

Apr 04
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Sheet No.		Cross Sections

TOTAL SHEETS = 75

PROJECT ID: 6004-03-71 / 6499-06-71 / 6506-03-71
WITH: N/A

COUNTY: OUTAGAMIE COUNTY

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

DUCK CREEK BRIDGE AND APPROACHES
CTH EE, TOWN OF CENTER
CTH EE
OUTAGAMIE COUNTY

ONEIDA CREEK BRIDGE AND APPROACHES
VAN BOXTEL STREET, TOWN OF ONEIDA
LOCAL STREET
OUTAGAMIE COUNTY

STATE PROJECT NUMBER
6004-03-71

STATE PROJECT NUMBER
6499-06-71

RECEIVED

SHIOC RIVER BRIDGE AND APPROACHES
NEWLAND ROAD, TOWN OF CICERO
LOCAL STREET
OUTAGAMIE COUNTY

MAR 13 2007
OUTAGAMIE COUNTY
HIGHWAY DEPT

STATE PROJECT NUMBER
6506-03-71



AS BUILT PLAN
NO.

SUPERVISOR Jim Lamers
RESIDENT Tracy Kamps
CONTRACTOR Rusic Const.
COMPLETED 8-30-04

BEGIN PROJECT
ID: 6506-03-71
STA 8+00
N=655035.697
E=805536.822

END PROJECT
ID: 6499-06-71
STA 11+00

PROJECT ID: 6004-03-71 DESIGN DESIGNATION			
A.D.T.	2004	=	875
A.D.T.	2024	=	1900
D.H.V.		=	190
D.		=	60/40
T.		=	3.5
DESIGN SPEED		=	60 MPH
ESALS		=	131,400

PROJECT ID: 6499-06-71 DESIGN DESIGNATION			
A.D.T.	2004	=	300
A.D.T.	2024	=	440
D.H.V.		=	44
D.		=	50-50
T.		=	3.5%
DESIGN SPEED		=	35 MPH
ESALS		=	29,200

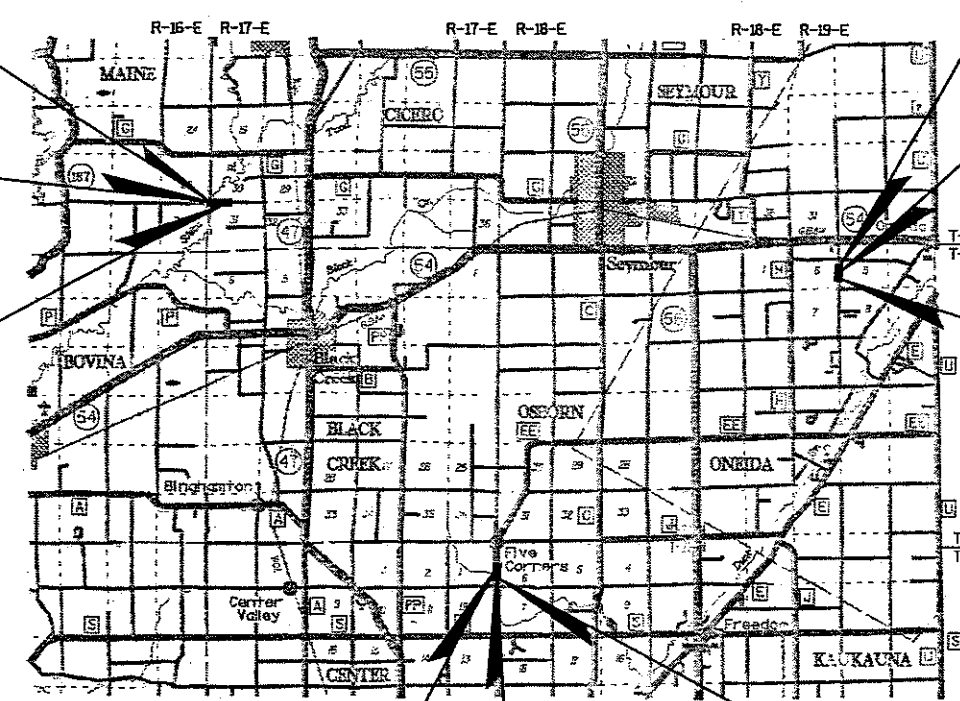
PROJECT ID: 6506-03-71 DESIGN DESIGNATION			
A.D.T.	2004	=	80
A.D.T.	2024	=	120
D.H.V.		=	12
D.		=	50-50
T.		=	10.3%
DESIGN SPEED		=	35 MPH
ESALS		=	21,900

PROJECT ID: 6506-03-71
STRUCTURE B-44-201

END PROJECT
ID: 6506-03-71
STA 12+00

PROJECT ID: 6499-06-71
STRUCTURE B-44-200

BEGIN PROJECT
ID: 6499-06-71
STA 9+00
N=646798.161
E=873298.345



END PROJECT
ID: 6004-03-71
STA 11+00

PROJECT ID: 6004-03-71
STRUCTURE B-44-202

BEGIN PROJECT
ID: 6004-03-71
STA 9+00
N=613768.565
E=835826.286

LAYOUT
SCALE 0 1 MI.

