

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	00-00173-00-FF	COOK	246	3
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

GENERAL NOTES

CITY COORDINATION:

THE CONTRACTOR SHALL NOTIFY THE CITY OF EVANSTON ENGINEER (847) 866-2966, AND THE VILLAGE OF WILMETTE ENGINEER (847) 853-7660 AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. SPECIAL ATTENTION IS CALLED TO SECTION 105 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION. THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE PARKWAYS SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL NOTIFY EACH MUNICIPALITY'S PUBLIC WORKS DEPARTMENT 48 HOURS PRIOR TO ANY WORK IN ORDER TO OBTAIN VILLAGE AND CITY UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO CONTACT EACH MUNICIPALITY'S PUBLIC WORKS DEPARTMENT UTILITY DIVISION FOR ALL WATER MAIN SHUTOFFS. UNDER NO CONDITION SHALL THE CONTRACTOR OPERATE ANY VALVES OR HYDRANTS WITHIN THE PROJECT AREA.

PUBLIC OR PRIVATE UTILITIES:

THE LOCATION AND ELEVATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE MUNICIPALITIES DO NOT GUARANTEE ITS ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATIONS OF SUCH FACILITIES SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 105.07 OF THE STANDARD SPECIFICATIONS. THEIR FACILITIES MAY BE REQUIRED TO BE ADJUSTED OR RELOCATED.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF PUBLIC OR PRIVATE PROPERTY, AND SHALL RESTORE SUCH PROPERTY AT HIS OWN EXPENSE. COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT A PRE-CONSTRUCTION CONFERENCE. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

WHENEVER THE CONTRACTOR ENCOUNTERS FACILITIES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENTS DURING TRENCHING OPERATION, HE WILL BE REQUIRED TO HAND TRENCH IN THAT AREA IN ORDER NOT TO DAMAGE THE FACILITIES. THIS WORK WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

DISPOSAL OF MATERIALS:

THE CONTRACTOR WILL BE REQUIRED TO DISPOSE OF ALL SIDEWALK, CURB AND GUTTER, PAVEMENT, AND ALL OTHER MATERIAL EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS, AT HIS EXPENSE. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE ON THE DAY IT IS EXCAVATED. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING MATERIAL TO LOCATIONS, PROVIDED BY THE CONTRACTOR, OUTSIDE THE LIMITS OF THE IMPROVEMENT.

EXISTING DRAINAGE STRUCTURES:

DURING CONSTRUCTION OPERATIONS, WHENEVER ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED BY THE CONTRACTOR AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

DRAINAGE STRUCTURE ADJUSTMENT AND RECONSTRUCTION:

ONLY PRECAST CONCRETE ADJUSTMENT RINGS WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED.

FRAMES AND GRATES:

FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST. ALL FRAMES, GRATES, LIDS AND BOXES REMOVED FROM EXISTING WATER SERVICE OR SEWER STRUCTURES WHICH ARE TO BE ABANDONED OR ADJUSTED WITH A NEW OR DIFFERENT FRAME AND LID WITHIN THE CITY OF EVANSTON SHALL BECOME THE PROPERTY OF THE CITY OF EVANSTON. ABANDONED FRAMES, GRATES, LIDS AND BOXES ARE NOT TO BE RETURNED TO THE VILLAGE OF WILMETTE, THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL. ANY OF THESE ITEMS WHICH ARE DAMAGED OR BROKEN DURING HANDLING SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR SALVAGING THESE EXISTING FRAMES, GRATES, LIDS, OR BOXES, STOCKPILING THEM ON THE JOB SITE, AND DELIVERING THEM TO THE MAINTENANCE FACILITY OF THE CITY OF EVANSTON. THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY 24 HOURS PRIOR TO DELIVERY.

TYPE I FRAME, CLOSED LID:

A QUANTITY OF 10 TYPE I FRAMES WITH OPEN LIDS AND 10 TYPE I FRAMES WITH CLOSED LIDS HAVE BEEN INCLUDED TO REPLACE FRAMES AND LIDS WHICH ARE BROKEN OR BREAK DURING MILLING OPERATIONS. SEE SPECIFICATIONS FOR SPECIFIC FRAME AND LID REQUIREMENTS FOR EACH MUNICIPALITY. ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY STORM SEWER MANHOLE SHALL HAVE THE WORD "STORM" CAST INTO THE LID. ALL WATER MANHOLES FURNISHED AS A PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION SHALL HAVE THE WORD "WATER" CAST INTO THE LID AND ALL SANITARY MANHOLES FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION SHALL HAVE THE WORD "SANITARY" CAST INTO THE LID. ALL EXISTING COMBINED SEWER MANHOLES TO BE ADJUSTED SHALL HAVE THE WORD "COMBINED" CAST INTO THE LID.

TRAFFIC CONTROL:

THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS AT THE DIRECTION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES. EVERY SIGN REMOVED MUST BE RE-ERECTED TO A TEMPORARY LOCATION IN AN APPROVED MANNER AND BE VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE PROJECT. ALL SIGNS SHALL BE RE-ERECTED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. HORIZONTAL LOCATION FROM THE EDGE OF PAVEMENT SHALL BE AS DESIGNATED BY THE ENGINEER. ALL UNUSED SIGNS WILL BE RETURNED TO THE AGENCY HAVING JURISDICTION.

