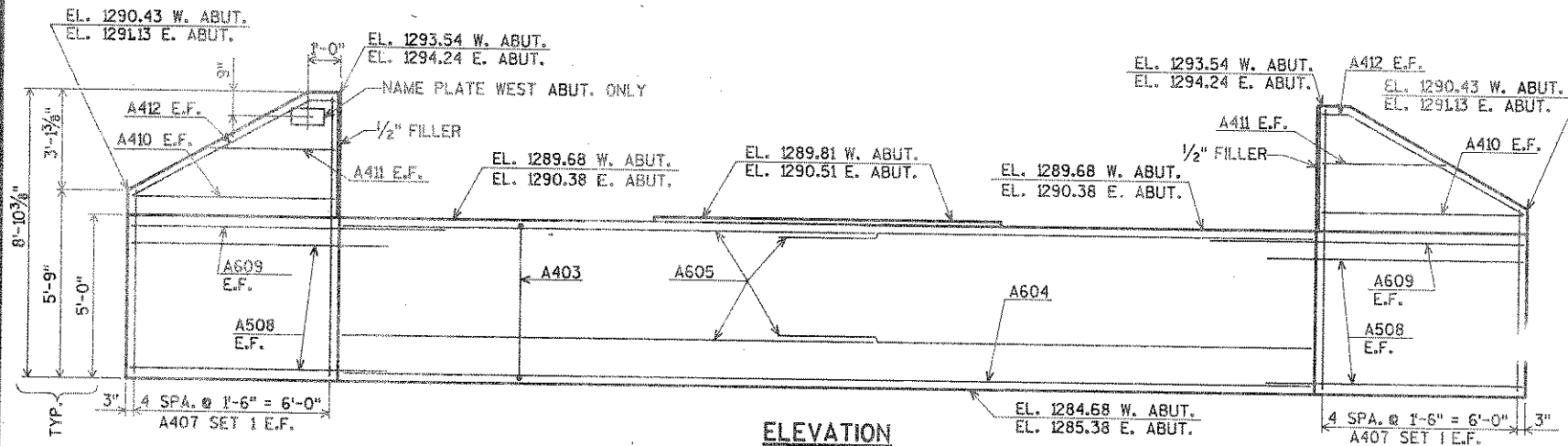


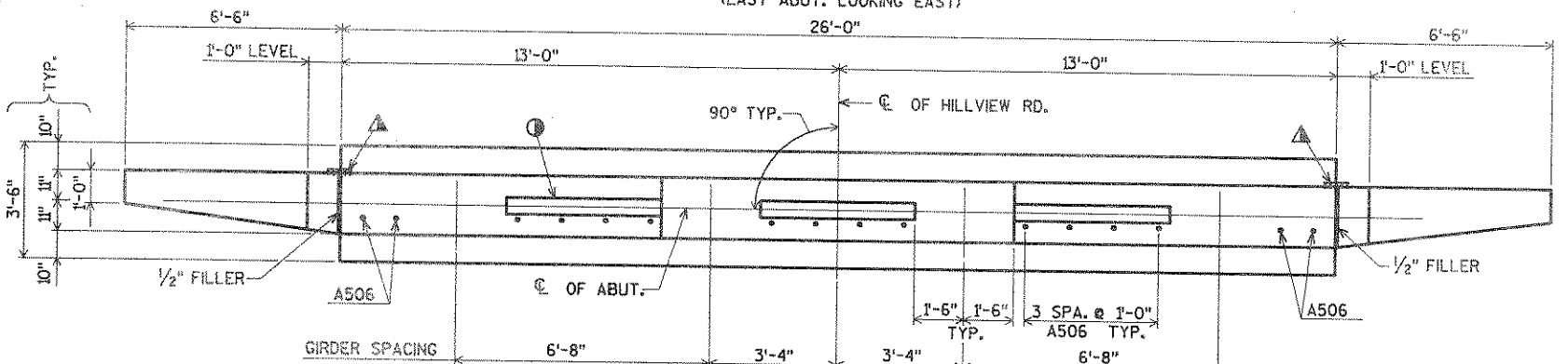
SUBSET: TRBRIDGE
FILE NAME: 09231ABUT

LEVELS ON 4, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

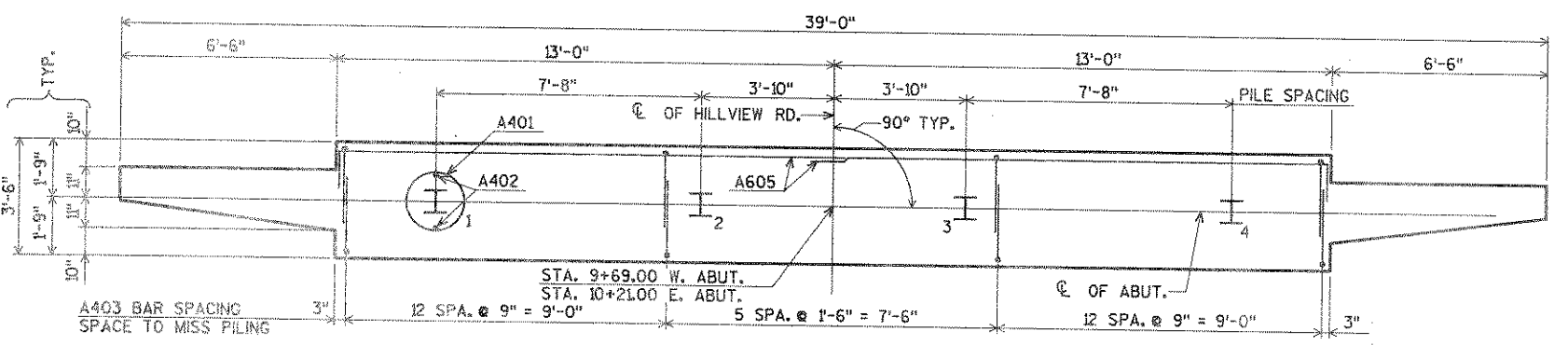
NOTE: SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE.)



ELEVATION
(WEST ABUT. LOOKING WEST)
(EAST ABUT. LOOKING EAST)



PLAN



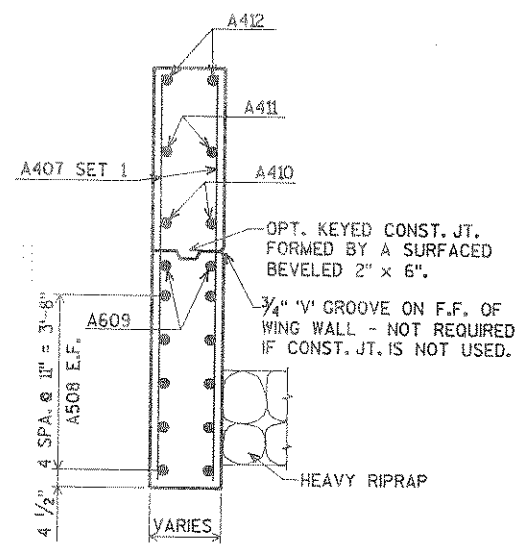
PILE LAYOUT

- KEYED CONST. JOINT - FORMED BY A SURFACED BEVELED 2" x 6".
