

SPECIAL PROVISIONS FOR PLAN FILE NUMBER 229-34, 229-35, AND 229-36 ONLY.

- STANDARD SPECIAL PROVISIONS, PLAN FILE NUMBER 52-4-51, DATED MAY 1, 2013 (OR LATEST REVISION THERE OF), ARE PART OF THIS CONTRACT.
- THIS PROJECT HAS BEEN SUBMITTED TO THE MILWAUKEE METROPOLITAN SEWERAGE DISTRICT (MMSD) AND THE DEPARTMENT OF NATURAL RESOURCES (DNR). APPROVALS AND WORK SHALL BE PERFORMED ON THIS CONTRACT UNDER MMSD AND DNR APPROVALS HAVE BEEN OBTAINED. APPROVALS ARE CURRENTLY ANTICIPATED TO BE OBTAINED BY APRIL 29TH, 2016; HOWEVER THERE IS NO GUARANTEE OF SAME. THE CONSTRUCTION ENGINEERS WILL CONTACT MR. ANDREW KADWIL (MMSD) AT (414) 225-2219 TO CONFIRM THAT THE APPROVALS HAVE BEEN GRANTED.
- THIS PROJECT SHALL BE COMPLETED BY AUGUST 26, 2016. NO WORK SHALL BE ALLOWED FROM JUNE 28 TO JULY 10 DURING SUMMERFEST. THE CONTRACTOR SHALL OPEN ALL LANES OF ST. PAUL AVENUE TO TRAFFIC DURING THIS TIME.
- THERE IS LIVING WORK IN NORTH BROADWAY FROM EAST ST. PAUL AVENUE TO EAST CLYBOURN STREET. THIS CONTRACT WILL BE AWARDED IN EARLY APRIL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE LINING WORK SO AS TO ENSURE MINIMUM CONFLICT BETWEEN THE TWO PROJECTS. ANY ASSOCIATED COSTS SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE 48-INCH DIAMETER COMBINED CURED-IN-PLACE LINING WORK.
- THE CONTRACTOR SHALL BE AWARE THAT WORK ON THE STREETCAR PROJECT IS SCHEDULED TO BEGIN ON MONDAY, AUGUST 1, 2016. THE CONTRACTOR SHALL CONTACT MR. TONY KOTECKI, CITY OF MILWAUKEE CONSTRUCTION UTILITY COORDINATOR-SOUTH DISTRICT, AT (414) 286-2433 IF ANY SEWER WORK NEEDS TO BE COORDINATED WITH THE STREETCAR WORK AND TO CONFIRM THE COMPLETION OF THE SEWER WORK.
- 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 NORTH 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 SHOULD VISUALLY INSPECT THE PROJECT SITE, MANHOLES IN THE FIELD, AND/OR VIEW THE AVAILABLE VIDEOS AND WRITTEN EXAMINATIONS OF THE SEWERS PRIOR TO BIDDING. PLEASE NOTE THAT THE EXISTING VIDEOS DO NOT EXAMINE THE ENTIRE MANHOLE STRUCTURE. VIDEOS 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 VIDEOS.
- THE CITY DOES NOT HAVE CLOSED-CIRCUIT TELEVISED (CCTV) SEWER EXAMINATIONS OR CONDITION REPORTS AVAILABLE FOR ALL SEWERS THAT ARE TO BE LINED FOR THIS PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE SEWERS BY CCTV AND ASSESS THE SEWER MANHOLES CONDITION IN THE FIELD. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER SANITARY OR COMBINED SEWER CURED-IN-PLACE LINING.
- THE CONTRACTOR SHALL POST CITY OF MILWAUKEE PROJECT IDENTIFICATION ('BLUE') SIGNS AS DIRECTED IN THIS CONTRACT. THE CITY WILL PROVIDE BLANK SIGNS FOR THE CONTRACTOR TO FILL IN CONTACT INFORMATION AND POST.
