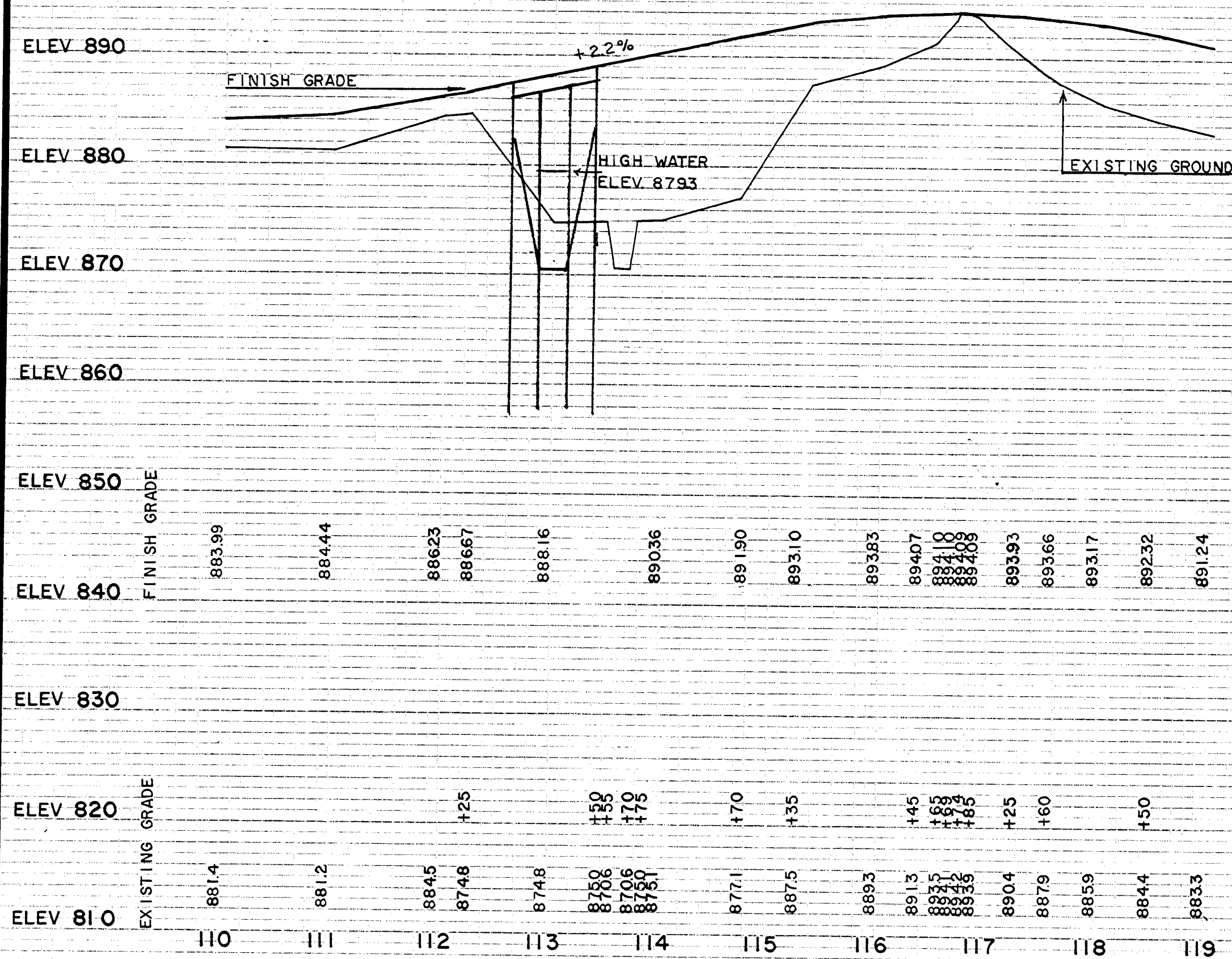


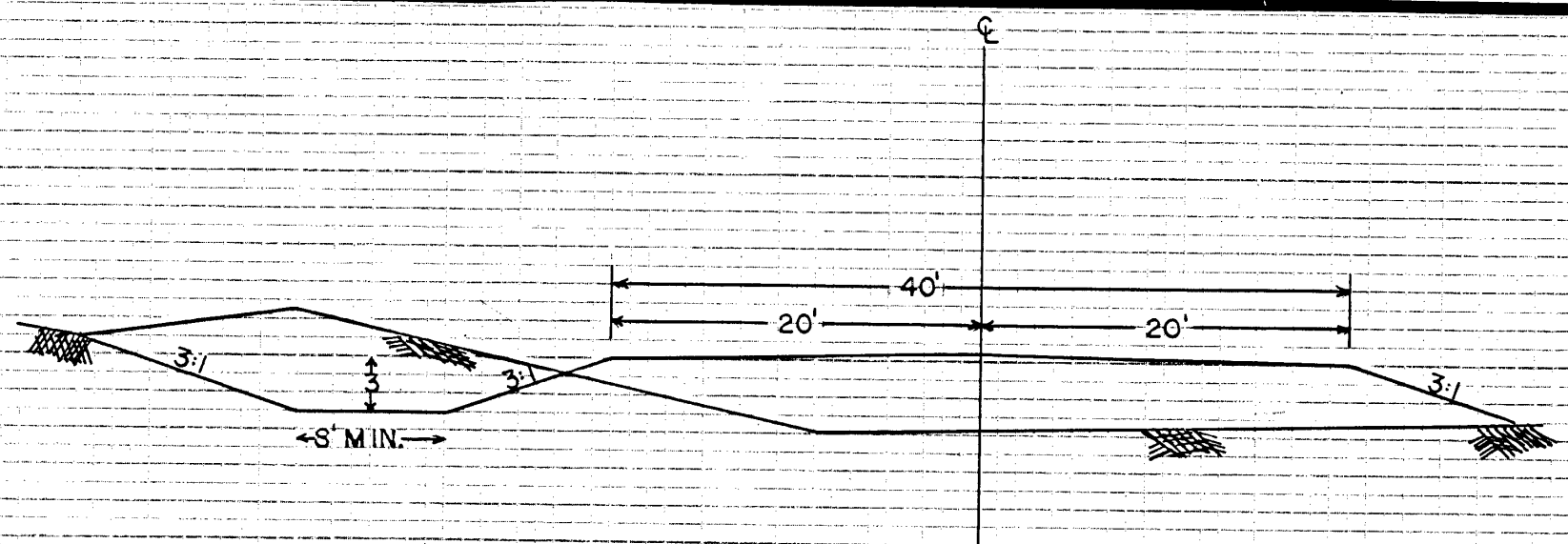
CONTRACTED PROFILE

SCALE: HOR. 1" = 100' VER. 1" = 10'

