

SPECIAL PROVISIONS FOR PLAN FILE NOS. 226-96, 228-25, 229-4 AND 236-9 ONLY

- STANDARD SPECIAL PROVISIONS, PLAN FILE NUMBER 52-4-51, REVISED MAY 1, 2013 (OR LATEST REVISION THEREOF), ARE PART OF THIS CONTRACT.
- THIS PROJECT WAS APPROVED BY THE DEPARTMENT OF NATURAL RESOURCES (DNR) AND THE MILWAUKEE METROPOLITAN SEWERAGE DISTRICT (MMSD) ON SEPTEMBER 24, 2012.
- NORTH MARYLAND AVENUE IS ON THE 2014 CITY PAVING PROGRAM FOR ASPHALTIC CONCRETE RESURFACING. THE LET DATE FOR THIS PAVING PROJECT IS SCHEDULED TO BE IN JULY 2014.
- WORK IN THE INTERSECTION OF EAST KENWOOD BOULEVARD AND NORTH MARYLAND AVENUE SHALL BE COMPLETED BY JUNE 30, 2014. ALL OTHER WORK SHALL BE COMPLETED BY AUGUST 22, 2014. THE WORK SHALL BE CONTINUOUS AND THE TOTAL NUMBER OF ALLOWABLE WORKDAYS IS 40. A PROJECT WORKING DAY IS DEFINED AS ANY DAY THE CONTRACTOR IS ABLE TO WORK A MINIMUM OF FOUR HOURS TOWARDS COMPLETION OF THE PROJECT.
- WITHIN TEN (10) BUSINESS DAYS OF THE AWARD OF THIS CONTRACT, THE CONTRACTOR SHALL MAIL A NOTICE OF THE PROJECT TO THE CITY OF MILWAUKEE CONSTRUCTION SECTION AT 841 N. BROADWAY, ROOM 710, MILWAUKEE, WI 53202 FOR REVIEW AND APPROVAL WITHIN FIVE (5) BUSINESS DAYS OF APPROVAL. THE CONTRACTOR SHALL MAIL THE PROJECT NOTICE TO ALL AFFECTED AREA RESIDENTS AND BUSINESSES. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL NOTICES ARE CONVEYED TO THE PUBLIC REGARDING THIS PROJECT. A SAMPLE NOTICE IS INCLUDED IN THE CONTRACT DOCUMENTS. CONTRACT WORK SHALL NOT START PRIOR TO COMPLETING THE NOTICE REQUIREMENT. ANY DELAY IN CONTRACT COMPLETION AS A RESULT OF NON-COMPLIANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL POST CITY OF MILWAUKEE PROJECT IDENTIFICATION ("BLUE") SIGNS AS DIRECTED ON EACH PROJECT IN THIS CONTRACT. THE CITY WILL PROVIDE BLANK SIGNS FOR THE CONTRACTOR TO FILL IN CONTACT INFORMATION AND POST. THE COST FOR THIS WORK SHALL BE INCLUDED IN UNIT BID PRICE FOR THE RESPECTIVE DIAMETER COMBINED SEWERS CURED-IN-PLACE LINING.
- THE CONTRACTOR SHOULD VISUALLY INSPECT THE PROJECT SITE, MANHOLES IN THE FIELD, AND/OR VIEW THE AVAILABLE VIDEO-TAPED AND WRITTEN EXAMINATIONS OF THE SEWER AND MANHOLES PRIOR TO BIDDING. PLEASE NOTE THAT THE EXISTING VIDEO-TAPES DO NOT EXAMINE THE ENTIRE MANHOLE STRUCTURE. VIDEO-TAPED EXAMINATIONS ARE AVAILABLE FOR VIEWING IN ROOM 821 AT 841 NORTH BROADWAY. PLEASE CONTACT MR. ZAFAR YOUSUF AT (414) 286-2467 TO ARRANGE TO VIEW THE VIDEO-TAPES.
- IF DURING THE CCTV SEWER INSPECTION IT IS DISCOVERED BY THE CONTRACTOR THAT THERE ARE SEWER SEGMENTS HAVING THREE (3) OR MORE INCHES OF SAG AND/OR MULTIPLE ZIG ZAGS EXISTS, THEN THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION ENGINEER. THE CONTRACTOR SHALL PROVIDE THE CONSTRUCTION ENGINEER WITH A COPY OF THE RECORDED CCTV EXAMINATION AND REPORT OF THE SEWER SEGMENT(S) FOR REVIEW BY THE ENVIRONMENTAL ENGINEERING SECTION FOR FURTHER EVALUATION. THE CITY RESERVES THE RIGHT TO DELETE OR REVISE WORK LIMITS AS DETERMINED BY FIELD CONDITIONS WITH RESPECT TO THE NEEDS OF THE PROJECT. THE COST OF PROVIDING A COPY OF THE RECORDED CCTV SEWER EXAMINATION AND REPORT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED CURED-IN-PLACE LINING.
