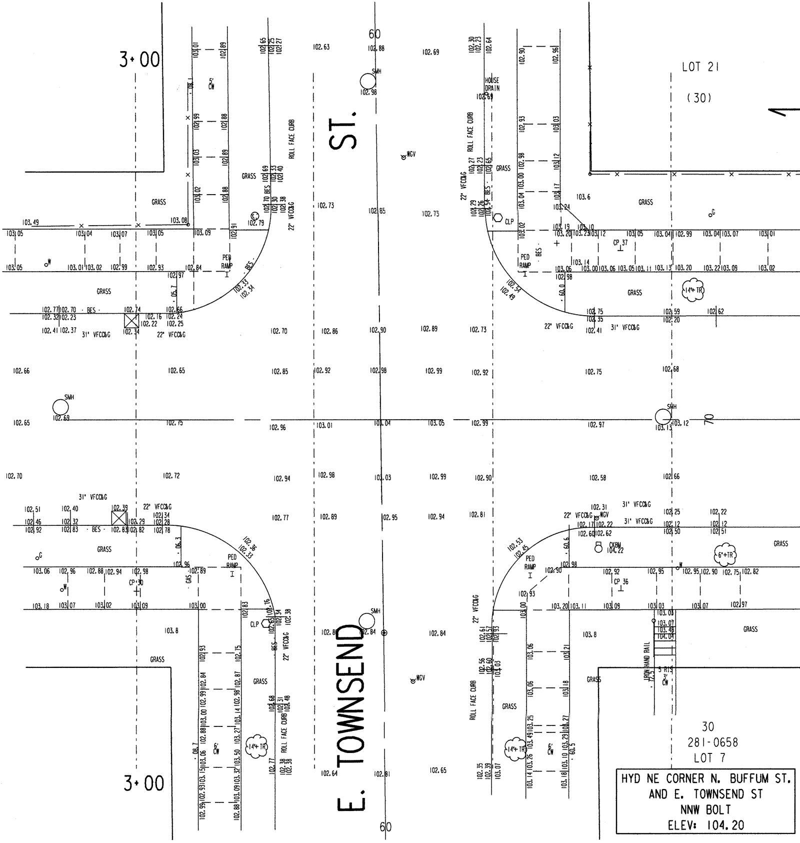
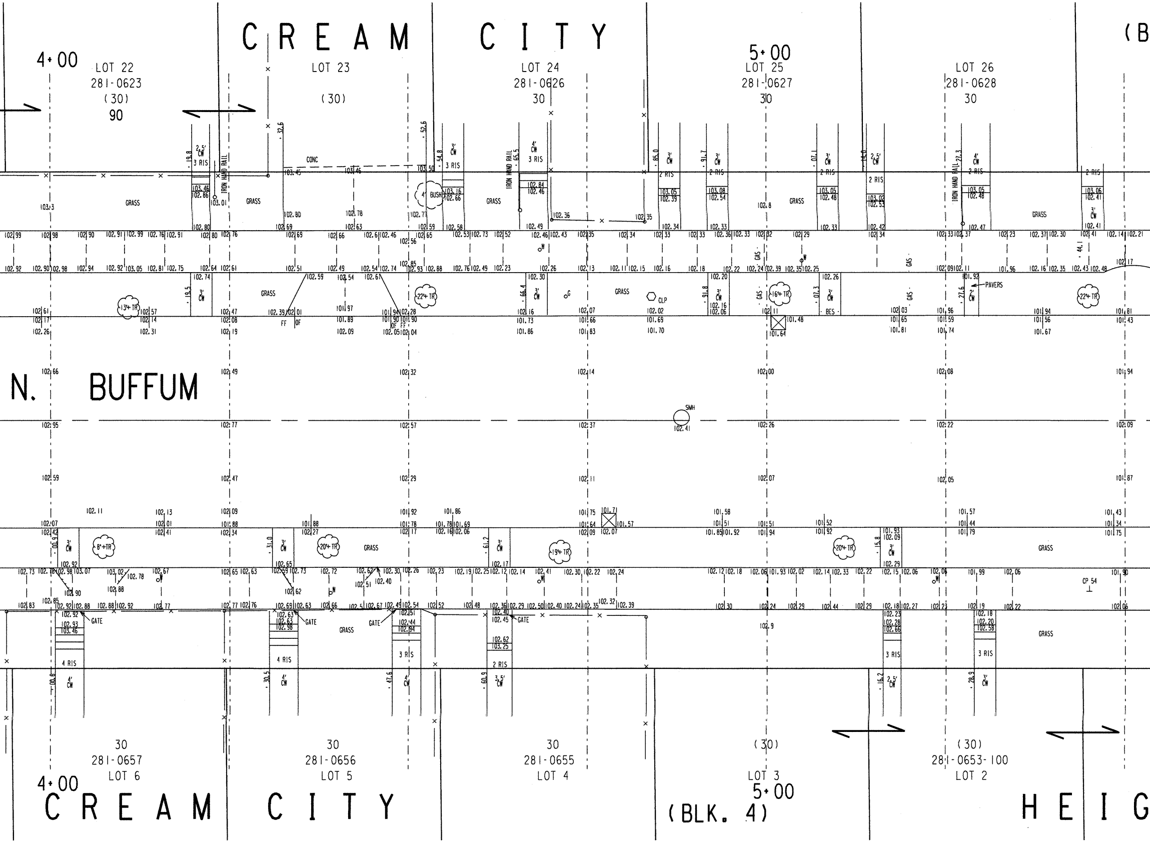
INFRASTRUCTURE SERVICES DIVISION
CONSTRUCTION SECTION
DESIGN & SURVEY SERVICES
NORTH DISTRICT
MILWAUKEE, WISCONSIN