PROJECT ID: 6004-03-71 - TOTAL NET LENGTH OF CENTERLINE = 0.038 MI. (RURAL)
PROJECT ID: 6499-06-71 - TOTAL NET LENGTH OF CENTERLINE = 0.038 MI. (RURAL)
PROJECT ID: 6506-03-71 - TOTAL NET LENGTH OF CENTERLINE = 0.076 MI. (RURAL)

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY. FOR IDENTIFICATION PURPOSES ONLY.

CONVENTIONAL SYMBOLS

COUNTY LINE		COMBUSTIBLE FLUIDS	
CORPORATE LIMITS		UNDERGROUND UTILITIES	
PROPERTY LINE		GAS	
LOT LINE		ELECTRIC	
LIMITED EASEMENT		TELEPHONE OR TELEGRAPH	
EXISTING RIGHT OF WAY		COMMUNICATIONS LINE	
PROPOSED OR NEW R/W LINE		SERVICE PEDESTAL	
SURVEY LINE		POWER POLE	
SLOPE INTERCEPT		TELEPHONE POLE	
ORIGINAL GROUND		RAILROAD	
MARSH OR ROCK PROFILE (To be noted as such)		SANITARY SEWER	
MARSH AREA		STORM SEWER	
WOODED OR SHRUB AREA		WATER	
		EXISTING CULVERT	
		PROPOSED CULVERT (Box or Pipe)	
		CULVERT (Profile View)	

ACCEPTED FOR
OUTAGAMIE COUNTY
DATE: 12-16-03
Commissioner

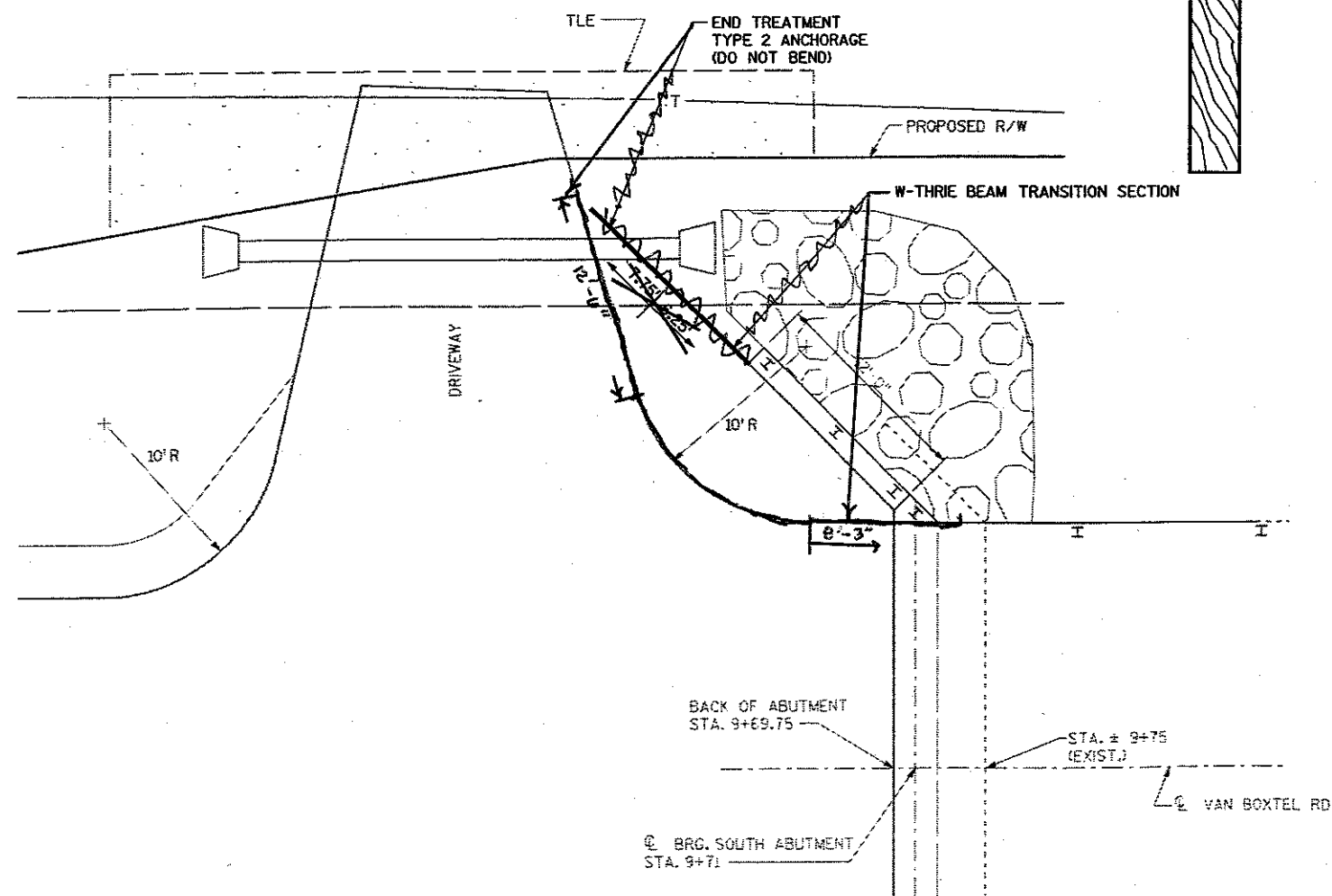
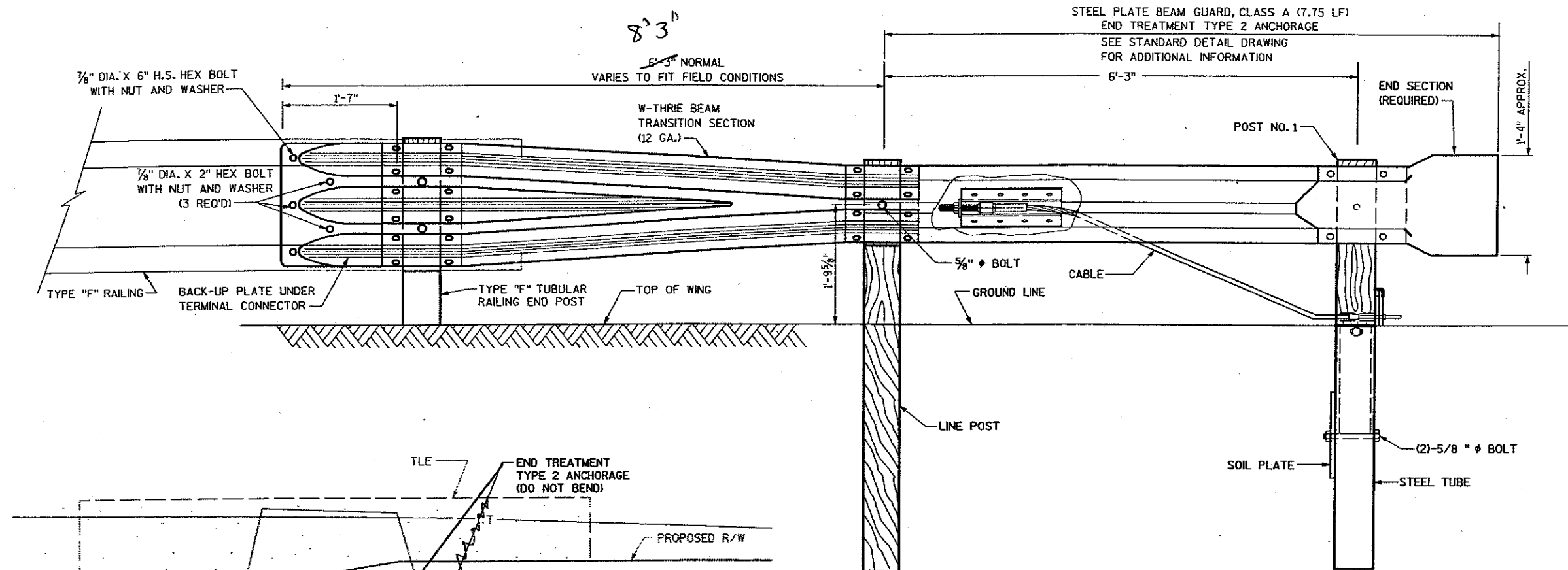
ORIGINAL PLANS PREPARED BY
MEAD & HUNT
ENGINEER
ARCHITECT
SCIENTIST
PLANNER

