



**EL PASO COUNTY PLANNING & COMMUNITY DEVELOPMENT  
SIGN APPLICATION**

**Vicinity Map**

Tax Schedule # \_\_\_\_\_  
Please show major intersections.



**Sign Plan**

(Please indicate dimensions and sign copy)

Please find attached.

DATE: \_\_\_\_\_

**Business**

Name: Meineke #1547  
Address: 1370 Ainsworth  
Colorado Springs, CO

Zone: CC  
Legal Description: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Type of Sign**

Illuminated: Yes  
Non-Illuminated: \_\_\_\_\_  
Valuation: 8800

Storefront Length &/or  
Width: \_\_\_\_\_

Proposed Sign Sq. Ft. 32

Existing Sign Sq. Ft. \_\_\_\_\_

Total Sign Sq. Ft. \_\_\_\_\_

**Elevation Drawing**

Indicate storefront length & placement of  
sign.

N/A Sign is Freestanding

**Contractor Information**

Name: A Budget Signs  
Address: 3224 N Nevada  
Ave, Colorado Springs  
Phone: 719 635 8811  
Type of License: Sign  
Contractor ID# 17040

**Approved**  
**By: Gabe Sevigny**  
**Date: 05/29/2019**  
El Paso County Planning & Community Development



Allowed 2 sqft for each  
linear foot of the building  
wall closest to the sign or  
40 sqft, whichever is  
smaller in the CC zoning  
district.

**Community Development Use Only**

Illumination of sign is  
regulated by the Code,  
cannot be more than  
01. footcandles at the  
the ROW.

Fee of \$262.00 must accompany this Application. Additional signs

Make checks payable to El Paso County.

**POLE SIGN**

**MEINEKE #1547**

1370 Ainsworth St  
Colorado Springs, CO  
80915



Underwriters Laboratories Inc.  
UL File #E225670

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EMBOSSED 1/2" DEEP WITH 2ND SURFACE TRANSLUCENT AS SPECIFIED IN COLORS "meineke" only

