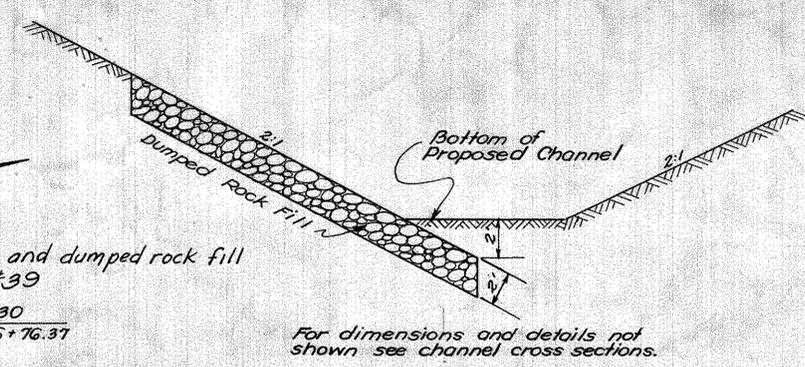
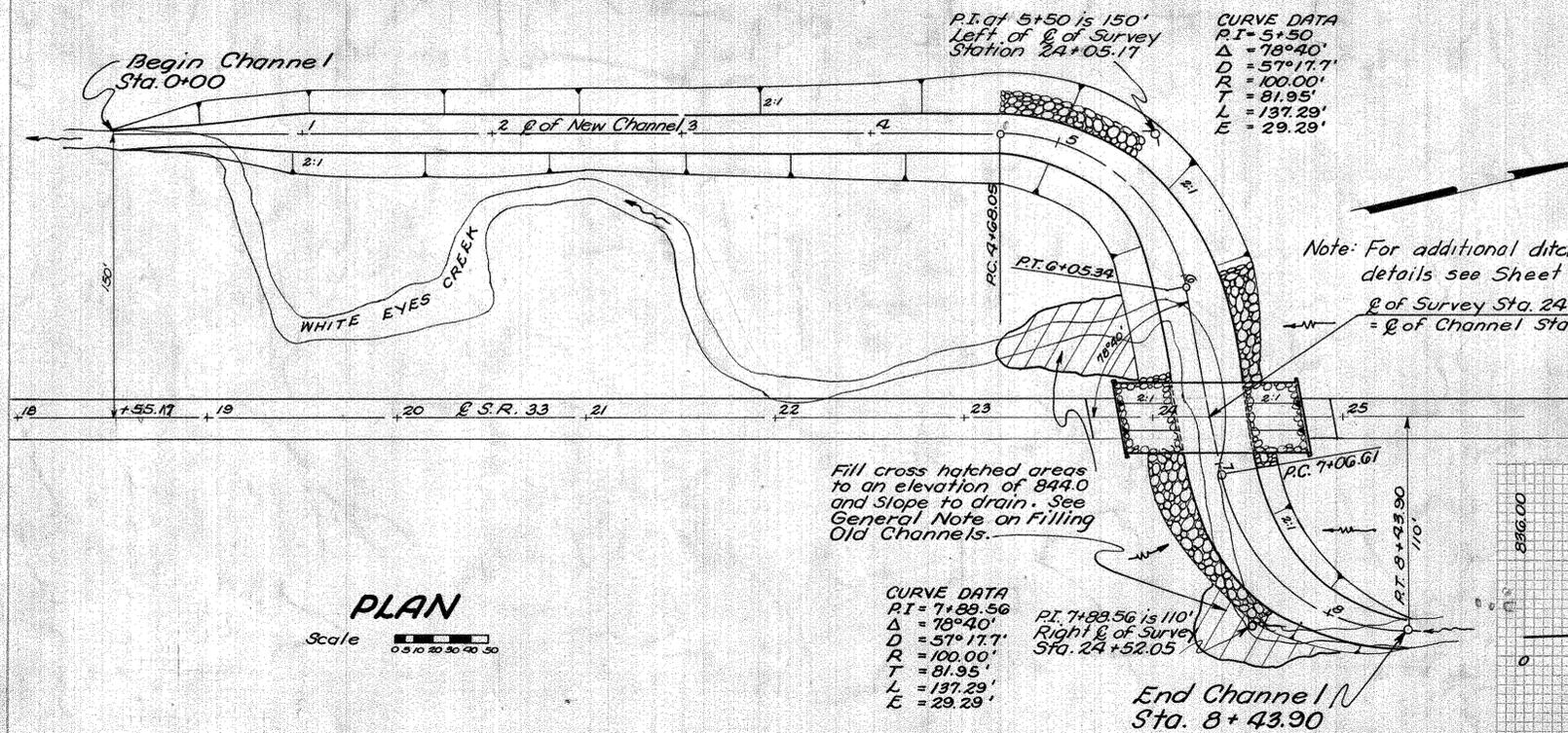
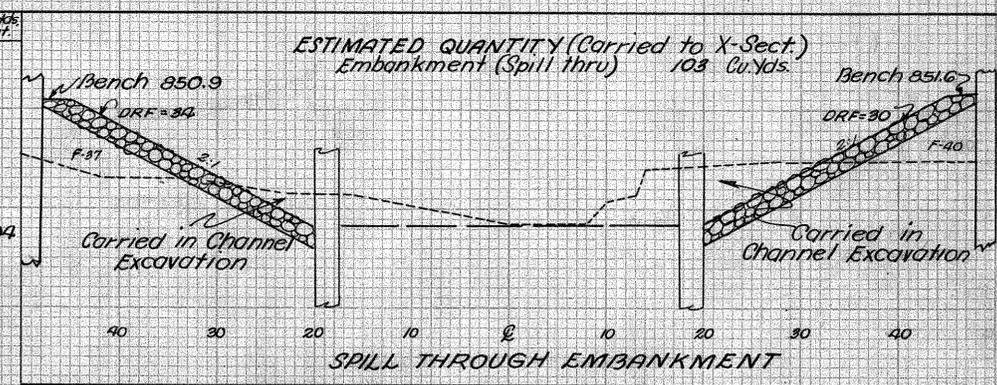
