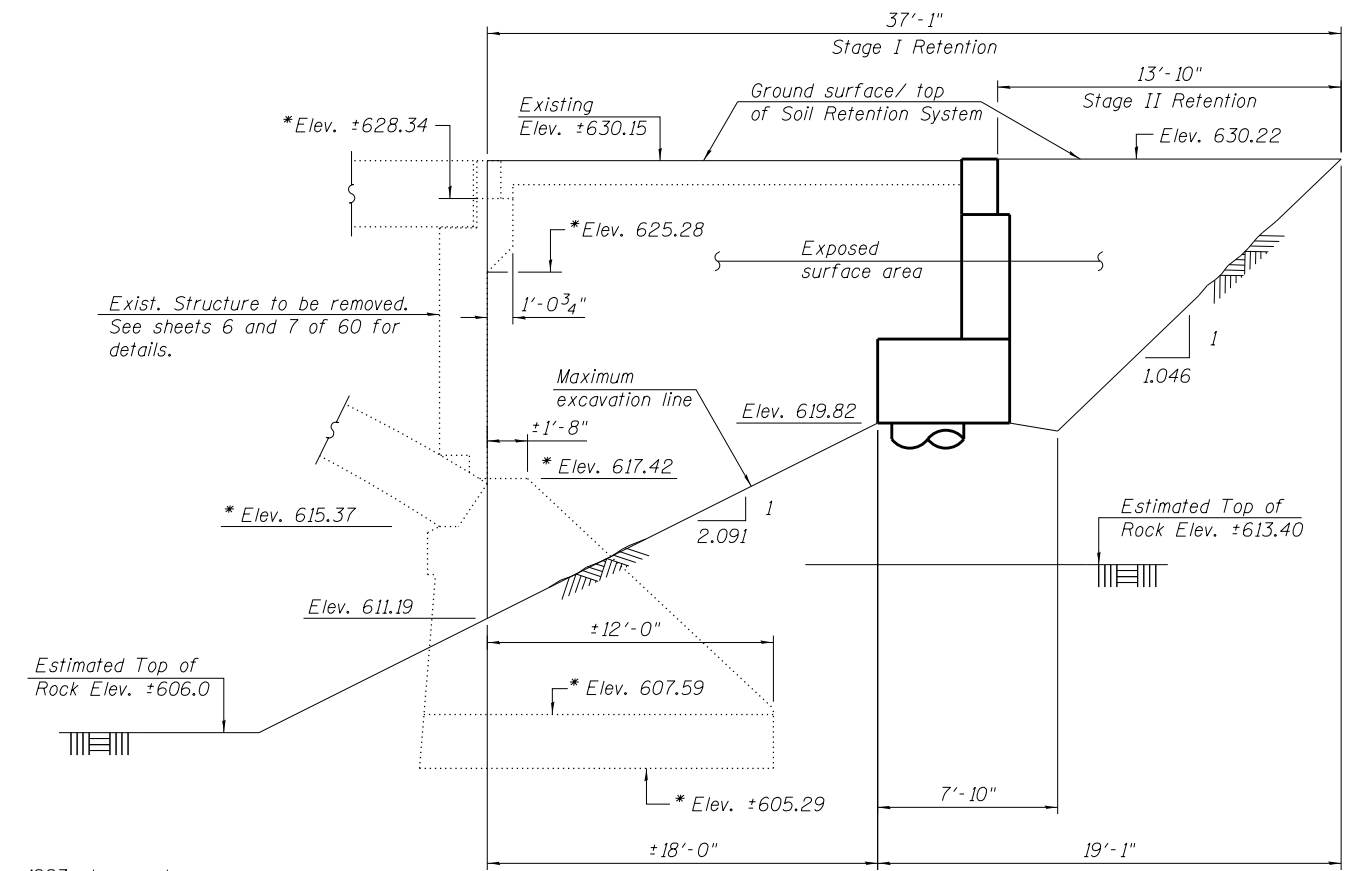


ELEVATION SOUTH ABUTMENT



ELEVATION NORTH ABUTMENT

* Existing elevations taken from 1983 plans and have not been adjusted to the NAVD 88 datum.

Notes:

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.
 The Temporary Retention System selected by the Contractor shall comply with the Special Provision for Construction Vibration Monitoring.
 All horizontal dimensions given are along the Stage Removal line.

BILL OF MATERIAL

Item	Unit	Total
Temporary Soil Retention System	Sq. Ft.	816