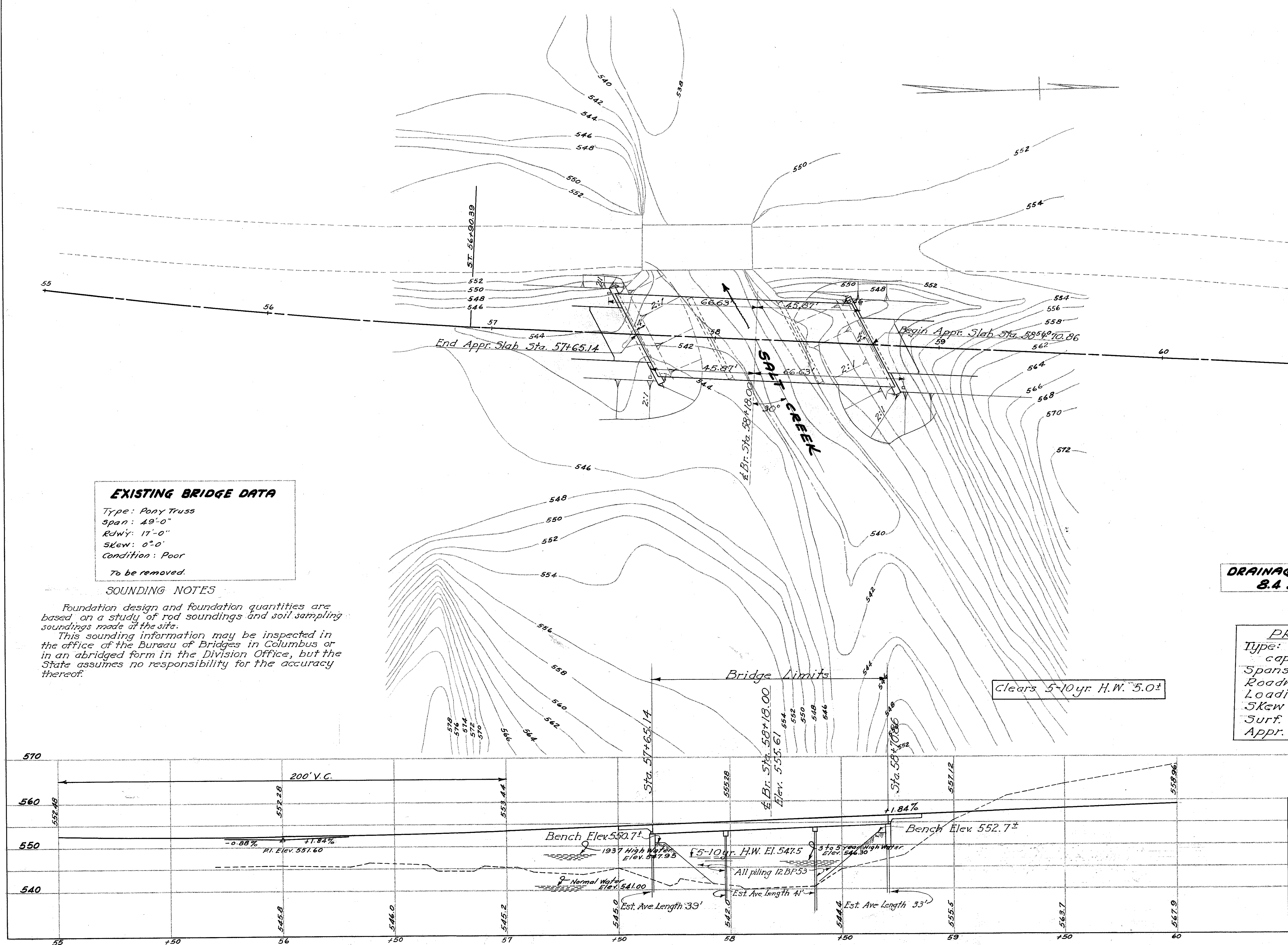


PIKE COUNTY
PIK-23-(0.94-1.11)
Near Wakefield



EXISTING BRIDGE DATA

Type: Pony Truss
Span: 49'-0"
Rdwy: 17'-0"
Skew: 0°-0'
Condition: Poor
To be removed.

SOUNDING NOTES

Foundation design and foundation quantities are based on a study of rod soundings and soil sampling soundings made at the site.

This sounding information may be inspected in the office of the Bureau of Bridges in Columbus or in an abridged form in the Division Office, but the State assumes no responsibility for the accuracy thereof.

DRAINAGE AREA
8.4 Sq. Mi.

PROPOSED STRUCTURE

Type: Continuous concrete slab with capped pile substructure
Spans: 32'-40'-32' 3/4 brgs.
Roadway: 36' w/ guard rails
Loading: 5-15-46
Skew: 30° R.F.
Surf. Course: Bituminous
Appr. Slabs: As shown

