

SPECIAL PROVISIONS FOR PLAN FILE NUMBER 238-23, 238-24, 238-35, 238-89, 238-90, 238-91, 239-18, 239-27, 239-55 AND 239-56 ONLY.

1. STANDARD SPECIAL PROVISIONS, PLAN FILE NUMBER 52-4-51, DATED MAY 1, 2013 (OR LATEST REVISION THERE OF), ARE PART OF THIS CONTRACT.
2. THIS PROJECT HAS BEEN SUBMITTED TO THE MILWAUKEE METROPOLITAN SEWERAGE DISTRICT (MMSD) AND THE DEPARTMENT OF NATURAL RESOURCES (DNR) FOR APPROVALS. NO WORK SHALL BE PERFORMED ON THIS CONTRACT UNTIL MMSD AND DNR APPROVALS HAVE BEEN OBTAINED. APPROVALS ARE CURRENTLY ANTICIPATED TO BE OBTAINED BY FEBRUARY 20TH, 2015; HOWEVER THERE IS NO GUARANTEE OF SAME. THE CONSTRUCTION ENGINEER SHALL CONTACT MR. PATRIK COE (MMSD) AT (414) 229-2219 TO CONFIRM THAT THE APPROVALS HAVE BEEN GRANTED.
3. THE WORK IN WEST NORTH AVENUE FROM NORTH 30TH STREET TO 85 FEET EAST OF NORTH 31ST STREET SHALL BE COMPLETED BY APRIL 17. ALL OTHER WORK SHALL BE COMPLETED BY JUNE 30, 2015. ALL WORK SHALL BE CONTINUOUS AND THE NUMBER OF ALLOWABLE WORKDAYS IS 65 DAYS. 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.
4. 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 NOTICES 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 BE COMPLETED UNTIL THE NOTICE REQUIREMENT. ANY DELAY IN CONTRACT COMPLETION AS A RESULT OF NON-COMPLIANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. 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. VIDEO 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 VIDEOS.
6. 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 SHEET (MMSD) DETAIL REGARDING THE RESPECTIVE SEWER AND MANHOLE LINING PROJECT.
7. THE CONTRACTOR SHALL POST CITY OF MILWAUKEE PROJECT IDENTIFICATION 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.
8. 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 SMELL 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 CONNECTIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT NO ACTIVE BUILDING SEWERS ARE CONNECTED TO THE MAIN SEWERS OR MANHOLES TO BE ABANDONED PRIOR TO THEIR ABANDONMENT. THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION ENGINEER FOR ACTIVE BUILDING SEWERS ARE CONNECTED TO ANY PROPOSED SEWER ABANDONMENT.
10. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MAINTAIN SEWER SERVICE USAGE THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE CONSTRUCTION SECTION OF THE CITY AND ALL THE AFFECTED RESIDENTS WHOSE SERVICE LATERALS WILL NOT BE FUNCTIONAL AND TO AVOID WATER USAGE UNTIL THE SEWER MAIN IS BACK TO SUCH NOTIFICATION SHALL BE PROVIDED TO THE INDIVIDUAL RESIDENT AND THE CONSTRUCTION ENGINEER AT LEAST ONE WEEK PRIOR TO SERVICE DISCONNECTIONS. IN INSTANCES WHERE SERVICE DISCONNECTION IS NOT PRACTICAL OR ALLOWABLE, THE CONTRACTOR SHALL MAKE THE FOLLOWING PROVISIONS:

IF POSSIBLE, ALL SEWER SERVICE CONNECTIONS (LATERALS) SHALL BE RESTORED TO OPERATION WITHIN 24 HOURS. WHEN THE RE-ESTABLISHMENT OF SEWER SERVICE CONNECTIONS IS ANTICIPATED TO TAKE LONGER THAN 24 HOURS, THE CONTRACTOR SHALL INCLUDE AN ACCOMMODATION ALLOWANCE IN THE AMOUNT OF \$8,000.00 AS PER BID ITEM "ACCOMMODATION ALLOWANCE".

THE ABOVE ALLOWANCE SHALL ONLY BE USED FOR THE PURPOSE OF PROVIDING ACCOMMODATIONS TO ALL THE AFFECTED RESIDENTS DURING THE INSTALLATION OF THE CURED-IN-PLACE LINER AS DESCRIBED ABOVE.

