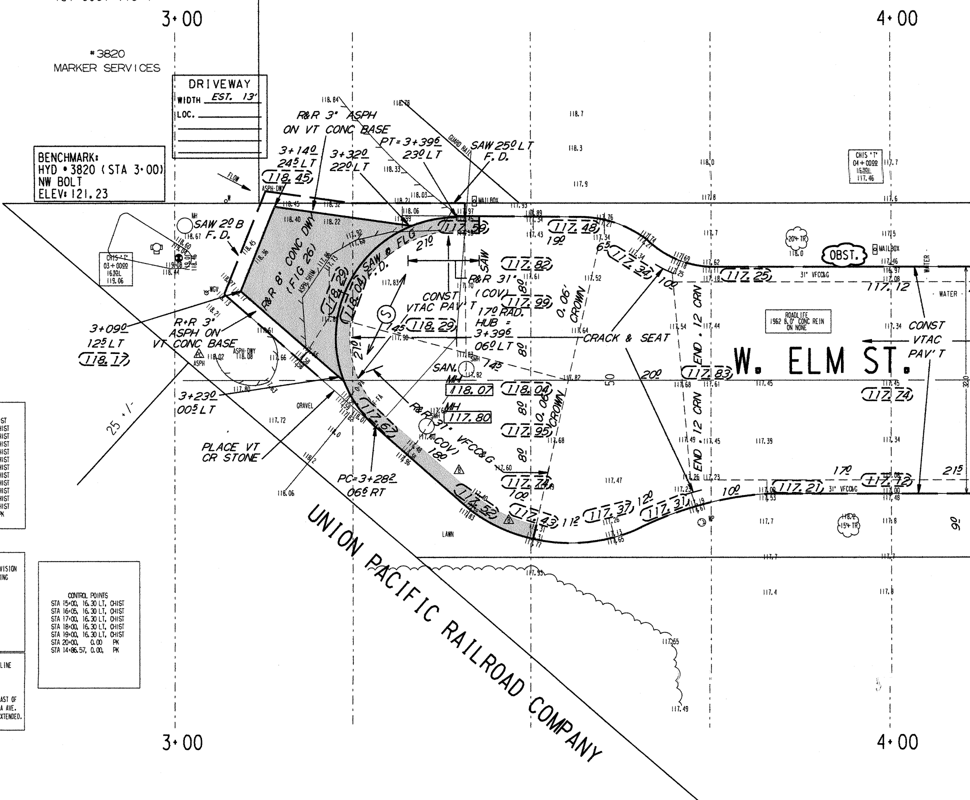
137-9861-116-4


3+00
4+00
#3820
MARKER SERVICES
R&R 3" ASPH
ON VT CONC BASE
$3+14^{0}$
24^{5} LT
(118.45)
$3+32^{0}$
22^{0} LT
PT = $3+39^{6}$
23^{0} LT
SAW 25^{0} LT
F. D.
GUARD RAIL
FLOW
ASPH-DWY
MAILBOX
SAW 2^{0} B
F. D.
MH
R&R 8" CONC DWY
(FIG 26)
ASPH SHIM
(118.29)
(118.04)
SAW @ FLG
F. D.
21^{0}
(117.59)
SAW
R&R 31"
(COV)
(117.82)
(117.99)
CONST
VTAC PAV'T
17^{0} RAD.
HUB =
$3+39^{6}$
06^{0} LT
(118.29)
14^{5}
0.06' CROWN
(117.48)
19^{0}
6^{5}
(117.34)
10^{0}
CRACK & SEAT
$3+09^{0}$
12^{5} LT
(118.17)
R+R 3"
ASPH ON
VT CONC BASE
ASPH
ASPH-DWY
WGV
CHIS 'T'
03+0000
16.30L
119.06
21^{0}
SAN. MH
118.07
MH
117.80
(118.04)
(117.95)
8^{0}
0.06' CROWN
$3+23^{0}$
00^{5} LT
GRAVEL
PLACE VT
CR STONE
PC = $3+28^{2}$
06^{5} RT
(117.67)
R&R 31" VFCC&G
(COV)
18^{0}
(117.74)
10^{0}
(117.52)
(117.43)
11^{2}
(117.37)
12^{0}
(117.31)
10^{0}
LAWN
25 +/-
50
END. 12 CRN
END. 12 CRN
(117.83)
20^{0}
(117.25)
31" VFCC&G
(117.21)
31" VFCC&G
204 TR
OBST.
MAILBOX
CHIS 'T'
04+0000
16.30L
117.46
ROADLIFE
1962 8.0" CONC REIN
ON NONE
W. ELM ST.
WATER
117.12
CONST
VTAC
PAV'T
(117.74)
17^{0}
(117.12)
21^{5}
32.0
9^{0}
154 TR
WP
UNION PACIFIC RAILROAD COMPANY

BENCHMARK:
HYD #3820 (STA 3+00)
NW BOLT
ELEV: 121.23

DRIVEWAY
WIDTH EST. 13'
LOC.

CONTROL POINTS
STA 3+00, 16.30 LT, CHIST
STA 4+00, 16.30 LT, CHIST
STA 5+00, 16.30 LT, CHIST
STA 6+00, 16.30 LT, CHIST
STA 7+00, 16.30 LT, CHIST
STA 8+00, 16.30 LT, CHIST
STA 9+00, 16.30 LT, CHIST
STA 10+00, 16.30 LT, CHIST
STA 11+00, 16.30 LT, CHIST
STA 12+00, 16.30 LT, CHIST
STA 13+00, 16.30 LT, CHIST
STA 14+00, 16.30 LT, CHIST
STA 14+86.57, 0.00, PK

