

**CITY OF AUSTIN  
Board of Adjustment  
Decision Sheet**

**DATE: August 13, 2018**

**CASE NUMBER: C16-2018-0003**

|                            |                             |
|----------------------------|-----------------------------|
| <input type="checkbox"/> Y | Brooke Bailey               |
| <input type="checkbox"/> Y | William Burkhardt           |
| <input type="checkbox"/> Y | Christopher Covo            |
| <input type="checkbox"/> Y | Eric Goff                   |
| <input type="checkbox"/> Y | Melissa Hawthorne           |
| <input type="checkbox"/> Y | Bryan King                  |
| <input type="checkbox"/> Y | Don Leighton-Burwell        |
| <input type="checkbox"/> Y | Rahm McDaniel               |
| <input type="checkbox"/> - | Martha Gonzalez (Alternate) |
| <input type="checkbox"/> Y | Veronica Rivera             |
| <input type="checkbox"/> Y | James Valdez                |
| <input type="checkbox"/> Y | Michael Von Ohlen           |
| <input type="checkbox"/> - | Kelly Blume (Alternate)     |
| <input type="checkbox"/> - | Pim Mayo (Alternate)        |

**APPLICANT: Phil Moncada**

**OWNER: Greg Cervenka**

**ADDRESS: 1044 NORWOOD PARK BLVD Unit C-6**

**VARIANCE REQUESTED:** The applicant has requested a variance(s) to Section 25-10-123(B)(3)(Expressway Corridor Sign District Regulations) to increase the maximum allowable sign height from 35 feet (required/permitted) to 50 feet (requested, existing) in order to erect a sign at this site in the Expressway Corridor Sign District within a "CH-NP", Commercial Highway Services – Neighborhood Plan zoning district. (Heritage Hills)

**BOARD'S DECISION:** BOA meeting June 11, 2018 The public hearing was closed on Board Member Brooke Bailey motion to Postpone to July 9, 2018, Board Member Eric Goff second on a 10-0 vote; POSTPONED TO July 9, 2018 (RE-NOTICE); July 9, 2018 POSTPONED TO AUGUST 13, 2018 BY APPLICANT

**RENOTICE AUG 13, 2018** The applicant has requested a variance(s) to:

- A. 25-10-123(B)(3)(Expressway Corridor Sign District Regulations) to increase the maximum allowable sign height from 35 feet (required/permitted) to 50 feet (requested, existing); and to
- B. 25-10-103 (Signs Prohibited in all Sign Districts) (1) to permit an off-premise sign; and/or to in order to erect a sign at this site in the Expressway Corridor Sign District within a "CH-NP", Commercial Highway Services – Neighborhood Plan zoning district. (Heritage Hills)


**BOARD'S DECISION: August 13, 2018** The public hearing was closed on Board Member Eric Goff motion to Postpone to September 10, 2018, Board Member Rahm McDaniel second on a 11-0 vote; **POSTPONED TO SEPTEMBER 10, 2018.**  
**(RE-NOTICE MAY BE REQUIRED)**

**EXPIRATION DATE:**

**FINDING:**

1. The Zoning regulations applicable to the property do not allow for a reasonable use because:
2. (a) The hardship for which the variance is requested is unique to the property in that:  
(b) The hardship is not general to the area in which the property is located because:
3. The variance will not alter the character of the area adjacent to the property, will not impair the use of adjacent conforming property, and will not impair the purpose of the regulations of the zoning district in which the property is located because:

  
Leane Heldenfels  
Executive Liaison

  
William Burkhardt  
Chairman

**CITY OF AUSTIN  
Board of Adjustment  
Decision Sheet**

**DATE: JULY 9, 2018**

**CASE NUMBER: C16-2018-0003**

\_\_\_\_\_ Brooke Bailey  
 \_\_\_\_\_ William Burkhardt  
 \_\_\_\_\_ Christopher Covo  
 \_\_\_\_\_ Eric Goff  
 \_\_\_\_\_ Melissa Hawthorne  
 \_\_\_\_\_ Bryan King  
 \_\_\_\_\_ Don Leighton-Burwell  
 \_\_\_\_\_ Rahm McDaniel OUT  
 \_\_\_\_\_ Martha Gonzalez (Alternate)  
 \_\_\_\_\_ Veronica Rivera  
 \_\_\_\_\_ James Valdez  
 \_\_\_\_\_ Michael Von Ohlen  
 \_\_\_\_\_ Kelly Blume (Alternate)  
 \_\_\_\_\_ Pim Mayo (Alternate)

**APPLICANT: Phil Moncada**

**OWNER: Greg Cervenka**

**ADDRESS: 1044 NORWOOD PARK BLVD Unit C-6**

**VARIANCE REQUESTED:** The applicant has requested a variance(s) to Section 25-10-123(B)(3)(Expressway Corridor Sign District Regulations) to increase the maximum allowable sign height from 35 feet (required/permitted) to 50 feet (requested, existing) in order to erect a sign at this site in the Expressway Corridor Sign District within a "CH-NP", Commercial Highway Services – Neighborhood Plan zoning district. (Heritage Hills)

