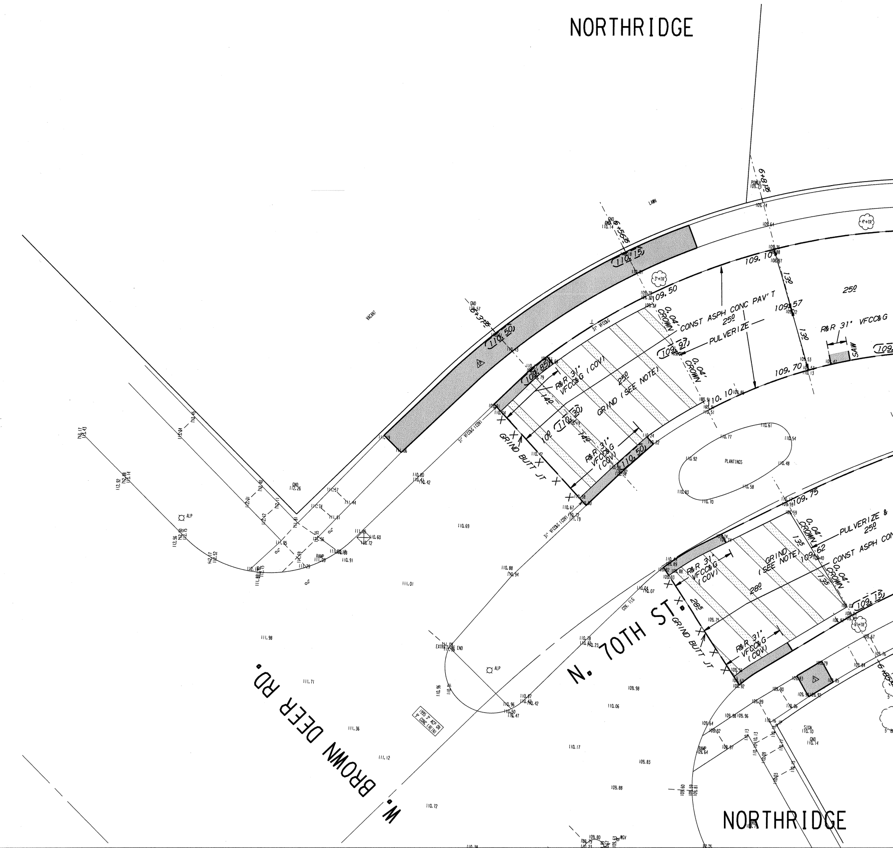
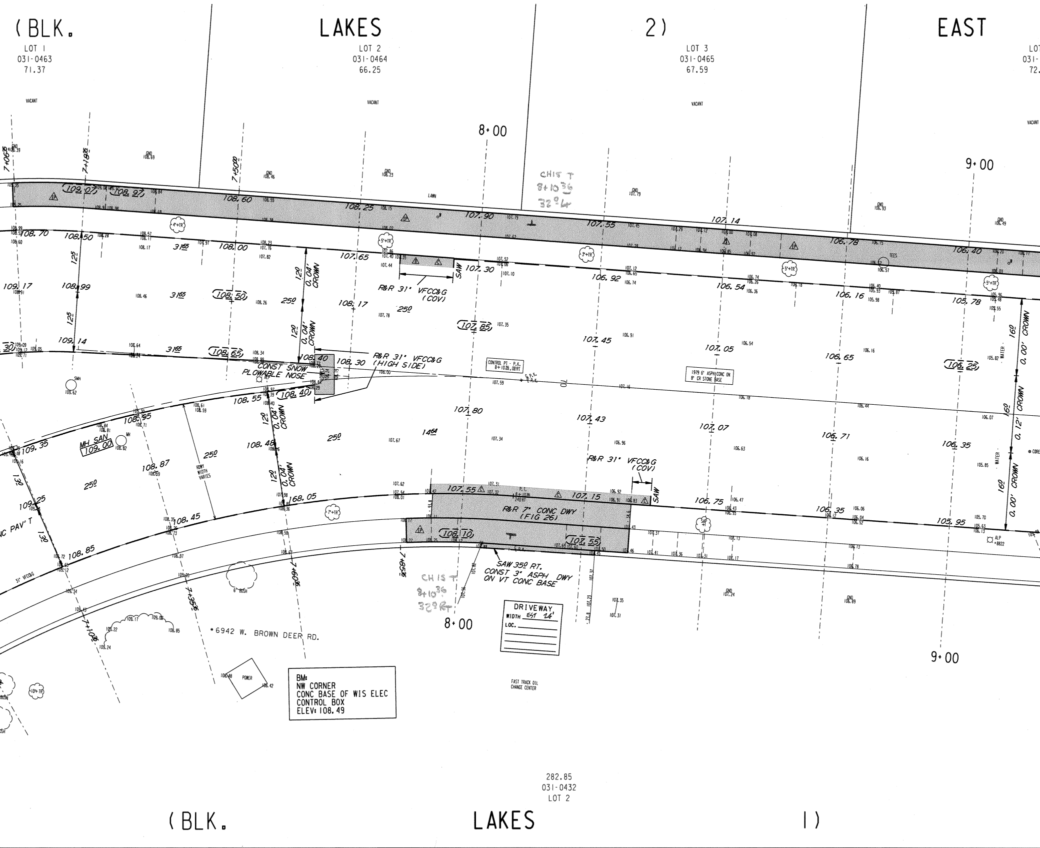
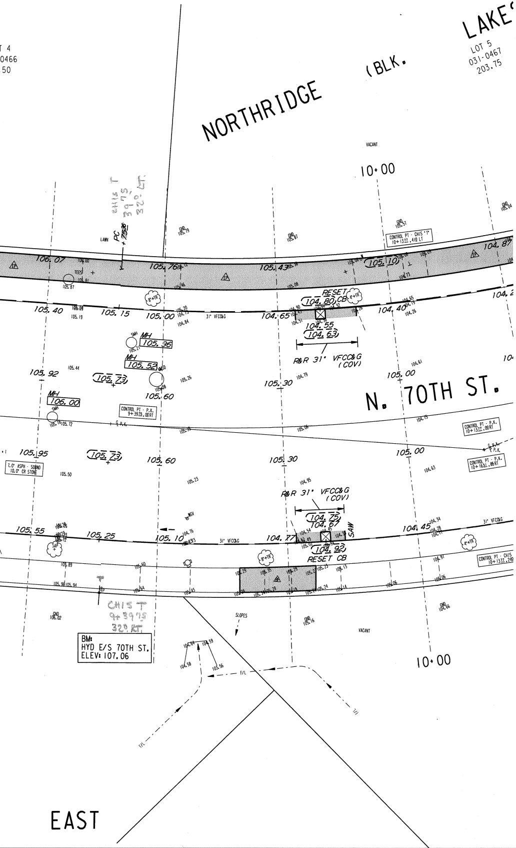
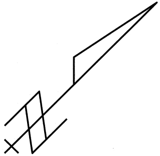

NORTHRIDGE
W. BROWN DEER RD.
N. 70TH ST.
NORTHRIDGE
CONST ASPH CONC PAV'T
25º
PULVERIZE
0.04' CROWN
R&R 31" VFCC&G (COV)
GRIND (SEE NOTE)
GRIND BUTT JT
R&R 31" VFCC&G
SAW
PULVERIZE & 25º
CONST ASPH CON
28º
PLANTINGS
VACANT
LAWN
ALP
RAMP
SIGN
POWER
GND
EXTR ... END
109.10
109.50
109.57
109.70
110.10
109.75
109.62
(110.15)
(110.50)
(109.85)
(110.30)
(109.97)
(109.15)
(110.50)
1.30
1.40
1.35
2.85



(BLK. LAKES 2) EAST
LOT 1
031-0463
71.37
LOT 2
031-0464
66.25
LOT 3
031-0465
67.59
VACANT
8+00
9+00
CHIS T
8+10 36
32°Lt
LAWN
R&R 31' VFCC&G (COV)
SAW
0.04' CROWN
CONST SNOW PLOWABLE NOSE
R&R 31' VFCC&G (HIGH SIDE)
CONTROL PT - P.K. 8+10 36, 00 RT
1979 6' ASPH CONC ON 8' CR STONE BASE
MH SAN 109.00
SMH
RDWY WIDTH VARIES
R&R 31' VFCC&G (COV)
R&R 7' CONC DWY (FIG 26)
SAW 35 RT. CONST 3' ASPH DWY ON VT CONC BASE
DRIVEWAY
WIDTH EST 24'
LOC.
0.00' CROWN
0.12' CROWN
WATER
TEES
ALP
*6942 W. BROWN DEER RD.
POWER
6' BUSH
FAST TRACK OIL CHANGE CENTER
BM:
NW CORNER
CONC BASE OF WIS ELEC
CONTROL BOX
ELEV: 108.49
282.85
031-0432
LOT 2
(BLK. LAKES 1)


T 4
0466
50
NORTHRIDGE
(BLK.
LAKE
LOT 5
031-0467
203.75
VACANT
10+00
CHIS T
3+75
320' LT.
PC
+75
LAWN
CONTROL PT - CHIS "T"
10+13 .41 LT
106.07
105.76
105.43
105.10
104.87
105.40
105.15
105.00
31" VFCC&G
104.65
RESET
104.80 CB
104.40
104.55
104.63
R&R 31" VFCC&G
(COV)
SMH
MH
105.36
MH
105.52
105.73
105.92
105.60
105.30
105.00
N. 70TH ST.
MH
106.00
SMH
CONTROL PT - P.K.
9+39 .09 RT
CONTROL PT - P.K.
10+13 .09 RT
CONTROL PT - P.K.
10+16 .86 RT
105.95
105.73
105.60
105.30
105.00
7.0" ASPH - SOUND
10.0" CR STONE
R&R 31" VFCC&G
(COV)
104.75
104.67
SAW
105.55
105.25
105.10
104.77
104.45
31" VFCC&G
104.92
RESET CB
CONTROL PT - CHIS
10+13 .24
CHIS T
9+39.75
32.0 RT.
BM:
HYD E/S 70TH ST.
ELEV: 107.06
SLOPES
VACANT
10+00
F/L
EAST



SEE SHEET
2 OF 5

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 OF SOD IN LAWN AREAS DISTURBED BY CONSTRUCTION, UNLESS OTHERWISE DIRECTED.
- IN AREAS OF GRINDING, GRIND TO OBTAIN 0.12' MINIMUM AT CURB FLANGE, 0.17' MIN AT BUTT JOINTS, & 0.21' MIN. ELSEWHERE.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED 'SAN' (SANITARY).
- ASPHALT CONCRETE PAVEMENT SHALL BE MINIMUM 1-1/2" TOP ON MIN. 2-1/2" BINDER UNLESS OTHERWISE DIRECTED.

