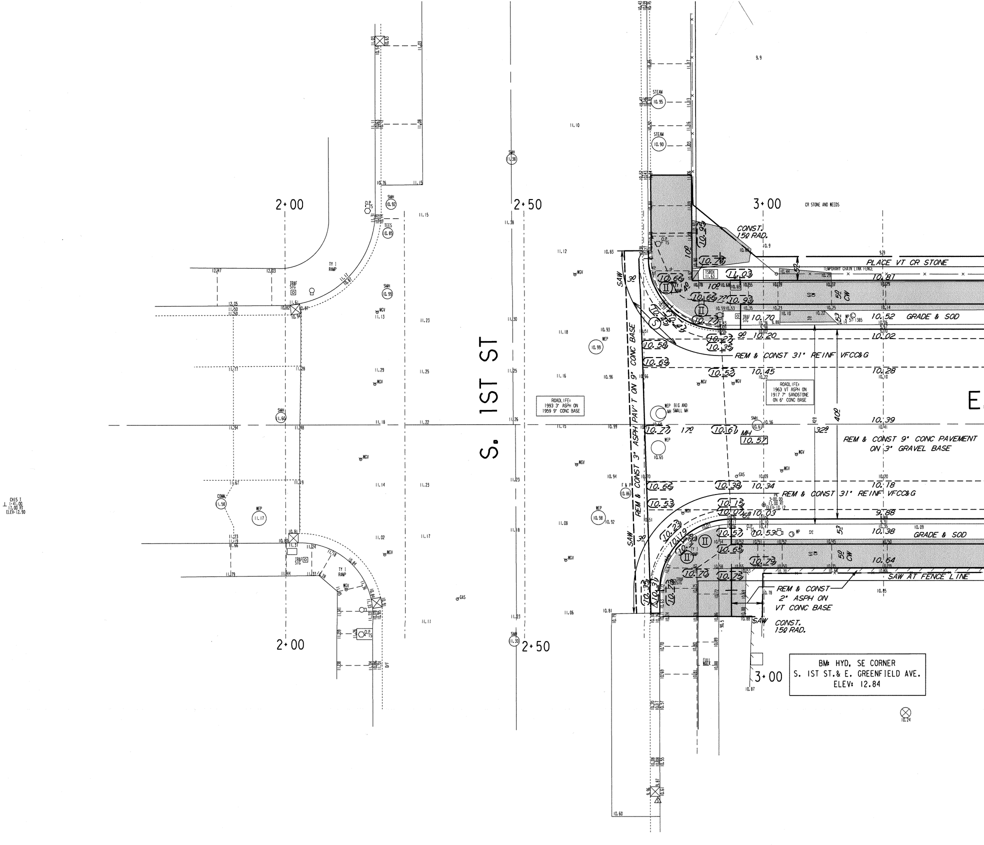
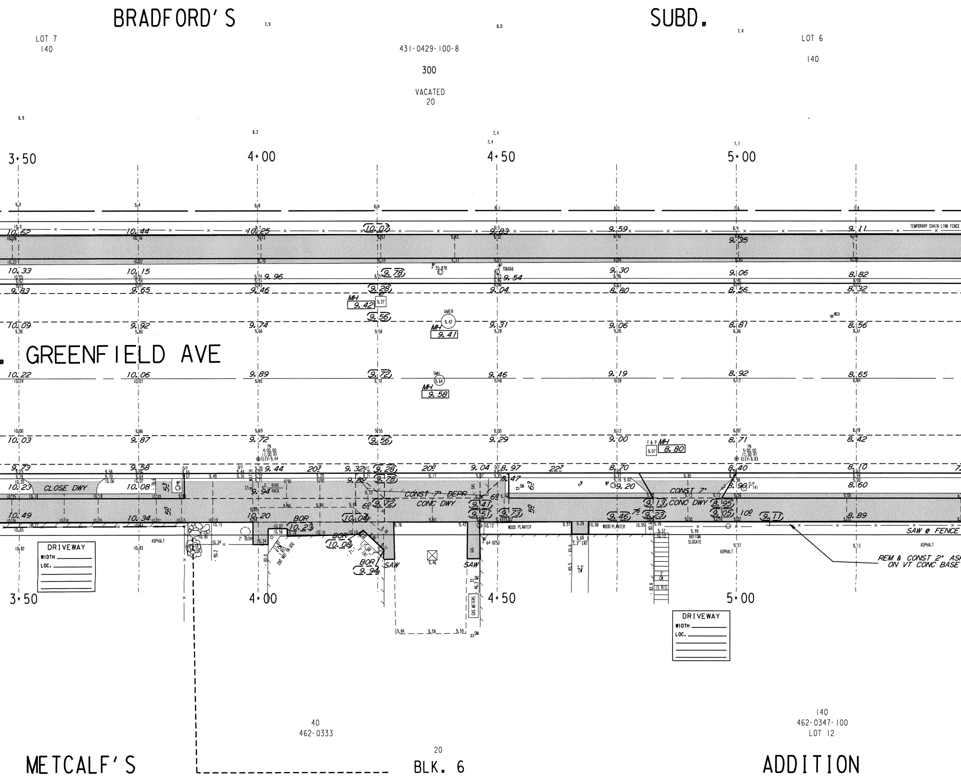
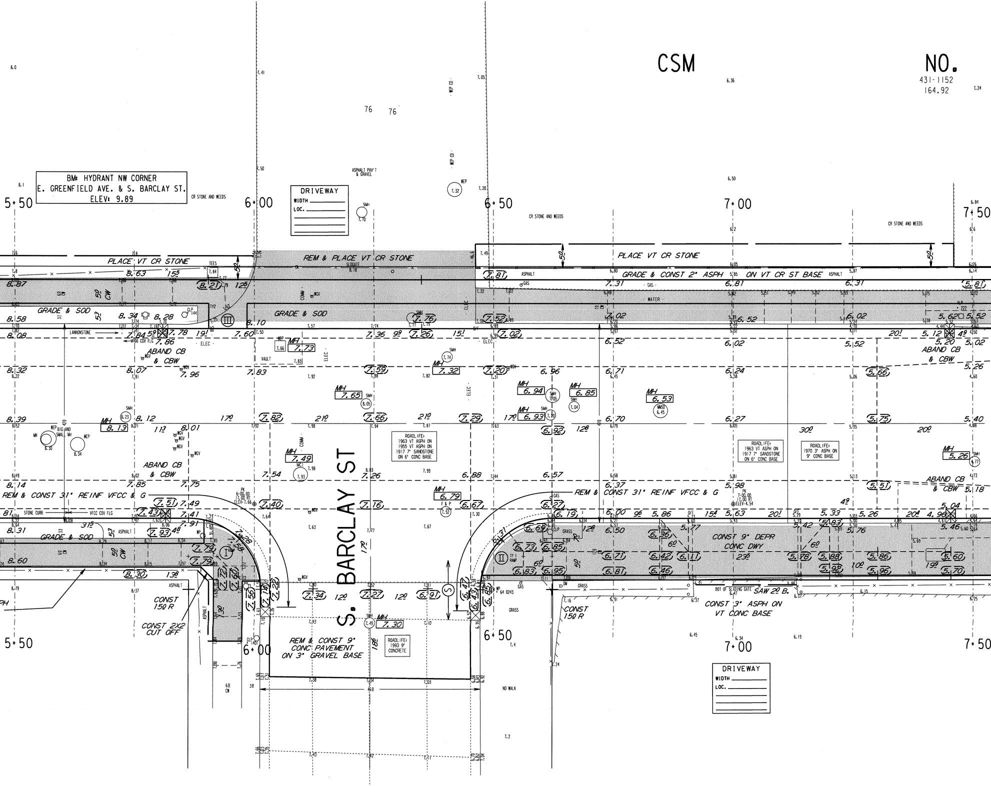
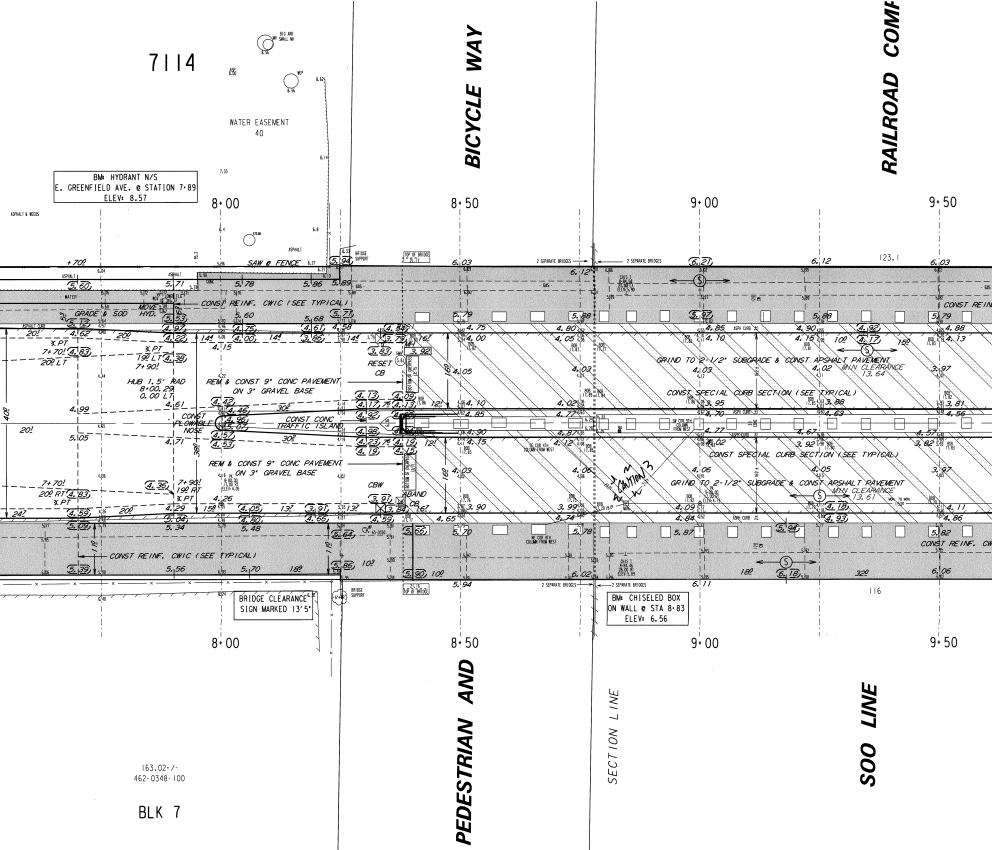
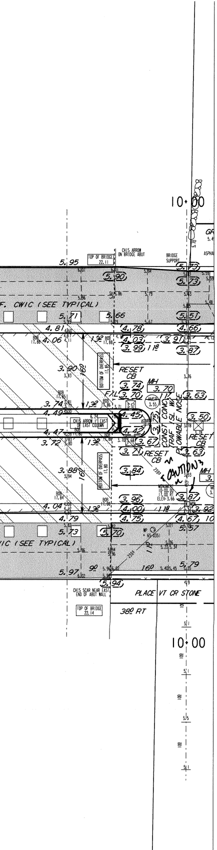

