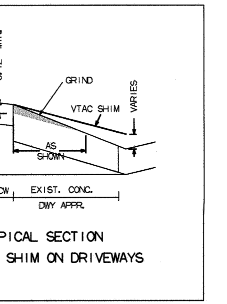
NOTES :

- (I),(II),(III), DENOTES RAMP TYPE.
- CONSTRUCT ALL CARRIAGE WALKS AND DRIVEWAYS PER CITY OF MILWAUKEE SPECIFICATIONS.
- OFFSET MEASUREMENTS TO TREES, WOOD POLES, AND LIGHT POLES ARE TAKEN TO EDGE NEAREST THE CENTERLINE.
- OFFSET MEASUREMENTS TO HYDRANTS ARE TAKEN TO THE OPERATING NUT.
- PITCH FLANGE .12' UNLESS OTHERWISE SHOWN.
- IN AREAS OF GRINDING, GRIND TO ACHIEVE 0.12' MINIMUM COVER AT FLANGES AND 0.17' MINIMUM AT BUTT JOINTS, 0.21' MINIMUM ELSWHERE.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED 'SAN' (SANITARY).
- THIS PROJECT MUST BE CONSTRUCTED IN 3 PASSES, CENTER 12' PASS WITH .06' CROWN AND 10' PASSES EACH SIDE WITH NO CROWN.
- REMOVE ALL ASPHALT PATCHES WITHIN LIMITS OF CONSTRUCTION.
- ANY TREE TO BE REMOVED AS PART OF THIS PROJECT WILL BE INDICATED IN THE CONTRACT SPECIAL PROVISIONS.



TYPICAL SECTION
ASPHALT SHIM ON DRIVEWAYS

CONDITION OF CONCRETE
B BROKEN
BL BLUE LINED
BP BACK PITCHED
C CRACKED
H HEAVED
JF JOINT FAILURE
MJ MUD JACKED
P PATCHED
PC POOR CONDITION
S SETTLED
SP SPALLED
VGC VERY GOOD
VPC VERY POOR

ESTIMATE / CERTIFICATE QUANTITIES

	DESCRIPTION	UNIT	ASSESS.	X-ING			PLAN TOT.	PROJ. TOT.
X	MOBILIZATION	L.S.						
X	FINISHING ROADWAY	L.S.						
	BARRICADING AND SIGNING	L.S.						
	CUTTING	C.Y.						
	ROADWAY CUTTING	C.Y.						
	FILLING	C.Y.						
	ROADWAY FILLING	C.Y.						
X	PAVEMENT REMOVAL	S.Y.						
X	BITUMINOUS SURFACE REMOVAL	S.Y.						
X	CURB &/OR CURB & GUTTER REMOVAL	L.F.						
X	CONC. WALK &/OR DRIVEWAY REMOVAL	S.F.						
	SAWING (FULL DEPTH)	L.F.						
X	SAWING	L.F.						
	TREES CLEARING	I.D.						
	TREES GRUBBING	I.D.						
X	31" V.F. CONCRETE CURB & GUTTER	L.F.						
	V.T. CONC. WALK &/OR DRIVEWAY	C.Y.						
X	5" CONCRETE WALK	S.F.						
X	7" CONCRETE DRIVEWAY	S.F.						
	CONCRETE PAVEMENT	S.Y.						
	7" CONCRETE ALLEY PAVEMENT	S.Y.						
X	V.T. CONCRETE BASE	C.Y.						
X	6" CONCRETE BASE	S.Y.						
X	TACK COAT	GAL.						
X	BASE PREP. FOR ASPHALT SURFACE	L.S.						
X	V.T. ASPH. CONC. PAV'T. (MAX.)	S.Y.						
	CRUSHED STONE BASE							
	CRUSHED GRAVEL BASE							
X	GRAVEL FILLING	TON						
X	SODDING	S.Y.						
X	TOPSOIL	C.Y.						
	PAVEMENT GRINDING (ASPHALT)	S.Y.						
X	PAVEMENT GRINDING (CONCRETE)	S.Y.						
	SEALING PAV'T JOINTS & CRACKS	S.Y.						
	MANHOLE RINGS	EACH						
X	SEWER FRAME ADJUSTMENT	V.F.						
X	MANHOLE SEAL (CITY FURNISHED)	EACH						
X	EROSION CONTROL (TYPE M)	EACH						
X	REPAIR PAV'T JOINTS & CRACKS	L.F.						1600
X	CRACK & SEAT PAVEMENT	S.Y.						

FILE NO. 396

DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

PLAN OF: S. 82ND ST. (3500S , 8200W)
W. WILBUR AVE. TO W. MORGAN AVE.
THIS SECTION: W. WILBUR AVE. TO W. WARNIMONT AVE.