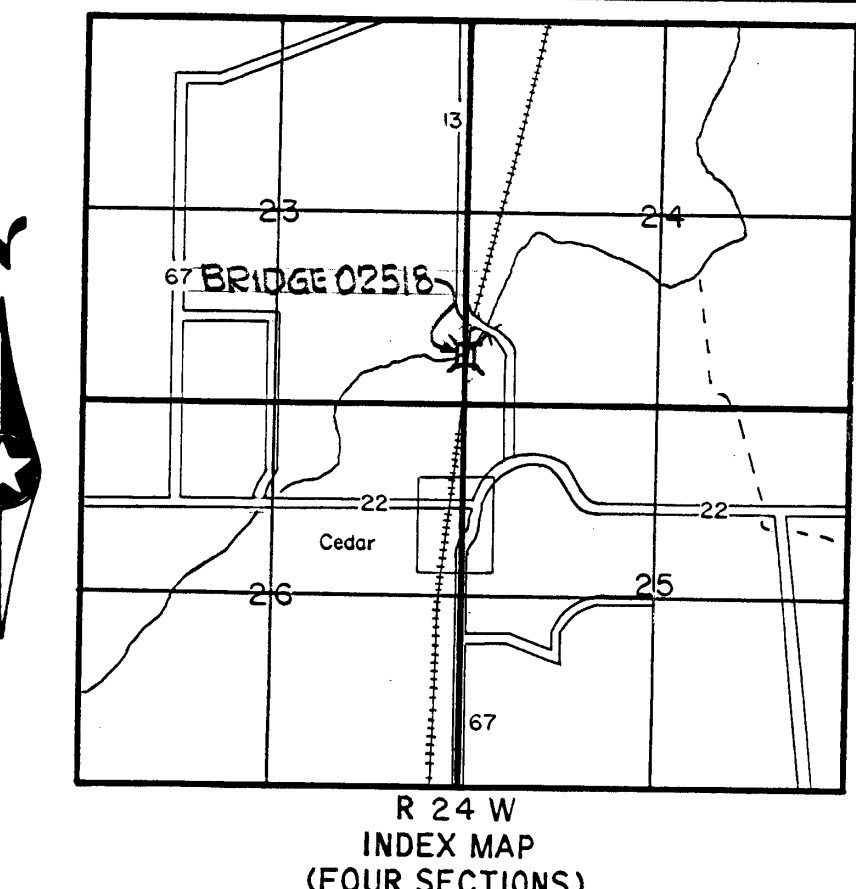


TYPICAL SECTIONS & PERTINENT DATA

SCALES AS SHOWN



Fed. Proj. No. S-7417 (1)



