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Title:	Storm Water Individual Permit Water Quality Improvement
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Storm Water Individual Permit Water Quality Improvement

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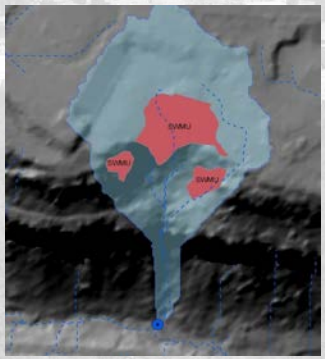
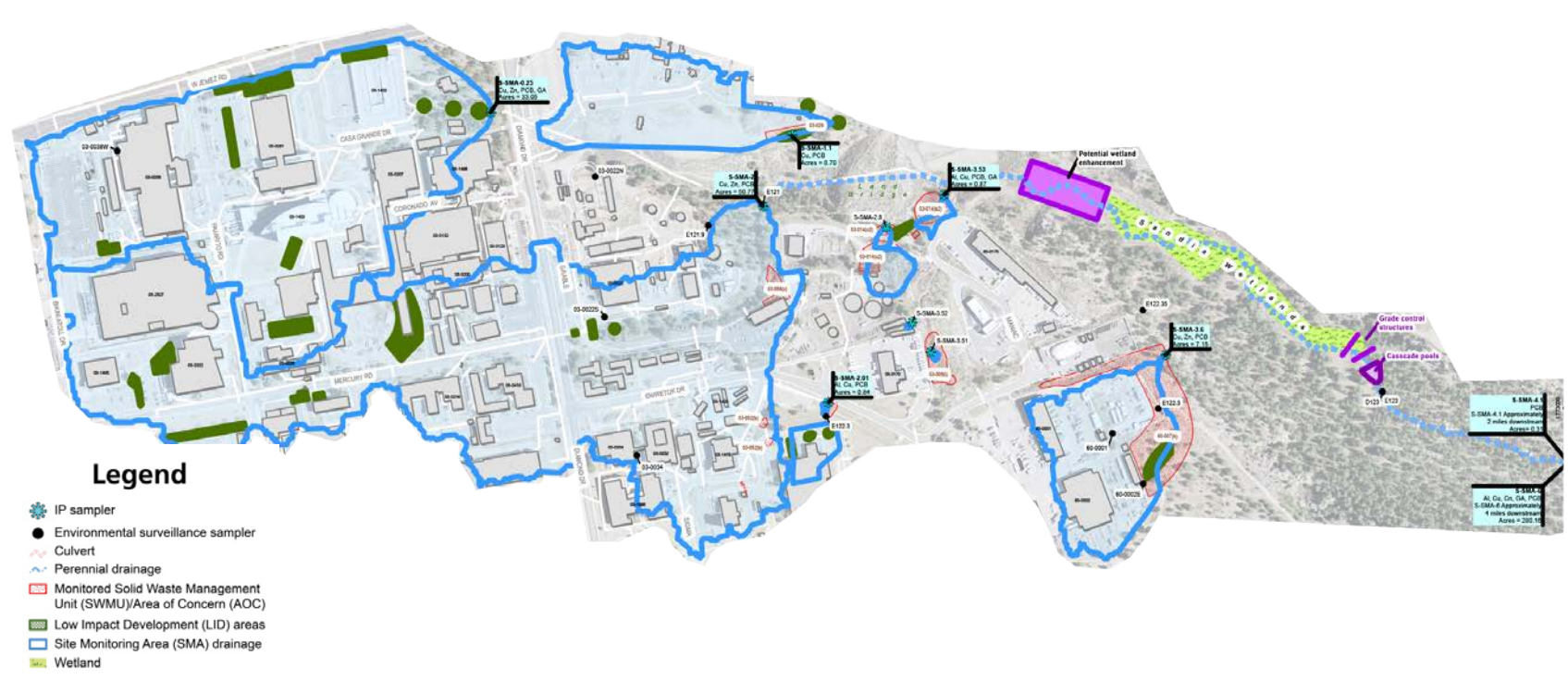
July 30, 2013