WISCONSIN
PROFESSIONAL ENGINEER
JOHN A. RATHKE
E-29332
GREEN BAY, WI
12/12/03
Mead & Hunt, Inc.
1345B North Road Green Bay, Wisconsin 54313

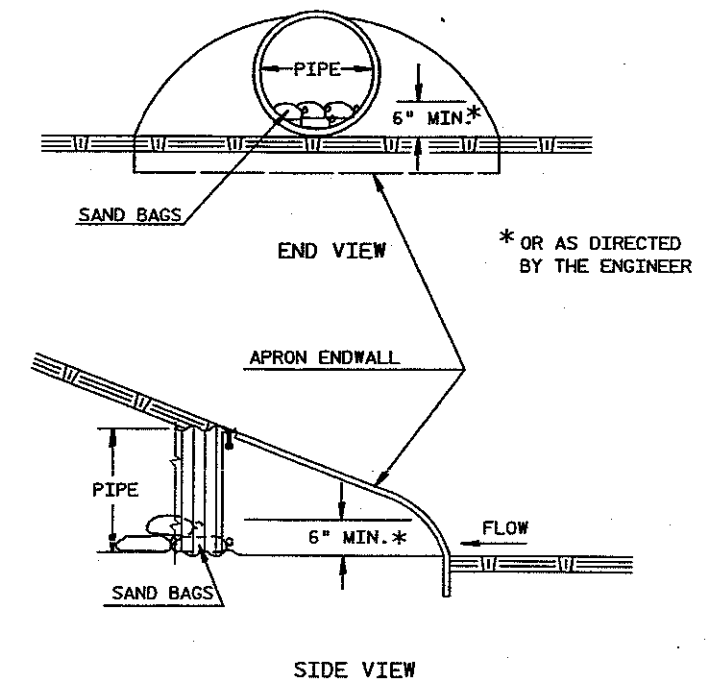
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Surveyor	MEAD & HUNT
Designer	MEAD & HUNT
District Examiner	LEE RINGBLOM
District Supervisor	JAMES LAMERS
Proj. Dev. Engineer	
C.O. Examiner	N.R. AFFELDT

