NOTES:

1. Grouting of manhole structure annular space will be permitted in cases where insufficient work space exists for placement and compaction of cement stabilized sand, per CM Standard Specification for Tunnel Grout.

2. This detail also applies to backfill of shafts without structures.

3. Arrange pipe joints as shown when using rigid connection to cast in place manhole base.

TYPICAL CROSS-SECTION

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION

SANITARY SEWER
BACKFILL OF SHAFTS

(Not to Scale)

APPROVED BY:

[Signature]
CITY ENGINEER

APPROVED BY:

[Signature]
DIRECTOR OF PUBLIC WORKS AND ENGINEERING

EFF DATE: OCT-01-2002

DWG NO: 02317-08