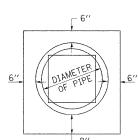
#### **DETAILS OF CONCRETE COLLAR**

# REMOVE PORTION OF EXIST HEADWALL DOWN TO 12" BELOW FINISHED GRADE. EXISTING-BOX CULVERT

SIDE VIEW



END VIEW

#### **TABULATION**

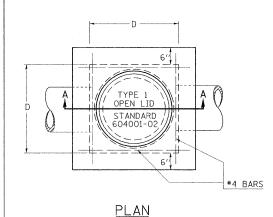
DIAMETER OF PIPE	CL SI CONC CU YDS EST
12"	0.16
15"	0.19
18"	0.21
24"	0.29
30''	0.37
36′′	0.44
42"	0.53
48′′	0.62
54"	0.71
60''	0.81
72''	1.03

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR **CONCRETE COLLAR,** AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS OF THE EXISTING HEADWALLS AS MAY BE REQUIRED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

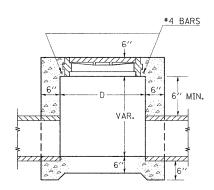
## **DETAILS OF MANHOLES, SPECIAL, TYPE 1**

DESIGNS A THRU G



# TABLE OF DIMENSIONS

DESIGN	PIPE DIAM.	D
Α	18"&LESS	2' 6"
В	21''&24''	3′ 0′′
С	27"&30"	3′ 7′′
D	33"&36"	4' 2''
E	42''	4′ 9′′
F	48′′	5′ 4′′
G	54''	5′ 11′′

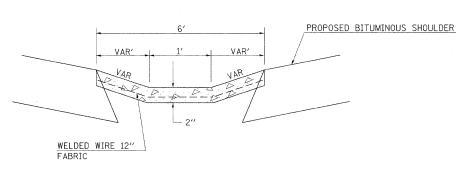


SECTION A-A

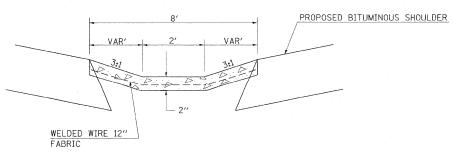
#### NOTE:

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. MANHOLES SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR MANHOLE, SPECIAL, TYPE 1 WHICH PRICE SHALL INCLUDE CAST IRON FRAME, SPECIAL, TYPE 1, WITH TYPE 1 OPEN LID, AND REINFORCEMENT BARS.

### **PAVED DITCH SPECIAL**

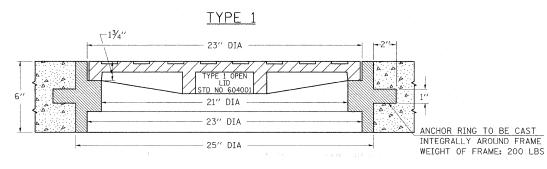


TO BE USED STA 772+26 TO 774+67 (IL 13WB)



TO BE USED STA 780+38 TO 781+22 (IL 13WB)

# **DETAILS OF CAST IRON FRAME SPECIAL TYPE 1** WITH TYPE 1 OPEN LID



THE FRAMES MAY BE MADE OF EITHER GRAY IRON CONFORMING TO THE STANDARD SPECIFICATIONS OR DUCTILE IRON CONFORMING TO THE SPECIFICATIONS FOR DUCTILE IRON CASTING, A.S.T.M. DESIGNATION: A536, GRADE 60-45-10.

WEIGHT OF FRAME: 90 LBS

USER NAME = russellof DESIGNED REVISED .78053\_sht\_details.dgn DRAWN REVISED CHECKED REVISED PLOT SCALE = 50.00 '/ IN PLOT DATE = 5/5/2009 DATE REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

**DETAIL: CONCRETE COLLAR, MANHOLE SPECIAL TYPE 1** PAVED DITCH SPECIAL, CAST IRON FRAME SPECIAL TYPE 1 WITH OPEN LID SHEET NO. OF SHEETS STA.

SECTION COUNTY WILLIAMSON 190 101 CONTRACT NO. 78053