

Kingwood Park- Preliminary Design Ideas







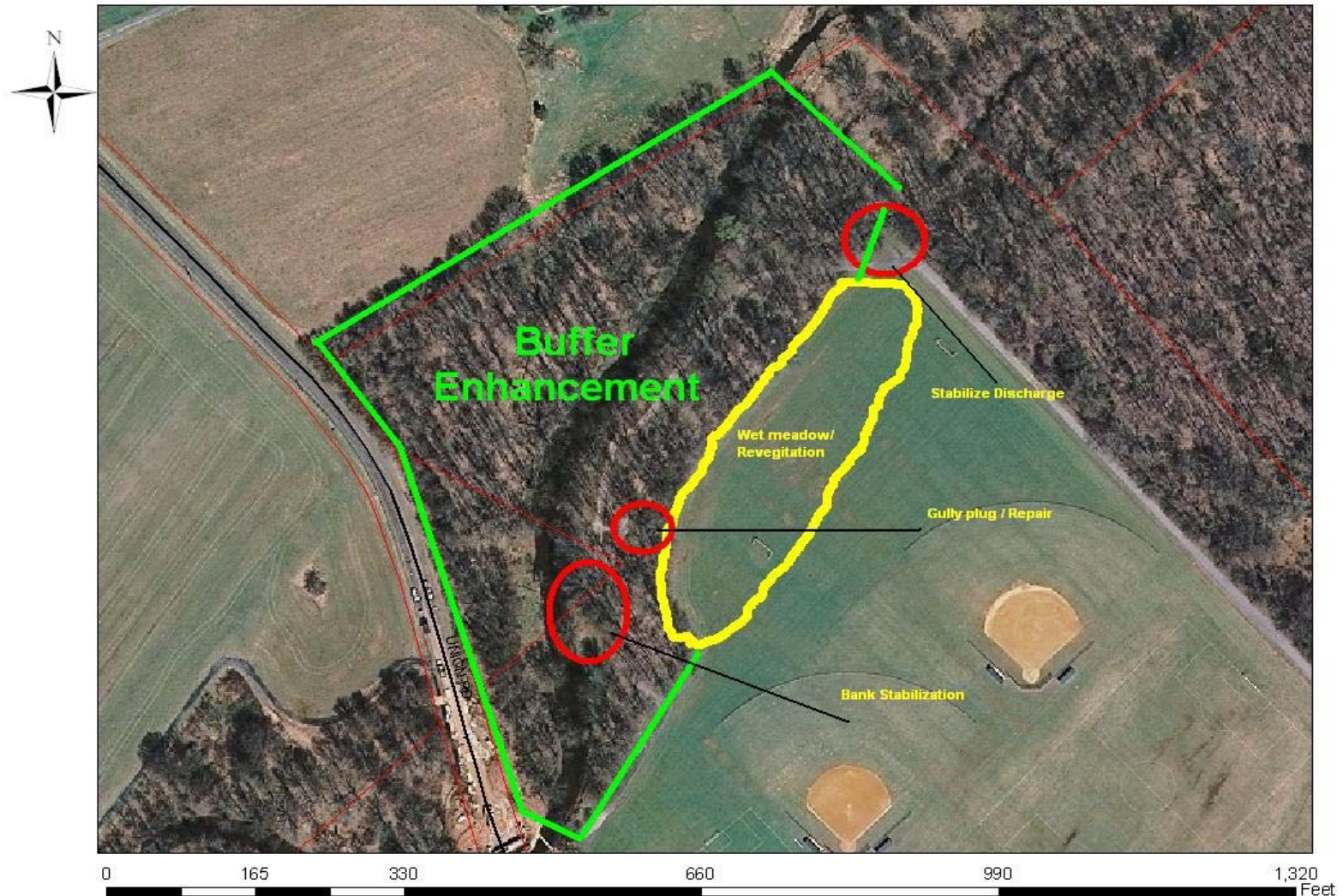
Kingwood Park- Buffer Area

- **Primary**
- Nutrient Reduction
- Evapotranspiration
- Reduce Sedimentation
- Increase Roughness
- Increase Ponding
- Mitigate flows
- **Secondary**
- Species Diversity
- Habitat
- Aesthetics
- Other Recreation
- Soil Health