Clears 5-10 yr. H.W. 5.0±

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

SITE PLAN

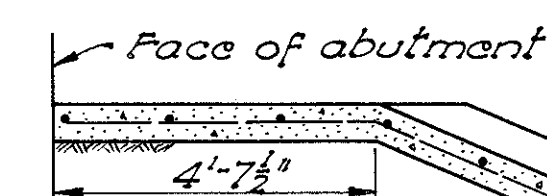
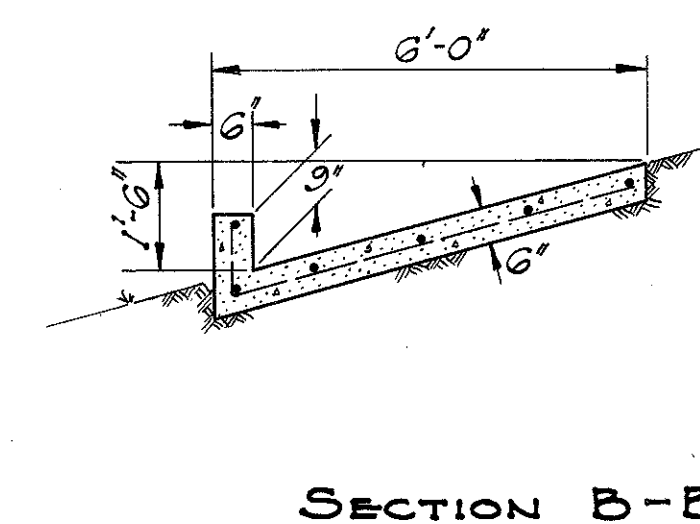
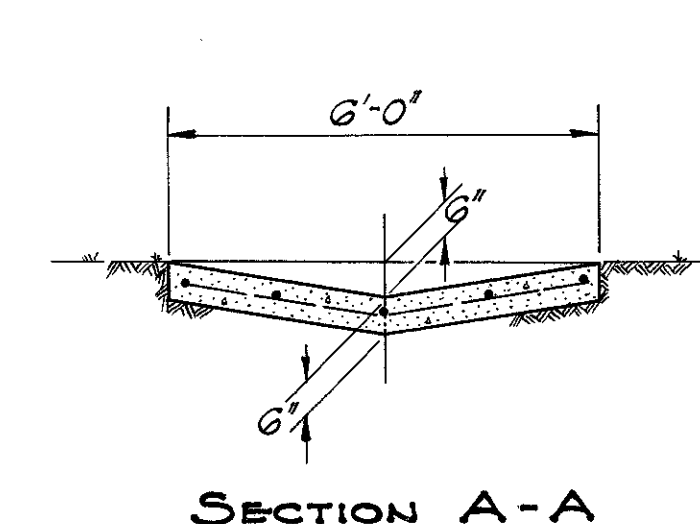
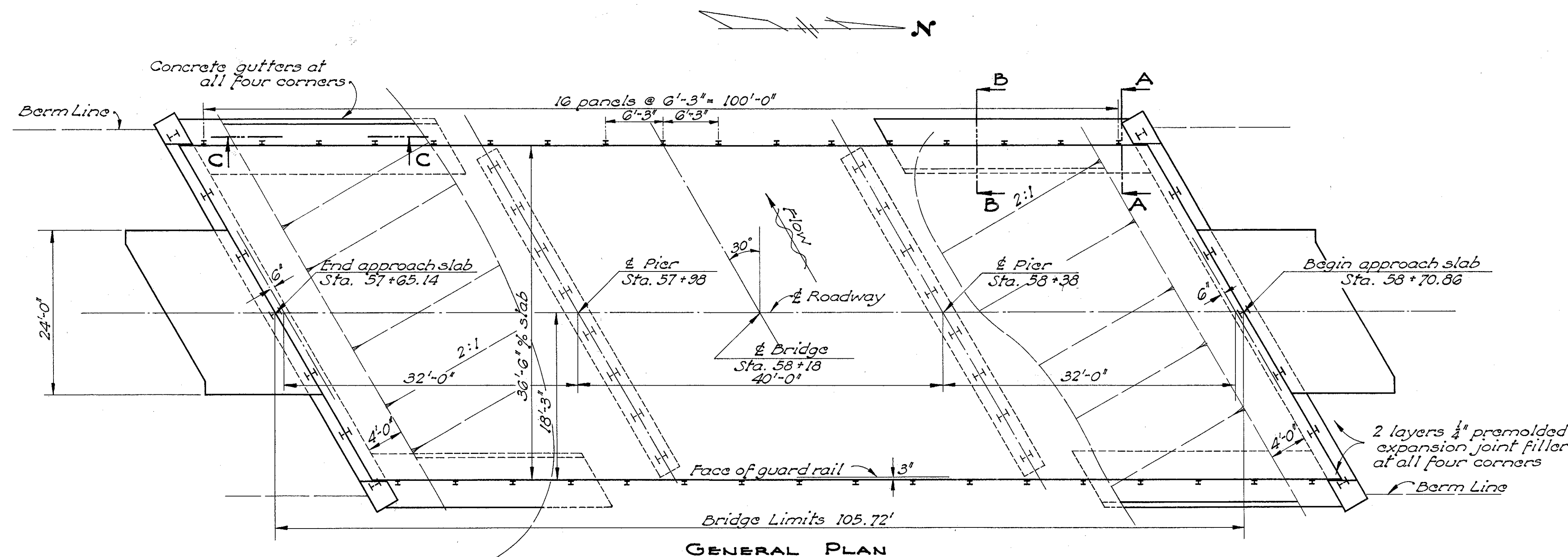
BRIDGE NO. PI 23-11
Over Salt Creek

PIKE CO. U.S.R. 23
SEC. PIK-23-(0.94-1.11) STA. 58+18
SCALE 1" = 20'