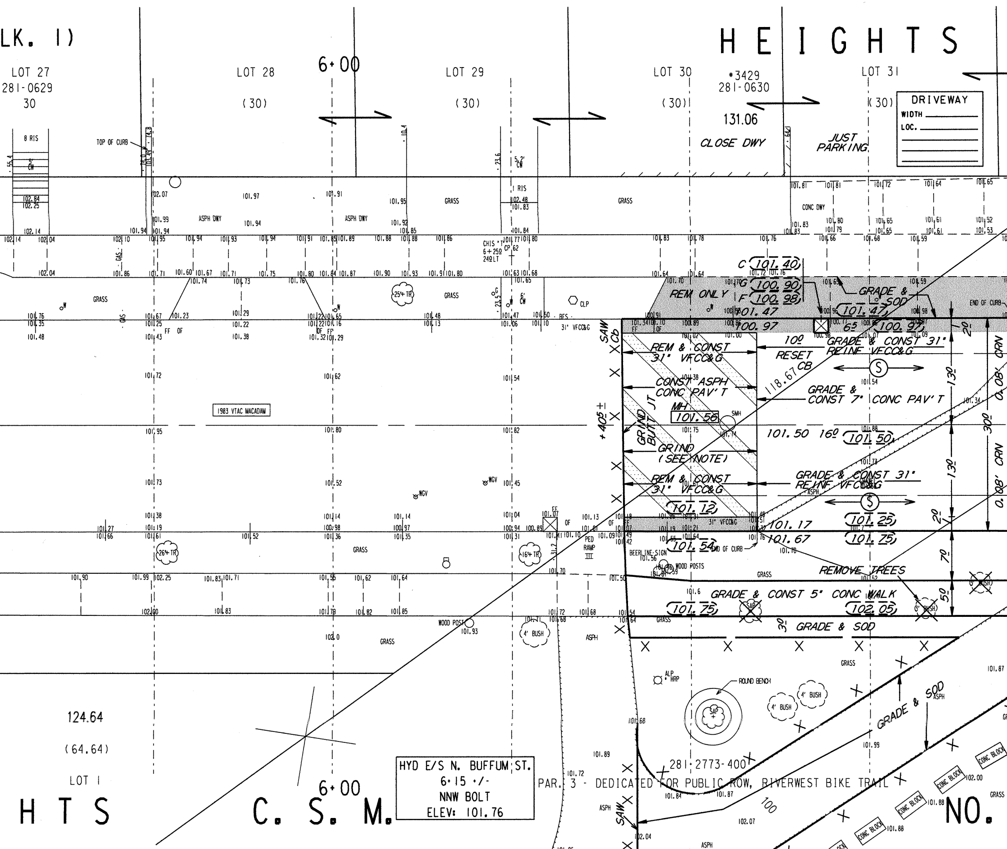
LEVELS BY: S. OLIVE
DATE: 12-05-12
DRAWN BY: S. OLIVE
DATE: 12-20-12
FILE NO: ST211080125

