SAMPLE PLANS FOR SIGN PERMIT APPLICATION

The plans on this sheet are examples of the types of plans required for a sign permit application. They are provided to help you develop your plans to the appropriate level of detail so your permit can be processed efficiently. All drawings must be drawn to the minimum scale indicated on the Sign Permit Application Checklist. Applications submitted with plans that do not reflect the details noted on the checklist will be delayed. If you still have questions after reviewing the checklist and these sample plans, please contact Community Development at 253-835-2607, or permitcenter@cityoffederalway.com for assistance.

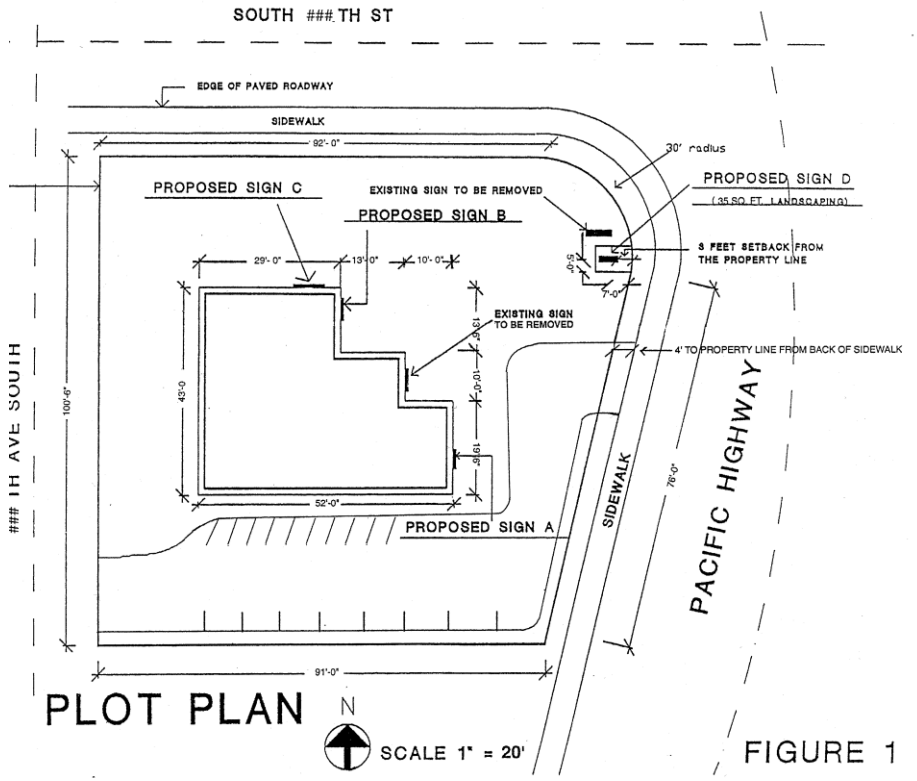
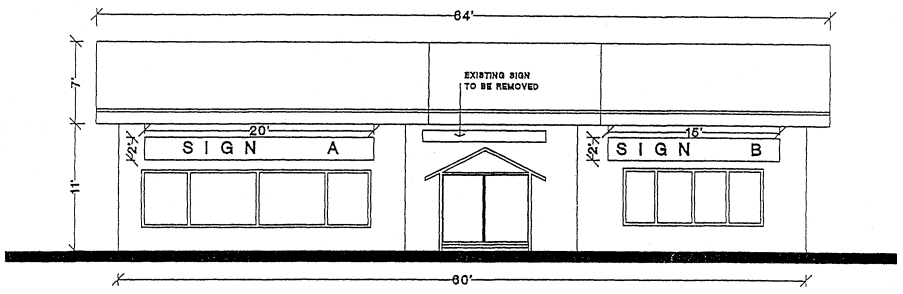