- ALL CONNECTIONS FOR BUILDING SEWERS AND DRAINS OF RECORD HAVE BEEN SHOWN ON THE PLAN. ALL ACTIVE BUILDING SEWERS AND DRAINS SHALL BE RECONNECTED TO THE NEW SEWER OR RE-ESTABLISHED TO THE NEWLY LINED SEWER. THE CONTRACTOR SHALL FIELD VERIFY ALL ACTIVE LATERALS AND SHALL ONLY RECONNECT LATERALS WHICH ARE FOUND TO BE ACTIVE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE RESPECTIVE UNIT PRICE BID FOR THE BUILDING SEWERS AND DRAINS OR THE RE-ESTABLISH CONNECTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT NO ACTIVE BUILDING SEWERS ARE CONNECTED TO THE MAIN SEWERS OR MANHOLES PRIOR TO THEIR ABANDONMENT. THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION ENGINEER IF ACTIVE BUILDING SEWERS ARE CONNECTED TO ANY PROPOSED SEWER ABANDONMENT.
- IN ADDITION TO THE ALLOWABLE 1-1/2 INCH GRADED AGGREGATE, AS PER TABLE 39 OF SECTION 8.43.7 OF THE STANDARD SPECIFICATIONS, 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) STANDARD AS PER SECTION 305 DENSE GRADED BASE, CONFORMING TO THE TABLE LISTED AS "PERCENT PASSING BY WEIGHT" IN 2012 WISDOT STANDARD SPECIFICATIONS, SUBSECTION 305.2.2.1 GENERAL.
- THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL THE EXISTING UTILITIES WHILE RELAYING THE RESPECTIVE DIAMETER COMBINED SEWERS. ALL UTILITIES SHALL BE SUPPORTED, THE COST OF SUPPORTING, RAY BUNDLING, OR TUNNELING UNDER THE EXISTING UTILITIES NECESSARY FOR THE PROPOSED SEWER RELAY SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE COMBINED SEWER RELAY.
- THE CONTRACTOR SHALL PROTECT AND SUPPORT EXISTING WATER MAINS AT ALL LOCATIONS WHERE EXCAVATION FOR SEWER WORK CROSSES EXISTING WATER MAINS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE COMBINED SEWER RELAY.
- THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN CROSSING THE 20-INCH WATER MAIN AT THE INTERSECTION OF NORTH 3RD STREET AND WEST ST. PAUL AVENUE. ALL COSTS ASSOCIATED WITH THE WORK TO PROTECT AND SUPPORT THE WATER MAIN SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE 6'-0" X 3'-0" COMBINED PRECAST BOX SEWER.
- THE CONTRACTOR SHALL PROTECT AND SUPPORT THE TELEPHONE MANHOLE AT THE INTERSECTION OF NORTH 2ND STREET AND WEST ST. PAUL AVENUE. ALL COSTS ASSOCIATED WITH THE WORK TO PROTECT AND SUPPORT THE TELEPHONE MANHOLE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE 6'-0" X 3'-0" COMBINED PRECAST BOX SEWER.
- 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 OF APPROXIMATELY \$2,200 TO \$4,500 FOR EACH STREET LIGHTING POLE WHERE ALTERATIONS ARE NEEDED; HOWEVER, 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. KING 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.

