

METROPOLITAN ST. LOUIS SEWER DISTRICT

STANDARD DETAILS OF SEWER CONSTRUCTION

✓ SHEET	DESCRIPTION
✓ 1	TABLE 1 - PAYLINE WIDTHS OF TRENCH AND PAY-QUANTITIES OF CONCRETE
2	PAYLINE LIMITS FOR EXCAVATION
✓ 3	TYPICAL SILTATION CONTROL DEVICES
✓ 4	PIPE BEDDING CLASS "C" (FOR ALL PIPE EXCEPT REINFORCED CONCRETE PIPE)
✓ 5	PIPE BEDDING CLASS "C" (MODIFIED FOR REINFORCED CONCRETE PIPE)
6	PIPE BEDDING FOR FLEXIBLE PIPE 18" - 48" DIAMETER
7	SPECIAL PIPE BEDDING DETAIL FOR SUBGRADE REPLACEMENT 12" DEPTH OR MORE
8	CONCRETE ENCASMENT
9	CONCRETE CRADLE
10	LINE MANHOLE PIPE SEWERS 8" - 24" DIAMETER
11	TYPICAL LINE MANHOLE ON PIPE SEWER 27" THRU 42" IN DIAMETER
12	MANHOLE ON PIPE SEWER 27" THRU 42" (ALTERNATE)
13	MANHOLE ON CONCRETE PIPE SEWERS 48" THRU 54" DIAMETER
14	MANHOLE ON CONCRETE PIPE 48" THRU 54" (ALTERNATE)
15	TYPICAL MANHOLE BASE REINFORCED CONCRETE PIPE SEWERS 60" AND LARGER IN DIAMETER
16	OUTSIDE FOULWATER DROP MANHOLE
17	OUTSIDE FOULWATER DROP MANHOLE (ALTERNATE)
18	NEW INSIDE DROP ON EXISTING MANHOLE FOR SEWERS 8" - 12"
19	INSIDE FOULWATER DROP MANHOLE (FOR FREE-FALL)
20	TERMINAL MANHOLE
✓ 21	PRECAST CONCRETE MANHOLES
22	PRECAST MANHOLE ON EXISTING PIPE WITH CONTINUOUS FLOW ONLY
✓ 23	ADJUST TO GRADE
✓ 24	TYPICAL PRECAST MANHOLE TEE FOR REINFORCED CONCRETE PIPE SEWERS 48" AND LARGE IN DIAMETER
25	UNTRAPPED STREET INLET BRICK CONSTRUCTION
26	TRAPPED STREET INLET BRICK CONSTRUCTION
27	MULTIPLE STREET INLET BRICK CONSTRUCTION
28	DOUBLE UNTRAPPED STREET INLET BRICK CONSTRUCTION
29	AREA INLET OPEN 4 SIDES BRICK CONSTRUCTION
✓ 30	AREA INLET MANHOLE (12" THRU 24")
✓ 31	DOUBLE AREA INLET OPEN 4 SIDES BRICK CONSTRUCTION
✓ 32	2 GRATE INLET BRICK CONSTRUCTION
✓ 33	GRATE SEAT FOR 2 GRATE WITH SIDE INTAKE
✓ 34	PRECAST CONCRETE STORMWATER STRUCTURES

✓ SHEET	DESCRIPTION
✓ 35	AREA INLET PRECAST CONCRETE
✓ 36	2 GRATE INLET PRECAST CONCRETE
37	SINGLE STREET INLETS PRECAST CONCRETE
38	DOUBLE UNTRAPPED STREET INLET PRECAST CONCRETE
39	TRAPPED STREET INLET BASE PRECAST CONCRETE
40	PRECAST CONCRETE UNIT FOR SINGLE STREET INLET
✓ 41	PRECAST CONCRETE UNIT FOR 4 WAY AREA INLET
42	CONCRETE DOUBLE STREET INLET WITH PRECAST CONCRETE UNIT "A"
43	PRECAST CONCRETE UNIT "A" FOR STREET DOUBLE INLET
44	PRECAST CONCRETE UNIT "B" FOR STREET DOUBLE INLET
45	STANDARD - INLET STONES, BLOCKS, & DESIGN DETAILS
46	HEAVY DUTY 8" INLET STONE (ALTERNATE)
47	PRECAST CONCRETE INLET COVER
✓ 48	DETAILS OF INLET FRAME AND GRATES
✓ 49	DETAIL OF STEEL GRATE
✓ 50	STEEL REQUIREMENTS FOR GRATE INLET SEAT
✓ 51	CAST IRON SIDE INTAKE UNIT FOR GRATED INLETS 249 LBS.
✓ 52	CAST IRON MANHOLE FRAME
✓ 53	CAST IRON COVERS MANHOLES AND INLETS
54	CAST IRON MANHOLE COVERS (LOCK TYPE)
55	LOCKING DEVICE FOR TYPE "T" LOCK TYPE MANHOLE COVER
56	LOCKING DEVICE FOR TYPE "N" LOCK TYPE MANHOLE COVER
57	PS1-B MANHOLE STEP INTO JOINT
✓ 58	MANHOLE STEP FOR PRECAST AND CAST-IN-PLACE MANHOLE
59	GUTTER SUMPS FOR VERTICAL CURB
60	GUTTER SUMP FOR LIP CURB
✓ 61	FLARED END SECTION
62	STORMWATER CHANNELS
63	HOUSE CONNECTION TO EXISTING TEE OR WYE
64	MACHINE TAP
65	HOUSE CONNECTIONS ALLOWED BY TEE SADDLE
66	8" (& LARGER) CONNECTION TO PLASTIC MAIN
67	"ROLL-IN" (FOR EXISTING CLAY OR CONCRETE PIPE)
68	CONNECTIONS TO LARGE SEWERS
✓ 69	SAMPLING TEE
70	SIGNS
71	FORCE MAIN CLEANOUT (6" DIAMETER & SMALLER)

NOTES:

PLANS FOR THIS PROJECT WERE DEVELOPED USING DRAWINGS FROM THIS INDEX.

CONTRACTORS ARE REQUIRED TO OBTAIN THE LATEST VERSION OF DETAILS FROM METROPOLITAN ST. LOUIS SEWER DISTRICT PRIOR TO CONSTRUCTION.

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VOLZ



ASSUMPTION
 of Blessed Virgin Mary Church
 O'FAHON, MISSOURI

CONSTRUCTION DETAILS

Base Map No. XX-XX
 Design By: J.A.F.
 Drawn By: J.R.S.
 P • XXXXX-XX
 Checked By: W.G.K.
 7004

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