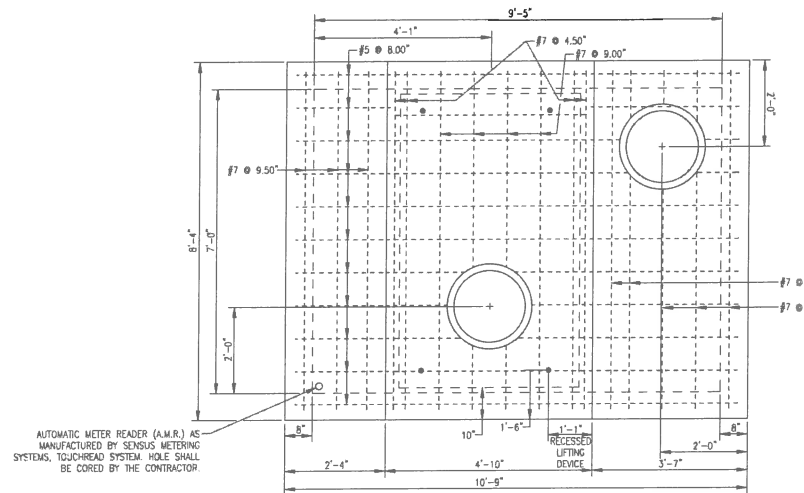
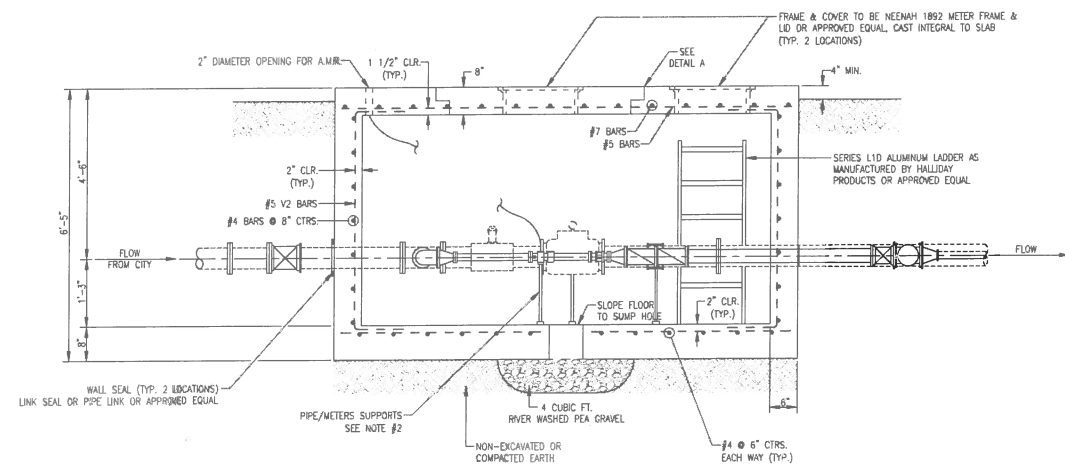


PLAN



TOP SLAB CONCRETE REINFORCEMENT DETAIL



SECTION A-A

GENERAL NOTES:

1. USE 4000 PSI COMPRESSIVE STRENGTH CONCRETE THROUGHOUT. ALL EXPOSED EDGES SHALL BE FINISHED WITH AN EDGING TOOL. ALL REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60.
2. IN GENERAL, PIPES WILL ENTER AND LEAVE VAULT AT VARIOUS POSITIONS. WHERE POSSIBLE, BEND BARS TO MISS OPENINGS.
3. VAULT OPENINGS SHALL BE PLACED TO AFFORD EASY ACCESS TO EQUIPMENT. TOP REINFORCING BARS SHALL BE ADJUSTED ACCORDINGLY.
4. DESIGN LOADING IS AASHTO H 20-40.
5. ALL REINFORCING TO HAVE 2" EDGE AND END CLEARANCE UNLESS NOTED.
6. ALL VAULT CONSTRUCTION SHALL BE WATERTIGHT.
7. THE VAULT TOP SHALL BE SEALED ON AN APPROVED BUTYL-RUBBER SEALANT TO PROVIDE A WATERTIGHT SEAL.

