



PORSCMOUTH GASEOUS DIFFUSION PLANT POST D&D CONFIGURATION PLAN

FUTURE VISION

Prepared by



PROJECT SCOPE

Create conceptual report with figures to display
the final site configuration and infrastructure

REPORT DEVELOPMENT

- Reviewed site history, drawings, reports
- Interviewed FBP, DOE, SODI, & SSAB representatives
- Studied layout & function of existing infrastructure
- Questioned knowledgeable site personnel about infrastructure issues
- Performed field investigations of specific infrastructure features with knowledgeable site personnel

OBJECTIVE

Create a post-D&D site configuration
attractive to industrial tenants

ASSUMPTIONS

- Retain ACP facilities
- Retain DUF6 facilities
- Provide location for construction of an On-Site Disposal Facility to allow for consolidation of landfills and plumes that interfere with development of an industrial park
- Preserve infrastructure which is of value to future industrial development

POSITIVE EXISTING CONDITIONS

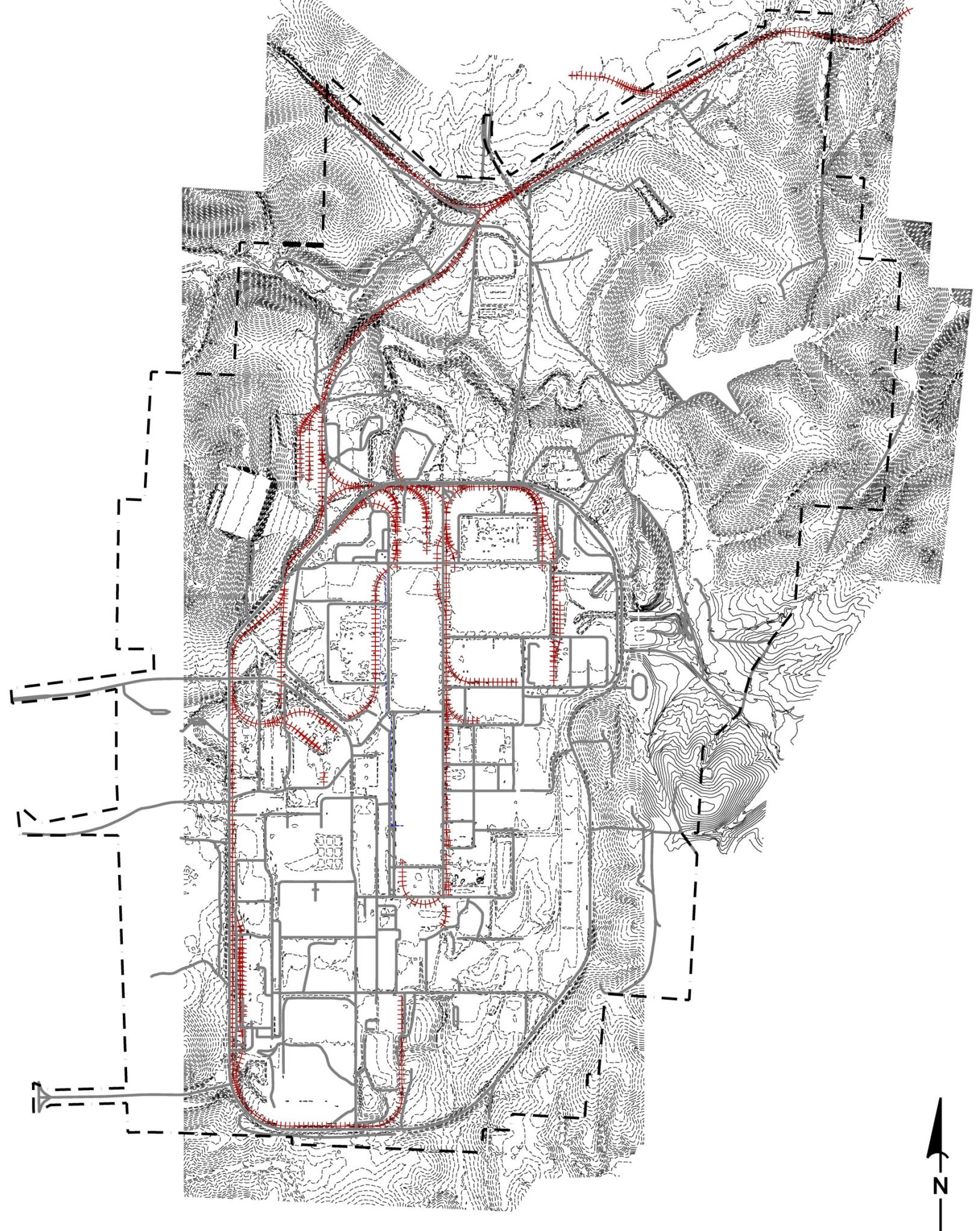
- Excellent access to major roadways
- Excellent rail service
- Good Sanitary Water distribution system
- Excellent Electrical supply & distribution system
- Good High Pressure Fire Water system
- Wastewater collection system
- Existing natural gas service
- Numerous existing rights-of-ways with pipelines

