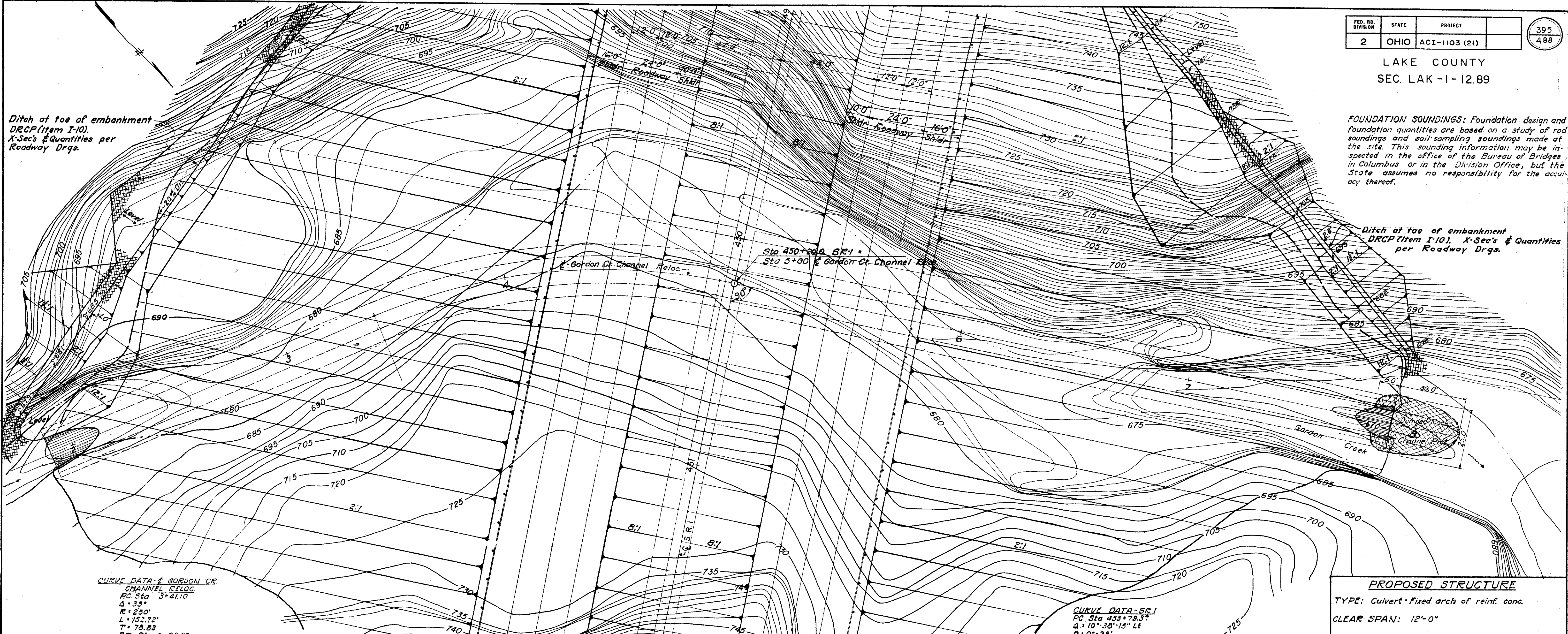


LAKE COUNTY
SEC. LAK-1-12.89

FOUNDATION SOUNDINGS: 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.

Ditch at toe of embankment
DRCP (Item I-10).
X-Sec's & Quantities per
Roadway Drgs.

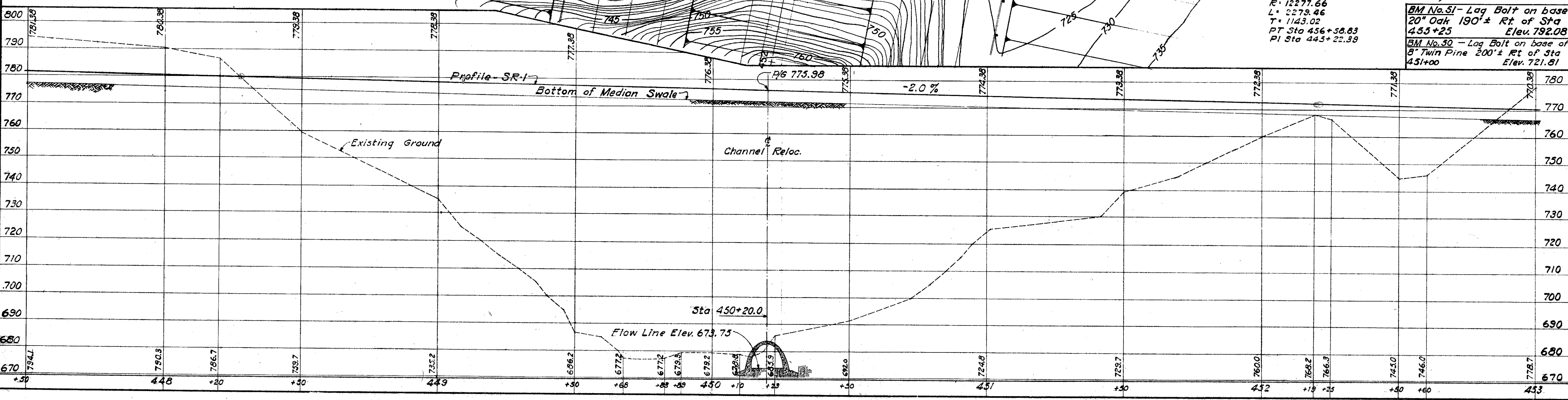
Ditch at toe of embankment
DRCP (Item I-10). X-Sec's & Quantities
per Roadway Drgs.



**CURVE DATA - GORDON CR
CHANNEL RELOC.**
PC Sta 3+41.10
Δ = 35°
R = 230'
L = 132.72'
T = 78.82
PT Sta 4+93.82

CURVE DATA - SR-1
PO Sta 433+78.37
Δ = 10°-38'-15" Lt
D = 0°-24'
R = 12277.66
L = 2278.46
T = 1143.02
PT Sta 456+58.83
PI Sta 443+22.39

BM No. 51 - Lag Bolt on base
20" Oak 190' ± Rt of Sta
455+25 Elev. 792.08
BM No. 30 - Lag Bolt on base of
8" Twin Pine 200' ± Rt of Sta
451+00 Elev. 721.81



PROPOSED STRUCTURE
TYPE: Culvert - Fixed arch of reinf. conc.
CLEAR SPAN: 12'-0"
CLEAR OPENING: 84.0 SF
DRAINAGE AREA: 2650 Acres
DESIGN FLOW: $Q_{50} = 755$ CF per Sec
per USGS Office, Columbus, Ohio
SKEW: 0°
ALIGNMENT: Curved

SEC. C-32 FED. AID PROJ. NO. ACI-1103 (21)
PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR
STATE OF OHIO
DEPARTMENT OF HIGHWAYS

SITE PLAN
BRIDGE NO. LAK-1-1523
SR-1 OVER GORDON CREEK
LAKE COUNTY
STA. 450+20.00

DESIGNED	DRAWN	TRACED	CHECKED	REVISED	DATE	REVISED
4	9		J.M.R.		10-22-57	