NOTES:

1. PROVIDE 2 #4 EXTRA REINF. EACH SIDE OF MANHOLE RING OPENING.
2. PIPE/METER SUPPORTS MAY BE POURED IN PLACE OR MECHANICAL PIPE SUPPORTS AS MANUFACTURED BY FIT GRINNEL OR APPROVED EQUAL ON 2" CONCRETE PADS (TYP. 3 LOCATIONS.)
3. ALL PIPE, APPURTENANCES, AND OTHER ITEMS REQUIRED TO COMPLETE THE METER VAULT AS SHOWN SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR AND SHALL BE INCLUDED IN THE BID FOR METER VAULT.
4. ALL COUPLINGS SHALL INCLUDE A 1/2" GAP BETWEEN PLAN ENDS OF THE ADJOINING PIPE.
5. ALL PIPING, FITTINGS, AND ADAPTORS NECESSARY TO MAKE THE DOWNSTREAM CONNECTION TO THE EXISTING WATERLINE SHALL BE CONSIDERED SUBSIDIARY TO THE PRICE BID FOR THE RESPECTIVE METER VAULT.
6. VAULT SHALL BE CONSTRUCTED WATERTIGHT.
7. CONCRETE SHALL BE CLASS I PER SPECIFICATIONS.
8. EXTERIOR WALLS SHALL BE COATED WITH WALSPAR HI-BUILD BITUMINOUS COATING 35-3-10, THEMEC 46-450 HEAVY THEMEDOL OR APPROVED EQUAL.

2 1/2" METER & 6" FIRE SERVICE VAULT	
A	2 1/2" COUPLING (VICTAULIC OR APPROVED EQUAL)
B	2 1/2" SENSUS METER *
C	2 1/2" x 2'-0" PVC SCH. 80 FL X FL SPOOL
D	4" GATE VALVE (FL X FL)
E	4" DI CL FL X FL PIPE (L=1'-0")
F	VAULT CLAMPS OR MEGA-LUG PIPE RESTRAINT
G	6" x 6" DI CL MJ TEE
H	4" x 2 1/2" REDUCER (FL X FL)
I	4" 90° BEND (FL X FL)
J	4" CHECK VALVE (SWING)
K	2 1/2" FL X FL PE PVC SCH 80 SPOOL (L=1'-6")
L	6" DI CL MJ 90° BEND
M	6" DETECTOR CHECK VALVE *
N	6" MJ GATE VALVE WITH VALVE BOX & LID
O	6" COUPLING (BRICO INDUSTRIES OR APPROVED EQUAL)
P	6" DI CL FL X FL SPOOL (L=1'-6")
Q	4" DI CL FL X PE (L=AS NECESSARY)
R	6" DI CL PIPE (GASKETED)
S	6" x 4" TEE (FL X FL)
T	6" DI CL FL X PE PIPE (L=VARIES)
U	6" DI CL FL X PE SPOOL (L=1'-6")
V	4" x 3" REDUCER AND ADAPTORS NECESSARY TO CONNECT TO SERVICE
AA	1 1/2" SENSUS METER *
BB	6"x2" SMITH-BLAIR 372 STAINLESS STEEL SERVICE SADDLE
CC	2" BRASS 90° ANGLE SERVICE VALVE
DD	1 1/2" x 0'-6" PVC SCH. 80 FL X FL SPOOL
EE	2" PVC SCH. 80 PIPE
FF	2" x 1 1/2" REDUCER (FL X FL)
GG	1 1/2" COUPLING (VICTAULIC OR APPROVED EQUAL)

* PROVIDED BY CITY OF ARKANSAS CITY, INSTALLED BY CONTRACTOR.

CUSTOM METER AND FIRE SERVICE VAULT DETAIL