- THE CONTRACTOR SHALL SUPPORT CITY OF MILWAUKEE UNDERGROUND CONDUIT (CUC) FACILITIES WITH WOODEN BEAMS OR EQUAL SUPPORTS. THE CONTRACTOR SHALL USE EXTREME CAUTION AND TAKE THE NECESSARY PRECAUTIONS TO AVOID DAMAGING THE CUC FACILITIES. THE CONDUIT CONTAINS VITAL COMMUNICATIONS CABLES THAT MUST REMAIN IN SERVICE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO CITY OF MILWAUKEE FACILITIES. CONTACT THE CITY DISPATCHER AT (414) 286-3481 IMMEDIATELY IF DAMAGE OCCURS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RESPECTIVE COMBINED SEWER RELAY.
- THERE ARE VARIOUS OVERHEAD WIRES WITHIN THE PROJECT LIMITS THAT MAY REQUIRE TEMPORARY RELOCATIONS. THE COST OF ANY TEMPORARY RELOCATION OF OVERHEAD UTILITIES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE COMBINED SEWER RELAY.
- ONE (1) ELEVEN FOOT LANE OF TRAFFIC FOR EACH DIRECTION ON THE PROPER SIDE OF THE ROAD DURING BOTH WORKING AND NON-WORKING HOURS SHALL BE MAINTAINED THROUGHOUT THE PROJECT LIMITS. THE CONTRACTOR SHALL MAINTAIN LOCAL TRAFFIC AND ACCESS 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 CITY OF MILWAUKEE TRAFFIC OPERATIONS SECTION, 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 CONTACT MR. MIKE CHANESKE AT (414) 286-3281 TO ARRANGE FOR THE REMOVAL OF STOP SIGNS OR STOP SIGNS ARE TAKEN DOWN OR DISTURBED DURING CONSTRUCTION. THE CONTRACTOR IS DIRECTED TO CALL FOR ANY REINSTALLATION OF THE SIGNS. A CITY CREW WILL REINSTALL THE SIGNS.
- 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 WILL BE DONE BY THE FORESTRY. BEFORE THE PROJECT START DATE, ALL TREE REMOVALS MUST BE FIRST APPROVED BY THE FORESTRY DEPARTMENT. THE COST OF ANY REMOVALS SHALL BE INCLUDED IN THE BID PRICE OF THE RESPECTIVE COMBINED SEWER RELAY UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL CONTACT MR. DWAYNE REINHARDT, FORESTRY INSPECTOR, AT (414) 708-2438 REGARDING ANY FORESTRY WORK.
- THE CONTRACTOR SHALL PROVIDE THE CITY WITH TWO (2) COPIES OF A POST-CONSTRUCTION AND REPORT OF THE SEWER RELAY WORK AS WELL AS TWO (2) COPIES OF A POST-CLEANING DVD EXAMINATION AND REPORT OF THE SEWER CLEANING WORK. THESE VIDEO EXAMS WILL BECOME THE PROPERTY OF THE CITY OF MILWAUKEE. THE COST OF THIS WORK FOR THE PROPOSED COMBINED SEWER RELAY SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE SEWER EXAMS BY CCTV, POST-CONSTRUCTION, FOR THE PROPOSED COMBINED AND SANITARY SEWER LINING. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RESPECTIVE DIAMETER CURED-IN-PLACE LINING.
- 3-INCH BITUMINOUS TEMPORARY SURFACE OR 3-INCHES OF ASPHALTIC CONCRETE ON CONCRETE BASE SHALL BE INSTALLED PRIOR TO AND SHALL REMAIN FOR THE DURATION OF SUMMERFEST AS SPECIFIED BY THE CONSTRUCTION ENGINEER. AFTER SUMMERFEST, THE PAVEMENT REPLACEMENT IN WEST ST. PAUL AVENUE SHALL CONSIST OF 3-INCHES OF ASPHALTIC CONCRETE ON CONCRETE BASE. ALL PAVEMENT RESTORATION SHALL BE LIMITED TO A WIDTH OF THE OUTSIDE DIAMETER OF THE PIPE PLUS FOUR FEET, CENTERED ON THE PROPOSED PIPE.
- WEST ST. PAUL AVENUE, NORTH 4TH STREET, NORTH 2ND STREET, AND NORTH FLANKIN/TOI AVENUE ARE ALL MILWAUKEE COUNTY TRANSIT SYSTEM (MCTS) BUS ROUTES. NO CONSTRUCTION EQUIPMENT SHALL BE STORED IN THESE STREETS. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE ANY TRAFFIC DISRUPTIONS CAUSED BY PROPOSED SEWER WORK ON THIS CONTRACT.
- FOR THE REPLACEMENT OF MANHOLE 397C024, ON PLAN FILE 229-36, THE CONTRACTOR IS REQUIRED TO BUILD A COLLAR. FOR ALL OF THE COLLARS, IF THE DISTANCE FROM A CUT PIECE OF PIPE TO BELL OR SPIGOT IS LESS THAN THREE FEET, THE CONTRACTOR SHALL CONNECT TO THE NEAREST BELL OR SPIGOT. THE CONTRACTOR SHALL MATCH THE EXISTING FLOW LINES. IF PVC PIPE IS USED, THE CONTRACTOR SHALL CONNECT THE TWO CUT PIECES OF PIPE WITH A FERRO. IF CONCRETE PIPE IS USED, THE CONTRACTOR IS REQUIRED TO BUILD A CONCRETE COLLAR. THE COLLAR SHALL BE A MINIMUM OF 12 INCHES THICK FROM THE EXTREME EDGE OF THE SEWER AND A MINIMUM OF 24 INCHES LONG, CENTERED FROM THE TRANSIT LINES OF BOTH THE EXISTING AND NEW PIPES.

THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL OF THE EXISTING UTILITIES WHEN CONSTRUCTING THE COLLAR. ALL THE COST ASSOCIATED WITH THIS WORK INCLUDING FURNISHING ALL LABOR, MATERIALS AND PAVEMENT RESTORATION NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR CONCRETE COLLAR.

FOR MANHOLE 396B014, ON PLAN FILE NO. 229-34, THE CORBEL SECTION IS TO BE REMOVED AND REPLACED SO AS TO HAVE THE FRAME AND LID OUTSIDE OF THE PROPOSED STREET CAR RAIL AS SHOWN ON THE DETAIL.

THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL OF THE EXISTING UTILITIES WHEN REMOVING AND REPLACING THE CORBEL SECTION. ALL THE COST ASSOCIATED WITH THIS WORK INCLUDING FURNISHING ALL LABOR, MATERIALS AND PAVEMENT RESTORATION NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE 4'-0" DIAMETER COMBINED MANHOLE.

FOR THE PROPOSED 10'-0" DIAMETER COMBINED MANHOLE, A FLAT TOP SLAB SHALL BE REQUIRED. THE INSTALLATION HEIGHT OF THE FLAT TOP SLAB SHALL BE 72-INCHES ABOVE THE BENCH OF THE MANHOLE. THE COST OF THE FLAT TOP SLAB SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE 10'-0" DIAMETER COMBINED MANHOLE.

THE CONTRACTOR SHALL NOTE THAT THERE ARE VARIOUS SIZES OF LATERALS THAT CONNECT TO THE EXISTING COMBINED SEWER. THE LATERAL SIZE SHALL BE FIELD VERIFIED PRIOR TO RECONNECTING THE LATERAL. THE COST OF RECONNECTING THE EXISTING LATERALS TO THE NEW COMBINED SEWER SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE BUILDING SEWER & DRAINS.

