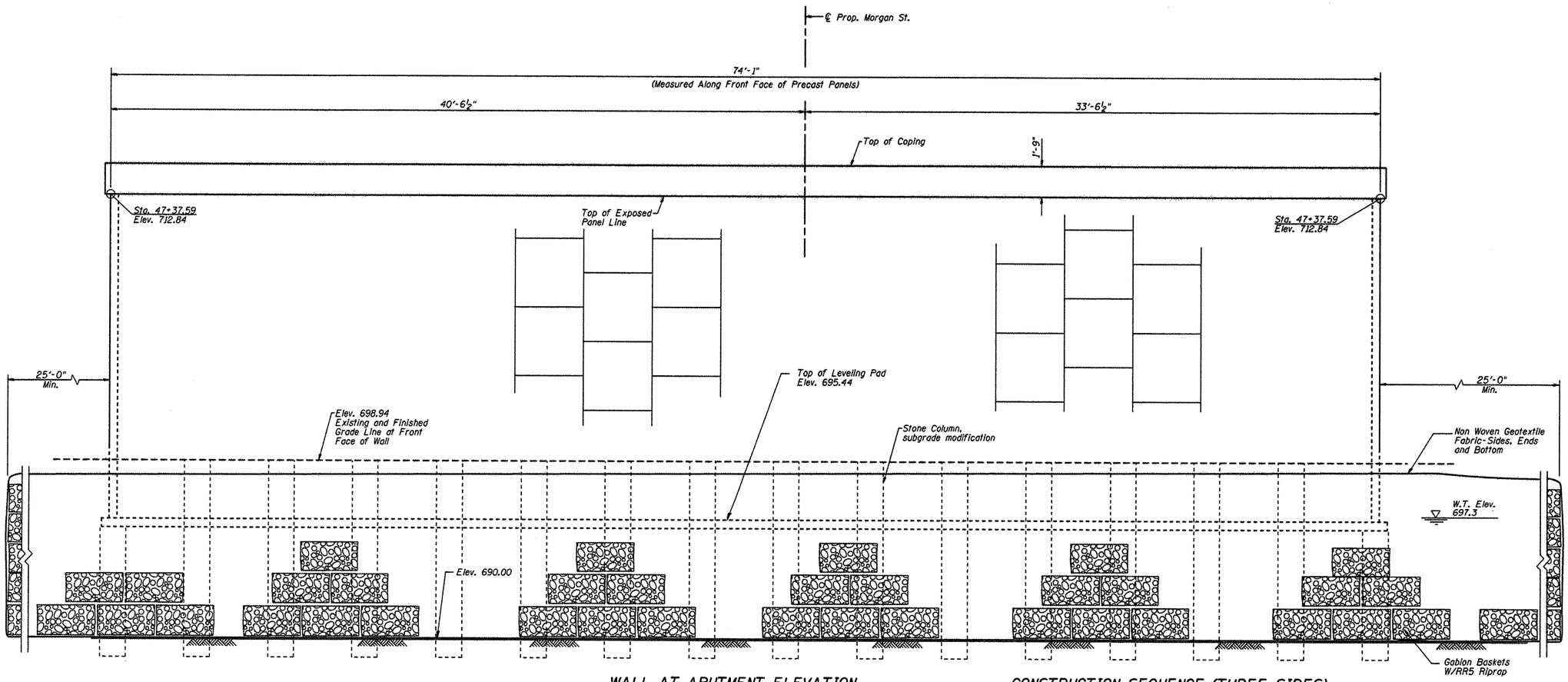

WALL AT ABUTMENT ELEVATION

(Looking West)

CONSTRUCTION SEQUENCE (THREE SIDES)

1. This sequence to commence following removal of existing structure.
2. Excavate existing material to elevation 690.00. Horizontal limits to be in accordance with plan view.
3. Sides of excavation can be open excavated in accordance with OSHA 29 CFR 1926.
4. Install Gabion baskets with RR-5 Riprap Material to limits shown on the plan.
5. Outside limits of excavation: backfill and compact open excavated sides with existing material.
6. Inside limits of excavation, adjacent to the MSE wall footings: backfill with CA-7 material.
7. Furnish and install subgrade modification system to consist of Aggregate Ground Improvement elements in accordance with the drawings and Special Provisions. Limits of Aggregate Ground Improvement system to be in accordance with the plan view shown on the drawings or as modified by the approved submittal from the Aggregate Ground Improvement Contractor.
8. Construct MSE wall system to the lines and grades shown.
9. Construct remaining bridge approach embankment to the lines and grades shown.
10. Post install any remaining RR-5 Riprap between face of MSE wall and face of Gabion baskets to lines and grades shown, three sides thus.

AGGREGATE COLUMN GROUND IMPROVEMENT PERFORMANCE CRITERIA

1. Maximum total settlement not to exceed 1 inch (differential settlement 0.6 inch) after completing wall and embankment construction.
2. Bearing Capacity 3,500 psf minimum.
3. Seismic Data:
   a. Seismic Performance Category (SPC) = A
   b. Horiz. Bedrock Acceleration Coefficient (A) = 0.033g
   c. Site Coefficient (S) = 1.2

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HNTB

DESIGNED	- PA, JDJ, BPD, CJW	REVISED	-
DRAWN	- GLD	REVISED	-
CHECKED	- RJK	REVISED	-
DATE	- 02/04/2011	REVISED	-

CITY OF ROCKFORD
MORGAN STREET BRIDGE

MSE WALL DETAILS – IV
STRUCTURE NO. 101-6108

SCALE: | SHEET NO. 72 OF 79 SHEETS | STA. 47+00.74 TO STA. 52+63.50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5077	99-00493-00-BR	WINNEBAGO	253	198

CONTRACT NO. 85529

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT BRM-5099(65)