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 WITH EQUAL PASSES WITH CROWNS AS INDICATED IN EACH PASS, REDUCING THROUGH THE INTERSECTION(S) AS SHOWN.
- IN AREAS OF GRINDING, GRIND TO ACHIEVE 0.12' MINIMUM COVER AT FLANGES, 0.17' AT BUTT JOINTS AND 0.21' MINIMUM ELSEWHERE.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED "SAN" (SANITARY)
- PITCH FLANGE 0.08' UNLESS OTHERWISE SHOWN.

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.						
X	ROADWAY CUTTING	C.Y.						
X	FILLING	C.Y.						
X	ROADWAY FILLING	C.Y.						
	PAVEMENT REMOVAL	S.Y.						
	BITUMINOUS SURFACE REMOVAL	S.Y.						
X	CURB &/OR CURB & GUTTER REMOVAL	L.F.						
X	CONC. WALK &/OR DRIVEWAY REMOVAL	S.F.						
X	SAWING (FULL DEPTH)	L.F.						
X	SAWING	L.F.						
X	TREES CLEARING	I.D.						
X	TREES GRUBBING	I.D.						
X	22" 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.						
	CONCRETE BASE	S.Y.						
X	TACK COAT	GAL.						
X	BASE PREP. FOR ASPHALT SURFACE	L.S.						
X	V.T. ASPH. CONC. PAV'T. (1/2 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.						
X	MANHOLE RINGS	EACH						
X	SEWER FRAME ADJUSTMENT	V.F.						
X	MANHOLE SEAL (CITY FURNISHED)	EACH						
X	EROSION CONTROL (TYPE M)	EACH						
X	JOINT & CRACK REPAIR	L.F.	1000					

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W. - 3	RESET - 8	ABANDON - 1
PROJECT IN (SEPARATED) AREA		

DATE / TO	7/22/13	9/4/13	11/18/13
ESTIMATING	1		
HOLLOW WALKS	1		
PUBLIC HEARING	1		
CONSTRUCTION	1	6	6
SEWER	1		
WATER	1		
STREET LIGHTING	1		
BLDG. SEWERS	1		
MEASURING		1	1
FIELD		1	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	1		
WEPCO S/S			
SEWER SERVICES			
UTILITY COOR.	1		
TrafficEng RM506	1		
PLAN SIZE	15	15	

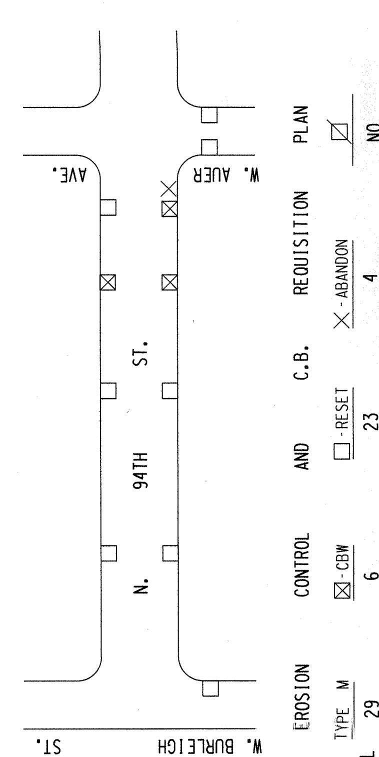
DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

FILE NO. 134

PLAN OF: N. 94TH ST.
W. BURLEIGH ST. TO W. KEEFE AVE.
THIS SECTION: W. BURLEIGH ST. TO W. AUER AVE.

DRAWN BY	G. GUERRA	DATE: 05/07/13	PROJECT NO. ST211130112	SHEET 1 OF 4
DESCRIPTIONS BY	G. GUERRA	DATE: 05/07/13	SCALE 1" = 10'	1/4 SEC. 294 / ALD. DIST. 5
LEVELS BY	B. PLUTA	DATE: 08/08/12		
LEVELS TRANSF. BY		DATE:		
DESIGNED BY	MANHARDT	DATE: 05/06/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST	
GRADES TRANSF. BY	G. GUERRA	DATE: 05/31/13	REVISED: 8/1/13 STORM DRAIN	
CHECKED BY	D. [signature]	DATE: 7/16/13	REVISED:	
APPROVED BY	[signature]	DATE: 7/19/13	REVISED:	

FILE: V:\PWELIB\PAVING\29214.FIN
PLOT DATE: 12-JUL-2013



	EROSION CONTROL TYPE M	C.B. - CBW	C.B. - RESET	C.B. - ABANDON	NO WORK
PROJECT TOTAL	29	6	23	4	
THIS SHEET	11	3	8	1	

(1 OF 4) # 29214 12" X 120" ST211130112 N. 94TH ST., W. BURLEIGH ST. TO W. KEEFE AVE. W. BURLEIGH ST. TO W. AUER AVE.

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.

