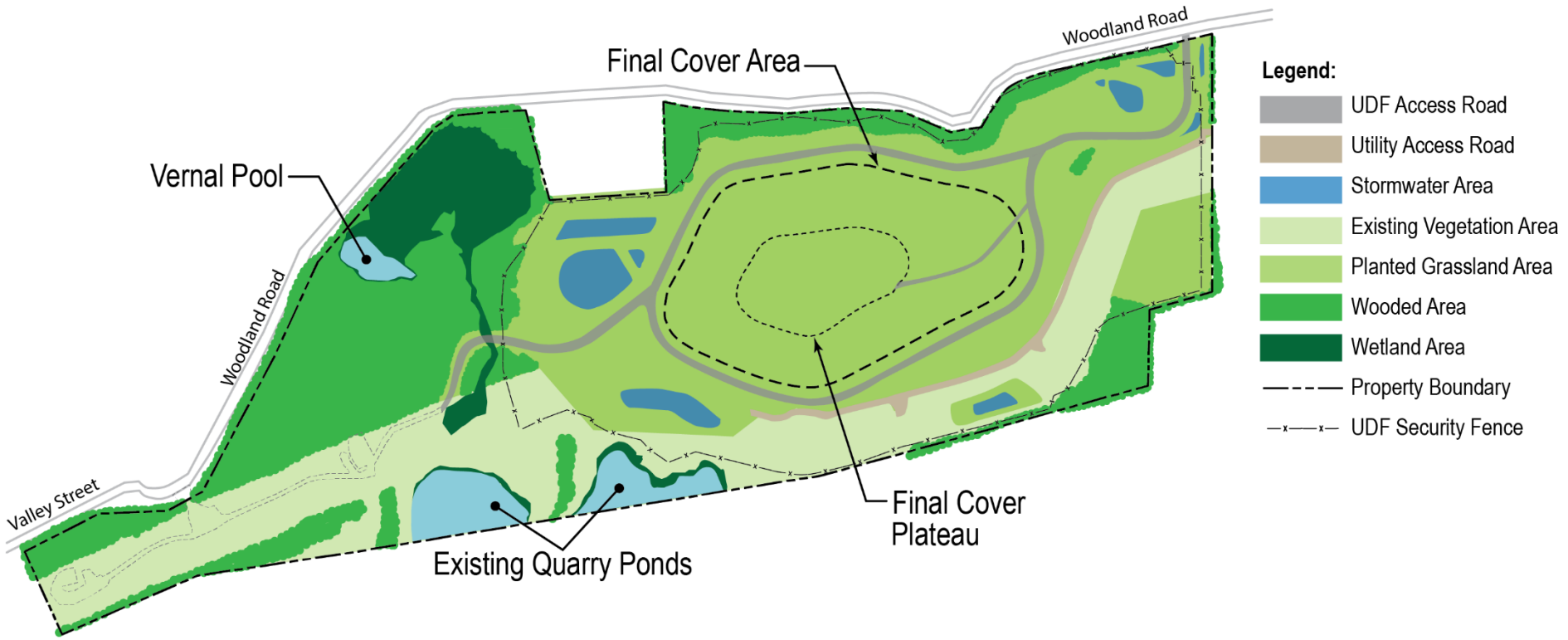
- Baseliner system includes 5 individual liners *(exceeds performance standard that requires two bottom liners).*
- The HDPE geomembrane liner is twice as thick as the Performance Standard requirement (60 mils vs minimum requirement of 30 mils).

Leachate Collection and Removal System



- Floor baseliner includes two leachate collection systems (primary and secondary systems)
- Each collection system has two collection layers (granular layer and geosynthetic layer)

