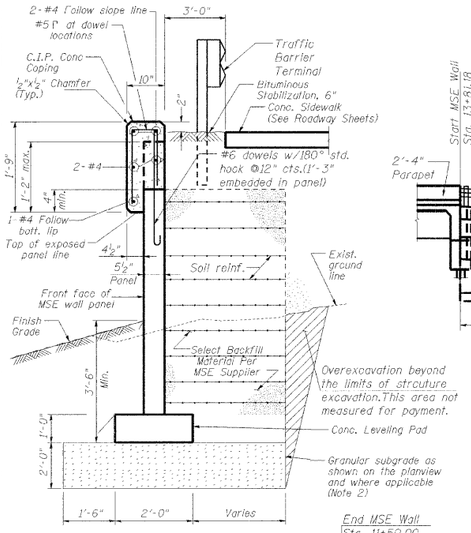
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	72	44
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. S-25
SHEETS 33

Project No. BROS-D001(641)
Contract No. 63080



WALL TYPICAL SECTION

Conc. Leveling Pad and Coping Labor & Material included in the cost of "Mechanically Stabilized Earth Retaining Wall".

BILL OF MATERIAL

	ITEM	UNIT	QUANTITY
*	Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	3,258
	Structure Excavation	Cu. Yd.	1,400
*	Stone Columns 2'-6" dia.	Ft.	1,481
*	Porous Granular Embankment, Subgrade	Cu. Yd.	222

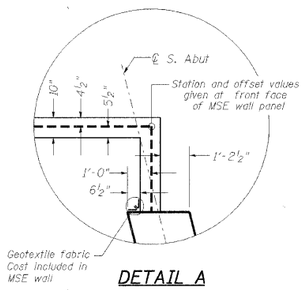
*Denotes Special Provision Item

MSE WALL FINISH

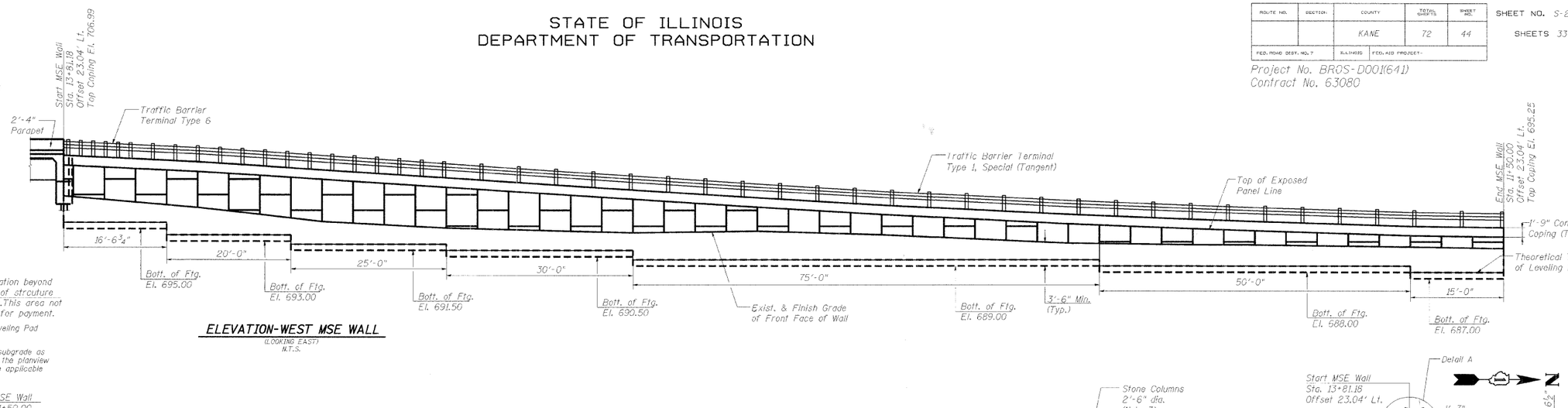
The MSE wall finish shall be Ashlar Stone as Manufactured by "The Reinforced Earth Company" or equal. Approved by City of Aurora.