NEGATIVE EXISTING CONDITIONS

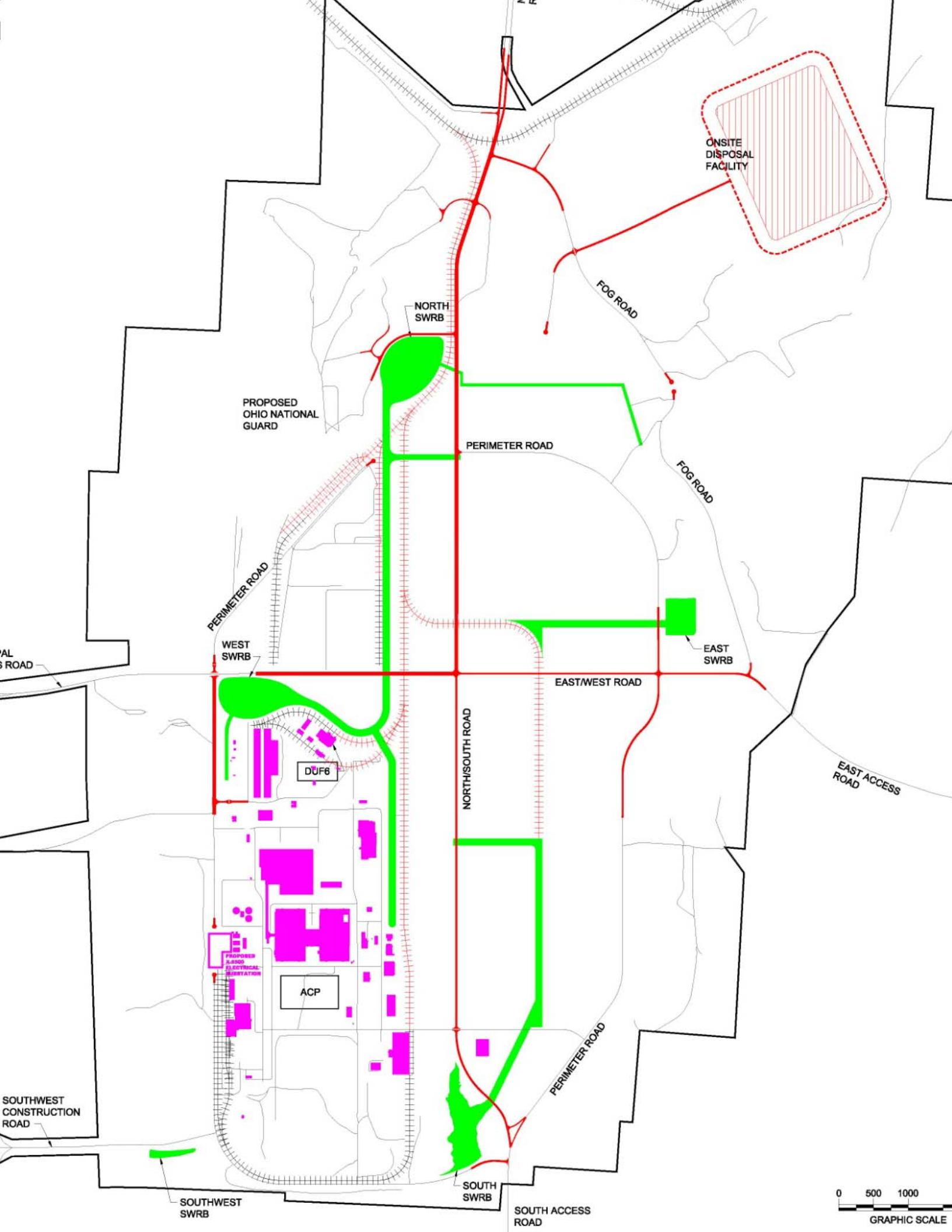
- Existing landfills & groundwater plumes in area where industrial development is being proposed
- Water treatment plant old, oversized, and in prime location for industrial development
- Wastewater treatment plant old
- Wastewater effluent line contaminated

