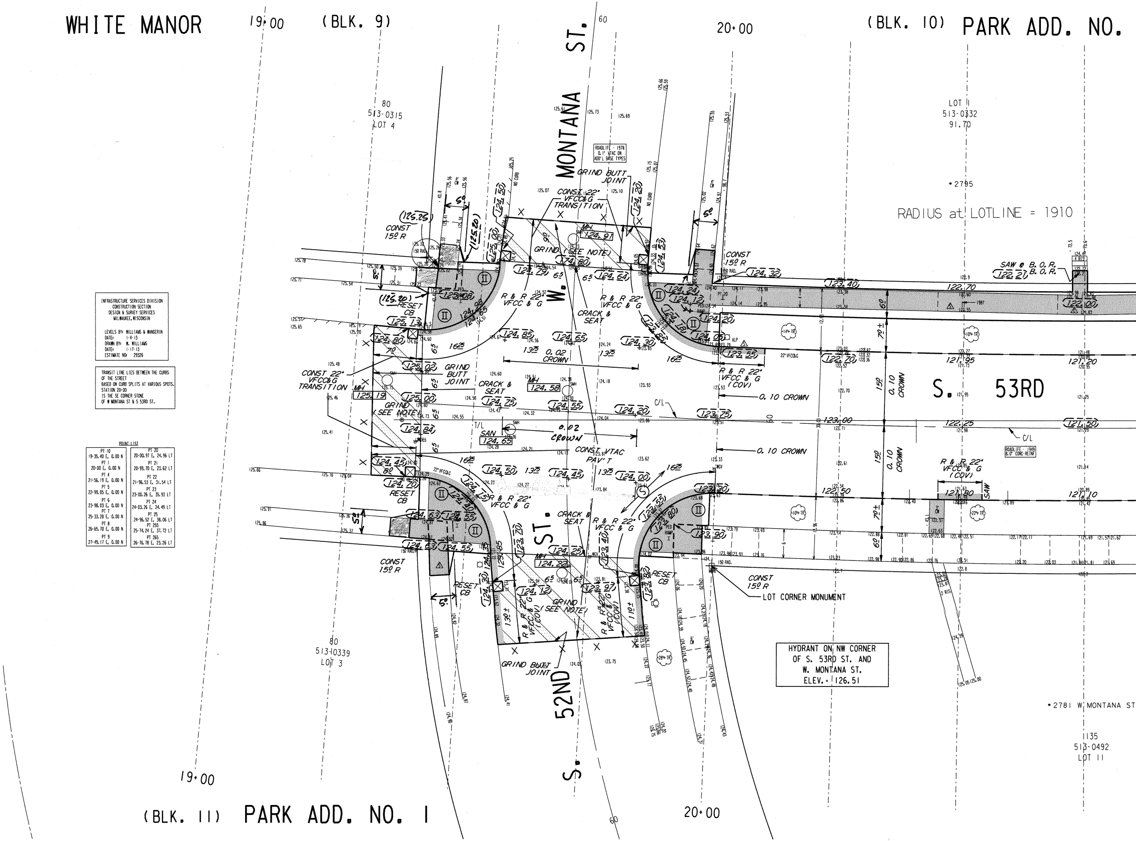

WHITE MANOR
19+00
(BLK. 9)
(BLK. 10)
PARK ADD. NO.
20+00
W. MONTANA ST.
S. 52ND ST.
S. 53RD
80
513-0315
LOT 4
LOT 11
513-0332
91.70
•2795
RADIUS at LOTLINE = 1910
ROADLIFE - 1976
0.1" VTAC ON
ADD'L BASE TYPES
GRIND BUTT JOINT
CONST 22" VFCC&G TRANSITION
MH 124.91
GRIND (SEE NOTE)
CONST 15º R
CONST 15º R
R & R 22" VFCC & G
CRACK & SEAT
RESET CB
0.02 CROWN
0.10 CROWN
MH 125.19
MH 124.58
SAN 124.65
T/L
C/L
CONST VTAC PAV'T
SAW @ B.O.R.
B.O.R.
R & R 22" VFCC & G (COV)
ROADLIFE - 1949
8.0" CONC-REINF
MH 124.22
GRIND SEE NOTE)
GRIND BUTT JOINT
LOT CORNER MONUMENT
80
513-0339
LOT 3
•2781 W MONTANA ST
1135
513-0492
LOT 11
19+00
(BLK. 11)
PARK ADD. NO. 1
20+00
60