APPROVED FOR DISTRICT OFFICE
DATE: 12/24/03
(Signature)



THRIE BEAM CONNECTION TO
TUBULAR RAILING TYPE "F"

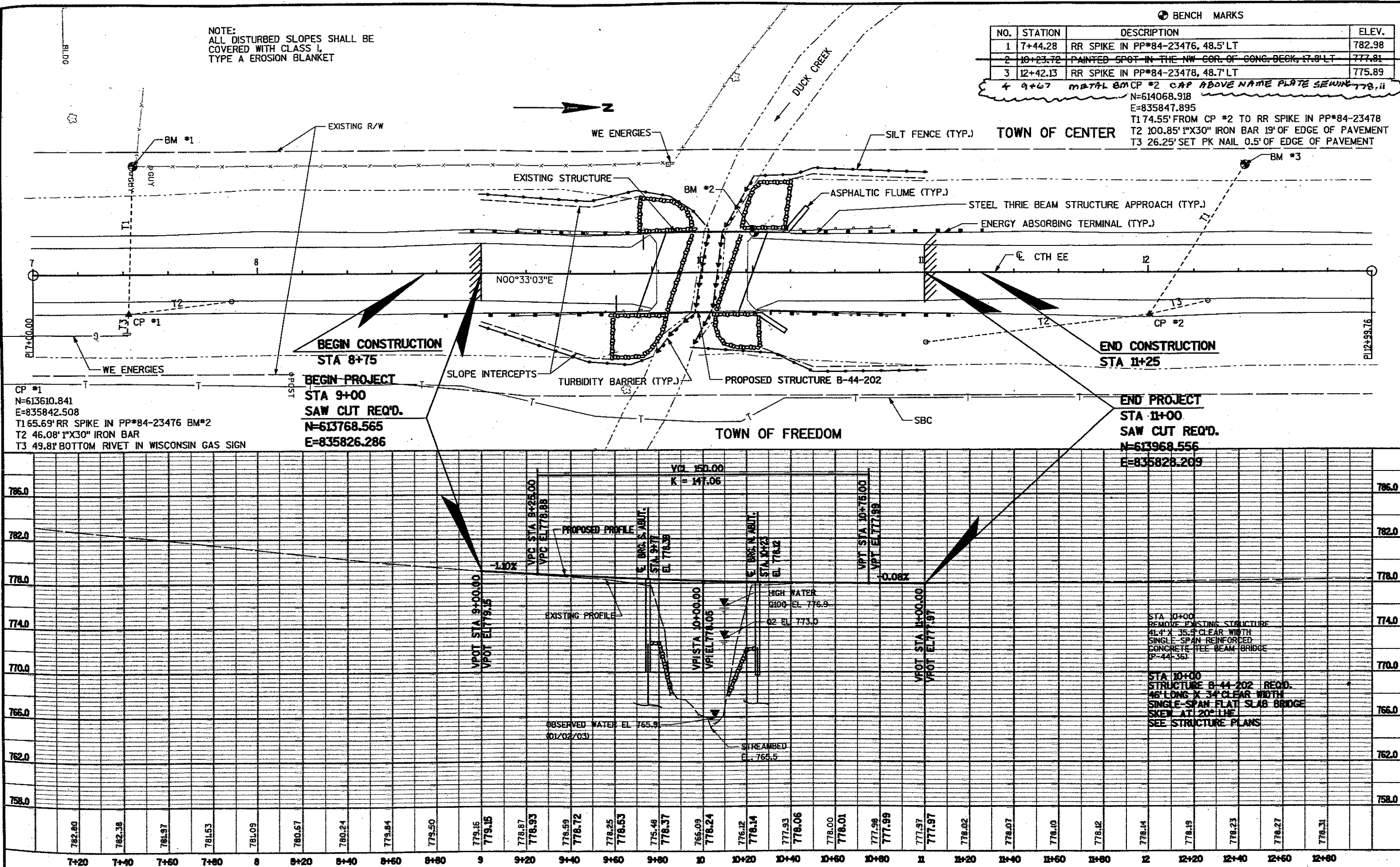


CULVERT PIPE DITCH CHECK

NOTE:
ALL DISTURBED SLOPES SHALL BE
COVERED WITH CLASS I,
TYPE A EROSION BLANKET

NO.	STATION	DESCRIPTION	ELEV.
1	7+44.28	RR SPIKE IN PP*84-23476, 48.5' LT	782.98
2	10+23.72	PAINTED SPOT IN THE NW COR. OF CONC. DECK, 17.8' LT	777.81
3	12+42.13	RR SPIKE IN PP*84-23478, 48.7' LT	775.89
4	9+67	METAL BM CP #2 CAP ABOVE NAME PLATE SEWING T78, II	
		N=614068.918	
		E=835847.895	
		T1 74.55' FROM CP #2 TO RR SPIKE IN PP*84-23478	
		T2 100.85' 1"X30" IRON BAR 19' OF EDGE OF PAVEMENT	
		T3 26.25' SET PK NAIL 0.5' OF EDGE OF PAVEMENT	