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.
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						

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W. - 1	RESET - 7	ABANDON - 1
PROJECT IN (SEPARATED) AREA		

DATE / TO		
ESTIMATING	7/22/13	
HOLLOW WALKS	9/4/13	
PUBLIC HEARING	11/18/13	

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

FILE NO. 135

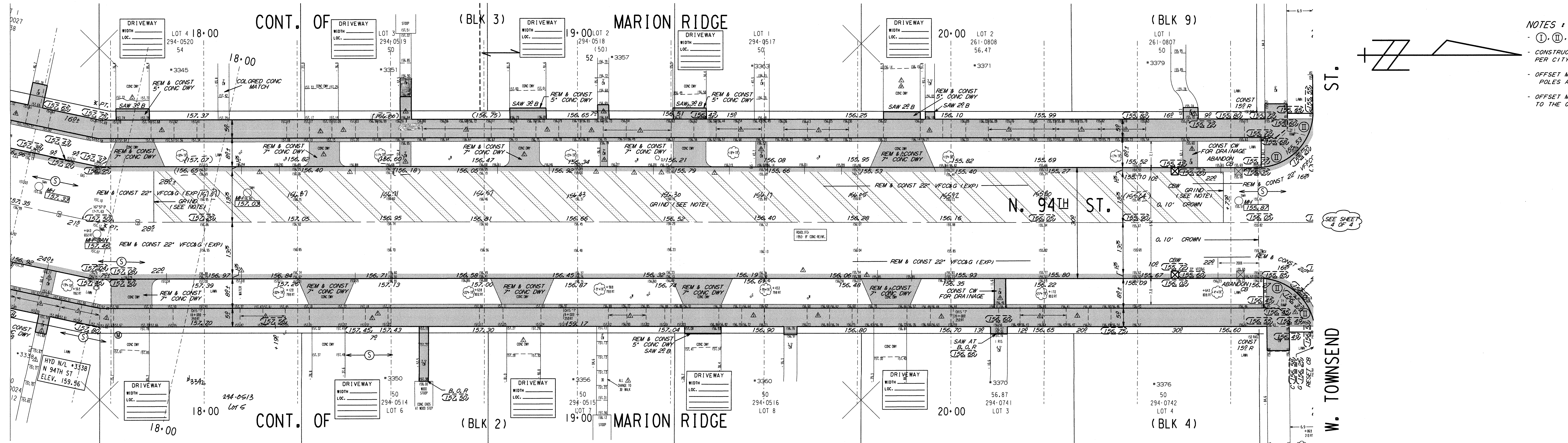
PLAN OF: N. 94TH ST.

W. BURLEIGH ST. TO W. KEEFE AVE.

THIS SECTION: 25' N OF W AUER AVE TO 150' N OF W CONCORDIA ST.

DRAWN BY	G. GUERRA	DATE: 05/07/13	PROJECT NO. ST211130112	SHEET 2 OF 4
DESCRIPTIONS BY	G. GUERRA	DATE: 05/07/13	SCALE 1" = 10'	1/4 SEC. 294 / ALD. DIST. 5
LEVELS BY	B. PLUTA	DATE: 08/08/12		
LEVELS TRANSF. BY		DATE:		
DESIGNED BY	MANHARDT	DATE: 05/06/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST	
GRADES TRANSF. BY	G. GUERRA	DATE: 05/31/13	REVISED:	
CHECKED BY	[signature]	DATE: 7/16/13	REVISED:	
APPROVED BY	[signature]	DATE: 7/19/13	REVISED:	

FILE: V:\PWELIB\PAVING\29214.FIN
PLOT DATE: 12-JUL-2013



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.

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.
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						

THIS SHEET

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

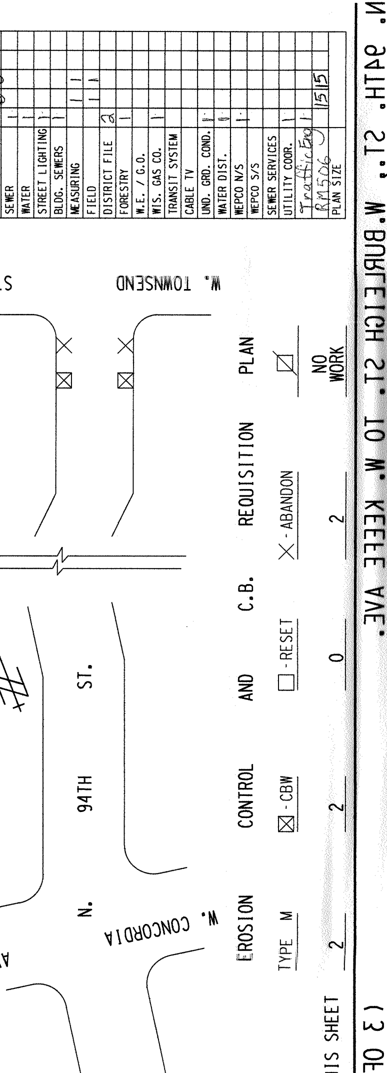
DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

FILE NO. 136

PLAN OF: N. 94TH ST.
W. BURLEIGH ST. TO W. KEEFE AVE.
THIS SECTION: W. CONCORDIA AVE. TO S OF TOWNSEND ST.

