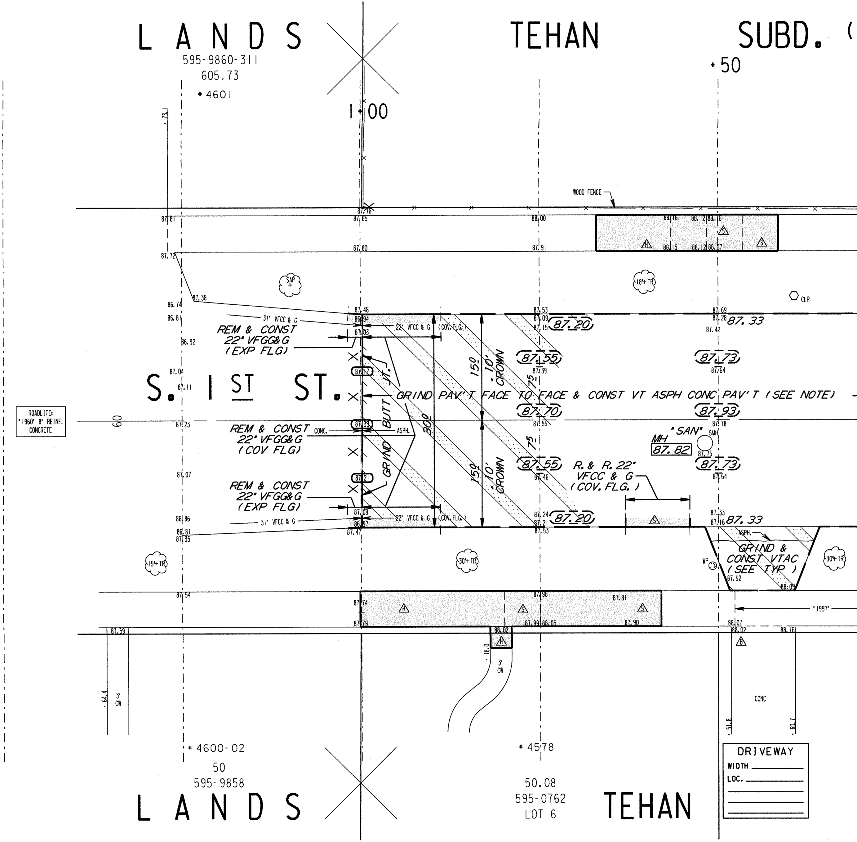
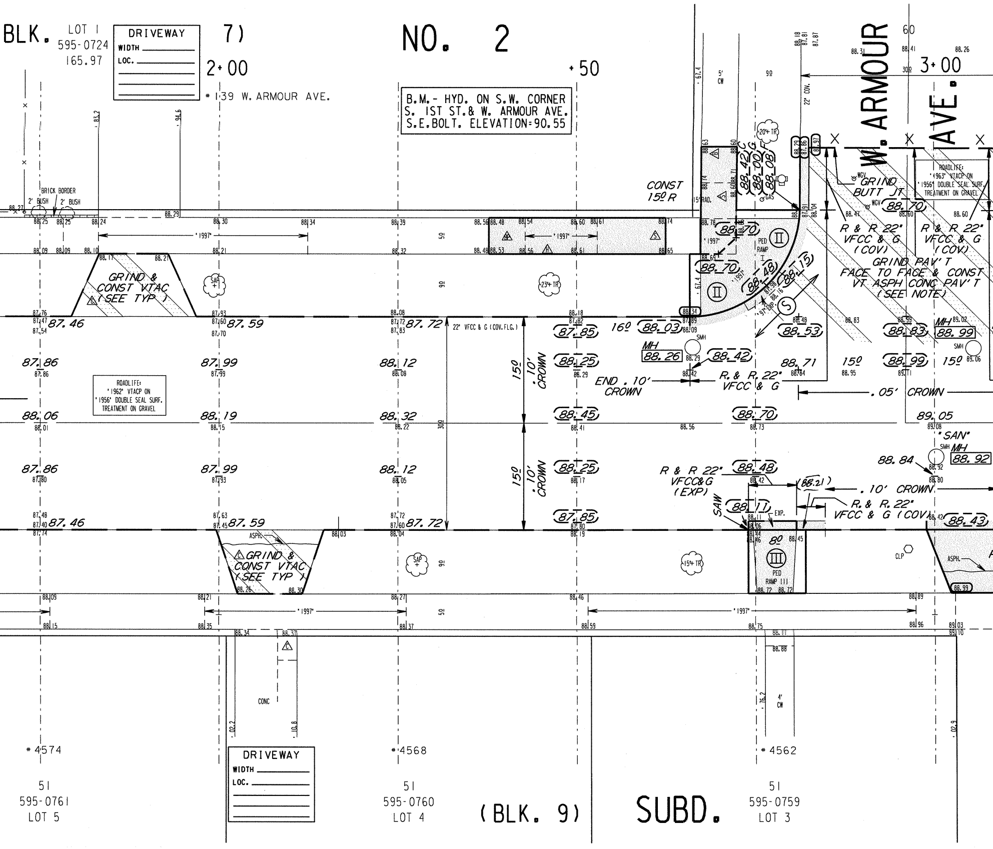
