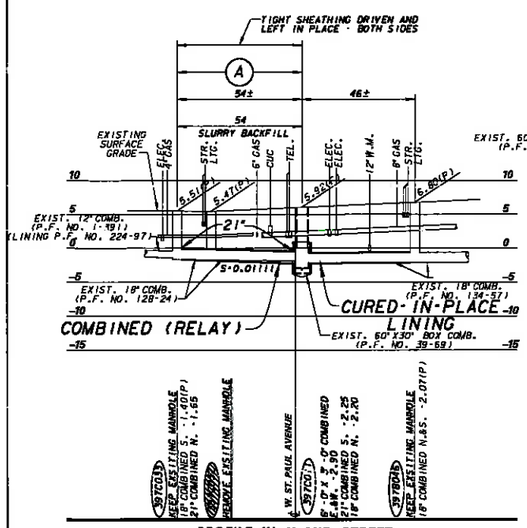
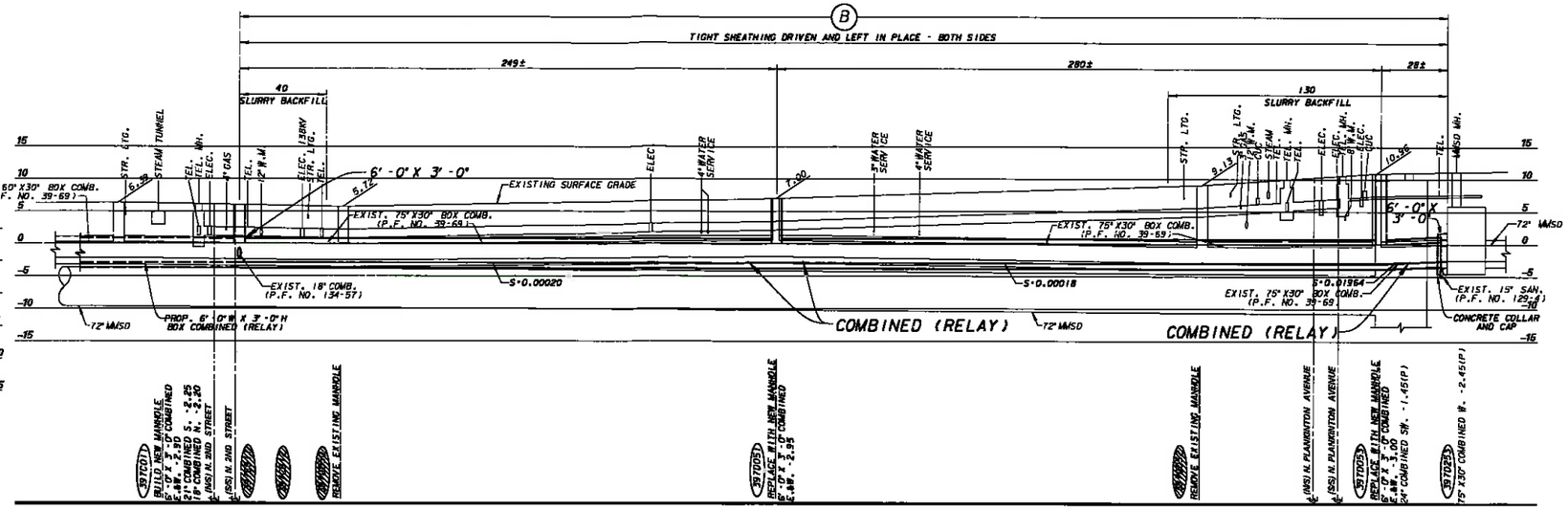
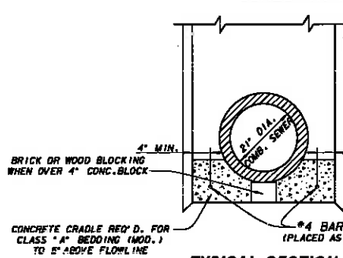
A	B
21" COMBINED CLASS V RCP — CLASS "A" BEDDING (MOD.)	6'-0" X 3'-0" PRECAST BOX COMBINED — CLASS "C" BEDDING



PROFILE IN N. 2ND STREET (LOOKING WEST)