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

COVER

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.						
☒	31" CONCRETE CURB & GUTTER	L.F.						
☒	V.T. CONC.WALK &/OR DRIVEWAY	C.Y.						
☒	5" CONCRETE WALK	S.F.						
☒	CRACK & SEAT CONC PAVT	S.Y.						
☒	7" CONCRETE DRIVEWAY	S.F.						
☒	JOINT & CRACK REPAIR	L.F.						1050
	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.						
☒	3" ASPH DWY							
☒	PULVERIZE ASPH RDWY	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. 355

PLAN OF: N. 70TH ST.

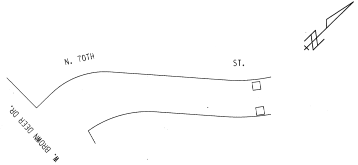
W. BROWN DEER RD. TO 1300'± S. OF W. GLENBROOK RD.

THIS SECTION: 500'± WEST OF W. BEATRICE CT. TO W. BROWN DEER RD.

DRAWN BY	B. MATHENY	DATE: 4/1/13	PROJECT NO. ST211130110	SHEET 1 OF 5	
DESCRIPTIONS BY	G. GUERRA	DATE: 4/24/13			
LEVELS BY	BEKELE	DATE: 4/1/13	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY	WHITE	DATE: 4/1/13	1"=10'	31,007	9
DESIGNED BY	R. DUCHOW	DATE: 4/1/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	G. GUERRA	DATE: 4/24/13	REVISED: REVISED LIMITS RD. 12-19-13		
CHECKED BY	D. Ulatowski	DATE: 1/9/14	REVISED: DELETED PROP. WALK 12-19-13		
APPROVED BY		DATE: 1/9/14	REVISED:		
FILE: V:\PWELIB\PAVING\29212.FIN					
PLOT DATE: 03-JAN-2014					

THIS SHEET

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

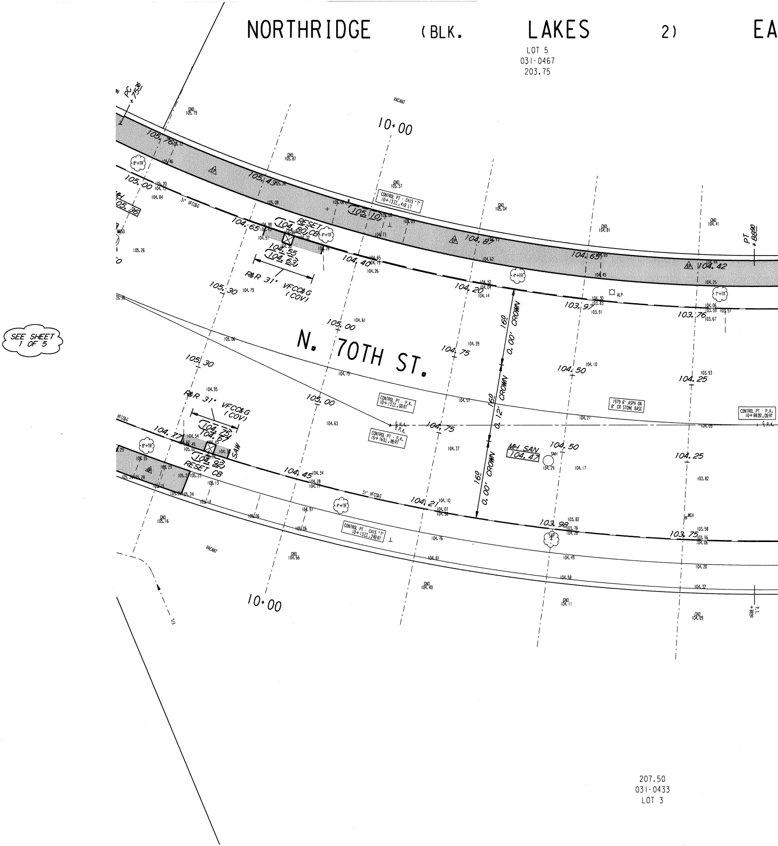

N. 70TH
ST.
W. BROWN DEER DR.

DATE / TO	6/4/13	1/10/14			
ESTIMATING	/	1			
HOLLOW WALKS	/	1			
PUBLIC HEARING	/	1			
CONSTRUCTION	/	1			
SEWER	/	1			
WATER	/	1			
STREET LIGHTING	/	1			
BLDG. SEWERS	/	1			
MEASURING					
FIELD					
DISTRICT FILE	2	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			
TRAF. ENG.	1	1			
PLAN SIZE	17.5"X82"				

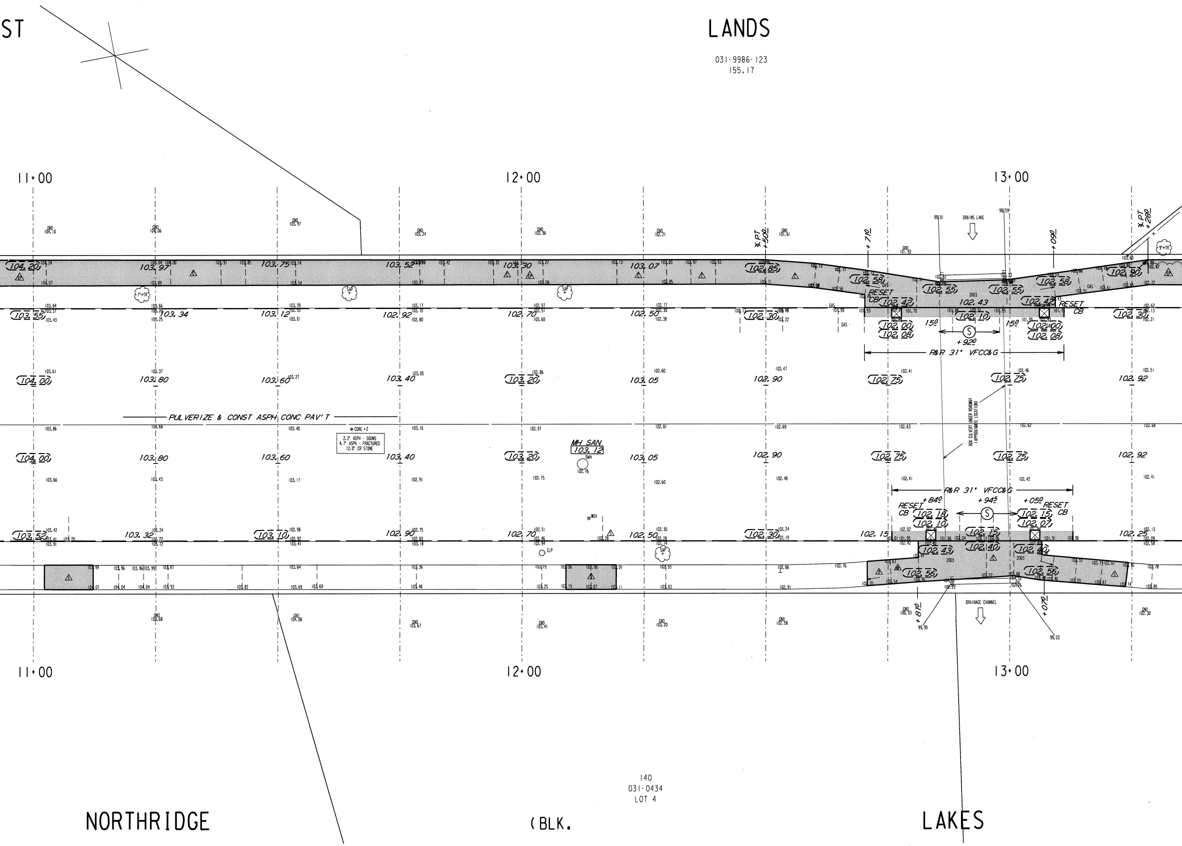
	EROSION	CONTROL	AND	C.B.	REQUISITION PLAN
	TYPE M	☒ - CBW	☐ - RESET	╳ - ABANDON	▨
SHEET	2	0	2	0	0
PROJECT	26	1	24	0	0

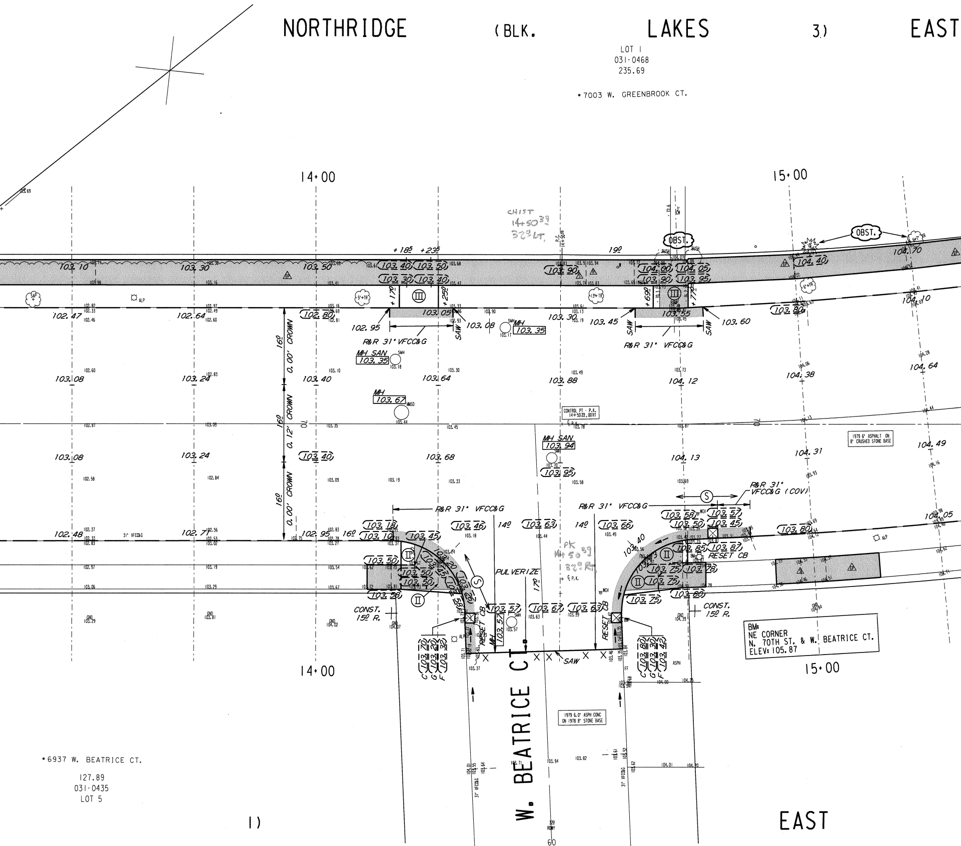
N. 70TH ST. - W. BROWN DEER RD. TO 1300' +\- S. OF W. GLENBROOK RD. (1 OF 5)