WHENEVER COSTS ARE MORE THAN OR LESS THAN ALLOWANCES, THE CONTRACT SUM SHALL BE ADJUSTED ACCORDINGLY BY CHANGE ORDERS. THE AMOUNT OF THE CHANGE ORDER SHALL REFLECT THE DIFFERENCE BETWEEN ACTUAL COSTS AND THE ALLOWANCE. THE CONTRACTOR SHALL BE PAID BY THE CITY FOR THE REMAINING AMOUNT, IF THE ACTUAL AMOUNT IS MORE THAN THE ALLOWANCE. SIMILARLY, IF THE ACTUAL AMOUNT IS LESS THAN THE ALLOWANCE, THE CITY SHALL BE CREDITED ACCORDINGLY BY THE CONTRACTOR.

11. IN ADDITION TO THE ALLOWABLE 1-1/2 INCH GRADED AGGREGATE, AS PER TABLE 8.4.3.1 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) STANDARDS, 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.
12. 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 SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER SEWER RELAY, CLASS "C" BEDDING.
13. THE CONTRACTOR SHALL PROTECT AND SUPPORT THE EXISTING RESPECTIVE DIAMETER MAINS WITHIN THE PROJECT LIMITS WITH A TRENCH SHIELD, RAT HOLING, INCLUDING TUNNELING, AND TIGHT SHEETING AND BRACING. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED SEWER, CLASS "C" BEDDING.

SURVEY:
BOOK NO. 803, PP. 49-78
BM# HYD. @ NE CORNER OF W. NORTH AVENUE & N. 58TH STREET, N/W BOLT, YR. 1984 ELEVATION 179.20'
HYD. @ SE CORNER OF W. NORTH AVENUE & N. 57TH STREET, N/W BOLT, YR. 2004 ELEVATION 184.11'
HYD. @ NE CORNER OF W. NORTH AVENUE & N. 56TH STREET, N/W BOLT, YR. 2007 ELEVATION 188.6'
5201 W. NORTH AVENUE NORTHEASTERLY CORNER OF STONE BASE FOR BRICK PILLAR 1.10' ABOVE WALK ELEVATION 176.81'
HYD. @ NW CORNER OF W. NORTH AVENUE & N. 51ST STREET, N/W BOLT, YR. 1956 ELEVATION 173.57'
HYD. @ SE CORNER OF W. NORTH AVENUE & N. 49TH STREET, N/W BOLT, YR. 2007 ELEVATION 156.38'

LINE CODE LEGEND

GAS	G	SANITARY SEWER	SAN	STREET LIGHTING	---
ELECTRIC	E	STORM SEWER	STO	PAVING LIMITS	---
TELEPHONE	T	COMBINED SEWER	CS	TRAFFIC SIGNAL	---
CABLE TELEVISION	TV	SEW. DISTRICT SEWER	MMSD	FENCE	---
FIBER OPTICS	FO	WATER MAIN	W	HYDRANT	---
CITY UNDERGROUND CONDUIT	UC	SEWER/WATER 24" & OVER	---	ALUMINUM 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.

