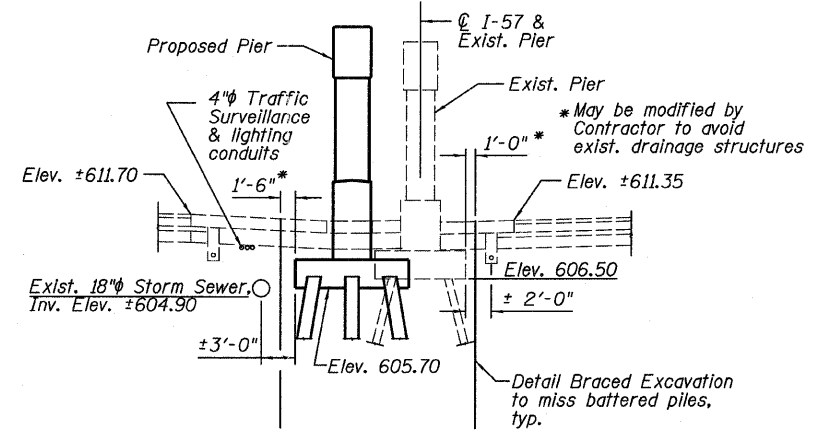


**TEMPORARY SOIL RETENTION SYSTEM AT ABUTMENTS**



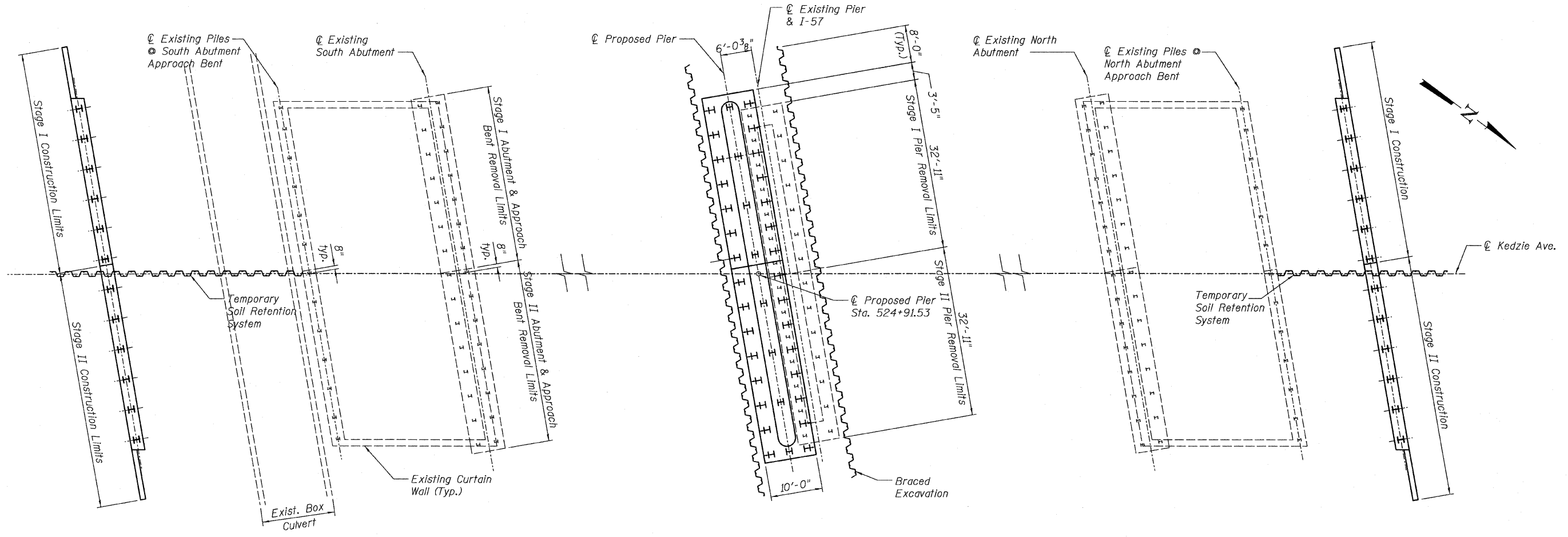
**BRACED EXCAVATION-PIER**  
(Looking West)

**NOTES:**

- Existing piles located under proposed foundations shall be cut-off 1'-0" below the bottom of proposed footing.
- Existing piles at each existing abutment and approach bent shall be cut-off to an elevation of 607.30.
- Contractor may adjust pile spacing to miss existing piles.
- 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.

**LEGEND:**

- = Existing Structure
- = Proposed Structure
- ⊥ = Proposed Battered Pile 2:12 (h:v)
- ⊥ = Proposed Pile
- ~ = Temporary Soil Retention System or Braced Excavation
- ⊥ = Existing Pile



**SUBSTRUCTURE LAYOUT**

<b>TYLIN INTERNATIONAL</b>	USER NAME =	DESIGNED - MDM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUBSTRUCTURE LAYOUT STRUCTURE NO. 016-1196</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - CME	REVISED -			57	1313.1B-1	COOK	162	65
	PLOT DATE = 5/5/2011	DRAWN - PMW	REVISED -			CONTRACT NO. 60K14				
		CHECKED - PDF	REVISED -			ILLINOIS FED. AID PROJECT				
SHEET NO. 4 OF 40 SHEETS										

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