- VERT. P.C.W. FROM BELOW BRIDGE SEAT TO TOP OF WING. SPLICE AT JUNCTION WITH HORIZ. WATERSTOP BY USING A HEATED SPLICING IRON. HOLD P.C.W. FLUSH WITH CONCRETE.
- P.C.W. DENOTES POLYVINYL CHLORIDE WATERSTOP. SEE SHEET 2 FOR DETAILS.
- FOR PILE SPLICE DETAIL SEE SHEET 2.
- SEAL ALL VERTICAL ENDS OF P.C.W. WITH NON-STAINING BITUMINOUS JOINT SEALER.

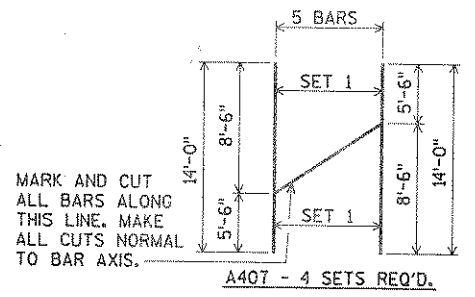
NOTE: TO ELIMINATE STEPPING & SPLICING OF THE WATERSTOP, THE TOP OF BODY MAY BE SLOPED BETWEEN THE LEVEL BEAM SEAT AREAS.

