

**NOTICE OF MEETING
VILLAGE OF FOX POINT
VILLAGE BOARD MEETING
AMENDED [*4e and **7a]

**SCHWEMER HALL – MUNICIPAL BUILDING
7200 N. SANTA MONICA BLVD
FOX POINT, WI 53217**

**TUESDAY
JANUARY 11, 2022
7:00 P.M.**

NOTE: THE VILLAGE BOARD WILL BE MEETING IN PERSON AT VILLAGE HALL, WITH A REMOTE ATTENDANCE OPTION, PER THE HYBRID MEETING PROCEDURES FURTHER DESCRIBED IN SECTION 19-32 D. OF THE VILLAGE CODE. THIS MEETING IS OPEN TO ALL CITIZENS IN PERSON AT VILLAGE HALL, OR THROUGH THE ZOOM PARTICIPANT INFORMATION SHOWN BELOW, SUBJECT TO THE FOLLOWING: NO ASSURANCE IS PROVIDED TO THOSE GOVERNING BODY MEMBERS AND CITIZENS INTENDING TO ATTEND REMOTELY THAT THE TECHNOLOGY WILL PERFORM SUFFICIENTLY TO ALLOW FOR THEIR PARTICIPATION AND THE MEETING WILL PROCEED REGARDLESS. PUBLIC OFFICIALS AND CITIZENS WISHING TO ENSURE THEY CAN PARTICIPATE ARE ENCOURAGED TO ATTEND IN PERSON. CITIZENS ARE ENCOURAGED TO SUBMIT ANY COMMENTS IN WRITING IN ADVANCE OF THE MEETING TO THE VILLAGE MANAGER AT sbotcher@villageoffoxpoint.com.

Zoom Participant Information

<https://us02web.zoom.us/j/85190711430>

Meeting ID: 851 9071 1430

Dial: (312) 626-6799

Meeting ID: 840 4794 6854

AGENDA

- 1. Roll Call**
- 2. Persons desiring to be heard**

At this time, individuals can address the Village Board on one or more topics for up to three-minutes with time extensions at the Village President's discretion. Citizen comment when agenda items are called will be heard at the discretion of the chair, subject to the overall three-minute limit. In connection with non-agenda items, no action will be taken except for possible referrals to individuals or committees.

- 3. Committee Reports**
 - a. Plan Commission**

1. The Village Board will receive a report on the Plan Commission's review and recommendation to the Village Board concerning the submission from Sabre Industries requesting modification of Dish Wireless' existing 100' monopole tower (Dish Wireless LLC Site ID: MWMKE00132) at 7200 N Santa Monica Blvd., Fox Point.

4. Consent Agenda – All items listed under the Consent Agenda will be approved in one motion without discussion unless any Board member requests that the item be removed for individual discussion and possible action. Any item(s) so removed shall be considered individually prior to consideration of any New Business agenda items in the same order in which they were originally listed in the Consent Agenda.

- a. Approve the minutes of the December 14, 2021 Village Board meeting.
- b. Accept the quotes of various vendors for the 2022 Spring Tree Planting Program pursuant to the Village Forester's memorandum dated January 4, 2022, and authorize the Village Manager to approve the purchase orders on behalf of the Village.
- c. Approve a Private Use Agreement with the LX Club, the local senior organization, for the use of Longacre Pavilion.
- d. Accept Baker Tilly Virchow Krause, LLP Engagement Letter for the provision of audit services to the Village of Fox Point.
- e. *Adopt Resolution to designate International Migratory Bird Day to be on May 7, 2022 in the Village of Fox Point.
- f. Approve payment of the bills in the amount of \$1,175,779.60 for the period December 1, 2021 through December 31, 2021 per the report submitted by the Village Manager.

5. New Business

a. Consideration and possible action on Resolution of Commendation for Plan Commission Member Carol Wilkins

The Village Board will discuss and may act to adopt Resolution of Commendation for Plan Commission Member Carol Wilkins.

b. Sabre Industries 100' Monopole at Fox Point – Lombardy, WI concerning the submission requesting modification of Dish Wireless' existing tower at 7200 N Santa Monica Blvd, Fox Point

The Village Board will review and may act on the approval of modifications to Sabre Industries existing 100' monopole tower at 7200 N Santa Monica Blvd, Fox Point.

c. PASER Rating Update

The Village Board will receive a report from the Director of Public Works on the most recent Pavement Surface Evaluation and Rating (PASER) for Village Roads performed Fall 2021. No action will be taken.

d. Change Order Policies

The Village Board will receive a report from staff regarding change order policies and may possibly act to update the Village policy regarding the handling of change orders that arise in the field during construction projects.

6. Future Agenda Items

The Village Board will act on any Trustee requests to place additional matters on an upcoming agenda, without discussion.

7. Closed Session

It is anticipated the Village Board will convene into closed session for the following reason(s):

- a. Pursuant to Wisconsin Statutes Section 19.85(1)(e) to Deliberate or negotiate the purchasing of public properties, the investing of public funds, or conducting other specified public business, whenever competitive or bargaining reasons require a closed session: Specifically, to review and discuss the Memorandum of Understanding executed by Fox Point, River Hills and Bayside concerning the North Shore Library. Participating in the closed session will be the Village Board, Village Manager, Assistant Village Manager, Village Clerk, **North Shore Library Board Member Sandra Grady and Village Attorney.
- b. Pursuant to State Statutes Section 19.85(1)(c), to consider employment, promotion, compensation or performance evaluation data of any public employee over which the governmental body has jurisdiction or exercises responsibility, more specifically concerning the Village Manager. Participating in this portion of the closed session will be the Village Board and Village Manager.

8. Reconvene into Open Session

The Village Board will reconvene into open session and may take action by duly adopted motion or resolution on the above-described matters which were considered in closed session.

9. Announcements

The following individuals will be given the opportunity to make announcements at the meeting in regard to (i) actions taken since the previous Village Board meeting on behalf of the Village, (ii) future Village activities and (iii) communications received from citizens. These matters will not be discussed or acted on, and Board members shall not comment on matters announced by others. Referrals may be made to committees and/or individuals.

- a. Village President Frazer
- b. Trustee Fonstad
- c. Trustee Symchych
- d. Trustee Sumner
- e. Trustee Kravit
- f. Trustee Ollman
- g. Trustee Anderson Knight
- h. Village Manager Scott Botcher

10. Adjourn

NEXT REGULAR VILLAGE BOARD MEETING:

FEBRUARY 8, 2022 7:00 P.M.

PLEASE NOTE:

Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through sign language interpreters or other auxiliary aids. Also, upon reasonable notice, best efforts will be used to ensure that members of the public lacking access to the virtual meeting platform are provided alternative reasonable methods to attend. For additional information or to request these services, contact the Village Clerk at (414) 351-8900. "Persons requiring an interpreter or other assistance should contact the Village Clerk's office 72 hours prior to the meeting. Notice is hereby given that a majority any other board, commission or committee may be present at the meeting to gather information about a subject in which they are interested. This constitutes a meeting of any other board, commission or committee pursuant to State ex rel. Badke v. Greendale Village Bd., 173 Wis. 2d 553, 494 2d 408 (1993), and must be noticed as such, although said boards, commissions or committees will not take any formal action at this meeting."

**VILLAGE OF FOX POINT
VILLAGE BOARD MEETING MINUTES
DECEMBER 14, 2021**

A meeting of the Fox Point Village Board was held by a combination of in-person and virtual attendance via Zoom telephonic and video conferencing on Tuesday, December 14, 2021 in Schwemer Hall, 7200 N. Santa Monica Boulevard. President Frazer called the meeting to order at 7:00 p.m. and asked the Village Clerk Treasurer to take roll call. Roll Call of the Village Board present included:

Village President Douglas H. Frazer
Trustee Eric Fonstad
Trustee Christine Symchych
Trustee Liz Sumner
Trustee Bill Kravit
Trustee Greg Ollman
Trustee Catie Knight

Also, present were Village Attorney Eric Larson, Village Manager Scott Botcher, Public Works Director Scott Brandmeier, Assistant Village Manager Kevin Ausman, and Village Clerk Treasurer Kelly Meyer.

Notice of the meeting was provided to the North Shore Now and to all others as required by State open meetings laws and posted on the official bulletin board at 7200 N Santa Monica Boulevard, as well as the village website at www.villageoffoxpoint.com, as per 2015 Wisconsin Act 79 and as described in Village Ordinance Chapter 116-2, 116-2(C).

Persons desiring to be heard

President Frazer opened public comment.

Andrew Elmer 101 E Bradley Rd.

Mr. Elmer commented on his concerns with the upcoming Bradley Road resurfacing project and traffic speed issues arising from the project.

David Petering, 7229 N Santa Monica Blvd.

Mr. Petering submitted a letter [Exhibit A] to the Village Board in connection with the Cobalt Partners redevelopment proposal. Peterson believes consideration should be given to Fox Point resident surveys, transparency with residents, traffic studies, costs to the village, financial implications of a TID, pool safety, and consultation with nearby residents.

Without objection and hearing no other comments, President Frazer closed the public comment period.

Consent Agenda

- a. Approve the minutes of the November 9, 2021 Village Board meeting.
- b. Approve the minutes of the November 22, 2021 Budget Public Hearing and meeting.
- c. Appoint Election Inspectors for the two-year term of January 1, 2022 through December 31, 2023 per the Village Clerk's memorandum updated November 30, 2021.
- d. Confirm President Frazer's appointment of Russell Yale, M.D. to Plan Commission as replacement for Carol Wilkens.

**VILLAGE OF FOX POINT
VILLAGE BOARD MEETING MINUTES
DECEMBER 14, 2021**

- 53
54 e. Approve Change Order No. 1 from WSO Grading & Excavating in the amount of \$22,084.20
55 for the placement of 4-8 inch stone for the Barnett Lane ravine project and authorize the
56 Village President and Village Clerk/Treasurer to sign the change order per the Director of
57 Public Works' memorandum dated December 7, 2021.
58
59 f. Accept the proposal of Wachtel Tree Science in an amount not to exceed \$44,800 for the
60 2022 Forestry Services and authorize the Village President and Village Clerk/Treasurer to
61 sign the contract per the Director of Public Works' memorandum dated December 7, 2021.
62
63 g. Accept the proposal of Wachtel Tree Science in an amount not to exceed \$15,000 for the
64 administration of the 2022 Emerald Ash Borer initiative and authorize the Village President
65 and Village Clerk/Treasurer to sign the contract per the Director of Public Works'
66 memorandum dated December 7, 2021.
67
68 h. Accept the proposal of Kapur & Associates in an amount not to exceed \$19,838 for the
69 televising of approximately 18,000 linear feet of sanitary sewers and authorize the Village
70 President and Village Clerk/Treasurer to sign the contract per the Director of Public Works'
71 memorandum dated December 7, 2021.
72
73 i. Accept the proposal of Kapur & Associates in an amount not to exceed \$33,686 for the
74 design and rehabilitation of sanitary sewer mains and manholes in Basin Nos. 1, 2 and 3
75 and for a section of storm sewer pipe and authorize the Village President and Village
76 Clerk/Treasurer to sign the contract per the Director of Public Works' memorandum dated
77 December 7, 2021.
78
79 j. Accept the proposal of Ruekert Mielke in an amount not to exceed \$35,600 for GIS services
80 and data/site maintenance and authorize the Village President and Village Clerk/Treasurer
81 to sign the contract per the Director of Public Works' memorandum dated December 7,
82 2021.
83
84 k. Adopt Resolution 2021-31 to Recognize Martin Luther King Day in Memory of Rev. Dr.
85 Martin Luther King, Jr. in the Village of Fox Point.
86
87 l. Approve payment of the bills in the amount of \$470,247.50 for the period November 1, 2021
88 through November 30, 2021 per the report submitted by the Village Manager.
89

90 Trustee Ollman requested the withdrawal of agenda items 3e.

91
92 *Motion made by President Frazer, seconded by Trustee Fonstad, and carried by roll*
93 *call vote (7-0), to approve the consent agenda, absent item, 3e.*
94

95 **Update on Data Collection and Preliminary Design Concepts along Lake Drive**

96 Public Works Director Scott Brandmeier gave an update on the data collection and
97 preliminary design concepts along Lake Drive; this included details concerning four options at the
98 intersection of Lake Drive and Beach Drive. Kapur & Associates Professional Engineer Aaron
99 Bubb appeared online and was available to answer questions.
100

101 President Frazer asked if there were any comments from the public; no comments were
102 heard. Hearing no comments, President Frazer opened comments up to the Village Board and
103 staff.
104

**VILLAGE OF FOX POINT
VILLAGE BOARD MEETING MINUTES
DECEMBER 14, 2021**

Without objection and by Village Board consensus, Kapur and staff were directed by to develop and present the following items to the Village Board at a subsequent meeting:

*Evaluate Bicycle Lanes
Study of Crosswalks (regular and smart)
Beach Drive intersection Option 1
Beach Drive Intersection Option 2
Beach Drive Intersection Option 4
Study of Left Turn Lane on Lake Drive and Bell Rd
Study of Right Turn Lane on Lake Drive and Green Tree Rd
Drainage Improvements
Water Main Replacement*

Scott Brandmeier stated Department of Public Works will work with Kapur & Associates to put together a two-party scope of services in relation to the above items. They will also speak to WDOT to determine whether the agency would entertain reducing the speed limit in Fox Point on Lake Drive from 35 miles per hour to 30 miles per hour.

Approve Change Order No. 1 from WSO Grading & Excavating in the amount of \$22,084.20 for the placement of 4-8 inch stone for the Barnett Lane ravine project (3e)

Motion by President Frazer, seconded by Trustee Ollman, and carried by roll call vote (7-0) to approve Change Order No. 1 from WSO Grading & Excavating in the amount of \$22,084.20, as reflected in the change order proposal prepared by the Director of Public Works and as stated in the agenda packet on pages 11-13.

Cobalt Partners Presentation Concerning Its Redevelopment Concept, Including Village Facilities

Cobalt Partners, LLC President and CEO Scott Yauck gave a presentation to the Village Board regarding Cobalt Partners' preliminary development concept within the Village of Fox Point. The project envisions private redevelopment of certain property owned by the village, including Village Hall and the DPW yard, with those Village facilities being relocated to property Cobalt Partners would acquire and transfer to the Village. The presentation outlined the extensive procedural steps that moving the proposal forward would involve.

Architect and Senior Design Director at RINKA Buck Knitt gave a brief presentation regarding the 30-35 single family lots (community-centered pocket neighborhood) proposed for the area now occupied by the village hall, the DPW yard, and the swimming pool.

Village Attorney Eric Larson outlined what the process and procedures would be to move this proposal forward.

President Frazer asked for public comment.

Luke Junk 7945 N Mohawk Rd.

Mr. Junk is very concerned regarding the Cobalt Partners proposal, due to their property bordering the parcels off of N Port Washington Road. Mr. Junk asked the Board to consider protecting their property and the value of their property.

Mr. Jesse and Julie Carlton, 7442 N Mohawk Rd.

Mr. Carlton is sympathetic to Mr. Junk's situation. Mr. Carlton, in general, is supportive of the proposal and the opportunity Cobalt Partners presents.

**VILLAGE OF FOX POINT
VILLAGE BOARD MEETING MINUTES
DECEMBER 14, 2021**

David Miller 7401 N Crossway Rd.

Mr. Miller's background is in real estate. He is generally in support of the project but has concerns regarding the utilization of the N. Port Washington Road properties.

Therese Gripentrog, 8145 N Navajo Rd.

Ms. Gripentrog is not in support of the Cobalt Partners proposal. She does not believe the village is staffed to take on Cobalt Partners development. She is concerned with high-density housing, parking, and the proposed facilities' appearance as an entryway to the village.

Stephanie Astrin, 803 E Calumet Rd.

Ms. Astrin commented on concerns that the village will contract out services provided by the DPW.

Elizabeth Aelion, 210 W Bergen Ct

Ms. Aelion commented that more clarification would assist in a clearer understanding of the Cobalt Partners proposal, such as the questions of where the village hall will be located, whether the Department of Public Works, Police Department, and Village Hall would be rebuilt at the same time, and whether the proposal is consistent with the village comprehensive plan.

Brad Fedderly, 7901 N Mohawk Rd.

Mr. Fedderly has concerns regarding the Cobalt Partners proposal. His concerns include the proposed location of the Department of Public Works and the lack of notification to nearby owners of the proposal.

Jill Macek, 7870 N Mohawk Rd.

Ms. Macek's concern is whether the village needs or desires the Cobalt Partners proposal, or would benefit from a village-initiated request for proposal (RFP) process.

Kate Junk, 7945 N Mohawk Rd.

Ms. Junk's concerns include a change in the feel to the village and what she and her husband imagined to be their forever home in Fox Point.

Holly Harnischfeger, 711 E. Calumet Rd.

Ms. Harnischfeger questioned the Village of Fox Point's agenda, goal, or reason for the proposal.

Larry Cohn, 200 W Dunwood Rd

After recounting his many objections to the Dunwood project, Mr. Cohen's raised concerns about potential change to village property values, and the ownership of public and private properties mentioned in the proposal.

Mr. Yauck answered questions from the Village Board members.

President Frazer concluded the presentation.

2021 Municipal Pool Year End Overview

Assistant Village Manager Kevin Ausman gave a report on the year end 2021 Municipal Pool operation and finances.

**VILLAGE OF FOX POINT
VILLAGE BOARD MEETING MINUTES
DECEMBER 14, 2021**

Ordinance to Create Section 19-9 C (6) of the Village of Fox Point Village Code to Exclude Installation of Egress Windows from the Requirement of Building Board Review

Motion by President Frazer, seconded by Trustee Knight, and carried by roll call vote (7-0) to Adopt an Ordinance to Create Section 19-9 C (6) to Exclude Installation of Egress Windows from the Requirement of Building Board Review, as set forth in the agenda packet on pages 116 through 118.

Ordinance to Repeal and Re-create Sections 63-2, 63-4, and 63-7 of the Village of Fox Point Village Code Related to Fees Arising Pursuant to the Building and HVAC Code, Plumbing Code, and Electrical Code.

Motion by Trustee Symchych, seconded by Trustee Knight, and carried by roll call vote (7-0) to Adopt an Ordinance to Repeal and Re-create Sections 63-2, 63-4, and 63-7 of the Village of Fox Point Village Code Related to Fees Arising Pursuant to the Building and HVAC Code, Plumbing Code, and Electrical Code.

Property Easement – 7736 North Beach Drive

Motion by President Frazer, seconded by Trustee Fonstad, and carried by roll call vote (7-0), to approve the amended storm sewer easement for 7736 North Beach Drive, consistent with pages 129-144 of the agenda packet, subject to the incorporation of the missing property description(s) and other items, and subject to the approval of the Village Attorney.

Community Enhancement Grants

Motion by President Frazer, seconded by Trustee Sumner, to approve the creation of a special “pilot” committee for the purpose of describing the requirements and soliciting applications for, reviewing, and recommending to the Village Board community enhancement grants to Village-centered organizations for projects or programs that would have a tangible effect on enriching life in the Village of Fox Point, in amounts not to exceed \$5,000 per organization or \$10,000 in the aggregate for a calendar year.

Trustee Fonstad	Nay
Trustee Symchych	Nay
Trustee Sumner	Aye
Trustee Kravit	Aye
Trustee Ollman	Aye
Trustee Knight	Nay
President Frazer	Aye

Motion passed by roll call vote (4-3).

Motion by President Frazer, seconded by Trustee Ollman, to authorize the Village President to appoint five members, consisting of three trustees and two non-elected citizens, to the special “pilot” committee.

Trustee Fonstad	Aye
Trustee Symchych	Nay
Trustee Sumner	Aye
Trustee Kravit	Aye

**VILLAGE OF FOX POINT
VILLAGE BOARD MEETING MINUTES
DECEMBER 14, 2021**

Village Board Agenda Packet - 01/11/2022
Page 6 of 78

Trustee Ollman	Aye
Trustee Knight	Aye
President Frazer	Aye

Motion passed 6-1.

Future Agenda Items-None

Announcements

Trustee Fonstad

No announcements.

Trustee Symchych

No announcements.

Trustee Sumner

No announcements.

Trustee Kravit

Trustee Kravit announced a dryer is at the bottom of the Bridge Lane ravine.

Trustee Ollman

No announcements.

Trustee Anderson Knight

No announcements.

Village President Frazer

President Frazer wished everyone a Merry Christmas and a healthy 2022.

Village Manager Scott Botcher

Village Manager Scott Botcher announced tax bills have been mailed out. He also announced the memorandum of understanding regarding the North Shore Library passed and will be signed by the municipalities.

Adjourn

Motion made by President Frazer, seconded by Trustee Ollman, and carried by roll call vote (7-0); the Village Board adjourned the Village Board meeting at 9:42 p.m.

Respectfully submitted,

Kelly A. Meyer, CMC/WCMC
Village Clerk Treasurer



VILLAGE OF FOX POINT

MILWAUKEE COUNTY
WISCONSIN

VILLAGE HALL
7200 N. SANTA MONICA BLVD.
FOX POINT 53217-3505
414-351-8900
FAX 414-351-8909

To: Village Board

From: John T. Gall, Village Forester *JTG*

Through: Scott A. Botcher, Village Manager *SAB*

CC: Scott Brandmeier, Village Engineer/DPW Director *SB*

DATE: January 4, 2022

RE: Acceptance of Quotes for Trees for Spring 2022 Planting Program

Background

Each year Village crews remove insect or disease infested, dead, dying/hazardous and storm damaged trees in the rights-of-way or other public property throughout the Village. In order to assist in maintaining the tree canopy in the Village, a diverse species mix of replacement trees are being planted where appropriate replanting sites exist.

Fiscal Note

Quotes were received from 6 qualified nurseries and were opened on December 21, 2021, as shown on the attached summary of quotes. Based on selecting the low and best unit pricing for each tree species, Johnson's Nursery, Inc., Menomonee Falls, Wisconsin, Leaves Inspired Tree Nursery, Chilton, Wisconsin, Tillmann Wholesale Growers, New Franken, Wisconsin, Timberline Trees LLC, Oconto, Wisconsin and Wayside Nurseries, Mequon, Wisconsin are the low bidders for a total award of \$22,293.50.

\$6,100.00 for this purchase is recommended to come from Account 40-91600-833, Emerald Ash Borer Tree Replacement. \$2,200.00 from Account 40-91600-851, Dutch Elm Removal. The balance of \$13,993.50 to come from Account 40-91600-824, Tree Planting.

Staff Recommendation

Staff recommends that the Village Board accept the quotes of Johnson's Nursery, Leaves Inspired Tree Nursery, Tillmann Wholesale Growers, Timberline Trees and Wayside Nurseries, in the respective amounts of \$7,556.00, \$1,874.00, \$4,191.50, \$2,886.00 and \$5,786.00 and authorize the Village Manager to execute purchase orders on behalf of the Village.

VILLAGE OF FOX POINT SPRING 2022 TREE PLANTING AWARD LIST (December 23, 2021)

QUANTITY	SPECIES	SIZE	JOHNSON'S	SUBSTITUTION	LEAVES INSPIRED	SUBSTITUTION	MCKAY	SUBSTITUTION	TILLMANN	SUBSTITUTION	TIMBERLINE	SUBSTITUTION	WAYSIDE	SUBSTITUTION	AWARD TOTAL
10	Autumn Fantasy Maple	2 - 2.5"	\$222.00		N/A		\$210.00		N/A		N/A		\$215.00		\$2,150.00
1	State Street Miyabei Maple	2 - 2.5"	\$222.00		\$190.00	2.5"	\$245.00		\$171.00		\$145.00		\$195.00		\$145.00
5	Fall Fiesta Sugar Maple	2 - 2.5"	\$182.00	1.75"	N/A		\$235.00		\$171.00		N/A		\$190.00		\$855.00
4	Norwegian Sunset Maple	2 - 2.5"	N/A		N/A		N/A		N/A		\$152.00		\$168.00		\$608.00
3	Three-flowered Maple	2 - 2.5"	\$329.00		N/A		N/A		N/A		N/A		N/A		\$987.00
1	Autumn Brilliance Serviceberry	7 ft.	\$189.00	6 ft.	\$130.00		N/A	6 ft.	\$142.50		N/A		\$185.00		\$130.00
2	Fort McNair Horsechestnut	2 - 2.5"	\$259.00	1.75"	N/A		N/A		N/A		\$152.00		N/A		\$304.00
2	Early Glow Buckeye	2 - 2.5"	\$329.00		N/A		N/A		N/A		N/A		N/A		\$658.00
1	Yellow Buckeye	2 - 2.5"	\$222.00		N/A		N/A		N/A		N/A		N/A		\$222.00
0	Speaeth's Alder	2 - 2.5"	N/A		N/A		N/A		N/A		N/A		N/A		\$0.00
1	Bitternut Hickory	2 - 2.5"	\$329.00		N/A		N/A		N/A		N/A		N/A		\$329.00
2	Fire King Muscledwood	2 - 2.5"	\$351.00		N/A		N/A		N/A		N/A		N/A		\$702.00
1	Fire Spire Muscledwood	2 - 2.5"	\$303.00	1.75"	N/A		N/A		N/A		N/A		N/A		\$303.00
1	Northern Catalpa	2 - 2.5"	\$222.00		\$180.00	2.5"	\$210.00		\$161.50		N/A		\$180.00		\$161.50
2	Thornless Cockspur Hawthorn	2 - 2.5"	\$152.00	1.75"	N/A		\$180.00		N/A		N/A		\$147.00		\$294.00
5	Chicagoland Hackberry	2 - 2.5"	\$244.00		N/A		N/A		\$194.75		N/A		\$218.00	Hackberry Species	\$973.75
2	Katsuratre	2 - 2.5"	\$339.00	#25, 2"	N/A		\$180.00	#15 Grow Bag	\$194.75		N/A		N/A		\$389.50
2	Yellowwood	2 - 2.5"	\$421.00		\$225.00	3.0"	N/A		N/A		N/A		N/A		\$450.00
8	Golden Glory Dogwood	2 - 2.5"	N/A		N/A		N/A		N/A		N/A		\$189.00		\$1,512.00
4	Princeton Sentry Ginkgo	2 - 2.5"	\$237.00	#25	N/A		N/A		N/A		N/A		\$320.00		\$1,280.00
0	Presidential Gold Ginkgo	2 - 2.5"	N/A		N/A		N/A		N/A		N/A		N/A		\$0.00
4	Skyline Honeylocust	2 - 2.5"	\$222.00		\$160.00		\$235.00		\$175.75		\$145.00		\$209.00		\$580.00
1	Moraine Sweetgum	2 - 2.5"	\$197.00	1.75"	N/A		N/A		N/A		N/A		N/A		\$197.00
2	Tuliptree	2 - 2.5"	\$266.00		\$215.00	2.5"	N/A		N/A		N/A		\$225.00		\$430.00
1	Butterflies Magnolia	2 - 2.5"	\$266.00	Butterflies	N/A		N/A		N/A		N/A		N/A		\$266.00
1	Emerald Spire Crabapple	2 - 2.5"	\$180.00		N/A		N/A		N/A		N/A		N/A		\$180.00
3	Sugar Tyne Crabapple	2 - 2.5"	\$180.00		N/A	2-1/2"	\$230.00		\$147.25		N/A		N/A		\$441.75
0	Ruby Tears Crabapple	2 - 2.5"	N/A		N/A		N/A		N/A		N/A		N/A		\$0.00
4	Royal Raindrops Crabapple	2 - 2.5"	\$180.00		\$111.00		\$210.00		N/A		N/A		\$138.00		\$444.00
1	Ironwood	2 - 2.5"	\$244.00		N/A		N/A		\$180.50		\$165.00		\$230.00		\$165.00
8	Exclamation London Planetree	2 - 2.5"	\$222.00		\$185.00		\$150.00		\$145.00		N/A		\$185.00		\$1,160.00
1	Eye Stopper Corktree	2 - 2.5"	\$266.00		N/A		N/A		N/A		N/A		N/A		\$266.00
2	Pink Flair Cherry	2 - 2.5"	\$222.00		N/A		N/A		N/A		N/A		\$140.00		\$280.00
3	Shawnee Brave Baldcypress	25 gal.	\$186.00		N/A	#15 gal.	\$170.00		N/A		N/A		N/A		\$558.00
1	Chinkapin Oak	2 - 2.5"	\$329.00		\$205.00		\$270.00		N/A		N/A		N/A		\$205.00
5	Schuettel Oak	2 - 2.5"	\$266.00		N/A	Swamp White Oak	\$240.00		N/A		N/A		N/A		\$1,330.00
3	Ivory Silk Tree Lilac	2 - 2.5"	\$222.00		N/A		\$240.00		\$175.75		\$160.00		\$205.00		\$711.00
1	Beauty of Morcow Lilac	48"	\$71.00		N/A				N/A		N/A				\$71.00

VILLAGE OF FOX POINT SPRING 2022 TREE PLANTING AWARD LIST (December 23, 2021)

QUANTITY	SPECIES	SIZE	JOHNSON'S	SUBSTITUTION	LEAVES INSPIRED	SUBSTITUTION	MCKAY	SUBSTITUTION	TILLMANN	SUBSTITUTION	TIMBERLINE	SUBSTITUTION	WAYSIDE	SUBSTITUTION	AWARD TOTAL
2	Charles Joly Lilac	48"	\$71.00		N/A				N/A		N/A				\$142.00
5	Deer Proof Giant Arborvitae	6 ft.	\$229.00		N/A				N/A		N/A				\$1,145.00
1	Redmond Linden	2 - 2.5"	\$201.00		\$195.00		\$240.00		\$180.50		\$160.00		\$189.00		\$160.00
3	Accolade Elm	2 - 2.5"	\$268.00	2.5"	\$190.00	3.5" Accolade Elm	\$210.00	Triumph	\$142.50		\$98.00		\$184.00		\$294.00
109	TOTAL TREES														
TOTAL TREE AWARD (less delivery)															\$21,248.50

DELIVERY CHARGE

\$200.00	for (40 - 50) trees	\$215.00	less than 15 trees	10% of Order	\$210.00	10 to 40 trees	\$150.00	\$270.00	per load
									50 - 60 trees/load

TOTALS INCLUDE DELIVERY CHARGE

\$7,556.00	TOTAL JOHNSON'S NURSERY
\$1,874.00	TOTAL LEAVES INSPIRED TREE NURSERY
\$0.00	TOTAL MCKAY NURSERY COMPANY
\$4,191.50	TILLMAN WHOLESale GROWERS
\$2,886.00	TIMBERLINE TREES, LLC
\$5,786.00	TOTAL WAYSIDE NURSERIES
\$22,293.50	Grand Total



Baker Tilly US, LLP
777 E Wisconsin Ave, 32nd Fl
Milwaukee, WI 53202-5313

T: +1 (414) 777 5500
F: +1 (414) 777 5555

bakertilly.com

November 22, 2021

Mr. Scott Botcher
Village of Fox Point
7200 N. Santa Monica Blvd.
Fox Point, Wisconsin 53217

Dear Mr. Botcher:

Thank you for using Baker Tilly US, LLP (Baker Tilly, we, our) as your auditors.

The purpose of this letter (the Engagement Letter) is to confirm our understanding of the terms and objectives of our engagement and the nature of the services we will provide as independent accountants of the Village of Fox Point (Client, you, your).

Service and Related Report

We will audit the basic financial statements of the Village of Fox Point as of and for the years ended December 31, 2021, 2022, 2023, 2024 and 2025 and the related notes to the financial statements. Upon completion of our audit, we will provide the Village of Fox Point with our audit report on the financial statements and supplemental information referred to below. If, for any reasons caused by or relating to the affairs or management of the Village of Fox Point, we are unable to complete the audit or are unable to or have not formed an opinion, or if we determine in our professional judgment the circumstances necessitate, we may withdraw and decline to issue a report as a result of this engagement. In that case, fees will be prorated as described under the "Timing and Fees" section of this contract.

The following supplementary information accompanying the financial statements will also be subjected to the auditing procedures applied in our audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America, and our auditor's report will provide an opinion on it in relation to the financial statements as a whole.

