

TBM #9
S.W. FLANGE BOLT
ON FIRE HYDRANT
IN FRONT OF 464 OTTAWA ST.
150' ± SOUTH OF 5 TH AVE.
ELEV. 528.43

DESIGN SPECIFICATIONS

AASHTO 1989 STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES
WITH 1990 AND 1991 INTERIMS AND AASHTO SEISMIC DESIGN (1983).

DESIGN STRESSES

REINFORCED CONCRETE

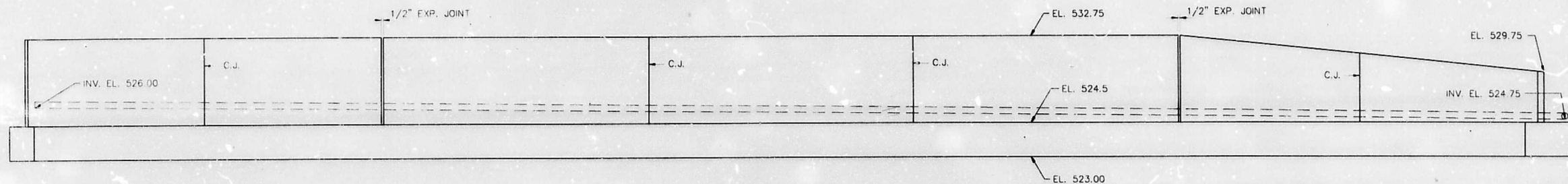
f'_c - COMPRESSIVE STRENGTH AT 28 DAYS = 3,500 psi
 f'_y - YIELD STRENGTH GRADE 60 = 60,000 psi
ALLOWABLE BEARING PRESSURE = 3,000 psf
EARTH PRESSURE = 40 pcf

CURVE DATA NO.10

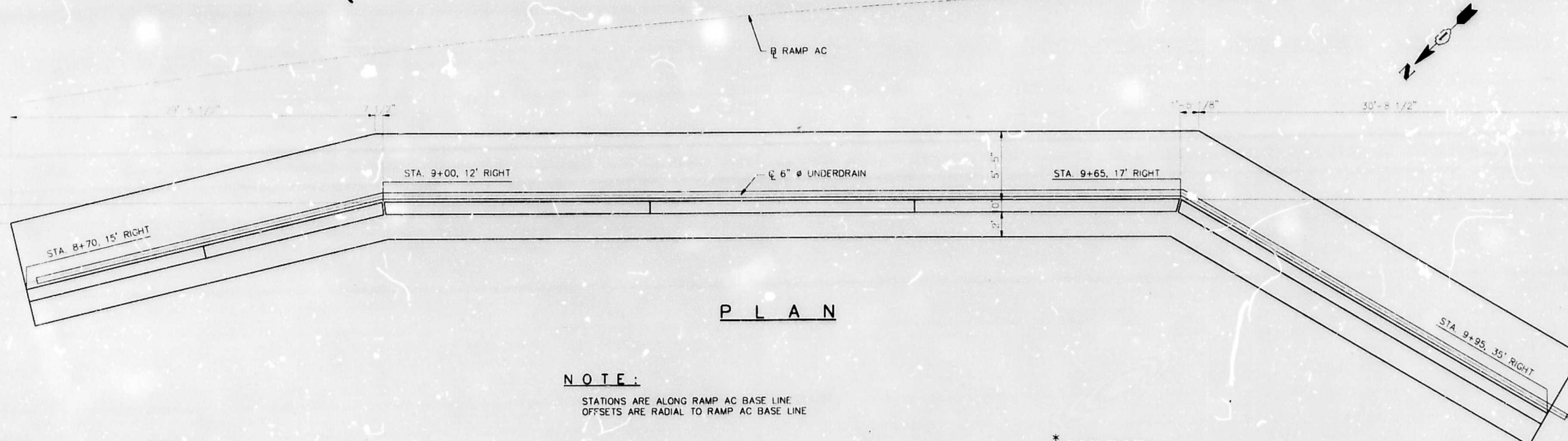
P.I. STA.10+56.84
 Δ = 45°-13'-15.9"
D = 6°-44'-13.4"
R = 850.46'
T = 354.19'
L = 671.23'
E = 70.81'

SHEET NO.1
2 SHEETS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	*	WILL	167	101
FED. ROAD DIST. NO. ILLINOIS PROJECT-				
99-4WRS & 99-4B-Y (89)				



ELEVATION



PLAN

NOTE:

STATIONS ARE ALONG RAMP AC BASE LINE
OFFSETS ARE RADIAL TO RAMP AC BASE LINE

* OUTLET TO DITCH.
EST. LENGTH = 25 L.F.
FROM END OF WALL

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN, ELEVATION
RAMP AC RETAINING WALL
STA.8+70 TO STA.9+95
F.A.P. 846
SECTION 99-4WRS, 99-4B-Y(89)
WILL COUNTY

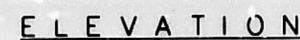
SCALE: NONE
DATE: DRAWN BY: E.T.
CHECKED BY: D.M.