INFRASTRUCTURE SERVICES DIVISION
FIELD / DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

LEVELS BY: SILESHI
DATE: 07-06-15
DRAWN BY: SILESHI
DATE: 07-06-15
FILE NO: ST211160107

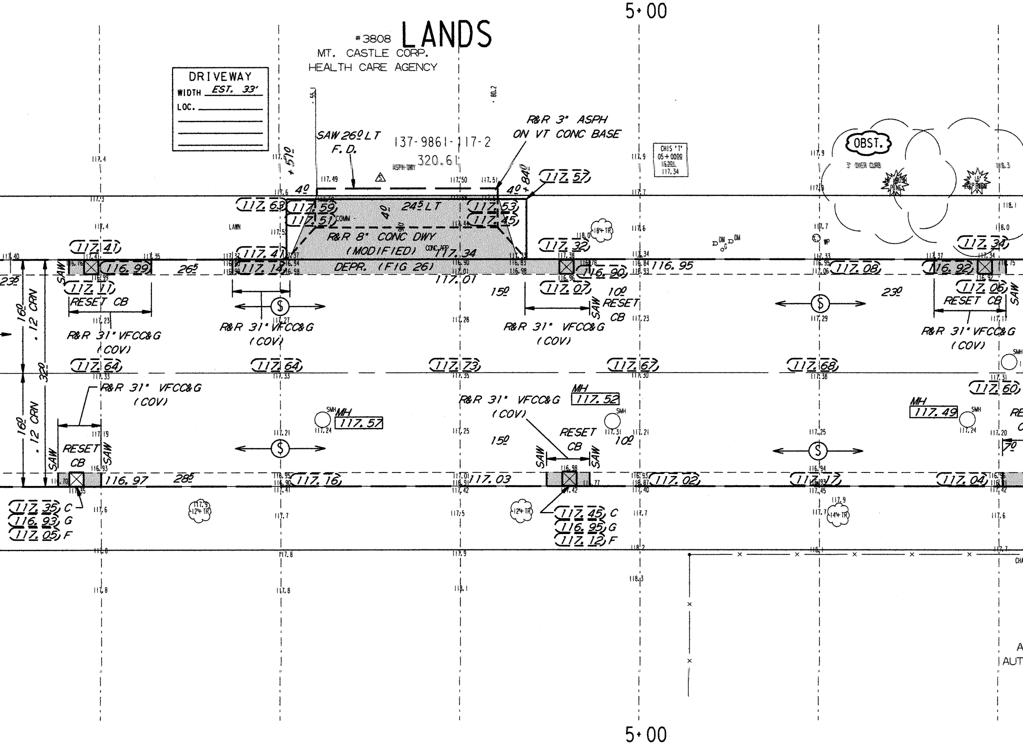
TRANSIT LINE IS THE CENTER LINE
OF W. ELM ST.
BASED ON CURB SPLITS

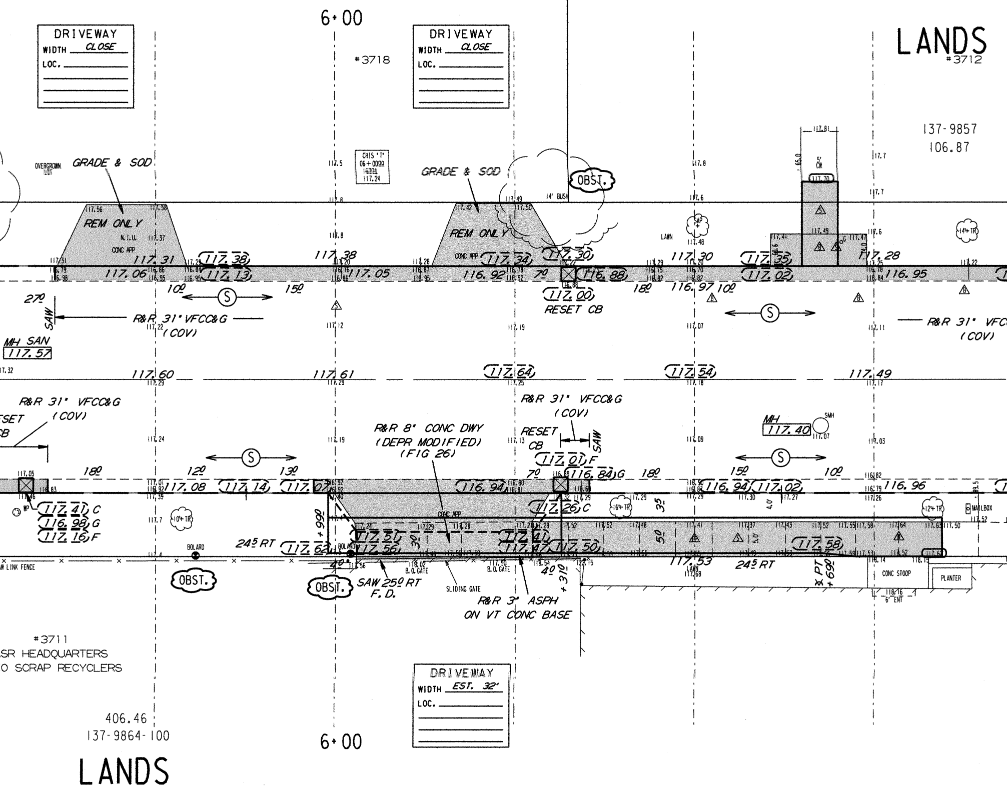
STATION 20+00 IS 87.00 FT EAST OF
THE WEST LINE OF N. TEUTONIA AVE.
AT THE CENTER LINE OF ELM EXTENDED.

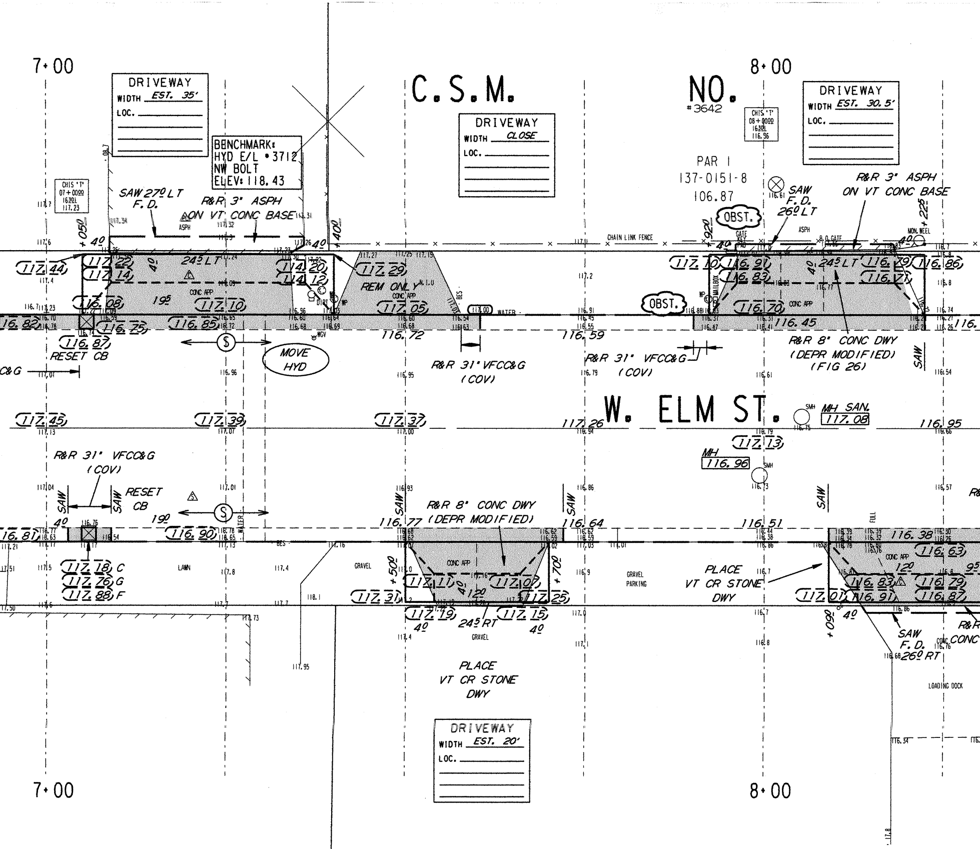
CONTROL POINTS
STA 15+00, 16.30 LT, CHIST
STA 16+05, 16.30 LT, CHIST
STA 17+00, 16.30 LT, CHIST
STA 18+00, 16.30 LT, CHIST
STA 19+00, 16.30 LT, CHIST
STA 20+00, 0.00 PK
STA 14+86.57, 0.00, PK

