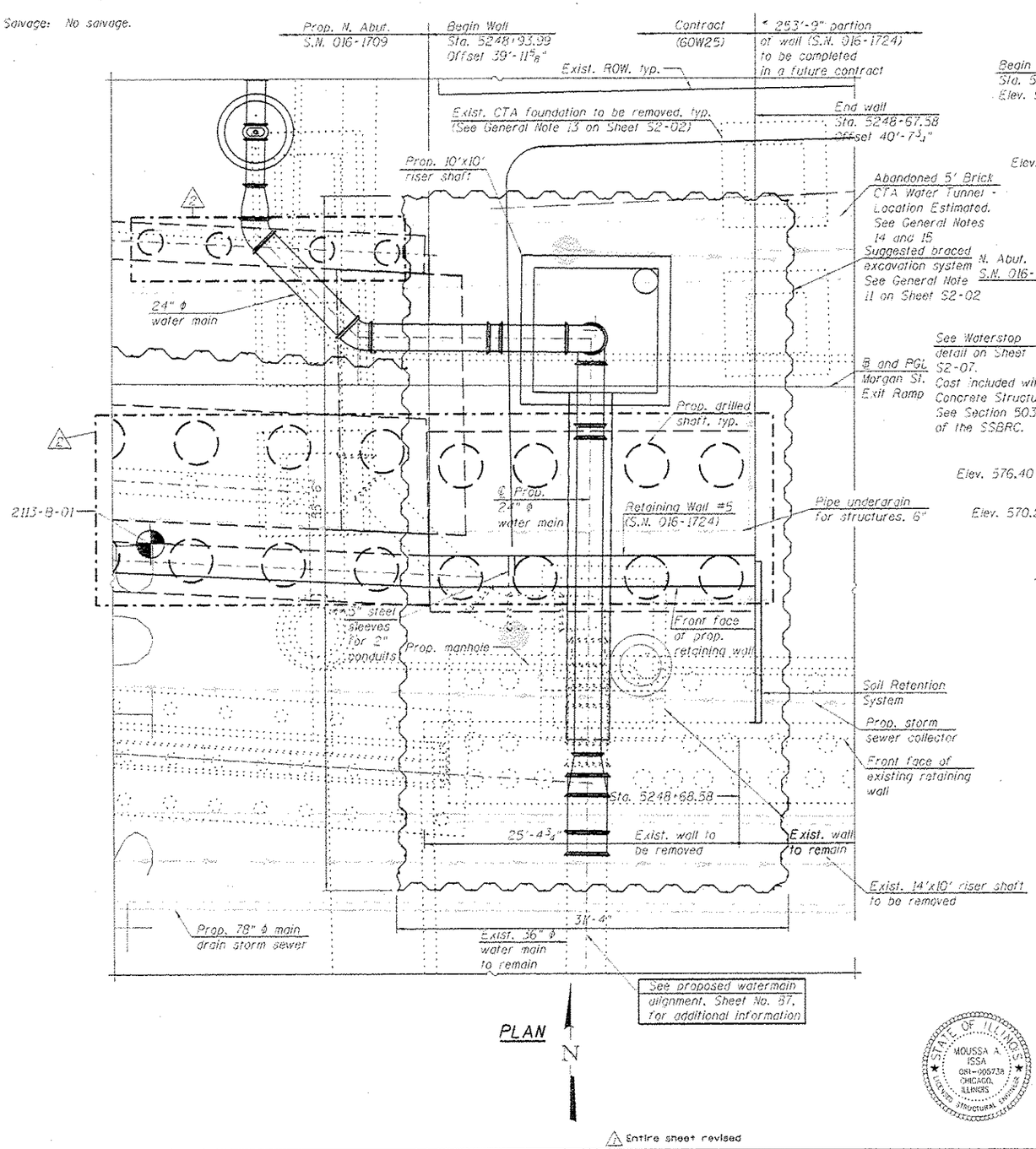
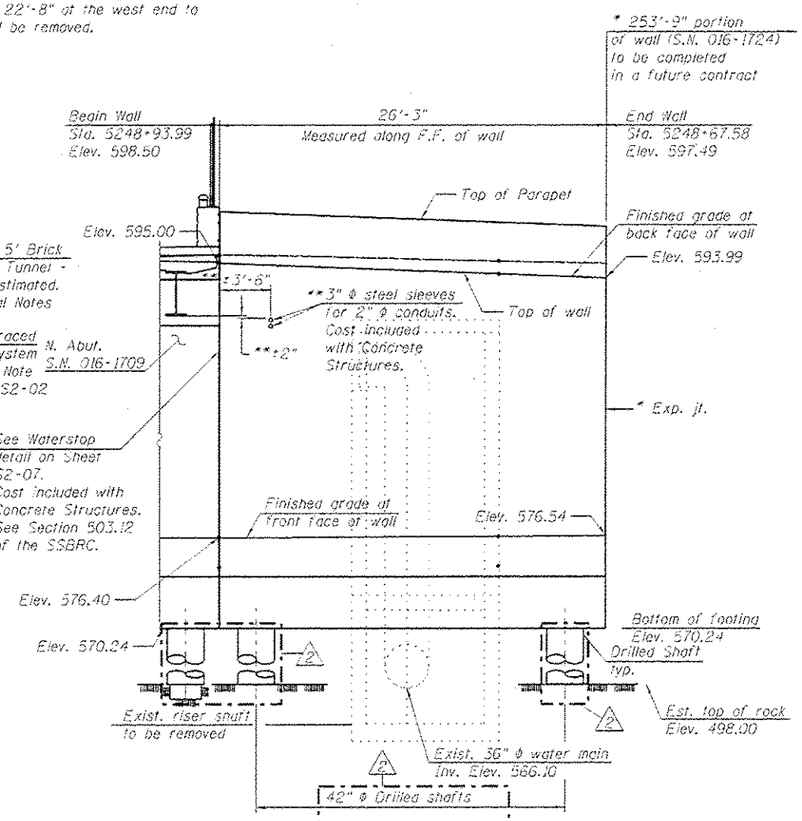
Benchmark: Cut square on northwest corner of sign foundation at north side of Harrison Street, approximately 80' west of west line of Morgan Street. Elevation 593.07.
Cut square on east wall of Morgan Street at approximately centerline of I-290, near north entrance to CTA. Elevation 600.63.