EXISTING TOPOGRAPHY

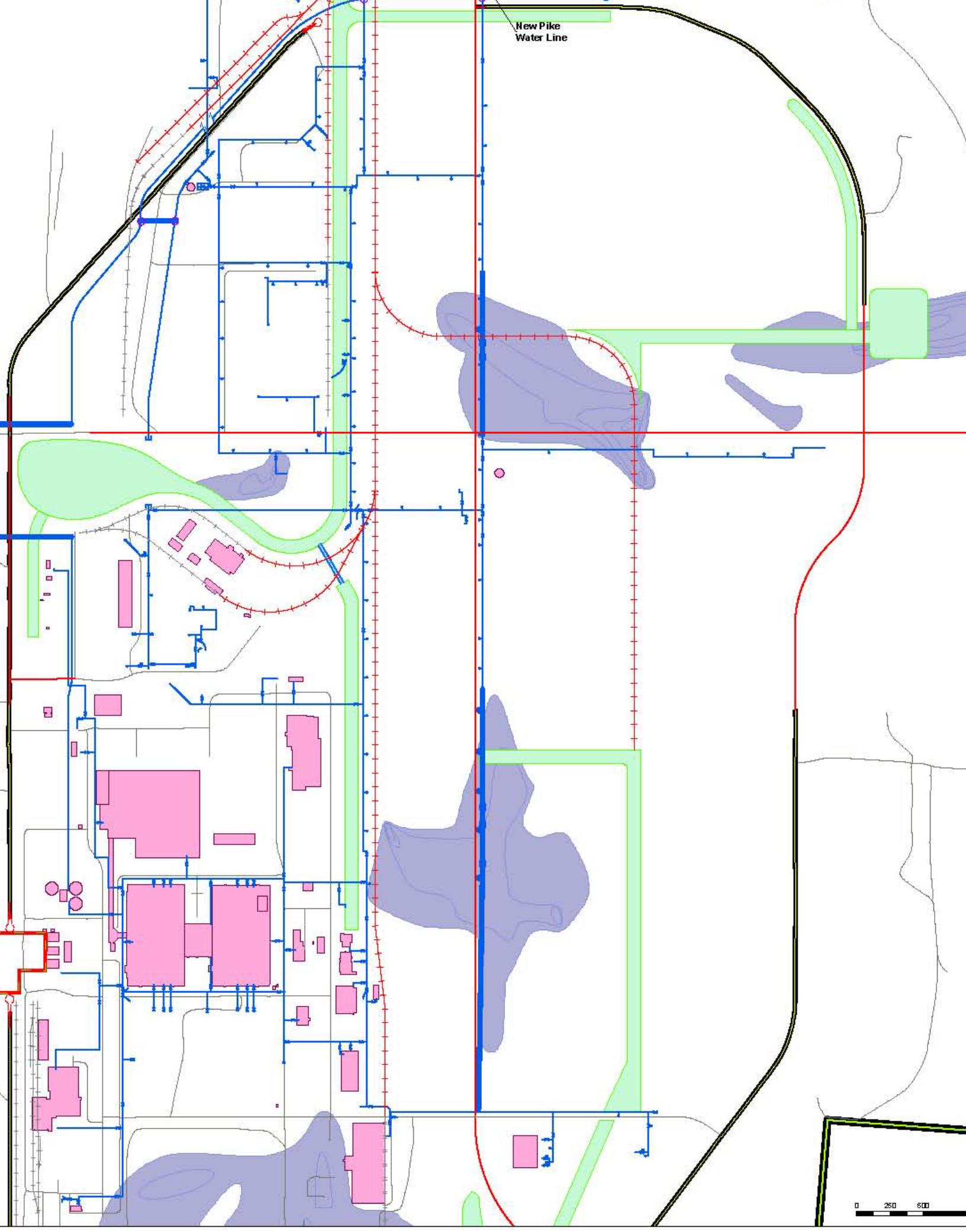
(layout of existing site)



