Verizon

MIN MOA ODAS EAST FLAT LOT: EAST



PROJECT DESCRIPTION		
WORK ITEM	SUPPLIED BY	
INSTALL (2) ANTENNAS	VZW	
INSTALL (4) ROUS	VZW	
INSTALL CABLING	GC	
INSTALL (1) DISCONNECT BOX	GC	
INSTALL (1) REPLACEMENT POLE	GC	
INSTALL SHROUD ENCLOSURE	GC	

VICINITY MAP AMERICAN BLVD E SITE-KILLEBREW DR

LOCATION SCAN

SHEET INDEX SHEET DESCRIPTION PROJECT INFORMATION, MAPS, DIRECTIONS, & SHEET INDEX AERIAL PHOTO & NODE LOCATIONS T-2 A-1 SITE PLAN & PHOTOS A-2 ANTENNA PLAN, SPECS, ANTENNA MOUNT DETAILS, & POLE ELEVATIONS ROU DETAILS, ROU MOUNT DETAILS, & POLE DETAILS A-3 A-4 SPECIFICATIONS & RF STICKERS G-1 GROUNDING PLAN, ELEVATION, & DETAILS LOCUE OLIVAVADV

	ISSUE SUMMARY	
REV	DESCRIPTION	SHEET OR DETAIL
Α	ISSUED FOR REVIEW 09/07/17	ALL

CONTACTS

verizon^v MOA ODAS

MALL OF AMERICA 60 E. BROADWAY BLOOMINGTON, MN 55425 (952) 883-8508 EMAIL: ERIC.ATKINS@MOA.NET VERIZON WIRELESS 10801 BUSH LAKE ROAD BLOOMINGTON, MN 55438 KATIE POSER (612) 968-6077

DESIGN 1 ARCHITECTS LLC 9973 VALLEY VIEW ROAD EDEN PRAIRIE, MN 55344 (952) 903-9299

ARCHITECT:

GENERAL NOTES

- In the event that Special Inspections are not performed in compliance with the contract terms, bid specifications and/or specified form, the General Contractor will be liable for all damages, construction performance, failures, and corrective actions related to the same.
- The following general notes shall apply to drawings and govern unless otherwise noted or specified.
- The work delineated in these drawings and described in the specifications shall conform to codes, standards and regulations that have jurisdiction in the state of MN, and the city of BLOOMINGTON.
- Requirements and regulations pertaining to R.F. safety codes and practices must be incorporated in the work even though they may not be listed individually and separately in either the drawings or the specifications
- Compare field conditions with architectural and engineering drawings. Any discrepancies shall be directed to the Architect for clarification prior to fabrication and/or construction. Submit necessary shop drawings prior to fabrication for approval by the Architect. No information or details on these sheets may be used without the permission of the owner, or the architect.
- Do not scale drawings! 11" x 17" drawings to scale 24" x 36" drawings scale multiply by 2.
- Unless otherwise shown or noted, typical details shall be used where applicable.
- Details shall be considered typical at similar conditions.
- Safety measures: The contractor shall be solely and completely responsible for the conditions of the job site, including safety of the persons and property and for independent engineering reviews of these conditions. The Architect's or Engineers' job site review is not intended to include review of the adequacy of the contractor's safety measures.
- 10. Within these plans and specifications, "Owner" implies VERIZON WIRELESS.
- 11. The work is the responsibility of the general contractor unless noted otherwise
- 12. The terms "contractor" and "g.c." refer to the owner's general contractor and the general contractor's sub-contractors. It is the general contractor's responsibility to determine the division of work among sub-contractors.
- 13. The general contractor is responsible in obtaining necessary public and private underground utility locate services prior to start of excavating / construction.

PROJECT INFORMATION

27'-2.25" AGL

SITE NAME: MIN MOA ODAS EAST FLAT LOT: EAST

8201 24TH AVENUE SOUTH SITE ADDRESS: BLOOMINGTON, MN 55425

HENNEPIN COUNTY: LATITUDE: N 44° 51' 14.34" LONGITUDE: W 93° 14' 0.68' GROUND ELEVATION: 813' AMSL

ANTENNA CENTERLINE HEIGHT: 26'-6" AGL STRUCTURE HEIGHT SEE A-2

ANTENNA TIP HEIGHT:

DEPARTMENTAL APPROVALS RF ENGINEER CONSTRUCTION ENGINEER **EQUIPMENT ENGINEER**

VERIZON WIRELESS

LESSOR / LICENSOR APPROVAL			
PRINTED NAME	DATE		
LESSOR / LICENSOR: PLEASE CHECK THE APPROPRIATE BOX BELOW			
■ NO CHANGES. ■ CHANGES NEEDED. SEE COMMENTS.			
	PRINTED NAME CHECK THE APPROPRIATE BOX B		

BLOOMINGTON, MN 55425 SHEET CONTENTS:

MIN

EAST FLAT

LOT: EAST

8201 24TH AVENUE SOUTH

NOT FOR CONSTRUCTION

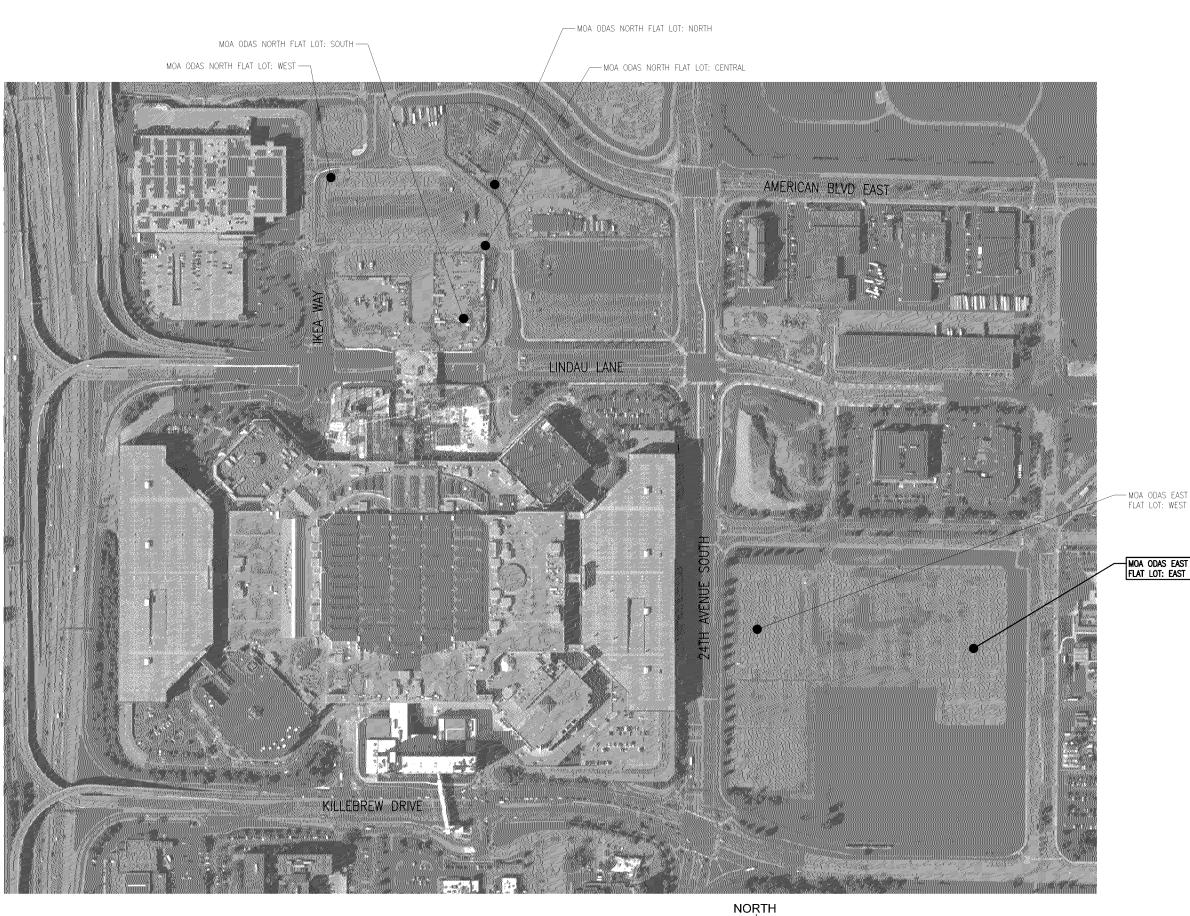
DESIGN

(952) 903-9299 WWW.DESIGN1EP.COM

CONTACTS ISSUE SUMMARY SHEET INDEX DEPARTMENTAL APPROVALS LESSOR APPROVAL PROJECT INFORMATION VICINITY MAP

GENERAL NOTES

CHECKED BY TAP



NOT FOR CONSTRUCTION



9973 VALLEY VIEW RD. EDEN PRAIRIE, MN 55344 (952) 903-9299 WWW.DESIGN1EP.COM