LANL Individual Permit

- 405 Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs)
- 250 Site Management Areas (SMAs)



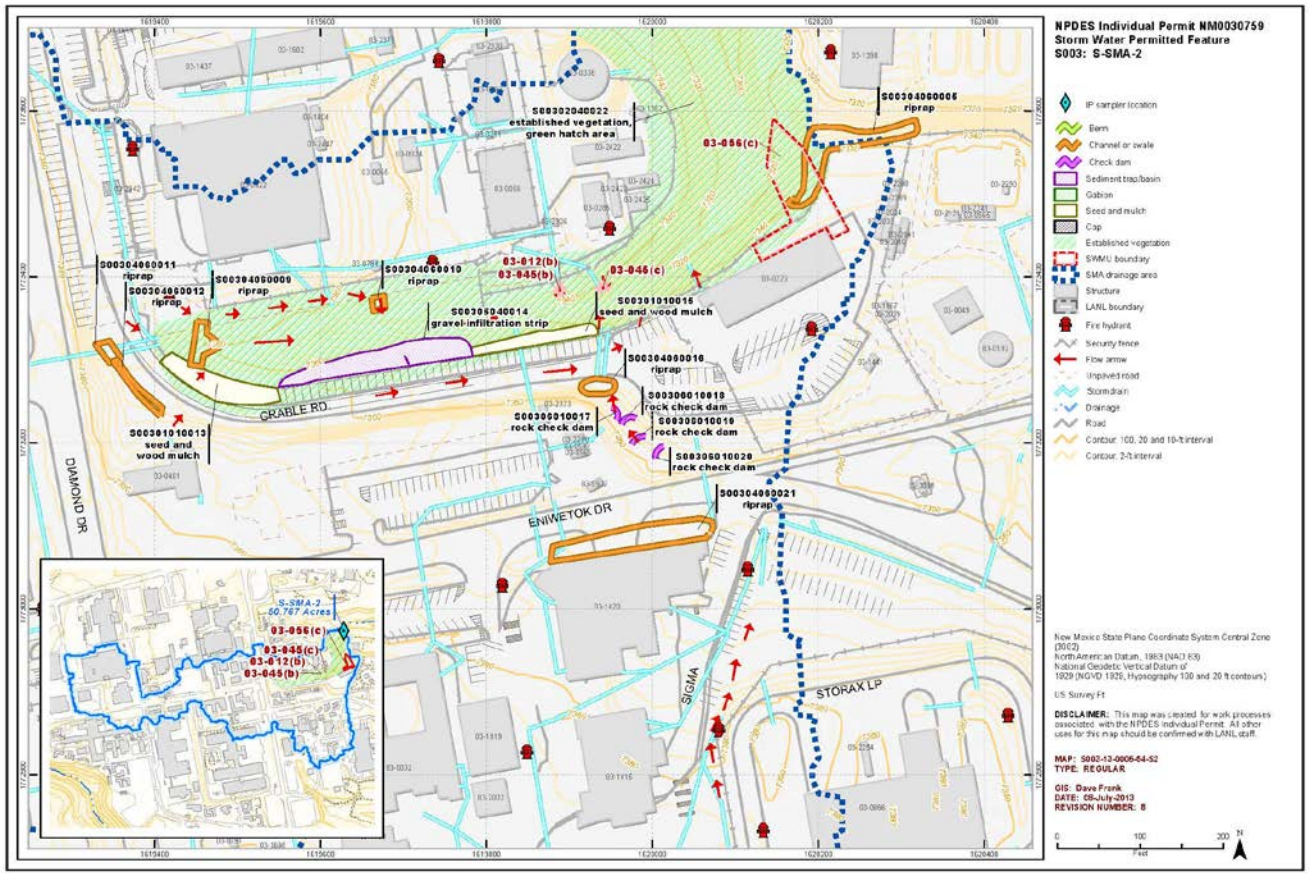
S-SMA-2.0



SWMU

- 03-056(c): Inactive former PCB equipment storage area
- 03-012(b): Power plant and cooling tower
- 03-045(b) and 03-045©: NPDES Permitted Outfall

