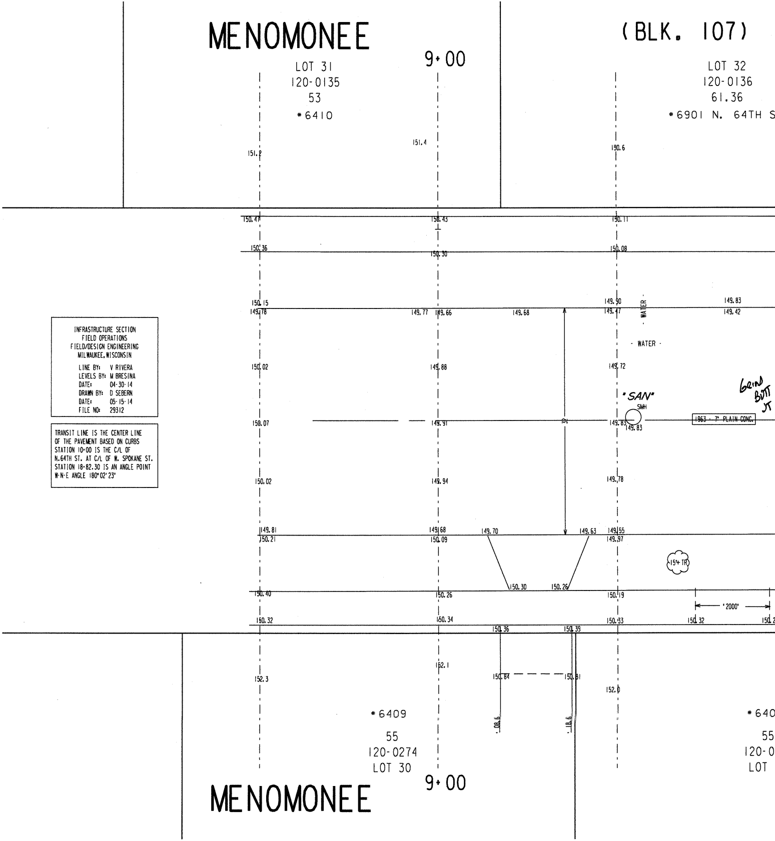
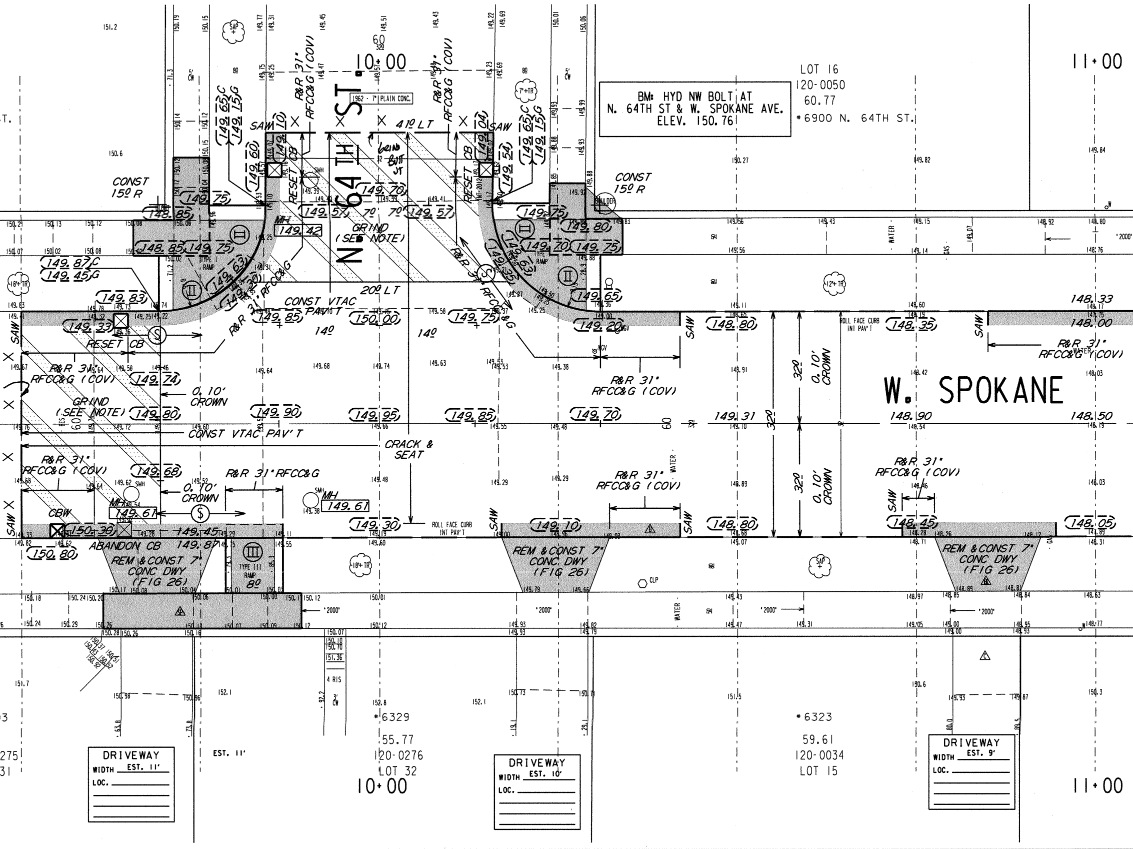
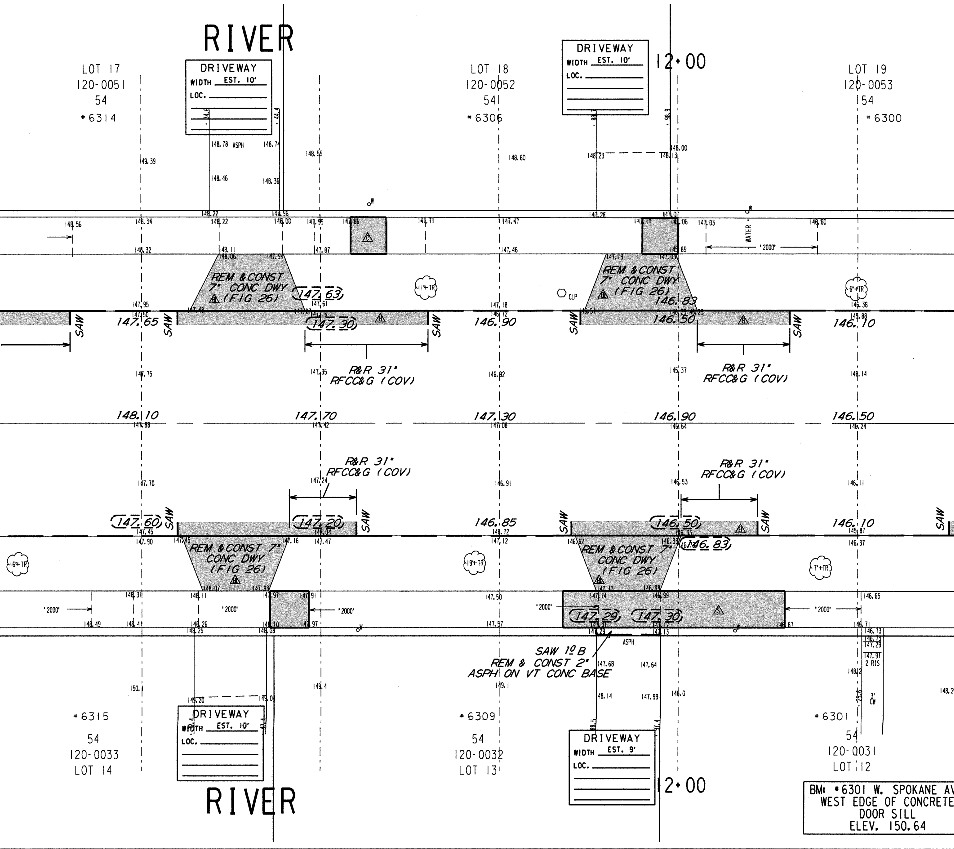

