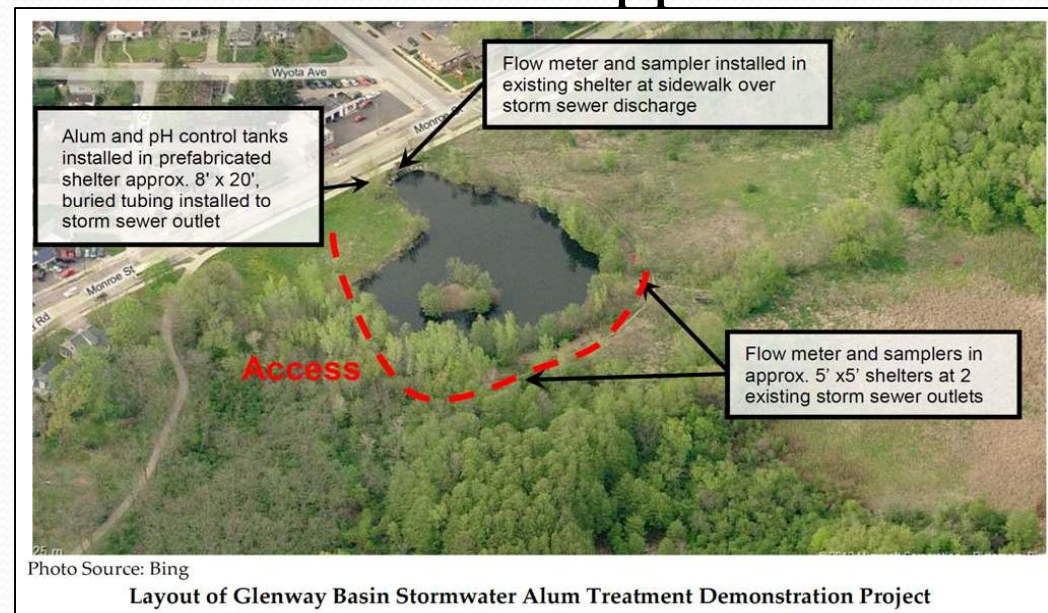


# ON GOING MUNICIPAL PROJECTS

Greg Fries, P.E.  
City of Madison

# Process:

- Since this site was an existing treatment pond; and
- Since the alum treatment was to occur in a permitted treatment facility; and
- Since we had the landowners permission; and
- Since we would obtain Common Council approval for the project; therefore



- We proposed to the WDNR that no permit was needed.