**BOARD'S DECISION:** BOA meeting June 11, 2018 The public hearing was closed on Board Member Brooke Bailey motion to Postpone to July 9, 2018, Board Member Eric Goff second on a 10-0 vote; POSTPONED TO July 9, 2018 (RE-NOTICE); July 9, 2018 POSTPONED TO AUGUST 13, 2018 BY APPLICANT

**FINDING:**

1. The Zoning regulations applicable to the property do not allow for a reasonable use because:
2. (a) The hardship for which the variance is requested is unique to the property in that:  
(b) The hardship is not general to the area in which the property is located because:
3. The variance will not alter the character of the area adjacent to the property, will not impair the use of adjacent conforming property, and will not impair the purpose of the regulations of the zoning district in which the property is located because:

**CITY OF AUSTIN  
Board of Adjustment  
Decision Sheet**

**DATE: June 11, 2018**

**CASE NUMBER: C16-2018-0003**

|                                     |   |                                 |
|-------------------------------------|---|---------------------------------|
| <input checked="" type="checkbox"/> | Y | Brooke Bailey                   |
| <input checked="" type="checkbox"/> | Y | William Burkhardt               |
| <input checked="" type="checkbox"/> | Y | Christopher Covo                |
| <input checked="" type="checkbox"/> | Y | Eric Goff                       |
| <input type="checkbox"/>            | - | Melissa Hawthorne OUT           |
| <input checked="" type="checkbox"/> | Y | Bryan King                      |
| <input checked="" type="checkbox"/> | Y | Don Leighton-Burwell            |
| <input type="checkbox"/>            | - | Rahm McDaniel OUT               |
| <input type="checkbox"/>            | - | Martha Gonzalez (Alternate) OUT |
| <input checked="" type="checkbox"/> | Y | Veronica Rivera                 |
| <input checked="" type="checkbox"/> | Y | James Valdez                    |
| <input checked="" type="checkbox"/> | Y | Michael Von Ohlen               |
| <input checked="" type="checkbox"/> | Y | Kelly Blume (Alternate)         |
| <input type="checkbox"/>            | - | Pim Mayo (Alternate) OUT        |

**APPLICANT: Phil Moncada**

**OWNER: Greg Cervenka**

**ADDRESS: 1044 NORWOOD PARK BLVD Unit C-6**

**VARIANCE REQUESTED:** The applicant has requested a variance(s) to Section 25-10-123(B)(3)(Expressway Corridor Sign District Regulations) to increase the maximum allowable sign height from 35 feet (required/permitted) to 50 feet (requested, existing) in order to erect a sign at this site in the Expressway Corridor Sign District within a "CH-NP", Commercial Highway Services – Neighborhood Plan zoning district. (Heritage Hills)

**BOARD'S DECISION:** BOA meeting June 11, 2018 The public hearing was closed on Board Member Brooke Bailey motion to Postpone to July 9, 2018, Board Member Eric Goff second on a 10-0 vote; POSTPONED TO July 9, 2018 (RE-NOTICE)

**FINDING:**

1. The Zoning regulations applicable to the property do not allow for a reasonable use because:
2. (a) The hardship for which the variance is requested is unique to the property in that:  
(b) The hardship is not general to the area in which the property is located because:
3. The variance will not alter the character of the area adjacent to the property, will not impair the use of adjacent conforming property, and will not impair the purpose of the regulations of the zoning district in which the property is located because:

**From:** [REDACTED]  
**To:** [Heldenfels, Leane](#)  
**Subject:** Re: Can request postpone NORwood/Wal Mart today to the 8/13 hearing and I can re-send corrected notice for the 8/13 hearing instead - if you'd like  
**Date:** Monday, June 25, 2018 1:58:18 PM  
**Attachments:** [image001.png](#)

---

Leane,

Can we postpone this so we can get more time.

Thank you,

Phil Moncada

Phil Moncada  
**Moncada Enterprises, LLC**  
1301 S IH 35 Ste. 204  
Austin, TX 78741  
512.627.8815 (c)  
512.474.7377(o)

On Mon, Jun 25, 2018 at 12:10 PM, Heldenfels, Leane <[Leane.Heldenfels@austintexas.gov](mailto:Leane.Heldenfels@austintexas.gov)> wrote:

FYi –

**Leane Heldenfels**

*Planner Senior – Board of Adjustment Liaison*

[City of Austin Development Services Department](#)

One Texas Center, 505 Barton Springs Road, [1st Floor](#), Development Assistance Center

Walk-in hours 9a-12p M-F

Office: 512.974.2202 Cell: 512.567.0106 (*personal, for meeting day & after hours emergency use only*)

**From:** [Heldenfels, Leane](#)  
**To:** [Ramirez, Diana](#)  
**Subject:** c16-2018-0003, 1044 Norwood Park july late back up request for postponement  
**Date:** Monday, July 09, 2018 11:36:27 AM

---

**From:** [REDACTED]  
**Sent:** Monday, July 09, 2018 7:40 AM  
**To:** Heldenfels, Leane  
**Cc:** [REDACTED]  
**Subject:** 1044 Norwood Park

Good Morning Leane,

We are requesting a postponement for the above referenced address because the owner's representative is out of town and wanted to attend the meeting. In addition, he is in discussions with the property owner of that parcel regarding the location of the sign.