2+00
2+50
3+00
S. 1ST ST
E
CONST. 15' RAD.
PLACE VT CR STONE
TEMPORARY CHAIN LINK FENCE
CR STONE AND WEEDS
GRADE & SOD
REM & CONST 31" REINF VFCC&G
ROADLIFE: 1963 VT ASPH ON 1917 7" SANDSTONE ON 6" CONC BASE
ROADLIFE: 1993 3" ASPH ON 1959 9" CONC BASE
REM & CONST 9" CONC PAVEMENT ON 3" GRAVEL BASE
REM & CONST 3" ASPH PAV'T ON 9" CONC BASE
SAW
SAW AT FENCE LINE
REM & CONST 2" ASPH ON VT CONC BASE
BM: HYD, SE CORNER S. 1ST ST.& E. GREENFIELD AVE. ELEV: 12.84
CHIS T 1+41.00 17.00 RT ELEV: 12.90
PK 3+00.00 17.00 RT ELEV: 10.12
WEP BIG AND SMALL MH
STEAM
SMH
WEP
WGV
TRAF STG
TY I RAMP
TSBOX
CLP TS
TEES
COMM
GAS
MH
F & P
FULL WALK
5' CW
40'
32'
17'
30'
10'
9'
52'
53'


BRADFORD'S SUBD.
LOT 7
140
431-0429-100-8
300
VACATED
20
LOT 6
140
3+50
4+00
4+50
5+00
TEMPORARY CHAIN LINK FENCE
GREENFIELD AVE
MH 9.42
MH 9.41
MH 9.58
AMER
SMH
F & P MH 8.80
PK 4+00.00 17.00 RT ELEV 9.44
PK 5+00.00 17.00 RT ELEV 8.83
CLOSE DWY
CONST 7" DEPR CONC DWY
CONST 7" CONC DWY
BIKE RACK
BOR
SAW
WOOD PLANTER
BOTTOM SLOGATE
ASPHALT
GAS METERS
SAW @ FENCE
REM & CONST 2" ASI ON VT CONC BASE
DRIVEWAY
WIDTH
LOC.
40
462-0333
140
462-0347-100
LOT 12
20
METCALF'S
BLK. 6
ADDITION


CSM
NO.
431-1152
164.92
BM: HYDRANT NW CORNER
E. GREENFIELD AVE. & S. BARCLAY ST.
ELEV: 9.89
DRIVEWAY
WIDTH
LOC.
5+50
6+00
6+50
7+00
7+50
CR STONE AND WEEDS
ASPHALT PAV'T & GRAVEL
PLACE VT CR STONE
REM & PLACE VT CR STONE
GRADE & CONST 2" ASPH ON VT CR ST BASE
GRADE & SOD
ABAND CB & CBW
REM & CONST 31" REINF VFCC & G
CONST 9" DEPR CONC DWY
CONST 3" ASPH ON VT CONC BASE
SAW 2" B.
CONST 15' R
CONST 2X2 CUT OFF
REM & CONST 9" CONC PAVEMENT ON 3" GRAVEL BASE
S. BARCLAY ST
ROADLIFE: 1963 VT ASPH ON 1955 VT ASPH ON 1917 7" SANDSTONE ON 6" CONC BASE
ROADLIFE: 1963 VT ASPH ON 1917 7" SANDSTONE ON 6" CONC BASE
ROADLIFE: 1970 3" ASPH ON 9" CONC BASE
ROADLIFE: 1993 9" CONCRETE
MH
SMH
WEP
ELEC
GAS
WATER
COMM
VAULT
LANNONSTONE
STONE CURB
VFCC COV FLG
ASPHALT
GRASS
NO WALK
BOT OF SLIDING GATE
PK 6+00.00 17.00 RT ELEV=7.66
PK 7+00.00 17.00 RT ELEV=4.54
TY 1 RAMP
I
II
III

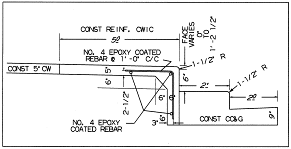

7114
BIG AND SMALL MH
WATER EASEMENT
40
BM: HYDRANT N/S
E. GREENFIELD AVE. @ STATION 7+89
ELEV: 8.57
ASPHALT & WEEDS
8+00
8+50
9+00
9+50
BICYCLE WAY
PEDESTRIAN AND
RAILROAD COMP
SOO LINE
SECTION LINE
SAW @ FENCE
BRIDGE SUPPORT
TOP OF BRIDGE
2 SEPARATE BRIDGES
CONST REINF. CWIC (SEE TYPICAL)
GRADE & SOD
MOVE HYD.
REM & CONST 9" CONC PAVEMENT ON 3" GRAVEL BASE
CONST PLOWABLE NOSE
CONST CONC TRAFFIC ISLAND
HUB 1.5' RAD 8+00.29 0.00 LT
RESET CB
CBW
ABAND CB
MH
BOTTOM OF OVERPASS
GRIND TO 2-1/2" SUBGRADE & CONST APSHALT PAVEMENT
MIN CLEARANCE 13.64
MIN CLEARANCE 13.61
CONST SPECIAL CURB SECTION (SEE TYPICAL)
ASPH CURB
CAUTION
BRIDGE CLEARANCE SIGN MARKED 13'5"
BM: CHISELED BOX ON WALL @ STA 8+83 ELEV: 6.56
123.1
116
163.02+/-
462-0348-100
BLK 7


