SPECIAL PROVISIONS FOR PLAN FILE NOS. 231-32, 231-33, AND 231-34, 231-35 AND 232-11 ONLY.

1. STANDARD SPECIAL PROVISIONS, (PLAN FILE NUMBER 52-4-51, REVISED AUGUST 22, 2011 OR LATEST REVISION THEREOF), ARE PART OF THIS CONTRACT.

2. COMMON COUNCIL AUTHORITY IS ANTICIPATED ON FEBRUARY 1, 2013. THE CONTRACT FOR THIS PROJECT SHALL NOT BE AWARDED UNTIL COMMON COUNCIL AUTHORITY IS OBTAINED. WORK ON THIS SEWER LINING PROJECT SHALL BE COMPLETED BY JUNE 1, 2013. THE WORK SHALL BE CONTINUOUS AND TOTAL MAXIMUM NUMBER OF ALLOWABLE WORKDAYS SHALL BE 80 DAYS. THE CONTRACTOR MAY BE REQUIRED TO WORK MULTIPLE SHIFTS WITH MULTIPLE CREWS INCLUDING WORKING ON SATURDAYS TO COMPLETE THE PROJECT BY THE COMPLETION DATE.

3. PURSUANT TO SECTION 7-15 OF THE MILWAUKEE CHARTER ORDINANCE, THE COMMISSIONER OF PUBLIC WORKS IS INVITING BIDS ON THIS PROJECT BASED UPON ALTERNATE CONSTRUCTION METHODS TO ASCERTAIN WHICH WILL BE IN THE BEST INTERESTS OF THE CITY OF MILWAUKEE. THE EXISTING 96-INCH DIAMETER COMBINED SEWERS ARE PROPOSED TO BE REHABILITATED WITH EITHER 84-INCH DIAMETER FIBER GLASS MORTAR LINER PIPES (SLIPLINING) OR 96-INCH DIAMETER CURED-IN-PLACE LINING.

4. THE CONTRACTOR HAS AN OPTION OF SLIP LINING THE EXISTING SEWER WITH FIBER GLASS MORTAR LINER PIPE (SLIPLINING) AS MANUFACTURED BY HOBAS PIPE USA OR APPROVED EQUAL. HEREINAFTER REFERRED TO AS SLIPLINER OR LINER PIPE, AND DESIGNATED AS ALTERNATE BID 'A'. THE SECOND OPTION CALLS FOR LINING THE EXISTING SEWER WITH CURED-IN-PLACE LINING, HEREINAFTER REFERRED TO AS CIP LINER, AND DESIGNATED AS ALTERNATE BID 'B'. BIDS FOR BOTH METHODS SHALL BE SUBMITTED AS A SEPARATE PROPOSAL. UPON OPENING AND REVIEW OF BIDS RECEIVED, THE CITY WILL DETERMINE THE PROJECT METHOD REFLECTING THE BEST INTEREST OF THE CITY. A CONTRACT MAY BE AWARDED TO THE LOWEST RESPONSIBLE BIDDER UNDER THAT METHOD. HOWEVER, THE CONTRACTORS ARE HEREBY ADVISED THAT THE ABSOLUTE LOW BIDDER, WHEN CONSIDERING ALL BIDS SUBMITTED, MAY NOT NECESSARILY BE AWARDED THE CONTRACT.

5. THE CONTRACTOR SHALL DEMONSTRATE THAT THEY HAVE CONSTRUCTED AT LEAST THREE SUCCESSFUL CURED-IN-PLACE LINER AND MANHOLE LINING PROJECTS, OR SLIP-LINING PROJECTS USING FIBERGLASS-MORTAR LINER PIPE OF SIMILAR SIZE, COMPLEXITY, AND SUBJECTED TO A SIMILAR ENVIRONMENT AS SPECIFIED IN THE CONTRACT DOCUMENTS AND PLANS. SUBMISSION OF THE STATEMENT OF EXPERIENCE INCLUDED IN THE DOCUMENTS SHALL ACCOMPANY THE BID. IF THE BIDDER FAILS TO MEET THIS EXPERIENCE REQUIREMENTS AS JUDGED BY THE CITY, THE CONTRACTOR'S BID WILL BE CONSIDERED NON RESPONSIVE AND SHALL BE REJECTED.