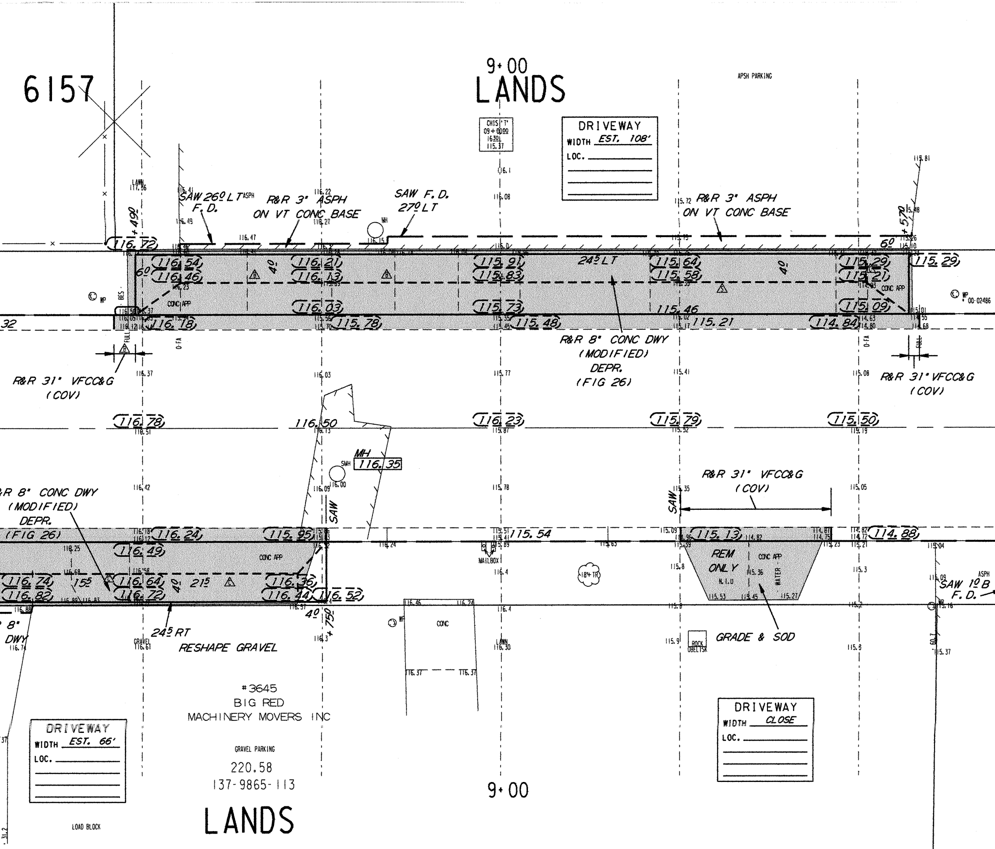
3+00

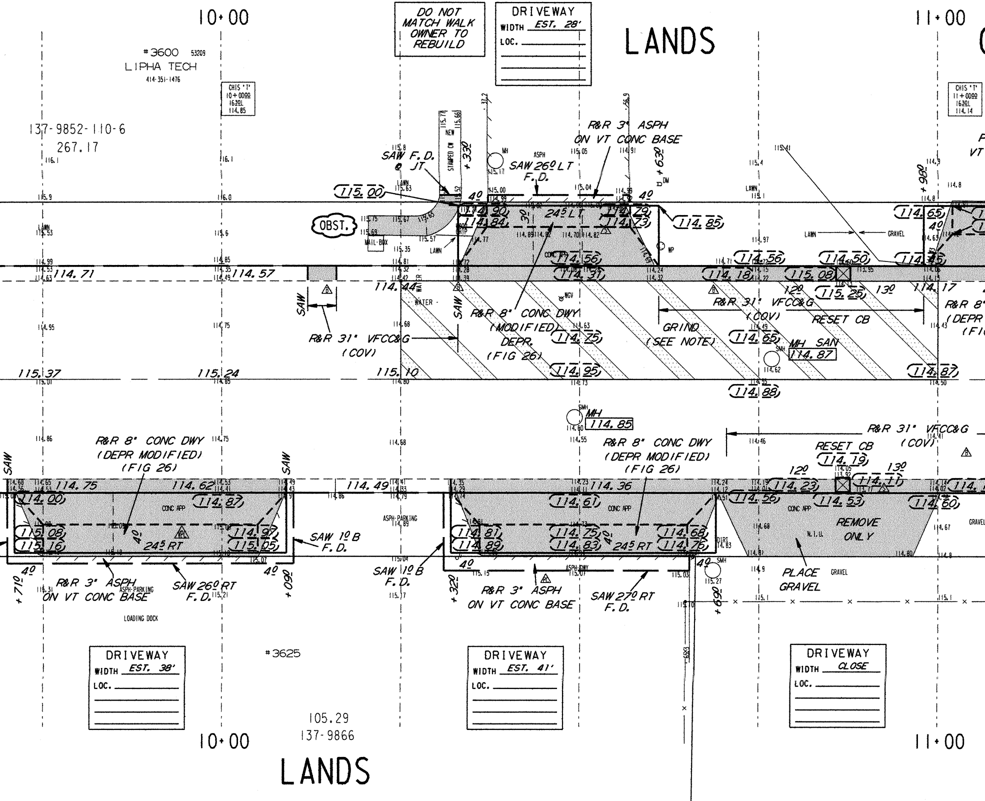
4+00

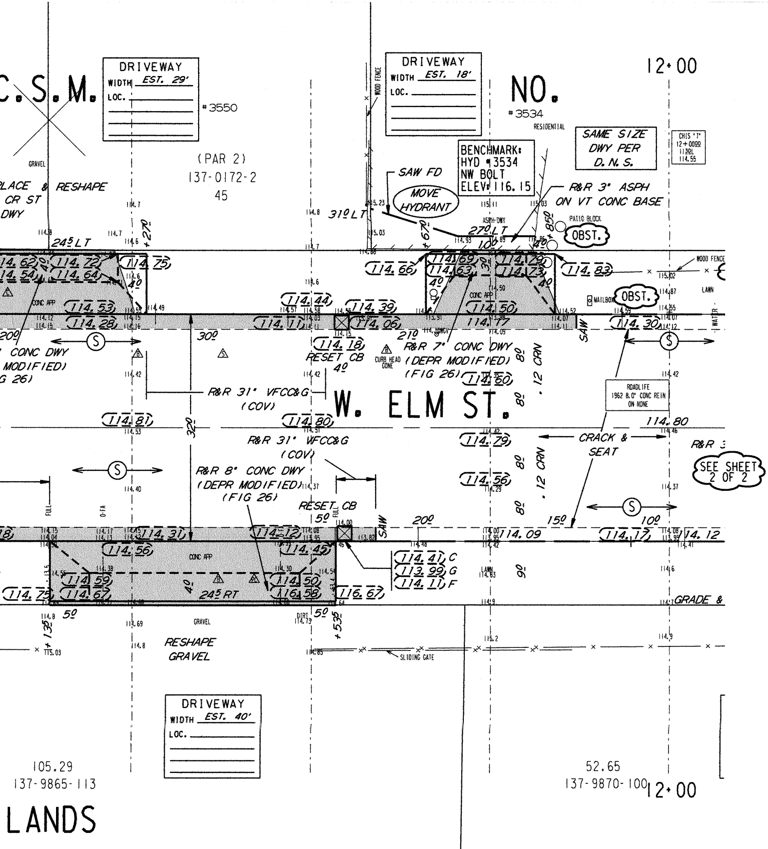

5+00
#3808 LANDS
MT. CASTLE CORP.
HEALTH CARE AGENCY
DRIVEWAY
WIDTH EST. 33'
LOC.
SAW 26º LT
F. D.
137-9861-117-2
320.61
R&R 3" ASPH
ON VT CONC BASE
CHIS 'T'
05+00
117.34
OBST.
+510
+840
4º
24⁵ LT
R&R 8" CONC DWY
(MODIFIED)
DEPR. (FIG 26)
117.63
117.59
117.51
117.47
117.14
117.53
117.45
117.57
117.34
117.01
117.32
116.90
116.95
117.07
117.08
116.92
117.34
117.06
117.41
116.99
117.11
26⁵
23º
15º
10º
23º
RESET CB
R&R 31" VFCC&G
(COV)
SAW
16º
.12 CRN
32º
117.64
117.64
117.73
117.67
117.68
117.60
MH
117.57
117.52
117.49
116.97
28⁵
117.16
117.03
117.02
117.17
117.04
117.35 C
116.93 G
117.05 F
117.45 C
116.95 G
117.12 F
AUT
5+00




7+00
8+00
C.S.M. NO.
#3642
DRIVEWAY
WIDTH EST. 35'
LOC.
BENCHMARK:
HYD E/L #3712
NW BOLT
ELEV: 118.43
DRIVEWAY
WIDTH CLOSE
LOC.
CHIS 'T'
08+00.00
16.30L
116.36
PAR I
137-0151-8
106.87
DRIVEWAY
WIDTH EST. 30.5'
LOC.
CHIS 'T'
07+00.00
16.30L
117.23
SAW 27° LT
F.D.
R&R 3" ASPH
ON VT CONC BASE
+050
4°
+400
24° LT
19°
117.44
117.22
117.14
116.08
117.10
116.85
116.82
116.75
116.87
RESET CB
C&G
114.20
114.12
117.29
REM ONLY
117.05
116.72
R&R 31" VFCC&G
(COV)
MOVE HYD
116.59
R&R 31" VFCC&G
(COV)
CHAIN LINK FENCE
OBST.
OBST.
+920
4°
SAW
F.D.
26° LT
24° LT
117.10
116.91
116.83
116.79
116.71
116.86
116.70
116.45
R&R 3" ASPH
ON VT CONC BASE
+225
R&R 8" CONC DWY
(DEPR MODIFIED)
(FIG 26)
SAW
WATER
MAILBOX
CONC APP
W. ELM ST.
117.45
117.39
117.37
117.26
MH SAN.
117.08
116.95
117.13
MH
116.96
R&R 31" VFCC&G
(COV)
SAW
SAW
RESET CB
4°
19°
116.81
116.90
117.18 C
117.76 G
117.88 F
LAWN
GRAVEL
SAW
R&R 8" CONC DWY
(DEPR MODIFIED)
SAW
116.77
116.64
116.51
116.38
+500
+700
117.11
117.07
117.31
117.25
117.19
117.15
4°
24° RT
4°
12°
GRAVEL PARKING
PLACE
VT CR STONE
DWY
116.63
116.83
116.79
116.91
116.87
117.07
+060
4°
SAW
F.D.
26° RT
R&R CONC
LOADING DOCK
PLACE
VT CR STONE
DWY
DRIVEWAY
WIDTH EST. 20'
LOC.
7+00
8+00


6157
9+00
LANDS
APSH PARKING
CHIS "T"
09+00.00
16.30 L
115.37
DRIVEWAY
WIDTH EST. 108'
LOC.
SAW 26º LT F.D.
R&R 3" ASPH ON VT CONC BASE
SAW F.D. 27º LT
R&R 3" ASPH ON VT CONC BASE
+49º
+57º
6º
4º
24º LT
116.72
116.54
116.46
116.21
116.13
115.91
115.83
115.64
115.58
115.29
115.21
115.29
116.03
115.73
115.46
115.09
116.78
115.78
115.48
115.21
114.84
CONC APP
R&R 8" CONC DWY (MODIFIED) DEPR. (FIG 26)
R&R 31" VFCC&G (COV)
R&R 31" VFCC&G (COV)
116.78
116.50
116.23
115.79
115.50
MH 116.35
SMH
SAW
R&R 31" VFCC&G (COV)
SAW
R&R 8" CONC DWY (MODIFIED) DEPR. (FIG 26)
116.24
115.95
115.54
115.13
114.88
116.49
116.74
116.82
15º
116.64
116.72
21º
116.36
116.44
116.52
4º
+75º
24º RT
RESHAPE GRAVEL
MAILBOX
18" TR
REM ONLY
N.I.U
WATER
GRADE & SOD
ROCK OBELISK
SAW 1º B F.D.
ASPH
LAWN
GRAVEL
CONC
#3645
BIG RED
MACHINERY MOVERS INC
GRAVEL PARKING
220.58
137-9865-113
9+00
LANDS
DRIVEWAY
WIDTH EST. 66'
LOC.
DRIVEWAY
WIDTH CLOSE
LOC.
LOAD BLOCK