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

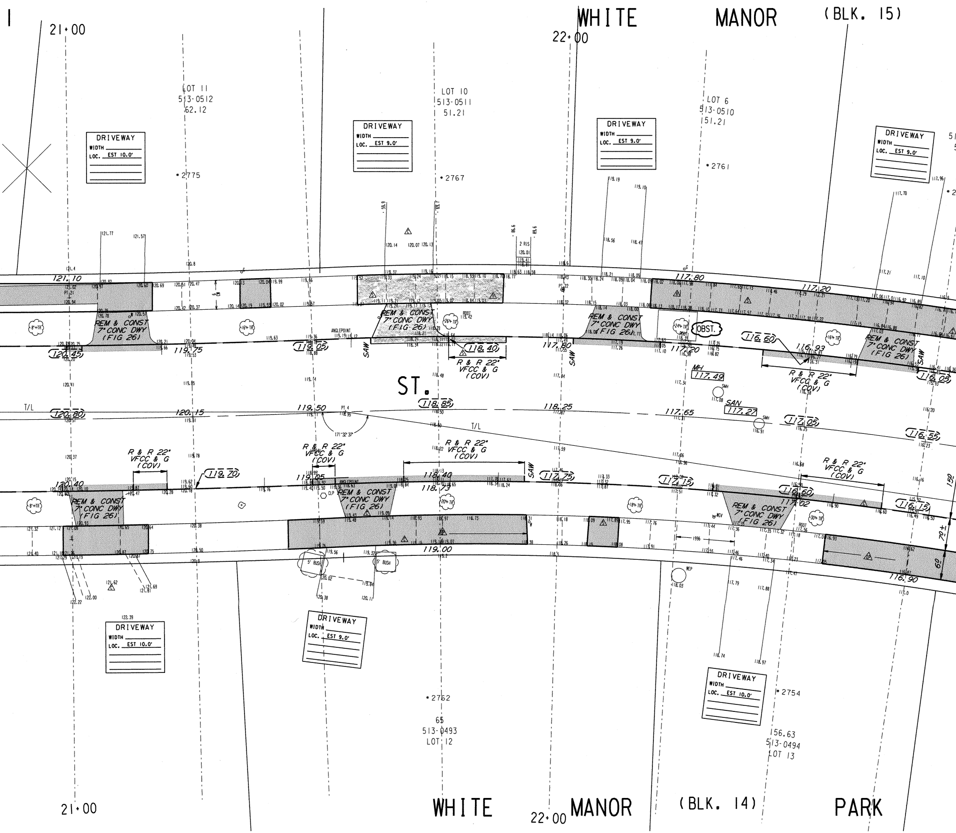
LEVELS BY: WILLIAMS & WANGERIN
DATE: 1-4-13
DRAWN BY: W. WILLIAMS
DATE: 1-17-13
ESTIMATE NO: 29326

TRANSIT LINE LIES BETWEEN THE CURBS
OF THE STREET
BASED ON CURB SPLITS AT VARIOUS SPOTS.
STATION 20+00
IS THE SE CORNER STONE
OF W MONTANA ST & S 53RD ST.