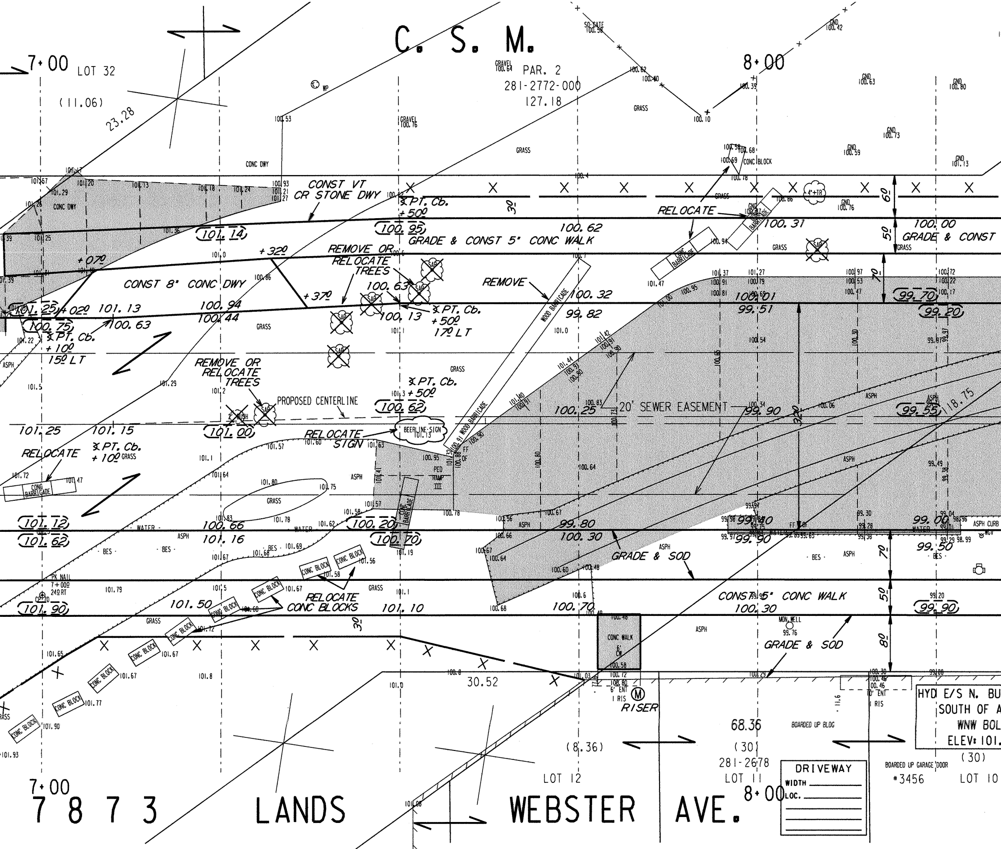
TRANSIT LINE IS THE CENTER LINE
OF THE ROADWAY
BASED ON CURBS
STATION 10+00
IS THE SECTION LINE
OF E. KEEFE AVE.