10+00
11+00
LANDS
#3600 53209
LIPHA TECH
414-351-1476
137-9852-110-6
267.17
CHIS 'T'
10+00
163.0L
114.85
CHIS 'T'
11+00
163.0L
114.14
DO NOT MATCH WALK OWNER TO REBUILD
DRIVEWAY
WIDTH EST. 28'
LOC.
SAW F.D. @ JT.
STAMPED CW
NEW
+33.0
MH
ASPH
SAW 26.0 LT F.D.
R&R 3" ASPH ON VT CONC BASE
+63.0
(115.00)
OBST.
MAIL-BOX
LAWN
4.0
(114.90)
(114.84)
3.0
24.5 LT
(114.79)
(114.73)
(114.85)
(114.56)
(114.31)
WP
114.71
114.57
114.44
WATER
SAW
R&R 31" VFCC&G (COV)
R&R 8" CONC DWY (MODIFIED) DEPR. (FIG 26)
WGV
(114.75)
(114.95)
GRIND (SEE NOTE)
(114.56)
(114.18)
(114.50)
(115.08)
(115.25)
12.0
13.0
R&R 31" VFCC&G (COV)
RESET CB
(114.65)
MH SAN
114.87
SMH
(114.88)
114.17
+98.0
(114.65)
4.0
(114.45)
(114.87)
R&R 8" (DEPR (FI
LAWN
GRAVEL
115.37
115.24
115.10
SMH
MH
114.85
R&R 8" CONC DWY (DEPR MODIFIED) (FIG 26)
R&R 8" CONC DWY (DEPR MODIFIED) (FIG 26)
R&R 31" VFCC&G (COV)
RESET CB
(114.19)
12.0
13.0
(114.23)
(114.11)
114.75
114.62
114.49
114.36
(114.00)
(114.87)
CONC APP
(115.08)
(115.16)
4.0
24.5 RT
(114.97)
(115.05)
SAW 1.0 B F.D.
ASPH-PARKING
(114.61)
(114.81)
(114.89)
(114.75)
(114.83)
4.0
24.5 RT
(114.68)
(114.76)
DIRT
(114.56)
(114.53)
REMOVE ONLY
N.I.U.
(114.60)
GRAVEL
4.0
+71.0
R&R 3" ASPH ON VT CONC BASE
SAW 26.0 RT F.D.
4.0
+09.0
SAW 1.0 B F.D.
+32.0
4.0
R&R 3" ASPH ON VT CONC BASE
SAW 27.0 RT F.D.
ASPH-DWY
4.0
SMH
+69.0
PLACE GRAVEL
LOADING DOCK
DRIVEWAY
WIDTH EST. 38'
LOC.
#3625
DRIVEWAY
WIDTH EST. 41'
LOC.
DRIVEWAY
WIDTH CLOSE
LOC.
105.29
137-9866
10+00
11+00
LANDS


C.S.M.
DRIVEWAY
WIDTH EST. 29'
LOC.
#3550
(PAR 2)
137-0172-2
45
GRAVEL
PLACE & RESHAPE
CR ST
DWY
24.5 LT
DRIVEWAY
WIDTH EST. 18'
LOC.
WOOD FENCE
NO.
#3534
RESIDENTIAL
12+00
BENCHMARK:
HYD #3534
NW BOLT
ELEV: 116.15
SAME SIZE
DWY PER
D. N. S.
CHIS 'T'
12+00.00
11.30L
114.55
SAW FD
MOVE HYDRANT
31.0 LT
R&R 3" ASPH
ON VT CONC BASE
27.0 LT
PATIO BLOCK
OBST.
WOOD FENCE
MAILBOX
OBST.
LAWN
CONC APP
114.62
114.54
114.72
114.64
114.75
114.53
114.28
114.44
114.39
114.11
114.06
114.66
114.69
114.63
114.78
114.73
114.83
114.50
114.17
114.30
20.0
CONC DWY
MODIFIED)
G 26)
30.0
114.18
RESET CB
4.0
CURB HEAD GONE
21.0
R&R 7" CONC DWY
(DEPR MODIFIED)
(FIG 26)
114.60
.12 CRN
SAW
WATER
ROADLIFE
1962 8.0" CONC REIN
ON NONE
R&R 31" VFCC&G
(COV)
W. ELM ST.
114.81
114.80
114.80
114.79
CRACK &
SEAT
R&R
SEE SHEET 2 OF 2
R&R 31" VFCC&G
(COV)
R&R 8" CONC DWY
(DEPR MODIFIED)
(FIG 26)
32.0
114.56
RESET CB
5.0
20.0
15.0
10.0
114.31
114.12
114.45
114.09
114.17
114.12
114.56
114.41 C
113.99 G
114.11 F
CONC APP
114.59
114.67
114.50
116.58
116.67
114.75
24.5 RT
5.0
5.0
+13.5
+53.5
DIRT
GRAVEL
RESHAPE
GRAVEL
SLIDING GATE
GRADE &
LAWN
DRIVEWAY
WIDTH EST. 40'
LOC.
105.29
137-9865-113
52.65
137-9870-100
12+00
LANDS

NOTES :

- (I), (II), (III), DENOTES RAMP TYPE.
- CONSTRUCT ALL CARRIAGE WALKS AND PER CITY OF MILWAUKEE SPECIFICAT
- OFFSET MEASUREMENTS TO TREES, WO POLES ARE TAKEN TO EDGE NEAREST
- OFFSET MEASUREMENTS TO HYDRANTS TO THE OPERATING NUT.
- GRADE AND PLACE 1.5' OF SOD IN L BY CONSTRUCTION, UNLESS OTHERWIS
- ANY TREES TO BE REMOVED AS PART INDICATED IN THE CONTRACT SPECIA
- PROJECT IS DESIGNED TO BE CONSTR WITH A .12' CROWN IN EACH PASS.
- IN AREAS OF GRINDING, GRIND TO A FLANGES, .17' AT BUTT JOINTS, AN
- REMOVE ASPHALT PATCHES WITHIN LI AS DIRECTED BY THE CONSTRUCTION
- INTERNAL MANHOLE SEALS ARE REQUI ALL MANHOLES MARKED SAN. (SANITA

INFRASTRUCTURE SERVICES DIVISION
FIELD / DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

LEVELS BY: SILESHI
DATE: 07-06-15
DRAWN BY: SILESHI
DATE: 07-06-15
FILE NO: ST211160107

TRANSIT LINE IS THE CENTER LINE
OF W. ELM ST.
BASED ON CURB SPLITS

STATION 20+00 IS 87.00 FT EAST OF
THE WEST LINE OF N. TEUTONIA AVE.
AT THE CENTER LINE OF ELM EXTENDED.

CONTROL POINTS

STA 3+00,	16.30 LT,	CHIST
STA 4+00,	16.30 LT,	CHIST
STA 5+00,	16.30 LT,	CHIST
STA 6+00,	16.30 LT,	CHIST
STA 7+00,	16.30 LT,	CHIST
STA 8+00,	16.30 LT,	CHIST
STA 9+00,	16.30 LT,	CHIST
STA 10+00,	16.30 LT,	CHIST
STA 11+00,	16.30 LT,	CHIST
STA 12+00,	16.30 LT,	CHIST
STA 13+00,	16.30 LT,	CHIST
STA 14+00,	16.30 LT,	CHIST
STA 14+86.57,	0.00,	PK

CONTROL POINTS

STA 15+00,	16.30 LT,	CHIST
STA 16+05,	16.30 LT,	CHIST
STA 17+00,	16.30 LT,	CHIST
STA 18+00,	16.30 LT,	CHIST
STA 19+00,	16.30 LT,	CHIST
STA 20+00 ,	0.00,	PK
STA 14+86.57,	0.00,	PK

DRIVEWAYS
IONS.

OD POLES AND LIGHT
THE CENTERLINE.

ARE TAKEN

AWN AREAS DISTURBED
E DIRECTED

OF THIS PROJECT WILL BE
L PROVISIONS

UCTED IN TWO EQUAL PASSES
UNLESS OTHERWISE SHOWN

CHIEVE .12' MINIMUM COVER AT
D .21' MINIMUM COVER ELSEWHERE

MITS OF CONSTRUCTION
SUPERVISOR

RED IN
RY)

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.						
	CONCRETE PAVEMENT	S.Y.						
	7" CONCRETE ALLEY PAVEMENT	S.Y.						
☒	V.T. CONCRETE BASE	C.Y.						
☒	8" CONCRETE BASE	S.Y.						
☒	TACK COAT	GAL.						
☒	BASE PREP. FOR ASPHALT SURFACE	L.S.						
☒	V.T. ASPH. CONC. PAV'T. (MAX.)	S.Y.						
☒	VT CRUSHED STONE DWY	TON						
	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 REPAR	L.F.					1000	1950

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

FILE NO.
301

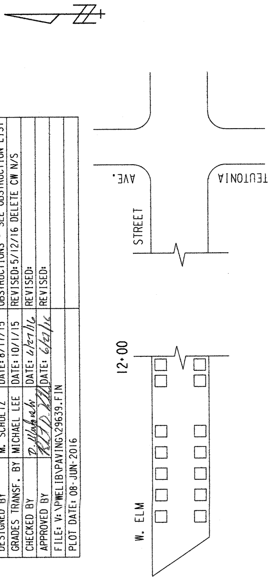
DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

PLAN OF: W ELM ST WEST OF N TEUTONIA AVE (6700N, 3700 W)
N. TEUTONIA AVE. TO A PT. 1600' +/- WEST OF N. TEUTONIA AVE
THIS SECTION: A PT. 1600' +/- WEST OF N. TEUTONIA AVE. TO STATION 12+00