**PROOF**  
**NOTE: ENGINEERING REQUIREMENTS MAY ALTER FOOTER, POLE AND PRICE**

INITIAL LAYOUT: January 25, 2019

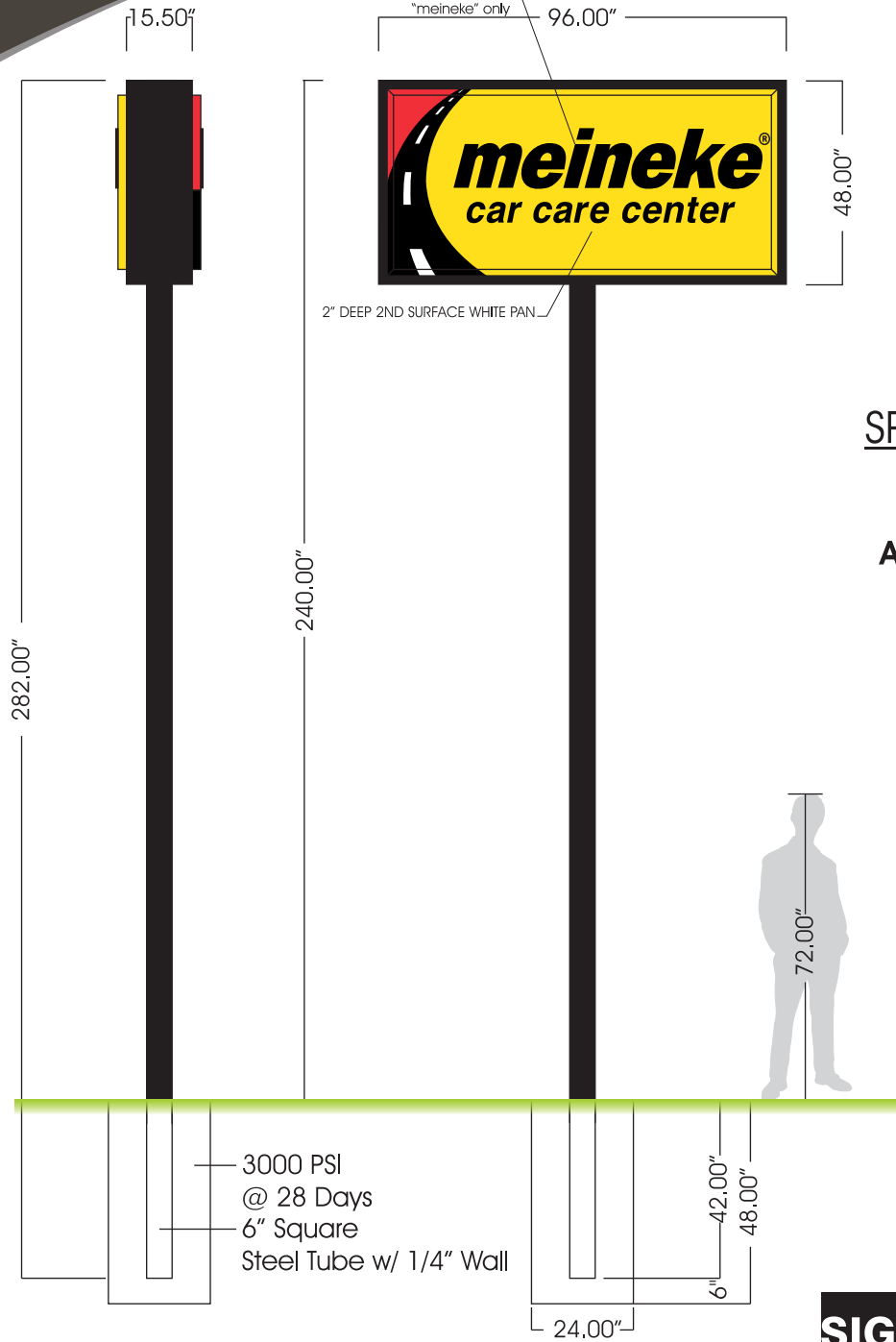
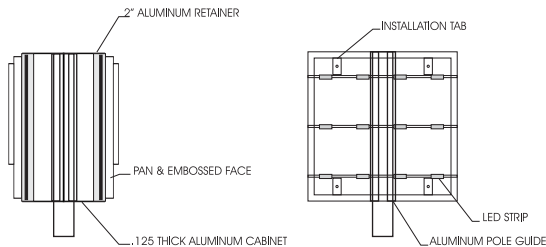
REVISIONS:  
I  
II  
III  
IV  
V

Sq. Ft. Signage: 32.00  
Signage Allowance: 40.00 Sq. Ft.

**COLOR: PAINT AND VINYL**

<b>PAINT:</b> (YELLOW) PMS 109 C <b>VINYL:</b> (YELLOW) 3M 3630-15	<b>PAINT:</b> (RED) PMS 185 C <b>VINYL:</b> (RED) 3M 3630-33
<b>PAINT:</b> (BLACK) PMS BLACK <b>VINYL:</b> (BLACK) 3M 3630-22	<b>PAINT:</b> (WHITE) PMS WHITE <b>VINYL:</b> (WHITE) 3M 3630-20