Solid Waste Management Unit 03-056(c)



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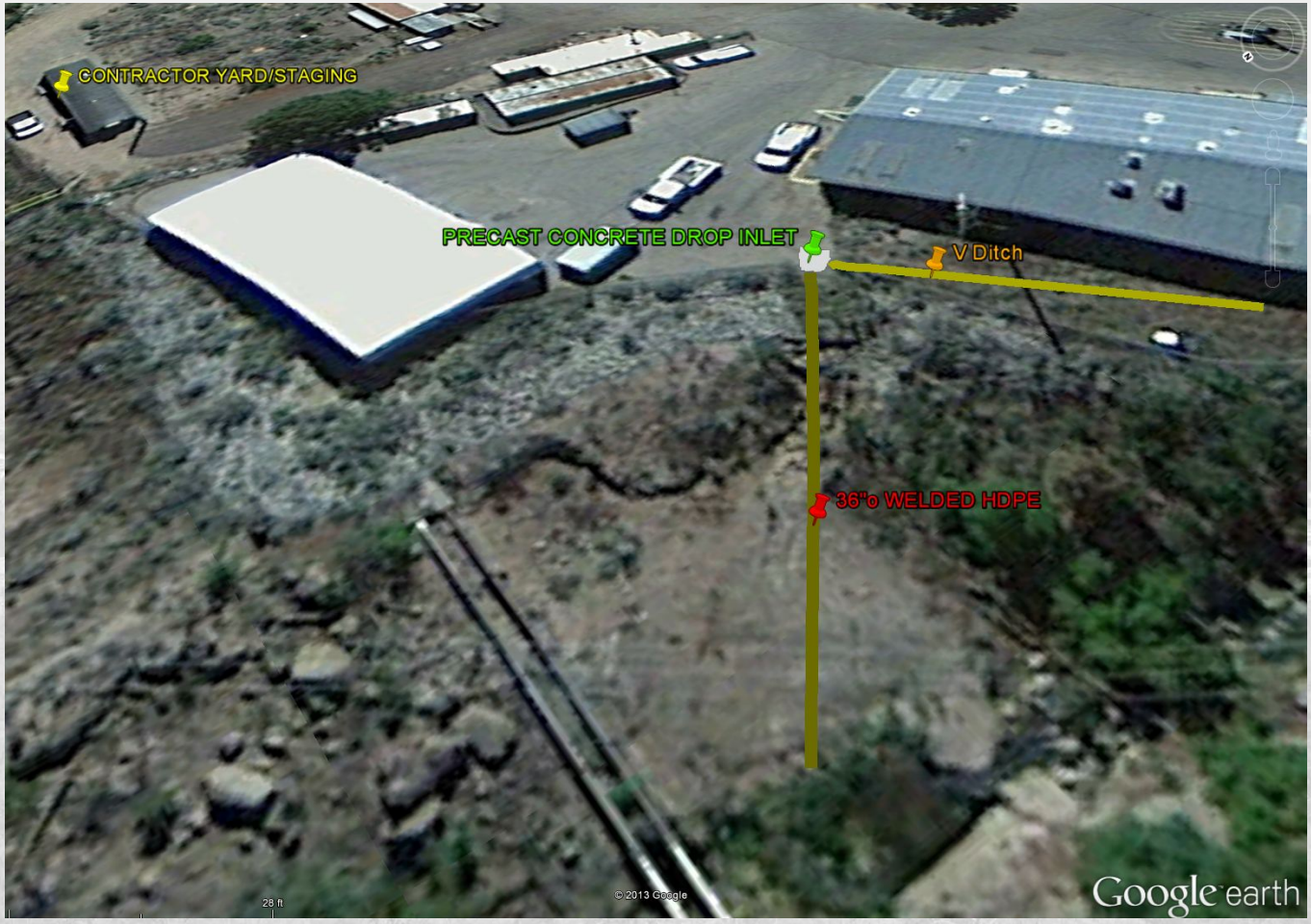
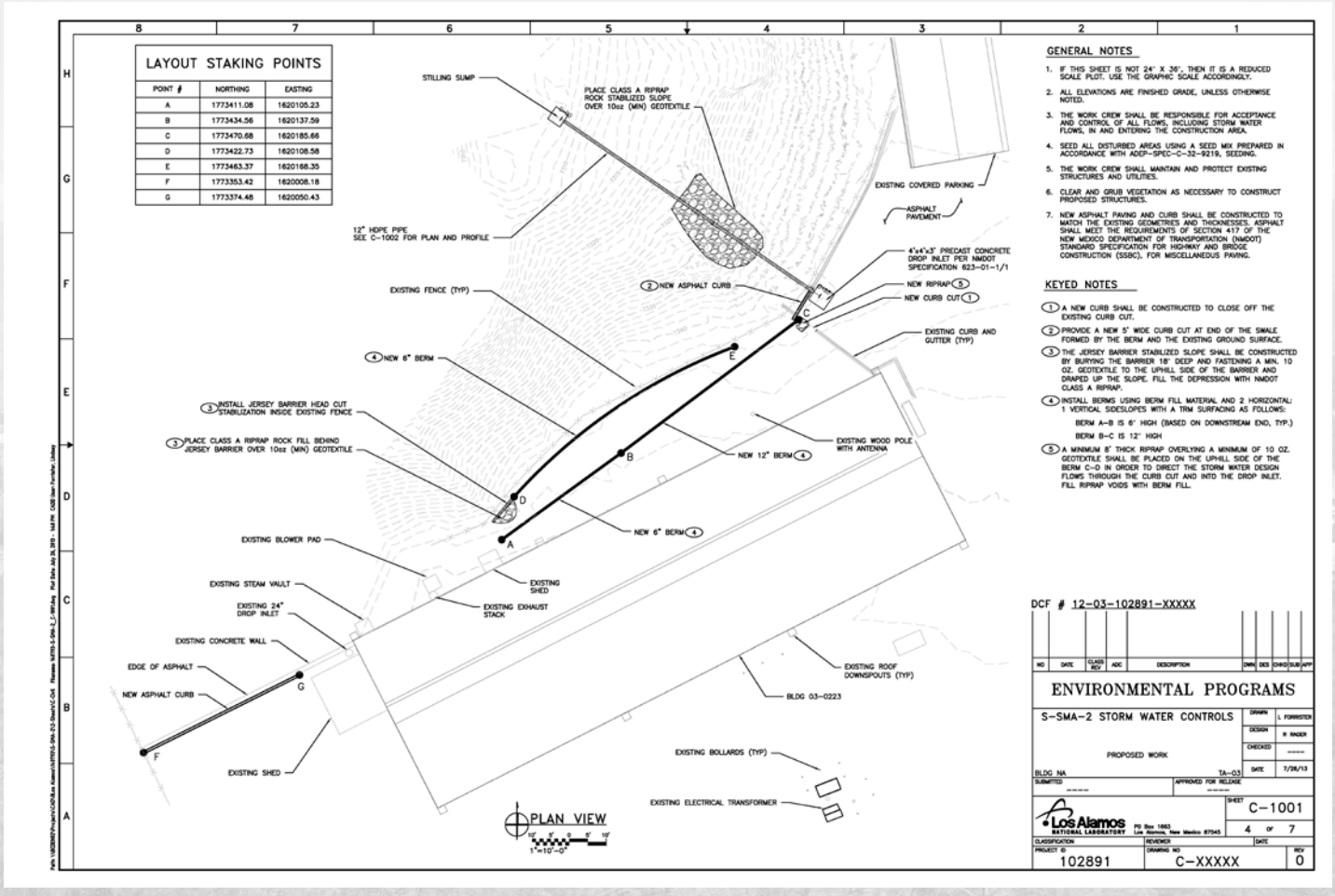
History of S-SMA-2.0