TOWN OF CENTER



HWY: CTH EE

PLAN AND PROFILE

SHEET NO: 17

● BENCH MARKS

NO.	STATION	DESCRIPTION
1	7+68	RR SPIKE IN E. FACE OF PP*71-6871, 40' LT
2	10+24	CHISELED BOX IN THE NW WINGWALL OF BRIDGE, 14' LT
3	12+87	RR SPIKE IN E. FACE OF PP*71-6869, 39' LT
4	9+65	METAL CP #2 BM CAP ABOVE NAME PLATE SEE WING

N=647206.376
E=873292.327
T1-33.20', PK NAIL 1' OFF EOP ON EAST SIDE OF RA
T2-18.10', #4 REBAR
T3-31.64', PK NAIL IN PP*71-6869, BM#3

CP #1
N=646605.787
E=873305.765
T1-78.79', RR SPIKE IN PP*71-6871 BM, #1
T2-14.40',
T3-27.12', PK NAIL 1' OFF EOP ON WEST SIDE OF RAMP

TOWN OF ONEIDA

ANCHORAGE FOR STEEL
PLATE BEAM GUARD, TYPE 2

CULVERT PIPE
OFFCH CHECK

18"x32' CSCP
W/APRON
ENDWALLS

SEE DETAIL SHEET

TURBIDITY BARRIER (TYP.)

SLOPE INTERCEPTS (TYP.)

NORTHEAST TELEPHONE COMPANY

ENERGY ABSORBING TERMINAL

VAN BOXTEL ROAD

SECTION LINE

N1°25'42"E

END CONSTRUCTION
STA 11+25

BEGIN CONSTRUCTION
STA 8+75

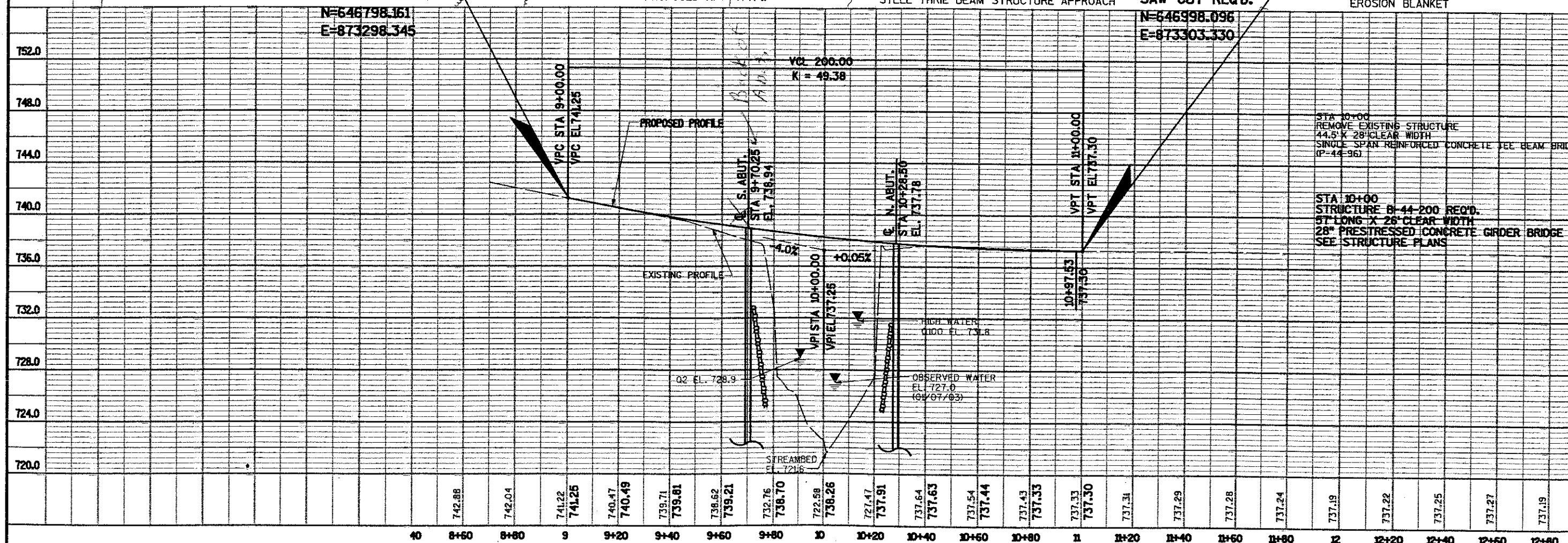
BEGIN PROJECT
STA 9+00
SAW CUT REQ'D.

N=646798.161
E=873298.345

END PROJECT
STA 11+00
SAW CUT REQ'D.