10801 BUSH LAKE ROAD BLOOMINGTON, MN 55438

MIN MOA ODAS EAST FLAT LOT: EAST

8201 24TH AVENUE SOUTH BLOOMINGTON, MN 55425

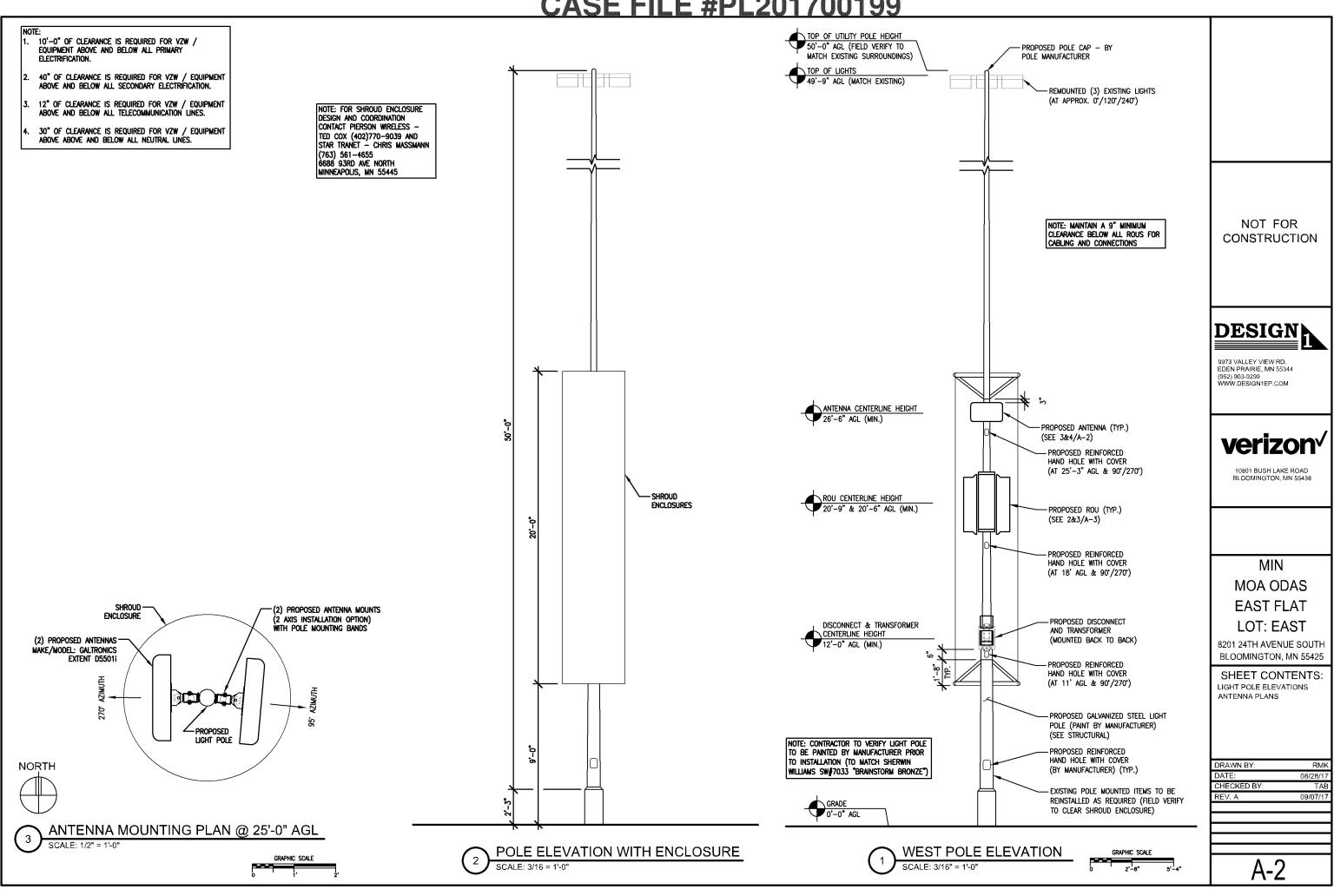
SHEET CONTENTS: AERIAL PHOTO WITH NODE LOCATIONS

DRAWN BY:	RMK
DATE:	08/28/17
CHECKED BY:	TAB
REV. A	09/07/17

T-2

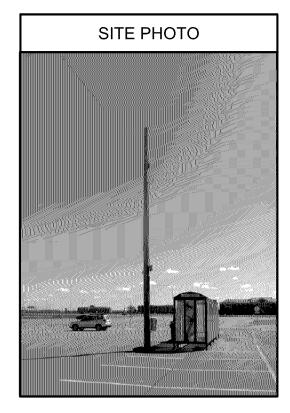
1 AERIAL PHOTO - NODE LOCATIONS
SCALE: N.T.S.