Sec. 99-4WRS, 99-4B-Y(89) Will County Pages 101-167



TAMERAN

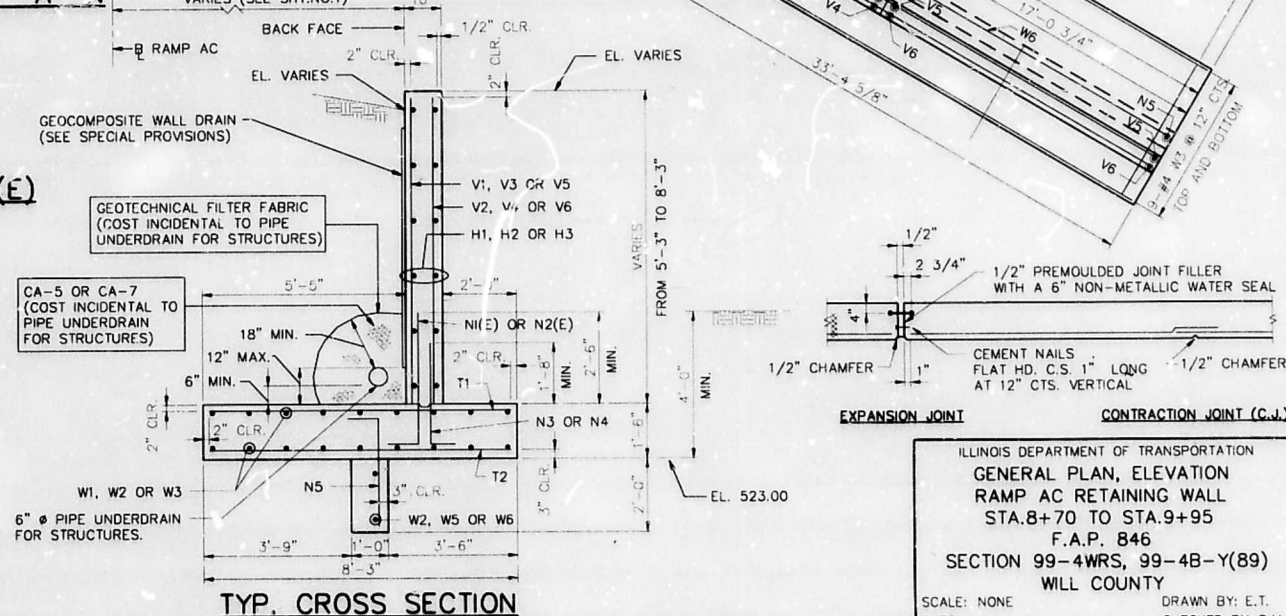
DARCOB
DARCOB



BAR	NO.	SIZE	LENGTH	SHAPE
H1	12	#4	29'-2"	—
H2	24	#4	32'-3"	—
H3	12	#4	33'-7"	—
N1(E)	113	#5	4'-10"	J
N2(E)	41	#5	6'-8"	J
N3	49	#4	4'-8"	J
N4	18	#4	6'-6"	J
N5	155	#5	3'-10"	J
T1	177	#6	7'-11"	—
T2	133	#5	7'-11"	—
V1	113	#5	8'-1"	—
V2	25	#4	8'-1"	—
V3	20	#5	6'-8"	—
V4	5	#4	6'-8"	—

V5	21	#5	5'-1"	_____
V6	5	#4	5'-1"	_____
W1	18	#4	30'-0"	_____
W2	40	#4	32'-10"	_____
W3	18	#4	35'-4"	_____
W4	36	#4	6'-0"	^
W5	2	#4	29'-6"	_____
W6	2	#4	34'-0"	_____
CLASS X CONCRETE				
RETAINING WALL			CJ. YDS.	102.4
REINFORCEMENT BARS			LBS.	8,340
REINFORCEMENT BARS (EPOXY COATED)			LBS.	850
PIPE UNDERDRAIN FOR STRUCTURES 6"			L.F.	153
GEOCOMPOSITE WALL DRAIN			SQ. YDS.	100
EXCAVATION			CU. YDS.	300

BAR N5 BAR W4



EXPANSION JOINT CONTRACTION JOINT (C.J.)

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