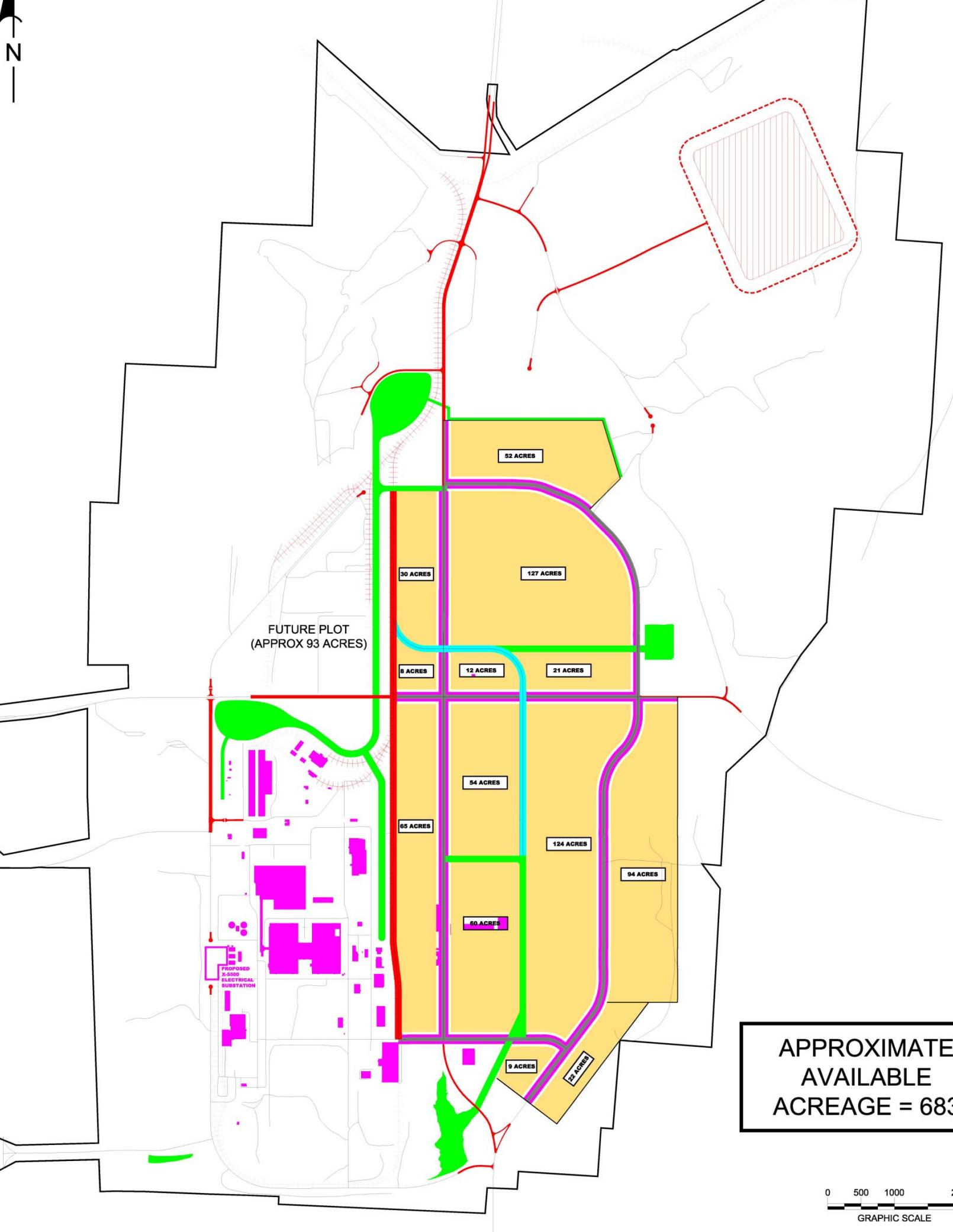
POSSIBLE END STATE

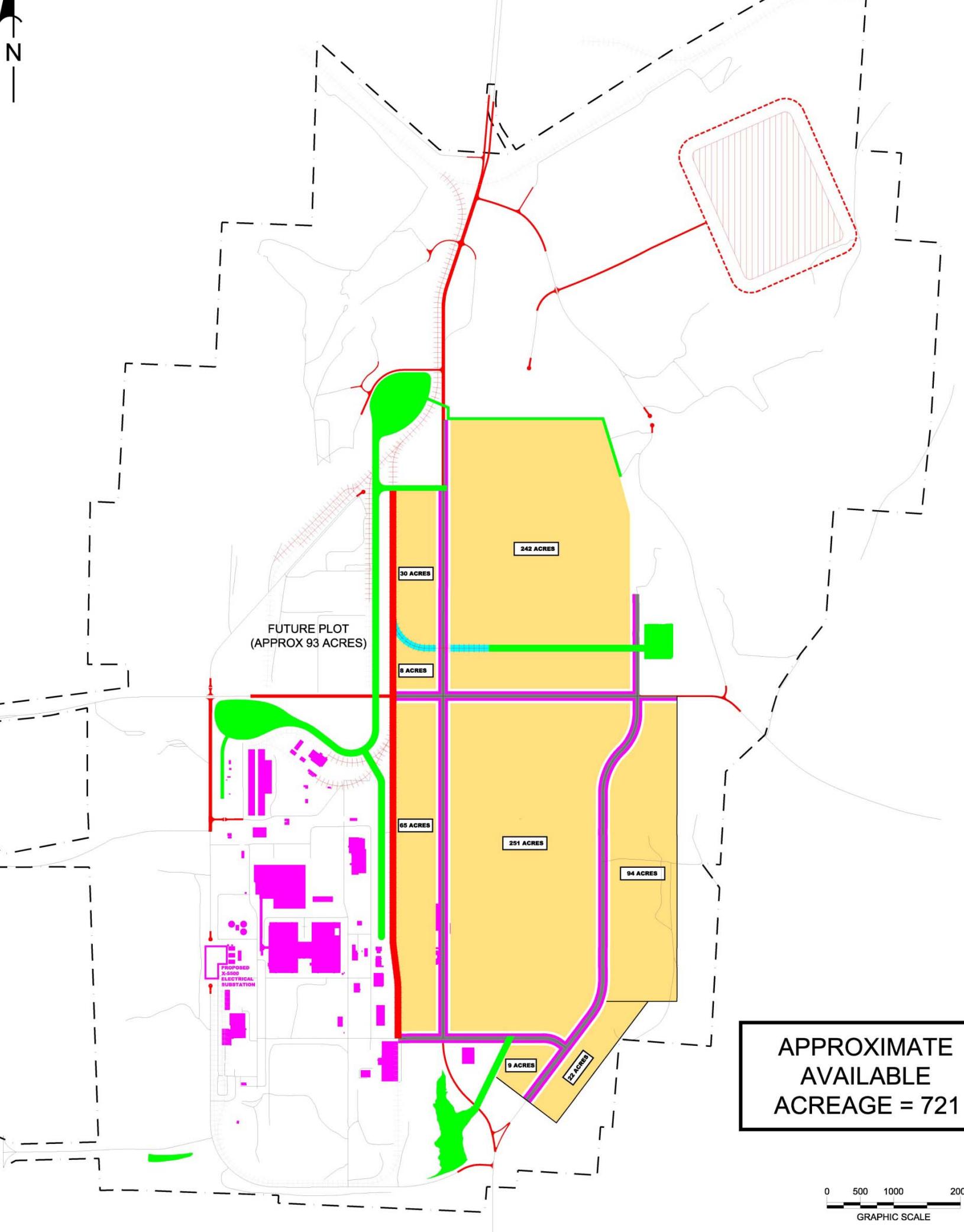