- THE CONTRACTOR SHALL PROTECT AND SUPPORT AMERICAN TRANSMISSION COMPANY'S (ATC) 138KV ELECTRICAL TRANSMISSION CABLE PIPES AT THE INTERSECTION OF NORTH 2ND STREET AND WEST ST. PAUL AVENUE DURING CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN AND FOLLOW ALL REQUIREMENTS DULINED IN ATC SPECIFICATION SN2500 DATED JUNE 24, 2009 OR THEREAFTER. EXCAVATION AROUND CABLE PIPE. THE CONTRACTOR MUST CONTACT KIM STRATTON AT 262-506-6876 TO OBTAIN A COPY OF ATC SPECIFICATION SN2500 PRIOR TO BIDDING. AN ATC DESIGNATED CONSTRUCTION INSPECTOR IS REQUIRED TO BE ON SITE FOR ALL CONSTRUCTION IN THE AREA OF THE 138 KV CABLE PIPE. THIS FACILITY IS ENERGIZED AND MUST REMAIN IN SERVICE AT ALL TIMES. MECHANICAL EQUIPMENT SHALL NOT BE USED WITHIN TWO (2) FEET OF THE CABLE PIPE. NON-POINTED HAND TOOLS OR VACUUM EXCAVATION METHODS SHALL BE UTILIZED TO EXPOSE THE CABLE PIPE. SPECIAL CARE SHALL BE TAKEN TO PREVENT DAMAGE TO THE PIPE AND THE PIPE COATING WHEN EXCAVATING AROUND THE CABLE PIPE. THE COATING ON THE CABLE PIPE MUST BE INSPECTED BY ATC PRIOR TO BACKFILLING THE TRENCH. THE CONTRACTOR IS REQUIRED TO NOTIFY MR. CHRIS DAILEY OF ATC OFFICE AT (262) 506-6884, MOBILE (414) 651-3950 AT LEAST FIVE (5) WORK DAYS PRIOR TO EXPOSURE OF ELECTRICAL TRANSMISSION CABLE PIPE FOR INFORMATION ABOUT SUPPORT REQUIREMENTS AND INSPECTION. THE COST OF SUPPORTING AND PROTECTING THE ELECTRICAL TRANSMISSION PACKAGE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE 6'-0" X 3'-0" COMBINED PRECAST BOX SEWER CLASS "C" BEDDING.
- THE CITY OF MILWAUKEE HAS APPLIED FOR FUNDING FOR ALL PROJECTS IN THIS CONTRACT THROUGH THE CLEAN WATER FUND (CWF) LOAN ADMINISTERED BY THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES. THIS CONTRACT IS SUBJECT TO THE DAVIS-BACON COMPLIANCE PROVISIONS. THE CONTRACTOR SHALL USE THE HIGHER WAGE RATE TABLE BETWEEN THE PREVAILING WAGE RATE ISSUED BY THE STATE OF WISCONSIN AND THE DAVIS-BACON WAGE RATE TABLES AS ISSUED BY THE US DEPARTMENT OF LABOR WAGE AND HOUR DIVISION. THE CONTRACTOR SHALL SUBMIT WEEKLY PAYROLL CERTIFICATION, UTILIZING THE PAYROLL FORM INCLUDED IN THE CONTRACT DOCUMENTS OR EQUIVALENT.

- ALL IRON AND STEEL PRODUCTS PROVIDED BY THE CONTRACTOR SHALL BE PRODUCED IN THE UNITED STATES AND COMPLY WITH THE AMERICAN IRON AND STEEL REQUIREMENT (AISI). CONTRACTOR TO PROVIDE AISI CERTIFICATION FOR ALL IRON AND STEEL PRODUCTS SUPPLIED FOR THIS CONTRACT.
- PRIOR TO ORDERING ANY MATERIAL FOR THE CURED-IN-PLACE LINING THE CONTRACTOR IS REQUIRED TO EXAMINE ALL SEWER MAINS THAT ARE PROPOSED TO BE CURED-IN-PLACE LINED. IF A LINER CANNOT BE INSTALLED IN THE PIPE DUE TO DEFECTS, 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 THE 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 CONTRACT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RESPECTIVE DIAMETER CURED-IN-PLACE LINING.
- THE MINIMUM FLEXURAL MODULUS FOR THE RESPECTIVE DIAMETER CURED-IN-PLACE LINE SHALL BE AS FOLLOWS: AT LEAST 250,000 PSI. THE CONTRACTOR HAS THE OPTION OF USING A FLEXURAL MODULUS OF 400,000 PSI AT NO ADDITIONAL COST TO THE CITY. THE FLEXURAL MODULUS SHALL BE IN CONFORMANCE WITH ASTM D790. THE CURED-IN-PLACE LINER THICKNESS SHALL CONFORM TO THE FOLLOWING VALUES:

PIPE DIAMETER	250,000 PSI	400,000 PSI
12 IN	7.5 MM/0.30 IN	7.5 MM/0.30 IN
15 IN	9.0 MM/0.35 IN	9.0 MM/0.35 IN
18 IN	10.5 MM/0.41 IN	9.0 MM/0.35 IN
48 IN	27.0 MM/1.06 IN	24.0 MM/0.94 IN

IF HIGHER STRENGTH FLEXURAL MODULUS OF GREATER THAN 400,000 PSI IS USED, THE CONTRACTOR SHALL SUBMIT THE LINER THICKNESS COMPUTATION TO CONSTRUCTION ENGINEER FOR APPROVAL FROM ENVIRONMENTAL ENGINEERING SECTION. THE LINER THICKNESS SHALL BE CONSISTENT THROUGHOUT THE PROJECT LIMITS. THE CONTRACTOR SHALL SUBMIT INDEPENDENT THIRD-PARTY TEST RESULTS SHOWING THE SHORT-TERM FLEXURAL MODULUS OF THE PRODUCT TO BE USED TO THE CONSTRUCTION ENGINEER. THE TESTING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER SEWER CURED-IN-PLACE LINING.