MENOMONEE
LOT 31
120-0135
53
*6410
9+00
(BLK. 107)
LOT 32
120-0136
61.36
*6901 N. 64TH S
151.2
151.4
150.6
150.47
150.43
150.11
150.36
150.30
150.08
150.15
149.78
149.77
149.66
149.68
149.90
149.47
WATER
149.83
149.42
- WATER -
150.02
149.88
149.72
GRIND BUTT JT
"SAN"
SMH
150.07
149.91
32
149.83
149.83
1963 - 7" PLAIN CONC.
150.02
149.94
149.78
149.81
150.21
149.68
150.09
149.70
149.63
149.55
149.97
15" TR
150.30
150.26
150.40
150.26
150.19
'2000'
150.32
150.34
150.33
150.32
150.2
150.36
150.39
152.3
152.1
150.84
150.81
152.0
08.6
18.6
*6409
55
120-0274
LOT 30
9+00
MENOMONEE
*640
55
120-0
LOT

INFRASTRUCTURE SECTION
FIELD OPERATIONS
FIELD/DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

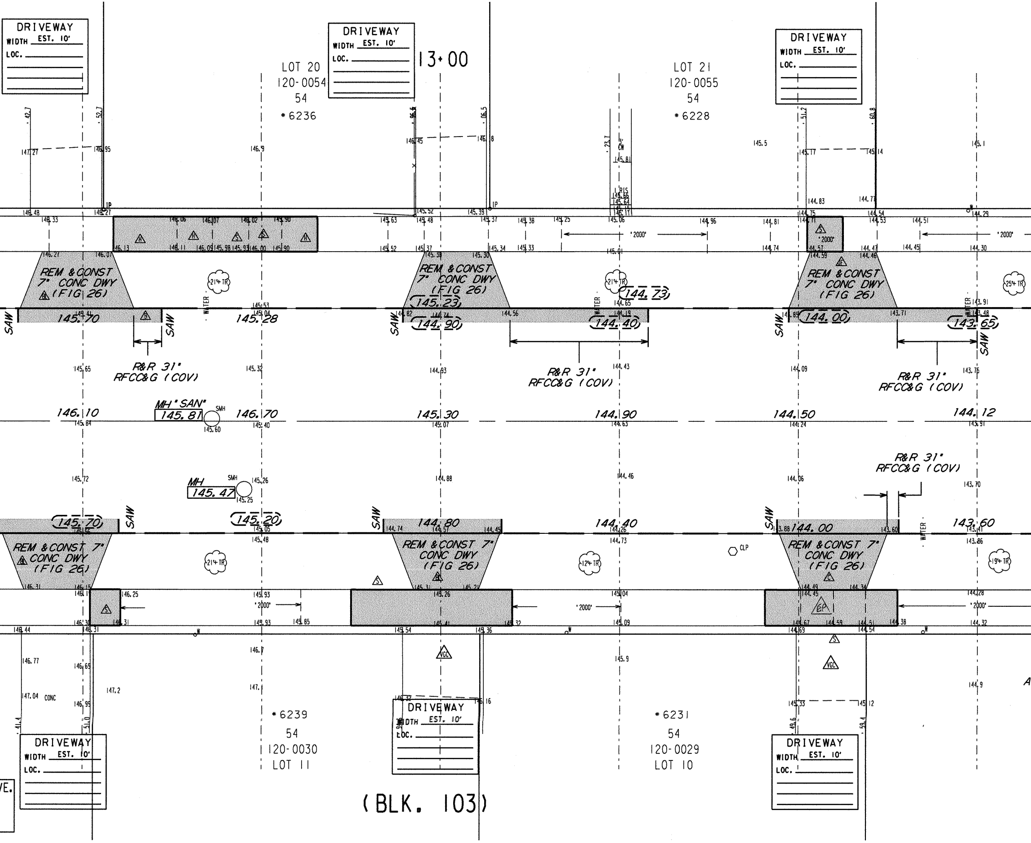
LINE BY:	V RIVERA
LEVELS BY:	M BRESINA
DATE:	04-30-14
DRAWN BY:	D SEBERN
DATE:	05-15-14
FILE NO:	29312

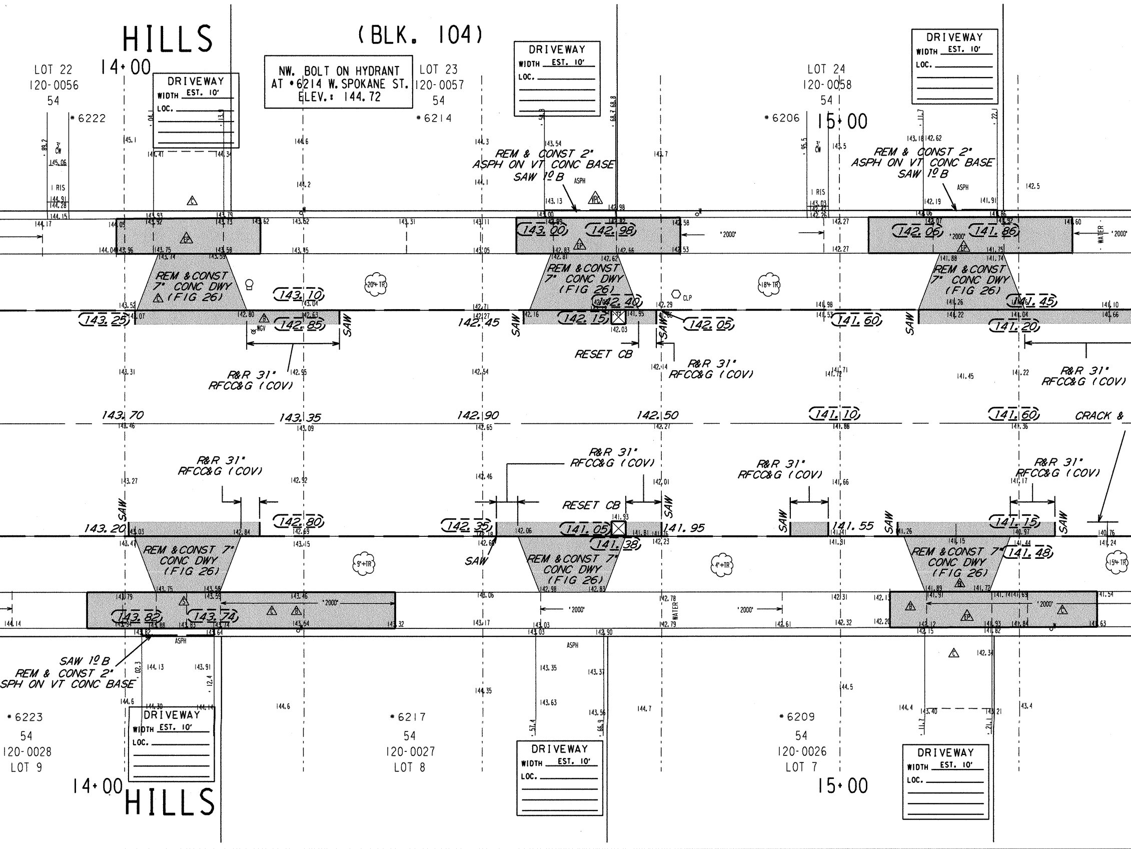
TRANSIT LINE IS THE CENTER LINE OF THE PAVEMENT BASED ON CURBS STATION 10+00 IS THE C/L OF N.64TH ST. AT C/L OF W. SPOKANE ST. STATION 18+82.30 IS AN ANGLE POINT W-N-E ANGLE 180°02'23"