Thank you,

Phil Moncada  
**Moncada Enterprises, LLC**  
1301 S IH 35 Ste. 204  
Austin, TX 78741  
512.627.8815 (c)  
512.474.7377(o)

C01/7

CLOCK TOWER

NORWOOD PARK

ANDERSON  
ANDERSON

ANDERSON LN

ANDERSON LN  
E ANDERSON WB TO NORWOOD

PROVIDENCE

MEADOR




BLESSING

WHEATLEY

## NOTIFICATIONS

CASE#: C16-2018-0003  
LOCATION: 1044 Norwood Park Boulevard



-  SUBJECT TRACT
-  PENDING CASE
-  ZONING BOUNDARY

1" = 225'

This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.

This product has been produced by CTM for the sole purpose of geographic reference. No warranty is made by the City of Austin regarding specific accuracy or completeness.



## Board of Adjustment Sign Variance Application

**WARNING: Filing of this appeal stops all affected construction activity.**

This application is a fillable PDF that can be completed electronically. To ensure your information is saved, [click here to Save](#) the form to your computer, then open your copy and continue.

The Tab key may be used to navigate to each field; Shift + Tab moves to the previous field. The Enter key activates links, emails, and buttons. Use the Up & Down Arrow keys to scroll through drop-down lists and check boxes, and hit Enter to make a selection.

The application must be complete and accurate prior to submittal. All information is required (if applicable).

### For Office Use Only

|                             |                       |                         |
|-----------------------------|-----------------------|-------------------------|
| Case # <u>C16-2018-0003</u> | ROW # <u>11946473</u> | Tax # <u>0231180607</u> |
|-----------------------------|-----------------------|-------------------------|

### Section 1: Applicant Statement

Street Address: 1044 Norwood Park Blvd.

Subdivision Legal Description:

LOT 5 LESS 2464 AC WAL-MART AT NORWOOD PARK SUBD RESUB OF LOTS 1A, 1B & 1C & LOT 2 REPLAT OF NORWOOD PARK

Lot(s): \_\_\_\_\_ Block(s): \_\_\_\_\_

Outlot: \_\_\_\_\_ Division: \_\_\_\_\_

Zoning District: CH-NP (Heritage Hills)

Sign District: \_\_\_\_\_

I/We Phil Moncada on behalf of myself/ourselves as

authorized agent for Norwood Park Association, Inc affirm that on

Month April, Day 25, Year 2018, hereby apply for a hearing before the

Board of Adjustment for consideration to (select appropriate option below):

☐ Erect ☐ Attach ☐ Complete ☐ Remodel ☐ Maintain ☒ Other: relocate/height increase

Type of Sign: pylon

Portion of the City of Austin Land Development Code applicant is seeking a variance from:

25-10



## Section 2: Variance Findings

The Board must determine the existence of, sufficiency of, and weight of evidence supporting the findings described below. In order to grant your request for a variance, the Board must first make one or more of the findings described under 1, 2, and 3 below; the Board must then make the finding described in item 4 below. If the Board cannot make the required findings, it cannot approve a sign variance.

Therefore, you must complete each of the applicable Findings Statements as part of your application. Failure to do so may result in your application being rejected as incomplete. Please attach any additional supporting documents.

I contend that my entitlement to the requested variance is based on the following findings:

1. The variance is necessary because strict enforcement of the Article prohibits any reasonable opportunity to provide adequate signs on the site, considering the unique features of the site such as dimensions, landscaping, or topography, because:

TXDOT ROW Condemnation process has already removed signage for additional ROW.  
In addition, existing trees and speed limit an access road, hinder view of pylon sign unless  
additional height is granted.

—OR—

2. The granting of this variance will not have a substantially adverse impact upon neighboring properties, because:

Sign is on access and surrounded by commercial properties.

—OR—

3. The granting of this variance will not substantially conflict with the stated purposes of this sign ordinance, because:

Sign was existing at this location and height increase is warranted due to line and sight  
associated with access road.

AND,

4. Granting a variance would not provide the applicant with a special privilege not enjoyed by others similarly situated or potentially similarly situated, because:

This board has previously granted height increase on signs associated with trees impacting  
visibility for the motoring public.

**Section 3: Applicant Certificate**

I affirm that my statements contained in the complete application are true and correct to the best of my knowledge and belief.