587'± OF 12" DIA. SANITARY CURED-IN-PLACE LINING

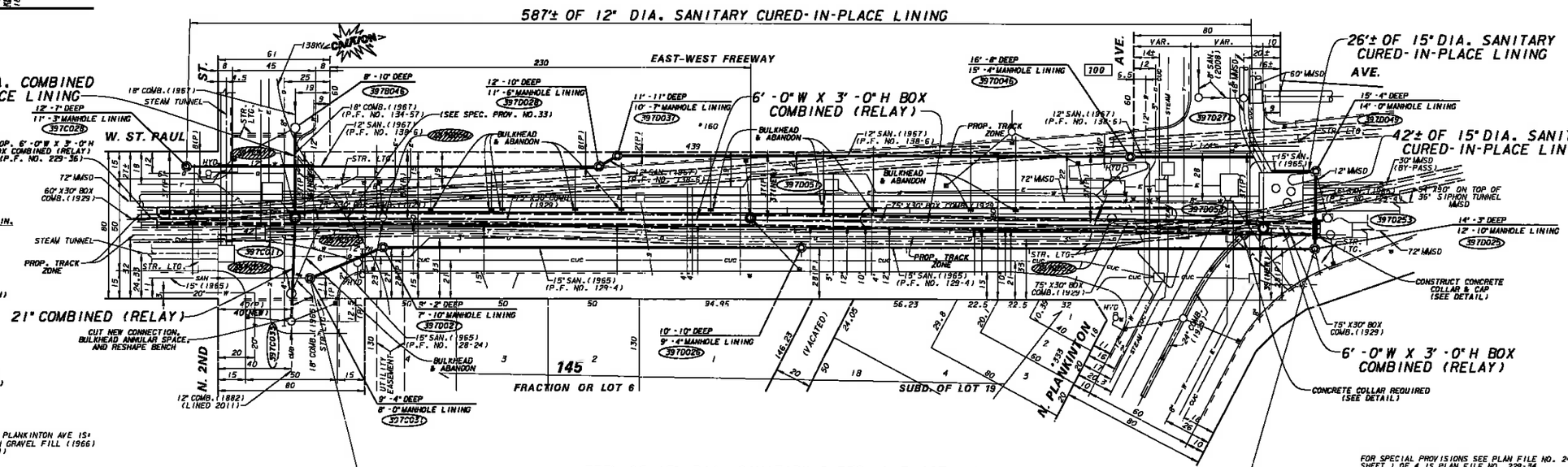


TYPICAL SECTION CLASS "A" BEDDING (MODIFIED)

SCALE=N.T.S.

(APPLIES TO BOTH BELL AND SPIGOT AND TONGUE AND GROOVE TYPE OF PIPE)

46'± OF 18" DIA. COMBINED CURED-IN-PLACE LINING



553'± OF 15" DIA. SANITARY CURED-IN-PLACE LINING

"PAVEMENT"

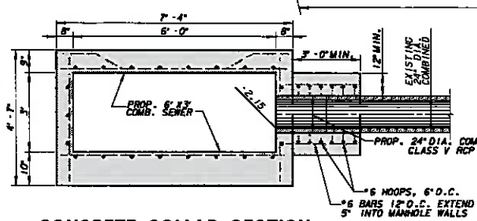
PAVEMENT IN W. ST PAUL AVE. FROM W/L MILWAUKEE RIVER TO N. PLANKINTON AVE IS:
1-1/2" ASPHALTIC CONCRETE (1992) ON 9" REINFORCED CONCRETE ON GRAVEL FILL (1966) ON 3" SHEET ASPHALT (1930) ON 6" BRICK ON 6" CONCRETE BASE (1909)

PAVEMENT IN W. ST PAUL AVE. AND N. PLANKINTON AVE IS:
N. 25' OF 40' 3" ASPHALTIC CONCRETE ON 9" CONCRETE BASE.
E. 40' VARIABLE THICKNESS ASPHALTIC CONCRETE PLUS WIDENING IN NE. 1/4 (1969) 3" ASPHALTIC CONCRETE ON 8" CONCRETE BASE (1966)
TRACK ZONE: ACQUIRED BY CITY IN 1957
VARIABLE THICKNESS ASPHALTIC CONCRETE (1962) ON CONCRETE (1948) RAILS AND TIES IN PLACE

PAVEMENT IN W. ST PAUL AVE. FROM N. PLANKINTON AVE TO. N. 2ND ST. IS:
(E. 270' - N./S. 10' WIDENING ONLY) 3" ASPHALTIC CONCRETE ON 9" CONCRETE BASE (1969)
VARIABLE THICKNESS ASPHALTIC CONCRETE (1965) ON 3" SHEET ASPHALT (1930) ON 8" GRANITE BLOCK ON 6" CONCRETE BASE (1894)

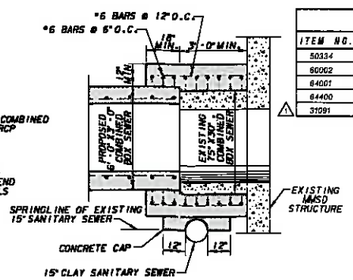
PAVEMENT IN W. ST PAUL AVE. AND N. 2ND ST. IS:
S. (EXCEPT E.-W.) VARIABLE THICKNESS ASPHALTIC CONCRETE (1987) ON N. 17" 9" REINFORCED CONCRETE (1968) VARIABLE THICKNESS ASPHALTIC CONCRETE (1965) ON 3" SHEET ASPHALT (1930) ON 6" GRANITE BLOCK ON 6" CONCRETE BASE (1893)

SURVEY:
BOOK NO. 794, PP. 2-4
BM.: SEE CONSULTANT'S PLAN FOR BENCHMARK (V:\pwelb\sewer\frolly.dgn)



CONCRETE COLLAR SECTION

SCALE=N.T.S.