# So Far...



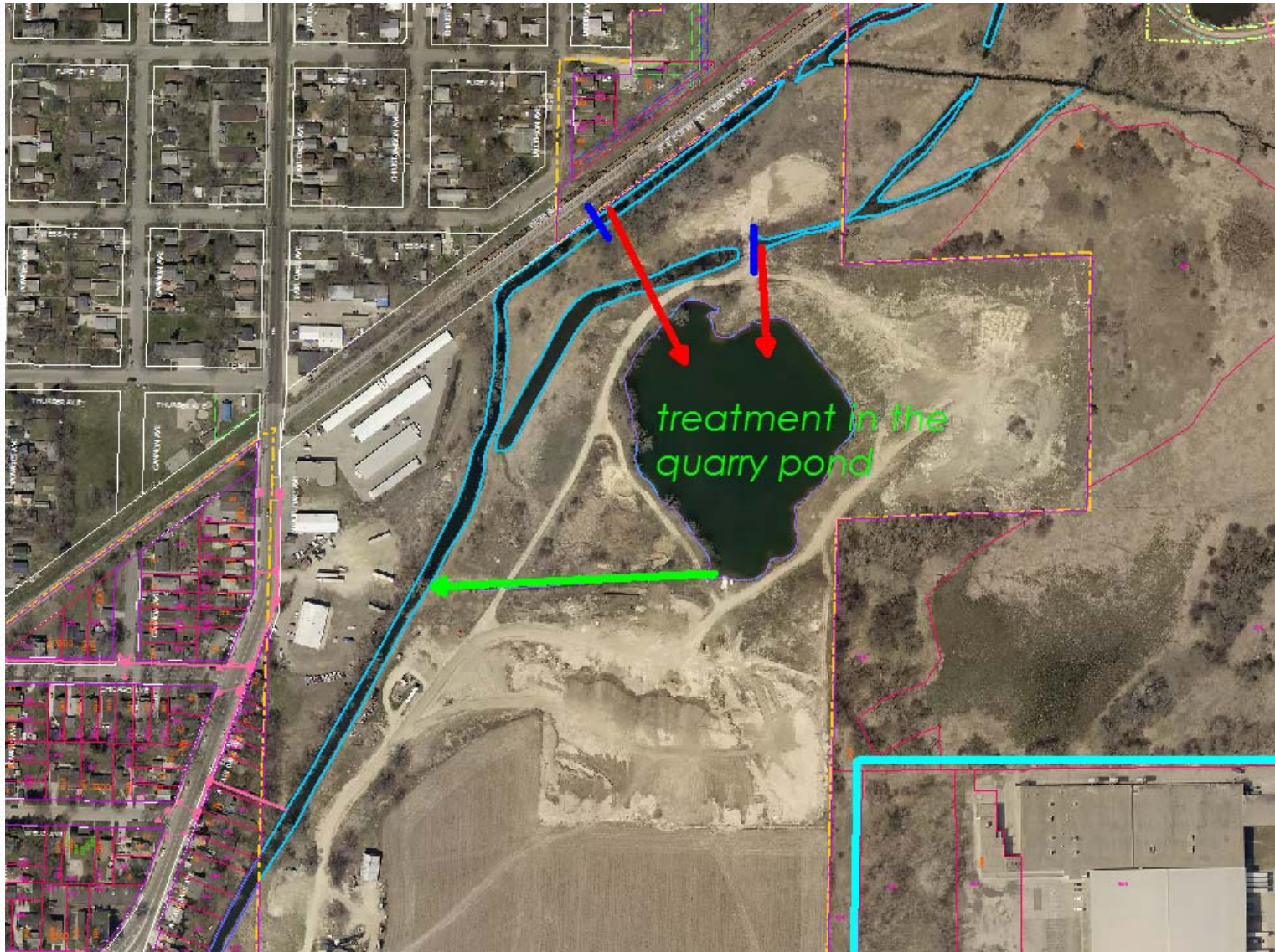
# So Far...



# Part II – Future Possibilities

- Part I is now operational and we are working actively on Part II opportunities
- Meeting with WDNR in December of 2013 and July of 2014 to discuss options. Both discussions were extremely productive and included:
  - Discussion of diverting stream event flow (not base) into a treatment pond and then returning to the creek.
  - Discussion of how to address the possible Mercury Methylation - WDNR response on this is pending.....