**DETAIL**



**SPECIFICATIONS**  
**DOUBLE-SIDED**  
**ILLUMINATED**  
**ALUMINUM CABINET**

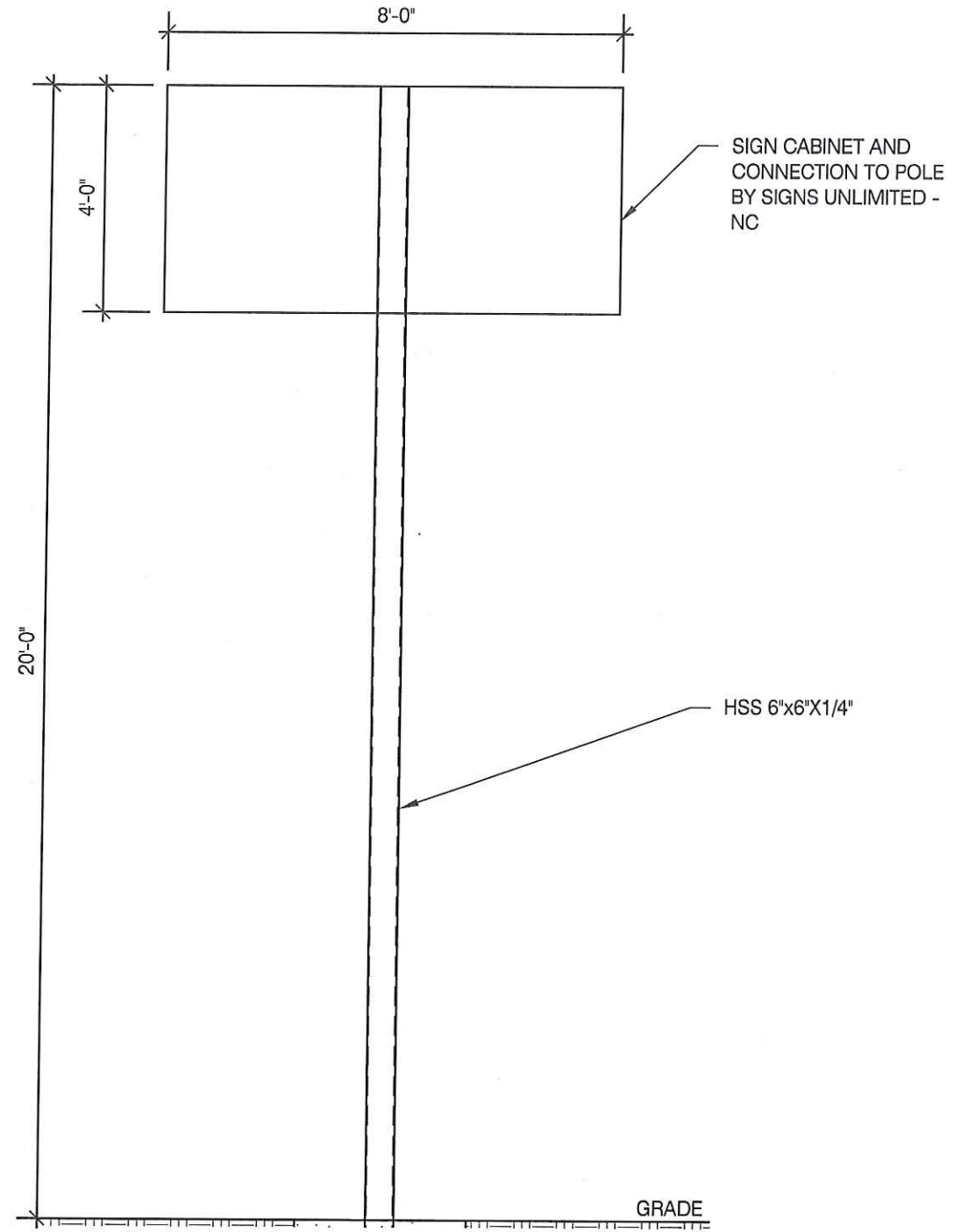
- Quantity: 1
- Size: As in drawing
- Face Color: As in drawing
- Vinyl Colors: As in drawing
- Face: Pan and Embossed (Top)  
Flat (Bottom)
- Cabinet Interior: Gloss White
- Cabinet Color: Black
- Retainer: 2.0"
- Illumination: LED
- Mounting: Pole w/ concrete footer into earth