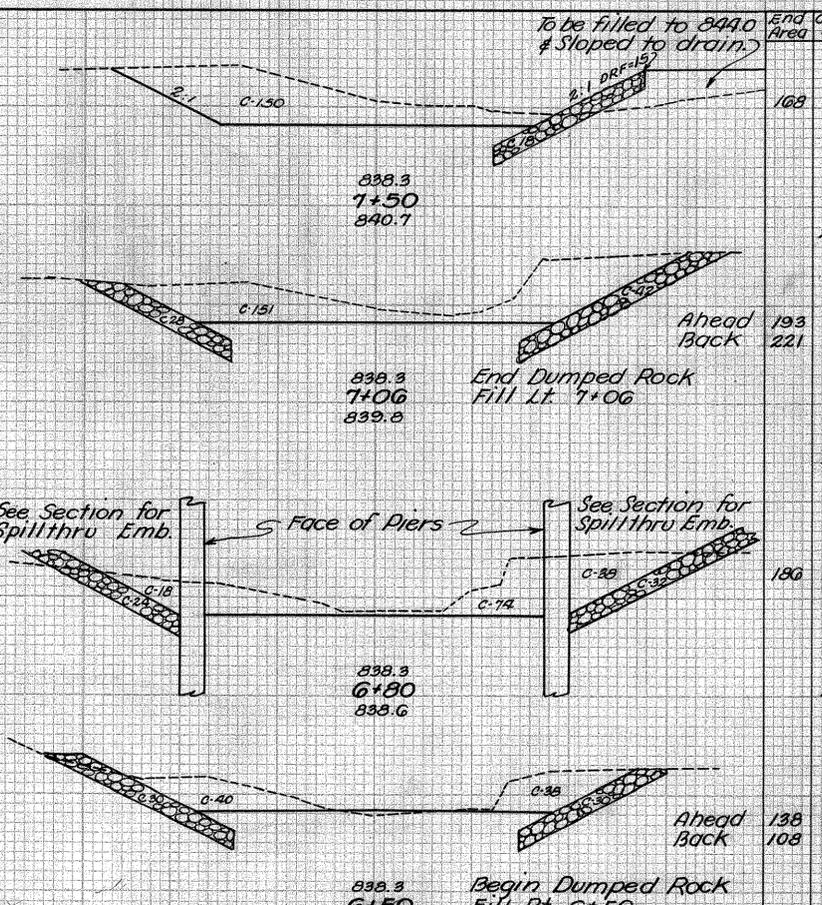
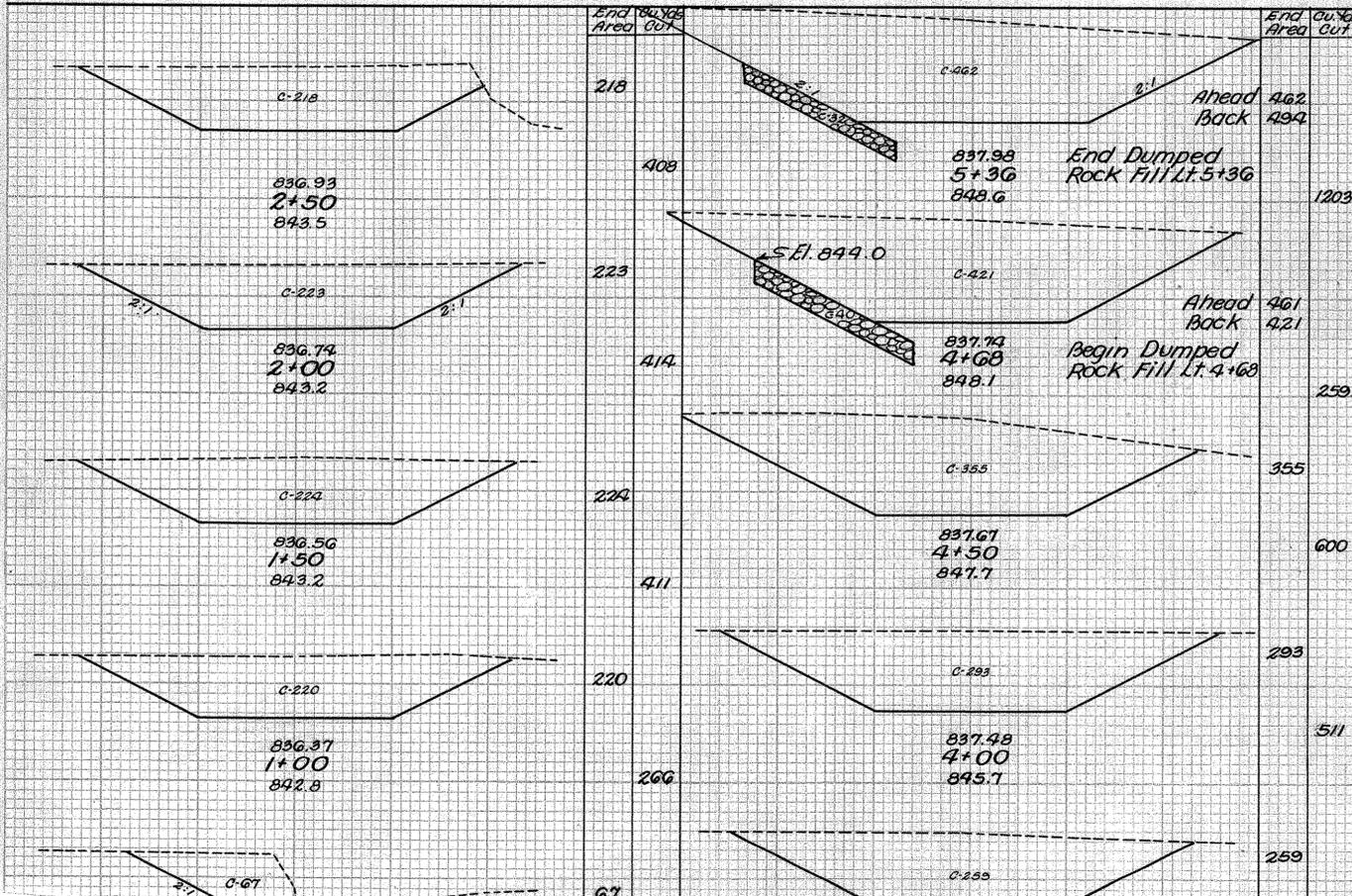
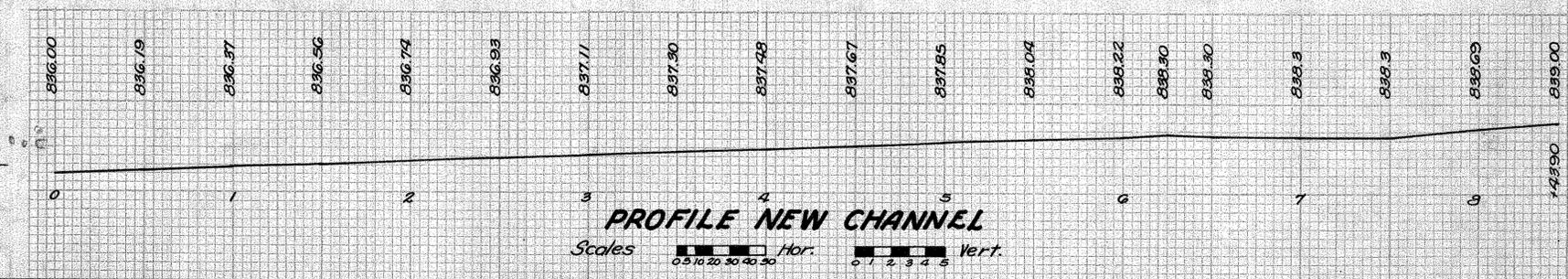


