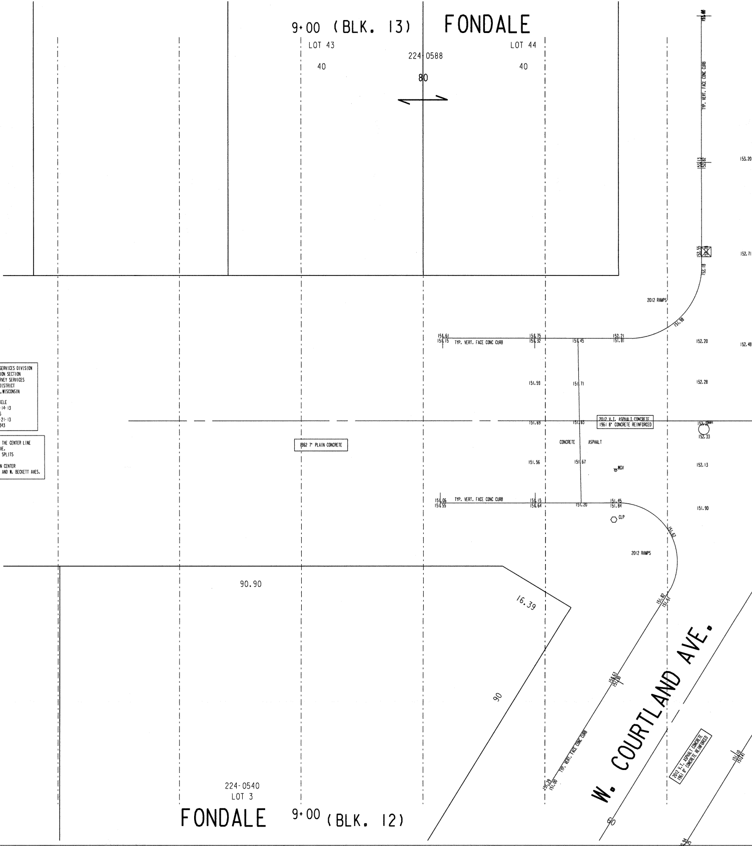
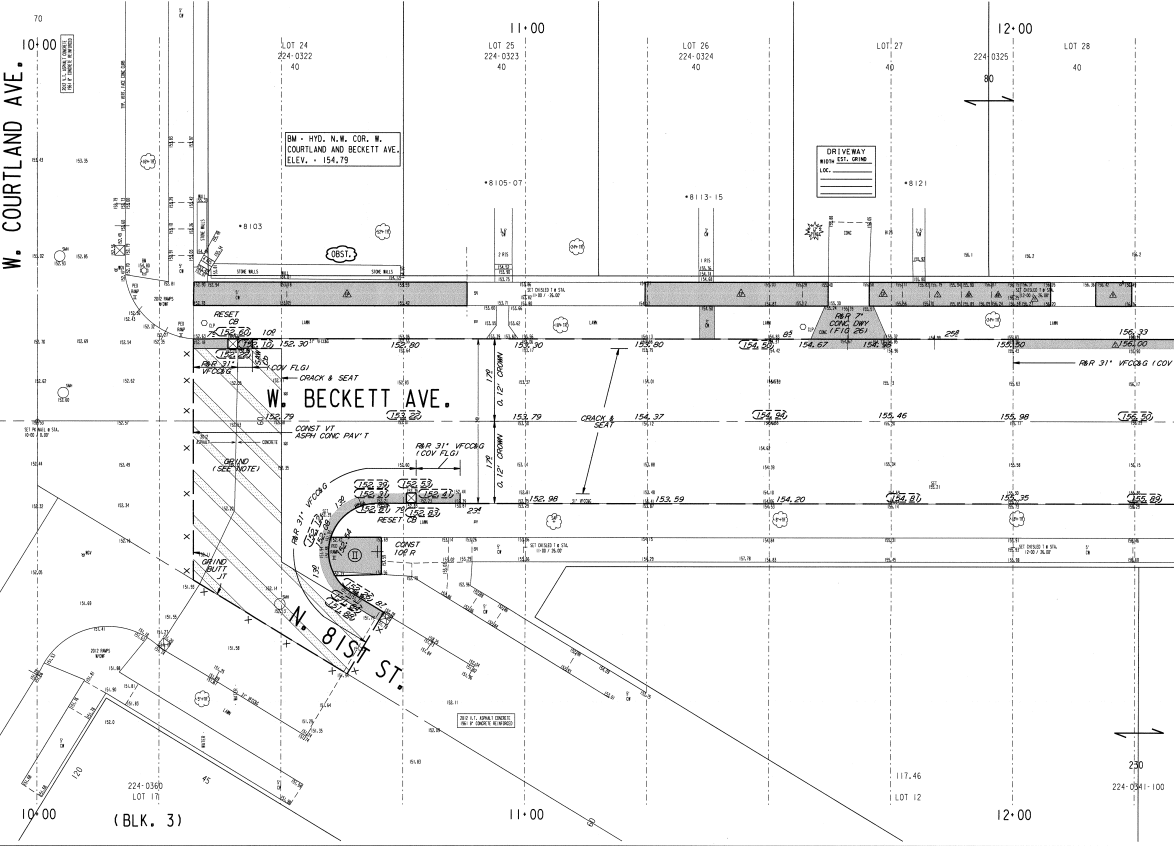
