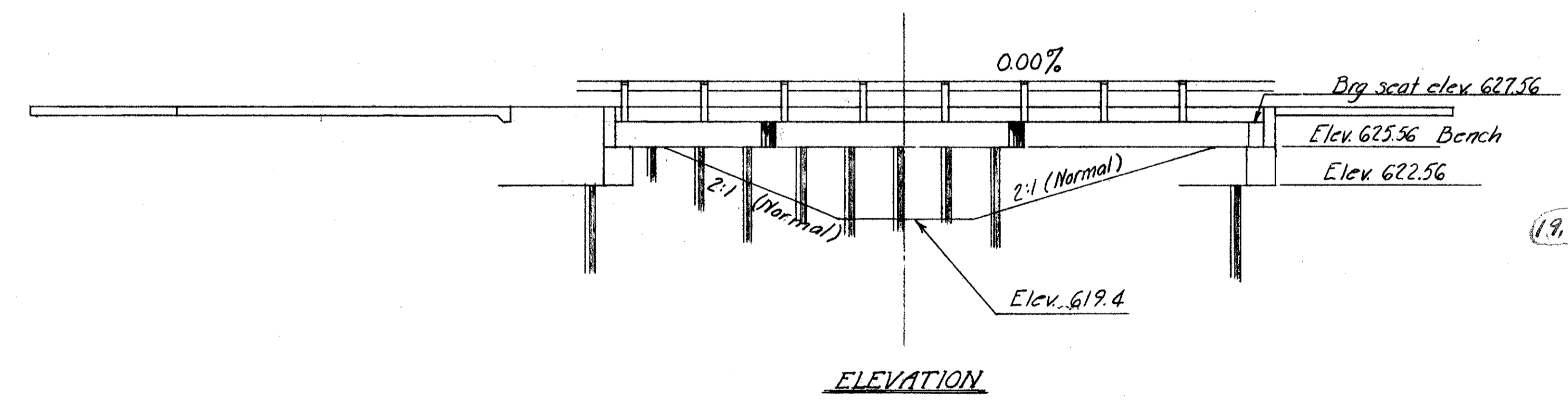
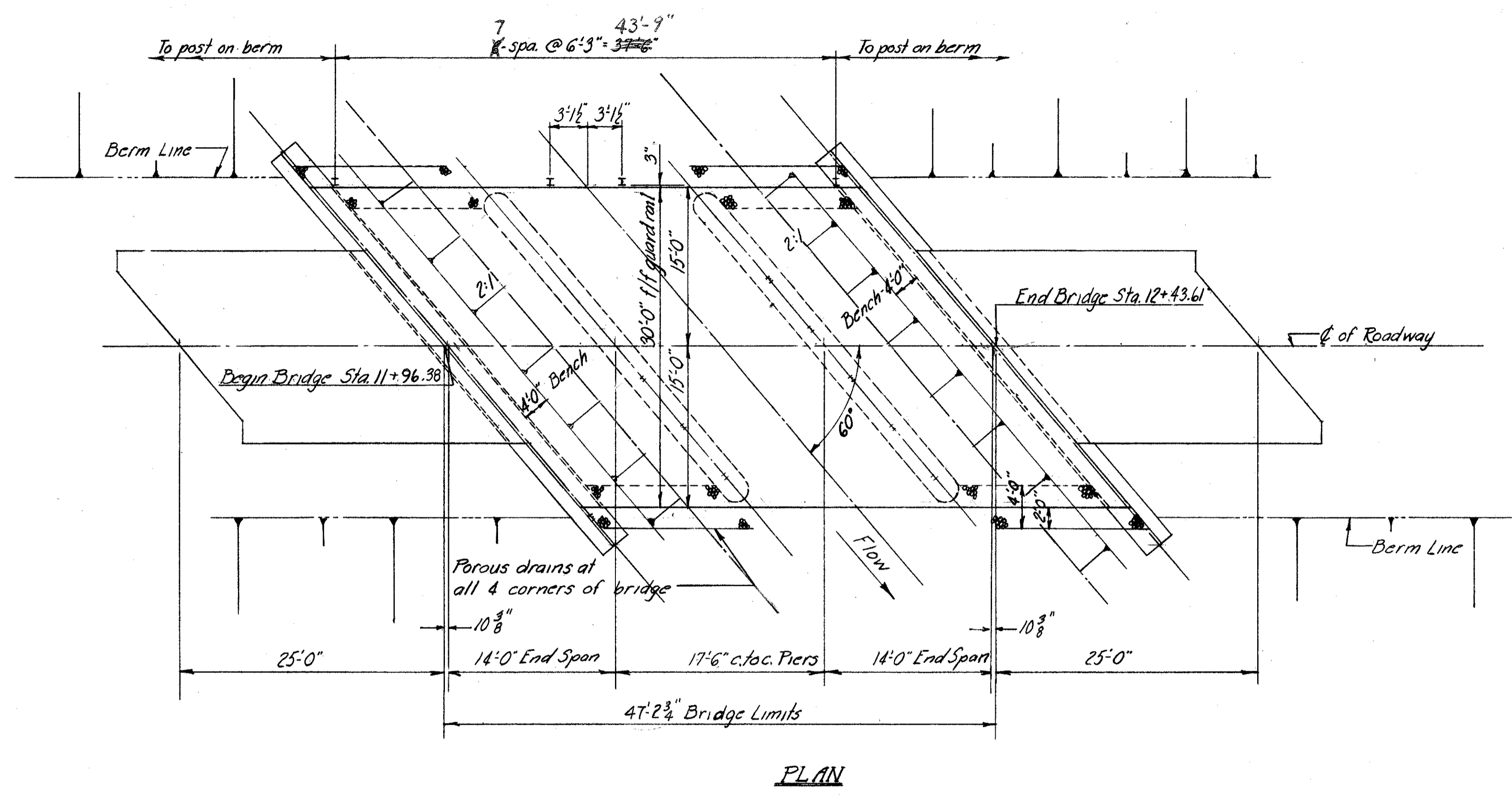
