

<b>A</b>	<b>B</b>	<b>C</b>
15" COMBINED PVC/P	CLASS "C" BEDDING 18" COMBINED PVC/P	CLASS "C" BEDDING 8" STORM WATER DRAIN CLASS "C" BEDDING PVC/P

**SPECIAL PROVISIONS FOR PLAN FILE NUMBER 244-99 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) 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 DECEMBER 29, 2016. HOWEVER THERE IS NO GUARANTEE OF SAME. THE CONSTRUCTION ENGINEER SHALL CONTACT MR. ANDY KAMINSKI (MMSD) AT (414) 225-2219 TO CONFIRM THAT THE APPROVALS HAVE BEEN GRANTED.
- THIS PROJECT SHALL BE COMPLETED BY JUNE 16, 2017. ALL WORK SHALL BE CONTINUOUS AND THE NUMBER OF ALLOWABLE WORKDAYS IS 25 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.
- 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 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.
- 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. 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 UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED SEWER RELAY, CLASS "C" BEDDING.
- 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 CITY OF MILWAUKEE TO VERIFY THAT 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) 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.
- 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, RATHOLING, 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 AND 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 APPROVED BY THE STREET LIGHTING DEPARTMENT. THE CONTRACTOR SHALL PAY A SERVICE FEE OF APPROXIMATELY \$2,200 TO \$4,500 FOR EACH STREET LIGHTING ALTERATION. 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 BEFORE ANY STREET LIGHTING OR TRAFFIC SIGNAL ALTERATION WORK IS SCHEDULED. THE CONTRACTOR SHALL CONTACT MR. KYLE LEE AT (414) 286-2174 FOR ANY NECESSARY STREET LIGHTING ALTERATIONS. THE CONTRACTOR SHALL CONTACT MR. JOSEPH BONDOWSKI AT (414) 286-5162 FOR ANY 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) 286-5944.
- 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.
- THERE ARE VARIOUS OVERHEAD WIRES WITHIN THE PROJECT LIMITS THAT MAY REQUIRE TEMPORARY RELOCATION. THE COST OF ANY RELOCATION OF OVERHEAD UTILITIES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED SEWER RELAY, CLASS "C" BEDDING.
- THE CONTRACTOR SHALL MAINTAIN LOCAL TRAFFIC AND ACCESS TO ALL ADJOINING PROPERTIES 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 MS. SHARON BETHHAUSER AT (414) 286-3632 OF THE CITY OF MILWAUKEE TRANSPORTATION SECTION, MUNICIPAL BUILDING, ROOM 920. CONTACT MS. SHARON BETHHAUSER AT (414) 286-3632 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 MS. SHARON BETHHAUSER AT (414) 286-3632 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 MS. BETHHAUSER TO ARRANGE FOR THE REMOVAL OF SIGNS IN THE PROJECT LIMITS AFTER CONSTRUCTION WORK IS COMPLETED.
- 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 SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE SEWER EXAMS BY CCTV. POST-CONSTRUCTION.

SURVEY:  
BOOK NO. 811, PP. 190-193  
BM: HYDRANT EAST SIDE OF N. TEUTONIA AVE, STA. 4+25 +/- ELEV. 105.80  
HYDRANT NE. CORNER OF W. CENTER ST. AND N. TEUTONIA AVE. ELEV. 108.06

**LINE CODE LEGEND**

GAS	G	SANITARY SEWER	SAN	STREET LIGHTING	XXXXXX
ELECTRIC	E	STORM SEWER	STO	PAVING LIMITS	XXXXXX
TELEPHONE	T	COMBINED SEWER	CMB	STRUCTURE/BUILDING	XXXXXX
CABLE TELEVISION	C	SEW. DISTRICT SEWER	MMSD	FENCE	XXXXXX
FIBER OPTICS	FO	WATER MAIN	W	HYDRANT	XXXXXX
CITY UNDERGROUND CONDUIT	CUC	SEWER/WATER 24" & OVER	W24+	ALUMINUM POLE	XXXXXX
				CONCRETE POLE	XXXXXX
				WOOD POLE	XXXXXX