10+00
GR
ASPH
CHIS ARROW ON BRIDGE ABUT
TOP OF BRIDGE 22.11
BRIDGE SUPPORT
5.95
5.90
5.73
CWIC (SEE TYPICAL)
5.71
5.66
5.51
4.81
4.78
4.66
4.06
4.03
3.97
3.99
3.87
BOTTOM OF OVERPASS 11.85
RESET CB
3.90
3.74
MH
3.70
3.63
FAL
3.74
1.32
4.49
4.45
3.50
CHIS ARROW 1' EAST OF EAST COLUMN
CONST CONC TRAF ISL W/ PLOWABLE NOSE
4.47
4.42
RESET CB
3.72
1.32
3.67
3.71
RESET CB
3.63
CAUTION
3.88
3.84
MH
BOTTOM OF OVERPASS 11.80
MONUMENT 10-00.00 17.00 RT ELEV-3.66
3.96
3.87
4.04
1.32
4.00
1.18
3.92
4.79
4.75
4.67
5.73
5.70
5.57
IC (SEE TYPICAL)
5.97
5.94
5.79
PLACE VT CR STONE
CHIS SCAR NEAR EAST END OF ABUT WALL
TOP OF BRIDGE 22.14
38.0 RT
10+00

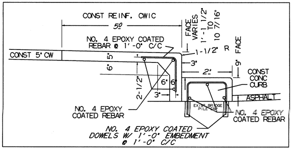
SEE SHEET 2 OF 3

NOTES :

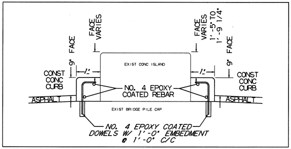
- Ⓘ, Ⓘ, Ⓘ, *DENOTES RAMP TYPE.*
- *CONSTRUCT ALL CARRIAGE WALKS AND DRIVEWAYS PER CITY OF MILWAUKEE SPECIFICATIONS.*
- *OFFSET MEASUREMENTS TO TREES, WOOD POLES AND LIGHT POLES ARE TAKEN TO EDGE NEAREST THE CENTERLINE.*
- *OFFSET MEASUREMENTS TO HYDRANTS ARE TAKEN TO THE OPERATING NUT.*
- *IT IS CRUCIAL THAT ASPH GRADES UNDER BRIDGE BE MET TO MAINTAIN BRIDGE CLEARANCE*
- *ANY TREES TO BE REMOVED AS PART OF THIS PROJECT WILL BE INDICATED IN THE CONTRACT SPECIAL PROVISIONS.*
- *BOX-OUT NOTE:*
  CONSTRUCT MIN 4' X 6.17' BOX-OUT- 9" CONC PAV'T TO BE PLACED AFTER POROUS PAVERS ARE INSTALLED.


CONST REINF. CWIC
5.0
NO. 4 EPOXY COATED REBAR @ 1'-0" C/C
FACE VARIES 0" TO 1'-2 1/2"
1-1/2" R
1-1/2" R
CONST 5' CW
5"
6"
6"
6"
2-1/2"
2'
2.0
3"
6"
NO. 4 EPOXY COATED REBAR
CONST CC&G
9"

SECTION UNDER BRIDGE STA 8+38 TO 9+85 (OUTSIDE CURBS)


CONST REINF. CWIC
5.0
NO. 4 EPOXY COATED REBAR @ 1'-0" C/C
FACE VARIES 1'-1 1/2" TO 1'-10 7/16"
1-1/2" R
9" FACE
CONST 5' CW
5"
6"
3"
2'
CONST CONC CURB
2-1/2"
6"
3"
ASPHALT
NO. 4 EPOXY COATED REBAR
EXIST BRIDGE PILE CAP
NO. 4 EPOXY COATED REBAR
NO. 4 EPOXY COATED DOWELS W/ 1'-0" EMBEDMENT @ 1'-0" C/C

SECTION UNDER BRIDGE STA 8+38 TO 9+85 (CENTER CURBS)

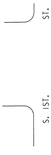

9" FACE
FACE VARIES
FACE VARIES 1'-5" TO 1'-9 1/4"
9" FACE
EXIST CONC ISLAND
CONST CONC CURB
1'
1'
CONST CONC CURB
NO. 4 EPOXY COATED REBAR
ASPHALT
ASPHALT
EXIST BRIDGE PILE CAP
NO. 4 EPOXY COATED DOWELS W/ 1'-0" EMBEDMENT @ 1'-0" C/C

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.
☒	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.						
☒	WALL &/OR FOOTING REMOVAL	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.						
☒	9" CONCRETE DRIVEWAY	S.F.						
☒	9" 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.(1/4" MAX.)	S.Y.						
	VT CRUSHED STONE DWY	TON						
X	6" 3/4" WASHED STONE	S.Y.						
☒	12" 2" WASHED STONE	S.Y.						
X	3" CRUSHED GRAVEL BASE	S.Y.						
☒	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						
☒	FENCE REMOVAL	L.F.						



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

FILE NO. 499

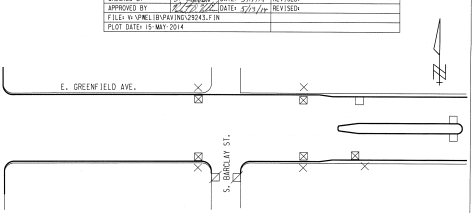
PLAN OF: E. GREENFIELD AVE. (1400S, 100E)

KINNICKINNIC RIVER TO S. 1ST ST.

THIS SECTION: STA 10+00 TO S. 1ST ST.

DRAWN BY	G. LANGE	DATE: 9-6-12	PROJECT NO. ST 211 13 0136	SHEET 1 OF 3	
DESCRIPTIONS BY		DATE:			
LEVELS BY	KLINKIEWICZ	DATE: 09/19/11	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY	KLINKIEWICZ	DATE: 11/08/11	1" = 10'	430, 431, 462	12
DESIGNED BY	S. CULL	DATE: 01/11/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY		DATE:	REVISED:		
CHECKED BY	D. Ulatowski	DATE: 5/17/14	REVISED:		
APPROVED BY		DATE: 5/19/14	REVISED:		
FILE: V:\PWELIB\PAVING\29243.FIN					
PLOT DATE: 15-MAY-2014					

