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.
- 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

Symbol	Condition
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.
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.						
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.						
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.						
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.(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.						
X	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

FILE NO. 134

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

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
DESCRIPTIONS BY	G. GUERRA	DATE: 05/07/13	
LEVELS BY	B. PLUTA	DATE: 08/08/12	SCALE 1"=10'
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		DATE: 7/16/13	REVISED:
APPROVED BY		DATE: 7/16/13	REVISED:

SHEET 1 OF 4 — 1/4 SEC. 294 — ALD.DIST. 5

PLOT DATE: 12-JUL-2013

EROSION CONTROL AND C.B. REQUISITION	TYPE M	☒-CBW	☐-RESET	X-ABANDON
PROJECT TOTAL	29	6	23	4
THIS SHEET	11	3	8	1

PLAN ☒ NO WORK

N. 94TH ST. W. BURLEIGH ST. TO W. KEEFE AVE. ST211130112 15' X 150' (1 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.

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
- VG VERY GOOD
- VP VERY POOR

FILE NO. 135

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

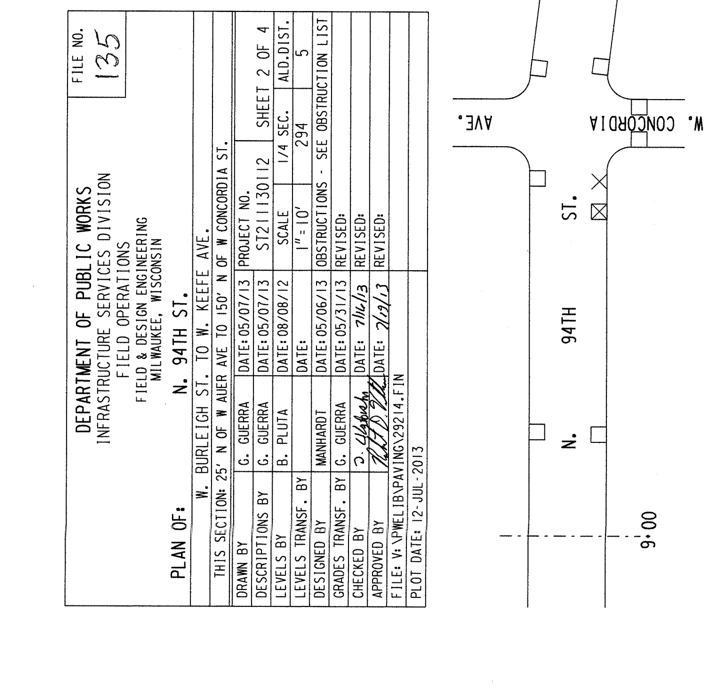
DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

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.
DESCRIPTIONS BY	G. GUERRA	DATE: 05/07/13	ST211130112
LEVELS BY	B. PLUTA	DATE: 08/08/12	SCALE 1"=10'
LEVELS TRANSF. BY		DATE:	OBSTRUCTIONS - SEE OBSTRUCTION LIST
DESIGNED BY	MANHARDT	DATE: 05/06/13	REVISED:
GRADES TRANSF. BY	G. GUERRA	DATE: 05/31/13	REVISED:
CHECKED BY		DATE: 7/1/13	REVISED:
APPROVED BY		DATE: 7/1/13	REVISED:
FILE N:\PWELIB\PAVING\29214.FIN			
PLOT DATE: 12-JUL-2013			

SHEET 2 OF 4 — 1/4 SEC. 294 — ALD. DIST. 5

TO	DATE
ESTIMATING	
HOLLOW WALKS	
PUBLIC HEARING	
CONSTRUCTION	
SEWER	
WATER	
STREET LIGHTING	
BLDG. SEWERS	
MEASURING	
FIELD	
DISTRICT FILE	
FORESTRY	
W.E. / G.O.	
WIS. GAS CO.	
TRANSIT SYSTEM	
CABLE TV	
UND. GRD. CONS.	
WATER DIST.	
WEPCO N/S	
WEPCO S/S	
SEWER SERVICES	
UTILITY COOR.	
PLAN SIZE	15