Applicant Signature: Phil Moncada Digitally signed by Phil Moncada  
Date: 2018.04.10:35:15 -05'00' Date: 04/19/20 18

Applicant Name (typed or printed): Phil Moncada

Applicant Mailing Address: 1301 S IH 35 Ste 204

City: Austin State: TX Zip: 78741

Phone (will be public information): (512) 627-8815

Email (optional – will be public information): [REDACTED]

**Section 4: Owner Certificate**

I affirm that my statements contained in the complete application are true and correct to the best of my knowledge and belief.

Owner Signature: Greg Cervenka, Boardmember Date: 4/24/18

Owner Name (typed or printed): Norwood Park Association, Inc.

Owner Mailing Address: PO Box 161150

City: Austin State: TX Zip: 78716

Phone (will be public information): (512) 485-4334

Email (optional – will be public information):

**Section 5: Agent Information**

Agent Name: Greg Cervenka

Agent Mailing Address: PO BOX 161150

City: Austin State: TX Zip: 78716

Phone (will be public information): (512) 485-4335

Email (optional – will be public information):

**SAVE**

**Section 3: Applicant Certificate**

I affirm that my statements contained in the complete application are true and correct to the best of my knowledge and belief.

Applicant Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Applicant Name (typed or printed): \_\_\_\_\_

Applicant Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone (will be public information): \_\_\_\_\_

Email (optional – will be public information): \_\_\_\_\_

**Section 4: Owner Certificate**

I affirm that my statements contained in the complete application are true and correct to the best of my knowledge and belief.

Owner Signature: William S. Hart Date: \_\_\_\_\_

Owner Name (typed or printed): Strategic Housing Finance Corporation of Travis County,

Owner Mailing Address: 502 East Highland Mall Blvd. Ste 106-B Austin, TX 78752

City: Austin State: TX Zip: 78752

Phone (will be public information): 502-931-5795

Email (optional – will be public information): \_\_\_\_\_

**Section 5: Agent Information**

Agent Name: \_\_\_\_\_

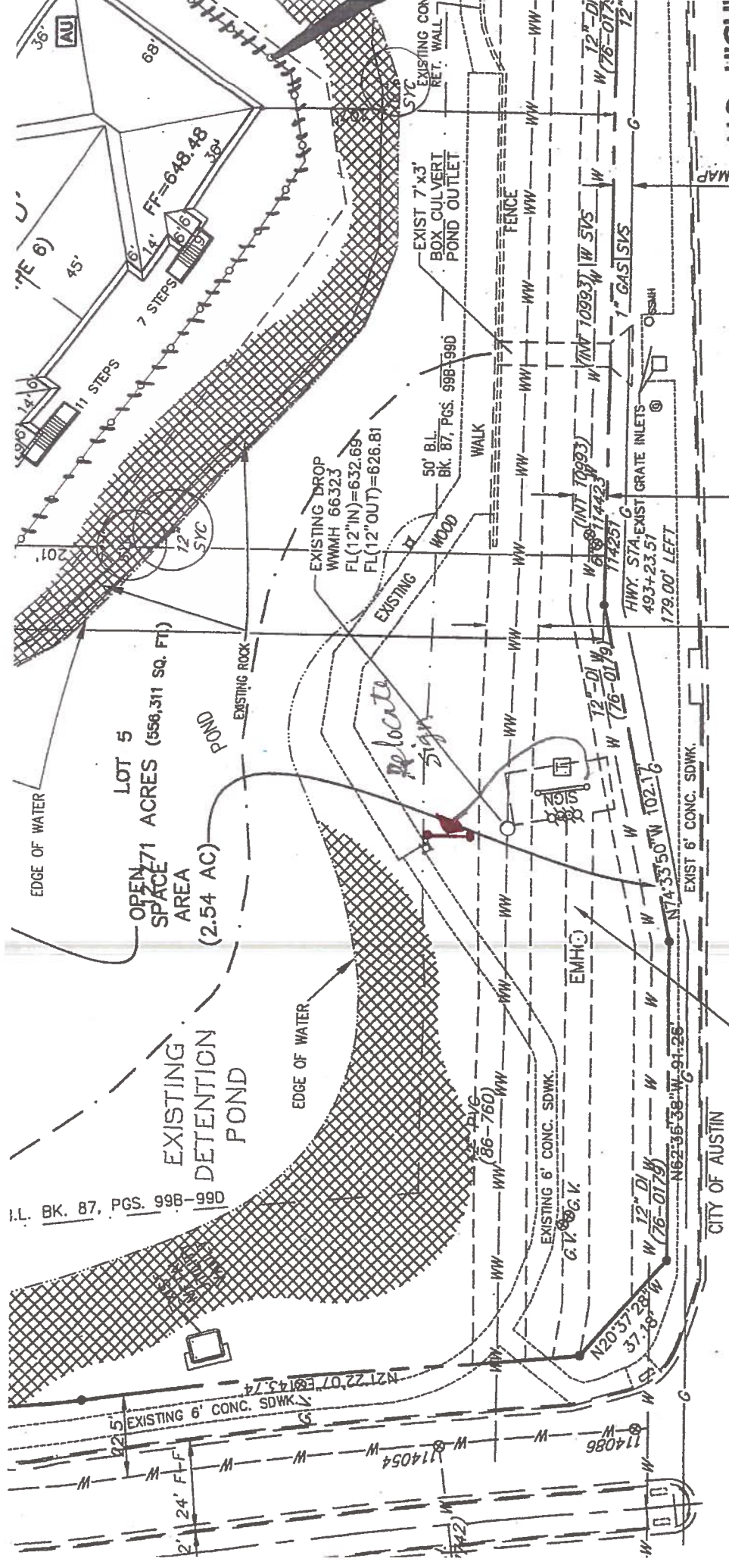
Agent Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone (will be public information): \_\_\_\_\_