DRAWN BY	MICHAEL LEE	DATE: 8/3/15	PROJECT NO.	
DESCRIPTIONS BY	MICHAEL LEE	DATE: 8/3/15	ST211160107	SHEET 1 OF 2
LEVELS BY	SILESHI	DATE: 7/6/15	SCALE 1/4 SEC.	ALD. DIST.
LEVELS TRANSF. BY	SILESHI	DATE: 7/6/15	1" = 10' 136,137	1
DESIGNED BY	M. SCHULTZ	DATE: 8/17/15	OBSTRUCTIONS - SEE OBSTRUCTION LIST	
GRADES TRANSF. BY	MICHAEL LEE	DATE: 10/1/15	REVISED: 5/12/16 DELETE CW N/S	
CHECKED BY	D. Urbanski	DATE: 6/27/16	REVISED:	
APPROVED BY	R.H.D.	DATE: 6/27/16	REVISED:	
FILE: V:\PWELIB\PAVING\29639.FIN				
PLOT DATE: 08-JUN-2016				

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 14	ABANDON- 0
PROJECT IN (SEPARATED) AREA		



N TEUTONIA AVE.
W. ELM STREET
12+00

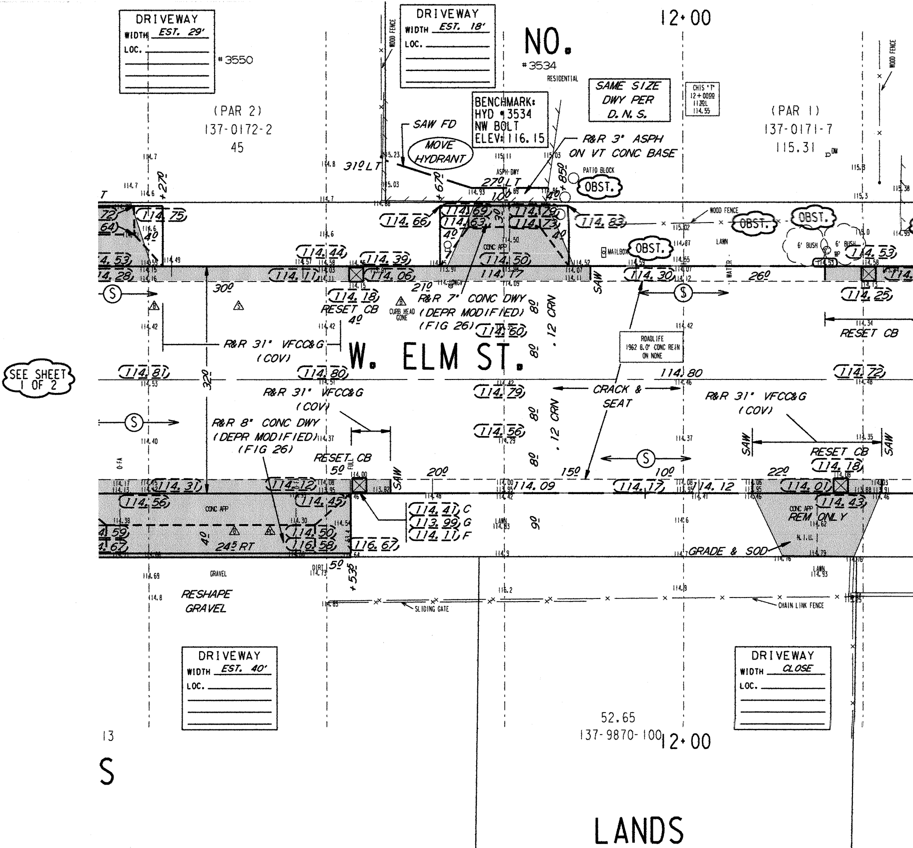
DATE / TO	11-17-15	6-27-16	7-19-16		
ESTIMATING	1	1			
HOLLOW WALKS (STREETS ONLY)	1	1			
PUBLIC HEARING	1	1			
CONSTRUCTION	1	1	6		
SEWER ENG	1	1			
WATER ENG	1	1			
STREET LIGHTING	1	1			
TRAFFIC ENG	1	1			
DISTRICT	2	2			
MEASURING			1		
FORESTRY	1	1			
UND. GRD. COND.					
WATER DIST.	1	1			
UTILITY COOR.	1	1			
RM 506			6		
PLAN SIZE	12" X 120"				

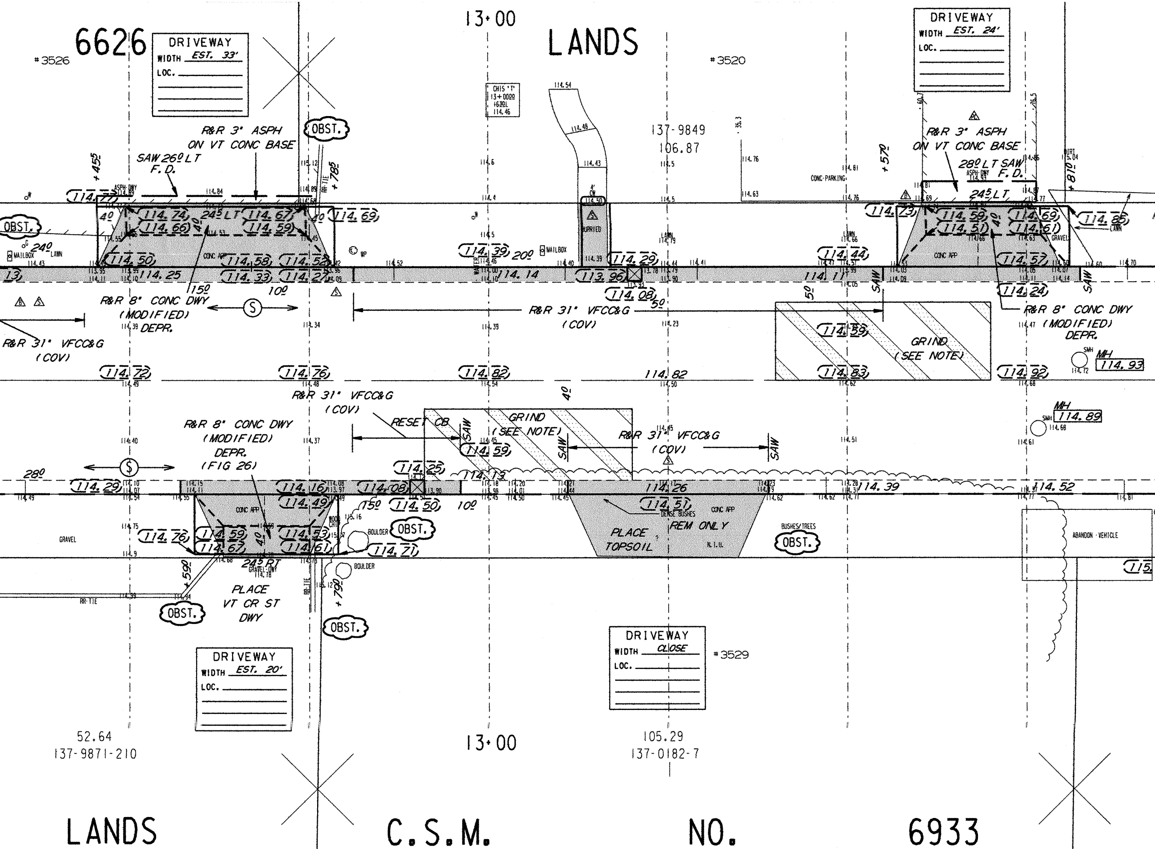
EROSION CONTROL AND C.B. REQUISITION

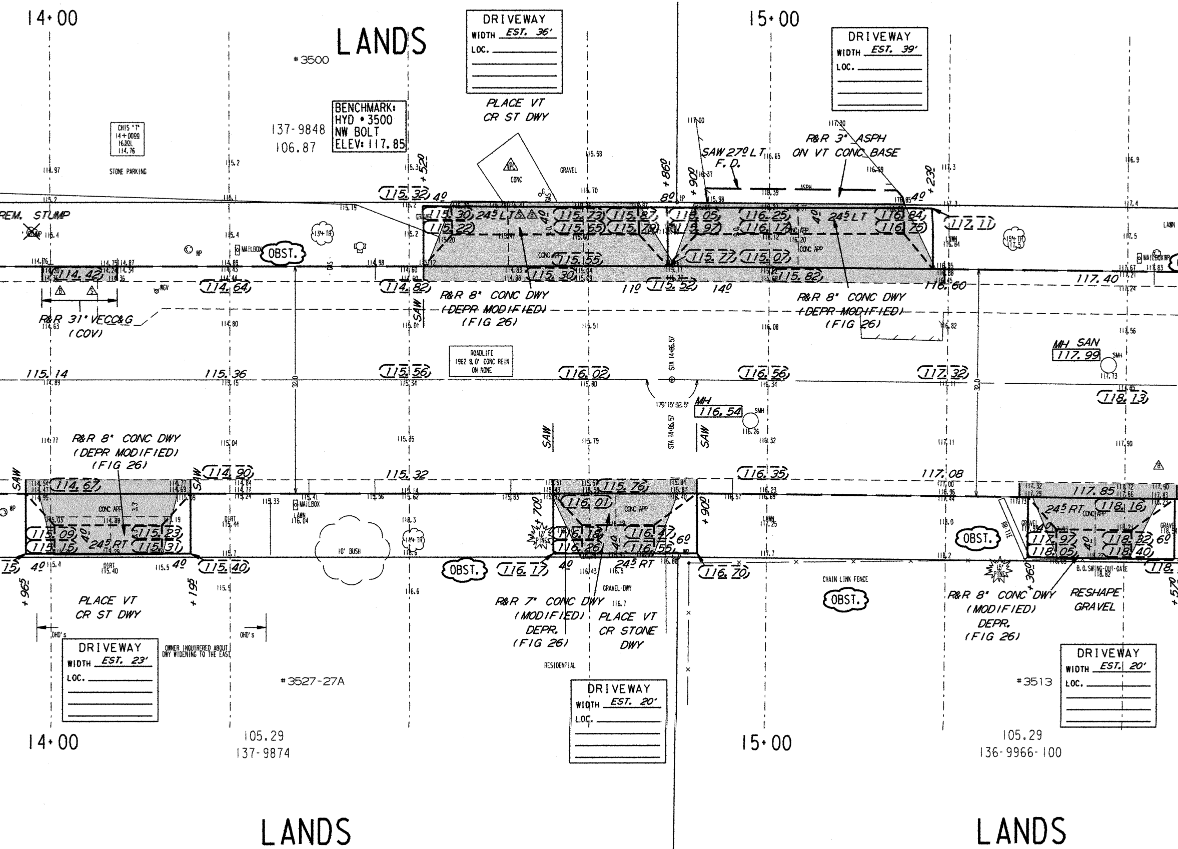
	TYPE M	☒ - CBW	☐ - RESET	✕ - ABANDON	PLAN
THIS SHEET	14	0	14	0	☒
PROJECT TOTAL	18	0	18	0	NO WORK