COS-93-8.89

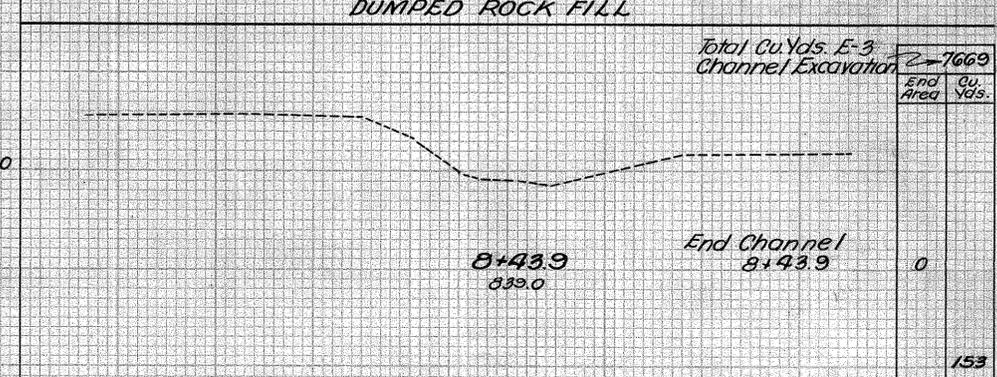


ESTIMATED QUANTITIES

- E-3 Channel Excavation (Carried with Bridge) 7669 Cu. Yds.
- I-10 Dumped Rock Fill (Carried with Bridge) 451 Cu. Yds.
- L-9 Seeding (Carried to Sheet No. 3) 1570 Sq. Yds.
- Spill thru Embankment (Carried to X-Section) 103 Cu. Yds.

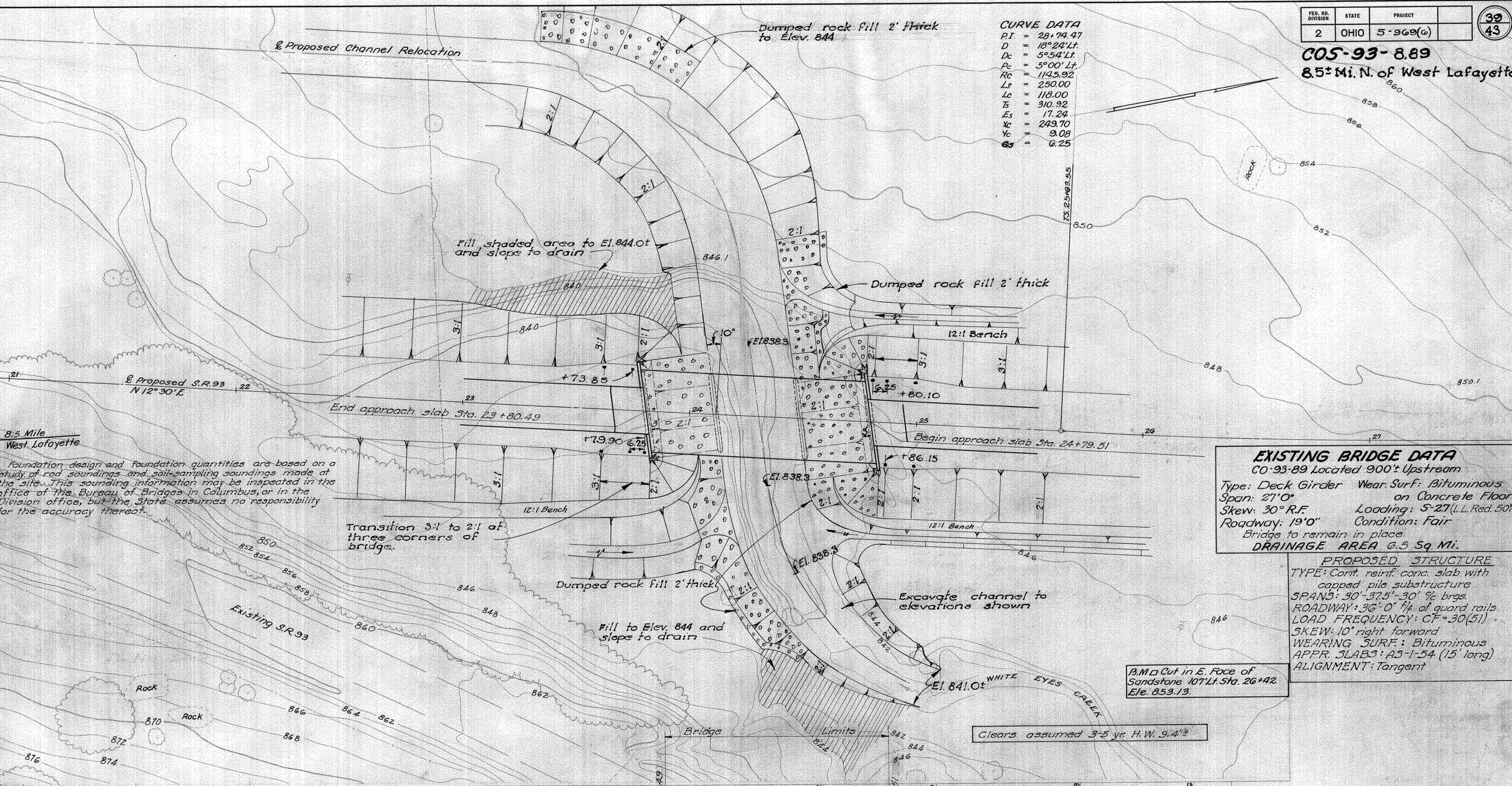


Sta.	End Area	Qu. Yds.	Sta.	End Area	Qu. Yds.	Total Cu. Yds. I-10 Dumped Rock Fill	End Area	Qu. Yds.
Sta. 6+05	64	76	Sta. 7+06 Ahead	76	91	451	31	30
Sta. 5+36 Lt.	32	91	Sta. 6+80	20	100		33	61
Sta. 4+68 Lt.	40	30	Sta. 6+50	30	78			



