



ZONING BOARD OF APPEALS
CITY OF NOVI
Community Development Department

Case No. PZ13-0062 26955 Haggerty Rd - Country CousIn (JR Blvd. Entrance)

Location: 26955 Haggerty Road

Zoning District: MH, Mobile Home Park District

The applicant is requesting a variance from CITY OF NOVI, CODE OF ORDINANCES, Section 28-5(2) a.3 to allow installation of a ground sign immediately adjacent (10 ft. setback required) to the right of way line. The property is located east of M-5 and south of Twelve Mile Road.

Ordinance Sections:

CITY OF NOVI, CODE OF ORDINANCES, Section 28-5(2) a.3 requires ground signs be placed a minimum of 3 feet from a future (planned) right of way line.

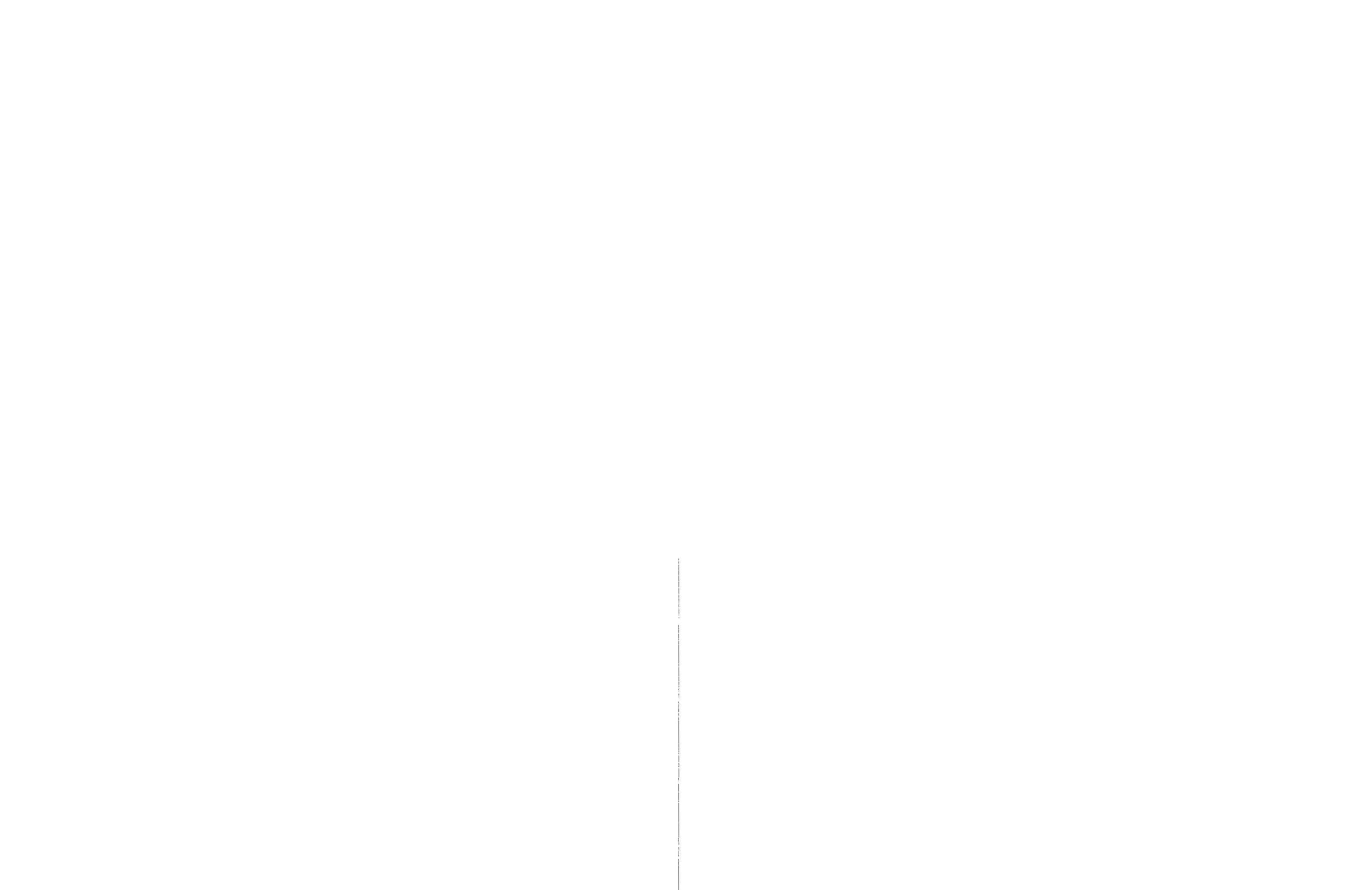
City of Novi Staff Comments:

The applicant plans to install a ground sign for an existing mobile home park. The width of the Haggerty Road right of way has been increased since the mobile home park was originally constructed and there is limited space between the edge of the existing lot and the right of way. The petitioner is requesting approval to place the sign 10 feet from the current (existing) right of way line.

Standards for Granting a Sign Variance

CITY OF NOVI, CODE OF ORDINANCES, Section 28-16 addresses Sign Variance Appeals:

- The request is based upon circumstances or features that are exceptional and unique to the property and do not result from conditions that exist generally in the City or that are self-created, specifically_____.
- The failure to grant relief will unreasonably prevent or limit the use of the property and will result in substantially more than mere inconvenience or inability to attain a higher economic or financial return because_____.
- The grant of relief will not result in a use of structure that is incompatible with or unreasonably interferes with adjacent or surrounding properties, will result in substantial justice being done to both the applicant and adjacent or surrounding properties, and is not inconsistent with the spirit of the ordinance because_____.





cityofnovi.org

ZONING BOARD OF APPEALS
CITY OF NOVI
Community Development Department
(248) 347-0415

RECEIVED
OCT 22 2013

For Official Use Only

ZBA Case No: P2130002 ZBA Date: NOV 19th Payment Received: \$ 300

CITY OF NOVI
COMMUNITY DEVELOPMENT
(Cash)

Check # _____ Include payment with cash or check written to "City of Novi."

TO BE COMPLETED BY APPLICANT - PLEASE PRINT

Please submit one original signed application and 13 copies of all supporting documentation relevant to the appeal.