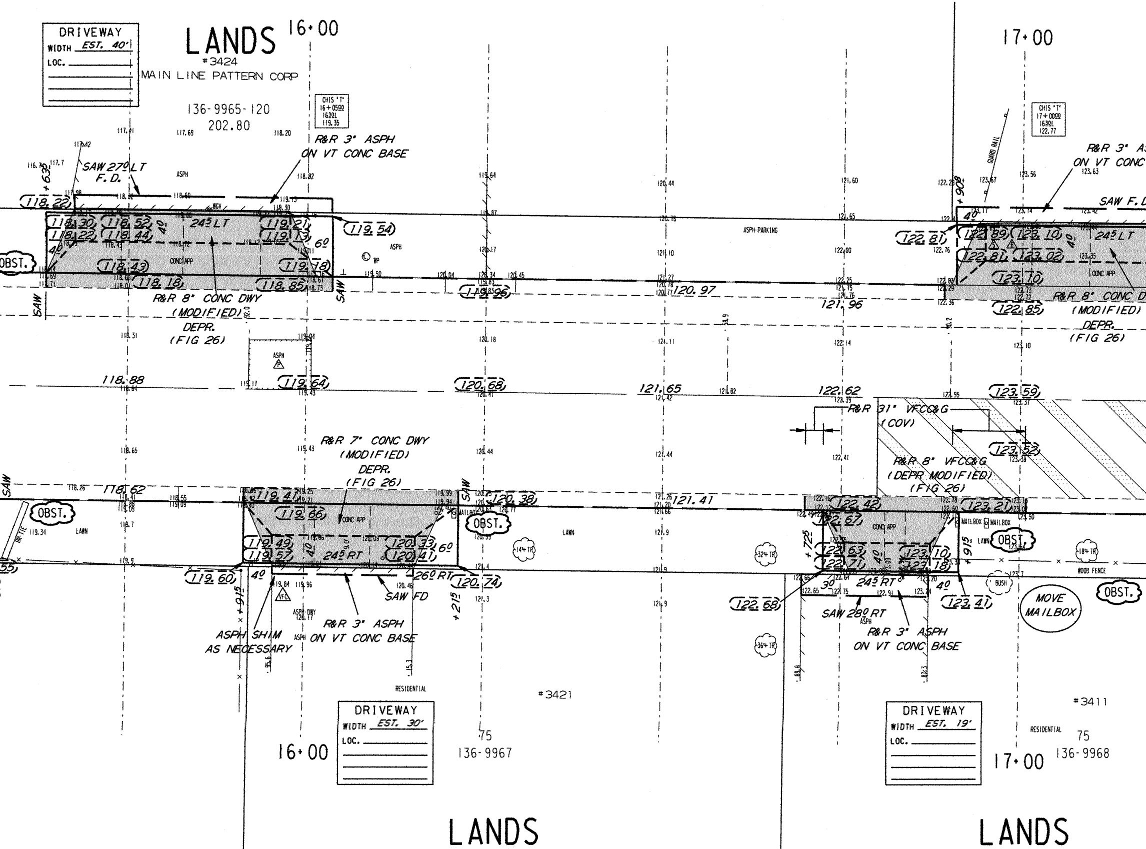
W ELM ST WEST OF N TEUTONIA AVE

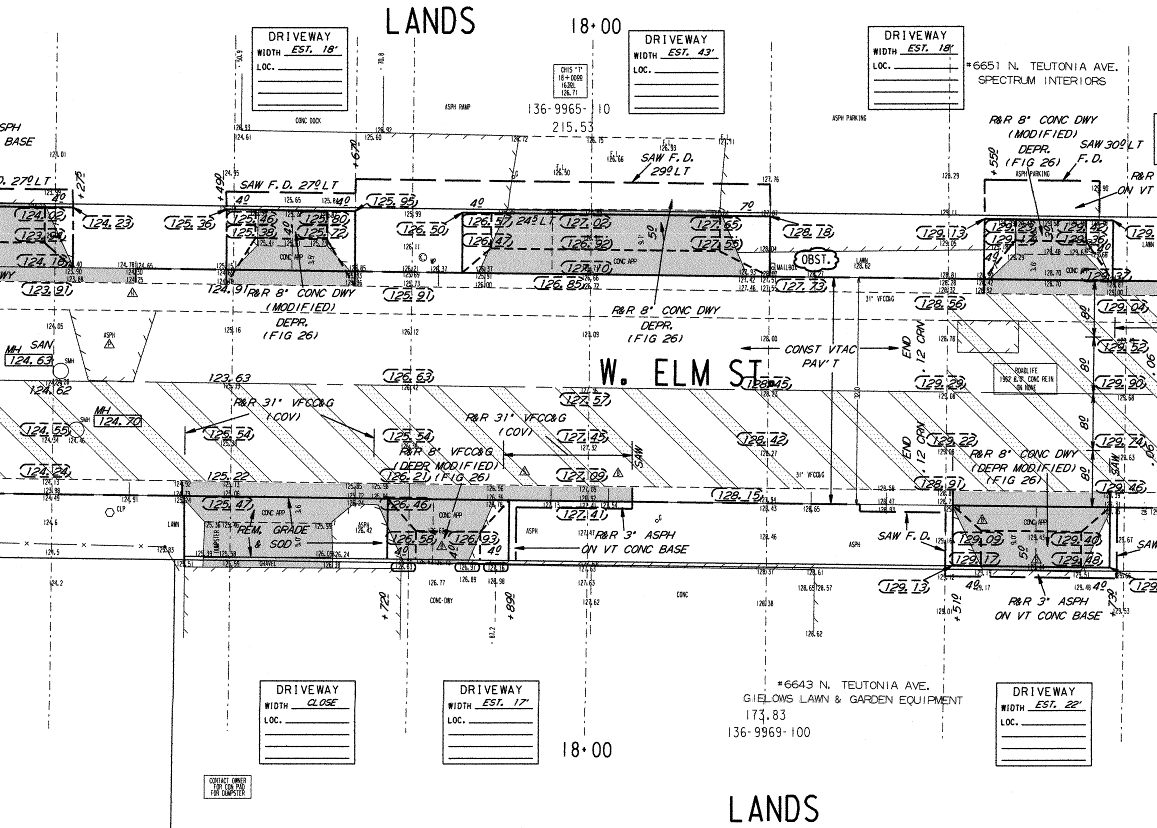
ST211160107 12" X 120" # 29639 (1 OF 2)

