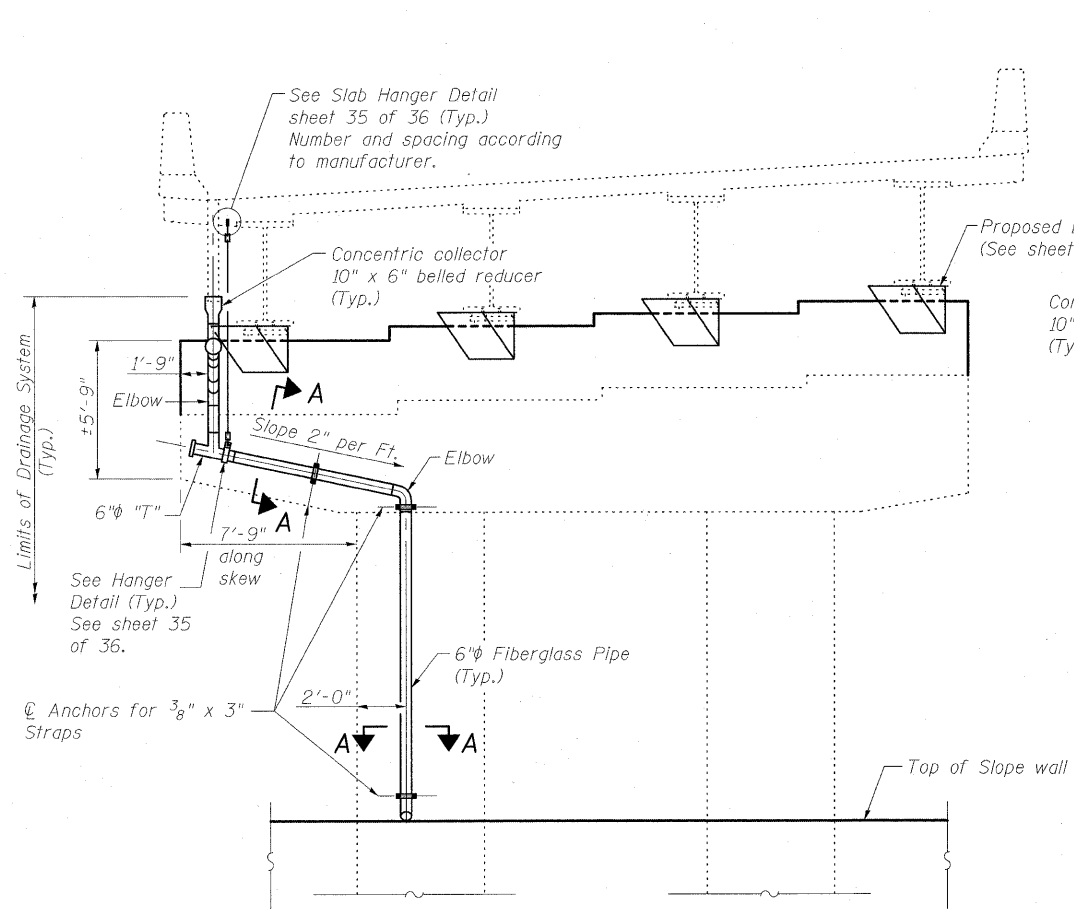
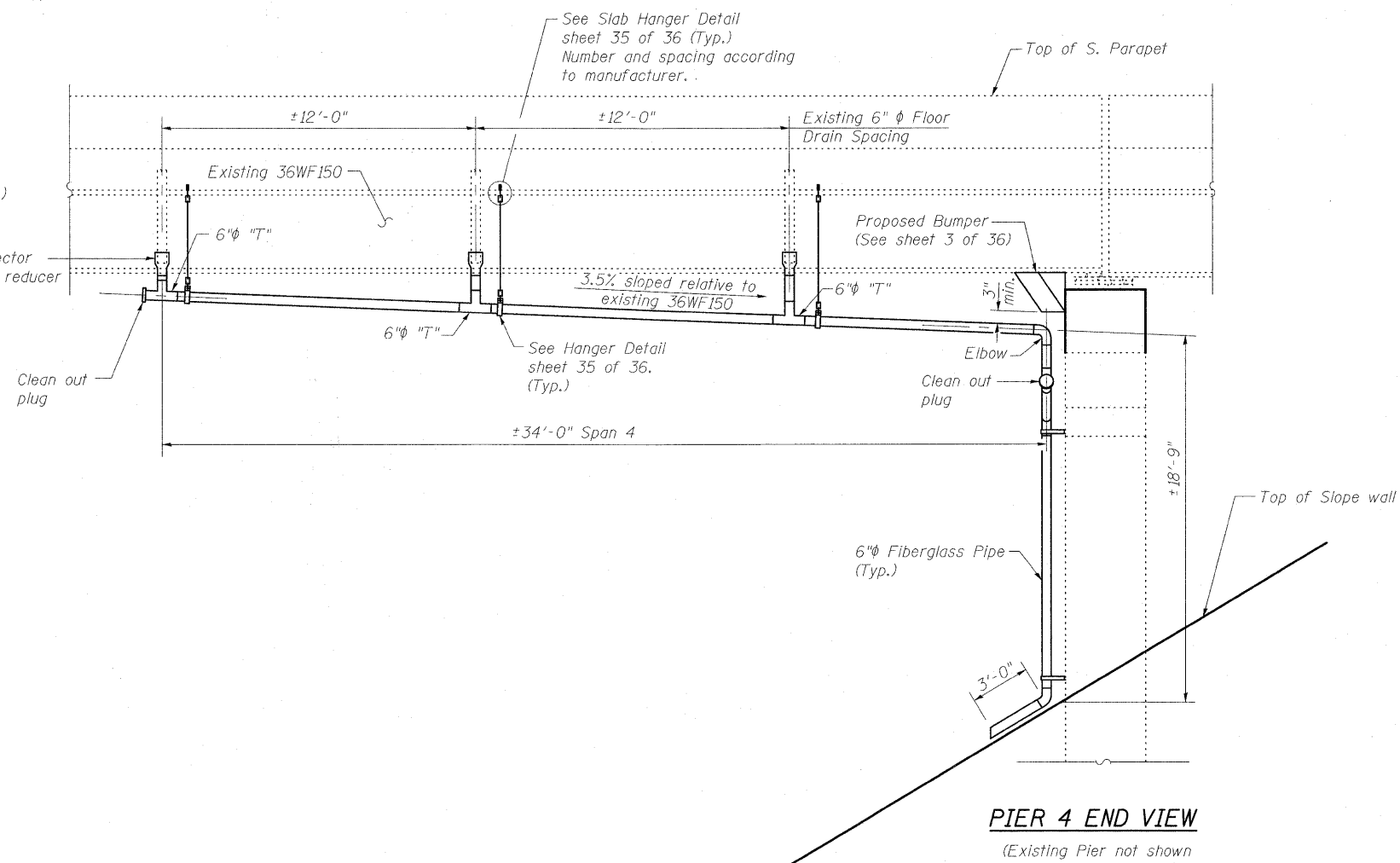