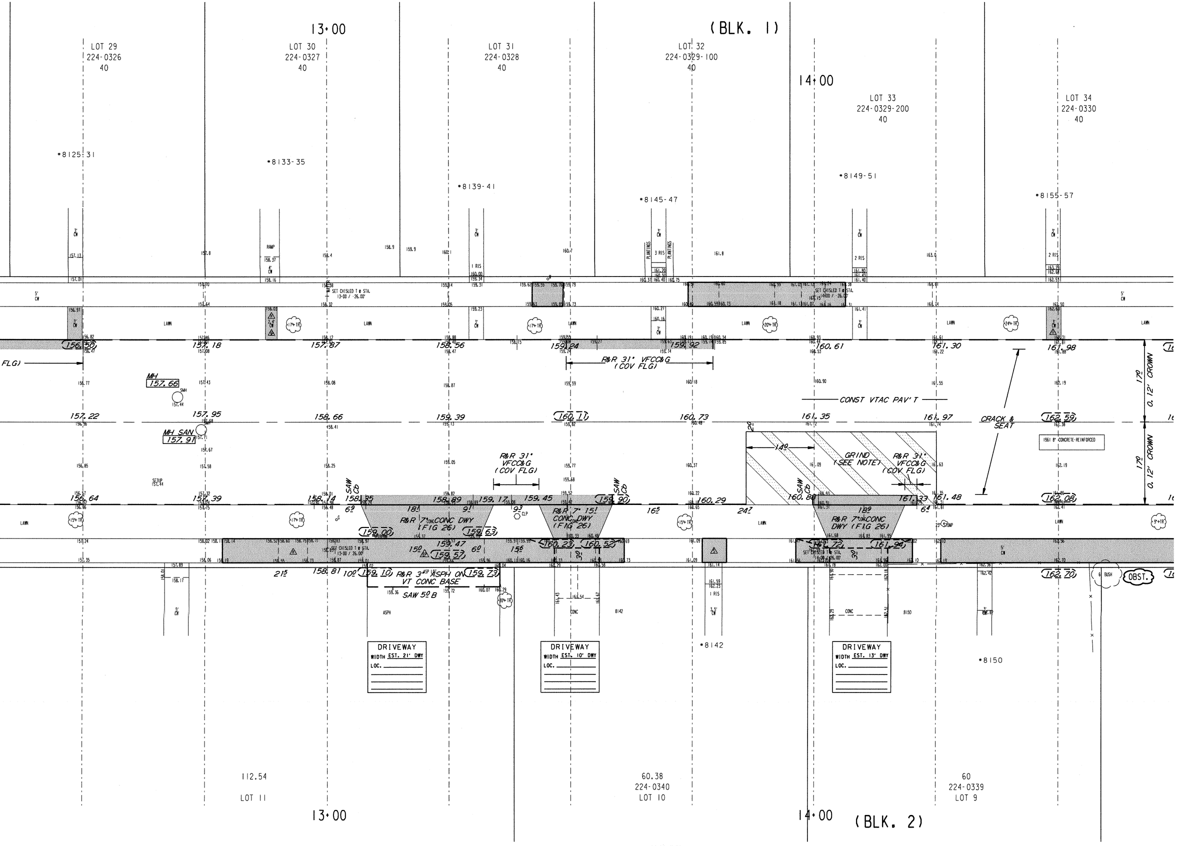