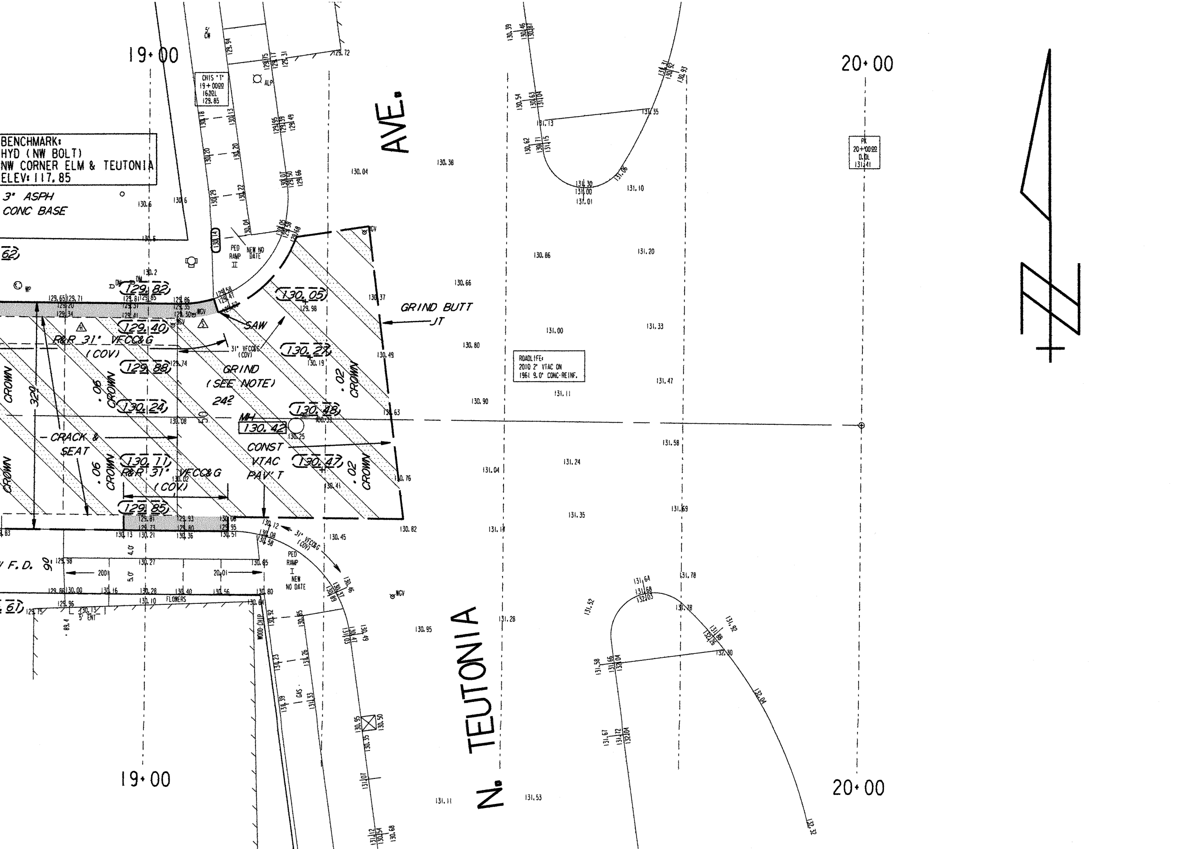

DRIVEWAY
WIDTH EST. 29'
LOC.
#3550
DRIVEWAY
WIDTH EST. 18'
LOC.
WOOD FENCE
NO.
#3534
RESIDENTIAL
12+00
SAME SIZE
DWY PER
D. N. S.
CHIS 'T'
12+00.00
11.30L
114.55
(PAR 2)
137-0172-2
45
(PAR 1)
137-0171-7
115.31
WOOD FENCE
BENCHMARK:
HYD #3534
NW BOLT
ELEV: 116.15
SAW FD
MOVE
HYDRANT
R&R 3" ASPH
ON VT CONC BASE
31.0 LT
+67.0
27.0 LT
10.0
+85.0
4.0
ASPH-DWY
PATIO BLOCK
OBST.
+27.0
WOOD FENCE
OBST.
OBST.
6' BUSH
6' BUSH
MAILBOX
OBST.
LAWN
WATER
114.75
114.66
114.69
114.79
114.63
114.73
114.83
114.44
114.39
114.50
114.53
114.28
114.11
114.06
114.77
114.30
26.0
114.53
114.25
30.0
21.0
R&R 7" CONC DWY
(DEPR MODIFIED)
(FIG 26)
CONC APP
114.18
RESET CB
4.0
CURB HEAD GONE
8.0
.12 CRN
SAW
RESET CB
114.60
ROADLIFE
1962 8.0" CONC REIN
ON NONE
R&R 31" VFCC&G
(COV)
W. ELM ST.
SEE SHEET
1 OF 2
114.81
32.0
114.80
114.80
114.72
114.79
CRACK &
SEAT
R&R 31" VFCC&G
(COV)
R&R 31" VFCC&G
(COV)
8.0
.12 CRN
114.56
R&R 8" CONC DWY
(DEPR MODIFIED)
(FIG 26)
RESET CB
5.0
SAW
20.0
8.0
15.0
10.0
22.0
RESET CB
114.18
SAW
SAW
114.31
114.12
114.09
114.17
114.12
114.01
114.56
CONC APP
114.45
114.41 C
113.99 G
114.11 F
114.43
CONC APP
REM ONLY
N.I.C.
114.59
114.50
114.67
24.5 RT
4.0
116.58
116.67
9.0
GRADE & SOD
GRAVEL
5.0
+53.5
DIRT
LAWN
LAWN
RESHAPE
GRAVEL
SLIDING GATE
CHAIN LINK FENCE
DRIVEWAY
WIDTH EST. 40'
LOC.
DRIVEWAY
WIDTH CLOSE
LOC.
52.65
137-9870-100
12+00
13
S
LANDS


6626
LANDS
#3526
#3520
13+00
DRIVEWAY
WIDTH EST. 33'
LOC.
DRIVEWAY
WIDTH EST. 24'
LOC.
CHIS 'T'
13+0099
+630L
114.46
137-9849
106.87
R&R 3" ASPH
ON VT CONC BASE
SAW 26.0 LT
F.D.
OBST.
+455
+785
+570
+870
28.0 LT SAW
F.D.
24.5 LT
114.77
114.74
114.66
114.67
114.59
114.69
114.50
114.58
114.52
114.25
114.33
114.27
114.39
20.0
114.14
114.29
113.96
114.08
5.0
114.73
114.59
114.51
114.69
114.61
114.85
114.44
114.57
114.17
114.24
4.0
24.0
MAILBOX
LAWN
CONC APP
CONC-PARKING
BURRIED
GRAVEL
15.0
10.0
R&R 8" CONC DWY
(MODIFIED)
DEPR.
R&R 31" VFCC&G
(COV)
SAW
GRIND
(SEE NOTE)
114.59
114.83
MH
114.93
114.72
114.76
114.82
114.82
114.92
MH
114.89
RESET CB
R&R 8" CONC DWY
(MODIFIED)
DEPR.
(FIG 26)
114.59
114.25
114.13
R&R 31" VFCC&G
(COV)
28.0
114.29
114.16
114.49
114.08
114.50
114.26
114.51
114.39
114.52
114.76
114.59
114.67
114.53
114.61
114.71
24.5 RT
+590
+790
PLACE
VT CR ST
DWY
BOULDER
OBST.
PLACE
TOPSOIL
REM ONLY
DENSE BUSHES
BUSHES/TREES
ABANDON VEHICLE
RR-TIE
GRAVEL-DWY
115.
DRIVEWAY
WIDTH EST. 20'
LOC.
DRIVEWAY
WIDTH CLOSE
LOC.
#3529
52.64
137-9871-210
13+00
105.29
137-0182-7
LANDS
C.S.M.
NO.
6933


14+00
15+00
LANDS
#3500
DRIVEWAY
WIDTH EST. 36'
LOC.
PLACE VT
CR ST DWY
DRIVEWAY
WIDTH EST. 39'
LOC.
BENCHMARK:
HYD #3500
NW BOLT
ELEV: 117.85
137-9848
106.87
CHIS "T"
14+0090
16.39L
114.76
STONE PARKING
GRAVEL
CONC
SAW 27º LT
F. D.
R&R 3" ASPH
ON VT CONC BASE
ASPH
+520
+860
+900
+230
REM. STUMP
MAILBOX
OBST.
13" TR
24 5 LT
R&R 8" CONC DWY
(DEPR MODIFIED)
(FIG 26)
R&R 31" VECC&G
(COV)
SAW
115.32
115.30
115.22
115.73
115.87
115.65
115.79
115.55
115.30
116.05
116.25
115.97
116.17
115.77
115.07
116.84
116.75
117.11
115.52
115.82
114.42
114.64
114.82
116.60
117.40
CONC APP
ROADLIFE
1962 8.0" CONC REIN
ON NONE
MH SAN
117.99
SMH
115.14
115.36
115.56
116.02
116.56
117.32
118.13
STA 14+86.57
179°15'52.5"
MH
116.54
R&R 8" CONC DWY
(DEPR MODIFIED)
(FIG 26)
114.90
114.67
115.32
116.35
115.76
116.01
117.08
117.85
118.16
115.09
115.15
115.23
115.31
24 5 RT
116.18
116.26
116.47
116.55
117.97
118.05
118.32
118.40
115.40
116.17
116.70
+965
+195
+700
+900
+360
10' BUSH
14" TR
13" PINE
15" PINE
OBST.
CHAIN LINK FENCE
DIRT
LAWN
GRAVEL DWY
B.O. SWING-OUT-GATE
PLACE VT
CR ST DWY
R&R 7" CONC DWY
(MODIFIED)
DEPR.
(FIG 26)
PLACE VT
CR STONE
DWY
R&R 8" CONC DWY
(MODIFIED)
DEPR.
(FIG 26)
RESHAPE
GRAVEL
OHD's
OWNER INQUIRERED ABOUT
DWY WIDENING TO THE EAST
DRIVEWAY
WIDTH EST. 23'
LOC.
#3527-27A
RESIDENTIAL
DRIVEWAY
WIDTH EST. 20'
LOC.
#3513
DRIVEWAY
WIDTH EST. 20'
LOC.
105.29
137-9874
105.29
136-9966-100
LANDS


