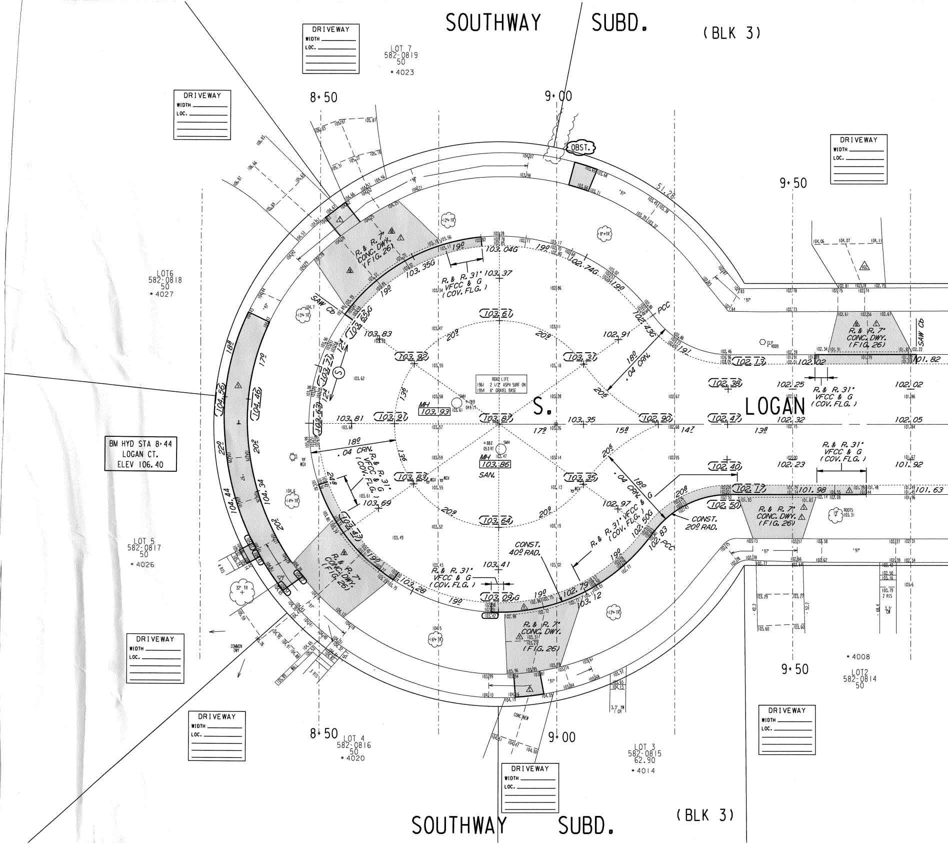
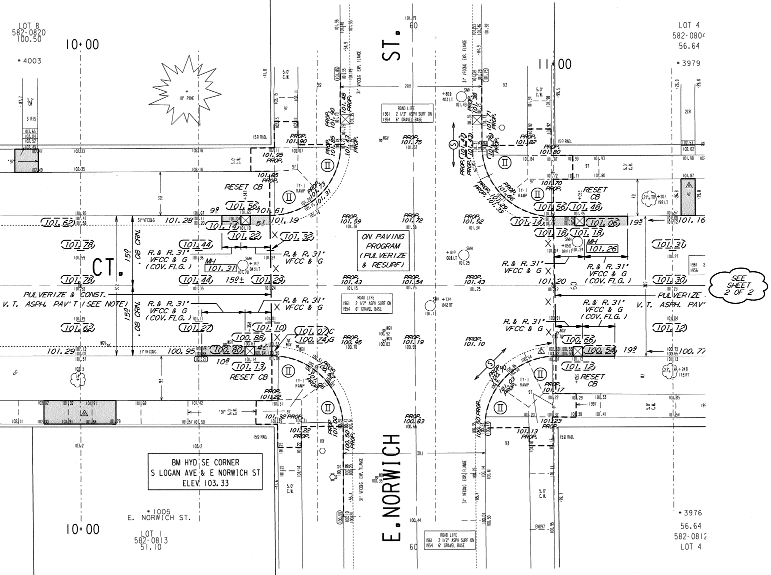
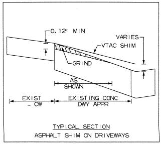

SOUTHWAY SUBD.
(BLK 3)
DRIVEWAY
WIDTH
LOC.
LOT 7
582-0819
50
*4023
LOT6
582-0818
50
*4027
LOT 5
582-0817
50
*4026
LOT 4
582-0816
50
*4020
LOT 3
582-0815
62.90
*4014
LOT2
582-0814
50
*4008
8+50
9+00
9+50
OBST.
51.28
BM HYD STA 8+44
LOGAN CT.
ELEV 106.40
ROAD LIFE
1961 2 1/2" ASPH SURF ON
1954 6" GRAVEL BASE
S. LOGAN
MH
103.93
MH
103.86
SAN.
SMH
R. & R. 7" CONC. DWY. (FIG. 26)
R. & R. 31" VFCC & G (COV. FLG.)
SAW Cb
PCC
CONST. 40° RAD.
CONST. 20° RAD.
18° .04 CRN.
103.61
103.92
103.31
103.91
103.87
102.90
103.83
103.35
103.64
103.09G
103.04G
102.74G
103.35G
102.13
102.38
102.47
102.40
102.17
102.50
101.82
101.63
102.02
102.05
101.92
101.98
102.32
102.23
102.25
103.81
103.35
103.37
103.41
102.91
102.97
103.83
103.69
104.56
104.46
104.44
104.34
COMMON DWY
ROOTS
'97'