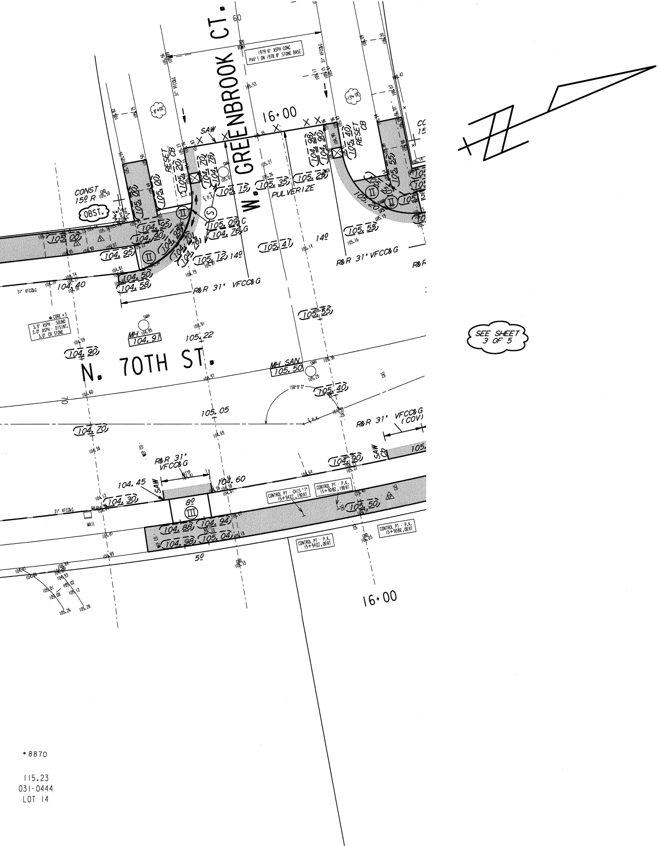
500' ± WEST OF W. BEATRICE CT. TO W. BROWN DEER RD. ST211130110 17.5"X82" 29212 #



NORTHRIDGE (BLK. LAKES 2) EA
LOT 5
031-0467
203.75
SEE SHEET 1 OF 5
VACANT
10+00
N. 70TH ST.
CONTROL PT - CHIS "T" 10+1322.41R LT
RESET CB
R&R 31' VFCC&G (COV)
160 0.00' CROWN
160 0.12' CROWN
160 0.00' CROWN
CONTROL PT - P.K. 10+1322.09RT
CONTROL PT - P.K. 10+1651.08RT
1979 6" ASPH ON 8" CR STONE BASE
CONTROL PT - P.K. 10+8890.09RT
MH SAN 104.47
R&R 31' VFCC&G (COV)
SAW
RESET CB
31' VFCC&G
CONTROL PT - CHIS "T" 10+1322.24RT
VACANT
10+00
PC
PT
207.50
031-0433
LOT 3


ST
LANDS
031-9986-123
155.17
11+00
12+00
13+00
PULVERIZE & CONST ASPH CONC PAV'T
CORE #2
2.2" ASPH - SOUND
4.7" ASPH - FRACTURED
12.0" CR STONE
MH SAN
103.12
SMH
RESET CB
R&R 31" VFCC&G
DRAINS LAKE
DRAINAGE CHANNEL
BOX CULVERT UNDER ROADWAY (APPROXIMATE LOCATION)
℄ PT +502
℄ PT +280
+710
+090
+920
+840
+945
+050
+810
+040
15º
104.20
103.97
103.75
103.52
103.30
103.07
102.85
102.58
102.55
102.43
102.42
102.10
102.00
102.08
102.90
103.55
103.34
103.12
102.92
102.70
102.50
102.30
104.00
103.80
103.60
103.40
103.20
103.05
102.75
102.92
103.52
103.32
103.10
102.90
102.15
102.18
102.15
102.07
102.40
102.56
102.25
140
031-0434
LOT 4
NORTHRIDGE
(BLK.
LAKES


NORTHRIDGE (BLK. LAKES 3) EAST
LOT 1
031-0468
235.69
* 7003 W. GREENBROOK CT.
14+00
15+00
CHIST 14+50 39 32.9 LT.
P.C. 14+50.39
OBST.
+18.5 +23.5
19.0
103.10
103.30
103.50
103.40 103.50
103.30 103.40
103.90
104.00 104.05
103.90 103.95
104.40
104.70
102.47
102.64
102.80
103.05
103.55
103.80
104.10
102.95
103.08
103.30
103.45
103.60
MH 103.35
R&R 31" VFCC&G
SAW
MH SAN 103.35
MH 103.67
103.08
103.24
103.40
103.64
103.88
104.12
104.38
104.64
16.0 0.00' CROWN
16.0 0.12' CROWN
16.0 0.00' CROWN
CONTROL PT - P.K. 14+50.39, 00 RT
MH SAN 103.94
103.95
1979 6" ASPHALT ON 8" CRUSHED STONE BASE
103.08
103.24
103.40
103.68
104.13
104.31
104.49
R&R 31" VFCC&G (COV)
R&R 31" VFCC&G
103.18
103.10
103.46
103.63
103.66
103.58
103.50
103.57
103.45
103.80
104.05
102.48
102.71
102.95
16.0
14.0
14.0
103.45
103.50
103.50
103.50
103.58
103.40
103.85
103.87
RESET CB
103.75
103.78
103.75
103.75
103.80
PULVERIZE
17.0
PK 14+50 39 32.0 Rt.
P.K.
CONST. 15.0 R.
CONST. 15.0 R.
103.57
MH 103.57
103.67
103.63
RESET CB
C 103.70
G 103.20
F 103.32
C 103.80
G 103.30
F 103.42
SAW
BM: NE CORNER N. 70TH ST. & W. BEATRICE CT. ELEV: 105.87
15+00
14+00
W. BEATRICE CT.
1979 6.0" ASPH CONC ON 1978 8" STONE BASE
* 6937 W. BEATRICE CT.
127.89
031-0435
LOT 5
1)
EAST
60


W. GREENBROOK CT.
N. 70TH ST.
16+00
16+00
60
1979 6" ASPH CONC PAV'T ON 1978 8" STONE BASE
SAW
RESET CB
RESET CB
PULVERIZE
CONST 15º R
OBST.
R&R 31" VFCC&G
R&R 31" VFCC&G
R&R 31" VFCC&G (COV)
R&R 31" VFCC&G
31" VFCC&G
CORE #3 3.5" ASPH - SOUND 2.0" ASPH - DISINT. 3.0" CR STONE
MH 104.91
MH SAN 105.50
105.22
105.05
104.45
104.60
8º
14º
14º
5º
MAIL
CONTROL PT - CHIS "T" 15+9427, 19ØRT
CONTROL PT - P.K. 15+9082, 19ØRT
CONTROL PT - P.K. 15+9422, 09RT
CONTROL PT - P.K. 15+9082, 09RT
158°8'0"
SEE SHEET 3 OF 5
*8870
115.23
031-0444
LOT 14

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.

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						

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

FILE NO. 356

PLAN OF: N. 70TH ST.

W. BROWN DEER RD. TO 1300'± S. OF W. GLENBROOK RD.

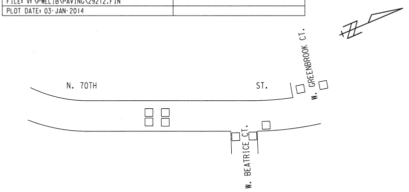
THIS SECTION: W. GREENBROOK CT. TO 500'± WEST OF W. BEATRICE CT.

DRAWN BY	B. MATHENY	DATE: 4/1/13	PROJECT NO. ST211130110		SHEET 2 OF 5
DESCRIPTIONS BY	G. GUERRA	DATE: 4/24/13			
LEVELS BY	BEKELE	DATE: 4/1/13	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY	WHITE	DATE: 4/1/13	1"=10'	31	9
DESIGNED BY	R. DUCHOW	DATE: 4/1/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	G. GUERRA	DATE: 4/24/13	REVISED:		
CHECKED BY	D. Ullatoski	DATE: 1/9/14	REVISED:		
APPROVED BY	Robert D. Valtz	DATE: 1/9/14	REVISED:		
FILE: V:\PWELIB\PAVING\29212.FIN					
PLOT DATE: 03-JAN-2014					

