

TERMINAL CONNECTIONS

GENERAL NOTES:

1. All 4" PVC house connections shall be made with 4" PVC pipe. All 4" PVC pipe shall be installed in accordance with the manufacturer's instructions.
2. The contractor shall use the best quality materials and workmanship available.
3. A 1/2" gap between the pipe and the fitting shall be maintained.
4. All 4" house connections shall be installed in accordance with the manufacturer's instructions.
5. All 4" house connections shall be installed in accordance with the manufacturer's instructions.
6. All 4" house connections shall be installed in accordance with the manufacturer's instructions.

MACHINE TAP
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. A. S. 403
April 1978
DETAIL 51

HOUSE CONNECTIONS ALLOWED BY TILE SADDLE

METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. A. S. 404
April 1978
DETAIL 52

8" (LARGER) CONNECTION TO PLASTIC MAIN

METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. A. S. 405
June 1978
DETAIL 53

***ROLL-IN* (FOR EXISTING CLAY OR CONCRETE PIPE)**

METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. A. S. 406
April 1978
DETAIL 54

CONNECTIONS TO LARGE SEWERS

METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. A. S. 407
April 1978
DETAIL 55

FORCE MAIN CLEANOUT

METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. A. S. 408
April 1978
DETAIL 56

TONGUE AND GROOVE CONCRETE PIPE JOINTS

METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. A. S. 409
November 1966
DETAIL 57

CAUTION NEW SEWER CONSTRUCTION

COMMUNITY PROGRESS THROUGH YOUR METROPOLITAN SEWER DISTRICT

METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. A. S. 410
November 1966
DETAIL 58

FLOOR WARPING DETAIL OF EXISTING MANHOLE

1" = 2'-0"

Rip-rap with Dissipator Blocks

This detail to be used with either flared end-sections or C.M.P.

NOTES:

1. Width and length of rip-rap to be set by detail 49.
2. 6" x 6" x 16" solid concrete blocks set in place and projecting 12" above the surface.
3. Min. two blocks first row.

DETAIL 60

2 Grade Inlet Bump detail (standard grate per detail 36)

3 x 4 Grate Bump detail (standard 3 x 4 grate per detail 36)

Profile at trailing edge

Profile at leading edge

DETAIL 61

Typical Reinforced Inlet or Manhole

GENERAL NOTES

1. All concrete to have minimum cement content of 6 sacks per cu. yd.
2. All reinforced steel to be intermediate grade ASTM A-615-72, min. tensile strength 40000 P.S.I.

DETAIL 62

DISCHARGE HEADWALL, FLARED END SECTION & RIP-RAP APRON

NOTE:

To be used at intake and discharge end of pipe, grade of Grouted & Heavy Stone Pavement to be adjusted accordingly.

Roadway Slope

For more than 3'-0" provide detail of reinforced concrete headwall, wingwalls, apron & cutoff wall

DETAIL 62-A

TYPICAL STANDARD BASEMENT

TYPICAL WALK-OUT

TYPICAL STANDARD BASEMENT (MODIFIED)

NOTE: WINDOWS TYPICALLY LOCATED ON SIDE OF BUILDING

FRONT VIEW OF GUTTER SUMP

VERTICAL CURB

SECTION A-A

PLAN VIEW OF GUTTER SUMP

VERTICAL CURB

FRONT VIEW OF GUTTER SUMP FOR MULTIPLE UNIT

VERTICAL CURB

SECTION B-B

PLAN VIEW OF GUTTER SUMP FOR MULTIPLE UNIT

VERTICAL CURB

ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI
SEWER CONSTRUCTION DETAILS
STREET INLET SUMPS
APPROVED: *[Signature]*
DIRECTOR
DATE: *[Date]*