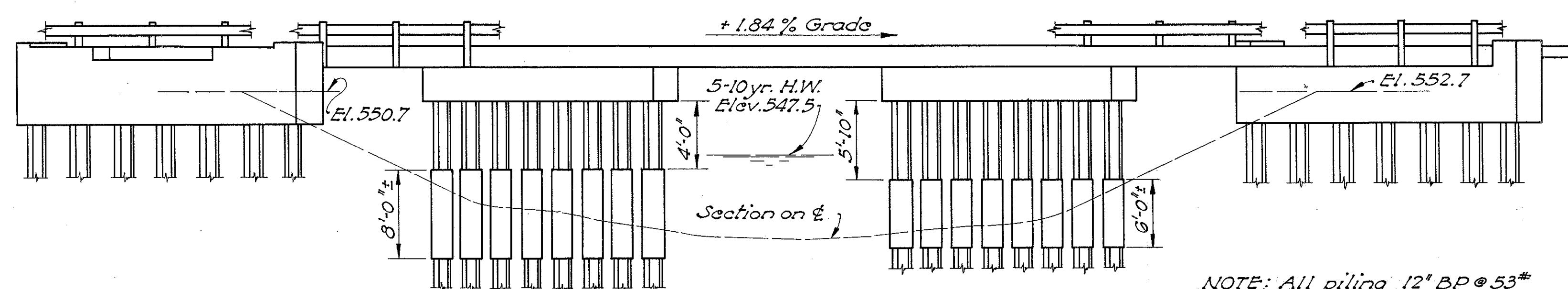
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGN	DRAWN	CHECKED	REVIEWED
	P.G.	C.H.A.	C.H.A.	P.E.D.	C.H.A.

BFG WMR 10-7-57

PIKE COUNTY
PIK. -23-(0.94-1.11)



GUTTER DETAILS



ELEVATION
Grade not shown

GENERAL NOTES

REFERENCE shall be made to Standard Drawings CS-1-47 revised 1-20-48, A-1-49 dated 7-27-49, and P-1-49 dated 7-27-49.

EXISTING BRIDGE shall be removed when no longer needed to maintain traffic and shall become the property of the Contractor.

Substructure shall remain in place except where removal is necessary for new construction.

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

PILING shall be driven to a minimum bearing capacity of 25 tons at the abutments and 35 tons at the piers.

SURFACE FINISH OF CONCRETE: Fascia of deck slab shall receive a rubbed surface finish. All other exposed surfaces shall be governed by the provisions of Item 5-1.

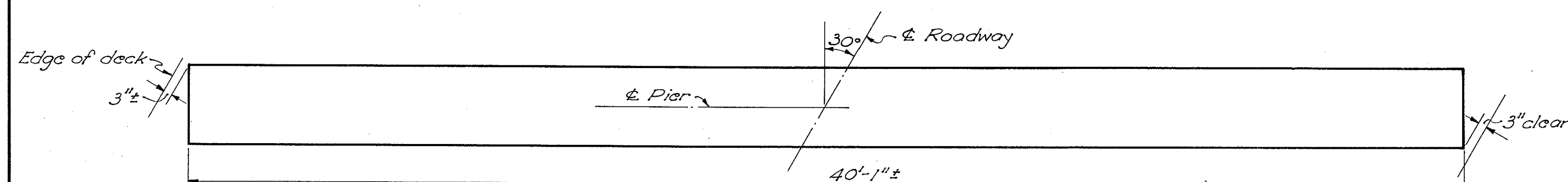
CONCRETE GUTTERS shall be of the section shown. They shall extend from face of abutment to 2' below toe of slope and shall be centered under edge of deck. Reinforcing bars 1/2" @ 1'-0" centers, both directions, included in price per lin. ft.

BITUMINOUS SURFACE COURSE: 2 1/2" Asphaltic concrete, Item T-35, laid in two 1 1/4" courses.

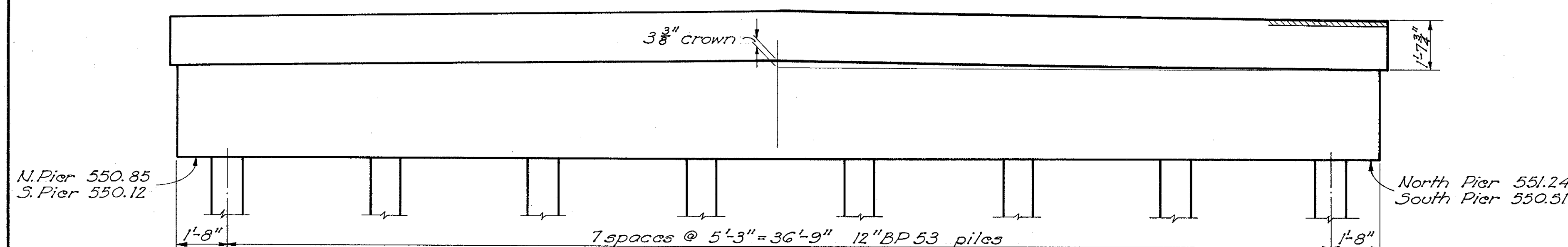
ESTIMATED QUANTITIES							
Item	Total	Unit	Description	Superstr.	Piers	Abuts.	General As Built
E-2	51	Cu.yd.	Unclassified excavation			51	
S-1	231	Cu.yd.	Class 'C' concrete, superstructure including pier caps	208	23		
S-1	51	Cu.yd.	Class 'C' concrete, abutments			51	
S-3	427	Sq.yd.	Type 'C' waterproofing	427			
S-4	61,444	Lbs.	Reinforcing steel	52622	3482	5182	158
S-9	18	Sq.ft.	1/4" premolded expansion joint filler		18		
S-14	211.44	Lin.ft.	Railing (Type I-15.13 with steel posts)	211.44			
S-16	Lump	Sum	First test pile				Lump
S-18	1,160	Lin.ft.	Steel piling 12" BP @ 53"		656	504	1069.21
S-24	Lump	Sum	Removal of existing structure				Lump
I-14	135	Lin.ft.	Concrete gutter				135
T-35	30	Cu.yd.	Asphaltic concrete surface course, Type 'A' or 'C' (70-80)	30			

STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES AND RAILROAD CROSSINGS							
GENERAL PLAN & ELEVATION NOTES & ESTIMATED QUANTITIES BRIDGE No. PI-23-11 OVER SALT CREEK							
PIKE COUNTY				STA. 58+18			
SEC. PIK-23-(0.94 ~ 1.11)							
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISOR	
MPB	MPB	JAMES	RHL	BFG	10-7-52		

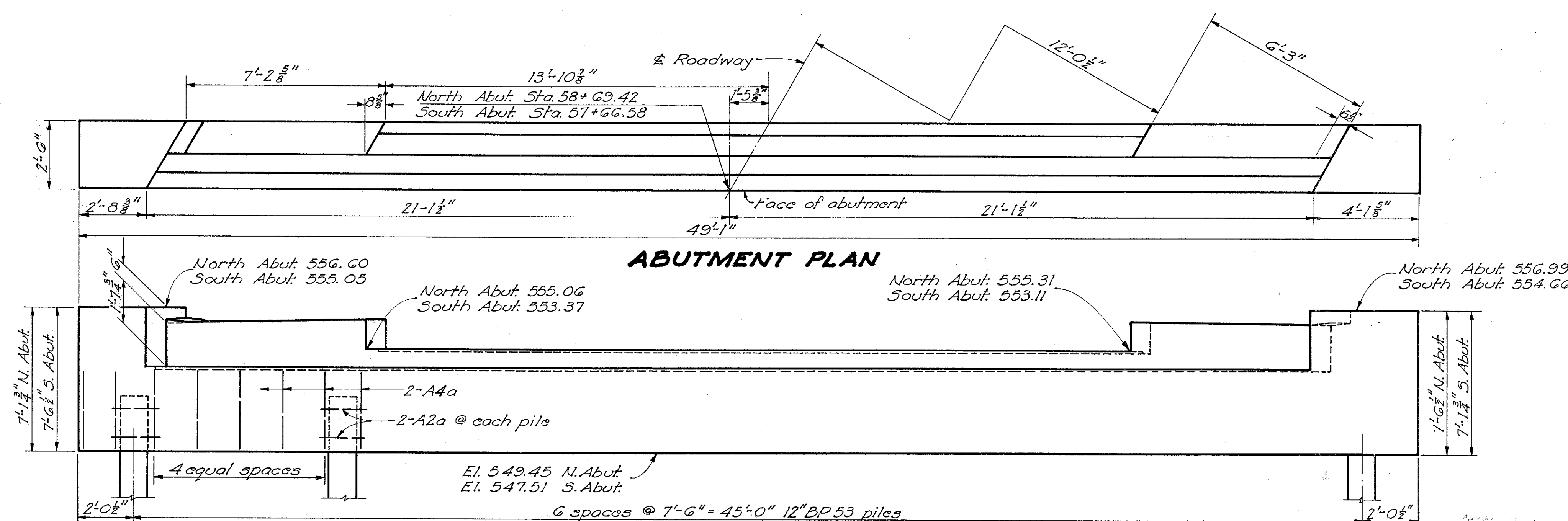
PIKE COUNTY
PIK. ~23-(094-1.11)