A506 BARS MAY BE PLACED AFTER ABUT. IS POURED BUT BEFORE CONC. HAS SET. IMBED BARS 1'-0".

HP 10 x 42 STEEL PILING DRIVEN TO 45 TONS/PILE. MIN. BEARING VALUE. EST. LENGTH 45'-0" W. ABUT. AND 35'-0" E. ABUT.



TYP. SECTION THRU WING

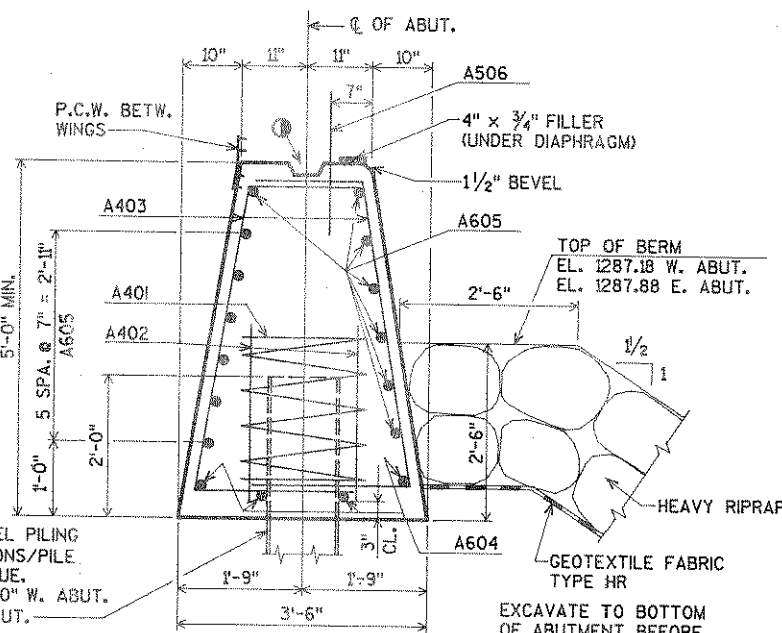
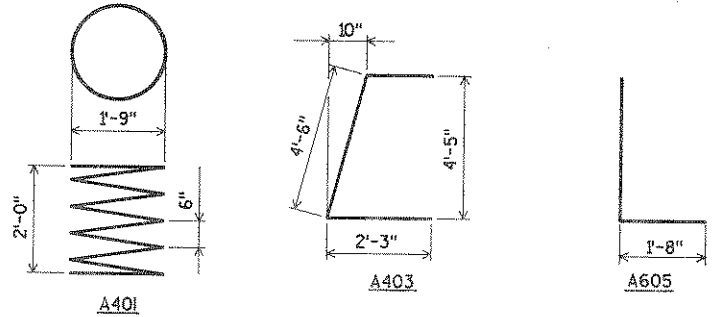


CUTTING DIAGRAM

BILL OF BARS (FOR ONE ABUTMENT ONLY)

BAR NO.	NO. REQ'D.	LENGTH	BENT BAR	COATED BAR	CUT. DIAGR.	LOCATION
1,580# UNCOATED						
BODY @ PILES						
A401	4	28-0	X			BODY @ PILES
A402	8	2-3				BODY @ PILES
A403	60	8-3	X			BODY VERT.
A604	4	25-8				BODY HORIZ.
A605	26	15-10	X			BODY HORIZ.
A506	16	2-0				BODY DOWELS
A407	10	14-0	X			WINGS VERT. E.F. SET 1
A508	20	7-10				WINGS HORIZ. E.F.
A609	4	9-7				WINGS HORIZ. E.F.
A410	4	6-2				WINGS HORIZ. E.F.
A411	4	3-9				WINGS HORIZ. E.F.
A412	4	6-10	X			WINGS DIAG. E.F.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.
B.F. DENOTES BACK FACE.
F.F. DENOTES FRONT FACE.
E.F. DENOTES EACH FACE.



SECTION THRU BODY

PLANS PREPARED BY
AYRES ASSOCIATES Engineers/Architects
Planners/Surveyors
Owen Ayres & Associates Inc.
Eau Claire, Wisconsin

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURE B-35-110

Cons. Spec. 1989
Drawn By G.L.D.
Plans Checked C.B.M.

ABUTMENTS
SHEET 4 OF 9
X 82833