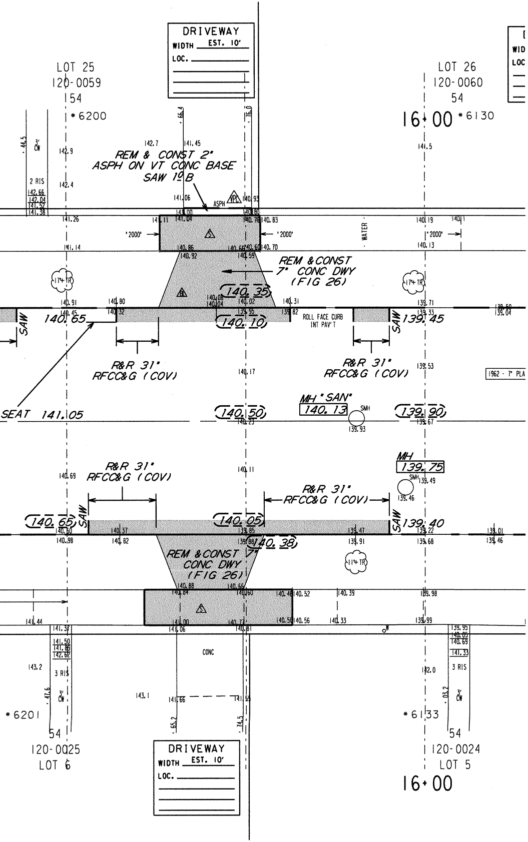

10+00
11+00
N. 64TH ST.
W. SPOKANE
BM: HYD NW BOLT AT
N. 64TH ST & W. SPOKANE AVE.
ELEV. 150.76
LOT 16
120-0050
60.77
*6900 N. 64TH ST.
1962 - 7" PLAIN CONC.
41º LT
20º LT
SAW
RESET CB
R&R 31" RFCC&G (COV)
R&R 31" RFCC&G
CONST 15º R
CONST VTAC PAV'T
GRIND (SEE NOTE)
GRIND BUTT JT
MH 149.42
MH 149.61
0.10' CROWN
CRACK & SEAT
ROLL FACE CURB INT PAV'T
TYPE I RAMP
TYPE III RAMP
BOULDER
CBW
ABANDON CB
REM & CONST 7" CONC DWY (FIG 26)
SMH
CLP
WATER
GAS
'2000'
14º
70'
32º
60
8º
(149.65)C
(149.15)G
(149.60)
(149.75)
(148.85)
(149.57)
(149.70)
(149.54)
(149.80)
(149.87)C
(149.45)G
(149.63)
(149.30)
(149.83)
(149.33)
(149.85)
(150.00)
(149.20)
(148.80)
(148.35)
148.33
148.00
(149.74)
(149.90)
(149.95)
(149.70)
149.31
148.90
148.50
(149.68)
(150.30)
149.45
149.87
(150.80)
(149.30)
(149.10)
(148.45)
(148.05)
#6329
55.77
120-0276
LOT 32
#6323
59.61
120-0034
LOT 15
DRIVEWAY
WIDTH EST. 11'
LOC.
EST. 11'
DRIVEWAY
WIDTH EST. 10'
LOC.
DRIVEWAY
WIDTH EST. 9'
LOC.
4 RIS
3' CW
5' CW
SAP
18" TR
12" TR
7"+TR


RIVER
LOT 17
120-0051
54
*6314
DRIVEWAY
WIDTH EST. 10'
LOC.
LOT 18
120-0052
541
*6306
DRIVEWAY
WIDTH EST. 10'
LOC.
12+00
LOT 19
120-0053
54
*6300
REM & CONST 7" CONC DWY (FIG 26)
(147.63)
SAW
147.65
(147.30)
146.90
REM & CONST 7" CONC DWY (FIG 26)
146.83
146.50
146.10
R&R 31" RFCC&G (COV)
R&R 31" RFCC&G (COV)
148.10
147.70
147.30
146.90
146.50
R&R 31" RFCC&G (COV)
R&R 31" RFCC&G (COV)
(147.60)
(147.20)
146.85
(146.50)
146.10
REM & CONST 7" CONC DWY (FIG 26)
REM & CONST 7" CONC DWY (FIG 26)
(146.83)
(147.29)
(147.30)
SAW 1º B
REM & CONST 2" ASPH ON VT CONC BASE
'2000'
WATER
CLP
16"+TR
19"+TR
11"+TR
6"+TR
7"+TR
ASPH
2 RIS
3' CW
*6315
54
120-0033
LOT 14
DRIVEWAY
WIDTH EST. 10'
LOC.
*6309
54
120-0032
LOT 13
DRIVEWAY
WIDTH EST. 9'
LOC.
12+00
*6301
54
120-0031
LOT 12
RIVER

