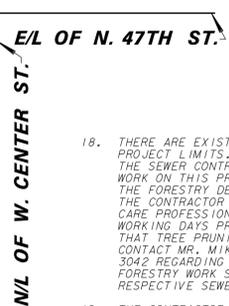
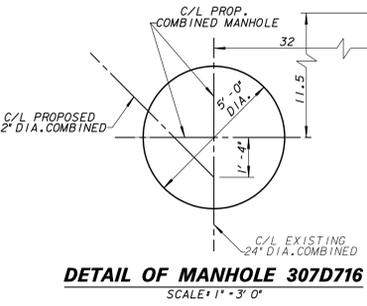
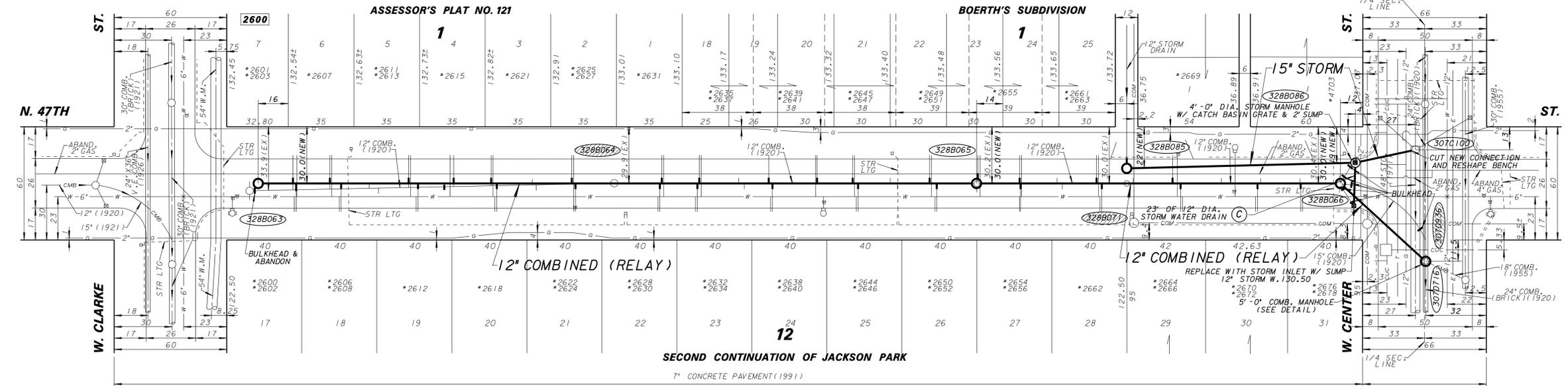
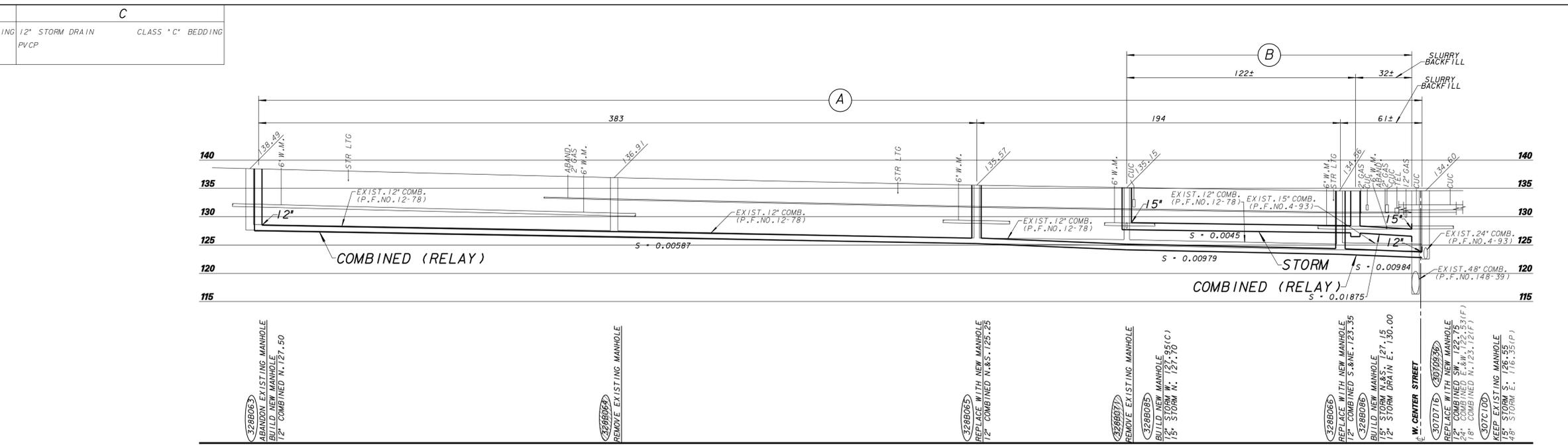


<b>A</b>	<b>B</b>	<b>C</b>
12" COMBINED ESCLP, CLASS IV RCP, OR PVC	15" STORM CLASS IV RCP	12" STORM DRAIN PVC
CLASS "C" BEDDING	CLASS "C" BEDDING	CLASS "C" BEDDING

