

GENERAL CONSTRUCTION NOTES PAVING AND STORM SEWERS

SPECIFICATIONS

THE LATEST EDITIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" SHALL GOVERN ALL WORK ASSOCIATED WITH THIS PROJECT. THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY GOVERN OTHER WORK ON THIS PROJECT AS INDICATED BY REFERENCE.

CARE IN EXCAVATION

CARE SHALL BE EXERCISED BY THE CONTRACTOR IN CARRYING OUT EARTH AND/OR TRENCHING OPERATIONS SO THAT LOCAL SERVICES, WATER VALVES, MANHOLES, CATCH BASINS, INLETS, BUFFALO BOXES, AND OTHER STRUCTURES ARE NOT DAMAGED OR REMOVED. ANY DAMAGE DONE BY THE CONTRACTOR, WHETHER THE STRUCTURE OR SERVICE IS VISIBLE AT THE GROUND SURFACE OR NOT, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS REQUIRED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

NOTIFICATION OF PUBLIC UTILITIES

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OFFICIALS OF THE PUBLIC WORKS DEPARTMENT OF THE LOCAL MUNICIPALITY, J.U.L.I.E. AT 1-800-892-0123, AND OTHER PUBLIC AND PRIVATE UTILITIES SO THAT ARRANGEMENTS CAN BE MADE TO LOCATE THEIR VARIOUS FACILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER THIS CONTRACT, AS WELL AS TO PROVIDE ADEQUATE PROTECTION AND INSPECTION THERETO. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES IN THE FIELD.

TRAFFIC CONTROL DEVICES

BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". ADEQUATE LIGHTING SHALL BE MAINTAINED FROM DUSK TO DAWN AT ALL LOCATIONS WHERE CONSTRUCTION OPERATIONS WARRANT, OR AS DESIGNATED BY THE ENGINEER.

EXCAVATED MATERIALS

THE WASTE OBTAINED FROM EARTH OR TRENCH EXCAVATION INCLUDED UNDER THIS CONTRACT SHALL NOT BE DISPOSED OF BY THE CONTRACTOR UNTIL PERMISSION IS RECEIVED FROM THE OWNER SINCE THEY MAY REQUIRE THE CONTRACTOR TO DISPOSE OF THIS MATERIAL AT LOCATIONS AS DESIGNATED. THE CONTRACT UNIT PRICE BIDS FOR TRENCH BACKFILL AND SELECTED GRANULAR BACKFILL SHALL INCLUDE DISPOSAL OF WASTE MATERIALS AS MAY OR MAY NOT BE DESIGNATED ABOVE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THEREFORE, AS A PROVISION OF THIS CONTRACT, THE CONTRACTOR WILL BE REQUIRED TO DISPOSE OF ALL SURPLUS TRENCH SPOIL MATERIALS OFF THE SITE AS WORK PROGRESSES. THE TEMPORARY STOCKPILING OF THIS MATERIAL ON THE PROJECT SITE WILL NOT BE ALLOWED.

PROTECTION OF SIGNS AND PROPERTY

ALL TRAFFIC SIGNS, STREET SIGNS, ETC., THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AND PLACED AT NEW LOCATIONS AS DESIGNATED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. IN ADDITION, ALL MAIL BOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE SIMILARLY RELOCATED AT NO ADDITIONAL COST IN ACCORDANCE WITH ARTICLES 107.20 AND 107.21 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

SUPERINTENDENCE

SPECIAL ATTENTION IS DRAWN TO ARTICLE 105.06 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WHICH REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVING CONTROL OF ALL THE WORK AS THE AGENT OF THE GENERAL CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.

SCHEDULE OF OPERATIONS

THE CONTRACTOR SHALL SUBMIT IN WRITING A "SCHEDULE OF OPERATIONS" SHOWING APPROXIMATE DATES FOR COMMENCING AND COMPLETING VARIOUS PHASES OF CONSTRUCTION INCLUDED IN THE CONTRACT. PRIOR TO COMMENCING ANY CONSTRUCTION UNDER THIS CONTRACT, THE SCHEDULE SHALL HAVE THE APPROVAL OF THE ENGINEER AND THE DATE FOR STARTING SHALL BE MUTUALLY AGREED UPON BETWEEN THE CONTRACTOR AND THE ENGINEER.