- > Combining and Individual Fund Financial Statements
- > Schedule of revenues and other financing sources - budget and actual - General Fund
- > Schedule of expenditures and other financing uses - budget and actual - General Fund

Mr. Scott Botcher
Village of Fox Point

November 22, 2021
Page 2

Accounting standards generally accepted in the United States of America provide for certain required supplementary information (RSI), such as management's discussion and analysis, to supplement the Village of Fox Point's basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic or historical context. As part of our engagement, we will apply certain limited procedures to the Village of Fox Point's RSI in accordance with auditing standards generally accepted in the United States of America. These limited procedures will consist of inquiries of management regarding the methods of preparing the information and comparing the information for consistency with management's response to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We will not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance. The following RSI is required by generally accepted accounting principles and will be subjected to certain limited procedures, but will not be audited:

- > Management's Discussion and Analysis
- > Budget Comparison Schedules
- > Schedule of Funding Progress - OPEB
- > Schedule of Funding Progress - Pensions

Our Responsibilities and Limitations

The objective of a financial statement audit is the expression of an opinion on the financial statements. We will be responsible for performing that audit in accordance with auditing standards generally accepted in the United States of America (GAAS). These standards require that we plan and perform our audit to obtain reasonable, rather than absolute assurance about whether the financial statements are free of material misstatement, whether caused by error or fraud. The audit will include examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our audit does not relieve management and the audit committee or equivalent group charged with governance of their responsibilities. Our audit is limited to the period covered by our audit and does not extend to any later periods during which we are not engaged as auditor.

The audit will include obtaining an understanding of the Village of Fox Point and its environment, including internal controls, sufficient to assess the risks of material misstatement of the financial statements and to determine the nature, timing and extent of further audit procedures. An audit is not designed to provide assurance on internal controls or to identify deficiencies in internal control. However, during the audit, we will communicate to management and the audit committee or equivalent group charged with governance internal control matters that are required to be communicated under professional standards.

Mr. Scott Botcher
Village of Fox Point

November 22, 2021
Page 3

We will design our audit to obtain reasonable, but not absolute, assurance of detecting misstatements due to errors or fraud that would have a material effect on the financial statements as well as other illegal acts having a direct and material effect on financial statement amounts. An audit is not designed to detect error or fraud that is immaterial to the financial statements. Our audit will not include a detailed audit of transactions, such as would be necessary to disclose errors or fraud that did not cause a material misstatement of the financial statements. It is important to recognize that there are inherent limitations in the auditing process. Audits are based on the concept of selective testing of the data underlying the financial statements, which involves judgment regarding the areas to be tested and the nature, timing, extent and results of the tests to be performed. Our audit is not a guarantee of the accuracy of the financial statements and, therefore, is subject to the limitation that material errors or fraud or other illegal acts having a direct and material financial statement impact, if they exist, may not be detected. Because of the characteristics of fraud, particularly those involving concealment through collusion, falsified documentation and management's ability to override controls, an audit designed and executed in accordance with GAAS may not detect a material fraud. Further, while effective internal control reduces the likelihood that errors, fraud or other illegal acts will occur and remain undetected, it does not eliminate that possibility. For these reasons, we cannot ensure that errors, fraud or other illegal acts, if present, will be detected. However, we will communicate to you, as appropriate, any such matters that we identify during our audit.

We are also responsible for determining that the audit committee or equivalent group charged with governance is informed about certain other matters related to the conduct of the audit, including (i) our responsibility under GAAS, (ii) an overview of the planned scope and timing of the audit, and (iii) significant findings from the audit, which include (a) our views about the qualitative aspects of your significant accounting practices, accounting estimates, and financial statement disclosures; (b) difficulties encountered in performing the audit; (c) uncorrected misstatements and material corrected misstatements that were brought to the attention of management as a result of auditing procedures; and (d) other significant and relevant findings or issues (e.g., any disagreements with management about matters that could be significant to your financial statements or our report thereon, consultations with other independent accountants, issues discussed prior to our retention as independent auditors, fraud and illegal acts, and all significant deficiencies and material weaknesses identified during the audit). Lastly, we are responsible for ensuring that the audit committee or equivalent group charged with governance receives copies of certain written communications between us and management including written communications on accounting, auditing, internal controls or operational matters and representations that we are requesting from management.

The audit will not be planned or conducted in contemplation of reliance of any specific third party or with respect to any specific transaction. Therefore, items of possible interest to a third party will not be specifically addressed and matters may exist that would be addressed differently by a third party, possibly in connection with a specific transaction.

Mr. Scott Botcher
Village of Fox Point

November 22, 2021
Page 4

Management's Responsibilities

The Village of Fox Point's management is responsible for the financial statements referred to above. Although we may advise you about appropriate accounting principles and their application, the responsibility for the preparation and fair presentation of the financial statements in accordance with the applicable financial reporting framework remains with management. In this regard, management is responsible for establishing policies and procedures that pertain to the maintenance of adequate accounting records and effective internal controls over financial reporting, the selection and application of accounting principles, the authorization of receipts and disbursements, the safeguarding of assets, the proper recording of transactions in the accounting records, and for reporting financial information in conformity with the cash basis of accounting, which is a basis of accounting other than accounting principles generally accepted in the United States of America (GAAP). They include (i) a description of the cash basis, including a summary of significant accounting policies, and how the framework differs from GAAP, the effect of which need not be quantified, and informative disclosures similar to those required by GAAP, in the case of special purpose financial statements that contain items that are the same as, or similar to, those in financial statements prepared in accordance with GAAP, (ii) a description of any significant interpretations of the contract on which the special purpose financial statements are prepared, in the case of financial statements prepared in accordance with a contractual-basis of accounting, and (iii) additional disclosures beyond those specifically required by the framework that may be necessary for the special purpose framework to achieve fair presentation.

Management is also responsible for the design and implementation of programs and controls to prevent and detect fraud, and for informing us in the management representation letter (i) about all known or suspected fraud affecting the Village of Fox Point involving: (a) management, (b) employees who have significant roles in internal control over financial reporting, and (c) others where the fraud or illegal acts could have a material effect on the financial statements; and (ii) of its knowledge of any allegations of fraud or suspected fraud affecting the Village of Fox Point received in communications from employees, former employees, analysts, grantors, regulators or others.

Management is responsible for (i) adjusting the basic financial statements to correct material misstatements and for affirming to us in a management representation letter that the effects of any uncorrected misstatements aggregated by us during the current engagement and pertaining to the latest period under audit are immaterial, both individually and in the aggregate, to the basic financial statements taken as a whole, and (ii) notifying us of all material weaknesses, including other significant deficiencies, in the design or operation of your internal control over financial reporting that are reasonably likely to adversely affect your ability to record, process, summarize and report external financial data reliably in accordance with cash basis of accounting. Management is also responsible for identifying and ensuring that the Village of Fox Point complies with the laws and regulations applicable to its activities.

Management acknowledges that your internal auditors will provide with direct assistance on the financial statement audit. In connection with that provision of direct assistance, you agree to allow the internal auditors to follow our instructions and to not intervene in the work the internal auditors perform for us.

As part of management's responsibility for the financial statements and the effectiveness of its system of internal control over financial reporting, management is responsible for making available to us, on a timely basis, all of your original accounting records and related information and for the completeness and accuracy of that information and your personnel to whom we may direct inquiries. As required by GAAS, we will make specific inquiries of management and others about the representations embodied in the financial statements and the effectiveness of internal control over financial reporting. GAAS also requires that we obtain written representations covering audited financial statements from certain members of management. The results of our audit tests, the responses to our inquiries, and the written representations, comprise the evidential matter we intend to rely upon in forming our opinion on the financial statements. If we do not receive complete and accurate information from the Village of Fox Point or others, we may be prevented from performing our work and, among other issues, misstatements in your financial statements, whether due to error or fraud, may go undetected.

Mr. Scott Botcher
Village of Fox Point

November 22, 2021
Page 5

Baker Tilly is not a municipal advisor as defined in Section 975 of the Dodd-Frank Wall Street Reform and Consumer Protection Act or under Section 15B of the Securities Exchange Act of 1934 (the Act). Baker Tilly is not recommending an action to the Village of Fox Point; is not acting as an advisor to you and does not owe a fiduciary duty pursuant to Section 15B of the Act to you with respect to the information and material contained in the deliverables issued under this engagement. Any municipal advisory services would only be performed by Baker Tilly Municipal Advisors LLC (BTMA) pursuant to a separate engagement letter between you and BTMA. You should discuss any information and material contained in the deliverables with any and all internal and external advisors and experts that you deem appropriate before acting on this information or material.

Nonattest Services

Prior to or as part of our audit engagement, it may be necessary for us to perform certain nonattest services. For purposes of this letter, nonattest services include services that *Government Auditing Standards* refers to as nonaudit services.

Nonattest services that we will be providing are as follows:

- > Financial statement preparation
- > Adjusting journal entries
- > Compiled regulatory reports
- > Civic systems software

None of these nonattest services constitute an audit under generally accepted auditing standards including *Government Auditing Standards*.

We will not perform any management functions or make management decisions on your behalf with respect to any nonattest services we provide.

In connection with our performance of any nonattest services, you agree that you will:

- > Continue to make all management decisions and perform all management functions, including approving all journal entries and general ledger classifications when they are submitted to you.
- > Designate an employee with suitable skill, knowledge, and/or experience, preferably within senior management, to oversee the services we perform.
- > Evaluate the adequacy and results of the nonattest services we perform.
- > Accept responsibility for the results of our nonattest services.
- > Establish and maintain internal controls, including monitoring ongoing activities related to the nonattest function.

On a periodic basis, as needed, we will meet with you to discuss your accounting records and the management implications of your financial statements. We will notify you, in writing, of any matters that we believe you should be aware of and will meet with you upon request.

In addition to the audit services discussed above, we will compile the annual Financial Report Form to the Wisconsin Department of Revenue and the Public Service Commission Annual Report. See Addendums A and B attached, which are an integral part of this Engagement Letter.

Mr. Scott Botcher
Village of Fox Point

November 22, 2021
Page 6

Other Documents

If you intend to reproduce or publish the financial statements in an annual report or other information (excluding official statements), and make reference to our firm name in connection therewith, you agree to publish the financial statements in their entirety. In addition, you agree to provide us, for our approval and consent, proofs before printing and final materials before distribution.

The Village of Fox Point may wish to include our report on these financial statements in an official statement or some other securities offering. You agree that the aforementioned audit report or reference to Baker Tilly will not be included in such offering without our prior written permission or consent. Upon notification, auditing standards will require our involvement with the official statement, and any procedures related to this involvement will be a separate agreement.

With regard to the electronic dissemination of audited financial statements, including financial statements published electronically on your Internet website, you understand that electronic sites are a means to distribute information and, therefore, we are not required to read the information contained in these sites or to consider the consistency of other information in the electronic site with the original document.

The documentation for this engagement, including the workpapers, is the property of Baker Tilly and constitutes confidential information. We may have a responsibility to retain the documentation for a period of time sufficient to satisfy any applicable legal or regulatory requirements for records retention. Baker Tilly does not retain any original client records; so we will return such records to you at the completion of the services rendered under this engagement. When such records are returned to you, it is the Village of Fox Point's responsibility to retain and protect its accounting and other business records for future use, including potential review by any government or other regulatory agencies. By your signature below, you acknowledge and agree that, upon the expiration of the documentation retention period, Baker Tilly shall be free to destroy our workpapers related to this engagement. If we are required by law, regulation or professional standards to make certain documentation available to regulators, the Village of Fox Point hereby authorizes us to do so.

Baker Tilly and the Village of Fox Point acknowledge that, at the time of the execution of this Engagement Letter, federal, state and local governments, both domestic and foreign, have restricted travel and/or the movement of their citizens due to the ongoing and evolving situation around COVID-19. In addition, like many organizations and companies in the United States and around the globe, Baker Tilly has restricted its employees from travel and onsite work, whether at a client facility or Baker Tilly facility, to protect the health of both Baker Tilly and its clients' employees. Accordingly, to the extent that any of the services described in this Engagement Letter requires or relies on personnel to travel and/or perform work onsite, then Baker Tilly and the Village of Fox Point acknowledge and agree that when the performance of such work depends on physical access to Client's facilities, then such work may be supplanted with alternative procedures. Baker Tilly and the Village of Fox Point agree to provide the other with prompt written notice in the event any of the onsite services described herein, such as inventory observations and other procedures, will need to be supplanted, rescheduled and/or suspended. Baker Tilly and the Village of Fox Point also acknowledge and agree that any delays or workarounds due to the situation surrounding COVID-19 may increase the cost of the services described herein. Baker Tilly will obtain the Village of Fox Point's prior written approval for any increase in the cost of Baker Tilly services that may result from the situation surrounding COVID-19.

Timing and Fees

Completion of our work is subject to, among other things, (i) appropriate cooperation from the Village of Fox Point's personnel, including timely preparation of necessary schedules, (ii) timely responses to our inquiries, and (iii) timely communication of all significant accounting and financial reporting matters, subject to mutual agreement. When and if for any reason the Village of Fox Point is unable to provide such schedules, information, and assistance, Baker Tilly and you may mutually revise the fee to reflect additional services, if any, required of us to complete the audit. Delays in the issuance of our audit report beyond the date that was originally contemplated may require us to perform additional auditing procedures which will likely result in additional fees.

Mr. Scott Botcher
Village of Fox Point

November 22, 2021
Page 7

Proposed revisions to the scope of our work will be communicated to you and such revisions, if agreed upon by both parties, may be set forth in the form of an "Amendment to Existing Engagement Letter." In addition, if we discover compliance issues that require us to perform additional procedures and/or provide assistance with these matters, fees at our standard hourly rates apply.

Year	Village	Water	Storm Water	Sewer	Totals
2021	\$16,200	\$3,400	\$3,400	\$3,400	\$26,400
2022	\$16,200	\$3,400	\$3,400	\$3,400	\$26,400
2023	\$17,000	\$3,570	\$3,570	\$3,570	\$27,710
2024	\$17,000	\$3,570	\$3,570	\$3,570	\$27,710
2025	\$17,800	\$3,750	\$3,750	\$3,750	\$29,050

Invoices for these fees will be rendered each month as work progresses and are payable on presentation. A charge of 1.5 percent per month shall be imposed on accounts not paid within thirty (30) days of receipt of our statement for services provided. In accordance with our firm policies, work may be suspended if your account becomes thirty (30) days or more overdue and will not be resumed until your account is paid in full. If we elect to terminate our services for nonpayment, our engagement will be deemed to have been completed upon written notice of termination, even if we have not completed our report. You will be obligated to compensate us for all time expended and to reimburse us for all out-of-pocket expenditures through the date of termination. In the event that collection procedures are required, the Village of Fox Point agrees to be responsible for all expenses of collection including related attorneys' fees.

Additionally, we may from time to time, and depending on the circumstances, use service providers (e.g., to act as a specialist or audit an element of the financial statements) in serving your account. We may share confidential information about you with these service providers, but will require these providers to maintain the confidentiality and security of your information to the degree we have agreed to maintain such confidentiality and security under this agreement.

To the extent the services require Baker Tilly receive personal data or personal information from Client, Baker Tilly may process any personal data or personal information, as those terms are defined in applicable privacy laws, in accordance with the requirements of the applicable privacy law relevant to the processing in providing services hereunder. Applicable privacy laws may include any local, state, federal or international laws, standards, guidelines, policies or regulations governing the collection, use, disclosure, sharing or other processing of personal data or personal information with which Baker Tilly or its Clients must comply. Such privacy laws may include (i) the EU General Data Protection Regulation 2016/679 (GDPR); (ii) the California Consumer Privacy Act of 2018 (CCPA); and/or (iii) other laws regulating marketing communications, requiring security breach notification, imposing minimum security requirements, requiring the secure disposal of records and other similar requirements applicable to the processing of personal data or personal information. Baker Tilly is acting as a Service Provider/Data Processor in relation to Client personal data and personal information, as those terms are defined respectively under the CCPA/GDPR. Client represents and warrants it has all necessary authority (including any legally required consent from data subjects) to transfer such information and authorize Baker Tilly to process such information in connection with the services described herein.

Baker Tilly has established information security related operational requirements that support the achievement of our information security commitments, relevant information security related laws and regulations, and other information security related system requirements. Such requirements are communicated in Baker Tilly's policies and procedures, system design documentation and contracts with customers. Information security policies have been implemented that define our approach to how systems and data are protected. Client is responsible for providing timely written notification to Baker Tilly of any additions, changes or removals of access for Client personnel to Baker Tilly provided systems or applications. If Client becomes aware of any known or suspected information security or privacy related incidents or breaches related to this agreement, Client should timely notify Baker Tilly via email at dataprotectionofficer@bakertilly.com.

Mr. Scott Botcher
Village of Fox Point

November 22, 2021
Page 8

Baker Tilly does not treat de-identified data or aggregate consumer information as personal data or personal information, and we reserve the right to convert Client personal data or personal information into de-identified data or aggregate consumer information for our own purposes. As a benefit of benchmarking the Village of Fox Point to others in your industry, you allow us to enter your confidential accounting and/or financial data into the third party benchmarking software that we utilize. By signing this Engagement Letter, you expressly authorize us to make such disclosure of your confidential accounting and/or financial data, as we may elect within our discretion, with the understanding that, in doing so, you will not be specifically identified.

Any additional services that may be requested, and we agree to provide, may be the subject of a separate engagement letter.

We may be required to disclose confidential information to federal, state and international regulatory bodies or a court in criminal or other civil litigation. In the event that we receive a request from a third party (including a subpoena, summons or discovery demand in litigation) calling for the production of information, we will promptly notify the Village of Fox Point, unless otherwise prohibited. In the event we are requested by the Village of Fox Point or required by government regulation, subpoena or other legal process to produce our engagement working papers or our personnel as witnesses with respect to services rendered to the Village of Fox Point, so long as we are not a party to the proceeding in which the information is sought, we may seek reimbursement for our professional time and expenses, as well as the fees and legal expenses, incurred in responding to such a request.

Our fees are based on known circumstances at the time of this Engagement Letter. Should circumstances change significantly during the course of this engagement, we will discuss with you the need for any revised audit fees. This can result from changes at the Village of Fox Point, such as the turnover of key accounting staff, the addition of new funds or significant federal or state programs or changes that affect the amount of audit effort from external sources, such as new accounting and auditing standards that become effective that increase the scope of our audit procedures. This Engagement Letter currently includes all auditing and accounting standards and the current single audit guidance in effect as of the date of this letter, except for GASB 87, *Leases*.

We would expect to continue to perform our services under the arrangements discussed above from year to year, unless for some reason you or we find that some change is necessary. We will, of course, be happy to provide the Village of Fox Point with any other services you may find necessary or desirable.

Resolution of Disagreements

In the unlikely event that differences concerning services or fees should arise that are not resolved by mutual agreement, both parties agree to attempt in good faith to settle the dispute by mediation administered by the American Arbitration Association (AAA) under its mediation rules for professional accounting and related services disputes before resorting to litigation or any other dispute-resolution procedure. Each party shall bear their own expenses from mediation.

If mediation does not settle the dispute or claim, then such remedies as may be available by law shall apply.

Our services shall be evaluated solely on our substantial conformance with the terms expressly set forth herein, including all applicable professional standards.

Mr. Scott Botcher
Village of Fox Point

November 22, 2021
Page 9

Limitation on Damages and Indemnification

Baker Tilly US, LLP agrees to defend, indemnify, and hold harmless the Village of Fox Point and its supervisors, trustees, administrators, employees, and representatives (collectively the "Indemnified Parties") against any and all third party losses, damages, claims, expenses, including reasonable attorneys' fees, and liabilities incurred as a result of the negligence, willful misconduct or fraud of Baker Tilly US, LLP in the performance or non-performance of its duties pursuant to this Agreement except to the extent such damages are caused by the negligence or intentional misconduct of the Indemnified Parties. This indemnification obligation shall survive the termination of this Agreement.

Notwithstanding the foregoing, in compliance with AICPA independence requirements, the Indemnified Parties hereby release Baker Tilly, its subsidiaries and its present or former partners, principals, employees, officers and agents from, and acknowledges that such parties shall not be required to indemnify the Indemnified Parties against, any costs, fees, expenses, damages and liabilities (including attorneys' fees and all defense costs) relating to or arising as a result of the acts or omissions of the Indemnified Parties.

The liability (including attorney's fees and all other costs of Baker Tilly and its present or former partners, principals, agents or employees related to any claim for damages relating to the services performed under this Engagement Letter shall not exceed an aggregate limit of five million dollars (US \$5,000,000), except to the extent finally determined to have resulted from the willful misconduct or fraudulent behavior of Baker Tilly relating to such services. This limitation of liability is intended to apply to the full extent allowed by law, regardless of the grounds or nature of any claim asserted, including the negligence of either party. This limitation of liability is intended to apply to the full extent allowed by law, regardless of the grounds or nature of any claim asserted, including the negligence of either party.

Because of the importance of the information that you provide to Baker Tilly with respect to Baker Tilly's ability to perform the services, you hereby release and agree that applicable laws related to negligence and tort law shall apply regarding any liability, damages, fees, expenses and costs, including attorney's fees, relating to the services, that arise from or relate to any information, including representations by management, provided by you, its personnel or agents, that is not complete, accurate or current, whether or not management knew or should have known that such information was not complete, accurate or current.

Each party recognizes and agrees that the warranty disclaimers and liability and remedy limitations in this Engagement Letter are material bargained for bases of this Engagement Letter and that they have been taken into account and reflected in determining the consideration to be given by each party under this Engagement Letter and in the decision by each party to enter into this Engagement Letter.

The terms of this section shall apply regardless of the nature of any claim asserted (including, but not limited to, contract, tort or any form of negligence, whether of you, Baker Tilly or others), but these terms shall not apply to the extent finally determined to be contrary to the applicable law or regulation. These terms shall also continue to apply after any termination of this Engagement Letter.

You accept and acknowledge that any legal proceedings arising from or in conjunction with the services provided under this Engagement Letter must be commenced within the applicable statute of limitations.

Other Matters

The parties agree to the public records responsibilities described in Exhibit A attached hereto and incorporated herein by reference.

Mr. Scott Botcher
Village of Fox Point

November 22, 2021
Page 10

Neither this Engagement Letter, any claim, nor any rights or licenses granted hereunder may be assigned, delegated or subcontracted by either party without the written consent of the other party. Either party may assign and transfer this Engagement Letter to any successor that acquires all or substantially all of the business or assets of such party by way of merger, consolidation, other business reorganization or the sale of interest or assets, provided that the party notifies the other party in writing of such assignment and the successor agrees in writing to be bound by the terms and conditions of this Engagement Letter.

Our dedication to client service is carried out through our employees who are integral in meeting this objective. In recognition of the importance of our employees, it is hereby agreed that the Village of Fox Point will not solicit our employees for employment or enter into an independent contractor arrangement with any individual who is or was an employee of Baker Tilly for a period of twelve (12) months following the date of the conclusion of this engagement. If the Village of Fox Point violates this nonsolicitation clause, the Village of Fox Point agrees to pay to Baker Tilly a fee equal to the hired person's annual salary at the time of the violation so as to reimburse Baker Tilly for the costs of hiring and training a replacement.

The services performed under this Agreement do not include the provision of legal advice and Baker Tilly makes no representations regarding questions of legal interpretation. Client should consult with its attorneys with respect to any legal matters or items that require legal interpretation under federal, state or other type of law or regulation.

Baker Tilly US, LLP, trading as Baker Tilly, is an independent member of Baker Tilly International. Baker Tilly International Limited is an English company. Baker Tilly International provides no professional services to clients. Each member firm is a separate and independent legal entity and each describes itself as such. Baker Tilly US, LLP is not Baker Tilly International's agent and does not have the authority to bind Baker Tilly International or act on Baker Tilly International's behalf. None of Baker Tilly International, Baker Tilly US, LLP, nor any of the other member firms of Baker Tilly International has any liability for each other's acts or omissions. The name Baker Tilly and its associated logo is used under license from Baker Tilly International Limited.

This Engagement Letter constitutes the entire agreement between the Village of Fox Point and Baker Tilly regarding the services described in this Engagement Letter and supersedes and incorporates all prior or contemporaneous representations, understandings or agreements, and may not be modified or amended except by an agreement in writing signed between the parties hereto. This Engagement Letter's provisions shall not be deemed modified or amended by the conduct of the parties.

The provisions of this Engagement Letter, which expressly or by implication are intended to survive its termination or expiration, will survive and continue to bind both parties, including any successors or assignees. If any provision of this Engagement Letter is declared or found to be illegal, unenforceable or void, then both parties shall be relieved of all obligations arising under such provision, but if the remainder of this Engagement Letter shall not be affected by such declaration or finding and is capable of substantial performance, then each provision not so affected shall be enforced to the extent permitted by law or applicable professional standards.

If because of a change in the Village of Fox Point's status or due to any other reason, any provision in this Engagement Letter would be prohibited by, or would impair our independence under laws, regulations or published interpretations by governmental bodies, commissions or other regulatory agencies, such provision shall, to that extent, be of no further force and effect and this agreement shall consist of the remaining portions.

This agreement shall be governed by and construed in accordance with the laws of the state of Wisconsin, without giving effect to the provisions relating to conflict of laws.

We appreciate the opportunity to be of service to you.

Mr. Scott Botcher
Village of Fox Point

November 22, 2021
Page 11

If there are any questions regarding this Engagement Letter, please contact Wendi M. Unger, the engagement partner on this engagement who is responsible for the overall supervision and review of the engagement and determining that the engagement has been completed in accordance with professional standards. Wendi M. Unger is available at 414 777 5423, or at wendi.unger@bakertilly.com.

Sincerely,

BAKER TILLY US, LLP

Baker Tilly US, LLP

Enclosures

The services and terms as set forth in this Engagement Letter are agreed to by:

Official's Name

Official's Signature

Title

Date

ADDENDUM A

We will perform the following services:

1. We will compile, from information you provide, the annual Financial Report Form to the Wisconsin Department of Revenue, for the year ended December 31, 2021. Upon completion of the compilation of the annual Financial Report Form, we will provide you with our accountants' compilation report. If for any reason caused by or relating to affairs or management of the Village of Fox Point, we are unable to complete the compilation or if we determine in our professional judgment the circumstances necessitate, we may withdraw and decline to submit the annual Financial Report Form to you as a result of this engagement.

Our report on the annual Financial Report Form of the Village of Fox Point is presently expected to read as follows:

Management is responsible for the 2021 Financial Report Form C for the year ended December 31, 2020 included in the accompanying prescribed form. We have performed a compilation engagement in accordance with *Statements on Standards for Accounting and Review Services* promulgated by the Accounting and Review Services Committee of the American Institute of Certified Public Accountants. We did not audit or review the 2021 financial report form C included in the accompanying prescribed form, nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by the management. Accordingly, we do not express an opinion, a conclusion, nor provide any form of assurance on the 2021 Financial Report form C included in the prescribed form.

The Financial Report Form C included in the accompanying prescribed form is presented in accordance with the requirements of the Wisconsin Department of Revenue, and is not intended to be a presentation in accordance with accounting principles generally accepted in the United States of America.

This report is intended solely for the information and use of the Wisconsin Department of Revenue and is not intended to be and should not be used by anyone other than this specified party.

Our Responsibilities and Limitations

We will be responsible for performing the compilation in accordance with *Statements on Standards for Accounting and Review Services* established by the American Institute of Certified Public Accountants. The objective of a compilation is to assist management in presenting financial information in the form of financial statements. We will utilize information that is the representation of management without undertaking to obtain or provide any assurance that there are no material modifications that should be made to the financial statements in order for the statements to be in conformity with GAAP.

Our engagement cannot be relied upon to disclose errors, fraud or other illegal acts that may exist and, because of the limited nature of our work, detection is highly unlikely. However, we will inform the appropriate level of management of any material errors, and of any evidence that fraud may have occurred. In addition, we will report to you any evidence or information that comes to our attention during the performance of our compilation procedures regarding illegal acts that may have occurred, unless they are clearly inconsequential. We have no responsibility to identify and communicate deficiencies in your internal control as part of this Engagement Letter.

Management's Responsibilities

The Village of Fox Point's management is responsible for the financial statements referred to above. In this regard, management is responsible for (i) the preparation and fair presentation of the Financial Report Form C included in the form prescribed by the Wisconsin Department of Revenue, (ii) designing, implementing, and maintaining internal control relevant to the preparation and fair presentation of the Financial Report Form C, (iii) preventing and detecting fraud, (iv) identifying and ensuring that you comply with the laws and regulations applicable to its activities, and (v) making all financial records and related information available to us. Management also is responsible for identifying and ensuring that you comply with the laws and regulations applicable to its activities.

Management is responsible for providing us with the information necessary for the compilation of the financial statements and the completeness and the accuracy of that information and for making your personnel available to whom we may direct inquiries regarding the compilation. We may make specific inquiries of management and others about the representations embodied in the financial statements.

ADDENDUM B

We will perform the following services:

2. We will compile, from information you provide, the Public Service Commission Annual Report, including the balance sheets of the Village of Fox Point, as of December 31, 2021 and 2020, and the related statements of income and retained earnings for the years then ended and the supplemental schedules as of and for the year ended December 31, 2021. Upon completion of the Public Service Commission Annual Report, we will provide you with our accountants' compilation report. If for any reason caused by or relating to affairs or management of the Village of Fox Point, we are unable to complete the compilation or if we determine in our professional judgment the circumstances necessitate, we may withdraw and decline to submit the Public Service Commission Annual Report to you as a result of this engagement.

Our report on the Public Service Commission Annual Report of the Village of Fox Point is presently expected to read as follows:

Management is responsible for the balance sheets of the utility name, an enterprise fund of the Village of Fox Point, as of December 31, 2021 and 2020, and the related statements of income and retained earnings for the years then ended and the supplemental schedules as of and for the year ended December 31, 2021 included in the accompany prescribed form. We have performed a compilation engagement in accordance with *Statements on Standards of Accounting and Review Services* promulgated by the Accounting and Review Services Committee of the American Institute of Certified Public Accountants. We did not audit or review the financial statements included in the accompanying prescribed form, nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. Accordingly, we do not express an opinion, a conclusion, nor provide any form of assurance on these financial statements included in the prescribed form.

These financial statements included in the accompanying prescribed form are presented in accordance with the requirements of the Public Service Commission of Wisconsin, and are not intended to be a presentation in accordance with accounting principles generally accepted in the United States of America.

This report is intended solely for the information and use of the Public Service Commission of Wisconsin and is not intended to be and should not be used by anyone other than this specified party.

Our Responsibilities and Limitations

We will be responsible for performing the compilation in accordance with *Statements on Standards for Accounting and Review Services* established by the American Institute of Certified Public Accountants. The objective of a compilation is to assist management in presenting financial information in the form of financial statements. We will utilize information that is the representation of management without undertaking to obtain or provide any assurance that there are no material modifications that should be made to the financial statements in order for the statements to be in conformity with GAAP.

Our engagement cannot be relied upon to disclose errors, fraud or other illegal acts that may exist and, because of the limited nature of our work, detection is highly unlikely. However, we will inform the appropriate level of management of any material errors, and of any evidence that fraud may have occurred. In addition, we will report to you any evidence or information that comes to our attention during the performance of our compilation procedures regarding illegal acts that may have occurred, unless they are clearly inconsequential. We have no responsibility to identify and communicate deficiencies in your internal control as part of this Engagement Letter.

Management's Responsibilities

The Village of Fox Point's management is responsible for the financial statements referred to above. In this regard, management is responsible for (i) the preparation and fair presentation of the financial statements included in the form prescribed by the Public Service Commission of Wisconsin, (ii) designing, implementing and maintaining internal control relevant to the preparation and fair presentation of the financial statements, (iii) preventing and detecting fraud, (iv) identifying and ensuring that you comply with the laws and regulations applicable to its activities, and (v) making all financial records and related information available to us. Management also is responsible for identifying and ensuring that you comply with the laws and regulations applicable to its activities.

Management is responsible for providing us with the information necessary for the compilation of the financial statements and the completeness and the accuracy of that information and for making your personnel available to whom we may direct inquiries regarding the compilation. We may make specific inquiries of management and others about the representations embodied in the financial statements.