BM: *6301 W. SPOKANE AV
WEST EDGE OF CONCRETE
DOOR SILL
ELEV. 150.64


DRIVEWAY
WIDTH EST. 10'
LOC.
DRIVEWAY
WIDTH EST. 10'
LOC.
13+00
DRIVEWAY
WIDTH EST. 10'
LOC.
LOT 20
120-0054
54
*6236
LOT 21
120-0055
54
*6228
REM & CONST 7" CONC DWY (FIG 26)
REM & CONST 7" CONC DWY (FIG 26)
REM & CONST 7" CONC DWY (FIG 26)
SAW
SAW
SAW
SAW
SAW
145.70
145.28
145.23
144.90
144.73
144.40
144.00
143.65
R&R 31" RFCC&G (COV)
R&R 31" RFCC&G (COV)
R&R 31" RFCC&G (COV)
'2000'
'2000'
'2000'
21"+ TR
21"+ TR
25"+ TR
WATER
WATER
WATER
WATER
MH "SAN" 145.81
SMH
146.10
146.70
145.30
144.90
144.50
144.12
R&R 31" RFCC&G (COV)
MH 145.47
SMH
145.70
145.20
144.80
144.40
144.00
143.60
SAW
SAW
SAW
SAW
REM & CONST 7" CONC DWY (FIG 26)
REM & CONST 7" CONC DWY (FIG 26)
REM & CONST 7" CONC DWY (FIG 26)
21"+ TR
12"+ TR
19"+ TR
CLP
'2000'
'2000'
'2000'
'2000'
VGC
VGC
EP
CONC
*6239
54
120-0030
LOT 11
*6231
54
120-0029
LOT 10
DRIVEWAY
WIDTH EST. 10'
LOC.
DRIVEWAY
WIDTH EST. 10'
LOC.
DRIVEWAY
WIDTH EST. 10'
LOC.
(BLK. 103)


HILLS
(BLK. 104)
LOT 22
120-0056
54
14+00
DRIVEWAY
WIDTH EST. 10'
LOC.
NW. BOLT ON HYDRANT
AT #6214 W. SPOKANE ST.
ELEV.: 144.72
LOT 23
120-0057
54
#6222
#6214
DRIVEWAY
WIDTH EST. 10'
LOC.
LOT 24
120-0058
54
#6206
15+00
DRIVEWAY
WIDTH EST. 10'
LOC.
REM & CONST 2"
ASPH ON VT CONC BASE
SAW 1º B
REM & CONST 2"
ASPH ON VT CONC BASE
SAW 1º B
ASPH
1 RIS
3' CW
REM & CONST
7" CONC DWY
(FIG 26)
REM & CONST
7" CONC DWY
(FIG 26)
REM & CONST
7" CONC DWY
(FIG 26)
143.00
142.98
142.06
141.86
143.10
142.85
143.25
142.45
142.40
142.15
142.05
141.60
141.45
141.20
RESET CB
R&R 31"
RFCC&G (COV)
R&R 31"
RFCC&G (COV)
R&R 31"
RFCC&G (COV)
20"+TR
18"+TR
CLP
WCV
'2000'
WATER
SAW
143.70
143.35
142.90
142.50
141.10
141.60
CRACK &
R&R 31"
RFCC&G (COV)
R&R 31"
RFCC&G (COV)
R&R 31"
RFCC&G (COV)
R&R 31"
RFCC&G (COV)
RESET CB
143.20
142.80
142.35
141.05
141.38
141.95
141.55
141.15
141.48
REM & CONST 7"
CONC DWY
(FIG 26)
REM & CONST 7"
CONC DWY
(FIG 26)
REM & CONST 7"
CONC DWY
(FIG 26)
9"+TR
4"+TR
15"+TR
143.82
143.74
'2000'
WATER
SAW 1º B
REM & CONST 2"
ASPH ON VT CONC BASE
ASPH
#6223
54
120-0028
LOT 9
DRIVEWAY
WIDTH EST. 10'
LOC.
#6217
54
120-0027
LOT 8
DRIVEWAY
WIDTH EST. 10'
LOC.
#6209
54
120-0026
LOT 7
DRIVEWAY
WIDTH EST. 10'
LOC.
14+00
HILLS
15+00


DRIVEWAY
WIDTH EST. 10'
LOC.
LOT 25
120-0059
54
*6200
LOT 26
120-0060
54
16+00
*6130
REM & CONST 2" ASPH ON VT CONC BASE SAW 1º B
REM & CONST 7" CONC DWY (FIG 26)
'2000'
WATER
140.35
140.10
140.65
139.45
SAW
ROLL FACE CURB INT PAV'T
R&R 31" RFCC&G (COV)
SEAT 141.05
140.50
MH "SAN" 140.13
SMH
139.90
1962 - 7" PLA
MH 139.75
140.05
140.38
139.40
17+ TR
11+ TR
2 RIS
3 RIS
3' CW
CONC
ASPH
VPC
*6201
54
120-0025
LOT 6
*6133
54
120-0024
LOT 5
16+00
DRIVEWAY
WIDTH EST. 10'
LOC.

SEE SHEET 2 OF 2

NOTES :

- Ⓘ, Ⓘⅰ, Ⓘⅱ, 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 AND 0.17' AT BUTT JOINTS AND 0.21' MINIMUM ELSEWHERE.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED "SAN" (SANITARY).
- ANY TREES TO BE REMOVED AS PART OF THIS PROJECT WILL BE NOTED IN SPECIAL PROVISIONS.
- PITCH FLANGE .08 UNLESS OTHERWISE SHOWN.
- REMOVE ALL ASPHALT PATCHES WITHIN THE LIMITS OF CONSTRUCTION.

* FULL DEPTH SAWING IS REQUIRED AT CURB FLANGE, (2' FROM CURB FACE), BEFORE CRACKING & SEATING.

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.						
☒	6" 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						
☒	CRACK & SEAT PAV'T	S.Y.						
☒	JT. AND CRACK REPAIR	L.F.						1000

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

PLAN OF: W. SPOKANE AVE. (6900N, 6400W)

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

FILE NO. 56

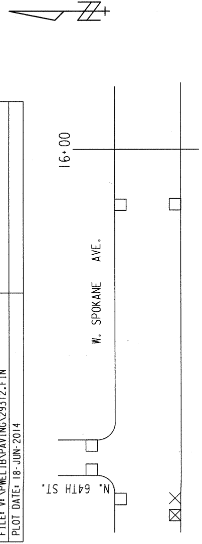
N. 60TH ST. TO N. 64TH ST.
THIS SECTION: 300' WEST OF N. 61ST ST. TO N. 64TH ST.