DRIVEWAY
WIDTH EST. 40'
LOC.
LANDS
#3424
MAIN LINE PATTERN CORP
136-9965-120
202.80
16+00
CHIS 'T'
16+0500
1630L
119.35
R&R 3" ASPH
ON VT CONC BASE
SAW 27º LT
F.D.
ASPH
+63º
118.22
118.30
118.52
118.22
118.44
24⁵ LT
119.21
119.54
6º
4º
OBST.
118.43
118.18
118.85
119.78
CONC APP
SAW
R&R 8" CONC DWY
(MODIFIED)
DEPR.
(FIG 26)
ASPH
120.96
120.97
121.96
ASPH-PARKING
118.88
119.64
120.68
121.65
122.62
R&R 31" VFCC&G
(COV)
R&R 8" VFCC&G
(DEPR MODIFIED)
(FIG 26)
R&R 7" CONC DWY
(MODIFIED)
DEPR.
(FIG 26)
118.62
119.41
119.66
120.38
121.41
LAWN
OBST.
MAILBOX
119.49
119.57
24⁵ RT
120.33
120.41
6º
119.60
4º
26º RT
120.74
SAW FD
+91⁵
+21⁵
ASPH SHIM
AS NECESSARY
R&R 3" ASPH
ON VT CONC BASE
ASPH DWY
RESIDENTIAL
DRIVEWAY
WIDTH EST. 30'
LOC.
16+00
#3421
75
136-9967
LANDS
17+00
CHIS 'T'
17+0000
1630L
122.77
GUARD RAIL
+90⁸
R&R 3" AS
ON VT CONC
SAW F.D
4º
122.81
122.89
123.10
122.81
123.02
24⁵ LT
123.10
CONC APP
122.85
R&R 8" CONC D
(MODIFIED)
DEPR.
(FIG 26)
123.59
123.52
122.42
123.21
122.67
+72⁵
122.63
122.71
123.10
123.18
24⁵ RT
3º
4º
+91⁵
OBST.
122.68
123.41
SAW 28º RT
R&R 3" ASPH
ON VT CONC BASE
MOVE
MAILBOX
OBST.
WOOD FENCE
BUSH
DRIVEWAY
WIDTH EST. 19'
LOC.
17+00
#3411
RESIDENTIAL
75
136-9968
LANDS


LANDS
18+00
DRIVEWAY
WIDTH EST. 18'
LOC.
DRIVEWAY
WIDTH EST. 43'
LOC.
DRIVEWAY
WIDTH EST. 18'
LOC.
#6651 N. TEUTONIA AVE.
SPECTRUM INTERIORS
CHIS 'T'
18+00.00
16.30L
126.71
136-9965-110
215.53
ASPH RAMP
CONC DOCK
ASPH PARKING
SPH
BASE
SAW F.D. 27º LT
SAW F.D. 29º LT
R&R 8" CONC DWY
(MODIFIED)
DEPR.
(FIG 26)
SAW 30º LT
F.D.
R&R
ON VT
OBST.
MAILBOX
LAWN
CONC APP
R&R 8" CONC DWY
(MODIFIED)
DEPR.
(FIG 26)
R&R 8" CONC DWY
DEPR.
(FIG 26)
CONST VTAC
PAV'T
END 12 CRN
W. ELM ST.
MH SAN
124.63
SMH
MH
124.70
ASPH
ROADLIFE
1962 8.0" CONC REIN
ON NONE
R&R 31" VFCC&G
(COV)
R&R 31" VFCC&G
(COV)
R&R 8" VFCC&G
(DEPR MODIFIED)
(FIG 26)
31" VFCC&G
SAW
R&R 8" CONC DWY
(DEPR MODIFIED)
(FIG 26)
REM. GRADE
& SOD
DUMPSTER
GRAVEL
CLP
LAWN
ASPH
R&R 3" ASPH
ON VT CONC BASE
SAW F.D.
R&R 3" ASPH
ON VT CONC BASE
CONC-DWY
CONC
+275
+490
+670
+550
+720
+890
+510
+730
DRIVEWAY
WIDTH CLOSE
LOC.
DRIVEWAY
WIDTH EST. 17'
LOC.
18+00
#6643 N. TEUTONIA AVE.
GIELOWS LAWN & GARDEN EQUIPMENT
173.83
136-9969-100
DRIVEWAY
WIDTH EST. 22'
LOC.
CONTACT OWNER
FOR CON PAD
FOR DUMPSTER
LANDS
124.02
123.91
124.23
125.36
125.46
125.38
125.80
125.72
125.95
126.50
126.57
126.47
127.02
126.92
127.10
126.85
127.65
127.55
128.18
127.73
125.91
124.91
129.13
129.04
128.56
129.52
129.29
129.90
128.45
126.63
127.57
124.62
124.55
124.24
125.54
125.54
127.45
128.42
129.22
129.74
125.22
126.21
127.09
128.91
129.46
128.15
125.47
126.46
127.41
126.58
126.93
129.09
129.40
129.17
129.48
129.13


19+00
20+00
BENCHMARK:
HYD (NW BOLT)
NW CORNER ELM & TEUTONIA
ELEV: 117.85
3" ASPH
CONC BASE
AVE.
N. TEUTONIA
CHIS "T"
19+00
16.30L
129.85
PK
20+00
0.0L
131.41
ROADLIFE:
2010 2" VTAC ON
1961 9.0" CONC-REINF.
GRIND BUTT JT
SAW
R&R 31" VFCC&G (COV)
31" VFCC&G (COV)
GRIND (SEE NOTE)
242
MH
130.42
CRACK & SEAT
CONST VTAC PAV'T
CROWN
.06
.02
320
PED RAMP II
NEW NO DATE
PED RAMP I
NEW NO DATE
129.82
129.40
129.88
130.24
130.05
130.27
130.48
130.47
130.71
129.85
ALP
WP
WCV
FLOWERS
WOOD CHIP
GAS
5' ENT
F.D.
4.0'
5.0'
20.01
200

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

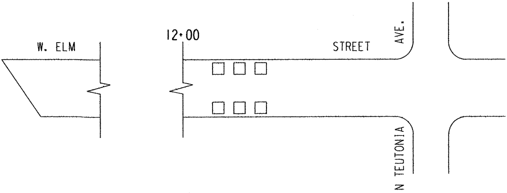
ESTIMATE / CERTIFICATE QUANTITIES

	DESCRIPTION	UNIT	ASSESS.	X-ING		PLAN ONE TOTAL	PLAN TWO TOTAL	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.						
	CONCRETE PAVEMENT	S.Y.						
	7' CONCRETE ALLEY PAVEMENT	S.Y.						
	V.T. CONCRETE BASE	C.Y.						
	8' 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	S.F.						
	V.T. CR STONE DWY.	TON						
	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.					950	

DEPARTMENT OF PUBLIC WORKS INFRASTRUCTURE SERVICES DIVISION FIELD OPERATIONS FIELD & DESIGN ENGINEERING MILWAUKEE, WISCONSIN			FILE NO. 302		
PLAN OF: W ELM ST WEST OF N TEUTONIA AVE (6700 N, 3500 W)					
N. TEUTONIA AVE. TO A PT. 1600' +/- WEST OF N. TEUTONIA AVE					
THIS SECTION: STATION 12+00 TO N. TEUTONIA AVE.					
DRAWN BY	MICHAEL LEE	DATE: 8/3/15	PROJECT NO.		
DESCRIPTIONS BY	MICHAEL LEE	DATE: 8/3/15	ST211160107	SHEET 2 OF 2	
LEVELS BY	SILESHI	DATE: 7/6/15	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY	SILESHI	DATE: 7/6/15	1" = 10'	136,137	1
DESIGNED BY	M. SCHULTZ	DATE: 8/17/15	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	MICHAEL LEE	DATE: 10/1/15	REVISED: 5-12-16 DELETE CW N/S		
CHECKED BY	D. Ulatowski	DATE: 6/27/16	REVISED:		
APPROVED BY		DATE: 6/27/16	REVISED:		
FILE: V:\PWELIB\PAVING\29639.FIN					
PLOT DATE: 08-JUN-2016					

THIS SHEET

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


W. ELM
12+00
STREET
AVE.
N TEUTONIA

TO \ DATE	11-17-15	6-27-16	7-19-16		
ESTIMATING	1	1			
HOLLOW WALKS (STREETS ONLY)	1	1			
PUBLIC HEARING	1	1			
CONSTRUCTION	1	1	6		
SEWER ENG	1	1			
WATER ENG	1	1			
STREET LIGHTING	1	1			
TRAFFIC ENG	1	1			
DISTRICT	2	2			
MEASURING			1		
FORESTRY	1	1			
UND. GRD. COND.					
WATER DIST.	1	1			
UTILITY COOR.	1	1			
RM 506			6		
PLAN SIZE	18' X 120'				

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

W ELM ST WEST OF N TEUTONIA AVE (2 OF 2)

ST211160107 12" X 120" 29639 #