14. THE CONTRACTOR SHALL INSTALL A REPLACEMENT VALVE BOX IF A VALVE BOX IS DAMAGED OR REMOVED DURING SEWER WORK WHEN RELAYING THE 15-INCH DIAMETER SEWER MAIN BETWEEN MANHOLE NUMBERS 329C01 AND 32C040 IN NORTH 58TH STREET. ALL MATERIALS SHALL BE OBTAINED FROM MILWAUKEE WATER WORKS FIELD OPERATIONS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE 15-INCH DIAMETER COMBINED SEWER RELAY, CLASS "C" BEDDING.
15. THE CONTRACTOR SHALL NOT RECONNECT OR REESTABLISH ANY HYDRANT DRAIN CONNECTIONS TO THE PROPOSED SEWER MAIN.
16. 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, 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. ENO-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.
17. 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 DIAMETER COMBINED SEWER, CLASS "C" BEDDING.
18. THERE ARE VARIOUS OVERHEAD WIRES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION OF OVERHEAD UTILITIES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER SEWER RELAY, CLASS "C" BEDDING.
19. THE CONTRACTOR SHALL MAINTAIN LOCAL TRAFFIC AND ACCESS TO ALL ADJOINING PROPERTIES AT ALL TIMES.
20. 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.
21. ALL SIGNS USED FOR TRAFFIC CONTROL SHALL MEET THE NEW NATIONAL REQUIREMENTS FOR SIGN RETROREFLECTIVITY STANDARDS.
22. 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.
23. WEST NORTH AVENUE AND NORTH 60TH STREET ARE 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.
24. 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.
25. THE CONTRACTOR SHALL PROVIDE THE CITY WITH TWO (2) COPIES OF A POST-INSTALLATION DVD EXAMINATION AND REPORT OF THE SEWER. 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. THE COST OF THIS WORK FOR THE PROPOSED COMBINED SEWER LINING SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RESPECTIVE DIAMETER COMBINED IN-PLACE LINING.
26. THE PAVEMENT REPLACEMENT IN WEST NORTH 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.
27. THE CONTRACTOR SHALL CONTACT GIANA BIANCHI, THE MILWAUKEE FRENCH IMMERSION SCHOOL ADMINISTRATOR, AT (414) 874-8405 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE BEGINNING OF WORK ON THIS PROJECT. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE SCHOOL ADMINISTRATOR AND NOT INTERFERE WITH THE NORMAL WEEKDAY OPERATION OF THE SCHOOL.
28. PRIOR TO ORDERING ANY MATERIAL FOR THE CURED-IN-PLACE LINING THE CONTRACTOR SHALL VERIFY THAT ALL SEWER RELAYS THAT ARE PROPOSED TO BE CURED-IN-PLACE LINED, IF A LINER CANNOT BE INSTALLED IN THE PIPE DUE TO DEFECTS, OR THE PIPE WORKS 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 ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RESPECTIVE DIAMETER CURED-IN-PLACE LINING.

