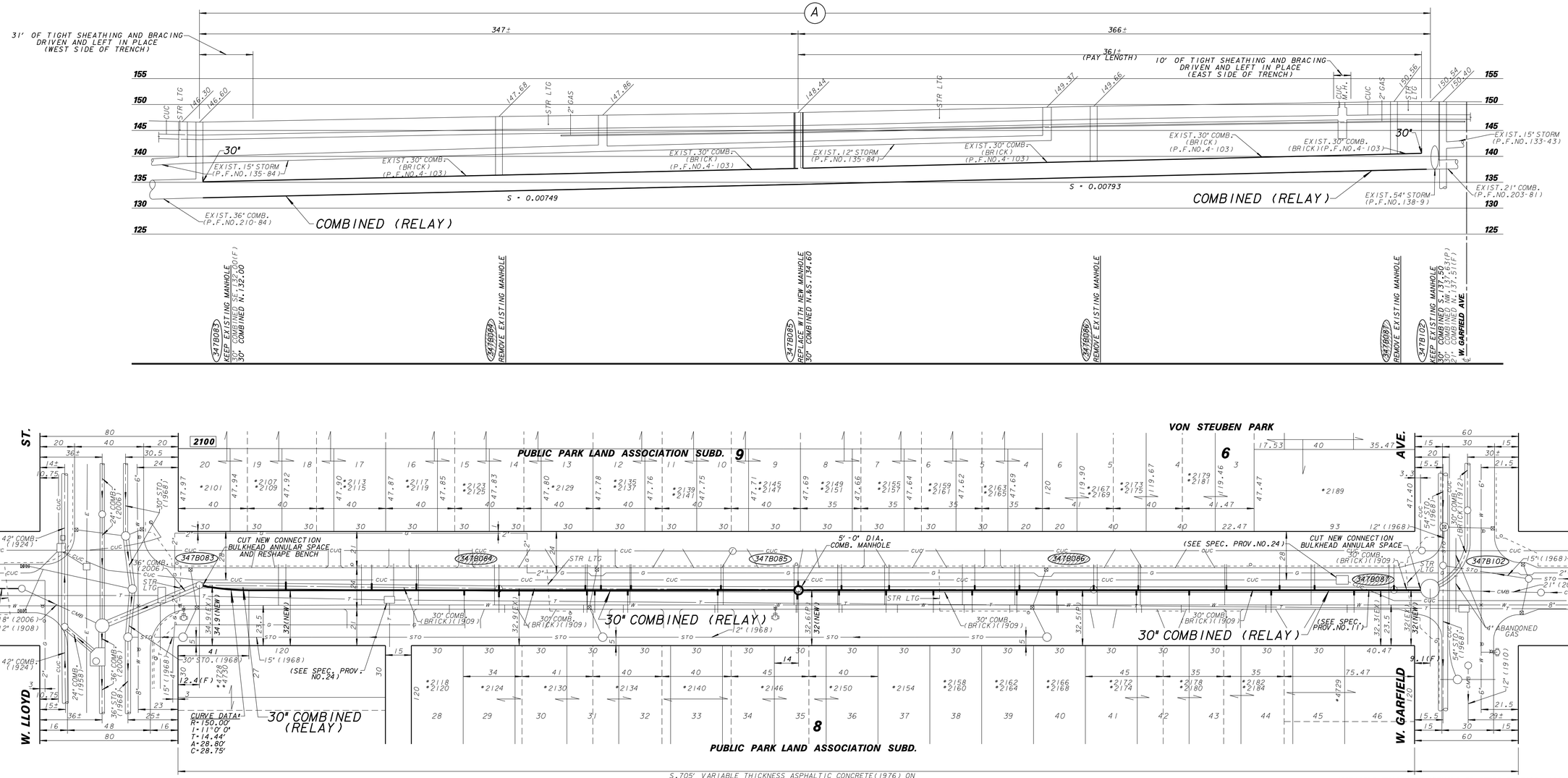
A	
30" COMBINED CLASS IV RCP OR PVCP	CLASS "C" BEDDING



S.705' VARIABLE THICKNESS ASPHALTIC CONCRETE(1976) ON
N.10' VARIABLE THICKNESS ASPHALTIC CONCRETE PLUS 1.5' WIDENING, 2" ASPHALTIC CONCRETE ON
8" CONCRETE BASE(1971)
VARIABLE THICKNESS PENETRATION TAR MACADAM SURFACE(1959) ON
N.100' 2.5' SHEET ASPHALT ON 5" CONCRETE BASE(1914)
S.615' 2.5' SHEET ASPHALT ON 5" CONCRETE BASE(1913)

VARIABLE THICKNESS ASPHALT CONCRETE SURFACE (1971) ON
VARIABLE THICKNESS PENETRATION TAR MACADAM SURFACE(1959) ON
3" SHEET ASPHALT ON 6" CONCRETE BASE(1928)

SURVEY:
BOOK NO. 797, PP. 177-188
BM: HYDRANT ON NE. CORNER OF N. 48TH ST. AND W. WASHINGTON BLVD. - WNW BOLT ELEV. 162.57
HYDRANT ON NE. CORNER OF N. 48TH ST. AND W. VINE ST. - WNW BOLT ELEV. 167.31
HYDRANT ON NE. CORNER OF N. 48TH ST. AND W. LLOYD ST. - WNW BOLT ELEV. 148.79
HYDRANT ON NE. CORNER OF N. 48TH ST. AND W. GARFIELD AVE. - WNW BOLT ELEV. 152.63

SEE PLAN FILE NO. 232-80 FOR SPECIAL PROVISIONS
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

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

ESTIMATE OF QUANTITIES

ITEM NO.	QUANTITY	DESCRIPTION
30301	708 FT.	30" DIA. COMBINED CLASS "C" BEDDING
43500	1	5'-0" DIA. COMBINED MANHOLE
50000	108 FT.	BUILDING SEWERS AND DRAINS
50001	LUMP SUM	BARRICADING
50015	LUMP SUM	EROSION CONTROL