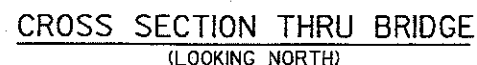
N=646998.096
E=873303.330

NOTE:
ALL DISTURBED SLOPES SHALL BE
COVERED WITH CLASS 1, TYPE A
EROSION BLANKET



THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

TOTAL ESTIMATED QUANTITIES					
BID ITEMS	UNIT	SOUTH ABUT.	SUPER.	NORTH ABUT.	TOTAL
REMOVING OLD STRUCTURE (STATION 10+00)	LS	—	—	—	1
EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE B-44-200)	LS	—	—	—	1
BACKFILL STRUCTURE	CY	102	—	102	204
CONCRETE MASONRY BRIDGES	CY	31.8	58.1	28.1	118
PROTECTIVE SURFACE TREATMENT	SY	—	186	—	186
PRESTRESSED GIRDER (TYPE 28-INCH)	LF	—	348	—	348
BAR STEEL REINFORCEMENT HS BRIDGES	LB	2295	—	2180	4475
BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	565	9510	480	10555
BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	6	—	6	12
STEEL DIAPHRAGMS (STRUCTURE B-44-200)	EACH	—	5	—	5
PILING STEEL DELIVERED AND DRIVEN HP 10-INCH X 42 LB	LF	125	—	150	275
RAILING TUBULAR TYPE F (STRUCTURE B-44-200)	LS	—	—	—	1
RUBBERIZED MEMBRANE WATERPROOFING	SY	7	—	7	14
RIPRAP HEAVY	CY	100	—	100	200
PIPE UNDERDRAIN 6-INCH	LF	47	—	45	92
PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	8	—	8	16
GEOTEXTILE FABRIC TYPE 'HR'	SY	150	—	150	300
GEOTEXTILE FABRIC TYPE 'DF'	SY	32	—	30	62
PILE POINTS	EACH	5	—	5	10
NON-BID ITEMS					
FILLER	SIZE	1/2" x 3/4"			



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1	7+68	RR SPIKE IN E. FACE OF PP*71-6871, 40' LT	748.85
2	10+24	CHISELED BOX IN THE NW WINGWALL OF BRIDGE, 14' LT	735.09
3	12+87	RR SPIKE IN E. FACE OF PP*71-6869, 39' LT	732.64
4	9+68	METAL 8" CAP ABOVE NAME PLATE SE WING	738.75

PILE POINT DETAIL



NO.	DATE	REVISION		BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION				
STRUCTURE		B-44-200		
CONST. SPEC.	2003	DRAWN BY	HKG	PLANS CRD.
CROSS SECTION			SHEET 2 OF 11	
			38	