- PAYMENT FOR PAVEMENT RESTORATION IN EAST KENWOOD BOULEVARD SHALL CONSIST OF REMOVING AND REPLACING THE EXISTING CONCRETE PAVEMENT TO A WIDTH OF 10-FEET, CENTERED ON THE PROPOSED PIPE.
- PAVEMENT RESTORATION IN NORTH STOWELL AVENUE SHALL CONSIST OF REPLACING THE EXISTING ASPHALTIC CONCRETE AND CONCRETE BASE TO A WIDTH OF THE OUTSIDE DIAMETER OF THE PIPE, PLUS 4'-FEET.
- ALL CONNECTIONS FOR BUILDING SEWERS AND DRAINS OF RECORD HAVE BEEN SHOWN ON THE PLAN. ALL ACTIVE BUILDING SEWERS SHALL BE RECONNECTED TO THE NEW SEWER. THE CONTRACTOR SHALL FIELD VERIFY INCLUDING DYE TESTING TO VERIFY ALL ACTIVE LATERALS AND SHALL ONLY RECONNECT THOSE WHICH ARE SHOWN TO BE ACTIVE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED CURED-IN-PLACE LINING.
- THE CONTRACTOR WILL BE REQUIRED TO HANDLE ALL FLOW DURING THE INSTALLATION OF THE CURED-IN-PLACE LINING. THE COST OF BYPASSING AND PUMPING FLOW AROUND THE PROJECT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED CURED-IN-PLACE LINING.
- THE CONTRACTOR SHALL NOT RECONNECT OR REESTABLISH ANY HYDRANT DRAIN CONNECTIONS TO THE PROPOSED SEWER MAIN.
- THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL THE EXISTING UTILITIES WHILE RELAYING THE COMBINED SEWER AS SHOWN ON PLAN FILE NUMBER 229-4 AND 228-25. ALL UTILITIES SHALL BE SUPPORTED. THE COST OF SUPPORTING, RAT HOLING OR TUNNELING UNDER THE EXISTING UTILITIES NECESSARY FOR THE PROPOSED SEWER RELAY SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED SEWER RELAY, CLASS "C" BEDDING.
- IN ADDITION TO THE ALLOWABLE 1-1/2 INCH GRADED AGGREGATE, AS PER TABLE 39 OF SECTION 8.43.7 OF THE STANDARD SPECIFICATION, THE CONTRACTOR IS ALSO ALLOWED TO USE 1-1/4 INCH GRADED AGGREGATE. THE 1-1/4 INCH GRADED AGGREGATE SHALL MEET THE WISCONSIN DEPARTMENT OF TRANSPORTATION (WISDOT) STANDARDS, AS PER SECTION 305 DENSE GRADED BASE, CONFORMING TO THE TABLE LISTED AS "PERCENT PASSING BY WEIGHT" IN 2012 WISDOT STANDARD SPECIFICATION, SUBSECTION 305.2.2.1 GENERAL.
- THE CONTRACTOR SHALL MAINTAIN ONE 11-FOOT TRAFFIC LANE IN EACH DIRECTION ON EAST KENWOOD BOULEVARD AT ALL TIMES. THE CONTRACTOR MAY HAVE TO DIVERT TRAFFIC TO THE OPPOSITE SIDE OF THE MEDIAN.
- THE CONTRACTOR SHALL MAINTAIN LOCAL TRAFFIC AND ACCESS TO ALL ADJOINING PROPERTIES AT ALL TIMES IN NORTH STOWELL AVENUE.
- EAST KENWOOD BOULEVARD, NORTH DOWNER AVENUE, AND NORTH MARYLAND AVENUE ARE MILWAUKEE COUNTY TRANSIT SYSTEM (MCTS) BUS ROUTES. NO CONSTRUCTION EQUIPMENT SHALL BE STORED IN THESE STREETS.