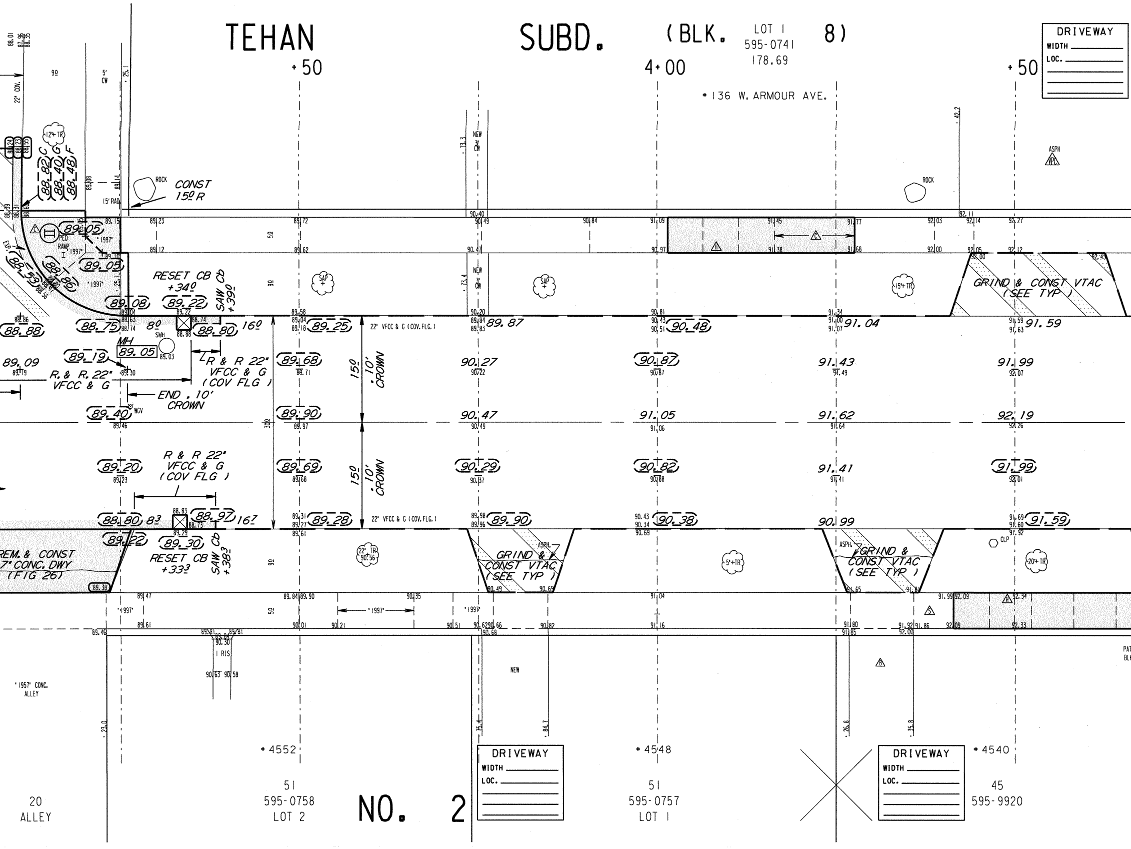