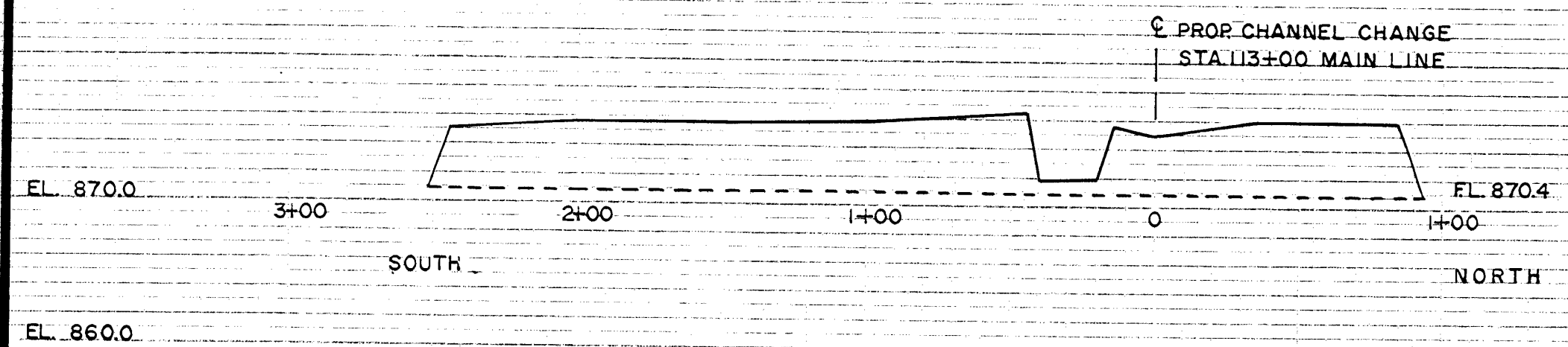
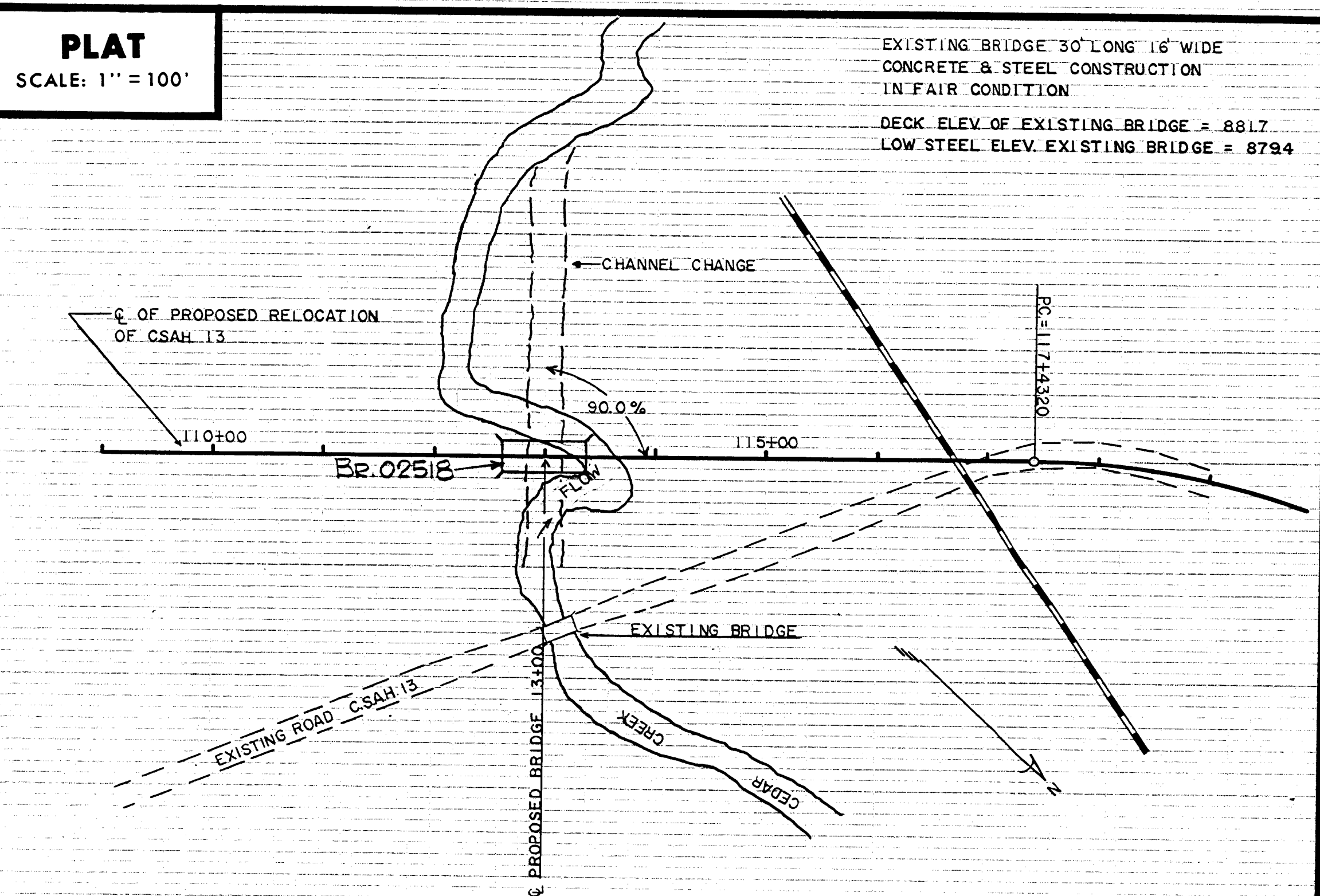
FOLLOW SEPARATE "INSTRUCTIONS FOR PREPARATION OF BRIDGE SURVEYS" WHEN MAKING BRIDGE SURVEYS.