Kingwood Park- Buffer Area

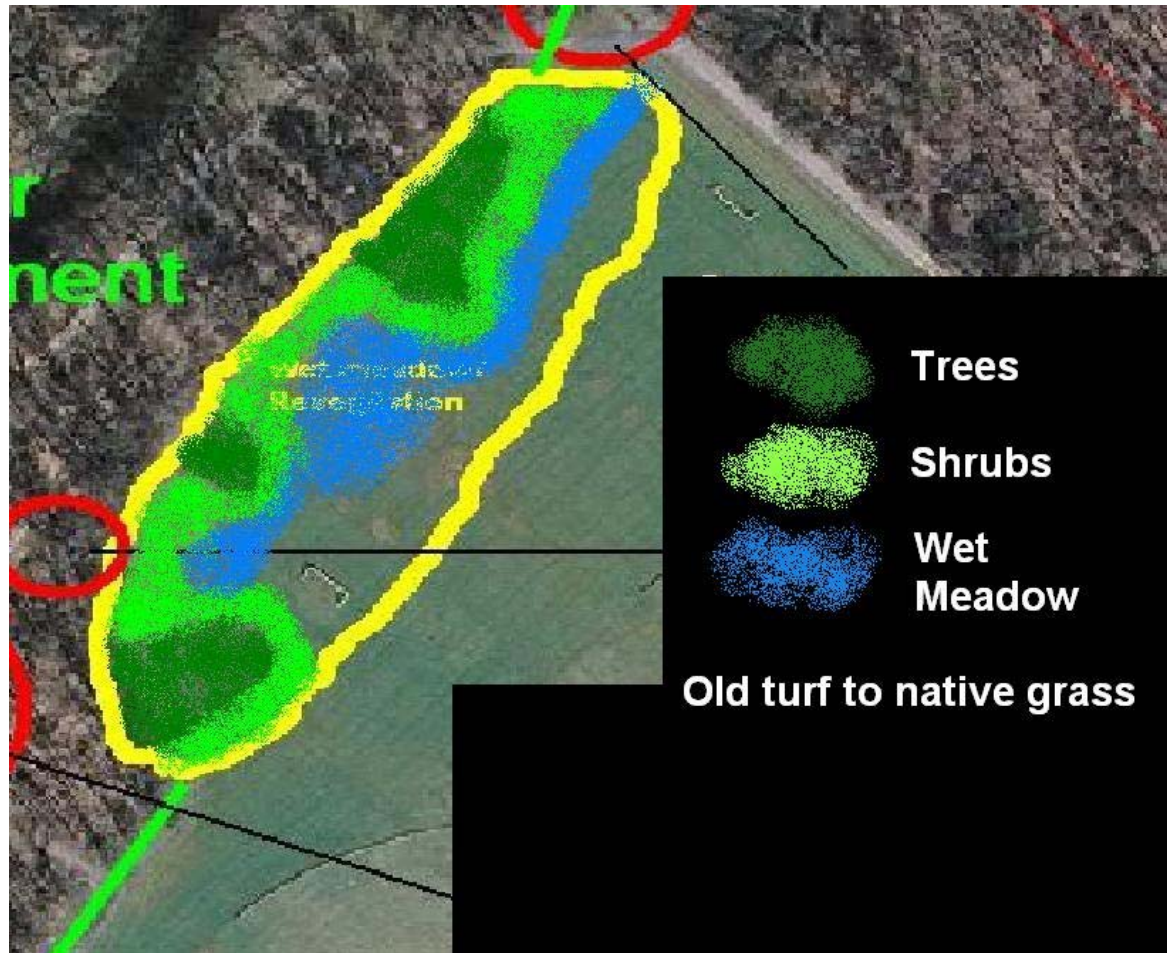
- Double species diversity
- Restore vegetative strata
- Eliminate areas of concentrated flow through buffer
- Add food and shelter (birds) (amphibians)

