

NOTE: FOR 18" DROP PIPE ONLY.

SECTION A-A SECTION B-B SECTION C-C

DETAIL "A"

INSIDE FOULWATER DROP MANHOLE METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. P.C.W.	1992	SHEET 15
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NOTE: BRICK MASONRY TO BE PLASTERED WITH 1/2" THICK PORTLAND CEMENT MORTAR 1:3:6.

INSIDE FOULWATER DROP MANHOLE (FOR FREE-FALL) METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. W.S.H.	1992	SHEET 16
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CLASS "A" CONCRETE ENCASUREMENT

NOTES:

1. WHEN A CONNECTION IS ALLOWED LARGER THAN 4" DIAMETER A SADDLE MAY BE USED IF THE I.D. OF THE CONNECTION PIPE IS NOT GREATER THAN ONE-HALF (1/2) OF THE I.D. OF THE MAIN SEWER (EXAMPLE: 12" x 18").

2. IF THE I.D. OF THE CONNECTION PIPE IS GREATER THAN ONE-HALF (1/2) OF THE I.D. OF THE MAIN SEWER THE PIPE OR TEE MUST BE "ROLLED IN".

3. THIS IS ACCOMPLISHED BY BREAKING AWAY AND REMOVING ONE SECTION OF PIPE THE TOP HALF OF THE BELL OF THE PIPE IS ADJUSTED TO THE CAP & CAREFULLY BROKEN OFF THE TOP HALF OF THE BELL IN THE MAIN REPLACEMENT SECTION WITH A "TEE" SHEET PILING IS ALSO BROKEN OFF THE REPLACEMENT PIPE IS THEN PLACED IN THE LINE CAP WITH THE STUB POINTED IN THE WRONG DIRECTION THE BROKEN BELLS IN THE REPLACEMENT AND ORIGINAL PIPE MAKE POSSIBLE FOR THE REPLACEMENT SECTION TO FIT INTO THE SEWER LINE WITHOUT DISTURBING THE EXISTING PIPE SECTIONS THE REPLACEMENT SECTION IS THEN RELATED TO THE DESIRED POSITION AND THE BROKEN BELLS ARE ENCASED WITH A "B" CLASS "A" CONCRETE ENCASUREMENT.

"ROLL-IN" (FOR EXISTING CLAY OR CONCRETE PIPE) METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. D.A.B.	1992	SHEET 53
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PRE-CAST CONCRETE MANHOLE FOR SEWERS 8" THROUGH 18" METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. W.S.H.	1992	SHEET 18
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HOUSE CONNECTION TO EXISTING TEE OR WYE METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. P.C.W.	1992	SHEET 59
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MACHINE TAP METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. W.S.H.	1992	SHEET 60
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HOUSE CONNECTIONS ALLOWED BY TEE SADDLE METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. D.A.B.	1992	SHEET 61
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8" (& LARGER) CONNECTION TO PLASTIC MAIN METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. D.A.B.	1992	SHEET 62
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TERMINAL MANHOLE METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. W.S.H.	1992	SHEET 17
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CONNECTIONS TO LARGE SEWERS METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. W.S.H.	1992	SHEET 64
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FORCE MAIN CLEANOUT (6" DIA. & SMALLER) METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. P.C.W.	1992	SHEET 65
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CAST IRON MANHOLE FRAME METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. D.A.B.	1992	SHEET 48
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SECTION A-A SECTION B-B SECTION C-C

DETAIL "A"

PLAN OF SLOTTED-TYPE COVER PLAN OF CLOSED-TYPE COVER

CAST IRON COVERS MANHOLES AND INLETS METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. P.C.W.	1992	SHEET 49
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SECTION A-A SECTION B-B

DETAIL "A"

CAST IRON MANHOLE COVERS (LOCK TYPE) METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. W.S.H.	1992	SHEET 50
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LOCKING DEVICE FOR TYPE "T" LOCK TYPE MANHOLE COVER METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. P.C.W.	1992	SHEET 51
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LOCKING DEVICE FOR TYPE "N" LOCK TYPE MANHOLE COVER METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. J.L.D.	1992	SHEET 52
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SECTION A-A SECTION B-B

DETAIL "A"

MANHOLE STEP FOR PRECAST MANHOLE METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. W.S.H.	1992	SHEET 53
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SECTION A-A SECTION B-B

DETAIL "A"

MANHOLE STEP FOR PRECAST MANHOLE METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction

Dr. D.A.B.	1992	SHEET 54
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