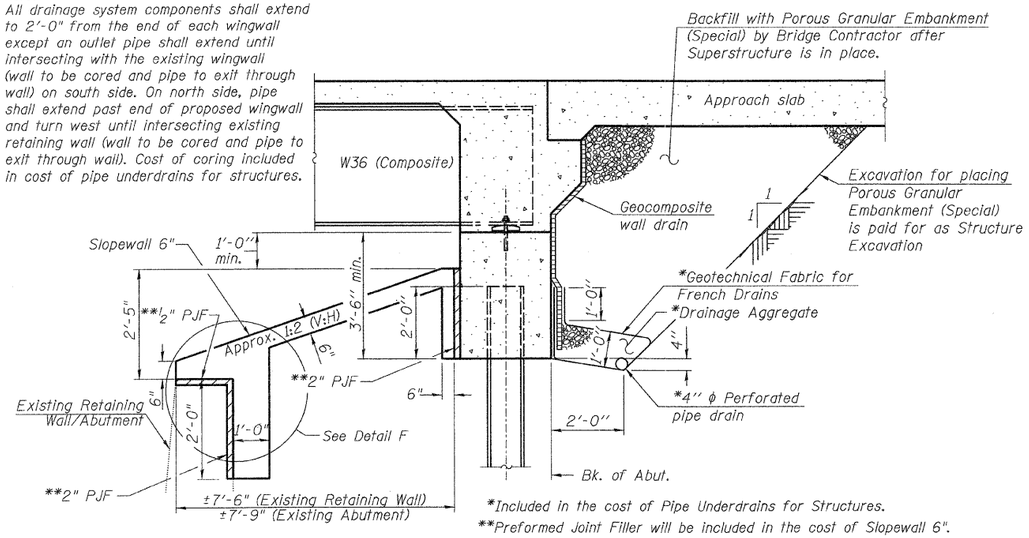
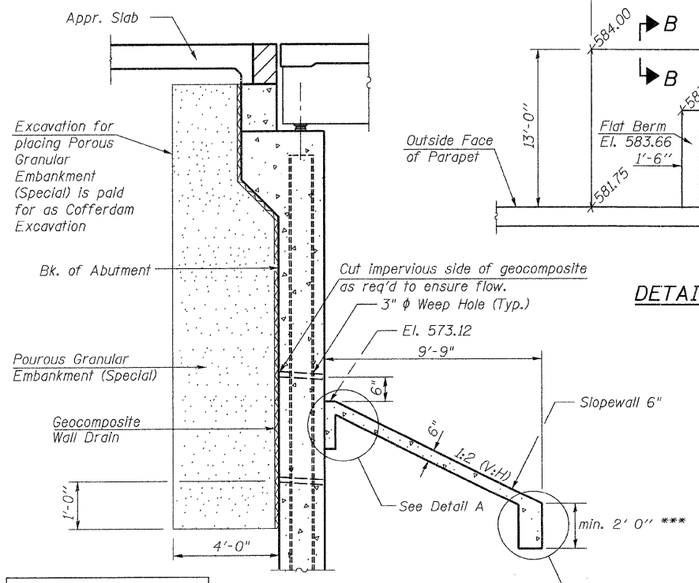
Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the existing wingwall (wall to be cored and pipe to exit through wall) on south side. On north side, pipe shall extend past end of proposed wingwall and turn west until intersecting existing retaining wall (wall to be cored and pipe to exit through wall). Cost of coring included in cost of pipe underdrains for structures.



*Included in the cost of Pipe Underdrains for Structures.
**Preformed Joint Filler will be included in the cost of Slopewall 6".

SECTION THRU EAST ABUTMENT

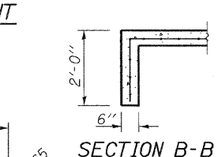


DESIGNED	NPH/CTM
CHECKED	BAN
DRAWN	NPH/RMD
CHECKED	BAN

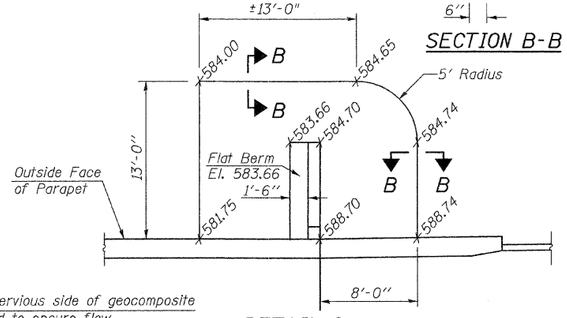
***The Toe of the Slope Wall will be at least 2'-0" long and extend further where required to reach bed rock.