STORM DRAINAGE UNITS		
C.B.W. - 18	RESET - 4	ABANDON - 25
PROJECT IN SEPARATED AREA		

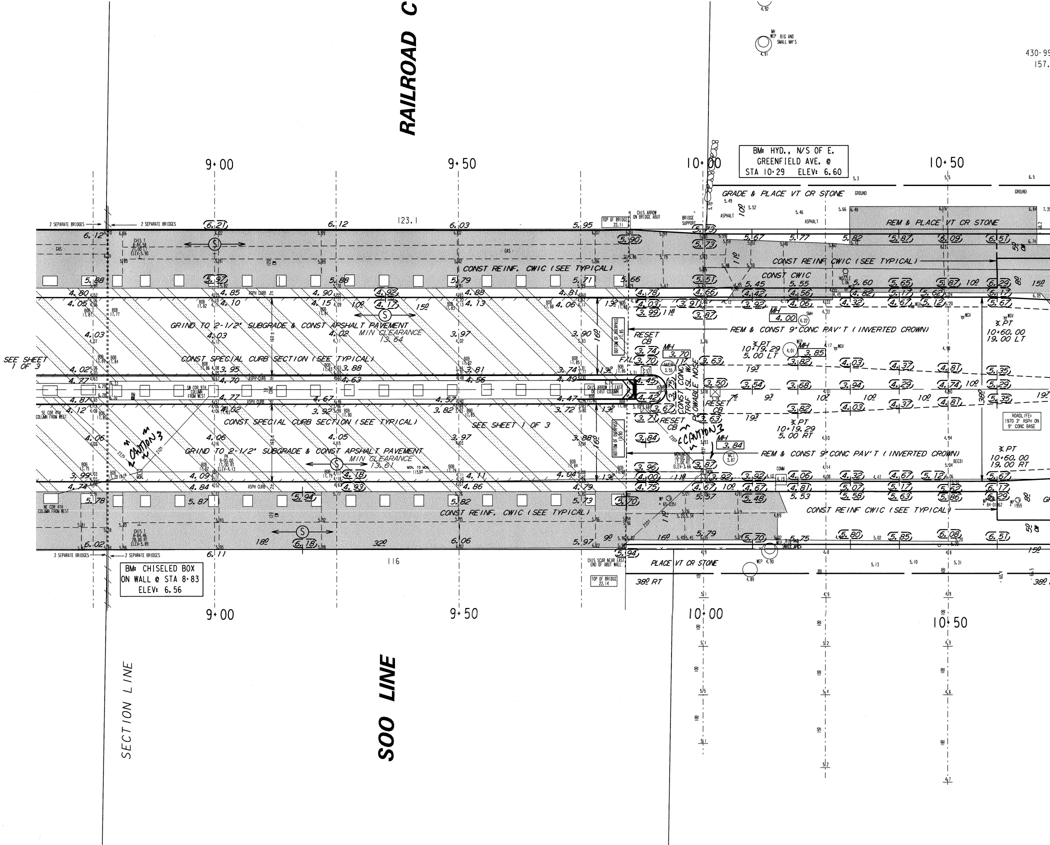

E. GREENFIELD AVE.
S. BARCLAY ST.

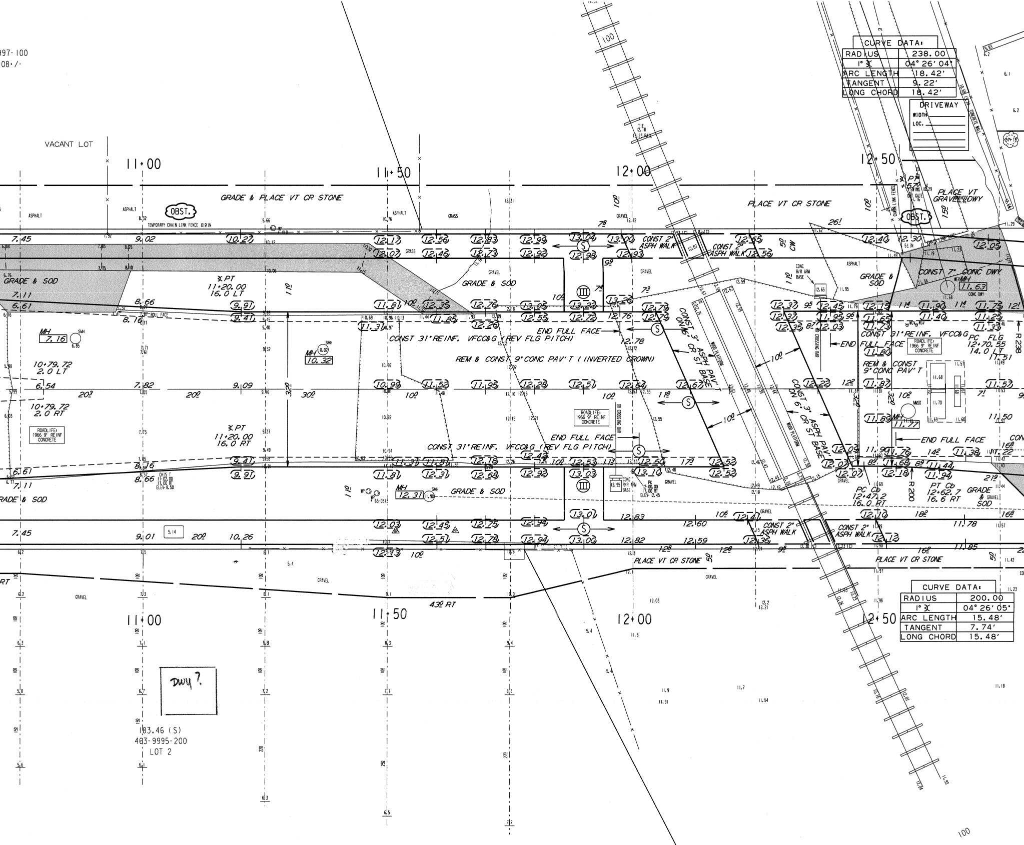
EROSION	CONTROL	AND	C.B.	REQUISITION	PLAN
	TYPE M	☒ - CBW	☐ - RESET	✕ - ABANDON	▨ NO WORK
THIS SHEET	10	5	3	5	

DATE / TO	5/20/14	5/28/14			
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	1				
RM 506		15			
PLAN SIZE					

E. GREENFIELD AVE., KINNICKINNIC RIVER TO S. 1ST ST.

STA 10+00 TO S. 1ST ST.   ST211130136   18" X 120"   29243   # 499   (1 OF 3)

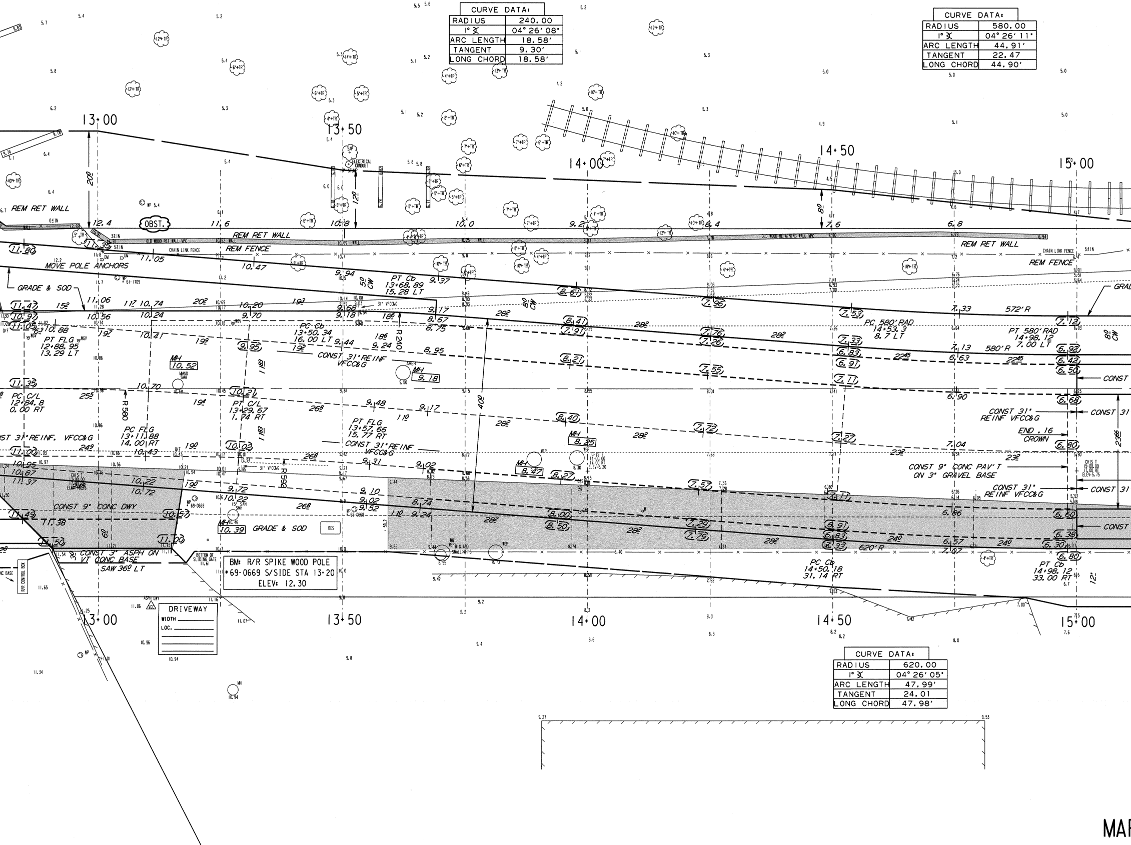

RAILROAD C
SOO LINE
SECTION LINE
9+00
9+50
10+00
10+50
BM: HYD., N/S OF E. GREENFIELD AVE. @ STA 10+29 ELEV: 6.60
BM: CHISELED BOX ON WALL @ STA 8+83 ELEV: 6.56
SEE SHEET 1 OF 3
SEE SHEET 1 OF 3
2 SEPARATE BRIDGES
CONST REINF. CWIC (SEE TYPICAL)
GRIND TO 2-1/2" SUBGRADE & CONST APSHALT PAVEMENT
MIN CLEARANCE 13.64
CONST SPECIAL CURB SECTION (SEE TYPICAL)
CONST SPECIAL CURB SECTION (SEE TYPICAL)
GRIND TO 2-1/2" SUBGRADE & CONST APSHALT PAVEMENT
MIN CLEARANCE 13.61
CONST REINF. CWIC (SEE TYPICAL)
CAUTION 3
CAUTION 3
GRADE & PLACE VT CR STONE
REM & PLACE VT CR STONE
CONST REINF CWIC (SEE TYPICAL)
CONST CWIC
REM & CONST 9" CONC PAV'T (INVERTED CROWN)
REM & CONST 9" CONC PAV'T (INVERTED CROWN)
CONST REINF CWIC (SEE TYPICAL)
PLACE VT CR STONE
RESET CB
RESET CB
MH 3.70
MH 3.85
MH 3.84
MH 4.00
CONST CONC TRAFFIC ISL W/ PLOWABLE NOSE
℄ PT 10+19.29 5.00 LT
℄ PT 10+19.29 5.00 RT
℄ PT 10+60.00 19.00 LT
℄ PT 10+60.00 19.00 RT
ROADLIFE: 1970 3" ASPH ON 9" CONC BASE
TOP OF BRIDGE 22.11
TOP OF BRIDGE 22.14
BOTTOM OF OVERPASS 17.85
BOTTOM OF OVERPASS 17.80
123.1
116
38º RT
430-99
157.