Verizon

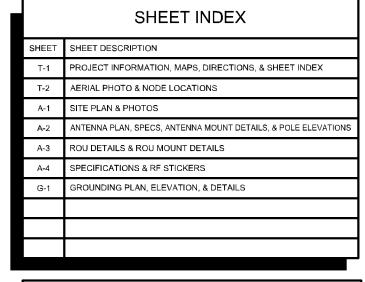
MIN MOA ODAS NORTH FLAT LOT: CENTRAL



PROJECT DESCRIPTION	
WORK ITEM	SUPPLIED BY
INSTALL (4) ANTENNAS	VZW
INSTALL (8) ROUS	VZW
INSTALL CABLING	GC
INSTALL (1) DISCONNECT BOX	GC
INSTALL (1) REPLACEMENT POLE	GC
INSTALL SHROUD ENCLOSURE	GC

VICINITY MAP AMERICAN BLVD E SITE E 80TH ST LINDAU LN

LOCATION SCAN



NOT FOR
CONSTRUCTION

DESIGN

(952) 903-9299 WWW.DESIGN1EP.COM

ISSUE SUMMARY DESCRIPTION SHEET OR DETAIL ISSUED FOR REVIEW 09/07/17

verizon^v

MIN MOA ODAS **NORTH FLAT** LOT: CENTRAL

8000 24TH AVENUE SOUTH BLOOMINGTON, MN 55425

SHEET CONTENTS: CONTACTS ISSUE SUMMARY SHEET INDEX DEPARTMENTAL APPROVALS LESSOR APPROVAL

PROJECT INFORMATION VICINITY MAP GENERAL NOTES

DATE:	08/23/
CHECKED BY:	T.A
REV. A	09/07/

CONTACTS

MALL OF AMERICA 60 E. BROADWAY

BLOOMINGTON, MN 55425

(952) 883-8508 EMAIL: ERIC.ATKINS@MOA.NET

LESSEE: VERIZON WIRELESS 10801 BUSH LAKE ROAD

BLOOMINGTON, MN 55438 KATIE POSER (612) 968-6077

ARCHITECT:

DESIGN 1 ARCHITECTS LLC 9973 VALLEY VIEW ROAD EDEN PRAIRIE, MN 55344 (952) 903-9299

GENERAL NOTES

- In the event that Special Inspections are not performed in compliance with the contract terms, bid specifications and/or specified form, the General Contractor will be liable for all damages, construction performance, failures, and corrective actions related to the same.
- The following general notes shall apply to drawings and govern unless otherwise noted or specified.
- The work delineated in these drawings and described in the specifications shall conform to codes, standards and regulations that have jurisdiction in the state of MN, and the city of BLOOMINGTON.
- Requirements and regulations pertaining to R.F. safety codes and practices must be incorporated in the work even though they may not be listed individually and separately in either the drawings or the specifications
- Compare field conditions with architectural and engineering drawings. Any discrepancies shall be directed to the Architect for clarification prior to fabrication and/or construction. Submit necessary shop drawings prior to fabrication for approval by the Architect. No information or details on these sheets may be used without the permission of the owner, or the architect.
- Do not scale drawings! 11" x 17" drawings to scale 24" x 36" drawings scale multiply by 2.
- Unless otherwise shown or noted, typical details shall be used where applicable.
- Details shall be considered typical at similar conditions.
- Safety measures: The contractor shall be solely and completely responsible for the conditions of the job site, including safety of the persons and property and for independent engineering reviews of these conditions. The Architect's or Engineers' job site review is not intended to include review of the adequacy of the contractor's safety measures.
- 10. Within these plans and specifications, "Owner" implies VERIZON WIRELESS.
- 11. The work is the responsibility of the general contractor unless noted otherwise.
- 12. The terms "contractor" and "g.c." refer to the owner's general contractor and the general contractor's sub-contractors. It is the general contractor's responsibility to determine the division of work among sub-contractors.
- 13. The general contractor is responsible in obtaining necessary public and private underground utility locate services prior to start of excavating / construction.

PROJECT INFORMATION

SITE NAME: MIN MOA ODAS NORTH FLAT LOT: CENTRAL

SITE ADDRESS: 8000 24TH AVENUE SOUTH BLOOMINGTON, MN 55425

HENNEPIN COUNTY: LATITUDE: N 44° 51' 29.97"