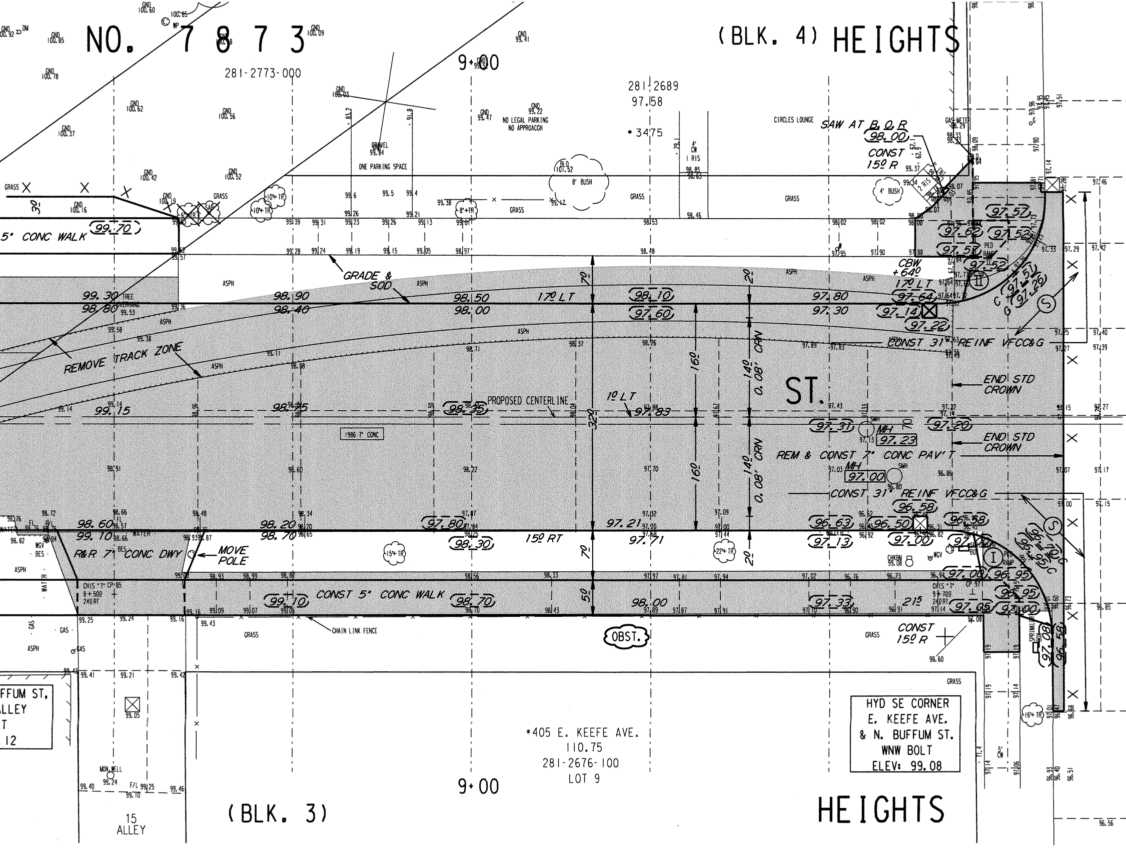

3+00
3+00
E. TOWNSEND ST.
60
60
70
LOT 21
(30)
30
281-0658
LOT 7
GRASS
SMH
WGV
CLP
HOUSE DRAIN
ROLL FACE CURB
PED RAMP
BES
31' VFCC&G
22' VFCC&G
5' CW
6' CW
CP 37
CP 36
CKBM 104.22
14"+TR
6"+TR
IRON HAND RAIL
5 RIS 3' CW
GAS