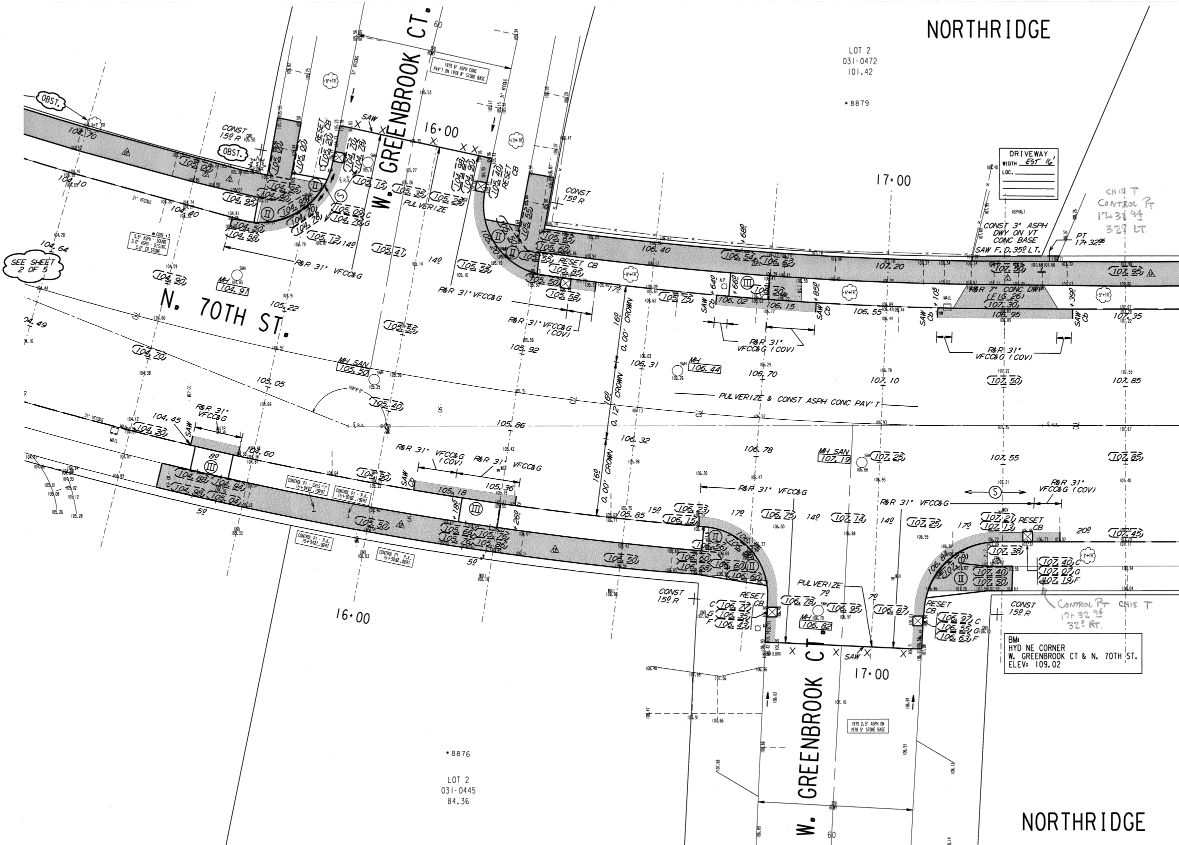
THIS SHEET

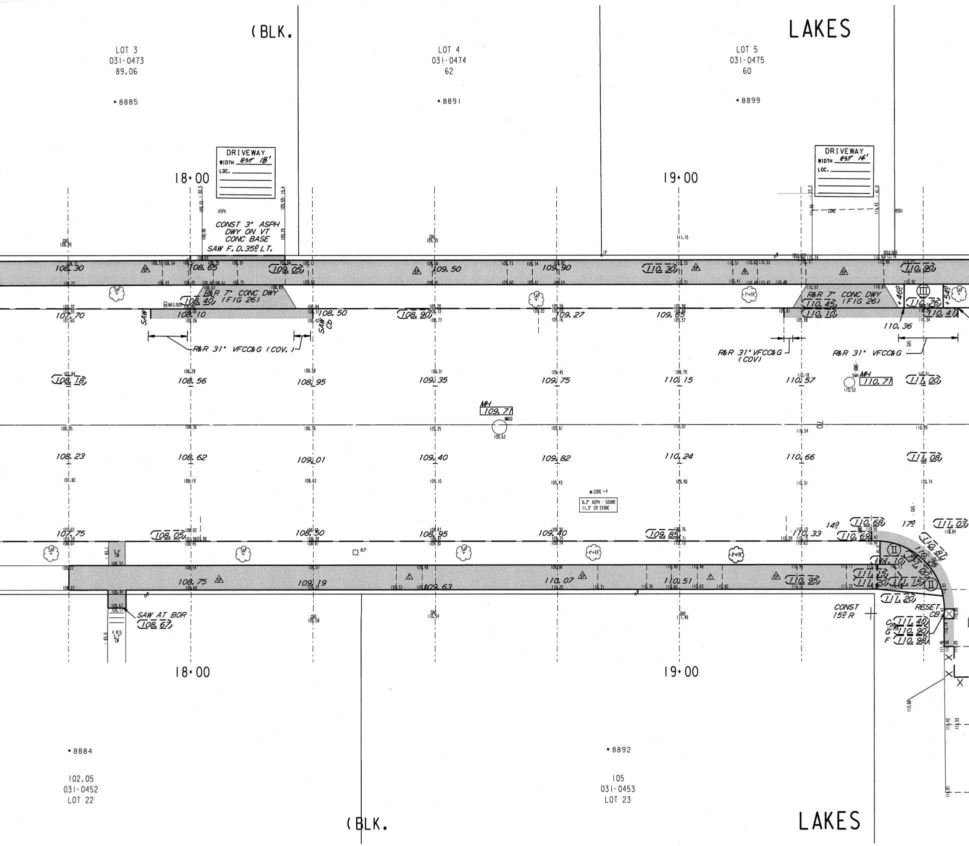
STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 9	ABANDON- 0
PROJECT IN (SEPARATED) AREA		

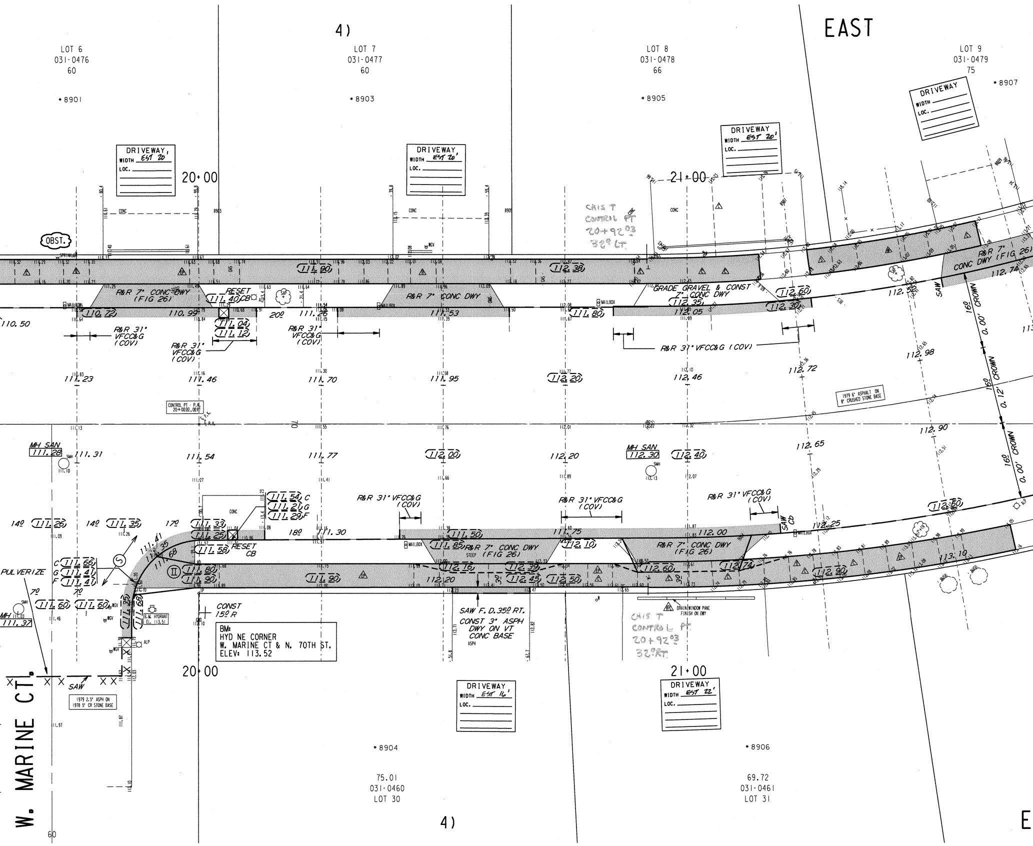
DATE / TO	6/4/13	1/10/14			
ESTIMATING	1	1			
HOLLOW WALKS	1	1			
PUBLIC HEARING	1	1			
CONSTRUCTION	1	1			
SEWER	1	1			
WATER	1	1			
STREET LIGHTING	1	1			
BLDG. SEWERS	1	1			
MEASURING					
FIELD					
DISTRICT FILE	2	2			
FORESTRY	1	1			
W.E. / G.O.					
WIS. GAS CO.	1	1			
TRANSIT SYSTEM					
CABLE TV					
UND. GRD. COND.	1	1			
WATER DIST.	1	1			
WEPCO N/S	1	1			
WEPCO S/S					
SEWER SERVICES					
UTILITY COOR.	1	1			
TRAF. ENG.	1	1			
PLAN SIZE	17.5"X98"				

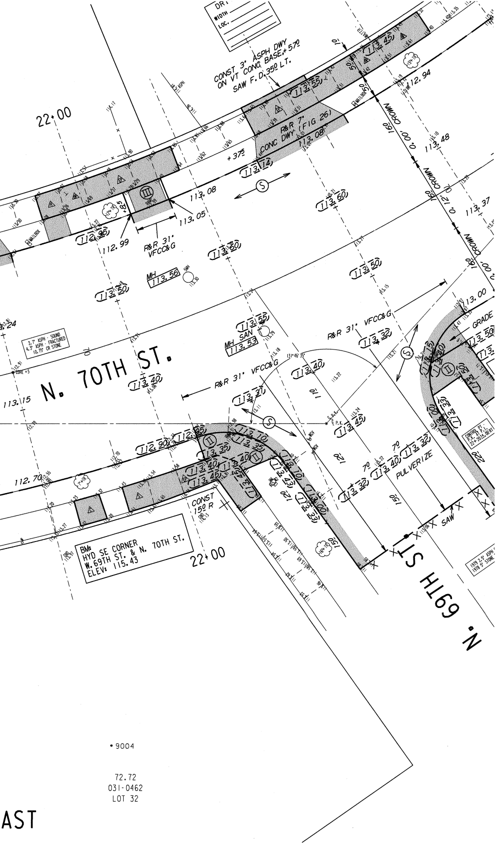

N. 70TH
ST.
W. GREENBROOK CT.
W. BEATRICE CT.

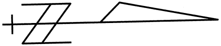
	EROSION	CONTROL	AND	C.B.	REQUISITION	PLAN
	TYPE M	☒ - CBW	☐ - RESET	✕ - ABANDON	☒	
THIS SHEET	9	0	9	0	NO WORK	


NORTHRIDGE
LOT 2
031-0472
101.42
*8879
W. GREENBROOK CT.
16+00
17+00
N. 70TH ST.
SEE SHEET 2 OF 5
OBST.
CONST 15º R
RESET CB
SAW
PULVERIZE
R&R 31' VFCC&G
R&R 31' VFCC&G (COV)
16º 0.00' CROWN
16º 0.12' CROWN
PULVERIZE & CONST ASPH CONC PAV'T
MH SAN 105.50
MH 104.91
MH 106.44
MH SAN 107.19
MH 106.82
DRIVEWAY
WIDTH EST 16'
LOC.
CONST 3" ASPH DWY ON VT CONC BASE
SAW F.D. 35º LT.
R&R 7" CONC DWY (FIG 26)
PT 17+32 96
CHIS T CONTROL PT 17+32 94 32' LT.
CONTROL PT CHIS T 17+32 94 32' RT.
1979 6" ASPH CONC PAV'T ON 1978 8" STONE BASE
1979 2.5" ASPH ON 1978 5" STONE BASE
3.5" ASPH - SOUND
2.0" ASPH - DISINT.
3.0" CR STONE
CONTROL PT - CHIS "T" 15+94.27, 19.0 RT
CONTROL PT - P.K. 15+90.82, 19.0 RT
CONTROL PT - P.K. 15+94.27, 09 RT
CONTROL PT - P.K. 15+90.82, 09 RT
BM:
HYD NE CORNER
W. GREENBROOK CT & N. 70TH ST.
ELEV: 109.02
LOT 2
031-0445
84.36
*8876
NORTHRIDGE