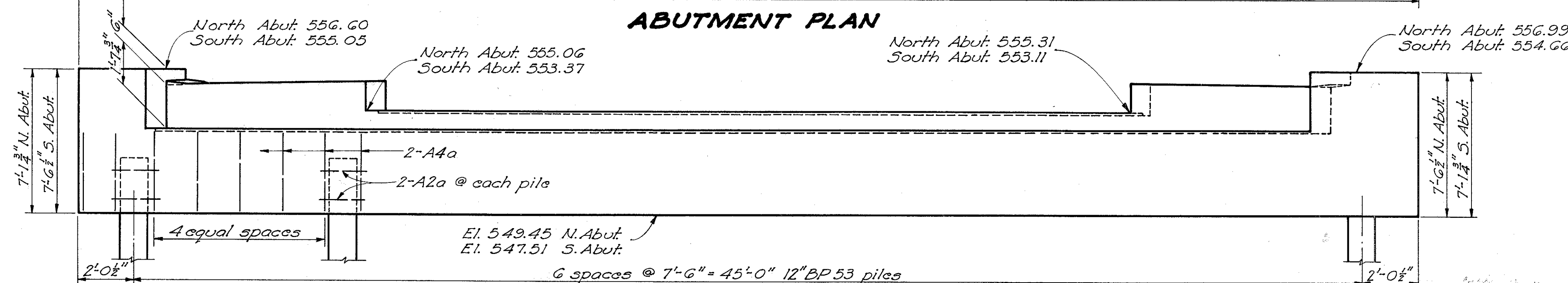
PIER PLAN



PIER ELEVATION



ABUTMENT PLAN



ABUTMENT ELEVATION

REINFORCING STEEL LIST

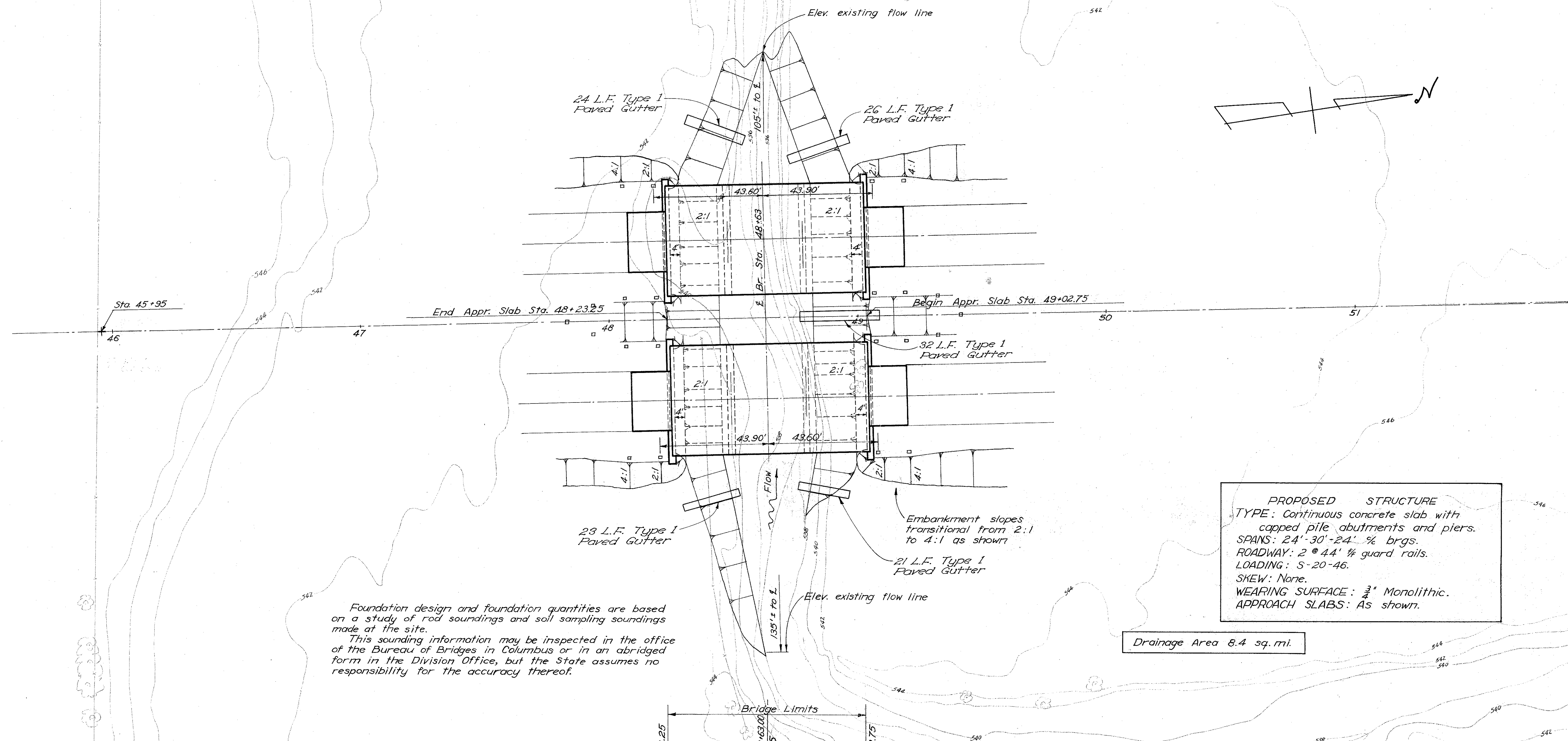
MARK	SIZE	NO.	LENGTH	WEIGHT	SHR	BENDING DIAGRAMS	
SUPERSTRUCTURE							
A	1 1/8" a	90	37'-10"	4652	S		
B	1 1/8" a	30	27'-6"	3550	B		
C	1 1/8" a	28	24'-5"	2922	B		
D	1 1/8" a	15	24'-0"	1549	S		
E	1 1/8" a	14	19'-3"	1160	S		
F	1 1/8" a	74	29'-11"	9526	S		
G	1 1/8" a	36	17'-8"	2737	S		
H	1 1/8" a	36	13'-5"	2078	S		
J	3/4" phi	38	23'-0"	1313	S		
K	3/4" phi	19	20'-3"	578	S		
L	3/4" phi	246	22'-0"	8129	S		
M	3/4" phi	134	22'-0"	4428	S		
PIERS							
POa	1 1/4" a	8	23'-0"	977	S		
P7a	1" phi	32	22'-6"	1922	S		
P2a	1/2" phi	64	5'-3"	224	B		
P2b	3/4" phi	52	10'-4"	359	B		
ABUTMENTS							
A7a	1" phi	48	26'-3"	3364	S		
A4a	5/8" phi	136	8'-5"	1194	B		
A4b	5/8" phi	30	3'-0"	94	S		
A2a	1/2" phi	56	5'-3"	196	B		
A2b	1/2" phi	8	6'-8"	36	B		
A2c	1/2" phi	8	6'-10"	37	B		
A2d	1/2" phi	88	3'-6"	206	S		
A2e	1/2" phi	8	10'-4"	55	S		
REPLACEMENT BARS							
REO	1 1/4" a	1	8'-9"	46	S		
RE9	1 1/8" a	2	8'-3"	71	S		
RE7	1" phi	1	7'-10"	21	S		
RE5	3/4" phi	1	6'-6"	10	S		
RE4	5/8" phi	1	6'-1"	6	S		
RE2	1/2" phi	1	5'-8"	4	S		

NOTE:
The bar size designations shown above do not correspond with the size designations given in the January 1, 1951 edition of the Construction and Material Specifications.

