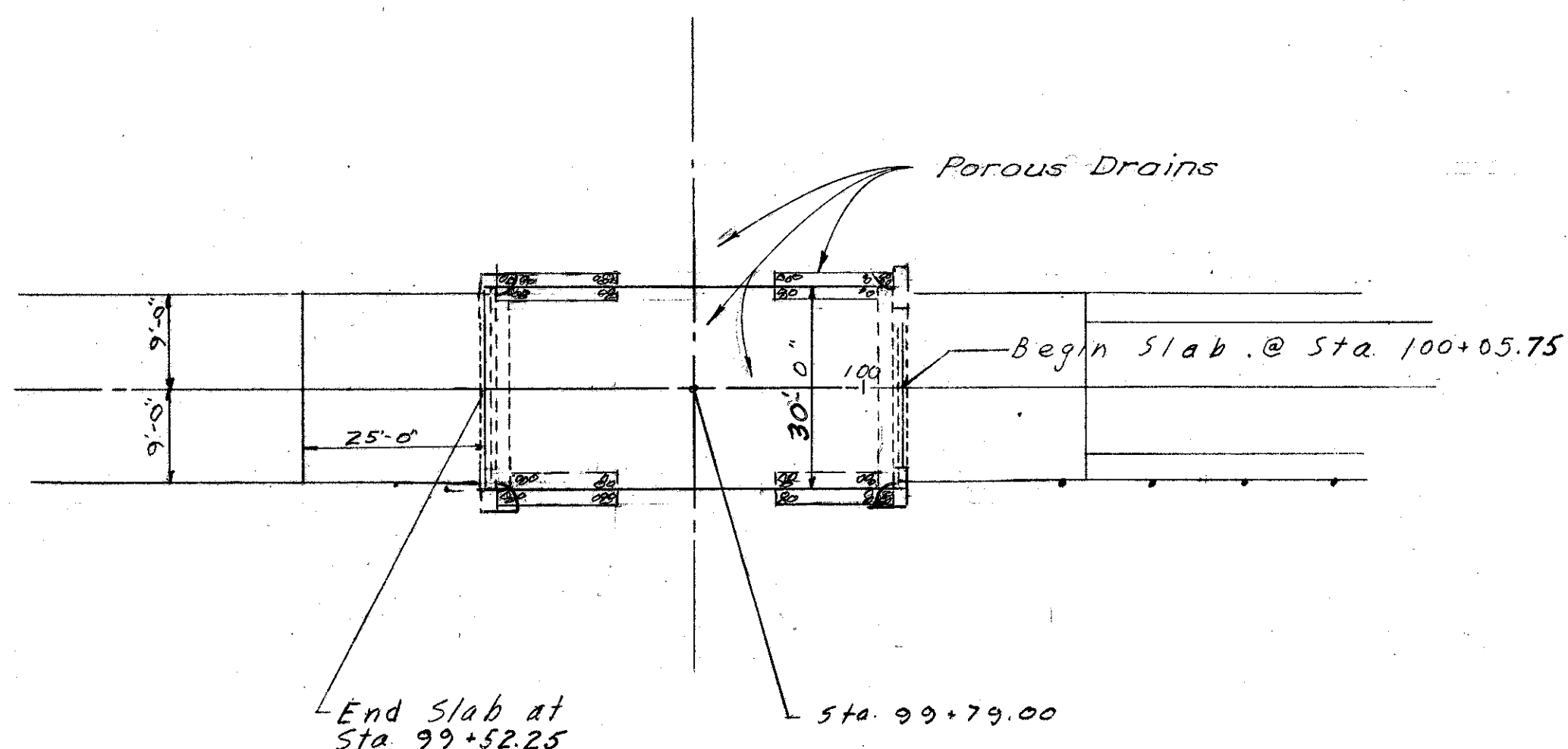
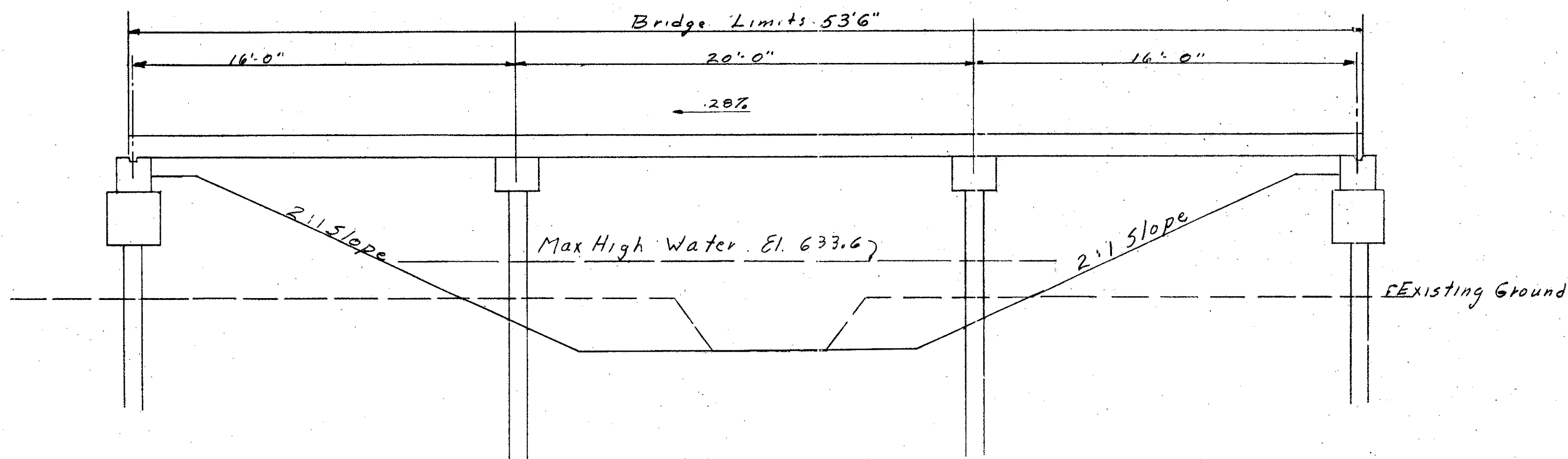