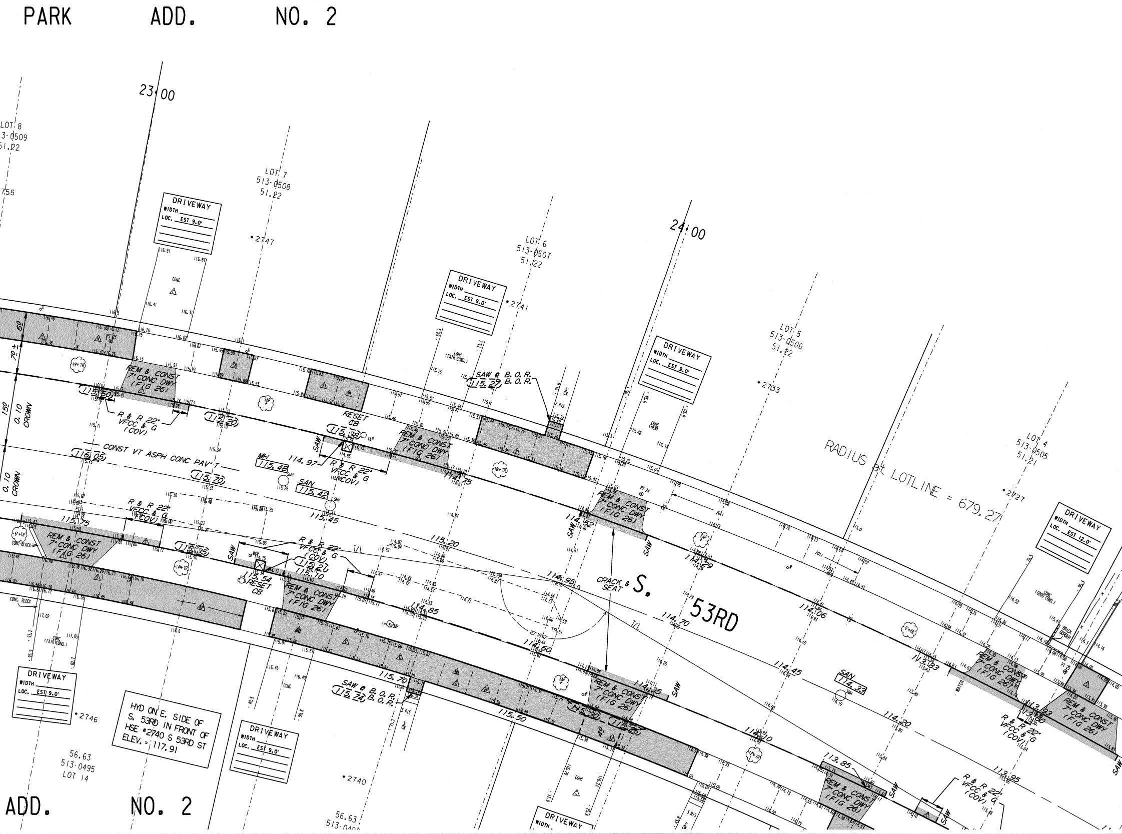
POINT LIST

PT 10 19+35.40 E, 0.00 N	PT 20 20+00.97 E, 24.96 LT
PT 1 20+00 E, 0.00 N	PT 21 20+99.70 E, 23.62 LT
PT 4 21+56.19 E, 0.00 N	PT 22 21+96.53 E, 31.54 LT
PT 5 22+99.05 E, 0.00 N	PT 23 23+00.26 E, 35.93 LT
PT 6 23+98.03 E, 0.00 N	PT 24 24+03.26 E, 24.49 LT
PT 7 25+33.28 E, 0.00 N	PT 25 24+96.52 E, 38.06 LT
PT 8 26+65.70 E, 0.00 N	PT 255 25+74.24 E, 37.72 LT
PT 9 27+49.17 E, 0.00 N	PT 265 26+76.78 E, 23.26 LT

HYDRANT ON NW CORNER
OF S. 53RD ST. AND
W. MONTANA ST.
ELEV. = 126.51



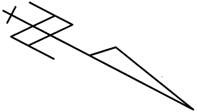
WHITE MANOR (BLK. 15)
21+00
22+00
LOT 11
513-0512
62.12
LOT 10
513-0511
51.21
LOT 6
513-0510
51.21
DRIVEWAY
WIDTH
LOC. EST 10.0'
DRIVEWAY
WIDTH
LOC. EST 9.0'
DRIVEWAY
WIDTH
LOC. EST 9.0'
DRIVEWAY
WIDTH
LOC. EST 9.0'
*2775
*2767
*2761
121.10
117.80
117.20
REM & CONST
7" CONC DWY
(FIG 26)
REM & CONST
7" CONC DWY
(FIG 26)
REM & CONST
7" CONC DWY
(FIG 26)
REM & CONST
7" CONC DWY
(FIG 26)
OBST.
120.45
119.75
119.05
118.40
117.80
117.20
116.60
116.93
116.05
SAW
SAW
SAW
R & R 22"
VFCC & G
(COV)
R & R 22"
VFCC & G
(COV)
ST.
118.85
MH
117.49
SAN
117.27
T/L
120.80
120.15
119.50
118.25
117.65
117.05
116.55
T/L
171°32'37"
R & R 22"
VFCC & G
(COV)
R & R 22"
VFCC & G
(COV)
R & R 22"
VFCC & G
(COV)
R & R 22"
VFCC & G
(COV)
119.70
120.40
119.05
118.40
118.73
117.75
117.15
116.60
117.02
116.15
REM & CONST
7" CONC DWY
(FIG 26)
REM & CONST
7" CONC DWY
(FIG 26)
REM & CONST
7" CONC DWY
(FIG 26)
119.00
116.90
15'
70'±
60'
5' BUSH
5' BUSH
1996
DRIVEWAY
WIDTH
LOC. EST 10.0'
DRIVEWAY
WIDTH
LOC. EST 9.0'
DRIVEWAY
WIDTH
LOC. EST 10.0'
*2762
65
513-0493
LOT 12
*2754
156.63
513-0494
LOT 13
21+00
WHITE 22+00 MANOR (BLK. 14) PARK