DRAWN BY		DATE:	PROJECT NO. ST211140119	SHEET 1 OF 2
DESCRIPTIONS BY		DATE:		
LEVELS BY	BRESINA	DATE: 5/1/14	SCALE	1/4 SEC. · ALD.DIST.
LEVELS TRANSF. BY		DATE:	1" = 10'	120 · 9
DESIGNED BY	MANHARDT	DATE: 5/30/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST	
GRADES TRANSF. BY	DB / GL	DATE: 6/10/14	REVISED:	
CHECKED BY	D. Ulrich	DATE: 6/23/14	REVISED:	
APPROVED BY	R. D.	DATE: 6/23/14	REVISED:	
FILE: V:\PWELIB\PAVING\29312.FIN				
PLOT DATE: 18-JUN-2014				

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 1	RESET- 5	ABANDON- 1
PROJECT IN (SEPARATED) AREA		

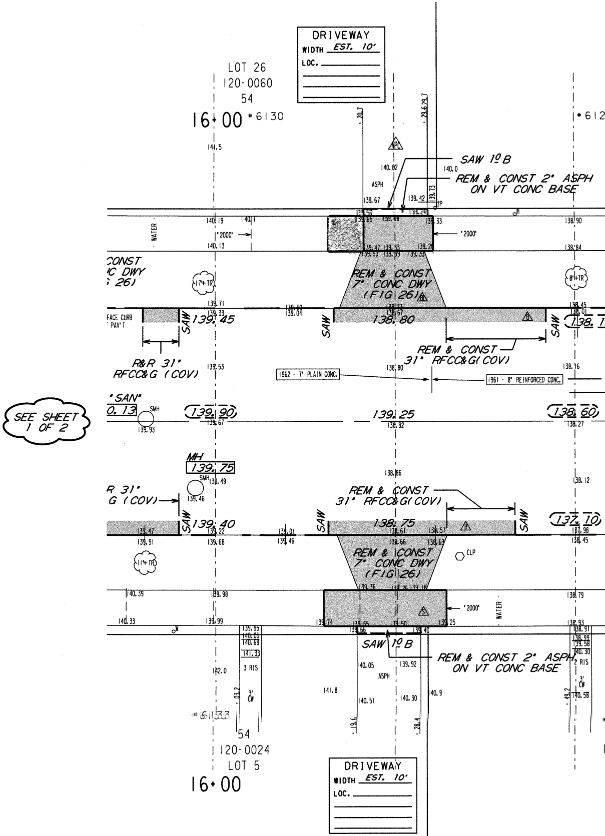
TO \ DATE	6/24/14	8/14/14			
ESTIMATING	1				
HOLLOW WALKS	1				
PUBLIC HEARING	1				
CONSTRUCTION	1	6			
SEWER	1				
WATER	1				
STREET LIGHTING	1				
BLDG. SEWERS					
MEASURING		1			
FIELD					
DISTRICT FILE	2				
FORESTRY	1				
W.E. / G.O.					
WIS. GAS CO.					
TRANSIT SYSTEM					
CABLE TV					
UND. GRD. COND.	1				
WATER DIST.	1				
WEPCO N/S					
WEPCO S/S					
SEWER SERVICES					
UTILITY COOR.	1				
Traffic Engr RM 506	1	6			
PLAN SIZE	12x110				