CO5-93-8.89
 8.5± Mi. N. of West Lafayette

CURVE DATA
 P.I. = 28+74.47
 D = 18°24' Lt
 Dc = 5°54' Lt
 Pc = 5°00' Lt
 Rc = 1145.92
 Ls = 250.00
 Lc = 118.00
 Ts = 310.92
 Es = 17.24
 Xc = 249.70
 Yc = 9.08
 Gs = 6.25



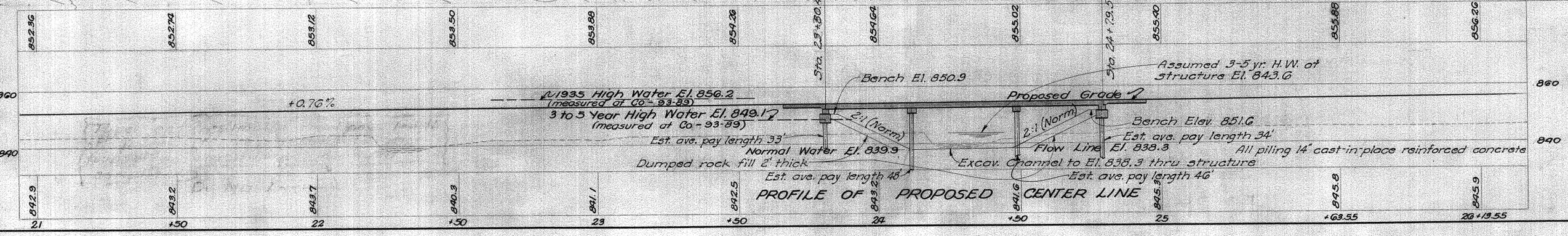
Foundation design and foundation quantities are based on a study of rod soundings and soil-sampling soundings made at the site. This sounding information may be inspected in the office of the Bureau of Bridges in Columbus, or in the Division office, but the State assumes no responsibility for the accuracy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

EXISTING BRIDGE DATA
 CO-93-89 Located 900± Upstream
 Type: Deck Girder Wear Surf: Bituminous on Concrete Floor
 Span: 27'0" Skew: 30° R.F. Loading: 5-27 (L.L. Red. 50%)
 Roadway: 19'0" Condition: Fair
 Bridge to remain in place
DRAINAGE AREA 6.5 Sq. Mi.

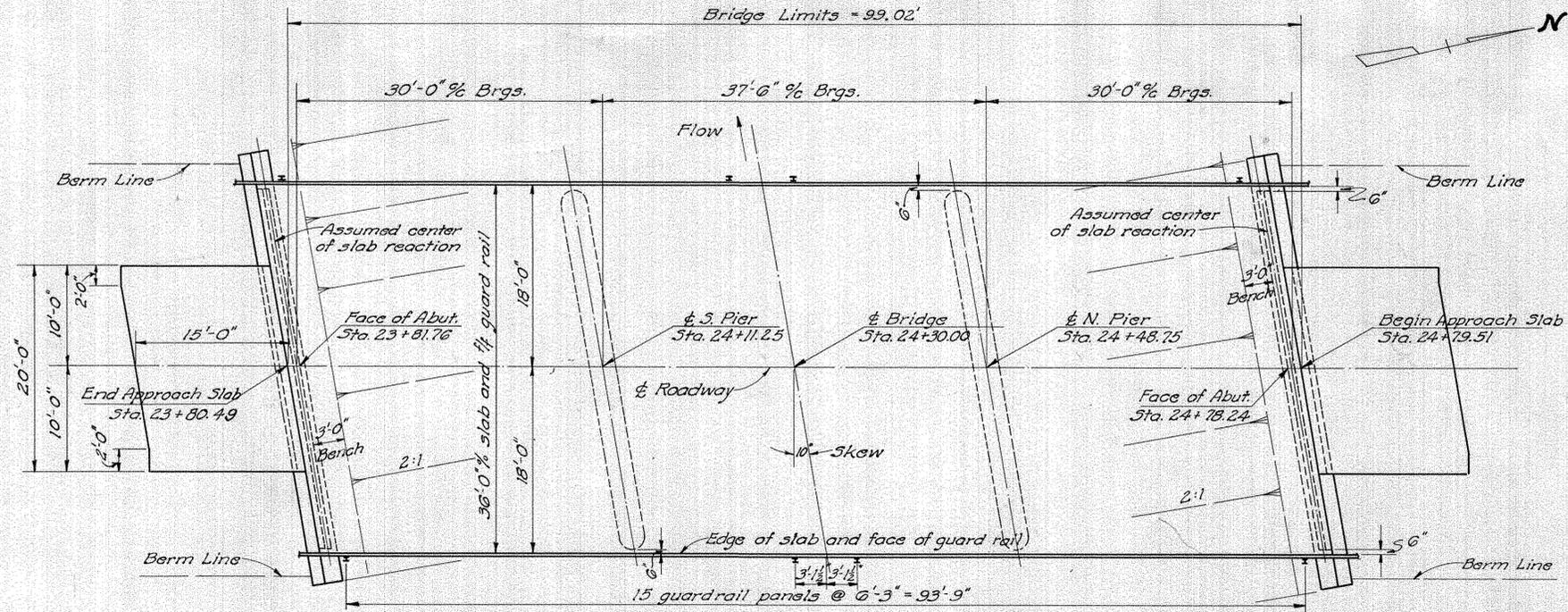
PROPOSED STRUCTURE
 TYPE: Cont. reinf. conc. slab with capped pile substructure
 SPANS: 30'-37.5'-30' % brgs.
 ROADWAY: 36'-0" 1/4 of guard rails
 LOAD FREQUENCY: CF=30(51)
 SKEW: 10° right forward
 WEARING SURF: Bituminous
 APPR. SLABS: AS-1-54 (15' long)
 ALIGNMENT: Tangent

B.M. Cut in E. Face of Sandstone 107 Lt Sta. 26+42 Ele. 853.13.