LOT 8
582-0820
100.50
10+00
11+00
LOT 4
582-0804
56.64
*3979
*4003
10' PINE
ST.
E.NORWICH
CT.
ROAD LIFE
1961 2 1/2" ASPH SURF ON
1954 6" GRAVEL BASE
ON PAVING
PROGRAM
(PULVERIZE
& RESURF)
RESET CB
R. & R. 31" VFCC & G (COV. FLG.)
R. & R. 31" VFCC & G
PULVERIZE & CONST.
V. T. ASPH. PAV'T (SEE NOTE)
PULVERIZE
V. T. ASPH. PAV'
15' .08 CRN.
MH 101.31
MH 101.26
TY-1 RAMP
SEE SHEET 2 OF 2
BM HYD SE CORNER
S LOGAN AVE & E NORWICH ST
ELEV 103.33
*1005
E. NORWICH ST.
10+00
LOT 1
582-0813
51.10
*3976
56.64
582-0812
LOT 4
15' RAD.
5.0' C.W.
31" VFCC&G EXP. FLANGE

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.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED "SAN" (SANITARY)
- PROJECT IS DESIGNED TO BE CONSTRUCTED IN 2 EQUAL PASSES. USE 0.08 CROWN IN EACH PASS
- PULVERIZE EXISTING ASPHALT PAVEMENT, GRADE & RESHAPE TO 3" SUBGRADE
  NEW ASPHALT PAVEMENT SHALL CONSIST OF:
  1-1/2" ASPHALT TOP ON
  1-1/2" ASPHALTIC BINDER


0.12' MIN
VARIES
VTAC SHIM
GRIND
AS SHOWN
EXIST - CW
EXISTING CONC DWY APPR

TYPICAL SECTION
ASPHALT SHIM ON DRIVEWAYS

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' VF CONC.CURB & GUTTER (TY-II)	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.						
☒	GRANULAR BASE PREP.	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						
☒	PULVERIZE ASPHALT PAVEMENT	S.Y.						

CONDITION OF CONCRETE

B	BROKEN
BP	BACK PITCHED
C	CRACKED
H	HEAVED
JF	JOINT FAILURE
P	PATCHED
S	SETTLED
SP	SPALLED

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

FILE NO. 234

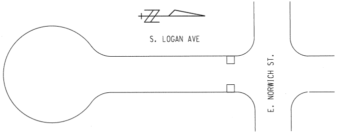
PLAN OF: S. LOGAN AVE. (4000S , 1000E)

200' ± SOUTH OF E. NORWICH ST. TO E. HOWARD AVE.

THIS SECTION: 200' ± SOUTH OF E. NORWICH ST. TO E. NORWICH ST.

DRAWN BY	M VOJVODICH	DATE: 12-07-99	PROJECT NO. ST21110124		SHEET 1 OF 2
DESCRIPTIONS BY	M VOJVODICH	DATE: 12-07-99			
LEVELS BY	W. ALVEY	DATE: 01-02-00	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY	W. ALVEY	DATE: 01-03-00	1"=10'	582	13
DESIGNED BY	CHMIELEWSKI	DATE: 04-07-00	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	S.AMER & M.V	DATE: 04-11-00	REVISED: 10/04/09 FIELD & DESIGN		
CHECKED BY	D. Ulabowski	DATE: 1/3/13	UPDATE LIMITS EXT'D SOUTH - S. CULL		
APPROVED BY		DATE: 1/4/13	REVISED: 08/01/12 UPDATE - CULL		
FILE: V:\PWELIB\PAVING\28100.FIN			REVISED: 12/12/12 ADD'L CWR - CULL		
PLOT DATE: 20-DEC-2012					