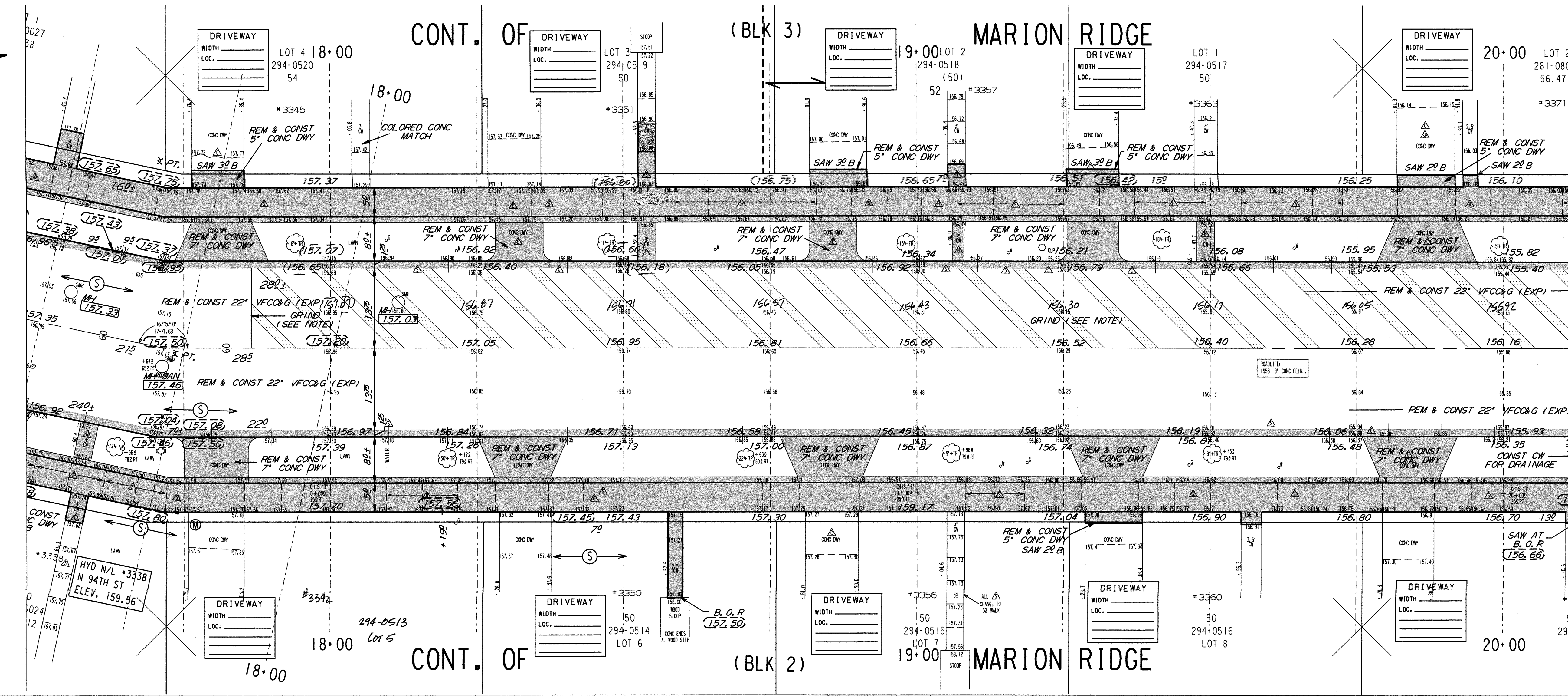


EROSION CONTROL AND C.B. REQUISITION PLAN

THIS SHEET TYPE M 8 — ☒-CBW 7 — ☐-RESET — ✕-ABANDON 1 — NO WORK

ST211130115 — N. 94TH ST. W. BURLEIGH ST. TO W. KEEFE AVE.

S2514 # (2 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.