9+00 (BLK. 13)
FONDALE
LOT 43
LOT 44
224-0588
40
40
80
TYP. VERT. FACE CONC CURB
153.13
152.82
153.20
152.55
52.28
152.18
152.71
2012 RAMPS
151.98
151.61
151.15
TYP. VERT. FACE CONC CURB
151.75
151.32
151.45
152.21
151.81
152.20
152.48
151.59
151.71
152.28
151.69
151.83
2012 V.I. ASPHALT CONCRETE
1961 8" CONCRETE REINFORCED
152.35
MH
152.33
1962 7" PLAIN CONCRETE
CONCRETE
ASPHALT
151.56
151.67
WGV
152.13
151.06
151.55
TYP. VERT. FACE CONC CURB
151.15
151.64
151.20
151.45
151.84
151.90
CLP
151.62
2012 RAMPS
90.90
16.39
151.82
151.51
W. COURTLAND AVE.
151.63
151.30
90
TYP. VERT. FACE CONC CURB
2012 V.I. ASPHALT CONCRETE
1961 8" CONCRETE REINFORCED
151.10
151.41
151.29
151.00
224-0540
LOT 3
FONDALE
9+00 (BLK. 12)
60

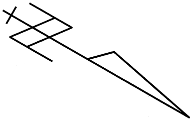
INFRASTRUCTURE SERVICES DIVISION
CONSTRUCTION SECTION
DESIGN & SURVEY SERVICES
NORTH DISTRICT
MILWAUKEE, WISCONSIN

LEVELS BY: BEKELE
DATE: 11-14-13
DRAWN BY: MFS
DATE: 11-21-13
FILE NO: 29343

TRANSIT LINE IS THE CENTER LINE
OF W. BECKETT AVE.
BASED ON STREET SPLITS
STATION 10+00
IS THE CENTER ON CENTER
OF W. COURTLAND AND W. BECKETT AVES.


W. COURTLAND AVE.
W. BECKETT AVE.
N. 81ST ST.
10+00
11+00
12+00
LOT 24
224-0322
LOT 25
224-0323
LOT 26
224-0324
LOT 27
224-0325
LOT 28
40
80
BM - HYD. N.W. COR. W. COURTLAND AND BECKETT AVE. ELEV. - 154.79
DRIVEWAY
WIDTH EST. GRIND
LOC.
•8103
•8105-07
•8113-15
•8121
OBST.
STONE WALLS
RESET CB
152.60
152.10
152.30
152.80
153.30
153.80
154.50
154.67
154.98
155.50
156.33
156.00
R&R 31" VFCC&G (COV FLG)
R&R 7" CONC DWY (FIG 26)
CRACK & SEAT
17.0
0.12' CROWN
152.79
153.22
153.79
154.37
154.94
155.46
155.98
156.50
CONST VT ASPH CONC PAV'T
GRIND (SEE NOTE)
GRIND BUTT JT
R&R 31" VFCC&G
152.39
152.53
152.31
152.41
152.81
152.83
152.98
153.59
154.20
154.81
155.35
155.89
CONST 10.0 R
SET PK NAIL @ STA. 10+00 / 0.00'
SET CHISLED T @ STA. 11+00 / 26.00'
SET CHISLED T @ STA. 12+00 / 26.00'
2012 V.T. ASPHALT CONCRETE
1961 8" CONCRETE REINFORCED
2012 RAMPS W/DWF
PED RAMP II
LAWN
224-0360
LOT 17
(BLK. 3)
LOT 12
117.46
224-0341-100
230
120
45
60
70