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



S. LOGAN AVE
E. NORWICH ST.

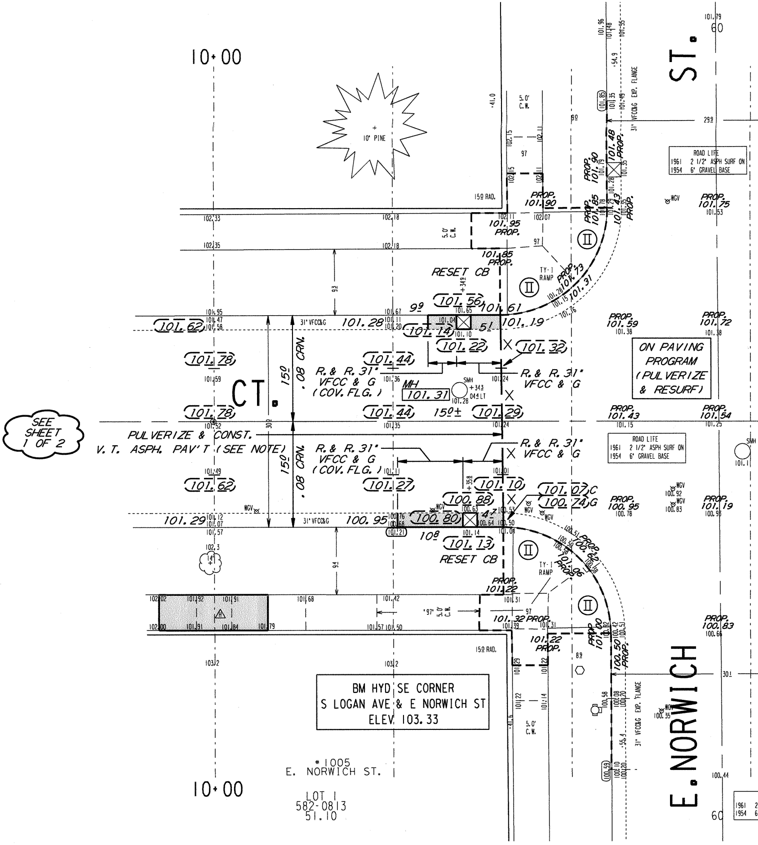
TO \ DATE		1-7-13	7/17/13		
ESTIMATING	1	1			
HOLLOW WALKS	1	1			
PUBLIC HEARING	1	1			
CONSTRUCTION	1	1	6		
SEWER	1	1			
WATER	1	1			
STREET LIGHTING	2	1			
BLDG. SERVICES					
MEASURING			1		
FIELD			1		
DISTRICT FILE	2	2			
FORESTRY	1	1			
ELECTRIC CO.	1	1			
GAS CO.		1			
TRANSIT SYSTEM					
CABLE TV					
UND. GRD. COND.	1	1			
WATER DIST.	1	1			
SEWER SERVICES	3				
UTIL COORD	1	1			
UNDER COND	1				
Bldg. Sewers		1			
Traffic ENG.		1			
RM506			15		
PLAN SIZE	18' X 73'				