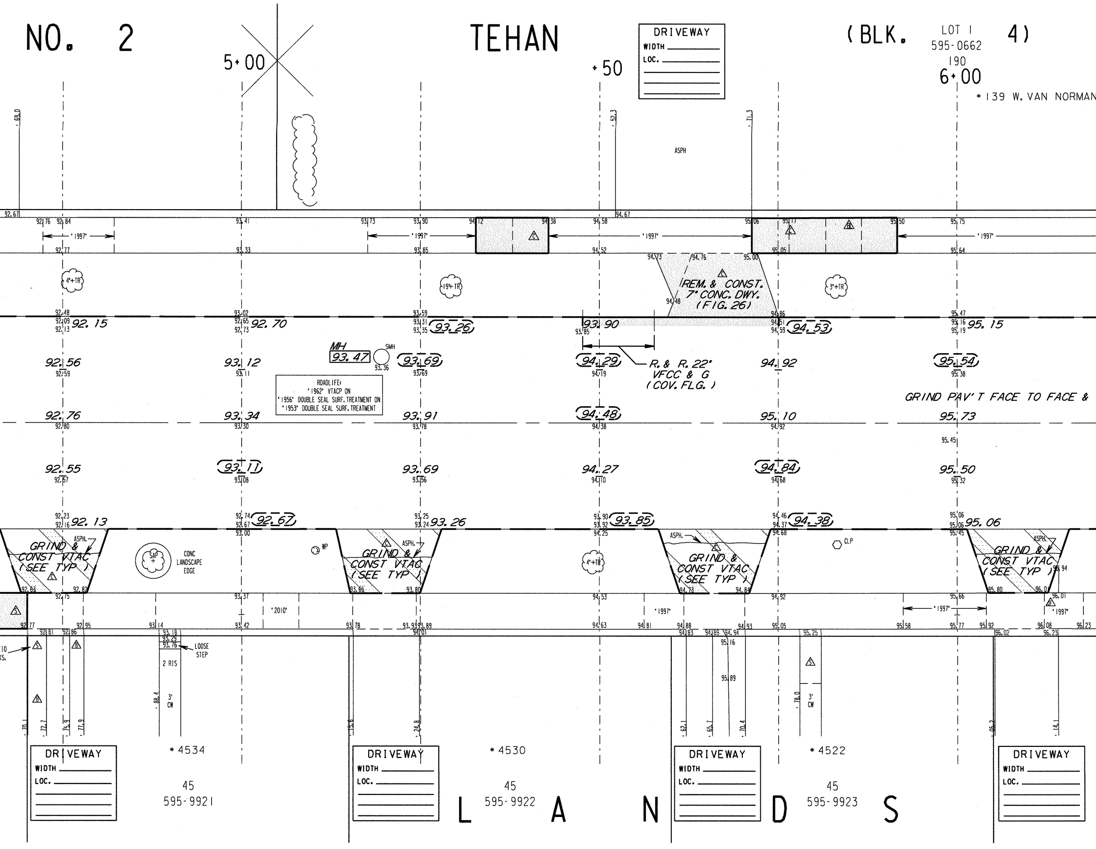
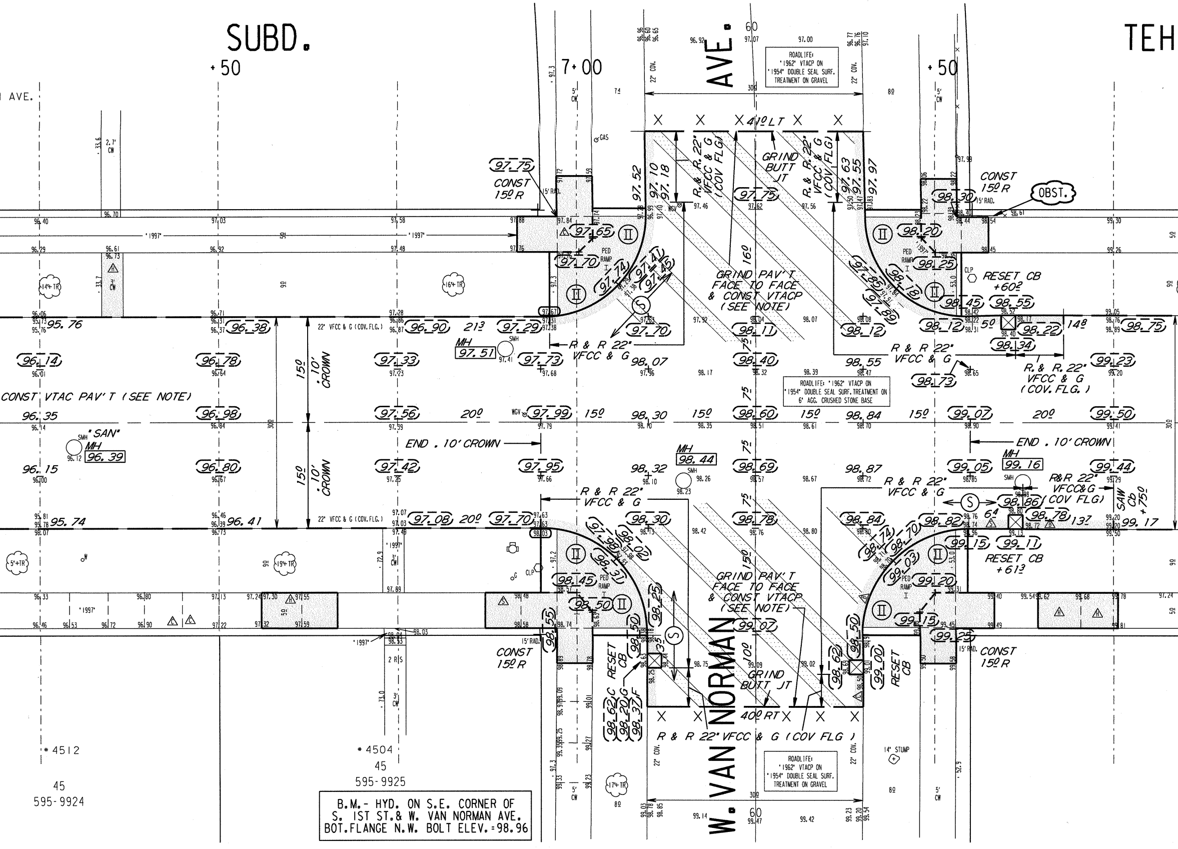

