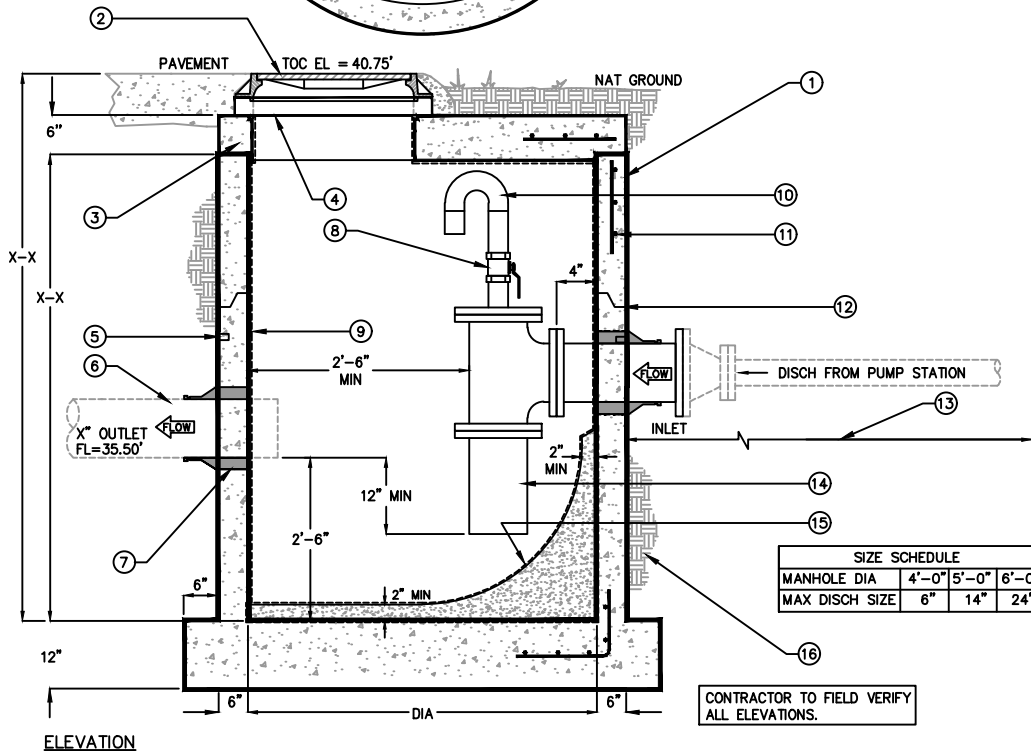


NOTES:

1. SEAT MANHOLE FRAME IN SEALANT PER COH STANDARD SPECIFICATION.
2. IF FORCE MAIN HAS BENDS WITHIN 25 FT OF MANHOLE, EXTEND RESTRAINED JOINTS TO 25 FT MINIMUM OF BEND
3. OMIT CEMENT MORTAR WHEN MANHOLE IS LOCATED IN PAVED AREA.
4. MINIMUM REINFORCING IN BASE SHALL BE #5 @ 8" E.W.
5. PRECAST RINGS SHALL BE PROVIDED FOR A COMBINED ADJUSTMENT HEIGHT OF AT LEAST 12". THE TOTAL HEIGHT OF THE ADJUSTMENT RINGS SHALL NOT EXCEED 1'-6".

NOTES TO SPECIFIER:

1. INDICATE SIZE OF FORCE MAIN, INCREASER AND DISCHARGE EITHER ON THIS DETAIL OR ON PLAN AND PROFILE.
2. PROVIDE INVERT ELEVATIONS OR FORCE MAIN AND SEWER CONNECTIONS TO MH, ON THIS DETAIL OR PLAN AND PROFILE.
3. THIS DETAIL IS TO BE USED ONLY WHEN THERE ARE NO INTERSECTING GRAVITY SEWERS.
4. DETAIL MAY BE REVISED TO ORIENT INCOMING FORCE MAIN AT OTHER ANGLES RELATIVE TO GRAVITY SEWER.
5. IF LENGTH OF DISCHARGE DROP BELOW FLANGED TEE FITTING EXCEEDS 7 TIMES DISCHARGE DIAMETER, PROVIDE STAINLESS STEEL OR FRP PIPE SUPPORT.



SIZE SCHEDULE			
MANHOLE DIA	4'-0"	5'-0"	6'-0"
MAX DISCH SIZE	6"	14"	24"

CONTRACTOR TO FIELD VERIFY ALL ELEVATIONS.

KEYED NOTES		
MARK	QTY	DESCRIPTION
1	1	PRECAST CONCRETE VAULT
2	1	32" DIA CAST IRON FRAME & COVER
3	1	PRECAST CONCRETE TOP OR CONE SECTION
4	1	ADJUSTABLE RINGS AS REQUIRED; MOTOR AND SEAL PER CITY STD SPECIFICATIONS
5	1	LIFTING LUGS AS REQ'D
6	1	TYPICAL PIPE BY OTHERS
7	1	RESILIENT CONNECTOR PER ASTM C923
8	1	2" PVC BALL VALVE (TO REMAIN OPEN)
9	1	CORROSION RESISTANT
10	1	2" PVC SCH 80 PIPE 30" MIN LENGTH
11	1	#4 REBAR @ 12 O.C.E.W. (1) MAT FOR TOP SLAB BAR BENDING & PLACEMENT SHALL COMPLY w/ LATEST ACI STANDARDS
12	1	JOINTS SEALED W/ PLASTIC FLEXIBLE GASKET MATERIAL FLANGED OR RESTRAINED
13	1	JOINT MIN 25' FROM MH WALL (BY CONTR)
14	1	FLANGED PVC PIPE W/ 316 SS BOLTS & SUPPORTS
15	1	DISHED CONCRETE FILLET
16	1	FOUNDATION & BACKFILL PER COH SPECIFICATIONS
17	1	NAMEPLATE INDICATING: MFG: PARKUSA 888-611-PARK MODEL: FMH-1 DATE MANUFACTURED

Specifications

- CONCRETE:** DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR, FIRST STAGE OF WALL AND BAFFLE WITH SECTIONAL RISER TO REQUIRED DEPTH. GROSS EMPTY WEIGHT OF APPROXIMATELY 13,300 LBS.
- REINFORCEMENT:** GRADE 60 REINFORCED WITH STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL. STRUCTURAL DESIGN IS BASED ON AASHTO HS-20 LOADING.
- C.I. CASTINGS:** MANHOLE FRAMES, COVERS OR GRATES ARE MANUFACTURED OF GREY CAST IRON CONFORMING TO ASTM A48-76 CLASS 35. MANHOLE SHALL HAVE 24 INCH INSIDE DIAMETER AND BE TRAFFIC DUTY.

Engineering Data

MANHOLE STATION IS STRUCTURALLY AND HYDRAULICALLY ENGINEERED CONFORMING TO UNIFORM PLUMBING CODE AND ASTM C-478.

FIELD EXCAVATION AND PREPARATION SHALL BE COMPLETED PRIOR TO DELIVERY OF THE SEPTIC TANK. USE DIMENSIONAL DATA AS SHOWN.

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FORCE MAIN DISCHARGE MANHOLE W/ CORROSION RESISTANT LINER

PM	PC	DRN	ENG	DWG. NO.	REV.
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DATE	2023				