**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.**

- THE CONTRACTOR SHALL CONTACT MR. MIKE CHANESE AT (414) 286-5965 OF THE CITY OF MILWAUKEE TRAFFIC SECTION IF STREET 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.
- THE PAVEMENT REPLACEMENT SHALL CONSIST OF THE 3-INCH ASPHALTIC CONCRETE PAVEMENT OVER 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.
- UPON COMPLETION OF ANY PAVEMENT RESTORATION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE ANY DAMAGED LINE, LABEL LINE AND ROAD MARKINGS DAMAGED DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL CONTACT MS. SHARON BETHHAUSER AT (414) 286-3632 FOR QUESTIONS ABOUT TYPE OR LOCATION OF MARKINGS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED SEWER RELAY, CLASS "C" BEDDING.
- WEST CENTER STREET AND NORTH TEUTONIA AVENUE ARE MILWAUKEE COUNTY TRANSIT SYSTEM (MCTS) BUS ROUTE(S). 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.
- THERE ARE TWO (2) BUSINESSES WITHIN THE PROJECT LIMITS. THE UNITED STATES POST OFFICE - TEUTONIA STATION LOCATED AT 2656 NORTH TEUTONIA AVENUE AND VICTORY MASONRY LOCATED AT 2661 NORTH TEUTONIA AVENUE. THE CONTRACTOR SHALL CONTACT THE RESPECTIVE PROPERTY OWNERS AT LEAST TEN (10) WORKING DAYS PRIOR TO BEGINNING WORK NEAR THE BUSINESSES.
- THERE IS AN ACTIVE WE-ENERGIES GAS MAIN (3-INCH) IN NORTH TEUTONIA AVENUE. SPECIAL CARE MUST BE TAKEN TO PROTECT AND SUPPORT THE 3-INCH WE-ENERGIES GAS MAIN WHILE RELAYING THE RESPECTIVE DIAMETER SEWERS. ANY DAMAGE TO THE WE-ENERGIES FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER SEWER RELAY, 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 WHICH 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 U.S. DEPARTMENT OF LABOR. 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.