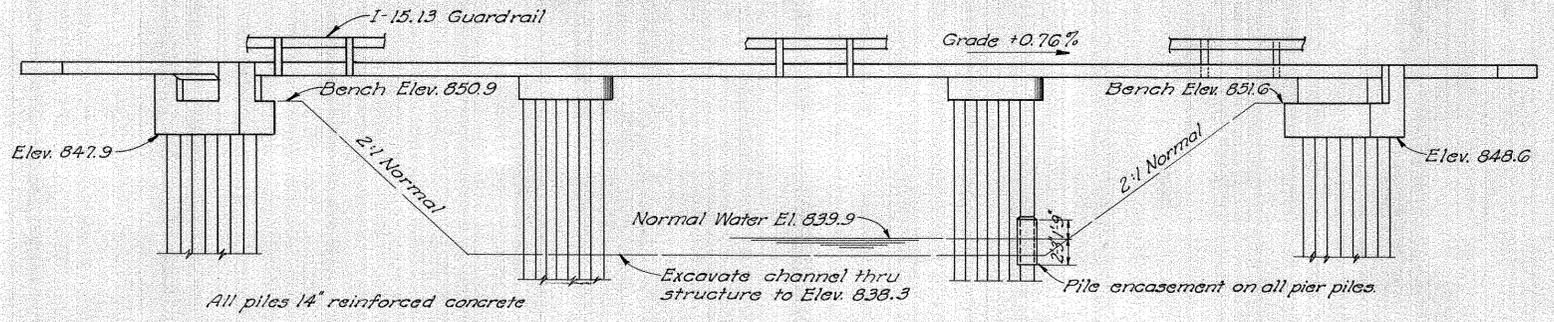
Clears assumed 3-5 yr. H.W. 9.4'±



STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES			
SITE PLAN			
BRIDGE NO.	CO5-93-0908		
WHITE EYES CREEK			
COSHOCOTON CO.	S.R. 93		
SEC. CO5, 93-8.89	STA. 23+80.49		
SCALE 1" = 20'	24+79.51		
PRESENT TOPOGRAPHY	PROPOSED WORK		
SURVEYED	DRAWN	CHECKED	REVIEWED
Asst. Survey	Asst. Survey	J.H.B. J.H.B.	P.E.S. P.E.S.
BFG 9/24/66			



GENERAL PLAN



ELEVATION

GENERAL NOTES

REFERENCE shall be made to Standard Drawings CS-1-54, A-1-54 and P-1-54, revised 12-1-54.

PILES shall be driven to a minimum bearing capacity of 25 tons for the abutments and 35 tons for the piers. The length of penetration of every pile shall be at least 80% of the estimated average pay length of the piles in the pertinent pier or abutment as indicated on the plans unless a lesser penetration is approved by the Director.

GALVANIZING of all members which are specified to be galvanized shall be as called for in Sec. M-7.4 (d)

GRAVEL, if used as the coarse aggregate, shall be according to Sec. M-3.93 instead of M-3.91 for Class "C" concrete in the superstructure. Gravel meeting the requirements of Sec. M-3.93 also may be used for other concrete in this structure.

ASPHALTIC CONCRETE SURFACE COURSE, Item T-35, laid in two courses, shall be provided.

ESTIMATED QUANTITIES

Item	Total	Unit	Description	Superstr.	Abuts.	Piers	General	As Built
E-2	50	Cu. Yd.	Unclassified excavation		50			
E-3	7669	Cu. Yd.	Channel excavation				7669	
S-1	164	Cu. Yd.	Class "C" concrete, superstructure and pier caps	151		13		
S-1	43	Cu. Yd.	Class "E" concrete, abutments		43			
S-3	396	Sq. Yd.	Type "C" waterproofing	396				
S-4	43,034	Lb.	Reinforcing steel	34,394	4,793	3,744	103	103
S-14	198.04	Lin. Ft.	Railing (Type I-15.13 with galvanized steel posts & bolts)	198.04				
S-10	Lump	Sum	First test pile				Lump	
S-18	430	Lin. Ft.	14" cast-in-place reinforced concrete piles		470	600		2,233
S-29	16	Cu. Yd.	Porous backfill		16			897
I-10	451	Cu. Yd.	Dumped rock fill				451	
T-35	244	Cu. Yd.	Asphaltic concrete surface course, Type "A" or "C" (65-10)	244				

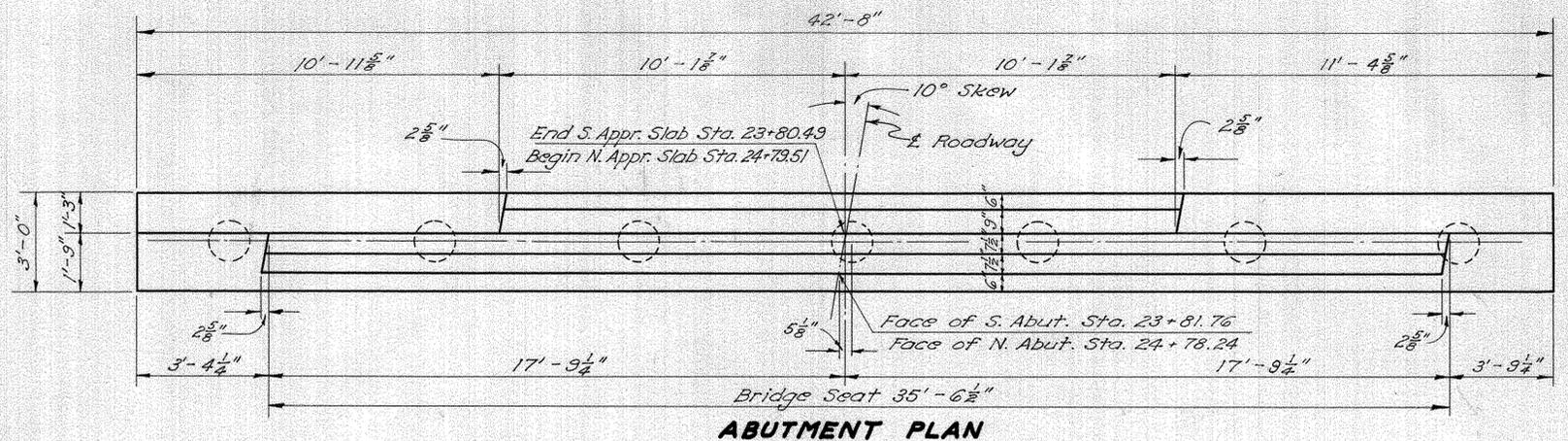
STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

