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 0.08' UNLESS OTHERWISE SHOWN.
- PITCH CW 0.02'/FT UNLESS OTHERWISE SHOWN.
- GRADE & PLACE 1.5' WIDTH SOD IN LAWN AREAS DISTURBED BY CONSTRUCTION UNLESS OTHERWISE INDICATED.
- IN AREAS OF GRINDING, GRIND TO ACHIEVE
  0.12' MINIMUM COVER AT FLANGES AND
  0.17' AT BUTT JOINTS AND
  0.21' MINIMUM ELSEWHERE.
- ANY TREES TO BE REMOVED AS A PART OF THE PROJECT WILL BE NOTED IN SPECIAL PROVISIONS.

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.						
7" CONCRETE PAVEMENT	S.Y.						
7" CONCRETE ALLEY PAVEMENT	S.Y.						
V.T. CONCRETE BASE	C.Y.						
6" CONCRETE BASE	S.Y.						
TACK COAT	GAL.						
BASE PREP. FOR ASPHALT SURFACE	L.S.						
V.T. ASPH. CONC. PAV'T. (3/8 MAX.)	S.Y.						
REPLACE 1/4 SEC. MONUMENT	EACH						
3" 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						

CONDITION OF CONCRETE
BROKEN
BLUE LINED
BACK PITCHED
CRACKED
EXCESSIVE PITCH
HEAVED
JOINT FAILURE
MUD JACKED
PATCHED
POOR CONDITION
SETTLED
SPALLED
VERY GOOD
VERY POOR

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

289

PLAN OF: W. BURNHAM ST.
S. MUSKEGO AVE. TO S. 16TH ST.
THIS SECTION: S. MUSKEGO AVE. TO S. 20TH ST.

DRAWN BY	B.MATHENY	DATE: 6-4-13	PROJECT NO. ST211020109	SHEET 1 OF 3	
DESCRIPTIONS BY	M.L.	DATE:			
LEVELS BY	M.SCHULTZ	DATE: 4-26-01	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY	M.SCHULTZ	DATE: 4-26-01	1"=10'	459, 460, 469	8 & 12
DESIGNED BY	S.SYLVAN	DATE: 2-23-13	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	B.MATHENY	DATE: 6-4-13	REVISED: 2012-X SECTION UPDATE JL		
CHECKED BY	D. Ulwelski	DATE: 11/19/13	REVISED: 11/12/13-CBWS @ 20TH-MANHARDT		
APPROVED BY	[signature]	DATE: 11/19/13	REVISED:		
FILE: V:\PWELIB\PAVING\28215.FIN					
PLOT DATE: 14-NOV-2013					

PROJECT TOTAL

STORM DRAINAGE UNITS		
C.B.W.- 18	RESET- 14	ABANDON- 17
PROJECT IN (COMB) AREA		

EROSION CONTROL AND C.B. REQUISITION PLAN

	TYPE M	CBW	RESET	ABANDON	
THIS SHEET	9	4	5	4	NO WORK
PROJECT TOTAL	28	18	14	17	

TO \ DATE	9/5/13	11/20/13	12/12/13		
ESTIMATING	1	1			
HOLLOW WALKS	1	1			
PUBLIC HEARING	1	1			
CONSTRUCTION	1	1	6		
SEWER	1	1			
WATER	1	1			
STREET LIGHTING	1	1			
BLDG. SEWERS	1	1			
MEASURING			1		
FIELD			1		
DISTRICT FILE	2	2			
FORESTRY	1	1			
W.E. / G.O.					
WIS. GAS CO.	1	1			
TRANSIT SYSTEM					
CABLE TV					
UND. GRD. COND.	1	1			
WATER DIST.	1	1			
WEPCO N/S					
WEPCO S/S	1	1			
SEWER SERVICES					
UTILITY COOR.	1	1			
TRAFFIC ENG.	1	1			
Rm 506			15		
PLAN SIZE	17.5"X104"				

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.

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						

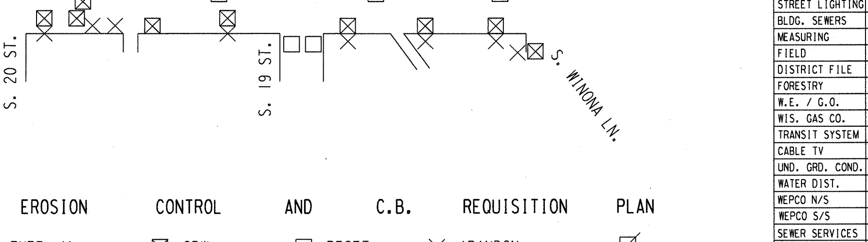
DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

FILE NO. 290

PLAN OF: W. BURNHAM ST.
S. MUSKEGO AVE. TO S. 16TH ST.
THIS SECTION: S. 20TH ST. TO S. 18TH ST.