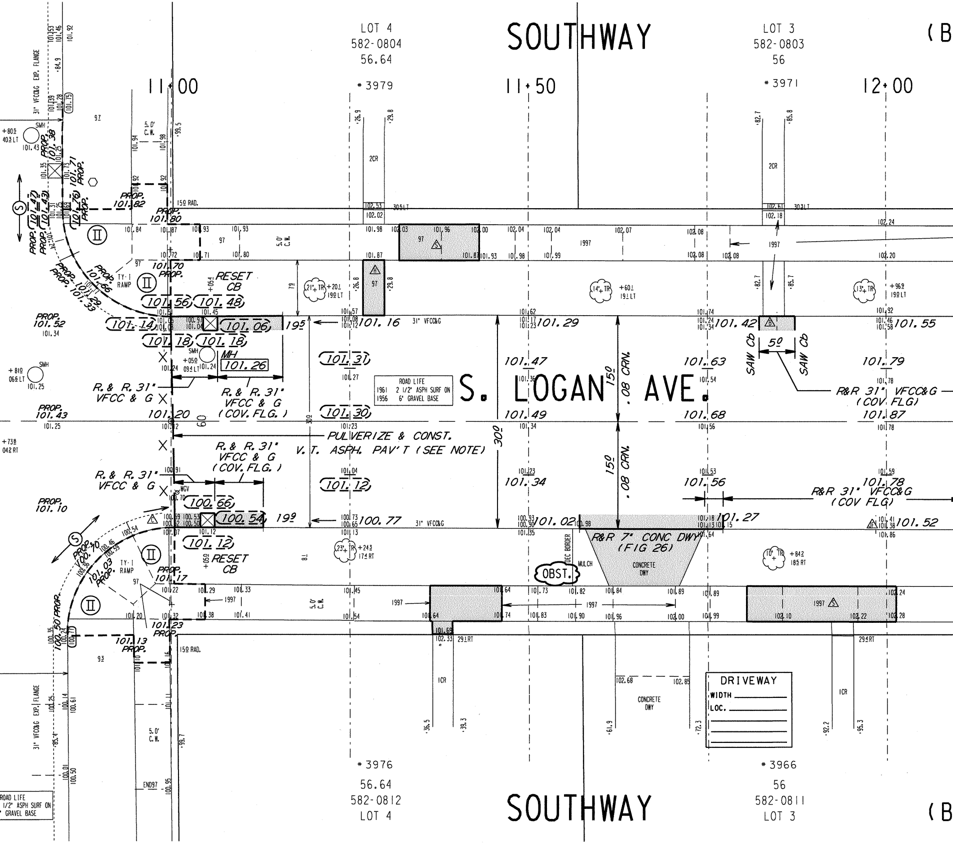
EROSION CONTROL AND C.B. REQUISITION PLAN

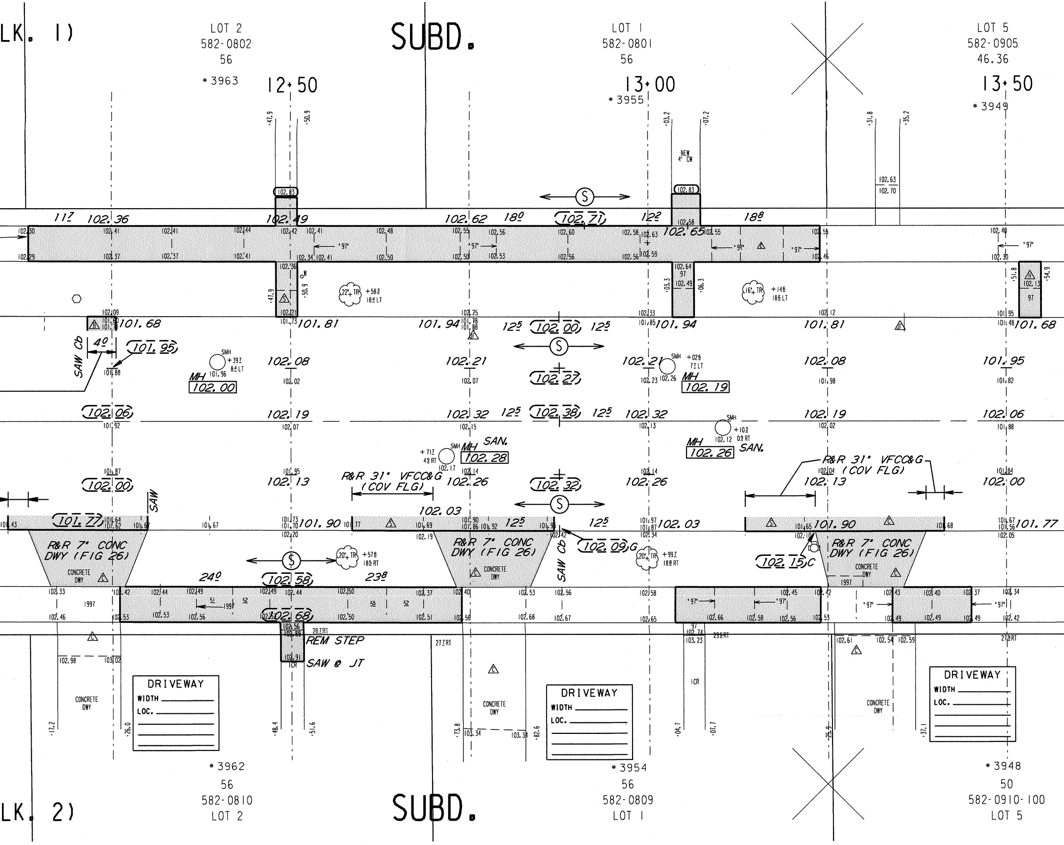
	TYPE M	☒ - CBW	☐ - RESET	X - ABANDON	☐
THIS SHEET	5	0	2	0	
PROJECT TOTAL	19	0	8	0	NO WORK

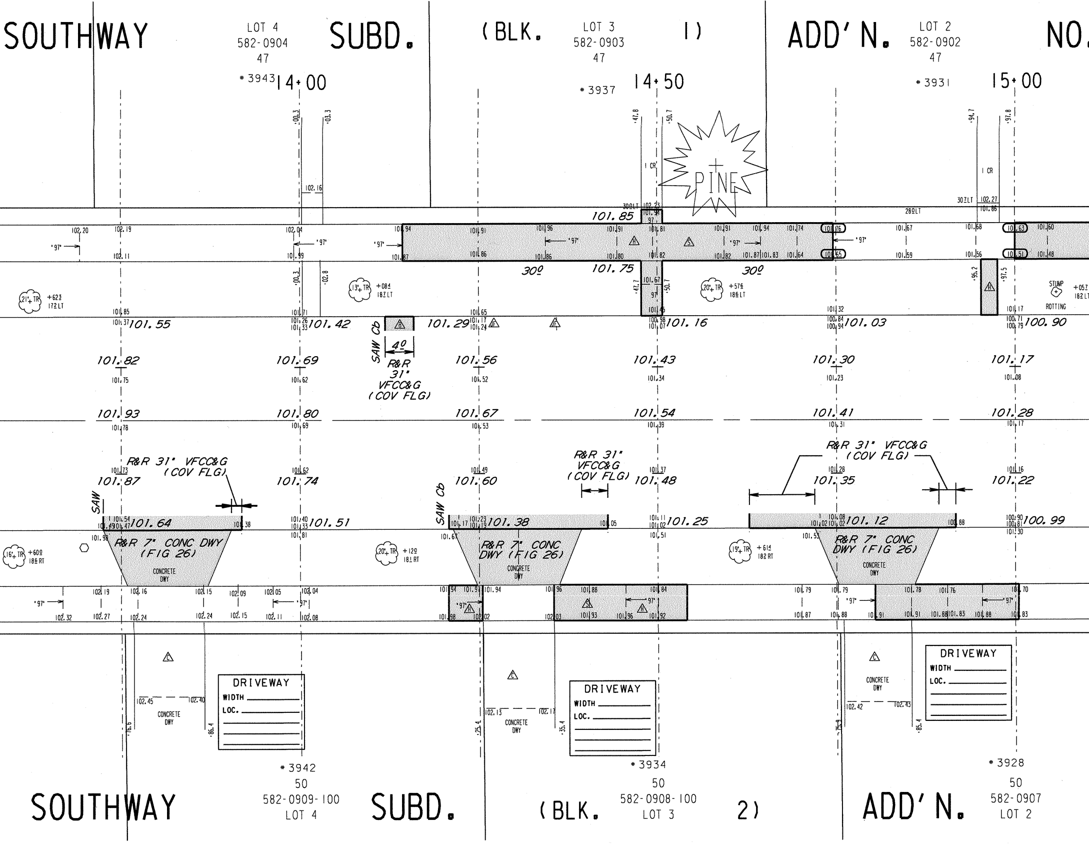
S. LOGAN AVE. - 200' ± SOUTH OF E. NORWICH ST. TO E. HOWARD AVE. (1 OF 2)