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		151 180

PIKE COUNTY
PIK-23-0.00
 At Wakefield

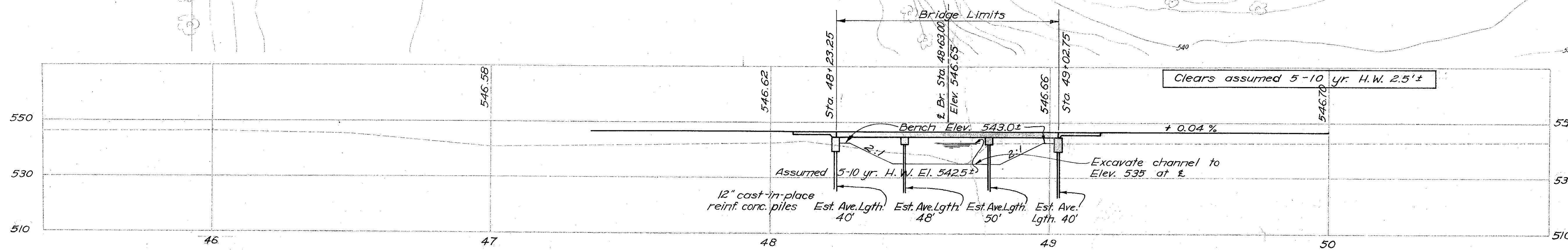
OCT 17 1989



Foundation design and foundation quantities are based on a study of rod soundings and soil sampling soundings made at the site.
 This sounding information may be inspected in the office of the Bureau of Bridges in Columbus or in an abridged form in the Division Office, but the State assumes no responsibility for the accuracy thereof.

PROPOSED STRUCTURE
 TYPE: Continuous concrete slab with capped pile abutments and piers.
 SPANS: 24'-30'-24'-24' % brgs.
 ROADWAY: 2 @ 4.4' % guard rails.
 LOADING: S-20-46.
 SKEW: None.
 WEARING SURFACE: $\frac{3}{4}$ " Monolithic.
 APPROACH SLABS: As shown.

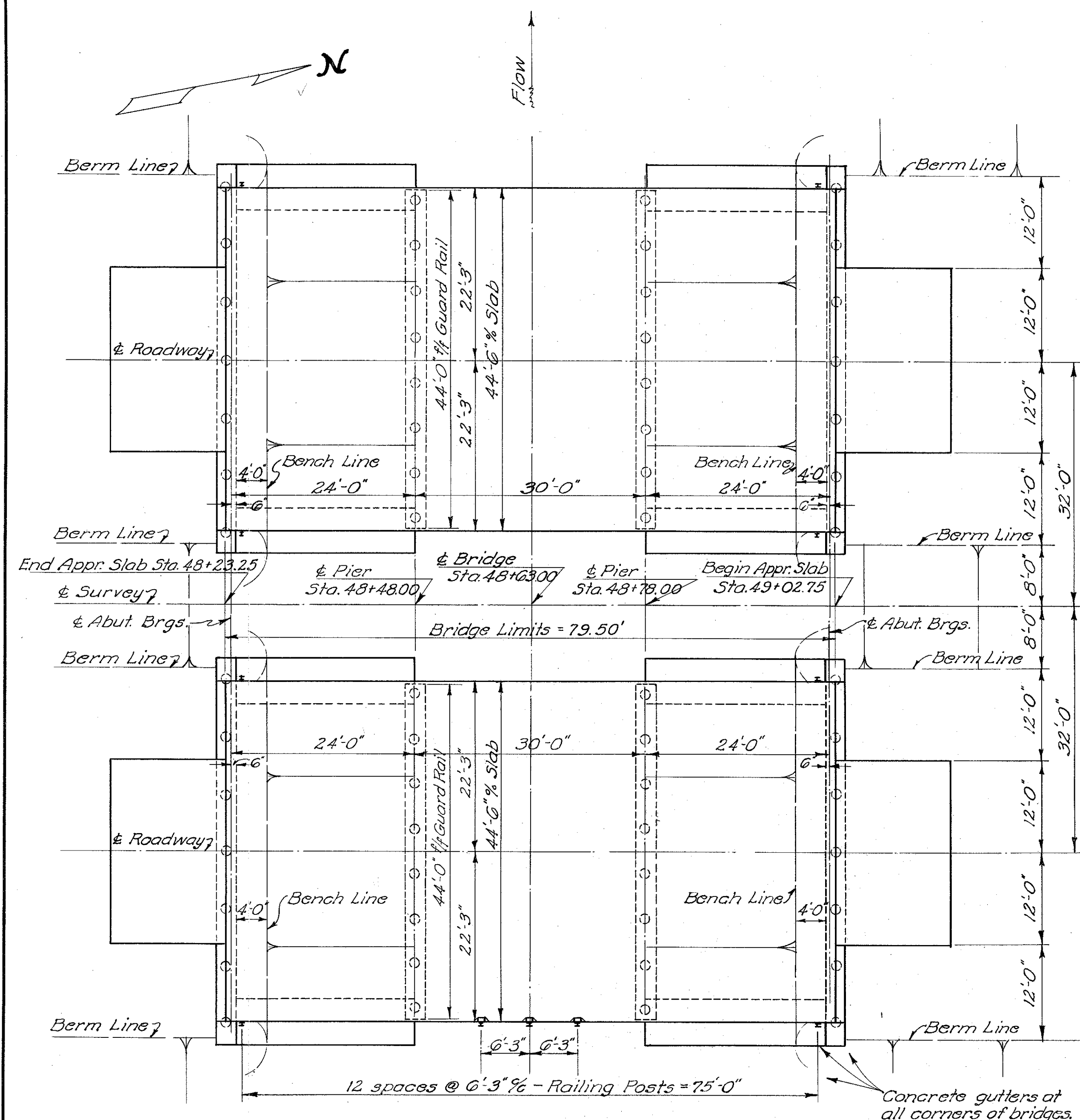
Drainage Area 8.4 sq. mi.