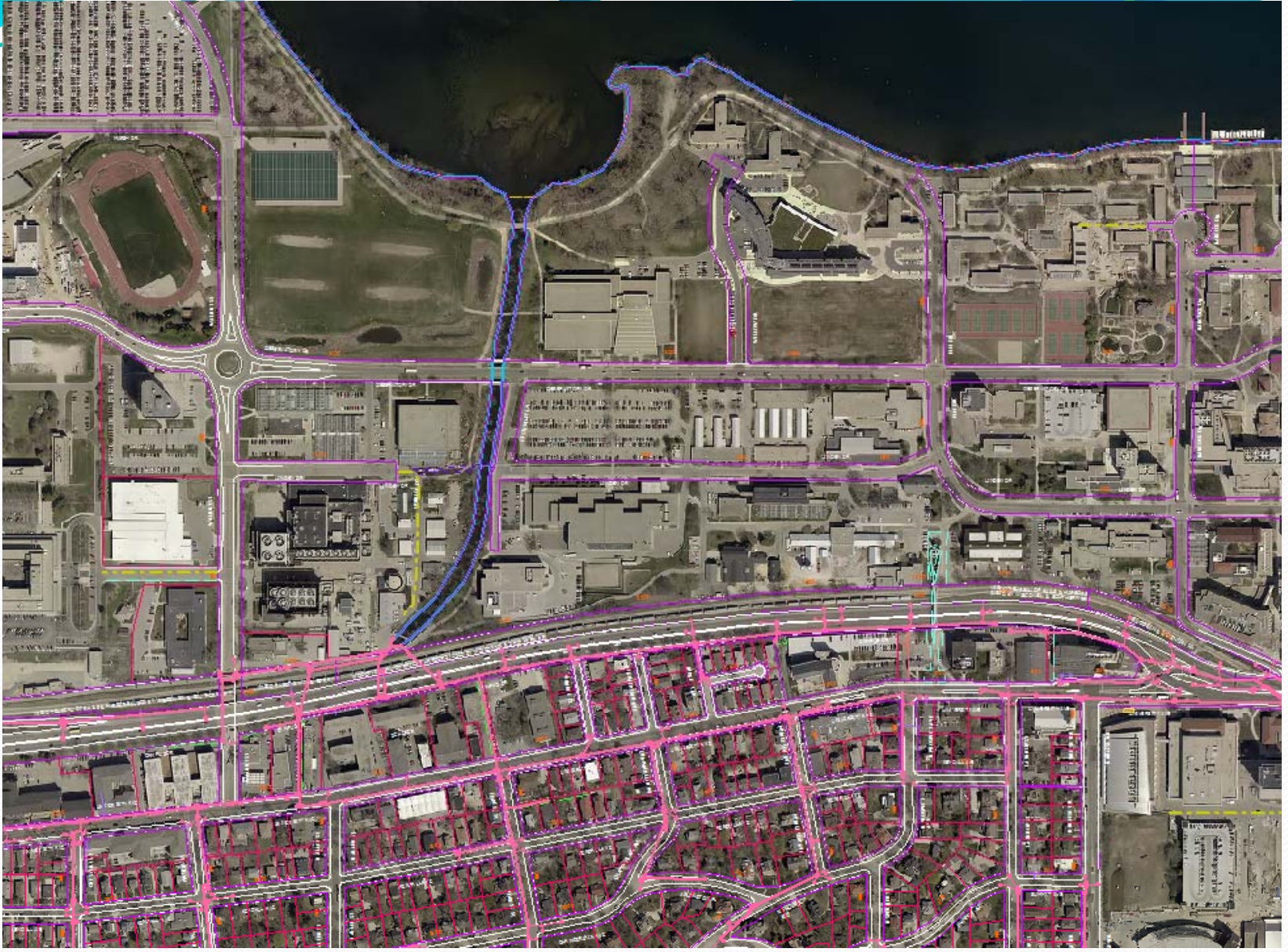
# PART II - LOCATION



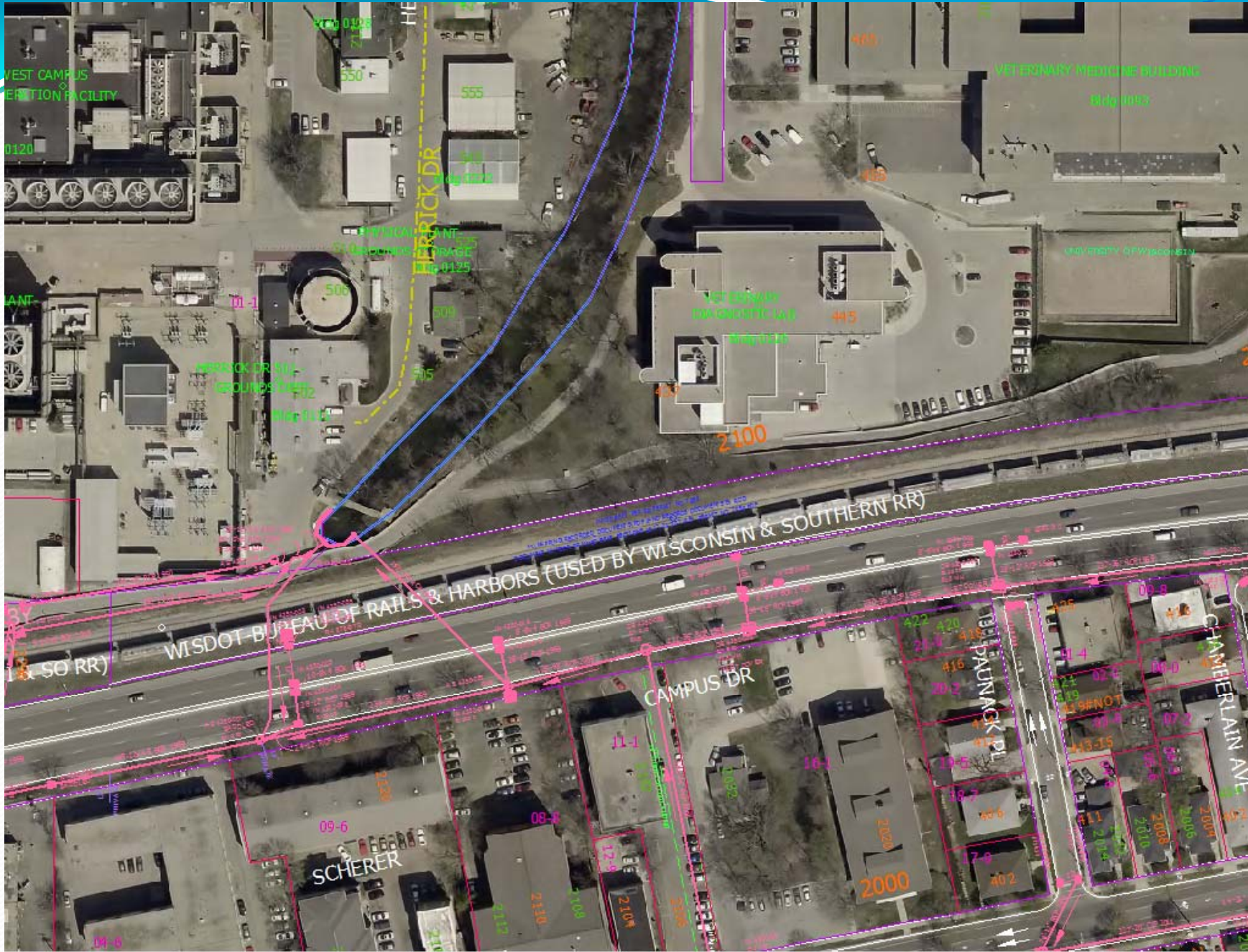


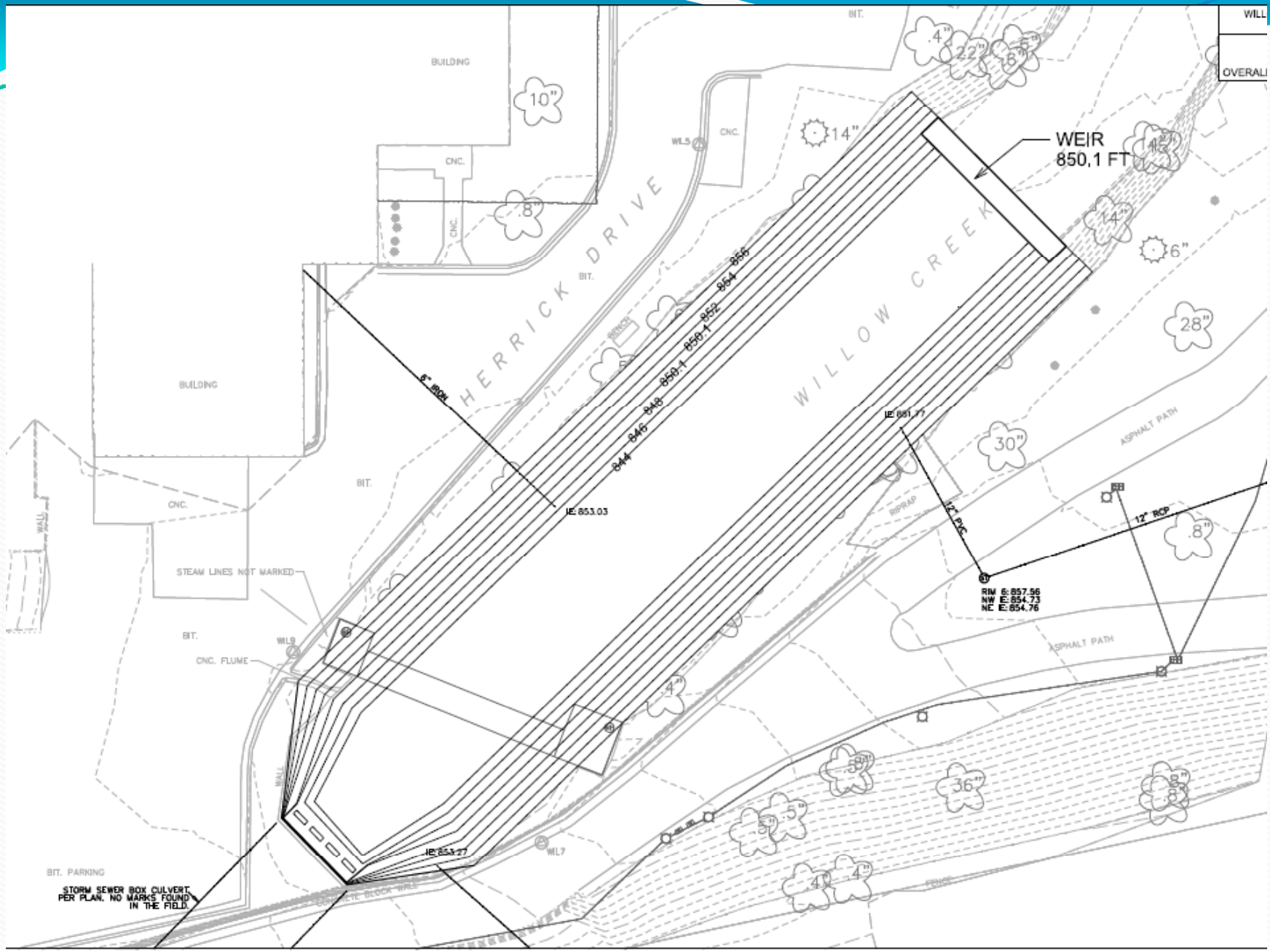
# WILLOW CREEK

- The City of Madison and UW have met with WDNR to discuss the permitting of an in-channel treatment system for Willow Creek followed by dredging of the channel and Lake Mendota.
- While there are a good number of permits required to proceed with this project the WDNR has been supportive of the approach.