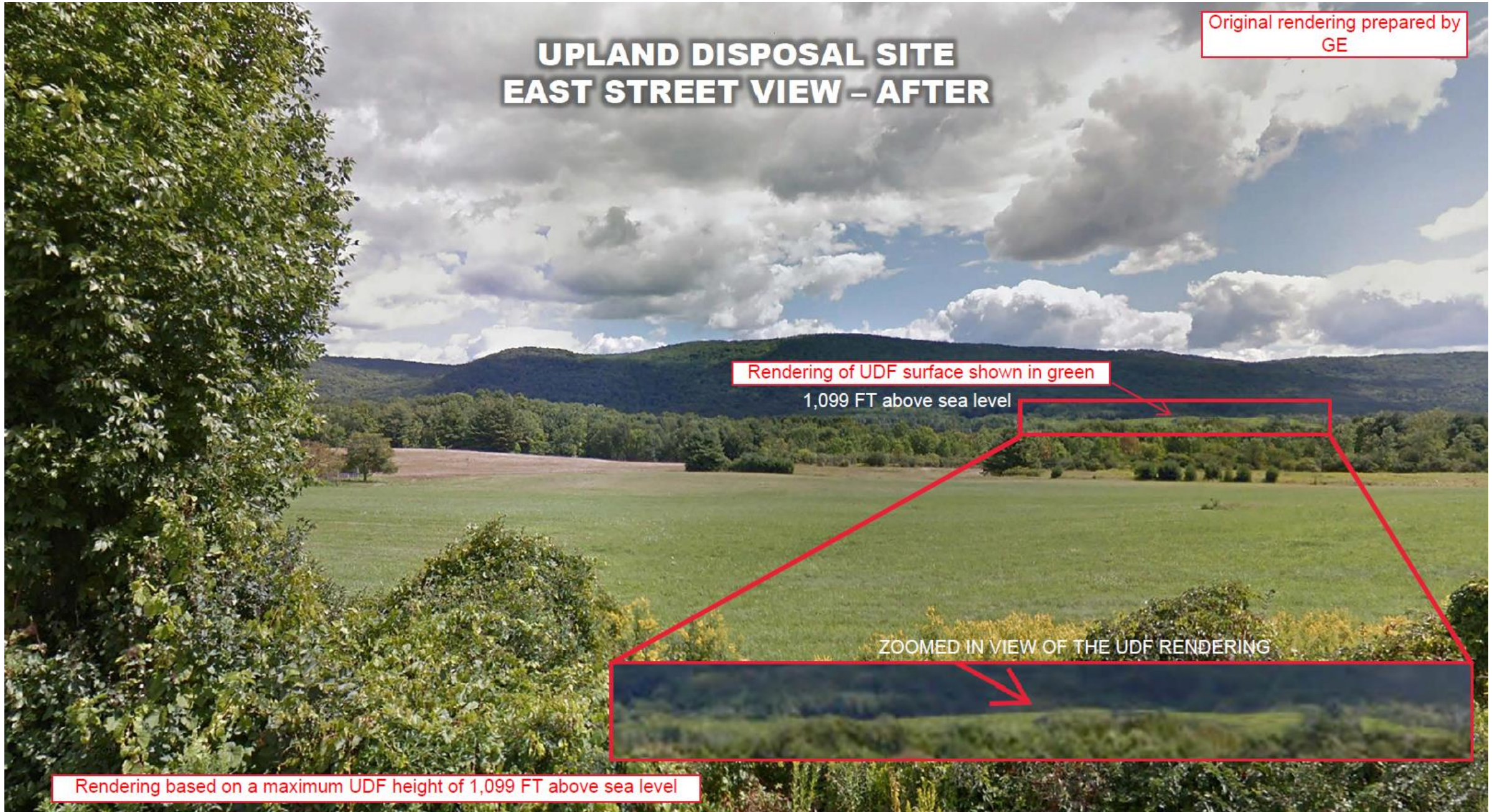
Site Restoration



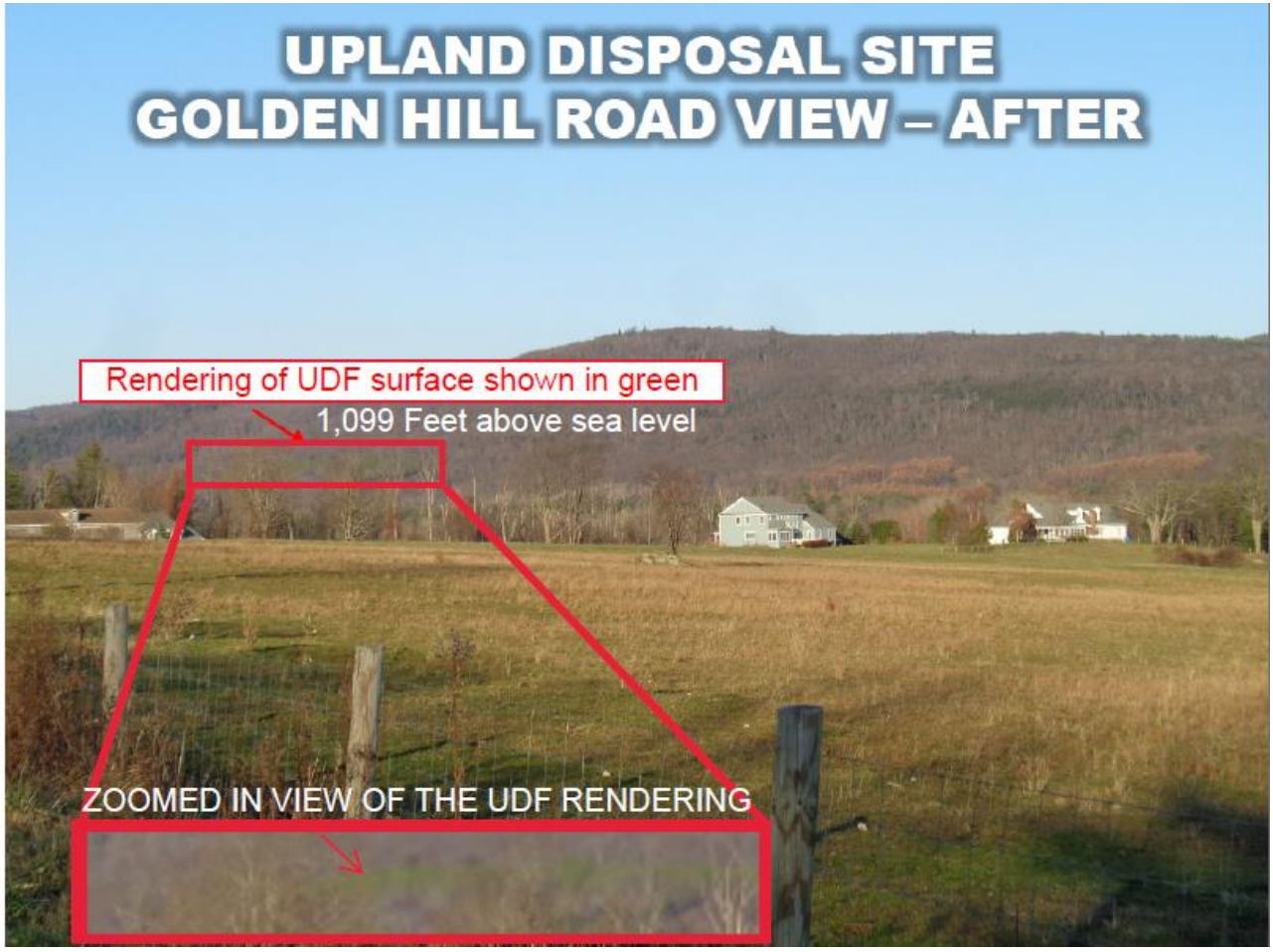
- Establishment of grassland vegetation on topsoiled areas and UDF final cover area.
- Providing plant species to enhance site for pollinator use (based on consultation with Town of Lee officials).
- Expansion and enhancement of vernal pool and wetland resource.