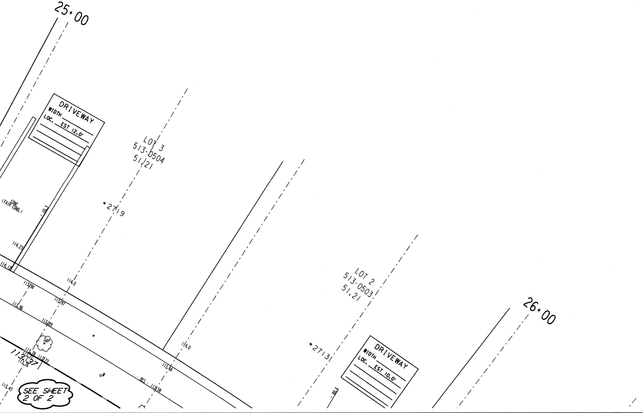


PARK ADD. NO. 2
23+00
24+00
LOT 8
513-0509
51.22
LOT 7
513-0508
51.22
LOT 6
513-0507
51.22
LOT 5
513-0506
51.22
LOT 4
513-0505
51.21
DRIVEWAY
WIDTH
LOC. EST 9.0'
LOC. EST 12.0'
*2747
*2741
*2733
*2727
*2746
*2740
REM & CONST 7" CONC DWY (FIG 26)
R & R 22" VFCC & G (COV)
RESET CB
CONST VT ASPH CONC PAV'T
0.10 CROWN
SAW & B.O.R.
MH 115.48
SAN 115.42
SAN 114.33
CRACK & SEAT
S. 53RD
RADIUS ℄ LOTLINE = 679.27
T/L
HYD ON E. SIDE OF S. 53RD IN FRONT OF HSE #2740 S 53RD ST ELEV. = 117.91
56.63
513-0495
LOT 14
ADD. NO. 2

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 CENT
- OFFSET MEASUREMENTS TO HYDRANTS ARE TAKEN TO THE OPERATING NUT.
- GRADE AND PLACE 1.5' WIDTH OF SOD IN LAWN AREA DISTURBED BY CONSTRUCTION UNLESS OTHERWISE IND
- PROJECT IS DESIGNED TO BE CONSTRUCTED WITH EQU PASSES WITH CROWNS AS INDICATED WITH EACH PASS REDUCING THROUGH THE INTERSECTION(S) AS SHOWN.
- IN AREAS OF GRINDING, GRIND TO ACHIEVE .12' MINI COVER AT FLANGES AND .17' AT BUTT JOINTS AND .21' MINIMUM ELSEWHERE.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MAN MARKED 'SAN' (SANITARY).
- ANY TREES TO BE REMOVED AS A PART OF THE PROJE BE NOTED IN SPECIAL PROVISIONS.
- PITCH FLANGE .08 UNLESS OTHERWISE SHOWN.
- REMOVE ALL ASPHALT PATCHES WITHIN THE LIMITS OF CONSTRUCTION.




25+00
DRIVEWAY
WIDTH
LOC. EST 12.0'
LOT 3
513-0504
51.21
*2719
CONC (FAIR COND.)
10.3
114.23
114.12
113.98
114.0
113.96
113.97
113.89
SAP
113.78
113.27
113.73
113.26
113.37
113.43
SEE SHEET 2 OF 2
114.0
113.66
BES - 113.58
LOT 2
513-0503
51.21
*2713
DRIVEWAY
WIDTH
LOC. EST 10.0'
10.5
26+00

CONDITION OF CONCRETE	
B	BROKEN
BL	BLUE LINED
BP	BACK PITCH
C	CRACKED
EP	EXCESSIVE
H	HEAVED
JF	JOINT FAIL
MJ	MUD JACKED
P	PATCHED
PC	POOR CONDI
S	SETTLED
SP	SPALLED
VGC	VERY GOOD
VPC	VERY POOR

ERLINE.

S
ICATED

AL
S,

MUM

HOLES

CT WILL

ED

PITCH

URE

TION

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.						
☒	22" 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						
☒	JOINT & CRACK REPAIR	L.F.					500	
☒	CRACK & SEAT	S.Y.						

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

FILE NO. 476

PLAN OF: S. 53RD. ST. (2800S, 5300W)

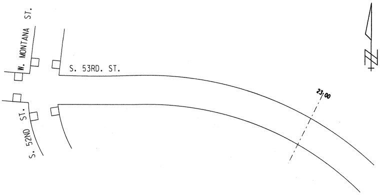
W. MONTANA ST. TO W. CLEVELAND AVE.