- THE CONTRACTOR MUST SUBMIT * INDEPENDENT THIRD-PARTY TEST RESULTS OF LINER FLEXURAL MODULUS AND PRODUCT DATA FOR MANHOLE LINING MATERIAL* TO THE CONSTRUCTION ENGINEER AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF LINING WORK FOR REVIEW AND APPROVAL BY THE ENVIRONMENTAL ENGINEERING SECTION (EES).

THE ACTUAL INSTALLED CURED-IN-PLACE LINER (CIPP) THICKNESS FOR EACH SEWER SIZE SHALL BE VERIFIED THROUGH FIELD SAMPLING. FIELD SAMPLING FOR CURED-IN-PLACE LINING METHOD SHALL BE ACCORDING TO ASTM F-1216. FOLLOWING THE CURING AND COOLING OF THE INSTALLED LINER, THE CONTRACTOR SHALL REMOVE LINER SAMPLES AT LOCATIONS DETERMINED BY THE CONSTRUCTION ENGINEER AND/OR CITY INSPECTOR. THE SAMPLES SHALL BE CLEARLY LABELED WITH THE DATE, TIME OF DAY, DURATION OF CURING, AND LOCATION OF THE SAMPLE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER CURED-IN-PLACE LINING. THE CONTRACTOR MUST ALSO SUBMIT INDEPENDENT THIRD-PARTY TEST RESULTS OF THE LINER PIPE SAMPLES TO THE CONSTRUCTION ENGINEER TO HAVE ON RECORD.

- A SCHEDULE OF WATER AND HYDRANT SERVICE CHARGES OF MILWAUKEE WATER WORKS EFFECTIVE DECEMBER 15, 2014 (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 METER SERVICES 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 CURED-IN-PLACE LINING.

THE CONTRACTOR MAY USE EXISTING MANHOLES AS WORKSHAFTS. IF REQUIRED, THE CONTRACTOR SHALL REMOVE THE CORBEL OF THE EXISTING MANHOLE FOR CONSTRUCTION PURPOSES. THE CONTRACTOR SHALL REPLACE THE CORBEL SECTION AFTER THE COMPLETION OF CONSTRUCTION WORK. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER CURED-IN-PLACE LINING. THE COST OF ANY ADDITIONAL SHAFT NECESSARY TO PERFORM THE LINING WORK SHALL BE INCLUDED IN UNIT PRICE BID FOR THE RESPECTIVE DIAMETER CURED-IN-PLACE LINING.

- MANHOLE NUMBER 396B015, ON PLAN FILE NO. 229-34, SHALL NOT BE EXCAVATED DUE TO THE DECORATIVE PAVEMENT AT NORTH BROADWAY. THE CONTRACTOR SHALL USE EXTREME CAUTION NOT TO DAMAGE THE PAVEMENT AROUND THE MANHOLE DURING THE CURED-IN-PLACE LINER INSTALLATION.

- 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 CURED-IN-PLACE LINING.
- IF THE CONTRACTOR SELECTS TO DIVERT FLOW TO MILWAUKEE METROPOLITAN (MMSD) FACILITIES TO COMPLETE SEWER INSTALLATION, THE CONTRACTOR IS REQUIRED TO SUBMIT A FLOW DIVERSION PLAN AND TIMELINE FOR PUMPING INTO ANY METROPOLITAN INTERCEPTING SEWER (MIS) STRUCTURE(S) TO THE CITY OF MILWAUKEE. THE CITY OF MILWAUKEE IS THEN REQUIRED TO SUBMIT A FLOW DIVERSION PLAN TO MMSD FOR THEIR APPROVAL. NO FLOW DIVERSION SHALL TAKE PLACE WITHOUT OBTAINING WRITTEN APPROVAL FROM MMSD. PENALTY SHALL BE IMPOSED BY THE CITY IF THE CONTRACTOR FAILS TO COMPLY WITH THIS REQUIREMENT. ADDITIONAL PENALTIES MAY BE IMPOSED BY THE CITY FOR NON-COMPLIANCE. PENALTIES WILL BE IMPOSED BY MMSD OR WISCONSIN DEPARTMENT OF NATURAL RESOURCES (DNR).