- NO CONSTRUCTION EQUIPMENT OR MATERIAL, SAND, SOIL, GRAVEL, OR ANY OTHER MATERIALS SHALL BE PLACED, PARKED, OR STORED ON THE MEDIAN ISLANDS OF EAST KENWOOD BOULEVARD AND ADJACENT STREETS. NO CHEMICALS OR PETROLEUM PRODUCTS SHALL BE DEPOSITED WITHIN THE MEDIAN AREA. THE CONTRACTOR SHALL USE A ROAD PLATE TO PREVENT COMPACTION OF TREE ROOTS WHEREVER CONSTRUCTION EQUIPMENT MUST USE UNPAVED AREAS OF THE TREE BORDER. THE CONTRACTOR SHALL USE EQUIPMENT OF A SIZE THAT WILL NOT DAMAGE OR CAUSE DAMAGE TO THE ADJACENT CITY TREES, SHRUBS AND PLANTED BEDS.
- THERE ARE EXISTING SPRINKLER SYSTEMS IN THE MEDIAN ISLAND. WHERE NECESSARY, THE CONTRACTOR SHALL PROTECT AND SUPPORT THE EXISTING SPRINKLER SYSTEM BY TUNNELING OR RAT HOLING UNDER THE EXISTING PIPE. THE CONTRACTOR SHALL CONTACT MR. MICHAEL MUNSON OF CITY FORESTRY OPERATIONS DIVISION AT (414) 286-3042 OR AT (414) 708-2438 THREE DAYS PRIOR TO CONSTRUCTION OF SEWER RELAY WORK. A COPY OF THE IRRIGATION PIPE PLAN MAY BE OBTAINED UPON REQUEST FROM THE FORESTRY DIVISION AT (414) 286-3531. ANY DAMAGE TO CITY-OWNED SPRINKLER SYSTEM DUE TO CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED BY THE CITY'S FORESTRY DEPARTMENT AT THE CONTRACTOR EXPENSES. RESTORATION OF DAMAGED TURF IN THE MEDIAN ISLANDS MUST BE DONE WITH SOD. THE COST OF PROTECTING AND SUPPORTING THE EXISTING SPRINKLER SYSTEM AND RESTORATION OF DAMAGED TURF IN THE MEDIAN ISLANDS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED SEWER RELAY.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH AND MAINTAIN ACCESS TO THE UNIVERSITY OF WISCONSIN-MILWAUKEE CAMPUS AT ALL TIMES.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUPPLY A TRAFFIC CONTROL PLAN OUTLINING TRAFFIC FLOW PATTERNS AROUND THE WORK ZONE AND ACCESS TO BUSINESSES AND RESIDENCES TO MR. JAMES BROWN OF THE TRAFFIC OPERATIONS SECTION AT LEAST 10 DAYS PRIOR TO THE START OF CONSTRUCTION, MUNICIPAL BUILDING, ROOM 920. CONTACT MR. JAMES BROWN AT (414) 286-3276 WITH QUESTIONS REGARDING THE TRAFFIC CONTROL PLAN SUBMITTAL.
- ALL SIGNS USED FOR TRAFFIC CONTROL SHALL MEET THE NEW NATIONAL REQUIREMENTS FOR SIGN RETROREFLECTIVITY STANDARDS.
- THE CONTRACTOR SHALL CONTACT MR. JAMES BROWN AT (414) 286-3276 OF THE CITY OF MILWAUKEE TRANSPORTATION SECTION AT LEAST THREE (3) DAYS PRIOR TO THE START OF THE PROJECT REGARDING THE INSTALLATION OF TEMPORARY "NO PARKING" SIGNS. THE CONTRACTOR SHALL ALSO CONTACT MR. BROWN TO ARRANGE FOR THE REMOVAL OF SIGNS IN THE PROJECT LIMITS AFTER CONSTRUCTION WORK IS COMPLETED.
- THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL THE EXISTING UTILITIES WHILE RELAYING THE RESPECTIVE DIAMETER SEWERS. ALL UTILITIES SHALL BE SUPPORTED. THE COST OF SUPPORTING, RAT HOLING, OR TUNNELING UNDER THE EXISTING UTILITIES NECESSARY FOR THE PROPOSED SEWER RELAY SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED SEWER RELAY, CLASS "C" BEDDING.
- THE CONTRACTOR SHALL NOT RECONNECT OR REESTABLISH ANY HYDRANT DRAIN CONNECTIONS TO THE PROPOSED SEWER MAIN.
- THE CITY OF MILWAUKEE HAS STREET LIGHTING FACILITIES AND PIPE CABLE CROSSINGS AT VARIOUS LOCATIONS THROUGHOUT THE PROJECT. DURING OPEN CUT TRENCHING, THE CONTRACTOR SHALL SUPPORT THESE CROSSINGS. ANY ALTERATIONS NEEDED TO THE CITY OF MILWAUKEE STREET LIGHTING FACILITIES MUST BE APPROVED BY THE STREET LIGHTING DEPARTMENT. THE CONTRACTOR SHALL PAY A SERVICE FEE RANGING FROM APPROXIMATELY \$2,200 TO \$4,500 FOR EACH STREET LIGHTING POLE WHERE ALTERATIONS ARE NEEDED; HOWEVER, IF ANY ADDITIONAL WORK IS REQUIRED FOR THE ALTERATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST.