FOR SPECIAL PROVISIONS SEE PLAN FILE NO. 239-67
SHEET NO. 1 OF 11 IS PLAN FILE NO. 238-23
SHEET NO. 2 OF 11 IS PLAN FILE NO. 238-24
SHEET NO. 3 OF 11 IS PLAN FILE NO. 238-25
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29. THE MINIMUM FLEXURAL MODULUS FOR THE RESPECTIVE DIAMETER SEWER LINING SHALL BE AT LEAST 250,000 PSI; HOWEVER, THE CONTRACTOR HAS THE OPTION OF USING A FLEXURAL MODULUS OF 400,000 PSI AT NO ADDITIONAL COST TO THE CITY. 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 6.0 MM/0.24 IN
15 IN 9.0 MM/0.35 IN 7.5 MM/0.30 IN
24 IN 12.0 MM/0.47 IN 10.5 MM/0.41 IN
30 IN 13.5 MM/0.53 IN 12.0 MM/0.47 IN
36 IN 31.5 MM/1.24 IN 27.0 MM/1.06 IN
30. 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 COMBINED CURED-IN-PLACE LINING.
31. 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 BID PRICE FOR THE RESPECTIVE DIAMETER CURED-IN-PLACE LINING.
32. THE CONTRACTOR MAY USE EXISTING MANHOLES AS WORKSHAFTS. IF THE CONTRACTOR SHALL REMOVE THE CORBEL OF THE EXISTING MANHOLE FOR CONSTRUCTION PURPOSES, THE CONTRACTOR SHALL RE-PLACE 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 COMBINED CURED-IN-PLACE LINING.
33. THE CONTRACTOR WILL BE REQUIRED TO HANDLE ALL FLOW DURING THE INSTALLATION OF THE CURED-IN-PLACE LINING. THE COST OF BYPASSING AND PUMPING THE FLOW THROUGH THE EXISTING IN-PLACE LINING.
34. FOR THE RESPECTIVE DIAMETER SEWER REPAIR, 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 FLOWLINES. IF PVC PIPE IS USED, THE CONTRACTOR SHALL CONNECT THE TWO CUT PIECES OF PIPE WITH A FERROCEMENT. 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 THIS MAY REQUIRE DETAIL DATA. THE COST OF ANY DETAIL LINES OF BOTH THE EXISTING AND NEW PIPES. THE CONTRACTOR SHALL HOTLINE ALL UTILITIES PRIOR TO THE START OF THE REPAIR WORK. THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL OF THE EXISTING UTILITIES WHEN REPAIRING THE SEWER. ALL REPAIR UTILITIES FOR SEWER REPAIR ARE ESTIMATED AND MUST BE APPROVED BY THE CONSTRUCTION ENGINEER. 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 PRICE BID FOR THE RESPECTIVE DIAMETER SEWER REPAIR, CLASS "C" BEDDING.
35. RAILS AND/OR TIES WHICH INTERFERE WITH NORMAL SEWER CONSTRUCTION SHALL BE REMOVED AND WILL BECOME THE PROPERTY OF THE CONTRACTOR.
36. MANHOLE 326C022 ON PLAN SHEET 239-18 HAS AN EXISTING INSIDE DROP CONNECTION. CONTRACTOR SHALL TAKE EXTREME PRECAUTION WHEN PERFORMING THE MANHOLE LINING WORK. ANY DAMAGE TO THE EXISTING INSIDE DROP CONNECTION DUE TO CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
37. IT SHOULD BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE LOCATION(S) OF ANY SEWER REPAIR LISTED ON THE SEWER PLANS(S). ANY SEWER REPAIR VERIFICATION SHALL BE DONE PRIOR TO THE ORDERING OF MATERIALS OR BEFORE ANY RESPECTIVE EXCAVATION WORK IS EXECUTED. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER SEWER REPAIR, CLASS "C" BEDDING.
38. THE CONTRACTOR SHALL CONSTRUCT CONCRETE COLLARS FOR ANY RESPECTIVE DIAMETER SEWER REPAIR FOR SEWER 30-INCH IN DIAMETER OR GREATER. THE CONCRETE COLLARS SHALL BE CONSTRUCTED USING CLASS "D" CONCRETE AND BE A MINIMUM THICKNESS OF 12-INCHES AND EXTEND A MINIMUM LENGTH OF 36-INCHES ON CENTERED ON THE TRANSITION POINT OF THE PIPE. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION AND PLACING OF THE CONCRETE COLLARS AS DESCRIBED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER SEWER REPAIR, CLASS "C" BEDDING. ALL REPAIR WORK SHALL BE COMPLETED PRIOR TO CURE-IN-PLACE LINING WORK BEGINS.
39. THERE IS MILWAUKEE WATER WORKS RELAY AND CIPP LINING WORK IN WEST NORTH AVENUE FROM NORTH 30TH STREET TO NORTH 31ST STREET. THIS WORK IS EXPECTED TO GO OUT FOR BID IN FEBRUARY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE SEWER RELAY AND LINING WORK WITH THE WATER RELAY AND 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 RESPECTIVE DIAMETER RELAY AND LINING WORK.

SPECIAL PROVISIONS APPLICABLE FOR MANHOLE LINING:

40. 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.
41. 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.
42. 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.

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

SPECIAL PROVISIONS

IN FROM TO	W. NORTH AVENUE N. 60TH STREET W. LISBON AVENUE
IN FROM TO	N. 60TH STREET W. LLOYD STREET W. WRIGHT STREET
IN FROM TO	W. NORTH AVENUE N. 30TH STREET N. 31ST STREET

1/4 SEC. NO. 326,328,329,330	APPROVED	DATE
1/4 SEC. NO. 345,346,347,349	<i>Zafar Yousof</i>	1/9/2015
PLAN DATE 01/09/2015	DESIGNED BY	DESIGN ENGINEER
DESIGNED BY KRD/JB		
DRAWN BY A. GLATZEL	<i>Timothy J. Han</i>	1/9/2015
CHECKED BY RCT/RP		ENGINEER IN CHARGE
SYSTEM NO. 3016,3025		
CONTRACT NO.		1/9/2015
PROJ. ID. SM495140086	CITY ENGINEER & SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS	
PROJ. ID. SM495140082	PROJECT NO. 1	C.C. FILE NO. 141251
PROJ. ID. SM495140089	OFF. NOTICE NO. 011-2015	DATE ADOPTED 12-16-14

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

SHEET NO. 11 OF 11 PLAN FILE NO. 239-67