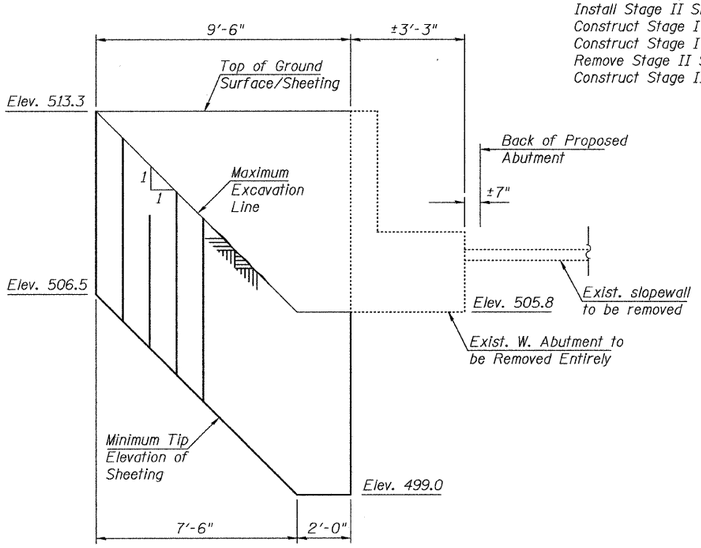
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 287	*	GRUNDY	33	9
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 4
25 SHEETS

Contract #87376 *05-00039-03-BR

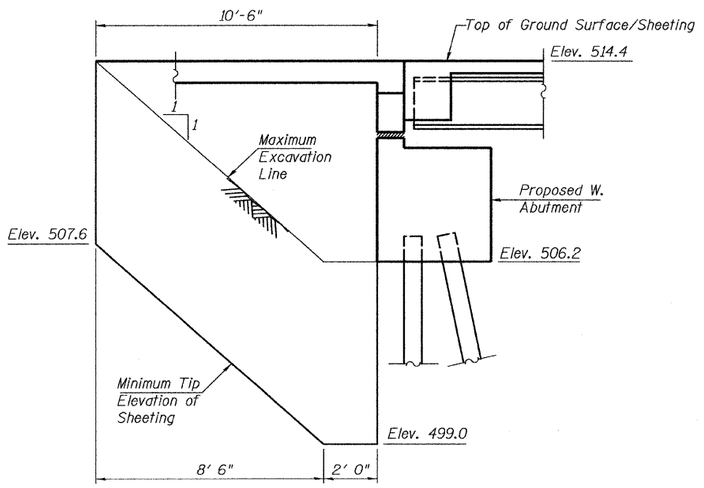
W. Abutment Removal and Construction Sequence

Remove existing Stage I Superstructure
Sawcut existing abutment at Stage Removal Line
Install Stage I Sheeting
Excavate behind Stage I Abutment Removal
Remove existing abutment to Stage Removal Line
Install Stage II Sheeting as required
Construct Stage I Abutment
Construct Stage I Superstructure
Remove Stage II Superstructure and Abutment
Construct Stage II Abutment and Superstructure



STAGE I SHEETING

Min. Section Modulus = 4.8 $in^3/ft.$

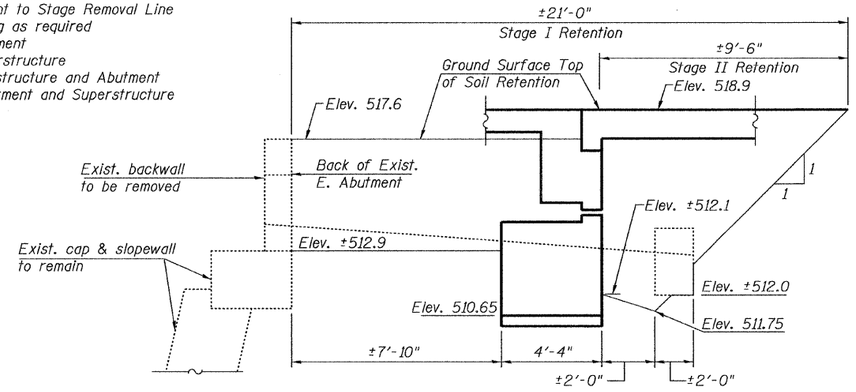


STAGE II SHEETING

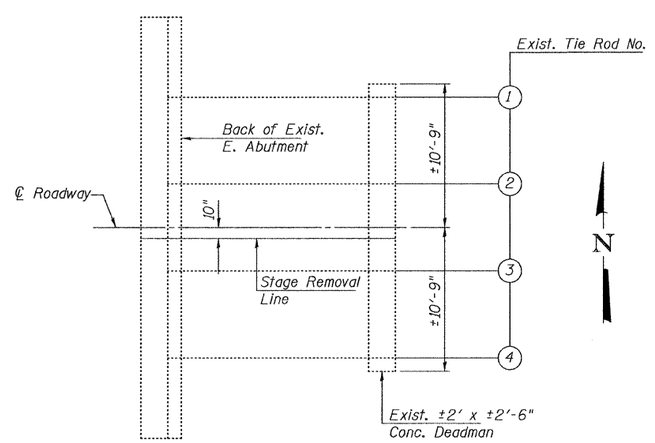
Min. Section Modulus = 4.8 $in^3/ft.$

TEMPORARY SHEET PILING DETAILS

West Abutment



SECTION AT EAST ABUTMENT



PLAN

Showing existing tie rod locations

TEMPORARY SOIL RETENTION DETAILS

East Abutment

E. Abutment Removal and Construction Sequence

Remove existing Stage I Superstructure
Sawcut existing abutment backwall at Stage Removal Line
Install Stage I Temporary Soil Retention System
Cut Deadman Tie Rods 3 and 4 (See Plan View)
Excavate behind abutment as required for Stage I backwall removal and Stage I Abutment Construction
Remove backwall and Deadman to Stage Removal Line
Install Stage II Temporary Soil Retention System as required
Construct Stage I Abutment
Construct Stage I Superstructure
Remove Stage II Superstructure
Cut Deadman Tie Rods 1 and 2 (See Plan View)
Remove Stage II Abutment
Construct Stage II Abutment and Superstructure

Note:
A cantilevered sheet piling design does not appear feasible at the East Abutment 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.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE: TEMPORARY CONSTRUCTION WORKS

PROJECT: F.A.S. RT. 287 (C.H. 29)
SECTION 05-00039-03-BR
GRUNDY COUNTY
STATION 126+42.00
STRUCTURE NO. 032-3101

PROJECT NO. 05042
SCALE
DATE 8/27/09
DRAWN BY TFG
CHECKED BY MCB/CME
DRAWING NO. 4

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

OF 25 SHTS

PLOT DATE = 08/27/2009
FILE NAME = ...\Abridge-plans\sht-04-piling.dgn
PLOT SCALE = 20.0000 '/ IN.
USER NAME = CFC