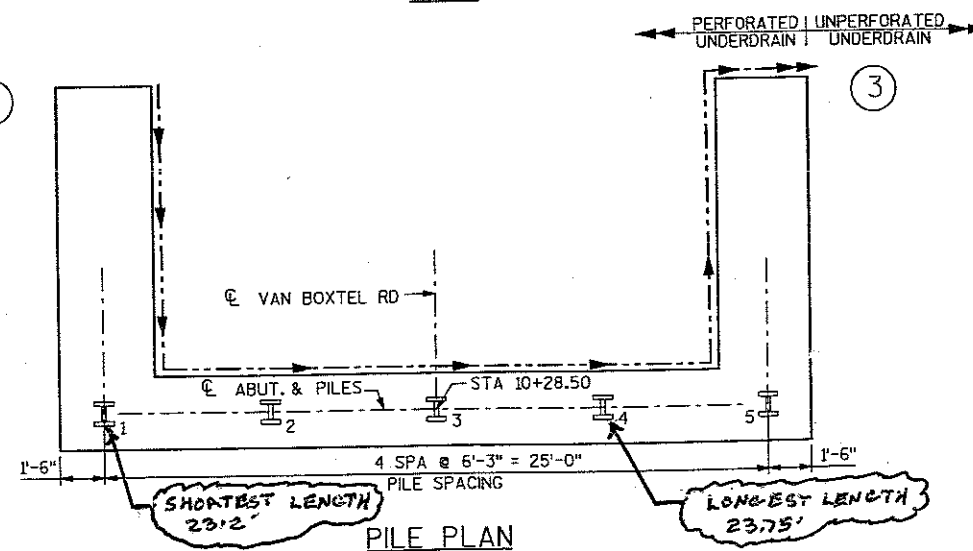
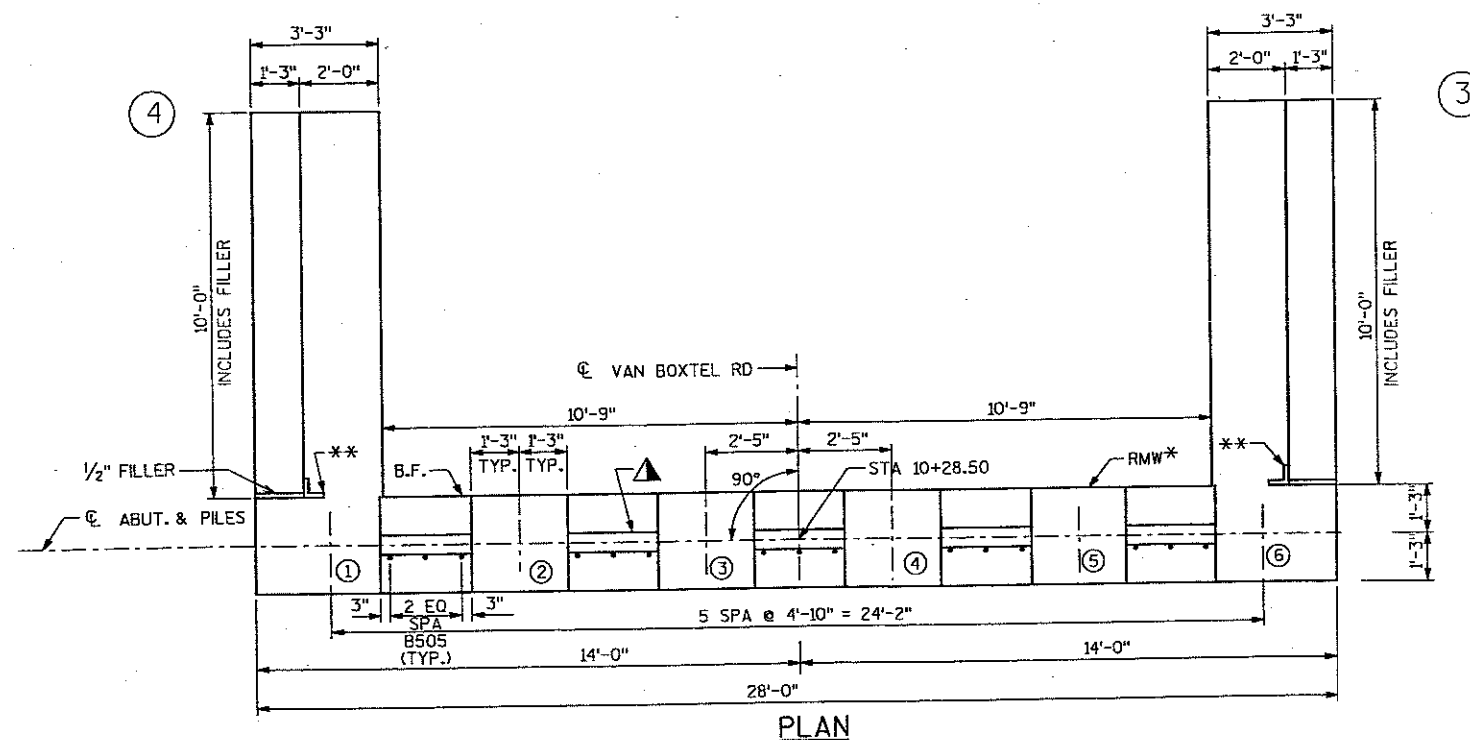
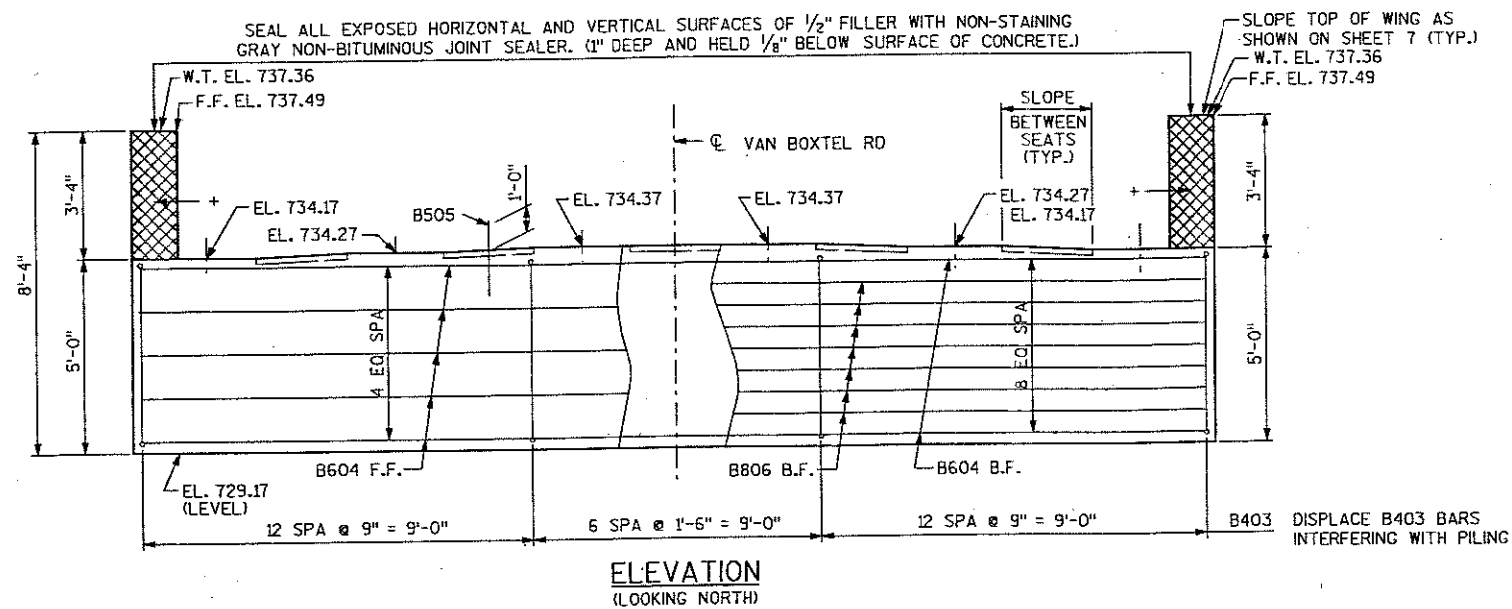