997-100
08+/-
VACANT LOT
11+00
11+50
12+00
12+50
GRADE & PLACE VT CR STONE
PLACE VT CR STONE
PLACE VT GRAVEL DWY
OBST.
TEMPORARY CHAIN LINK FENCE
ASPHALT
GRASS
GRAVEL
GRADE & SOD
℄ PT 11+20.00 16.0 LT
℄ PT 11+20.00 16.0 RT
10+79.72 2.0 LT
10+79.72 2.0 RT
MH 7.16
MH 10.32
MH 12.31
CONST 31" REINF. VFCC&G (REV FLG PITCH)
REM & CONST 9" CONC PAV'T (INVERTED CROWN)
END FULL FACE
CONST 2" ASPH WALK
CONST 3" ASPH PAV'T ON 6" CR ST BASE
WOOD PLATFORM
RR CROSSING BAR
CONC R/R ARM BASE
PK 12+00.00 17.00 RT ELEV. 12.45
CHIS T 11+02.00 17.00 RT ELEV. 8.50
ROADLIFE: 1966 9" REINF CONCRETE
CONST 7" CONC DWY
REM & CONST 9" CONC PAV'T
PC FLG 12+70.55 14.0 LT
PC Cb 12+47.2 16.0 RT
PT Cb 12+62.7 16.6 RT
PT 570
R 238
R 200
GRADE & GRAVEL SOD
CONCRETE WALL
CHAIN LINK FENCE
SWING GATE
43º RT
183.46 (S)
403-9995-200
LOT 2
Dwy?
100

CURVE DATA:	
RADIUS	238.00
I° ℄	04° 26' 04"
ARC LENGTH	18.42'
TANGENT	9.22'
LONG CHORD	18.42'

DRIVEWAY
WIDTH ____
LOC. ____

CURVE DATA:	
RADIUS	200.00
I° ℄	04° 26' 05"
ARC LENGTH	15.48'
TANGENT	7.74'
LONG CHORD	15.48'



13+00
13+50
14+00
14+50
15+00
REM RET WALL
OBST.
OLD WOOD RET WALL VPC
OLD WOOD RETAINING WALL VPC
REM FENCE
CHAIN LINK FENCE
MOVE POLE ANCHORS
GRADE & SOD
PT FLG 12+88.95 13.29 LT
PC C/L 12+84.8 0.00 RT
PC FLG 13+11.88 14.00 RT
PT C/L 13+29.67 1.74 RT
PC Cb 13+50.34 16.00 LT
PT Cb 13+68.89 15.28 LT
PT FLG 13+57.66 15.77 RT
CONST 31" REINF VFCC&G
ST 31" REINF. VFCC&G
CONST 9" CONC DWY
CONST 3" ASPH ON VT CONC BASE
SAW 36º LT
MH 10.52
MH 9.18
MH 8.25
MH 8.47
MH 10.39
R 240
R 580
R 590
PC 580' RAD 14+53.3 8.7 LT
PT 580' RAD 14+98.12 7.00 LT
572' R
580' R
620' R
PC Cb 14+50.18 31.14 RT
PT Cb 14+98.12 33.00 RT
CONST 31" REINF VFCC&G
END .16 CROWN
CONST 9" CONC PAV'T ON 3" GRAVEL BASE
CONST
GRAD
R/R CONTROL BOX
ELECTRICAL CONDUIT
BOTTOM OF SLIDING GATE
MAR

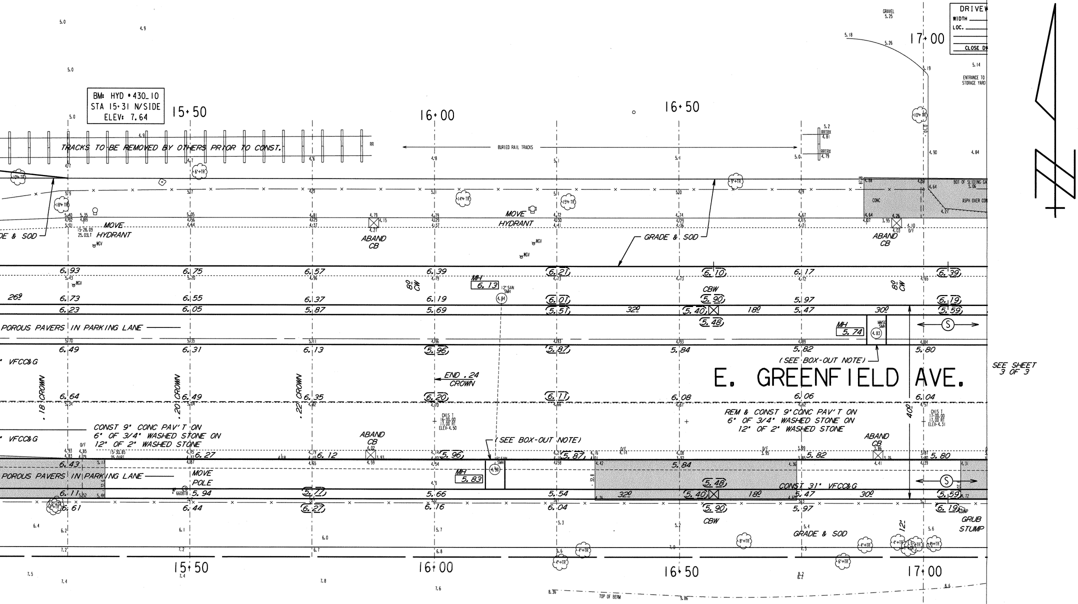
CURVE DATA:	
RADIUS	240.00
I° Δ	04° 26' 08"
ARC LENGTH	18.58'
TANGENT	9.30'
LONG CHORD	18.58'

CURVE DATA:	
RADIUS	580.00
I° Δ	04° 26' 11"
ARC LENGTH	44.91'
TANGENT	22.47
LONG CHORD	44.90'

BM: R/R SPIKE WOOD POLE
• 69-0669 S/SIDE STA 13+20
ELEV: 12.30

DRIVEWAY
WIDTH
LOC.

CURVE DATA:	
RADIUS	620.00
I° Δ	04° 26' 05"
ARC LENGTH	47.99'
TANGENT	24.01
LONG CHORD	47.98'


BM: HYD • 430_10
STA 15+31 N/SIDE
ELEV: 7.64
15+50
16+00
16+50
17+00
DRIVEW
WIDTH
LOC.
CLOSE DR
GRAVEL 5.25
ENTRANCE TO STORAGE YARD
TRACKS TO BE REMOVED BY OTHERS PRIOR TO CONST.
BURIED RAIL TRACKS
MOVE HYDRANT
MOVE HYDRANT
ABAND CB
ABAND CB
GRADE & SOD
GRADE & SOD
BOT OF SLIDING GATE 5.06
ASPH OVER CONC
CONC
MH 6.13
12" SAN SMH
CBW
80' CW
80' CW
26º
32º
18º
30º
POROUS PAVERS IN PARKING LANE
MH 5.74
MWSD SMH
(SEE BOX-OUT NOTE)
E. GREENFIELD AVE.
SEE SHEET 3 OF 3
VFCC&G
.18 CROWN
.20 CROWN
.22 CROWN
END .24 CROWN
REM & CONST 9" CONC PAV'T ON 6" OF 3/4" WASHED STONE ON 12" OF 2" WASHED STONE
CONST 9" CONC PAV'T ON 6" OF 3/4" WASHED STONE ON 12" OF 2" WASHED STONE
VFCC&G
CHIS T 16+00.00 17.00 RT ELEV-4.50
CHIS T 17+00.00 17.00 RT ELEV-4.31
40'
(SEE BOX-OUT NOTE)
ABAND CB
ABAND CB
POROUS PAVERS IN PARKING LANE
MOVE POLE
MH 5.83
CONST 31" VFCC&G
CBW
GRADE & SOD
GRUB STUMP
12'
TOP OF BERM
6.93
6.75
6.57
6.39
6.21
6.10
6.17
6.39
6.73
6.55
6.37
6.19
6.01
5.90
5.97
6.19
6.23
6.05
5.87
5.69
5.51
5.40
5.47
5.59
5.48
6.49
6.31
6.13
5.96
5.87
5.84
5.82
5.80
6.64
6.49
6.35
6.20
6.11
6.08
6.06
6.04
6.27
6.12
5.96
5.87
5.82
5.80
6.43
5.84
5.48
6.11
5.94
5.77
5.66
5.54
5.40
5.47
5.59
6.61
6.44
6.27
6.16
6.04
5.90
5.97
6.19

