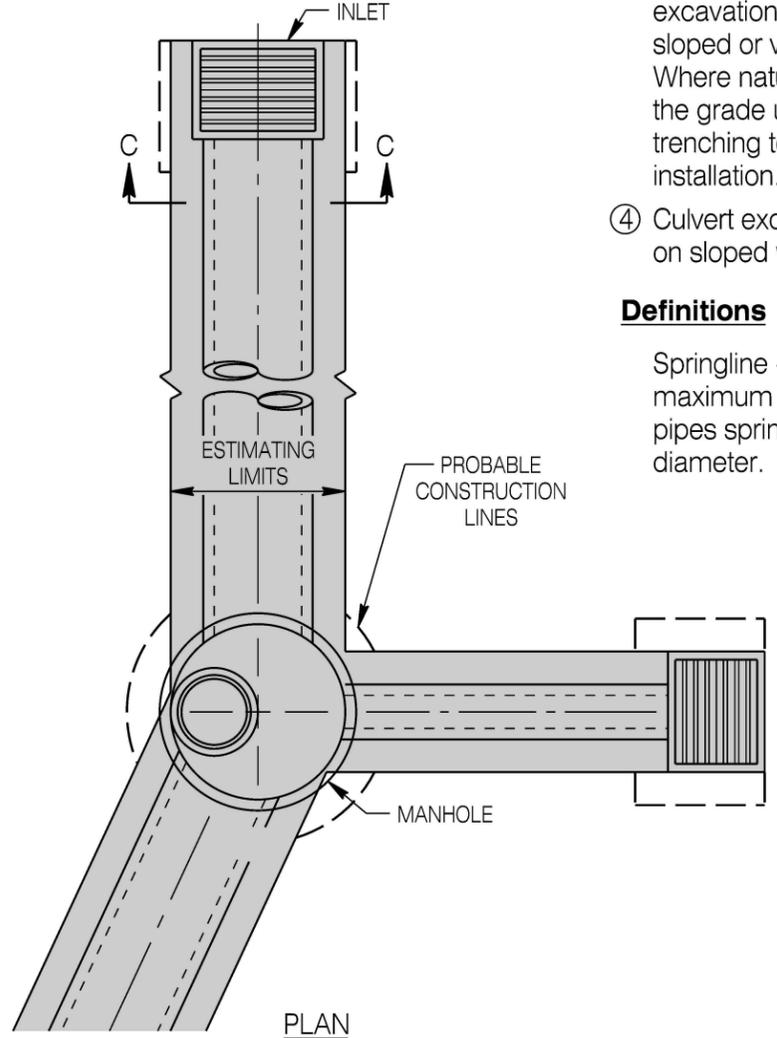
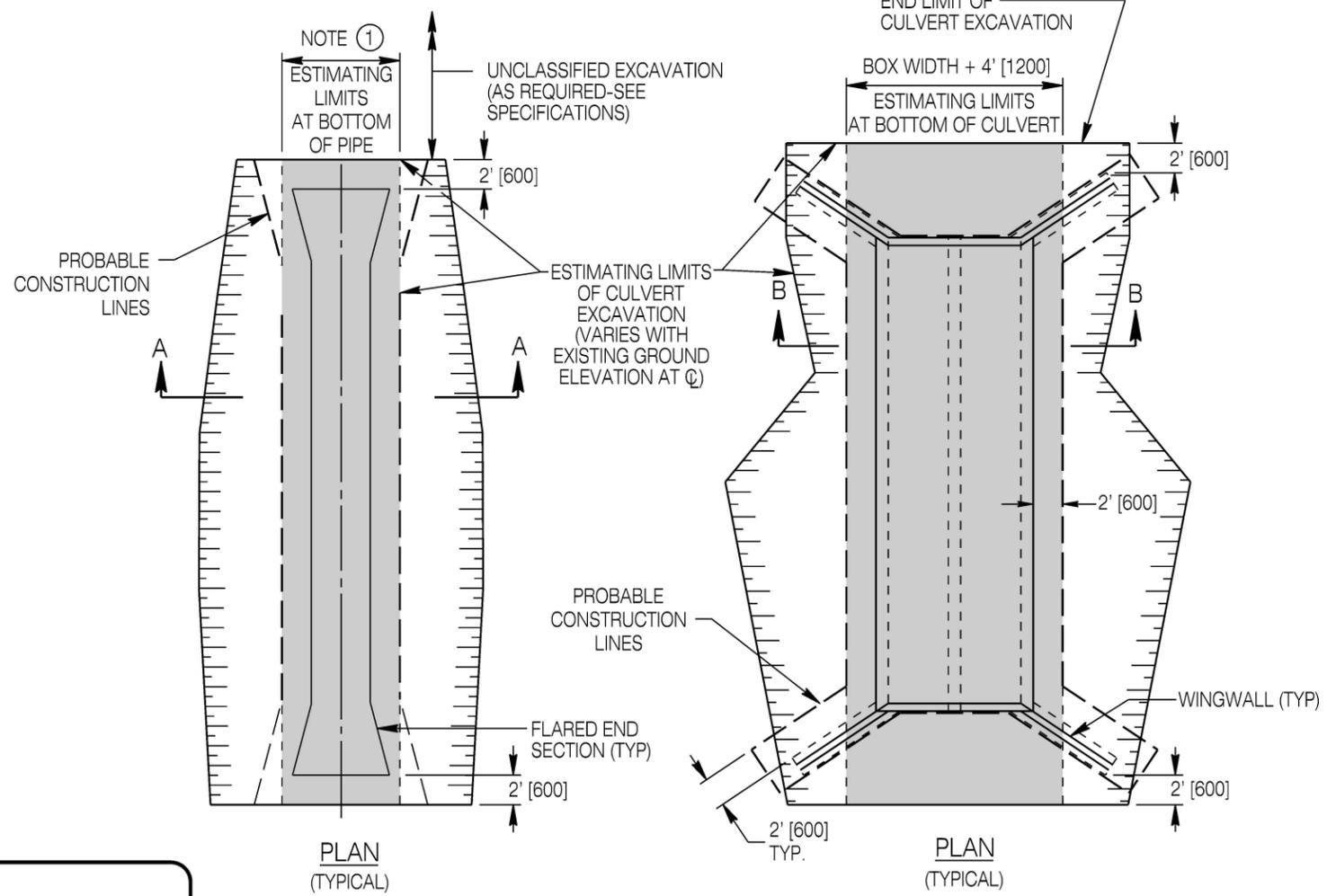