CURB & GUTTER:

AN EXPANSION JOINT SHALL BE PLACED A MINIMUM OF THREE (3) FEET ON EITHER SIDE OF ADJACENT TREES. THE CURB GAP SHALL BE HAND FORMED IN ORDER TO PROTECT THE TREE ROOT SYSTEM. THIS WORK SHALL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

BARRICADES:

THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SAND BAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MIN. OF FOUR (4) SANDBAGS PER BARRICADE.

TOP OF CURB ELEVATIONS:

BEFORE SETTING THE TOP OF CURB ELEVATIONS, THE ENGINEER SHALL CHECK THE EXISTING ELEVATIONS AT THE PROPERTY LINE AND IF NECESSARY, REQUIRE THE CONTRACTOR TO VARY THE CURB EXPOSURE AND / OR GUTTER ELEVATIONS IN ORDER TO MORE CLOSELY FOLLOW THE PROPERTY LINE GRADES OR MATCH INTO TREE BASES.

SAW CUTS:

ALL SAW CUTS REQUIRED DUE TO CONSTRUCTION STAGING SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL. ALL SAW CUTS REQUIRED FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THAT ITEM.

DRIVEWAYS:

LOCAL ACCESS FOR RESIDENTS AND BUSINESS SHALL BE MAINTAINED AT ALL TIMES.

SIDEWALKS:

ADJACENT PAVEMENT OR SIDEWALK DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR. THE COST FOR THIS WORK SHALL BE INCLUDED IN THIS CONTRACT. ANY SIDEWALKS PLACED THROUGH DRIVEWAYS SHALL BE THE SAME THICKNESS AS THE DRIVEWAYS. THIS ADDITIONAL THICKNESS SHALL BE INCIDENTAL TO P.C. CONCRETE SIDEWALK, 5". SUB-BASE GRANULAR MATERIAL, TYPE B, 4" SHALL BE CONSTRUCTED BENEATH ALL PROPOSED SIDEWALK. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR P.C. CONCRETE SIDEWALK, 5".

WATER:

THE CONTRACTOR MUST OBTAIN A FIRE HYDRANT PERMIT FROM THE CITY/VILLAGE IN ORDER TO OBTAIN ACCESS TO MUNICIPAL WATER. THE CONTRACTOR WILL BE REQUIRED TO SUPPLY THEIR OWN RPZ BACKFLOW PREVENTOR WHEN ACCESSING MUNICIPAL WATER.

FOR THE CITY OF EVANSTON, THE CONTRACTOR SHALL NOTIFY THE DISTRIBUTION & SEWER CHIEF TOM JACKSON AT (847) 866-2945 48 HOURS PRIOR TO ANY FIRE HYDRANT OR WATER MAIN WORK. FOR THE VILLAGE OF WILMETTE, THE CONTRACTOR SHALL NOTIFY THE UTILITY SUPERVISOR BRAD ENRIGHT AT (847) 853-7588 48 HOURS PRIOR TO ANY FIRE HYDRANT OR WATER MAIN WORK.

MWRD NOTES:

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
2. THE ELEVATION DATUM IS USGS.
3. THERE ARE NO FLOOR DRAINS ON THIS PROJECT.
4. THERE ARE NO FOOTING DRAINS OR DOWNSPOUTS ON THIS PROJECT.
5. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO:

PIPE MATERIAL SPEC. JOINT SPEC.

<u>VITRIFIED CLAY PIPE</u>	
VCP C-700	C-425
VCP (NO BEL) C-700	
JOINT	C-425
COLLAR	D-1784
<u>CONCRETE PIPE C-14</u>	
RCP C-76	C-443
ACP C-428	C-443
D-1869	
<u>ABS SEWER PIPE</u>	
SOLID WALL 6" DIA. SDR 23.5	
ABS D-2751	D-2751
<u>ABS COMPOSITE/TRUSS PIPE</u>	
8"-15" DIA.	
ABS D-2680	D-2680
<u>PVC GRAVITY SEWER PIPE</u>	
6"-15" DIA. SDR 26	
D-3034	D-3212 OR D-2855
18"-27" DIA. F/DY=46	
F-679	D-3212 OR D-2855
CISP A-74	C-564
DIP A-21.5I	A-21.1I

(NOTE: THE MWRD HAS APPROVED LESS COMMON PIPE MATERIALS ON A QUALIFIED BASIS IN ADDITION TO THOSE ABOVE. PLEASE CONTACT THE DISTRICT IF CONSIDERING USING PIPE NOT LISTED ABOVE.)

6. ALL STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS, REQUIRES STONE BEDDING WITH STONE 1/4 " TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
7. "BAND SEAL" OR SIMILAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR MATERIALS.
8. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED: (SEE DETAIL SHEET 182A)
 1. CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUB-WYE SADDLE OR HUB-TEE SADDLE.
 2. REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
 3. WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.
9. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATER MAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATER MAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATER MAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATER MAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CAN NOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS.
10. ALL STORM MANHOLES IN COMBINED SEWER AREAS, SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
11. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
12. RESILIENT CONNECTORS CONFORMING TO ASTM C-923, SHALL BE USED BETWEEN DRAINAGE AND SANITARY STRUCTURES AND PIPES.

NOTE: BOXED ITEMS ARE INCIDENTAL ITEMS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
SHERIDAN ROAD

DATE 7/13/07
DRAWN BY LTD
CHECKED BY BJL

NO SCALE

PLT DATE = 7/13/07
FILE NAME = C:\Users\jrb\Documents\Projects\83964\Notes\2.dwg
PLT SCALE = 800000 / IN
USER NAME = jrb

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