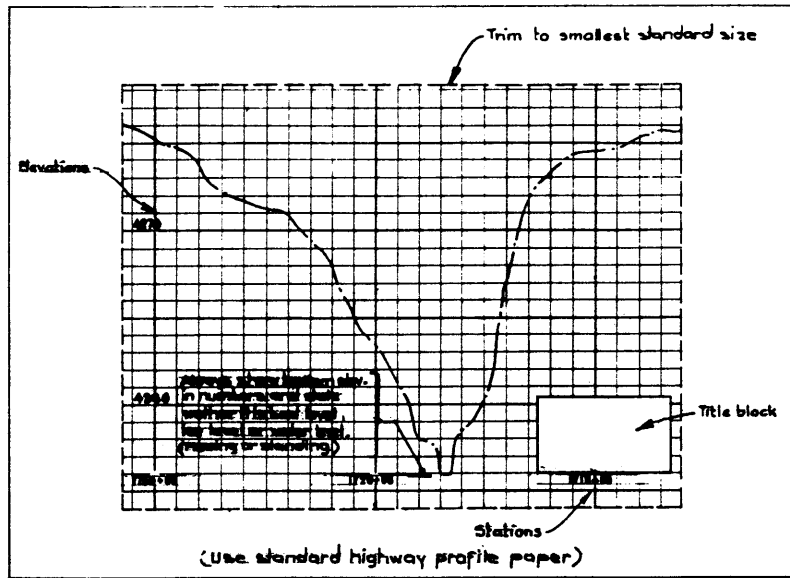


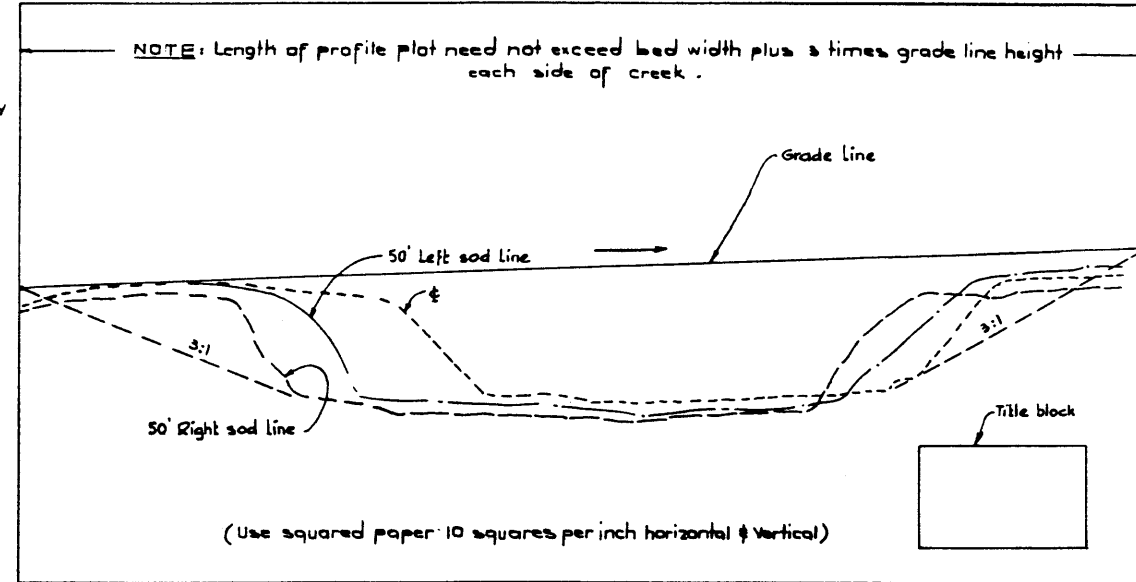
Note: When this standard dwg. is used trim off this line before folding



**'PROFILE' (Hwy. Scale.)**

**① PROFILE**

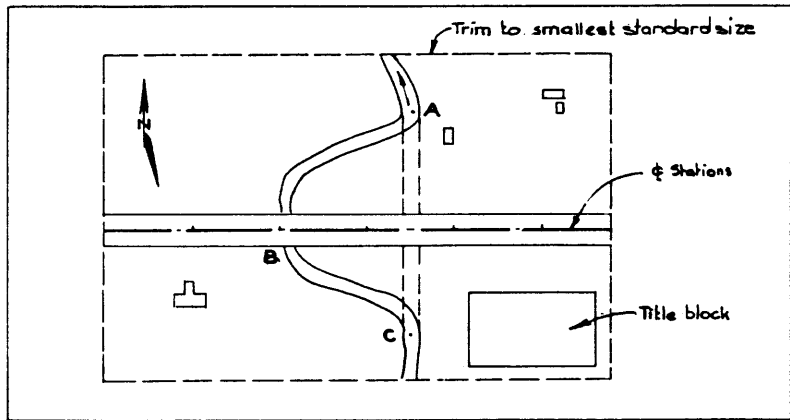
- a.) Enough profile should be plotted to permit design of grade.
- b.) Scale Horiz. 1" = 400', Vert. 1" = 10'. The vertical scale may be reduced to 1" = 20' for deep valleys.