THIS SECTION: W. MONTANA ST. TO STATION 24+00

DRAWN BY	G. GUERRA	DATE: 12/13/13	PROJECT NO. ST211140101	SHEET 1 OF 2
DESCRIPTIONS BY		DATE:		
LEVELS BY	WILLIAMS	DATE: 5/10/13	SCALE	1/4 SEC. / ALD.DIST.
LEVELS TRANSF. BY	G. GUERRA	DATE: 12/13/13	1" = 10'	513 / 11
DESIGNED BY	MANHARDT	DATE: 6/12/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST	
GRADES TRANSF. BY	SNYDER	DATE: 11/17/14	REVISED:	
CHECKED BY	D. Ulrbouh	DATE: 12/11/14	REVISED:	
APPROVED BY		DATE: 12/11/14	REVISED:	
FILE: V:\PWELIB\PAVING\29326.FIN				
PLOT DATE: 04-DEC-2014				

THIS SHEET

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



W. MONTANA ST.
S. 53RD. ST.
S. 52ND ST.
23+00

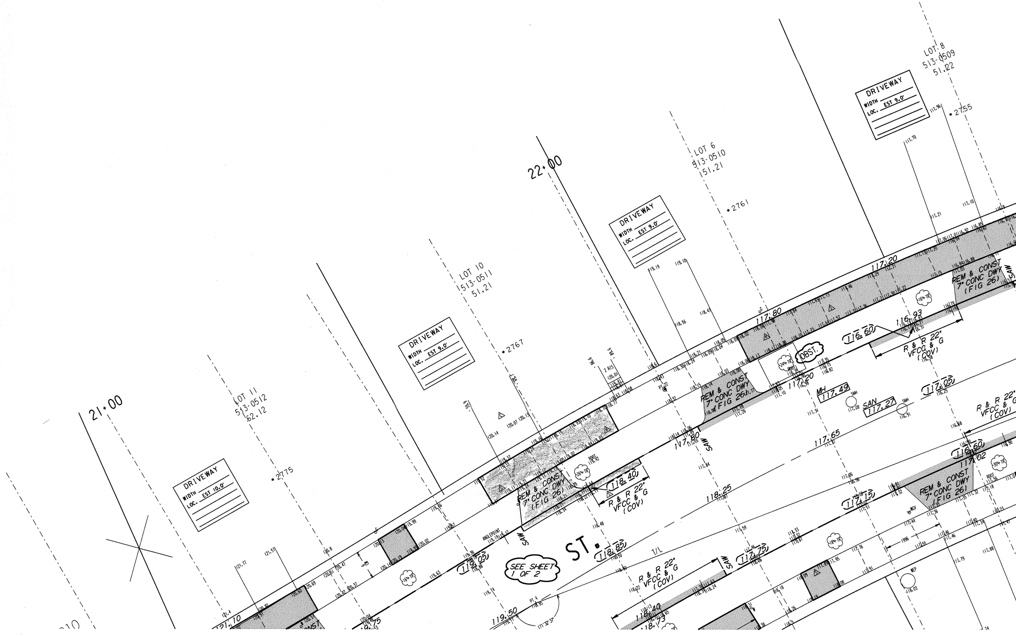
EROSION CONTROL AND C.B. REQUISITION PLAN	TYPE M	☒ - CBW	☐ - RESET	╳ - ABANDON	☐ NO WORK
THIS SHEET	6	0	6	0	
PROJECT TOTAL	14	0	10	0	