**GENERAL PLAN & ELEVATION,
NOTES & ESTIMATED QUANTITIES**

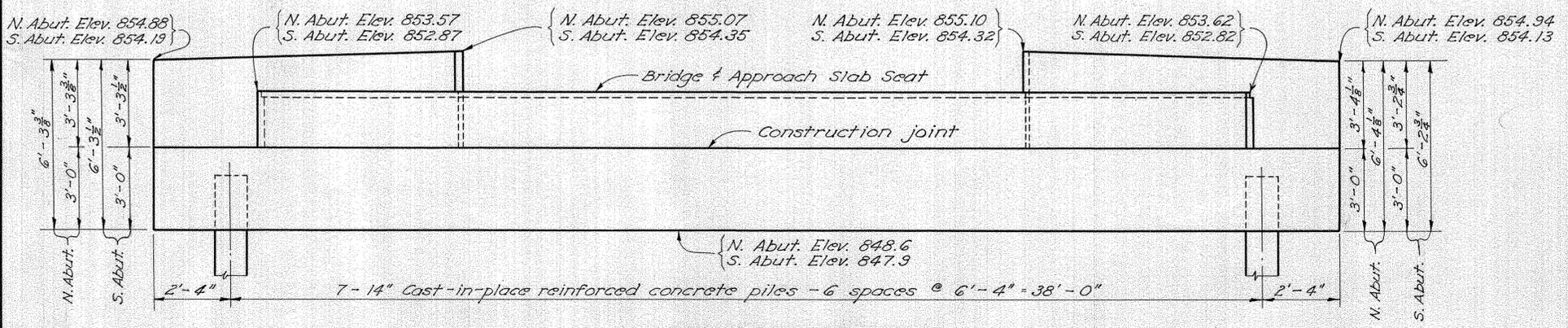
BRIDGE NO. COS-93-0908
OVER WHITE EYES CREEK
COSHOCTON COUNTY STA. 23+80.49
24+79.51

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
		JDJ	JEM	BFG	4/1-6-56	

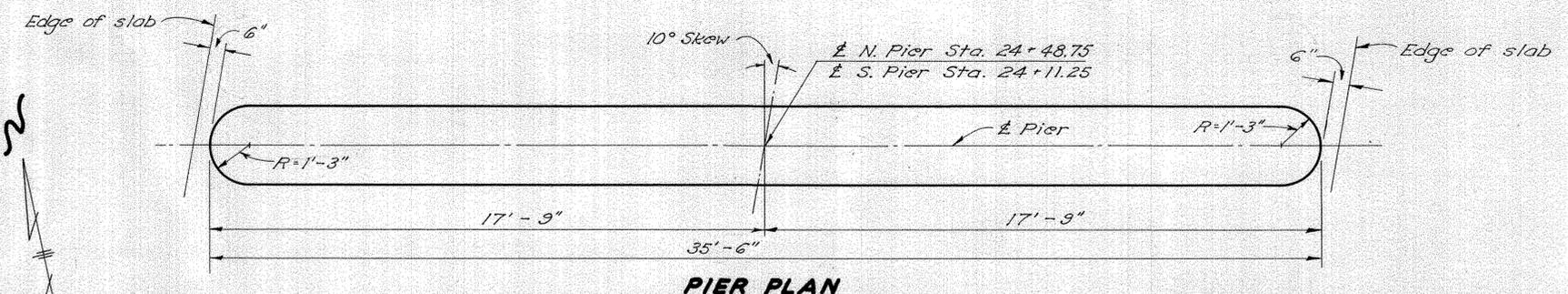
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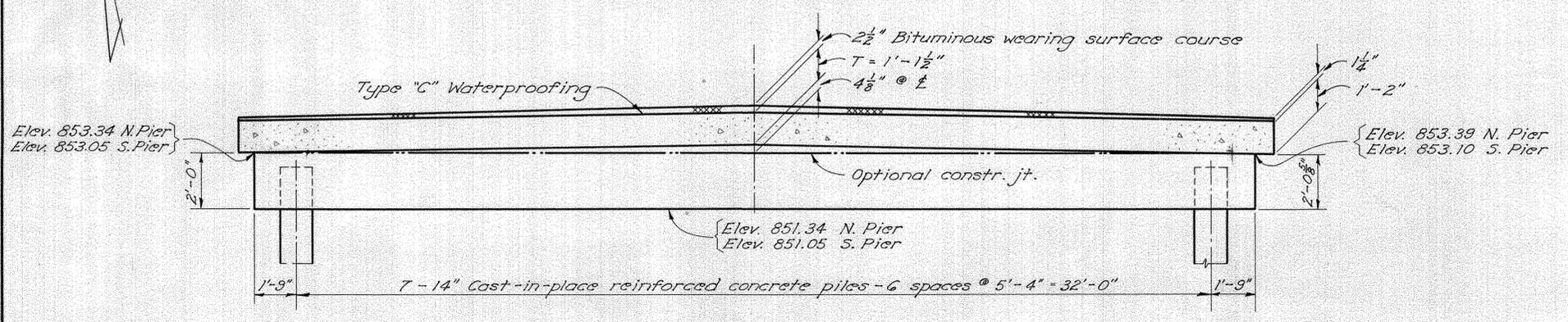
ABUTMENT PLAN



ABUTMENT ELEVATION



PIER PLAN



PIER ELEVATION

REINFORCING STEEL LIST														
Mark	No.	Length	Weight	Shp.	Bending Diagrams					Mark	No.	Length	Weight	Shp.
Superstructure										Abutments				
A807	108	34'-7"	3972	S						R1001	16	19'-3"	1325	S
B807	36	24'-4"	2339	B						R801	16	22'-5"	958	S
C807	36	21'-4"	2051	B						R501	16	22'-0"	367	S
D807	18	22'-0"	1057	S						R502	136	6'-7"	934	B
E807	18	16'-10"	809	S						R503	8	18'-4"	153	S
F907	72	23'-5"	5732	S						R504	24	5'-4"	134	S
G907	36	12'-1"	1479	S						R505	28	7'-11"	231	B
H907	36	8'-2"	1000	S						R506	8	10'-9"	30	S
J601	36	20'-5"	1104	S						R507	16	5'-0"	83	S
K601	18	18'-8"	505	S						R508	20	6'-8"	139	B
M601	91	36'-1"	4932	S	R509	20	8'-5"	176	B					
N601	63	36'-1"	3414	S	Replacement Steel					R401	56	5'-5"	203	B
Piers														
P1001	8	36'-0"	1239	S						RE1001	1	7'-2"	31	S
P901	8	33'-0"	898	S						RE901	1	6'-10"	23	S
P701	84	4'-0"	687	S						RE801	1	6'-6"	17	S
P501	4	33'-0"	138	S						RE701	1	6'-2"	13	S
P502	56	3'-0"	526	B						RE601	1	5'-11"	9	S
P503	8	6'-4"	53	B						RE501	1	5'-7"	6	S
P401	56	5'-5"	203	B						RE401	1	5'-5"	4	B