Upland Disposal Facility – Pre-Construction

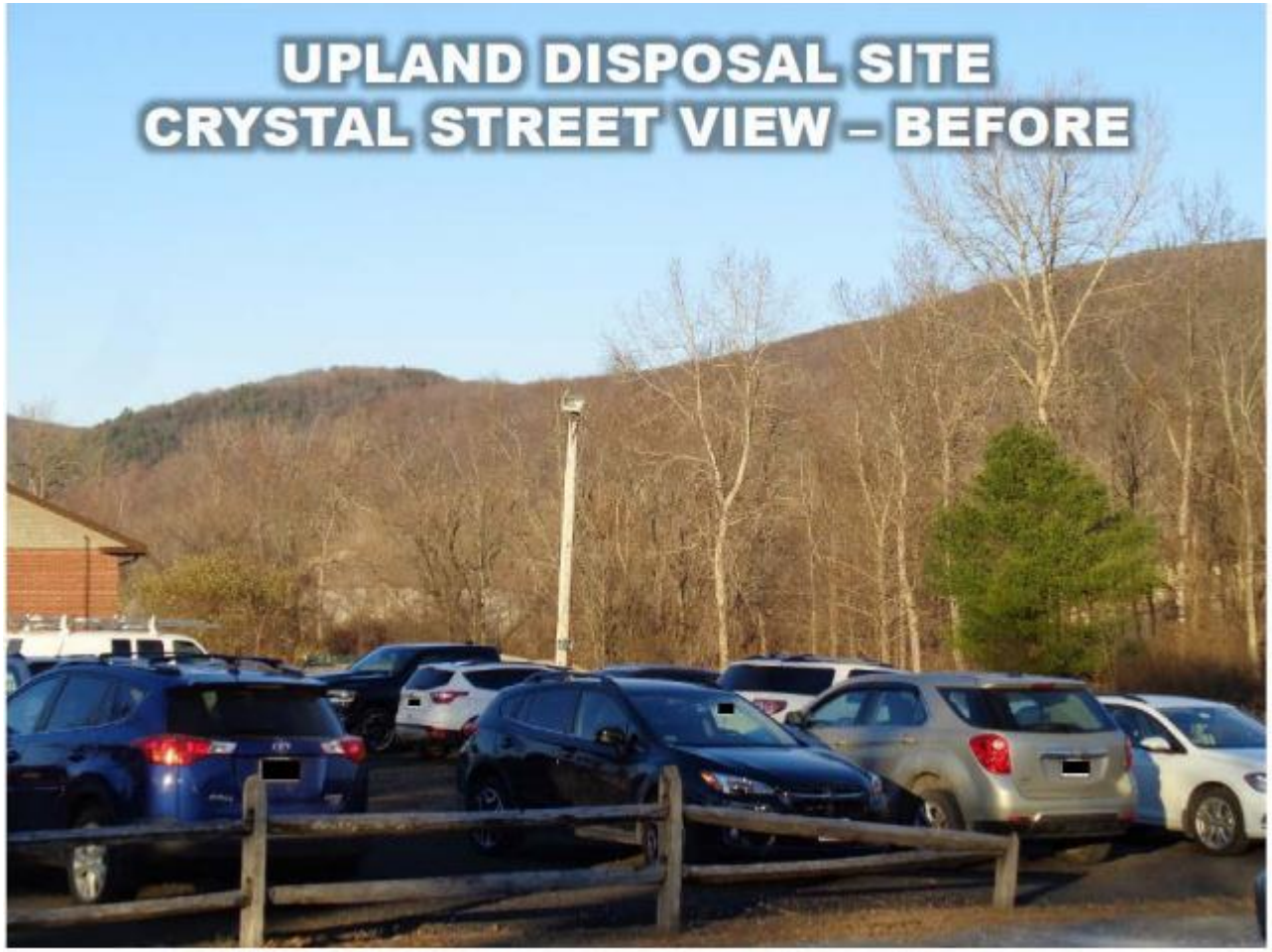
Upland Disposal Facility – Rendering Post Construction