DRAWN BY	T. SLAMA	DATE: 12-10-04	PROJECT NO. ST211060101
DESCRIPTIONS BY	T. SLAMA	DATE: 12-10-04	SHEET 1 OF 2
LEVELS BY	M. SCHULTZ	DATE: 7-19-05	SCALE 1" = 10'
LEVELS TRANSF. BY	F. BARBARA	DATE: 7-27-05	1/4 SEC. 559 / ALD. DIST. 11
DESIGNED BY	K. CHOI	DATE: 9-27-05	OBSTRUCTIONS - SEE OBSTRUCTION LIST
GRADES TRANSF. BY	D. BEKELE	DATE: 10-17-05	REVISED: UPDATED 11/26/12 - MANHARDT
CHECKED BY	D. Urbanek	DATE: 3/12/13	REVISED:
APPROVED BY	[signature]	DATE: 3/12/13	REVISED:

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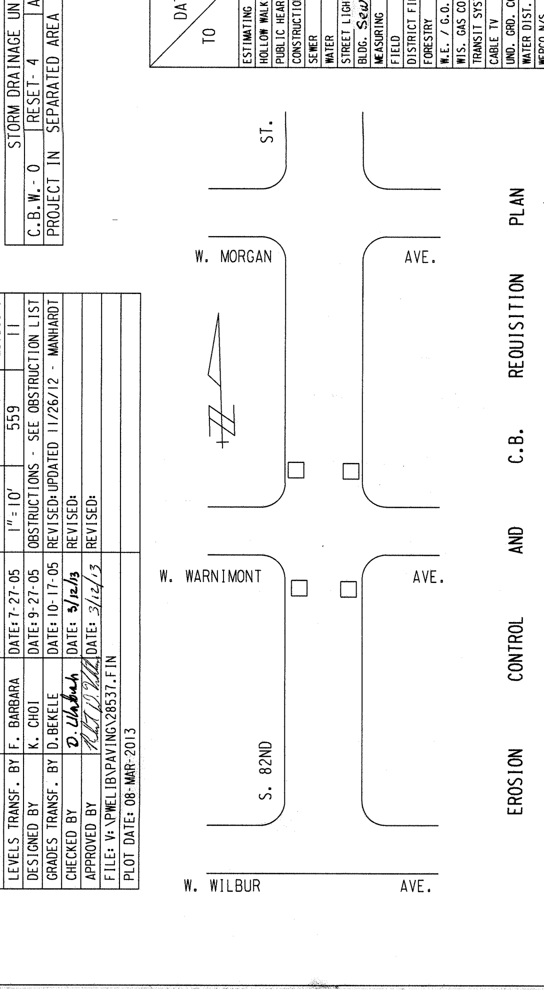
PLOT DATE: 08-MAR-2013

PROJECT TOTAL

STORM DRAINAGE UNITS		
C.B.W. - 0	RESET - 4	ABANDON - 0
PROJECT IN SEPARATED AREA		

DATE / TO	
	3/12/13
	7/25/13

ESTIMATING



ESTIMATE / CERTIFICATE QUANTITIES

DESCRIPTION	UNIT	ASSESS.	X-ING			PLAN TOT.	PROJ. TOT.
MOBILIZATION	L.S.						
FINISHING ROADWAY	L.S.						
BARRICADING AND SIGNING	L.S.						
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PAVEMENT REMOVAL	S.Y.						
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SAWING	L.F.						
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5" CONCRETE WALK	S.F.						
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V.T. ASPH. CONC. PAV'T. (MAX.)	S.Y.						
CRUSHED STONE BASE							
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GRAVEL FILLING	TON						
SODDING	S.Y.						
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PAVEMENT GRINDING (ASPHALT)	S.Y.						
PAVEMENT GRINDING (CONCRETE)	S.Y.						
SEALING PAV'T JOINTS & CRACKS	S.Y.						
MANHOLE RINGS	EACH						
SEWER FRAME ADJUSTMENT	V.F.						
MANHOLE SEAL (CITY FURNISHED)	EACH						
EROSION CONTROL (TYPE M)	EACH						

CONDITION OF CONCRETE

- B BROKEN
- BL BLUE LINED
- BP BACK PITCHED
- C CRACKED
- H HEAVED
- JF JOINT FAILURE
- MJ MUD JACKED
- P PATCHED
- PC POOR CONDITION
- S SETTLED
- SP SPALLED
- VGC VERY GOOD
- VPC VERY POOR

STORM DRAINAGE UNITS
C.B.W. - RESET - ABANDON-
PROJECT IN SEPARATED AREA

DATE / TO		
ESTIMATING	3/12/13	7/25/13
HOLLOW WALKS		
PUBLIC HEARING		
CONSTRUCTION		

DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

FILE NO. 397

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W. WILBUR AVE. TO W. MORGAN AVE.

THIS SECTION: W. WARNIMONT AVE. TO W. MORGAN AVE.

DRAWN BY	T. SLAMA	DATE: 12-10-04	PROJECT NO. ST211060101
DESCRIPTIONS BY	T. SLAMA	DATE: 12-10-04	SHEET 2 OF 2
LEVELS BY	M. SCHULTZ	DATE: 7-19-05	SCALE 1" = 10'
LEVELS TRANSF. BY	F. BARBARA	DATE: 7-27-05	1/4 SEC. 559 / ALD. DIST. 11
DESIGNED BY	K. CHOI	DATE: 9-27-05	OBSTRUCTIONS - SEE OBSTRUCTION LIST
GRADES TRANSF. BY	D. BEKELE	DATE: 10-17-05	REVISED: LIMITS @ MORGAN & WARNIMONT MM 11/26/12
CHECKED BY	D. Ulm…	DATE: 3/12/13	REVISED:
APPROVED BY	[signature]	DATE: 3/12/13	REVISED:

FILE: V:\PWELIB\PAVING\28537.FIN
PLOT DATE: 08-MAR-2013