THE SUCCESSFUL CONTRACTOR MUST PAY THE NECESSARY SERVICE FEE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE PROOF OF THE PAYMENT TO THE CONSTRUCTION ENGINEER PRIOR TO STARTING ANY REQUIRED STREET LIGHTING AND TRAFFIC SIGNAL ALTERATIONS WORK. THE CONTRACTOR SHALL CONTACT MR. ENG-KIE LEE AT (414) 286-2174 FOR ALL NECESSARY STREET LIGHTING ALTERATIONS. THE CONTRACTOR SHALL CONTACT MR. JOSEPH BONDOWSKI AT (414) 286-5162 FOR ALL NECESSARY TRAFFIC SIGNAL ALTERATIONS.

ANY DAMAGE TO THE CITY-OWNED STREET LIGHTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED BY THE CITY'S STREET LIGHTING DEPARTMENT AT THE CONTRACTOR'S EXPENSE. ANY DAMAGES SHALL BE REPORTED TO THE STREET LIGHTING SHOP AT (414) 286-3481.
- PRIOR TO ABANDONMENT THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT NO ACTIVE BUILDING SEWERS ARE CONNECTED TO THE MAIN SEWER TO BE ABANDONED. THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION ENGINEER IF AN ACTIVE BUILDING SEWER IS FOUND TO BE CONNECTED TO THE MAIN. ALL COSTS ASSOCIATED WITH BULKHEADING THE SEWER SHALL BE INCLUDED IN THE UNIT PRICE BID FOR BULKHEAD AND ABANDON.
- THE CONTRACTOR WILL BE REQUIRED TO HANDLE ALL FLOW DURING CONSTRUCTION. THE CONTRACTOR SHALL BYPASS THE FLOW FROM THE RESPECTIVE DIAMETER COMBINED SEWER AND SHALL KEEP IN PLACE AN ALTERNATE PLAN TO PUMP OR BYPASS THE FLOW IN THE EVENT OF ENCOUNTERING WET WEATHER FLOW DURING CONSTRUCTION OPERATION. SEWER SYSTEMS PLANS SHOWING POSSIBLE PUMPING LOCATIONS ARE AVAILABLE FOR VIEWING BY CONTACTING MR. ZAFAR YOUSUF AT (414) 286-2467. THE COST OF BYPASSING OR PUMPING ALL FLOW AROUND THE PROJECT AND OBTAINING THE NECESSARY BYPASS PERMITS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED SEWER, CURED-IN-PLACE LINING.
- THE CONTRACTOR MAY USE EXISTING MANHOLES AS WORKSHAFTS. IF NECESSARY, THE CONTRACTOR SHALL REMOVE AND REPLACE THE CORBEL OF THE EXISTING MANHOLE FOR CONSTRUCTION PURPOSES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED CURED IN PLACE LINING.
- THE CONTRACTOR SHALL PROVIDE THE CITY WITH TWO (2) COPIES OF A POST INSTALLATION DVD EXAMINATION AND REPORT OF THE SEWER. THESE RECORDED EXAMS WILL BECOME THE PROPERTY OF THE CITY OF MILWAUKEE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED CURED-IN-PLACE LINING.