DATA

- Preliminary recommendations of Engineer in charge of Bridge Survey:
 - a. Net span length and type of bridge: *18 (3 spans @ 6') Treated Timber Bridge*
 - b. Width of roadway on bridge: *29' 0" Clear*
 - c. Number and width of sidewalks, if any: *NONE*
 - d. Locate center of bridge at station: *113+00*
 - e. If a skew bridge is recommended, the angle of skew should be: *None*
 - f. Is piling required? *YES*
- Special features: Waterfalls, dams, exceptional floods, ice, driftwood, sliding banks, logging, etc. *None*
- Changes: In height or length from that of old bridge, and reasons why: *RELOCATION OF ROAD*
- Other bridges in vicinity:
 - a. Over same stream (particularly structures which carry high water without overflow of roadway); give location, length, height above water, net cross-sectional area at high water stage and estimated age: *APPROX. 2 MILES UPSTREAM, 1-30' SPAN, STEEL & CONCRETE LOW STEEL 5' ABOVE CREEK BOTTOM, NET CROSS SECTIONAL AREA 150 SQ. FT. AGE APPROX. 38 YRS.*
 - b. Over or under same highway or railroad; give location, length, horizontal and vertical clearances and estimated age: *NONE*
 - c. Reasons why these bridges are, or are not, fair indications of what length the proposed bridge should be: *NONE*
- If structure is over a drainage ditch, is ditch gradient liable to be altered? *NO*
- Navigation clearances required, if any: *NO*
- Information and evidence in regard to high water stages was obtained as follows: *LOCAL RESIDENTS*
- Must contractor provide for traffic during construction of proposed bridge? *NO*
If so, by what means? *NONE*

PLAT

SCALE: 1" = 100'



B.M. ELEV. 881.22 (M.S.L. 19 ADJ.)

SEE SHEET 4 OF 4 SHEETS FOR PLAN AND PROFILE

HYDRAULIC ENGINEERS RECOMMENDATION

HIGH AND LOW WATER ELEVATIONS
Data obtained from LOCAL RESIDENTS reflects highest water elevation in the area of this construction to be 879.3 and the lowest water elevation to be 873.3. The above figures are for informational purposes only. The state neither warrants nor represents that these figures for high water and low water are in any way indicative of the high water or low water to be expected or encountered during this construction.

SHIPPING POINT
Proposed Bridge is miles NORTH of * CEDAR which is the nearest Railroad shipping point.
*(Give name of town, station or siding)

STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
BRIDGE SURVEY
FOR
PROPOSED BRIDGE LOCATED MILES NORTH OF
CEDAR ON CSAH 13
(TOWN OR CITY) (T.H., C.S.A.H. OR C.A.R. NUMBER)
SEC. 24 TWP. 33N R. 24W
TOWNSHIP OAK GROVE COUNTY ANOKA
SURVEY MADE DURING MONTH OF DEC. 19 68.
SURVEY MADE BY E.J. LUNDHEIM
BRIDGE NO. 02518

Bridge Survey Sheet (Sheet 1 of 2)