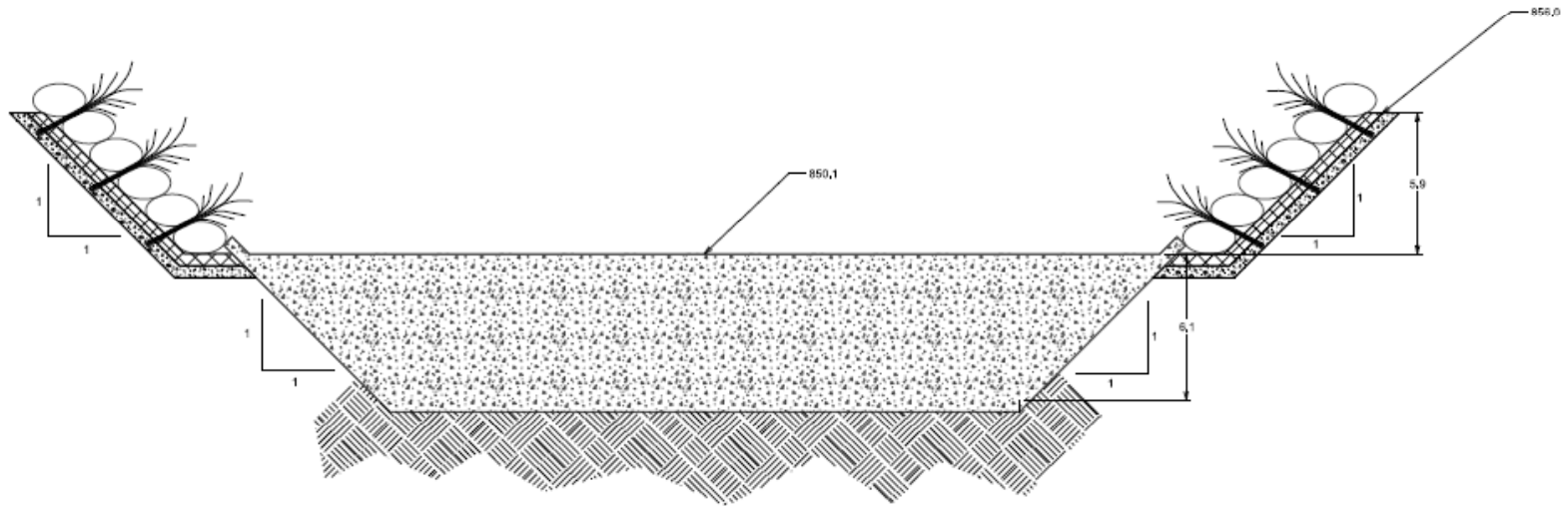
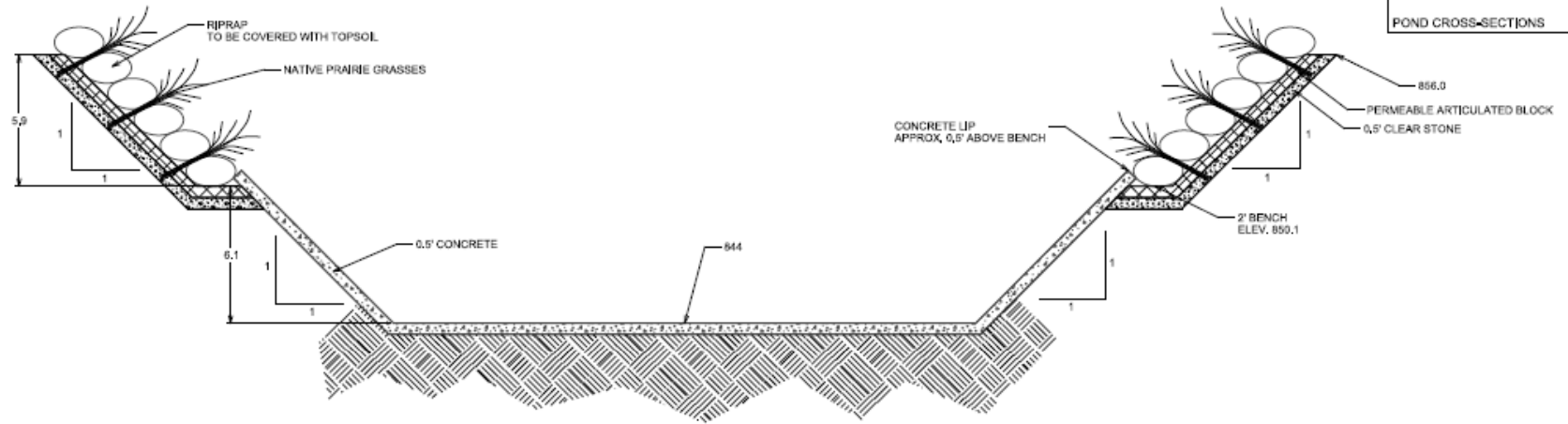