LAKE COUNTY
SEC LAK-2-7.39



GENERAL PLAN



ELEVATION

Mark	No.	Shape	Size	Weight	Length	A	B	C
B501	40	Str	5		24'-0"			
B801	76	4	8		25'-7"	11"	216	

Note: Pier Bar Schedule is for one pier.

Mark	No.	Shape	Size	Weight	Length	A	B	C
P401	24	1	4	87	5'-5"	1'-9"	1'-11"	
P501	2	Str	5	55	26'-6"	6"		
P502	24	2	5	225	210	2'-10"	2'-2"	
P503	4	3	5	26	6'-4"	1'-7"	2'-0"	
P901	4	Str	9	360	26'-6"			
P1001	4	Str	10	508	29'-6"			
				Total Weight	1246			

Mark	No.	Shape	Size	Weight	Length	A	B
A401	48	1	4	174	5'-5"	1'-11"	1'-9"
A501	8	Str	5	297	35'-8"		
A502	116	1	5	796	6'-7"	2'-8"	2'-8"
A503	8	Str	5	126	15'-1"		
A504	24	Str	5	134	5'-4"	1'-8"	
A505	26	1	5	215	7'-11"	3'-3"	
A506	8	Str	5	71	8'-6"		
A507	16	Str	5	80	4'-11"	2'-2"	
A509	2016	1	5	141	8'-5"	3'-3"	3'-3"
A801	8	Str	8	761	35'-8"		
A1001	8	Str	10	1226	35'-8"		
				Total Weight	4133		

Mark	No.	Shape	Size	Weight	Length	A	B
S601	41	Str	6	1820	29'-6"		
S602	13	Str	6	195	10'-0"		
S603	26	Str	6	446	11'-5"		
S604	52	Str	6	2304	29'-6"		
S701	77	Str	7	3029	19'-3"		
S702	15	Str	7	476	15'-6"		
S703	15	Str	7	337	11'-0"	15'-3"	
S704	30	4	7	1002	935	14'-5"	
S705	30	4	7	1002	838	12'-10"	
S801	44	Str	8	1650	1645	13'-8"	
S802	26	Str	8	521	7'-6"	14'-0"	
S803	26	Str	8	590	8'-6"		
				Total Weight	13136		

Notes.

