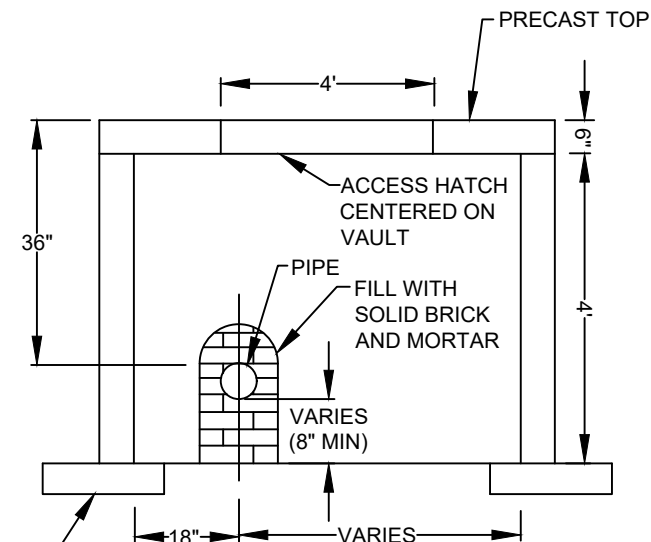
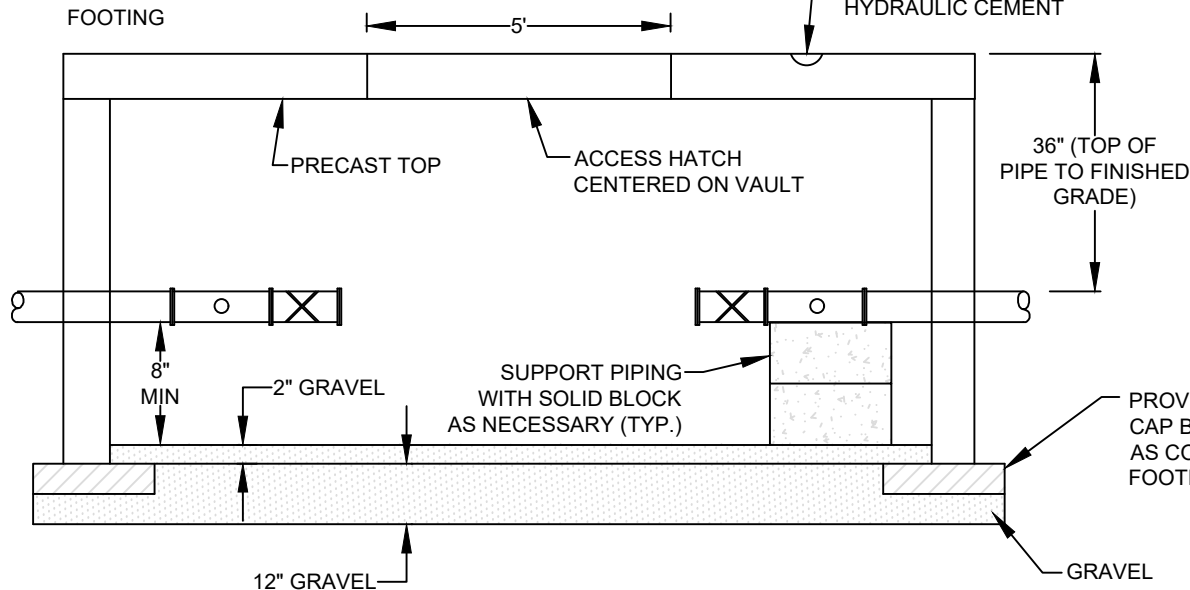


PROVIDE
CAP BLOCKS
AS CONTINUOUS
FOOTING

PLAN

RECESSED LIFTING HOOK
TO BE FILLED WITH
HYDRAULIC CEMENT



SECTION A-A

METER VAULT
N.T.S.

**FAYETTEVILLE
PUBLIC WORKS COMMISSION
FAYETTEVILLE, N.C.**

**WATER RESOURCES
DEPARTMENT**



NO.	DATE	REVISION
1	09/10	REVISED PIPE BURY DEPTH, NOTES
2	11/23	CLARIFIED FOOTING REQUIREMENTS
3		

SHEET NO.
1 OF 2

DWG. NO. **W.20**


DWG. BY: FAYPWC

DATE: JAN. 01, 2024

APPROVED BY: M.M.M.

