F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	413
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62300 *(1818, ETC, 2324.6-1P)R-8

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GENERAL NOTES

CONTRACTOR AND SUB-CONTRACTORS ARE WARNED THAT NO SEWER CARRYING LIVE SEWAGE MAY BE DESTROYED OR INTERRUPTED IN ANYWAY UNTIL PROVISION IS MADE FOR ITS FLOW ACCEPTABLE TO THE BUREAU OF SEWERS, CITY OF CHICAGO.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, OR CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH THE SEWERS ARE BUILT AND IN SERVICE AND ACCEPTED BY THE BUREAU OF SEWERS. THE WORK SHALL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

IF THE PLACEMENT OF MANHOLES OR CONNECTIONS NECESSITATE REMOVING ANY TREES, TEMPORARY REMOVAL AND REPLACEMENT OF ANY LIGHT POSTS, OR REROUTING OF EXISTING UTILITIES, THE WORK WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR MANHOLES, OR CONNECTIONS.

THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES AND SHALL USE EVERY PRECAUTION NECESSARY TO PREVENT DAMAGE AND INJURY THERETO. THE COST OF THIS WORK WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

ALL WORK INVOLVING A PRIVATE UTILITY WILL BE PERFORMED BY THE UTILITY INVOLVED. WORK INVOLVING THE CITY OF CHICAGO, BUREAU OF WATER WILL BE PERFORMED BY BUREAU FORCES. COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE BOARD OF UNDERGROUND UTILITIES MEETING AND AT A PRE-CONSTRUCTION CONFERENCE.

INVERT ELEVATIONS SHOWN FOR SEWERS ARE FOR THE DOWN STREAM END AT THE INSIDE WALL OF THE STRUCTURE, UNLESS OTHERWISE NOTED.

WHERE THE INVERT ELEVATION OF A SEWER IS NOT SHOWN THE PIPE SHALL BE LAID ON A SLOPE OF 1% (PER CENT)

A DEDUCTION OF 4 FT. OR 5 FT. OF STORM SEWER HAS BEEN MADE AT EACH TYPE A MANHOLE, AND A DEDUCTION OF 6 FT. AND 10 FT. OF SEMI-ELLIPTICAL STORM SEWER HAS BEEN MADE RESPECTIVELY AT EACH TYPE [illegible] OR TYPE [illegible] MANHOLE, AND A DEDUCTION OF 6 FT. HAS BEEN MADE AT EACH TYPE [illegible] MANHOLE AND A DEDUCTION OF CONSTRUCTED LENGTH HAS BEEN MADE AT EACH CONNECTION AND AT EACH TYPE "C" MANHOLE.

LADDER RUNGS SHALL BE INCLUDED IN ALL MANHOLES.

MAIN DRAIN SEWER NOTES

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE FOR ROCK EXCAVATION FOR ONLY THE ROCK ACTUALLY ENCOUNTERED WITHIN THE AREA ENCOMPASSED BY THE "NEAT LINES" AS SHOWN ON THE DETAIL SHEETS FOR SEMI-ELLIPTICAL CONCRETE SEWER IN TUNNEL. THE QUANTITY AS SHOWN ON THE SUMMARY OF QUANTITIES IS AN ESTIMATED QUANTITY BASED ON ALL AVAILABLE INFORMATION AT THE OFFICE OF THE ILLINOIS DIVISION OF HIGHWAYS.

THE CONTRACTOR WILL NOT BE PERMITTED TO BREAK UP ROCK BY BLASTING BETWEEN STATIONS [illegible] TO [illegible]. ROCK SHALL BE BROKEN BY MECHANICAL MEANS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY BRACES, SHORING AND SUPPORTS TO MAINTAIN EXISTING 18"x20" SEMI-ELLIPTICAL SEWER ON GARFIELD BLVD. AT STATION [illegible] ¢ CONSTRUCTION. SEE SPECIAL PROVISIONS.

MAIN DRAIN MANHOLES:

a) SEAL MANHOLE BELOW EXISTING GROUND TO PREVENT FOREIGN MATERIALS FROM ENTERING SEWER.

b) EXCAVATION FROM GRADE TO PROPOSED TOP OF MANHOLE SHALL BE BACKFILLED WITH TRENCH BACKFILL.

c) PLACE 3"x3" WOOD MARKERS ON TOP OF ¢ MANHOLE AND EXTEND 3 FEET ABOVE EXISTING GROUND. THE EXTENDED PORTION OF MARKER IS TO BE PAINTED YELLOW, WITH THE LETTERS M.H. AND THE STATION OF MANHOLE SUPERIMPOSED IN BLACK PAINT.

d) THE COST OF THE 3"x3" WOOD MARKERS, TRENCH BACKFILL AND BACKFILL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR MANHOLE.

