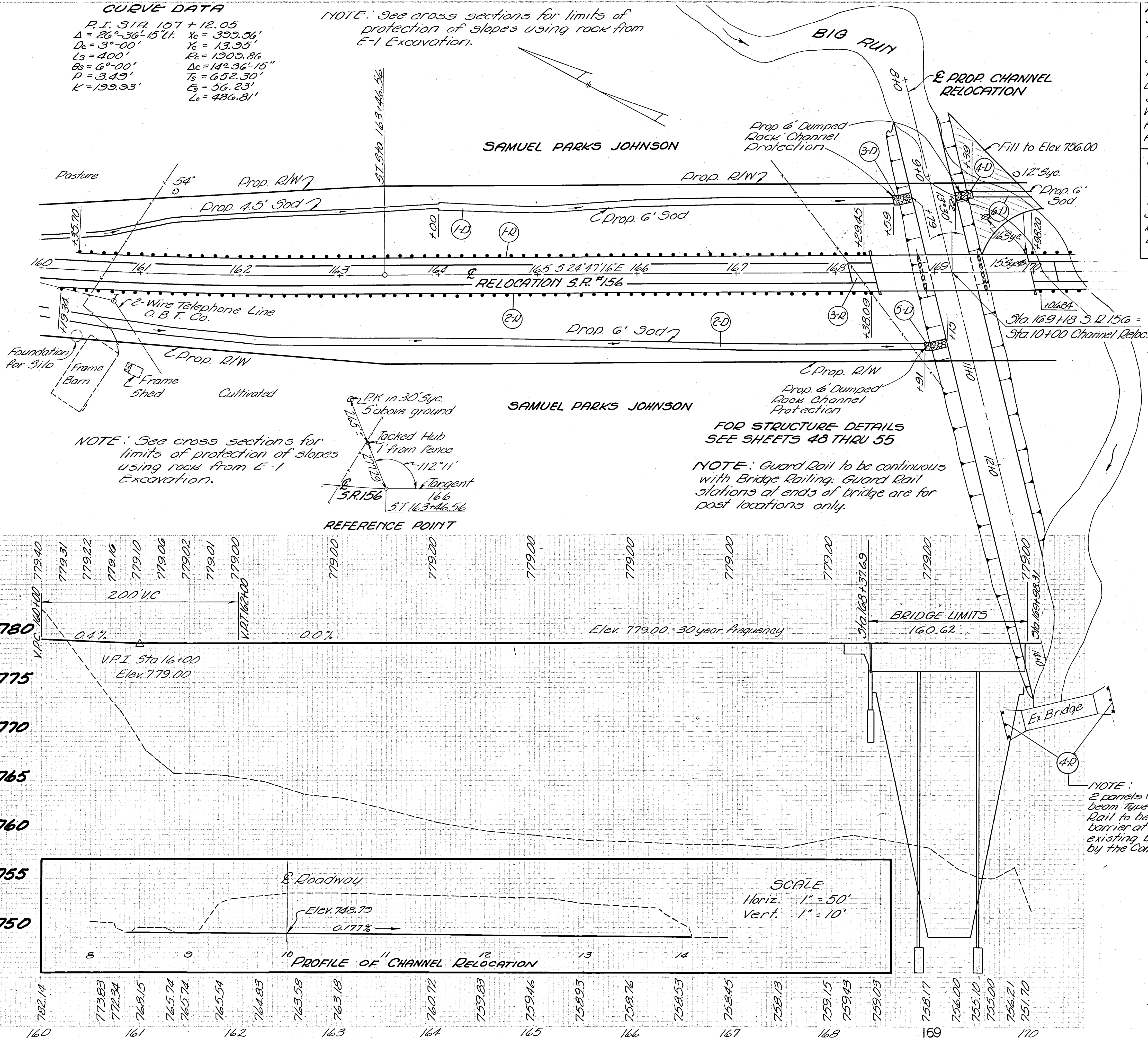


CURVE DATA

P.I. STA 157+12.05
 $\Delta = 26^\circ 36' 15''$ Lt. $X_c = 339.56'$
 $D_c = 3^\circ 00'$ $Y_c = 13.95'$
 $L_s = 400'$ $E_c = 1205.86'$
 $D_s = 6^\circ 00'$ $\Delta_c = 14^\circ 36' 15''$
 $P = 3.49'$ $T_s = 652.30'$
 $K = 199.93'$ $E_s = 56.23'$
 $L_c = 486.81'$

NOTE: See cross sections for limits of protection of slopes using rock from E-1 Excavation.



PROPOSED BRIDGE DATA
STRUCTURE NO. MUS-156-0319
 Type: Continuous Steel Beam with
 Reinf. Conc. Deck & Substructure.
 Span: 48'-0" - 60'-0" - 48'-0"
 Roadway: 36'-0" Ht of Guard Rail
 Load Frequency: C-F-130-57
 View: 13'-30" R.F.
 Wearing Surface: 3/4" Monolithic Concrete
 Approach Slabs: A5-154 (25' Long)
 Alignment: Tangent.

EXISTING BRIDGE DATA
MUS-156-0324
 Type: Pony Truss
 Span: 73'-10"
 Roadway: 20'-0" Ht of Guard Rail
 Disposition: To remain in place and
 barricade both approaches.

MUSKINGUM COUNTY
MUS-156-2.85

ROADWAY QUANTITIES

Reference Number	Station to Station	Side	Reinforced Conc. Approach Slabs	Guard Rail Steel Beam Type (Deep)	Subbase
1-R	160+35.70 to 170+00	Lt.	303.68		
2-R	160+19.34 to 170+00	Rt.	820.04		
3-R	168+12.69 to 168+37.69	Rt.	55.55	4.59	
4-R	Existing Bridge	Rt.		50	
TOTALS			55.55	1673.72	4.59
* Carried to Sheet No. 49					

DRAINAGE QUANTITIES

Reference Number	Station to Station	Side	Dumped Rock Channel Protection	Sodding
1-D	160+0 to 168+59	Lt.	506	
2-D	160+0 to 168+91	Rt.	594	
3-D	168+59 to 168+79	Lt.	7	
4-D	169+22 to 169+39	Lt.	6	
5-D	168+91 to 169+15	Rt.	8	
6-D	169+39 to 170+0	Lt.		41
TOTALS			21	1141

NOTE: 2 panels (25 Lin. Ft.) of steel beam Type (Deep) Guard Rail to be erected as a barrier at each end of the existing bridge as directed by the Contracting Officer.

REVISION		DATE	DESCRIPTION	BY
U. S. ARMY ENGINEER DISTRICT, HUNTINGTON CORPS OF ENGINEERS HUNTINGTON, W. VA.				
DRAWN BY: EER		LICKING RIVER DILLON RESERVOIR PROJECT		
TRACED BY:		RELOCATION OF OHIO STATE ROUTE NO. 156 (Section 3 & 4)		
CHECKED BY: EER		DATE: JULY 1959		
SUBMITTED BY: Elmer S. Barrett		APPROVED: [Signature]		
ELMER S. BARRETT ASSOCIATES		CHIEF ENG. DIV.		
RECOMMENDED: [Signature]		COL. C.E. DISTRICT ENGINEER		
ELMER S. BARRETT ASSOCIATES CONSULTING ENGINEERS CHILLICOTHE, OHIO		SCALE: 1"=50' 1"=10'		
		SPEC. NO. DRAWING NUMBER 027f-UD6-68/21 SHEET 21 OF 62		

WORK AS CONSTRUCTED

PLAN & PROFILE - STA. 160+00 TO STA. 170+00