LANDS
595-9860-311
605.73
* 4601
1+00
TEHAN
SUBD.
+50
WOOD FENCE
S. 1ST ST.
ROADLIFE: "1960" 8" REINF. CONCRETE
60
REM & CONST 22" VFGG&G (EXP FLG)
REM & CONST 22" VFGG&G (COV FLG)
REM & CONST 22" VFGG&G (EXP FLG)
31' VFCC & G
22' VFCC & G
(COV. FLG.)
CONC.
ASPH.
BUTT JT.
GRIND
GRIND PAV'T FACE TO FACE & CONST VT ASPH CONC PAV'T (SEE NOTE)
15'
10' CROWN
7.5'
30'
87.20
87.55
87.70
87.33
87.73
87.93
"SAN" MH
87.82
SMH
R. & R. 22" VFCC & G (COV. FLG.)
GRIND & CONST VTAC (SEE TYP)
ASPH.
WP
SAP
18"+ TR
15"+ TR
30"+ TR
CLP
"1997"
3' CW
18.0
64.4
51.8
60.7
CONC
* 4600-02
50
595-9858
LANDS
* 4578
50.08
595-0762
LOT 6
TEHAN
DRIVEWAY
WIDTH
LOC.



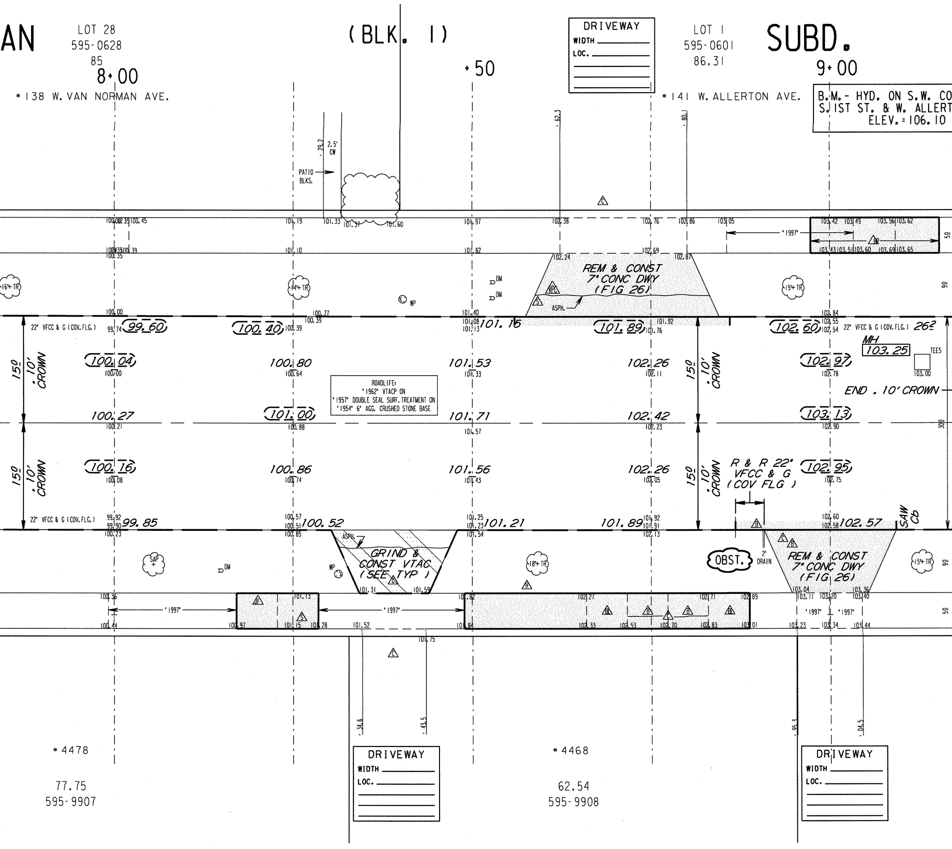

TEHAN SUBD. (BLK. 8)
LOT 1
595-0741
178.69
+50
4+00
+50
* 136 W. ARMOUR AVE.
DRIVEWAY
WIDTH
LOC.
CONST 15' R
ROCK
15' RAD.
5' CW
22' COV.
12"+ TR
NEW 5' CW
ASPH
VPC
PED RAMP
'1997'
RESET CB +34'
SAW Cb +39'
89.05
89.08
89.22
88.75
88.80
88.88
8'
16'
SMH
MH
89.05
89.19
89.09
R. & R. 22" VFCC & G
R & R 22" VFCC & G (COV FLG)
END . 10' CROWN
WGV
89.40
89.68
89.90
89.69
89.28
89.25
22" VFCC & G (COV. FLG.)
15'
10' CROWN
30'
89.87
90.27
90.47
90.29
89.90
90.48
90.87
91.05
90.82
90.38
91.04
91.43
91.62
91.41
90.99
91.59
91.99
92.19
91.99
91.59
SAP
15"+ TR
GRIND & CONST VTAC (SEE TYP)
REM. & CONST 7" CONC. DWY (FIG 26)
89.20
88.80
8'
88.97
16'
89.22
89.30
RESET CB +33'
SAW Cb +38'
22" TR 90.56
5"+TR
20"+ TR
CLP
GRIND & CONST VTAC (SEE TYP)
ASPH.
1 RIS
'1957' CONC. ALLEY
NEW
* 4552
51
595-0758
LOT 2
NO. 2
* 4548
51
595-0757
LOT 1
* 4540
45
595-9920
20
ALLEY
PAT
BLK

