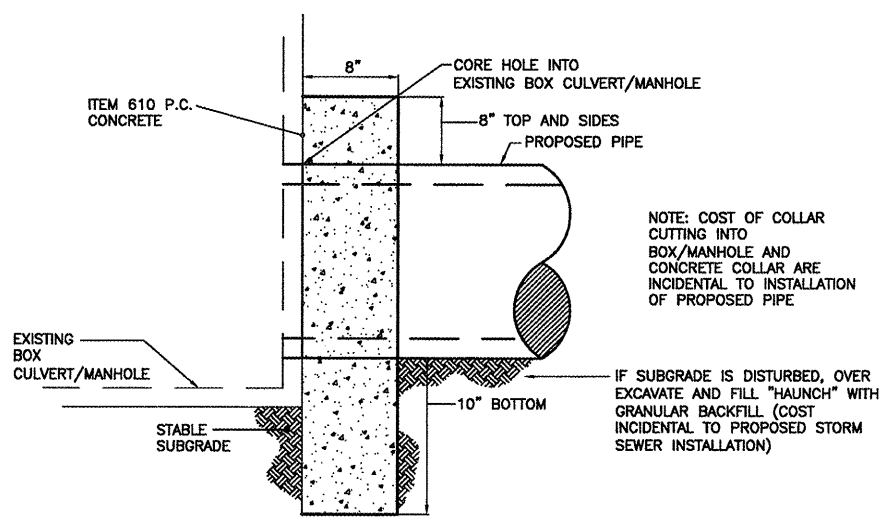
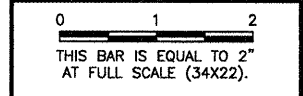


REVISIONS		
NUMBER	BY	DATE



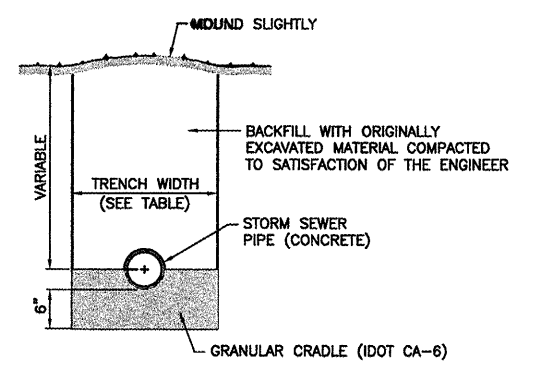
CONCRETE COLLAR - STORM SEWER
 NOT TO SCALE

NOTE: IF EXISTING STRUCTURE THAT IS BEING CORED INTO HAS A BENCH THE CONTRACTOR MUST CUT NEW FLOWLINE. (COST INCIDENTAL TO PROPOSED STORM SEWER INSTALLATION).

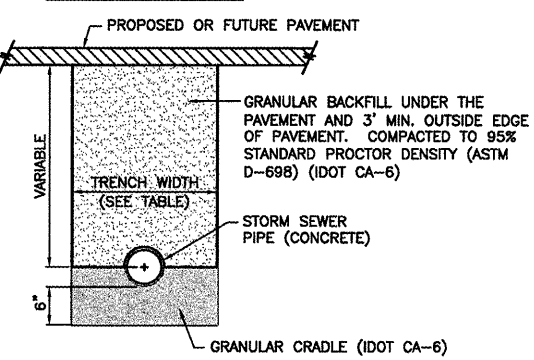
NOTE: COST OF COLLAR CUTTING INTO BOX/MANHOLE AND CONCRETE COLLAR ARE INCIDENTAL TO INSTALLATION OF PROPOSED PIPE

IF SUBGRADE IS DISTURBED, OVER EXCAVATE AND FILL "HAUNCH" WITH GRANULAR BACKFILL (COST INCIDENTAL TO PROPOSED STORM SEWER INSTALLATION)

INSIDE DIAMETER OF STORM SEWER (INCHES)	MAXIMUM TRENCH WIDTH
6	3'-7"
8	3'-9"
12	4'-2"
15	4'-6"
18	4'-9"
21	5'-0"
24	5'-4"
27	5'-7"
30	5'-11"
36	6'-6"
42	7'-1"

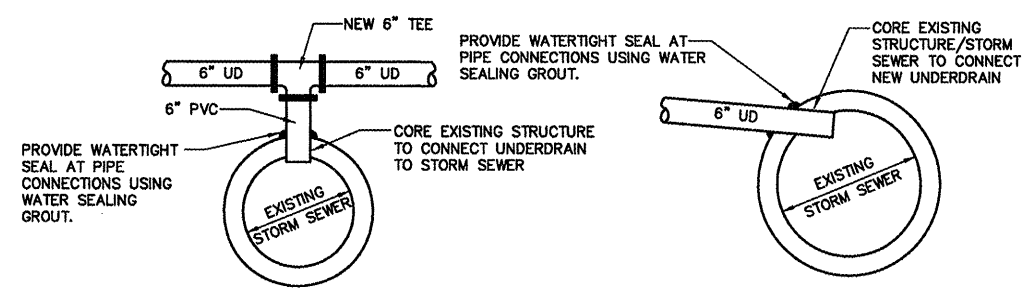


NON-PAVED AREAS



PAVED AREAS

TRENCH DETAILS - STORM SEWER AND WATERMAIN
 N.T.S.



UNDERDRAIN CONNECTION DETAILS
 N.T.S.

NOTE: UNDERDRAIN CONNECTIONS AND FITTINGS, TEES AND ELBOWS USED FOR CONNECTIONS TO NEW STRUCTURES / EXISTING STORM SEWERS SHALL BE CONSIDERED INCIDENTAL TO THE NEW UNDERDRAIN.

DUPAGE AIRPORT
WEST CHICAGO, ILLINOIS
SOUTH FLIGHT CENTER APRON - PHASE 4

STORM SEWER DETAILS

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DESIGN BY:	CAL/JRL
DRAWN BY:	JRO
CHECKED BY:	MJS / DKP
APPROVED BY:	MJS
DATE:	01/30/09
JOB No:	04257-04-00-00
A.I.P. PROJECT:	3-17-0017-B18
ILLINOIS PROJECT:	DPA-3391
SHEET	18 OF 31 SHEETS