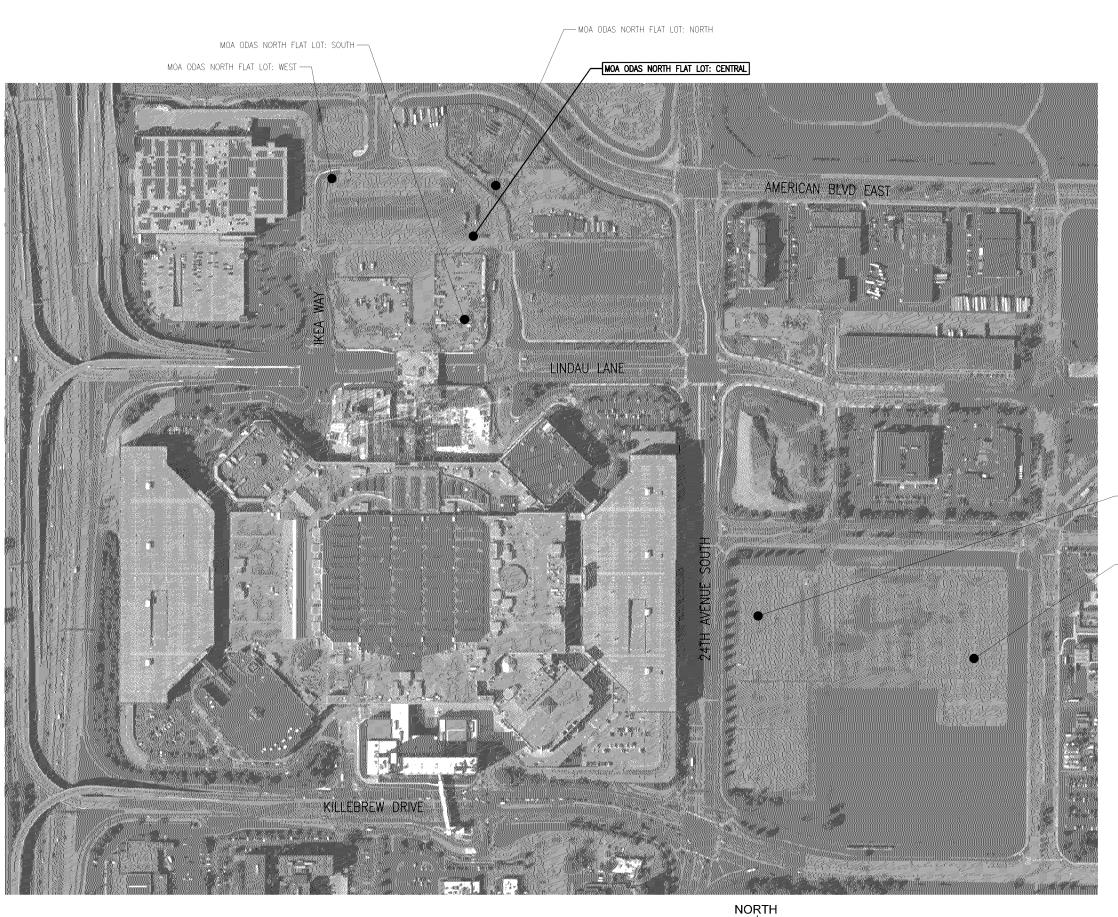
LONGITUDE: W 93° 14' 27 34' GROUND ELEVATION: 829' AMSL

ANTENNA TIP HEIGHT: 27'-2.25" AGL AND 24'11.25" ANTENNA CENTERLINE HEIGHT: 26'-6" AGL AND 24'-3" AGL

STRUCTURE HEIGHT SEE A-2

VERIZON WIRELESS DEPARTMENTAL APPROVALS			
JOB TITLE	NAME	DATE	
RF ENGINEER			
CONSTRUCTION ENGINEER			
EQUIPMENT ENGINEER			

00 40000		
LESSOR / LICENSOR APPROVAL		
RINTED NAME	DATE	
LESSOR / LICENSOR: PLEASE CHECK THE APPROPRIATE BOX BELOW NO CHANGES. CHANGES NEEDED. SEE COMMENTS.		
	RINTED NAME	