13+00
(BLK. 1)
LOT 29
224-0326
40
LOT 30
224-0327
40
LOT 31
224-0328
40
LOT 32
224-0329-100
40
14+00
LOT 33
224-0329-200
40
LOT 34
224-0330
40
*8125-31
*8133-35
*8139-41
*8145-47
*8149-51
*8155-57
3' CW
RAMP
4' CW
1 RIS
3 RIS
PLANTINGS
2 RIS
5' CW
SET CHISLED T @ STA. 13+00 / -26.00'
SET CHISLED T @ STA. 14+00 / -26.00'
LAWN
17" TR
20" TR
24" TR
156.50
157.18
157.87
158.56
159.24
159.92
160.61
161.30
161.98
FLG)
R&R 31" VFCC&G (COV FLG)
MH 157.66
SMH
CONST VTAC PAV'T
CRACK & SEAT
17'
0.12' CROWN
157.22
157.95
158.66
159.39
160.11
160.73
161.35
161.97
162.59
MH SAN 157.91
1961 8" CONCRETE-REINFORCED
GRIND (SEE NOTE)
14'
R&R 31" VFCC&G (COV FLG)
SETUP 157.44
SAW Cb
156.64
157.39
158.14
158.35
158.89
159.17
159.45
159.90
160.29
160.88
161.33
161.48
162.08
18'
9'
9'
6'
16'
24'
18'
6'
R&R 7" CONC DWY (FIG 26)
R&R 7" 15' CONC DWY (FIG 26)
R&R 7" CONC DWY (FIG 26)
159.00
159.63
159.47
159.57
160.23
160.52
161.72
161.94
15'
6'
15'
3'
CLP
15" TR
17" TR
30" TR
9" TR
23" STUMP
21'
158.81
10'
159.10
R&R 3" ASPH ON VT CONC BASE
159.73
SAW 5' B
ASPH
CONC
8142
8150
1 RIS
3.5' CW
162.70
6' BUSH
OBST.
DRIVEWAY
WIDTH EST. 21' DWY
LOC.
DRIVEWAY
WIDTH EST. 10' DWY
LOC.
DRIVEWAY
WIDTH EST. 13' DWY
LOC.
*8142
*8150
112.54
LOT 11
60.38
224-0340
LOT 10
60
224-0339
LOT 9
13+00
14+00
(BLK. 2)



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 $1^{\underline{5}}$ WIDTH SOD IN LAWN AREAS DISTURBED BY CONSTRUCTION UNLESS OTHERWISE INDICATED.
- ANY TREE TO BE REMOVED AS PART OF THIS PROJECT WILL BE INDICATED "SAN:" (SANITARY).
- IN AREAS OF GRINDING, GRIND TO ACHIEVE 0.12' MINIMUM COVER AT FLANGES, 0.17' AT BUTT JTS, AND 0.21' MINIMUM ELSEWHERE.
- REMOVE ALL ASPHALTIC PATCHES WITHIN LIMITS OF CONSTRUCTION, PRIOR TO CRACK & SEAT.
- ANY SAWING ALONG THE CURB FLANGE SHALL BE INCLUDED IN THE PRICE BID FOR CURB.

SEE SHEET 2 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
VGC	VERY GOOD
VPC	VERY POOR

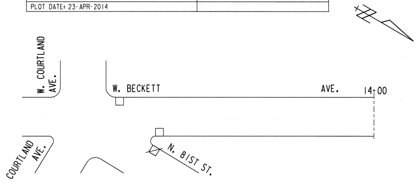
ESTIMATE / CERTIFICATE QUANTITIES

	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						
☒	JT & CRACK REPAIR	L.F.						500

DEPARTMENT OF PUBLIC WORKS INFRASTRUCTURE SERVICES DIVISION FIELD OPERATIONS FIELD & DESIGN ENGINEERING MILWAUKEE, WISCONSIN				FILE NO. 429	
PLAN OF: W. BECKETT AVE. (4700N, 8100W)					
W. COURTLAND AVE. TO W. HAMPTON AVE.					
THIS SECTION: W. COURTLAND AVE. TO STA. 14+00					
DRAWN BY	G. LANGE	DATE: 12-04-13	PROJECT NO. ST211140137		SHEET 1 OF 2
DESCRIPTIONS BY	G. LANGE	DATE: 12-04-13			
LEVELS BY	BEKELE	DATE: 11/21/13	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY		DATE:	1" = 10'	224	5
DESIGNED BY	S. CULL	DATE: 01/30/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	G. GUERRA	DATE: 03/26/14	REVISED:		
CHECKED BY	D. Ulatowski	DATE: 4/26/14	REVISED:		
APPROVED BY		DATE: 4/25/14	REVISED:		
FILE: V:\PWELIB\PAVING\29343.FIN					
PLOT DATE: 23-APR-2014					