Email (optional – will be public information): \_\_\_\_\_





C01/12

U.S. HIGH!  
(R.O.W. V

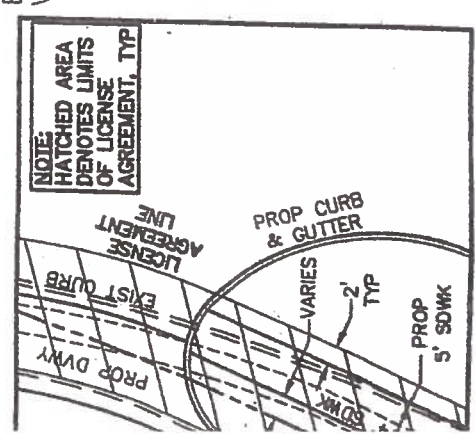
5.5' TYP PER MAP  
TGS SYSTEM MAP

PARKING PROVIDED

|             |     |
|-------------|-----|
| FULL SIZED  | 329 |
| COMPACT     | 137 |
| HANDICAPPED | 14  |
| TOTAL       | 480 |

PARKING REQUIRED

| UNIT      | NUMBER | PARKING REQUIREMENT | TOTAL SPACES REQUIRED |
|-----------|--------|---------------------|-----------------------|
| 1 BEDROOM | 38     | 1.5 SPACES PER UNIT | 54                    |
| 2 BEDROOM | 108    | 2.0 SPACES PER UNIT | 216                   |
| 3 BEDROOM | 84     | 2.5 SPACES PER UNIT | 210                   |
| TOTAL     |        |                     | 480                   |



DETAIL 'A'

SCALE: 1"=20'



April 19, 2018

Structural Calculations

Prepared For:

Facility Solutions Group  
10212 Metric Blvd.  
Austin, TX. 78758

Project:

JTS\_74218  
Norwood Assn – Pylon A  
1030 Norwood Park Blvd.  
Austin, TX

Prepared By:


YJ Inc.  
P.O. Box 802050  
Santa Clarita, CA 91380



YJ Inc.  
F-19272

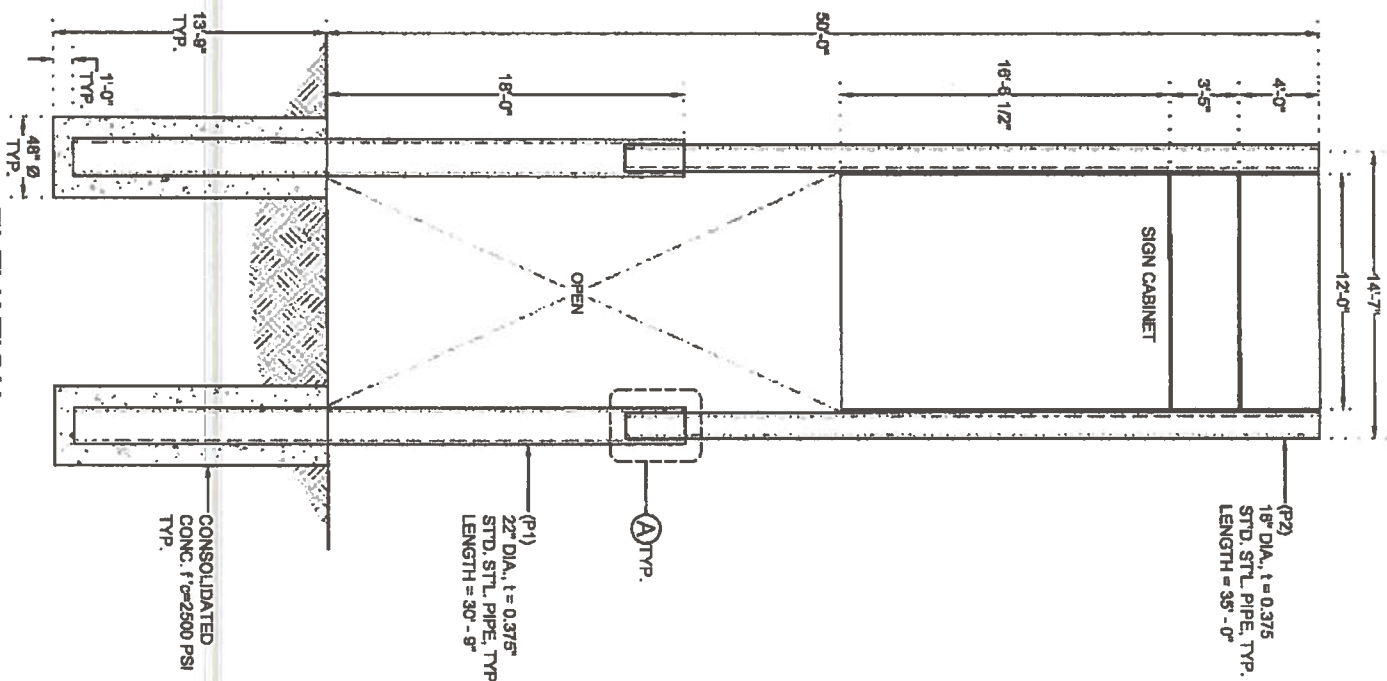
APR 19 2018



  
www.jinc.com  
P.O. BOX 802550  
SANTA CLARITA, CA. 91380  
TEL. (661)259-0700 FAX (661)259-0900

**SHEET TITLE:**

**NORWOOD ASSN  
PYLON A**



## ELEVATION

N.T.S.

## NOTES:

**GENERAL:**

- SIGN DESIGN IS BASED ON ADEQUATE EXISTING SUPPORT ELEMENTS.
- PROVIDE ISOLATION OF DISSIMILAR MATERIALS.
- COAT ALUMINUM IN CONTACT WITH CONCRETE WITH ZINC RICH PAINT.
- THERE IS NO PROTECTION ZONE AS DEFINED IN AISC 341-10.
- PROVIDE PULLY WELDED END CAPS AT EXPOSED OPEN ENDS OF STEEL / ALUM. TUBES, MATCH THICKNESS LIKE FOR LIKE.
- CABINETS SHALL BE CONSTRUCTED OF NONCOMBUSTIBLE MATERIALS
- SLOPE TOP OF EXPOSED FOOTING AWAY FROM DIRECT BURIAL POSTS

**ANCHORS:**

- BRAND NAME APPROVED POST INSTALLED ANCHORS SPECIFIED ON PLANS MAY BE SUBSTITUTED BY APPROVED EQUAL.

**STEEL:**

- DESIGN AND FABRICATION ACCORDING TO 2015 IBC
- PLATE, ANGLE, CHANNEL, TEE, AND WIDE FLANGE: ASTM A36
- ROUND PIPE: ASTM A53 GRADE B OR EQUIVALENT.
- HSS ROUND, SQUARE, AND RECTANGULAR TUBE: ASTM A500 GRADE B OR EQUIVALENT
- ALL ANCHORS BOLTS SHOULD BE: ASTM F1554
- ALL STEEL MACHINED BOLTS SHOULD BE: ASTM A307
- ALL STAINLESS STEEL MACHINED BOLTS SHOULD BE: ASTM F593
- ZINC COATED (HOT DIPPED) PER: ASTM A153 OR F2329
- BEARING TYPE CONNECTION REINFORCING REBAR: ASTM A615 GRADE 60 DEFORMED BARS

**ALUMINUM:**

- DESIGN AND FABRICATION ACCORDING TO 2015 ALUM. DESIGN MANUAL  
· PLATES, ANGLES, CHANNELS, TEE, AND SQUARE TUBING: ALUMINUM  
ALLOY 6061 - T6 WITH 0.006 LBS PER CUBIC INCH.

**WELDING:**

## STEEL

- AWS CERTIFICATION REQUIRED FOR ALL STRUCTURAL WELDERS.
- DESIGN FABRICATION ACCORDING TO AWS D1.1.
- WELDING PER AISC 341-10
- E70 XX ELECTRODE FOR SMAW PROCESS.
- E70S XX ELECTRODE FOR GMAW PROCESS.
- E70T XX ELECTRODE FOR GTAW PROCESS.
- E70T XX ELECTRODE FOR PCAW PROCESS.
- ALL WELDS SHALL BE MADE WITH A FILLER METAL THAT CAN PRODUCE WELDS THAT HAVE A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LB AT ZERO ° AS DETERMINED BY THE APPROPRIATE AWS A5 CLASSIFICATION TEST METHOD OR MFG'S. CERTIFICATION.

AL

- ALL WELDING IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS A.5.10, FILLER ALLOYS PER TABLES M.9.1 & M.9.2 OF 2015 ALUMINUM DESIGN MANUAL.