+ 1/2" FILLER-EXTEND FROM BEAM SEAT TO TOP OF WING.
INCLUDED IN WING LENGTH. SEAL ALL EXPOSED HORIZONTAL
AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING
GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD 1/8"
BELOW SURFACE OF CONCRETE).



(ALL HORIZONTAL BARS NOT LABELED ARE A604)

NO.	DATE	REVISION	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE		B-44-200	
CONST. SPEC.	2003	DRAWN BY	HKG CHKD.
SOUTH ABUTMENT			SHEET 40



NOTES:

RMW=RUBBERIZED MEMBRANE WATERPROOFING
B.F.=BACK FACE
F.F.=FRONT FACE
E.F.=EACH FACE
W.T.=WING TIP

SEAL ALL VERT. AND HORIZ. JOINTS WITH RUBBERIZED MEMBRANE WATERPROOFING.

* EXTEND BETWEEN WINGS HORIZ. OVER FILLETS.

** 18" RMW TO EXTEND FROM BRIDGE SEAT TO TOP OF WING AND BETWEEN INSIDE FACES OF WINGS.

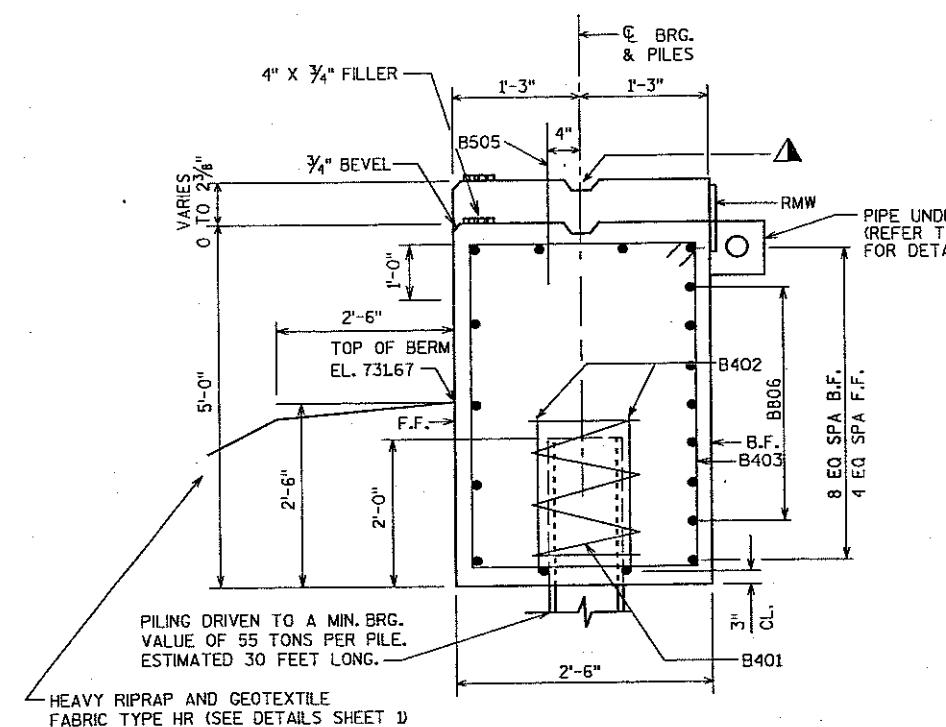
▲ CONST. JOINT KEYWAY FORMED WITH A SURFACED, BEVELED 2"x6". TERMINATE 1'-0" FROM ENDS.

FILL/EXCAVATE TO BOTTOM OF ABUTMENT EL. 729.17 BEFORE DRIVING PILING.

FOR PILE SPICE DETAIL SEE SHEET 2.

B505 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE.

+ $\frac{1}{2}$ " FILLER-EXTEND FROM BEAM SEAT TO TOP OF WING. INCLUDED IN WING LENGTH. SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF $\frac{1}{2}$ " FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD $\frac{1}{8}$ " BELOW SURFACE OF CONCRETE).



SECTION THRU BODY

(ALL HORIZONTAL BARS NOT LABELED ARE B604)

NO.	DATE	REVISION
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION		
STRUCTURE		B-44-2
CONST. SPEC.	2003	DRAWN BY HKG
NORTH ABUTMENT		SHEET 4