ALLOWABLE GROSS BEARING PRESSURE

2,500 PSF

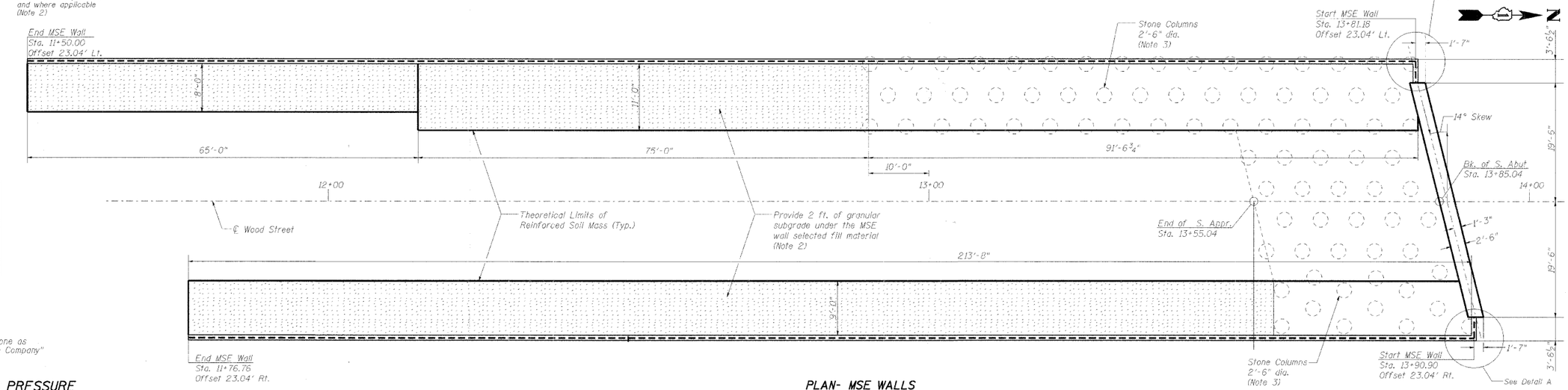


DETAIL A



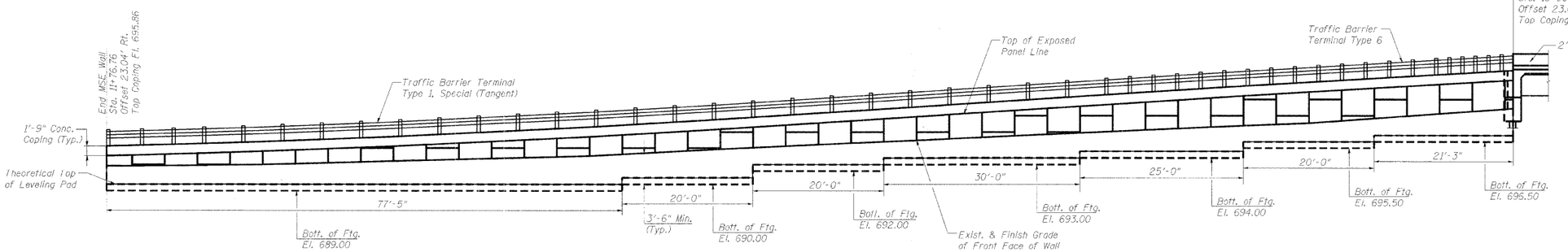
ELEVATION-WEST MSE WALL

(LOOKING EAST) N.T.S.



PLAN- MSE WALLS

N.T.S.



ELEVATION-EAST MSE WALL

(LOOKING WEST) N.T.S.

NOTES:

1. The bottom of foundation elevations shown on the plans are for estimate purposes only. The Contractor shall verify the proper wall foundation location as recommended by the MSE Wall Manufacturer.
2. Some areas of the MSE wall excavation may be sufficiently recompacted and densified so as to not need the undercut and granular subgrade. At the direction of MSE Wall Suppiler and Engineer, these areas shall be deleted from the bill of material.
3. See special provisions for stone columns for performance criteria.
4. The target bottom elevation of the stone columns is estimated at 675.00. This elevation is to be verified by the MSE and Stone Column Designers.

DESIGNED	
CHECKED	
DRAWN	
CHECKED	

200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

REVISIONS NAME	DATE

CMT
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO
ROCKFORD, IL ■ PEORIA, IL ■ CHICAGO, IL

ILLINOIS DEPARTMENT OF TRANSPORTATION

MSE WALL DETAILS
WOOD ST. BRIDGE OVER B.N.S.F. R.R. AND INDIAN CREEK
SECTION -BR STATION 15+24.92
KANE COUNTY STRUCTURE NO. 045-6022

SCALE:
DATE: SEPTEMBER 2008
DRAWN BY: MCC
CHECKED BY: ATI

WOOD STREET SEC