THIS SHEET

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


W. COURTLAND AVE.
W. BECKETT
AVE.
14+00
W. COURTLAND AVE.
N. 81ST ST.

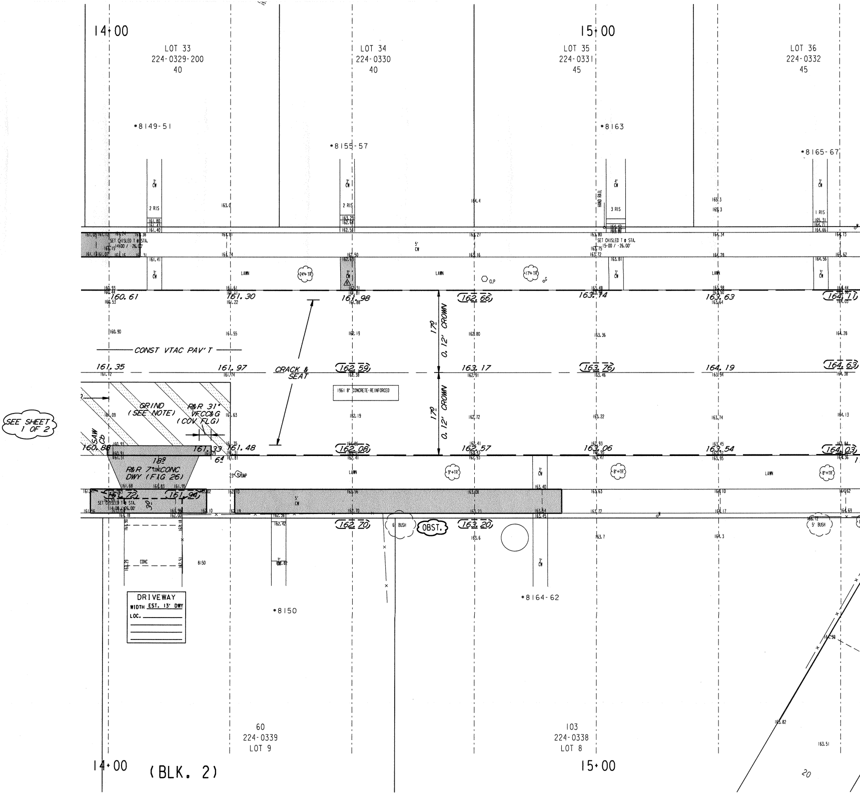
TO \ DATE	4/28/14	7/28/14			
ESTIMATING	1				
HOLLOW WALKS	1				
PUBLIC HEARING	1				
CONSTRUCTION	1	6			
SEWER	1				
WATER	1				
STREET LIGHTING	1				
BLDG. SEWERS	1				
MEASURING		1			
FIELD					
DISTRICT FILE	2				
FORESTRY	1				
W.E. / G.O.					
WIS. GAS CO.	1				
TRANSIT SYSTEM					
CABLE TV					
UND. GRD. COND.	1				
WATER DIST.	1				
WEPCO N/S	1				
WEPCO S/S					
SEWER SERVICES					
UTILITY COOR.	1				
Traffic Eng	1				
RM 506		6			
PLAN SIZE	17.5' X 100'				