FRONTAGE ROAD SEWER NOTES

ALL SEWERS ON CITY STREETS AND FRONTAGE ROADS, 27" DIAMETER AND SMALLER SHALL BE OF VITRIFIED CLAY PIPE, CONFORMING TO A.S.T.M. DESIGNATION [illegible]. ALL SEWERS LARGER THAN 27 INCHES DIAMETER SHALL BE OF REINFORCED CONCRETE IN COMPLIANCE WITH THE STANDARD SPECIFICATIONS.

BULKHEADING OF SEWERS AS CALLED FOR ON THE PLANS WILL BE ACCOMPLISHED AS CALLED FOR IN THE SPECIAL PROVISIONS "PLUGGING EXISTING DRAINS & SEWERS" AND PAYMENT WILL BE MADE FOR PLUGGING EXISTING DRAINS & SEWERS (12" OR LESS) OR PLUGGING EXISTING DRAINS AND SEWERS (OVER 12").

PROPOSED STUBS FOR FUTURE CONNECTIONS SHALL BE SEALED WITH A STOPPER. THE COST OF THE STOPPER WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION SHALL BE ALLOWED.

TYPE "A" CATCH BASINS SHALL HAVE [illegible]. [illegible] TRAPS ON TYPE "A" CATCH BASINS.

CONNECTION OF SEWERS TO EXISTING MANHOLES AS SHOWN ON THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.

"Y" CONNECTION FITTINGS SHALL BE INSTALLED IN PROPOSED SEWER LINES TO CONNECT EACH DOMESTIC AND INDUSTRIAL DRAINS AND STREET SEWERS THAT ARE ENCOUNTERED WITHIN THE CONSTRUCTION LIMITS OF THIS IMPROVEMENT. FURNISHING THE "Y" CONNECTION FITTING SHALL BE INCIDENTAL TO THE WORK AND PAYMENT SHALL BE INCLUDED IN THE PRICE PER LINEAL FOOT OF THE SEWERS.

WHEN A CONNECTION IS MADE TO AN EXISTING SEWER 27 INCHES OR LESS IN DIAMETER A LENGTH OF EXISTING PIPE SHALL BE REMOVED AND REPLACED WITH A "Y" CONNECTION FITTING. THE REMOVAL OF EXISTING PIPE AND FURNISHING THE "Y" CONNECTION FITTING SHALL BE INCIDENTAL TO THE WORK AND PAYMENT SHALL BE INCLUDED IN THE PRICE PER LINEAL FOOT OF THE SEWERS.

(CONTINUED)

REMOVAL & REPLACEMENT OF EXISTING PAVEMENT SHALL BE REQUIRED WHEN REMOVED DUE TO PROPOSED SEWER CONSTRUCTION, AND SUBSEQUENTLY SUBJECT TO TRAFFIC, WILL BE PAID FOR RESPECTIVELY AS PAVEMENT REPLACEMENT-ENTIRE OR PAVEMENT REMOVAL AND REPLACEMENT, SPECIAL (10")

REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK SHALL BE REQUIRED WHEN REMOVED DUE TO PROPOSED SEWER CONSTRUCTION, AND SUBSEQUENTLY SUBJECT TO TRAFFIC, WILL BE PAID FOR RESPECTIVELY AS:

a) SIDEWALK REMOVAL AND
b) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AT LOCATIONS SHOWN ON PLANS WHERE SIDEWALK WILL BE REMOVED ON SUBSEQUENT CONTRACTS.
OR c) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AT LOCATIONS SHOWN ON PLANS.

REMOVAL AND REPLACEMENT OF EXISTING CURBS OR CURB & GUTTER SHALL BE REQUIRED WHEN REMOVED DUE TO PROPOSED SEWER CONSTRUCTION, AND SUBSEQUENTLY SUBJECT TO TRAFFIC WILL BE PAID FOR RESPECTIVELY AS:

a) CURB REMOVAL AND
b) CONCRETE CURB TYPE B AT LOCATIONS SHOWN ON PLANS WHERE CURBS WILL BE REMOVED ON SUBSEQUENT CONTRACTS
OR c) COMBINATION CONCRETE CURB AND GUTTER TYPE B AT LOCATIONS SHOWN ON PLANS

Two (2) Standard 2154-B signs shall be erected at locations as directed by the Engineer.

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ILLINOIS DIVISION OF HIGHWAYS
SOUTH EXPRESSWAY
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
JUNCTION CHAMBERS
EXISTING DROP MANHOLE PLANS

SCALE: NTS
DRAWN BY: BDC
DATE: 07/07/05
CHECKED BY: BLU

6/24/2005 9:40:20 AM

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