Stream Buffer





Wet Meadow Area



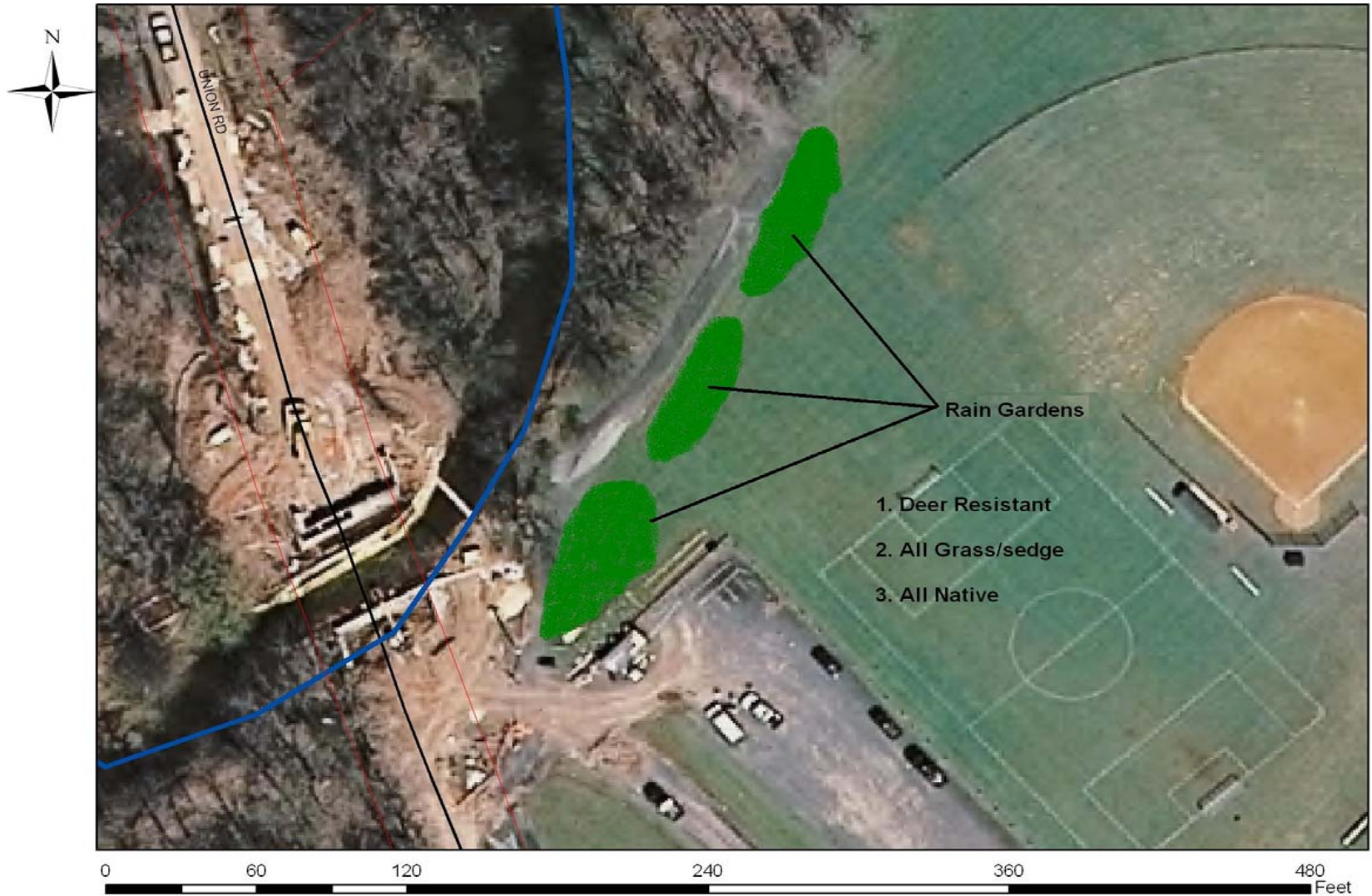




BMP's – Rain Gardens, Bio Swale, Constructed Wetland

- Water quality
- P & Fecal Reductions
- Evapotranspiration
- Explore Recharge
- Habitat
- Education
- Innovation & Adaptation
- Retrofitting