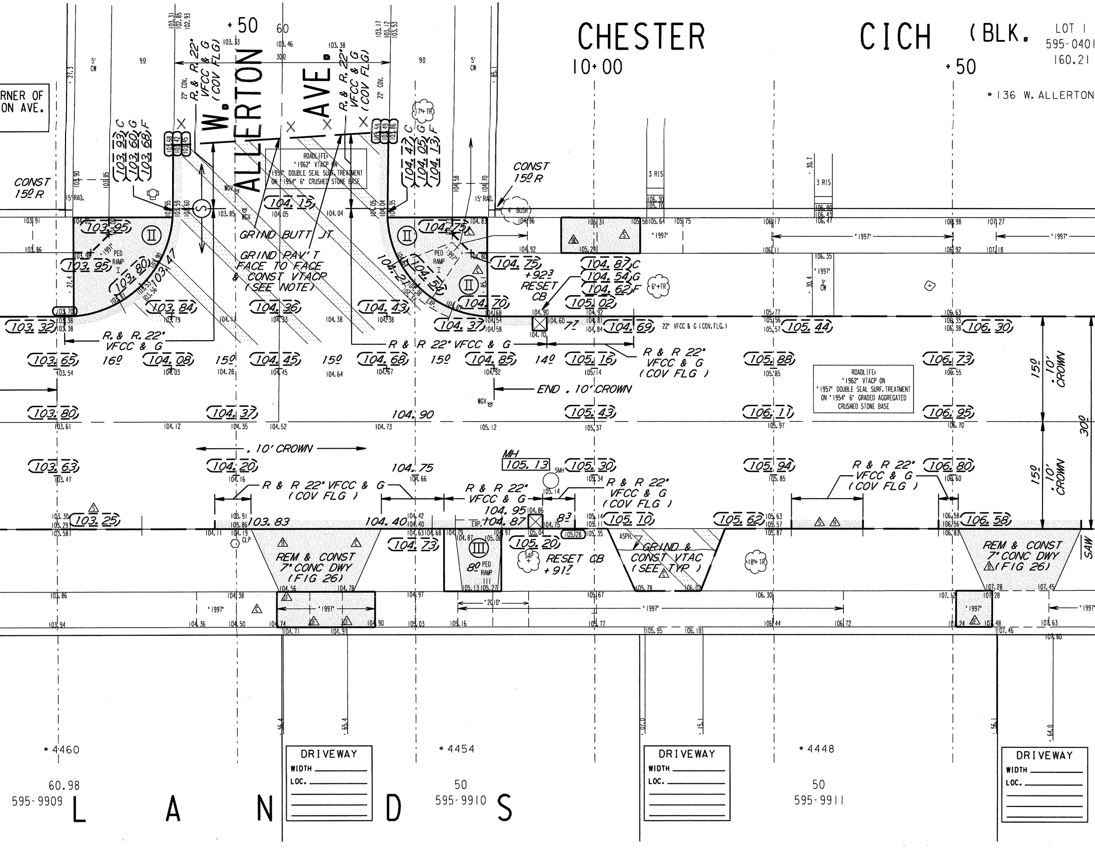

NO. 2
TEHAN
(BLK. 4)
LOT 1
595-0662
190
5+00
+50
6+00
*139 W. VAN NORMAN
DRIVEWAY
WIDTH
LOC.
ASPH
'1997'
REM. & CONST. 7" CONC. DWY. (FIG. 26)
R. & R. 22' VFCC & G (COV. FLG.)
MH 93.47
SMH
ROADLIFE:
'1962' VTACP ON
'1956' DOUBLE SEAL SURF. TREATMENT ON
'1953' DOUBLE SEAL SURF. TREATMENT
GRIND PAV'T FACE TO FACE &
92.15
92.70
93.26
93.90
94.53
95.15
92.56
93.12
93.69
94.29
94.92
95.54
92.76
93.34
93.91
94.48
95.10
95.73
92.55
93.11
93.69
94.27
94.84
95.50
92.13
92.67
93.26
93.85
94.38
95.06
GRIND & CONST VTAC (SEE TYP)
CONC LANDSCAPE EDGE
SAP
WP
CLP
4'+TR
19'+TR
3'+TR
'2010'
LOOSE STEP
2 RIS
3' CW
*4534
45
595-9921
*4530
45
595-9922
*4522
45
595-9923
L A N D S