General Notes

- ① Reference Standard Plan 603-1_ for installation details for **pipe culverts**.
- ② This standard plan shows the theoretical, idealized limits used to estimate culvert and trench excavation when those quantities are shown in the contract. Quantities are approximate and do not take into account the pipe wall thickness for concrete pipes. Actual construction limits may vary from these quantities. No increase in quantities is provided for excavation around manholes, wing walls, flared ends, etc.
- ③ Culvert excavation for **pipe culverts** is estimated assuming vertical walls (in the same manner as trench excavation) since culvert excavation allows either sloped or vertical wall construction above springline. Where natural ground falls below the springline, bring the grade up to springline and compact prior to trenching to the bottom of the bed course for final pipe installation.
- ④ Culvert excavation for **box culverts** is estimated based on sloped walls as shown.

Definitions

Springline - the elevation at which the pipe reaches its maximum horizontal dimension (i.e. span). For round pipes springline is the elevation at one half of the diameter.



CULVERT EXCAVATION
(PIPE CULVERT)
SEE NOTES ①, ② & ③

CULVERT EXCAVATION
(BOX CULVERT)

TRENCH EXCAVATION

Designed by:	WBW
Drawn by:	TS
Checked by:	WBW
Previous Dwg. No:	206-1A

Note: Units shown in brackets [] are metric and are in millimeters (mm) unless other units are shown.



CULVERT AND TRENCH EXCAVATION
STANDARD PLAN

STANDARD PLAN NUMBER
206-1B
SHEET 1 of 1
Issued by: ENGINEERING SERVICES
Date Issued: OCTOBER 2020