

B.M. #1 - SW corner of exposed metal on top of retaining wall at the SE corner of existing bridge.
 B.M. #2 - Top of iron pin at Sta. 9+00 25.86' Lt
 B.M. #3 - Top of Railroad spike in power pole (135' ± North of Creek)
 Existing Structure - Two-span, double triangular truss steel stringers with wood decking with concrete abutments and center pier.
 Salvage - Solvable steel to become property of the township.

GENERAL NOTES

- The Contractor shall drive 1 test piles, as specified, located in Bent #1
- See Special Provisions for boring logs.
- A Calcium Nitrate Corrosion inhibitor, as covered in the Standard Specifications for Road and Bridge Construction, Article 1020.05 (b)(12) and Article 1021.06, shall be used in the concrete for precast prestressed concrete deck beams.
- Channel Excavation: This material shall be excavated as shown within the limits of the proposed bridge then tapered to the existing channel at the Roadway R.O.W. It is estimated that 50% of the Channel Excavation will be suitable for use in the embankment. Unsuitable material shall be disposed of by the Contractor.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB.		TOTAL
			PIERS	ABUTS.	
Removal of Existing Structures	Each				1
Concrete Structures	Cu. Yd.			18.2	18.2
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	1200			1200
Steel Railing, Type S-1	Foot	100			100
Reinforcement Bars	Pound			2300	2300
Furnishing Seel Piles HP 10 X 42	Foot			149	149
Driving Piles	Foot			149	149
Test Piles Steel HP 10 X 42	Each			1	1
Name Plates	Each			1	1
Concrete Encasement	Cu. Yd.			2.1	2.1
Channel Excavation	Cu. Yd.			160	160

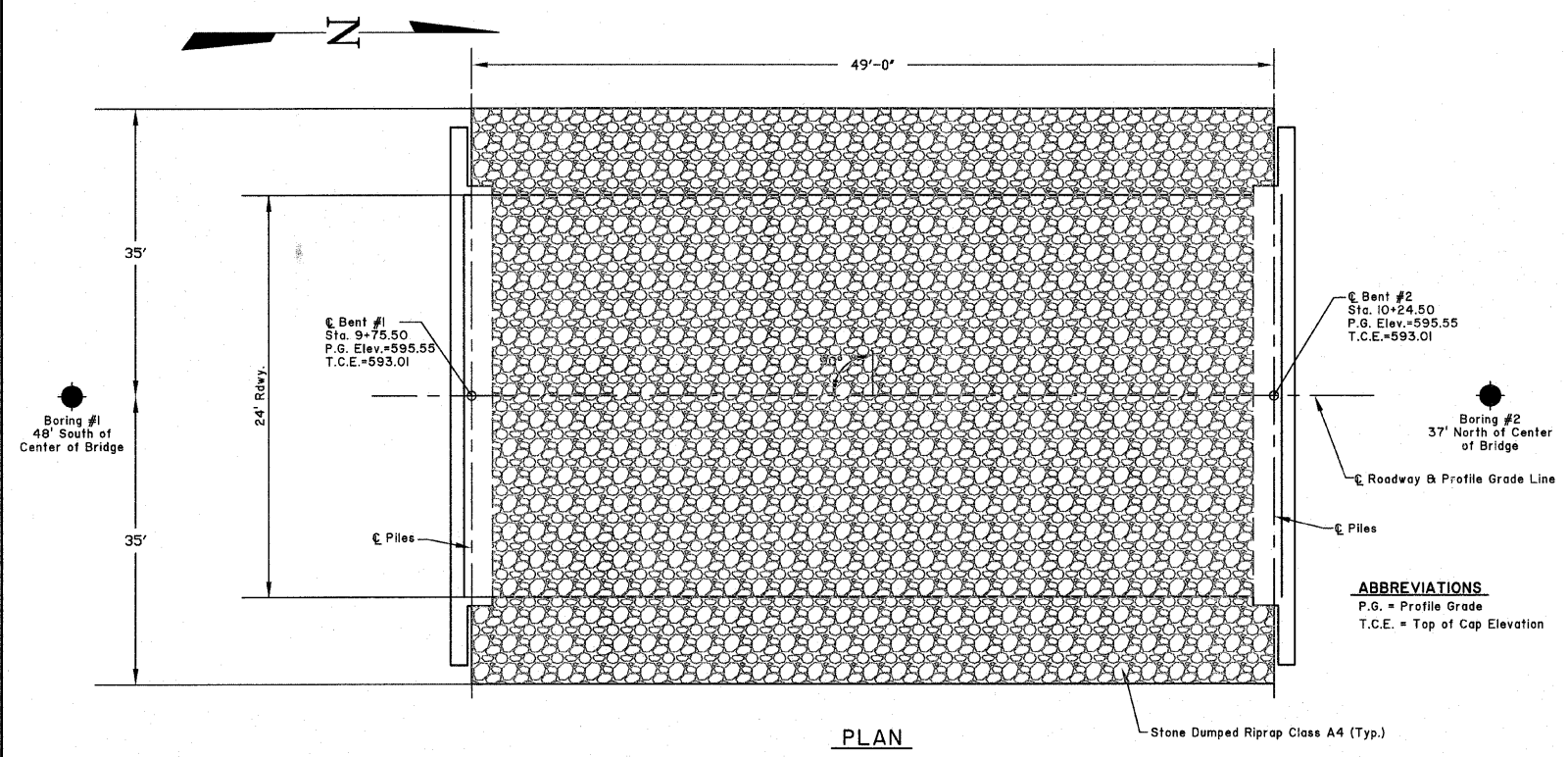
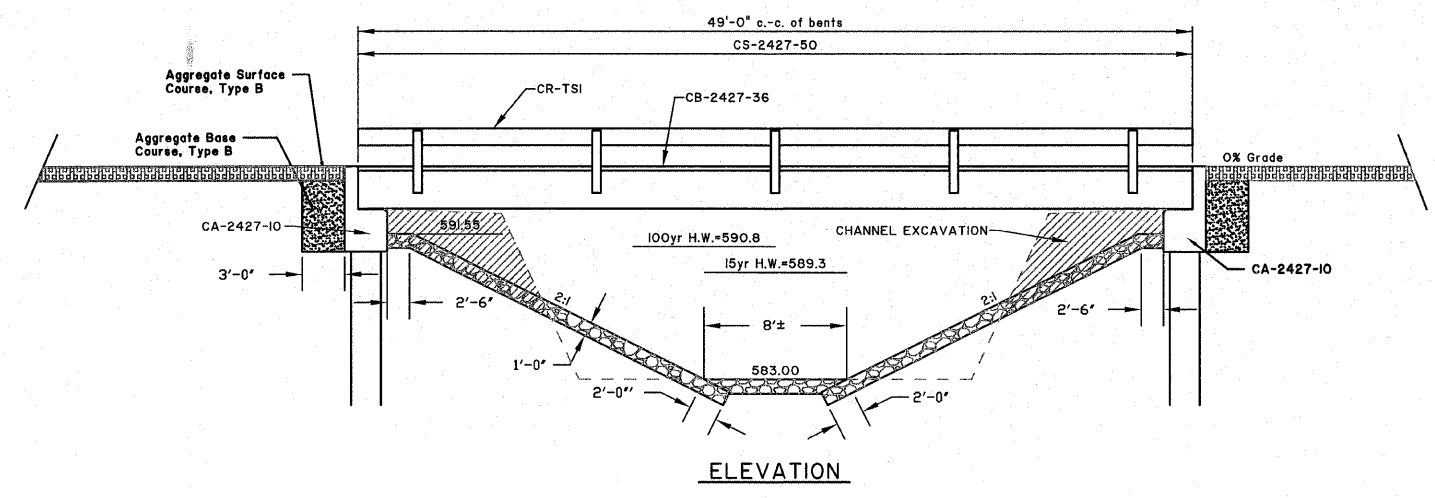
WATERWAY INFORMATION