50115	41 FT.	TIGHT SHEATHING AND BRACING
		DRIVEN AND LEFT IN PLACE
		ON ONE SIDE OF THE TRENCH
50300	720	PAVEMENT DOWELS
50301	1434 FT.	PAVEMENT SAWING
50307	559 SQ.YDS.	3" ASPHALTIC CONCRETE
50309	559 SQ.YDS.	CONCRETE BASE
60002	820 FT.	SEWER EXAMS BY CCTV-POST CONSTRUCTION

ENVIRONMENTAL ENGINEERING SECTION

INFRASTRUCTURE SERVICES DIVISION
DEPARTMENT OF PUBLIC WORKS
MILWAUKEE, WISCONSIN

SEWER MAIN PLAN

IN **N. 48TH STREET**
FROM **W. LLOYD STREET**
TO **W. GARFIELD AVENUE**

			APPROVED	DATE
SCALE	HORIZONTAL	1" = 30'	Zafar Yousuf	1/17/2014
	VERTICAL	1" = 10'		DESIGN ENGINEER
1/4 SEC. NO.	347		Timothy J. Thur	1/17/2014
PLAN DATE	1-7-14			ENGINEER IN CHARGE
DESIGNED BY	B.K.HEARD			1/17/2014
DRAWN BY	A GLATZEL			CITY ENGINEER & SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS
CHECKED BY	R.C.TALLY			
SYSTEM NO.	3016			
EASEMENT NO.				
CONTRACT NO.			PROJECT NO. 1	C.C. FILE NO. 131377
PROJ. ID.	SM495120102		OFF. NOTICE NO. 22-2014	DATE ADOPTED 2-11-14

SHEET NO. 6 OF 12 PLAN FILE NO. **232-81**

NO.	BY	REVISION	DATE

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

CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND BEFORE YOU DIG. WISCONSIN STATUTE 182.0715 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

LINE CODE LEGEND

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

MMSD _____ SCANNED _____ MICROFILMED _____