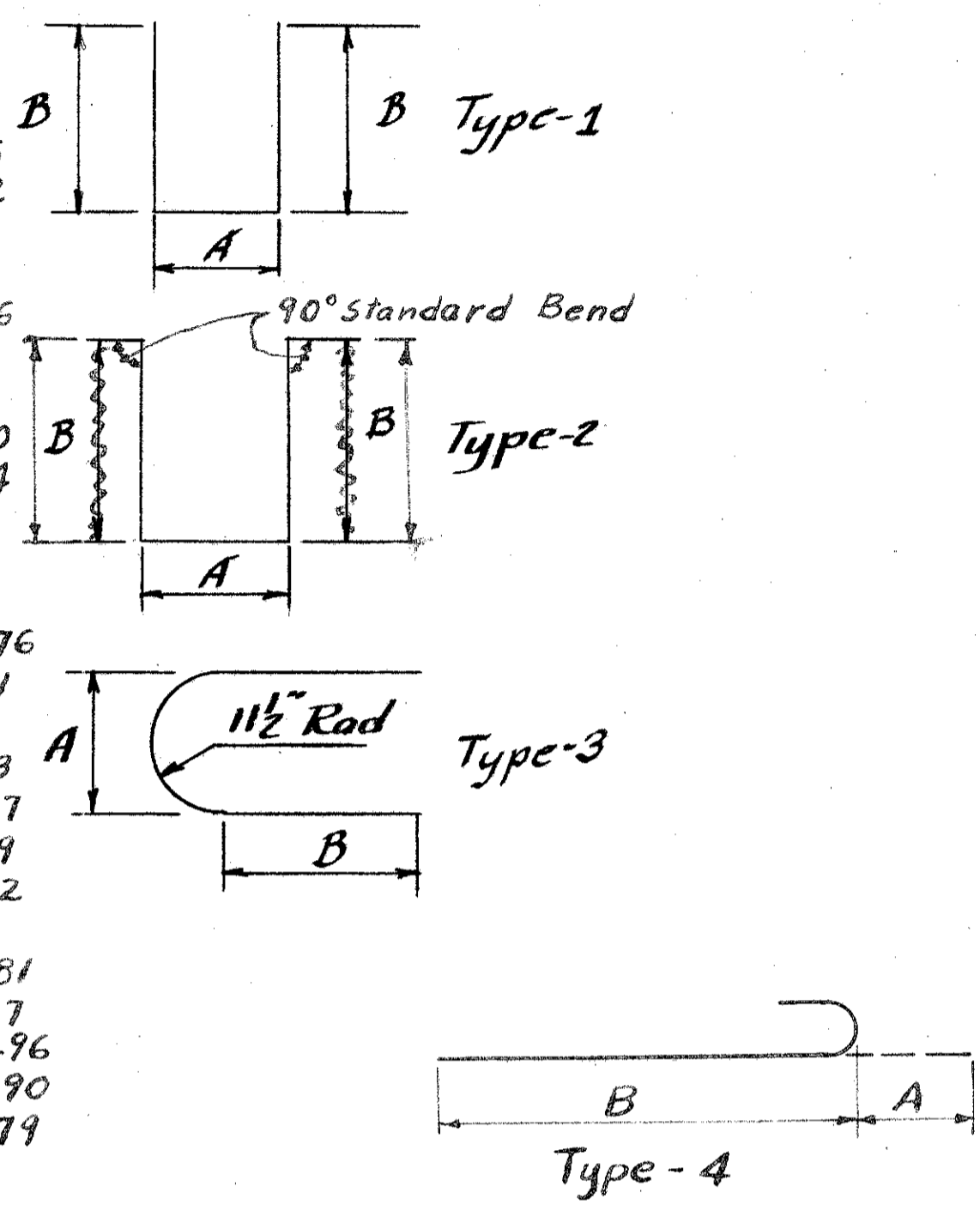