6. THE CONTRACTOR SHOULD VISUALLY INSPECT THE PROJECT SITES, MANHOLES IN THE FIELD, AND/OR VIEW THE AVAILABLE VIDEOTAPED EXAMINATIONS OF THE SEWER AND MANHOLES PRIOR TO BIDDING. PLEASE NOTE THAT THE EXISTING VIDEOTAPES DO NOT EXAMINE THE ENTIRE MANHOLE STRUCTURE. VIDEOTAPED 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 VIDEOTAPES.

7. PRIOR TO THE CONTRACT BEING AWARDED, THE SUCCESSFUL CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING. THE CONTRACTOR SHALL CONTACT MR. ZAFAR YOUSUF OF THE ENVIRONMENTAL ENGINEERING SECTION AT (414) 286-2467 AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE THE MEETING. THE CONTRACTOR SHALL BE PREPARED TO DISCUSS THE SCHEDULE OF CONSTRUCTION ACTIVITIES AND TO EXCHANGE ANY INFORMATION DEEMED NECESSARY TO ENSURE SUCCESSFUL COMPLETION OF THE PROJECT.

8. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUPPLY A TRAFFIC CONTROL PLAN OUTLINING TRAFFIC FLOW PATTERNS AROUND THE WORK ZONES AND ACCESS TO BUSINESSES AND RESIDENCES TO MR. JAMES BROWN OR MS. GERI SCHMIDT OF THE TRAFFIC OPERATIONS SECTION, MUNICIPAL BUILDING, ROOM 920. CONTACT MR. JAMES BROWN AT 286-3276, OR MS. GERI SCHMIDT AT 286-3632 WITH QUESTIONS REGARDING THE TRAFFIC CONTROL PLAN SUBMITTAL.

9. ALL SIGNS USED FOR TRAFFIC CONTROL SHALL MEET THE NEW NATIONAL REQUIREMENTS FOR SIGN RETROREFLECTIVITY STANDARDS.

10. THE CONTRACTOR SHALL PROTECT AND SUPPORT THE EXISTING UTILITIES, INCLUDING USING TIGHT SHEATHING AND BRACING, RAT HOLING OR TUNNELING UNDERNEATH THE EXISTING UTILITIES, IF REQUIRED WITHIN THE PROJECT LIMITS WHILE CONSTRUCTING THE WORKSHAFT FOR THE RESPECTIVE DIAMETER COMBINED SEWER LINING. THE COST OF SUPPORTING, RAT HOLING OR TUNNELING UNDER THE EXISTING UTILITIES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORKSHAFT.

11. IF A WATERMAIN ALTERATION IS NECESSARY DUE TO THE CONSTRUCTION OF THE WORKSHAFT, THE CONTRACTOR SHALL PROVIDE THE MILWAUKEE WATER WORKS WATER ENGINEERING SECTION WITH PLANS SHOWING THE LOCATION AND SIZE OF THE PROPOSED SHAFT AT LEAST FIFTEEN (15) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. THE WATER ENGINEERING SECTION WILL PREPARE CONSTRUCTION PLANS FOR EACH WATER MAIN ALTERATION. A DEPOSIT FOR THE DESIGN OF THE WATERMAIN ALTERATION IS NECESSARY AND SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE WORKSHAFT. MILWAUKEE WATER WORK DEPOSIT AMOUNTS ARE ESTIMATED TO BE $4,000 PER ALTERATION. THE CONTACT PERSON IN WATER ENGINEERING IS MR. MARK SCHELLER AT (414)286-2427. ALL THE COSTS ASSOCIATED WITH THIS WORK, INCLUDING DESIGN ENGINEERING, PLAN PREPARATION, AND CONSTRUCTION OF THE WATER MAIN RELOCATION SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE WORKSHAFT.

12. IF ALTERATIONS TO STREET LIGHTING FACILITIES, TRAFFIC SIGNALS, OR TRAFFIC SIGNALS CONTAINING VEHICLE DETECTOR LOOPS ARE NECESSARY DUE TO THE CONSTRUCTION OF THE WORKSHAFTS, THE CONTRACTOR SHALL CONTACT MR. ENG KIE LEE AT (414) 286-2174 OR JOE BONDOWSKI AT (414) 286-5162 RESPECTIVELY AT LEAST TEN (10) DAYS PRIOR TO THE START OF CONSTRUCTION. THE CONSTRACTOR SHALL TAKE OUT THE NECESSARY DEPOSIT FOR DESIGN AND CONSTRUCTION OF THE STREET LIGHTING AND SIGNAL ALTERATIONS. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE WORKSHAFT.

