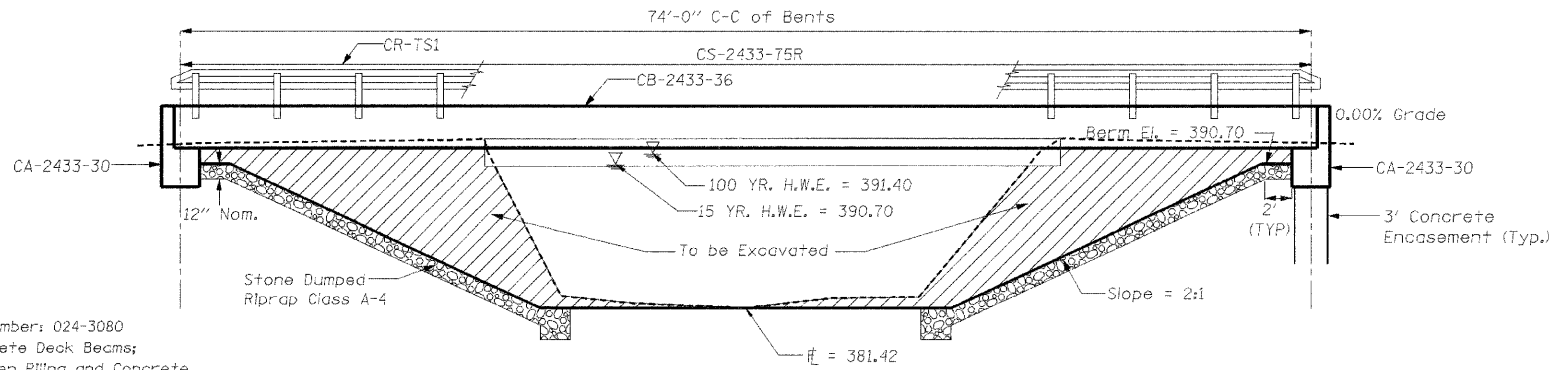


B.M. N.R. ±4+33.95, 11.0' RT. Elev. = 390.58

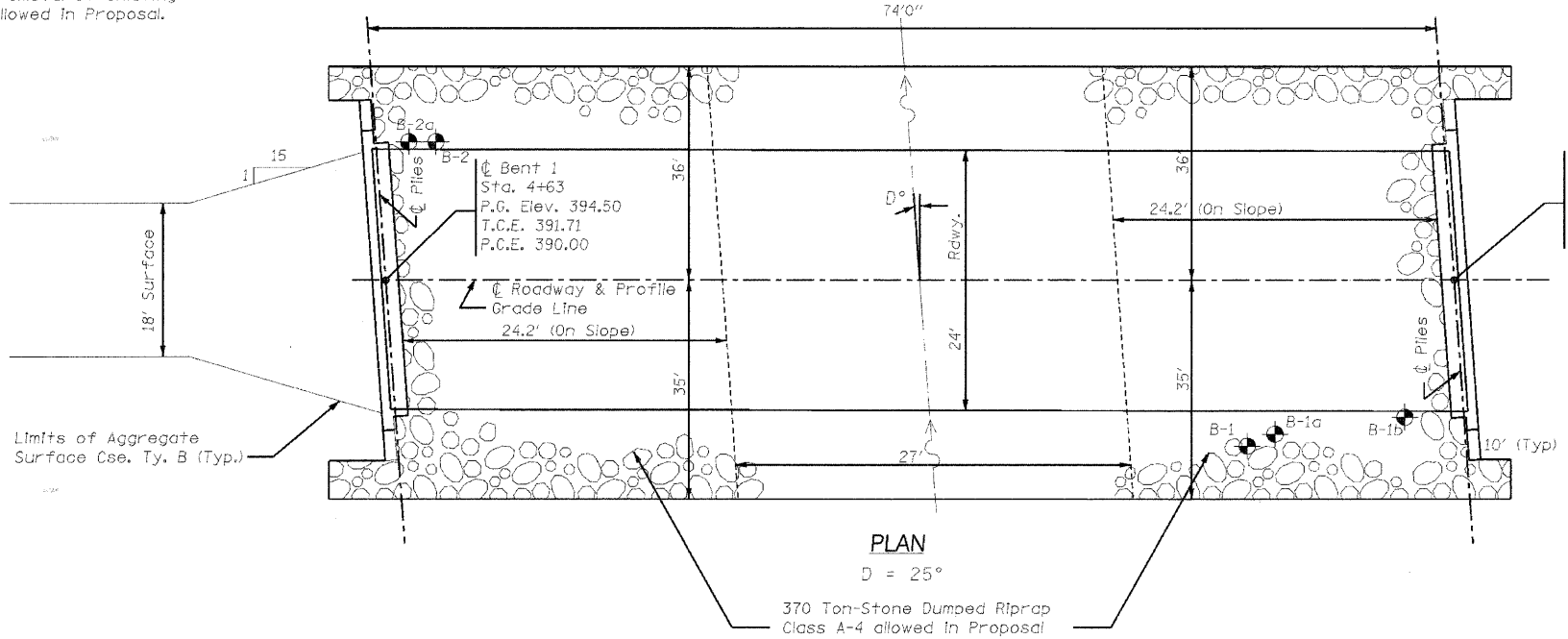


Existing Bridge Sta 5+00; Structure Number: 024-3080
A 38' Single Span Bridge with 21" Concrete Deck Beams;
South Abutment is Concrete with Wooden Piling and Concrete Wings & North Abutment is 3" Wood with Wooden Piling and Wooden Wings.

