

Bar	Reinforcement Bars	No.	Size	Length
a	7	1/2	6'-0"	
b	7	1/2	8'-0"	
c	7	1/2	2'-0"	
d	12	1/2	5'-0"	
Paint Bars Lbs. 150				

NOTES -
MATERIALS - Class "A" & Class "X" Concrete to be used throughout.
METHOD OF CONSTRUCTION - See Plan and Profile Sheets for location of Lateral Sewer connection and elevation of manhole at Semi-Elliptical Sewer. This work shall comply with Art 52 & 53 of the Standard Specifications for Road and Bridge Construction as amended to date. Details of Lateral Sewer opening to be built into manhole section. The Lateral Sewer Pipe Section of connection may be precast or cast in concrete. Detail indicates right hand connection. For left hand connection detail is opposite hand. The 24" pipe shall be Reinforced Concrete Culvert Pipe Class III as specified in Article 122.3 of the Specifications.
BILL OF MATERIAL - The Contract Unit Price shall include furnishing and placing of all materials required, including the Type I Form and L.S. 1 - 1/2" Thick Sheet Pile Material, 24" Reinforced Concrete Culvert Pipe, T Connections, Brick Subroads, and shall be paid for as each Lateral Sewer Connection.

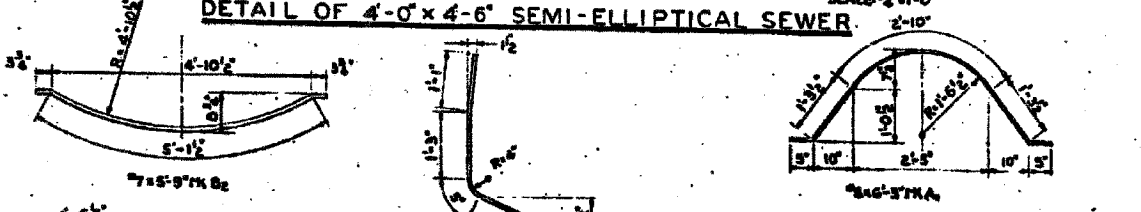
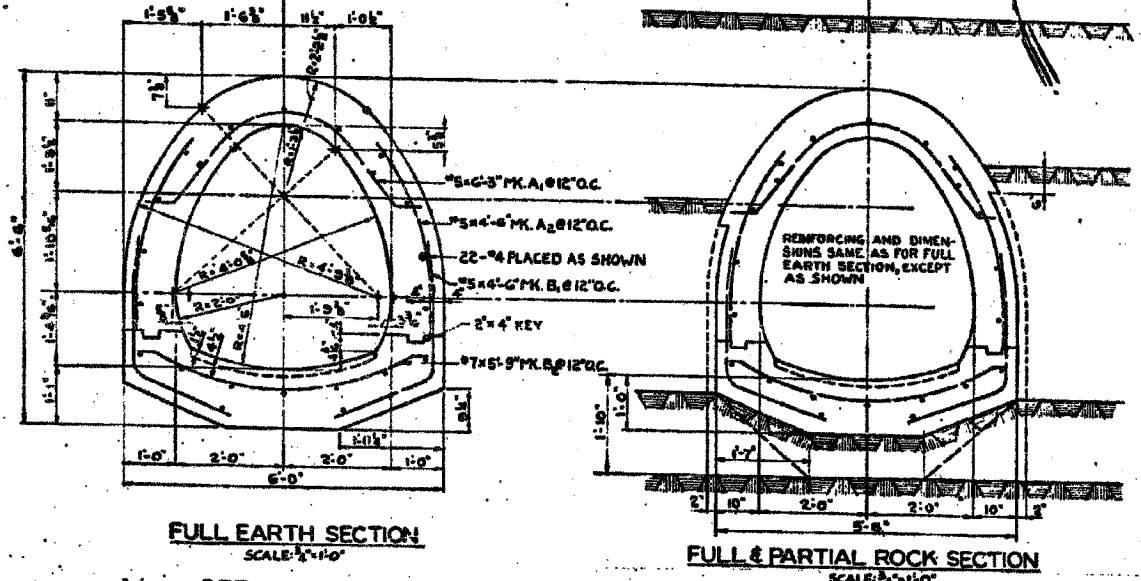
Class "A" Concrete	CuYds. 1
Class "X" Concrete	CuYds. 8
Reinforcement Bars	Lbs. 150

COUNTY OF COOK
 DEPARTMENT OF HIGHWAYS
 LATERAL SEWER CONNECTION
 DRAWN BY: J.R.W.
 CHECKED BY: E.L.