EXHIBIT A

Public Records Responsibilities Contract Terms

Municipality and Contractor recognize that applying applicable Wisconsin public records laws to particular records requests can be difficult, in light of copyright and other confidentiality protections. To ensure that applicable laws are followed, both with regard to private rights, and with regard to public records laws, Municipality and Contractor agree as follows. When Municipality receives public records requests for matters that Municipality believes might be proprietary or confidential information, Municipality will notify Contractor of the request.

Within seven (7) days of such notification (subject to extension of time upon mutual written agreement), Contractor shall either provide Municipality with the record that is requested, for release to the requestor; or Contractor shall advise Municipality that Contractor objects to the release of the requested information, and the basis for the objection Contractor shall not charge for work performed under this paragraph, except for the "actual, necessary and direct" charge of responding to the records request, as that is defined and interpreted in Wisconsin law.

In addition to, and not to the exclusion or prejudice of, any provisions of this agreement or documents incorporated herein by reference, Contractor shall indemnify and save harmless and agrees to accept tender of defense and to defend and pay any and all legal, accounting, consulting, engineering and other reasonable expenses relating to the defense of any third party claim asserted or imposed upon the Municipality, its officers, agents, employees and independent contractors growing out of (i) Municipality's denial of a records request, based upon objections made by Contractor, or (ii) Contractor's failure to provide records to Municipality upon Municipality's lawful request; or (iii) municipality's charges made to a records requestor, based upon reimbursement of costs Contractor charged to Municipality in responding to a records request provided that Municipality's request for reimbursement is proper under Wisconsin law and such charges are passed on without mark-up or other changes; or (iv) Municipality's lack of timely response to a records request, due to Contractor's failure to timely respond to Municipality as required herein. Contractor's claims of proprietary rights, or any other copyright or confidentiality claims, shall be waived such that Municipality may provide all requested documents, programs, data, and other records to the requestor, upon failure by Contractor to defend, indemnify or hold harmless the Municipality as required herein, and/or upon judgment of a court having jurisdiction in the matter requiring release of such records.

Contractor shall have no obligation to indemnify and save harmless Municipality to the extent such obligation is the result of the negligent acts or omissions of the Municipality, its officers, agents, employees and independent contractors.

STATE OF WISCONSIN

VILLAGE OF FOX POINT

MILWAUKEE COUNTY

RESOLUTION NO. 2022-xx

RESOLUTION TO ADOPT THE INTERNATIONAL MIGRATORY BIRD DAY

Whereas, migratory birds are some of the most beautiful and easily observed wildlife that share our communities, *and*

Whereas, many citizens recognize and welcome migratory songbirds as symbolic harbingers of spring, *and*

Whereas, these migrant species also play an important economic role in our community, controlling insect pests and generating millions in recreational dollars statewide, *and*

Whereas, migratory birds and their habitats are declining throughout the Americas, facing a growing number of threats on their migration routes and in both their summer and winter homes, *and*

Whereas, public awareness and concern are crucial components of migratory bird conservation, *And*

Whereas, citizens enthusiastic about birds, informed about the threats they face, and empowered to help address those threats can directly contribute to maintaining healthy bird populations, *and*

Whereas, since 1993 International Migratory Bird Day (IMBD) has become a primary vehicle for focusing public attention on the nearly 350 species that travel between nesting habitats in our communities and throughout North America and their wintering grounds in South and Central America, Mexico, the Caribbean, and the southern U.S., *and*

Whereas, hundreds of thousands of people will observe IMBD, gathering in town squares, community centers, schools, parks, nature centers, and wildlife refuges to learn about birds, take action to conserve them, and simply to have fun, *and*

Whereas, while IMBD officially is held each year on the second Saturday in May, its observance is not limited to a single day, and planners are encouraged to schedule activities on the dates best suited to the presence of both migrants and celebrants, *and*

Whereas, IMBD is not only a day to foster appreciation for wild birds and to celebrate and support migratory bird conservation, but also a call to action,

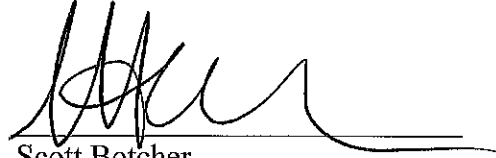
Now Therefore Be It Resolved, that the Fox Point Village President and Village Board hereby designates May 7, 2022 as International Migratory Bird Day in the Village of Fox Point and urges all citizens to celebrate this observance and to support efforts to protect and conserve migratory birds and their habitats in our community and the world at large.

Passed and Adopted by the Village Board, Village of Fox Point, this 11th of January, 2022.

Douglas H. Frazer
Village President

Kelly A. Meyer, CMC/WCMC
Village Clerk/Treasurer

This is to certify that the attached is true and correct list of bills due for a period from December 1-31, 2021, in the total amount of \$1,175,779.60. Each bill has been approved in writing by the official department head or employee authorized to incur the obligations and which bills have been audited by the undersigned pursuant to resolution of the Village Board.

A handwritten signature in black ink, appearing to read 'Scott Botcher', written over a horizontal line.

Scott Botcher
Village Manager
Village of Fox Point

This is to certify that the above listed accounts and demands have been presented and allowed and ordered paid by the Village Board at a meeting thereof held on January 11, 2022.

Douglas H. Frazer
Village President

Kelly A. Meyer
Village Clerk/Treasurer
Village of Fox Point

VILLAGE OF FOX POINT

Payment Approval Report - by GL - Board Report
Report dates: 12/01/2021-12/31/2021

Page: 1
Dec 30, 2021 11:12AM

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Amount Paid	Date Paid
10-13100 ACCOUNTS RECEIVABLE - SUNDRY						
919	DAVID J. FRANK LANDSCAPE C	34339	522 W BERGEN	11/30/2021	450.00	12/02/2021
919	DAVID J. FRANK LANDSCAPE C	34714	432 E FOX DALE CT	11/30/2021	300.00	12/02/2021
919	DAVID J. FRANK LANDSCAPE C	35573	8133 N SENECA RD	11/30/2021	150.00	12/02/2021
1928	MANDEVILLE, FRANCOIS OR J	25132	OVERPAYMENT TAXES	12/15/2021	1,335.28	12/28/2021
Total 10-13100 ACCOUNTS RECEIVABLE - SUNDRY:					2,235.28	
10-21520 GROUP LIFE						
18	SECURIAN FINANCIAL GROUP I	JAN 2022	LIFE INSURANCE	12/10/2021	797.54	12/14/2021
Total 10-21520 GROUP LIFE:					797.54	
10-21521 SUPPLEMENTAL PLANS						
18	SECURIAN FINANCIAL GROUP I	76038-NOV 2021	ACCIDENTAL	12/01/2021	39.54	12/02/2021
18	SECURIAN FINANCIAL GROUP I	DEC 2021--76038	ACCIDENTAL	12/14/2021	39.54	12/17/2021
Total 10-21521 SUPPLEMENTAL PLANS:					79.08	
10-21525 UNION DUES						
185	FOX POINT POLICE PROT. ASS	DECEMBER 2021	POLICE DUES	12/15/2021	450.00	12/17/2021
185	FOX POINT POLICE PROT. ASS	NOVEMBER2021*	POLICE DUES	12/23/2021	45.00	12/28/2021
185	FOX POINT POLICE PROT. ASS	NOVMEBER 2021	POLICE DUES	12/15/2021	450.00	12/17/2021
Total 10-21525 UNION DUES:					945.00	
10-21530 DEFERRED COMPENSATION						
375	NORTH SHORE BANK, FSB	PR1209212	Deferred Comp NORTH SHORE	12/08/2021	825.00	12/10/2021
375	NORTH SHORE BANK, FSB	PR1223212	Deferred Comp NORTH SHORE	12/21/2021	725.00	12/23/2021
814	GREAT-WEST TRUST COMPAN	PR1209211	Deferred Comp WI DEFER - PRE	12/08/2021	4,531.83	12/10/2021
814	GREAT-WEST TRUST COMPAN	PR1209211	Deferred Comp WI DEFER - RO	12/08/2021	986.92	12/10/2021
814	GREAT-WEST TRUST COMPAN	PR1223211	Deferred Comp WI DEFER - PRE	12/21/2021	4,131.83	12/23/2021
814	GREAT-WEST TRUST COMPAN	PR1223211	Deferred Comp WI DEFER - RO	12/21/2021	986.92	12/23/2021
101991	VANTAGEPOINT TRANSFER AG	PR1209211	Deferred Comp ICMA-PRETAX	12/08/2021	1,016.43	12/10/2021
101991	VANTAGEPOINT TRANSFER AG	PR1223211	Deferred Comp ICMA-PRETAX	12/21/2021	909.25	12/23/2021
Total 10-21530 DEFERRED COMPENSATION:					14,113.18	
10-21540 GARNISHMENT						
797	WI SCTF	11/25/2021	REMIT 217318 CASE PIN 217318	12/06/2021	299.20	12/10/2021
797	WI SCTF	12/10/21 HANNA	REMIT 217318 CASE PIN 217318	12/14/2021	149.60	12/17/2021
797	WI SCTF	12/24/2021	REMIT 217318 CASE PIN 217318	12/23/2021	149.60	12/28/2021
Total 10-21540 GARNISHMENT:					598.40	
10-44560 RIGHT-OF-WAY/EXCAVATION						
1909	HEIDEN PLUMBING CO., INC	1.056964	6808 N BARNETT	12/02/2021	1,000.00	12/17/2021
Total 10-44560 RIGHT-OF-WAY/EXCAVATION:					1,000.00	
10-45100 FINES/FORFEITURES						
101691	WAUKESHA COUNTY SHERIFF'	JOSHUA JULY 6/2/8	JULY, JOSHUA 6/2/1983	12/23/2021	373.00	12/28/2021
Total 10-45100 FINES/FORFEITURES:					373.00	
10-51200-395 COUNTY COURT FEES						
330	MILWAUKEE COUNTY TREASU	NOVEMBER 2021	DRIVER SUR/JAIL FEE	12/06/2021	250.00	12/10/2021
552	WISCONSIN, STATE OF - COUR	NOVEMBER 2021	NOVEMBER	12/06/2021	1,121.07	12/10/2021

VILLAGE OF FOX POINT

Payment Approval Report - by GL - Board Report
Report dates: 12/01/2021-12/31/2021

Page: 2
Dec 30, 2021 11:12AM

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Amount Paid	Date Paid
Total 10-51200-395 COUNTY COURT FEES:					1,371.07	
10-51300-218 VILLAGE ATTORNEY						
535	MUNICIPAL LAW & LITIGATION	6286	VLG ATTORNEY	12/02/2021	4,521.30	12/02/2021
535	MUNICIPAL LAW & LITIGATION	6452	VILLAGE ATTORNEY	12/23/2021	3,114.20	12/28/2021
Total 10-51300-218 VILLAGE ATTORNEY:					7,635.50	
10-51300-219 VILLAGE PROSECUTOR						
965	PADWAY & PADWAY LTD	12/8/2021	PROSECUTOR	12/15/2021	1,237.50	12/17/2021
Total 10-51300-219 VILLAGE PROSECUTOR:					1,237.50	
10-51420-310 SUPPLIES/EXPENSES						
451	SCHWAAB, INC.	D017056	STAMP	12/13/2021	88.25	12/17/2021
1786	CONFLUENCE GRAPHICS	74799	TAX BILLS	12/17/2021	1,770.30	12/28/2021
Total 10-51420-310 SUPPLIES/EXPENSES:					1,858.55	
10-51530-210 CONTRACT SERVICES						
2706	ASSOCIATED APPRAISAL CON	157578	PROFESSION SERV/ INTERNET	12/08/2021	2,748.33	12/10/2021
2706	ASSOCIATED APPRAISAL CON	160079	PROFESSION SERV/ INTERNET	12/28/2021	2,789.96	12/30/2021
Total 10-51530-210 CONTRACT SERVICES:					5,538.29	
10-51600-210 CONTRACT SERVICES						
45	KEY BENEFIT CONCEPTS, LLC	2261824	POST EMPLOYMENT / PENISIO	12/28/2021	960.00	12/29/2021
265	GREATAMERICAN FINANCIAL S	30485012	MONTHLY COPIER	12/01/2021	232.00	12/02/2021
265	GREATAMERICAN FINANCIAL S	30673516	MONTHLY COPIER	12/23/2021	232.00	12/26/2021
477	TAYLOR COMPUTER SERVICES	22632	MANAGED SERVICES	12/23/2021	432.35	12/28/2021
789	DO IT NOW CLEANING LLC	377	MONTHLY CLEANING	12/02/2021	1,583.37	12/02/2021
789	DO IT NOW CLEANING LLC	390	MONTHLY CLEANING	12/29/2021	1,583.37	12/30/2021
905	MARCO TECHNOLOGIES, LLC	INV9351604	CHANGE ORDER VH	11/30/2021	150.00	12/02/2021
905	MARCO TECHNOLOGIES, LLC	INV9352890	REPROGRAM	11/30/2021	150.00	12/02/2021
Total 10-51600-210 CONTRACT SERVICES:					5,323.09	
10-51600-220 GAS-HEAT						
536	WE-ENERGIES	11/23/21	0702787382-00002	12/01/2021	476.24	12/02/2021
536	WE-ENERGIES	12/22/2021	0702787382-00002	12/28/2021	875.45	12/29/2021
Total 10-51600-220 GAS-HEAT:					1,351.69	
10-51600-221 ELECTRIC UTILITIES						
536	WE-ENERGIES	11/23/21	0702787382-00002	12/01/2021	1,205.10	12/02/2021
536	WE-ENERGIES	12/22/2021	0702787382-00002	12/28/2021	1,182.51	12/29/2021
Total 10-51600-221 ELECTRIC UTILITIES:					2,387.61	
10-51600-222 TELEPHONE UTILITIES						
2691	CENTURYLINK-BUSINESS SVC.	254369624	ACCOUNT #87619173	12/14/2021	.37	12/17/2021
5312	AT & T- VILLAGE	11/22/2021	414 351-8909-758 7	12/07/2021	63.50	12/10/2021
Total 10-51600-222 TELEPHONE UTILITIES:					63.87	
10-51600-223 WATER/SEWER UTILITIES						
186	FOX POINT, VILLAGE OF - W/U	8/1-11/1/21	VH WATER AND SEWER	11/30/2021	808.58	12/02/2021

VILLAGE OF FOX POINT

Payment Approval Report - by GL - Board Report

Page: 3

Report dates: 12/01/2021-12/31/2021

Dec 30, 2021 11:12AM

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Amount Paid	Date Paid
Total 10-51600-223 WATER/SEWER UTILITIES:					808.58	
10-51600-234 VILLAGE HALL MAINTENANCE						
330	NASSCO INC.	6088651	PAPERSUPPLIES	12/07/2021	127.54	12/10/2021
330	NASSCO INC.	6100382	PAPER PRODUCTS	12/29/2021	199.93	12/30/2021
892	SPECTRUM	12/07/2021	8348 10 012 0042231 VLG	12/14/2021	8.76	12/17/2021
Total 10-51600-234 VILLAGE HALL MAINTENANCE:					336.23	
10-51600-310 SUPPLIES/MISC EXPENSES						
5033	OFFICE DEPOT -US COMMUNIT	209564530001	37360205-VLG	12/14/2021	54.11-	12/17/2021
5033	OFFICE DEPOT -US COMMUNIT	210367760001	37360205-VLG	12/14/2021	46.54	12/17/2021
5033	OFFICE DEPOT -US COMMUNIT	21290774001	37360205-VLG	12/14/2021	51.02	12/17/2021
5033	OFFICE DEPOT -US COMMUNIT	216249801001	37360205-VLG	12/23/2021	71.39	12/28/2021
Total 10-51600-310 SUPPLIES/MISC EXPENSES:					114.84	
10-51600-311 POSTAGE						
415	POSTMASTER	2021 TAX BILLS	TAX BILL PERMIT 4153	12/10/2021	1,341.21	12/10/2021
Total 10-51600-311 POSTAGE:					1,341.21	
10-51700-511 GROUP HEALTH - RETIREES						
78	RACE, THOMAS R	12312021	NORTHSHORE FIRE	12/28/2021	2,756.27	12/29/2021
433	RESNICK, AMY	24	HEALTH INSURANCE REIMBUR	12/01/2021	481.12	12/02/2021
435	RIES, DANIEL	40	HEALTH	12/01/2021	839.15	12/02/2021
446	SCHELLING JUDITH	3	REIMBURSEMENT	12/01/2021	222.95	12/02/2021
548	WOJTANOWSKI, WILLIAM	8	MONTHLY DELTA VISION	12/01/2021	159.92	12/02/2021
638	KRIEFALL, DONALD A	68	HEALTH INSURANCE REIMBUR	12/01/2021	323.21	12/02/2021
Total 10-51700-511 GROUP HEALTH - RETIREES:					4,782.62	
10-52100-210 POLICE MAINTENANCE CONTRACTS						
707	FIRST RESPONDERS PSYCHOL	1121FPPD	INDV THERAPY	12/14/2021	100.00	12/17/2021
5152	JAMES IMAGING SYSTEMS, IN	1137377	POLICE DEPARTMENT	12/20/2021	77.83	12/28/2021
Total 10-52100-210 POLICE MAINTENANCE CONTRACTS:					177.83	
10-52100-220 GAS UTILITIES						
533	WE-ENERGIES	11/22/2021	0702787382-00008	11/30/2021	751.49	12/02/2021
536	WE-ENERGIES	12/22/2021	0702787382-00008	12/28/2021	1,023.89	12/29/2021
Total 10-52100-220 GAS UTILITIES:					1,775.38	
10-52100-221 ELECTRIC UTILITIES						
536	WE-ENERGIES	11/22/2021	0702787382-00015	11/30/2021	33.32	12/02/2021
536	WE-ENERGIES	11/22/2021	0702787382-00006	11/30/2021	1,631.57	12/02/2021
536	WE-ENERGIES	12/22/2021	0702787382-00015	12/28/2021	34.14	12/29/2021
536	WE-ENERGIES	12/22/2021	0702787382-00006	12/28/2021	1,553.01	12/29/2021
Total 10-52100-221 ELECTRIC UTILITIES:					3,252.04	
10-52100-222 TELEPHONE UTILITIES						
892	SPECTRUM	20211201OTA	8348 10 012 0041845 POLICE	12/14/2021	17.51	12/17/2021
2136	VERIZON WIRELESS	9892123990	786223225-00001 POLICE	11/22/2021	291.57	12/02/2021
2138	VERIZON WIRELESS	9894345944	786223225-00001 POLICE	12/14/2021	291.41	12/17/2021
2891	CENTURYLINK-BUSINESS SVC.	254369624	ACCOUNT #87619173	12/14/2021	.36	12/17/2021

VILLAGE OF FOX POINT

Payment Approval Report - by GL - Board Report
Report dates: 12/01/2021-12/31/2021

Page: 4
Dec 30, 2021 11:12AM

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Amount Paid	Date Paid
2973	TIME WARNER CABLE	70433001120121	070433001	12/06/2021	908.82	12/10/2021
5312	AT & T- VILLAGE	11/22/2021	414 351-8909-758 7	12/07/2021	39.89	12/10/2021
Total 10-52100-222 TELEPHONE UTILITIES:					1,549.36	
10-52100-223 WATER/SEWER UTILITIES						
186	FOX POINT, VILLAGE OF - W/U	8/1-11/1/21	POLICE WATER AND SEWER	11/30/2021	1,420.69	12/02/2021
Total 10-52100-223 WATER/SEWER UTILITIES:					1,420.69	
10-52100-233 EQUIPMENT MAINTENANCE						
503	VILLAGE HARDWARE - DPS	214123	CAR WASH	12/20/2021	27.10	12/28/2021
4007	FOX POINT POLICE PETTY CAS	12/08/2021	PETTY CASH	12/14/2021	71.05	12/17/2021
5747	PROFESSIONAL ID CARDS, INC	17088	ID CARD	12/01/2021	18.50	12/02/2021
5839	LEXISNEXIS	1248411-20211130	MONTHLY FEE	12/06/2021	30.00	12/10/2021
Total 10-52100-233 EQUIPMENT MAINTENANCE:					146.65	
10-52100-234 BUILDING MAINTENANCE						
1288	AUTOMATIC BUILDING CONTR	sd404	REMOTE SUPPORT	12/14/2021	140.50	12/17/2021
1751	ACTION HEATING COOLING & P	115603	REPAIR	12/08/2021	372.50	12/10/2021
Total 10-52100-234 BUILDING MAINTENANCE:					513.00	
10-52100-310 SUPPLIES/EXPENSES						
5033	OFFICE DEPOT -US COMMUNIT	216249801001	37360205 POLICE	12/23/2021	79.87	12/28/2021
5033	OFFICE DEPOT -US COMMUNIT	216279829001	37360205 POLICE	12/30/2021	7.33	12/30/2021
Total 10-52100-310 SUPPLIES/EXPENSES:					87.20	
10-52100-322 TRAINING						
4398	WCPA	6524	FREEDY DUES	12/01/2021	150.00	12/10/2021
Total 10-52100-322 TRAINING:					150.00	
10-52100-330 CLOTHING ALLOWANCE						
473	STREICHER'S	1538229	HANNA	12/08/2021	118.97	12/10/2021
473	STREICHER'S	1538314	PAUL	12/08/2021	86.96	12/10/2021
473	STREICHER'S	1538358	ADAMAITIS	12/08/2021	18.99	12/10/2021
473	STREICHER'S	1538617	ARENDT	12/14/2021	340.54	12/17/2021
473	STREICHER'S	1539294	BASTRESS	12/20/2021	114.99	12/28/2021
473	STREICHER'S	1539443	ADAMAITIS	12/20/2021	210.00	12/28/2021
473	STREICHER'S	1539728	GROSSMUELLER	12/20/2021	206.95	12/28/2021
473	STREICHER'S	1540601	HANNA	12/20/2021	3.60	12/28/2021
473	STREICHER'S	1540902	HANNA	12/20/2021	16.99	12/28/2021
473	STREICHER'S	1540935	BROUWER	12/28/2021	79.99	12/30/2021
473	STREICHER'S	1540936	BROUWER	12/28/2021	114.99	12/30/2021
909	THE UNIFORM SHOPPE OF GR	316574	BADGE	12/08/2021	145.90	12/10/2021
Total 10-52100-330 CLOTHING ALLOWANCE:					1,458.87	
10-52100-334 JANITORIAL SUPPLIES						
393	PACKERLAND RENT-A-MAT INC.	2846814	10586-10586-POLICE DEPT	12/14/2021	164.82	12/17/2021
Total 10-52100-334 JANITORIAL SUPPLIES:					164.82	
10-52100-335 SCHOOL EXPENSES						
511	WAUKESHA COUNT TECH. COL	0757747	TRAINING	11/29/2021	130.20	12/02/2021

VILLAGE OF FOX POINT

Payment Approval Report - by GL - Board Report
Report dates: 12/01/2021-12/31/2021

Page: 5
Dec 30, 2021 11:12AM

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Amount Paid	Date Paid
4398	WCPA	6224	DUBNICKA MEMBERSHIP	12/01/2021	100.00	12/02/2021
Total 10-52100-335 SCHOOL EXPENSES:					230.20	
10-52100-351 DARE FUND PURCHASES						
5784	CREATIVE PRODUCT SOURCIN	143175	DARE SUPPLIES	12/28/2021	597.02	12/30/2021
Total 10-52100-351 DARE FUND PURCHASES:					597.02	
10-53100-322 TRAINING						
32	APWA	79804-2022	MEMBERSHIP DUES	10/05/2021	390.00	12/02/2021
Total 10-53100-322 TRAINING:					390.00	
10-53300-221 STREET LIGHTS - ELECTRIC						
536	WE-ENERGIES	12/03/2021	0702787382-00001	12/09/2021	189.81	12/10/2021
536	WE-ENERGIES	12/08/2021	0702787382-00013	12/14/2021	19.78	12/17/2021
Total 10-53300-221 STREET LIGHTS - ELECTRIC:					209.59	
10-53300-405 STREET MATERIALS						
458	SHERWIN INDUSTRIES, INC.	SC047992	FIBER BULK	12/29/2021	304.37	12/30/2021
5986	WSO GRADING & EXCAVATING	4140	TRUCKING	12/21/2021	1,050.00	12/28/2021
Total 10-53300-405 STREET MATERIALS:					1,354.37	
10-53310-400 MATERIALS						
4888	CARLIN SALES	3013445	CALCIUM CHLORIDE	12/14/2021	1,304.43	12/17/2021
Total 10-53310-400 MATERIALS:					1,304.43	
10-53400-221 BUS STOP-ELECTRIC						
536	WE-ENERGIES	11/22/2021	0702787382-00014	11/30/2021	15.71	12/02/2021
536	WE-ENERGIES	12/08/2021	0702787382-00016	12/14/2021	17.88	12/17/2021
536	WE-ENERGIES	12/08/2021	0702787382-00005	12/14/2021	17.88	12/17/2021
536	WE-ENERGIES	12/10/2021	0702787382-00003	12/15/2021	20.03	12/17/2021
536	WE-ENERGIES	12/17/2021	0702787382-00014	12/23/2021	17.88	12/28/2021
Total 10-53400-221 BUS STOP-ELECTRIC:					89.38	
10-53630-370 LANDFILL FEES						
1298	WASTE MANAGEMENT OF WI-M	0000658-1996-2	MSW	12/07/2021	8,588.07	12/10/2021
Total 10-53630-370 LANDFILL FEES:					8,588.07	
10-53642-400 MATERIALS						
1298	WASTE MANAGEMENT OF WI-M	0063068-2286-4	YARDWASTE	11/30/2021	933.71	12/02/2021
1298	WASTE MANAGEMENT OF WI-M	0063177-2286-3	YARDWASTE	12/07/2021	657.69	12/10/2021
1298	WASTE MANAGEMENT OF WI-M	0063301-2286-9	YARDWASTE	12/30/2021	651.04	12/30/2021
Total 10-53642-400 MATERIALS:					2,242.44	
10-53700-300 MISCELLANEOUS EXPENSE						
502	VILLAGE HARDWARE - VH	213945-1	BULB	12/21/2021	28.57	12/28/2021
2241	ITU ABSORB TECH, INC	7803862	SHOP	11/22/2021	11.71	12/02/2021
2241	ITU ABSORB TECH, INC	7808009	SHOP	11/22/2021	11.71	12/02/2021
2241	ITU ABSORB TECH, INC	7812022	SHOP	12/06/2021	11.71	12/10/2021
2241	ITU ABSORB TECH, INC	7816386	SHOP	12/06/2021	11.71	12/10/2021

VILLAGE OF FOX POINT

Payment Approval Report - by GL - Board Report
Report dates: 12/01/2021-12/31/2021

Page: 6
Dec 30, 2021 11:12AM

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Amount Paid	Date Paid
2241	ITU ABSORB TECH, INC	7820397	SHOP	12/21/2021	11.71	12/28/2021
2241	ITU ABSORB TECH, INC	7824847	SHOP	12/21/2021	11.71	12/28/2021
2668	MEQUON VACUUM CENTER	555588	VACUUM PARTS	12/21/2021	82.85	12/28/2021
4777	BATTERIES PLUS -	P43723965	BACK UPS	12/07/2021	71.95	12/10/2021
5691	CINTAS CORPORATION	5088368864	FIRST AID CABINET	12/21/2021	32.13	12/28/2021
Total 10-53700-300 MISCELLANEOUS EXPENSE:					285.76	

10-53700-341 REPAIR PARTS

43	AUTO PARTS & SERVICE	854613	MISC	11/22/2021	292.57	12/02/2021
43	AUTO PARTS & SERVICE	855777	MISC	12/06/2021	37.95	12/10/2021
43	AUTO PARTS & SERVICE	855777	MISC	12/06/2021	35.88	12/10/2021
362	GRIFFIN CHEVROLET	415558	PARTS	11/22/2021	163.08	12/02/2021
362	GRIFFIN CHEVROLET	416777	PARTS	11/22/2021	68.12	12/02/2021
585	LFGEORGE INC.	IC82196	MISC	12/21/2021	56.42	12/28/2021
591	CUMMINS INC.	F6-12928	PARTS	12/06/2021	36.32	12/10/2021
591	CUMMINS INC.	F6-20309	CREDIT TAX	11/30/2021	13.93	12/02/2021
591	CUMMINS INC.	F6-20310	CREDIT TAX	11/30/2021	2.12	12/02/2021
631	FACTORY MOTOR PARTS	160-121659	MISC	12/06/2021	13.70	12/10/2021
631	FACTORY MOTOR PARTS	160-121657	PARTS	12/06/2021	66.12	12/10/2021
631	FACTORY MOTOR PARTS	160-122256	MISC	12/21/2021	80.29	12/28/2021
631	FACTORY MOTOR PARTS	50-3618670	PARTS	11/22/2021	143.59	12/02/2021
631	FACTORY MOTOR PARTS	50-3618670	CREDIT 160-113486	11/22/2021	115.97	12/02/2021
631	FACTORY MOTOR PARTS	50-3642831	MISC	12/21/2021	76.35	12/28/2021
631	FACTORY MOTOR PARTS	50-3643135	MISC	12/21/2021	236.34	12/28/2021
631	FACTORY MOTOR PARTS	50-3655128	MISC	12/21/2021	7.90	12/28/2021
665	LAKESIDE INTERNATIONAL TR	1350510P	MISC	11/22/2021	421.52	12/02/2021
1009	PARTNERS MFG. GROUP, INC	2021-1811	PARTS	11/22/2021	106.00	12/02/2021
1132	BURRIS EQUIPMENT CO.	PS1009613-1	MISC	11/22/2021	370.02	12/02/2021
1629	CASPER'S TRUCK EQUIPMENT	0051204-IN	SENSOR	12/21/2021	398.27	12/28/2021
3259	HYQUIP, LLC- WAUKESHA	00471890	HOSE ASSEMB	11/22/2021	91.90	12/02/2021
4112	ROAD EQUIPMENT PARTS CEN	WM825127	PARTS	11/22/2021	227.46	12/02/2021
4112	ROAD EQUIPMENT PARTS CEN	WM825127	CREDIT	11/22/2021	47.84	12/02/2021
4141	CUMMINS N POWER, LLC	S6-80318	VOLT	12/21/2021	18.90	12/28/2021
101685	FASTENAL COMPANY	WIGOV3830	MISC	12/21/2021	5.07	12/28/2021
Total 10-53700-341 REPAIR PARTS:					2,773.91	

10-53700-343 FUEL

43	AUTO PARTS & SERVICE	855777	DEF	12/03/2021	62.94	12/10/2021
1337	HERBST OIL, INC	79079	FUEL	11/22/2021	1,869.60	12/02/2021
1337	HERBST OIL, INC	79080	FUEL	11/22/2021	1,283.55	12/02/2021
1337	HERBST OIL, INC	79415*	FUEL	12/06/2021	1,893.57	12/10/2021
1337	HERBST OIL, INC	79416	FUEL	12/06/2021	2,857.51	12/10/2021
Total 10-53700-343 FUEL:					7,967.17	

10-53800-220 GAS UTILITIES

536	WE-ENERGIES	11/23/21	0702787382-00002	12/01/2021	476.24	12/02/2021
536	WE-ENERGIES	12/22/2021	0702787382-00002	12/28/2021	875.48	12/29/2021
Total 10-53800-220 GAS UTILITIES:					1,351.70	

10-53800-221 ELECTRIC UTILITIES

536	WE-ENERGIES	11/23/21	0702787382-00002	12/01/2021	1,205.10	12/02/2021
536	WE-ENERGIES	12/22/2021	0702787382-00002	12/28/2021	1,182.50	12/29/2021

VILLAGE OF FOX POINT

Payment Approval Report - by GL - Board Report
Report dates: 12/01/2021-12/31/2021