- Copper and zinc
  - Not associated with industrial materials historically managed at the stie
  - Common urban contaminants
- PCBs
  - Historical releases at Site 03-056(c)

No Exposure: Drop Inlet and Conveyance



Proposed Work



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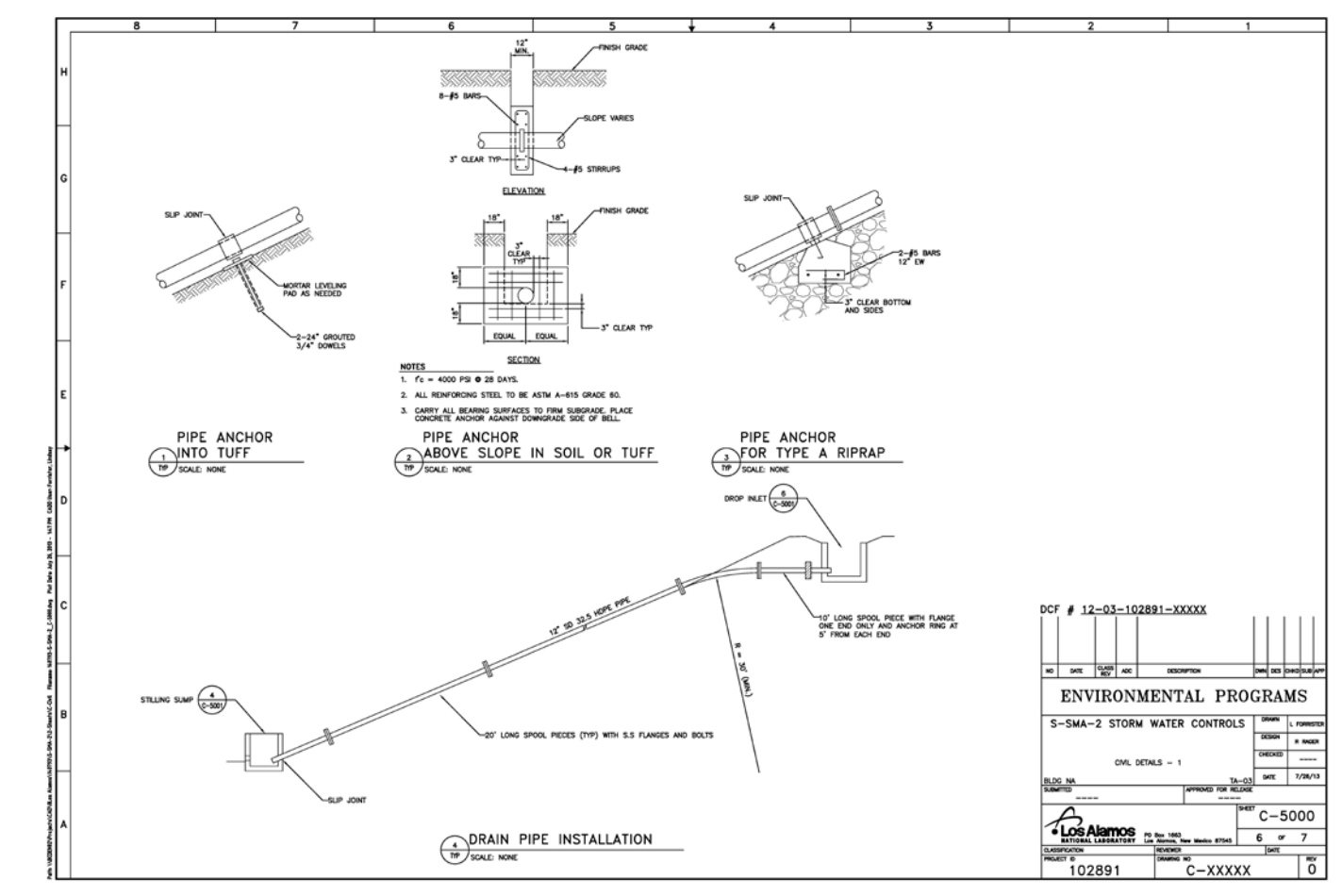
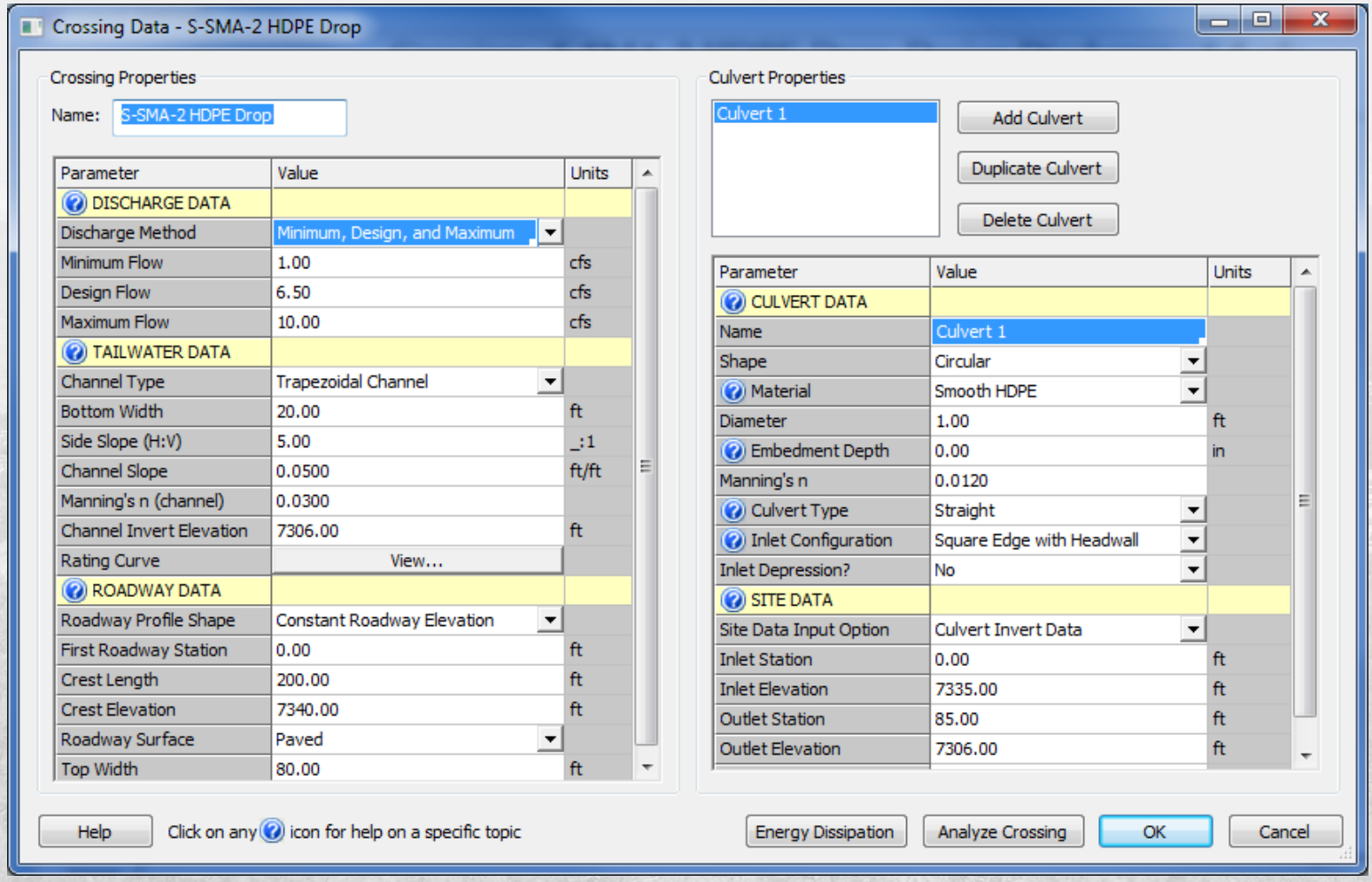
HY-8 Culvert Analysis for HDPE Pipe Sizing