NOT FOR CONSTRUCTION



9973 VALLEY VIEW RD. EDEN PRAIRIE, MN 55344 (952) 903-9299 WWW.DESIGN1EP.COM

verizon/

10801 BUSH LAKE ROAD BLOOMINGTON, MN 55438

— MOA ODAS EAST FLAT LOT: EAST

- MOA ODAS EAST FLAT LOT: WEST

> MIN MOA ODAS NORTH FLAT LOT: CENTRAL

8000 24TH AVENUE SOUTH BLOOMINGTON, MN 55425

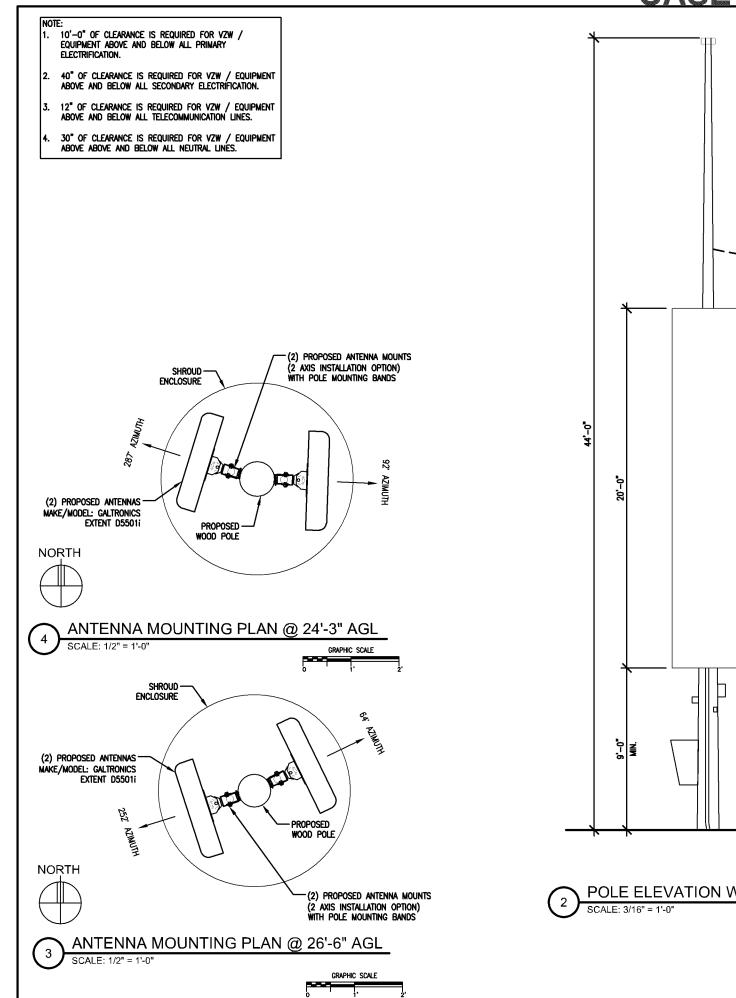
SHEET CONTENTS: AERIAL PHOTO WITH NODE LOCATIONS

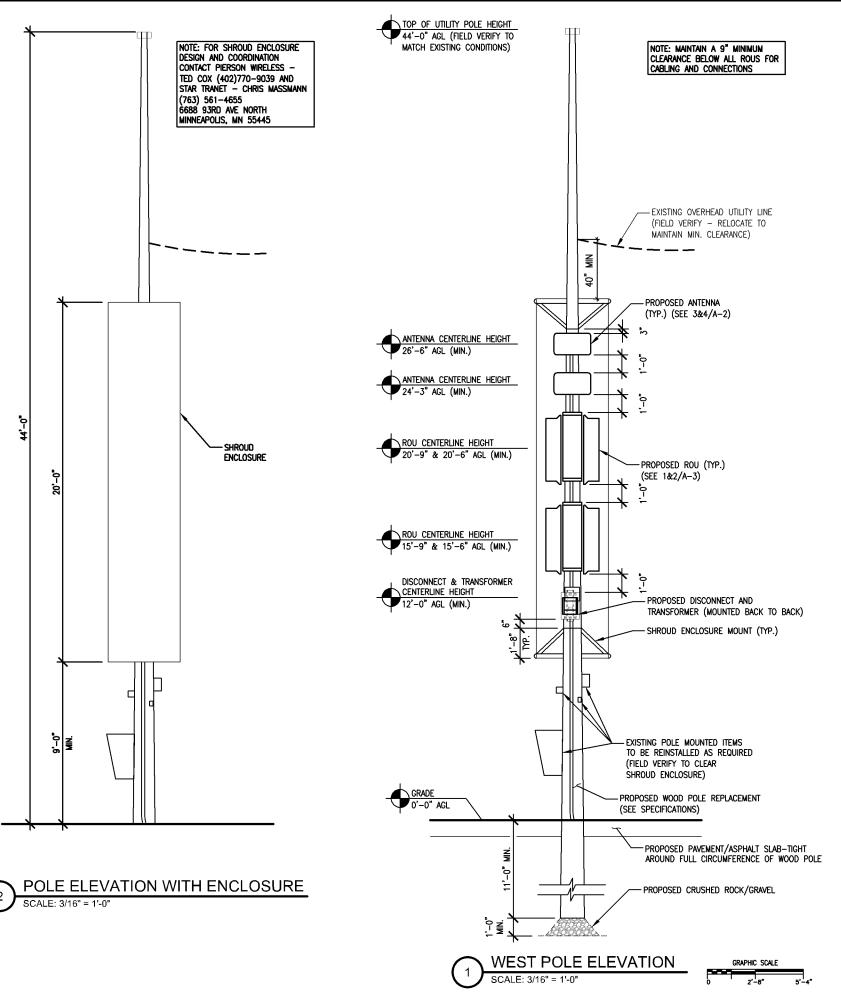
DRAWN BY:	RMK
DATE:	08/23/17
CHECKED BY:	TAB
REV. A	09/07/17

T-2

AERIAL PHOTO - NODE LOCATIONS
SCALE: N.T.S.