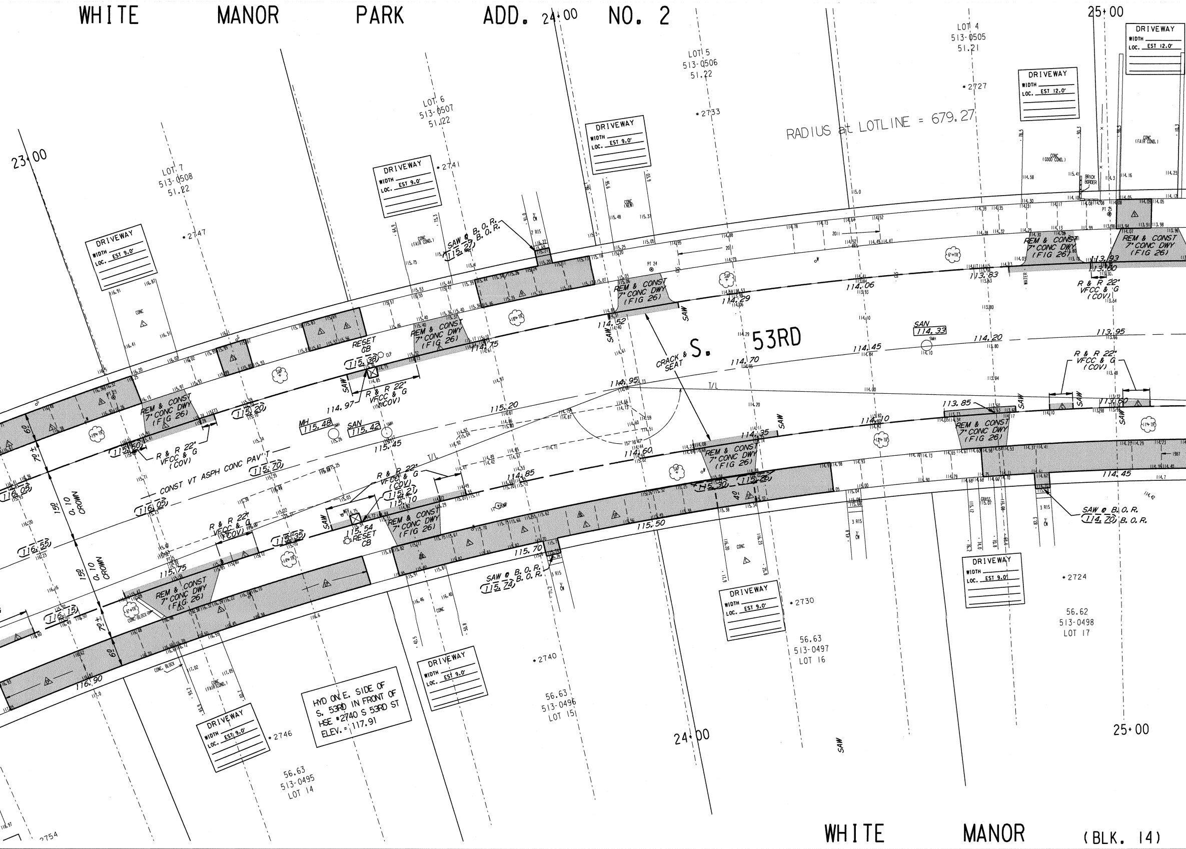
DATE / TO	12/12/14	3/10/15			
ESTIMATING	1				
HOLLOW WALKS	1				
PUBLIC HEARING	1				
CONSTRUCTION	1	6			
SEWER	1				
WATER	1				
STREET LIGHTING	1				
BLDG. SEWERS					
MEASURING		1			
FIELD					
DISTRICT FILE	2				
FORESTRY	1				
W.E. / G.O.					
WIS. GAS CO.					
TRANSIT SYSTEM					
CABLE TV					
UND. GRD. COND.	1				
WATER DIST.	1				
WEPCO N/S					
WEPCO S/S					
SEWER SERVICES					
UTILITY COOR.	1				
TrafficEng	1				
RM 506		6			
PLAN SIZE	18" X 112"				