13. IF CITY OF MILWAUKEE UNDERGROUND CONDUIT OR COMMUNICATIONS FACILITY ALTERATIONS ARE NECESSARY DUE TO THE CONSTRUCTION OF THE WORKSHAFTS, THE CONTRACTOR SHALL CONTACT KAREN ROGNEY AT (414) 286-3243 OR MARK INGLES AT (414) 286-5971 AT LEAST TEN (10) DAYS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE OUT THE NECESSARY DEPOSIT FOR DESIGN AND CONSTRUCTION OF THE UNDERGROUND CONDUIT OR COMMUNICATION ALTERATIONS. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE WORKSHAFT.

14. THERE ARE VARIOUS OVERHEAD WIRES WITHIN THE PROJECT LIMITS THAT MAY REQUIRE TEMPORARY RELOCATIONS. THE COST OF ANY RELOCATION OF OVERHEAD UTILITIES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED SEWER LINING METHOD.

15. PRIOR TO THE INSTALLATION OF THE LINING, THE CONTRACTOR SHALL EXAMINE THE EXISTING COMBINED SEWER AND NOTE THE LOCATION OF ANY SEWER CONNECTIONS IN ORDER TO RE-CONNECT THEM TO THE REHABILITATED PIPE. ALL ACTIVE SEWER CONNECTIONS SHALL BE RE-CONNECTED. ALL COSTS ASSOCIATED WITH THE TELEVISING AND RECONNECTION SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RE-ESTABLISH 42-INCH DIAMETER CONNECTION.

16. THE CONTRACTOR SHALL SUPPORT CITY OF MILWAUKEE UNDERGROUND CONDUIT (CUC) 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 COMMUNICATION CABLES THAT MUST REMAIN IN SERVICE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE CITY OF MILWAUKEE FACILITIES. CONTACT THE CITY DISPATCHER AT (414) 286-3481 IMMEDIATELY IF DAMAGE OCCURS.

17. IN THE WORKSHAFT AREAS THE PAVEMENT SHALL BE REPLACED TO THE SAME KIND AS IT WAS PRIOR TO CONSTRUCTION. ALL COSTS ASSOCIATED WITH THE PAVEMENT REPLACEMENT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RESPECTIVE WORKSHAFT.

18. UPON COMPLETION OF ANY PAVEMENT RESTORATION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE ANY CENTERLINE, LANELINE AND ROAD MARKINGS DAMAGED DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL CONTACT MR. JIM BROWN AT (414)286-3276 FOR QUESTIONS ABOUT TYPE OR LOCATION OF MARKINGS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE WORKSHAFT.

19. THE CONTRACTOR SHALL MAINTAIN (1) 11-FOOT TRAFFIC LANE IN EACH DIRECTION OF NORTH 27TH STREET AT ALL TIMES. THE CONTRACTOR MAY HAVE TO DIVERT TRAFFIC TO THE OPPOSITE SIDE OF THE ROAD DURING CONSTRUCTION.

20. NORTH 27TH STREET AND WEST WISCONSIN AVENUE ARE MILWAUKEE COUNTY TRANSIT SYSTEM BUS ROUTES.

21. NORTH 27TH STREET IS STATE HIGHWAY 57.

22. WEST WISCONSIN AVENUE IS UNITED STATES HIGHWAY 18.

23. THE CONTRACTOR SHALL MAINTAIN LOCAL TRAFFIC AND ACCESS AT ALL TIMES TO BUSINESSES AND PROPERTY OWNERS/OCCUPANTS IN CONSTRUCTION AREA.

24. THE CONTRACTOR SHALL PROVIDE THE CITY WITH TWO (2) COPIES OF THE VIDEO RECORD OF ALL PHASES OF THE RESPECTIVE DIAMETER LINING METHOD INSTALLATION OPERATION, FROM THE CONDITION OF THE EXISTING SEWER TO THE FINISHED LINING INSTALLATION INCLUDING MANHOLE LINING WORK ON DIGITAL VIDEO DISCS. THESE DVDS SHALL BE PREPARED AS DIRECTED BY THE CONSTRUCTION ENGINEER TO ENSURE QUALITY CONTROL AND CONTRACT COMPLIANCE. THE CONTRACTOR SHALL ALSO PROVIDE THE CITY WITH THE POST INSTALLATION DVDS OF THE PROJECT. THESE DVDS 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 LINING METHOD.