Kingwood Park

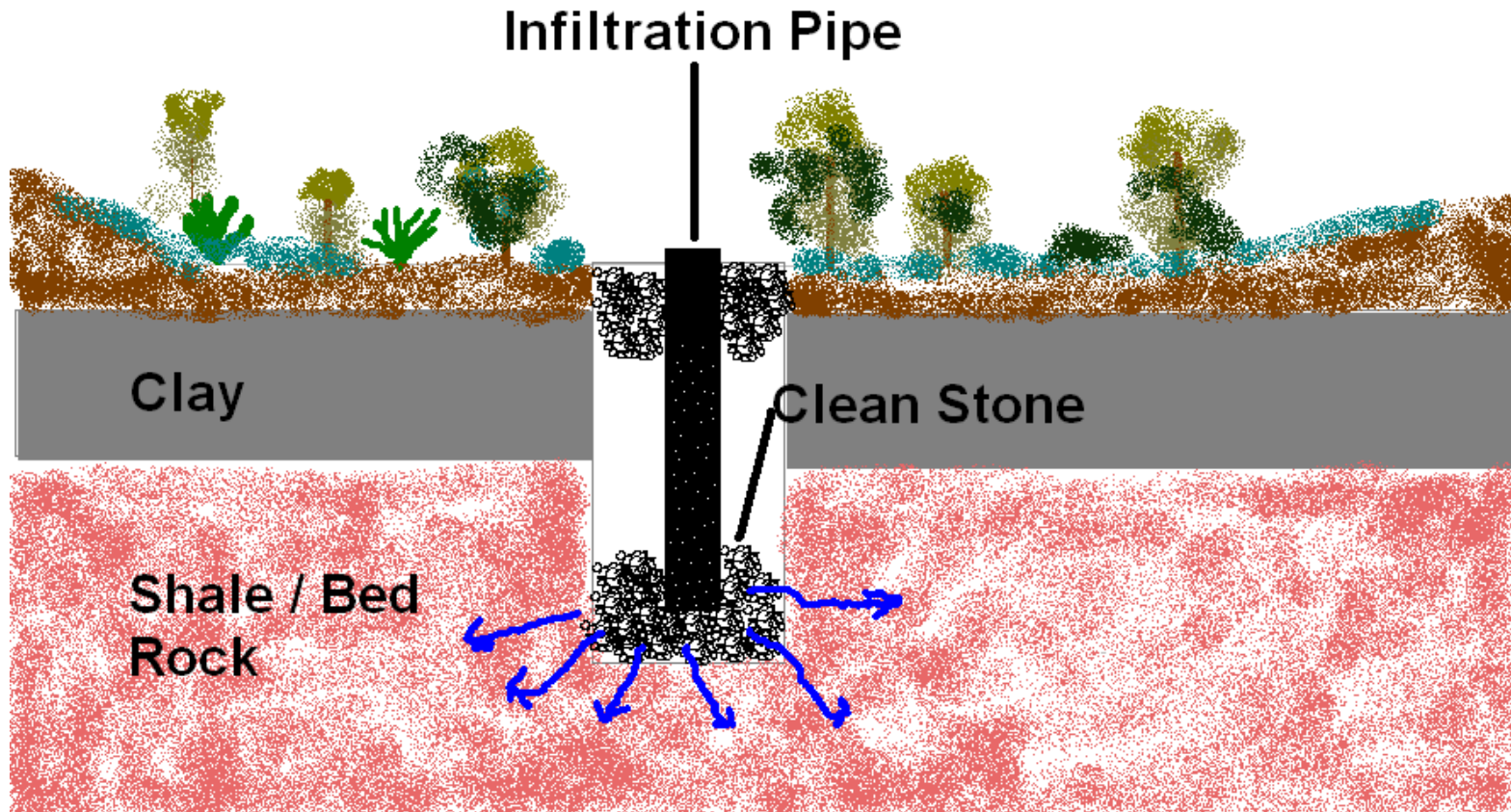




Rain Gardens



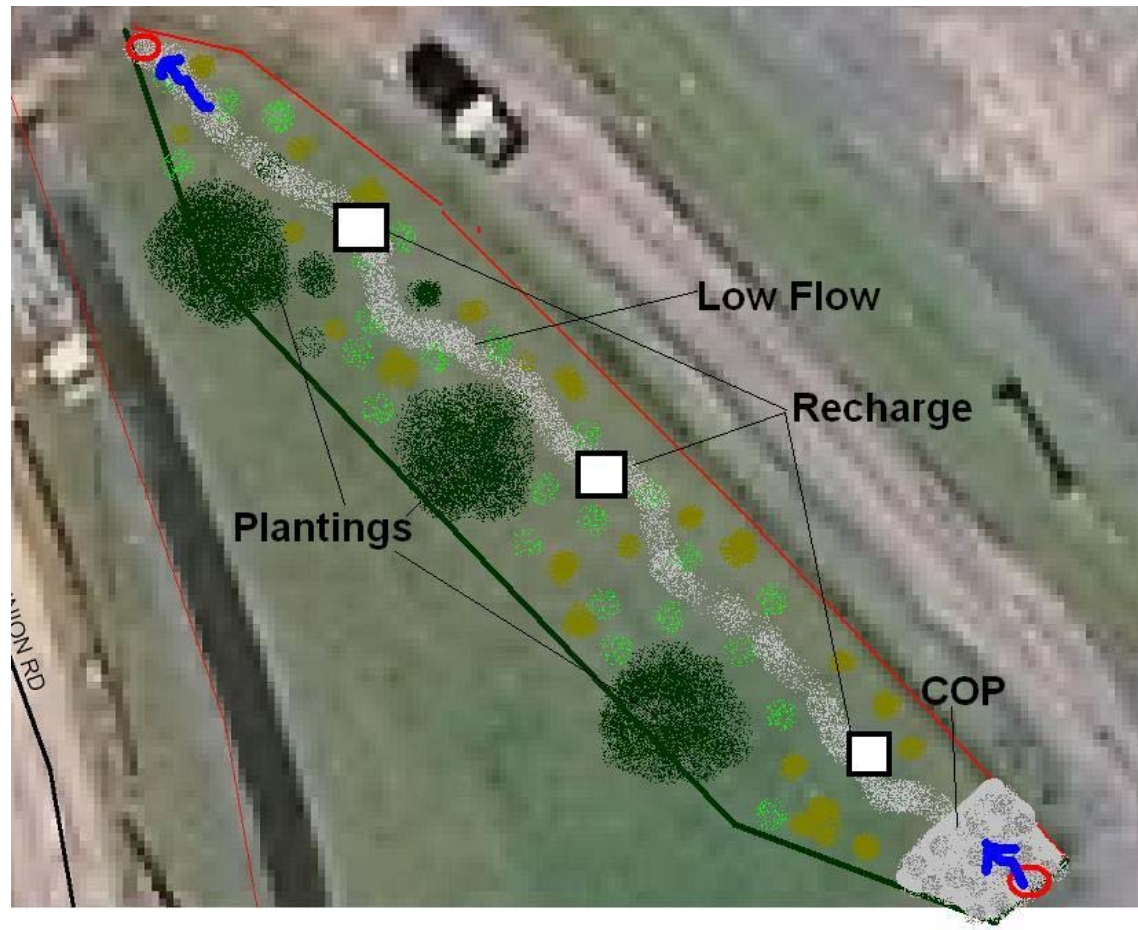
Kingwood Park- Rain Garden