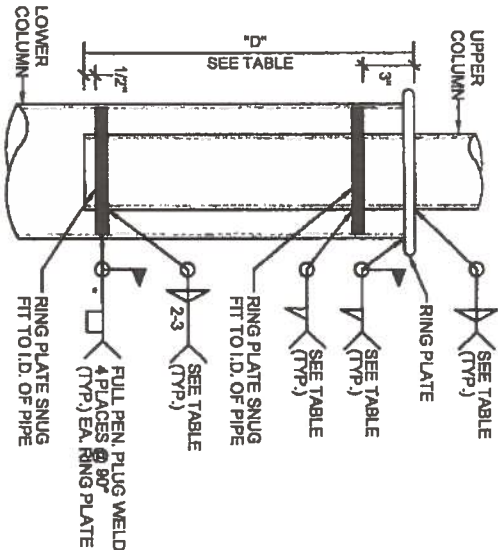
## CONCLUSIONS

## DESIGN AND C

- DESIGN AND CONSTRUCTION ACCORDING TO ACI 318-14
- COMPRESSIVE STRENGTH AT 28 DAYS,  $f'_{c} \geq 2500$  PSI MINIMUM.
- CEMENT TYPE II OR IV, W/C RATIO 0.45 BY WEIGHT FOR PIER AND CAISSON FOOTINGS
- CONCRETE MUST BE POURED AGAINST UNDISTURBED EARTH.
- MAINTAIN A MINIMUM 3" CONCRETE COVER OVER ALL EMBEDDED STEEL

## SOIL

- LATERAL SOIL BEARING PER IBC CLASS 5 TABLE 1806.2.2  
(100 PSF/FT).**



| UPPER COL. DIA. | "D" | WELD SIZE | RING PL. |
|-----------------|-----|-----------|----------|
| 16" Ø           | 36" | 1/4"      | 1/2"     |

- LENGTH OF PLUG WELDS TO BE 1/8 OF LOWER COLUMN DIA., MINIMUM 1/2"
- SPECIAL INSPECTION REQUIRED FOR FIELD WELD

## STEP DOWN

N.T.s

[illegible]

Pole Footing Embedded in Soil

Printed: 18 APR 2018, 8:23AM  
File = Z:\V\J\SIGN-30218\JT-1174218\_-1\JTS\_74-1 E06  
ENERCALC, INC 1983-2017, Build:10.17.8.29, Ver:10.17.8.29  
License: JTS INC

Description : Pylon A Concrete Footing

Code References

Calculations per IBC 2015 1807.3, CBC 2016, ASCE 7-10  
Load Combinations Used : IBC 2015

General Information

Pole Footing Shape Circular  
Pole Footing Diameter 48.0 in  
Calculate Min. Depth for Allowable Pressures  
No Lateral Restraint at Ground Surface  
Allow Passive 200.0 pcf  
Max Passive 1,500.0 psf

Controlling Values

Governing Load Combination : +D+0.60W

Lateral Load 5.886 k

Moment 193.414 k-ft

NO Ground Surface Restraint

Pressures at 1/3 Depth

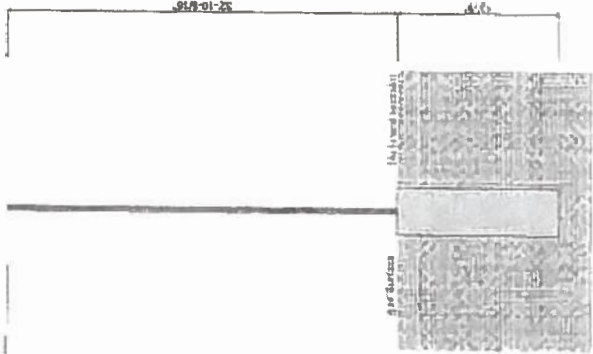
Actual 910.90 psf

Allowable 911.90 psf

Minimum Required Depth 13.750 ft

Footing Base Area 12.566 ft^2

Maximum Soil Pressure 0.1016 ksf



Applied Loads

| Lateral Concentrated Load (k)      |           | Lateral Distributed Loads (klf) |      | Vertical Load (k) |         |
|------------------------------------|-----------|---------------------------------|------|-------------------|---------|
| D : Dead Load                      | k         |                                 | k/ft |                   | 1.277 k |
| Lr : Roof Live                     | k         |                                 | k/ft |                   | k       |
| L : Live                           | k         |                                 | k/ft |                   | k       |
| S : Snow                           | k         |                                 | k/ft |                   | k       |
| W : Wind                           | 9.810 k   |                                 | k/ft |                   | k       |
| E : Earthquake                     | k         |                                 | k/ft |                   | k       |
| H : Lateral Earth                  | k         |                                 | k/ft |                   | k       |
| Load distance above ground surface | 32.860 ft |                                 | ft   |                   |         |
|                                    |           |                                 | ft   |                   |         |