25. 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 MR. EARL SMITH OF MILWAUKEE WATER WORKS AT (414) 286-3177 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 LINING METHOD.

26. NO WORKSHAFT SHALL BE CONSTRUCTED IN THE INTERSECTIONS OF NORTH 27TH STREET AND WEST WISCONSIN AVENUE, WEST MICHIGAN STREET AND WEST CLYBOURN STREET. NO WORK SHAFT SHALL BE CONSTRUCTED AT THE MMSD OWNED MANHOLE NUMBER 401A756.

27. EXCEPT AT THE ABOVE LOCATIONS WHERE WORKSHAFTS ARE NOT ALLOWED, THE CONTRACTOR SHALL DETERMINE THE SIZE AND LOCATION OF THE WORKSHAFTS AFTER THE UTILITIES HAVE BEEN HOT-LINED IN THE FIELD. THE COST OF SUPPORTING OR RELOCATING ANY UTILITY ON THE PROJECT DUE TO THE WORK SHAFTS CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORKSHAFT.

28. THE COST OF REMOVING AND REPLACING HIGH LEVEL SEWERS DUE TO THE CONSTRUCTION OF WORK SHAFTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK SHAFT.

29. GROUNDWATER MAY BE ENCOUNTERED DURING CONSTRUCTION OF THE WORKSHAFT. ANY GROUNDWATER PUMPING OR DEWATERING NECESSARY TO CONSTRUCT THE WORKSHAFT AND INSTALL THE RESPECTIVE DIAMETER LINER PIPE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE WORKSHAFT. ALL DEWATERING ACTIVITIES MUST BE APPROVED BY THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES.

30. IF THE CONTRACTOR CHOOSES TO INSTALL A WORKSHAFT WHERE NO MANHOLE EXISTS IN THE OPEN CUT AREA OF THE WORKSHAFT, THE CONTRACTOR SHALL INSTALL A REINFORCED CONCRETE ENCASED RESPECTIVE DIAMETER MONOLITHIC CONCRETE PIPE OR A RESPECTIVE DIAMETER CONCRETE ENCASED FIBERGLASS MORTAR LINER PIPE AND CONSTRUCT A REINFORCED CONCRETE COLLAR BETWEEN THE NEW PIPE AT THE EDGE OF THE WORKSHAFT AND THE EXISTING 96-INCH DIAMETER COMBINED SEWER. ALL DETAILS OF THE REINFORCEMENT AND CONCRETE ENCASEMENT IN THE WORKSHAFT AREA ARE SHOWN ON PLAN FILE NUMBER 231-32 AND 232-11. ALL COSTS ASSOCIATED WITH COSTRUCTION IN THE OPEN AREA OF THE WORKSHAFT, INCLUDING CONSTRUCTION OF THE CONCRETE COLLAR AND ALL LABOR COSTS OF FURNISHING AND INSTALLING THE MONOLITHIC REINFOCED CONCRETE PIPE OR CONCRETE ENCASED FIBERGLASS MORTAR IN THE OPEN CUT AREA OF THE WORKSHAFT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE WORKSHAFT.

31. IF THE CONTRACTOR CHOOSES TO INSTALL A WORKSHAFT WHERE THERE IS AN EXISTING MANHOLE, THE CONTRACTOR SHALL REPLACE THE EXISTING MANHOLE WITH A 10'-0" DIAMETER COMBINED MANHOLE. ALL COSTS ASSOCIATED WITH THE INSTALLATION OF THE MANHOLE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE WORKSHAFT.

32. A FLAT TOP SLAB IS REQUIRED FOR THE PROPOSED 10'-0" DIAMETER COMBINED MANHOLE. THE FLAT TOP SLAB SHALL BE AT LEAST 24-INCHES ABOVE THE CROWN OF THE 96-INCH DIAMETER BRICK PIPE. THE CONTRACTOR SHALL BUILD A 'U' SHAPED CLASS 'D' CONCRETE BENCH TO THE HEIGHT OF THE SPRING LINE OF THE 96-INCH DIAMETER BRICK SEWER. THE COST OF THE FLAT TOP SLAB AND BUILDING A CLASS 'D' CONCRETE BENCH SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE WORKSHAFT.

33. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS FOR THE MANHOLE AND PROPOSED FLAT TOP SLAB OF THE NEW 10'-0" DIAMETER COMBINED MANHOLE FOR REVIEW BY THE CONSTRUCTION ENGINEER AND THE ENVIRONMENTAL ENGINEERING SECTION. DESIGN CALCULATIONS AND DRAWINGS SHALL BE COMPUTED, SIGNED, AND STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WISCONSIN. THE CITY WILL REQUIRE AT LEAST TEN (10) WORKING DAYS TO REVIEW ANY DESIGN CALCULATIONS AND DRAWINGS. NO WORK INVOLVING THE MANHOLE CONSTRUCTION SHALL START PRIOR TO DESIGN AND DRAWING REVIEW FROM THE ENVIRONMENTAL ENGINEERING SECTION. THE ENTIRE COST OF PLAN PREPARATION AND APPROVAL FOR THE PROPOSED FLAT TOP SLAB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORKSHAFT.

34. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS FOR THE PROPOSED WORKSHAFT FOR REVIEW BY THE CONSTRUCTION ENGINEER AND THE ENVIRONMENTAL ENGINEERING SECTION. DESIGN CALCULATIONS AND DRAWINGS SHALL BE COMPUTED, SIGNED, AND STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WISCONSIN. THE CITY WILL REQUIRE AT LEAST TEN (10) WORKING DAYS TO REVIEW ANY DESIGN CALCULATIONS AND DRAWINGS. NO WORK INVOLVING THE SHAFT CONSTRUCTION AND REPLACING THE EXISTING SEWER IN OPEN CUT AREA OF THE PROPOSED SHAFT SHALL START PRIOR TO DESIGN AND DRAWING REVIEW FROM THE ENVIRONMENTAL ENGINEERING SECTION. THE ENTIRE COST OF PLAN PREPARATION AND APPROVAL FOR THE PROPOSED SHAFT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORKSHAFT.

35. IF THE CONTRACTOR REQUIRES ANY ADDITIONAL WORK SHAFTS FOR CONSTRUCTION PURPOSES, THE COST OF CONSTRUCTING THE ADDITIONAL WORK SHAFTS AND RESTORING THE SEWER AND THE WORK SHAFT AREA SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER LINER METHOD.

36. THE PRECISE ALIGNMENT AND DIMENSIONS OF THE EXISTING 96-INCH DIAMETER COMBINED SEWER IS UNKNOWN. THE EXISTING BRICK SEWER CHANGES IN ALIGNMENT FROM APPROXIMATELY 80 FEET TO 180 NORTH OF MANHOLE 401A044. PRIOR TO ORDERING THE CURED-IN-PLACE LINER OR THE FIBER GLASS LINER PIPE (SLIPLINING) FROM THE MANUFACTURER, THE CONTRACTOR SHALL VERIFY THAT THE INTERNAL DIMENSIONS THROUGHOUT THE SEWER AND THE HORIZONTAL AND VERTICAL ALIGNMENTS OF THE SEWER ARE WITHIN A RANGE ACCEPTABLE FOR THE INSTALLATION OF THE RESPECTIVE DIAMETER LINING METHOD. THE CONTRACTOR SHALL SURVEY THE INTERIOR OF THE EXISTING SEWER, PULL A TEST PIPE SECTION THROUGH THE EXISTING SEWER IF NECESSARY, OR PERFORM A COMBINATION THEREOF TO VERIFY THAT THE INSTALLATION OF THE PROPOSED CURED-IN-PLACE LINER OR THE FIBER GLASS LINER PIPE (SLIPLINING) AS SHOWN ON THE PLAN IS FEASIBLE. ALL COSTS ASSOCIATED WITH THE TESTING, AND ANY EXTRA MATERIAL OR LABOR DUE TO A CHANGE IN DIAMETER OR ALIGNMENT, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER LINING METHOD.

37. THE CONTRACTOR SHALL BACKFILL THE ENTIRE AREA OF THE WORK SHAFT WITH SLURRY BACKFILL. THE COST OF SLURRY BACKFILL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK SHAFT.