(BLK.
LAKES
LOT 3
031-0473
89.06
• 8885
LOT 4
031-0474
62
• 8891
LOT 5
031-0475
60
• 8899
DRIVEWAY
WIDTH EST 18'
LOC.
DRIVEWAY
WIDTH EST 14'
LOC.
18+00
19+00
ASPH
CONST 3" ASPH DWY ON VT CONC BASE
SAW F.D. 35º LT.
CONC
8901
R&R 7" CONC DWY (FIG 26)
R&R 7" CONC DWY (FIG 26)
MAILBOX
SAW
SAW CB
R&R 31" VFCC&G (COV.)
R&R 31" VFCC&G (COV)
R&R 31" VFCC&G
BOULDER
+46º
+54º
110.36
108.30
108.65
109.05
109.50
109.90
110.30
110.90
108.40
108.10
107.70
108.50
108.90
109.27
109.65
110.45
110.10
110.76
110.41
108.18
108.56
108.95
109.35
109.75
110.15
110.57
111.00
MH
110.71
MH
109.71
MMSD
108.23
108.62
109.01
109.40
109.82
110.24
110.66
111.08
CORE #4
6.2" ASPH - SOUND
11.5" CR STONE
107.75
108.05
108.50
108.95
109.40
109.85
110.33
110.68
110.69
111.03
14º
17º
108.75
109.19
109.63
110.07
110.51
110.95
111.10
111.15
111.20
111.75
111.20
SAW AT BOR
108.67
CONST 15º R
RESET CB
C 111.40
G 110.90
F 110.98
4 RIS
ALP
GAS
18+00
19+00
• 8884
102.05
031-0452
LOT 22
• 8892
105
031-0453
LOT 23
(BLK.
LAKES


EAST
4)
LOT 6
031-0476
60
*8901
LOT 7
031-0477
60
*8903
LOT 8
031-0478
66
*8905
LOT 9
031-0479
75
*8907
DRIVEWAY
WIDTH EST 20
LOC.
DRIVEWAY
WIDTH EST 20'
LOC.
DRIVEWAY
WIDTH EST 20'
LOC.
DRIVEWAY
WIDTH
LOC.
20+00
21+00
OBST.
CONC
CHIS T
CONTROL PT
20+92.03
32.0 LT.
111.90
112.38
R&R 7" CONC DWY (FIG 26)
RESET CB
111.40
R&R 7" CONC DWY
GRADE GRAVEL & CONST 7" CONC DWY
112.35
112.60
112.30
112.05
111.80
111.53
111.26
20.0
110.72
110.99
111.04
111.12
110.50
R&R 31" VFCC&G (COV)
R&R 31" VFCC&G (COV)
R&R 31" VFCC&G (COV)
R&R 31" VFCC&G (COV)
R&R 7" CONC DWY (FIG 26)
112.74
112.52
SAW
16.0 0.00' CROWN
16.0 0.12' CROWN
16.0 0.00' CROWN
112.98
112.72
111.23
111.46
111.70
111.95
112.20
112.46
CONTROL PT - P.K. 20+00.00, 00RT
1979 6" ASPHALT ON 8" CRUSHED STONE BASE
112.90
112.65
70
MH SAN 111.28
111.31
111.54
111.77
112.00
112.20
MH SAN 112.30
112.40
111.54 C
111.21 G
111.29 F
R&R 31" VFCC&G (COV)
R&R 31" VFCC&G (COV)
R&R 31" VFCC&G (COV)
SAW CO
14.0
111.26
14.0
111.35
17.0
111.33
111.25
18.0
111.30
111.50
111.75
112.00
112.25
111.41
111.35
111.68
RESET CB
111.58
111.85 R&R 7" CONC DWY STEEP (FIG 26)
112.10
R&R 7" CONC DWY (FIG 26)
PULVERIZE
C 111.66
G 111.41
F 111.41
111.80
111.90
111.90
112.20
112.76
112.39
112.45
112.50
112.60
112.74
112.90
113.10
7.0
7.0
111.60
111.60
111.35
111.68
MH 111.03
111.37
B.M. HYDRANT EL. 113.51
ALP
CONST 15.0 R
BM:
HYD NE CORNER
W. MARINE CT & N. 70TH ST.
ELEV: 113.52
SAW F.D. 35.0 RT.
CONST 3" ASPH DWY ON VT CONC BASE
DRAIN WINDOW PANE FINISH ON DWY
CHIS T
CONTROL PT
20+92.03
32.0 RT.
SAW
1979 2.5" ASPH ON 1978 5" CR STONE BASE
20+00
21+00
DRIVEWAY
WIDTH EST 16'
LOC.
DRIVEWAY
WIDTH EST 22'
LOC.
*8904
75.01
031-0460
LOT 30
*8906
69.72
031-0461
LOT 31
4)
W. MARINE CT.
60
E


DR.
WIDTH
LOC.
CONST 3" ASPH DWY
ON VT CONC BASE,+57º
SAW F.D.35º LT.
R&R 7"
CONC DWY (FIG 26)
22+00
+37º
(III)
+85
R&R 31"
VFCC&G
113.08
113.05
112.99
112.94
113.48
113.37
13.00
16º 0.00' CROWN
16º 0.12' CROWN
MH
113.56
SAN
MH SAN
113.53
2.7" ASPH - SOUND
4.3" ASPH - FRACTURED
10.75" CR STONE
N. 70TH ST.
113.15
112.70
R&R 31" VFCC&G
131°46'35"
GRADE
PULVERIZE
SAW
CONST
15º R
(II)
BM:
HYD SE CORNER
W.69TH ST. & N. 70TH ST.
ELEV: 115.43
22+00
N. 69TH ST.
CONTROL PT.
1979 2.5" ASPH
1978 5" STONE
9004
72.72
031-0462
LOT 32
AST



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.

SEE SHEET 4 OF 5

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						

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

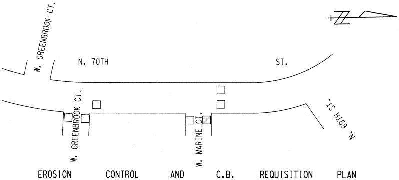
FILE NO. 357

PLAN OF: N. 70TH ST.
W. BROWN DEER RD. TO 1300'± S. OF W. GLENBROOK RD.
THIS SECTION: N. 69TH ST. TO W. GREENBROOK CT.

DRAWN BY	B. MATHENY	DATE: 4/1/13	PROJECT NO. ST211130110	SHEET 3 OF 5
DESCRIPTIONS BY	G. GUERRA	DATE: 4/24/13		
LEVELS BY	BEKELE	DATE: 4/1/13	SCALE 1"=10'	1/4 SEC. 31 ALD.DIST. 9
LEVELS TRANSF. BY	WHITE	DATE: 4/1/13		
DESIGNED BY	R. DUCHOW	DATE: 4/1/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST	
GRADES TRANSF. BY	G. GUERRA	DATE: 4/24/13	REVISED: DELETED PROP. WALK 12-23-13	
CHECKED BY	D. Ulatowski	DATE: 1/9/14	REVISED:	
APPROVED BY		DATE:	REVISED:	
FILE: V:\PWELIB\PAVING\29212.FIN				
PLOT DATE: 03-JAN-2014				

THIS SHEET

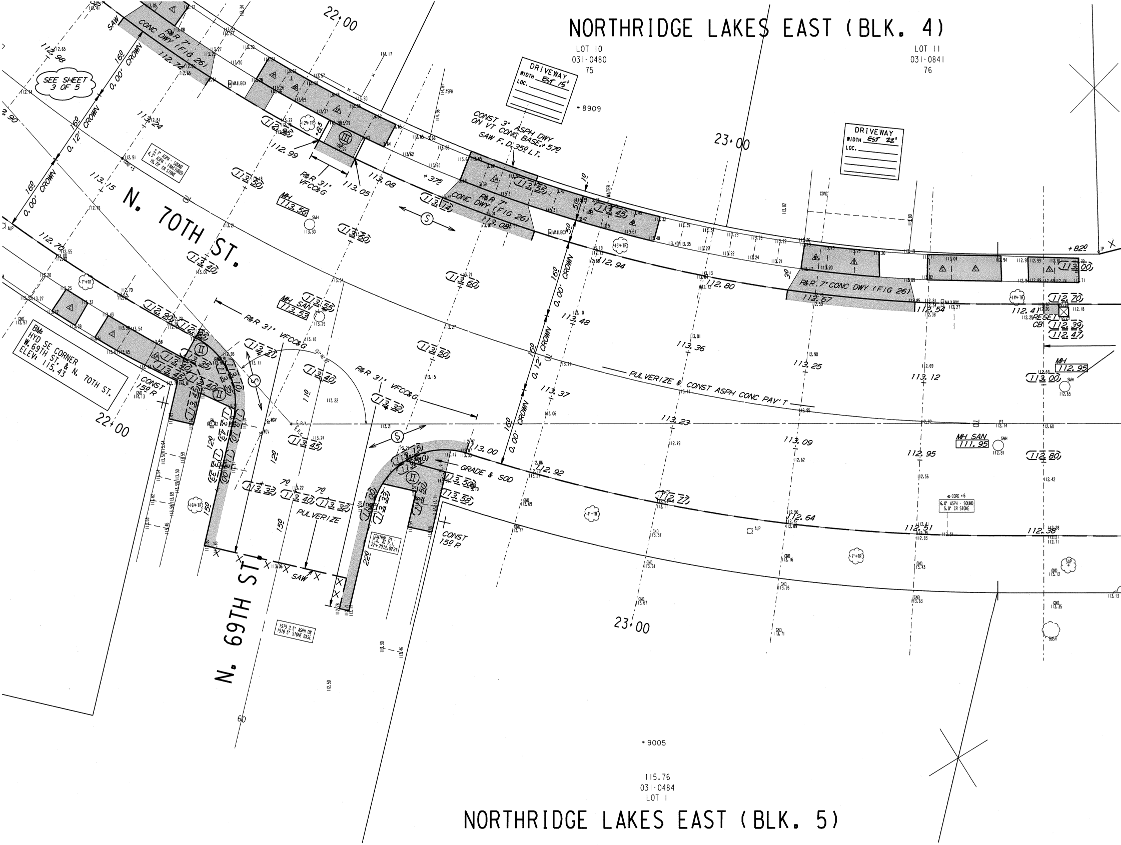
STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 6	ABANDON- 0
PROJECT IN (COMB) (SEPARATED) AREA		