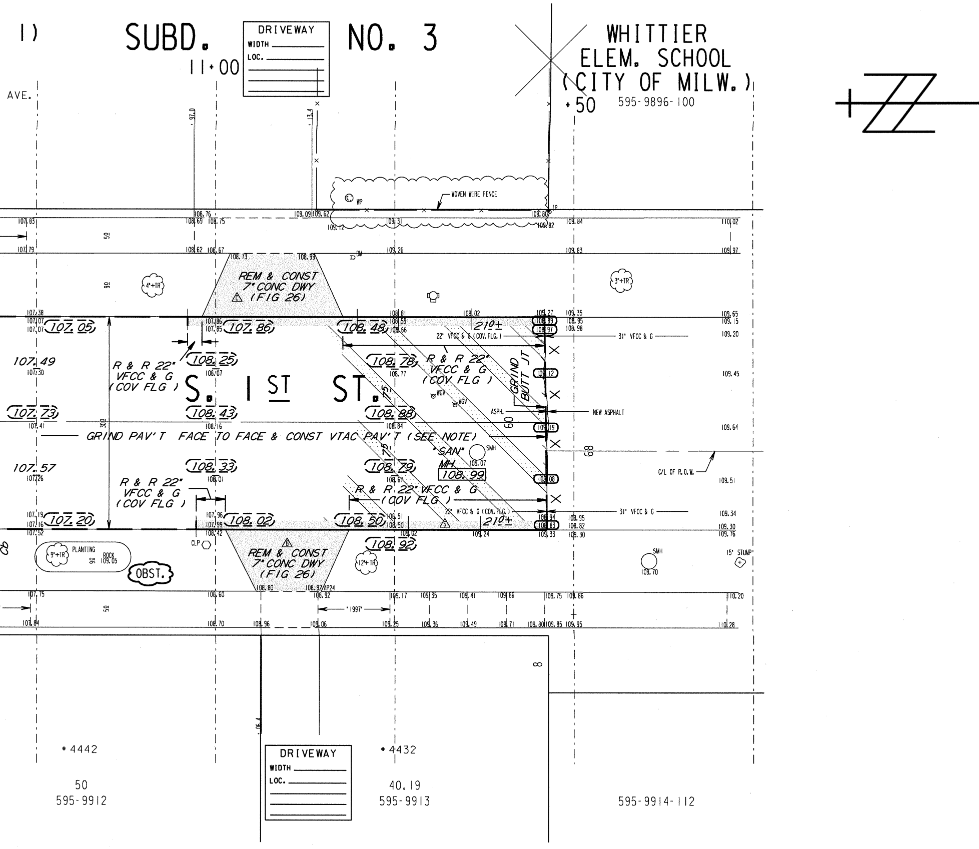


SUBD.
TEH
AVE.
+50
7+00
+50
W. VAN NORMAN AVE.
60
30º
4½ LT
40º RT
GRIND BUTT JT
R. & R. 22" VFCC & G (COV FLG)
R & R 22" VFCC & G
R & R 22" VFCC & G (COV FLG)
R & R 22" VFCC & G (COV. FLG.)
R&R 22" VFCC&G (COV FLG)
CONST 15º R
15' RAD.
PED RAMP
GRIND PAV'T FACE TO FACE & CONST VTACP (SEE NOTE)
CONST VTAC PAV'T (SEE NOTE)
ROADLIFE: '1962' VTACP ON '1954' DOUBLE SEAL SURF. TREATMENT ON GRAVEL
ROADLIFE: '1962' VTACP ON '1954' DOUBLE SEAL SURF. TREATMENT ON 6" AGG. CRUSHED STONE BASE
END. 10' CROWN
15º 10' CROWN
22' VFCC & G (COV. FLG.)
22' COV.
RESET CB +60²
RESET CB +61³
RESET CB
SAW Cb +75º
OBST.
MH 97.51
MH 98.44
MH 99.16
"SAN" MH 96.39
SMH
CLP
WGV
GAS
'1997'
14" TR
16" TR
19" TR
17" TR
5"+TR
14" STUMP
5' CW
3' CW
2.7' CW
2 R|S
*4512
45
595-9924
*4504
45
595-9925
96.14
96.78
97.33
97.73
98.07
98.40
98.55
98.73
99.23
96.35
96.98
97.56
20º
97.99
15º
98.30
98.60
98.84
99.07
99.50
96.15
96.80
97.42
97.95
98.32
98.69
98.87
99.05
99.44
95.76
96.38
96.90
21³
97.29
97.70
98.11
98.12
50
98.22
14⁸
98.75
95.74
96.41
97.08
97.70
98.30
98.78
98.84
98.82
98.86
98.78
13⁷
99.17
97.75
97.65
97.70
97.74
97.41
97.45
97.52
97.10
97.18
97.63
97.55
97.97
98.30
98.20
98.25
97.85
98.18
97.89
98.45
98.55
98.34
98.45
98.50
98.55
98.31
98.02
97.98
98.25
98.50
98.35
98.62 C
98.20 G
98.37 F
99.07
98.62
98.50
99.00
99.03
98.74
98.70
99.15
99.11
99.20
99.13
99.25
I
II