IF ANY ADDITIONAL INFORMATION IS REQUIRED FROM MMSD, OR TO OBTAIN ACCESS TO MMSD STRUCTURE, THE CONTRACTOR MAY CONTACT LARRY ANDERSON OF MMSD AT (414) 225-2241. ANY DEVIATION, CHANGE IN LOCATION, OR TIMELINE OF THE DISCHARGE FROM THE PLAN SUBMITTED MUST BE RESUBMITTED TO THE CITY OF MILWAUKEE WITH OBTAINING THE NECESSARY PERMITS. ALL COSTS ASSOCIATED WITH COMPLETING AND SUBMITTING A FLOW DIVERSION PLAN SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED CURED-IN-PLACE LINING WORK.

THE CONTRACTOR SHALL CONTACT THE MILWAUKEE METROPOLITAN SEWERAGE DISTRICT (MMSD) PRIOR TO ENTERING INTO ANY MMSD OWNED STRUCTURES AND OBTAIN THE NECESSARY PERMITS. ALL COSTS ASSOCIATED WITH OBTAINING THE NECESSARY PERMITS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER CURED-IN-PLACE LINING.

ANY MATERIAL REMOVED FROM THE BOX SEWER DURING THE SEWER CLEANING WORK SHALL BE DISPOSED OF BY THE CONTRACTOR AT A NATURAL RESOURCES (DNR) SITE. ALL COSTS ASSOCIATED WITH CLEANING THE SEWER AS WELL AS THE DISPOSAL OF ANY MATERIAL AT AN APPROVED DNR SITE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE COMBINED SEWER CLEANING.

AT LEAST THREE DAYS IN ADVANCE OF ANY CURED-IN-PLACE LINER INSTALLATION, THE CONTRACTOR SHALL CONTACT THE MILWAUKEE FIRE DEPARTMENT (MFD) AT 414-286-8999. THE CONTRACTOR SHALL PROVIDE THE DUTY SUPERVISOR A PROJECT MAP AND DESCRIPTION INCLUDING MATERIAL SAFETY DATA SHEET (MSDS) DETAIL SHEET REGARDING THE RESPECTIVE SEWER AND MANHOLE LINING PROJECT.

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 BID PRICE FOR THE MANHOLE. 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 BID PRICE 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 DEPTHS SHOWN ON THE PLAN. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 3-5.4 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL REMOVE THE EXISTING BRICK 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.

SHEET 1 OF 4 IS PLAN FILE NO. 229-34
SHEET 2 OF 4 IS PLAN FILE NO. 229-35
SHEET 3 OF 4 IS PLAN FILE NO. 229-36
SHEET 4 OF 4 IS PLAN FILE NO. 243-74

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

SPECIAL PROVISIONS
E.W. SAINT PAUL AVENUE
N. BROADWAY
N. 4TH STREET

IN FROM TO		
SCALE	N.T.S.	
1/4 SEC. NO.	396.397	
PLAN DATE		DESIGN ENGINEER
DESIGNED BY	J. BARMAN	
DRAWN BY	R. PEREZ	ENGINEER IN CHARGE
CHECKED BY	J. RADOMSKI	
SYSTEM NO.		02-29-2016
EASEMENT NO.	CITY ENGINEER & SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS	
CONTRACT NO.	PROJECT NO. 1	C.C. FILE NO. 151522
PROJ. ID.	SM495110305	OFF. NOTICE NO. 35-2016 DATE ADOPTED 3-1-2016



CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND BEFORE YOU DIG. WISCONSIN STATUTE (82.0715) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

NO	BY	REVISION	DATE

AS BUILT CONTRACT NO. DATE ENT'D.

ENT'D. BY