Bio-Swale



Bio-Swale



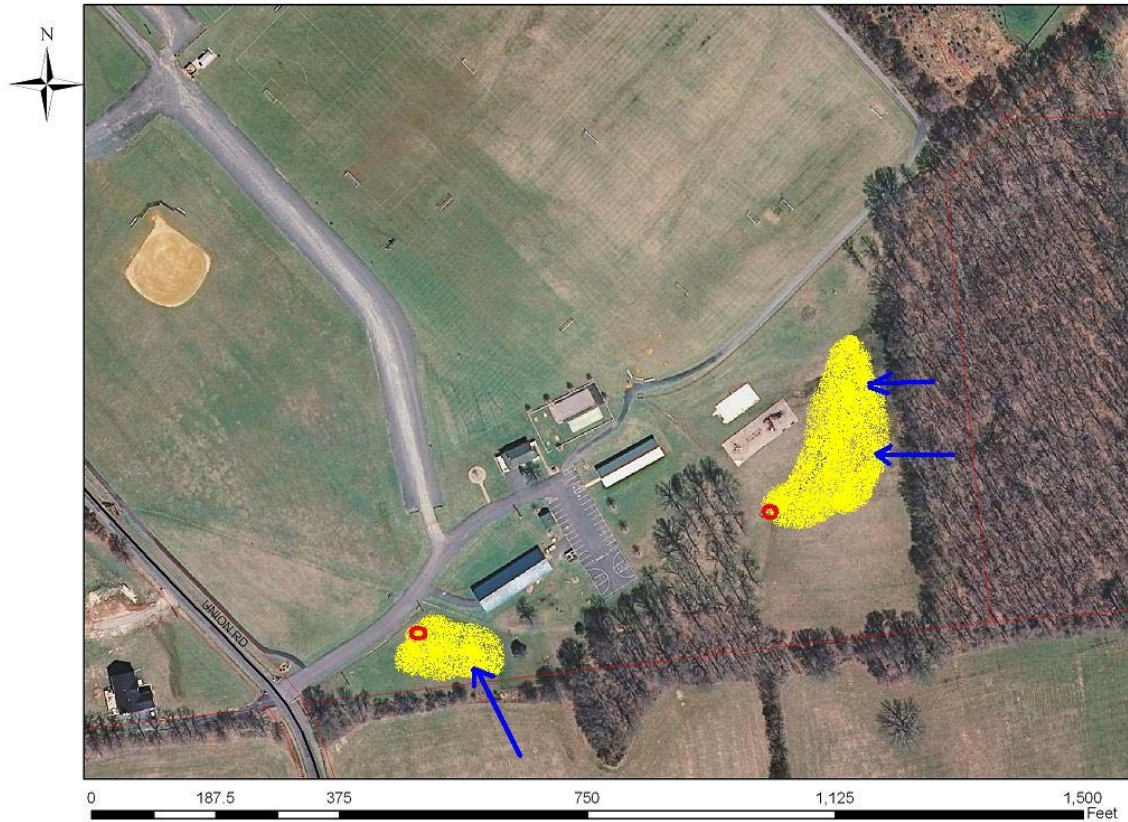
Bio-swales

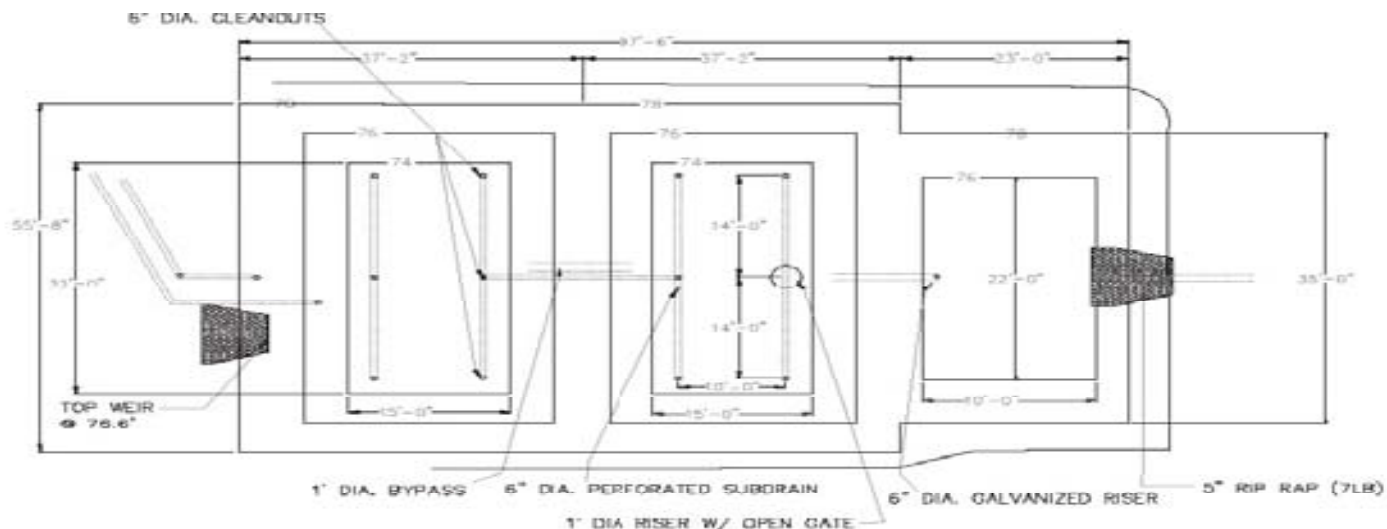


Gravel Wetlands



