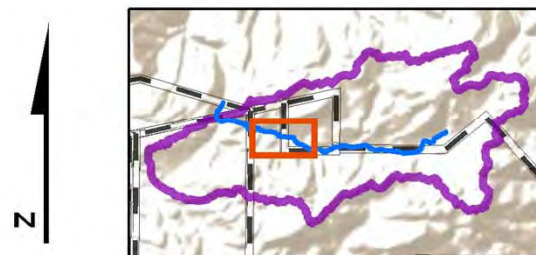




**Legend**

-  SWMM Nodes
-  HEC-RAS Cross Sections
-  NPDES Outfalls
-  Northern Drainage
-  Property Boundary



North Drainage Plan View  
Reach 3 of 7

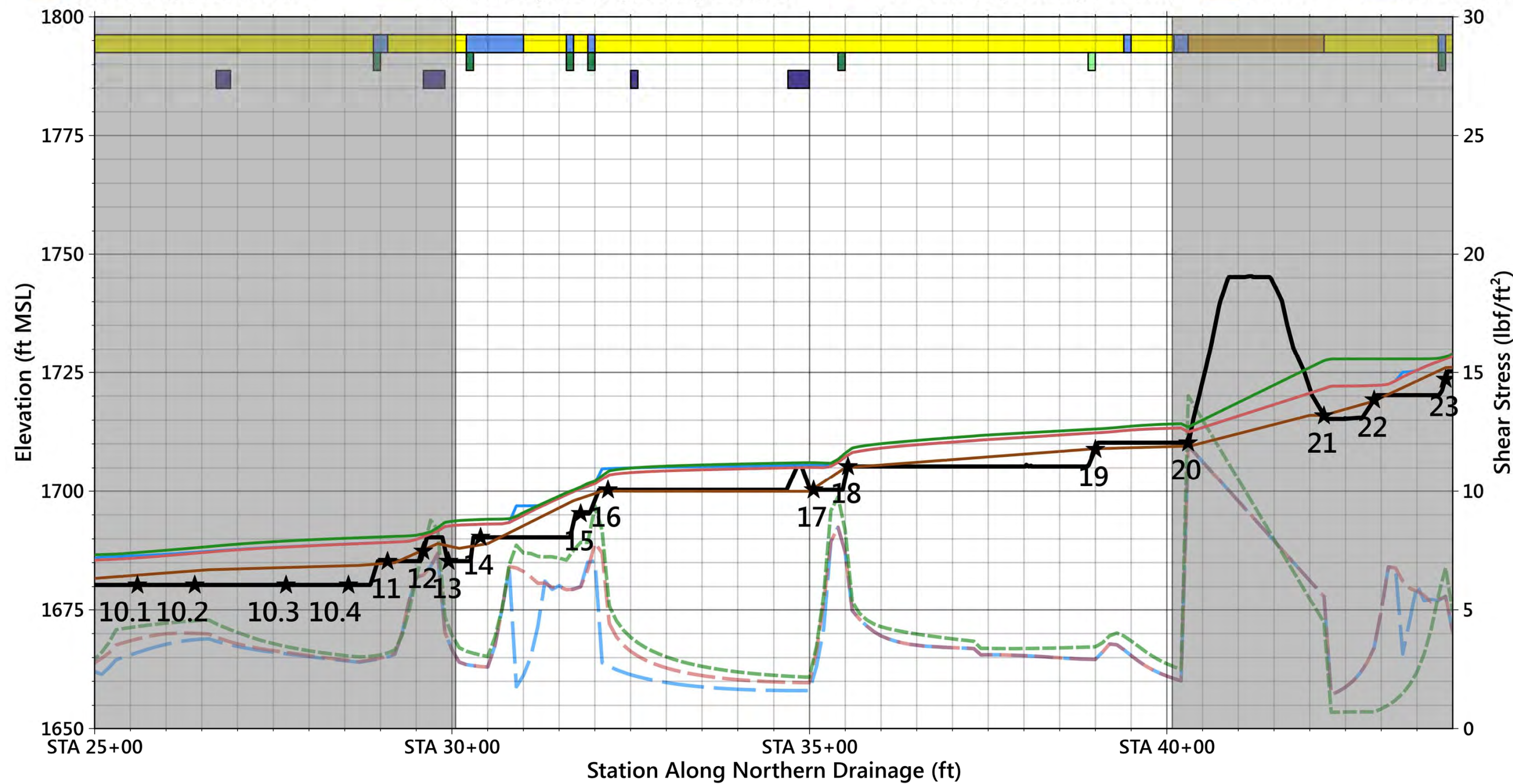
**Geosyntec**  
consultants

Santa Barbara

June 2011

Sheet  
4a

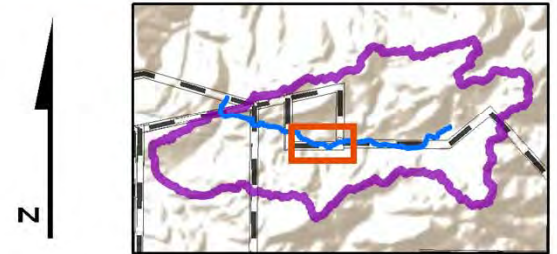
- ★ HEC-RAS cross sections
- Bed Elevation from previous survey
- Bed Elevation from HEC-RAS
- Water surface profile (5-yr, proposed conditions)
- Water surface profile (5-yr, existing conditions)
- Water surface profile (10-yr, existing conditions)
- - Shear stress (5-yr, proposed conditions)
- - Shear stress (5-yr, existing conditions)
- - Shear stress (10-yr, existing conditions)
- Deposition
- Scour
- Culverts
- Hard Nicks
- Soft Nicks
- Pinch Points





**Legend**

- SWMM Nodes
- HEC-RAS Cross Sections
- NPDES Outfalls
- Northern Drainage
- Property Boundary



North Drainage Plan View Reach 4 of 7	 consultants	Sheet 5a
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