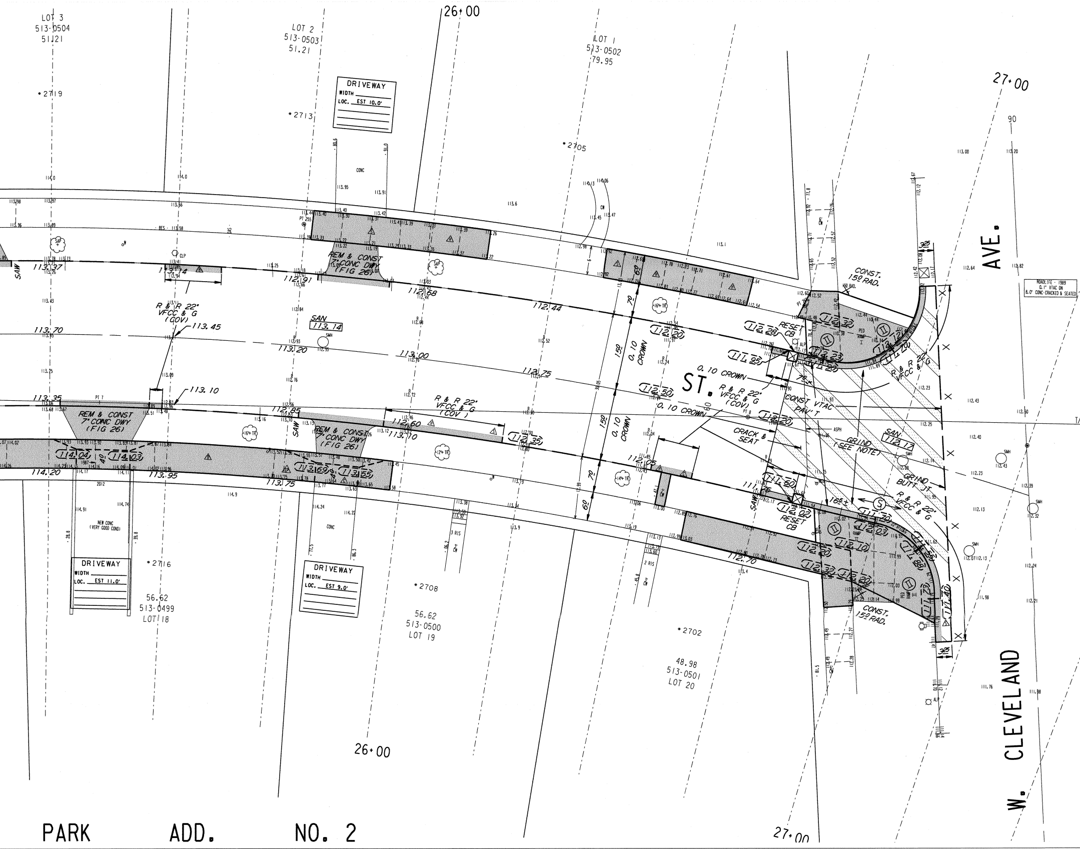
W. MONTANA ST. TO STATION 24+00

S. 53RD ST.-W. MONTANA ST. TO W. CLEVELAND AVE. 18" X 112"

ST211140101 29326 # (1 OF 2)


21+00
22+00
LOT 11
513-0512
62.12
LOT 10
513-0511
51.21
LOT 6
513-0510
51.21
LOT 8
513-0509
51.22
DRIVEWAY
WIDTH
LOC. EST 10.0'
DRIVEWAY
WIDTH
LOC. EST 9.0'
DRIVEWAY
WIDTH
LOC. EST 9.0'
DRIVEWAY
WIDTH
LOC. EST 9.0'
*2775
*2767
*2761
*2755
REM & CONST
7" CONC DWY
(FIG 26)
R & R 22"
VFCC & G
(COV)
SAW
OBST.
MH
117.49
SAN
117.27
ST.
SEE SHEET
1 OF 2
T/L
ANGLEPOINT
117.20
117.80
117.65
118.25
116.93
116.60
117.05
117.15
117.75
118.85
118.40
119.05
119.50
121.10
118.40
116.60
117.02
117.80

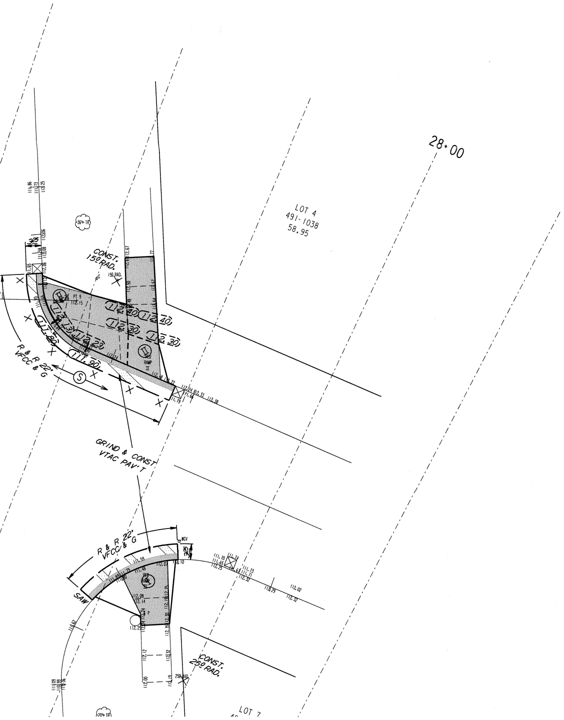

WHITE MANOR PARK ADD. NO. 2
23+00
24+00
25+00
LOT 7
513-0508
51.22
LOT 6
513-0507
51.22
LOT 5
513-0506
51.22
LOT 4
513-0505
51.21
DRIVEWAY
WIDTH
LOC. EST 9.0'
LOC. EST 12.0'
RADIUS at LOTLINE = 679.27
* 2747
* 2741
* 2733
* 2727
* 2746
* 2740
* 2730
* 2724
* 2754
S. 53RD
REM & CONST 7" CONC DWY (FIG 26)
R & R 22" VFCC & G (COV)
SAW @ B.O.R. 115.27 B.O.R.
SAW @ B.O.R. 115.74 B.O.R.
SAW @ B.O.R. 114.70 B.O.R.
RESET CB
CRACK & SEAT
CONST VT ASPH CONC PAV'T
0.10 CROWN
150
70
60
40
MH 115.48
SAN 115.42
SAN 114.33
SAW
T/L
115.38
114.97
115.20
115.50
115.70
115.45
115.20
116.05
116.05
116.55
116.15
116.90
115.75
115.35
115.54
115.21
115.10
115.30
115.26
114.95
114.85
114.75
114.70
114.60
114.52
114.45
114.35
114.29
114.20
114.10
114.06
113.95
113.93
113.90
113.85
113.83
113.60
114.45
HYD ON E. SIDE OF S. 53RD IN FRONT OF HSE #2740 S 53RD ST ELEV. = 117.91
56.63
513-0495
LOT 14
56.63
513-0496
LOT 15
56.63
513-0497
LOT 16
56.62
513-0498
LOT 17
WHITE MANOR (BLK. 14)



