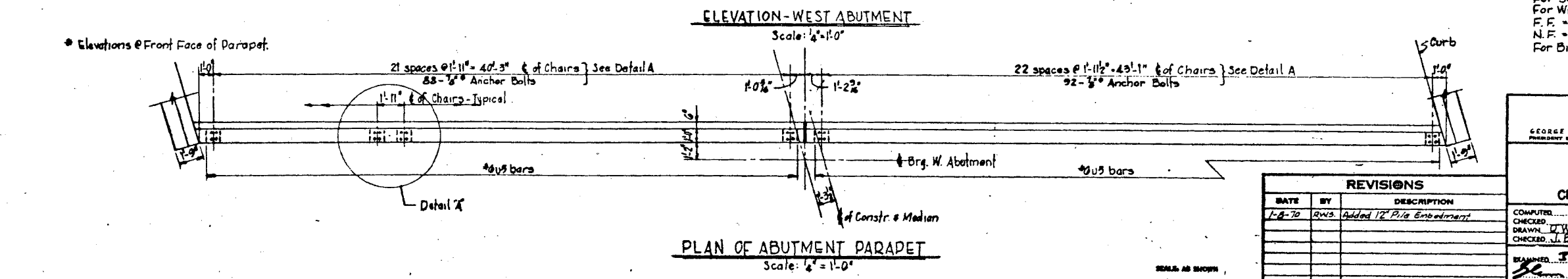
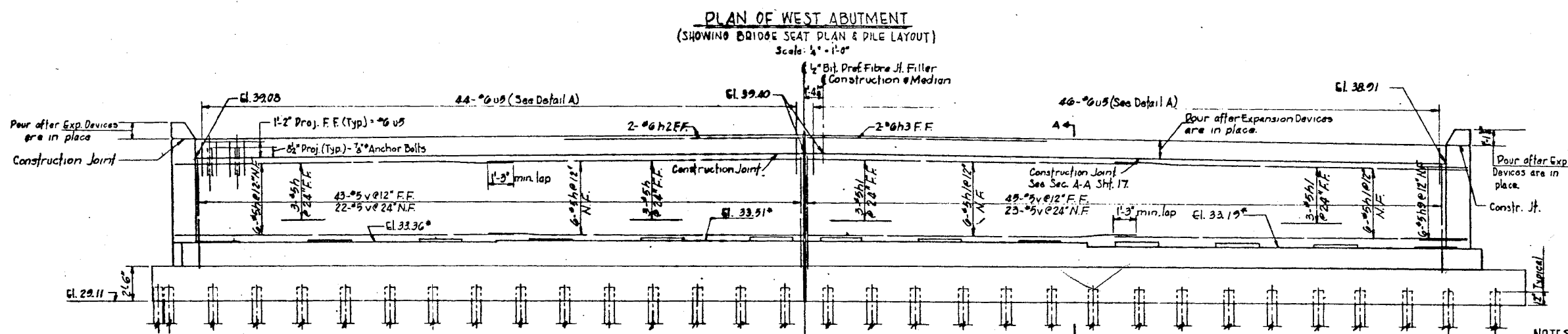
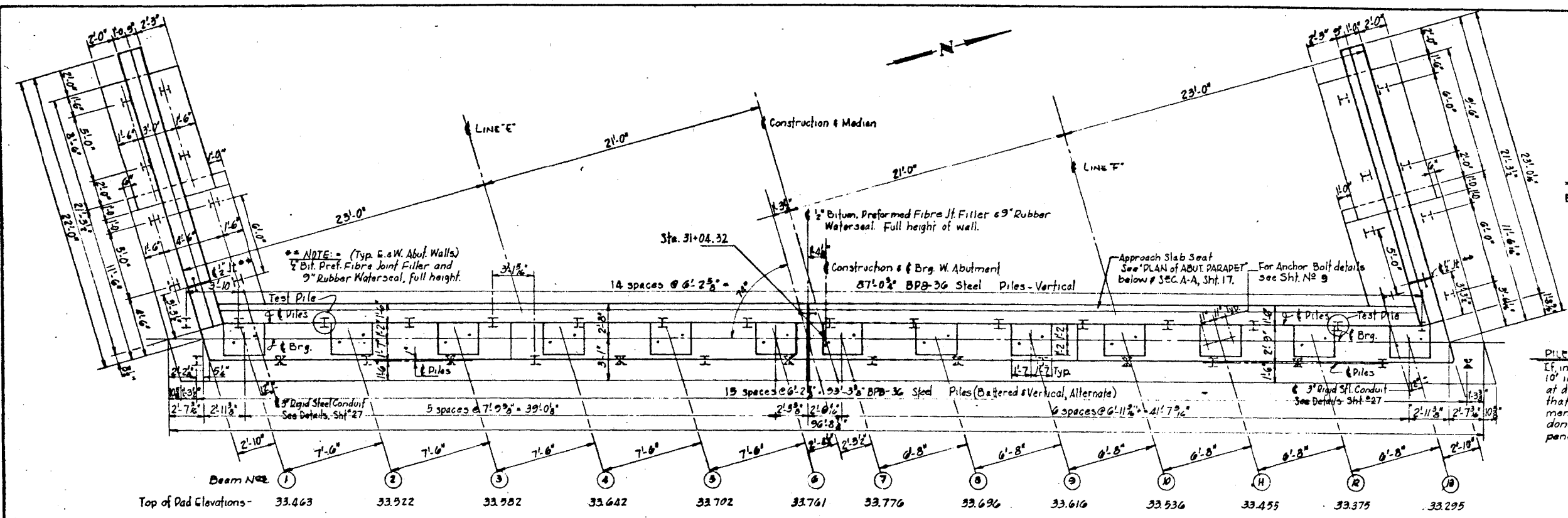