- SOME RUNS OF THE COMBINED SEWER MAY HAVE LIGHT TO MODERATE DEPOSITS IN THE LINE. ALL CLEANING WORK NECESSARY FOR THE INSTALLATION OF THE CURED-IN-PLACE LINER SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED CURED-IN-PLACE LINING.

- PRIOR TO ORDERING ANY MATERIAL FOR THE CURED-IN-PLACE LINING THE CONTRACTOR IS REQUIRED TO EXAMINE ALL COMBINED MAINS THAT ARE PROPOSED TO BE CURED-IN-PLACE LINED. IF AFTER THE SUCCESSFUL CONTRACTOR EMPLOYS METHODS OF JETTING, RODDING, AND CUTTING THAT ARE MONITORED BY AN INSPECTOR, AND A LINER CANNOT BE INSTALLED IN THE PIPE DUE TO DEFECTS, DEBRIS, DEPOSITS, OR THE PIPE WOULD NOT FUNCTION EFFICIENTLY OR PROPERLY WITH A LINER INSTALLED, THE CONTRACTOR IS REQUIRED TO SUBMIT A DVD AND REPORT OF THE DEFECT TO THE ENVIRONMENTAL ENGINEERING SECTION (EES) FOR THEIR REVIEW. ONCE THE SEWER SEGMENT IS REVIEWED BY THE EES, IT MAY BE DELETED FROM THE CONTRACT. THE REVIEW PROCESS IS ESTIMATED TO TAKE UP TO 5 BUSINESS DAYS FOR EACH DEFECT. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED CURED-IN-PLACE LINING.
- A SCHEDULE OF WATER AND HYDRANT SERVICE CHARGES OF MILWAUKEE WATER WORKS EFFECTIVE MAY 1, 2011 (OR LATEST REVISION THEREOF), FOR SEWER FLUSHING AND LINING (ENCLOSED IN THE BID PACKAGE), IS A PART OF THIS CONTRACT. PLEASE CONTACT MILWAUKEE WATER WORKS AT (414) 286-8000 FOR ANY QUESTIONS RELATED TO HYDRANT FEES AND DEPOSITS. ALL PERMIT FEES AND DEPOSITS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED CURED-IN-PLACE LINING.
- THERE ARE EXISTING CITY OF MILWAUKEE TREES WITHIN THE PROJECT LIMITS. NO TREE PRUNING/TRIMMING WORK SHALL BE DONE BY THE SEWER CONTRACTOR. ANY REQUIRED TREE PRUNING OR OTHER FORESTRY WORK ON THIS PROJECT BY ANY COMPANIES MUST BE FIRST APPROVED BY THE FORESTRY DEPARTMENT PRIOR TO ANY FORESTRY WORK TAKING PLACE. THE CONTRACTOR SHALL BE A LICENSED, INSURED, AND CERTIFIED TREE CARE PROFESSIONAL. THIS WORK MUST BE SCHEDULED AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF THE SEWER CONSTRUCTION WORK SO THAT TREE PRUNING WORK CAN BE ARRANGED. THE CONTRACTOR SHALL CONTACT MR. MIKE MUNSON, FORESTRY SECTION INSPECTOR, AT (414) 286-3042 REGARDING ALL FORESTRY WORK. THE COST OF ANY POSSIBLE FORESTRY WORK SHALL BE INCLUDED IN THE UNIT PRICE BID OF THE RESPECTIVE SEWER WORK UNLESS OTHERWISE NOTED.