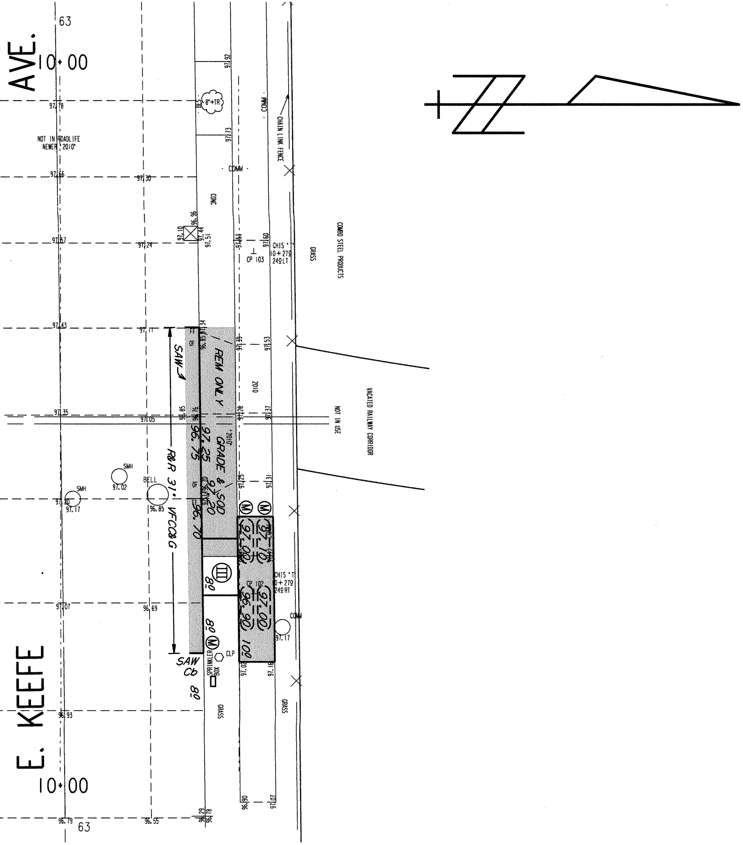
HYD NE CORNER N. BUFFUM ST.
AND E. TOWNSEND ST
NNW BOLT
ELEV: 104.20


CREAM CITY
(B
4+00
LOT 22
281-0623
(30)
90
LOT 23
(30)
LOT 24
281-0626
30
5+00
LOT 25
281-0627
30
LOT 26
281-0628
30
IRON HAND RAIL
CONC
BUSH
GRASS
3 RIS
2 RIS
CW
GAS
CLP
BES
PAVERS
FF
OF
N. BUFFUM
SMH
102.41
GATE
4 RIS
CP 54
30
281-0657
LOT 6
30
281-0656
LOT 5
30
281-0655
LOT 4
(30)
LOT 3
(30)
281-0653-100
LOT 2
4+00
CREAM CITY
5+00
(BLK. 4)
HEIG


LK. 1)
H E I G H T S
LOT 27
281-0629
30
LOT 28
(30)
6+00
LOT 29
(30)
LOT 30
(30)
#3429
281-0630
131.06
CLOSE DWY
LOT 31
(30)
JUST PARKING
DRIVEWAY
WIDTH
LOC.
8 RIS
TOP OF CURB
1 RIS
GRASS
ASPH DWY
CONC DWY
CHIS "T" 6+25° 24° LT
CP 62
CLP
31' VFCC&G
C (101.40)
G (100.90)
F (100.98)
REM ONLY
101.47
100.97
GRADE & SOD
END OF CURB
SAW CB
REM & CONST 31' VFCC&G
10º RESET CB
GRADE & CONST 31' REINF VFCC&G
CONST ASPH CONC PAV'T
GRADE & CONST 7" CONC PAV'T
118.67
MH 101.56
SMH
GRIND BUTT JT
GRIND (SEE NOTE)
+405±
101.50
16º
101.50
REM & CONST 31' VFCC&G
GRADE & CONST 31' REINF VFCC&G
101.12
101.17
101.67
101.25
101.75
101.54
13º
30º
0.08' CRN
20
7º
5º
1983 VTAC MACADAM
WGV
25'+ TR
26'+ TR
16'+ TR
PED RAMP III
BEERLINE SIGN
WOOD POSTS
REMOVE TREES
GRADE & CONST 5" CONC WALK
101.75
102.05
GRADE & SOD
6' BUSH
4' BUSH
SAP
WOOD POST
ROUND BENCH
ALP HRP
GRADE & SOD
CONC BLOCK
124.64
(64.64)
LOT 1
H T S
C. S. M.
HYD E/S N. BUFFUM ST.
6+15 +/-
NNW BOLT
ELEV: 101.76
PAR. 3 - DEDICATED FOR PUBLIC ROW, RIVERWEST BIKE TRAIL
281-2773-400
100
SAW
ASPH
NO.