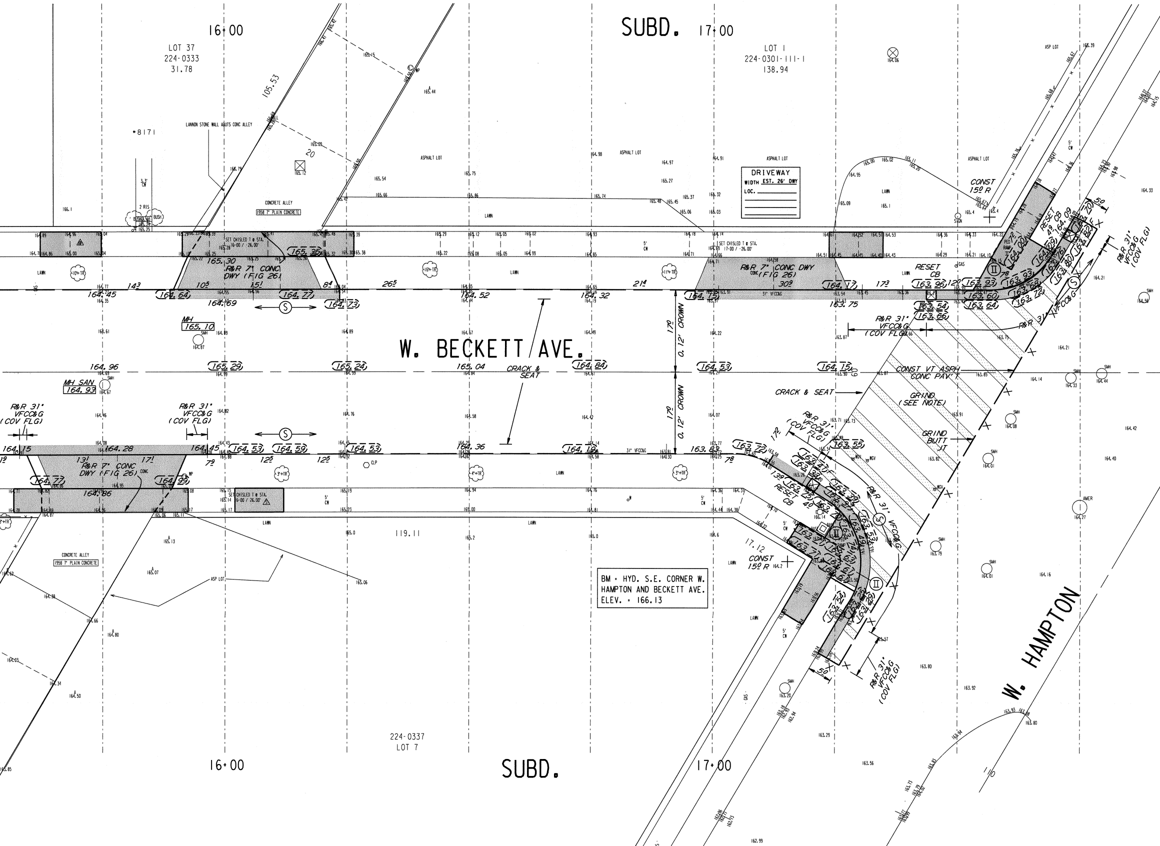
AND C.B. REQUISITION PLAN

	TYPE M	☒ - CBW	□ - RESET	X - ABANDON	⌀
THIS SHEET	3	0	2	0	NO WORK
PROJECT TOTAL	7	0	5	0	

W. BECKETT AVE.: W. COURTLAND AVE. TO W. HAMPTON AVE.

W. COURTLAND AVE. TO STA 14+00 ST211140137 17.5" X 100" 29343 # (1 OF 2)


14+00
LOT 33
224-0329-200
40
LOT 34
224-0330
40
15+00
LOT 35
224-0331
45
LOT 36
224-0332
45
*8149-51
*8155-57
*8163
*8165-67
2 RIS
3 RIS
1 RIS
HAND RAIL
SET CHISLED T @ STA. 14+00 / -26.00'
SET CHISLED T @ STA. 15+00 / -26.00'
5' CW
LAWN
24"+TR
17"+TR
CLP
160.61
161.30
161.98
162.66
163.74
163.63
164.11
CONST VTAC PAV'T
CRACK & SEAT
0.12' CROWN
1.7%
161.35
161.97
162.59
163.17
163.76
164.19
164.63
1961 8" CONCRETE-REINFORCED
GRIND (SEE NOTE)
R&R 31" VFCC&G (COV FLG)
SAW CUT
SEE SHEET 1 OF 2
160.88
161.33
161.48
162.08
162.57
163.06
163.54
164.03
18'
R&R 7" CONC DWY (FIG 26)
6'
30'
23" STUMP
161.72
161.94
9"+TR
8"+TR
6' BUSH
5' BUSH
OBST.
162.70
163.20
CONC
8150
DRIVEWAY
WIDTH EST. 13' DWY
LOC.
*8150
*8164-62
60
224-0339
LOT 9
103
224-0338
LOT 8
14+00
(BLK. 2)
15+00
20