TYPICAL UTILITY LAYOUT

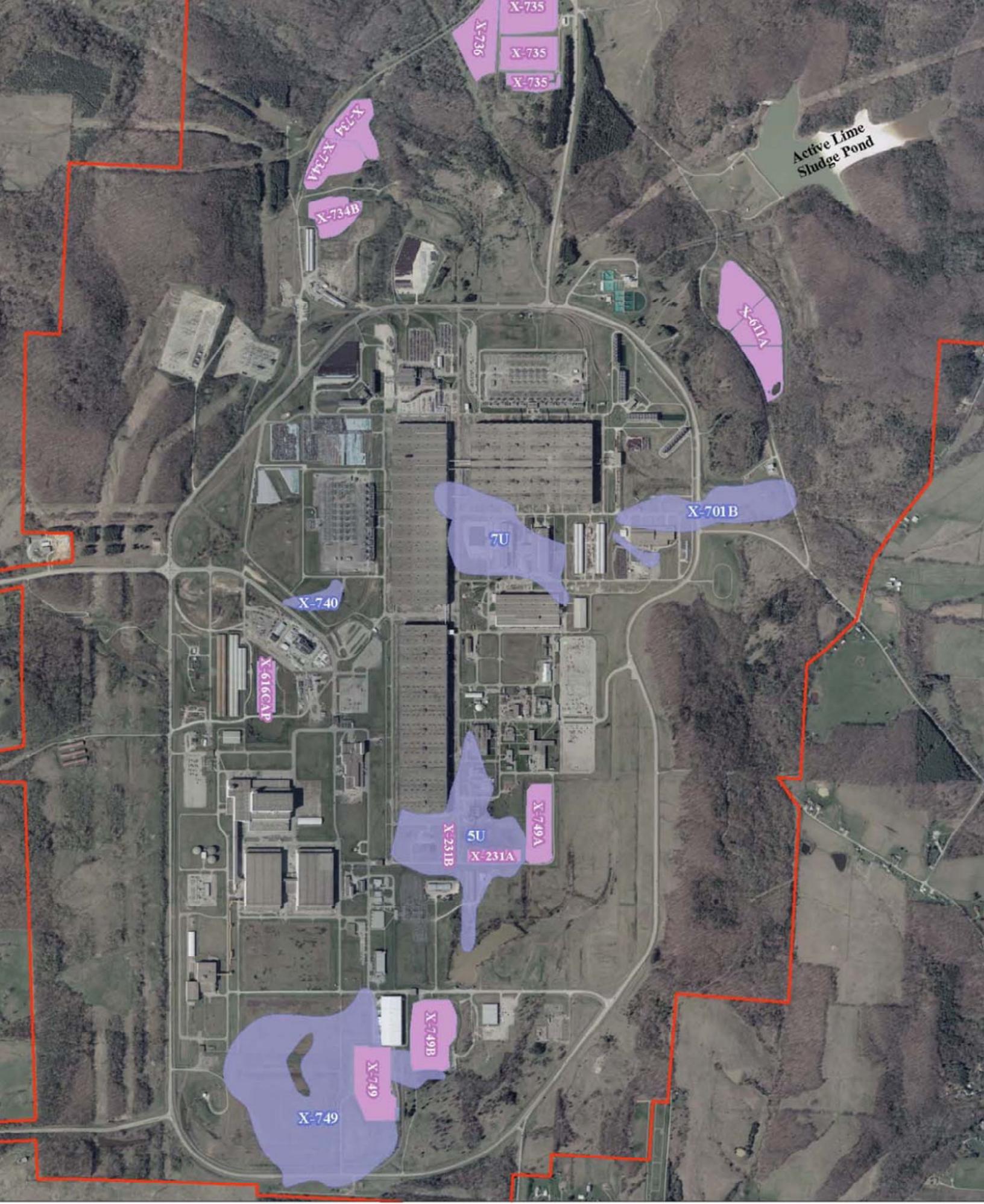


POSSIBLE DEVELOPMENT PLOTS





SUGGESTED REMEDIATION