- SPECIAL PROVISIONS FOR PLAN FILE NUMBER 234-55 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 MARCH 21, 2014, HOWEVER THERE IS NO GUARANTEE OF SAME. THE CONSTRUCTION ENGINEER SHALL CONTACT MR. PATRICK COE (MMSD) AT (414) 225-2219 TO CONFIRM THAT THE APPROVALS HAVE BEEN GRANTED.
  - THIS PROJECT SHALL BE COMPLETED BY SEPTEMBER 26, 2014. 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 UTILITIES 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 BUILDING SEWERS AND DRAINS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT NO ACTIVE BUILDING SEWERS ARE CONNECTED TO THE MAIN SEWERS OR MANHOLE TO BE ABANDONED 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 8.4.3.7 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 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, RAT HOLLING, OR TUNNELING UNDER THE EXISTING UTILITIES NECESSARY FOR THE PROPOSED SEWER RELAY SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER 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 BETWEEN \$2,200 TO \$4,700 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.
  - 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 COMMUNICATION 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 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 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.
  - NORTH 47TH STREET IS A ONE-WAY STREET HEADING SOUTH.
  - 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.



SHEET NO. 1 OF 12 IS PLAN FILE NO. 234-97  
 SHEET NO. 2 OF 12 IS PLAN FILE NO. 231-80  
 SHEET NO. 3 OF 12 IS PLAN FILE NO. 234-55  
 SHEET NO. 4 OF 12 IS PLAN FILE NO. 232-79  
 SHEET NO. 5 OF 12 IS PLAN FILE NO. 232-80  
 SHEET NO. 6 OF 12 IS PLAN FILE NO. 232-81  
 SHEET NO. 7 OF 12 IS PLAN FILE NO. 234-80  
 SHEET NO. 8 OF 12 IS PLAN FILE NO. 231-85  
 SHEET NO. 9 OF 12 IS PLAN FILE NO. 231-86  
 SHEET NO. 10 OF 12 IS PLAN FILE NO. 231-87  
 SHEET NO. 11 OF 12 IS PLAN FILE NO. 230-7  
 SHEET NO. 12 OF 12 IS PLAN FILE NO. 230-8



ITEM NO.	QUANTITY	DESCRIPTION
20151	154 FT.	15" DIA. STORM CLASS "C" BEDDING
30121	638 FT.	12" DIA. COMBINED CLASS "C" BEDDING
42301	1	3'-0" DIA. STORM INLET W/SUMP
42407	1	4'-0" DIA. STORM MANHOLE W/CATCH BASIN GRATE AND 2" SUMP
42400	1	4'-0" DIA. STORM MANHOLE
43400	3	4'-0" DIA. COMBINED MANHOLES
43500	1	5'-0" DIA. COMBINED MANHOLE
50000	93 FT.	BUILDING SEWERS AND DRAINS
50001	LUMP SUM	BARRICADING
50015	LUMP SUM	EROSION CONTROL
50018	200 CU. YDS.	SLURRY BACKFILL
50025	30 SQ.YDS.	TYPE "A" LAWN REPLACEMENT
50041	23 FT.	12" DIA. STORM WATER DRAIN CLASS "C" BED.
50200	LUMP SUM	BULKHEAD & ABANDON 75'-5" OF 12" DIA. COMBINED SEWER & 1 COMBINED MANHOLE
50300	820	PAVEMENT DOWELS
50301	1840 FT.	PAVEMENT SAWING
50307	50 SQ.YDS.	3" ASPHALTIC CONCRETE
50309	50 SQ.YDS.	CONCRETE BASE
50310	470 SQ.YDS.	CONCRETE PAVEMENT
50316	70 FT.	CONCRETE CURB & GUTTER
50332	80 SQ.FT.	CONCRETE SIDEWALK RAMP
60002	850 FT.	SEWER EXAMS BY CCTV-POST CONSTRUCTION

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

**SEWER MAIN PLAN**  
**N. 47TH STREET**  
**W. CLARKE STREET**  
**W. CENTER STREET**

HORIZONTAL 1" = 30'	APPROVED	DATE
VERTICAL 1" = 10'	<i>Zafar Yousof</i>	02-03-2014
IN SEC. NO. 307,328	DESIGN ENGINEER	
DESIGNED BY B.F.BAU	<i>Timothy J. Han</i>	02-03-2014
DRAWN BY A. GATZELZ	ENGINEER IN CHARGE	
SYSTEM NO. 2303,3016		
EASEMENT NO.	CITY ENGINEER & SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS	02-03-2014
CONTRACT NO. 1	PROJECT NO. 1	C.C. FILE NO. 131377
PROJ. ID. SM495130045	OFF. NOTICE NO. 22-2014	DATE ADOPED 2/11/14

LINE CODE LEGEND		
GAS	— G —	SANITARY SEWER
ELECTRIC	— E —	STORM SEWER
TELEPHONE	— T —	COMBINED SEWER
CABLE TELEVISION	— TV —	SEWER/DISTRICT SEWER
FIBER OPTICS	— FO —	WATER MAIN
CITY UNDERGROUND CONDUIT	— CUC —	SEWER/WATER 24" & OVER
		STREET LIGHTING
		PAVING LIMITS
		STRUCTURE/BUILDING
		FENCE
		HYDRANT
		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 182.015 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

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