

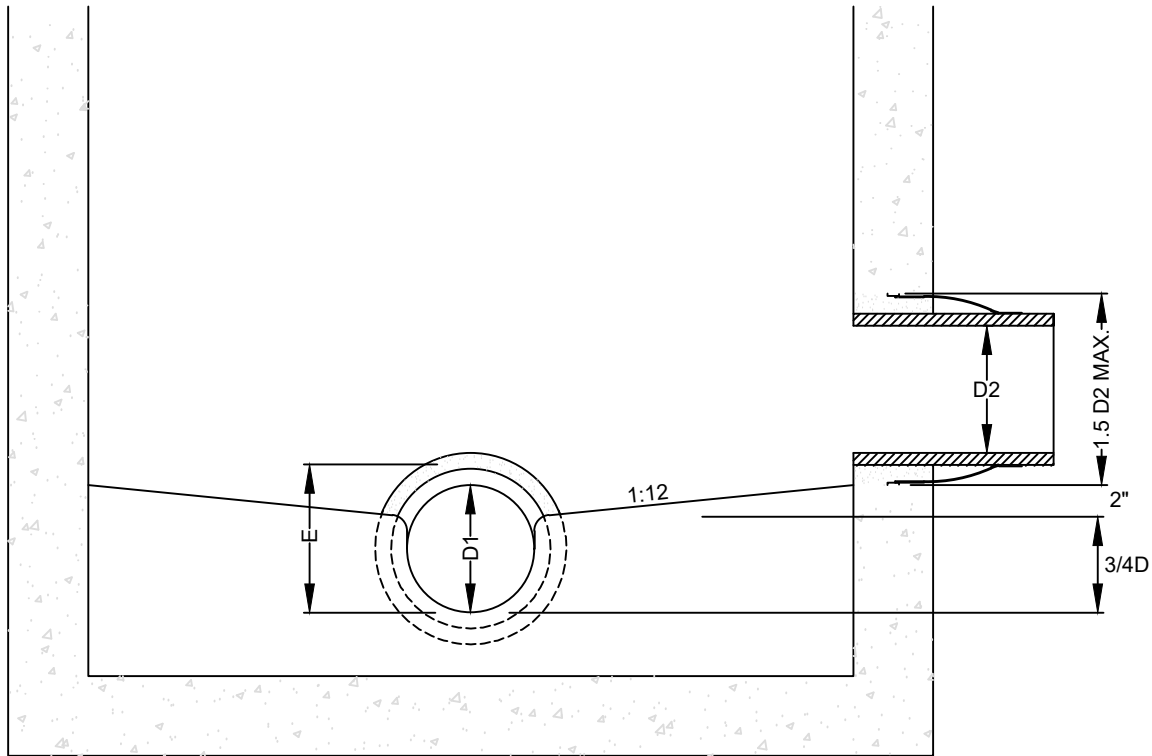
TO FIND "E" ENTER CHART AT LEFT WITH EFFLUENT PIPE SIZE AND ENTER PIPE AT TOP WITH INFLUENT PIPE SIZE. "E" DISTANCE IS POINT OF CONVERGENCE OF COLUMN AND R/W.

| | | D2 | | | | | | |
|----|----|-------|-------|-------|-------|-------|--------|-------|
| | | 4" | 6" | 8" | 12" | 15" | 18" | 24" |
| D1 | 8 | 9.00 | 9.50 | 10.00 | - | - | - | - |
| | 12 | 11.00 | 11.50 | 12.00 | 13.00 | - | - | - |
| | 15 | 14.25 | 14.75 | 15.25 | 16.25 | 17.00 | - | - |
| | 18 | 16.50 | 17.00 | 17.50 | 18.50 | 19.25 | 20.00 | - |
| | 24 | 21.00 | 21.50 | 22.00 | 23.00 | 23.75 | 24.50" | 26.00 |


WHERE 5' MANHOLE IS REQUIRED ADD 1/2" TO "E" DISTANCE TO ACCOUNT FOR THE ADDITIONAL 6" OF SHELF SLOPE.

NOTES:

1. SEE FAYPWC STANDARD MANHOLE AND PIPE SLIDE, MORTAR SLIDE, AND SHELF DETAILS FOR ADDITIONAL INFORMATION.
2. THE "E" DISTANCES INDICATED ARE FOR CONNECTION TO AN EXISTING OUTFALL AND ARE THE MINIMUM DISTANCE ALLOWABLE.
3. WHERE SANITARY SEWER OUTFALLS AND MAINS ARE BEING CONSTRUCTED THE TOP OF THE EFFLUENT PIPE AND THE TOP OF THE INFLUENT PIPE SHALL BE AT THE SAME ELEVATION UNLESS CONDITIONS ARE PROHIBITIVE TO THIS PRACTICE.



| MAIN OR LATERAL MIN. SLOPE | |
|----------------------------|----------------------|
| 4" | @ 2.00% MIN. |
| 6" | @ 0.67% MIN./MAIN |
| 6" | @ 1.00% MIN./LATERAL |
| 8" | @ 0.40% MIN. |
| 12" | @ 0.22% MIN. |
| 15" | @ 0.15% MIN. |
| 18" | @ 0.12% MIN. |

| | | | | | | | | |
|---|----------------------|---------------------|--|--|---|-----|------|----------|
| MH CONNECTION DESIGN GUIDE N.T.S. | | | FAYETTEVILLE PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C. | |  | NO. | DATE | REVISION |
| | | | | | | | | |
| SHEET NO. 1 OF 1 | DWG. NO. S.18 | DWG. BY: FAYPWC | WATER RESOURCES ENGINEERING DEPARTMENT | | | | | |
| | DATE: JAN. 01, 2025 | APPROVED BY: K.A.H. | | | | | | |