- Provide a calculation to size the pipe needed to convey approximately 6.5 cfs of water over the slope.
- Determine the required inflow conditions and exit conditions as requirement for designing a drop inlet and outflow basin.

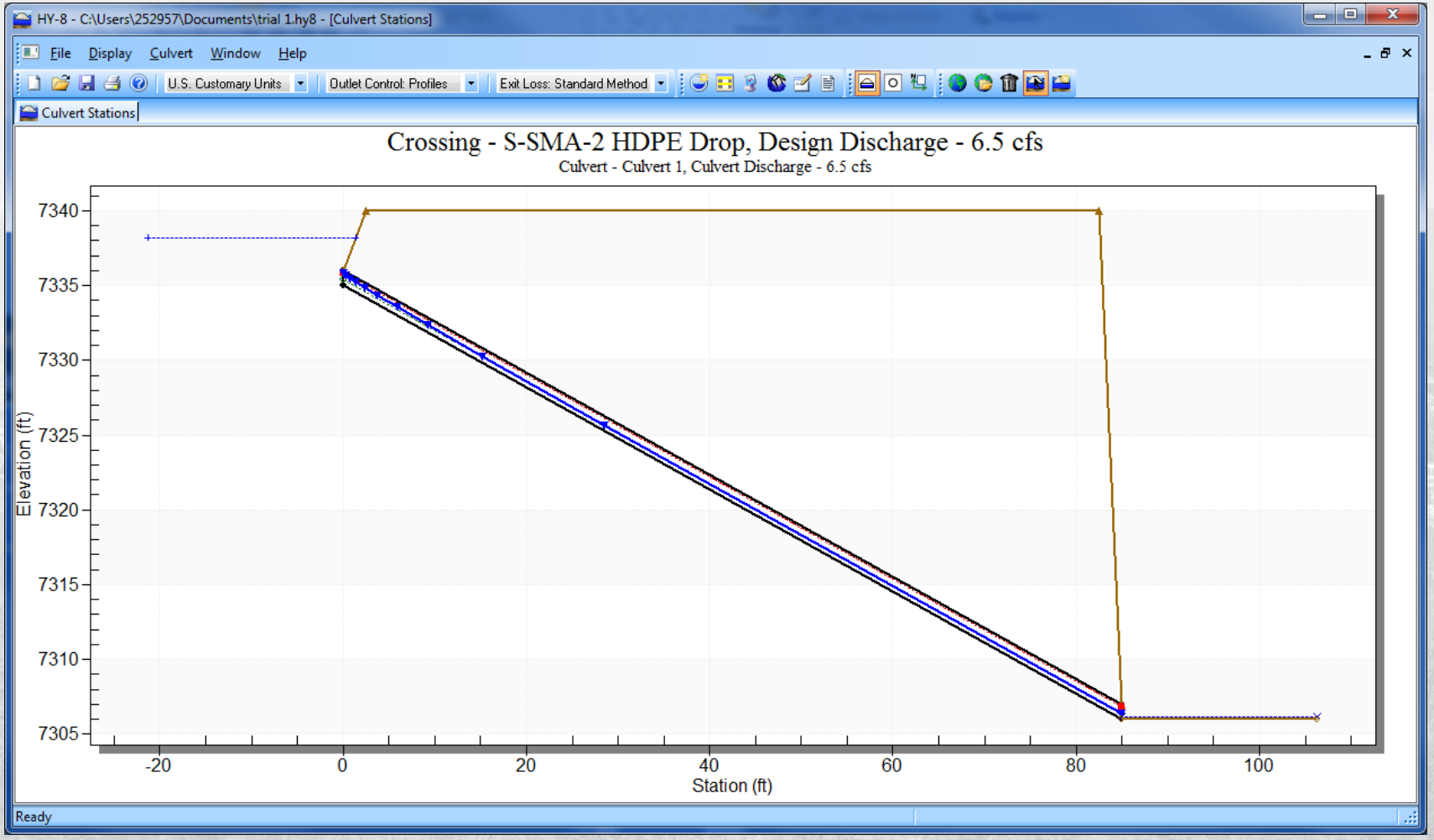
Design Requirements



HY-8 Culvert Analysis Data Input



HY-8 Culvert Analysis Data Output



Summary and Conclusion