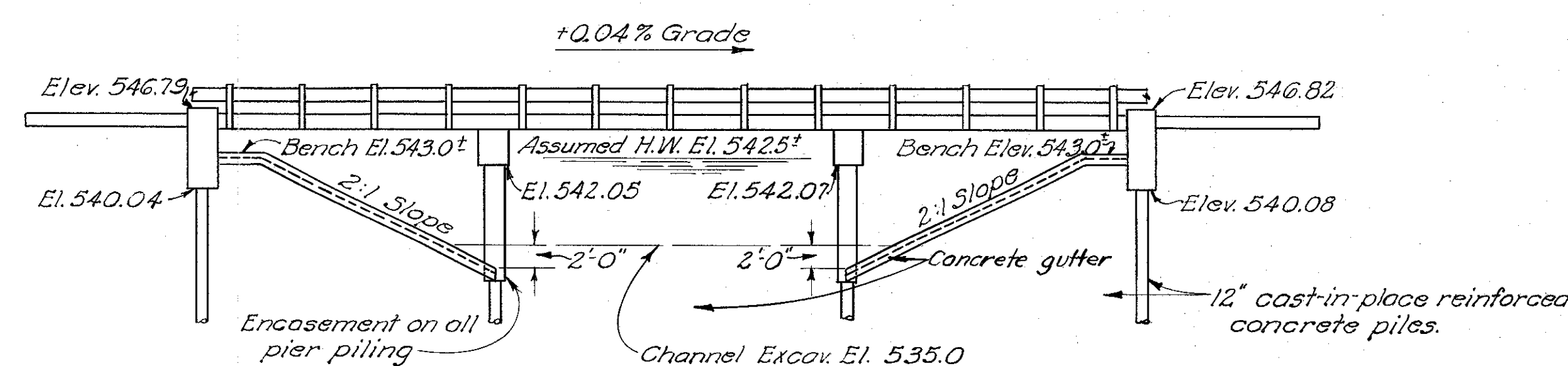
STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES	
SITE PLAN	
BRIDGE NO. PIK-23-09	OVER SALT CREEK
PIKE CO.	S.R. 23
SEC. PIK-23-0.00	STA. 48+63.00
SCALE 1" = 20'	DO-507-B1-A
PRESENT TOPOGRAPHY	PROPOSED WORK
SURVEYED	DRAWN
TRACED	DESIGN
CHECKED	DRAWN
REVIEW'D	CHECKED
DATE	DATE
12-30-52	12-30-52

PIKE COUNTY
PIK-23-000

OCT 17 1989



GENERAL PLAN



GENERAL ELEVATION

REINFORCING STEEL LIST									
MARK	SIZE	NO.	LENGTH	WEIGHT	SHP.	BENDING DIAGRAMS			
Superstructure									
A	1"	270	28'-6"	20546	Str.				
B	1"	88	21'-8"	5090	Bt.				
C	1"	88	19'-3"	4523	Bt.				
D	1"	44	19'-9"	2320	Str.				
E	1"	44	16'-0"	1880	Str.				
F	1"	180	19'-9"	12087	Str.				
G	1"	88	10'-0"	2992	Str.				
H	1"	88	0'-3"	1870	Str.				
J	3/4"	92	16'-9"	2315	Str.				
K	3/4"	46	16'-0"	1105	Str.				
L	3/4"	352	23'-3"	12292	Str.				
M	3/4"	216	23'-3"	7543	Str.				
Abutments									
A7a	1"	96	26'-9"	6857	Str.				
A4a	3/4"	272	8'-5"	2388	Bt.				
A4b	3/4"	00	3'-0"	188	Str.				
Piers									
P0a	1 1/2"	16	23'-11"	2033	Str.				
P7a	1"	64	23'-6"	4016	Str.				
P2a	1/2"	128	5'-3"	449	Bt.				
P2b	1/2"	128	10'-4"	883	Bt.				
Replacement Bars									
RE0	1 1/2"	1	8'-8"	46	Str.				
RE8	1"	1	7'-9"	20	Str.				
RE7	1"	3	7'-4"	59	Str.				
RE5	3/4"	2	6'-6"	20	Str.				
RE4	3/8"	1	6'-1"	6	Str.				
RE2	1/2"	1	5'-8"	4	Str.				

NOTE: The bar size designations shown above do not correspond with the size designations given in the Jan. 1, 1953 edition of the Construction and Material Specifications.

GENERAL NOTES

REFERENCE shall be made to Standard Drawings CS-1-47, revised 1-20-48; A-1-49, dated 7-27-49; and P-1-49, dated 7-27-49.

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

PILING shall be driven to a minimum bearing capacity of 21 tons for the abutments and 35 tons for the piers.

SURFACE FINISH OF CONCRETE: Fascia of deck slab shall receive a rubbed surface finish. All other exposed surfaces shall be governed by the provisions of Item 5-1.

CONCRETE GUTTERS shall be 6 ft. wide and 6 in. thick, and shall be depressed 6 in. at the center. They shall extend from face of abutment down to El. 533.0 and shall be centered under edge of deck. Reinforcing bars 1/2" @ 1'-6" centers, both directions, included in price per lin. ft.