SAWING EXISTING IMPROVEMENTS

ALL PERMANENT TYPE PAVEMENTS OR OTHER PERMANENT IMPROVEMENTS WHICH ABOUT THE PROPOSED IMPROVEMENT AND MUST BE SAWED AS DIRECTED PRIOR TO REMOVAL. ALL ITEMS SO REMOVED SHALL BE REPLACED WITH SIMILAR CONSTRUCTION MATERIALS TO THEIR ORIGINAL CONDITION OR BETTER. PAYMENT FOR SAWING SHALL BE INCLUDED IN THE COST FOR THE REMOVAL OF EACH ITEM, AND REPLACEMENT WILL BE PAID FOR UNDER THE RESPECTIVE ITEMS IN THE CONTRACT UNLESS OTHERWISE INDICATED.

TREES AND BRANCHES

WHERE OVERHANGING BRANCHES INTERFERE WITH OPERATIONS OF CONSTRUCTION, SAID BRANCHES SHALL BE TRIMMED AND SEALED IN ACCORDANCE WITH SECTION 253.09 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE COST OF SAME SHALL BE INCIDENTAL TO THE CONTRACT.

WATER VALVE BOXES AND DOMESTIC WATER SERVICE BOXES

WATER VALVE BOXES AND DOMESTIC WATER SERVICE BOXES THAT ARE LOCATED DURING CONSTRUCTION SHALL BE ADJUSTED TO THE FINISH GRADE SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

TRENCH BACKFILL, SELECTED GRANULAR BACKFILL, BEDDING AND CRADLE

WHENEVER "TRENCH BACKFILL" OR "SELECTED GRANULAR BACKFILL" ARE REQUIRED, THE MATERIAL USED SHALL BE CA-6, CRUSHED LIMESTONE. THE USE OF SAND OR SLAG WILL NOT BE ALLOWED. TRENCH BACKFILL SHALL BE MEASURED IN CUBIC YARDS IN PLACE, EXCEPT THAT THE QUANTITY FOR WHICH PAYMENT WILL BE MADE SHALL NOT EXCEED THE VOLUME OF THE TRENCH AS COMPUTED BY USING THE FINAL BACKFILL COLUMN OF STANDARD DRAWING NO. 2 OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION" INCLUDED IN THE SPECIAL PROVISIONS. ANY TRENCH BACKFILL REQUIRED IN EXCESS OF THE MAXIMUM QUANTITY THEREIN SPECIFIED SHALL BE FURNISHED BY THE CONTRACTOR AT HIS EXPENSE. SELECTED GRANULAR BACKFILL SHALL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

THE CONTRACTOR WILL ALSO BE REQUIRED TO PLACE BEDDING MATERIALS AT LEAST SIX INCHES (6"), OR 1/4 THE PIPE DIAMETER, WHICHEVER IS GREATER, IN THICKNESS BELOW THE PIPE, AND SHALL FURNISH ADDITIONAL CRADLE MATERIALS SUCH THAT THE LOWER 1/2 OF THE PIPE WILL BE UNIFORMLY SUPPORTED OVER ITS ENTIRE LENGTH. THESE BEDDING AND CRADLE MATERIALS WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID PER FOOT FOR THE RESPECTIVE PIPELINE BEING INSTALLED. MATERIALS USED SHALL BE SIMILAR TO THOSE USED FOR TRENCH BACKFILL.

WHENEVER TRENCHING OPERATIONS CROSS ANOTHER UTILITY LINE OR SERVICE LINE, THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO INSURE AGAINST THE FAILURE OF SAID UTILITY LINE. THE CONTRACTOR SHALL FURNISH SUFFICIENT BRACING UNDER THE LINES SUCH THAT THE UNSUPPORTED LENGTH WILL NOT DEFLECT WHILE THE TRENCH IS OPEN OR DURING THE BACKFILLING OR COMPACTING OPERATIONS. TRENCH BACKFILL MATERIALS SHALL BE USED TO AN ELEVATION OF THE BOTTOM OF THE HIGHER UTILITY AND PAID FOR ACCORDINGLY.