Legend

Landfill

TCE Contaminant Plume

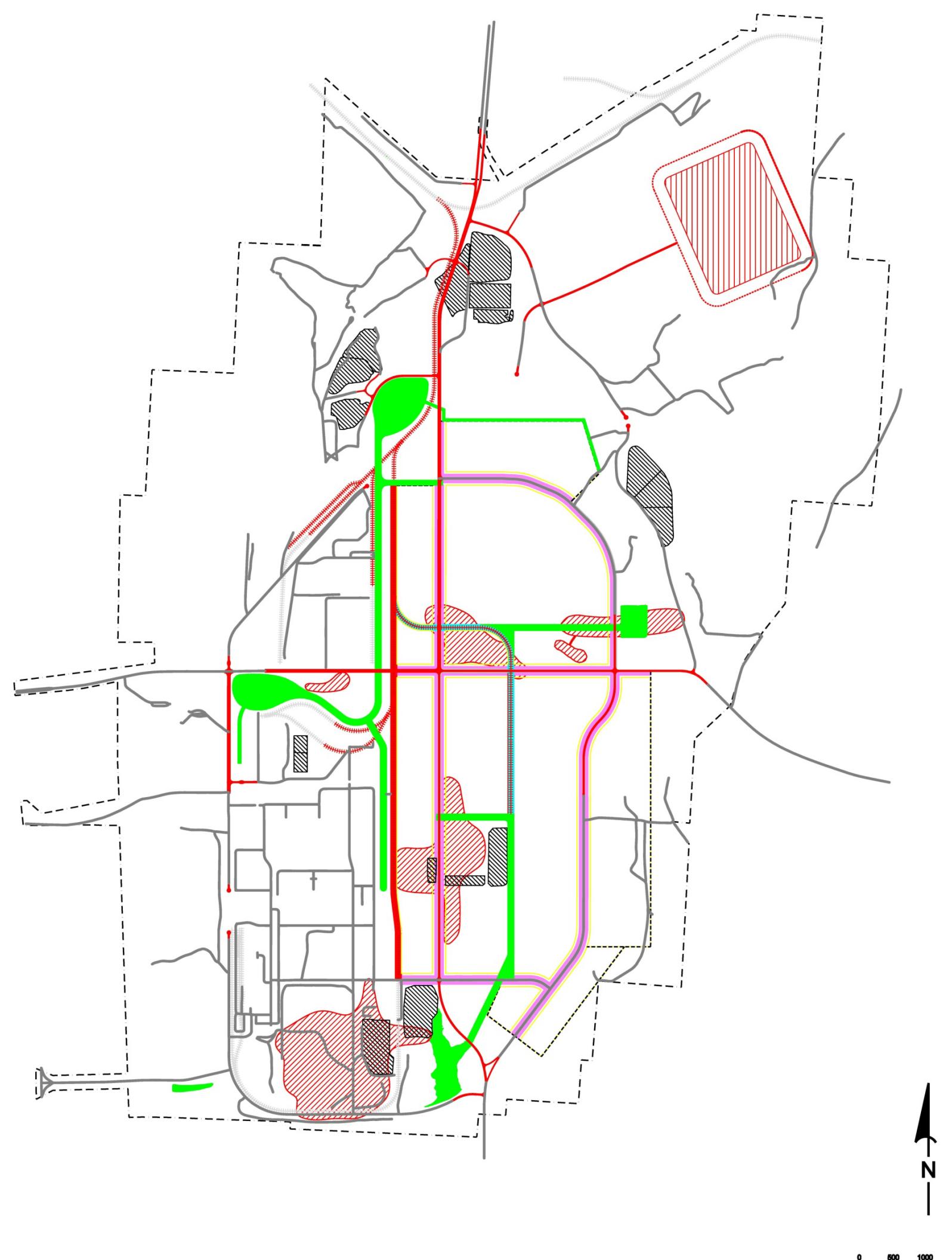
Designed By:

Julie Rediker

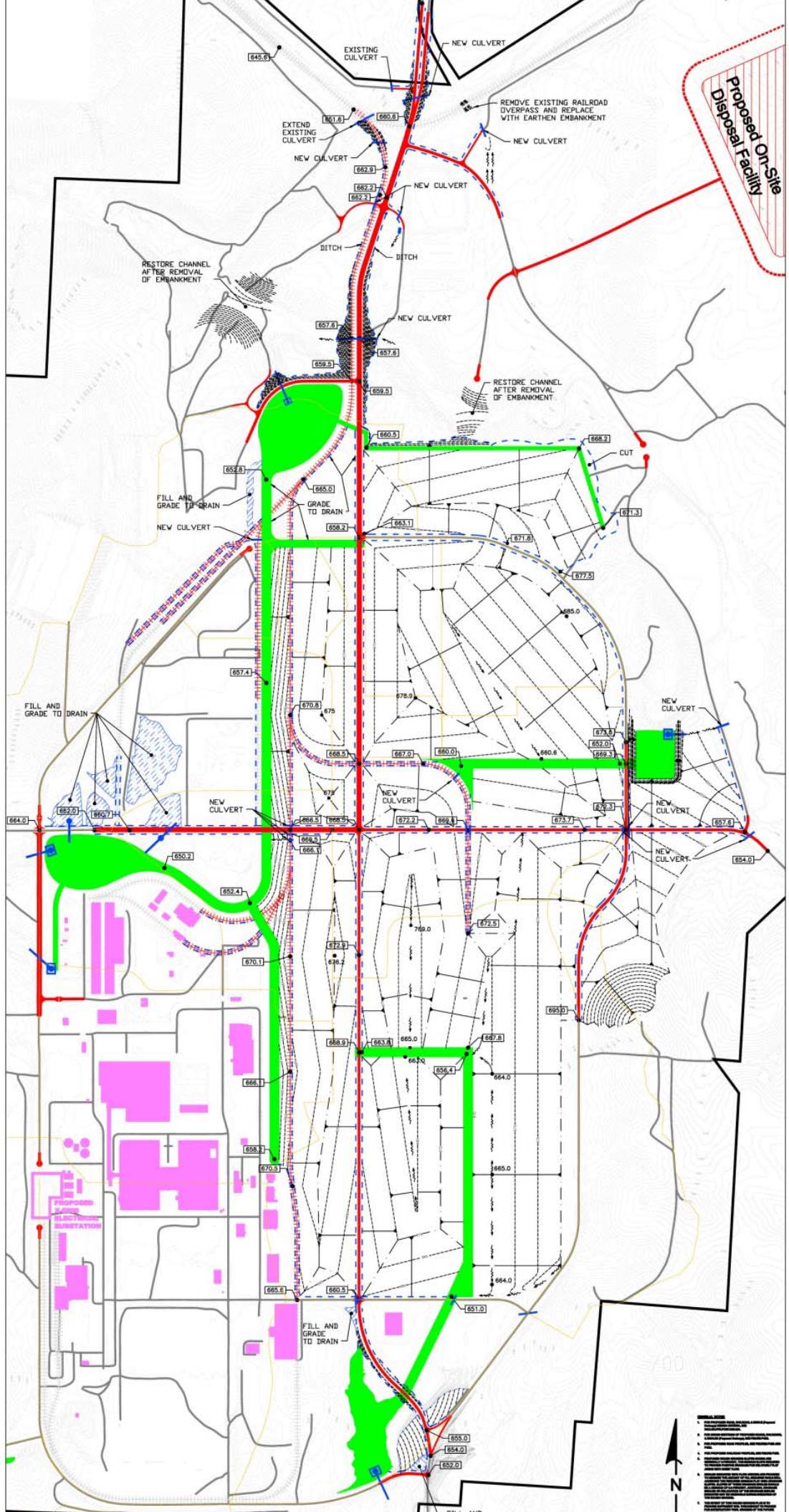
Date:

12/28/2011

Existing Groundwater Plumes & Landfi

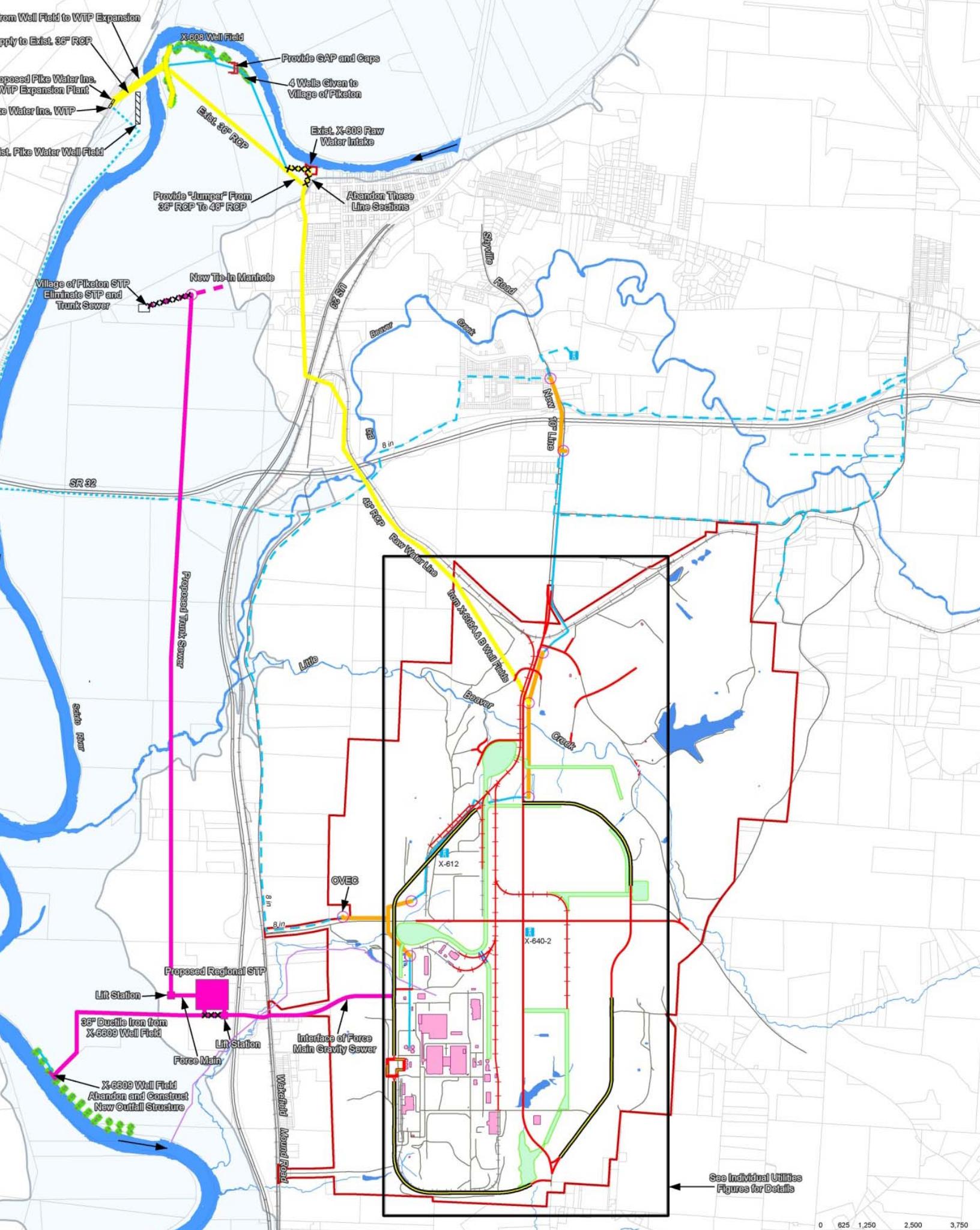


POSSIBLE GRADING PLAN



WATER SUPPLY & WASTEWATER

Two of the most significant recommendations involve water supply/treatment and wastewater treatment/discharge.



END RESULT

- Approximately 720 acres of land for initial industrial development
- An additional ~ 100 acres of land for future development after DUF6 cylinders removed from north of Principal Access Road

END RESULT

- Developments along N/S Road provided with:
 - New & improved roadway access
 - Roads
 - Electric supply
 - Sanitary Water
 - Wastewater collection & treatment
 - High Pressure Fire Water
 - Natural Gas supply
 - Potential rail access
 - Storm water runoff and control
- Developments along east Perimeter Road setup for connection/extension of above utilities

END RESULT

**Creation of one of the largest industrial parks
in Ohio**