Page: 7
Dec 30, 2021 11:12AM

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Amount Paid	Date Paid
Total 10-53800-221 ELECTRIC UTILITIES:					2,387.60	
10-53800-222 TELEPHONE UTILITIES						
5312	AT & T- VILLAGE	11/22/2021	414 351-8909-758 7	12/07/2021	55.57	12/10/2021
Total 10-53800-222 TELEPHONE UTILITIES:					55.57	
10-53800-223 WATER/SEWER UTILITIES						
188	FOX POINT, VILLAGE OF - W/U	8/1-11/1/21	VH WATER AND SEWER	11/30/2021	808.58	12/02/2021
Total 10-53800-223 WATER/SEWER UTILITIES:					808.58	
10-53800-224 CELL PHONES						
2136	VERIZON WIRELESS	9894102065	787058169-00001	12/01/2021	191.64	12/17/2021
Total 10-53800-224 CELL PHONES:					191.64	
10-53800-300 MISCELLANEOUS EXPENSE						
410	JOSEPH, LEON OR BONNIE	193034	REPLACEMENT BOUGHS	12/09/2021	332.17	12/10/2021
1074	MATHESON TRI-GAS, INC	51891605	ARGON	12/21/2021	33.00	12/28/2021
2241	ITU ABSORB TECH, INC	7803864	DPW	11/22/2021	27.23	12/02/2021
2241	ITU ABSORB TECH, INC	7808011	TOWELS/MATS	11/22/2021	213.31	12/02/2021
2241	ITU ABSORB TECH, INC	7812024	DPW	12/06/2021	27.23	12/10/2021
2241	ITU ABSORB TECH, INC	7816388	DPW	12/06/2021	27.23	12/10/2021
2241	ITU ABSORB TECH, INC	7820389	TOWELS/MATS	12/21/2021	1,079.87	12/28/2021
2241	ITU ABSORB TECH, INC	7824849	TOWELS/MATS	12/21/2021	213.31	12/28/2021
Total 10-53800-300 MISCELLANEOUS EXPENSE:					1,953.35	
10-55200-440 FOOT/BIKE PATH MAINTENANCE						
4888	CARLIN SALES	3013445	CALCIUM CHLORIDE	12/14/2021	70.79	12/17/2021
4888	CARLIN SALES	3013520-00	SHOVELS/MARKER	12/14/2021	179.21	12/17/2021
Total 10-55200-440 FOOT/BIKE PATH MAINTENANCE:					250.00	
10-55400-430 LX CLUB MATERIALS						
890	FOX POINT BAYSIDE LX CLUB	3	LX CLUB FEES	12/09/2021	440.00	12/17/2021
Total 10-55400-430 LX CLUB MATERIALS:					440.00	
10-55440-220 GAS UTILITIES						
536	WE-ENERGIES	12/08/2021	0702787382-00011	12/14/2021	526.28	12/17/2021
Total 10-55440-220 GAS UTILITIES:					526.28	
10-55440-221 ELECTRIC UTILITIES						
536	WE-ENERGIES	12/08/2021	0702787382-00010	12/14/2021	171.71	12/17/2021
Total 10-55440-221 ELECTRIC UTILITIES:					171.71	
10-55440-450 SKATE RINK MATERIALS						
186	FOX POINT, VILLAGE OF - W/U	8/1-11/1/21	L, ICE RINK	11/30/2021	117.93	12/02/2021
186	FOX POINT, VILLAGE OF - W/U	8/1-11/1/21	LONGACRE PAVILION	11/30/2021	988.79	12/02/2021
360	NASSCO INC.	6088651	PAPERSUPPLIES	12/07/2021	127.54	12/10/2021
360	NASSCO INC.	6100382	PAPER PRODUCTS	12/29/2021	198.84	12/30/2021

VILLAGE OF FOX POINT

Payment Approval Report - by GL - Board Report
Report dates: 12/01/2021-12/31/2021

Page: 8
Dec 30, 2021 11:12AM

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Amount Paid	Date Paid
Total 10-55440-450 SKATE RINK MATERIALS:					1,434.20	
21-71000-400 MATERIALS						
141	DIGGERS HOTLINE	211157801	TICKETS	11/30/2021	21.08	12/10/2021
4591	VERMEER-WISCONSIN, INC.	530041	MESH	12/10/2021	1,058.98	12/17/2021
Total 21-71000-400 MATERIALS:					1,081.06	
21-72000-220 GAS UTILITIES						
536	WE-ENERGIES	12/08/2021	0702767382-00004	12/14/2021	12.74	12/17/2021
Total 21-72000-220 GAS UTILITIES:					12.74	
21-72000-221 ELECTRIC UTILITIES						
536	WE-ENERGIES	12/08/2021	0702787382-00007	12/14/2021	33.19	12/17/2021
536	WE-ENERGIES	12/08/2021	0702767382-00004	12/14/2021	147.86	12/17/2021
Total 21-72000-221 ELECTRIC UTILITIES:					181.05	
21-73000-226 MMSD CHARGES						
290	MMSD	244-21	AUG-OCT	12/01/2021	111,210.03	12/02/2021
Total 21-73000-226 MMSD CHARGES:					111,210.03	
21-73000-310 SUPPLIES/EXPENSES						
415	POSTMASTER	8/1-11/01/21	AUG-NOV WATER BILLS	12/01/2021	245.91	12/01/2021
Total 21-73000-310 SUPPLIES/EXPENSES:					245.91	
21-73000-400 MATERIALS						
2136	VERIZON WIRELESS	9894102065	787056169-00001	12/01/2021	37.50	12/17/2021
Total 21-73000-400 MATERIALS:					37.50	
21-91000-575 PRIVATE LATERAL PROGRAM (MMSD)						
256	KAPUR & ASSOCIATES, INC.	110378	PPII PROGRAM	11/18/2021	20,228.00	12/02/2021
1859	LEVIN, RANDALL OR FAY	LATERAL 2021	LATERAL REIMBURSE	12/14/2021	5,000.00	12/17/2021
Total 21-91000-575 PRIVATE LATERAL PROGRAM (MMSD):					25,228.00	
21-91000-888 SEWER SYSTEM IMPROVEMENTS						
102047	GLOBE CONTRACTORS, INC.	3	SANITARY	11/22/2021	1,100.00	12/02/2021
Total 21-91000-888 SEWER SYSTEM IMPROVEMENTS:					1,100.00	
22-53650-210 CONTRACT SERVICES						
1299	WASTE MANAGEMENT OF WI-M	6713011-2275-5	MONTHLY RECYCLING	12/07/2021	22,163.00	12/10/2021
Total 22-53650-210 CONTRACT SERVICES:					22,163.00	
23-55420-220 GAS UTILITIES						
536	WE-ENERGIES	12/08/2021	0702787382-00012	12/14/2021	10.89	12/17/2021
Total 23-55420-220 GAS UTILITIES:					10.89	
23-55420-221 ELECTRIC UTILITIES						
536	WE-ENERGIES	12/08/2021	0702787382-00012	12/14/2021	17.88	12/17/2021

VILLAGE OF FOX POINT

Payment Approval Report - by GL - Board Report
Report dates: 12/01/2021-12/31/2021

Page: 9
Dec 30, 2021 11:12AM

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Amount Paid	Date Paid
Total 23-55420-221 ELECTRIC UTILITIES:					17.88	
23-55420-223 WATER/SEWER UTILITIES						
186	FOX POINT, VILLAGE OF - W/U	8/1-11/1/21	POOL WATER AND SEWER	11/30/2021	1,958.46	12/02/2021
Total 23-55420-223 WATER/SEWER UTILITIES:					1,958.46	
24-44460 BUILDING PERMIT						
1103	SCHWEBEL, BRIAN	1.058719	PARTIAL REFUND	10/01/2021	65.00	12/17/2021
Total 24-44460 BUILDING PERMIT:					65.00	
24-52400-210 CONTRACT SERVICES						
535	MUNICIPAL LAW & LITIGATION	6286	VLG ATTORNEY	12/02/2021	59.70	12/02/2021
535	MUNICIPAL LAW & LITIGATION	6452	VILLAGE ATTORNEY	12/23/2021	961.50	12/28/2021
2647	KWK ELECTRIC INC	12187	INSPECTION	12/15/2021	240.00	12/17/2021
Total 24-52400-210 CONTRACT SERVICES:					1,261.20	
24-52400-224 CELL PHONES						
2136	VERIZON WIRELESS	9894102065	787056169-00001	12/01/2021	35.00	12/17/2021
Total 24-52400-224 CELL PHONES:					35.00	
25-52400-397 PUBLIC EDUCATION PROGRAM						
1553	SWEETWATER	1582	RESPECT WATER PROGRAM	12/02/2021	875.00	12/10/2021
Total 25-52400-397 PUBLIC EDUCATION PROGRAM:					875.00	
25-53410-400 MATERIALS						
141	DIGGERS HOTLINE	211157801	TICKETS	11/30/2021	21.08	12/10/2021
Total 25-53410-400 MATERIALS:					21.08	
25-53800-210 CONTRACT SERVICES						
2136	VERIZON WIRELESS	9894102065	787056169-00001	12/01/2021	30.00	12/17/2021
Total 25-53800-210 CONTRACT SERVICES:					30.00	
25-55410-310 SUPPLIES/EXPENSES						
415	POSTMASTER	8/1-11/01/21	AUG-NOV WATER BILLS	12/01/2021	245.92	12/01/2021
Total 25-55410-310 SUPPLIES/EXPENSES:					245.92	
25-91500-800 WPDES COMPLIANCE PROGRAM						
221	PROPET DISTRIBUTORS INC.	137232	LITTER BAGS	12/20/2021	280.75	12/28/2021
Total 25-91500-800 WPDES COMPLIANCE PROGRAM:					280.75	
25-91500-833 STORM SEWER SYSTEM IMPROVE.						
535	MUNICIPAL LAW & LITIGATION	6286	VLG ATTORNEY	12/02/2021	2,284.50	12/02/2021
535	MUNICIPAL LAW & LITIGATION	6452	VILLAGE ATTORNEY	12/23/2021	355.00	12/28/2021
1033	ALL-WAYS CONTRACTORS INC.	Greenvale-2	GREENVALE STORM WATER	12/21/2021	9,230.00	12/28/2021
102047	GLOBE CONTRACTORS, INC.	3	SANITARY	11/22/2021	592.50	12/02/2021
Total 25-91500-833 STORM SEWER SYSTEM IMPROVE.:					12,462.00	

VILLAGE OF FOX POINT

Payment Approval Report - by GL - Board Report
Report dates: 12/01/2021-12/31/2021

Page: 10
Dec 30, 2021 11:12AM

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Amount Paid	Date Paid
25-91500-846 STORM SEWER ASSESSMENTS						
256	KAPUR & ASSOCIATES, INC.	110585	DRAINAGE STUDY	11/23/2021	4,410.00	12/10/2021
Total 25-91500-846 STORM SEWER ASSESSMENTS:					4,410.00	
40-91400-813 RUBBISH SCOOTER						
904	CKC GRAPHICS & SIGNS	5011	GRAPHICS	12/08/2021	1,025.00	12/10/2021
1042	EJ EQUIPMENT INC	E01714	REFUSE HAULER	11/22/2021	33,169.00	12/02/2021
1042	EJ EQUIPMENT INC	E01717	REFUSE HAULER	11/22/2021	33,169.00	12/02/2021
1042	EJ EQUIPMENT INC	E01718	REFUSE HAULER	11/22/2021	33,169.00	12/02/2021
Total 40-91400-813 RUBBISH SCOOTER:					100,532.00	
40-91400-843 CARTS FOR REAR TIP SCOOTERS						
1042	EJ EQUIPMENT INC	E01715	REFUSE HAULER	11/22/2021	33,169.00	12/02/2021
1042	EJ EQUIPMENT INC	E01716	REFUSE HAULER	11/22/2021	33,169.00	12/02/2021
Total 40-91400-843 CARTS FOR REAR TIP SCOOTERS:					66,338.00	
40-91500-801 STREET RESURFACING						
256	KAPUR & ASSOCIATES, INC.	110641	ROAD AND UTILITY	12/15/2021	629.48	12/28/2021
256	KAPUR & ASSOCIATES, INC.	40-91500-801	LAKE DRIVE CONCEPTUAL DE	11/23/2021	4,159.50	12/10/2021
1033	ALL-WAYS CONTRACTORS INC.	Pay App 5 2021	2021 ROAD & UTILITY	11/29/2021	170,702.07	12/02/2021
1073	WI DEPT. OF TRANSPORTATIO	395-0000242029	DESIGN	12/01/2021	336.84	12/17/2021
Total 40-91500-801 STREET RESURFACING:					175,827.89	
40-91600-800 STORMWATER ROAD PROJECT						
256	KAPUR & ASSOCIATES, INC.	110640	BARNETT RAVINE	12/14/2021	318.00	12/28/2021
817	JOHNSON'S NURSERY	81068	FALL TREES	11/02/2021	1,231.00	12/02/2021
1033	ALL-WAYS CONTRACTORS INC.	Pay App 5 2021	2021 ROAD & UTILITY	11/29/2021	205,427.66	12/02/2021
5986	WSO GRADING & EXCAVATING	Barnett-2	BARNETT RAVINE	12/21/2021	242,267.77	12/28/2021
Total 40-91600-800 STORMWATER ROAD PROJECT:					449,244.43	
40-91600-830 SIGN REPLACEMENT						
101644	TAPCO	1714458	MARKING DEVICE	12/13/2021	190.00	12/17/2021
Total 40-91600-830 SIGN REPLACEMENT:					190.00	
40-91600-833 TREE REPLACEMENT						
5933	WACHTEL TREE SCIENCE & SE	93555	EAB	11/30/2021	3,770.00	12/10/2021
Total 40-91600-833 TREE REPLACEMENT:					3,770.00	
40-91600-851 DISEASED TREE REMOVAL						
89	WALLACE TREE & LANDSCAPE	246	TREE REMOVAL	12/14/2021	2,000.00	12/28/2021
535	MUNICIPAL LAW & LITIGATION	6286	VLG ATTORNEY	12/02/2021	65.00	12/02/2021
535	MUNICIPAL LAW & LITIGATION	6452	VILLAGE ATTORNEY	12/23/2021	479.10	12/28/2021
Total 40-91600-851 DISEASED TREE REMOVAL:					2,544.10	
50-81000-601 SOURCE OF WATER SUPPLY						
378	NORTH SHORE WATER COMMI	88	MONTHLY	12/01/2021	20,946.20	12/02/2021
Total 50-81000-601 SOURCE OF WATER SUPPLY:					20,946.20	

VILLAGE OF FOX POINT

Payment Approval Report - by GL - Board Report
Report dates: 12/01/2021-12/31/2021

Page: 11
Dec 30, 2021 11:12AM

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Amount Paid	Date Paid
50-81000-640 OPERATIONS LABOR WATER MAINS						
2839	CITY WATER LLC	831	MONTHLY MANAGEMENT FEE	12/06/2021	6,100.00	12/10/2021
Total 50-81000-640 OPERATIONS LABOR WATER MAINS:					6,100.00	
50-81000-641 OPERATIONS SUPPLY AND EXPENSE						
959	ETNA SUPPLY	S104354340.001	PIPE LUBE	12/21/2021	9.40	12/28/2021
Total 50-81000-641 OPERATIONS SUPPLY AND EXPENSE:					9.40	
50-81000-651 MAINTENANCE OF MAINS						
141	DIGGERS HOTLINE	211157801	TICKETS	11/30/2021	21.09	12/10/2021
357	MUNSON INC.	0083672	ASPHALT PATCHING	12/13/2021	2,779.00	12/17/2021
458	SHERWIN INDUSTRIES, INC.	SC047992	FIBER BULK	12/29/2021	304.38	12/30/2021
474	CORE & MAIN LP	P958701	PARTS	11/18/2021	114.30	12/02/2021
474	CORE & MAIN LP	Q106776	HYMAX	12/17/2021	859.62	12/28/2021
574	UPI, LLC	TM-1-2100	WATERMAIN REPAIR	11/22/2021	7,172.72	12/02/2021
2241	ITU ABSORB TECH, INC	7803863	WATER DEPT	11/22/2021	8.47	12/02/2021
2241	ITU ABSORB TECH, INC	7808010	WATER	11/22/2021	45.67	12/02/2021
2241	ITU ABSORB TECH, INC	7812023	WATER DEPT	12/06/2021	8.47	12/10/2021
2241	ITU ABSORB TECH, INC	7816387	WATER DEPT	12/06/2021	8.47	12/10/2021
2241	ITU ABSORB TECH, INC	7820398	WATER DEPT	12/21/2021	8.47	12/28/2021
2241	ITU ABSORB TECH, INC	7824848	WATER	12/21/2021	45.67	12/28/2021
5986	WSO GRADING & EXCAVATING	4140	TRUCKING	12/21/2021	1,050.00	12/28/2021
Total 50-81000-651 MAINTENANCE OF MAINS:					12,426.33	
50-81000-653 MAINTENANCE OF METERS						
50	BADGER METER, INC.	80087461	HOSTING SERV UNIT	11/30/2021	150.16	12/02/2021
Total 50-81000-653 MAINTENANCE OF METERS:					150.16	
50-81000-800 CAPITAL OUTLAY						
535	MUNICIPAL LAW & LITIGATION	6286	VLG ATTORNEY	12/02/2021	134.50	12/02/2021
535	MUNICIPAL LAW & LITIGATION	6452	VILLAGE ATTORNEY	12/23/2021	329.50	12/28/2021
899	CARPENTER TECHNOLOGY	2657	WATER DEPT	11/22/2021	473.89	12/02/2021
1033	ALL-WAYS CONTRACTORS INC.	Pay App 5 2021	2021 ROAD & UTILITY	11/29/2021	14,753.15	12/02/2021
Total 50-81000-800 CAPITAL OUTLAY:					15,691.04	
50-81000-844 NSWC CAPITAL PROJECTS						
378	NORTH SHORE WATER COMMI	12/21 IT IMPROV	IT IMPROVEMENTS	12/14/2021	5.55	12/17/2021
378	NORTH SHORE WATER COMMI	12/8/21 FILTER	FILTER UPGRADE	12/14/2021	194.67	12/17/2021
378	NORTH SHORE WATER COMMI	12/8/21 RESERVOI	RESERVOIR UPGRADE	12/14/2021	677.12	12/17/2021
378	NORTH SHORE WATER COMMI	12/8/21 VIDEO	VIDEO SURVEILLANCE	12/14/2021	62.03	12/17/2021
Total 50-81000-844 NSWC CAPITAL PROJECTS:					939.37	
50-81000-921 OFFICE SUPPLIES AND EXPENSE						
415	POSTMASTER	8/1-11/01/21	AUG-NOV WATER BILLS	12/01/2021	245.92	12/01/2021
2136	VERIZON WIRELESS	9894102065	787058169-00001	12/01/2021	37.50	12/17/2021
Total 50-81000-921 OFFICE SUPPLIES AND EXPENSE:					283.42	
50-81000-930 MISC GENERAL EXPENSE						
102164	WI DNR	BEASLEY2021	BEASLEY OPERATOR LICENSE	12/15/2021	25.00	12/17/2021

VILLAGE OF FOX POINT

Payment Approval Report - by GL - Board Report

Page: 12

Report dates: 12/01/2021-12/31/2021

Dec 30, 2021 11:12AM

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Amount Paid	Date Paid
Total 50-81000-930 MISC GENERAL EXPENSE:					25.00	
70-12100 TAXES RECEIVABLES						
73	STRUNK, CHARLES OR KRISTE	25806	OVERPAYMENT OF TAXES	12/28/2021	264.70	12/30/2021
97	EISENBERG, PHYLISS T	25546	OVERPAYMENT OF TAXES	12/21/2021	184.03	12/29/2021
108	ATTARI, REZIQ D OR	25328	OVERPAYMENT	12/20/2021	238.41	12/29/2021
156	CALLENDER, AARON & JANET	25753	OVERPAYMENT OF TAXES	12/23/2021	178.58	12/29/2021
203	HIRSCH, DAVID	25159	OVERPAYMENT OF TAXES	12/17/2021	234.41	12/29/2021
288	CRQUI, FREDERIC OR SHEILA	25261	OVERPAYMENT TAXES	12/20/2021	313.34	12/29/2021
350	TARNOFF, LAWRENCE R OR JIL	25163	OVERPAYMENT TAXES	12/16/2021	332.26	12/29/2021
397	VARGANOVA OR, TATYANA	25209	OVERPAYMENT TAXES	12/20/2021	249.91	12/29/2021
438	DOBRE, MIRCEA OR HALEY	25300	OVERPAYMENT TAXES	12/20/2021	397.40	12/29/2021
540	KLECZKOWSKI, NICHOLAS OR	25736	OVERPAYMENT	12/23/2021	256.75	12/29/2021
554	COLLIS, JAMES OR LINNEA	25199	OVERPAYMENT OF TAXES	12/20/2021	288.34	12/29/2021
749	HAMBROOK, GEORGE OR ANN	25979	OVER PAYMENT OF TAXES	12/28/2021	291.55	12/30/2021
772	MELCHERT, TIM	25345	OVERPAYMENT TAXES	12/20/2021	321.58	12/29/2021
798	WALBERG, AMY LYNN	25655	OVERPAYMENT	12/23/2021	305.91	12/29/2021
913	TOMASINI, DIANNE	25114	OVERPAYMENT	12/13/2021	434.24	12/17/2021
982	HOLMES, CHRIS	25703	OVERPAYMENT TAXES	12/23/2021	230.98	12/29/2021
1048	LANGHOFF, WILLIAM OR CYNT	25852	OVERPAYMENT TAXES	12/28/2021	268.13	12/30/2021
1050	GRASSL, DAVID OR REBECCA	25591	OVERPAYMENT TAXES	12/23/2021	215.38	12/29/2021
1053	ALBERTY, KAREN D	25932	OVERPAYMENT TAXES	12/28/2021	242.42	12/30/2021
1066	WERNER, ROBERT OR JULIE	25837	OVERPAYMENT TAXES	12/28/2021	292.41	12/30/2021
1078	BAZELON, MATTHEW OR MAUR	25888	OVERPAYMENT TAXES	12/28/2021	622.23	12/30/2021
1102	BOICO, ILAN OR NICOLE	26097	OVERPAYMENT TAXES	12/29/2021	265.34	12/30/2021
1103	SCHWEBEL, BRIAN	25139	OVERPAYMENT TAXES	12/16/2021	205.29	12/29/2021
1104	ROSENE, DAVID OR JULIE	25405	OVERPAYMENT TAXES	12/21/2021	434.83	12/29/2021
1113	MURPHY, MICHAEL OR SUE	25296	OVERPAYMENT TAXES	12/20/2021	296.40	12/29/2021
1116	HANUS, KEVIN OR MARIAN	26019	OVERPAYMENT TAXES	12/28/2021	281.55	12/30/2021
1126	GROVE, DAVID	26085	OVERPAYMENT TAXES	12/28/2021	194.31	12/30/2021
1136	WALTHERS VON ALTEN, GREG	25547	OVERPAYMENT TAXES	12/21/2021	308.03	12/30/2021
1141	OLIVA, PHILLIP OR HOPE	25319	OVERPAYMENT TAXES	12/20/2021	392.11	12/29/2021
1157	SORCE, SALVATORE J	25560	OVERPAYMENT OF TAXE	12/22/2021	254.13	12/29/2021
1518	FOXCROFT COMPANIES, LLP	25396	OVERPAYMENT OF TAXES	12/20/2021	7,857.49	12/29/2021
1719	KNAPP, JEROME	25670	OVERPAYMENT TAXES	12/23/2021	284.40	12/29/2021
1825	LUKESH, A JOYCE	25192	OVERPAYMENT TAXES	12/20/2021	210.58	12/29/2021
1826	ELLWEIN, JAMES D	25600	OVERPAYMENT TAXES	12/23/2021	397.99	12/30/2021
1828	GILSON, JOAN M	25134	OVERPAYMENT TAXES	12/15/2021	133.33	12/28/2021
1838	SANDERS, JOHN OR CATHERIN	25282	OVERPAYMENT TAXES	12/20/2021	407.54	12/29/2021
1843	BOSLER, MATTHEW OR LINDSA	25795	OVERPAYMENT TAXES	12/21/2021	14.19	12/29/2021
1846	TRAGER, MICHAEL OR TARA	26100	OVERPAYMENT TAXES	12/29/2021	272.39	12/30/2021
1851	LAROSA, PHILIP OR SALLY	25433	OVERPAYMENT TAXES	12/21/2021	384.97	12/29/2021
1911	WINDERS, KENDALL	25119	OVERPAYMENT TAXES	12/13/2021	345.06	12/17/2021
1912	POZANSKI, WILLIAM A	25116	OVERPAYMENT TAXES	12/13/2021	300.23	12/17/2021
1913	KENNEDY, GEOFFREY OR EVA	25113	OVERPAYMENT TAXES	12/13/2021	246.98	12/17/2021
1914	PIER, MICHAEL OR TINA	25120	OVERPAYMENT TAXES	12/13/2021	281.54	12/17/2021
1915	MUSKER, BRITNEY OR LUCA	25122	OVERPAYMENT TAXES	12/13/2021	457.79	12/17/2021
1922	MUZQUIZ, FELIPE	25208	OVERPAYMENT OF TAXES	12/20/2021	406.96	12/29/2021
1939	BAZELON, ADAM	25183	OVERPAYMENT TAXES	12/20/2021	667.48	12/29/2021
1943	KRAHN, JAMES W OR	25420	OVERPAYMENT OF TAXES	12/21/2021	321.81	12/29/2021
1975	VERBETEN, NICHOLAS G	25896	OVERPAYMENT TAXES	12/28/2021	291.56	12/30/2021
1986	BRICKNER, MICHAEL OR REBE	25598	OVERPAYMENT TAXES	12/23/2021	269.28	12/29/2021
2200	HORSFIELD, NICHOLAS M	25406	OVERPAYMENT TAXES	12/21/2021	486.44	12/29/2021
2208	RECH, ROSEANNE	25204	OVERPAYMENT TAXES	12/20/2021	160.43	12/29/2021
2220	FIVEYSKY, VLADMIR D AND IRI	25195	OVERPAYMENT OF TAXES	12/20/2021	250.25	12/29/2021
2254	HAGENHOFER, EVA M	25129	OVERPAYMENT OF TAXES	12/14/2021	199.25	12/17/2021
2270	CLASON, STEVEN AND ANNET	25438	OVERPAYMENT OF TAXES	12/21/2021	221.70	12/29/2021

VILLAGE OF FOX POINT

Payment Approval Report - by GL - Board Report

Page: 13

Report dates: 12/01/2021-12/31/2021

Dec 30, 2021 11:12AM

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Amount Paid	Date Paid
2274	SCHEUER, ADAM D AND JILL W	25731	OVERPAYMENT OF TAXES	12/23/2021	273.96	12/29/2021
2278	ARTLIP, KEVIN THOMAS AND	25214	OVERPAYMENT OF TAXES	12/20/2021	232.98	12/29/2021
2279	LEVINA, IRINA	25974	OVERPAYMENT OF TAXES	12/28/2021	241.71	12/30/2021
2289	KUEHN, KELLY J	25215	OVERPAYMENT OF TAXES	12/20/2021	242.74	12/29/2021
2423	CONLEY, JOHN OR LISA	25289	OVERPAYMENT TAXES	12/20/2021	318.02	12/29/2021
2425	GENTHE, SHEILA A	25140	OVERPAYMENT TAXES	12/16/2021	126.88	12/29/2021
2428	SCHENCK, JESSE OR KATHARI	25224	OVERPAYMENT TAXES	12/20/2021	597.16	12/29/2021
2625	MAJDALANI, JOHN P	25834	OVERPAYMENT TAXES	12/23/2021	259.04	12/29/2021
2639	DAMROW, JESSE J	25813	OVERPAYMENT TAXES	12/28/2021	361.36	12/30/2021
3245	WEINBERG, MATTHEW OR RAC	25184	OVERPAYMENT TAXES	12/20/2021	578.24	12/29/2021
4567	KAHN, LAWRENCE P AND ROB	25263	OVERPAYMENT OF TAXES	12/20/2021	323.75	12/29/2021
5536	NOLL JR., THEODORE A	25910	OVERPAYMENT TAXES	12/28/2021	344.18	12/30/2021
5540	SCHWARTZ, JILL M	25564	OVERPAYMENT OF TAXES	12/22/2021	32.07	12/29/2021
5559	TUTAJ, ADAM J AND	26087	OVERPAYMENT OF TAXES	12/28/2021	334.12	12/30/2021
102274	GREGOR, DOUGLAS A OR MELI	25947	OVERPAYMENT TAXES	12/28/2021	473.38	12/30/2021
102275	FISHBACH, JEFFREY M OR ERI	25757	OVERPAYMENT TAXES	12/23/2021	392.78	12/30/2021
102278	MCCAULEY, NICHOLAS	25146	OVERPAYMENT TAXES	12/16/2021	1,006.59	12/30/2021
102278	KERLIN, ANDREW OR GEETHA	25476	OVERPAYMENT TAXES	12/21/2021	275.81	12/30/2021
102279	LEVY, DESSIE R OR GARRY B	25443	OVERPAYMENT TAXES	12/21/2021	320.10	12/30/2021
102280	GOTTSACKER, JESSE	25416	OVERPAYMENT TAXES	12/21/2021	1,401.16	12/30/2021
102281	ZIMMER, MICHAEL T OR REBEC	25228	OVERPAYMENT TAXES	12/20/2021	228.97	12/30/2021
102282	MACHI, CATHERINE A	25207	OVERPAYMENT TAXES	12/20/2021	270.69	12/30/2021
102283	ARANDA, JEFFREY A ORDIANE	25240	OVERPAYMENT TAXES	12/20/2021	268.41	12/30/2021
102284	FILSINGER, NANCY	25359	OVERPAYMENT TAXES	12/20/2021	359.06	12/30/2021
102285	GEORGETTA-KRYSSTYN, CONNI	25297	OVERPAYMENT TAXES	12/20/2021	201.63	12/30/2021
102286	HINKLE, RYAN JOHN	25677	OVERPAYMENT TAXES	12/23/2021	94.93	12/30/2021
102287	HUNT, MARK W	25657	OVERPAYMENT TAXES	12/23/2021	279.92	12/30/2021
102288	MEIKSINS, ROBERT A OR	25581	OVERPAYMENT TAXES	12/23/2021	296.98	12/30/2021
102289	LEES, SEAN E OR JULIA E	25704	OVERPAYMENT TAXES	12/23/2021	246.07	12/30/2021
102290	LYNCH, ANNIE B OR	25563	OVERPAYMENT TAXES	12/22/2021	280.39	12/30/2021
102291	BRODY, MICHAEL JAMES	26066	OVERPAYMENT TAXES	12/28/2021	272.51	12/30/2021
102292	JOHNSON, VICKI L	26037	OVERPAYMENT TAXES	12/28/2021	234.13	12/30/2021
102293	HUBERTY, ERIC JOSEPH	25805	OVERPAYMENT TAXES	12/28/2021	296.59	12/30/2021
102294	SIMON, JEREMY E	25869	OVERPAYMENT TAXES	12/29/2021	432.61	12/30/2021
102295	BARRY, MAX OR CATHERINE	25878	OVERPAYMENT TAXES	12/20/2021	338.10	12/30/2021
102296	WILDNER, MICHAEL A	25937	OVERPAYMENT TAXES	12/28/2021	222.64	12/30/2021
102297	REINHART, MARY E	26025	OVERPAYMENT TAXES	12/28/2021	270.00	12/30/2021
102298	EMMERICH, DONNA M	26093	OVERPAYMENT TAXES	12/29/2021	164.35	12/30/2021
102299	VAN ESS, RYAN PAUL OR JOSE	26091	OVERPAYMENT TAXES	12/29/2021	478.77	12/30/2021
102300	U.S. BANK HOME MORTGAGE	26124	OVERPAYMENT TAXES	12/29/2021	201.56	12/30/2021

Total 70-12100 TAXES RECEIVABLES:

37,238.91

Grand Totals:

1,175,779.6

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Amount Paid	Date Paid
--------	-------------	----------------	-------------	--------------	-------------	-----------

Date Approved: _____

Village Manager: _____

Village Board: _____

STATE OF WISCONSIN

VILLAGE OF FOX POINT

MILWAUKEE COUNTY

RESOLUTION 2022-xx

**RESOLUTION OF APPRECIATION
PLAN COMMISSION MEMBER
CAROL WILKINS**

WHEREAS, Carol Wilkins was a member of Fox Point Plan Commission from 2012 through December 14, 2021;

WHEREAS, Carol Wilkins' sense of fairness, her integrity, and her keen understanding of land use planning were valued by all members of the Plan Commission, Village Staff, and Village Board;

WHEREAS, Carol Wilkins' service to the community has earned the gratitude and recognition of the Village of Fox Point;

WHEREAS, Carol Wilkins' devoted and diligent service to the Village of Fox Point will be missed by all she served;

NOW THEREFORE, BE IT RESOLVED that the Village Board of the Village of Fox Point extends its sincere thanks to **Carol Wilkins** for her service.