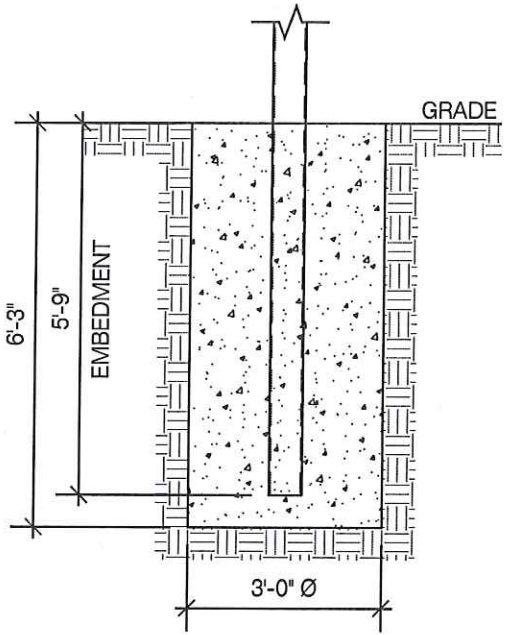
Owner/Landlord Approval \_\_\_\_\_

NOTES  
 1.) SEE MANUFACTURERS DRAWINGS FOR ADDITIONAL DETAILS AND DIMENSIONS.  
 2.) SIGN CABINET AND CONNECTION BY SIGNS UNLIMITED - NC.

\* CLIENT - SIGNS UNLIMITED - NC  
 \* PIKES PEAK RBC 2017 EDITION (2015 IBC)  
 \* 130 MPH WIND SPEED, EXP. C  
 \* (1) POLE, (1) FOOTING



FRONT ELEVATION  
 SCALE: N.T.S. 1



CAISSON FOUNDATION  
 SCALE: N.T.S. 2



**MBI COMPANIES INC.**  
 299 N. WEISGARBER RD.  
 KNOXVILLE, TN 37919  
 PHONE 865.584.0999  
 SIGN-ENGINEER.COM

PROJECT:  
 1370 Ainsworth Street, Colorado Springs, CO

DRAWING TITLE:  
**Meineke #1547**

DRAWN BY: FCM  
 CHECKED BY: DSA  
 COMM. NO. 190149.019

DATE: 04/16/19

REV #	DATE	DRAWN BY

DRAWING NO.  
 DWG. **1**



**DESIGN SPECIFICATIONS:**

REFER TO SIGN COMPANY'S DRAWINGS FOR MORE DETAILS.  
ALL DESIGNS, DETAILING FABRICATION AND CONSTRUCTION SHALL CONFORM TO:

- PIKES PEAK RBC 2017 EDITION (2015 IBC)
- ACI
- AISC
- AMERICAN WELDING SOCIETY
- LOCAL BUILDING CODES & ORDINANCES

CONCRETE: 2500 PSI @ 28 DAYS  
STD. STEEL PIPE SECTION: ASTM A53 GRADE B (Fy=35 KSI), U.N.O.  
STEEL PIPE SECTION (> 20" Ø): ASTM A252 GRADE 3 (Fy=42 KSI MIN.) U.N.O.  
HSS ROUND SECTION: ASTM A500 GRADE B (Fy=42 KSI) U.N.O.  
HSS SQUARE/RECTANGULAR SECTION: ASTM A500 GRADE B (Fy=46 KSI)  
W SHAPES: ASTM A992 (Fy = 50 KSI)  
ANCHOR BOLTS: ASTM F1554 GRADE 36 U.N.O. (ALTERNATES GRADE 55 & 105)  
CONNECTION BOLTS: ASTM A325  
THREADED RODS: ASTM A193 GRADE B7  
STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES & PLATES ASTM A36  
REINFORCING: GRADE 60 ASTM A615  
PROVIDE A MINIMUM OF THREE INCHES OF CONCRETE COVER OVER EMBEDDED STEEL.

THE CONTRACTOR (INSTALLER) IS RESPONSIBLE FOR THE MEANS & METHODS OF CONSTRUCTION IN REGARDS TO JOBSITE SAFETY.  
NO FIELD HEATING FOR BENDING OR CUTTING OF STEEL SHALL BE ALLOWED WITHOUT THE ENGINEER'S APPROVAL.