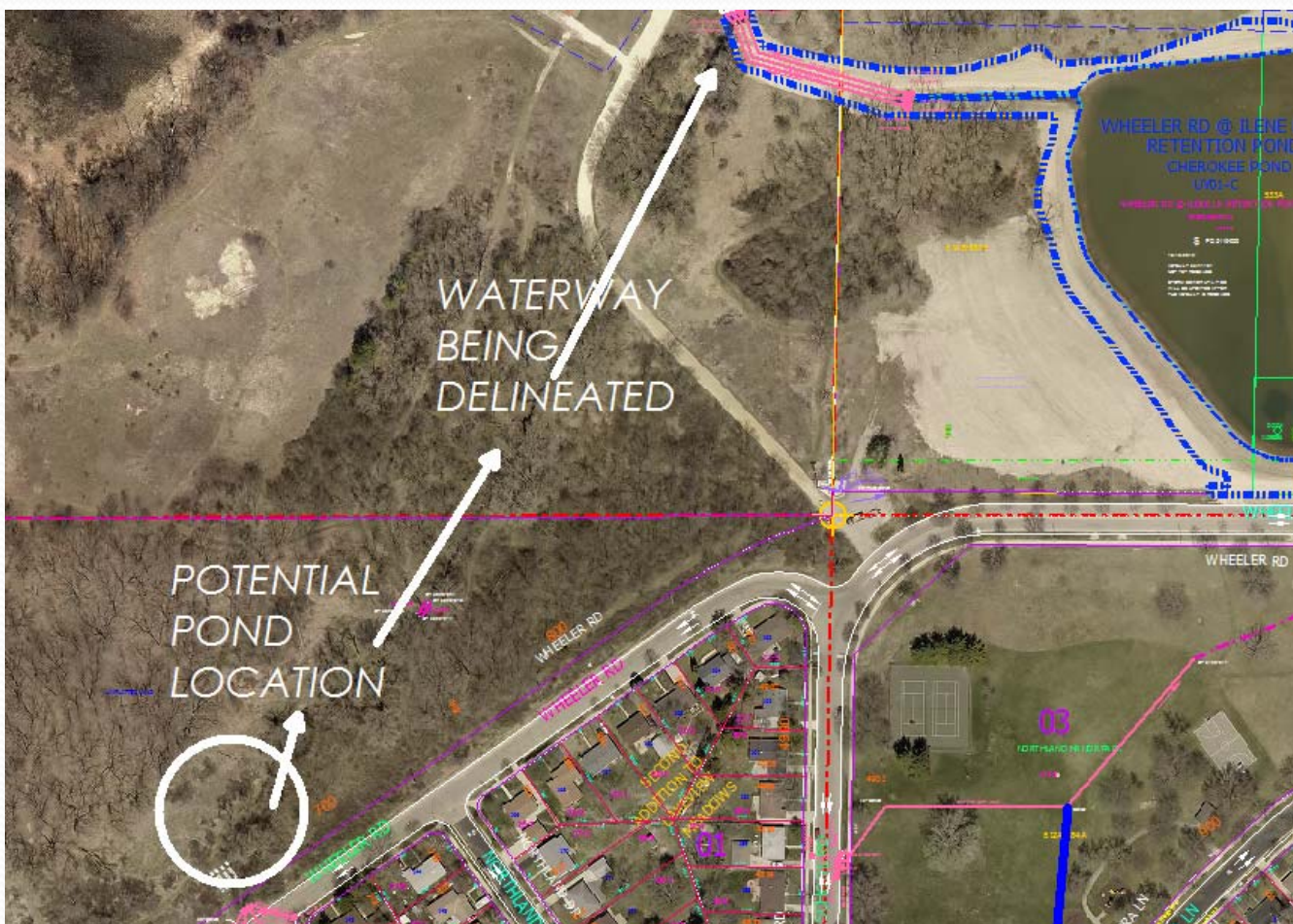
WILLOW CREEK TREATMENT  
PROJECT NO. 53W1734