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

**ABUTMENT & PIER DETAILS
& REINFORCING STEEL LIST**

BRIDGE No. COS-93-0908
over WHITE EYES CREEK
Coshocton County Sta. 23+80.49
24+79.51

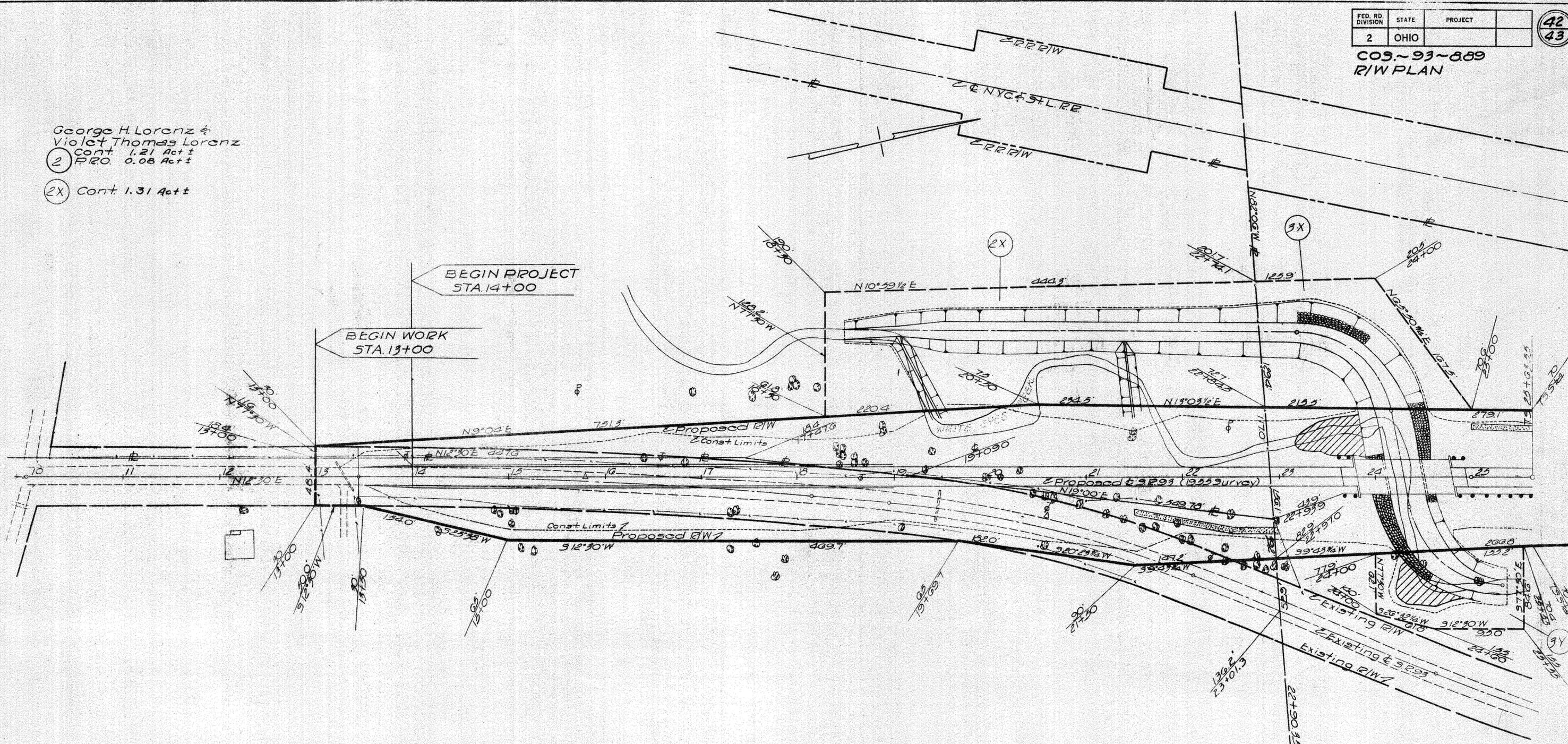
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
			JEM	BFG	1-6-56	

CO9-93-889
R/W PLAN

George H. Lorenz &
Violet Thomas Lorenz

2 Cont. 1.21 Act ±
P.R.O. 0.08 Act ±

2X Cont. 1.31 Act ±



BEGIN PROJECT
STA. 14+00

BEGIN WORK
STA. 13+00

Calvin Gontor et al.
Clara Gontor, Life Estate

1 Cont. 0.46 Act ±
P.R.O. 1.15 Act ±

John C. Stein &
Ada Stein

3 Cont. 0.08 Act ±
P.R.O. 1.07 Act ±

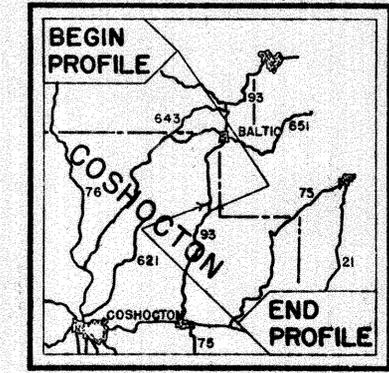
3X Cont. 0.52 Act ± 3V Cont. 0.88 Act ±

3Y Cont. 0.28 Act ±

3Z Cont. 0.10 Act ±

NOTE: THE INFORMATION SHOWN BY THIS SUBGRADE PROFILE WAS SECURED FOR THE USE OF THE STATE OF OHIO AND IS NOT TO BE CONSTRUED AS A PART OF THE PLANS GOVERNING THE CONSTRUCTION OF THE PROJECT.