Applicant's Name Trevor Fuller Date 10/07/13

Company (if applicable) Harmon Sign Inc.

Address* 46593 Grand River Ave. City Novi ST MI ZIP 48374

*Where all case correspondence is to be mailed.

Applicant's E-mail Address: trevor.fuller@harmonsign.com

Phone Number (248) 348-8150 ext. 211 FAX Number (248) 348-4317

Request is for:

Residential Construction (New/ Existing) Vacant Property Commercial Signage

1. Address of subject ZBA case: 26955 Haggerty Rd. ZIP 48377

2. Sidwell Number: 5022 - 13-200-028 may be obtained from Assessing Department (248) 347-0485

3. Is the property within a Homeowner's Association jurisdiction? Yes No

4. Zoning: RA R-1 R-2 R-3 R-4 RT RM-1 RM-2 MH OS-1 OS-2 OSC OST _____ OTHER

5. Property Owner Name (if other than applicant) Country Cousin, Inc.

6. Does your appeal result from a Notice of Violation or Citation Issued? Yes No

7. Indicate ordinance section(s) and variances requested:

- Section 28-5(2)d.3. Variance requested to allow the sign within a planned right-of-way
- Section _____ Variance requested _____
- Section _____ Variance requested _____
- Section _____ Variance requested _____

8. Please submit an accurate, scaled drawing of the property showing:

- All property lines and dimensions correlated with the legal description.
- The location and dimensions of all existing and proposed structures and uses on property.
- Any roads, easements, drains, or waterways which traverse or abut the property and the lot area and setback.
- Dimensions necessary to show compliance with the regulations of this Ordinance.

9. State the practical difficulties which prevent conformance with the Zoning Ordinance requirements (attach separate sheet if necessary):

Sign placement would occur on a residential lot and into the parking lot of main office, visibility from Haggerty Rd. would be limited, would not allowing a reasonable time for motorists to identify the sign/entrance, make a decision and negotiate turn into the property.

10. Describe any unique circumstances regarding the property (i.e., shape, topography, etc.) which are not common to other properties in the area and which prevent strict compliance with the Zoning Ordinance:

The property is located adjacent to a freeway overpass which allows limited visibility to north bound traffic on Haggerty Rd. The planned right-of-way creates a significant green space between the properties and existing road, allowing limited visibility to south bound traffic.

SIGN CASES ONLY:

Your signature on this application indicates that you agree to install a **Mock-Up Sign ten (10) days** before the scheduled ZBA meeting.

Failure to install a mock-up sign may result in your case not being heard by the Board, postponed to the next scheduled ZBA meeting, or cancelled. A mock-up sign is **NOT** to be the actual sign. Upon approval, the mock-up sign must be removed within five (5) days of the meeting. If the case is denied, the applicant is responsible for all costs involved in the removal of the mock-up or actual sign (if erected under violation) within five (5) days of the meeting.

Variance approval is void if permit not obtained within one hundred eighty (180) days of date of decision. There is a five (5) day hold period before work/action can be taken on variance approvals. All property owners' within 300 feet of ZBA property address will be notified of the ZBA case and variance requests.

PLEASE TAKE NOTICE:

The undersigned hereby appeals the determination of the Building Official/ Inspector or Ordinance Officer made

- Construct New Home/Building
- Addition to Existing Home/Building
- Accessory Building
- Use
- Signage
- Other


Applicants Signature

10/7/13
Date

Property Owners Signature

Date

DECISION ON APPEAL

_____ Granted _____ Denied _____ Postponed by Request of Applicant _____ Board _____

The Building Inspector is hereby directed to issue a permit to the Applicant upon the following items and conditions:

Chairperson, Zoning Board of Appeals

Date



May 17, 2013

Harmon Sign Inc.
45693 Grand River
Novi, Michigan 48374

RE: Country Cousins -- 26855 & 26955 HAGGERTY ROAD

The sign permit applications for the above location have been reviewed. The Engineering Division has indicated there is an Oakland County future right-of-way for this location of 60 feet from centerline of Haggerty Road.

Sign Code Section 28-5(2)d.3. requires entranceway signs to be placed not less than ten feet from any right-of-way.

You may submit revised plot plans locating the sign at least 70 feet from centerline of Haggerty Road, or if you wish to request consideration of a variance to allow the sign within the future right-of-way you must first obtain approval from Oakland County and then make application to the Zoning Board of Appeals by contacting the board secretary, Angie Pawlowski, at 248-347-0459.

Please feel free to contact me at 248-347-0438 if you have any questions.

Sincerely,

CITY OF NOVI

Jeannie Niland
Ordinance Enforcement Officer



QUALITY LIFE THROUGH GOOD ROADS:
ROAD COMMISSION FOR OAKLAND COUNTY
"WE CARE."

Board of Road Commissioners

*Ronald J. Fowkes
Commissioner*

*Gregory C. Jamban
Commissioner*

*Eric S. Wilson
Commissioner*

*Dennis G. Kolar, P.E.
Managing Director*

*Gary Plotrowicz, P.E., P.T.O.E.
Deputy Managing Director
County Highway Engineer*

Department of
Customer Services
Permits

2420 Pontiac Lake Road
Waterford, MI
48328

248-868-4835

FAX
248-868-4773

TDD
248-868-8006

www.rcocweb.org

September 11, 2013

Mr. Trevor S. Fuller
Harmon Sign, Inc.
46593 Grand River Ave.
Novi, MI 48374

RE: RCOC Permit Application #33-939
Monument Signs for Country Cousin Community

Dear Mr. Fuller:

We have reviewed the reference application and plans.

Due to the fact that the right of way on Haggerty Road north of Ruston Road is 33 feet wide and is 50 feet wide south of Ruston Road, the proposed work will not be in the right of way. Therefore, no permit from the Road Commission would be required.

Please feel free to contact me at (248) 858-4835 if you have any questions.