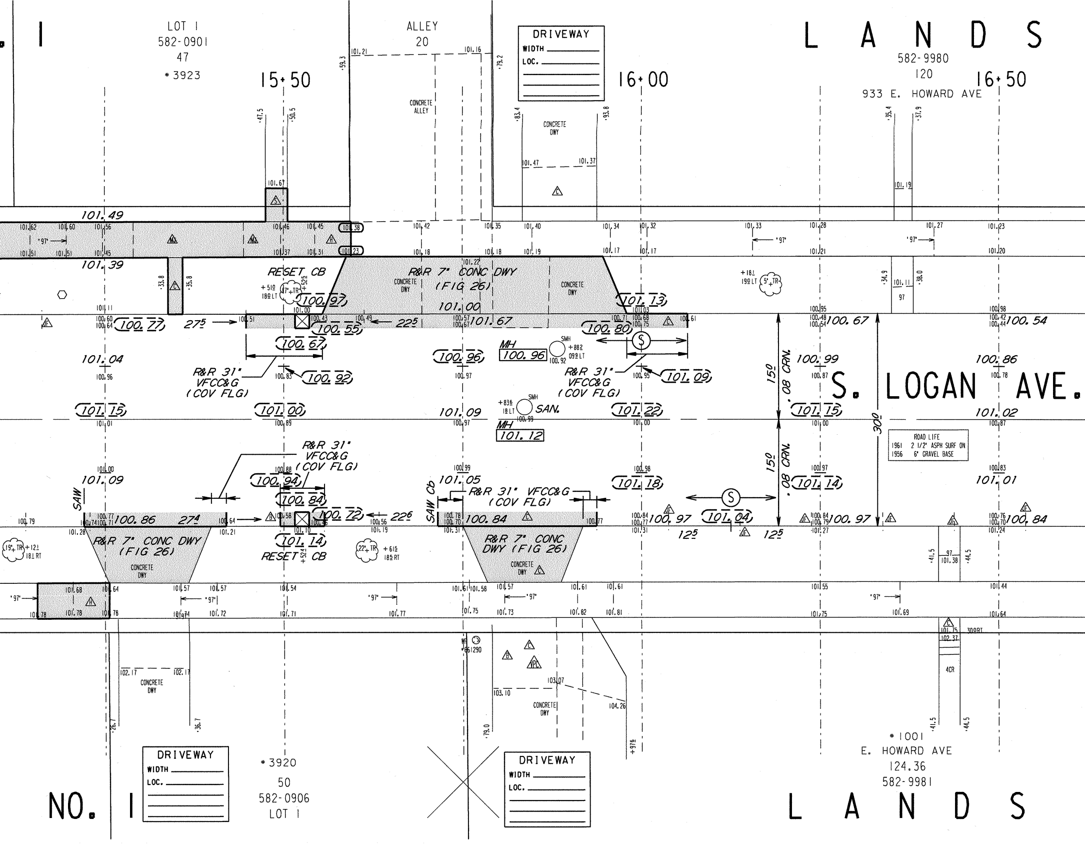
ST21110124 18" X 73" 28100 #234

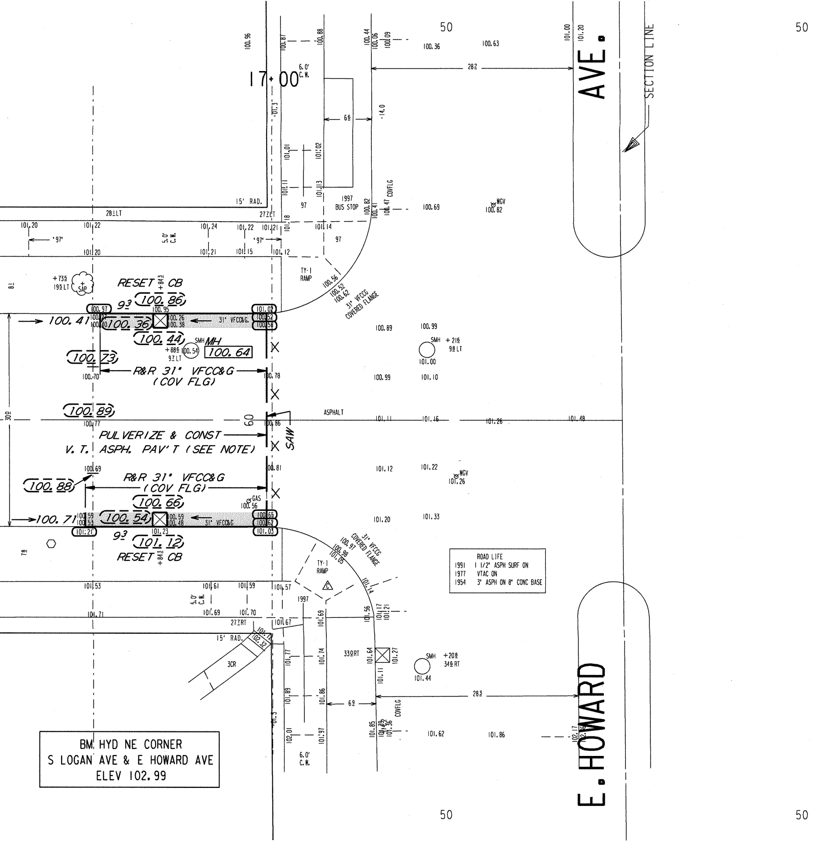

10+00
10' PINE
5.0' C.W.
15º RAD.
ROAD LIFE
1961 2 1/2" ASPH SURF ON
1954 6" GRAVEL BASE
ST.
31' VFCC&G EXP. FLANGE
PROP. 101.90
PROP. 101.48
PROP. 101.85
PROP. 101.43
PROP. 101.95
PROP. 101.85
PROP. 101.75
RESET CB
TY-1 RAMP
PROP. 101.73
101.31
101.56
101.61
101.19
101.62
101.28
101.14
101.22
101.32
101.78
101.44
R. & R. 31" VFCC & G (COV. FLG.)
R. & R. 31" VFCC & G
MH 101.31
SMH +343 044 LT
15º±
101.29
CT.
15º .08 CRN.
PROP. 101.59
PROP. 101.72
ON PAVING PROGRAM (PULVERIZE & RESURF)
PROP. 101.43
PROP. 101.54
SEE SHEET 1 OF 2
PULVERIZE & CONST. V.T. ASPH. PAV'T (SEE NOTE)
101.62
101.27
101.10
100.88
101.07 C
100.74 G
PROP. 100.95
PROP. 101.19
101.29
100.95
100.80
101.13
RESET CB
PROP. 100.62
PROP. 101.06
PROP. 101.22
PROP. 101.32
PROP. 101.22
PROP. 101.00
PROP. 100.50
PROP. 100.83
15º RAD.
BM HYD SE CORNER
S LOGAN AVE & E NORWICH ST
ELEV 103.33
#1005 E. NORWICH ST.
LOT 1
582-0813
51.10
E. NORWICH


LOT 4
582-0804
56.64
SOUTHWAY
LOT 3
582-0803
56
(B
11+00
11+50
12+00
*3979
*3971
31" VFCC&G EXP. FLANGE
SMH
+805
403 LT
101.43
5.0' C.W.
15.0 RAD.
PROP. 101.82
PROP. 101.80
PROP. 101.38
PROP. 101.71
PROP. 101.47