FED. NO. S-969(6)



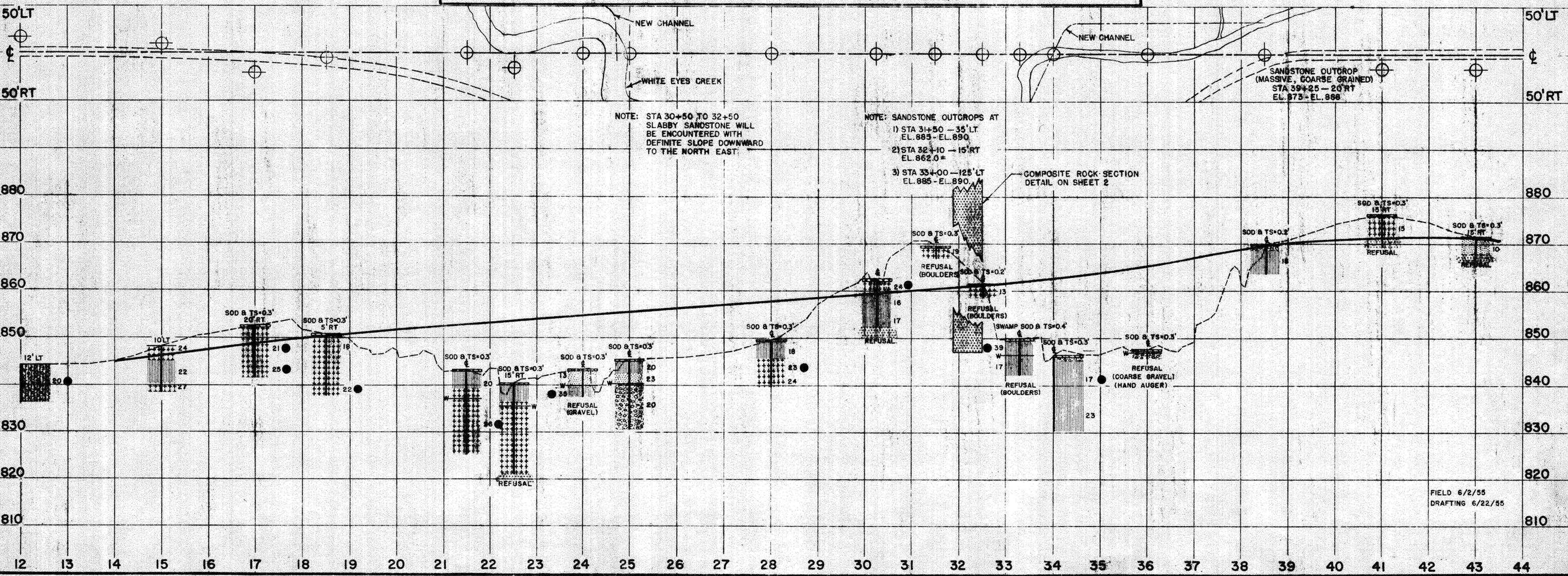
LEGEND FOR PROJECT - AVERAGE RESULTS OF TESTS - 33 SAMPLES TESTED

DESCRIPTION	H. R. B. CLASS	OHIO CLASS	AGG.	% C. SAND	% F. SAND	% SILT	% CLAY	LIQUID LIMIT	PLASTICITY INDEX	WATER CONTENT	SAMPLES TESTED
GRAVEL AND STONE FRAGMENTS WITH SAND	A-1-b(0)	A-1-b	54	10	17	12	7	NP	NP	20	1
COARSE AND FINE SAND		A-3a	13	14	42	17	14	NP	NP	15	3
GRAVEL AND STONE FRAGMENTS WITH SAND AND SILT	A-2-4(0)	A-2-4	18	15	35	16	16	21	7	20	1
SANDY SILT	A-4(5)	A-4a	6	4	31	34	25	24	5	22	14
SILT	A-4(8)	A-4b	1	1	15	57	26	26	5	22	14

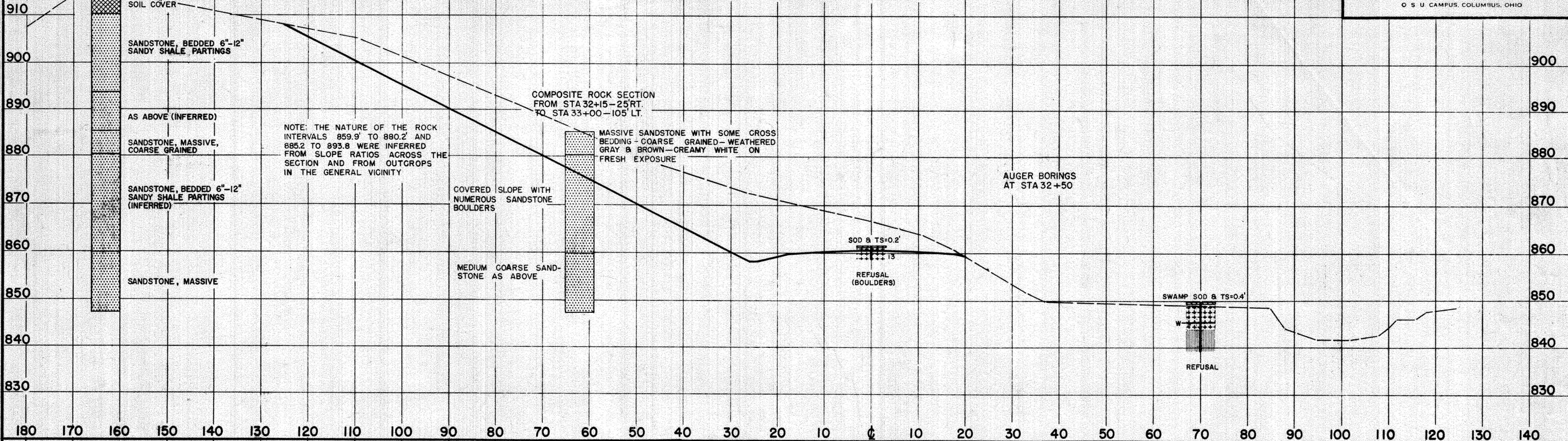
| AUGER BORING PLOTTED TO VERTICAL SCALE ONLY
 ● WATER CONTENT NEARLY EQUAL TO OR GREATER THAN LIQUID LIMIT
 ▨ TOPSOIL - TS=X - APPROXIMATE DEPTH
 ▩ BERM MATERIAL

○ AUGER BORING - PLAN VIEW
 SAMPLES TESTED LAB. NO'S SQ 18220-18252 INCL.

NOTE: FIGURES BESIDE BORINGS INDICATE MOISTURE CONTENT IN PERCENT



CROSS SECTION AT STA 32+00



CROSS SECTION AT STA 31+06