DRAWN BY	G. GUERRA	DATE: 05/07/13	PROJECT NO. ST211130112
DESCRIPTIONS BY	G. GUERRA	DATE: 05/07/13	SHEET 3 OF 4
LEVELS BY	B. PLUTA	DATE: 08/08/12	SCALE 1" = 10'
LEVELS TRANSF. BY		DATE:	1/4 SEC. 294
DESIGNED BY	MANHARDT	DATE: 05/06/13	ALD. DIST. 5
GRADES TRANSF. BY	G. GUERRA	DATE: 05/31/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST
CHECKED BY	D. [signature]	DATE: 7/16/13	REVISED:
APPROVED BY	[signature]	DATE: 7/9/13	REVISED:
FILE: V:\PWELIBYPAVING\29214.FIN			REVISED:
PLOT DATE: 12-JUL-2013			

TO \ DATE	7/23/13	9/4/13	11/18/13
ESTIMATING	1		
HOLLOW WALKS	1		
PUBLIC HEARING	1		
CONSTRUCTION	1	6	6
SEWER	1		
WATER	1		
STREET LIGHTING	1		
BLDG. SEWERS			
MEASURING		1	1
FIELD		1	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	1		
WEPCO S/S			
SEWER SERVICES			
UTILITY COOR.	1		
Traffic Eng RM506	1		
PLAN SIZE	15	15	



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

N. 94TH ST. - W. BURLEIGH ST. TO W. KEEFE AVE. - W. CONCORDIA AVE. TO S OF TOWNSEND ST.
ST211130112
12" X 12"
#29214 (3 OF 4)

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.

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.
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						

PLAN OF: N. 94TH ST.

W. BURLEIGH ST. TO W. KEEFE AVE.

THIS SECTION: W. TOWNSEND ST. TO W. KEEFE AVE.

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

FILE NO. 137

DRAWN BY	G. GUERRA	DATE: 05/07/13	PROJECT NO. ST211130112	SHEET 4 OF 4
DESCRIPTIONS BY	G. GUERRA	DATE: 05/07/13		
LEVELS BY	B. PLUTA	DATE: 08/08/12	SCALE 1"=10'	1/4 SEC. 294 / ALD.DIST. 5
LEVELS TRANSF. BY		DATE:		
DESIGNED BY	MANHARDT	DATE: 05/06/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST	
GRADES TRANSF. BY	G. GUERRA	DATE: 05/31/13	REVISED:	
CHECKED BY	D. [illegible]	DATE: 7/16/13	REVISED:	
APPROVED BY	[illegible]	DATE: 7/19/13	REVISED:	

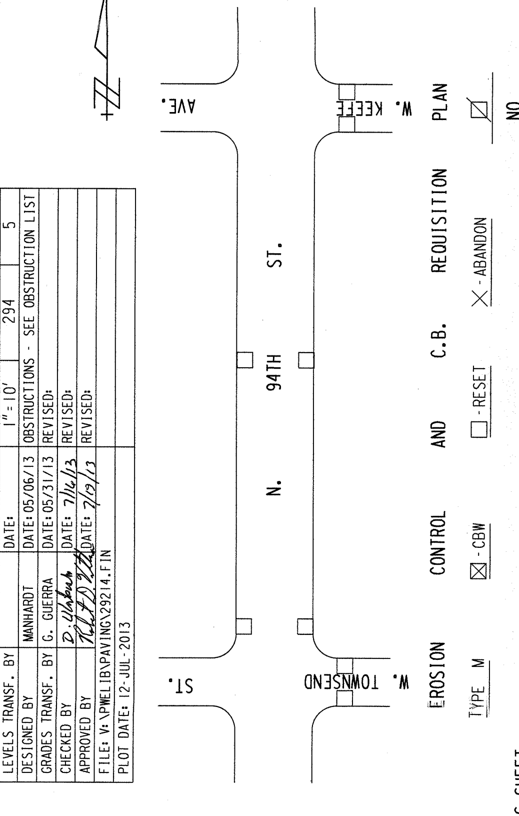
FILE: V:\PWELIBVPAVING\29214.FIN

PLOT DATE: 12-JUL-2013

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 8	ABANDON- 0
PROJECT IN (SEPARATED) AREA		

DATE / TO	7/23/13	9/4/13	11/18/13
ESTIMATING	1		
HOLLOW WALKS	1		
PUBLIC HEARING	1		
CONSTRUCTION	1	6	6
SEWER	1		
WATER	1		
STREET LIGHTING	1		
BLDG. SEWERS			
MEASURING		1	1
FIELD		1	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			
SEWER SERVICES			
UTILITY COOR.	1		
TrafficEng RM506	1		
PLAN SIZE	15	15	



THIS SHEET	EROSION CONTROL	AND	C.B.	REQUISITION	PLAN
8	0	8		0	
TYPE M	☒ - CBW	☐ - RESET		X - ABANDON	NO WORK

(4 OF 4) # 29214 12" X 120" ST211130112

N. 94TH ST., W. BURLEIGH ST. TO W. KEEFE AVE., W. TOWNSEND ST. TO W. KEEFE AVE.