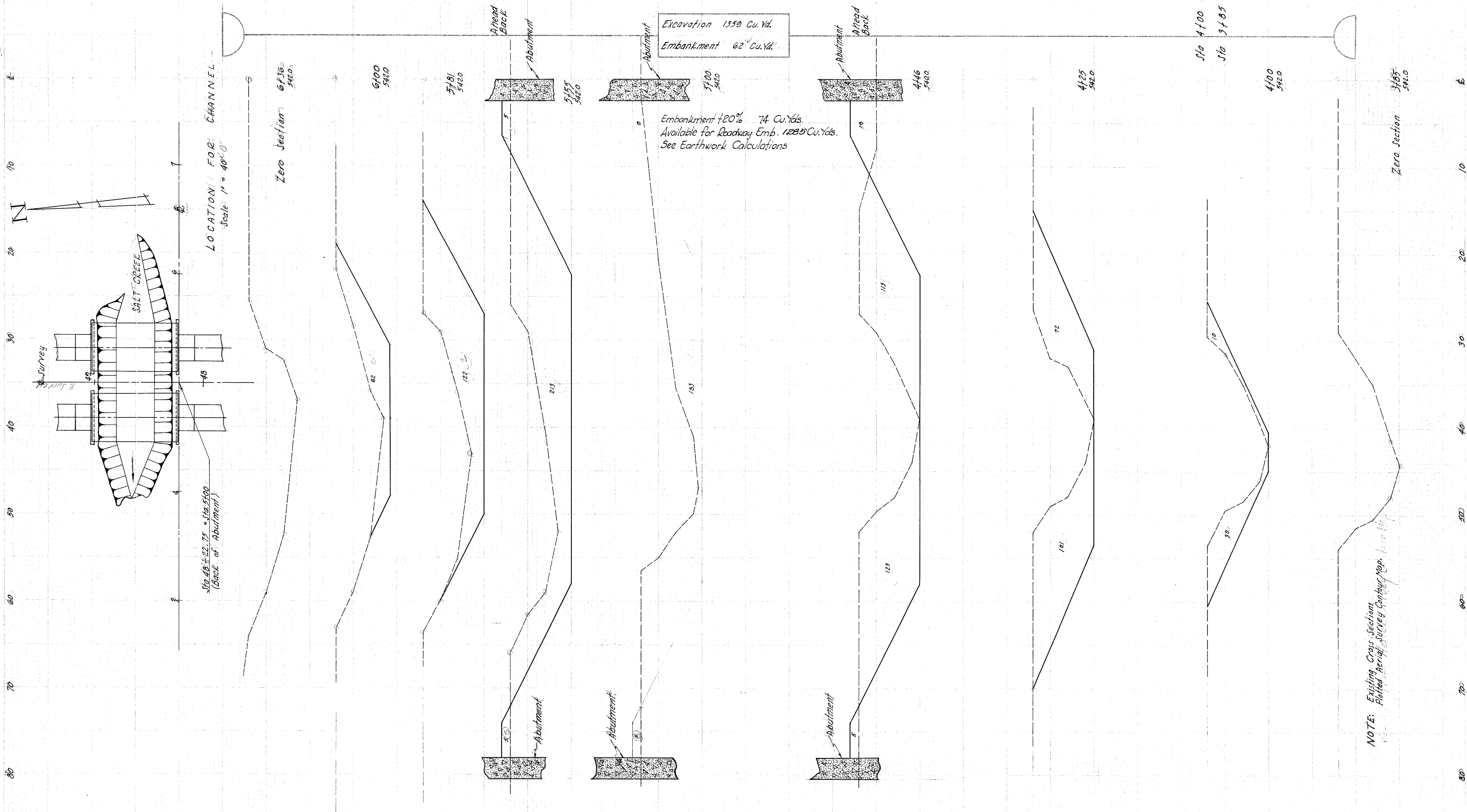
SLAB THICKNESS shown includes 3/4" for monolithic wearing surface.

ESTIMATED QUANTITIES

Item	Total	Unit	Description	Supers	Abuts	Piers	Gen'l
E-2	105	Cu.Yd.	Unclassified excavation		105		
E-3	1359	Cu.Yd.	Channel excavation				1359
S-1	380	Cu.Yd.	Class "C" concrete, superstructure and pier caps	333		47	
S-1	102	Cu.Yd.	Class "C" concrete, abutments		102		
S-4	92,573	Lbs.	Reinforcing steel	74,563	10,468	7381	161
S-9	29.2	Sq.Ft.	1/4" premolded expansion joint filler	29.2			
S-14	318	Lin.Ft.	Railing (Type I-15.13) with steel posts	318			
S-16	Lump Sum		First test pile				Lump
S-18	2690	Lin.Ft.	12" cast-in-place reinforced concrete piling				2690
I-14	211	Lin.Ft.	Concrete gutter				211

STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES AND RAILROAD CROSSINGS							
GENERAL PLAN, ELEVATION & NOTES ESTIMATED QUANTITIES & STEEL LIST BRIDGE No. PI-23-09 OVER SALT CREEK PIKE COUNTY DO-507-B1-A SEC. PIK-23-000 STA. 48+63.00							
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED	
DIC	DIC	JDJ	J.E.H.	W.H.R.	12-30-52		

End Area	Cu. Yds.	Cut	Fill
0	0	42	0
62	0	65	0
122	0	161	0
213	0	403	24
183	14	419	36
236	24	159	0
173	0	99	0
Sta 4700	40	0	11
Sta 3785	0	0	0



CHANNEL X-SECTIONS for STRUCTURE STA. 48+63