C. S. M.
PAR. 2
281-2772-000
127.18
7+00
LOT 32
(11.06)
23.28
8+00
CONST VT CR STONE DWY
CONC DWY
℄ PT. Cb. +50⁰
(100.95)
(101.14)
100.62
GRADE & CONST 5' CONC WALK
RELOCATE
100.31
100.00
GRADE & CONST
+32⁰
+07⁰
REMOVE OR RELOCATE TREES
CONST 8' CONC DWY
+37⁰
100.63
REMOVE
100.32
99.82
(99.70)
(99.20)
(101.25) +02⁰ 101.13
100.94
100.44
100.13
℄ PT. Cb. +50⁰ 17⁰ LT
(100.75) ℄ PT. Cb. +10⁰ 15⁰ LT
100.63
100.01
99.51
WOOD BARRICADE
CONC BARRICADE
CONC BLOCK
REMOVE OR RELOCATE TREES
PROPOSED CENTERLINE
℄ PT. Cb. +50⁰
(100.62)
(101.00)
101.25
101.15
100.25
20' SEWER EASEMENT
99.90
32⁰
(99.55)
18.75
RELOCATE
℄ PT. Cb. +10⁰
RELOCATE SIGN
BEERLINE SIGN
PED RAMP III
(101.12)
(101.62)
100.66
101.16
(100.20)
(100.70)
99.80
100.30
99.40
99.90
99.00
99.50
GRADE & SOD
WATER
BES
ASPH
GRASS
(101.90)
101.50
RELOCATE CONC BLOCKS
101.10
100.70
CONST 5' CONC WALK
100.30
(99.90)
PK NAIL 7+00 24⁰ RT
30'
30.52
CONC WALK 6' CW
MON. WELL
GRADE & SOD
6' ENT 1 RIS
RISER
10' ENT 1 RIS
68.36
(8.36)
(30)
281-2678
LOT 12
LOT 11
LOT 10
BOARDED UP BLDG
BOARDED UP GARAGE DOOR
#3456
DRIVEWAY
WIDTH
LOC.
HYD E/S N. BU
SOUTH OF A
WNW BOL
ELEV: 101.
(30)
7+00
8+00
7873
LANDS
WEBSTER AVE.


NO. 7873
(BLK. 4) HEIGHTS
281-2773-000
281-2689
97.58
*3475
9+00
NO LEGAL PARKING
NO APPROACH
ONE PARKING SPACE
GRAVEL
CIRCLES LOUNGE
SAW AT B.O.R
98.00
CONST
15º R
GAS METER
4' BUSH
8' BUSH
GRASS
30
5' CONC WALK
99.70
GRADE & SOD
ASPH
99.30
98.80
TREE OVERHANG
98.90
98.40
98.50
98.00
17º LT
98.10
97.60
97.80
97.30
CBW +64º
17º LT
97.64
97.14
97.22
97.57
97.62
97.52
97.57
97.52
PED RAMP
II
REMOVE TRACK ZONE
CONST 31" REINF VFCC&G
END STD CROWN
160
160
140
0.08' CRN
140
0.08' CRN
320
70
20
ST.
PROPOSED CENTERLINE
99.15
98.75
98.35
1º LT
97.83
97.31
MH
97.23
97.20
1986 7" CONC
REM & CONST 7" CONC PAV'T
MH
97.00
SMH
CONST 31" REINF VFCC&G
96.58
98.60
99.10
98.20
98.70
97.80
98.30
15º RT
97.21
97.71
96.63
96.50
97.13
97.00
96.58
96.95
96.70
R&R 7" CONC DWY
MOVE POLE
WATER
15" TR
22" TR
CHIS "T" CP/85 8+50º 24º RT
CONST 5' CONC WALK
99.10
98.70
98.00
97.33
215
97.05
97.00
96.95
96.95
97.08
96.58
I
PED RAMP
CHIS "T" 9+70º 24º RT
CHAIN LINK FENCE
OBST.
CONST 15º R
GRASS
SPRINKLER BOX
16" TR
FFUM ST.
LLEY
T
12
MON.WELL
F/L
15 ALLEY
*405 E. KEEFE AVE.
110.75
281-2676-100
LOT 9
9+00
(BLK. 3)
HEIGHTS
HYD SE CORNER
E. KEEFE AVE.
& N. BUFFUM ST.
WNW BOLT
ELEV: 99.08


AVE.
E. KEEFE
10+00
10+00
63
63
NOT IN ROADLIFE NEWER 2010'
COMM
CHAIN LINK FENCE
CONC
8"+TR
CHIS "T" 10+279 24.0 LT
CP 103
CHIS "T" 10+279 24.0 RT
CP 102
GRASS
COMBO STEEL PRODUCTS
VACATED RAILWAY CORRIDOR
NOT IN USE
2010
REM ONLY
GRADE & SOD
SAW
R&R 31' VFCC&G
SAW Cb
SMH
BELL
SPRINKLER BOX
CLP
III
M
97.78
97.66
97.30
97.67
97.24
97.43
97.35
97.05
97.07
96.69
96.93
96.79
96.55
97.02
97.17
96.85
97.25
96.75
97.20
96.70
97.10
97.00
96.90
8.0
10.0

