

6658 OLENTANGY RIVER RD.  
DELAWARE, OH 43015  
PHONE: (740) 548-7746  
FAX: (740) 548-2089

# MASTER METER VAULT

REVISED  
20 July 18

SCALE  
NTS

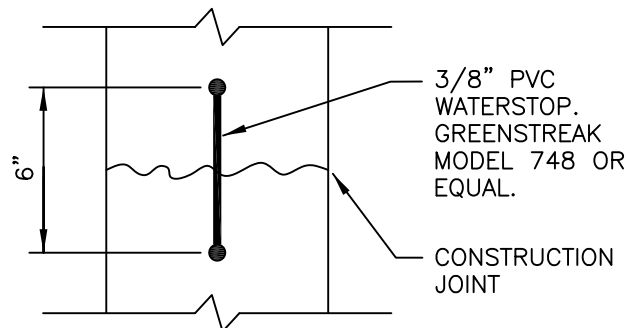
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NOTES:

1. VAULT SHALL BE PRECAST REINFORCED CONCRETE, CONSTRUCTED AS A SINGLE WATERTIGHT UNIT WITH THE EXCEPTION OF THE TOP SLAB AND THE ACCESS HATCH RING. PVC WATERSTOP SHALL BE PLACED AT ALL CONSTRUCTION JOINTS AND BE CONTINUOUS FOR THE LENGTH OF JOINT WITH END SEALS WELDED. PROVIDE FOUR INTERIOR LIFTING CABLES AT EACH CORNER. VAULT SHALL BE DESIGNED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER TO WITHSTAND AN AASHTO H<sub>2</sub>O LIVE LOAD, WITH EXCEPTION OF THE HATCH. PROVIDE ENGINEERED STAMPED DRAWING SUBMITTAL STATING DESIGN PARAMETERS.
2. PROVIDE ALL EQUIPMENT AND MATERIALS EXCEPT METER. DEL-CO WATER WILL FURNISH METER AT DEL-CO'S OFFICE. CONTRACTOR SHALL TRANSPORT THE METER TO THE SITE AND INSTALL IT.
3. ACCESS HATCH SHALL BE ALUMINUM CHECKERED PLATE WITH EXTRUDED ALUMINUM FRAME. PROVIDE WITH TYPE 316 STAINLESS STEEL HINGES, HOLD OPEN ARM, AND OTHER HARDWARE. DESIGN LIVE LOAD SHALL BE 300 PSF. PROVIDE WITH FLUSH DROP HANDLE AND STAPLE TO RECEIVE OWNER'S PADLOCK. FRAME SHALL BE CAST IN REINFORCED CONCRETE RING. DRAIN FRAME TO OUTSIDE. APPLY BITUMINOUS COATING TO SURFACES IN CONTACT WITH CONCRETE. U.S.F. FABRICATION TPS 300 OR EQUAL.
4. VAULT LADDER SHALL BE ALUMINUM, ANCHORED TO FLOOR AND WALL USING 4 INCH STANDOFFS AND STAINLESS STEEL ANCHORS. LADDER WIDTH SHALL BE 18 INCHES AND RUNGS SPACED AT 12 INCHES. PROVIDE RETRACTABLE ALUMINUM 40-INCH HEIGHT SAFETY EXTENSION.
5. PROVIDE ZOLLER MODLE M53 SUMP PUMP WITH FLOAT SWITCH LEVEL CONTROL. PROVIDE POWER CABLE OF SUFFICIENT LENGTH TO EXTEND 3 FEET PAST HATCH, TERMINATE WITH STAINLESS STEEL 1" J-HOOK.
6. FINAL GRADE SHALL BE SLOPED AWAY FROM THE METER VAULT.
7. THE EASEMENT AREA AROUND THE MASTER METER VAULT SHALL BE FOR THE UNOBSTRUCTED USE OF DEL-CO WATER COMPANY, INC. PLACEMENT OF FENCES, WALLS, PILLARS, TREES, GARDENS, SHRUBBERIES, AND OTHER SURFACE FEATURES IS STRICTLY PROHIBITED.

METER SIZE			
SIZE	6"x1½"	8"x2"	10"x2"
A	51"	57"	66"
B	32"	33"	38"
C	45"	53"	68"
D	89"	96"	112"



**WATERSTOP DETAIL**



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