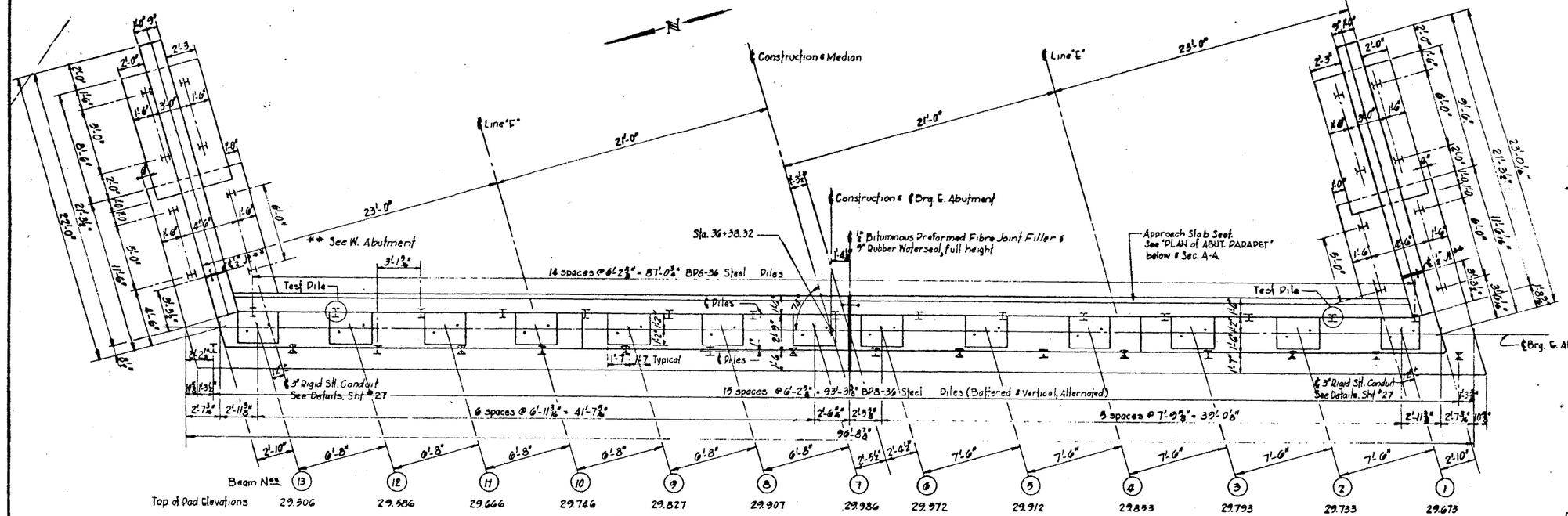
COUNTY PROGRAM		SHEET
ITEM No.	YEAR	No.
	19x9	17



PLAN OF EAST ABUTMENT

(SHOWING BRIDGE SEAT PLAN & PILE LAYOUT)

Scale: 1/4" = 1'-0"

PILE CAPACITY

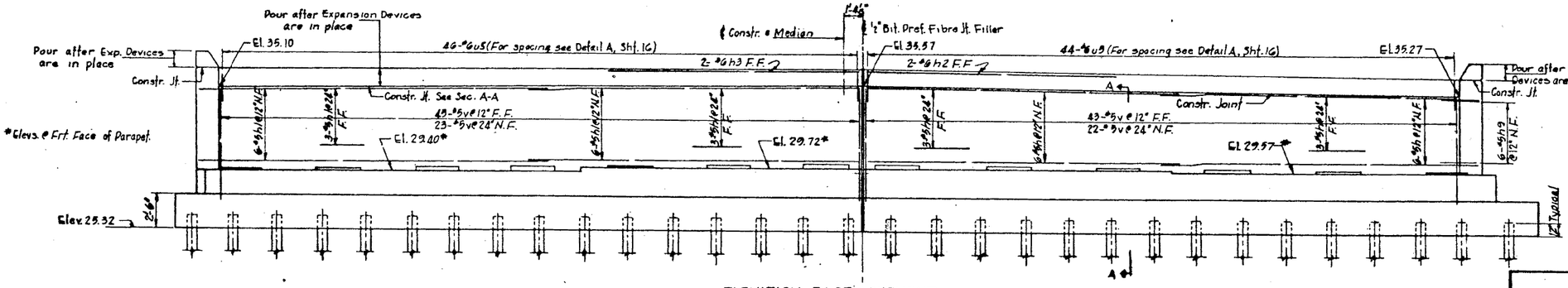
WALLS- FRONT ROW = 20T
REAR ROW = 15T

ABUTMENT- FRONT ROW = 32T
REAR ROW = 36T

ESTIMATED LENGTH ALL PILES = 55'
SUPPORTING = 52'
PROJECTING = 3'

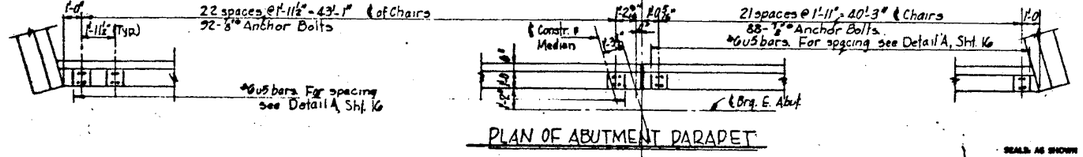
PILE NOTE:

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 precoring thru the existing embankment to the original ground surface be done in order to allow the other piles to penetrate a minimum of 10 feet into firm strata.



ELEVATION-EAST ABUTMENT

Scale: 1/4" = 1'-0"



PLAN OF ABUTMENT PARAPET

NOTES:

For Bill of Material see Sht. No. 21

F.F. = Far Face, N.F. = Near Face.

REVISIONS		
DATE	BY	DESCRIPTION
1-8-70	RWS	Added 12" Pile Embedment & 1" Slope on Bridge Seat

SEALS AS SHOWN

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

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

EAST ABUTMENT
STONY ISLAND EXP. CONNECTOR
TO F.A.I. 94 OVER
CHICAGO ROCK ISLAND & PACIFIC R.R.

COMPUTED
CHECKED D.W. Sauer
DRAWN
CHECKED J.B. Smith
PROJECT EBU-EBUG-246 (64)
SUBMITTED 3-10-69
STRUCTURAL DESIGN ENGINEER
ELANNED 3-24-69
CHIEF ENGINEER OF DESIGN

Scale	SECTION NUMBER	Sheet No.	Sheets	Drawing No.
1/4" A	174A-0101-2 C.F.	17	47	S1109

NNE to SSW

S:\1072\05_CADD\Structural\SN 016-2440\CADD Sheets\016-2440-60J12-044-F108.dgn 3/29/2013 3:08:26 PM

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbandainc.com

USER NAME =	DESIGNED -	REVISED -
	CHECKED - BAK	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 03/29/2013	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (FOR INFORMATION ONLY)
STRUCTURE NO. 016-2440
SHEET NO. S-45 OF S-47 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	473
		CONTRACT NO. 60J12		
	ILLINOIS FED. AID PROJECT			