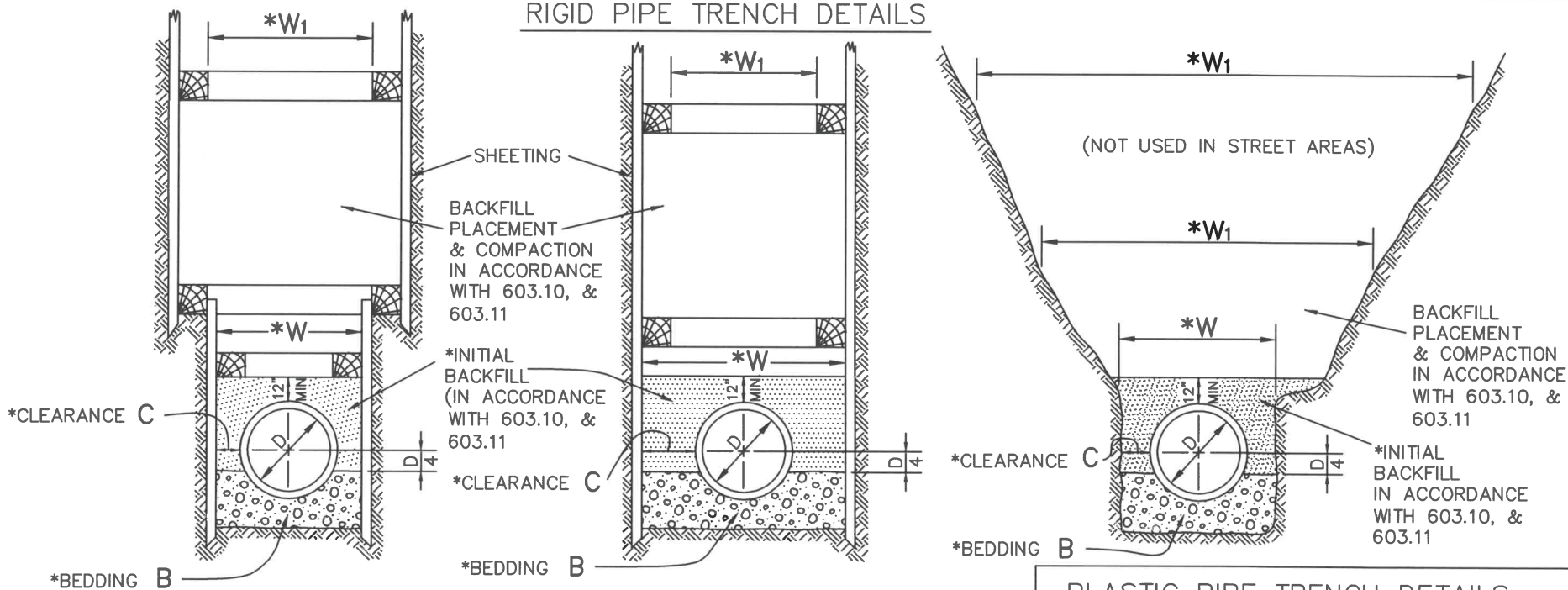


### RIGID PIPE TRENCH DETAILS



**NOTE:** ALL TRENCHES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS (LATEST EDITION).

- W** SHALL NOT EXCEED 39 INCHES FOR 8 TO 21 INCH DIAMETER CONDUITS, OR THE GREATEST OUTSIDE DIAMETER PLUS 4 TIMES THE SHELL THICKNESS FOR CONDUITS 24 INCH DIAMETER AND OVER.
- C** SHALL BE NOT LESS THAN 6 INCHES AT THE POINT OF GREATEST OUTSIDE DIAMETER ON CONDUITS UP TO AND INCLUDING 60 INCH DIAMETER. SHALL BE NOT LESS THAN ONE SHELL THICKNESS AT THE POINT OF GREATEST OUTSIDE DIAMETER ON 66 INCH DIAMETER AND OVER.
- W<sub>1</sub>** MAY BE EQUAL TO **W**, OR CAN BE MODIFIED AS GOVERNED BY SURFACE OR SUB-SURFACE CONDITIONS.
- B** MATERIAL AND DEPTH OF BEDDING UNDER CONDUIT (SEE ODOT 703.01, TABLE 1 FOR SIZES):
  - 6 INCHES OF SIZE NO. 57 CLEAN WASHED GRAVEL FOR CONDUIT 6 TO 60 INCHES IN DIAMETER.
  - 8 INCHES OF SIZE NO. 2 GRAVEL FOR CONDUIT LARGER THAN 60 INCHES IN DIAMETER.

### PLASTIC PIPE TRENCH DETAILS

- \* PLASTIC PIPE SHALL BE INSTALLED IN FULL COMPLIANCE WITH ASTM D-2321, LATEST EDITION.
- CLASS I AND CLASS II BEDDING AND INITIAL BACKFILL SHALL BE USED AS FOLLOWS:
  - CLASS I MATERIAL (CRUSHED/ANGULAR NO. 57) SHALL BE USED WHEN THE DEPTH OF COVER ON THE CONDUIT IS BETWEEN 14 - 35 FEET.
  - CLASS II MATERIAL SHALL BE USED WHEN THE DEPTH OF COVER ON THE CONDUIT IS 14 FEET OR LESS.

THE  
METROPOLITAN SEWER DISTRICT  
OF  
GREATER CINCINNATI  
**CONTROL DIMENSIONS FOR  
TYPICAL TRENCHES  
FOR CONDUITS**

NO SCALE DATE: JUNE 2019  
APPROVED: *Ryan Welsh*  
SEWERS CHIEF ENGINEER