38. SOIL SPOILS FROM ANY WORK SHAFT LOCATED IN THE ROADWAY SHALL BE HAULED AWAY FROM THE PROJECT SITE AND PROPERLY DISPOSED OF. THE COST OF TRUCKING AND DISPOSAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK SHAFT.

39. MANHOLE 401A096 SHALL BE ABANDONED USING SLURRY BACKFILL ONLY PRIOR TO THE LINING OF THE 96-INCH COMBINED SEWER AS SHOWN ON PLAN FILE NUMBER 231-33. THE CONTRACTOR SHALL PLACE BRICK OR BLOCK BULKHEADS PRIOR TO DOING ANY WORK. THE CONTRACTOR SHALL VERIFY THAT THERE ARE NO ACTIVE LATERALS OR SEWERS CONNECTED TO THE MANHOLE PRIOR TO ABANDONMENT. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR BULKHEAD AND ABANDON 1 COMBINED SEWER MANHOLE (DEEP).

40. THE CONTRACTOR WILL BE REQUIRED TO HANDLE ALL FLOW DURING CONSTRUCTION. THE CONTRACTOR SHALL BYPASS THE FLOW FROM THE EXISTING 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 BID PRICE FOR THE RESPECTIVE DIAMETER LINING METHOD.

41. ONCE THE CONTRACT HAS BEEN AWARDED, THE SUCCESSFUL CONTRACTOR IS REQUIRED TO SUBMIT A FLOW DIVERSION PLAN (NOTICE OF INTENT) AND TIMELINE FOR PUMPING INTO ANY MILWAUKEE INTERCEPTING SEWER STRUCTURE(S) TO THE CITY OF MILWAUKEE. THE BID DOCUMENTS, THE CITY OF MILWAUKEE IS THEN REQUIRED TO SUBMIT A FLOW DIVERSION PLAN TO MMSD FOR THEIR APPROVAL. THE CONTRACTOR SHALL CONTACT MR. LARRY ANDERSON OF MMSD AT (414) 225-2241 TO OBTAIN INFORMATION ON SUBMITTING A FLOW DIVERSION PLAN. ANY CHANGE IN THE DISCHARGE LOCATION, OR TIMELINE OF THE DISCHARGE FROM THE PLAN SUBMITTED MUST BE RESUBMITTED TO THE CITY OF MILWAUKEE FOR APPROVAL FROM MMSD. ALL THE COST ASSOCIATED WITH COMPLETING AND SUBMITTING OF A FLOW DIVERSION PLAN SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER LINING METHOD.

42. AFTER THE AWARD OF THIS CONTRACT, THE CONTRACTOR SHALL MAIL A NOTICE OF THE PROJECT TO ALL AFFECTED AREA RESIDENTS AND BUSINESSES REGARDING THE PROJECT WITHIN 10 BUSINESS WORKING DAYS. 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 WILL BE INCLUDED IN THE CONTRACT DOCUMENT. THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RESPECTIVE DIAMETER LINING METHOD.

43. IF THE CONTRACTOR CHOOSES TO LINE THROUGH MMSD OWNED MANHOLE NUMBER 401A756, THE SUCCESSFUL CONTRACTOR IS REQUIRED TO SUBMIT A CONSTRUCTION SCHEDULE, A CONSTRUCTION PLAN FOR THE WORK WITHIN MANHOLE 401A756 INCLUDING THE TIMEFRAME TO BE USED, WEATHER PLAN TO PROTECT MANHOLE 401A756 AND A WET WEATHER PLAN WHICH INCLUDES A PROCESS FOR DECISION MAKING TO THE CITY OF MILWAUKEE FOR SUBMITTAL TO MMSD. THE CONTRACTOR SHALL DEVELOP A PLAN WHICH KEEPS THE MMSD FACILITY OPERATIONAL DURING THE INSTALLATION PROCESS. NO WORK SHALL BE PERFORMED WITHIN MANHOLE 401A756 PRIOR TO APPROVAL OF THE CONSTRUCTION PLAN FROM MMSD. ALL COSTS ASSOCIATED WITH THE DEVELOPMENT OF THIS CONSTRUCTION PLAN SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RESPECTIVE DIAMETER LINING METHOD.