PROP. 101.43
PROP. 101.76
PROP. 101.70
PROP. 101.66
PROP. 101.29
PROP. 101.33
TY-1 RAMP
RESET CB
101.56
101.48
101.14
101.06
101.18
101.18
195
PROP. 101.52
101.34
SMH
+819
068 LT
101.25
MH
101.26
+050
094 LT
R. & R. 31" VFCC & G
R. & R. 31" VFCC & G (COV. FLG.)
PROP. 101.43
101.20
60
101.31
101.30
ROAD LIFE
1961 2 1/2" ASPH SURF ON
1956 6" GRAVEL BASE
S. LOGAN AVE.
PULVERIZE & CONST.
V.T. ASPH. PAV'T (SEE NOTE)
30.0
15.0
.08 CRN.
15.0
.08 CRN.
101.16
101.29
101.42
101.55
101.47
101.63
101.79
101.49
101.68
101.87
101.34
101.56
101.78
101.12
31" VFCC&G
2CR
305 LT
303 LT
1997
97
21" TR +201 190 LT
14" TR +601 191 LT
13" TR +969 199 LT
SAW Cb
5.0
SAW Cb
R&R 31" VFCC&G (COV FLG)
R&R 31" VFCC&G (COV FLG)
R. & R. 31" VFCC & G (COV. FLG.)
R. & R. 31" VFCC & G
WGV
PROP. 101.10
100.66
100.54
199
100.77
101.02
101.27
101.52
R&R 7" CONC DWY (FIG 26)
CONCRETE DWY
MULCH
DEC BORDER
OBST.
101.12
RESET CB
+050
23" TR +243 174 RT
10" TR +842 185 RT
PROP. 100.70
PROP. 101.03
TY-1 RAMP
PROP. 101.17
PROP. 101.23
PROP. 100.50
PROP. 101.13
15.0 RAD.
1997
291 RT
294 RT
ICR
CONCRETE DWY
DRIVEWAY
WIDTH
LOC.
5.0' C.W.
END97
31" VFCC&G EXP. FLANGE
ROAD LIFE
1/2" ASPH SURF ON
" GRAVEL BASE
*3976
56.64
582-0812
LOT 4
*3966
56
582-0811
LOT 3
SOUTHWAY
(B