SPECIAL PROVISIONS APPLICABLE FOR MANHOLE LINING*

- ANY MATERIAL, INCLUDING MINERAL DEPOSITS DISPLACED FROM THE MANHOLE SHALL BE REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF THE REMOVED MATERIALS AT A DEPARTMENT OF NATURAL RESOURCES (DNR) APPROVED SITE. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE LINING.
- IF ANY EXCAVATION IS REQUIRED TO REPAIR THE MANHOLE PRIOR TO COMMENCING ANY WORK, THE UTILITIES SHALL BE HOT-LINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL THE NECESSARY INFORMATION, INCLUDING "AS-BUILT" PLANS AND ELEVATIONS FROM THE RESPECTIVE UTILITY COMPANIES. THE COST OF SUPPORTING OR RELOCATING ANY UNDERGROUND OR AERIAL UTILITIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE RESPECTIVE UTILITY OWNERS AND INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER LINING. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR ANY UTILITY RELOCATION FROM THE RESPECTIVE UTILITY OWNER PRIOR TO THE RELOCATION. THE COST OF ANY REQUIRED PAVEMENT SAWING AND TEMPORARY AND PERMANENT PAVEMENT RESTORATION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE REPAIR.
- FOR MANHOLE REPAIR WORK, THE CONTRACTOR SHALL REMOVE THE EXISTING MANHOLE FRAME AND LID AND REPAIR THE EXISTING BRICK WORK TO THE NECESSARY DEPTH. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 3.5.4 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL REMOVE THE NECESSARY PORTION OF THE MANHOLE AND REPLACE WITH CONCRETE RINGS. THE CONTRACTOR SHALL RE-USE THE EXISTING FRAME AND LID IF IN GOOD CONDITION AS DETERMINED BY THE CONSTRUCTION ENGINEER. IF REPLACEMENT OF A NEW FRAME AND LID IS REQUIRED, THE CONTRACTOR SHALL OBTAIN A CASTING ORDER FROM THE CONSTRUCTION ENGINEER AND CONTACT MR. ROBERT BROOKS AT (414) 286-3241 FOR PICKUP BY THE CONTRACTOR OF A NEW FRAME AND LID. ALL THE COSTS ASSOCIATED WITH THIS WORK, INCLUDING PAVEMENT RESTORATION AND FURNISHING OF ALL LABOR AND MATERIALS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR MANHOLE REPAIR. THE LOCATION OF THE REPAIR MUST BE APPROVED BY THE FIELD ENGINEER, THE QUANTITIES SHOWN ON THE PLANS ARE ESTIMATES.