Load Combination Results

| Load Combination | Forces @ Ground Surface |                | Required Depth - (ft) | Pressure at 1/3 Depth |             | Soil Increase |  |
|------------------|-------------------------|----------------|-----------------------|-----------------------|-------------|---------------|--|
|                  | Loads (k)               | Moments (ft-k) |                       | Actual (psf)          | Allow (psf) | Factor        |  |
| D Only           | 0.000                   | 0.000          | 0.13                  | 0.0                   | 0.0         | 1.000         |  |
| +D+0.60W         | 5.886                   | 193.414        | 13.75                 | 910.9                 | 911.9       | 1.000         |  |
| +D-0.60W         | 5.886                   | 193.414        | 13.75                 | 910.9                 | 911.9       | 1.000         |  |
| +D+0.450W        | 4.415                   | 145.060        | 12.38                 | 820.4                 | 820.6       | 1.000         |  |
| +D-0.450W        | 4.415                   | 145.060        | 12.38                 | 820.4                 | 820.6       | 1.000         |  |
| +0.60D+0.60W     | 5.886                   | 193.414        | 13.75                 | 910.9                 | 911.9       | 1.000         |  |
| +0.60D-0.60W     | 5.886                   | 193.414        | 13.75                 | 910.9                 | 911.9       | 1.000         |  |
| +0.60D           | 0.000                   | 0.000          | 0.13                  | 0.0                   | 0.0         | 1.000         |  |



C01/16

Pole Footing Embedded in Soil

File # : JTS\_74-1 E06

File = Z:\VISIGN-32018\JTS\_74-1 E06  
ENERCALC, INC. 1983-2017 Build:10.17.8.29  
Ver:10.17.8.29

Printed: 18 APR 2018, 8:24AM

Description : Pylon B Concrete Footing

Code References

Calculations per IBC 2015 1807.3, CBC 2016, ASCE 7-10  
Load Combinations Used : IBC 2015

General Information

Pole Footing Shape Circular  
Pole Footing Diameter 30.0 in  
Calculate Min. Depth for Allowable Pressures  
No Lateral Restraint at Ground Surface  
Allow Passive 200.0 psf  
Max Passive 1,500.0 psf

Controlling Values

Governing Load Combination : +D+0.60W

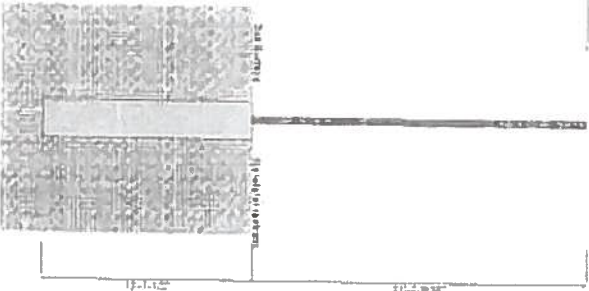
Lateral Load 4.806 k  
Moment 103.954 k-ft

NO Ground Surface Restraint

Pressures at 1/3 Depth  
Actual 905.66 psf  
Allowable 905.76 psf

Minimum Required Depth 13.625 ft

Footing Base Area 4.809 ft<sup>2</sup>  
Maximum Soil Pressure 0.2375 ksf



Applied Loads

| Lateral Concentrated Load (k)      |           | Lateral Distributed Loads (klf)     |    | Vertical Load (k) |  |
|------------------------------------|-----------|-------------------------------------|----|-------------------|--|
| D : Dead Load                      | k         |                                     |    | 1.166 k           |  |
| L : Roof Live                      | k         |                                     |    | k                 |  |
| L : Live                           | k         |                                     |    | k                 |  |
| S : Snow                           | k         |                                     |    | k                 |  |
| W : Wind                           | 8.010 k   |                                     |    | k                 |  |
| E : Earthquake                     | k         |                                     |    | k                 |  |
| H : Lateral Earth                  | k         |                                     |    | k                 |  |
| Load distance above ground surface |           | TOP of Load above ground surface    | ft |                   |  |
|                                    | 21.630 ft | BOTTOM of Load above ground surface | ft |                   |  |

Load Combination Results

| Load Combination | Forces @ Ground Surface |                  | Required Depth - (ft) | Pressure at 1/3 Depth |               | Soil Increase Factor |
|------------------|-------------------------|------------------|-----------------------|-----------------------|---------------|----------------------|
|                  | Loads - (k)             | Moments - (ft-k) |                       | Actual - (psf)        | Allow - (psf) |                      |
| D Only           | 0.000                   | 0.000            | 0.13                  | 0.0                   | 0.0           | 1.000                |
| +D+0.60W         | 4.806                   | 103.954          | 13.63                 | 905.7                 | 905.8         | 1.000                |
| +D-0.60W         | 4.806                   | 103.954          | 13.63                 | 905.7                 | 905.8         | 1.000                |
| +D+0.450W        | 3.605                   | 77.965           | 12.25                 | 812.2                 | 812.6         | 1.000                |
| +D-0.450W        | 3.605                   | 77.965           | 12.25                 | 812.2                 | 812.6         | 1.000                |
| +0.60D+0.60W     | 4.806                   | 103.954          | 13.63                 | 905.7                 | 905.8         | 1.000                |
| +0.60D-0.60W     | 4.806                   | 103.954          | 13.63                 | 905.7                 | 905.8         | 1.000                |
| +0.60D           | 0.000                   | 0.000            | 0.13                  | 0.0                   | 0.0           | 1.000                |