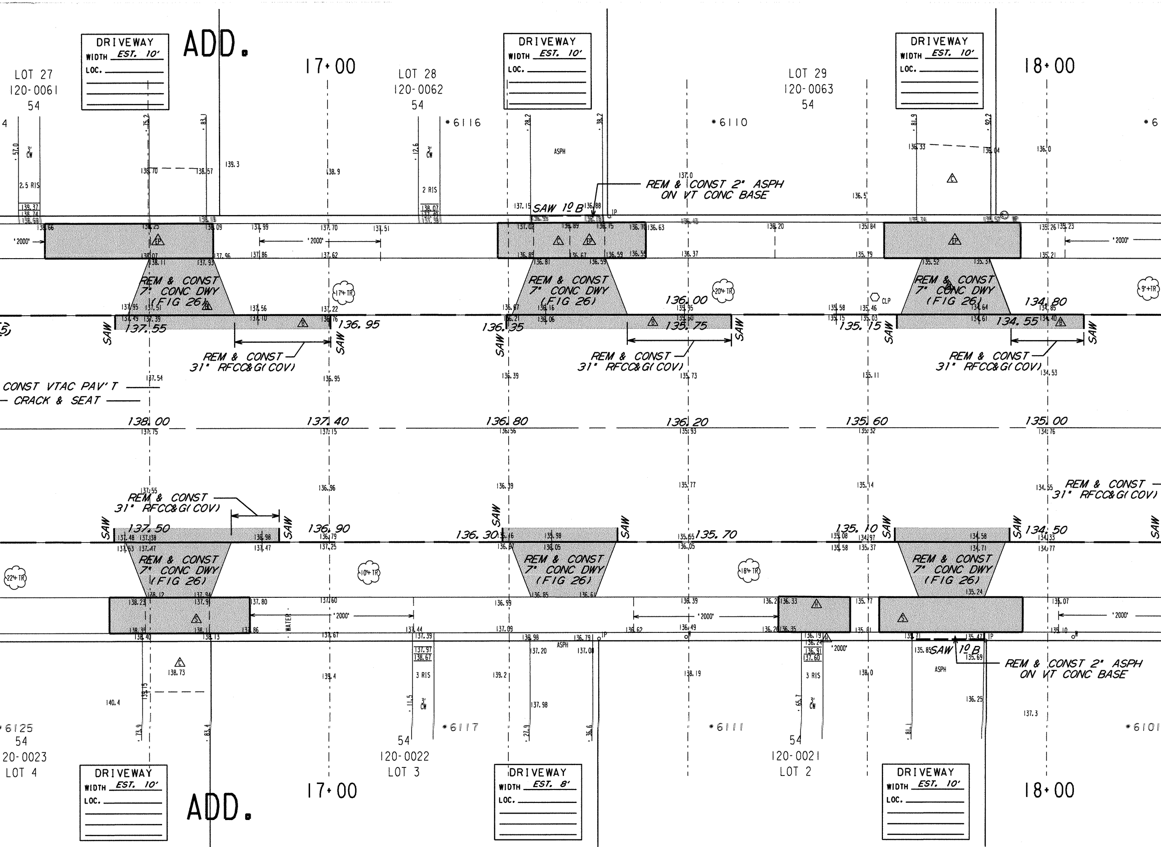


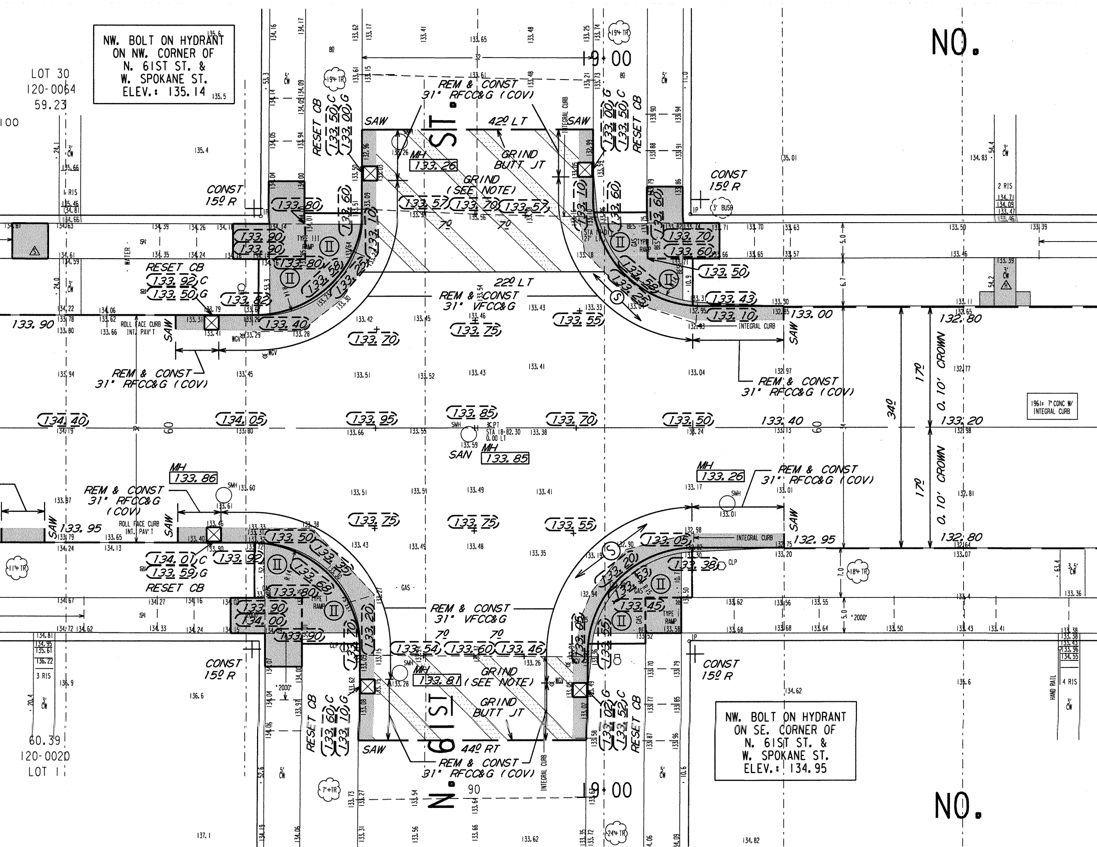
16+00
W. SPOKANE AVE.
N. 64TH ST.

	EROSION CONTROL	AND C.B.	REQUISITION		PLAN
	TYPE M	☒ - CBW	☐ - RESET	X - ABANDON	☒
THIS SHEET	6	1	5	1	NO WORK
PROJECT TOTAL	18	1	14	1	NO WORK

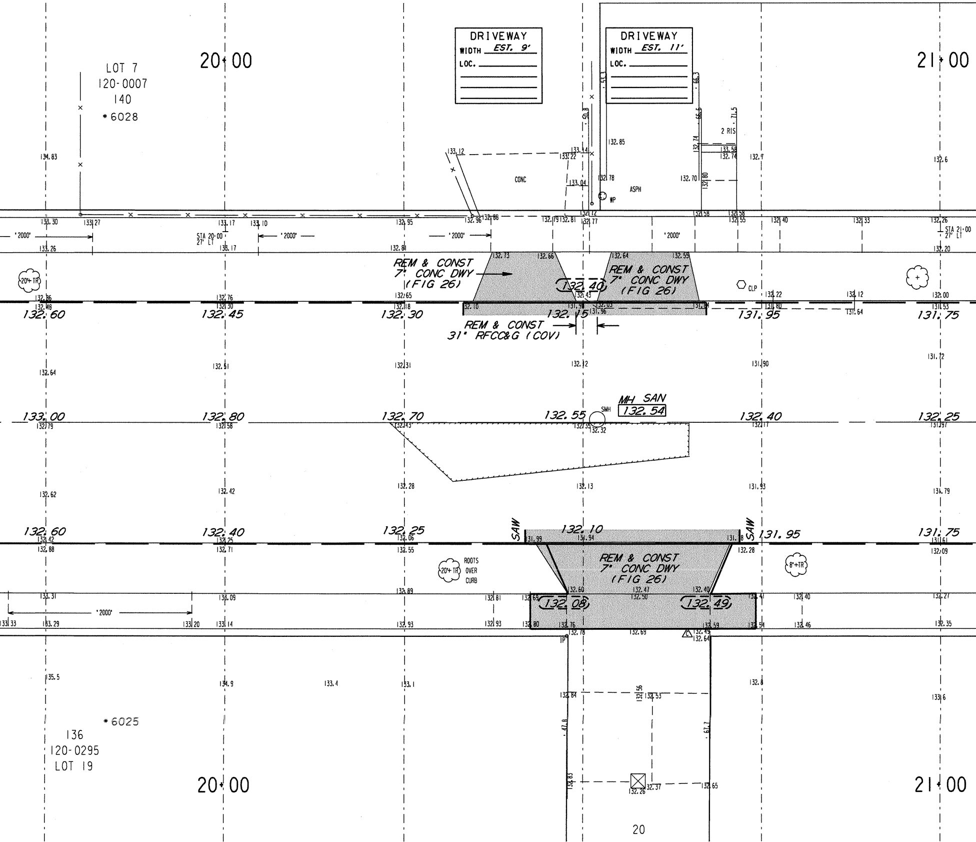
W. SPOKANE AVE. - N. 60TH ST. TO N. 64TH ST.
300' WEST OF N. 61ST ST. TO N. 64TH ST
ST211140119 12" X 110" # 29312 (1 OF 2)


DRIVEWAY
WIDTH EST. 10'
LOC.
LOT 26
120-0060
54
16+00
*6130
*612
SAW 1º B
REM & CONST 2" ASPH ON VT CONC BASE
ASPH
WATER
'2000'
CONST
C DWY
26)
REM & CONST 7" CONC DWY (FIG 26)
17" TR
8" TR
FACE CURB
PAV'T
SAW
139.45
138.80
138.7
R&R 31" RFCC&G (COV)
REM & CONST 31" RFCC&G (COV)
1962 - 7" PLAIN CONC.
1961 - 8" REINFORCED CONC.
"SAN"
0.13
SMH
SEE SHEET 1 OF 2
139.90
139.25
138.60
MH
139.75
R 31"
G (COV)
139.40
138.75
137.10
11" TR
CLP
SAW 1º B
REM & CONST 2" ASPH ON VT CONC BASE
3 RIS
2 RIS
3' CW
*6133
54
120-0024
LOT 5
16+00
DRIVEWAY
WIDTH EST. 10'
LOC.