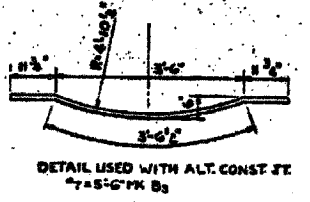
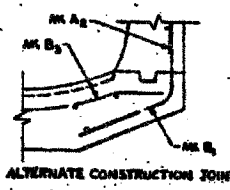
The items in the Bill of Material are listed for the Contractor's convenience in estimating the price bid per Each Lateral Sewer Connection. Any variance in quantities shall in no way affect the Lump Sum Bid as awarded.

WHEN THE SURFACE OF SOLID ROCK OCCURS LESS THAN 1'-10" BELOW THE INVERT GRADE, THE CONCRETE SHALL BE CARRIED DOWN TO SOLID ROCK. THE COST OF THIS ADDITIONAL EXCAVATION & CONCRETE SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR LINEAL FOOT OF 4'-0" x 4'-6" SEMI-ELLIPTICAL SEWER.

WHEN THE SURFACE OF SOLID ROCK OCCURS LESS THAN 1'-10" BELOW THE INVERT GRADE, THE CONCRETE SHALL BE CARRIED DOWN TO SOLID ROCK. THE COST OF THIS ADDITIONAL EXCAVATION & CONCRETE SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR LINEAL FOOT OF 4'-0" x 4'-6" SEMI-ELLIPTICAL SEWER.



MATERIALS:
 CLASS "A" CONCRETE SHALL BE USED THROUGHOUT.
METHOD OF CONSTRUCTION:
 SEE PLAN & PROFILE SHEET NO. FOR LOCATION, ELEVATIONS AND GRADES FOR SEWER. TRANSVERSE AND LONGITUDINAL REINFORCING SHALL BE CONTINUOUS. THIS WORK SHALL COMPLY WITH SECTION 52, 53 & 54 OF THE STANDARD AND SUPPLEMENTAL SPECIFICATIONS. MINIMUM STEEL CLEARANCE SHALL BE 1" EXCEPT AS NOTED. MINIMUM LAP OF REINFORCEMENT BARS SHALL BE 32 DIAMETERS.
NOTE OF PAYMENT:
 THIS WORK SHALL BE PAID FOR AT THE UNIT PRICE BID PER L.F. OF 4'-0" x 4'-6" SEMI-ELLIPTICAL SEWER, WHICH PRICE SHALL INCLUDE ALL MATERIALS, INCLUDING EXCAVATION, DISTURBANCE OF SURPLUS MATERIALS, ALL TOOLS AND EQUIPMENT NECESSARY TO COMPLETE THIS WORK AS OUTLINED IN THE PLAN.



COUNTY OF COOK
 DEPARTMENT OF HIGHWAYS
 LATERAL SEWER CONNECTION AND
 4'-0" x 4'-6" SEMI-ELLIPTICAL SEWER
 COMPUTER: J.R.W. APPROVED: E.L.
 DRAWN: J.R.W. CHECKED: E.L.
 DE LEUW, CATHAR & COMPANY, INC.
 1000 N. LAKE STREET, CHICAGO, ILL. 60611

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 JUNCTION CHAMBER 4-01
 DETAIL 5
 SCALE: DATE: 7/7/05
 DRAWN BY: J.R.W.
 CHECKED BY: E.L.

FOR INFORMATION ONLY

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 CHICAGO, IL 60606
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