METER SIZE	MIN PIPE DIA	SPACING BETWEEN GATE VALVES (SEE NOTE 20)	VAULT SIZE (INSIDE DIM.)
3"	4"	5'	5'x10'
4"	4"	5'	5'x10'
6"	6"	5'	(SEE NOTE 19) 5'x10'
8"	8"	5'	6'x12'

- NOTES:
1. VAULTS SHALL BE PRECAST REINFORCED CONCRETE (4,000PSI). VAULT CONSTRUCTION SHALL BE CERTIFIED BY MANUFACTURER TO WITHSTAND LOADING DUE TO BACKFILLING, IN ACCORDANCE WITH ACI 318.
 2. BRICK VAULTS SHALL NOT BE ACCEPTABLE.
 3. NO RISERS SHALL BE ALLOWED.
 4. VAULTS SHALL HAVE INSIDE DIMENSIONS AS INDICATED ON CHART.
 5. VAULT SHALL BE LOCATED OUTSIDE OF PAVED TRAFFIC AREAS.
 6. METER VAULT SHALL BE LOCATED WITHIN PUBLIC RIGHT-OF-WAY OR DEDICATED EASEMENT. IF IN EASEMENT, PROVIDE A MINIMUM 5' CLEARANCE AROUND VAULT.
 7. CONTRACTOR SHALL PROVIDE ALL FITTINGS, PIPING, ETC. AS INDICATED.
 8. THE VAULT SHALL BE LOCATED NO CLOSER THAN 5' FROM ANY STRUCTURE.
 9. PIPING SHALL BE RESTRAINED JOINT DUCTILE IRON FROM TAP AT MAIN TO VAULT.
 10. PIPE FITTINGS INSIDE VAULT SHALL BE FLANGED.
 11. VAULT SHALL BE SET PLUMB AND LEVEL, MATCH FINISHED GRADE, AND SHALL HAVE POSITIVE DRAINAGE AWAY FROM IT.
 12. INSTALL SOLID CONCRETE CAP BLOCKS AS CONTINUOUS FOOTING WITH NO GAPS.
 13. PWC TO INSTALL METER AND FITTINGS UPON ACCEPTANCE OF PROJECT.
 14. ACCESS HATCH SHALL BE 5'x4' DOUBLE DOOR CENTERED ON VAULT, SO AS TO PROVIDE CLEAR ACCESS TO METER.
 15. ACCESS HATCH SHALL BE ALUMINUM, MOUNTED FLUSH AND SHALL BE CAPABLE OF BEARING INCIDENTAL TRAFFIC LOADS. ALL OTHER HATCHES SHALL BE APPROVED BY PWC PRIOR TO CONSTRUCTION. BOLTS, HINGES, AND HOLD OPEN ARM SHALL BE 316 STAINLESS STEEL.
 16. ACCESS HATCH SHALL LATCH AUTOMATICALLY UPON CLOSURE (SLAMLOCK). HATCH SHALL BE LOCKABLE USING A KEYED LOCKING MECHANISM INTEGRAL TO THE HATCH. HATCH MANUFACTURER SHALL PROVIDE ONE OPERATING KEY TO PWC.
 17. ALL LIFTING HOLES SHALL BE FILLED WITH HYDRAULIC CEMENT.
 18. LATERAL AND VAULT INSTALLATION SHALL BE APPROVED BY FAYPWC PROJECT COORDINATOR PRIOR TO BACKFILL.
 19. LATERAL AND PIPING INSIDE OF VAULT SHALL PASS HYDROSTATIC AND STERILIZATION TESTS (200PSI).
 20. IF USING 8" PIPING WITH A 6" METER, THE VAULT SHALL BE 6'x12'.
 21. CONTRACTOR SHALL VERIFY VAULT DIMENSIONS, METER DIMENSIONS, AND PIPE LAYOUT WITH PWC PRIOR TO ORDERING MATERIALS.

METER VAULT			FAYETTEVILLE PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.		NO.	DATE	REVISION
SHEET NO. 2 OF 2	DWG. NO. W.20	DWG. BY: FAYPWC	WATER RESOURCES ENGINEERING DEPARTMENT		1	09/10	REVISED PIPE BURY DEPTH, NOTES
	DATE: JAN. 01, 2024	APPROVED BY: M.M.M.			2	11/23	CLARIFIED FOOTING REQUIREMENTS
					3		