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.
- GRADE & PLACE 1.5' WIDTH SOD IN LAWN AREAS DISTURBED BY CONSTRUCTION UNLESS OTHERWISE INDICATED.
- PROJECT IS DESIGNED TO BE CONSTRUCTED IN TWO EQUAL PASSES WITH 0.16' CROWNS IN EACH PASS, REDUCING THROUGH THE INTERSECTION(S) AS SHOWN.
- IN AREAS OF GRINDING, GRIND TO ACHIEVE 0.12' MINIMUM COVER AT FLANGES AND 0.17' AT BUTT JOINTS AND 0.21' MINIMUM ELSEWHERE.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED 'SAN' (SANITARY).
- ANY TREES TO BE REMOVED AS PART OF THIS PROJECT WILL BE NOTED IN SPECIAL PROVISIONS.
- PITCH FLANGE .08 UNLESS OTHERWISE SHOWN.
- ASPH PATCH REMOVAL TO BE DETERMINED AT THE TIME OF CONSTRUCTION BY THE CONSTRUCTION SUPERVISOR. REMOVE ASPHALT PATCHES PRIOR TO CRACK & SEAT.

CONDITION OF CONCRETE

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

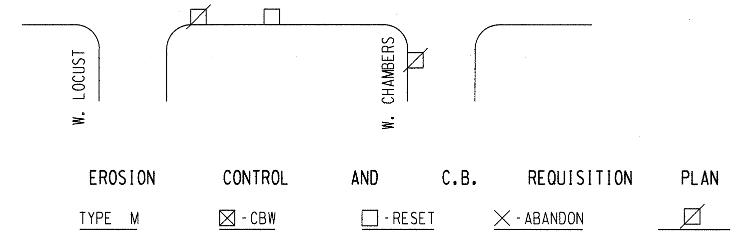
ESTIMATE / CERTIFICATE QUANTITIES

	DESCRIPTION	UNIT	ASSESS.	X-ING			PLAN TOT.	PROJ.TOT.
X	MOBILIZATION	L.S.						
X	FINISHING ROADWAY	L.S.						
X	BARRICADING AND SIGNING	L.S.						
X	CUTTING	C.Y.						
	ROADWAY CUTTING	C.Y.						
X	FILLING	C.Y.						
	ROADWAY FILLING	C.Y.						
	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	CONCRETE CURB & GUTTER	L.F.						
X	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.						
	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.						
X	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	JT & CRACK REPAIR	L.F.						1206
X	CRACK & SEAT	S.Y.						

DEPARTMENT OF PUBLIC WORKS INFRASTRUCTURE SERVICES DIVISION FIELD OPERATIONS FIELD & DESIGN ENGINEERING MILWAUKEE, WISCONSIN					FILE NO. 442
PLAN OF:	N. 91ST ST.		(2900N, 9100W)		
W. LOCUST ST. TO W. BURLEIGH ST.					
THIS SECTION: W. LOCUST ST. TO W. CHAMBERS ST.					
DRAWN BY	WAS	DATE: 5/16/14	PROJECT NO.		
DESCRIPTIONS BY	WAS	DATE: 5/16/14	ST211140147	SHEET 1 OF 2	
LEVELS BY	M. BRESINA	DATE: 12/5/13	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY		DATE:	1" = 10'	302	5
DESIGNED BY	A. SCHAAFSMA	DATE: 5/22/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	DB / GL	DATE: 6/12/14	REVISED:		
CHECKED BY	D. Ulatowski	DATE: 8/20/14	REVISED:		
APPROVED BY	[signature]	DATE: 8/20/14	REVISED:		
FILE: V:\PWELIB\PAVING\29370.FIN					
PLOT DATE: 18-AUG-2014					

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 2	ABANDON- 0
PROJECT IN (SEPARATED) AREA		



	EROSION	CONTROL	AND	C.B.	REQUISITION	PLAN
	TYPE M	CBW		RESET	ABANDON	
THIS SHEET	5	0		2	0	NO WORK
PROJECT TOTAL	11	0		4	0	NO WORK

TO \ DATE	8/21/14				
ESTIMATING	1				
HOLLOW WALKS	1				
PUBLIC HEARING	1				
CONSTRUCTION	7				
SEWER	1				
WATER	1				
STREET LIGHTING	1				
BLDG. SEWERS					
MEASURING	1				
FIELD					
DISTRICT FILE	2				
FORESTRY	1				
W.E. / G.O.					
WIS. GAS CO.					
TRANSIT SYSTEM					
CABLE TV					
UND. GRD. COND.	1				
WATER DIST.	1				
WEPCO N/S					
WEPCO S/S					
SEWER SERVICES					
UTILITY COOR.	1				
TrafficEng	1				
RM 506	6				
PLAN SIZE	17" X 110"				