**SPECIAL PROVISIONS FOR WATER SERVICE LATERALS**

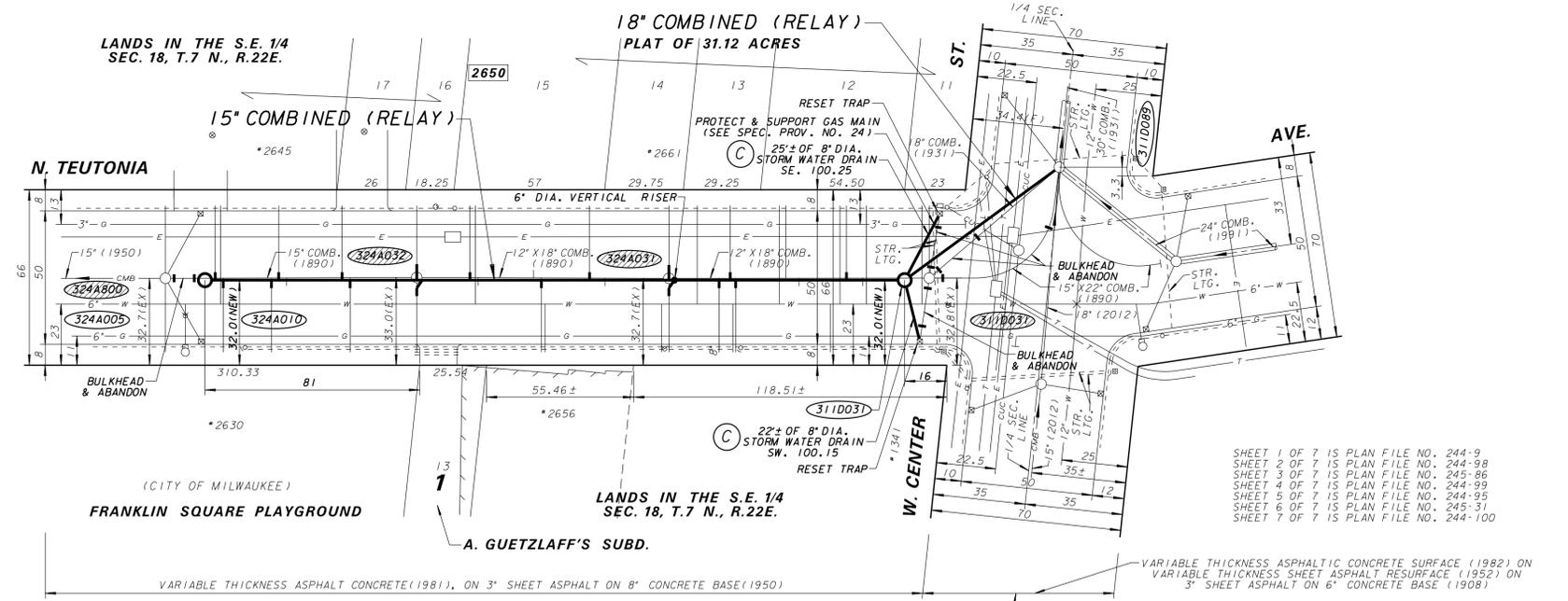
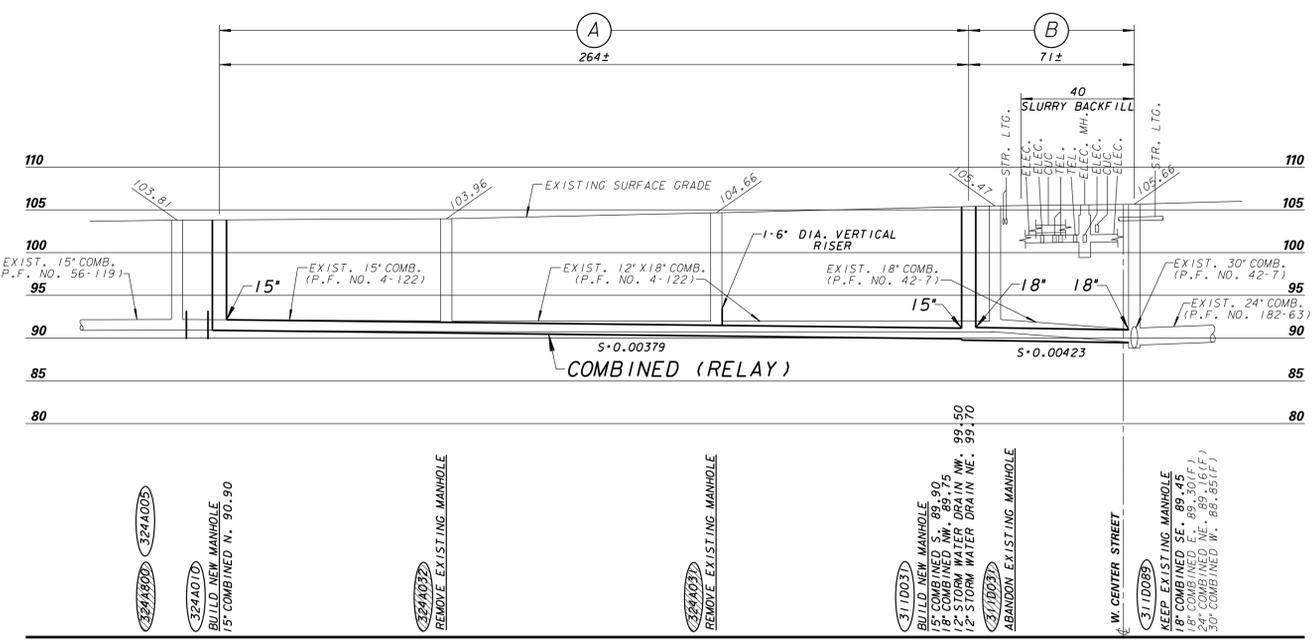
- DUE TO PRESENCE OF LEAD WATER SERVICE LATERALS, THE CONTRACTOR SHALL NOT DISTURB WATER SERVICES AT ANY TIME. THE CONTRACTOR SHALL SUPPORT AND PROTECT ALL WATER SERVICE LATERALS DURING OPEN CUT EXCAVATIONS. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION NOT TO DAMAGE ANY WATER SERVICE LATERALS. THE APPROXIMATE LOCATION OF THE WATER SERVICES WILL BE FIELD LOCATED BY CITY CREWS (VIA DIGGERS' HOTLINE) USING THE CURB STOP (IF VISIBLE) OR THE MEASUREMENT FROM SYSTEM MAPS. IF THE CURB STOP IS NOT VISIBLE, THE CONTRACTOR SHALL CONFIRM THE SERVICE LOCATION USING A PIPE LOCATOR, SIMILAR TO A "RIGID" PIPE LOCATOR, PRIOR TO EXCAVATING FOR THE SEWER. ALL COSTS FOR PIPE DETECTION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER SEWER RELAY. IF THE CONTRACTOR DAMAGES ANY WATER SERVICE LATERALS DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO IMMEDIATELY REPLACE THE ENTIRE WATER SERVICE LATERAL FROM THE CORPORATION STOP ON THE WATER MAIN TO THE PROPERTY LINE CURB STOP BOX. THE COST OF REPLACING THE ENTIRE WATER SERVICE LATERAL, INCLUDING WORKING SURFACE RESTORATION, SAW CUTTING, CLEAN PAVEMENT EDGES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