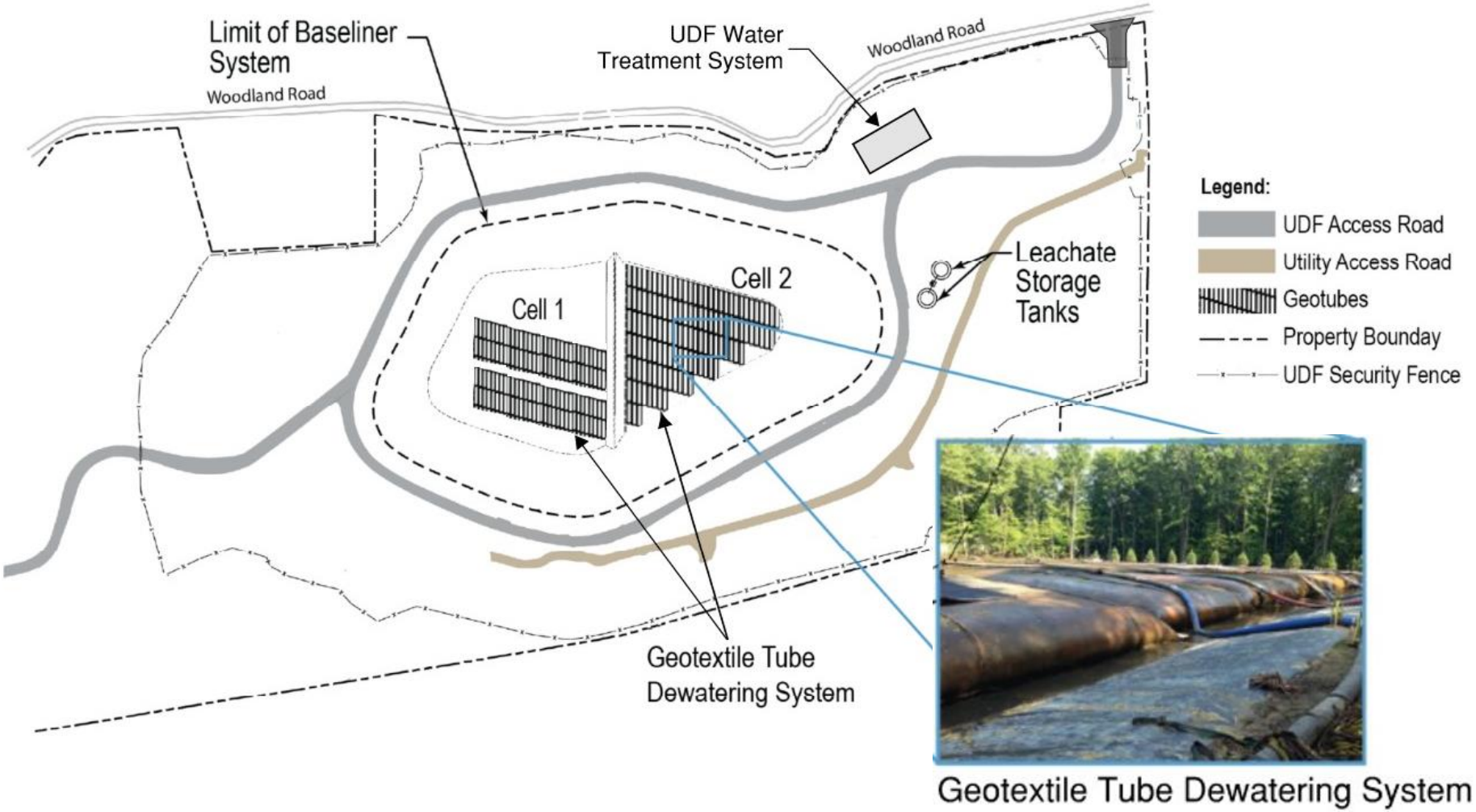
Upland Disposal Facility – Rendering Post Construction