Sincerely,

Scott Sintkowski, PE
Permit Engineer

SS/db
Enclosures



BOARD OF COUNTY ROAD COMMISSIONERS, OAKLAND COUNTY, MICHIGAN

PERMIT APPLICATION

MAKE CHECK PAYABLE TO ROAD COMMISSION FOR OAKLAND COUNTY

NO JURISDICTION

FOR R.C.O.C. USE ONLY	
Application No.	33-939
Date Received	8-28-13
Permit E No.	
Date of Issuance	

APPLICANT: Harmon Sign, Inc. hereby makes APPLICATION for a permit to CONSTRUCT, OPERATE, USE and/or MAINTAIN or to TEMPORARILY CLOSE A COUNTY ROAD within the part of the right-of-way of road(s) Southwest of Haggerty Rd. and 12 Mile Rd.

a detailed description of the desired facility and/or activity is required in the space provided below: (include size, length, type of facility; - if underground, indicate depth below surface; if parallel to road, indicate distance from inside edge of facility to edge of pavement, if crossing under roadbed, describe method). THE FOLLOWING MUST BE ATTACHED TO THE APPLICATION WHEN APPLICABLE 1. Plans, specifications and location of facility. 2. Traffic plan and detour route in cases of street closures.

PLEASE CHECK THE APPROPRIATE BOX(ES) THAT APPLY TO THE TYPE OF WORK YOU WISH TO OBTAIN A PERMIT FOR:

- Annual
- Approach/Private Road Access
- Cable TV
- Community Event
- Landscaping/Grading
- Pathway/Sidewalk
- Public Utility (i.e. electric, gas, telephone)
- Sanitary/Storm Sewer
- Sign/Subdivision Entrance Marker
- Soil Boring/Monitoring Well
- Watermain
- Other

Manufacture and install two (2) double-faced monument signs to mark each entrance to the Country Cousin community at 26855 and 26955 Haggerty Road located in a future right-of-way. There's a significant area of land between the development and Haggerty Road, however no room to locate the signs 70 feet from centerline of Haggerty Road per the City of Novi. The signs are required for motorists to identify each development entrance, safely make a decision and turn into the property.

City or Township: Novi Section No.: 13

The above activities will be carried out in accordance with plans, specifications, maps and statements filed with the R.C.O.C. as part of this application, and if said application is approved, the above named applicant agrees to abide by the CONDITIONS contained on the reverse side. Since a permit will have to be secured from the Board prior to the start of any construction or maintenance operations proposed by this application, it is intended that the SUPPLEMENTAL SPECIFICATIONS, on the reverse side, are to be incorporated as part of the plans or specifications required for this proposed work.

FOR R.C.O.C. USE ONLY	
Design:	Right-of-Way:
Traffic:	Maintenance:
Planning:	Construction:
Subdivision:	
Environmental Concerns:	Permits:

FOR R.C.O.C. USE ONLY	
Application Fee: \$100.00	Permit Fee: \$
Receipt No: 547227	Deposit: \$
Bond: \$	Estimated Inspection Fee: \$
(RCOC Form 75)	Paint Fee: \$
	Sign Fee: \$
	Signal Fee: \$
TOTAL FEES DUE	
AT TIME OF PERMIT ISSUANCE: \$	
Proof of Insurance Required	Yes <input type="checkbox"/> No <input type="checkbox"/>
Pollution Liability Required	Yes <input type="checkbox"/> No <input type="checkbox"/>

This application is approved subject to CONDITIONS and SUPPLEMENTAL SPECIFICATIONS contained on the reverse side of this application. Approval of this application does not relieve applicant from meeting any applicable requirements or duties of law or other public bodies or agencies including but not limited to the Michigan Department of Natural Resources. APPROVAL OF THIS APPLICATION EXPIRES IN ONE YEAR IF A PERMIT HAS NOT BEEN ISSUED. RESUBMITTAL OF CURRENT PLANS, PERMIT APPLICATION REVIEW FEES AND PERMIT APPLICATION IS REQUIRED IF APPROVAL OF THIS APPLICATION HAS EXPIRED.

REFER ALL INQUIRIES TO (248) 858-4835 DEPARTMENT OF CUSTOMER SERVICES / PERMITS 2420 PONTIAC LAKE ROAD WATERFORD, MI 48328

Harmon Sign, Inc.	
APPLICANT (PRINT OR TYPE)	
SIGNATURE	DATE
Trevor S. Fuller - Account Executive	8/28/13
PRINTED (TYPE) SIGNATURE & TITLE	
46593 Grand River Avenue	248-348-8150 ext. 211
APPLICANT'S ADDRESS	
NOV 13 2013	
CITY STATE ZIP CODE	

APPLICATION APPROVED: By: _____ Date: _____

trevor.fuller@harmonsign.com

Novi, MI



NEW ENTRYWAY SIGN - D/F




HARMONSIGN
 800.338.9773 Toll Free
 www.HARMONSIGN.com

7544 West Central Ave. 46593 Grand River Ave
 Toledo, Oh 43617 Novi, MI 48374
 419.841.6656 Phone 248.348.8150 Phone
 419.841.7166 Fax 248.348.4317 FAX

CUSTOMER COUNTRY COUSIN
LOCATION NOVI, MI
ADDRESS 26955 HAGGERTY RD

SALESPERSON TREVOR FULLER
DRAWING # 001625

SCALE 1/2" = 1'-0"
FILENAME COUCO-NM-13-MON
DRAWN BY GARY ALUMBAUGH
DATE 2-7-13
REVISION# GA 2-11-13

SIGN TYPE MONUMENT SIGN

QUANTITY 1

GRAPHICS

- DIGITAL PRINT
- VINYL
- PAINTED

ARTWORK

- PRODUCTION READY
- PRESENTATION ONLY
- NETWORK

COLORS:

- WHITE
- BLACK
- GOLD PERFORATED (WHITE NIGHT)
- 3630-1S6 VIVID GREEN

MOUNTING FACE

- FLUSH SINGLE
- RACEWAY DOUBLE

LIGHTING

- LIGHTED NON-LIGHTED

TYPE: INTERNALLY

SQ. FTG. ALLOWANCE 24

SITE MEASUREMENTS

ADDITIONAL NOTES
ROUTERED ALUM. FACES w/ PLEX BACKERS
ALUM. DETAILS

Map Produced Using the
City of Novi, Michigan
Internet Mapping Portal

MAP INTERPRETATION NOTICE

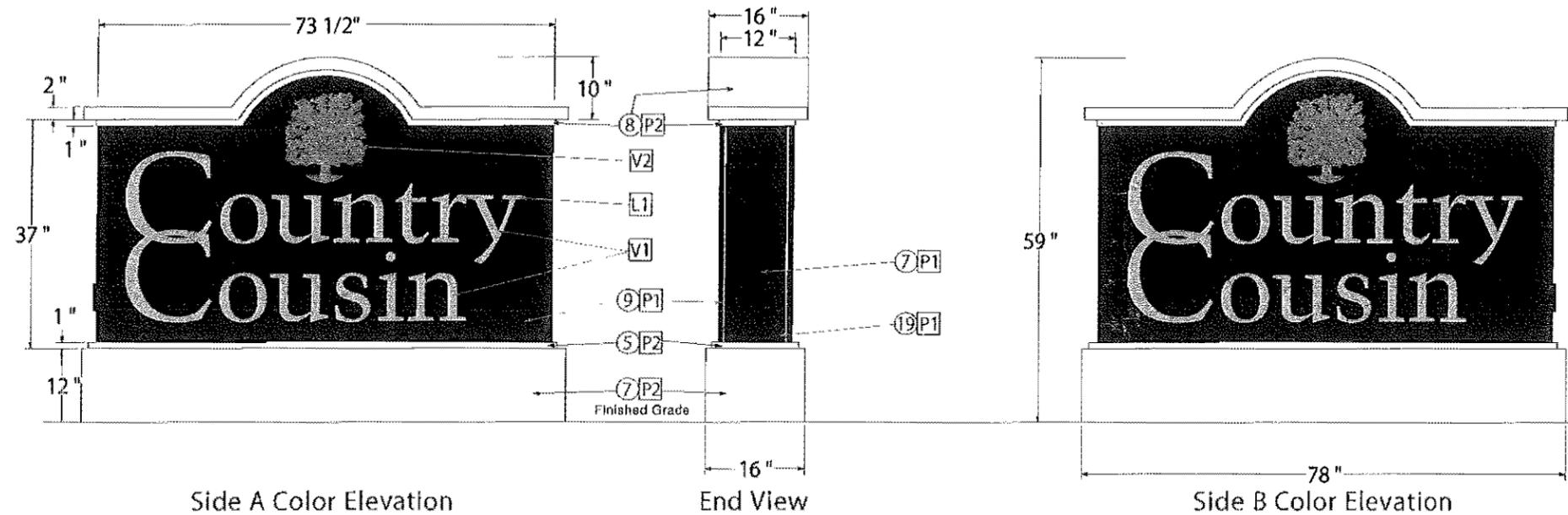
Author
Date: 4/2/2013

SIGN LOCATION PLAN
26955 Haggerty Rd.

This Design & Engineering is submitted as our
proposal and is to remain our property exclusively
until accepted and approved by purchase.
Copyright 2013 Harmon Sign

ESTIMATED BILL OF MATERIALS

No.	Qty.	Part #	DESCRIPTION
01	4 1/2'	R10200	3" Steel Pipe, Schedule 40, 3 1/2" OD
02	2	S13210	1/4" Steel Plate, 12" x 12"
03	12'	R08005	1" Steel Pipe, Schedule 40
04	13'	R12200	2" x 2" x 3/16" Aluminum Angle, Structural
05	15'	R17800	1" x 1" x 1/8" Aluminum Tube
06	20'	R11500	1" x 1" x 1/8" Aluminum Angle
07	1	S11610	.063 Mill 3003 Aluminum Sheet, 48" x 96"
08	1/2	S11700	.080 Mill 3003 Aluminum Sheet, 48" x 96"
09	2	S11860	.100 Mill 3003 Aluminum Sheet, 48" x 96"
10	7'	F13935	CO-OP Raceway
11	3	L22700	Kulka 582-G Snap-in Sockets
12	3	L22800	Kulka 583-G Snap-in Sockets
13	1	B28001	ESB432-14 Electronic Ballast
14	1	E50200	Switch Single Pole, 120/277, Pass & Seymour, #PS20AC1
15	1	E49205	Mulberry Weather-Proof Single Rcpt Cvr, 30525
16	1	E39600	3" x 2" Switch box, RACO 500
17	3	L17800	F72T12 Cool White Fluorescent Bulbs
18	2	H19020	1/2" Lift Eye Bolts (Remove after installation)
19	-	-	Flat Head Countersunk Screws
20	-	-	Transpo AP3.5 Break-Away for 3" Pipe
21	-	-	Harmon/Electrical Label
22	-	-	UL Label
P1	-	-	MAP Satin Black
P2	-	-	MAP MP25833 Bone White
V1	-	V42020	3M 3635-210 Perf White painted MP 46400SP Brilliant Gold
V2	-	V41679	3M 3630-156 Vivid Green
L1	-	P19290	5/32" White Lexan Roll

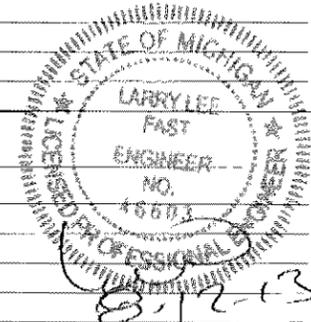


STRUCTURAL NOTES:

- 2011 Michigan Building Code
- Live load: 25 psf
- Wind: 90 mph, Exposure C with 3-second gusts
- Concrete: f'c = 3,000 psi minimum
- Steel Post: ATSM A53, Grade B or A501

GENERAL NOTES:

- All paint colors Matthews Acrylic Polyurethane Satin Finish to match spec UNO



Fabrication Notes

- Top cap to be removable
- Face panels to insert in behind top cap
- Routed letters and tree logo with plex backer
- Side panels removable for light bulb replacement
- All visible fasteners to be painted the same color as adjacent surfaces

Electrical Notes

Lamps: (3) F72T12 H.O. Lamps
 Ballast: ESB432-14 @ 2.34 amps
 Total Amps = 2.34
 Volts = 120V
 (1) 20 amp 120V circuit required

Install Notes

- Transpo break-away on base of sign
- Template to be supplied to locate anchor bolts for break-away



JOB # **048644-2-1**
 JOB NAME **Country Cousin**
 ADDRESS/LOCATION **26955 Haggerty Rd, Novi, MI**