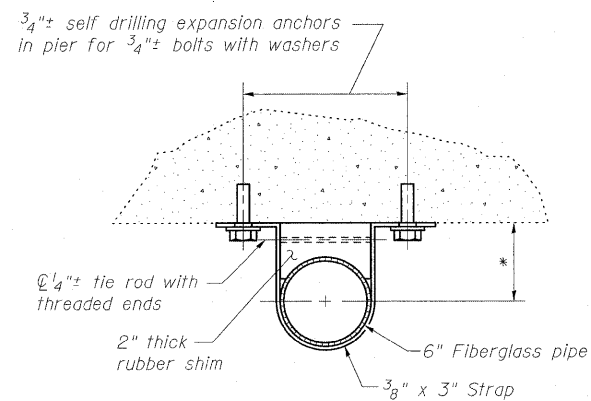
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**PIER 4 ELEVATION**  
(Looking West)



**PIER 4 END VIEW**  
(Existing Pier not shown on skew for clarity.)



**SECTION A-A**

**Notes:**

The surface of the fiberglass pipe and fittings shall be free of bond inhibiting agents.

The pipe and fittings shall be reinforced fiberglass according to ASTM D 2996 RTRP with 30,000 p.s.i. minimum short-time rupture strength hoop tensile stress.

The reinforced fiberglass shall also have an apparent stiffness factor at 5 percent deflection exceeding 200 cu. in.-lb/sq. in. and a minimum wall thickness of 0.10 in.

The pay item "Drainage System" shall include providing and installing 6"± pipe, 6"± T's, elbows, expansion collars and reducers, clean outs, inserts, straps, hangers and all other necessary items to complete the underdeck drainage system. See Special Provisions. The clamping devices, hangers, inserts and the straps shall be hot dipped galvanized in accordance with AASHTO M-232.

Bolts, washers and nuts for "Drainage System" shall conform to the requirements of ASTM A-307.

The exterior surfaces of the fiberglass pipes and fittings for the "Drainage System" shall be pigmented through out or have a resin-rich pigmented exterior coat, specifically designed for overcoating fiberglass, as recommended by the manufacturer. The color shall be as specified by the Engineer. The resin in either case shall have an ultraviolet absorber designed to prevent ultraviolet degradation. The supplier shall certify the material supplied meets these requirements.

DESIGNED	B.B.
CHECKED	C.J.F.
DRAWN	W.J.S.
CHECKED	C.J.F. & B.B.



**BERNARDIN  
LOCHMUELLER &  
ASSOCIATES, INC.**

3 Oak Drive  
Meryville, IL 62062-5635  
Local (618) 288-4665  
Fax 618-288-4666

**SPAN 4  
DRAINAGE SYSTEM  
STRUCTURE NO. 025-0018**

SHEET NO. 34 36 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	57	(25-3HB)I-3	EFFINGHAM	1416	1415
SN 025-0018			CONTRACT NO. 74296		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					