P OF THAT

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.*

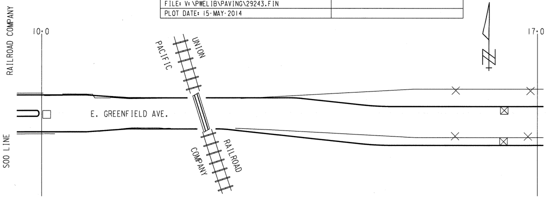
ESTIMATE / CERTIFICATE QUANTITIES

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
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. 500
PLAN OF: E. GREENFIELD AVE. (1300S, 200E)				
KINNICKINNIC RIVER TO S. 1ST ST.				
THIS SECTION: STA 17·50 TO STA 10·00				
DRAWN BY	G. LANGE	DATE: 9-6-12	PROJECT NO. ST 211 13 0136	SHEET 2 OF 3
DESCRIPTIONS BY		DATE:		
LEVELS BY	KLINKIEWICZ	DATE: 09/19/11	SCALE 1"=10'	1/4 SEC. 430, 431, 462 · ALD.DIST. 12
LEVELS TRANSF. BY	KLINKIEWICZ	DATE: 11/08/11		
DESIGNED BY	S. CULL	DATE: 01/11/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST	
GRADES TRANSF. BY		DATE:	REVISED:	
CHECKED BY	D. Ulatowski	DATE: 5/17/14	REVISED:	
APPROVED BY		DATE: 5/19/14	REVISED:	
FILE: V:\PWELIB\PAVING\29243.FIN				
PLOT DATE: 15-MAY-2014				

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


RAILROAD COMPANY
SOO LINE
10+0
UNION PACIFIC
E. GREENFIELD AVE.
RAILROAD COMPANY
17+0

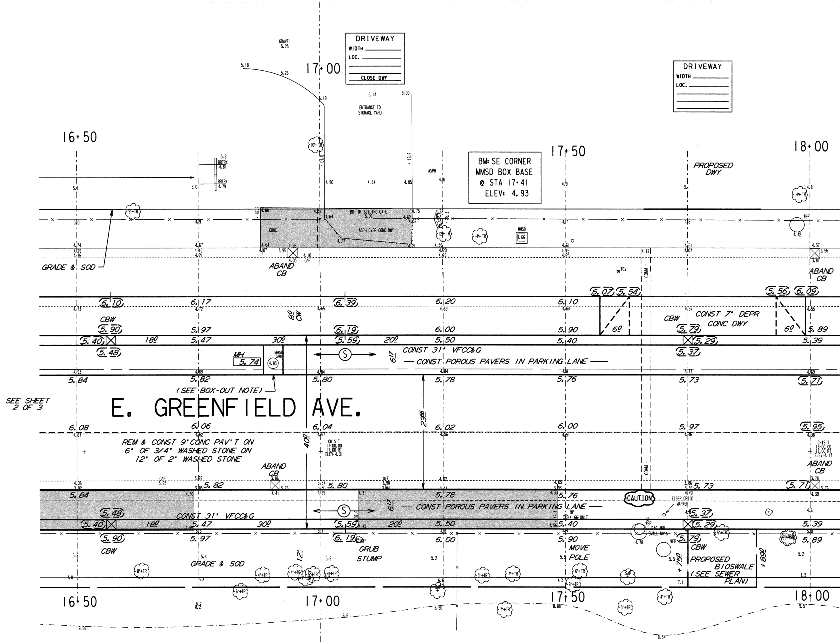
	EROSION CONTROL	AND C.B. REQUISITION PLAN			
	TYPE M	☒ - CBW	☐ - RESET	× - ABANDON	∅ NO WORK
THIS SHEET	3	2	1	4	

TO \ DATE	5/20/14	5/20/14			
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	1				
RM 506		15			
PLAN SIZE					

