

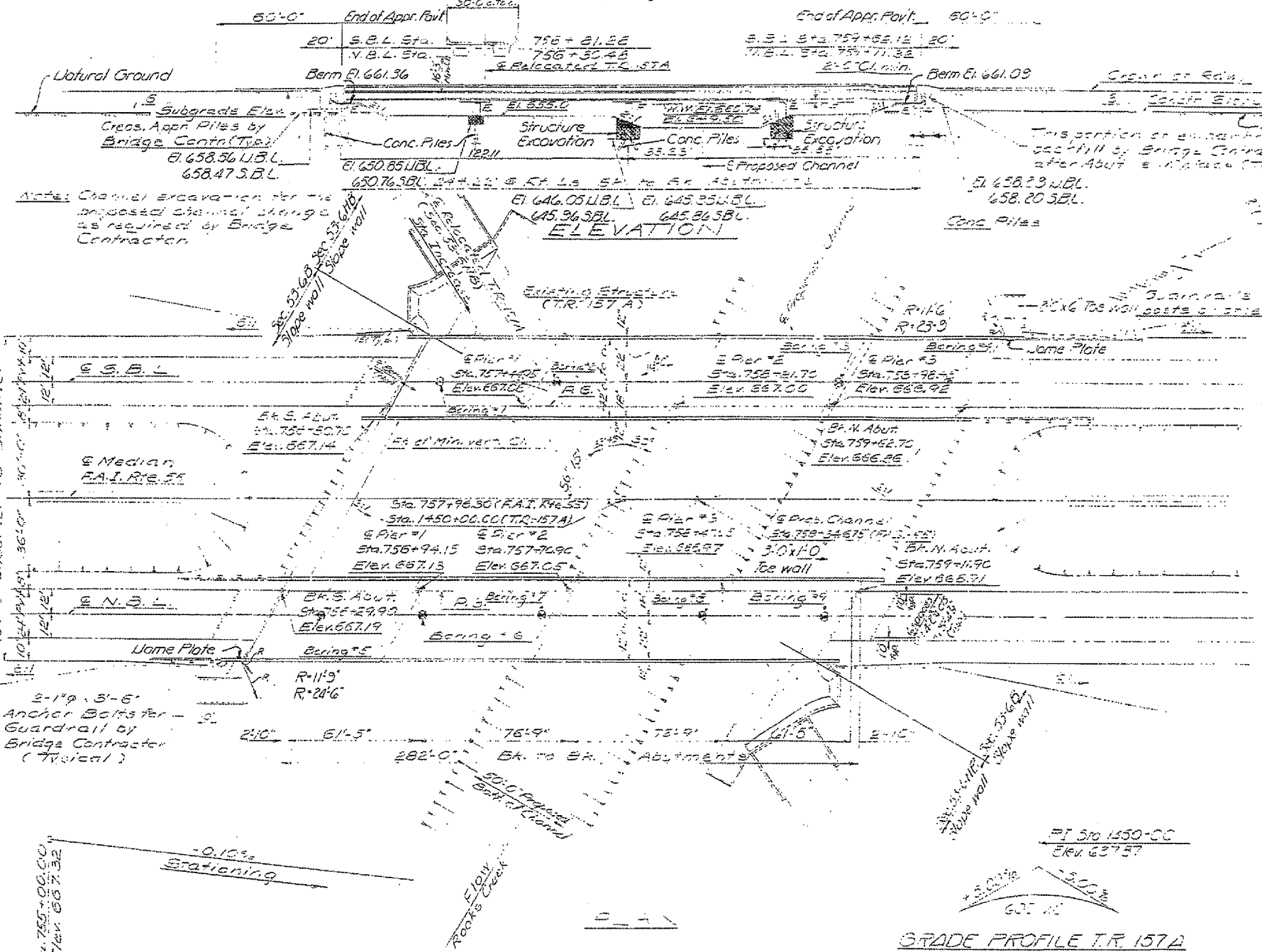
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	53(6HB-1,68)BP	LIVINGSTON	15	12

BM 173, RR Spike in 4th Power Pole East of
 Pk No 49 on T.R. 157A, Elev 659.01, 350' RA. Sta.
 760+00 F.A.I. Rte. 55
 Existing Structure: thru steel truss with steel I and timber deck on 30" steel corrugated girders
 T.R. 157A at Sta. 1450+00.00 to be removed during const. of Sec. 53-5B by Bridge Contractor.

STATE OF ILLINOIS
 DIVISION OF HIGHWAYS

APPROACH FILE DATA

Type: Crossed
 Length: 10.400 ft.
 No. Required: 23



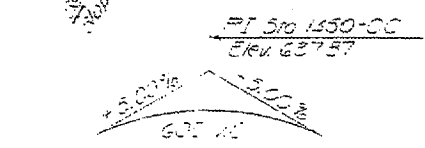
PROPOSED CHANNEL

For Channel Grange see ST 2

STRUCTURE BUILT BY
 STATE OF ILLINOIS
 FAI. RT. 55 SEC 53-5B
 PROJECT 555-5-6
 DURING 1958-59

WAKE PLATE
 (See Sta 2, 3)

GRADE PROFILE T.R. 157A



PROPOSED PROFILE F.A.I. RTE. 55
 Proposed Grade & Median edge of Pavts.

WATERWAY INFORMATION

Drainage Area 62.75 Sq. mi
 Character: level, cultivated
 Required Opening (50 yr flood) 1500 Sq. Ft.
 Present Opening 708 Sq. Ft.
 Proposed Opening 1500 Sq. Ft.
 Ordinary Water Elev. 552.0
 Low Water Elev. 551.0
 H.W. El. 550.74
 H.W. El. 552.70 (All time)
 Created Hand-drawn
 Q₁₀₀ = +168 cfs

DESIGN STRESSES

f_c = 1200 psi (Deck Fico)
 f_c = 400 psi (Curb, Parapet, Sub.)
 f_s = 20000 psi (Reinf.)
 f_s = 20000 psi (Struct.)
 f_v = 75 psi (Figs.)
 n = 10

LOADING HS 20-44 & ALT. (SEC. 53-5B)

Design Specifications: AASHTO, 1969 as modified
 Note: Allow 25% id for future M.S.

"FOR INFORMATION ONLY"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING STRUCTURE DETAILS
BRIDGE LOCATION NO. 2 AND 3
 FAI ROUTE 55 (I-55) SECTION 53(6HB-1,68)BP
 LIVINGSTON COUNTY
 SN 053-0122, SN 053-0124 (SB), SN 053-0125 (NB)

Date: 03/12/2007
 project: brldgpaint_07/053-0124 & 5.dgn