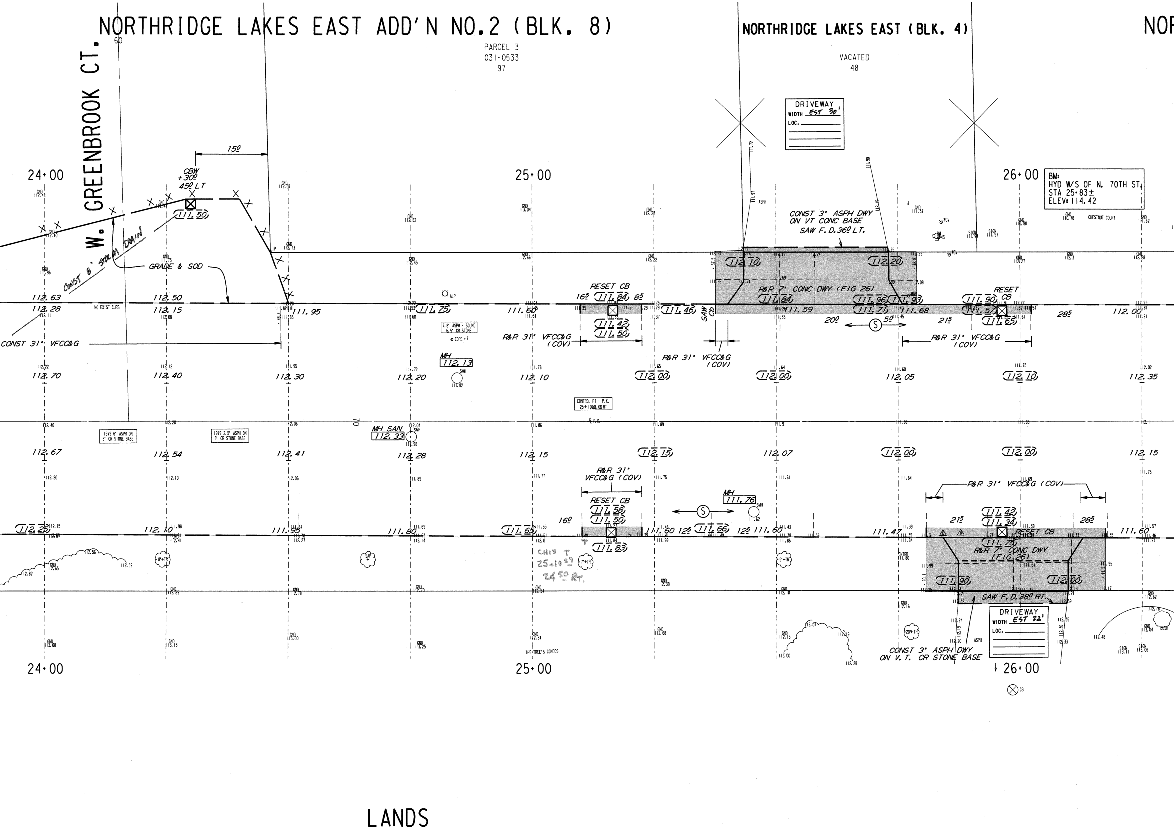

W. GREENBROOK CT.
N. 70TH
ST.
W. GREENBROOK CT.
W. MARINE CT.
N. 69TH ST.

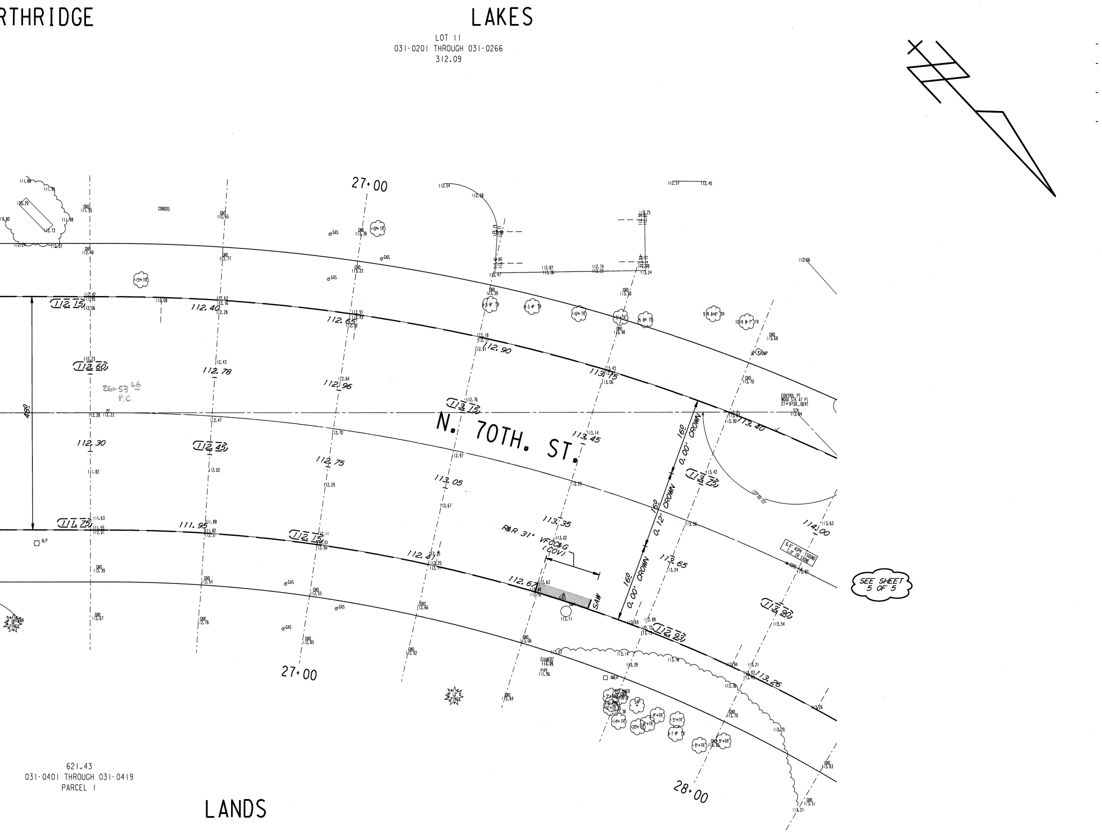
EROSION CONTROL AND C.B. REQUISITION PLAN

	TYPE M	☒ - CBW	☐ - RESET	× - ABANDON	⌀ NO WORK
THIS SHEET	7	0	6	0	

TO \ DATE	6/4/13	1/10/14			
ESTIMATING	/	|			
HOLLOW WALKS	/	|			
PUBLIC HEARING	/	|			
CONSTRUCTION	/	|			
SEWER	/	|			
WATER	/	|			
STREET LIGHTING	/	|			
BLDG. SEWERS	/	|			
MEASURING					
FIELD					
DISTRICT FILE	2	2			
FORESTRY	/	|			
W.E. / G.O.					
WIS. GAS CO.	/	|			
TRANSIT SYSTEM					
CABLE TV					
UND. GRD. COND.	/	|			
WATER DIST.	/	|			
WEPCO N/S	/	|			
WEPCO S/S					
SEWER SERVICES					
UTILITY COOR.	/	|			
TRAF. ENG.	/	|			
PLAN SIZE	17.5'X107'				


NORTHRIDGE LAKES EAST (BLK. 4)
LOT 10
031-0480
75
LOT 11
031-0841
76
DRIVEWAY
WIDTH EST 15'
LOC.
DRIVEWAY
WIDTH EST 22'
LOC.
*8909
23+00
22+00
SEE SHEET 3 OF 5
0.00' CROWN
0.12' CROWN
N. 70TH ST.
N. 69TH ST.
R&R 7' CONC DWY (FIG 26)
R&R 31' VFCC&G
CONST 3" ASPH DWY ON VT CONC BASE, +570 SAW F.D. 35.0 LT.
R&R 7' CONC DWY (FIG 26)
R&R 7' CONC DWY (FIG 26)
PULVERIZE & CONST ASPH CONC PAV'T
MH SAN 113.53
MH 113.56
MH SAN 111.95
MH 112.95
RESET CB
GRADE & SOD
PULVERIZE
SAW
CONST 15.0 R
CONST 15.0 R
CONTROL PT. P.K. AT P.I. 22+20.3, 0.0 RT
BM: HYD SE CORNER W. 69TH ST. & N. 70TH ST. ELEV: 115.43
2.7" ASPH - SOUND 4.3" ASPH - FRACTURED 10.75" CR STONE
6.0" ASPH - SOUND 5.0" CR STONE
1979 2.5" ASPH ON 1978 5" STONE BASE
MAILBOX
+375
+82.0
*9005
115.76
031-0484
LOT 1
NORTHRIDGE LAKES EAST (BLK. 5)


NORTHRIDGE LAKES EAST ADD'N NO.2 (BLK. 8)
PARCEL 3
031-0533
97
NORTHRIDGE LAKES EAST (BLK. 4)
VACATED
48
NOR
W. GREENBROOK CT.
60
DRIVEWAY
WIDTH EST 30'
LOC.
24+00
25+00
26+00
BM:
HYD W/S OF N. 70TH ST.
STA 25+83±
ELEV: 114.42
CHESTNUT COURT
15º
CBW
+30º
45º LT
111.50
CONST 8" STORM DRAIN
GRADE & SOD
CONST 3" ASPH DWY
ON VT CONC BASE
SAW F.D.36º LT.
112.10
112.20
R&R 7" CONC DWY (FIG 26)
111.84
111.96
111.93
111.59
111.71
111.68
SAW CO
RESET CB
16º
111.84
8º
111.42
111.50
RESET
CB
111.90
111.57
111.65
20º
5º
21º
28º
112.00
112.63
112.28
112.50
112.15
NO EXIST CURB
111.95
111.75
111.60
111.46
CONST 31" VFCC&G
R&R 31" VFCC&G (COV)
R&R 31" VFCC&G (COV)
R&R 31" VFCC&G (COV)
7.8" ASPH - SOUND
6.5" CR STONE
CORE #7
MH
112.13
SMH
112.70
112.40
112.30
112.20
112.10
112.00
112.00
112.05
112.10
112.35
CONTROL PT - P.K.
25+10.59, 09 RT
1979 6" ASPH ON
8" CR STONE BASE
1979 2.5" ASPH ON
8" CR STONE BASE
MH SAN
112.33
112.67
112.54
112.41
112.28
112.15
112.15
112.07
112.00
112.00
112.15
R&R 31"
VFCC&G (COV)
RESET CB
111.58
111.50
16º
MH
111.76
SMH
R&R 31" VFCC&G (COV)
21º
111.42
111.34
28º
112.25
112.10
111.95
111.80
111.65
111.60
12º
111.66
12º
111.60
111.47
RESET CB
111.60
111.83
111.75
R&R 7" CONC DWY
(FIG 26)
111.90
112.00
SAW F.D.38º RT.
CHIS T
25+10 59
24 50 RT.
DRIVEWAY
WIDTH EST 22'
LOC.
CONST 3" ASPH DWY
ON V.T. CR STONE BASE
THE TREE'S CONDOS
24+00
25+00
26+00
LANDS