One (1) each removal of existing structures allowed in Proposal.



ELEVATION



PLAN

SOUTH ABUT. PILE DATA

Type: Steel Piles HP10X42
Nominal Required Bearing: 246 Kips
Allowable Resistance Available: 82 Kips
Estimated Length: 54 Feet/Pile
Number Required: 5

NORTH ABUT. PILE DATA

Type: Steel Piles HP10X42
Nominal Required Bearing: 246 Kips
Allowable Resistance Available: 82 Kips
Estimated Length: 56 Feet/Pile
Number Required: 5

STATION 5+00
WEST VILLAGE CREEK
SEC. 06-00060-00-BR BUILT 20
PROJECT NO. BROS-047(27)
EDWARDS COUNTY
LOADING HS 20-44
STR. NO. 024-3134

LETTERING FOR NAME PLATE

Locate Name Plate at the Southeast Corner of the Bridge (See Sd. CN)

WATERWAY INFORMATION

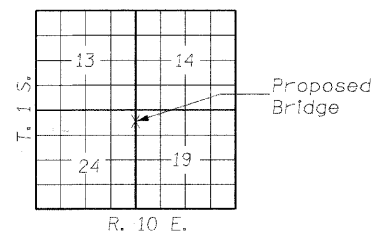
Drainage Area = 29.4 Sq. Mi. Low Grade Elev. = 389.12 At Sta. 1+85									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq.Ft.		Natural H.W.E.	Head-Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	15	3216	230.2	399.1	390.7	9.63	0.49	400.33	391.19
Base	100	5040	230.2	444.5	391.4	23.67	0.95	415.07	392.35
Max. Calc.	500	6513							

GENERAL NOTES

- The Contractor shall drive one test pile, as specified, in a permanent location as directed by the Engineer before ordering the remaining piles.
- See Special Provisions for boring logs.
- A Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for Precast Prestressed Concrete Deck Beams.
- The Hot-Mix Surf. Cse. and the Waterproofing Membrane System shown in these Plans shall not be provided.

Item	Unit	Super	Sub. Piers	Abuts.	Total
Removal of Existing Structures	L Sum				1
Hot-Mix Asphalt Surf. Cse.	Tons				
Waterproofing Membrane System	Sq.Yds.				
Concrete Structures	Cu.Yds.			22.6	22.6
P.P. Conc. Dk. Bm. 33" Dp.	Sq.Ft.	1800			1800
Steel Railing, Type S1	Lin.Ft.	150			150
Reinforcement Bars	Lbs.		2680		2680
Furnishing Steel Piles HP10X42	Lin.Ft.		550		550
Driving Piles	Lin.Ft.		550		550
Name Plates	Each		1		1
Concrete Encasement	Cu.Yds.		2.6		2.6

NOTE: Four (4) Each Curled End Sections required. Item to be included in Steel Railing.



LOCATION SKETCH

INDEX OF SHEETS

- General Plan & Elevation
- Standard CS-2433-75R
- Standard CB-2433-36
- Standard CA-2433-30
- Standard CR-TS1
- Standard CN
- Standard CX-1

NOTE: All items deemed fit for use on other County projects shall become the property of the County. These items shall be stored along the R.O.W. at no additional cost to the project.

NOTE: The Article or Section Numbers Referencing the Standard Specifications for Road and Bridge Construction as shown on the Standard Bridge Plan Sheets Included with the contract plans should be interpreted as referring to the current edition of the Standard Specification (Adopted January 1, 2007) as shown in the "Article/Section No. Reference Table."

ARTICLE/SECTION NO. REFERENCE TABLE

Previous No.	Current No.
504.06	504.06
505.04	505.04
1006.05	1006.05
1006.32	1006.32
1060.07	1060.07
STD 631026	STD 631026

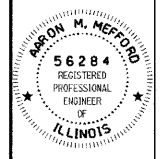
DESIGN SPECIFICATIONS

2002 AASHTO
HS 20-44 Loading, Load Factor Design

405 W. STATE ST. SUITE 1 PRINCETON, IN 47670
PHONE: (812)-386-7611
FAX: (812)-385-2812



PROFESSIONAL LAND SURVEYING FIRM: 048-00082
PROFESSIONAL ENGINEERING CORPORATION: 184-00087



AARON M. MEFFORD
NAME
SIGNATURE
DATE 10-29-07
EXPIRES 11-30-09

COUNTY HIGHWAY 15
WEST VILLAGE CREEK
EDWARDS COUNTY, ILLINOIS

SHEET TITLE:

GENERAL PLAN AND ELEVATION

SCALE: NONE
BY: A.M.M.
DATE: 10/29/07
REV:

5 OF 12 SHEETS

SHEET NO. 5