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
VG	VERY GOOD
VP	VERY POOR

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

FILE NO. 136

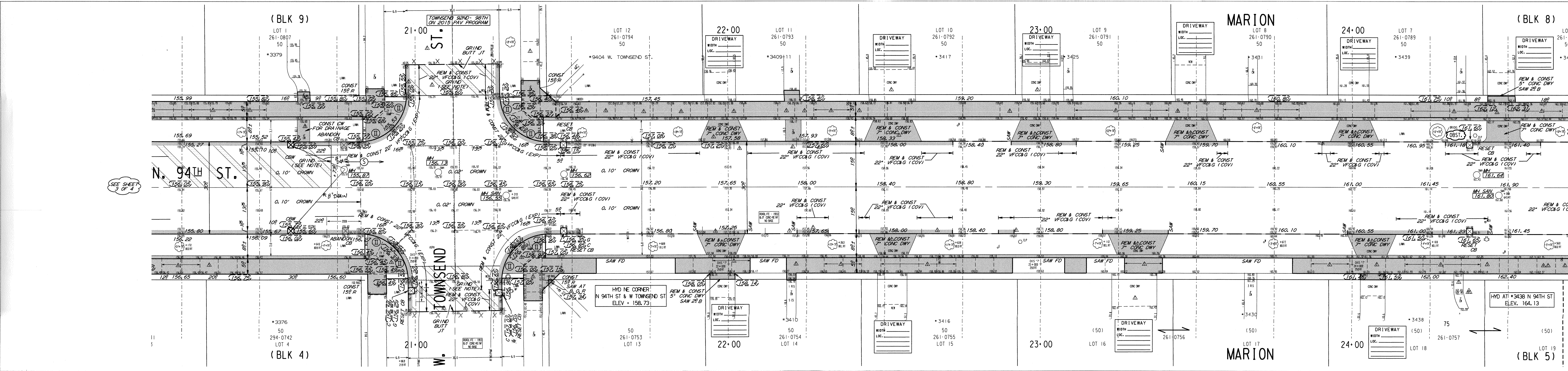
DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

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 · ALD. DIST. 5
DESIGNED BY MANHARDT	DATE: 05/06/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST
GRADES TRANSF. BY G. GUERRA	DATE: 05/31/13	REVISED:
CHECKED BY	DATE: 7/16/13	REVISED:
APPROVED BY	DATE: 7/19/13	REVISED:
PLOT DATE: 12-JUL-2013		

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

N. 94TH ST. W. BURLEIGH ST. TO W. KEEFE AVE.
ST211130112
15' X 150'
THIS SHEET (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.

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
- VG VERY GOOD
- VP VERY POOR

FILE NO. 137

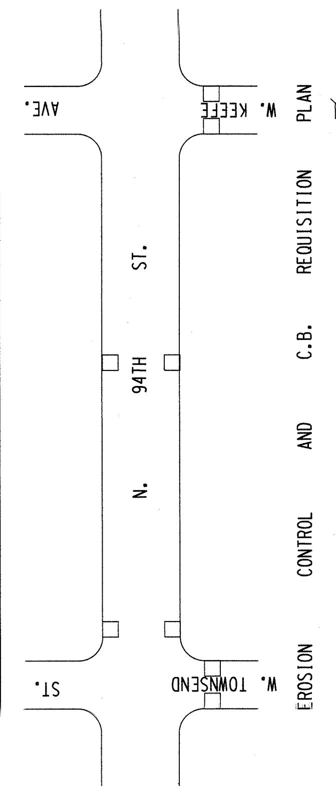
DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

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

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. Urbanek	DATE: 7/16/13	REVISED:		
APPROVED BY	[signature]	DATE: 7/19/13	REVISED:		
FILE: V:\PWELIB\PAVING\29214.FIN					
PLOT DATE: 12-JUL-2013					

THIS SHEET

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



EROSION CONTROL AND C.B. REQUISITION PLAN				
	TYPE M	☒-CBW	☐-RESET	X-ABANDON
THIS SHEET	8	0	8	0

☒ NO WORK

TO \ DATE	7/23/13	9/4/13
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	1	
WEPCO S/S		
SEWER SERVICES		
UTILITY COOR.	1	
Traffic Eng RM506	1	
PLAN SIZE		15

N. 94TH ST. W. BURLEIGH ST. TO W. KEEFE AVE.
W. TOWNSEND ST. TO W. KEEFE AVE.
ST211130112 12" X 120" S2514 # 15 (4 OF 4)