SECTION THRU WEST ABUTMENT

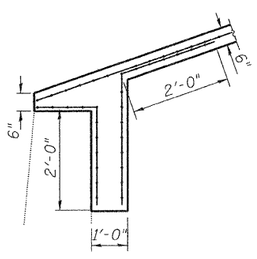
(Drainage Detail behind wingwalls similar to abutment)



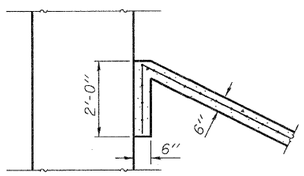
SECTION B-B



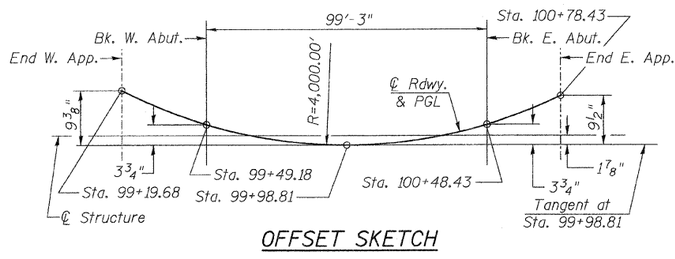
DETAIL C



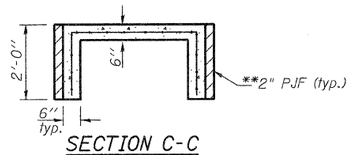
DETAIL F



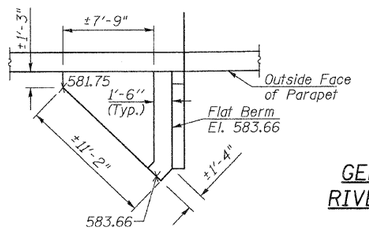
DETAIL A



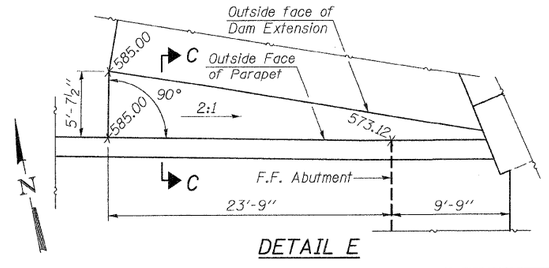
OFFSET SKETCH



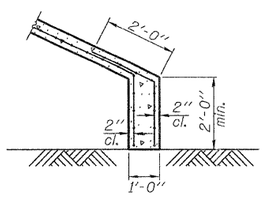
SECTION C-C



DETAIL D



DETAIL E



DETAIL B

GENERAL NOTES

All structural steel shall be AASHTO M 270 Grade 50W except expansion joints which shall be AASHTO M 270 Grade 50. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".

Calculated weight of Structural Steel = 129,740 lbs. Grade 50W.

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts in painted areas and M164 Type 3 in unpainted areas. Bolts $\frac{3}{4}$in. ϕ, holes $\frac{15}{16}$in. ϕ, unless otherwise noted.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.

Reinforcement bars designated (E) shall be epoxy coated.

Structural steel at east abutment beam end shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 in. Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temorarily disconnected to install bearing anchor rods.

Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.

Concrete Sealer shall be applied to the bearing seats and backwall of the west abutment.

All structural steel and exposed surfaces of bearings within a distance of 9 ft. each way from the west abutment deck joint shall be painted as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".

Slopewall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft. Cost included with Slopewall.

Proposed Dam Extension shall be completed prior to removal of existing structure. (See Dam Extension Plans).

Slip forming of bridge parapets will not be allowed.

TOTAL BILL OF MATERIAL

	ITEM	UNIT	SUPER	SUB	TOTAL
(1)	Removal of Existing Structures	EACH	——	——	1
	Concrete Removal	CU YD	——	11.0	11.0
	Structure Excavation	CU YD	——	90	90
	Concrete Superstructure	CU YD	217.0	——	217.0
	Concrete Structures	CU YD	——	166.5	166.5
	Furnishing Steel Piles HP 12x53	FOOT	——	102	102
	Furnishing Steel Piles HP 14x89	FOOT	——	536	536
(1)	Setting Piles in Rock	EACH	——	26	26
	Concrete Encasement	CU YD	——	25.0	25.0
	Furnishing and Erecting Structural Steel	L SUM	1	——	1
	Concrete Sealer	SQ FT	——	165	165
	Bar Splicers	EACH	34	31	65
	Anchor Bolts, 1"	EACH	——	24	24
	Reinforcement Bars, Epoxy Coated	POUND	50,590	17,800	68,390
	Stone Riprap, Class A5	TON	——	90	90
	Filter Fabric	SQ YD	——	60	60
	Protective Coat	SQ YD	658	——	658
	Bridge Deck Grooving	SQ YD	307	——	307
	Stud Shear Connectors	EACH	1,062	——	1,062
	Name Plates	EACH	1	——	1
(1)	Porous Granular Embankment, Special	CU YD	——	190	190
(1)	Pipe Underdrains For Structures 4"	FOOT	——	66	66
(1)	Geocomposite Wall Drain	SQ YD	——	162	162
	Slope Wall 6 Inch	SQ YD	——	120	120
	Preformed Joint Strip Seal	FOOT	33	——	33
	Elastomeric Bearing Assembly, Type I	EACH	——	6	6
(1)	Cofferdam (Type 2) (Location - 2)	EACH	——	1	1
	Cofferdam Excavation	CU YD	——	465	465

(1) See Special Provisions

GENERAL NOTES & DETAILS
RIVER RD. (F.A.U. 3799) OVER BLACKBERRY CREEK
SECTION 08-00036-00-BR
KENDALL COUNTY
STATION 99+98.81

SHEET NO. 2	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
23 SHEETS	FAU 3799	08-00036-00-BR	KENDALL	54	23
		SN 047-6500	CONTRACT NO. 87509		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT BRM-9003(883)		

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