**'NATURAL SCALE PROFILES'** (Scale 1" = 10' Vert. & Horiz. except when distance top of bank to top of bank exceeds 400' then scale 1" = 20' to be used)

**④ NATURAL SCALE PROFILES**

- a.) To cover only portion where bridge to be built.
- b.) Not required when bridge is to be built on a stream diversion clear of the old channel.



**'ALIGNMENT PLAN' (Small Scale, 1" = 100' or up.)**

**② ALIGNMENT PLAN**

- a.) To accurately show location of stream, buildings etc.
- b.) Scale to vary according to area and detail to be shown.

c.) Whenever possible particularly on larger site surveys an enlarged aerial or halftone or a photograph reproduction will be supplied and will form the basic site plan. This will reduce survey work in most cases.

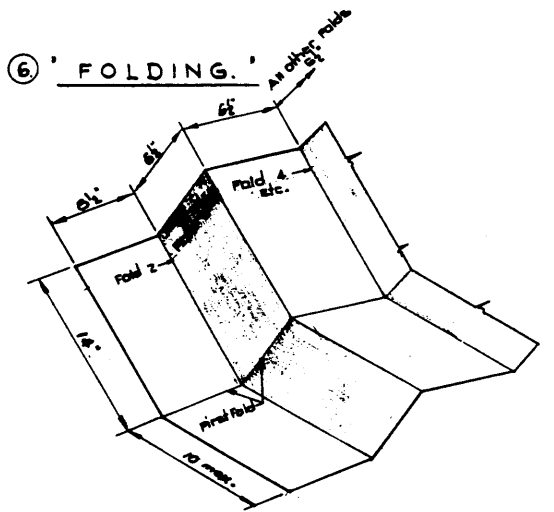
**⑤ 'TITLE BLOCK'**

Should show at least

1. Location,
2. Date,
3. Bridge File,
4. Surveyor (e.g. District ...)
5. Sheet... of ...

The 'Title Block' should be placed on the drawing after the drawing has been trimmed to a minimum size.

**⑥ 'FOLDING'**



**⑦ WIDTH OF SHEETS**

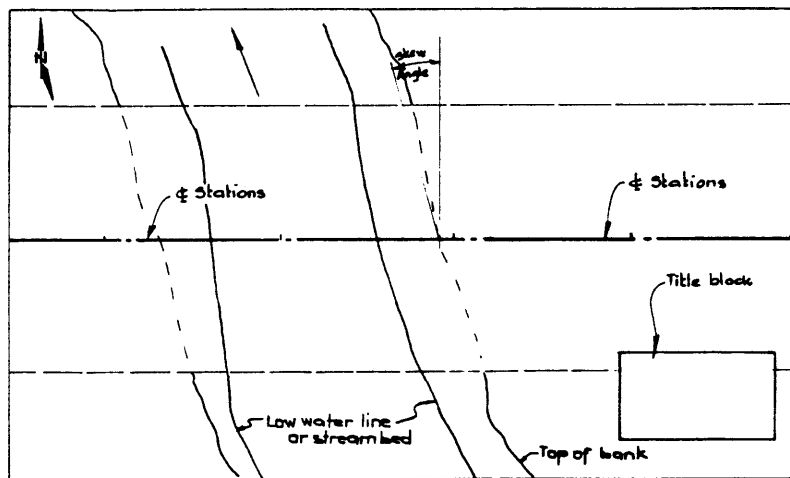
Each drawing showing the information above in ① ② ③ and ④ should be on standard sized sheets in widths of either 6 1/2", 15", 21 1/2", 26", 34" or 41".

**⑧ HEIGHT OF SHEETS**

The length of the sheet should be 11" or 14". If a greater height is necessary it means a horizontal fold and total height should not exceed 24".

⑨ All drawing i.e. ① ② ③ ④ may be combined into one sheet of 24" x 34" of smaller standard size.

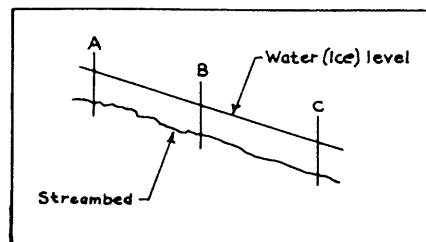
**⑩ All numbering (eg stations and elevations, and title blocks) should be kept close to the main body so as not to require a larger size sheet than otherwise necessary.**



**'SITE PLAN' (Large Scale 1" = 10' to 1" = 50')**

**③ SITE PLAN**

Required primarily to obtain skew angle and locate piers. Not required where bridge is to be on a stream diversion. Scale to vary according to area and accuracy of detail to be shown.



**STREAMBED PROFILE**

Scale: 1" = 10' Vertically  
1" = 400' Horizontally

**⑪ STREAMBED PROFILE**

- a.) Required primarily to design culvert inverts.
- b.) Reference to Alignment Plan
- c.) Length about 10 times R/W width

**INSTRUCTION FOR PLOTTING BRIDGE SURVEY INFORMATION**

GOVERNMENT OF THE PROVINCE OF ALBERTA  
DEPARTMENT OF HIGHWAYS  
BRIDGE BRANCH, EDMONTON

FILE NO. 10 HWY. NO. \_\_\_\_\_ DWS. NO. 5-905  
LOCATION \_\_\_\_\_ SCALE \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_

NO.	DATE	DESCRIPTION	BY

CHECKED BY P. SZOSTS DATE JAN 19 66

Fold line