RTHRIDGE
LAKES
LOT 11
031-0201 THROUGH 031-0266
312.09
27+00
27+00
28+00
N. 70TH. ST.
CONDOS
26+53.66
P.C.
48'
160
0.00' CROWN
160
0.12' CROWN
160
0.00' CROWN
R&R 31" VFC&G (COV)
SAW
CONTROL PT WOOD STK AT PI 27+87.02 OFFT
SEE SHEET 5 OF 5
112.15
112.40
112.65
112.90
113.15
113.40
112.60
112.78
112.96
113.15
113.45
113.75
112.30
112.45
112.75
113.05
113.35
113.65
114.00
111.75
111.95
112.15
112.47
112.67
112.93
113.26
113.90
621.43
031-0401 THROUGH 031-0419
PARCEL 1
LANDS

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

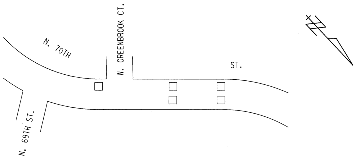
	DESCRIPTION	UNIT	ASSESS.	X-ING			PLAN TOT.	PROJ. TOT.
	MOBILIZATION	L.S.						
	FINISHING ROADWAY	L.S.						
	BARRICADING AND SIGNING	L.S.						
	CUTTING	C.Y.						
	ROADWAY CUTTING	C.Y.						
	FILLING	C.Y.						
	ROADWAY FILLING	C.Y.						
	PAVEMENT REMOVAL	S.Y.						
	BITUMINOUS SURFACE REMOVAL	S.Y.						
	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
VGC	VERY GOOD
VPC	VERY POOR

DEPARTMENT OF PUBLIC WORKS INFRASTRUCTURE SERVICES DIVISION FIELD OPERATIONS FIELD & DESIGN ENGINEERING MILWAUKEE, WISCONSIN			FILE NO. 35B
PLAN OF:	N. 70TH ST.		
W. BROWN DEER RD. TO 1300'± S. OF W. GLENBROOK RD.			
THIS SECTION: 290' ± EAST OF W. GREENBROOK CT. TO N. 69TH ST.			
DRAWN BY	B. MATHENY	DATE: 4/1/13	PROJECT NO.
DESCRIPTIONS BY	G. GUERRA	DATE: 4/24/13	ST211130110 — SHEET 4 OF 5
LEVELS BY	BEKELE	DATE: 4/1/13	SCALE: 1" = 10' — 1/4 SEC.: 31 — ALD.DIST.: 9
LEVELS TRANSF. BY	WHITE	DATE: 4/1/13	
DESIGNED BY	R. DUCHOW	DATE: 4/10/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST
GRADES TRANSF. BY	G. GUERRA	DATE: 4/24/13	REVISED: DELETED PROP. WALK 12-23-13
CHECKED BY	D. Ulatowski	DATE: 1/9/14	REVISED:
APPROVED BY	Robt D.	DATE: 1/9/14	REVISED:
FILE: V:\PWELIB\PAVING\29212.FIN			
PLOT DATE: 03-JAN-2014			

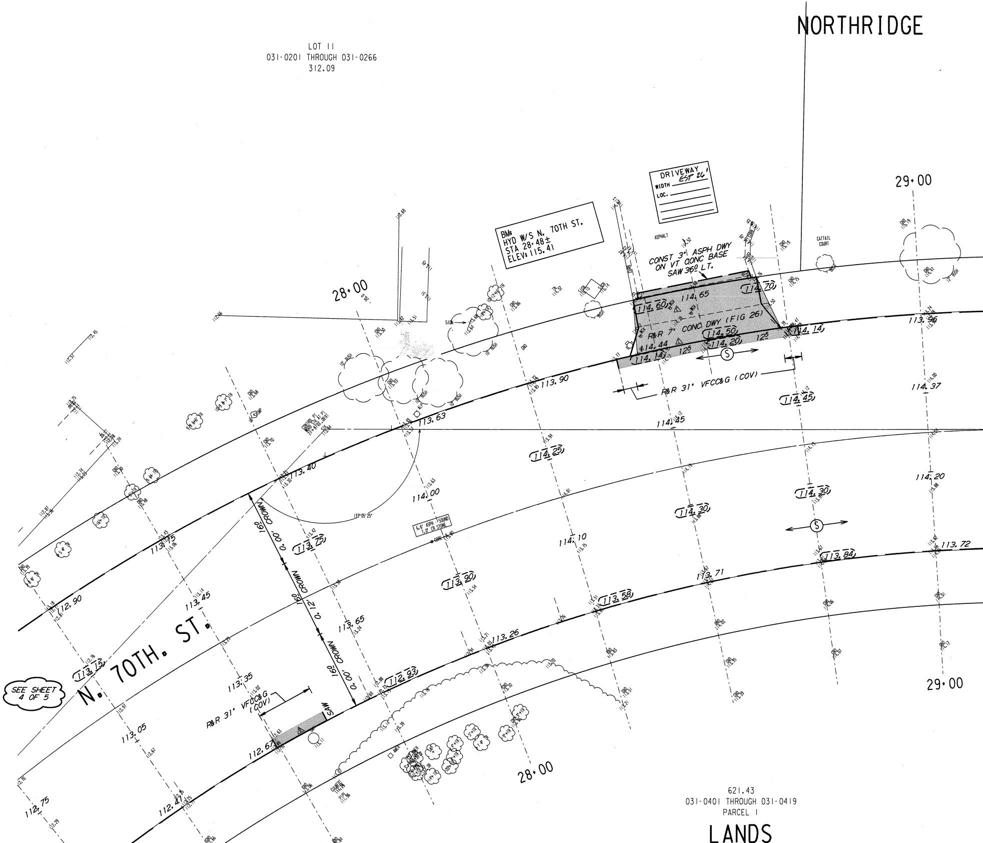
THIS SHEET

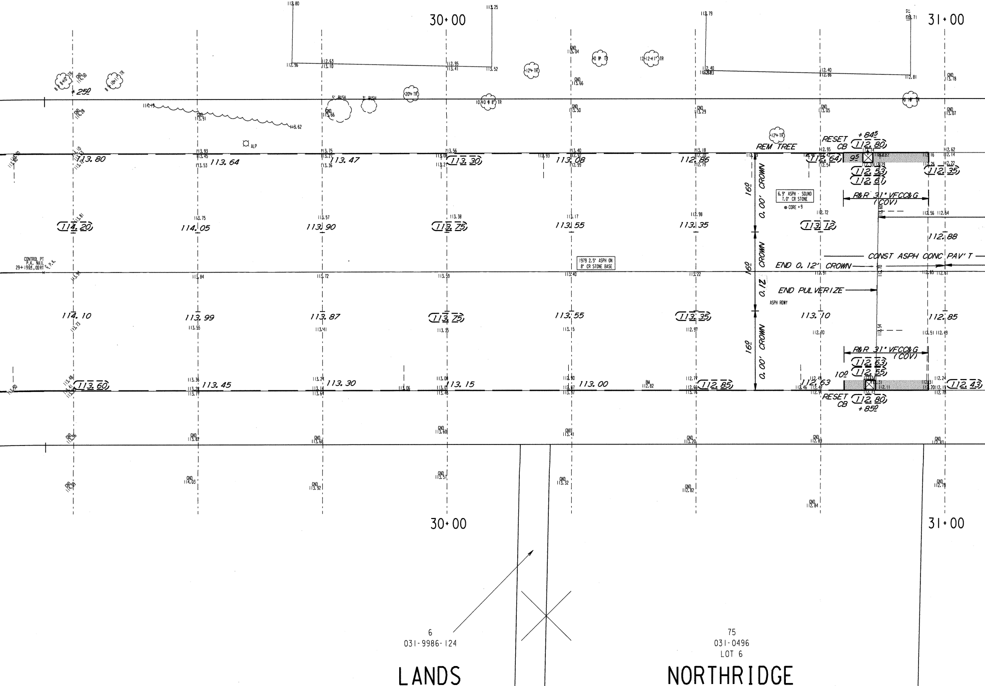
STORM DRAINAGE UNITS		
C.B.W. - 0	RESET - 5	ABANDON - 0
PROJECT IN (SEPARATED) AREA		


N. 70TH
W. GREENBROOK CT.
ST.
N. 69TH ST.

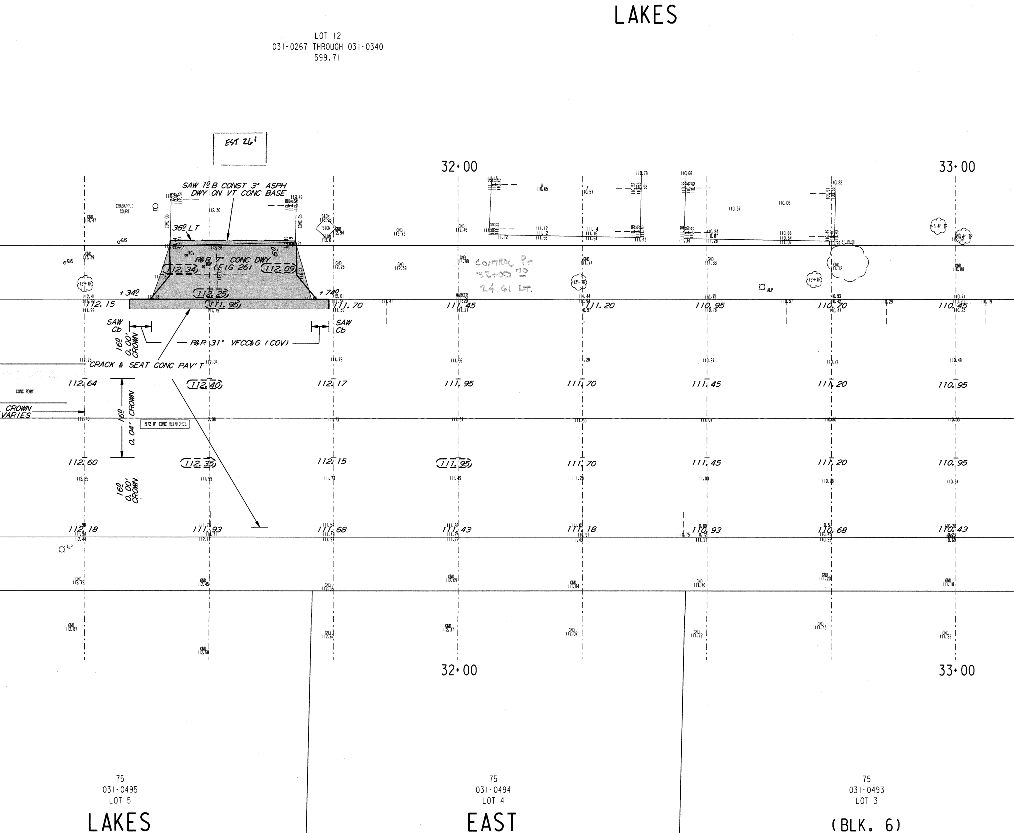
	EROSION CONTROL	AND C.B.	REQUISITION	PLAN
	TYPE M	☒ - CBW	☐ - RESET	× - ABANDON	⌀ NO WORK
THIS SHEET	5	0	5	0	