PASSED AND ADOPTED this 11th day of January, 2022.

Douglas H. Frazer
Village President

Kelly A. Meyer, *CMC/WCMC*
Village Clerk Treasurer



VILLAGE OF FOX POINT
 7200 N Santa Monica Blvd
 Fox Point, WI 53217
 (414) 247-6622
 www.villageoffoxpoint.com

Permit Number:B**OFFICE USE ONLY**

Issued Date

Zoning

BUILDING PERMIT

Job Address 7200 N SANTA MONICA BLVD.	Building Type: Residential <u>Commercial</u>
Description of Work	
ATTACH A NEW DISH WIRELESS TELECOMMUNICATIONS FACILITY, WITH ASSOCIATED	
CABLING AND ANCILLARY EQUIPMENT, TO EXISTING CELL TOWER, AS PER PLANS.	
Estimated Cost of Project \$ 30,000	

Owner/Occupant	
Contact Name JOE GOLDSHLACK	Business Name FULLERTON ENGINEERING o.b.o. DISH WIRELESS
Address 1100 E WOODFIELD RD, STE. 500	City/State/Zip SCHAUMBURG, IL 60173
Phone (517) 648-0023	Email JGOLDSHLACK@FULLERTONENGINEERING.COM

****Cautionary Statement required when homeowner is applying for permit****

Contractor	
Company Name TBD	Contact Name
Address	City/State/Zip
Phone	Email
Dwelling Contractor #	Dwelling Contractor Qualifier #

Square Footage Under Construction				
1 st Floor	2 nd Floor	Basement	Addition	Garage

Description	Rate	Amount
Project - Per \$1,000 of estimated cost	\$9.50	285.00
Building Board	\$75.00	
Footing early start - \$210.00 one and two family; \$280.00 commercial		
Plan Review - \$250.00 one and two family; New Construction \$300.00 plus \$27.00/unit commercial; New Construction		
State Seal	\$65.00	
Razing, Interior Demolition \$85.00 minimum plus	\$0.12/sqft	
Moving buildings over public ways \$230.00 plus	\$0.12/sqft	
Fuel tanks - Per 1,000 gallons	\$24.00	
Re-inspection	\$100.00	
Other		
Work started without permit Double Fee		
Minimum Fee	\$70.00	
Payable to: Village of Fox Point	Total Permit Fee	\$

Applicant Signature

Rev 09/20

JOE GOLDSHLACK FULLERTON ENGINEERING o.b.o. DISH WIRELESS
 JGOLDSHLACK@FULLERTONENGINEERING.COM
 (517) 648-0023

DateDec. 3, 2021**ISSUED PERMITS** are available on the Village website under **PERMITS & LICENSES**

December 3, 2021

Village of Fox Point
ATTN: Building Inspector
7200 N Santa Monica Blvd.
Fox Point, WI 53217

RE: Dish Wireless Cell Tower Co-location – 7200 N Santa Monica Blvd. – MWMKE00132A

To Whom It May Concern:

Please let the enclosed materials serve as Fullerton Engineering's application, on behalf of Dish Wireless, for a building permit to co-locate a new Dish Wireless telecommunications facility to the existing cell tower at 7200 N Santa Monica Blvd.

Please find enclosed:

- (1) Building Permit application
- (2) Sets of full construction drawings
- (2) Engineer letters verifying the tower's structural capacity

Please contact me with the required fees for this project when you are able. Otherwise, please let me know if you need any additional information or materials to complete your review.

Thank you very much for your assistance with this Dish Wireless co-location, I look forward to hearing from you.

Best Regards,



Joe Goldshlack
Zoning & Permitting Sr. Specialist



M:517-648-0023

O:847-908-8400®

www.fullertonengineering.com

June 9, 2021

Riken K. Patel
Associate General Counsel
Parallel Infrastructure

RE: 100' Monopole at Fox Point-Lombardy, WI (Dish Wireless LLC Site ID: MWMKE00132)

Dear Riken,

As shown in our Structural Design Report #132759, dated November 18, 2015, the above referenced tower was designed for a basic wind speed of 90 mph (nominal) with no ice and 40 mph with 3/4" ice, Structure Class II, Exposure Category D, Topographic Category 1, in accordance with ANSI/TIA-222-G, to support the equipment shown on page 1 of that report.

We have reviewed our calculations and have determined that the tower, upon the completion of a comprehensive structural analysis, should have sufficient strength and stability to support the equipment shown below, with the aforementioned design criteria:

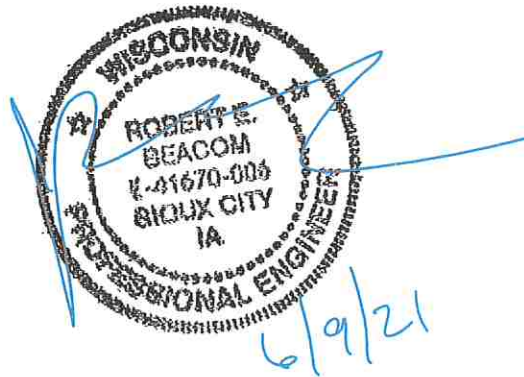
Dish Wireless LLC @ 87'

- (3) MX08FRO665-21 antennas
- (1) MC-PK8-DSH Low Profile Platform
- (3) TA08025-B605 units
- (3) TA08025-B604 units
- (1) RDIDC-9181-PF-48
- (1) 1.411" hybrid cable

If you have any questions, please contact the undersigned.

Sincerely,

Robert E. Beacom, P.E., S.E.
Engineering Supervisor





DISH WIRELESS, LLC. SITE ID:

MWMKE00132A

DISH WIRELESS, LLC. SITE ADDRESS:

**7200 N SANTA MONICA BLVD
FOX POINT, WI 53217**

WISCONSIN CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING	WISCONSIN CBC/2015 IBC W/ WI AMENDMENTS
MECHANICAL	WISCONSIN CBC/2015 IMC W/ WI AMENDMENTS
ELECTRICAL	WISCONSIN ELECTRICAL CODE/2017 NEC W/ WI AMENDMENTS

SHEET INDEX

SHEET NO.	SHEET TITLE
T-1	TITLE SHEET
A-1	OVERALL AND ENLARGED SITE PLAN
A-2	ELEVATION, ANTENNA LAYOUT AND SCHEDULE
A-3	EQUIPMENT PLATFORM AND H-FRAME DETAILS
A-4	EQUIPMENT DETAILS
A-5	EQUIPMENT DETAILS
A-6	EQUIPMENT DETAILS
E-1	ELECTRICAL/FIBER ROUTE PLAN AND NOTES
E-2	ELECTRICAL DETAILS
E-3	ELECTRICAL ONE-LINE, FAULT CALC, & PANEL SCHEDULE
G-1	GROUNDING PLANS AND NOTES
G-2	GROUNDING DETAILS
G-3	GROUNDING DETAILS
RF-1	RF CABLE COLOR CODE
GN-1	LEGEND AND ABBREVIATIONS
GN-2	GENERAL NOTES
GN-3	GENERAL NOTES
GN-4	GENERAL NOTES

SCOPE OF WORK

THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:

TOWER SCOPE OF WORK:

- INSTALL (1) PROPOSED ANTENNA PLATFORM
- INSTALL (3) PROPOSED PANEL ANTENNAS (1 PER SECTOR)
- INSTALL (6) PROPOSED RRU's (2 PER SECTOR)
- INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP)
- INSTALL (1) PROPOSED HYBRID CABLE (LENGTH: 120'-0")
- INSTALL PROPOSED JUMPERS

GROUND SCOPE OF WORK:

- INSTALL (1) PROPOSED METAL PLATFORM
- INSTALL (1) PROPOSED ICE BRIDGE
- INSTALL (1) PROPOSED PPC CABINET
- INSTALL (1) PROPOSED EQUIPMENT CABINET
- INSTALL (1) PROPOSED POWER CONDUIT
- INSTALL (1) PROPOSED TELCO CONDUIT
- INSTALL (1) PROPOSED TELCO-FIBER BOX
- INSTALL (1) PROPOSED GPS UNIT
- INSTALL (1) PROPOSED SAFETY SWITCH (IF REQUIRED)
- INSTALL (1) PROPOSED CIENA BOX (IF REQUIRED)
- INSTALL (1) METER INSIDE EXISTING METER BANK (BY POWER COMPANY)

SITE PHOTO



UNDERGROUND SERVICE ALERT - DIGGERS HOTLINE
UTILITY NOTIFICATION CENTER OF WISCONSIN
(800) 242-8511
WWW.DIGGERSHOTLINE.COM

CALL 3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION



GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

SITE INFORMATION

PROPERTY OWNER: TBD
ADDRESS: 7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

TOWER TYPE: MONOPOLE

TOWER CO SITE ID: PIW003

TOWER APP NUMBER: TBD

COUNTY: MILWAUKEE

LATITUDE (NAD 83): 43°08'45.2"N
43.145900

LONGITUDE (NAD 83): 87°54'05.4"W
-87.901500

ZONING JURISDICTION: FOX POINT

ZONING DISTRICT: TBD

PARCEL NUMBER: 1299983001

OCCUPANCY GROUP: U

CONSTRUCTION TYPE: II-B

POWER COMPANY: TBD

TELEPHONE COMPANY: TBD

PROJECT DIRECTORY

APPLICANT: DISH WIRELESS, LLC.
5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

TOWER OWNER: PARALLEL

SITE DESIGNER: FULLERTON ENGINEERING
1100 E WOODFIELD RD., STE 500
SCHAUMBURG, IL 60173
(847) 908-8400

SITE ACQUISITION: MEGHAN LANIGAN

CONSTRUCTION MANAGER: JOEL BOJARSKI

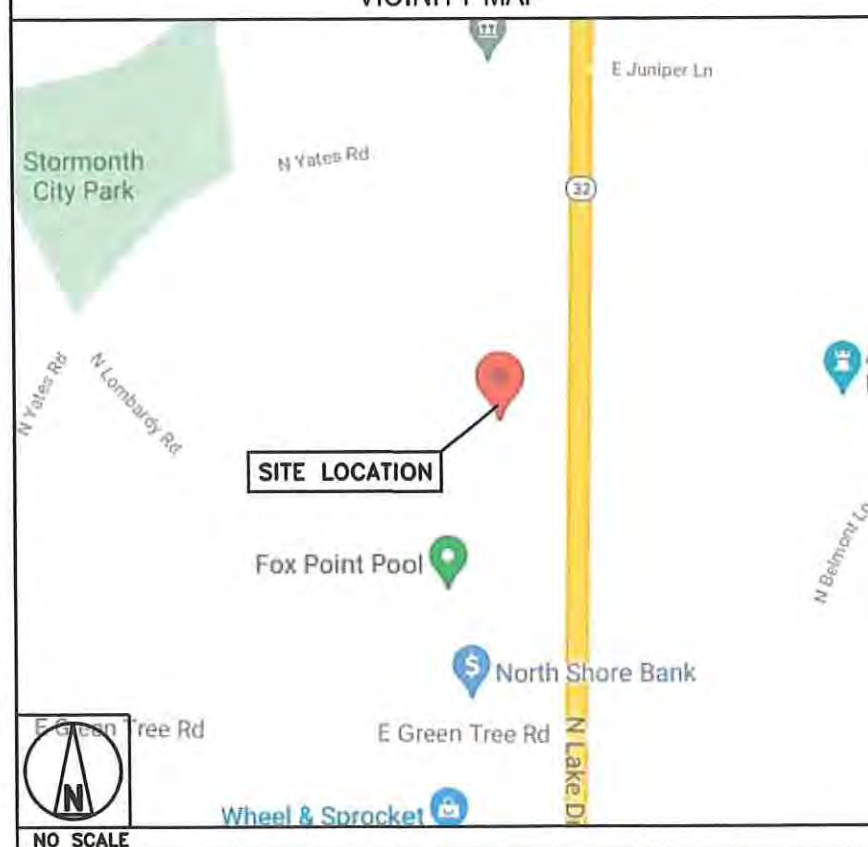
RF ENGINEER: INGA BRAUNEIS

DIRECTIONS

DIRECTIONS FROM GENERAL MITCHELL INTERNATIONAL AIRPORT:

HEAD EAST TOWARD ARRIVALS / BAGGAGE CLAIM, USE THE LEFT 2 LANES TO TURN SLIGHTLY LEFT ONTO ARRIVALS / BAGGAGE CLAIM, TAKE I-43 N TO GOOD HOPE RD IN GLENDALE, TAKE EXIT 80 FROM I-43 NM, KEEP LEFT TO CONTINUE ON WI-119 W, TAKE THE EXIT ONTO I-94 W TOWARD MILWAUKEE, KEEP LEFT TO CONTINUE ON I-43 N/I-94 W, USE THE LEFT 3 LANES TO CONTINUE ON I-43 N, KEEP LEFT TO STAY ON I-43 N, TAKE EXIT 80 FOR GOOD HOPE RD, TAKE N PORT WASHINGTON RD AND W GREEN TREE RD TO YOUR DESTINATION IN FOX POINT, TURN RIGHT ONTO GOOD HOPE RD, TURN RIGHT AT THE 1ST CROSS STREET ONTO N PORT WASHINGTON RD, TURN LEFT ONTO W GREEN TREE RD, TURN LEFT ONTO N SANTA MONICA BLVD, TURN RIGHT AT N LOMBARDY RD.

VICINITY MAP



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



1100 E WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

HK DZ DS

RFDS REV #: 1

PERMITTING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
C	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER

2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION

MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
TITLE SHEET

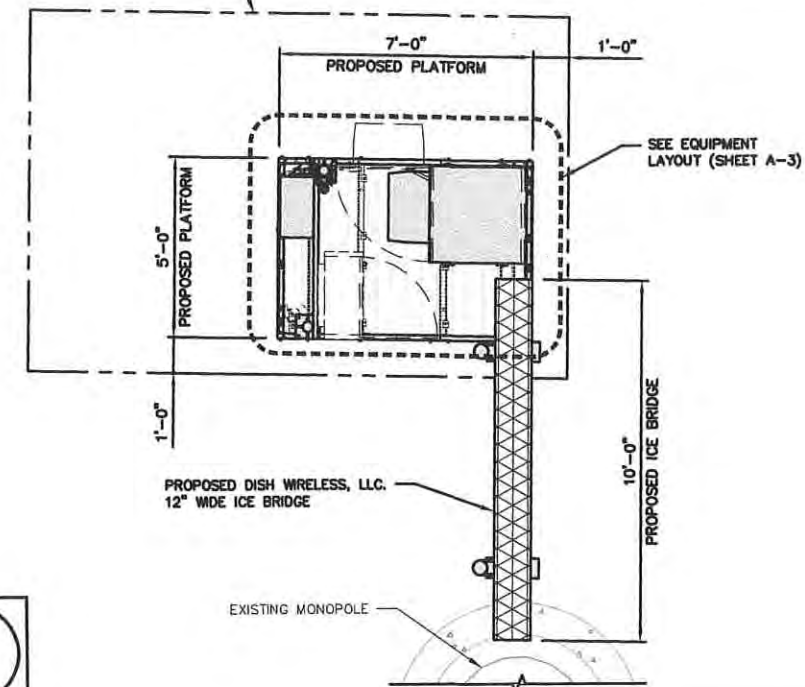
SHEET NUMBER

T-1

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
3. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.

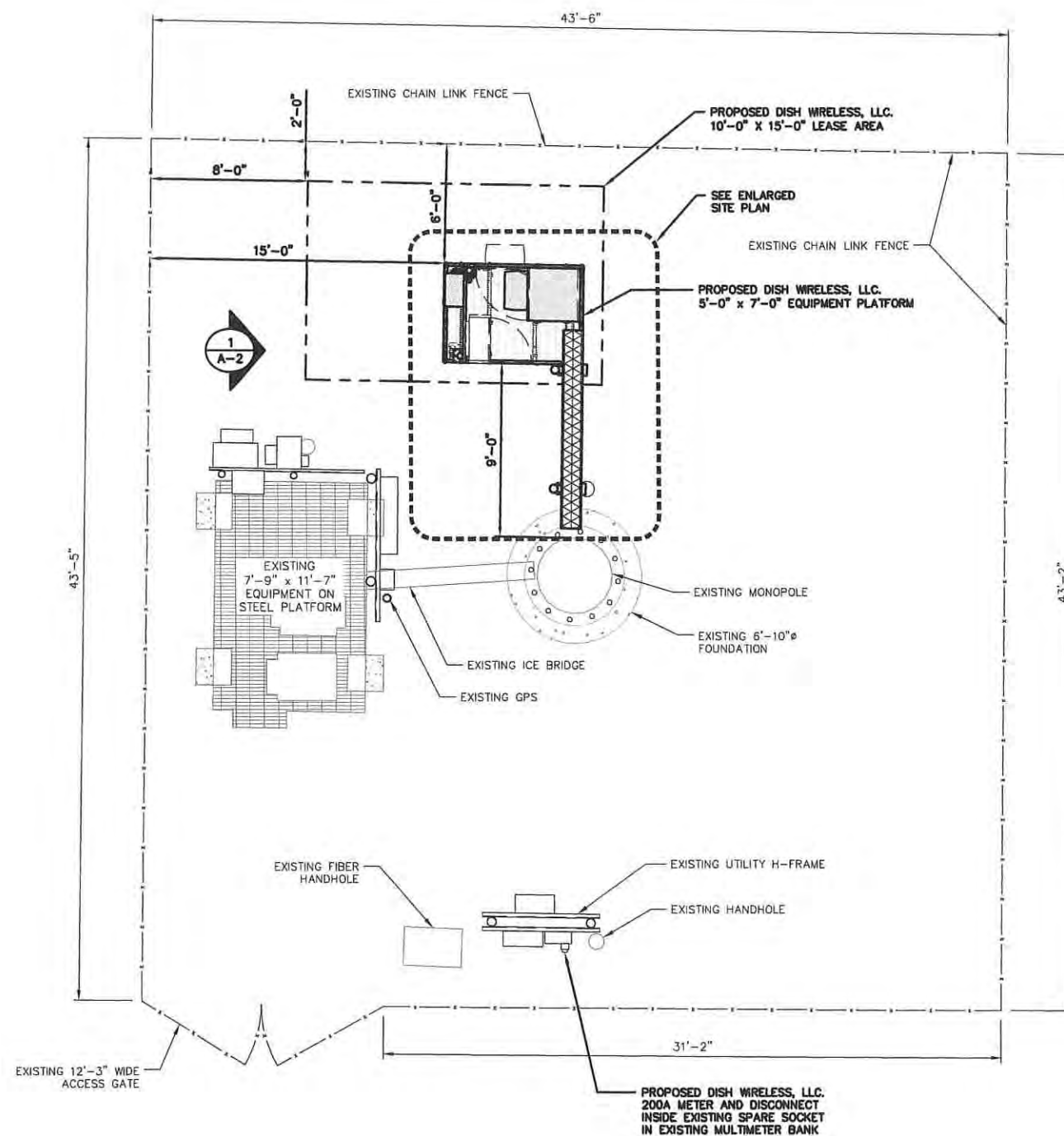
PROPOSED DISH WIRELESS, LLC.
10'-0" x 15'-0" LEASE AREA



ENLARGED SITE PLAN

2

12' 6" 0' 1' 2' 3' 4' 5' 6' 7'
3/8" = 1'-0"



OVERALL SITE PLAN

1

4' 2' 0' 4' 8'
1/4" = 1'-0"

NOT USED

NO SCALE

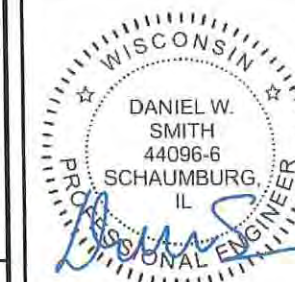
3

dish
wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

FULLERTON

1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

HK DZ DS

RFDS REV #: 1

PERMITTING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
D	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION

MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

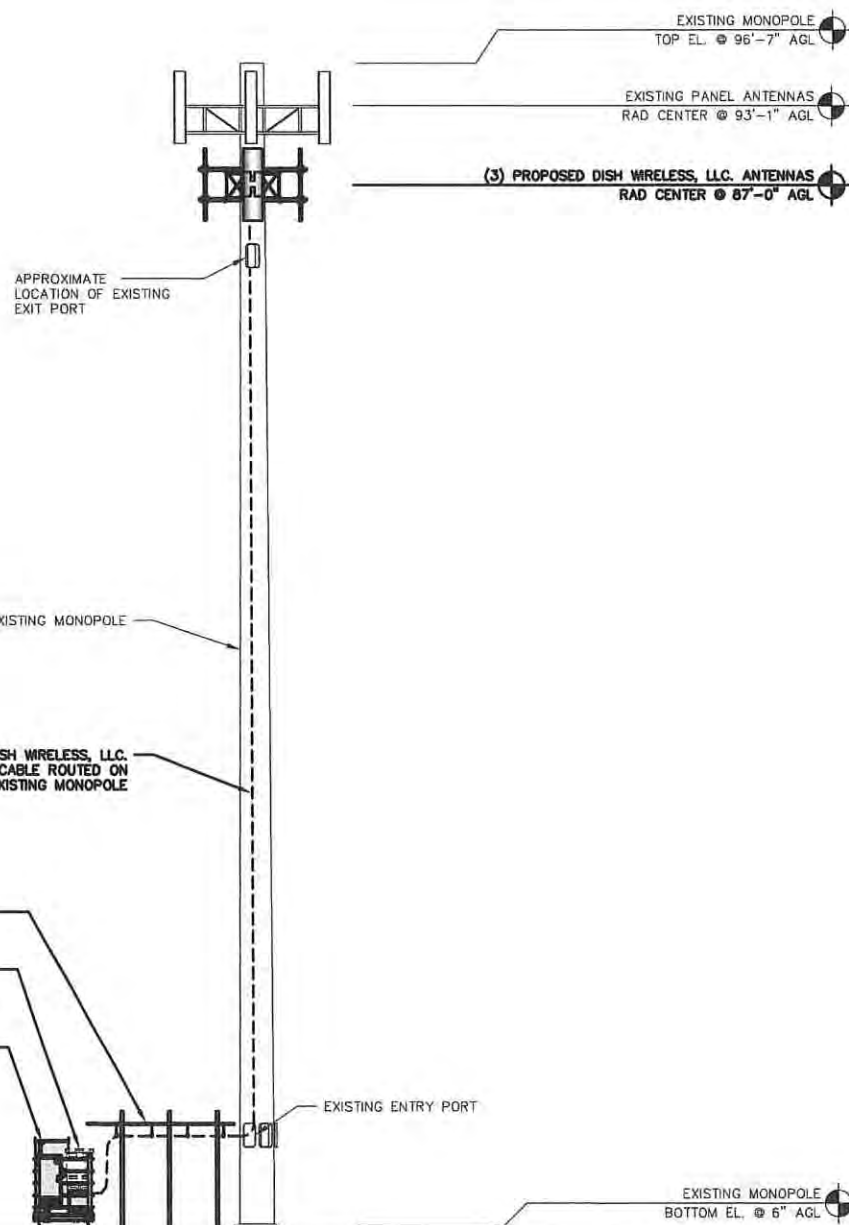
SHEET TITLE
OVERALL AND ENLARGED
SITE PLAN

SHEET NUMBER

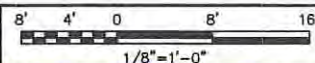
A-1

NOTES

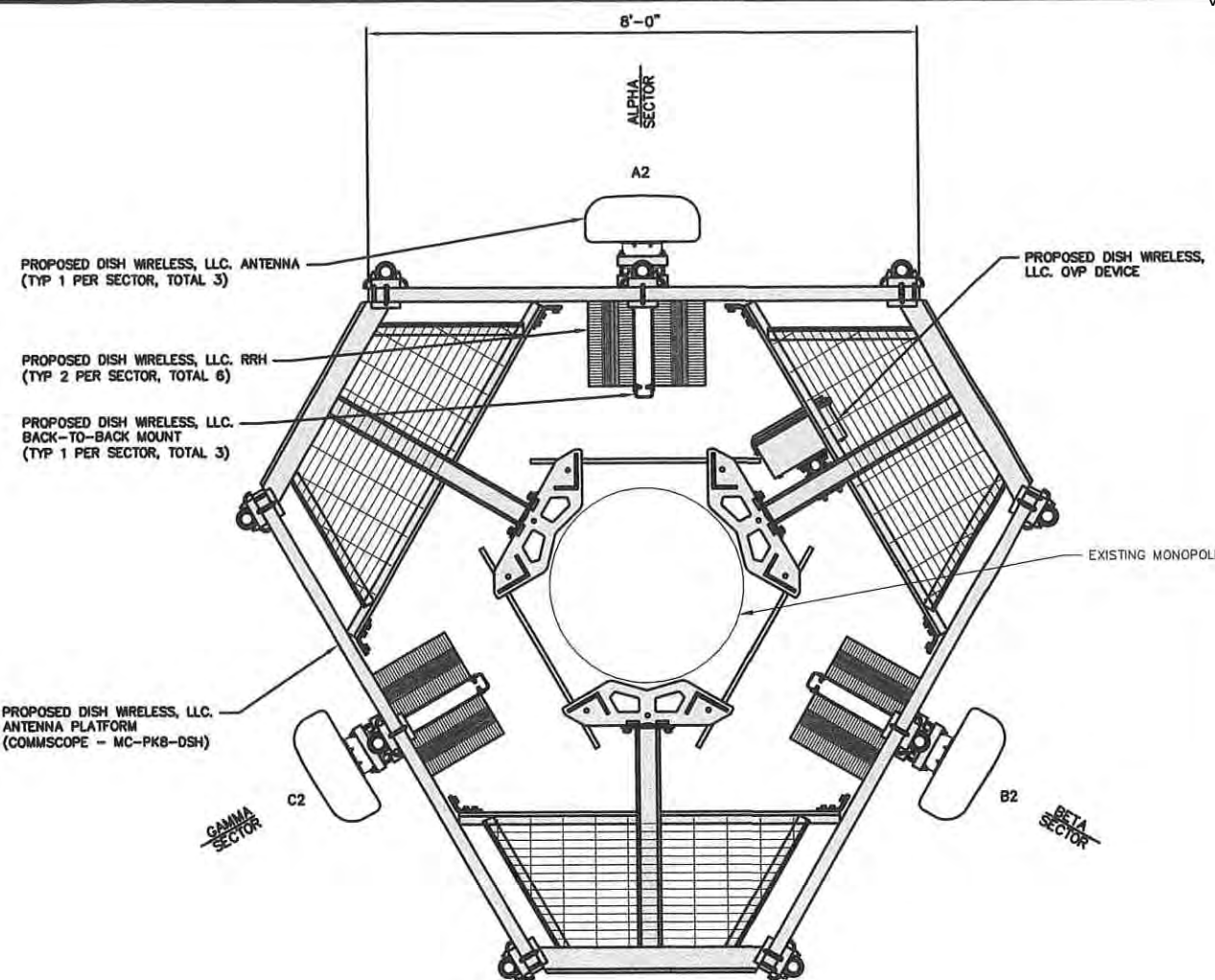
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNA AND MW DISH SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS
3. EXISTING EQUIPMENT AND FENCE OMITTED FOR CLARITY.



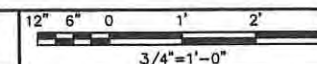
PROPOSED WEST ELEVATION



1



ANTENNA LAYOUT



2

SECTOR	POSITION	ANTENNA						TRANSMISSION CABLE
		EXISTING OR PROPOSED	MANUFACTURER – MODEL NUMBER	TECHNOLOGY	SIZE (HxW)	AZIMUTH	RAD CENTER	FEED LINE TYPE AND LENGTH
ALPHA	A2	PROPOSED	JMA – MX08FRO665–21	5G	72.0" x 20.0"	0°	87°–0"	(1) HIGH-CAPACITY HYBRID CABLE (120' LONG)
BETA	B2	PROPOSED	JMA – MX08FRO665–21	5G	72.0" x 20.0"	120°	87°–0"	
GAMMA	C2	PROPOSED	JMA – MX08FRO665–21	5G	72.0" x 20.0"	240°	87°–0"	
SECTOR	POSITION	RRH		NOTES				
		MANUFACTURER – MODEL NUMBER	TECHNOLOGY					
ALPHA	A2	FUJITSU – TA08025–B604	5G					
	A2	FUJITSU – TA08025–B605	5G					
BETA	B2	FUJITSU – TA08025–B604	5G					
	B2	FUJITSU – TA08025–B605	5G					
GAMMA	C2	FUJITSU – TA08025–B604	5G					
	C2	FUJITSU – TA08025–B605	5G					

1. CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.

2. ANTENNA AND RRH MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. ALL EQUIPMENT CHANGES MUST BE APPROVED AND REMAIN IN COMPLIANCE WITH THE PROPOSED DESIGN AND STRUCTURAL ANALYSES.

