

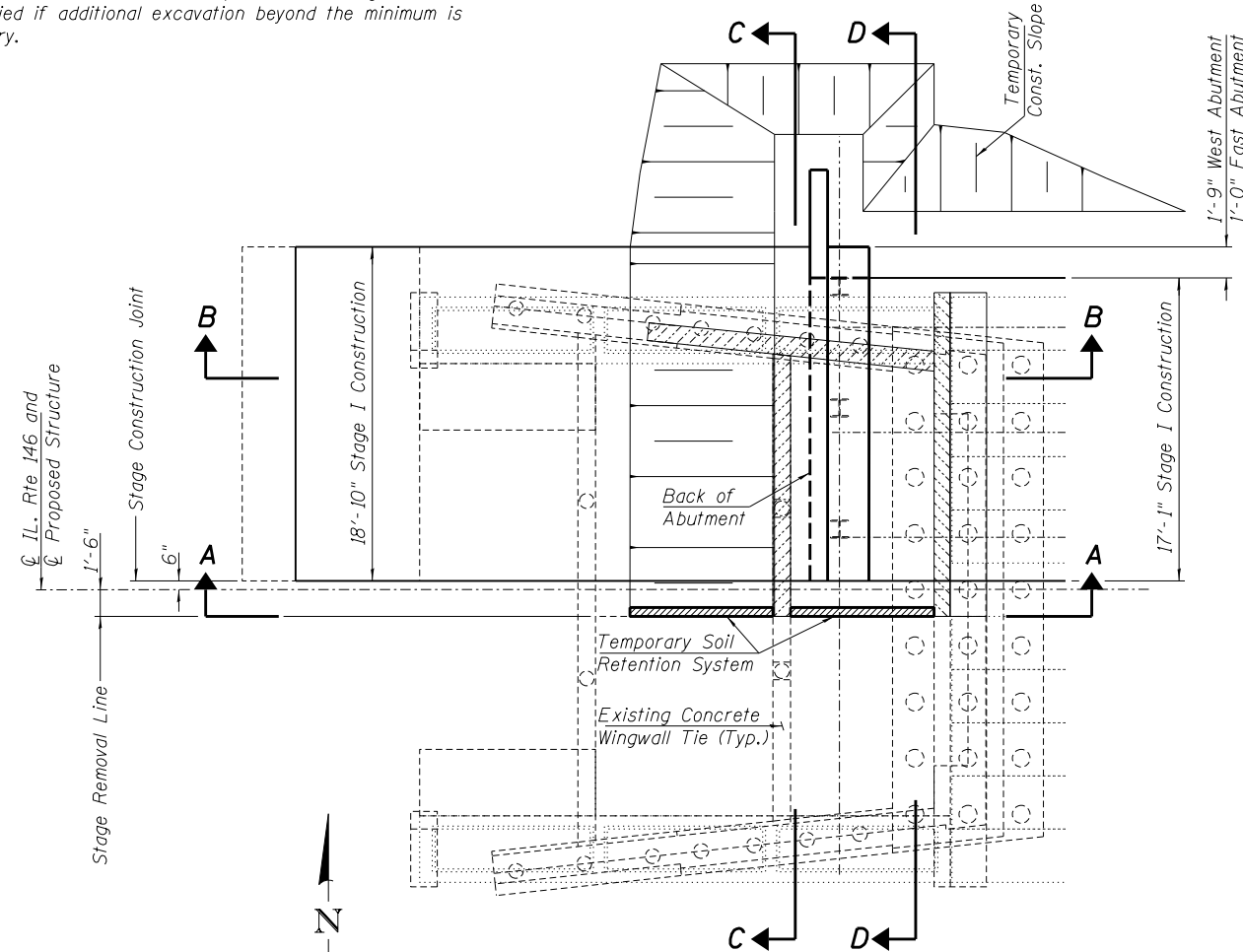
Notes:

Excavation that is required to remove portions of the Existing Closed Abutments and to construct New Abutments, shall be the minimum amount required. The Engineer shall be notified if additional excavation beyond the minimum is necessary.