NOT FOR CONSTRUCTION



9973 VALLEY VIEW RD. EDEN PRAIRIE, MN 55344 (952) 903-9299 WWW.DESIGN1EP.COM

verizon[/]

10801 BUSH LAKE ROAD BLOOMINGTON, MN 55438

MIN MOA ODAS NORTH FLAT LOT: CENTRAL

8000 24TH AVENUE SOUTH BLOOMINGTON, MN 55425

SHEET CONTENTS: LIGHT POLE ELEVATIONS ANTENNA PLANS

 DRAWN BY:
 RMK

 DATE:
 08/23/17

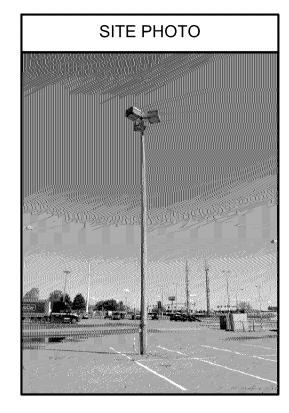
 CHECKED BY:
 TAB

 REV. A
 09/07/17

A-2

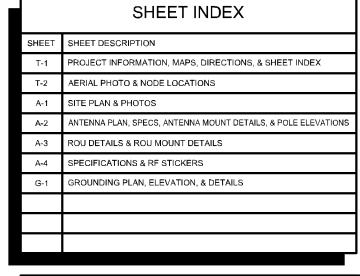
Verizon

MIN MOA ODAS NORTH FLAT LOT: WEST



PROJECT DESCRIPTION		
WORK ITEM	SUPPLIED BY	
INSTALL (1) ANTENNAS	VZW	
INSTALL (4) ROUS	VZW	
INSTALL CABLING	GC	
INSTALL (1) DISCONNECT BOX	GC	
INSTALL (1) REPLACEMENT POLE	GC	
INSTALL SHROUD ENCLOSURE	GC	

VICINITY MAP AMERICAN BLVD E SITE E 80TH ST LINDAULN



NOT FOR CONSTRUCTION

ISSUE SUMMARY DESCRIPTION SHEET OR DETAIL ISSUED FOR REVIEW 09/07/17

CONTACTS

DESIGN

(952) 903-9299 WWW.DESIGN1EP.COM

verizon^v

MIN MOA ODAS **NORTH FLAT** LOT: WEST

8000 24TH AVENUE SOUTH BLOOMINGTON, MN 55425

SHEET CONTENTS: CONTACTS

ISSUE SUMMARY SHEET INDEX DEPARTMENTAL APPROVALS LESSOR APPROVAL PROJECT INFORMATION VICINITY MAP GENERAL NOTES

DATE: 08/23	3/'
CHECKED BY:	ΓΑ
REV. A 09/07	7/1



LOCATION SCAN

MALL OF AMERICA 60 E. BROADWAY BLOOMINGTON, MN 55425 (952) 883-8508 EMAIL: ERIC.ATKINS@MOA.NET 10801 BUSH LAKE ROAD BLOOMINGTON, MN 55438 KATIE POSER (612) 968-6077

ARCHITECT:

RF ENGINEER

CONSTRUCTION ENGINEER

EQUIPMENT ENGINEER

SIGNATURE

DESIGN 1 ARCHITECTS LLC 9973 VALLEY VIEW ROAD EDEN PRAIRIE, MN 55344 (952) 903-9299

VERIZON WIRELESS

DEPARTMENTAL APPROVALS

GENERAL NOTES

- In the event that Special Inspections are not performed in compliance with the contract terms, bid specifications and/or specified form, the General Contractor will be liable for all damages, construction performance, failures, and corrective actions related to the same.
- The following general notes shall apply to drawings and govern unless otherwise noted or specified.
- The work delineated in these drawings and described in the specifications shall conform to codes, standards and regulations that have jurisdiction in the state of MN, and the city of BLOOMINGTON.
- Requirements and regulations pertaining to R.F. safety codes and practices must be incorporated in the work even though they may not be listed individually and separately in either the drawings or the specifications
- Compare field conditions with architectural and engineering drawings. Any discrepancies shall be directed to the Architect for clarification prior to fabrication and/or construction. Submit necessary shop drawings prior to fabrication for approval by the Architect. No information or details on these sheets may be used without the permission of the owner, or the architect.
- Do not scale drawings! 11" x 17" drawings to scale 24" x 36" drawings scale multiply by 2.
- Unless otherwise shown or noted, typical details shall be used where applicable.
- Details shall be considered typical at similar conditions.
- Safety measures: The contractor shall be solely and completely responsible for the conditions of the job site, including safety of the persons and property and for independent engineering reviews of these conditions. The Architect's or Engineers' job site review is not intended to include review of the adequacy of the contractor's safety measures.
- 10. Within these plans and specifications, "Owner" implies VERIZON WIRELESS.
- 11. The work is the responsibility of the general contractor unless noted otherwise
- 12. The terms "contractor" and "g.c." refer to the owner's general contractor and the general contractor's sub-contractors. It is the general contractor's responsibility to determine the division of work among sub-contractors.
- 13. The general contractor is responsible in obtaining necessary public and private underground utility locate services prior to start of excavating / construction.