3. VERIFY AZIMUTHS WITH LATEST DISH RFDS PRIOR TO INSTALLATION.

ANTENNA SCHEDULE

NO SCALE

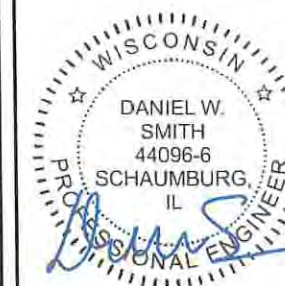
3

dish
wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

FULLERTON

1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: HK
CHECKED BY: DZ
APPROVED BY: DS

RFDS REV #: 1

PERMITTING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
0	11/24/2021	ISSUED FOR PERMITTING

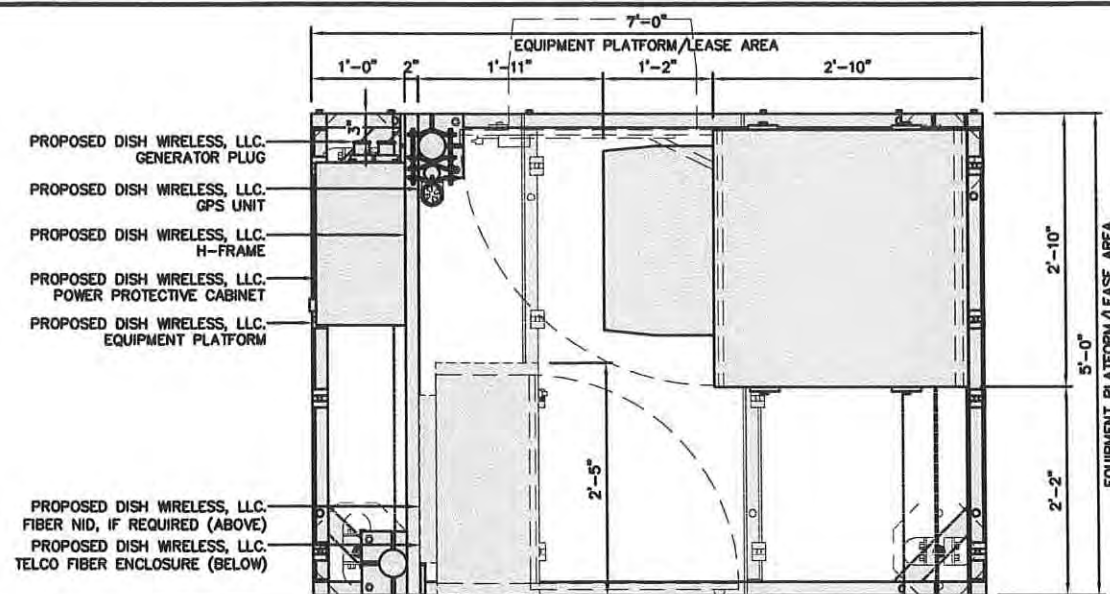
A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION
MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

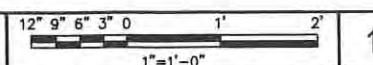
SHEET TITLE
ELEVATION, ANTENNA
LAYOUT AND SCHEDULE

SHEET NUMBER

A-2

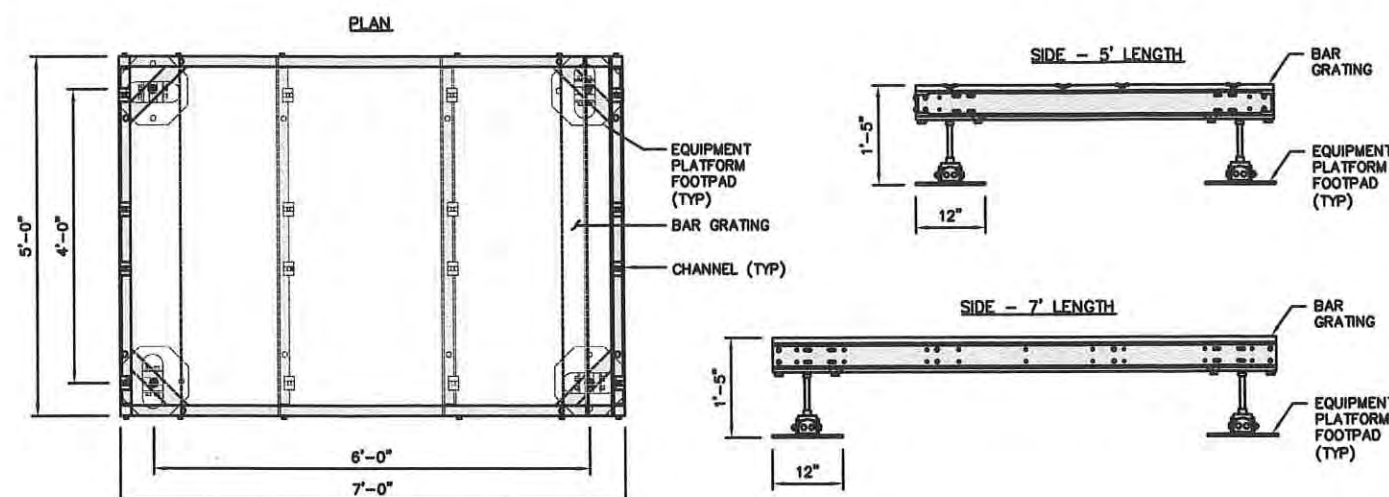


PLATFORM EQUIPMENT PLAN



COMMScope MTC4045LP
5X7 PLATFORM

DIMENSIONS (HxWxD)	16"x84"x60"
TOTAL WEIGHT	423 LBS

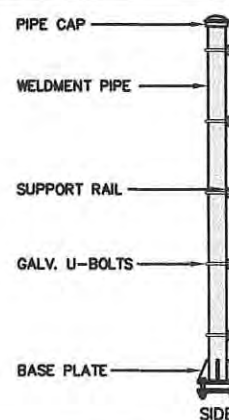


PLATFORM DETAIL

NO SCALE 2

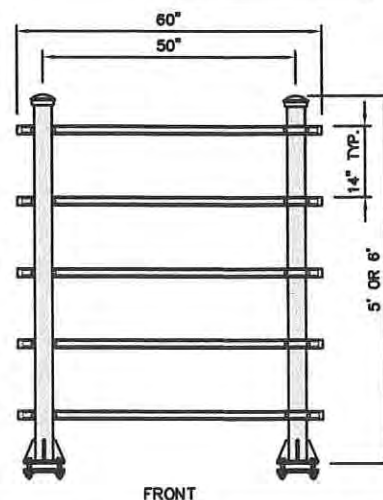
COMMScope MTC4045HFLD
H-FRAME

UNISTRUT/SUPPORT RAILS QTY	5
WEIGHT	59.74 lbs



H-FRAME DETAIL

NOTE:
OR DISH Wireless L.L.C.
APPROVED EQUIVALENT



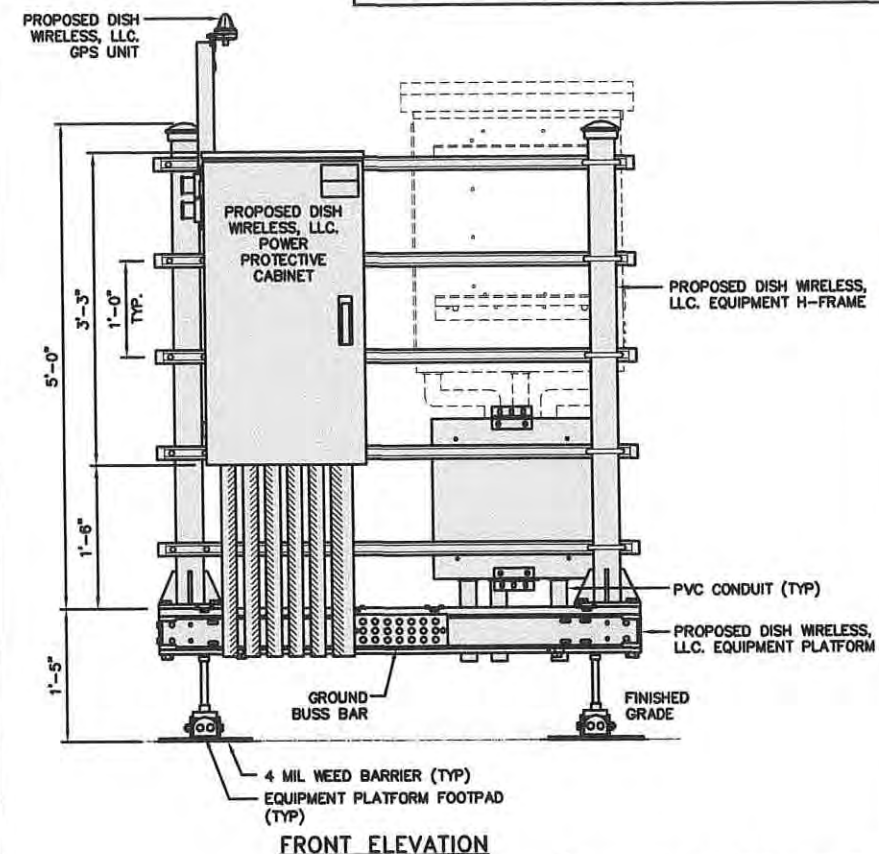
NO SCALE 3

NOT USED

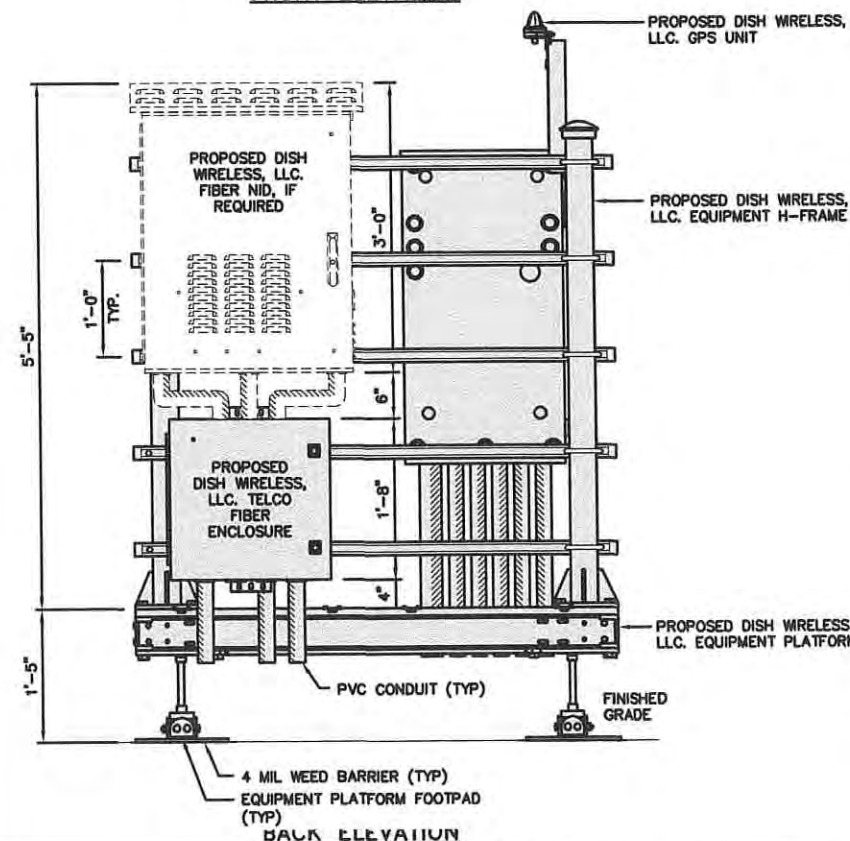
NO SCALE 4

NOTES

1. CONTRACTOR TO BURY PLATFORM FEET WITH A MINIMUM OF 2" OF FILL PER EXISTING SITE SURFACE.
2. WEED BARRIER FABRIC TO BE ADDED AT DISCRETION OF DISH WIRELESS, LLC. CONSTRUCTION MANAGER AT TIME OF CONSTRUCTION. ONE SHEET 8'x8' INSTALLED UNDER ALL FOUR FEET OF THE PLATFORM (4 MIL BLACK PLASTIC).
3. EQUIPMENT CABINET OMITTED FOR CLARITY.

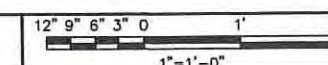


FRONT ELEVATION



BACK ELEVATION

H-FRAME EQUIPMENT ELEVATION



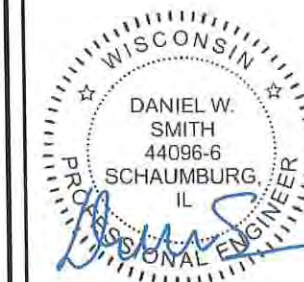
5

dish
wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

FULLERTON

1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: HK CHECKED BY: DZ APPROVED BY: DS

RFDS REV #: 1

PERMITTING
DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
0	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION

MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
EQUIPMENT PLATFORM AND
H-FRAME DETAILS

SHEET NUMBER

A-3

CHARLES INDUSTRY HEX
CUBE-PM639155N4

DIMENSIONS (HxWxD):	74"x32"x32"
POWER PLANT:	-48VDC ABB/600W
TOTAL WEIGHT	1067.14 LBS

PLAN

SIDE

BACK

SIDE

FRONT

CABINET DETAIL NO SCALE 1

RAYCAP PPC
RDIAC-2465-P-240-MTS

ENCLOSURE DIMENSIONS (HxWxD):	39"x22.855"x12.593
WEIGHT:	80 lbs
OPERATING AC VOLTAGE	240/120 1 PHASE 3W+G

TOP

BACK

SIDE

FRONT

SIDE

POWER PROTECTION CABINET (PPC) DETAIL NO SCALE 2

SQUARE D SAFETY SWITCHES
D224NRB

ENCLOSURE DIM (HxWxD)	29.25"x19.00"x8.50"
ENCLOSURE TYPE	NEMA 3R RAINPROOF
UL LISTED	FILE E-2875

SIDE

TOP

FRONT

SAFETY SWITCH DETAIL (IF REQUIRED) NO SCALE 3

COMMSCOPE WB-K110-B
WAVEGUIDE BRIDGE KIT

DIMENSIONS (HxL)	160"x10"
WEIGHT/ VOLUME	325.0 LBS
CABLE RUN (QTY)	12

PLAN

FRONT

SIDE

NOT USED NO SCALE 4

CHARLES CFIT-PF2020DSH1
FIBER TELCO ENCLOSURE

ENCLOSURE DIMS (HxWxD)	20"x20"x9"
ENCLOSURE WEIGHT	20 lbs
MOUNTING	WALL
COMPLIANCE	TYPE 4

FRONT

SIDE

BACK

FRONT

NOT USED NO SCALE 5

INCLUDED PRODUCTS:

WB-T12-3 TRAPEZE KIT, 3 RUNGS

WB-LB12-3 SUPPORT BRACKET

MF-130 DIRECT BURIAL PIPE COLUMN, 13'-4"

PLAN

FRONT

SIDE

ICE BRIDGE DETAIL NO SCALE 7

FINISH SLOPE TO DRAIN

A-A

A-A

PROPOSED 3.5" DIA. SCH 40 PIPE GALVANIZED

PROPOSED 1'-6" DIA. CONCRETE PIER (TYP)

CONCRETE PIER

3" DIA SCH 40 PIPE

18" DIA DRILLED PIER FOUNDATION

A-A SECTION

TYPICAL ICE BRIDGE CONCRETE PIER DETAIL NO SCALE 8

PROPOSED ICE BRIDGE

PROPOSED HYBRID CABLE

PROPOSED CABLE CLAMP @ 3'-0" O.C.

EXISTING ENTRY PORT

EXISTING MONOPOLE

FIBER TELCO ENCLOSURE DETAIL NO SCALE 9

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com

DANIEL W. SMITH
44096-6
SCHAUMBURG, IL
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: HK CHECKED BY: DZ APPROVED BY: DS

RFDS REV #: 1

PERMITTING DOCUMENTS

REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
0	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION

MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER
A-4

ROSENBERGER GPSGLONASS-36-N-S <table><tr><td>DIMENSION (DIA x H)</td><td>69mm x 98.5mm</td></tr><tr><td>WEIGHT (WITH ACCESSORIES)</td><td>515.74g</td></tr><tr><td>CONNECTOR</td><td>N-FEMALE</td></tr><tr><td>FREQUENCY RANGE</td><td>1559 MHz ~ 1610.5MHz</td></tr></table> GPS UNIT GROUNDING KIT MOUNTING BRACKET GPS UNIT GROUNDING KIT MOUNTING BRACKET			DIMENSION (DIA x H)	69mm x 98.5mm	WEIGHT (WITH ACCESSORIES)	515.74g	CONNECTOR	N-FEMALE	FREQUENCY RANGE	1559 MHz ~ 1610.5MHz	TOP GPS UNIT GROUNDING KIT MOUNTING BRACKET GPS UNIT GROUNDING KIT MOUNTING BRACKET GPS UNIT GROUNDING KIT MOUNTING BRACKET			MINIMUM OF 75% OR 270° IN ANY DIRECTION GPS UNIT OBSTRUCTIONS MUST BE BELOW 10'			1.75"ø 27" MIN BEND RADIUS CU12PSM6P4XXX (4 AWG CONDUCTORS) 1.60"ø 24" MIN BEND RADIUS CU12PSM9P6XXX (6 AWG CONDUCTORS) 1.41"ø 22" MIN BEND RADIUS CU12PSM9P8XXX (8 AWG CONDUCTORS)		
DIMENSION (DIA x H)	69mm x 98.5mm																		
WEIGHT (WITH ACCESSORIES)	515.74g																		
CONNECTOR	N-FEMALE																		
FREQUENCY RANGE	1559 MHz ~ 1610.5MHz																		
GPS ANTENNA DETAIL			NO SCALE	1	GPS MINIMUM SKY VIEW REQUIREMENTS			NO SCALE	2	CABLES UNLIMITED HYBRID CABLE MINIMUM BEND RADIUSES			NO SCALE	3					
NOT USED			NO SCALE	4	NOT USED			NO SCALE	5	NOT USED			NO SCALE	6					
NOT USED			NO SCALE	7	NOT USED			NO SCALE	8	NOT USED			NO SCALE	9					

</



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

DRAWN BY:	CHECKED BY:	APPROVED BY:
HK	DZ	DS

RFDS REV #: 1

PERMITTING
DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
O	11/24/2021	ISSUED FOR PERMITTING

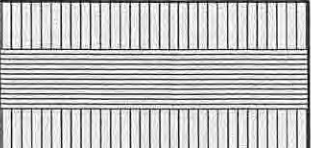
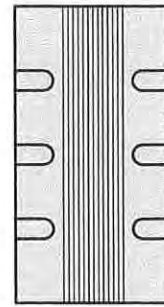
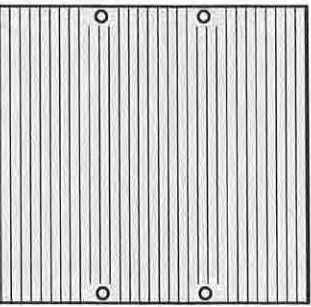
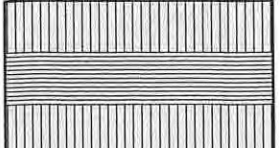
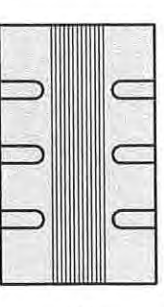
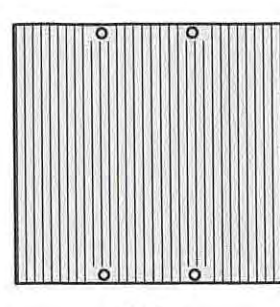
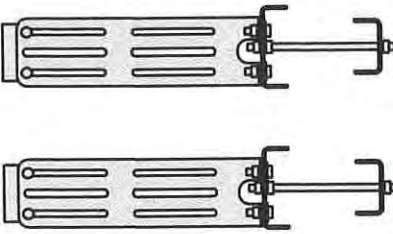
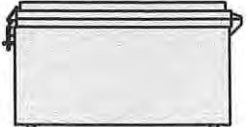
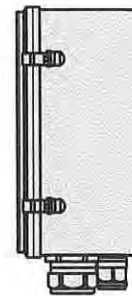
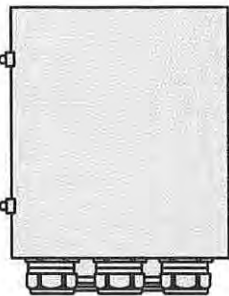
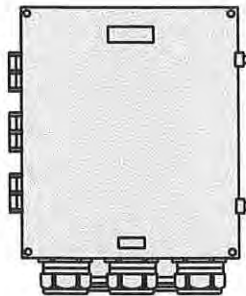
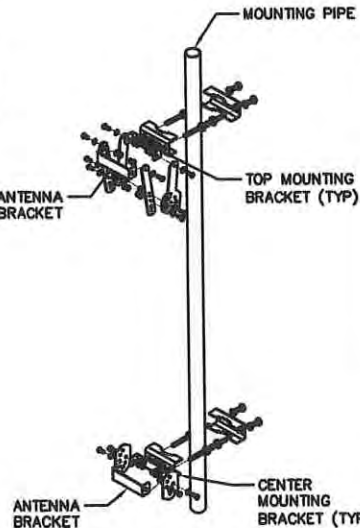
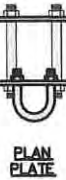
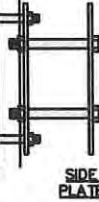
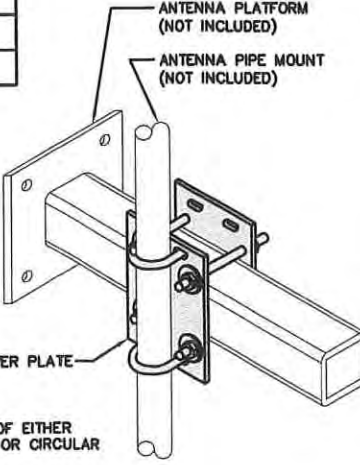
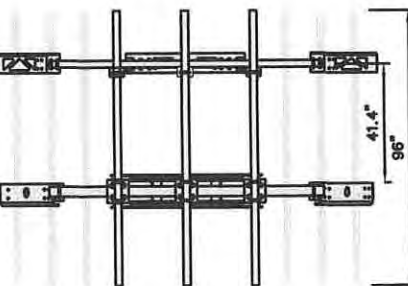
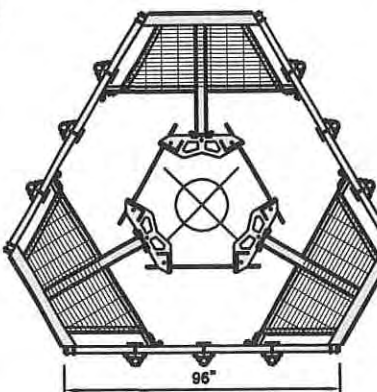
A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION

MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER
A-5

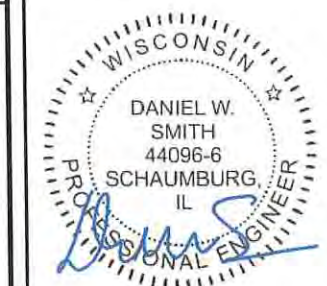
FUJITSU TA08025-B604 RRH <table border="1"> <tr> <td>DIMENSIONS (HxWxD) (KG/IN)</td> <td>380x400x200/14.9"x15.7"x7.8"</td> </tr> <tr> <td>WEIGHT(KG,LB)/ VOLUME</td> <td>29kg,63.9lb/ 30L</td> </tr> <tr> <td>POWER SUPPLY</td> <td>DC-58V-36V</td> </tr> </table>  PLAN  SIDE  FRONT	DIMENSIONS (HxWxD) (KG/IN)	380x400x200/14.9"x15.7"x7.8"	WEIGHT(KG,LB)/ VOLUME	29kg,63.9lb/ 30L	POWER SUPPLY	DC-58V-36V	FUJITSU TA08025-B605 RRH <table border="1"> <tr> <td>DIMENSIONS (HxWxD) (KG/IN)</td> <td>380x400x230/14.9"x15.7"x9.0"</td> </tr> <tr> <td>WEIGHT(KG,LB)/ VOLUME</td> <td>34kg,74.9lb/ 35L</td> </tr> <tr> <td>POWER SUPPLY</td> <td>DC-58V-36V</td> </tr> </table>  PLAN  SIDE  FRONT	DIMENSIONS (HxWxD) (KG/IN)	380x400x230/14.9"x15.7"x9.0"	WEIGHT(KG,LB)/ VOLUME	34kg,74.9lb/ 35L	POWER SUPPLY	DC-58V-36V	COMMSCOPE RR-FA2 LARGE STABILIZER <table border="1"> <tr> <td>DIMENSIONS (HxWxD)</td> <td>16.4"x8.5"x18"</td> </tr> <tr> <td>WEIGHT</td> <td>39.2 lbs</td> </tr> </table>  PLAN  SIDE DESIGN NOTES: MOUNT WILL FIT LEGS UP TO: - 5.6" ROUND - 6.0" 60° ANGLE - 4.5" 90° ANGLE NOTE: OR DISH Wireless L.L.C. APPROVED EQUIVALENT	DIMENSIONS (HxWxD)	16.4"x8.5"x18"	WEIGHT	39.2 lbs
DIMENSIONS (HxWxD) (KG/IN)	380x400x200/14.9"x15.7"x7.8"																	
WEIGHT(KG,LB)/ VOLUME	29kg,63.9lb/ 30L																	
POWER SUPPLY	DC-58V-36V																	
DIMENSIONS (HxWxD) (KG/IN)	380x400x230/14.9"x15.7"x9.0"																	
WEIGHT(KG,LB)/ VOLUME	34kg,74.9lb/ 35L																	
POWER SUPPLY	DC-58V-36V																	
DIMENSIONS (HxWxD)	16.4"x8.5"x18"																	
WEIGHT	39.2 lbs																	
REMOTE RADIO HEAD DETAIL NO SCALE 1	REMOTE RADIO HEAD DETAIL NO SCALE 2	RRH MOUNT DETAIL NO SCALE 3																
RAYCAP RDIDC-9181-PF-48 DC SURGE PROTECTION (OVP) <table border="1"> <tr> <td>DIMENSIONS (HxWxD)</td> <td>18.98"x14.39"x8.15"</td> </tr> <tr> <td>WEIGHT</td> <td>21.82 LBS</td> </tr> </table>  PLAN  SIDE  BACK  FRONT	DIMENSIONS (HxWxD)	18.98"x14.39"x8.15"	WEIGHT	21.82 LBS	JMA WIRELESS MX08FR0665-21 ANTENNA <table border="1"> <tr> <td>DIMENSIONS (HxWxD)</td> <td>72.0"x20.0"x8.0"</td> </tr> <tr> <td>TOTAL WEIGHT</td> <td>64.5 LB</td> </tr> <tr> <td>RF PORTS, CONNECTOR TYPE</td> <td>8 x 4.3-10 FEMALE</td> </tr> </table>  PLAN  BACK  SIDE  FRONT	DIMENSIONS (HxWxD)	72.0"x20.0"x8.0"	TOTAL WEIGHT	64.5 LB	RF PORTS, CONNECTOR TYPE	8 x 4.3-10 FEMALE	JMA ANTENNA MOUNTING BRACKET #91900318 <table border="1"> <tr> <td>TOTAL WEIGHT (WITH BRACKETS)</td> <td>18 lbs (8.18 Kg)</td> </tr> <tr> <td>POLE DIAMETER RANGE</td> <td>2.5 TO 4.5 INCHES</td> </tr> </table> NOTE: KIT #91900318: TOP AND BOTTOM BRACKETS FOR 4-, 6-, AND 8-FOOT ANTENNAS ANTENNA BRACKET NOT PART OF KIT 	TOTAL WEIGHT (WITH BRACKETS)	18 lbs (8.18 Kg)	POLE DIAMETER RANGE	2.5 TO 4.5 INCHES		
DIMENSIONS (HxWxD)	18.98"x14.39"x8.15"																	
WEIGHT	21.82 LBS																	
DIMENSIONS (HxWxD)	72.0"x20.0"x8.0"																	
TOTAL WEIGHT	64.5 LB																	
RF PORTS, CONNECTOR TYPE	8 x 4.3-10 FEMALE																	
TOTAL WEIGHT (WITH BRACKETS)	18 lbs (8.18 Kg)																	
POLE DIAMETER RANGE	2.5 TO 4.5 INCHES																	
SURGE SUPPRESSION DETAIL (OVP) NO SCALE 4	ANTENNA DETAIL NO SCALE 5	ANTENNA BRACKET DETAIL NO SCALE 6																
NOT USED NO SCALE 7	COMMSCOPE XP-2040 CROSSOVER PLATE <table border="1"> <tr> <td>DIMENSIONS (HxW)</td> <td>10"x12"</td> </tr> <tr> <td>WEIGHT</td> <td>11.023 LBS</td> </tr> </table>  PLAN PLATE  SIDE PLATE  PLAN U-BOLT  SIDE U-BOLT  ANTENNA PLATFORM (NOT INCLUDED) ANTENNA PIPE MOUNT (NOT INCLUDED) CROSSOVER PLATE OPTION OF EITHER SQUARE OR CIRCULAR U-BOLT	DIMENSIONS (HxW)	10"x12"	WEIGHT	11.023 LBS	COMMSCOPE MC-PK8-DSH <table border="1"> <tr> <td>FACE WIDTH</td> <td>96"</td> </tr> <tr> <td>WEIGHT</td> <td>1373.08 lbs</td> </tr> </table> NOTE: 15" TO 38" O.D.   NOTE: OR DISH Wireless L.L.C. APPROVED EQUIVALENT	FACE WIDTH	96"	WEIGHT	1373.08 lbs								
DIMENSIONS (HxW)	10"x12"																	
WEIGHT	11.023 LBS																	
FACE WIDTH	96"																	
WEIGHT	1373.08 lbs																	
NOT USED NO SCALE 7	RRH/OVP MOUNT DETAIL NO SCALE 8	ANTENNA PLATFORM DETAIL NO SCALE 9																



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

HK DZ DS

RFDS REV #: 1

PERMITTING DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
O	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION

MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER

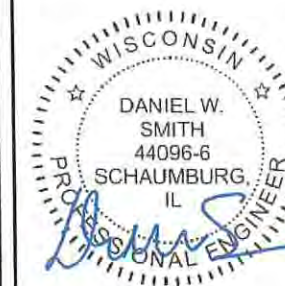
A-6



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: HK CHECKED BY: DZ APPROVED BY: DS

RFDS REV #: 1

PERMITTING DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
O	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION

MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
ELECTRICAL/FIBER ROUTE
PLAN AND NOTES

SHEET NUMBER

E-1

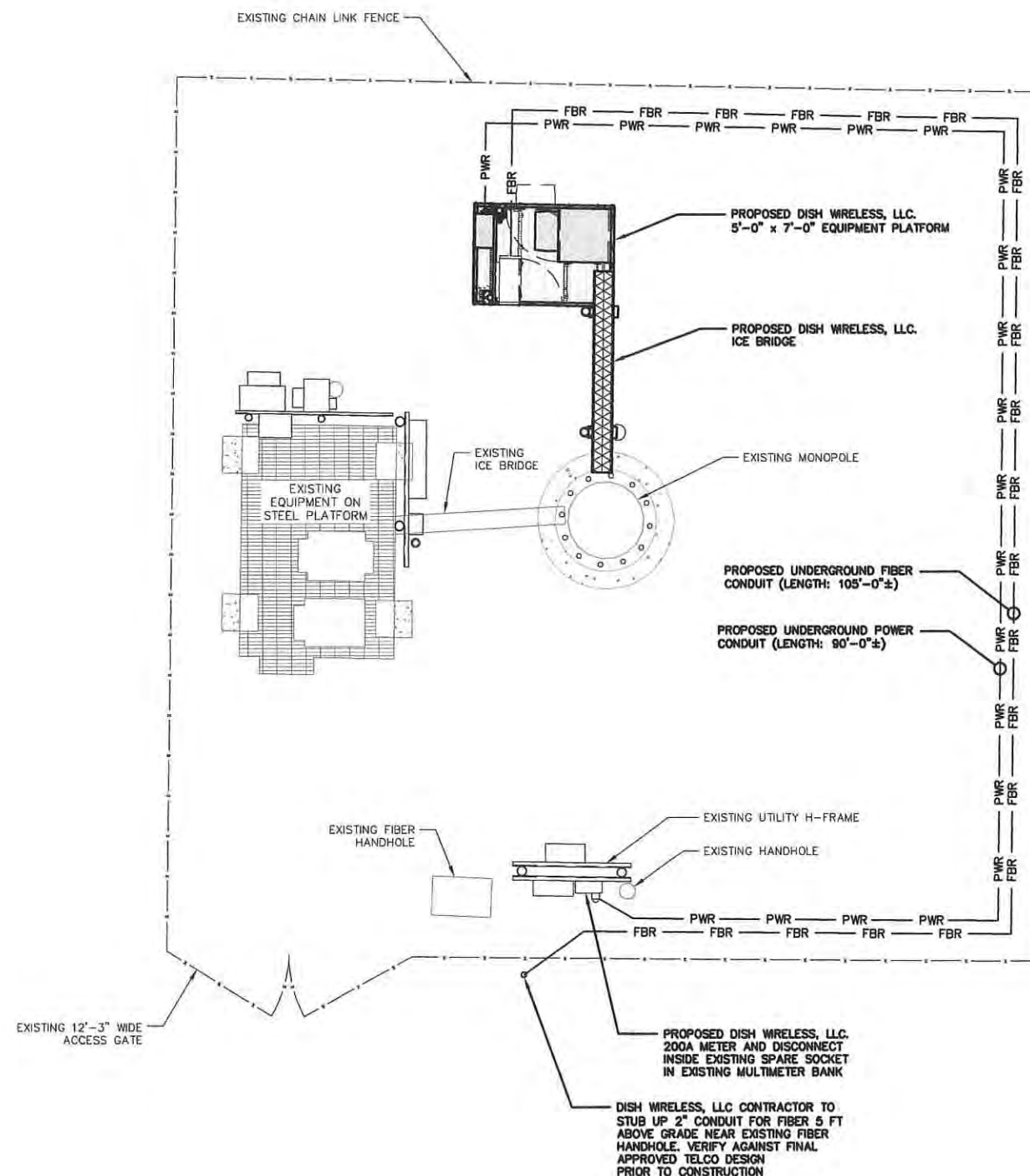
DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V AND -48V CONDUCTORS. RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHALL IDENTIFY -48V.