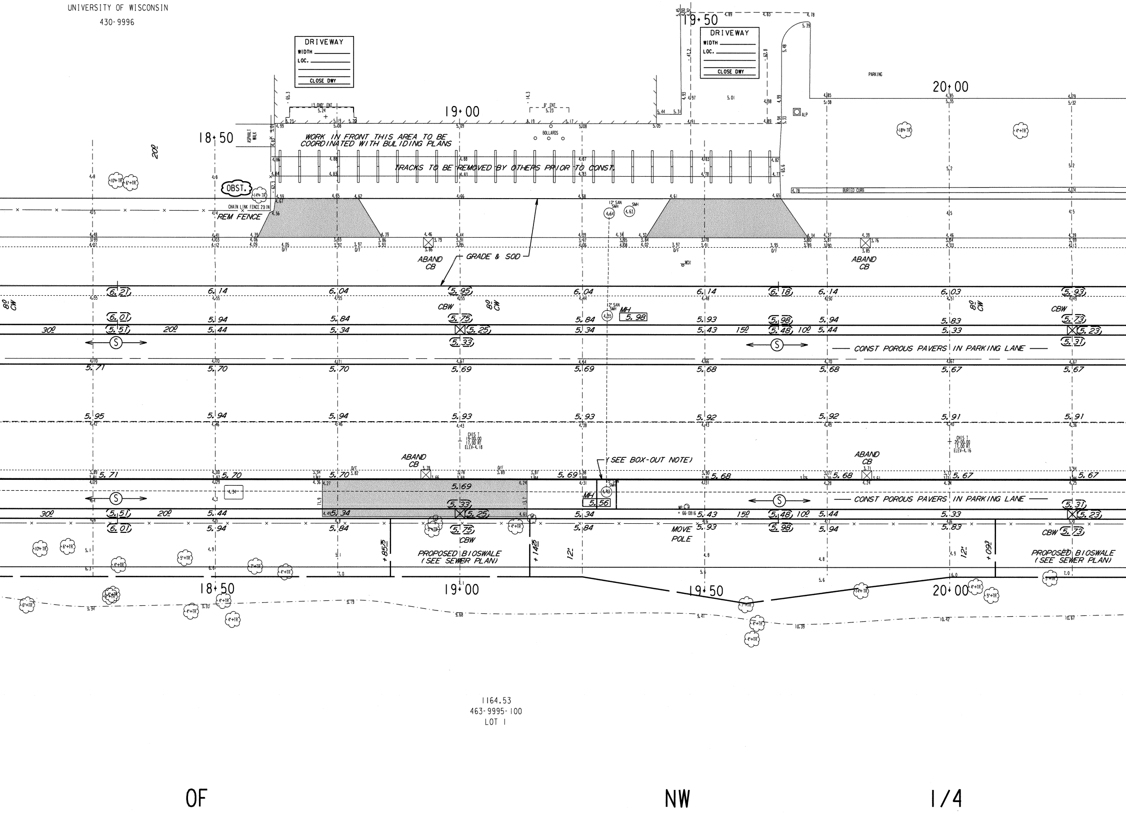
STA 17·50 TO STA 10·00

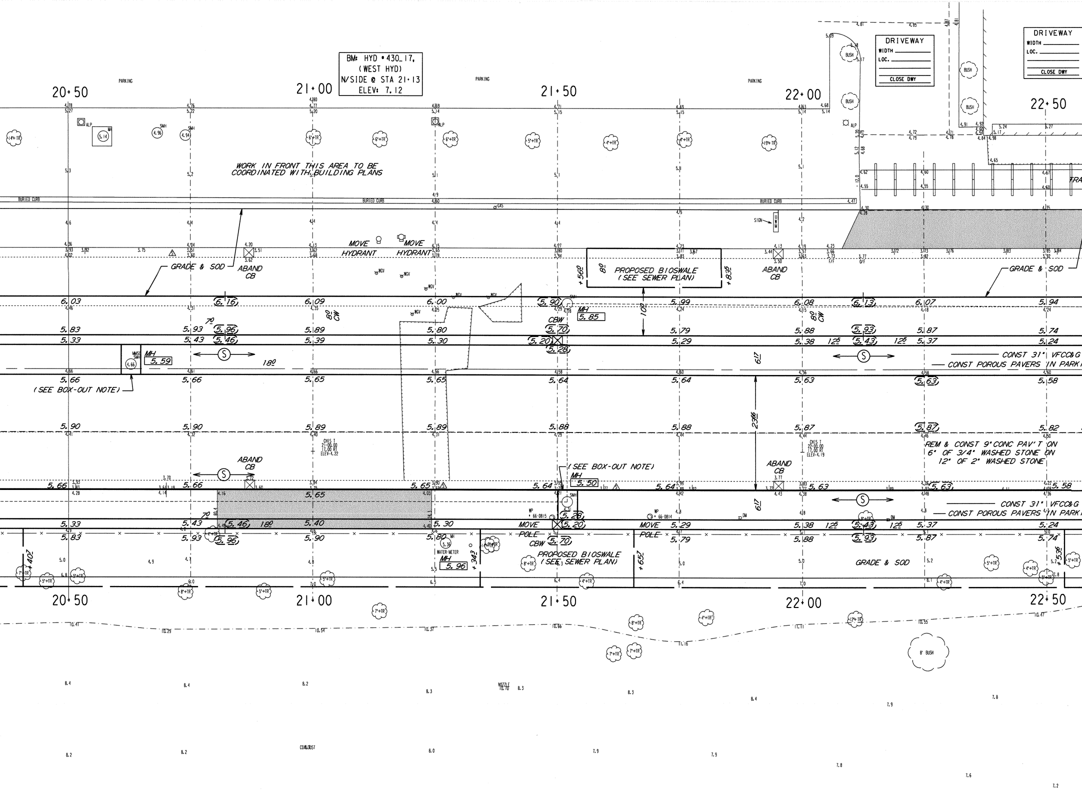
E. GREENFIELD AVE., KINNICKINNIC RIVER TO S. 1ST ST.

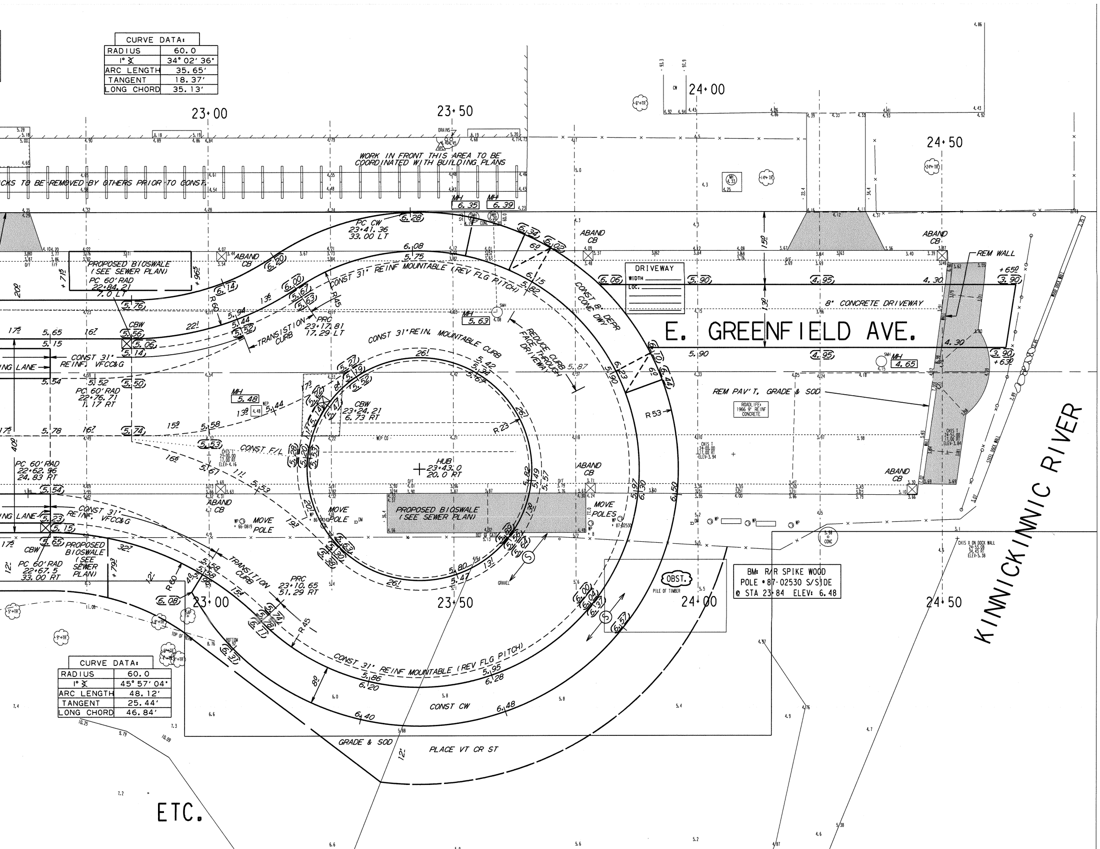
ST211130136 18" X 120" 29243 # (2 OF 3)


DRIVEWAY
WIDTH
LOC.
CLOSE DWY
DRIVEWAY
WIDTH
LOC.
16+50
17+00
17+50
18+00
ENTRANCE TO STORAGE YARD
BM: SE CORNER
MMSD BOX BASE
@ STA 17+41
ELEV: 4.93
PROPOSED DWY
GRADE & SOD
ABAND CB
BOT OF SLIDING GATE
ASPH OVER CONC DWY
CONC
CBW
8' CW
CONST 7" DEPR CONC DWY
CONST 31" VFCC&G
CONST POROUS PAVERS IN PARKING LANE
MH
5.74
(SEE BOX-OUT NOTE)
SEE SHEET 2 OF 3
E. GREENFIELD AVE.
REM & CONST 9" CONC PAV'T ON
6" OF 3/4" WASHED STONE ON
12" OF 2" WASHED STONE
40'
23.66'
CHIS T
CAUTION
FIBER OPTIC MARKER
GRUB STUMP
MOVE POLE
PROPOSED BIOSWALE (SEE SEWER PLAN)
SMALL MFS
18'
30'
20'
6'
12'
+75'
+89'
6.10
6.17
6.39
6.20
6.10
6.07
5.54
5.56
6.09
5.90
5.97
6.19
6.00
5.90
5.79
5.89
5.40
5.47
5.59
5.50
5.40
5.29
5.39
5.48
5.37
5.84
5.82
5.80
5.78
5.76
5.73
5.71
6.08
6.06
6.04
6.02
6.00
5.97
5.95
5.84
5.82
5.80
5.78
5.76
5.73
5.71
5.48
5.37
5.40
5.47
5.59
5.50
5.40
5.29
5.39
5.90
5.97
6.19
6.00
5.90
5.79
5.89

THAT PART


UNIVERSITY OF WISCONSIN
430-9996
DRIVEWAY
WIDTH
LOC.
CLOSE DWY
19+50
DRIVEWAY
WIDTH
LOC.
CLOSE DWY
PARKING
20+00
19+00
18+50
ASPHALT WALK
WORK IN FRONT THIS AREA TO BE COORDINATED WITH BULIDING PLANS
BOLLARDS
TRACKS TO BE REMOVED BY OTHERS PRIOR TO CONST.
OBST.
CHAIN LINK FENCE 2½ IN
REM FENCE
BURIED CURB
12" SAN SMH
SMH
ABAND CB
GRADE & SOD
ABAND CB
8' CW
CBW
8' CW
12" SAN SMH
MH 5.98
8' CW
CBW
30º
20º
15º
10º
CONST POROUS PAVERS IN PARKING LANE
CHIS T 19+00.00 17.00 RT ELEV-4.18
CHIS T 20+00.00 17.00 RT ELEV-4.16
ABAND CB
(SEE BOX-OUT NOTE)
ABAND CB
MH 5.56
CONST POROUS PAVERS IN PARKING LANE
30º
20º
15º
10º
CBW
MOVE POLE
CBW
+85.5
+14.5
12'
12'
+09.3
PROPOSED BIOSWALE (SEE SEWER PLAN)
PROPOSED BIOSWALE (SEE SEWER PLAN)
18+50
19+00
19+50
20+00
1164.53
463-9995-100
LOT 1
OF
NW
1/4


