



SLIDE DETAIL FOR LATERALS ENTERING MANHOLE. ALSO SEE DETAIL S.4

NOTES:

1. MANHOLE AND CONNECTIONS SHALL BE IN ACCORDANCE WITH FAYPWC STANDARD MANHOLE.
2. BRICK USED FOR INVERT AND SHELF CONSTRUCTION SHALL BE NCDOT STANDARD CONCRETE JUMBO BRICK, MEETING ASTM C55 GRADE J-11 EXCEPT ABSORPTION LESS THAN 10 LBS/CU.FT.
3. MATERIAL USED TO SEAL AROUND PIPE SHALL BE NON-SHRINK GROUT.
4. MANHOLE SHALL BE CONSTRUCTED OF PRECAST CONCRETE. FIBERGLASS MANHOLE IS NOT ACCEPTABLE.
5. MANHOLE MEETS ALL REQUIREMENTS OF ASTM C478.
6. CONCRETE IS MINIMUM 4,000PSI COMPRESSIVE STRENGTH.
7. MANHOLES GREATER THAN 12' IN DEPTH SHALL HAVE MINIMUM 6" EXTENDED BASE.
8. SEE STANDARD MANHOLE DETAIL FOR ADDITIONAL REQUIREMENTS.
9. MORTAR SLIDE SHALL BE USED FOR LESS THAN 1 FOOT SEPARATION BETWEEN INVERT OUT AND INVERT OF INCOMING PIPE.
10. PIPE SLIDE REQUIRED WHERE VERTICAL SEPARATION BETWEEN PIPE INVERTS IS GREATER THAN 1' AND LESS THAN OR EQUAL TO 2.5'.
11. INTERIOR DROP STRUCTURE REQUIRED WHERE VERTICAL SEPARATION BETWEEN INVERTS EXCEEDS 2.50'. SEE INTERIOR DROP STRUCTURE DETAIL.
12. VERIFY SLIDE INSTALLATION WITH PROJECT COORDINATOR PRIOR TO CONSTRUCTION.
13. MANHOLE AND CONNECTIONS SHALL BE IN ACCORDANCE WITH FAYPWC STANDARD MANHOLE DETAIL.
14. THE MINIMUM SLOPE ACROSS THE INVERT OF THE MANHOLE SHALL BE 1%, UNLESS OTHERWISE APPROVED BY FAYPWC.
15. WHEN EXTENDING IN FUTURE, CONNECT TO EXISTING MANHOLE PER FAYPWC STANDARDS.
16. THE LATERAL INVERT SHALL BE AT THE TOP OF SHELF. AT TERMINAL MANHOLES, THE CROWN OF THE LATERAL SHALL BE NO LOWER THAN THE CROWN OF THE OUTGOING SEWER MAIN, UNLESS OTHERWISE APPROVED BY FAYPWC.
17. NO MORE THAN 4, FOUR INCH LATERALS OR 3, SIX INCH LATERALS SHALL ENTER A 4' DIAMETER TERMINAL MANHOLE. NO MORE THAN 2 LATERALS (REGARDLESS OF SIZE) SHALL ENTER ALL OTHER 4' DIAMETER MANHOLES. ALL LATERALS SHALL HAVE AN INDIVIDUAL TROUGH UNLESS THEY HAVE A SLIDE OR DROP STRUCTURE. 5' DIAMETER MANHOLES SHALL BE USED IF THE ABOVE CONDITIONS ARE NOT MET.
18. NO MORE THAN 5 LATERALS SHALL ENTER A 5' DIAMETER MANHOLE.
19. USE OF TEE-WYES ON LATERALS IS NOT ALLOWED.

TERMINAL MANHOLE N.T.S.			FAYETTEVILLE PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.			NO.	DATE	REVISION
SHEET NO. 1 OF 1	DWG. NO.	S.20	DWG. BY: FAYPWC					
	DATE:	JAN. 01, 2025	APPROVED BY: K.A.H.					
WATER RESOURCES ENGINEERING DEPARTMENT								