Drainage Area = 1.6 SQ M; Low Grade Elev. = 595.55 Sta. 10+00

Flood	Freq. Yr.	O		Nat.		Head-Ft		Headwater El.	
		C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
Design	15	795	118	125	590.4	0.2	0.0	590.2	590.0
Base	100	1305	151	180	592.0	0.6	0.3	592.0	591.7
Overtopping									
Max. Calc.	500	1757	175	229	592.5	0.9	0.4	593.4	592.9

INDEX OF SHEETS

- GENERAL PLAN & ELEVATION
- STANDARD CS-2427-50
- STANDARD CB-2427-36
- STANDARD CB-2427-48
- STANDARD CA-2427-10
- STANDARD CR-TSI
- STANDARD CN
- STANDARD CX-1



North Abutment

Pile Type: HP 10x42
 Nominal Required Bearing: 335 kips
 Allowable Resistance Available: 112 kips
 Estimated Length: 19 feet
 Number of Production Piles: 4
 (Includes 1 Test Pile Located in Bent #1)

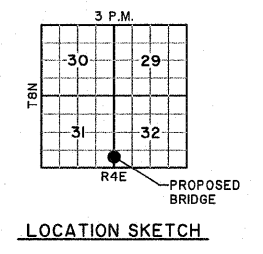
South Abutment

Pile Type: HP 10x42
 Nominal Required Bearing: 335 kips
 Allowable Resistance Available: 112 kips
 Estimated Length: 23 feet
 Number of Production Piles: 4

DESIGN SPECIFICATIONS
 2002 AASHTO SPECIFICATION
 HS20-44 Loading, # Load Factor Design.

ROCK CREEK
 SEC. 02-0810-00-BR BUILT 2008
 MOCCASIN ROAD DISTRICT
 EFFINGHAM COUNTY
 STR. NO. 025-3319 LOADING HS20
 PROJECT BROS - 049(156)

LETTERING FOR NAME PLATE
 Locate Name Plate at the SE Corner of Bridge (See Std. CN)



MILANO & GRUNLOH ENGINEERS, LLC
 84 WEST WASHINGTON
 P.O. BOX 897
 EFFINGHAM, ILLINOIS 62401
 Phone: (217) 347-7262
 (800) 577-2214
 Fax #: (217) 342-3433
 Web Address: www.mgengineers.com
 Design Firm #: 184-00308
 File name: S:\DWG\03\03234\dwg\Bridg Plan.dwg
 Plot date: 08/22/07 at 08:05

GENERAL PLAN AND ELEVATION
 TR ROUTE 4B
 ROCK CREEK
 SECTION 02-0810-00-BR
 EFFINGHAM COUNTY, ILLINOIS