BM: HYD # 430_17,
(WEST HYD)
N/SIDE @ STA 21+13
ELEV: 7.12
20+50
21+00
21+50
22+00
22+50
PARKING
DRIVEWAY
WIDTH
LOC.
CLOSE DWY
BUSH
ALP
SMH
MH
WORK IN FRONT THIS AREA TO BE COORDINATED WITH BUILDING PLANS
BURIED CURB
GAS
SIGN
MOVE HYDRANT
MOVE HYDRANT
GRADE & SOD
ABAND CB
PROPOSED BIOSWALE (SEE SEWER PLAN)
+56º
+83⁵
8º
10º
8º CW
MH 5.85
CBW 5.70
MH 5.59
(SEE BOX-OUT NOTE)
18º
7º
12⁵
6¹⁷
23⁶⁶
CONST 31" VFCC&G
CONST POROUS PAVERS IN PARK
CHIS T 21+00.00 17.00 RT ELEV=4.22
CHIS T 22+00.00 17.00 RT ELEV=4.19
REM & CONST 9" CONC PAV'T ON 6" OF 3/4" WASHED STONE ON 12" OF 2" WASHED STONE
(SEE BOX-OUT NOTE)
MH 5.50
MOVE POLE
CBW 5.70
PROPOSED BIOSWALE (SEE SEWER PLAN)
WATER METER
MH 5.96
+34³
+65⁷
+40⁷
+53⁶
GRADE & SOD
8' BUSH
NOZZLE
COMPOST
6.03
6.16
6.09
6.00
5.90
5.99
6.08
6.13
6.07
5.94
5.83
5.93
5.96
5.89
5.80
5.79
5.88
5.93
5.87
5.74
5.33
5.43
5.46
5.39
5.30
5.20
5.28
5.29
5.38
5.43
5.37
5.24
5.66
5.65
5.64
5.63
5.58
5.90
5.89
5.88
5.87
5.82
5.66
5.65
5.64
5.63
5.58
5.40
5.30
5.20
5.29
5.38
5.43
5.37
5.24
5.83
5.93
5.96
5.90
5.80
5.70
5.79
5.88
5.93
5.87
5.74
SEC. 4,



CURVE DATA:	
RADIUS	60.0
I° ℄	34° 02′ 36″
ARC LENGTH	35.65′
TANGENT	18.37′
LONG CHORD	35.13′

CURVE DATA:	
RADIUS	60.0
I° ℄	45° 57′ 04″
ARC LENGTH	48.12′
TANGENT	25.44′
LONG CHORD	46.84′

23+00
23+50
24+00
24+50
WORK IN FRONT THIS AREA TO BE COORDINATED WITH BUILDING PLANS
CKS TO BE REMOVED BY OTHERS PRIOR TO CONST.
DRAINS
MH 6.35
MH 6.39
PC CW 23+41.36 33.00 LT
6.28
6.08
5.75
CONST 31″ REINF MOUNTABLE (REV FLG PITCH)
PROPOSED BIOSWALE (SEE SEWER PLAN)
PC 60′ RAD 22+84.21 7.0 LT
ABAND CB
PRC 23+17.81 17.29 LT
R45
R60
TRANSITION CURB
CONST 31″REIN. MOUNTABLE CURB
CONST 8″ DEPR CONC DWY
REDUCE CURB FACE THROUGH DRIVEWAY
MH 5.63
SMH
DRIVEWAY
WIDTH
LOC.
E. GREENFIELD AVE.
8″ CONCRETE DRIVEWAY
REM WALL
+650 3.90
+630 3.90
MH 4.65
REM PAV′T, GRADE & SOD
ROADLIFE: 1966 9″ REINF CONCRETE
R53
R23
HUB 23+43.0 20.0 RT
CBW 23+24.21 6.73 RT
MH 5.48
CONST F/L
CBW
CONST 31″ REINF. VFCC&G
NG LANE
PC 60′RAD 22+76.71 1.17 RT
PC 60′RAD 22+62.96 24.83 RT
PC 60′RAD 22+67.5 33.00 RT
PROPOSED BIOSWALE (SEE SEWER PLAN)
MOVE POLE
MOVE POLES
ABAND CB
PRC 23+10.65 51.29 RT
CONST 31″ REINF MOUNTABLE (REV FLG PITCH)
CONST CW
GRADE & SOD
PLACE VT CR ST
OBST.
PILE OF TIMBER
BM: R/R SPIKE WOOD POLE #87-02530 S/SIDE @ STA 23+84 ELEV: 6.48
CHIS T 24+51.00 17.00 RT ELEV: 3.84
CHIS X ON DOCK WALL 24+55.08 34.43 RT ELEV: 5.38
STEEL DOCK WALL
KINNICKINNIC RIVER
GRAVEL
ETC.

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.*
- *IT IS CRUCIAL THAT ASPH GRADES UNDER BRIDGE BE MET TO MAINTAIN BRIDGE CLEARANCE*
- *ANY TREES TO BE REMOVED AS A PART OF THIS PROJECT WILL BE NOTED IN THE CONTRACT SPECIAL PROVISIONS.*

ESTIMATE / CERTIFICATE QUANTITIES

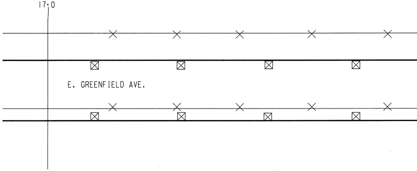
DESCRIPTION	UNIT	ASSESS.	X-ING			PLAN TOT.	PROJ.TOT.
MOBILIZATION	L.S.						
FINISHING ROADWAY	L.S.						
BARRICADING AND SIGNING	L.S.						
CUTTING	C.Y.						
ROADWAY CUTTING	C.Y.						
FILLING	C.Y.						
ROADWAY FILLING	C.Y.						
PAVEMENT REMOVAL	S.Y.						
BITUMINOUS SURFACE REMOVAL	S.Y.						
CURB &/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.						
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
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

PLAN OF: E. GREENFIELD AVE.
KINNICKINNIC RIVER TO S. 1ST ST.
THIS SECTION: KINNICKINNIC RIVER TO STA 17+50

DRAWN BY	G. LANGE	DATE: 9-6-12	PROJECT NO.
DESCRIPTIONS BY		DATE:	ST211 13 01
LEVELS BY	KLINKIEWICZ	DATE: 09/19/11	SCALE
LEVELS TRANSF. BY	KLINKIEWICZ	DATE: 11/08/11	1" = 10' 43
DESIGNED BY	S. CULL	DATE: 01/11/13	OBSTRUCTIONS -
GRADES TRANSF. BY		DATE:	REVISED: 4/7/14
CHECKED BY	D. Urbanek	DATE: 5/17/14	REVISED:
APPROVED BY		DATE: 5/19/14	REVISED:
FILE: V:\PWELIB\PAVING\29243.FIN			
PLOT DATE: 15-MAY-2014			


17+0
E. GREENFIELD AVE.

EROSION CONTROL AND C.

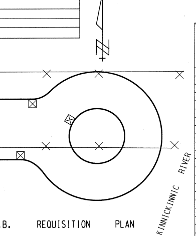
	TYPE M	☒ - CBW	☐ - RESET
THIS SHEET	11	11	0
PROJECT TOTAL	24	18	4

FILE NO.
501

(1400S, 400E)

36	SHEET 3 OF 3
1/4 SEC.	ALD.DIST.
0,431,462	12
SEE OBSTRUCTION LIST	
BIOSWALE UPDATE	

STORM DRAINAGE UNITS		
C.B.W.- 18	RESET- 4	ABANDON- 25
PROJECT IN SEPARATED AREA		


KINNICKINNIC RIVER

B. REQUISITION PLAN

⨯ - ABANDON ☒

16

25

NO WORK

TO \ DATE	5/20/14	5/30/14			
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	1				
RM 506 ✓		15			
PLAN SIZE					