FIGURE 1

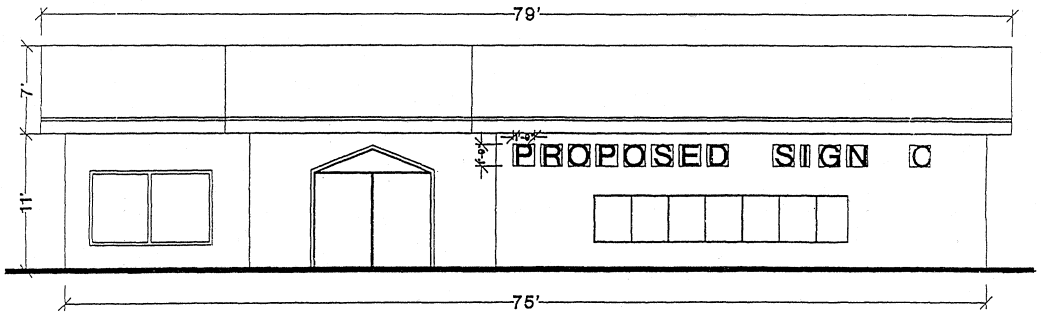


EAST ELEVATION

SCALE 1/8" = 1'

EXPOSED BUILDING FACE = 1108 SQUARE FEET
SIGN(A) AREA PROPOSED = 40 SQUARE FEET
SIGN(B) AREA PROPOSED = 30 SQUARE FEET
SIGN AREA ALLOWED = 77.56 SQUARE FEET (7% of Exposed Building Face)

FIGURE 2A

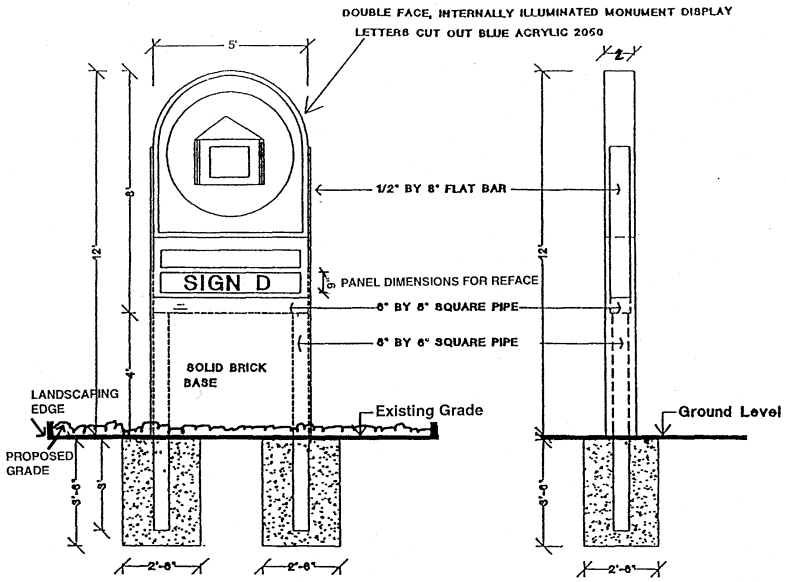


NORTH ELEVATION

SCALE 1/8" = 1'

EXPOSED BUILDING FACE = 1378 SQUARE FEET
SIGN(C) AREA PROPOSED = 3+3+3+3+3+3+3+3+3+3+.56+3+3+3 = 36.56 SQUARE FEET
(If the sign is made up of individual letters- calculate total area by measuring the perimeter enclosing each letter and totalling the square footage of these perimeters.)
SIGN AREA ALLOWED = 96.46 SQUARE FEET (7% of Exposed Building Face)

