

F.A.J.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	2
STA	TO STA			
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

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CONTRACT NO. 83773

STATE STANDARDS

STD. NO.	DESCRIPTION
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353001-02	PCC BASE COURSE WITH BITUMINOUS CONCRETE BINDER AND SURFACE COURSES
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GENERAL NOTES

CITY COORDINATION: THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER (847 866-2966), AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. SPECIAL ATTENTION IS CALLED TO ARTICLE 105.07 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 THE CITY OF EVANSTON PUBLIC WORKS DEPARTMENT 48 HOURS PRIOR TO ANY WORK IN ORDER TO OBTAIN CITY UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO CONTACT THE CITY OF EVANSTON 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 OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE CITY DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATIONS OF SUCH OPERATIONS SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS. THEIR FACILITIES MAY BE ADJUSTED OR RELOCATED, IF NECESSARY.

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.

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.

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 SEPARATELY 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 SHALL BECOME THE PROPERTY OF THE MUNICIPALITY DEPENDING ON JURISDICTION. 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 AND STOCKPILING THEM ON THE JOB SITE AND DELIVERING THEM TO THE MAINTENANCE FACILITY OF THE MUNICIPALITY HAVING JURISDICTION. THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY 24 HOURS PRIOR TO DELIVERY.

TYPE 1 FRAME, CLOSED LID: A QUANTITY OF TYPE 1 FRAMES AND CLOSED LIDS HAS BEEN INCLUDED TO REPLACE FRAMES AND LIDS WHICH ARE BROKEN OR BREAK DURING MILLING OPERATIONS. THESE FRAME AND LIDS SHALL BE EAST JORDAN IRON WORKS 1050 FRAME AND 1020 TYPE A EXTRA HEAVY DUTY COVER WITH LARGE (2 1/2" NOMINAL) PICK HOLE OR APPROVED EQUAL. ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY STORM SEWER MANHOLE, CATCH BASIN, AND/OR INLET, SHALL HAVE THE WORD "STORM" CAST INTO THE LID. ALL WATER MANHOLES SHALL HAVE THE WORD "WATER" CAST INTO THE LID AND ALL SANITARY MANHOLES SHALL HAVE THE WORD "SANITARY" CAST INTO THE LID.

TYPE 21 OR TYPE 3 FRAME, OPEN LID: ALL CURB AND GUTTER GRATES SHALL BE EAST JORDAN TYPE 7045 MI SINUSOIDAL GRATES OR APPROVED EQUIVALENT.

TRAFFIC CONTROL: STAGING PROCEDURES PRESENTED ARE THE SUGGESTED SEQUENCE OF OPERATIONS. AT HIS OPTION, THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE STAGING PROPOSAL TO THE ENGINEER FOR HIS APPROVAL. 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 SEPARATELY 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.

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 MINIMUM 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.

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 INCIDENTAL TO THAT ITEM.

DRIVEWAYS: LOCAL ACCESS FOR RESIDENTS AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES AS SHOWN IN THE PLANS.

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. A 4" GRANULAR LEVELING BASE 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.

WATER: THE CONTRACTOR MUST OBTAIN A FIRE HYDRANT PERMIT FROM THE CITY OF EVANSTON IN ORDER TO OBTAIN ACCESS TO CITY WATER. THE CONTRACTOR WILL BE REQUIRED TO SUPPLY THEIR OWN RPZ BACKFLOW PREVENTOR WHEN ACCESSING CITY WATER. THE CONTRACTOR SHALL NOTIFY THE DISTRIBUTION & SEWER CHIEF, TOM JACKSON, 48 HOURS IN ADVANCE OF WHEN THEY WILL DO ANY FIRE HYDRANT OR WATER MAIN WORK AT (847) 866-2945.

MWRD NOTES:

- 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).
- THE ELEVATION DATUM IS USGS.
- THERE ARE NO FLOOR DRAINS ON THIS PROJECT.
- THERE ARE NO FOOTING DRAINS AND DOWNSPOUTS ON THIS PROJECT.
- ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO:

VITRIFIED CLAY PIPE	
VCP C-700	C-425
VCP (NO BEL) C-700	C-425
JOINT	C-425
COLLAR	D-1784
CONCRETE PIPE C-14	
RCP C-76	C-443
ACP C-428	C-443
ACP C-428	D-1869
ABS SEWER PIPE	
SOLID WALL 6" DIA. SDR 23.5	
ABS D-2751	D-2751
ABS COMPOSITE/TRUSS PIPE	
8"-15" DIA.	
ABS D-2680	D-2680
PVC GRAVITY SEWER PIPE	
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-21.51	A-21.11

(NOTE: THE DISTRICT 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.)

- 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.
- "BAND SEAL" OR SIMILAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR MATERIALS.
- 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)
 - 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.
 - REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
 - 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.
- 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.
- 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.

REVISIONS	
NAME	DATE
CEC/PAS	5/23/09

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES AND STATE STANDARDS

MCCORMICK BOULEVARD

NO SCALE

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

GENERAL NOTES SHEET

TRANS SYSTEMS CORPORATION