PROJECT INFORMATION

MIN MOA ODAS NORTH FLAT LOT: WEST SITE NAME:

8000 24TH AVENUE SOUTH SITE ADDRESS: BLOOMINGTON, MN 55425

COUNTY: HENNEPIN LATITUDE: N 44° 51' 31.74" LONGITUDE: W 93° 14' 35 01' GROUND ELEVATION: 829' AMSL ANTENNA TIP HEIGHT: 27'-2.25" AGL

ANTENNA CENTERLINE HEIGHT: 26'-6" AGI STRUCTURE HEIGHT SEE A-2

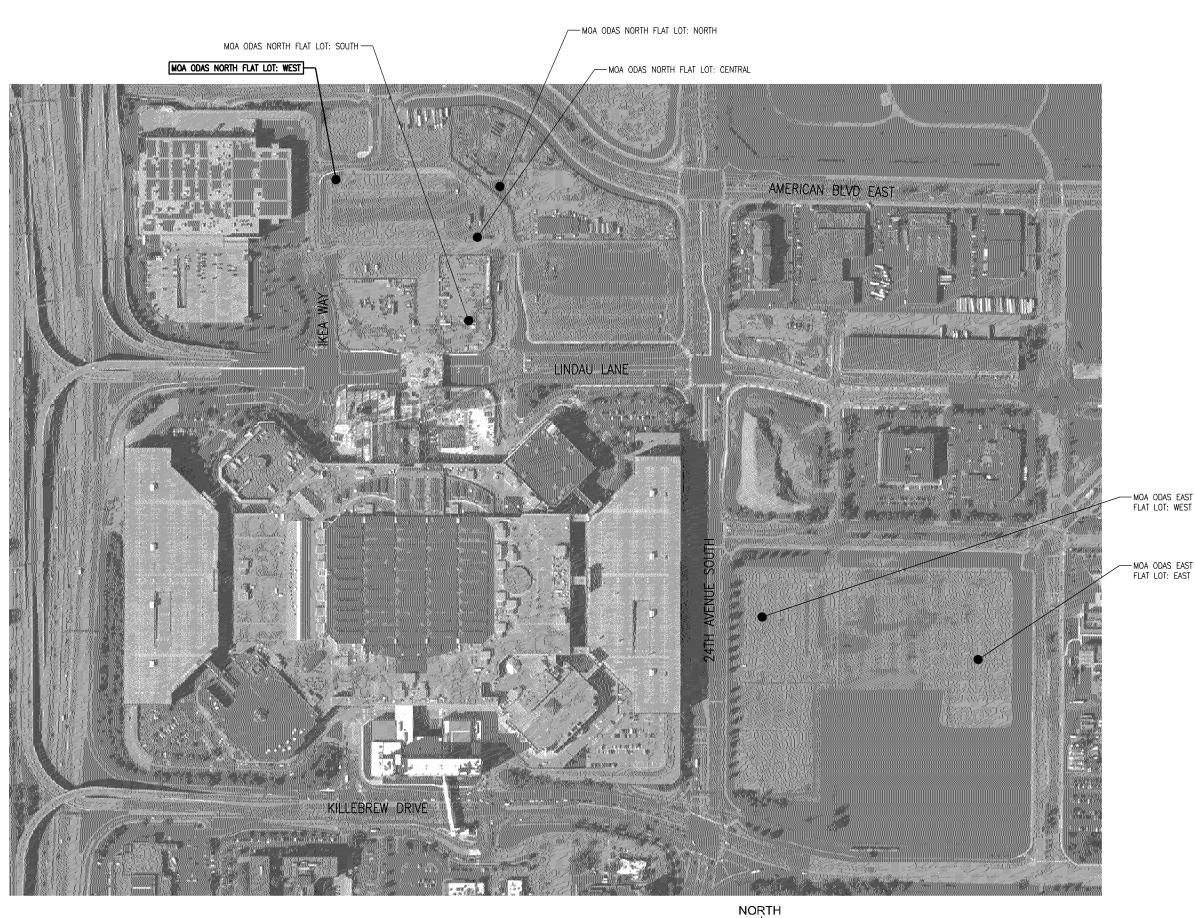
LESSOR / LICENSOR APPROVAL

PRINTED NAME

DATE

LESSOR / LICENSOR: PLEASE CHECK THE APPROPRIATE BOX BELOW

CHANGES NEEDED. SEE COMMENTS



NOT FOR CONSTRUCTION



9973 VALLEY VIEW RD. EDEN PRAIRIE, MN 55344 (952) 903-9299 WWW.DESIGN1EP.COM

verizon/

10801 BUSH LAKE ROAD BLOOMINGTON, MN 55438

MIN MOA ODAS NORTH FLAT LOT: WEST

8000 24TH AVENUE SOUTH BLOOMINGTON, MN 55425

SHEET CONTENTS: AERIAL PHOTO WITH NODE LOCATIONS

DRAWN BY:	RMK
DATE:	08/23/17
CHECKED BY:	TAB
REV. A	09/07/17

T-2

1 AERIAL PHOTO - NODE LOCATIONS
SCALE: N.T.S.