LK. 1)
LOT 2
582-0802
56
* 3963
12+50
SUBD.
LOT 1
582-0801
56
13+00
* 3955
LOT 5
582-0905
46.36
13+50
* 3949
NEW 4' CW
102.83
102.63
102.70
117
102.36
102.49
102.62
180
102.71
122
102.65
188
'97'
22' TR +583 184 LT
16' TR +146 186 LT
101.68
101.81
101.94
125
102.00
101.94
101.81
101.68
SAW Cb
40
101.95
SMH +397 84 LT
MH
102.00
102.08
102.21
102.27
102.21
SMH +026 77 LT
MH
102.19
102.08
101.95
102.06
102.19
102.32
102.38
102.32
102.19
102.06
SMH +103 09 RT
MH SAN.
102.26
+717 49 RT
SMH MH SAN.
102.28
R&R 31" VFCC&G (COV FLG)
102.00
102.13
102.26
102.32
102.26
102.13
102.00
102.03
101.77
101.90
102.03
101.90
101.77
SAW
R&R 7" CONC DWY (FIG 26)
CONCRETE DWY
102.09 G
102.15 C
SAW Cb
20' TR +578 185 RT
20' TR +997 188 RT
240
102.58
238
102.68
1997
REM STEP
SAW @ JT
28 7 RT
27 7 RT
29 5 RT
27 9 RT
ICR
DRIVEWAY
WIDTH
LOC.
* 3962
56
582-0810
LOT 2
LK. 2)
SUBD.
* 3954
56
582-0809
LOT 1
* 3948
50
582-0910-100
LOT 5

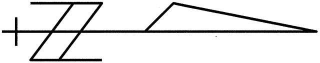

SOUTHWAY SUBD. (BLK. 1) ADD'N. NO.
LOT 4
582-0904
47
LOT 3
582-0903
47
LOT 2
582-0902
47
* 3943
14+00
* 3937
14+50
* 3931
15+00
PINE
1 CR
101.85
101.75
30º
30º
'97'
21'± TR +623 172 LT
13'± TR +084 182 LT
20'± TR +576 186 LT
STUMP +057 182 LT
ROTTING
101.55
101.42
101.29
101.16
101.03
100.90
SAW Cb
4º
R&R 31" VFCC&G (COV FLG)
101.82
101.69
101.56
101.43
101.30
101.17
101.93
101.80
101.67
101.54
101.41
101.28
R&R 31" VFCC&G (COV FLG)
R&R 31" VFCC&G (COV FLG)
R&R 31" VFCC&G (COV FLG)
101.87
101.74
101.60
101.48
101.35
101.22
SAW
SAW Cb
101.64
101.51
101.38
101.25
101.12
100.99
R&R 7" CONC DWY (FIG 26)
R&R 7" CONC DWY (FIG 26)
R&R 7" CONC DWY (FIG 26)
16'± TR +609 186 RT
20'± TR +129 181 RT
19'± TR +614 182 RT
CONCRETE DWY
DRIVEWAY
WIDTH
LOC.
* 3942
50
582-0909-100
LOT 4
* 3934
50
582-0908-100
LOT 3
* 3928
50
582-0907
LOT 2
SOUTHWAY SUBD. (BLK. 2) ADD'N.


LOT 1
582-0901
47
* 3923
ALLEY
20
CONCRETE ALLEY
DRIVEWAY
WIDTH
LOC.
CONCRETE DWY
LANDS
582-9980
120
933 E. HOWARD AVE
15+50
16+00
16+50
101.49
101.39
RESET CB
R&R 7" CONC DWY (FIG 26)
101.00
101.67
100.97
100.77
27⁵
22⁵
100.55
100.67
100.80
101.13
100.67
100.54
101.04
R&R 31" VFCC&G (COV FLG)
100.92
100.96
MH 100.96
SMH
101.09
100.99
100.86
S. LOGAN AVE.
15⁰
.08 CRN.
30⁰
101.15
101.00
101.09
SAN.
MH 101.12
101.22
101.15
101.02
ROAD LIFE
1961 2 1/2" ASPH SURF ON
1956 6" GRAVEL BASE
100.94
100.84
100.72
22⁶
101.05
101.18
101.14
101.01
SAW
SAW Cb
100.86
27⁴
100.84
100.97
101.04
12⁵
100.97
100.84
R&R 7" CONC DWY (FIG 26)
101.14
RESET CB
CONCRETE DWY
'97'
CONCRETE DWY
DRIVEWAY
WIDTH
LOC.
* 3920
50
582-0906
LOT 1
NO. 1
* 1001
E. HOWARD AVE
124.36
582-9981
LANDS
4CR
300RT


17+00
6.0' C.W.
AVE.
SECTION LINE
28⅖
6⅑
14.0
15' RAD.
28⅒LT
27⅐LT
'97'
5.0' C.W.
1997 BUS STOP
97
COVFLG
TY-1 RAMP
31" VFCCG COVERED FLANGE
RESET CB
9³
100.86
100.36
100.44
100.41
31" VFCC&G
SMH MH
100.64
100.73
R&R 31" VFCC&G (COV FLG)
100.89
ASPHALT
60
SAW
PULVERIZE & CONST
V. T. ASPH. PAV'T (SEE NOTE)
R&R 31" VFCC&G (COV FLG)
100.88
100.66
100.54
100.71
101.12
RESET CB
GAS
WGV
SMH
TY-1 RAMP
1997
15' RAD.
27⅞RT
3CR
33⅑RT
28⅗
6⅑
COVFLG
E. HOWARD
50
50
50
50