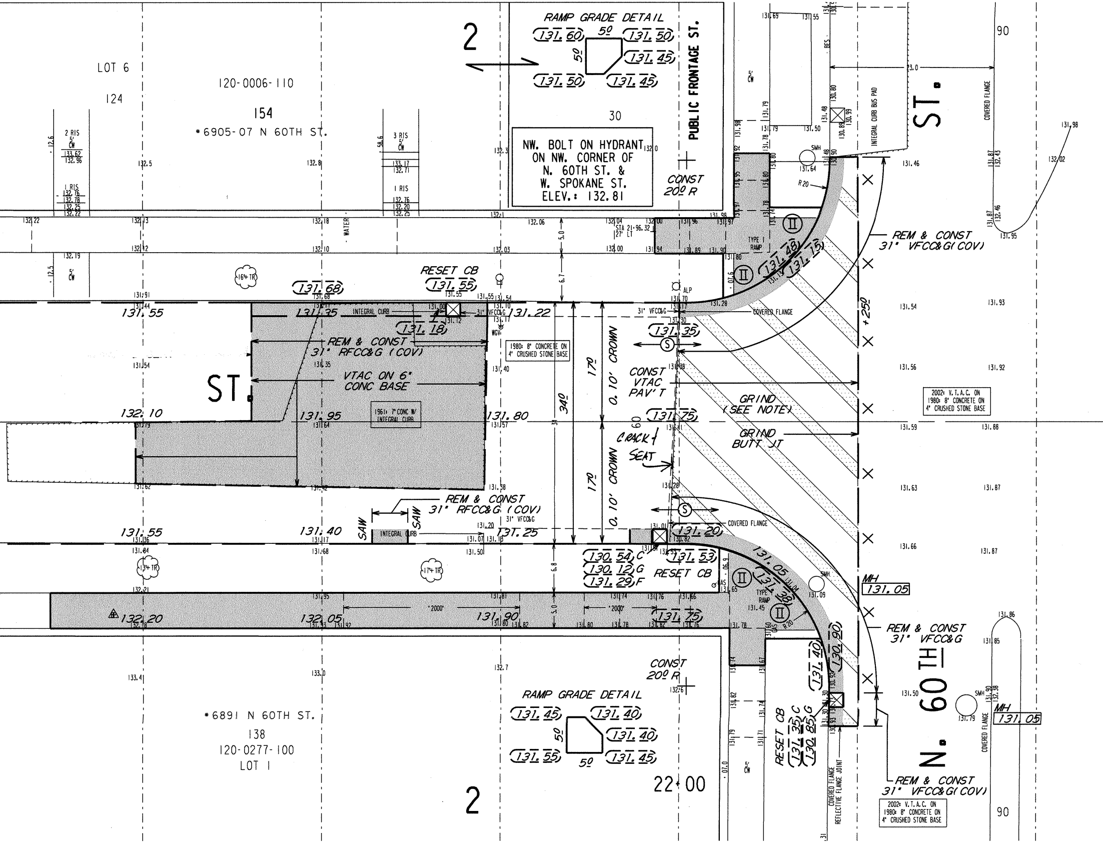

ADD.
17+00
18+00
LOT 27
120-0061
54
LOT 28
120-0062
54
LOT 29
120-0063
54
*6116
*6110
DRIVEWAY
WIDTH EST. 10'
LOC.
DRIVEWAY
WIDTH EST. 10'
LOC.
DRIVEWAY
WIDTH EST. 10'
LOC.
REM & CONST 2" ASPH
ON VT CONC BASE
SAW 1" B
ASPH
REM & CONST
7" CONC DWY
(FIG 26)
REM & CONST
7" CONC DWY
(FIG 26)
REM & CONST
7" CONC DWY
(FIG 26)
REM & CONST
31" RFCC&G(COV)
REM & CONST
31" RFCC&G(COV)
REM & CONST
31" RFCC&G(COV)
SAW
137.55
136.95
136.35
136.00
135.75
135.15
134.80
134.55
CONST VTAC PAV'T
CRACK & SEAT
138.00
137.40
136.80
136.20
135.60
135.00
REM & CONST
31" RFCC&G(COV)
REM & CONST
31" RFCC&G(COV)
137.50
136.90
136.30
135.70
135.10
134.50
REM & CONST
7" CONC DWY
(FIG 26)
REM & CONST
7" CONC DWY
(FIG 26)
REM & CONST
7" CONC DWY
(FIG 26)
'2000'
WATER
17+ TR
20+ TR
9'+TR
10+ TR
18+ TR
22+ TR
CLP
3 RIS
2 RIS
2.5 RIS
3' CW
SAW 1" B
REM & CONST 2" ASPH
ON VT CONC BASE
*6125
54
20-0023
LOT 4
*6117
54
120-0022
LOT 3
*6111
54
120-0021
LOT 2
*6101
DRIVEWAY
WIDTH EST. 10'
LOC.
DRIVEWAY
WIDTH EST. 8'
LOC.
DRIVEWAY
WIDTH EST. 10'
LOC.
ADD.
17+00
18+00



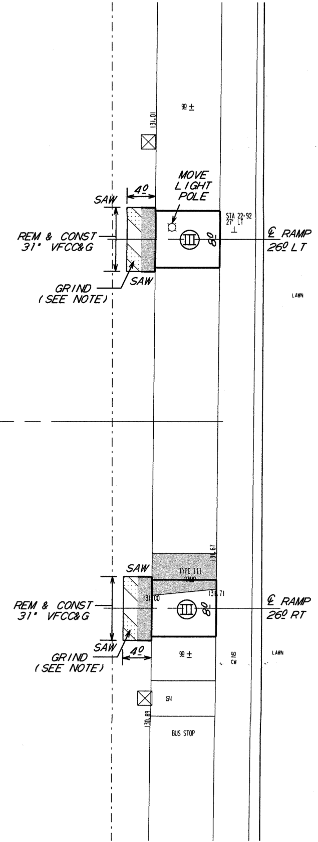
NW. BOLT ON HYDRANT
ON NW. CORNER OF
N. 61ST ST. &
W. SPOKANE ST.
ELEV.: 135.14
LOT 30
120-0064
59.23
NO.
19+00
N. 61ST ST.
REM & CONST
31" RFCC&G (COV)
42º LT
SAW
GRIND
BUTT JT
GRIND
(SEE NOTE)
MH
133.26
CONST
15º R
RESET CB
133.50 C
133.00 G
133.00 G
133.50 C
133.80
133.60
133.10
133.57
133.70
133.57
7º
7º
133.90
133.90
133.80
133.58
133.25
133.82
133.40
TYPE III RAMP
133.70
133.60
133.50
133.43
133.10
133.00
133.55
RESET CB
133.92 C
133.50 G
22º LT
REM & CONST
31" VFCC&G
133.70
133.75
133.90
132.80
ROLL FACE CURB INT. PAV'T
INTEGRAL CURB
REM & CONST
31" RFCC&G (COV)
WATER
WGV
134.40
134.05
133.95
133.85
133.70
133.50
133.40
133.20
SMH
PT
STA 18+82.30
0.00 LT
SAN
MH
133.85
34º
17º
17º
0.10' CROWN
0.10' CROWN
1961: 7" CONC W/ INTEGRAL CURB
60
60
MH
133.86
MH
133.26
REM & CONST
31" RFCC&G
(COV)
133.95
133.75
133.75
133.55
132.95
132.80
134.01 C
133.59 G
RESET CB
133.92
133.50
133.35
133.68
133.80
133.90
134.00
133.20
133.70
133.90
TYPE I RAMP
133.05
133.20
133.53
133.38
133.45
133.55
133.05
CLP
GAS
REM & CONST
31" VFCC&G
7º
7º
133.54
133.60
133.46
GRIND
(SEE NOTE)
MH
133.81
GRIND
BUTT JT
CONST
15º R
CONST
15º R
RESET CB
133.60 C
133.10 G
133.02 G
133.52 C
RESET CB
SAW
44º RT
REM & CONST
31" RFCC&G (COV)
90
19+00
NW. BOLT ON HYDRANT
ON SE. CORNER OF
N. 61ST ST. &
W. SPOKANE ST.
ELEV.: 134.95
60.39
120-0020
LOT 1
NO.
HAND RAIL
4 RIS
3 RIS
2 RIS
1 RIS
IP
3' BUSH
19" TR
11" TR
18" TR
7" TR
24" TR
"2000"



