

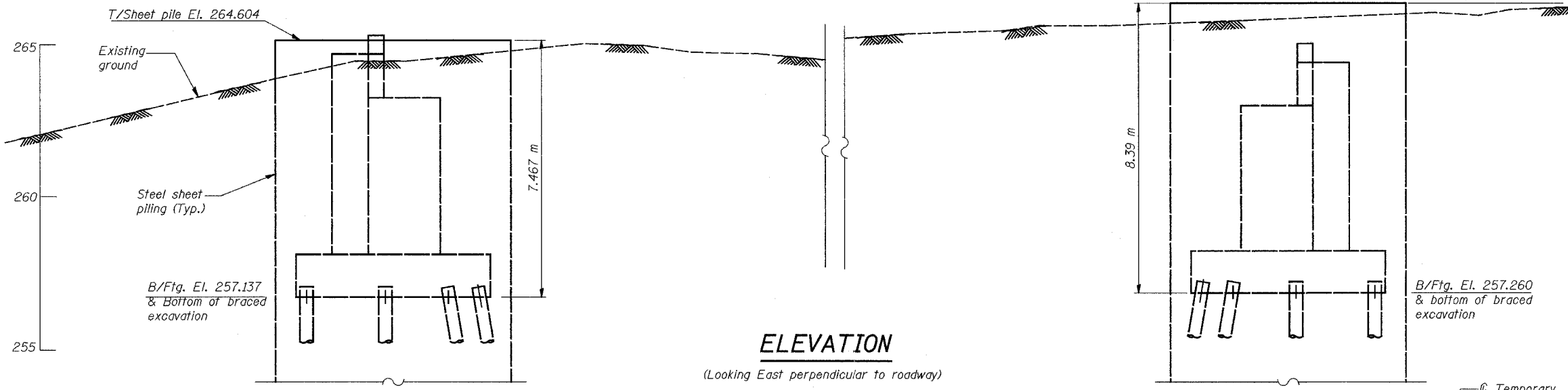
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 337	(19R-1)	LAKE	800	586
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 4
37 SHEETS

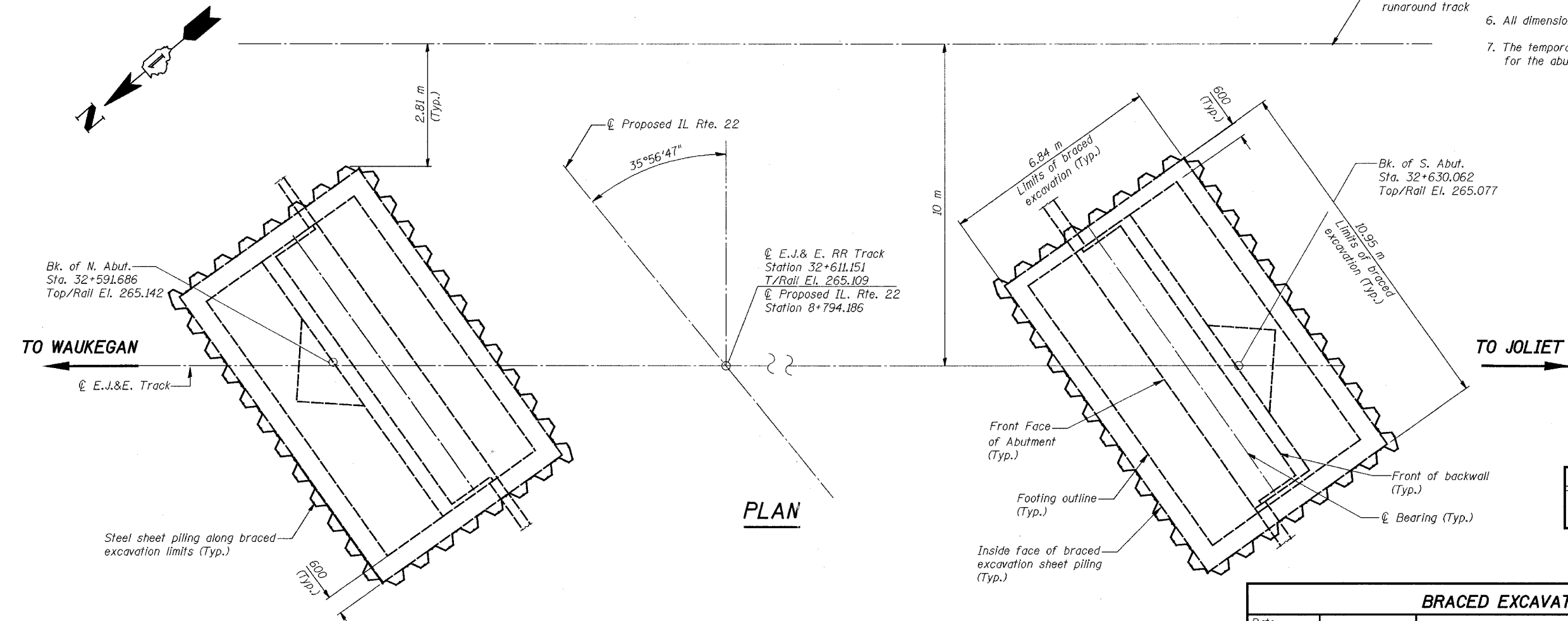
Notes:

- The Contractor shall submit design and detailed drawings for temporary sheeting and shoring for the braced excavation for approval of the Engineer. The drawings and the design shall be sealed by an Illinois Licensed Structural Engineer.
- The sheet piling shall be designed to support all lateral forces caused by the earth, railroad and other surcharge loads. The Railroad loading shall be E-356.
- The allowable stresses for the sheet piling, wales, struts shall be according to AREMA Chapter 15, Parts 1 and 2. These allowable stresses may be increased ten percent (10%) due to the temporary nature of the installation.
- The Contractor shall inform Railroad through the Engineer of the time schedule of each operation and obtain approval of the Railroad for all work to be performed adjacent to E&E track so that Railroad personnel may properly supervise it.
- The bracing members used for braced excavation will not be permitted to remain in the concrete abutment.
- All dimensions are in millimeter unless otherwise noted.
- The temporary sheet piling shall clear the battered piles for the abutment footing.



ELEVATION

(Looking East perpendicular to roadway)



PLAN

BILL OF MATERIAL

Item	Unit	Total
Braced Excavation	cu m	1,187.7

BRACED EXCAVATION DETAILS

Date	Designed EV	ELGIN, JOLIET & EASTERN RY. CO. BRIDGE OVER ILLINOIS ROUTE 22 F.A.P. ROUTE 337 SECTION (19R-1) LAKE COUNTY STATION 32+611.151 STRUCTURE NO. 049-0188	Sheet No. 4 of 37
Revisions	Drawn EV		
	Checked NPP		
	Approved NPP		
	Prepared By: URS		