LAKE COUNTY
SEC. LAK.-2-7.39



Mark	No.	Length	Type	A	B	Weight
A501	8	9'-4 1/2"	Str.			78
A502	24	6'-8"	1	11 1/2	2'-10 1/2"	167
A503	16	4'-1"	Str.			68
A504	16	21'-0"	Str.			396
A505	16	21'-6"	Str.			399
A506	8	17'-4"	Str.			145
A507	24	7'-11"	1	1'-8"	3'-1 1/2"	232
A508	16	17'-3"	Str.			1785
A509	48	5'-5"	1	1'-9 1/2"	1'-10"	175
A510	24	11'-6 7/8"	1	2'-8 1/2"	2'-1 1/2"	796
A511	12	8'-5"	1	2'-2 1/2"	3'-1 1/2"	102
A512	24	5'-4"	Str.			89
P501	4	20'-9"	Str.			120
P502	44	8'-8 7/8"	2	2'-2 1/2"	2'-10 1/2"	394
P503	8	28'-9"	Str.			780
P504	48	5'-5"	1	1'-9 1/2"	1'-11 1/2"	174
P505	8	6'-4"	3	2'-0 1/2"	1'-7 1/2"	52
S701	24	14'-6 7/8"	Str.			2876
S702	28	12'-2 1/2"	Str.	4	10	691
S703	28	9'-6"	Str.			544
S704	28	13'-8 1/4"	Str.	4	10	773
S705	28	8'-6"	Str.			487
S606	24	10'-8 1/4"	Str.			379
S607	12	9'-8 1/4"	Str.			162
S808	24	12'-3"	Str.			1570
S809	24	7'-8 1/4"	Str.			481
S810	24	6'-8 1/4"	Str.			417
S611	56	27'-8"	Str.	(A)		2496
S612	60	14'-2 1/2"	Str.	X-section		1490
P1001	8	20'-0"	Str.			998
S613	20	5'-0"	Str.			150



Item	Total	Unit	Description	Superstr.	Abuts.	Piers	Gen.
E-3	166	Cu. Yd.	Channel excavation				166
S-29	5	Cu. Yd.	Porous drains on embankment slopes				5
E2	117	Cu. Yd.	Unclassified Excavation		117		
S-1	4769	Cu. Yd.	Class "C" Concrete	5743		12	
S-1	4040	Cu. Yd.	Class "E" Concrete	(12,516)	4640		
S-4	19,522	Lbs.	Reinforcing Steel	8,198	4,065	2,400	(2,699)
S-12	94.46	Lbs.	Railing (Type I-15.13 with galvanized steel posts and bolts)		94.46		(3307)
S-18	564	Lbs.	1 1/2" Cast-in-Place Reinforced Conc. Piles		264	300	
S-29	22	Cu. Yd.	Porous Backfill			22	
S-16		Lump Sum	First test Pile				Lump

GENERAL NOTES:

Design Specification: This structure conforms to the requirements of "Design Specifications For Highway Structures" of the State of Ohio, Department of Highways, dated 9-1-57, together with revisions thereof dated 2-21-58.

Excavation Quantities include the removal of fill material required for construction of the abutments.

Piles shall be driven to a minimum bearing capacity of 20 tons per pile for all piers & Abutments.

Procedure: The embankment shall be placed and compacted up to the finished spill-thru slope and to the level of the subgrade for a distance of 100 feet back of the abutments, after which piling for the foundations shall be driven. All piling for the pier & Abutment foundations shall be driven before any of the sub-structure concrete is placed.

Porous Backfill, 2' thick, full length of abutment and wings shall extend up to the underside of the approach slab or to the finished ground surface. Excavation therefor, in excess of that required for construction of the abutment, shall be considered as paid for in the bid price per cu. yd. paid for porous backfill.

POROUS DRAINS
Porous drains, extending from face of abutments to Elev. 619.4 shall be provided at all four corners of the bridge. The drains shall be 4 ft. wide, one foot thick, and centered under the edge of the deck.

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR
STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

GENERAL PLAN
RELOCATED VINE ST. - NORTH
LAKE COUNTY STA. 12+20

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
				10-3-58	4-1-59