Upland Disposal Facility – Rendering Post Construction

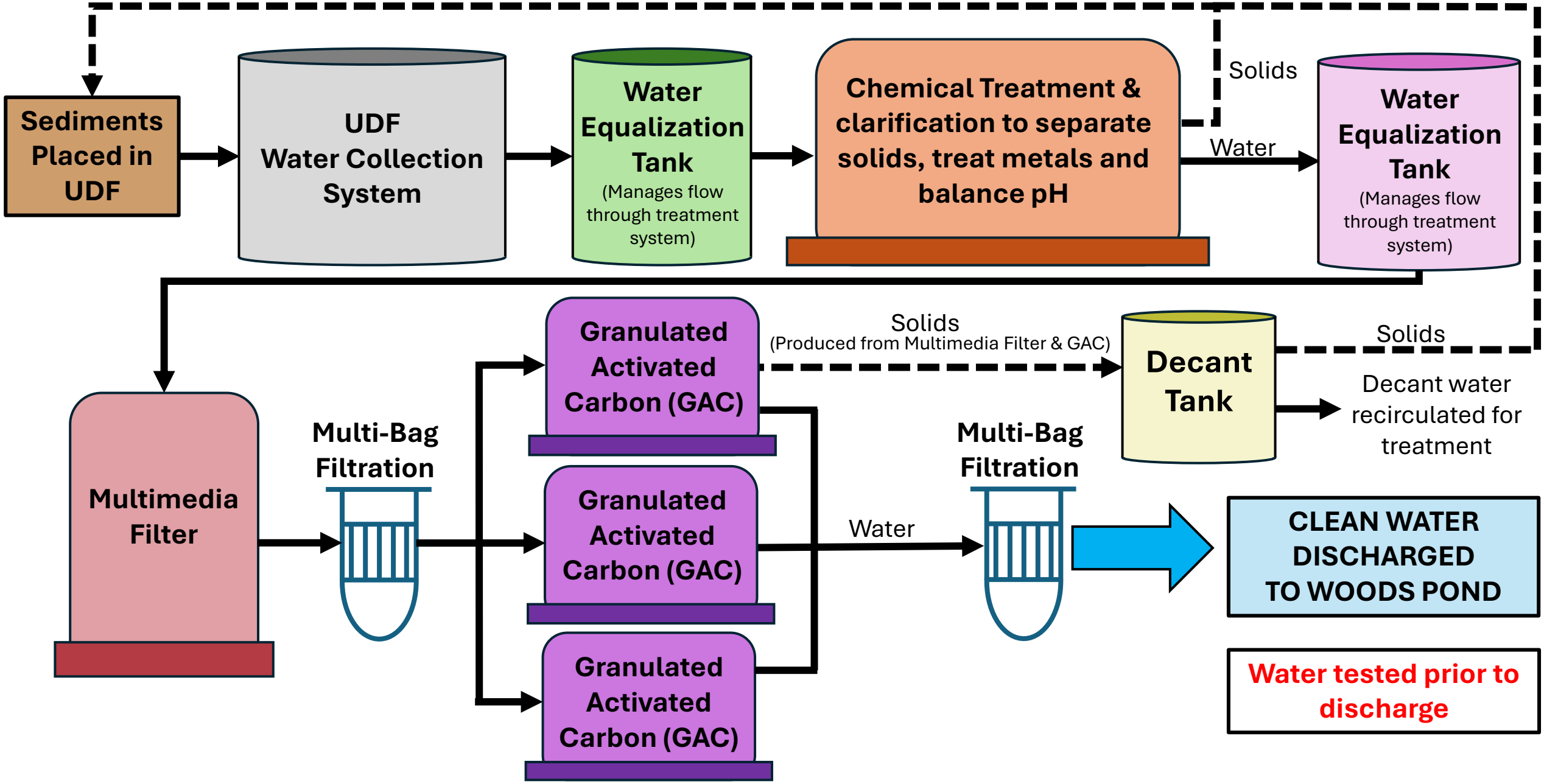


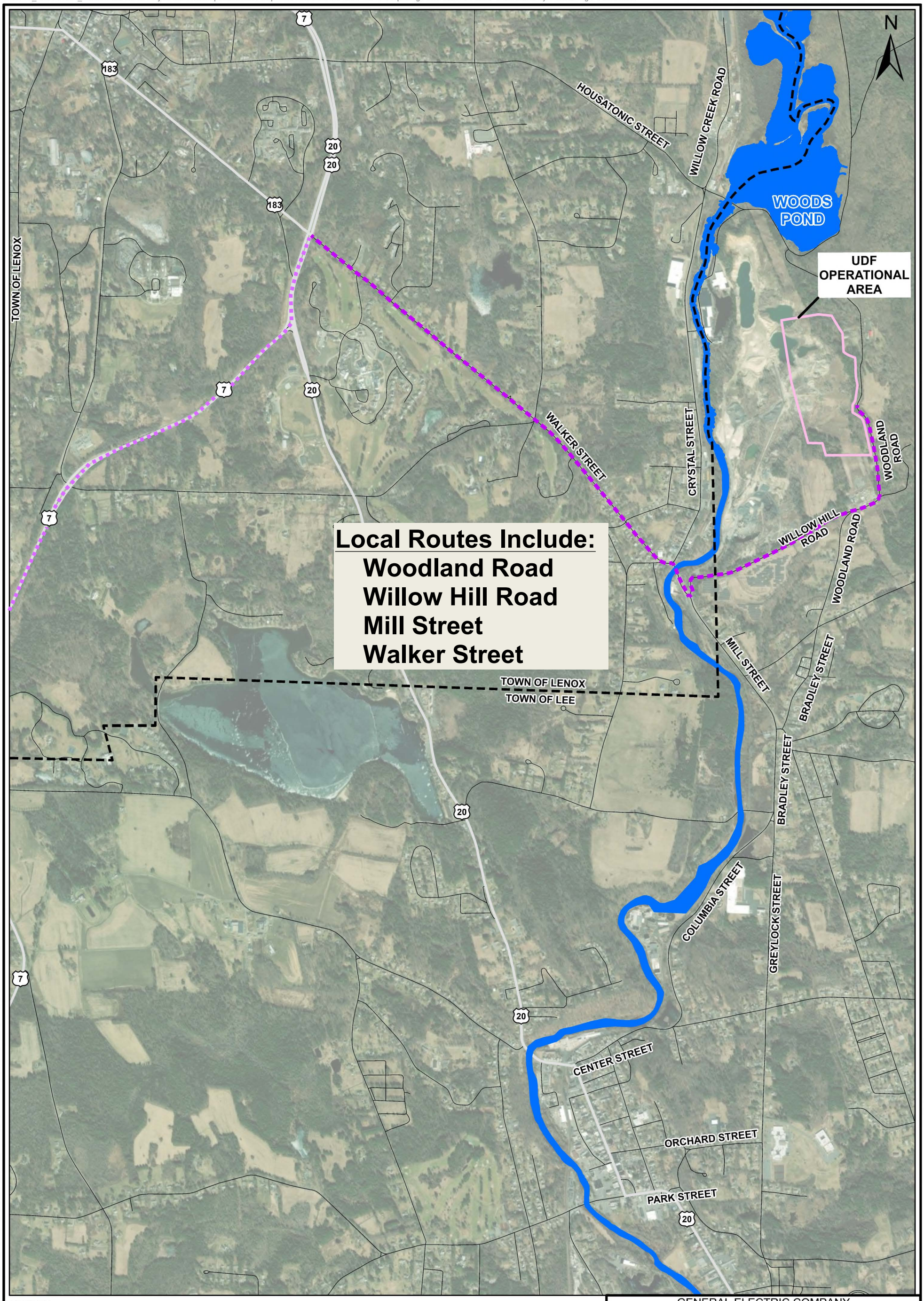
UDF Water Collection System



Geotextile Tube Dewatering System

UDF WATER TREATMENT SYSTEM DURING DREDGING





LEGEND
- TOWNSHIP BOUNDARY
- ROAD
- HOUSATONIC RIVER
- ROUTE FIRST ASSOCIATED WITH UDF CONSTRUCTION

NOTES:
1. COORDINATE SYSTEM: NAD83 STATE PLANE MASSACHUSETTS MAINLAND FIPS 2001
2. BASEMAP SOURCE: VIVID IMAGERY PROVIDED BY MAXAR, ACCESSED 11/20/2025
3. UDF = UPLAND DISPOSAL FACILITY
4. THE ROUTES INCLUDED IN THE ASSESSMENT MAY BE USED FOR THE TRANSPORTATION NOT ONLY OF REMOVED SEDIMENTS AND SOILS, BUT ALSO OF OTHER MATERIALS REQUIRED FOR REMEDIATION, INCLUDING CLEAN BACKFILL, CLEAN CAP MATERIAL, AND/OR EQUIPMENT.

0 1,500 3,000
GRAPHIC SCALE IN FEET

GENERAL ELECTRIC COMPANY
HOUSATONIC RIVER - REST OF RIVER

ROUTES FIRST ASSOCIATED WITH UDF CONSTRUCTION

ARCADIS

FIGURE
2

UDF Site Preparations & Construction – Truck Transport

- Roads used during UDF Site Preparations:

Woodland Road	Walker Street
Willow Hill Road	RTE 20/RTE 7 heading south to RTE 183
Mill Street	

- Truck routes for UDF construction to be proposed in upcoming SIP (Feb. 2026)
- The section of road between Mill Street and Willow Hill Road (Bradley Road and a portion of Woodland Road) will be avoided
- Activities do **not** involve the handling and transport of any contaminated material
- GE is required to evaluate the existing conditions, implement road improvements, and conduct monitoring and maintenance of roads used during cleanup activities
- Noise & particulate monitoring are ongoing during Site Preparation/ Construction activities (data available at housatonicriverproject.com)