WELDING ELECTRODES: E70XX  
ALLOWABLE SOIL BEARING PRESSURE ASSUMED: 2000 PSF  
ASSUMED HORIZONTAL (PASSIVE PRESSURE) ASSUMED AT 150 PSF/FT OF DEPTH.  
ISOLATED LATERAL BEARING FOUNDATIONS FOR SIGNS NOT ADVERSELY AFFECTED A 1/2" MOTION AT THE GROUND SURFACE DUE TO SHORT TERM LATERAL LOADS SHALL BE PERMITTED TO BE DESIGNED USING TWO TIMES THE TABULATED CODE VALUES.

ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED RESIDUAL SOIL AND/OR ENGINEERED EARTH.  
FILL COMPACTED TO 98% OF ITS MAXIMUM DRY DENSITY AS PER ASTM D 698-70 (STANDARD PROCTOR) UNLESS NOTED OTHERWISE. THE SOIL BEARING CAPACITY IS TO BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. IF ALLOWABLE BEARING AND/OR LATERAL PRESSURE IS LESS THAN THE ABOVE ASSUMED AND/OR CALCULATED PRESSURES, THE ENGINEER SHOULD BE CONTACTED FOR RE-EVALUATION.

EXCAVATION SHALL BE FREE OF LOOSE SOIL BEFORE POURING CONCRETE.  
WELDERS SHALL BE CERTIFIED FOR THE TYPE OF WELDING.  
ADEQUATELY BRACE POLE(S) UNTIL CONCRETE HAS SET UP FOR 14 DAYS.  
GROUT UNDER BASE PLATES WITH NON-SHRINK GROUT.

THIS ENGINEER DOES NOT WARRANT THE ACCURACY OF DIMENSIONS FURNISHED BY OTHERS.  
ALL EXPOSED STEEL SHALL BE PAINTED WITH AN ENAMEL PAINT TO INHIBIT CORROSION.  
THIS DESIGN IS FOR THE INDICATED ADDRESS ONLY, AND SHOULD NOT BE USED AT OTHER LOCATIONS WITHOUT WRITTEN PERMISSION OF THE ENGINEER.  
DESIGN OF DETAILS AND STRUCTURAL MEMBERS NOT SHOWN, BY OTHERS.

**WIND DATA**

Building Code	Pikes Peak RBC 201	Importance Factor, I	1.0	Damping Ratio, $\beta$	0.005
Wind Load Criteria	ASCE 7-10	Directionality Factor, $K_d$	0.85	Natural Frequency, $n_1$	1.59 Hz
Wind Speed, V	130 mph	Topography Factor, $K_{zt}$	1.0	Gust Effect Factor, G	0.85
Exposure Category	C	Base Pressure, $\gamma(q/K_z)$	22.1 psf	ASD Wind Load Factor, $\gamma$	0.6
Wind Pressure Override per Jurisdiction Requirement	0 psf				

**DEFLECTION ANALYSIS**

Deflection Limit	H/60
Deflection at 0.7*W	3.42 in
Deflection Ratio	H/70

Notes: (1) Loading values in chart below are based upon average  $K_z$  values for each segment. Actual values are calculated on hidden sheet using derived V-M equations. Chart is provided for information purposes only.  
(2) Wind directionality ( $K_d$ ) factor is 0.95 for Single Pole (Round) segments instead of 0.85. The  $C_f$  value from Fig. 6-21 has been increased by 0.95/0.85 to account for this variation.  
(3) Wind pressures listed below have already been multiplied by the ASD Wind Load Factor,  $\gamma$ .