26+00
27+00
LOT 3
513-0504
51.21
LOT 2
513-0503
51.21
LOT 1
513-0502
79.95
*2719
*2713
*2705
DRIVEWAY
WIDTH
LOC. EST 10.0'
REM & CONST
7" CONC DWY
(FIG 26)
R & R 22'
VFCC & G
(COV)
113.45
113.10
SAN
113.14
SMH
113.70
113.20
113.00
112.75
112.44
112.91
112.68
113.37
113.14
113.35
112.85
112.60
113.10
112.35
112.05
0.10
CROWN
0.10 CROWN
ST.
RESET
CB
112.28
112.20
111.95
112.50
112.20
CONST VTAC
PAV'T
CRACK &
SEAT
GRIND
(SEE NOTE)
GRIND
BUTT JT
SAN
112.17
CONST.
15' RAD.
PED
RAMP
I
II
112.32
112.23
112.29
112.10
112.12
111.60
111.75
112.02
111.70
112.03
112.10
112.20
112.32
112.20
111.73
111.40
111.88
111.55
ROADLIFE - 1989
0.1" VTAC ON
8.0" CONC-CRACKED & SEATED
REM & CONST
7" CONC DWY
(FIG 26)
114.04
114.03
113.69
113.55
114.20
113.95
113.75
112.70
DRIVEWAY
WIDTH
LOC. EST 11.0'
DRIVEWAY
WIDTH
LOC. EST 9.0'
NEW CONC
(VERY GOOD COND)
*2716
56.62
513-0499
LOT 18
*2708
56.62
513-0500
LOT 19
*2702
48.98
513-0501
LOT 20
AVE.
W. CLEVELAND
PARK ADD. NO. 2
SAW
CONC
ASPH
90

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 CENTERLI
- OFFSET MEASUREMENTS TO HYDRANTS ARE TAKEN TO THE OPERATING NUT.


28+00
LOT 4
491-1038
58.95
CONST.
15' RAD.
15' RAD.
PT 9
112.15
RAMP II
R & R 22' VFCC & G
S
GRIND & CONST VTAC PAV'T
R & R 22' VFCC & G
SAW
CONST.
25' RAD.
LOT 7
(112.40)
(112.30)
(112.23)
(111.90)
(111.80)

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

VE.

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. 477

PLAN OF: S. 53RD. ST. (2600S, 5300W)

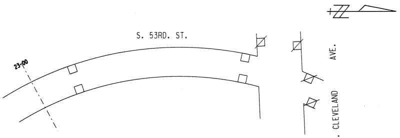
W. MONTANA ST. TO W. CLEVELAND AVE.

THIS SECTION: STATION 24+00 TO W. CLEVELAND AVE.

DRAWN BY	G. GUERRA	DATE: 12/13/13	PROJECT NO. ST211140101		SHEET 2 OF 2
DESCRIPTIONS BY		DATE:			
LEVELS BY	WILLIAMS	DATE: 5/10/13	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY	G. GUERRA	DATE: 12/13/13	1" = 10'	513	11
DESIGNED BY	MANHARDT	DATE: 6/12/14	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	SNYDER	DATE: 11/17/14	REVISED:		
CHECKED BY	D. Ulatowski	DATE: 12/11/14	REVISED:		
APPROVED BY		DATE: 12/11/14	REVISED:		
FILE: V:\PWELIB\PAVING\29326.FIN					
PLOT DATE: 04-DEC-2014					

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 4	ABANDON- 0
PROJECT IN ~~(COMB)~~ (SEPARATED) AREA		



S. 53RD. ST.
23+00
W. CLEVELAND AVE.

EROSION CONTROL	AND C.B. REQUISITION			PLAN
TYPE M	☒ - CBW	☐ - RESET	✕ - ABANDON	☐
THIS SHEET 8	0	4	0	NO WORK

TO \ DATE	12/18/14	3/10/15			
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				
TrafficEng	1				
RM 506		6			
PLAN SIZE	18" X 112"				