BM HYD NE CORNER
S LOGAN AVE & E HOWARD AVE
ELEV 102.99

ROAD LIFE
1991 1 1/2" ASPH SURF ON
1977 VTAC ON
1954 3" ASPH ON 8" CONC BASE



ESTIMATE /

	DESCRIPTION
	MOBILIZATION
	FINISHING ROADWAY
	BARRICADING AND SIGNING
	CUTTING
	ROADWAY CUTTING
	FILLING
	ROADWAY FILLING
	PAVEMENT REMOVAL
	BITUMINOUS SURFACE REMOVAL
	CURB &/OR CURB & GUTTER REMOVAL
	CONC. WALK &/OR DRIVEWAY REMOVAL
	SAWING (FULL DEPTH)
	SAWING
	TREES CLEARING
	TREES GRUBBING
	31" VF CONCRETE CURB & GUTTER
	V.T. CONC. WALK &/OR DRIVEWAY
	5" CONCRETE WALK
	7" CONCRETE DRIVEWAY
	CONCRETE PAVEMENT
	7" CONCRETE ALLEY PAVEMENT
	V.T. CONCRETE BASE
	CONCRETE BASE
	TACK COAT
	BASE PREP. FOR ASPHALT SURFACE
	V.T. ASPH. CONC. PAV'T. (MAX.)
	GRANULAR BASE PREP.
	CRUSHED STONE BASE
	CRUSHED GRAVEL BASE
	GRAVEL FILLING
	SODDING
	TOPSOIL
	PAVEMENT GRINDING (ASPHALT)
	PAVEMENT GRINDING (CONCRETE)
	SEALING PAV'T JOINTS & CRACKS
	MANHOLE RINGS
	SEWER FRAME ADJUSTMENT
	MANHOLE SEAL (CITY FURNISHED)
	EROSION CONTROL (TYPE M)

CONDITION OF CONCRETE	
B	BROKEN
BP	BACK PITCHED
C	CRACKED
H	HEAVED
JF	JOINT FAILURE
P	PATCHED
S	SETTLED
SP	SPALLED

CERTIFICATE QUANTITIES

UNIT	ASSESS.	X-ING			PLAN TOT.	PROJ. TOT.
L.S.						
L.S.						
L.S.						
C.Y.						
C.Y.						
C.Y.						
C.Y.						
S.Y.						
S.Y.						
L.F.						
S.F.						
L.F.						
L.F.						
I.D.						
I.D.						
L.F.						
C.Y.						
S.F.						
S.F.						
S.Y.						
S.Y.						
C.Y.						
S.Y.						
GAL.						
L.S.						
S.Y.						
S.Y.						
TON						
S.Y.						
C.Y.						
S.Y.						
S.Y.						
S.Y.						
EACH						
V.F.						
EACH						
EACH						

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

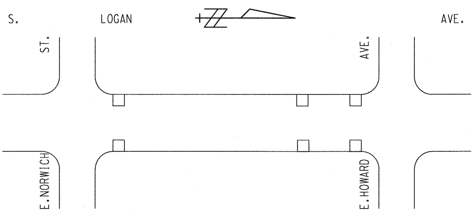
FILE NO. 235

PLAN OF: S. LOGAN AVE. (3900S, 1000E)

200' ± SOUTH OF E. NORWICH ST. TO E. HOWARD AVE.

THIS SECTION: E. NORWICH ST. TO E. HOWARD AVE.

DRAWN BY	M VOJVODICH	DATE: 12-07-99	PROJECT NO.		
DESCRIPTIONS BY	M VOJVODICH	DATE: 12-07-99	ST21110124	SHEET 2 OF 2	
LEVELS BY	W. ALVEY	DATE: 01-02-00	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY	W. ALVEY	DATE: 01-03-00	1" = 10'	582	13
DESIGNED BY	CHMIELEWSKI	DATE: 04-07-00	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	S.AMER & M.V	DATE: 04-11-00	REVISED: 10/04/09 FIELD & DESIGN		
CHECKED BY	D. Ulabach	DATE: 1/3/13	UPDATE LIMITS EXT'D SOUTH - S. CULL		
APPROVED BY		DATE: 1/4/13	REVISED: 8/1/12 UPDATE-CULL		
FILE: V:\PWELIB\PAVING\28100.FIN			REVISED: 12/12/12 ADD'L CWR - CULL		
PLOT DATE: 20-DEC-2012					


S.
LOGAN
AVE.
ST.
AVE.
E.NORWICH
E.HOWARD

TO \ DATE	04/29/00	1-7-13	7/17/13		
ESTIMATING	1	1			
HOLLOW WALKS	1	1			
PUBLIC HEARING	1	1			
CONSTRUCTION	1	1	6		
SEWER	1	1			
WATER	1	1			
STREET LIGHTING	2	1			
BLDG. SERVICES	1				
MEASURING			1		
FIELD			1		
DISTRICT FILE	2	2			
FORESTRY	1	1			
W.E. / G.O.	1				
WIS. GAS CO.	1	1			
TRANSIT SYSTEM					
RM 506			15		
UND. GRD. COND.	1	1			
WATER DIST.	1	1			
WEPCO N/S					
WEPCO S/S		1			
SEWER SERVICES	3				
UTILITY COOR.		1			
Bldg. Sewers		1			
Traffic ENG.		1			
PLAN SIZE	12' X 116'				

EROSION CONTROL AND C.B. REQUISITION PLAN

	TYPE M	☒ - CBW	☐ - RESET	× - ABANDON	☒ NO WORK
THIS SHEET	14	0	6	0	

S. LOGAN AVE. - 200' ± SOUTH OF E. NORWICH ST. TO E. HOWARD AVE. (2 OF 2)

ST21110124 12" X 116" 28100 #3c