IN THE EVENT A WATER SERVICE LATERAL IS DAMAGED DURING CONSTRUCTION THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE CONSTRUCTION SUPERVISOR ON DUTY.

UPON NOTICE, THE CITY'S WATER DEPARTMENT PERSONNEL SHALL PROVIDE A NEW CORPORATION STOP, CURB STOP, STOP BOX AND SERVICE INSULATOR TO BE PICKED UP BY THE CONTRACTOR AT THE WATER STORES FACILITY. ALL OTHER MATERIALS REQUIRED TO REPLACE THE LEAD SERVICE AND RECONNECT TO THE EXISTING SERVICE LINE, INCLUSIVE OF COPPER PIPING TYPE-K (MINIMUM 1" DIAMETER), SHALL BE SUPPLIED BY THE CONTRACTOR.

IN THE EVENT AN EXISTING LEAK IS DISCOVERED ON A LEAD WATER SERVICE, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE CONSTRUCTION SUPERVISOR ON DUTY. THE CONTRACTOR SHALL REPLACE THE ENTIRE WATER SERVICE LATERAL FROM THE CORPORATION STOP ON THE WATER MAIN TO THE PROPERTY LINE CURB STOP BOX. UPON NOTICE, THE CITY'S WATER DEPARTMENT PERSONNEL SHALL PROVIDE A NEW CORPORATION STOP, CURB STOP, STOP BOX AND SERVICE INSULATOR TO BE PICKED UP BY THE CONTRACTOR AT THE WATER STORES FACILITY. THE COST OF REPLACEMENT FOR AN EXISTING LEAK SHALL BE PER CONTRACT BID ITEMS.

THE CONTRACT BID ITEM FOR "COPPER WATER SERVICE - LIN. FT." SHALL INCLUDE ALL COSTS TO FURNISH AND INSTALL ALL MATERIALS REQUIRED (EXCLUSIVE OF NOTED FITTINGS SUPPLIED BY WATER WORKS) TO REPLACE A LEAD SERVICE WITH AN EXISTING LEAK FROM THE CORPORATION STOP TO THE CURB STOP BOX AND RECONNECT TO THE EXISTING SERVICE LINE, INCLUDING COPPER SERVICE PIPING TYPE-K (MINIMUM 1" DIAMETER). SURFACE RESTORATION SHALL BE PER CONTRACT BID ITEMS FOR PAVEMENT. SAW CUTTING SHALL BE PAID PER THE CONTRACT BID ITEM AND LIMITED TO FOUR (4) FEET WIDTH. IF SAW CUTTING IS NOT PERFORMED IMMEDIATELY, CONTRACTOR SHALL SAW CUT CLEAN PAVEMENT EDGES PRIOR TO PERMANENT PAVEMENT RESTORATION. ADDITIONAL SURFACE RESTORATION FOR CURB AND GUTTER, WALK, SOD ETC. SHALL BE INCLUDED IN THE UNIT PRICE BID FOR "COPPER WATER SERVICE". NOTE THAT THE BID ITEM QUANTITY FOR "COPPER WATER SERVICE" - LIN. FT. MAY BE REDUCED OR ELIMINATED FROM THE CONTRACT DUE TO FIELD CONDITIONS, AND SUCH REDUCTION SHALL NOT GIVE RISE TO REQUEST AN INCREASE IN PRICE BID PER LIN. FT.