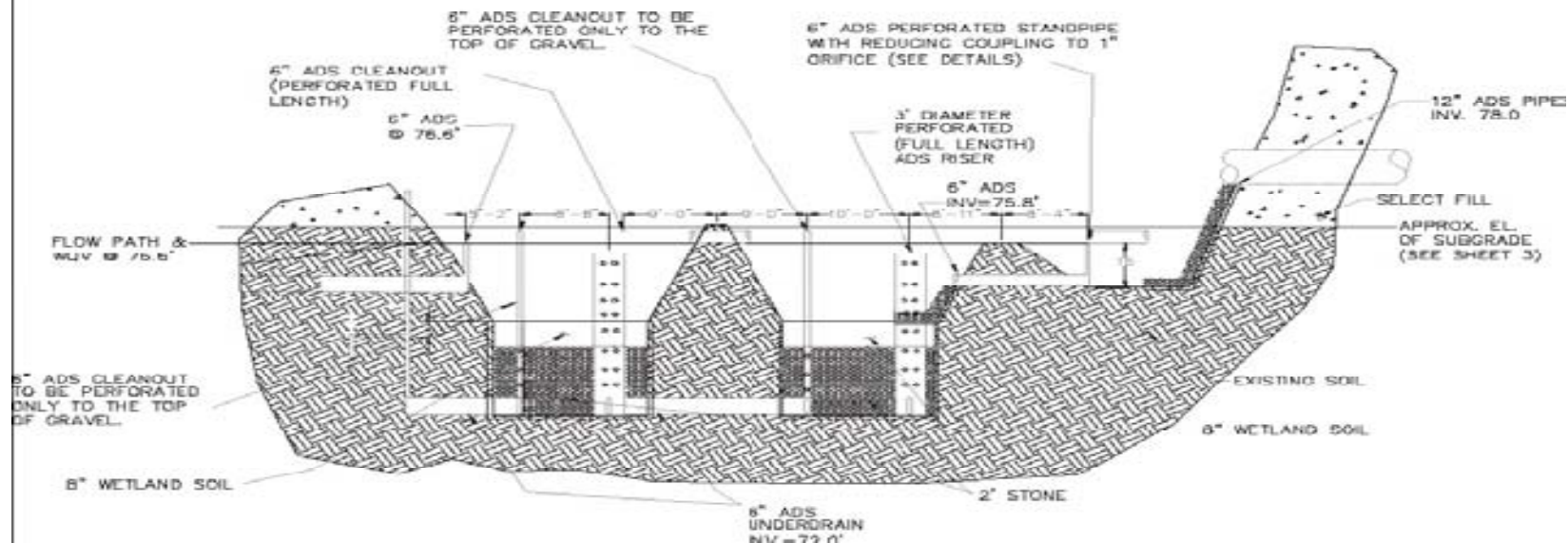
Gravel Wetlands





NOTE: 6" ADS CLEANOUTS SHALL BE NON-PERFORATED, CAPPED WITH THREADED FITTING AND SUPPORTED.

NOTE: ALL RISER PIPES CONTAIN 4 - 1/2" PERFORATIONS AT 90 DEGREES TO EACH OTHER ON 2" CENTERS



Thanks

- Questions?
- Better look at Gravel Wetlands?