B.M.- HYD. ON S.E. CORNER OF
S. 1ST ST.& W. VAN NORMAN AVE.
BOT.FLANGE N.W. BOLT ELEV.=98.96

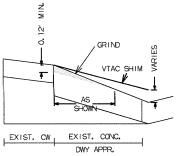

AN
LOT 28
595-0628
85
8+00
(BLK. I)
+50
DRIVEWAY
WIDTH
LOC.
LOT I
595-0601
86.31
SUBD.
9+00
# 138 W. VAN NORMAN AVE.
# 141 W. ALLERTON AVE.
B.M.- HYD. ON S.W. CO
S. IST ST. & W. ALLERT
ELEV.=106.10
PATIO BLKS.
29.2
2.5' CW
62.3
80.1
'1997'
REM & CONST 7" CONC DWY (FIG 26)
ASPH.
16+ TR
14+ TR
15+ TR
18+ TR
SAP
WP
DM
22" VFCC & G (COV. FLG.)
99.60
100.40
101.15
101.89
102.60
26²
MH
103.25
TEES
103.00
15⁰
.10' CROWN
100.04
100.80
101.53
102.26
102.97
END .10' CROWN
ROADLIFE:
'1962' VTACP ON
'1957' DOUBLE SEAL SURF. TREATMENT ON
'1954' 6" AGG. CRUSHED STONE BASE
100.27
101.00
101.71
102.42
103.13
30⁰
100.16
100.86
101.56
102.26
102.95
R & R 22" VFCC & G (COV FLG)
99.85
100.52
101.21
101.89
102.57
SAW Cb
GRIND & CONST VTAC (SEE TYP)
OBST.
2' DRAIN
REM & CONST 7" CONC DWY (FIG 26)
5⁰
9⁰
34.6
43.5
95.3
04.5
# 4478
77.75
595-9907
# 4468
62.54
595-9908
DRIVEWAY
WIDTH
LOC.
DRIVEWAY
WIDTH
LOC.


CHESTER
CICH
(BLK.
LOT I
595-040I
160.21
10+00
+50
+50
60
* 136 W. ALLERTON
RNER OF
ON AVE.
W. ALLERTON AVE.
R. & R. 22" VFCC & G (COV FLG)
22' COV.
5' CW
9º
30º
15' RAD.
CONST 15º R
103.23 C
103.60 G
103.68 F
104.47 C
104.05 G
104.13 F
ROADLIFE:
'1962' VTACP ON
'1957' DOUBLE SEAL SURF. TREATMENT
ON '1954' 6' CRUSHED STONE BASE
104.15
GRIND BUTT JT
GRIND PAV'T FACE TO FACE & CONST VTACP (SEE NOTE)
PED RAMP I
PED RAMP II
'1997'
103.95
104.75
+92³
RESET CB
104.87 C
104.54 G
104.62 F
105.02
104.70
104.37
104.69
22' VFCC & G (COV. FLG.)
105.44
106.30
3 RIS
R. & R. 22" VFCC & G
R & R 22" VFCC & G
R & R 22" VFCC & G (COV FLG)
16º
15º
14º
103.65
104.08
104.45
104.68
104.85
105.16
105.88
106.73
END . 10' CROWN
ROADLIFE:
'1962' VTACP ON
'1957' DOUBLE SEAL SURF. TREATMENT
ON '1954' 6' GRADED AGGREGATED
CRUSHED STONE BASE
103.80
104.37
104.90
105.43
106.11
106.95
. 10' CROWN
15º . 10' CROWN
30º
MH 105.13
SMH
103.63
104.20
104.75
105.30
105.94
106.80
103.25
103.83
104.40
104.95
104.87
8³
105.10
105.62
106.58
104.73
105.20
REM & CONST 7" CONC DWY (FIG 26)
80º PED RAMP III
RESET CB +91⁷
GRIND & CONST VTAC (SEE TYP)
ASPH.
SAW
'2010'
'1997'
CLP
WGV
SAP
6'+TR
17"+TR
18"+TR
4' BUSH
* 4460
60.98
595-9909
* 4454
50
595-9910
* 4448
50
595-9911
L A N D S
DRIVEWAY
WIDTH
LOC.