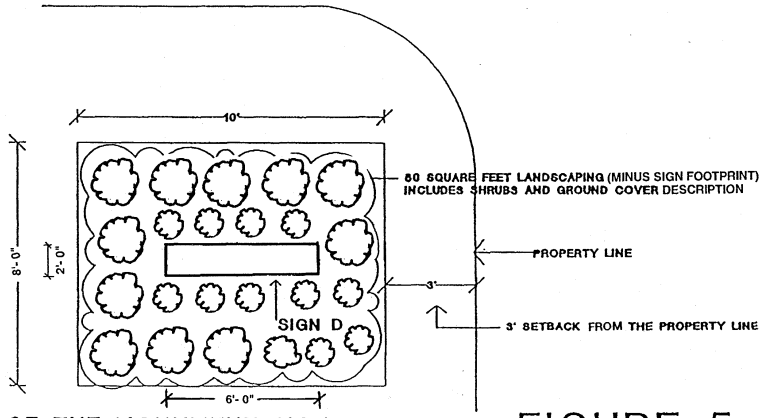
FIGURE 2B



MONUMENT SIGN

MONUMENT SIGN

TOTAL PROPOSED SIGN AREA = 80 SQ. FT.(40 SQ. FT. PER FACE) SCALE 1/4" = 1'



PLAN OF THE MONUMENT SIGN

SCALE 1/4" = 1' ← N

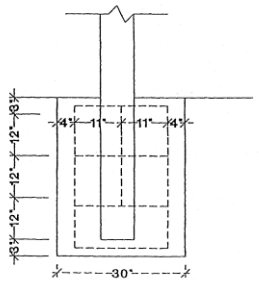
FIGURE 5

WIND LOAD CALCULATIONS AND STRUCTURAL DESIGN
FOR MONUMENT SIGN FOUNDATIONS

SIGN AREA: 12'x5' = 60SF
WIND SPEED: 80 MPH EXPOSURE C
WIND FORCE: P= Ce Cq qs Iw = (1.06)(1.4)(16.4)(1) =24.34 #/SF
P= 25#/SF FOR WIND FORCE
WIND PRESSURE: 60SF x 25#/SF = 1500#
ASSUMED PRESSURE POINT: 6'-0" OFF OF GROUND
WIND MOMENT: 1500# x 6' = 9000'#

FOUNDATION AREA: 2 EACH X 2.5' X 3.5' = 17.5SF
REQUIRED RESISTING MOMENT: 9000'#
SOIL RESISTANCE LATERAL PRESSURE: table 18-I-A type 3
=200#/SF addtional allowed by note 3
doubles to 400#/SF resistance
RESISTING PRESSURE: 400#/SF x 17.5SF = 7000#
ASSUMED RESISTING PRESSURE POINT: 1.75' BELOW GROUND SURFACE
RESISTING PRESSURE: 1.75' X 7000# = 12,250'# > 9000'#

FOUNDATION SIZE IS ACCEPTABLE FOR WIND RESISTANCE
PROVIDE TEMPERATURE REINFORCING STEEL OF #3 BARS IN CAGE
12" c.c. HORIZONTAL AND VERTICAL



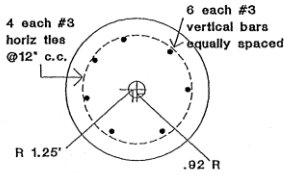
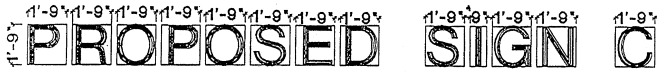
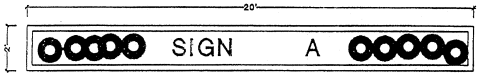


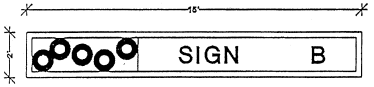
FIGURE 6



FACE DETAIL SIGN C
ILLUMINATED INDIVIDUAL LETTERS



FACE DETAIL SIGN A
SINGLE FACED INTERNALLY ILLUMINATED SIGN
WHITE LEXAN FACE WITH SCOTCHAL GRAPHICS



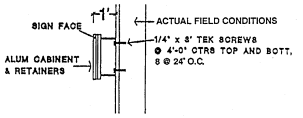
FACE DETAIL SIGN B

SINGLE FACED INTERNALLY ILLUMINATED SIGN
EXTRUDED ALUMINUM CABINET PAINT GRAY 424

SCALE 1/4" = 1'

FIGURE 4

WEIGHT = 75#



ATTACHMENT CROSS-SECTION DETAIL

SCALE 1/4" = 1'

FIGURE 3