DETAIL

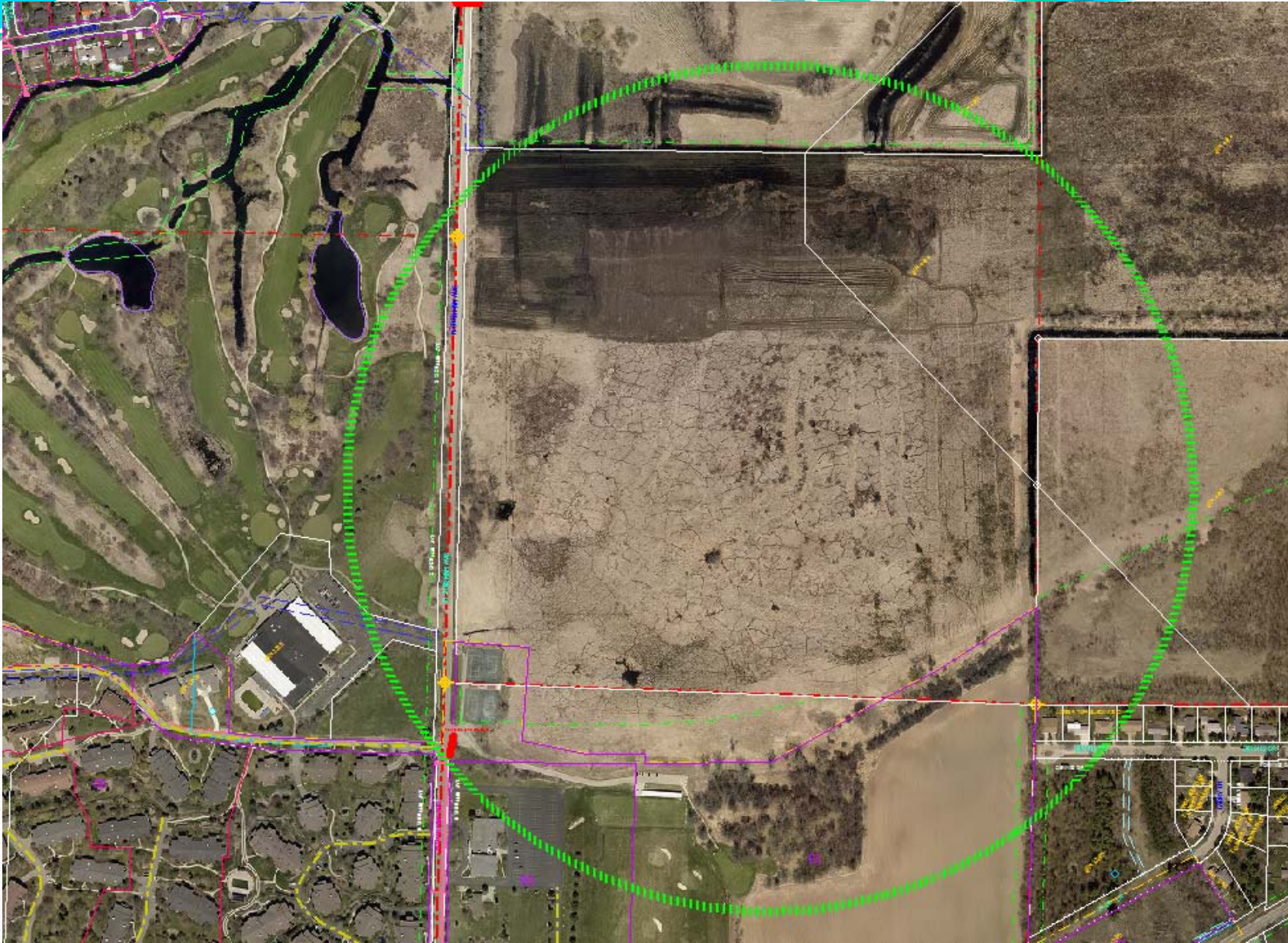
POND CROSS-SECTIONS



# Possible project in Cherokee



# MORE Cherokee





# WHERE DO WE GO FROM HERE?

- The City of Madison will continue to look for opportunities to treat our municipal separate storm sewer system within our corporate limits



# Questions?

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