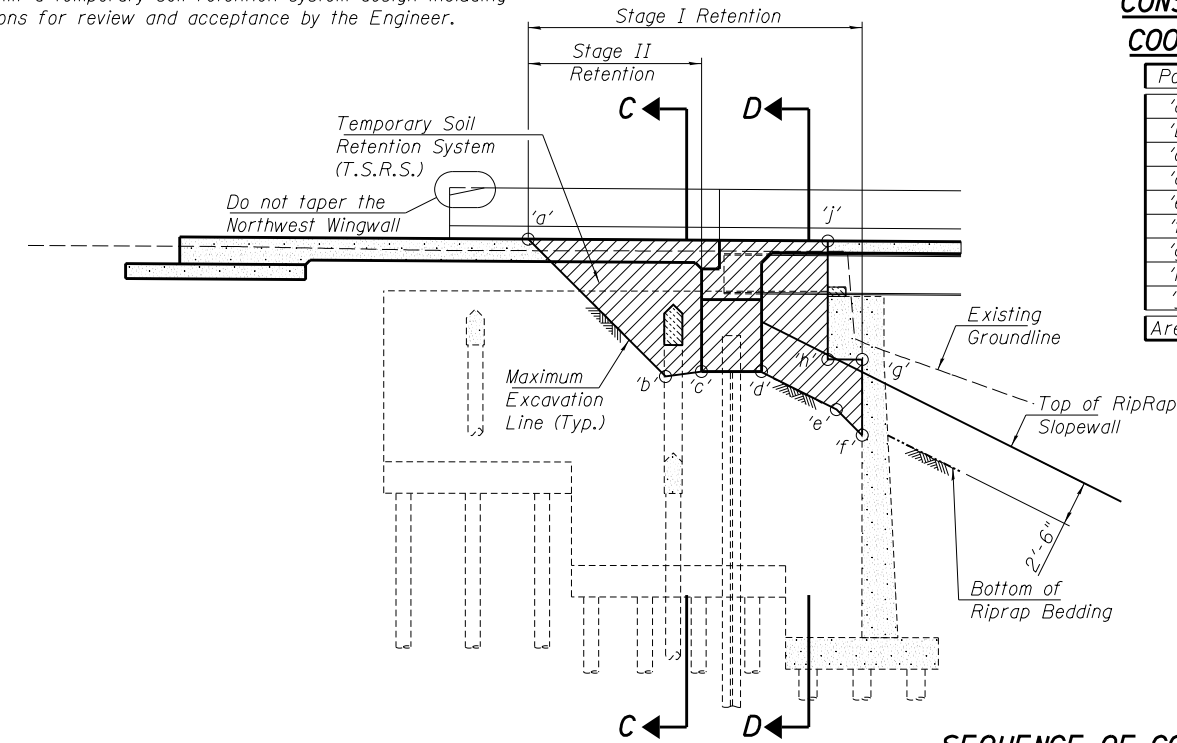
A cantilevered sheet piling design does not appear feasible at the West Abutment and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

T.S.R.S. CONSTRUCTION LIMITS COORDINATE VALUES

Point	'X' (Dist.)	'Y' (Dist.)
'a'	0.00	0.00
'b'	7.63	-7.63
'c'	9.63	-7.36
'd'	12.97	-7.36
'e'	17.14	-9.47
'f'	18.56	-10.90
'g'	18.56	-6.69
'h'	16.65	-6.69
'j'	16.65	-0.10
Area	Sq. Ft. = 105	