1. CONTRACTOR SHALL INSPECT THE EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.
2. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT NATIONAL ELECTRICAL CODES AND ALL STATE AND LOCAL CODES, LAWS, AND ORDINANCES. PROVIDE ALL COMPONENTS AND WIRING SIZES AS REQUIRED TO MEET NEC STANDARDS.
3. LOCATION OF EQUIPMENT, CONDUIT AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE COORDINATED WITH FIELD CONDITIONS PRIOR TO CONSTRUCTION.
4. CONDUIT ROUGH-IN SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT TO AVOID LOCATION CONFLICTS. VERIFY WITH THE MECHANICAL EQUIPMENT CONTRACTOR AND COMPLY AS REQUIRED.
5. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CIRCUITS AS REQUIRED FOR A COMPLETE SYSTEM.
6. CONTRACTOR SHALL PROVIDE PULL BOXES AND JUNCTION BOXES AS REQUIRED BY THE NEC ARTICLE 314.
7. CONTRACTOR SHALL PROVIDE ALL STRAIN RELIEF AND CABLE SUPPORTS FOR ALL CABLE ASSEMBLIES. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
8. ALL DISCONNECTS AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED PHENOLIC NAMEPLATES INDICATING EQUIPMENT CONTROLLED, BRANCH CIRCUITS INSTALLED ON, AND PANEL FIELD LOCATIONS FED FROM.
9. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS PER THE SPECIFICATIONS AND NEC 250. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULL BOXES, AND ALL DISCONNECT SWITCHES, AND EQUIPMENT CABINETS.
10. ALL NEW MATERIAL SHALL HAVE A U.L. LABEL.
11. PANEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLECT POST-CONSTRUCTION EQUIPMENT.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PANEL SCHEDULE AND SITE DRAWINGS.

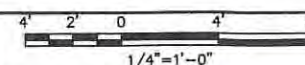
ELECTRICAL NOTES

NO SCALE

2



UTILITY ROUTE PLAN



1

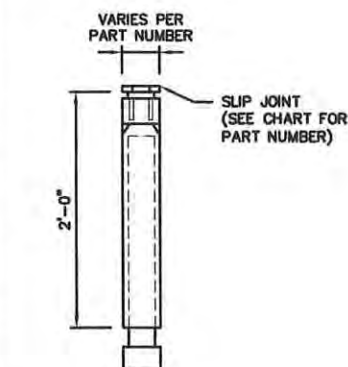
NOT USED

NO SCALE

3

CARLON EXPANSION FITTINGS

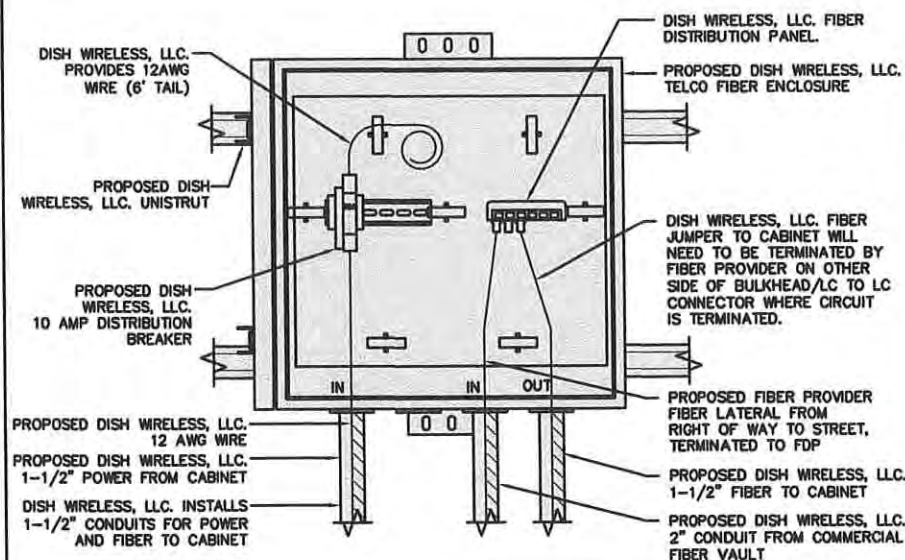
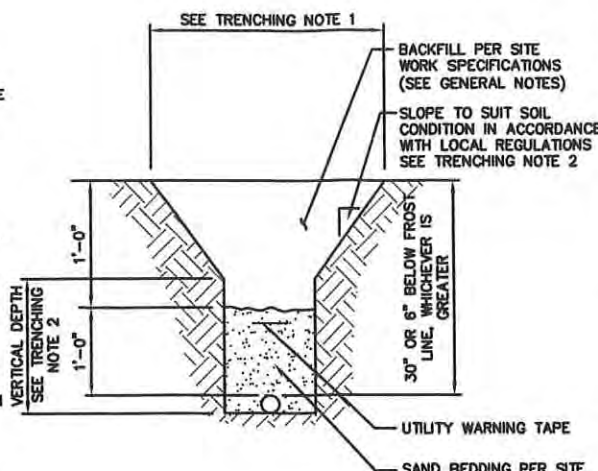
COUPLING END PART#	MALE TERMINAL ADAPTER END PART#	SIZE	STD CTN QTY.	TRAVEL LENGTH
E945D	E945DX	1/2"	20	4"
E945E	E945EX	3/4"	15	4"
E945F	E945FX	1"	10	4"
E945G	E945GX	1 1/4"	5	4"
E945H	E945HX	1 1/2"	5	4"
E945J	E945JX	2"	15	8"
E945K	E945KX	2 1/2"	10	8"
E945L	E945LX	3"	10	8"
E945M	E945MX	3 1/2"	5	8"
E945N	E945NX	4"	5	8"
E945P	E945PX	5"	1	8"
E945R	E945RX	6"	1	8"



NOTE: CONTRACTOR TO INSTALL EXPANSION FITTING SLIP JOINT AT METER CENTER CONDUIT TERMINATION, AS PER LOCAL UTILITY POLICY, ORDINANCE AND/OR SPECIFIED REQUIREMENT.

TRENCHING NOTES

1. CONTRACTOR SHALL RESTORE THE TRENCH TO ITS ORIGINAL CONDITIONS BY EITHER SEEDING OR SODDING GRASS AREAS, OR REPLACING ASPHALT OR CONCRETE AREAS TO ITS ORIGINAL CROSS SECTION.
2. TRENCHING SAFETY; INCLUDING, BUT NOT LIMITED TO SOIL CLASSIFICATION, SLOPING, AND SHORING, SHALL BE GOVERNED BY THE CURRENT OSHA TRENCHING AND EXCAVATION SAFETY STANDARDS.
3. ALL CONDUITS SHALL BE INSTALLED IN COMPLIANCE WITH THE CURRENT NATIONAL ELECTRIC CODE (NEC) OR AS REQUIRED BY THE LOCAL JURISDICTION, WHICHEVER IS THE MOST STRINGENT.

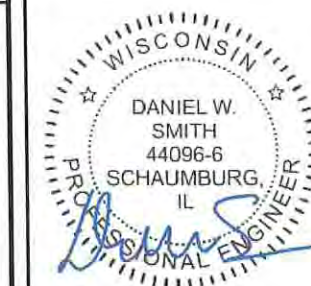


dish
wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

FULLERTON

1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

HK DZ DS

RFDS REV #: 1

PERMITTING DOCUMENTS

REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
0	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION

MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
ELECTRICAL
DETAILS

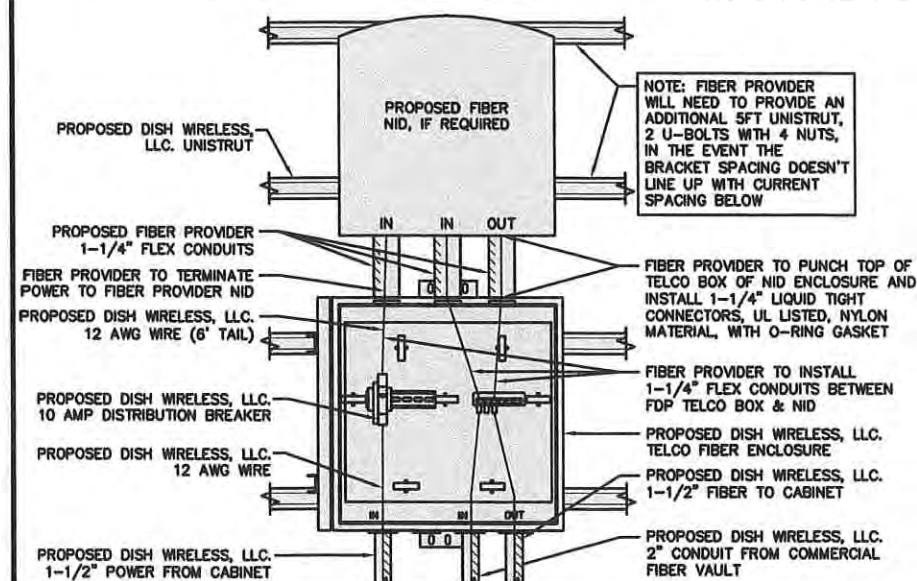
SHEET NUMBER

E-2

EXPANSION JOINT DETAIL

NO SCALE

1



LIT TELCO BOX - INTERIOR WIRING LAYOUT (OPTIONAL)

NO SCALE

4

TYPICAL UNDERGROUND TRENCH DETAIL

NO SCALE

2

DARK TELCO BOX - INTERIOR WIRING LAYOUT

NO SCALE

3

NOT USED

NO SCALE

5

NOT USED

NO SCALE

6

NOT USED

NO SCALE

7

NOT USED

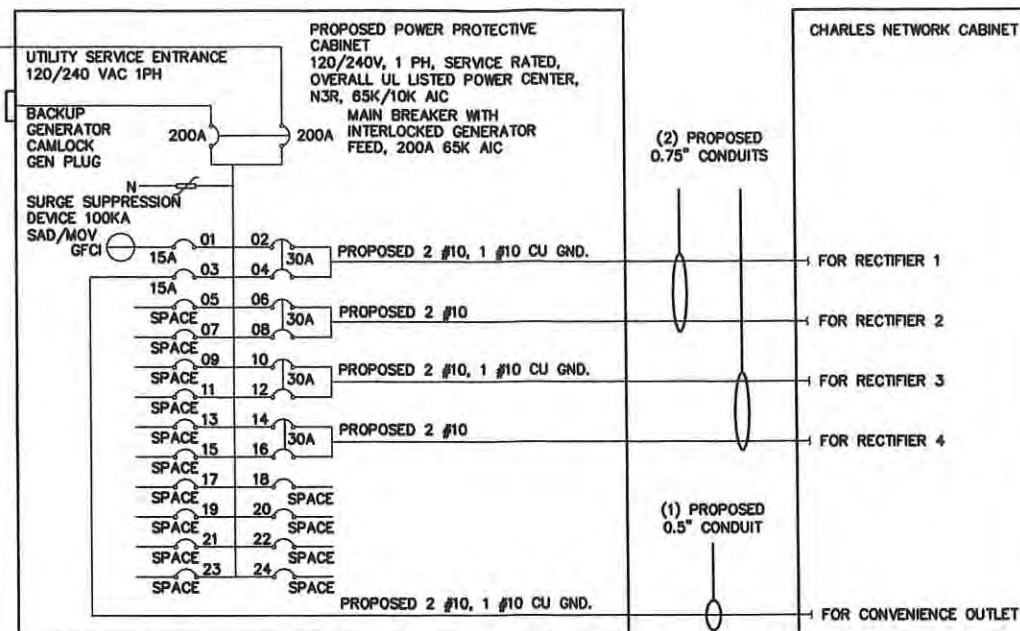
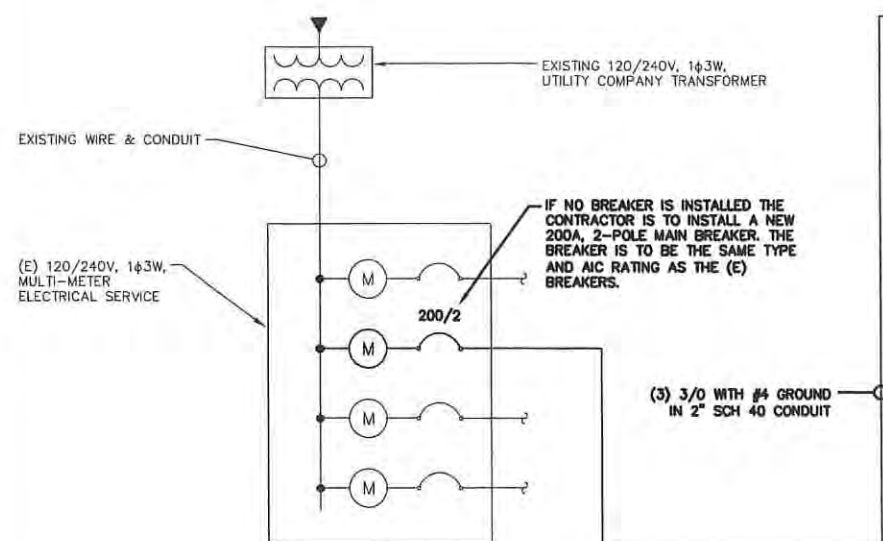
NO SCALE

8

NOT USED

NO SCALE

9



NOTE:
BRANCH CIRCUIT WIRING SUPPLYING RECTIFIERS ARE TO BE RATED UL1015, 105°C, 600V, AND PVC INSULATED, IN THE SIZES SHOWN IN THE ONE-LINE DIAGRAM. CONTRACTOR MAY SUBSTITUTE UL1015 WIRE FOR THWN-2 FOR CONVENIENCE OUTLET BRANCH CIRCUIT.

BREAKERS REQUIRED:
(4) 30A, 2P BREAKER - SQUARE D P/N: Q0230
(1) 15A, 1P BREAKER - SQUARE D P/N: Q0115

NOTES

THE ENGINEER OF RECORD HAS PERFORMED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE AIC RATINGS FOR EACH DEVICE IS ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.

THE ENGINEER OF RECORD HAS PERFORMED ALL REQUIRED VOLTAGE DROP CALCULATIONS AND ALL BRANCH CIRCUIT AND FEEDERS COMPLY WITH THE NEC (LISTED ON T-1) ARTICLE 210.19(A)(1) FPN NO. 4.

THE (2) CONDUITS WITH (4) CURRENT CARRYING CONDUCTORS EACH, SHALL APPLY THE ADJUSTMENT FACTOR OF 80% PER 2014/17 NEC TABLE 310.15(B)(3)(a) OR 2020 NEC TABLE 310.15(C)(1) FOR UL1015 WIRE.

#12 FOR 15A-20A/1P BREAKER: 0.8 x 30A = 24.0A
#10 FOR 25A-30A/2P BREAKER: 0.8 x 40A = 32.0A
#8 FOR 35A-40A/2P BREAKER: 0.8 x 55A = 44.0A
#6 FOR 45A-60A/2P BREAKER: 0.8 x 75A = 60.0A

CONDUIT SIZING: AT 40% FILL PER NEC CHAPTER 9, TABLE 4, ARTICLE 358.

0.5" CONDUIT - 0.122 SQ. IN AREA
0.75" CONDUIT - 0.213 SQ. IN AREA
2.0" CONDUIT - 1.316 SQ. IN AREA
3.0" CONDUIT - 2.907 SQ. IN AREA

CABINET CONVENIENCE OUTLET CONDUCTORS (1 CONDUIT): USING THWN-2, CU.

#10 - 0.0211 SQ. IN X 2 = 0.0422 SQ. IN
#10 - 0.0211 SQ. IN X 1 = 0.0211 SQ. IN <GND
TOTAL = 0.0633 SQ. IN

0.5" CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (3) WRES, INCLUDING GROUND WRE, AS INDICATED ABOVE.

RECTIFIER CONDUCTORS (2 CONDUITS): USING UL1015, CU.

#10 - 0.0266 SQ. IN X 4 = 0.1064 SQ. IN
#10 - 0.0082 SQ. IN X 1 = 0.0082 SQ. IN <BARE GROUND
TOTAL = 0.1146 SQ. IN

0.75" CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (5) WRES, INCLUDING GROUND WRE, AS INDICATED ABOVE.

PPC FEED CONDUCTORS (1 CONDUIT): USING THWN, CU.

3/0 - 0.2679 SQ. IN X 3 = 0.8037 SQ. IN
#4 - 0.0507 SQ. IN X 1 = 0.0507 SQ. IN <GROUND
TOTAL = 0.8544 SQ. IN

2.0" SCH 40 PVC CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (4) WRES, INCLUDING GROUND WRE, AS INDICATED ABOVE.

PPC ONE-LINE DIAGRAM

NO SCALE 1

PROPOSED CHARLES PANEL SCHEDULE

LOAD SERVED	VOLT AMPS (WATTS)		TRIP	CKT #	PHASE	CKT #	TRIP	VOLT AMPS (WATTS)		LOAD SERVED
	L1	L2						L1	L2	
PPC GFCI OUTLET	180		15A	1	A	2	30A	2880	2880	ABB/GE INFINITY RECTIFIER 1
CHARLES GFCI OUTLET		180	15A	3	B	4				
-SPACE-				5	A	6	30A	2880	2880	ABB/GE INFINITY RECTIFIER 2
-SPACE-				7	B	8				
-SPACE-				9	A	10	30A	2880	2880	ABB/GE INFINITY RECTIFIER 3
-SPACE-				11	B	12				
-SPACE-				13	A	14	30A	2880	2880	ABB/GE INFINITY RECTIFIER 4
-SPACE-				15	B	16				
-SPACE-				17	A	18				-SPACE-
-SPACE-				19	B	20				-SPACE-
-SPACE-				21	A	22				-SPACE-
-SPACE-				23	B	24				-SPACE-
VOLTAGE AMPS	180	180						11520	11520	
200A MCB, 1φ, 24 SPACE, 120/240V				L1	L2					
MB RATING: 65,000 AIC				11700	11700					
				98	98					
				98						
				123						

PANEL SCHEDULE

NO SCALE 2

NOT USED

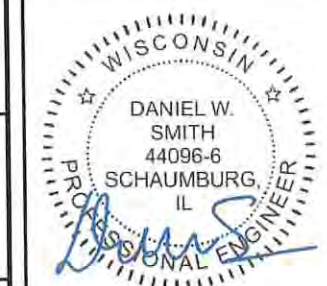
NO SCALE 3



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: HK CHECKED BY: DZ APPROVED BY: DS

RFDS REV #: 1

PERMITTING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
0	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER
2021.0030.0093

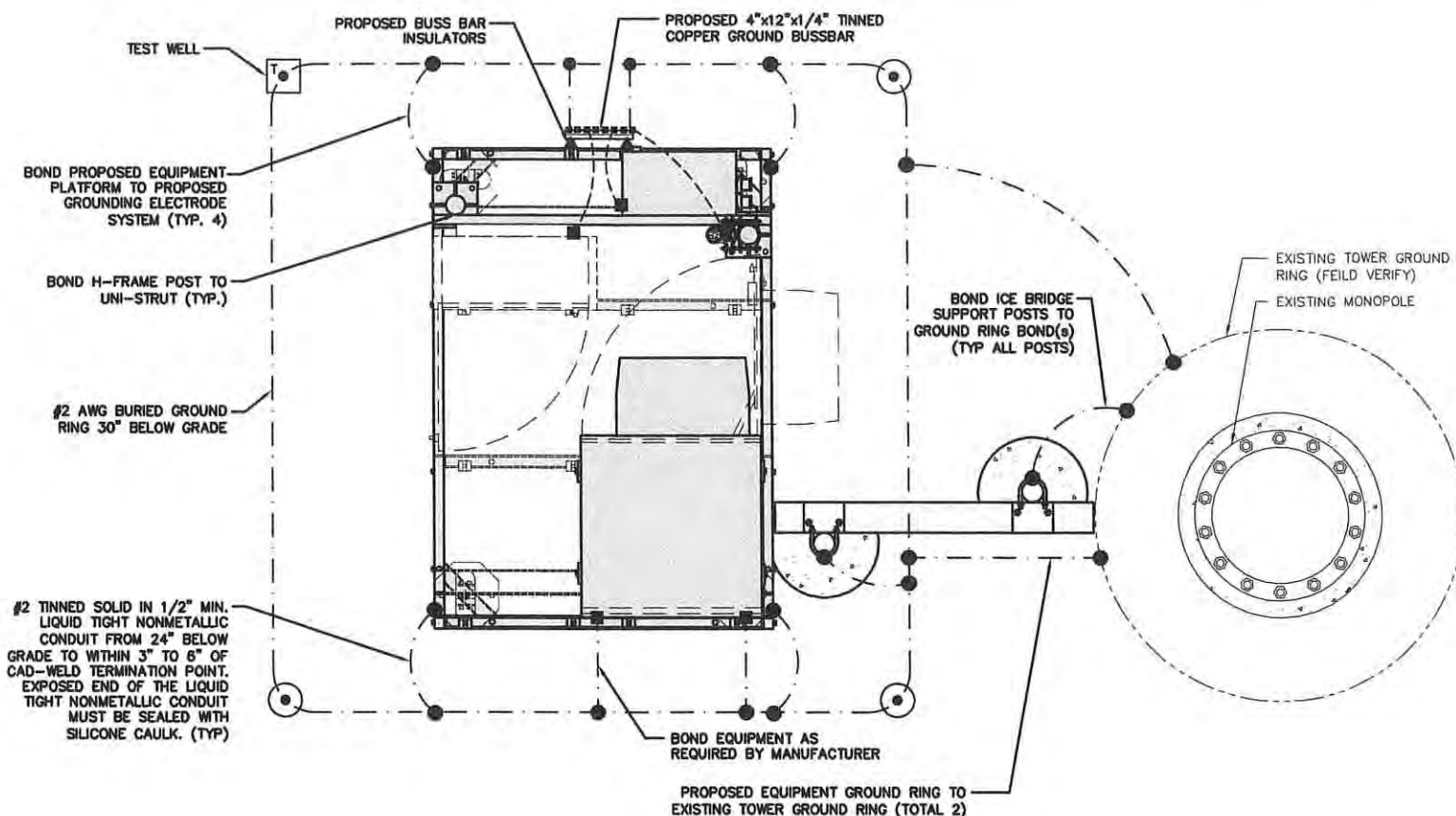
DISH WIRELESS, LLC.
PROJECT INFORMATION

MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
ELECTRICAL ONE-LINE, FAULT
CALCS & PANEL SCHEDULE

SHEET NUMBER

E-3

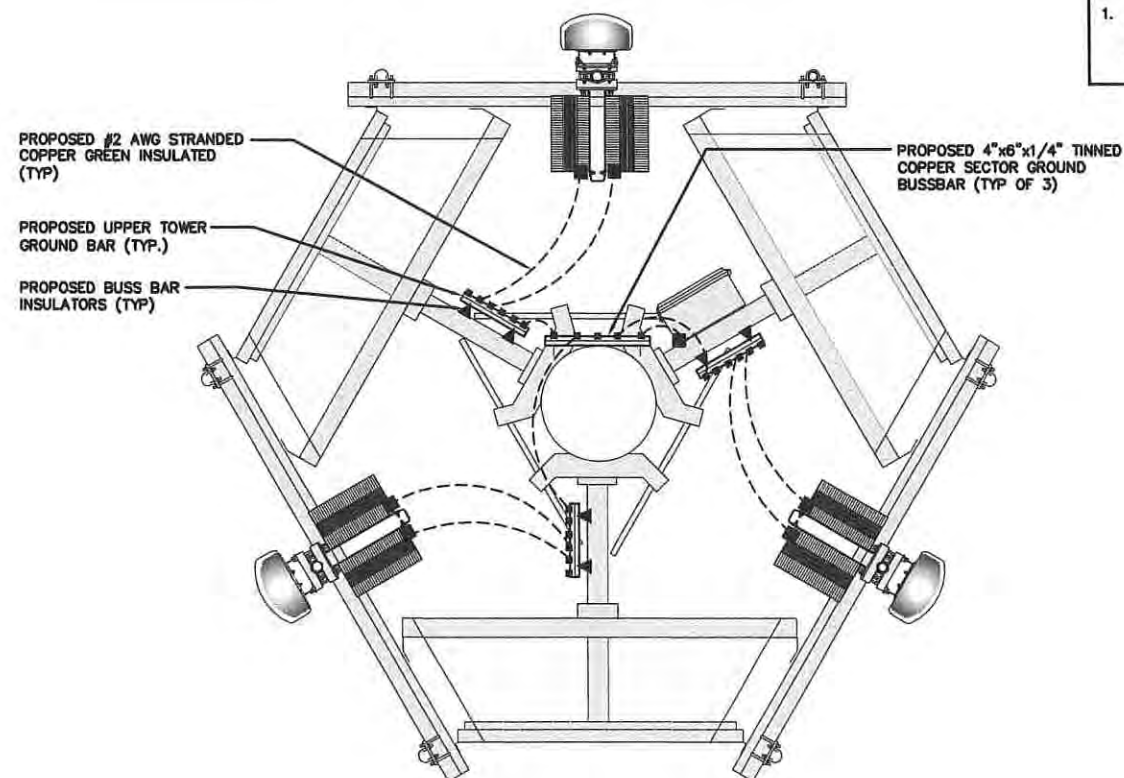


TYPICAL EQUIPMENT GROUNDING PLAN

NO SCALE 1

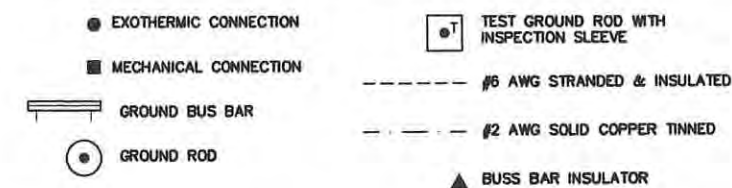
NOTES

1. ANTENNAS AND OVP SHOWN ARE GENERIC AND NOT REFERENCING TO A SPECIFIC MANUFACTURER. THIS LAYOUT IS FOR REFERENCE ONLY.



TYPICAL ANTENNA GROUNDING PLAN

NO SCALE 2



GROUNDING LEGEND

- GROUNDING IS SHOWN DIAGRAMMATICALLY ONLY.
- CONTRACTOR SHALL GROUND ALL EQUIPMENT AS A COMPLETE SYSTEM. GROUNDING SHALL BE IN COMPLIANCE WITH NEC SECTION 250 AND DISH WIRELESS, LLC. GROUNDING AND BONDING REQUIREMENTS AND MANUFACTURER'S SPECIFICATIONS.
- ALL GROUND CONDUCTORS SHALL BE COPPER; NO ALUMINUM CONDUCTORS SHALL BE USED.

GROUNDING KEY NOTES

- (A) **EXTERIOR GROUND RING:** #2 AWG SOLID COPPER, BURIED AT A DEPTH OF AT LEAST 30 INCHES BELOW GRADE, OR 6 INCHES BELOW THE FROST LINE AND APPROXIMATELY 24 INCHES FROM THE EXTERIOR WALL OR FOOTING.
- (B) **TOWER GROUND RING:** THE GROUND RING SYSTEM SHALL BE INSTALLED AROUND AN ANTENNA TOWER'S LEGS, AND/OR GUY ANCHORS. WHERE SEPARATE SYSTEMS HAVE BEEN PROVIDED FOR THE TOWER AND THE BUILDING, AT LEAST TWO BONDS SHALL BE MADE BETWEEN THE TOWER RING GROUND SYSTEM AND THE BUILDING RING GROUND SYSTEM USING MINIMUM #2 AWG SOLID COPPER CONDUCTORS.
- (C) **INTERIOR GROUND RING:** #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTOR EXTENDED AROUND THE PERIMETER OF THE EQUIPMENT AREA. ALL NON-TELECOMMUNICATIONS RELATED METALLIC OBJECTS FOUND WITHIN A SITE SHALL BE GROUNDED TO THE INTERIOR GROUND RING WITH #6 AWG STRANDED GREEN INSULATED CONDUCTOR.
- (D) **BOND TO INTERIOR GROUND RING:** #2 AWG SOLID TINNED COPPER WIRE PRIMARY BONDS SHALL BE PROVIDED AT LEAST AT FOUR POINTS ON THE INTERIOR GROUND RING, LOCATED AT THE CORNERS OF THE BUILDING.
- (E) **GROUND ROD:** UL LISTED COPPER CLAD STEEL, MINIMUM 1/2" DIAMETER BY EIGHT FEET LONG. GROUND RODS SHALL BE INSTALLED WITH INSPECTION SLEEVES. GROUND RODS SHALL BE DRIVEN TO THE DEPTH OF GROUND RING CONDUCTOR.
- (F) **CELL REFERENCE GROUND BAR:** POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 AWG UNLESS NOTED OTHERWISE STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) #2 SOLID TINNED COPPER CONDUCTORS.
- (G) **HATCH PLATE GROUND BAR:** BOND TO THE INTERIOR GROUND RING WITH TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CRGB MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR GROUND RING USING (2) TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS EACH.
- (H) **EXTERIOR CABLE ENTRY PORT GROUND BARS:** LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING. BOND TO GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND INSPECTION SLEEVE.
- (I) **TELCO GROUND BAR:** BOND TO BOTH CELL REFERENCE GROUND BAR OR EXTERIOR GROUND RING.
- (J) **FRAME BONDING:** THE BONDING POINT FOR TELECOM EQUIPMENT FRAMES SHALL BE THE GROUND BUS THAT IS NOT ISOLATED FROM THE EQUIPMENTS METAL FRAMEWORK.
- (K) **INTERIOR UNIT BONDS:** METAL FRAMES, CABINETS AND INDIVIDUAL METALLIC UNITS LOCATED WITH THE AREA OF THE INTERIOR GROUND RING REQUIRE A #6 AWG STRANDED GREEN INSULATED COPPER BOND TO THE INTERIOR GROUND RING.
- (L) **FENCE AND GATE GROUNDING:** METAL FENCES WITHIN 7 FEET OF THE EXTERIOR GROUND RING OR OBJECTS BONDED TO THE EXTERIOR GROUND RING SHALL BE BONDED TO THE GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTOR AT AN INTERVAL NOT EXCEEDING 25 FEET. BONDS SHALL BE MADE AT EACH GATE POST AND ACROSS GATE OPENINGS.
- (M) **EXTERIOR UNIT BONDS:** METALLIC OBJECTS, EXTERNAL TO OR MOUNTED TO THE BUILDING, SHALL BE BONDED TO THE EXTERIOR GROUND RING. USING #2 TINNED SOLID COPPER WIRE.
- (N) **ICE BRIDGE SUPPORTS:** EACH ICE BRIDGE LEG SHALL BE BONDED TO THE GROUND RING WITH #2 AWG BARE TINNED COPPER CONDUCTOR. PROVIDE EXOTHERMIC WELDS AT BOTH THE ICE BRIDGE LEG AND BURIED GROUND RING.
- (O) **DURING ALL DC POWER SYSTEM CHANGES** INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICE CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPPED WITH A MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE GROUND BAR.
- (P) **TOWER TOP COLLECTOR BUSS BAR** IS TO BE MECHANICALLY BONDED TO PROPOSED ANTENNA MOUNT COLLAR.
- (P) REFER TO DISH WIRELESS, LLC. GROUNDING NOTES.