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

Porous Backfill shall extend upward to the approach slab & to the surface of the earth shoulders, and outward to the surface of the embankment slopes. Excavation therefore, 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.

Bar Size is indicated in the bar mark. The first digit where three digits are used, and the first two digits where four digits are used, indicate the bar size number. For example, A700 is a No. 7 size bar and A1014 is a No. 10 size.

PIER PILE ENCASEMENT as shown on Std. dwg. No. P-1-54 may be omitted provided that the tapered portion, if any, of all pier piles does not extend above the stream bed or the proposed surface of the ground. If the tapered portion of any pile extends above these limitations, the encasement will be required for all the pier piles. If the encasement is omitted the pile casings shall have a thickness of metal not less than No. 7 gauge, and the painting of the piles shall extend to low water elevation or, if the proposed surface of the ground is above low water, the painting shall extend to at least one foot below the proposed surface of the ground.

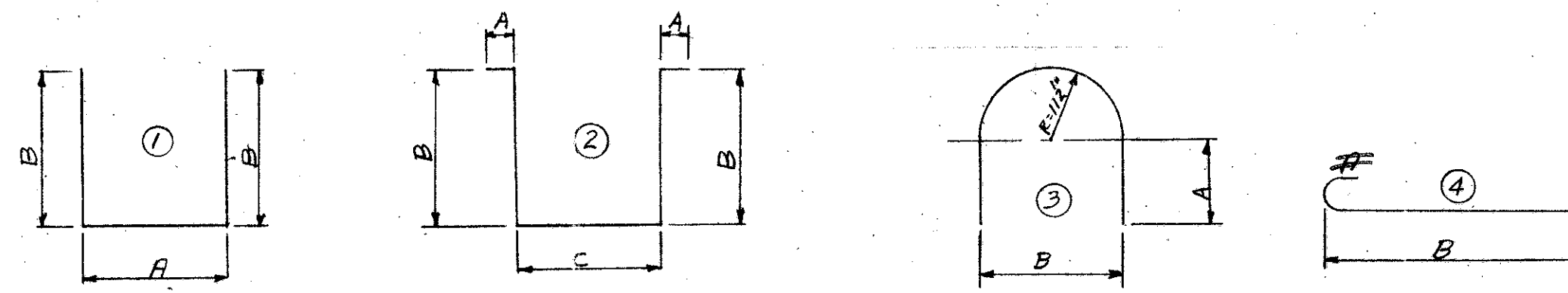
EXCAVATION QUANTITY includes the removal of fill material between the top of the earth bench and the bottom of the abutment crossbeam.

REFERENCE shall be made to Standard Drawings CS-1-54 Rev. 7-16-56, P-1-54 Rev. 12-1-54.

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 200 feet back of the abutments, after which excavation shall be made for the abutment and for the earth bench.

All piling shall be 14" cast-in-place reinforced concrete piles. Minimum bearing capacity shall be 30 tons per pile.

POROUS DRAINS, extending from face of abutment to Elev. 629 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.



ITEM	TOTAL	UNIT	DESCRIPTION	SUPER	ABUTS	PIERS	GEN
E-2	136	Cu Yd	Unclassified Excavation		136		
S-1	75	Cu Yd	Class "C" Concrete, superstructure and pier caps	64		11	
S-1	49	Cu Yd	Class "E" Concrete, abutments	13136	49		
S-4	1216	Lbs	Reinforcing Steel	11337	1055	1216	
S-14	107	Lin. Ft.	Railing (Type I-15.13 with galvanized steel posts & bolts)	107	4133	2492	
S-16	Lump	Sum	First Test Pile				Lump
S-29	20	Cu Yd	Porous Backfill		20		
S-29	8	Cu Yd	Porous drains on embankment slopes				8
S-18	564	Lin. Ft.	14" Cast-in-place reinforced concrete piles		264	300	

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

GENERAL PLAN & ELEVATION
QUANTITIES & BAR SCHEDULES

RELOC. VINE ST. OVER NEWELL CREEK
LAKE COUNTY

STA 99+79.00

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
T.E.B.	T.E.B.	T.E.B.	T.E.B.	9-25-58	4-1-59