W. LOCUST ST. TO W. CHAMBERS ST.
N. 91ST ST. - W. LOCUST ST. TO W. BURLEIGH ST. ST211140147 17" X 110" 29370 # (1 OF 2)

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

ESTIMATE / CERTIFICATE QUANTITIES

DESCRIPTION	UNIT	ASSESS.	X-ING			PLAN TOT.	PROJ.TOT.
MOBILIZATION	L.S.						
FINISHING ROADWAY	L.S.						
BARRICADING AND SIGNING	L.S.						
CUTTING	C.Y.						
ROADWAY CUTTING	C.Y.						
FILLING	C.Y.						
ROADWAY FILLING	C.Y.						
PAVEMENT REMOVAL	S.Y.						
BITUMINOUS SURFACE REMOVAL	S.Y.						
CURB &/OR CURB & GUTTER REMOVAL	L.F.						
CONC. WALK &/OR DRIVEWAY REMOVAL	S.F.						
SAWING (FULL DEPTH)	L.F.						
SAWING	L.F.						
TREES CLEARING	I.D.						
TREES GRUBBING	I.D.						
CONCRETE CURB & GUTTER	L.F.						
V.T. CONC. WALK &/OR DRIVEWAY	C.Y.						
5" CONCRETE WALK	S.F.						
7" CONCRETE DRIVEWAY	S.F.						
CONCRETE PAVEMENT	S.Y.						
7" CONCRETE ALLEY PAVEMENT	S.Y.						
V.T. CONCRETE BASE	C.Y.						
CONCRETE BASE	S.Y.						
TACK COAT	GAL.						
BASE PREP. FOR ASPHALT SURFACE	L.S.						
V.T.ASPH.CONC.PAV'T.(MAX.)	S.Y.						
CRUSHED STONE BASE							
CRUSHED GRAVEL BASE							
GRAVEL FILLING	TON						
SODDING	S.Y.						
TOPSOIL	C.Y.						
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						
JT & CRACK REPAIR	L.F.						1206
CRACK & SEAT	S.Y.						

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

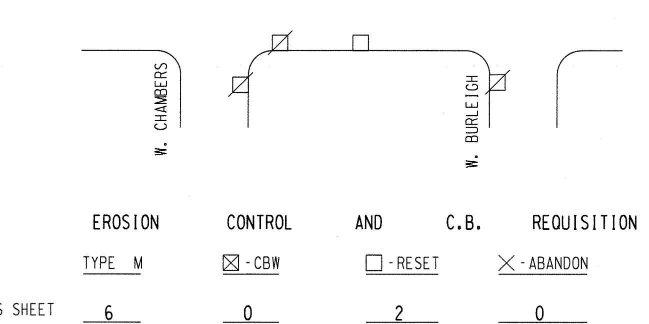
FILE NO. 443

PLAN OF: N. 91ST ST. (3000N, 9100W)
W. LOCUST ST. TO W. BURLEIGH ST.
THIS SECTION: W. CHAMBERS ST. TO W. BURLEIGH ST.

DRAWN BY	WAS	DATE: 5/16/14	PROJECT NO.		
DESCRIPTIONS BY	WAS	DATE: 5/16/14	ST211140147	SHEET 2 OF 2	
LEVELS BY	M. BRESINA	DATE: 12/5/13	SCALE	1/4 SEC.	ALD. DIST.
LEVELS TRANSF. BY		DATE:	1"=10'	302	5
DESIGNED BY	A. SCHAAFSMA	DATE: 5/22/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	DB / GL	DATE: 6/12/14	REVISED:		
CHECKED BY	D. [signature]	DATE: 8/20/14	REVISED:		
APPROVED BY	[signature]	DATE: 8/20/14	REVISED:		
FILE: V:\PWELIB\PAVING\29370.FIN					
PLOT DATE: 18-AUG-2014					

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 2	ABANDON- 0
PROJECT IN (SEPARATED) AREA		



	EROSION CONTROL AND C.B. REQUISITION PLAN				
	TYPE M	☒ - CBW	☐ - RESET	✕ - ABANDON	☒
THIS SHEET	6	0	2	0	NO WORK

DATE / TO	8/13/14
ESTIMATING	1
HOLLOW WALKS	1
PUBLIC HEARING	1
CONSTRUCTION	1
SEWER	1
WATER	1
STREET LIGHTING	1
BLDG. SEWERS	1
MEASURING	1
FIELD	
DISTRICT FILE	2
FORESTRY	1
W.E. / G.O.	
WIS. GAS CO.	
TRANSIT SYSTEM	
CABLE TV	
UND. GRD. COND.	1
WATER DIST.	1
WEPCO N/S	
WEPCO S/S	
SEWER SERVICES	
UTILITY COOR.	
Traffic Eng	1
RM 506	6
PLAN SIZE	17"X110"

N. 91ST ST. - W. LOCUST ST. TO W. BURLEIGH ST.
W. CHAMBERS ST. TO W. BURLEIGH ST.
ST211140147 11" X 110. S2310 # (2 OF 2)