1)
SUBD.
NO. 3
11+00
DRIVEWAY
WIDTH
LOC.
WHITTIER
ELEM. SCHOOL
(CITY OF MILW.)
+50
595-9896-100
AVE.
WOVEN WIRE FENCE
WP
IP
DM
REM & CONST
7" CONC DWY
(FIG 26)
S. 1 ST ST.
R & R 22"
VFCC & G
(COV FLG)
GRIND
BUTT JT
22' VFCC & G (COV. FLG.)
31' VFCC & G
210±
ASPH.
NEW ASPHALT
GRIND PAV'T FACE TO FACE & CONST VTAC PAV'T (SEE NOTE)
"SAN"
MH
108.99
SMH
C/L OF R.O.W.
WGV
60
68
75
PLANTING
ROCK
OBST.
CLP
15' STUMP
1997
4'+TR
3'+TR
9'+TR
12'+TR
107.49
107.57
107.05
107.86
108.48
108.25
108.78
107.73
108.43
108.88
108.33
108.79
107.20
108.02
108.50
108.92
109.89
108.97
109.12
109.19
109.08
108.83
#4442
50
595-9912
#4432
40.19
595-9913
595-9914-112
8

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.*
- *IN AREAS OF GRINDING, GRIND TO ACHIEVE .12' MINIMUM COVER AT GUTTER, .17' AT BUTT JOINTS, AND .21' MINIMUM ELSEWHERE.*
- *PROJECT IS DESIGNED TO BE CONSTRUCTED IN TWO EQUAL PASSES WITH A .10' CROWN IN EACH PASS, REDUCING THROUGH THE INTERSECTIONS.*
- *PITCH FLANGE .08' UNLESS OTHERWISE SHOWN.*
- *INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED "SAN" (SANITARY).*


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

TYPICAL SECTION
ASPHALT SHIM ON DRIVEWAYS

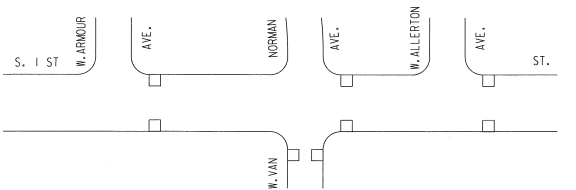
CONDITION OF CONCRETE	
B	BROKEN
BL	BLUE LINED
BP	BACK PITCHED
C	CRACKED
H	HEAVED
JF	JOINT FAILURE
MJ	MUD JACKED
P	PATCHED
PC	POOR CONDITION
S	SETTLED
SP	SPALLED
VGC	VERY GOOD
VPC	VERY POOR

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.						
☒	22' V.F. CONCRETE CURB & GUTTER	L.F.						
	V.T. CONC. WALK &/OR DRIVEWAY	C.Y.						
☒	5" CONCRETE WALK	S.F.						
☒	22" V.F.C.C.& G. (T-II)	L.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						

DEPARTMENT OF PUBLIC WORKS INFRASTRUCTURE SERVICES DIVISION FIELD OPERATIONS FIELD & DESIGN ENGINEERING MILWAUKEE, WISCONSIN					FILE NO. 121
PLAN OF:	S. 1 ST ST.			(100W, 4600S)	
A PT. 170' ± S. OF W. ARMOUR AVE. TO A PT. 160' ± N. OF W. ALLERTON AVE.					
THIS SECTION:					
DRAWN BY	M. VOJVODICH	DATE: 3-18-09	PROJECT NO.		
DESCRIPTIONS BY	M. VOJVODICH	DATE: 3-18-09	ST211100101	SHEET 1 OF 1	
LEVELS BY	A. SCHAAFSMA	DATE: 5-07-09	SCALE	1/4 SEC.	ALD. DIST.
LEVELS TRANSF. BY	M. VOJVODICH	DATE: 5-19-09	1" = 10'	595	13
DESIGNED BY	K. CHOI	DATE: 8-17-09	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	M. VOJVODICH	DATE: 1-11-10	REVISED: 11-7-2012 M. MANHARDT		
CHECKED BY	D. Ulahah	DATE: 12/7/12	REVISED:		
APPROVED BY		DATE: 12/7/12	REVISED:		
FILE: V:\PWELIB\PAVING\28930.FIN					
PLOT DATE: 04-DEC-2012					

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


S. 1 ST
W. ARMOUR
AVE.
NORMAN
AVE.
W. ALLERTON
AVE.
ST.
W. VAN

TO \ DATE	12/7/12	7/17/13			
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					
WEPCO S/S	1				
SEWER SERVICES					
UTILITY COOR.	1				
Traffic Eng	1				
RM 506		15			
PLAN SIZE	12' X 147'				

EROSION CONTROL AND C.B. REQUISITION PLAN

TYPE M	☒ - CBW	☐ - RESET	× - ABANDON	☒
8	0	8	0	NO WORK

S. 1 ST ST.-A PT. 170'±S. OF W. ARMOUR AVE. TO A PT. 160'±N. OF W. ALLERTON AVE. (1 OF 1)

ST211100101 12" X 147" 28930 #121