**GEOMETRY INPUT**

Section	Location	Type	Height		Horiz. Offset	Area	Top Elev.	Centroid	$K_z$	$C_f$	Wind Press.	Support Pole Loads			Footing Loads		
			ft	ft								Trib. Factor	Shear kips	Moment k-ft	Trib. Factor	Shear kips	Moment k-ft
1	Base	Single Pole (Not Round)	16.00	0.50		8.0	16.0	8.0	0.86	1.89	30.6	1.0	0.2	2.0	1.0	0.2	2.0
2		Single Pole w/ Cabinet	4.00	8.00		32.0	20.0	18.0	0.90	1.81	30.6	1.0	1.0	17.6	1.0	1.0	17.6
3		None				0.0	20.0	20.0	0.90	1.46	24.7	0.0	0.0	0.0	0.0	0.0	0.0
4		None				0.0	20.0	20.0	0.90	1.46	24.7	0.0	0.0	0.0	0.0	0.0	0.0
5		None				0.0	20.0	20.0	0.90	1.46	24.7	0.0	0.0	0.0	0.0	0.0	0.0
6		None				0.0	20.0	20.0	0.90	1.46	24.7	0.0	0.0	0.0	0.0	0.0	0.0
7		None				0.0	20.0	20.0	0.90	1.46	24.7	0.0	0.0	0.0	0.0	0.0	0.0
8		None				0.0	20.0	20.0	0.90	1.46	24.7	0.0	0.0	0.0	0.0	0.0	0.0
9		None				0.0	20.0	20.0	0.90	1.46	24.7	0.0	0.0	0.0	0.0	0.0	0.0
10	Top	None				0.0	20.0	20.0	0.90	1.46	24.7	0.0	0.0	0.0	0.0	0.0	0.0
Overall Height: 20.00 ft												Summation based upon averages above:			1.2 19.6 1.2 19.6		
												Actual base reactions based upon V-M equations:			1.2 19.2 1.2 19.2		

**SUPPORT POLE DESIGN SUMMARY**

Base Elev	Section	Axis	Required Strength Values (ASD)				Allowable Strength Values (ASD)				Unity Ratios				Interaction Ratios		Status
			$V_r$	$M_r$	$T_r$	$P_r$	$V_c$	$M_c$	$T_c$	$P_c$	$V_r/V_c$	$M_r/M_c$	$T_r/T_c$	$P_r/P_c$	P-M	P-M-V-T	
0.00	HSS6X6X1/4	Strong	1.2	19.2	1.6	0.7	45.5	25.7	21.2	18.7	2.6%	74.7%	7.3%	3.7%	78.4%	0.0%	✓
0.00	None	Strong	1.2	19.2	1.6	0.7	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	✓
0.00	None	Strong	1.2	19.2	1.6	0.7	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	✓
0.00	None	Strong	1.2	19.2	1.6	0.7	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	✓
0.00	None	Strong	1.2	19.2	1.6	0.7	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	✓
0.00	None	Strong	1.2	19.2	1.6	0.7	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	✓
0.00	None	Strong	1.2	19.2	1.6	0.7	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	✓
0.00	None	Strong	1.2	19.2	1.6	0.7	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	✓
0.00	None	Strong	1.2	19.2	1.6	0.7	0.0	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	✓

**FOUNDATION DESIGN SUMMARY**

Type	Diameter	Width	Thickness	Length	Depth	Volume	Reinforcing	Status	Allowable Soil Pressure
<input checked="" type="checkbox"/> Caisson	3.00	--	--	--	6.25	1.64		OK	300 psf/ft
<input type="checkbox"/> Vertical Slab									
<input type="checkbox"/> Spread									

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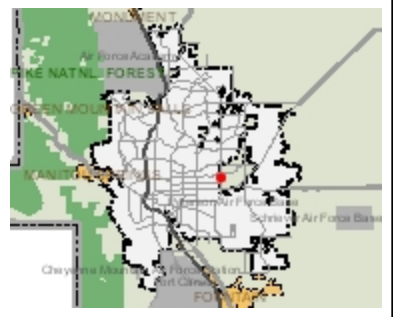
DRAWING TITLE:  
Meineke #1547

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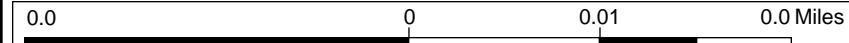
DRAWING NO.: DWG. 2





**Legend**  
 Parcels

1:618



**Notes**