DETAIL AT MANHOLE 397D253

SCALE=N.T.S.

ESTIMATE OF QUANTITIES		
ITEM NO.	QUANTITY	DESCRIPTION
50334	120 SQ. FT.	CONCRETE TRAFFIC ISLAND
60002	639 FT.	SEWER EXAMS BY CCTV-POST CONSTRUCTION
64001	1 VERT. FT.	MANHOLE REPAIR
64400	101 VERT. FT.	MANHOLE LINING
△ 31091	100 FT.	6'-0"X3'-0" COMBINED PRECAST BOX SEWER HAND TUNNELING

ESTIMATE OF QUANTITIES		
ITEM NO.	QUANTITY	DESCRIPTION
30216	54 FT.	21" DIA.COMBINED CL. "A" BEDDING(MOD.)
31060	557 FT.	6'-0"X3'-0" COMBINED PRECAST BOX SEWER
42400	3	4'-0" DIA. COMBINED MANHOLE CL."C"BEDD.
48010	587 FT.	12" DIA. SANITARY CURED-IN-PLACE LINING
48017	621 FT.	15" DIA. SANITARY CURED-IN-PLACE LINING
48018	46 FT.	18" DIA. SANITARY CURED-IN-PLACE LINING
50000	60 FT.	BUILDING SEWERS & DRAINS
50001	LUMP SUM	BARRICADING
50015	LUMP SUM	EROSION CONTROL
50018	630 CU. YDS.	SLURRY BACKFILL
50075	2	CONCRETE COLLAR
50116	614 FT.	TIGHT SHEATHING DRIVEN & LEFT IN PLACE -BOTH SIDES
50200	LUMP SUM	BULKHEAD & ABANDON 30'± OF 18" DIA. COMBINED SEWER & 1 COMBINED MANHOLE
50201	LUMP SUM	BULKHEAD & ABANDON 270'± OF 6" DIA. BUILDING SEWER
50300	628	PAVEMENT DOWELS
50301	1255 FT.	PAVEMENT SAWING
50307	775 SQ. YDS.	3" ASPHALTIC CONCRETE
50308	775 SQ. YDS.	CONCRETE BASE
50312	500 SQ. YDS.	3" BITUMINOUS TEMPORARY SURFACE
50316	35 FT.	CONCRETE CURB & GUTTER

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

FOR SPECIAL PROVISIONS SEE PLAN FILE NO. 243-74
SHEET 1 OF 4 IS PLAN FILE NO. 229-34
SHEET 2 OF 4 IS PLAN FILE NO. 229-35
SHEET 3 OF 4 IS PLAN FILE NO. 229-36
SHEET 4 OF 4 IS PLAN FILE NO. 243-74

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

SEWER MAIN PLAN
IN **W. ST. PAUL AVENUE**
FROM N. PLANKINTON AVENUE
TO N. 2ND STREET

SCALE HORIZONTAL 1" = 30' VERTICAL 1" = 10'
W SEC. NO. 397
PLAN DATE 2/8/2016
DESIGNED BY J. BARMAN
DRAWN BY R. PEREZ
CHECKED BY J. RADOMSKI
SYSTEM NO. 1458,1817,3049
EASEMENT NO.
CONTRACT NO.
PROJ. NO. SM405110305

APPROVED — DATE
Zafar Yousuf — 02-26-2016 — DESIGN ENGINEER
Timothy J. Thur — 02-26-2016 — ENGINEER IN CHARGE
02-26-2016 — CITY ENGINEER & SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS

PROJECT NO. 1 — C.C. FILE NO. 151522
OPR. NOTICE NO. 35-2016 — DATE ADOPTED 3-1-2016

SHEET NO. 2 OF 4 PLAN FILE NO. 229-35

NO.	BY	REVISION	DATE
△	JR	ADD HAND TUNNEL BID ITEM	3/10/16

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

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.

CALL DIGGERS HOTLINE 1-800-242-8511
TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND BEFORE YOU DIG. (WISCONSIN STATUTE 182.0175 PROVIDES 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE)

MMSD _____ SCANNED _____ MICROFILMED _____