Existing Structure: The retaining wall is comprised of reinforced concrete with attached guardrail above. The length of the retaining wall is 282'-6½" and the total exposed height varies from approximately 18'-5" at the west end to 1'-11" at the east end (measured from grade at front face of wall). The retained height varies from 22'-8" at the west end to 9'-3⅜" at the east end. There is a 2'-8" high crashwall in front of the retaining wall in Panels 1 through 3. Only 25'-4½" wall length will be removed.

Salvage: No salvage.





WALL ELEVATION
(Looking at front face of wall)
(Reveal is not shown for clarity)

DESIGN STRESSES
FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 36,000 psi (M270 Grade 36)

DESIGN SPECIFICATIONS
2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

* Expansion joint will be included in future contract

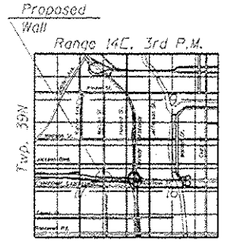
** Location of the steel sleeves for ITS conduits shall be coordinated with the ITS plans and the Engineer.

LEGEND:

Front Face	F.F.
Back Face	B.F.
Combined Sewer	
Boring	
Electric	
Fiber Optic	
Storm Sewer	
Braced Excavation	
Water Line	
Fire Hydrant	
Light Pole	

NOTES:

1. For General Notes, Index of Sheets, Profile Grade Lines and Total Bill of Material, See Sheet S2-02.



LOCATION SKETCH

APPROVED
For Structural Adequacy Only
D. Carl Peterson, PE
Engineer of Bridges & Structures

Signed Moussa A. Issa
Moussa A. Issa, HBM Il. Lic. No. 081-005738
Expires 11-30-2014

Date 07/30/2013 For Sheets S2-01 Thru S2-11

GENERAL PLAN
RETAINING WALL 5 ALONG MORGAN ST. EXIT RAMP
F.A.I. RTE. 290
(EISENHOWER EXPRESSWAY)
F.A.I. RTE. 290 - SECTION 2013-007R
COOK COUNTY
STA. 5248+93.99 TO STA. 5248+67.58
STRUCTURE NO. 016-1724

△ Entire sheet revised

HBM ENGINEERING GROUP, LLC. CONSULTING & DESIGN INSPECTION & RATING RESEARCH & TESTING
4415 WEST HARRISON ST. SUITE 331 HILLSIDE, IL 60162 PHONE: (708) 236-0900 FAX: (708) 236-0901

0161724-60W25-SD1-GPE.dgn	DESIGNED - MI, MAF, JJS	REVISED - △ 07/19/2013 MI, WM	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND WALL ELEVATION RETAINING WALL (STRUCTURE NO. 016-1724) AND RISER SHAFT	
USER NAME = lissa.keilemann	DRAWN - JJS, MAF	REVISED - △ 07/30/2013 MI, LAB			
PLOT SCALE = 10.00 ' / in.	CHECKED - MAI, MI, LAB	REVISED -			
PLOT DATE = 7/30/2013	DATE - 6/17/2013	REVISED -			

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-007R	COOK	317	196
		CONTRACT NO. 60W25		
		ILLINOIS FED. AID PROJECT		

SCALE: | SHEET S2-01 OF 12 SHEETS | STA. | TO STA.