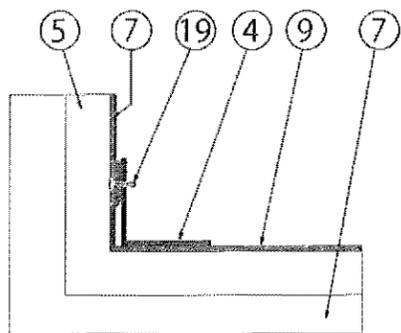
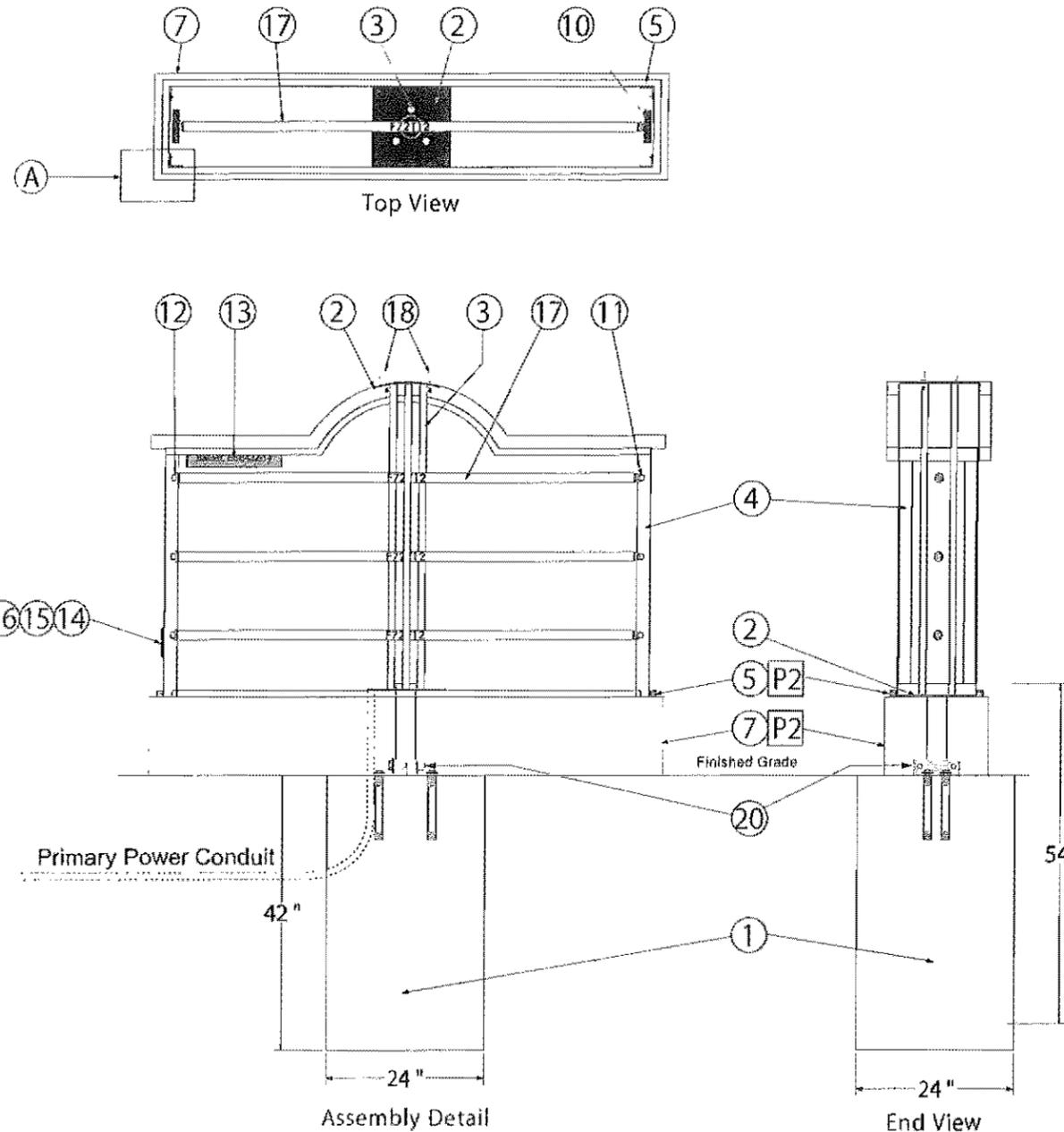
SIGN TYPE/QUANTITY: **QTY. 1 D/F LIGHTED GROUND SIGN**
 FILENAME: **COUCO-NM-13-MON-DF-P** SCALE: **1/2" = 1'0"**
 SALES PERSON: **Trevor Fuller**
 DRAWN BY / DATE: **F. Kocinski/4-24-13**

SHEET 1 OF 4



ESTIMATED BILL OF MATERIALS

No.	Qty.	Part #	DESCRIPTION
01	4 1/2'	R10200	3" Steel Pipe, Schedule 40, 3 1/2" OD
02	2	S13210	1/4" Steel Plate, 12" x 12"
03	12'	R08005	1" Steel Pipe, Schedule 40
04	13'	R12200	2" x 2" x 3/16" Aluminum Angle, Structural
05	15'	R17800	1" x 1" x 1/8" Aluminum Tube
06	20'	R11500	1" x 1" x 1/8" Aluminum Angle
07	1	S11610	.063 Mill 3003 Aluminum Sheet, 48" x 96"
08	1/2	S11700	.080 Mill 3003 Aluminum Sheet, 48" x 96"
09	2	S11860	.100 Mill 3003 Aluminum Sheet, 48" x 96"
10	7'	F13935	CO-OP Raceway
11	3	L22700	Kulka 582-G Snap-in Sockets
12	3	L22800	Kulka 583-G Snap-in Sockets
13	1	B28001	ESB432-14 Electronic Ballast
14	1	E50200	Switch Single Pole, 120/277, Pass & Seymour, #P520AC1
15	1	E49205	Mulberry Weather-Proof Single Rcpt Cvr, 30525
16	1	E39600	3" x 2" Switch box, RACO 500
17	3	L17800	F72T12 Cool White Fluorescent Bulbs
18	2	H19020	1/2" Lift Eye Bolts (Remove after installation)
19	-	-	Flat Head Countersunk Screws
20	-	-	Transpo AP3.5 Break-Away for 3" Pipe
21	-	-	Harmon/Electrical Label
22	-	-	UL Label
P1	-	-	MAP Satin Black
P2	-	-	MAP MP25833 Bone White
V1	-	V42020	3M 3635-210 Perf White painted MP46400SP Brilliant Gold
V2	-	V41679	3M 3630-156 Vivid Green
L1	-	P19290	5/32" White Lexan Roll