TO \ DATE	4/4/13	1/10/14			
ESTIMATING	/	1			
HOLLOW WALKS	/	1			
PUBLIC HEARING	/	1			
CONSTRUCTION	/	1			
SEWER	/	1			
WATER	/	1			
STREET LIGHTING	/	1			
BLDG. SEWERS	/	1			
MEASURING					
FIELD					
DISTRICT FILE	2	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			
TRAF. ENG.	/	1			
PLAN SIZE	17.5" X 96"				


NORTHRIDGE
LOT 11
031-0201 THROUGH 031-0266
312.09
DRIVEWAY
WIDTH EST 26'
LOC.
29+00
BM: HYD W/S N. 70TH ST.
STA 28+48±
ELEV: 115.41
28+00
ASPHALT
CATTAIL COURT
CONST 3" ASPH DWY ON VT CONC BASE SAW 36° LT.
114.60
114.65
114.70
R&R 7" CONC DWY (FIG 26)
114.50
114.20
114.14
114.44
114.14
12⁵
12⁵
113.96
113.90
R&R 31" VFCC&G (COV)
114.45
114.37
113.63
114.45
114.25
113.40
114.00
114.20
114.30
114.30
133°05'25"
6.6' ASPH - SOUND
7.0' CR STONE
16⁰ CROWN
0.00' CROWN
16⁰ CROWN
0.12' CROWN
16⁰ CROWN
0.00' CROWN
113.75
113.75
114.10
113.72
113.84
113.90
113.71
113.58
112.90
113.45
113.65
113.26
N. 70TH. ST.
113.15
SEE SHEET 4 OF 5
113.35
112.93
R&R 31" VFCC&G (COV)
SAW
113.05
112.67
28+00
29+00
112.75
112.47
621.43
031-0401 THROUGH 031-0419
PARCEL 1
LANDS



30+00
31+00
+25⁰
5' BUSH
3' BUSH
ALP
REM TREE
RESET CB
+84⁵
112.80
9⁵
112.64
112.53
112.61
R&R 31" VFCC&G (COV)
6.9" ASPH - SOUND 7.0" CR STONE
CORE #9
113.80
113.64
113.47
113.30
113.08
112.86
16⁰
0.00' CROWN
114.20
114.05
113.90
113.75
113.55
113.35
113.12
112.35
112.88
CONST ASPH CONC PAV'T
CONTROL PT P.K. NAIL 29+19.84, 0.8RT
1979 2.5" ASPH ON 8" CR STONE BASE
END 0.12' CROWN
END PULVERIZE
0.12
ASPH RDWY
114.10
113.99
113.87
113.75
113.55
113.35
113.10
112.85
R&R 31" VFCC&G (COV)
112.63
112.55
10⁰
112.63
113.60
113.45
113.30
113.15
113.00
112.85
112.43
RESET CB
112.80
+85⁰
GND
6
031-9986-124
LANDS
75
031-0496
LOT 6
NORTHRIDGE



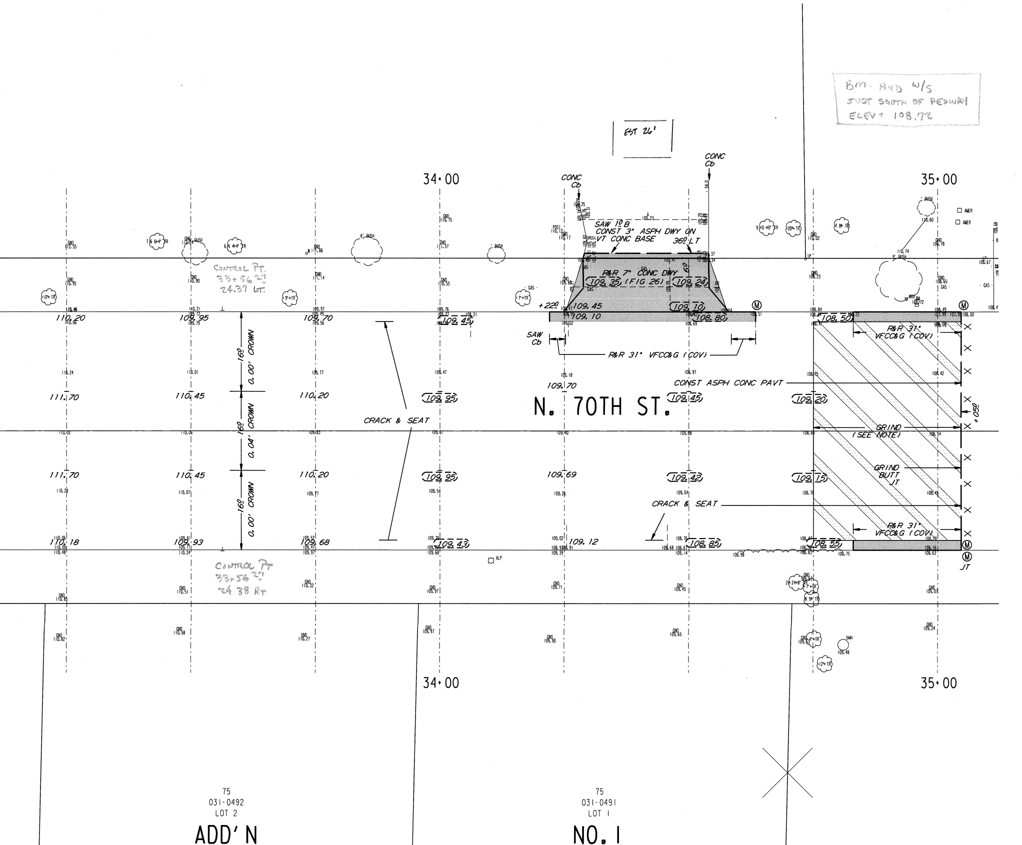
LAKES
LOT 12
031-0267 THROUGH 031-0340
599.71
EST 26'
32+00
33+00
SAW 1º B CONST 3" ASPH DWY ON VT CONC BASE
CRABAPPLE COURT
CONC Cb
36º LT
6º
GAS
R&R 7" CONC DWY (FIG 26)
112.34
112.09
112.25
111.95
+34º
+74º
13" TR
SIGN
GND
CONTROL PT 32+00 70 24.61 LT
MARKER
ALP
8' BUSH
5-8" TR
SAW Cb
R&R 31" VFCC&G (COV)
16º 0.00' CROWN
CRACK & SEAT CONC PAV'T
CONC RDWY
CROWN VARIES
16º 0.04' CROWN
1972 8" CONC REINFORCE
112.15
111.70
111.45
111.20
110.95
110.70
110.45
112.64
112.40
112.17
111.95
111.70
111.45
111.20
110.95
112.60
112.35
112.15
111.95
111.70
111.45
111.20
110.95
112.18
111.93
111.68
111.43
111.18
110.93
110.68
110.43
75
031-0495
LOT 5
75
031-0494
LOT 4
75
031-0493
LOT 3
LAKES
EAST
(BLK. 6)

Bm. HYD W/S
JUST SOUTH OF PEDWAY
ELEV= 108.72

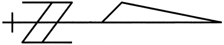
EST 26'

CONTROL PT.
33+56 ??
24.37 LT.

CONTROL PT
33+56 ??
24.38 RT



34+00
35+00
N. 70TH ST.
CONC Cb
SAW 1º B
CONST 3" ASPH DWY ON
VT CONC BASE
36º LT
R&R 7" CONC DWY
(FIG 26)
+22º
SAW Cb
R&R 31" VFCC&G (COV)
CONST ASPH CONC PAVT
CRACK & SEAT
16º
0.00' CROWN
0.04' CROWN
GRIND
(SEE NOTE)
GRIND
BUTT
JT
+05º
JT
GAS
BUSH
ALP
SMH
AMER
110.20
109.95
109.70
109.45
109.10
109.35
109.24
109.10
108.80
108.50
111.70
110.45
110.20
109.95
109.70
109.45
109.20
109.69
109.42
109.15
110.18
109.93
109.68
109.43
109.12
108.85
108.55
75
031-0492
LOT 2
ADD'N
75
031-0491
LOT 1
NO. 1



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						

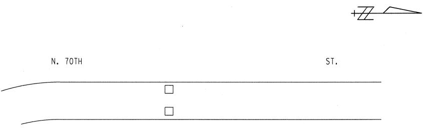
DEPARTMENT OF PUBLIC WORKS INFRASTRUCTURE SERVICES DIVISION FIELD OPERATIONS FIELD & DESIGN ENGINEERING MILWAUKEE, WISCONSIN				FILE NO. 359
PLAN OF: N. 70TH ST.				
W. BROWN DEER RD. TO 1300'± S. OF W. GLENBROOK RD.				
THIS SECTION: 1100'± WEST OF W. GLENBROOK RD. TO 290'± EAST OF W. GREENBROOK CT.				

DRAWN BY	B. MATHENY	DATE: 4/1/13	PROJECT NO. ST211130110		SHEET 5 OF 5
DESCRIPTIONS BY	G. GUERRA	DATE: 4/10/13			
LEVELS BY	BEKELE	DATE: 4/1/13	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY	WHITE	DATE: 4/1/13	1" = 10'	31	9
DESIGNED BY	R. DUCHOW	DATE: 4/1/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	G. GUERRA	DATE: 4/24/13	REVISED: 12/23/13 LIMITS EXT'D		
CHECKED BY	D. Ulatoski	DATE: 1/9/14	REVISED: 12/23/13 DELETED PROP WALK		
APPROVED BY		DATE: 1/9/14	REVISED:		
FILE: V:\PWELIB\PAVING\29212.FIN					
PLOT DATE: 03-JAN-2014					

THIS SHEET

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

TO \ DATE	6/4/13	1/10/13			
ESTIMATING	1	1			
HOLLOW WALKS	1	1			
PUBLIC HEARING	1	1			
CONSTRUCTION	1	1			
SEWER	1	1			
WATER	1	1			
STREET LIGHTING	1	1			
BLDG. SEWERS	1	1			
MEASURING					
FIELD					
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	1	1			
WEPCO S/S					
SEWER SERVICES					
UTILITY COOR.	1	1			
TRAF. ENG.	1	1			
PLAN SIZE	17.5' X 112'				



EROSION CONTROL AND C.B. REQUISITION PLAN

	TYPE M	☒ - CBW	☐ - RESET	X - ABANDON	☐
THIS SHEET	2	0	2	0	NO WORK