INCIDENTAL CONSTRUCTION

WHENEVER THE PERFORMANCE OF WORK IS INDICATED ON THE PLANS, AND NO ITEM IS INCLUDED IN THE CONTRACT FOR PAYMENT, THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CONSTRUCTION LAYOUT STAKES

THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH CONSTRUCTION STAKES OR OTHER LAYOUT MATERIALS FOR LAYOUT OF THE LINES AND GRADES OF THE PROJECT, THIS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. FAILURE TO PROVIDE STAKES IN A TIMELY MANNER WILL RESULT IN A DELAY IN STAKEOUT WHICH WILL BE APPLICABLE AGAINST THE TIME LIMIT FOR COMPLETION SHOWN IN THE PROJECT SPECIFICATIONS. LINE AND GRADE WILL BE ESTABLISHED BY THE ENGINEER AT REGULAR INTERVALS ON PERMANENTLY PAVED SURFACES, SIDEWALKS OR STAKES AT THE ENGINEER'S OPTION, ALL WITHIN THE PUBLIC RIGHT-OF-WAY AND SHALL BE TRANSFERRED BY THE CONTRACTOR TO THE ACTUAL LINE OF CONSTRUCTION.

HALF TRAPS

THE LAST DRAINAGE STRUCTURE BEFORE THE CONNECTION TO A COMBINED SEWER SHALL BE INSTALLED WITH A HALF TRAP AS SHOWN ON THE CONSTRUCTION DETAILS SHEET. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE STRUCTURE.

MWRDGC GENERAL NOTES

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1447	03-00159-00-RS	COOK	24	2
F. HW. A. REG.	ILLINOIS	PROJECT STPM-8003(581)		

CONTRACT NO. 83835

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
LOCAL SEWER SYSTEMS SECTION

TYPICAL GENERAL 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).
- Elevation datum is U.S.G.S.
Conversion equation is N/A
- All floor drains shall discharge to the sanitary sewer system.
- All downspouts and footing drains shall discharge to the storm sewer system.
- 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)	C-425
Joint	D-1784
Collar	
<u>Concrete Pipe (C-14)</u>	C-443
RCP (C-76)	C-443
ACP (C-428)	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-21.51	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.)

BENCHMARKS

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| 1. N.E. CORNER OF HARLEM AVE. AND 16TH STREET
S.E. BOLT OF HYDRANT
BM = 621.58 | 6. N.W. CORNER OF EAST AVE. AND 16TH STREET
ARROW ON HYDRANT
BM = 619.91 |
| 2. N.W. CORNER OF WISCONSIN AVE. AND 16TH STREET
N.W. BOLT OF HYDRANT
BM = 620.18 | 7. N.W. CORNER OF GUNDERSON AVE. AND 16TH STREET
N.W. BOLT OF HYDRANT
BM = 618.94 |
| 3. N.W. CORNER OF WENONAH AVE. AND 16TH STREET
ARROW ON HYDRANT
BM = 620.04 | 8. N.W. CORNER OF RIDGELAND AVE. AND 16TH STREET
N.W. BOLT OF HYDRANT
BM = 619.18 |
| 4. N.W. CORNER OF KENILWORTH AVE. AND 16TH STREET
N.W. BOLT OF HYDRANT
BM = 620.57 | 9. N.W. CORNER OF HIGHLAND AVE. AND 16TH STREET
N.E. BOLT OF HYDRANT
BM = 617.67 |
| 5. N.W. CORNER OF OAK PARK AVE. AND 16TH STREET
N.W. BOLT OF HYDRANT
BM = 619.41 | 10. N.E. CORNER OF HARVEY AVE. AND 16TH STREET
N.W. BOLT OF HYDRANT
BM = 619.36 |

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Illinois Professional Design Firm No. 184-000928

PROJECT CITY OF BERWYN, ILLINOIS
16TH STREET RESURFACING
SECTION NO. 03-000159-00-RS

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	11/30/05	PER IDOT DIST. 1 B.L.R. COMMENTS
2	THK	12/14/05	PER IDOT DIST. 1 B.L.R. COMMENTS
3	THK	12/16/05	PER IDOT DIST. 1 B.L.R. COMMENTS

CONSTRUCTION NOTES
M.W.R.D. GENERAL NOTES
PROJECT NOTES

PROJECT NO. 02260	SCALE NONE	SHEET 2
DRAWN/DESIGNED JEP-RAW/THK	DATE OCT., 2005	OF 24
CHECKED/APPROVED JEF	FIELD BOOK NO. FILE	SHEETS

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