DRAWN BY	B. MATHENY	DATE: 6-4-13	PROJECT NO. ST211020109		SHEET 2 OF 3
DESCRIPTIONS BY	M.L.	DATE:			
LEVELS BY	M. SCHULTZ	DATE: 4-26-01	SCALE	1/4 SEC.	ALD. DIST.
LEVELS TRANSF. BY	M. SCHULTZ	DATE: 4-26-01	1" = 10'	459, 460, 469	8 & 12
DESIGNED BY	S. SYLVAN	DATE: 2-23-13	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	B. MATHENY	DATE: 6-4-13	REVISED: 2012-X SECTION UPDATE JL		
CHECKED BY	D. Ulnbow	DATE: 11/19/13	REVISED: 11/12/13 CBW'S @ 20TH ST.		
APPROVED BY	[signature]	DATE: 11/19/13	REVISED:		
FILE: V:\PWELIB\PAVING\28215.FIN					
PLOT DATE: 14-NOV-2013					

STORM DRAINAGE UNITS		
C.B.W.-	RESET-	ABANDON-
PROJECT IN (COMB) AREA		



EROSION CONTROL AND C.B. REQUISITION PLAN

	TYPE M	⊠ - C.B.W.	□ - RESET	X - ABANDON	⊘ NO WORK
THIS SHEET	10	9	5	9	

TO \ DATE	11/20/13	12/12/13			
ESTIMATING	1				
HOLLOW WALKS	1				
PUBLIC HEARING	1				
CONSTRUCTION	1	6			
SEWER	1				
WATER	1				
STREET LIGHTING	1				
BLDG. SEWERS	1				
MEASURING		1			
FIELD		1			
DISTRICT FILE	2				
FORESTRY	1				
W.E. / G.O.					
WIS. GAS CO.	1				
TRANSIT SYSTEM					
CABLE TV					
UND. GRD. COND.	1				
WATER DIST.	1				
WEPCO N/S					
WEPCO S/S	1				
SEWER SERVICES					
UTILITY COOR.	1				
TrafficEng Rm506	1	15			
PLAN SIZE	17.5" X108"				

ST211020109 ... S. 16TH ST. TO S. ...
17.5" X108"
28215 # (2 OF 3)

NOTES :

- Ⓘ, Ⓘ Ⓘ, Ⓘ Ⓘ Ⓘ, 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.

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						

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

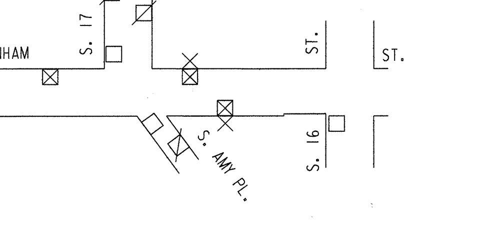
DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

FILE NO. 291

PLAN OF: W. BURNHAM ST.
S. MUSKEGO AVE. TO S. 16TH ST.
THIS SECTION: S. 18TH ST. TO S. 16TH ST.

DRAWN BY	B.MATHENY	DATE: 6-4-13	PROJECT NO. ST211020109	SHEET 3 OF 3	
DESCRIPTIONS BY	M.L.	DATE:			
LEVELS BY	M.SCHULTZ	DATE: 4-26-01	SCALE 1"=10'	1/4 SEC. 459, 460, 469	ALD.DIST. 8 & 12
LEVELS TRANSF. BY	M.SCHULTZ	DATE: 4-26-01			
DESIGNED BY	S.SYLVAN	DATE: 2-23-13	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	B.MATHENY	DATE: 6-4-13	REVISED: 2012-X SECTION UPDATE JL		
CHECKED BY	SYLVAN/ULATOWSKI	DATE: 8/29/13	REVISED:		
APPROVED BY	[signature]	DATE: 9/4/13	REVISED:		
FILE: V:\PWELIB\PAVING\28215.FIN					
PLOT DATE: 22-AUG-2013					

STORM DRAINAGE UNITS		
C.B.W.-	RESET-	ABANDON-
PROJECT IN (COMB) AREA		



EROSION CONTROL AND C.B. REQUISITION PLAN

	TYPE M	⊠ - CBW	□ - RESET	X - ABANDON	NO WORK
THIS SHEET	9	5	4	4	

TO \ DATE	9/5/13	12/12/13			
ESTIMATING	1				
HOLLOW WALKS	1				
PUBLIC HEARING	1				
CONSTRUCTION	1	6			
SEWER	1				
WATER	1				
STREET LIGHTING	1				
BLDG. SEWERS	1				
MEASURING		1			
FIELD		1			
DISTRICT FILE	2				
FORESTRY	1				
W.E. / G.O.					
WIS. GAS CO.	1				
TRANSIT SYSTEM					
CABLE TV					
UND. GRD. COND.	1				
WATER DIST.	1				
WEPCO N/S					
WEPCO S/S	1				
SEWER SERVICES					
UTILITY COOR.	1				
Traffic Eng Rm 506	1	15			
PLAN SIZE	17.5"X108"				

W. BURNHAM ST. - S. MUSKEGO AVE. TO S. 16TH ST. ST211020109 17.5"X108" 28215 (3 OF 3)