SUBD.
16+00
17+00
LOT 37
224-0333
31.78
LOT 1
224-0301-111-1
138.94
105.53
LANNON STONE WALL ABUTS CONC ALLEY
CONCRETE ALLEY
1958 7" PLAIN CONCRETE
ASPHALT LOT
LAWN
DRIVEWAY
WIDTH EST. 26' DWY
LOC.
SET CHISLED T @ STA. 16+00 / -26.00'
SET CHISLED T @ STA. 17+00 / -26.00'
R&R 7" CONC DWY (FIG 26)
CONST 15' R
RESET CB
RESET 49 CB
R&R 31" VFCC&G (COV FLG)
MH 165.10
MH SAN 164.93
W. BECKETT AVE.
CRACK & SEAT
17' 0.12' CROWN
CONST VT ASPH CONC PAV'T
GRIND (SEE NOTE)
GRIND BUTT JT
W. HAMPTON
BM = HYD. S.E. CORNER W. HAMPTON AND BECKETT AVE. ELEV. = 166.13
119.11
224-0337
LOT 7
SUBD.
16+00
17+00
164.45
164.64
164.69
164.77
164.73
164.52
164.32
164.75
163.75
164.17
163.96
163.93
163.60
163.64
163.54
163.66
164.96
165.29
165.24
165.04
164.84
164.53
164.75
164.15
164.28
164.45
164.53
164.59
164.53
164.36
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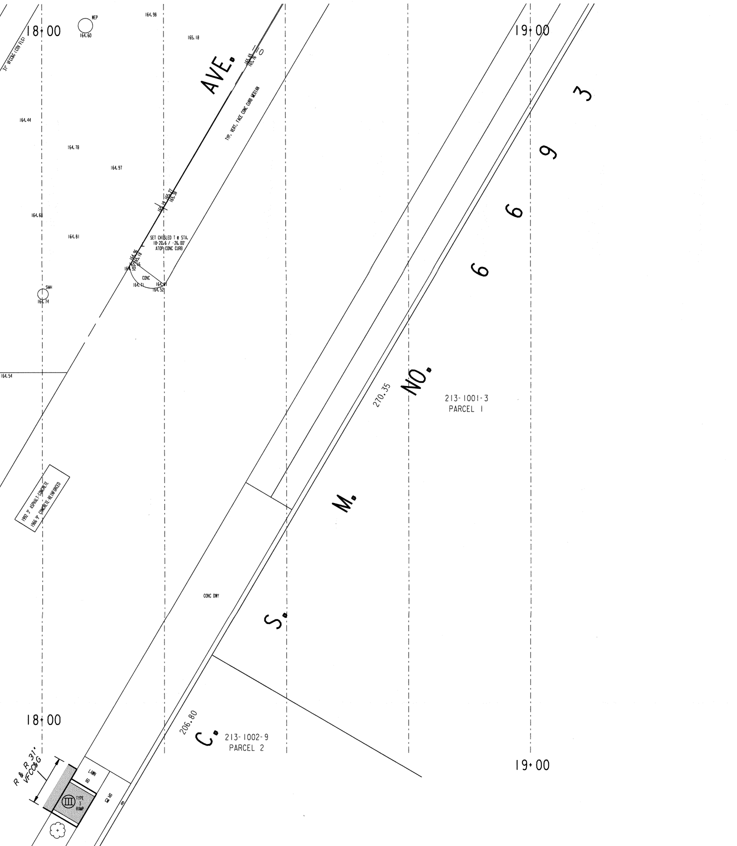
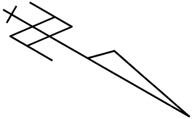
163.83
163.72
164.77
164.86
164.99
165.30
165.35
163.55
163.54