20+00
21+00
LOT 7
120-0007
140
*6028
DRIVEWAY
WIDTH EST. 9'
LOC.
DRIVEWAY
WIDTH EST. 11'
LOC.
CONC
ASPH
WP
2 RIS
STA 20+00 27' LT
STA 21+00 27' LT
'2000'
REM & CONST 7" CONC DWY (FIG 26)
REM & CONST 7" CONC DWY (FIG 26)
REM & CONST 31" RFCC&G (COV)
132.40
CLP
20"+TR
132.60
132.45
132.30
132.15
131.95
131.75
MH SAN
132.54
SMH
133.00
132.80
132.70
132.55
132.40
132.25
SAW
SAW
132.60
132.40
132.25
132.10
131.95
131.75
REM & CONST 7" CONC DWY (FIG 26)
20"+TR
ROOTS OVER CURB
8"+TR
132.08
132.49
IP
*6025
136
120-0295
LOT 19
20+00
21+00
20



RAMP GRADE DETAIL
131.60
5.0
131.50
5.0
131.45
131.50
131.45
2
LOT 6
124
120-0006-110
154
*6905-07 N 60TH ST.
30
NW. BOLT ON HYDRANT
ON NW. CORNER OF
N. 60TH ST. &
W. SPOKANE ST.
ELEV.: 132.81
PUBLIC FRONTAGE ST.
CONST
20.0 R
ST.
90
INTEGRAL CURB BUS PAD
COVERED FLANGE
TYPE I RAMP
REM & CONST
31" VFCC&G (COV)
RESET CB
131.55
131.68
131.55
131.35
INTEGRAL CURB
31" VFCC&G
131.22
131.18
REM & CONST
31" RFCC&G (COV)
VTAC ON 6" CONC BASE
1980: 8" CONCRETE ON 4" CRUSHED STONE BASE
1961: 7" CONC W/ INTEGRAL CURB
ST.
132.10
131.95
131.80
34.0
17.0
0.10' CROWN
CONST VTAC PAV'T
131.35
131.75
GRIND (SEE NOTE)
GRIND BUTT JT
CRACK + SEAT
2002: V.T.A.C. ON 1980: 8" CONCRETE ON 4" CRUSHED STONE BASE
+25.0
REM & CONST
31" RFCC&G (COV)
SAW
SAW
INTEGRAL CURB
131.55
131.40
131.25
131.20
130.54 C
130.12 G
131.29 F
131.53
RESET CB
131.05
131.38
MH 131.05
132.20
132.05
131.90
131.75
2000'
REM & CONST
31" VFCC&G
N. 60TH ST.
CONST
20.0 R
RAMP GRADE DETAIL
131.45
131.40
131.40
131.55
131.45
5.0
5.0
*6891 N 60TH ST.
138
120-0277-100
LOT 1
2
22+00
RESET CB
131.35 C
130.85 G
131.40
130.90
COVERED FLANGE
REFLECTIVE FLANGE JOINT
REM & CONST
31" VFCC&G (COV)
2002: V.T.A.C. ON 1980: 8" CONCRETE ON 4" CRUSHED STONE BASE
MH 131.05
90


131.01
9º ±
MOVE LIGHT POLE
SAW
4º
REM & CONST 31" VFCC&G
SAW
GRIND (SEE NOTE)
STA 22+92
27' LT
III
8º
℄ RAMP
26º LT
LAWN
SAW
TYPE III RAMP
131.67
131.00
131.71
REM & CONST 31" VFCC&G
III
8º
℄ RAMP
26º RT
SAW
4º
GRIND (SEE NOTE)
9º ±
5º
CW
LAWN
5º
130.89
BUS STOP

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.						
☒	6" 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						
☒	CRACK & SEAT PAV'T	S.Y.						
☒	JT. AND CRACK REPAIR	L.F.						1000

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

FILE NO. 57

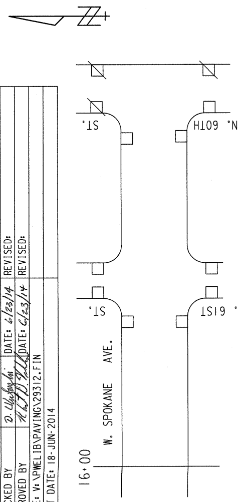
PLAN OF: **W. SPOKANE AVE.** (6900N, 6100W)
N. 60TH ST. TO N. 64TH ST.
THIS SECTION: N. 60TH ST. TO 300' WEST OF N. 61ST ST.

DRAWN BY		DATE:	PROJECT NO. ST211140119
DESCRIPTIONS BY		DATE:	SHEET 2 OF 2
LEVELS BY	BRESINA	DATE: 5/1/14	SCALE 1"=10'
LEVELS TRANSF. BY		DATE:	1/4 SEC. 120
DESIGNED BY	MANHARDT	DATE: 5/30/14	ALD.DIST. 9
GRADES TRANSF. BY	DB / GL	DATE: 6/10/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST
CHECKED BY	D. Wuchenski	DATE: 6/23/14	REVISED:
APPROVED BY	[illegible]	DATE: 6/23/14	REVISED:
FILE: V:\PWELIB\PAVING\29312.FIN			REVISED:
PLOT DATE: 18-JUN-2014			

THIS SHEET

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

DATE / TO	6/24/14	8/14/14			
ESTIMATING	1				
HOLLOW WALKS	1				
PUBLIC HEARING	1				
CONSTRUCTION	1	6			
SEWER	1				
WATER	1				
STREET LIGHTING	1				
BLDG. SEWERS					
MEASURING		1			
FIELD					
DISTRICT FILE	2				
FORESTRY	1				
W.E. / G.O.					
WIS. GAS CO.					
TRANSIT SYSTEM					
CABLE TV					
UND. GRD. COND.	1				
WATER DIST.	1				
WEPCO N/S					
WEPCO S/S					
SEWER SERVICES					
UTILITY COOR.	1				
Traffic Eng RM 506	1	6			
PLAN SIZE	12x110				



N. 60TH
N. 61ST
ST.
ST.
W. SPOKANE AVE.
16+00

EROSION CONTROL	AND C.B. REQUISITION			PLAN
TYPE M	☒-CBW	☐-RESET	╳-ABANDON	☒ NO WORK
THIS SHEET 12	0	9	0	

W. SPOKANE AVE. - N. 60TH ST. TO N. 64TH ST.
N. 60TH ST. TO 300' WEST OF N. 61ST ST
(2 OF 2) # 29312 12" X 110" ST211140119