A) Corner Section Detail
Scale: 3" = 1' 0"

Fabrication Notes

- Top cap to be removable
- Face panels to insert in behind top cap
- Routed letters and tree logo with plex backer
- Side panels removable for light bulb replacement
- All visible fasteners to be painted the same color as adjacent surfaces

Electrical Notes

Lamps: (3) F72T12 H.O. Lamps
 Ballast: ESB432-14 @ 2.34 amps
 Total Amps = 2.34
 Volts = 120V
 (1) 20 amp 120V circuit required

Install Notes

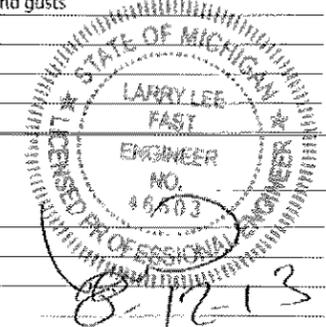
- Transpo break-away on base of sign
- Template to be supplied to locate anchor bolts for break-away

STRUCTURAL NOTES:

- 2011 Michigan Building Code
- Live load: 25 psf
- Wind: 90 mph, Exposure C with 3-second gusts
- Concrete: f'c = 3,000 psi minimum
- Steel Post: ATSM A53, Grade B or A501

GENERAL NOTES:

- All paint colors Matthews Acrylic Polyurethane Satin Finish to match spec UNO



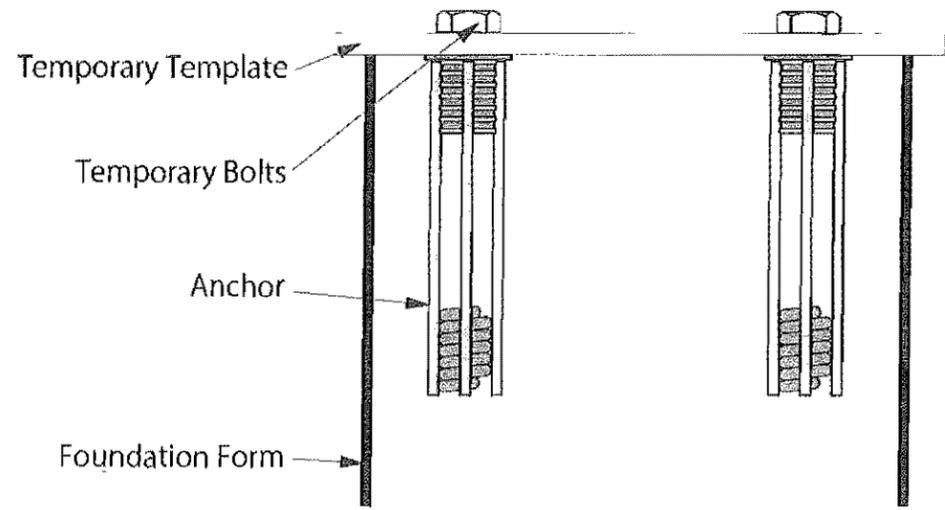
JOB # **048644-2-1**
 JOB NAME **Country Cousin**
 ADDRESS/LOCATION **26955 Haggerty Rd, Novi, MI**

SIGN TYPE/QUANTITY **QTY. 1 D/F LIGHTED GROUND SIGN**
 FILE NAME **COUCO-NM-13-MON-DF-P**
 SALES PERSON **Trevor Fuller**
 DRAWN BY / DATE **F. Kocinski/4-24-13**