18+00
31" VFCC&G (CDV FLG)
WEP
164.60
164.98
165.18
AVE.
165.65
165.76
TYP. VERT. FACE CONC CURB MEDIAN
164.44
164.78
164.97
165.27
165.38
164.68
164.81
SET CHISLED T @ STA.
18+20.6 / -26.00'
ATOP CONC CURB
164.96
165.18
165.16
164.92
CONC
164.71
164.81
164.52
SMH
164.74
164.54
19+00
3
9
6
6
NO.
270.35
213-1001-3
PARCEL 1
M.
1992 3" ASPHALT-CONCRETE
1966 9" CONCRETE-REINFORCED
CONC DWY
S.
18+00
206.80
C.
213-1002-9
PARCEL 2
19+00
R & R 31'
VFCC&G
LAWN
TYPE
3
RAMP
SW

NOTES :

- (I), (II), (III), DENOTES RAMP TYPE.
- CONSTRUCT ALL CARRIAGE WALKS AND DRIVE
  PER CITY OF MILWAUKEE SPECIFICATIONS.
- OFFSET MEASUREMENTS TO TREES, WOOD POL
  LIGHT POLES ARE TAKEN TO EDGE NEAREST
- OFFSET MEASUREMENTS TO HYDRANTS ARE TA
  TO THE OPERATING NUT.



WAYS

ES AND
THE CENTERLINE.

KEN

ESTIMATE / CERTIFICATE QUANTITIES

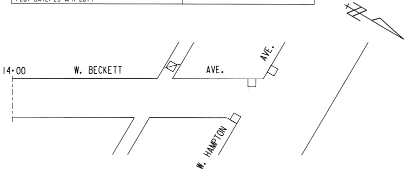
	DESCRIPTION	UNIT	ASSESS.	X-ING			PLAN TOT.	PROJ.TOT.
	MOBILIZATION	L.S.						
	FINISHING ROADWAY	L.S.						
	BARRICADING AND SIGNING	L.S.						
	CUTTING	C.Y.						
	ROADWAY CUTTING	C.Y.						
	FILLING	C.Y.						
	ROADWAY FILLING	C.Y.						
	PAVEMENT REMOVAL	S.Y.						
	BITUMINOUS SURFACE REMOVAL	S.Y.						
	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. 430
PLAN OF: W. BECKETT AVE. (4700N, 8100W)			
W. COURTLAND AVE. TO W. HAMPTON AVE.			
THIS SECTION: STA. 14+00 TO W. HAMPTON AVE.			
DRAWN BY	G. LANGE	DATE: 12-04-13	PROJECT NO. ST211140137 SHEET 2 OF 2
DESCRIPTIONS BY	G. LANGE	DATE: 12-04-13	
LEVELS BY	BEKELE	DATE: 11/21/13	SCALE 1"=10' / 1/4 SEC. 224 / ALD.DIST. 5
LEVELS TRANSF. BY		DATE:	
DESIGNED BY	S. CULL	DATE: 03/13/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST
GRADES TRANSF. BY	G. GUERRA	DATE: 03/26/14	REVISED:
CHECKED BY	D. Ulufoah	DATE: 4/26/14	REVISED:
APPROVED BY	Robert D. Vill	DATE: 4/28/14	REVISED:
FILE: V:\PWELIB\PAVING\29343.FIN			
PLOT DATE: 23-APR-2014			

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 3	ABANDON- 0
PROJECT IN (SEPARATED) AREA		


14+00
W. BECKETT
AVE.
AVE.
W. HAMPTON

EROSION	CONTROL	AND	C.B.	REQUISITION	PLAN
	TYPE M	☒ - CBW	☐ - RESET	X - ABANDON	⧄
THIS SHEET	4	0	3	0	NO WORK

TO \ DATE	4/28/14	7/28/14			
ESTIMATING	1				
HOLLOW WALKS	1				
PUBLIC HEARING	1				
CONSTRUCTION	1	6			
SEWER	1				
WATER	1				
STREET LIGHTING	1				
BLDG. SEWERS	1				
MEASURING		1			
FIELD					
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	1				
RM 506		6			
PLAN SIZE	17.5' X 90'				

W. BECKETT AVE., W. COURTLAND AVE. TO W. HAMPTON AVE. (2 OF 2)

STA. 14+00 TO W. HAMPTON AVE. ST211140137 17.5" X 90" 29343 # 430