VARIABLE THICKNESS ASPHALT CONCRETE (1981), ON 3" SHEET ASPHALT ON 8" CONCRETE BASE (1950)  
 TRACK ZONE ACQUIRED BY CITY IN 1951.  
 1952 (TRACK ZONE) VARIABLE THICKNESS SHEET ASPHALT - RESURFACE ON PRIOR 1935 CONCRETE PAVEMENT.  
 RAILS IN PLACE

**WISCONSIN**  
ZAFAR S. YOUSUF  
E-30840  
MILWAUKEE, WI  
PROFESSIONAL ENGINEER

RP	QUANTITY REVISIONS	01/03/2017
NO.	BY	REVISION
AS BUILT CONTRACT NO.		
DATE ENT'D.		

**ESTIMATE OF QUANTITIES**

ITEM NO.	QUANTITY	DESCRIPTION
30151	264 FT.	15" DIA. COMBINED CLASS "C" BEDDING
30181	71 FT.	18" DIA. COMBINED CLASS "C" BEDDING
43400	2	4'-0" DIA. COMBINED MANHOLES
50000	51 FT.	BUILDING SEWERS & DRAINS
50001	LUMP SUM	BARRICADING
50015	LUMP SUM	EROSION CONTROL
50018	40 CU. YDS.	SLURRY BACKFILL
50029	1	6" DIA. VERTICAL RISER
50039	47 FT.	8" DIA. STORM WATER DRAIN CL. "C" BEDD.
50201	LUMP SUM	BULKHEAD & ABANDON 10"± OF 15" DIA. COMBINED SEWER
50203	LUMP SUM	BULKHEAD & ABANDON 20"± OF 18" DIA. COMBINED SEWER
50204	LUMP SUM	BULKHEAD & ABANDON 30"± OF 15"X22" COMBINED SEWER
50205	LUMP SUM	BULKHEAD & ABANDON 30"± OF 8" DIA. STORM WATER DRAINS
50300	400	PAVEMENT DOWELS
50301	866 FT. 800 FT.	PAVEMENT SAWING
50307	889 SQ. YARD 285 SQ. YARD	3" ASPHALTIC CONCRETE
50309	285 SQ. YARD	CONCRETE BASE
60002	455 FT.	SEWER EXAMS BY CCTV-POST CONSTRUCTION
80000	100 FT.	COPPER WATER SERVICE TYPE "K"

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

**SEWER MAIN PLAN**  
**N. TEUTONIA AVENUE**  
 295'± S. OF W. CENTER STREET  
 W. CENTER STREET

IN FROM TO

HORIZONTAL 1" = 30'  
 SCALE VERTICAL 1" = 10'

1/4 SEC. NO. 324  
 PLAN DATE 10/16/2016  
 DESIGNED BY W. RAFATI  
 DRAWN BY R. PEREZ  
 CHECKED BY R. PARIKH  
 SYSTEM NO. 3016

EASEMENT NO.  
 CONTRACT NO.  
 PROJ. ID. SM495160065

APPROVED DATE  
 11/9/2016  
 DESIGN ENGINEER  
 Zafar Yousof

11/10/2016  
 ENGINEER IN CHARGE  
 Nader Jaber

11/10/2016  
 CITY ENGINEER & SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS  
 OFF. NOTICE NO. 4-2017 DATE ADOPTED 7/26/2016

**SHEET NO. 4 OF 7 PLAN FILE NO. 244-99A**