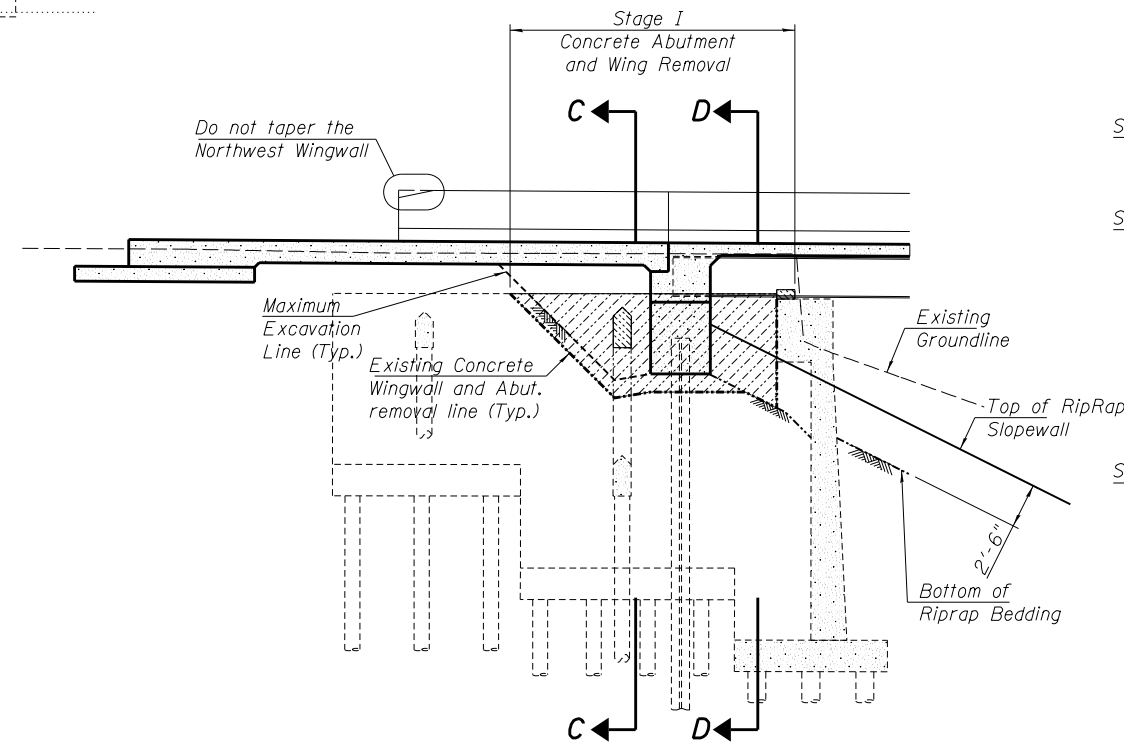
PLAN - STAGE I CONSTRUCTION
(W. Abutment Shown, East Abutment Similar)



SECTION A-A

SEQUENCE OF CONSTRUCTION

- Stage I Removal**
- Shift all traffic to the south side of the existing bridge.
 - Remove existing superstructure and approach slabs on the north side of the existing bridge.
 - Provide Temporary Soil Retention System at each abutment area.
 - Excavate north side abutment areas to their required limits.
 - Remove northern portion of concrete wingwall tie and complete closure of the Temporary Soil Retention System.
 - Remove northern portions of existing wingwalls and abutment backwalls as shown in the plans, and remove northern portion of existing pier cap.
- Stage I Construction**
- Construct northern portions of new substructures, superstructure and approach slabs.
- Stage II Removal**
- Shift all traffic to the newly completed north bridge and approach portion.
 - Remove existing superstructure and approach slabs of the remaining southern portion of the existing bridge.
 - Excavate remaining southern portions of abutment areas to their required limits.
 - Remove remaining portions of existing wingwalls, wingwall ties, abutment caps, abutment front walls as shown in the plans and completely remove the existing pier.
- Stage II Construction**
- Complete remainder of new substructures and superstructure.
 - Complete remainder of the new abutment backfills and underdrain systems, and remove Temporary Soil Retention Systems.
 - Complete remainder of the new approach slabs.



SECTION B-B

LEGEND

- Existing Concrete to be removed during Stage I Construction.
- Indicates exposed area of Temporary Soil Retention System.

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PROFESSIONAL DESIGN FIRM LICENSE #184-001084 © Copyright Hanson Professional Services Inc. 2014	USER NAME = dwd01573	DESIGNED - MNM	REVISED -
		CHECKED - Rod	REVISED -
	PLOT SCALE =	DRAWN - Rod	REVISED -
	PLOT DATE = 03/01/2014 10:50:24 AM	CHECKED - MNM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS (Sheet 1 of 2)
STRUCTURE NO. 044-0061**

SHEET NO. 04 OF 29 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	110B-1	JOHNSON	52	27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78279	