NOTES :

- Ⓘ, Ⓘ, Ⓘ, DENOTES RAMP TYPE.
- CONSTRUCT ALL CARRIAGE WALKS AND DRIVEWAYS PER CITY OF MILWAUKEE SPECIFICATIONS.
- OFFSET MEASUREMENTS TO TREES, WOOD POLES AND POLES ARE TAKEN TO EDGE NEAREST THE CENTERL
- OFFSET MEASUREMENTS TO HYDRANTS ARE TAKEN TO THE OPERATING NUT.
- GRADE & SOD ENTIRE AREA BETWEEN CURB AND CONCRETE WALK.
- GRADE & PLACE 1.5' WIDTH OF SOD IN LAWN AREAS DISTURBED BY CONSTRUCTION, UNLESS OTHERWISE D
- ANY TREE TO BE REMOVED AS PART OF THIS PROJEC WILL BE INDICATED IN THE CONTRACT SPECIAL PRO
- PITCH FLANGE 0.08 UNLESS OTHERWISE SHOWN
- IN AREAS OF GRINDING, GRIND TO ACHIEVE 0.12' MIN COVER AT FLANGES, 0.17' AT BUTT JOI AND 0.21 MINIMUM ELSEWHERE
- PROJECT IS DESIGNED TO BE CONSTRUCTED IN TWO EQUAL PASSES WITH A 0.08' CROWN IN EACH PASS, REDUCING THROUGH THE INTERSECTIONS AS SHOWN

LIGHT
NE.

IRECTED

T
VISIONS

NTS,

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.						
☒	7" CONCRETE DRIVEWAY	S.F.						
☒	8" CONCRETE DRIVEWAY	S.F.						
☒	7" 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							
☒	3" CRUSHED GRAVEL BASE	S.Y.						
☒	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

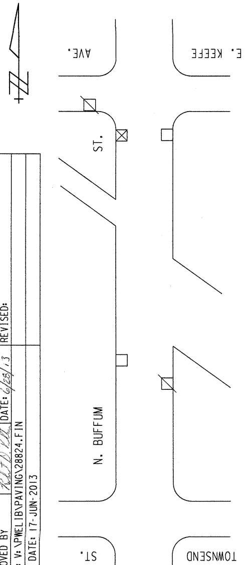
FILE NO. 104

PLAN OF: N. BUFFUM ST. (3500N, 400E)
A PT. 350' S. OF E. KEEFE AVE TO A PT. 100' S. OF E. KEEFE AVE.
THIS SECTION:

DRAWN BY	S. BIEGANSKI	DATE: 3/27/13	PROJECT NO. ST210120101		SHEET 1 OF 1
DESCRIPTIONS BY	S. BIEGANSKI	DATE: 3/27/13			
LEVELS BY		DATE:	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY		DATE:	1"=10'	281	6
DESIGNED BY	R. DUCHOW	DATE: 5/29/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	G. GUERRA	DATE: 6/06/13	REVISED:		
CHECKED BY	S. WALCZAK	DATE: 6/13/13	REVISED:		
APPROVED BY		DATE: 6/25/13	REVISED:		
FILE: V:\PWELIB\PAVING\28824.FIN					
PLOT DATE: 17-JUN-2013					

STORM DRAINAGE UNITS		
C.B.W.- 1	RESET- 2	ABANDON- 0
PROJECT IN (COMB) AREA		

TO \ DATE	7/1/13	8/23/13			
ESTIMATING	1				
HOLLOW WALKS	1				
PUBLIC HEARING	1				
CONSTRUCTION	1	6			
SEWER	1				
WATER	1				
STREET LIGHTING	1				
BLDG. SEWERS	1				
MEASURING		1			
FIELD		1			
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 Rm 506	1	15			
PLAN SIZE	12" X 112"				


E. KEEFE
AVE.
ST.
N. BUFFUM
ST.
E. TOWNSEND

EROSION CONTROL AND C.B. REQUISITION PLAN

TYPE M	☒-CBW	☐-RESET	X-ABANDON	☒ NO WORK
5	1	2	0	

N. BUFFUM ST. - A PT. 350' S. OF E. KEEFE AVE. TO A PT. 100' S. OF SAME (1 OF 1)

ST210120101

12" X 112"

28824