44. THE CONTRACTOR SHALL TAKE EXTREME CAUTION WHILE WORKING WITHIN OR AROUND MANHOLE 401A756. ANY DAMAGE DEEMED TO BE CAUSED BY THE NEGLIGENCE OF THE CONTRACTOR TO MANHOLE 401A756 SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SPECIFICATIONS PROVIDED BY MMSD.

45. THE CONTRACTOR SHALL PROVIDE THE CITY WITH 'AS-BUILT' FLOW LINE ELEVATIONS AT EACH MANHOLE AFTER THE COMPLETION OF THE RESPECTIVE DIAMETER LINING METHOD. THE COST OF PROVIDING THE 'AS-BUILT' ELEVATIONS AT THESE LOCATIONS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER LINING METHOD.

46. THE CONTRACTOR USING THE RESPECTIVE DIAMETER LINING METHOD SHALL MAINTAIN THE SLOPE OF THE EXISTING SEWERS DURING AND AFTER CONSTRUCTION.

47. THE CURED-IN-PLACE LINING AND FIBER GLASS MORTAR LINER (SLIPLINING) SHALL BE PLACED THROUGH THE SPRING LINE IN EXISTING MANHOLES WITH THE EXCEPTION OF MANHOLES 401A756 AND 401A034.

48. ACTIVE LEAKS DUE TO GROUND WATER INFILTRATION ARE PRESENT AT VARIOUS LOCATIONS IN THE EXISTING COMBINED SEWER TO BE REHABILITATED. PRIOR TO THE INSTALLATION OF THE RESPECTIVE DIAMETER LINING METHOD, THE CONTRACTOR SHALL VIEW THE VIDEOTAPE AND NOTE WHERE ACTIVE INFILTRATION LEAKS ARE OCCURRING. ALL ACTIVE LEAKS AND INFILTRATION MUST BE STOPPED AND FIXED WITH PROVEN CONSTRUCTION METHODS APPROVED BY THE CONSTRUCTION ENGINEER. AT THESE LOCATIONS, THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER LINING METHOD.

49. THE CONTRACTOR MAY ENCOUNTER CONTAMINATED SOILS DURING EXCAVATION. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS CONTROLLING POLLUTION OF THE ENVIRONMENT, INCLUDING OBTAINING AND EXECUTING ALL PERMITS REQUIRED. IF CONTAMINATED SOIL IS ENCOUNTERED, MARGARET BURNETT OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES SHALL BE CONTACTED AT (414) 263-8500. THE HANDLING, STORAGE AND DISPOSAL OF SUCH SOIL SHALL CONFORM TO THEIR REQUIREMENTS. ALL COSTS ASSOCIATED THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE WORKSHAFT.

50. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY NECESSARY FEDERAL AND STATE LICENSES, FORMS, AND/OR MANIFESTS IN REGARDS TO VEHICLES AND FOR TRANSPORTING CONTAMINATED MATERIAL OUT OF THE PROJECT CORRIDOR AND TO THE DISPOSAL FACILITY. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS FOR TRANSPORT OF THE MATERIAL. ALL COSTS ASSOCIATED THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE WORKSHAFT.

SPECIAL PROVISIONS APPLICABLE FOR MANHOLE LINING:

51. 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.

52. 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 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 BID PRICE FOR THE RESPECTIVE DIAMETER COMBINED CURED-IN-PLACE LINING.

53. 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 TO 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 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.

54. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS FOR THE APPLIED THICKNESS OF THE LINING FOR ALL MANHOLES FOR REVIEW BY THE CONSTRUCTION ENGINEER AND THE ENVIRONMENTAL ENGINEERING SECTION. THE ENTIRE COST OF SUBMITTING DESIGN CALCULATIONS FOR THE APPLIED THICKNESS OF THE LINING FOR ALL MANHOLES FOR REVIEW SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE LINING.

55. THE LINING OF THE CHAMBER AT MANHOLE 401A034 SHALL BE COMPLETED USING A CEMENTITIOUS GROUT LINER. THE CHAMBER HAS APPROXIMATE DIMENSIONS AS SHOWN ON PLAN FILE 20-31 WHICH HAS BEEN ATTACHED TO THE BID DOCUMENTS. THE EXACT DIMENSIONS OF THE CHAMBER ARE UNKNOWN. THE BARREL SECT