SPECIAL PROVISIONS APPLICABLE FOR CURED-IN-PLACE LINER (CIP LINER)**

CURED-IN-PLACE LINER THICKNESS SHALL CONFORM TO THE MINIMUM VALUES LISTED IN THE FOLLOWING TABLE FOR EACH FLEXURAL MODULUS (ASTM D790)**	
DIAMETER, LOCATION	
(30-INCH COMBINED) MANHOLE 279D038 TO 279D022	E KENWOOD BLVD 400,000 PSI 13.50 MM
(36-INCH COMBINED) MANHOLE 279D022 TO 279C026	E KENWOOD BLVD 400,000 PSI 15.00 MM

THE CONTRACTOR HAS AN OPTION OF USING HIGH STRENGTH FLEXURAL MODULUS (UP TO 1,000,000 PSI), THE CONTRACTOR IS REQUIRED TO SUBMIT DESIGN COMPUTATIONS FOR THICKNESS OF THE LINER MATERIAL, IF HIGH STRENGTH FLEXURAL MODULUS IS USED, TO THE ENVIRONMENTAL ENGINEERING SECTION FOR APPROVAL.

SHEET NO. 1 OF 6 IS PLAN FILE NO. 229-8
SHEET NO. 2 OF 6 IS PLAN FILE NO. 229-4
SHEET NO. 3 OF 6 IS PLAN FILE NO. 226-96
SHEET NO. 4 OF 6 IS PLAN FILE NO. 228-25
SHEET NO. 5 OF 6 IS PLAN FILE NO. 236-9
SHEET NO. 6 OF 6 IS PLAN FILE NO. 234-59

ENVIRONMENTAL ENGINEERING SECTION
INFRASTRUCTURE SERVICES DIVISION
DEPARTMENT OF PUBLIC WORKS
MILWAUKEE, WISCONSIN

SPECIAL PROVISIONS
E. KENWOOD BOULEVARD

IN FROM TO
N. MARYLAND AVENUE
N. DOWNER AVENUE

IN FROM TO
N. STOWELL AVENUE
E. LINNWOOD AVENUE
E. KENWOOD BOULEVARD

APPROVED	DATE
<i>Zafar Yousof</i>	02-07-2014 DESIGN ENGINEER
<i>Timothy J. Han</i>	02-07-2014 ENGINEER IN CHARGE
<i>[Signature]</i>	02-14-2014 CITY ENGINEER & SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS
EASEMENT NO.	PROJECT NO. 1 C.C. FILE NO. 111701
CONTRACT NO.	PROJ. ID. SM495100239 OFF. NOTICE NO. 23-2014 DATE ADOPTED 5-22-12

SHEET NO. 5 OF 6 PLAN FILE NO. 236-9

LINE CODE LEGEND		
GAS	G	SANITARY SEWER
STORM SEWER	S	STREET LIGHTING
ELECTRIC	E	PAVING LIMITS
TELEPHONE	T	STRUCTURE/BUILDING
CABLE TELEVISION	TV	FENCE
FIBER OPTICS	FO	HYDRANT
CITY UNDERGROUND CONDUIT	CUC	ALUMINUM POLE
		CONCRETE POLE
		WOOD POLE

BE ADVISED THAT THIS INFORMATION HEREBY GIVEN TO YOU IS BASED UPON THE BEST AVAILABLE RECORDS. THE EXACT LOCATION IS UNKNOWN FOR ALL UTILITIES SHOWN WITHOUT DIMENSIONS, HOWEVER WE CANNOT GUARANTEE THE CORRECTNESS OR ACCURACY OF THE SAME.



CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND BEFORE YOU DIG. WISCONSIN STATUTE 182.0715 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

NO.	BY	REVISION	DATE
AS BUILT CONTRACT NO.	DATE ENT'D.	ENT'D. BY	