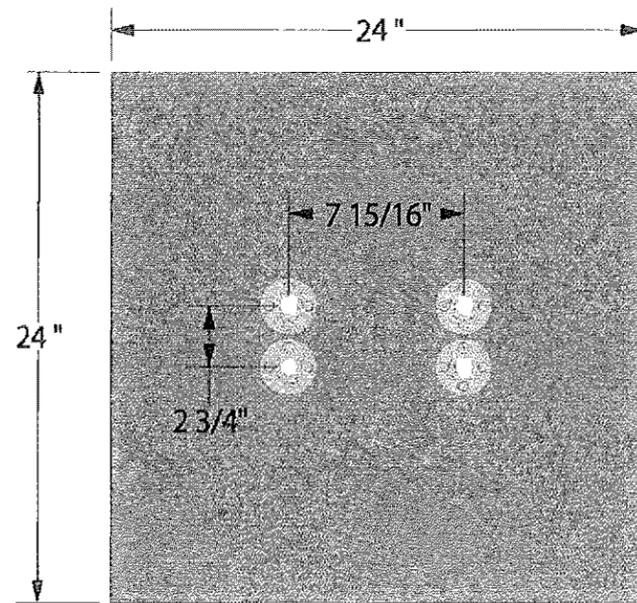
SCALE **1/2" = 1' 0"**
SHEET 2 OF 4

NO.	DATE	DESCRIPTION

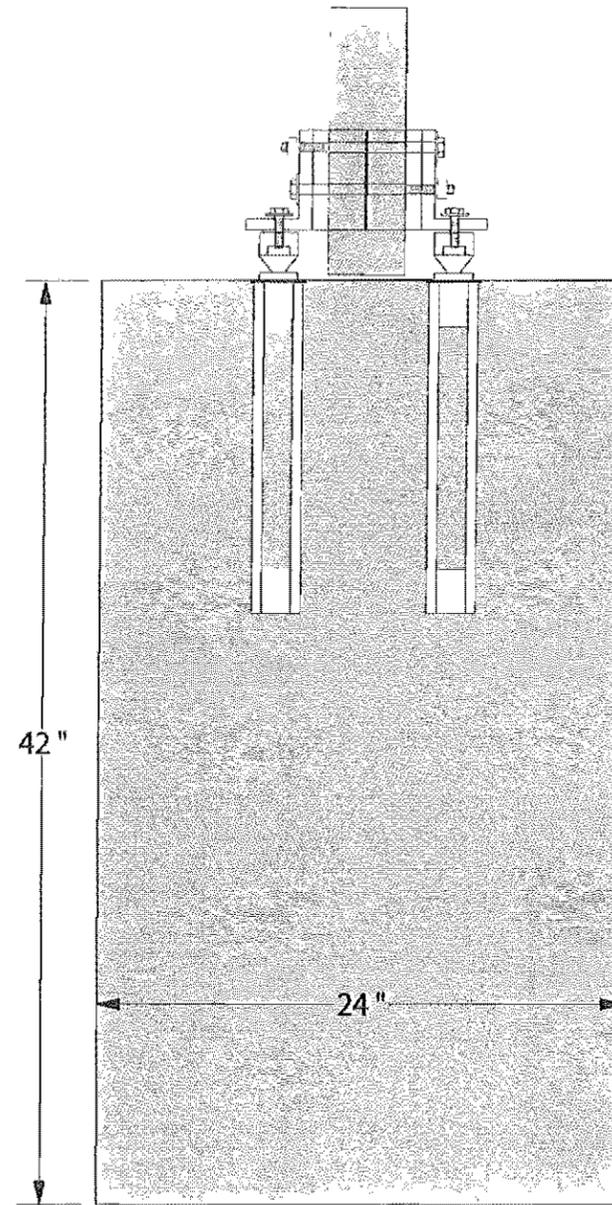
ELECTRICAL TO USE U.L. LISTED COMPONENTS AND SHALL MEET N.E.C. STANDARDS
 Underwriters Laboratories Inc. LTD
ELECTRIC SIGN



Template Layout
N.T.S.



Foundation Plan View



Foundation Detail

ESTIMATED BILL OF MATERIALS

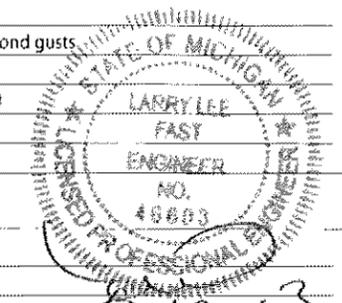
No.	Qty.	Part #	DESCRIPTION
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8-12-13



JOB # **048644-2-1**
 JOB NAME **Country Cousin**
 ADDRESS/LOCATION **26955 Haggerty Rd
Novi, MI**

SIGN TYPE/QUANTITY **QTY. 1 D/F LIGHTED GROUND SIGN**
 FILENAME **COUCO-NM-13-MON-DF-P**
 SALES PERSON **Trevor Fuller**
 DRAWN BY/DATE **F. Kocinski/4-24-13**
 SCALE **1 1/2" = 1' 0"**

SHEET 3 OF 4

ELECTRICAL TO USE U.L. LISTED COMPONENTS AND SHALL MEET N.E.C. STANDARDS
UL Underwriters Laboratories Inc.
ELECTRIC SIGN

INSTALLATION INSTRUCTIONS

ANCHOR ASSEMBLY:

Note: Precise positioning of the anchors is critical to proper assembly of the system. It is recommended that actual posts be used to locate the correct position of the anchors.

1. Fabricate a flat, rigid template with four (4) 16mm (5/8") diameter holes located to match the specified anchor pattern of the Break-Safe Brackets attached to the signpost. See diagram below.
2. Attach four (4) Transpo Type A Female Anchors to the template using four (4) 16mm (5/8") diameter bolts. Ensure that each Anchor Washer is snug against the bottom of the template.
3. Lower Anchor Assembly into fresh concrete foundation, and vibrate into position such that the tops of the Anchor Washers are flush with the finished top surface of the foundation. Support the template such that all Anchors are level and in their proper locations.
4. Allow concrete to cure, and then remove the bolts and template from the top of the foundation.

BRACKET ASSEMBLY:

1. Place Bracket Adaptors (& Adaptor Ring for Models AP3 & AP4) and Brackets squarely on the bottom of the post, such that the lower end of the post is flush with the bottom of both Bracket Adaptors.
2. Secure the Bracket assembly with bolts, lock washers, and nuts. Then, tighten all 1/2 turn beyond snug.
3. Adaptor Ring Provided for AP3 and AP4. Slide Adapter Ring over pipe and secure bracket assembly to pipe.

COUPLING ASSEMBLY:

1. Thread four (4) Break-Safe Couplings into Anchors. Do not tighten.
2. Suspend post assembly over foundation, insert Special Bolts through holes in the Brackets, and thread them snug into the Couplings.
3. If post is not plumb, insert Shims (14g and/or 18g) between the Couplings and Anchors, where needed.
4. Use lower wrench flats to tighten Couplings into Anchors as tight as possible using a conventional wrench. Do not use a pipe wrench. Couplings must be seated squarely.
5. Tighten Special Bolts while holding Couplings by the upper wrench flats with an additional wrench to prevent an induced torque stress across the necked portion of the Coupling. All Special Bolts shall also be tightened as tight as possible using conventional wrenches.

SIGN PANEL ASSEMBLY:

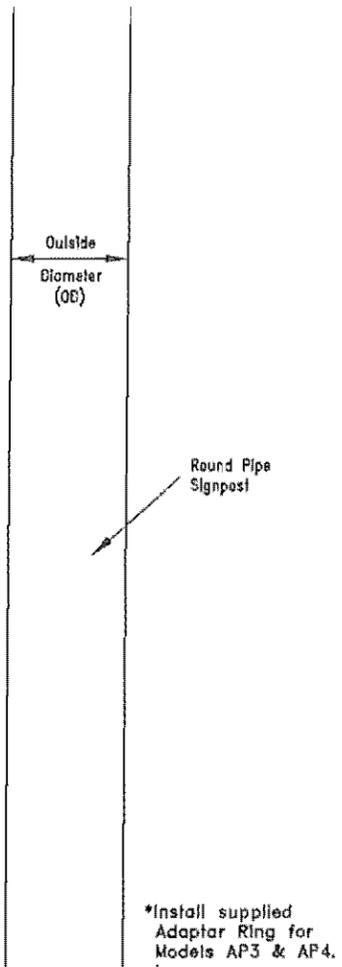
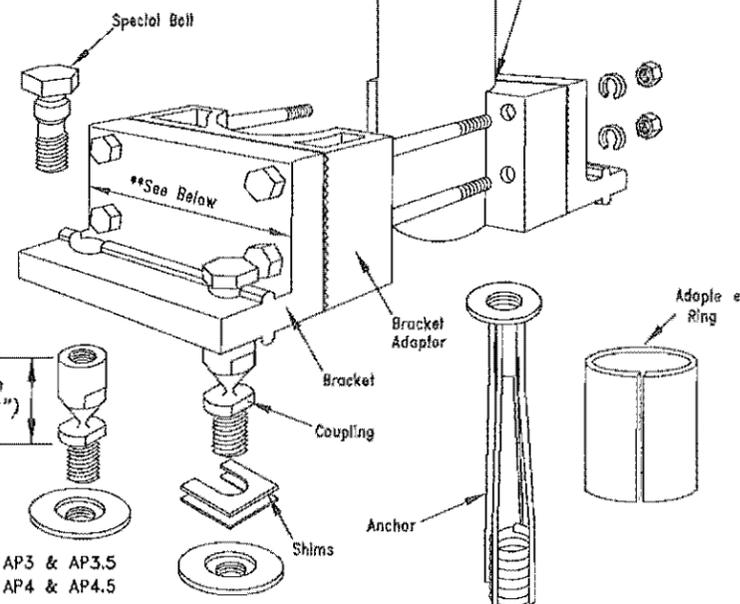
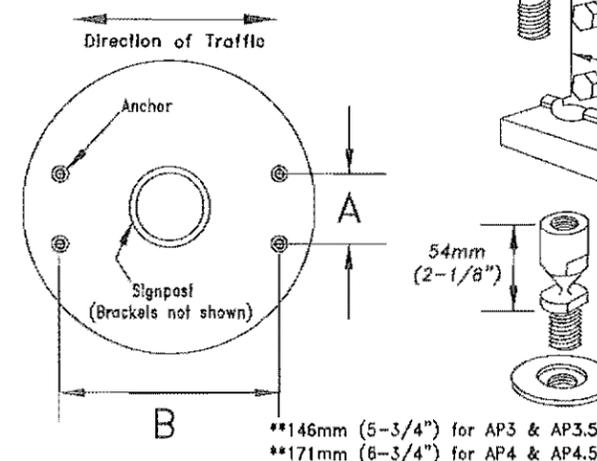
1. After all signposts are secured in place, attach sign panel assembly to posts in accordance with the sign manufacturer's recommendations.

BREAK-SAFE MODEL AP ANCHOR SPACING

BREAK-SAFE MODEL	POST OUTSIDE DIAMETER (OD)	NOMINAL SCH 40 PIPE	A	B
AP3*	73 mm (2-7/8")	2-1/2"	70 mm (2-3/4")	202 mm (7-15/16")
AP3.5	89 mm (3-1/2")	3"	70 mm (2-3/4")	202 mm (7-15/16")
AP4*	102 mm (4")	3-1/2"	83 mm (3-1/4")	227 mm (8-15/16")
AP4.5	114 mm (4-1/2")	4"	83 mm (3-1/4")	227 mm (8-15/16")

*Install supplied Adaptor Ring for Models AP3 & AP4.

PLAN VIEW OF TYPICAL FOUNDATION



ESTIMATED BILL OF MATERIALS

No.	Qty.	Part #	DESCRIPTION
01	4 1/2'	R10200	3" Steel Pipe, Schedule 40, 3 1/2" OD
02	2	S13210	1/4" Steel Plate, 12" x 12"
03	12'	R08005	1" Steel Pipe, Schedule 40
04	13'	R12200	2" x 2" x 3/16" Aluminum Angle, Structural
05	15'	R17800	1" x 1" x 1/8" Aluminum Tube
06	20'	R11500	1" x 1" x 1/8" Aluminum Angle
07	1	S11610	.063 Mill 3003 Aluminum Sheet, 48" x 96"
08	1/2	S11700	.080 Mill 3003 Aluminum Sheet, 48" x 96"
09	2	S11860	.100 Mill 3003 Aluminum Sheet, 48" x 96"
10	7'	F13935	CO-OP Raceway
11	3	L22700	Kulka 582-G Snap-in Sockets
12	3	L22800	Kulka 583-G Snap-in Sockets
13	1	B28001	ESB432-14 Electronic Ballast
14	1	E50200	Switch Single Pole, 120/277, Pass & Seymour, #PS20AC1
15	1	E49205	Mulberry Weather-Proof Single Rcpt Cvr, 30525
16	1	E39600	3" x 2" Switch box, RACO 500
17	3	L17800	F72T12 Cool White Fluorescent Bulbs
18	2	H19020	1/2" Lift Eye Bolts (Remove after installation)
19	-	-	Flat Head Countersunk Screws
20	-	-	Transpo AP3.5 Break-Away for 3" Pipe
21	-	-	Harmon/Electrical Label
22	-	-	UL Label

P1	-	-	MAP Satin Black
P2	-	-	MAP MP25833 Bone White
V1	-	V42020	3M 3635-210 Perf White painted MP 4640SP Brilliant Gold
V2	-	V41679	3M 3630-156 Vivid Green
L1	-	P19290	5/32" White Lexan Roll

STRUCTURAL NOTES:

1. 2011 Michigan Building Code
2. Live load: 25 psf
3. Wind: 90 mph, Exposure C with 3-second gusts
4. Concrete: f'c = 3,000 psi minimum
5. Steel Post: ATSM A53, Grade B or A501

GENERAL NOTES:

- All paint colors Matthews Acrylic Polyurethane Satin Finish to match spec UNO



JOB # **048644-2-1**

JOB NAME **Country Cousin**

ADDRESS/LOCATION **26955 Haggerty Rd
Novi, MI**

SIGN TYPE/QUANTITY: **QTY. 1 D/F LIGHTED GROUND SIGN**

FILENAME **COUCO-MM-13-MON-DF-P**

SALES PERSON: **Trevor Fuller**

DRAWN BY / DATE: **F. Kocinski/4-24-13**

SCALE: **3" = 1'0"**

SHEET 4 OF 4

REV	DATE	DESCRIPTION
A		



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