PILE CAPACITY
 WALLS - FRONT ROW = 20T
 REAR ROW = 18T
 ABUTMENT - FRONT ROW = 32T
 REAR ROW = 36T
 ESTIMATED LENGTH ALL PILES = 55'
 SUPPORTING = 52'
 PROJECTING = 3'

PILE NOTE:
 If, in driving the Test Pile, a penetration of 10' into a firm stratum can not be attained at design capacity, the Engineer shall order that pre-coring thru the existing embankment to the original ground surface be done in order to allow the other piles to penetrate a minimum of 10' into firm strata.



NOTES:
 For Section A-A see Sht. No. 17
 For Wingwall details see Sht. No. 18
 F.F. = Far Face
 N.F. = Near Face
 For Bill of Material see Sht. No. 21

REVISIONS		
DATE	BY	DESCRIPTION
1-8-70	BWS	Added 12" Pile Embedment

DEPARTMENT OF HIGHWAYS
 COOK COUNTY, ILLINOIS

GEORGE W. DUNNE, PRESIDENT BOARD OF COMMISSIONERS
 THOMAS G. GOYS, SUPERINTENDENT OF HIGHWAYS

WEST ABUTMENT
STONY ISLAND EXP CONNECTOR
TO I-94 OVER
CHICAGO ROCK ISLAND & PACIFIC R.R.

COMPUTED: PROJECT EBU:EBUG:246 (641)
 CHECKED: SUBMITTED 9-10-67
 DRAWN: D.W. Spier
 CHECKED: J.B.S. Smith

DESIGNED: J-24-69
 DRAWN: J. B. Smith
 CHECKED: J. B. Smith

SECTION NUMBER: 174A
 SHEET NO.: 16
 TOTAL SHEETS: 47
 DRAWING NO.: SI 108

3/29/2013 3:06:21 PM
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 BOWMAN, BARRETT & ASSOCIATES INC. CONSULTING ENGINEERS Chicago, Illinois 312.228.0100 www.bbainc.com
 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING PLANS (FOR INFORMATION ONLY) STRUCTURE NO. 016-2440
 SHEET NO. S-44 OF S-47 SHEETS
 F.A.I. R.T.E. 94 SECTION 2012-059-BR COUNTY COOK TOTAL SHEETS 631 SHEET NO. 472 CONTRACT NO. 60J12 ILLINOIS FED. AID PROJECT