GROUNDING KEY NOTES

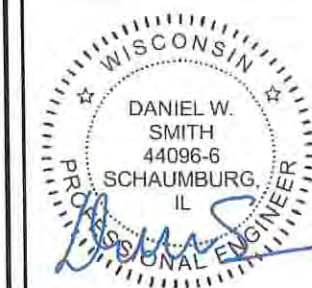
NO SCALE 3

dish
wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

FULLERTON

1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

HK DZ DS

RFDS REV #: 1

PERMITTING DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
0	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION

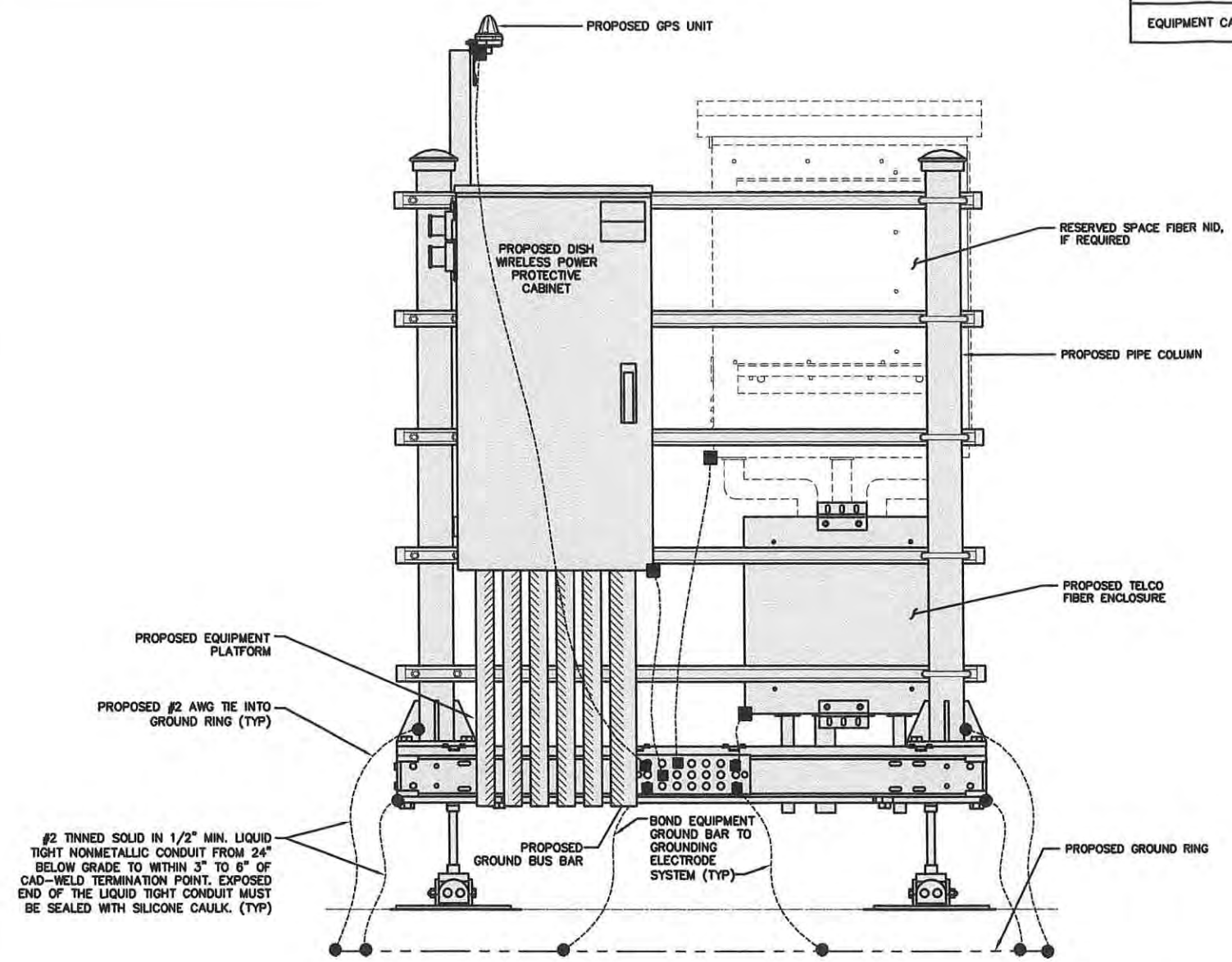
MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
GROUNDING PLANS
AND NOTES

SHEET NUMBER

G-1

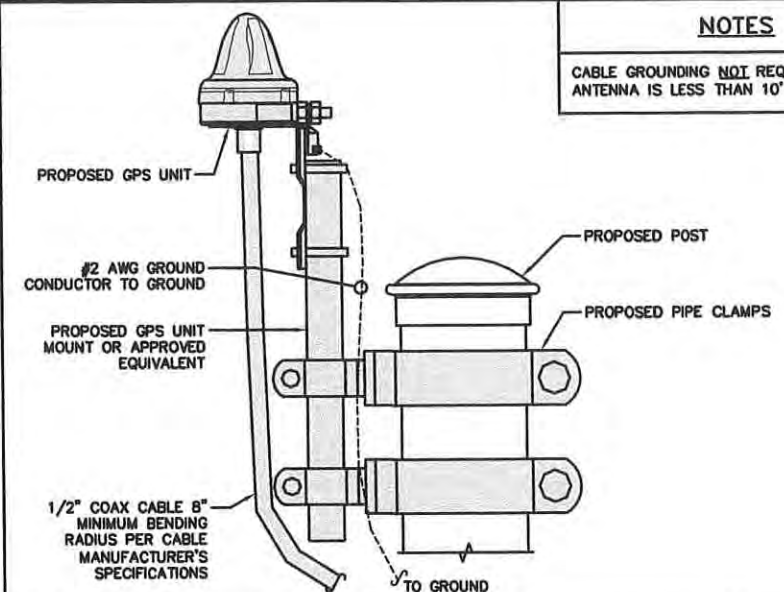
NOTES
EQUIPMENT CABINET OMITTED FOR CLARITY



H-FRAME GROUNDING DETAIL

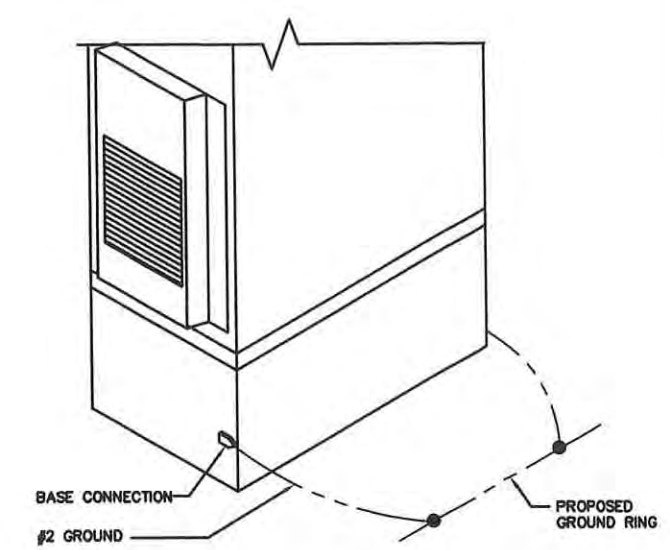
NO SCALE 1

NOTES
CABLE GROUNDING NOT REQUIRED WHEN ANTENNA IS LESS THAN 10' FROM CABINET



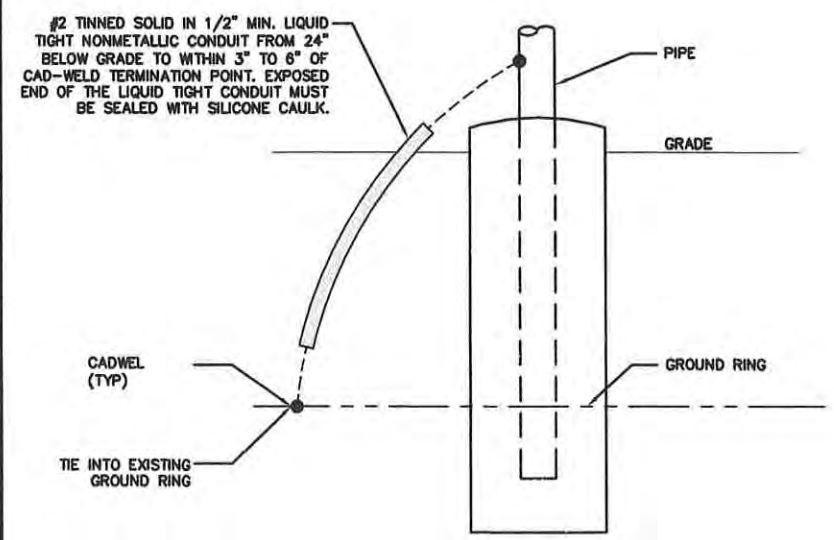
TYPICAL GPS UNIT GROUNDING

NO SCALE 2



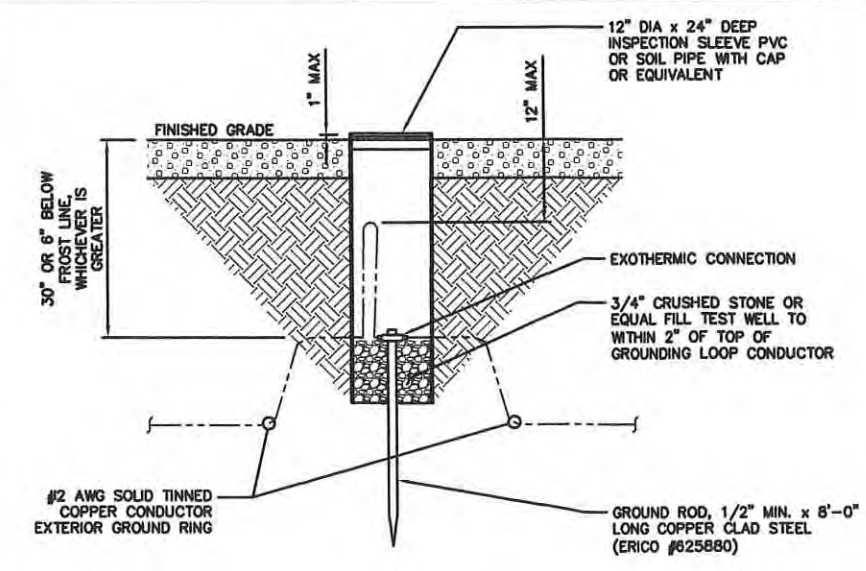
OUTDOOR CABINET GROUNDING

NO SCALE 3



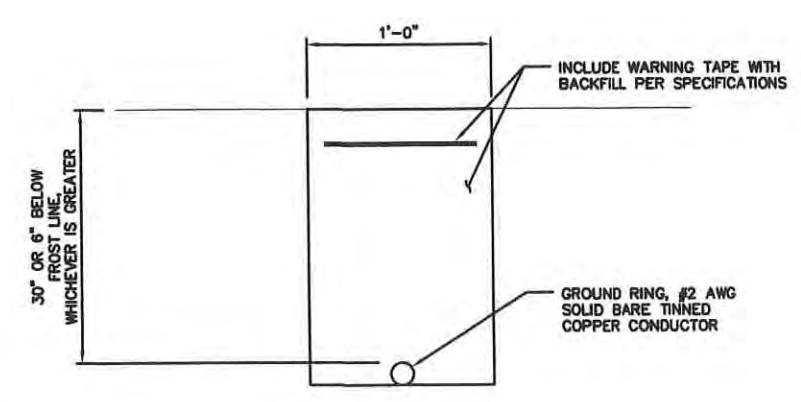
TRANSITIONING GROUND DETAIL

NO SCALE 4



TYPICAL TEST GROUND ROD WITH INSPECTION SLEEVE

NO SCALE 5



TYPICAL GROUND RING TRENCH

NO SCALE 6



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: HK CHECKED BY: DZ APPROVED BY: DS

RFDS REV #: 1

PERMITTING DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
0	11/24/2021	ISSUED FOR PERMITTING

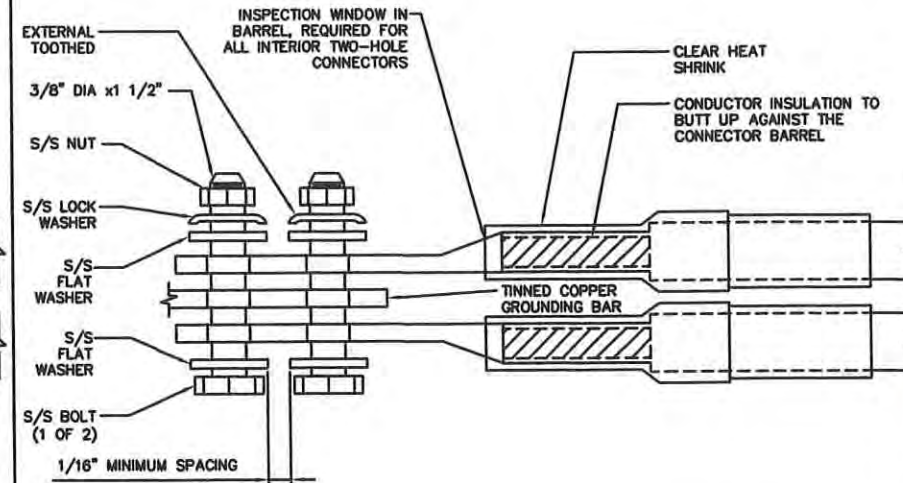
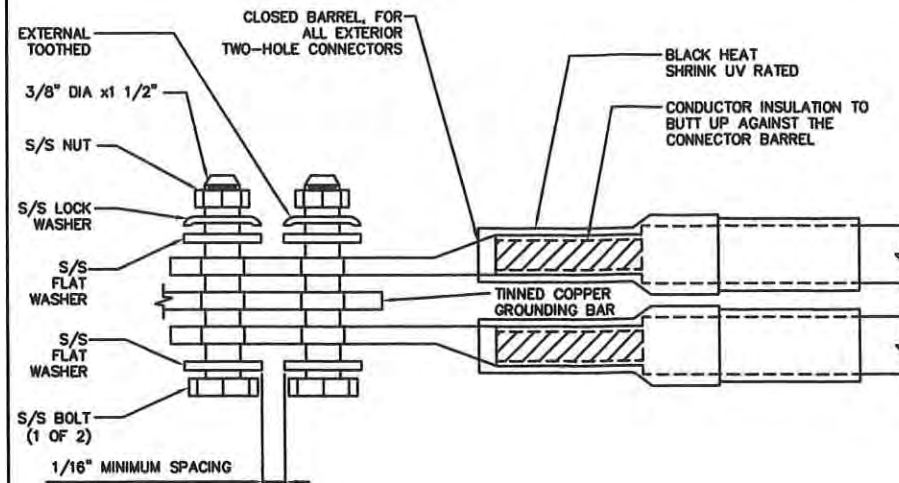
A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION
MWMKE00132A
200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER
G-2

1. EXOTHERMIC WELD (2) TWO, #2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUND BAR. ROUTE CONDUCTORS TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. ALL EXTERIOR GROUNDING HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
3. FOR GROUND BOND TO STEEL ONLY: COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
4. DO NOT INSTALL CABLE GROUNDING KIT AT A BEND AND ALWAYS DIRECT GROUND CONDUCTOR DOWN TO GROUNDING BUS.
5. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE.
6. ALL GROUNDING PARTS AND EQUIPMENT TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BAR AS REQUIRED.
8. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).



TYPICAL GROUNDING NOTES

NO SCALE

1

TYPICAL EXTERIOR TWO HOLE LUG

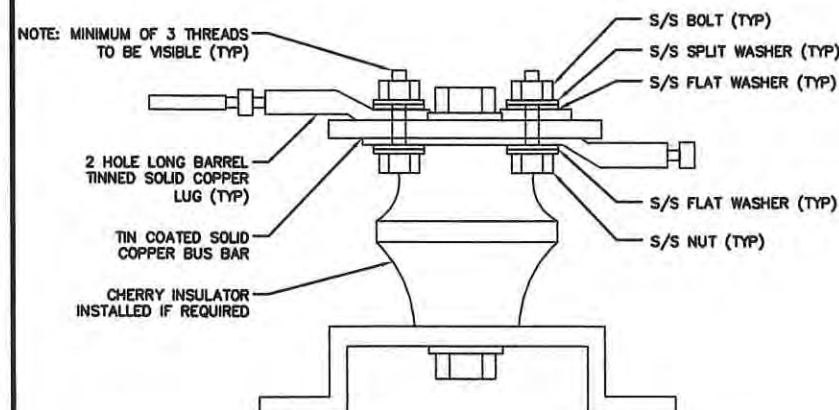
NO SCALE

2

TYPICAL INTERIOR TWO HOLE LUG

NO SCALE

3



LUG DETAIL

NO SCALE

4

NOT USED

NO SCALE

5

NOT USED

NO SCALE

6

NOT USED

NO SCALE

7

NOT USED

NO SCALE

8

NOT USED

NO SCALE

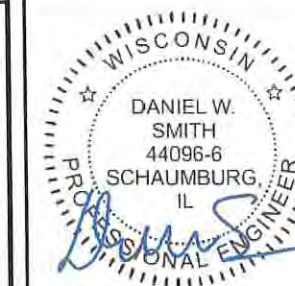
9

dish
wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

FULLERTON

1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

HK DZ DS

RFDS REV #: 1

PERMITTING DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
0	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION
MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER

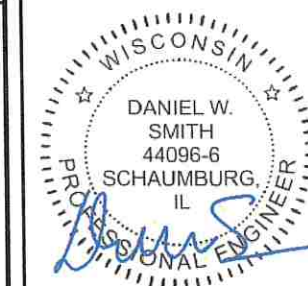
G-3



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

HK DZ DS

RFDS REV #: 1

PERMITTING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
D	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION

MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
RF
CABLE COLOR CODE

SHEET NUMBER
RF-1

HYBRID/DISCREET CABLES				3/4" TAPE WIDTHS WITH 3/4" SPACING								
LOW-BAND RRH (600 MHz N71 BASEBAND) + (850 MHz N26 BAND) + (700 MHz N29 BAND) - OPTIONAL PER MARKET ADD FREQUENCY COLOR TO SECTOR BAND (CBRS WILL USE YELLOW BAND)	ALPHA RRH				BETA RRH				GAMMA RRH			
	PORT 1 + SLANT	PORT 2 - SLANT	PORT 3 + SLANT	PORT 4 - SLANT	PORT 1 + SLANT	PORT 2 - SLANT	PORT 3 + SLANT	PORT 4 - SLANT	PORT 1 + SLANT	PORT 2 - SLANT	PORT 3 + SLANT	PORT 4 - SLANT
	RED	RED	RED	RED	BLUE	BLUE	BLUE	BLUE	GREEN	GREEN	GREEN	GREEN
	ORANGE	ORANGE	RED	RED	ORANGE	ORANGE	BLUE	BLUE	ORANGE	ORANGE	GREEN	GREEN
		WHITE (-) PORT	ORANGE	ORANGE		WHITE (-) PORT	ORANGE	ORANGE		WHITE (-) PORT	ORANGE	ORANGE
			WHITE (-) PORT				WHITE (-) PORT				WHITE (-) PORT	
MID-BAND RRH (AWS BANDS N66+N70) ADD FREQUENCY COLOR TO SECTOR BAND (CBRS WILL USE YELLOW BANDS)	RED	RED	RED	RED	BLUE	BLUE	BLUE	BLUE	GREEN	GREEN	GREEN	GREEN
	PURPLE	PURPLE	RED	RED	PURPLE	PURPLE	BLUE	BLUE	PURPLE	PURPLE	GREEN	GREEN
		WHITE (-) PORT	PURPLE	PURPLE		WHITE (-) PORT	PURPLE	PURPLE		WHITE (-) PORT	PURPLE	PURPLE
				WHITE (-) PORT				WHITE (-) PORT				WHITE (-) PORT
HYBRID/DISCREET CABLES				EXAMPLE 1	EXAMPLE 2	EXAMPLE 3	CANISTER COAX #1 (ALPHA)					
INCLUDE SECTOR BANDS BEING SUPPORTED ALONG WITH FREQUENCY BANDS.												
EXAMPLE 1 - HYBRID, OR DISCREET, SUPPORTS ALL SECTORS, BOTH LOW-BANDS AND MID-BANDS.				RED	RED	RED	RED					
				BLUE	BLUE							
				GREEN	GREEN							
EXAMPLE 2 - HYBRID, OR DISCREET, SUPPORTS CBRS ONLY, ALL SECTORS.							RED					
EXAMPLE 3 - MAIN COAX WITH GROUND MOUNTED RRHs.				ORANGE	YELLOW							
				PURPLE								
FIBER JUMPERS TO RRHs				LOW BAND RRH	MID BAND RRH	LOW BAND RRH	MID BAND RRH	LOW BAND RRH	MID BAND RRH	LOW BAND RRH	MID BAND RRH	
LOW-BAND HHR FIBER CABLES HAVE SECTOR STRIPE ONLY.				RED	RED	BLUE	BLUE	GREEN	GREEN			
				ORANGE	PURPLE	ORANGE	PURPLE	ORANGE	PURPLE			
POWER CABLES TO RRHs				LOW BAND RRH	MID BAND RRH	LOW BAND RRH	MID BAND RRH	LOW BAND RRH	MID BAND RRH	LOW BAND RRH	MID BAND RRH	
LOW-BAND RRH POWER CABLES HAVE SECTOR STRIPE ONLY				RED	RED	BLUE	BLUE	GREEN	GREEN			
				ORANGE	PURPLE	ORANGE	PURPLE	ORANGE	PURPLE			
RET MOTORS AT ANTENNAS				ANTENNA 1 MID BAND	ANTENNA 1 LOW BAND	ANTENNA 1 MID BAND	ANTENNA 1 LOW BAND	ANTENNA 1 MID BAND	ANTENNA 1 LOW BAND	ANTENNA 1 MID BAND	ANTENNA 1 LOW BAND	
RET CONTROL IS HANDLED BY THE MID-BAND RRH WHEN ONE SET OF RET PORTS EXIST ON ANTENNA.				IN	IN	IN	IN	IN	IN	IN	IN	
				RED	RED	BLUE	BLUE	GREEN	GREEN			
SEPARATE RET CABLES ARE USED WHEN ANTENNA PORTS PROVIDE INPUTS FOR BOTH LOW AND MID BANDS.				PURPLE	ORANGE	PURPLE	ORANGE	PURPLE	ORANGE			
MICROWAVE RADIO LINKS				FORWARD AZIMUTH OF 0-120 DEGREES		FORWARD AZIMUTH OF 120-240 DEGREES		FORWARD AZIMUTH OF 240-359 DEGREES				
LINKS WILL HAVE A 1.5-2 INCH WHITE WRAP WITH THE AZIMUTH COLOR OVERLAPPING IN THE MIDDLE.				PRIMARY	SECONDARY	PRIMARY	SECONDARY	PRIMARY	SECONDARY			
ADD ADDITIONAL SECTOR COLOR BANDS FOR EACH ADDITIONAL MW RADIO.				WHITE	WHITE	WHITE	WHITE	WHITE	WHITE			
				RED	RED	BLUE	BLUE	GREEN	GREEN			
				WHITE	WHITE	WHITE	WHITE	WHITE	WHITE			
MICROWAVE CABLES WILL REQUIRE P-TOUCH LABELS INSIDE THE CABINET TO IDENTIFY THE LOCAL AND REMOTE SITE ID's.					RED		BLUE		GREEN			
					WHITE		WHITE		WHITE			
					WHITE		WHITE		WHITE			

RF CABLE COLOR CODES

NO SCALE

1

NOT USED

NO SCALE

4

LOW BANDS (N71+N26)
OPTIONAL - (N29)

ORANGE

AWS
(N66+N70+H-BLOCK)

PURPLE

CBRS TECH
(3 GHz)

YELLOW

NEGATIVE SLANT PORT
ON ANT/RRH

WHITE

ALPHA SECTOR

RED

BETA SECTOR

BLUE

GAMMA SECTOR

GREEN

COLOR IDENTIFIER

NO SCALE

2

NOT USED

NO SCALE

3

EXOTHERMIC CONNECTION
MECHANICAL CONNECTION
BUSS BAR INSULATOR
CHEMICAL ELECTROLYTIC GROUNDING SYSTEM
TEST CHEMICAL ELECTROLYTIC GROUNDING SYSTEM
EXOTHERMIC WITH INSPECTION SLEEVE

GROUNDING BAR
GROUND ROD
TEST GROUND ROD WITH INSPECTION SLEEVE

SINGLE POLE SWITCH

DUPLEX RECEPTACLE

DUPLEX GFCI RECEPTACLE

FLUORESCENT LIGHTING FIXTURE
(2) TWO LAMPS 48-T8

SMOKE DETECTION (DC)

EMERGENCY LIGHTING (DC)

SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW
LED-1-25A400/51K-SR4-120-PE-DDBTXD

CHAIN LINK FENCE

WOOD/WROUGHT IRON FENCE

WALL STRUCTURE

LEASE AREA

PROPERTY LINE (PL)

SETBACKS

ICE BRIDGE

CABLE TRAY

WATER LINE

UNDERGROUND POWER

UNDERGROUND TELCO

OVERHEAD POWER

OVERHEAD TELCO

UNDERGROUND TELCO/POWER

ABOVE GROUND POWER

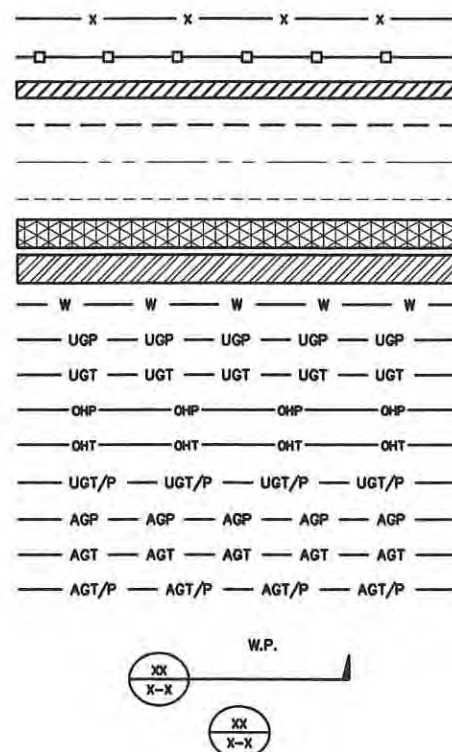
ABOVE GROUND TELCO

ABOVE GROUND TELCO/POWER

WORKPOINT

SECTION REFERENCE

DETAIL REFERENCE



AB ANCHOR BOLT
ABV ABOVE
AC ALTERNATING CURRENT
ADDL ADDITIONAL
AFF ABOVE FINISHED FLOOR
AFG ABOVE FINISHED GRADE
AGL ABOVE GROUND LEVEL
AIC AMPERAGE INTERRUPTION CAPACITY
ALUM ALUMINUM
ALT ALTERNATE
ANT ANTENNA
APPROX APPROXIMATE
ARCH ARCHITECTURAL
ATS AUTOMATIC TRANSFER SWITCH
AWG AMERICAN WIRE GAUGE
BATT BATTERY
BLDG BUILDING
BLK BLOCK
BLKG BLOCKING
BM BEAM
BTC BARE TINNED COPPER CONDUCTOR
BOF BOTTOM OF FOOTING
CAB CABINET
CANT CANTILEVERED
CHG CHARGING
CLG CEILING
CLR CLEAR
COL COLUMN
COMM COMMON
CONC CONCRETE
CONSTR CONSTRUCTION
DBL DOUBLE
DC DIRECT CURRENT
DEPT DEPARTMENT
DF DOUGLAS FIR
DIA DIAMETER
DIAG DIAGONAL
DIM DIMENSION
DWG DRAWING
DWL DOWEL
EA EACH
EC ELECTRICAL CONDUCTOR
EL ELEVATION
ELEC ELECTRICAL
EMT ELECTRICAL METALLIC TUBING
ENG ENGINEER
EQ EQUAL
EXP EXPANSION
EXT EXTERIOR
EW EACH WAY
FAB FABRICATION
FF FINISH FLOOR
FG FINISH GRADE
FIF FACILITY INTERFACE FRAME
FIN FINISH(ED)
FLR FLOOR
FDN FOUNDATION
FOC FACE OF CONCRETE
FOM FACE OF MASONRY
FOS FACE OF STUD
FOW FACE OF WALL
FS FINISH SURFACE
FT FOOT
FTG FOOTING
GA GAUGE
GEN GENERATOR
GFCI GROUND FAULT CIRCUIT INTERRUPTER
GLB GLUE LAMINATED BEAM
GLV GALVANIZED
GPS GLOBAL POSITIONING SYSTEM
GND GROUND
GSM GLOBAL SYSTEM FOR MOBILE
HDG HOT DIPPED GALVANIZED
HDR HEADER
HGR HANGER
HVAC HEAT/VENTILATION/AIR CONDITIONING
HT HEIGHT
IGR INTERIOR GROUND RING

IN INCH
INT INTERIOR
LB(S) POUND(S)
LF LINEAR FEET
LTE LONG TERM EVOLUTION
MAS MASONRY
MAX MAXIMUM
MB MACHINE BOLT
MECH MECHANICAL
MFR MANUFACTURER
MGB MASTER GROUND BAR
MIN MINIMUM
MISC MISCELLANEOUS
MTL METAL
MTS MANUAL TRANSFER SWITCH
MW MICROWAVE
NEC NATIONAL ELECTRIC CODE
NM NEWTON METERS
NO. NUMBER
NUMBER
NTS NOT TO SCALE
OC ON-CENTER
OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OPNG OPENING
P/C PRECAST CONCRETE
PCS PERSONAL COMMUNICATION SERVICES
PCU PRIMARY CONTROL UNIT
PRC PRIMARY RADIO CABINET
PP POLARIZING PRESERVING
PSF POUNDS PER SQUARE FOOT
PSI POUNDS PER SQUARE INCH
PT PRESSURE TREATED
PWR POWER CABINET
QTY QUANTITY
RAD RADIUS
RECT RECTIFIER
REF REFERENCE
REINF REINFORCEMENT
REQ'D REQUIRED
RET REMOTE ELECTRIC TILT
RF RADIO FREQUENCY
RMC RIGID METALLIC CONDUIT
RRH REMOTE RADIO HEAD
RRU REMOTE RADIO UNIT
RWY RACEWAY
SCH SCHEDULE
SHT SHEET
SIAD SMART INTEGRATED ACCESS DEVICE
SIM SIMILAR
SPEC SPECIFICATION
SQ SQUARE
SS STAINLESS STEEL
STD STANDARD
STL STEEL
TEMP TEMPORARY
THK THICKNESS
TMA TOWER MOUNTED AMPLIFIER
TN TOE NAIL
TOA TOP OF ANTENNA
TOC TOP OF CURB
TOF TOP OF FOUNDATION
TOP TOP OF PLATE (PARAPET)
TOS TOP OF STEEL
TOW TOP OF WALL
TVSS TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP TYPICAL
UG UNDERGROUND
UL UNDERWRITERS LABORATORY
UNO UNLESS NOTED OTHERWISE
UMTS UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
UPS UNINTERRUPTIBLE POWER SYSTEM (DC POWER PLANT)
VIF VERIFIED IN FIELD
W WIDE
W/ WITH
WD WOOD
WP WEATHERPROOF
WT WEIGHT

dish
wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

FULLERTON

1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

HK DZ DS

RFDS REV #: 1

PERMITTING DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
0	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION
MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
LEGEND AND
ABBREVIATIONS

SHEET NUMBER

GN-1

LEGEND

ABBREVIATIONS

SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED – NO WORK SHALL COMMENCE PRIOR TO CONTRACTOR RECEIVING A WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE DISH WIRELESS, LLC. AND TOWER OWNER NOC & THE DISH WIRELESS, LLC. AND TOWER OWNER CONSTRUCTION MANAGER.
2. "LOOK UP" – DISH WIRELESS, LLC. AND TOWER OWNER SAFETY CLIMB REQUIREMENT:
- THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR DISH WIRELESS, LLC. AND DISH WIRELESS, LLC. AND TOWER OWNER POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND DISH WIRELESS, LLC. AND TOWER OWNER STANDARDS, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA-322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH DISH WIRELESS, LLC. AND TOWER OWNER INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON DISH WIRELESS, LLC. AND TOWER OWNER TOWER SITE AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY DISH WIRELESS, LLC. AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES INCLUDING PRIVATE LOCATES SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND DISH PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF DISH WIRELESS, LLC. AND TOWER OWNER, AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS AND RADIOS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT

BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

- 1.FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
- CONTRACTOR:GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
- CARRIER:DISH WIRELESS, LLC.
- TOWER OWNER:TOWER OWNER
2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CARRIER POC AND TOWER OWNER.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION, BEFORE SUBMITTING BIDS, TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF DISH WIRELESS, LLC. AND TOWER OWNER
13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

HK DZ DS

RFDS REV #: 1

PERMITTING
DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	08/15/2021	REVISION
0	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION

MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'_c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°F AT TIME OF PLACEMENT.
4. CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.45.
5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (F_y) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:
 #4 BARS AND SMALLER 40 ksi
 #5 BARS AND LARGER 60 ksi
6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
 - CONCRETE EXPOSED TO EARTH OR WEATHER:
 - #6 BARS AND LARGER 2"
 - #5 BARS AND SMALLER 1-1/2"
 - CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
 - SLAB AND WALLS 3/4"
 - BEAMS AND COLUMNS 1-1/2"
7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- 4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
- 4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
8. TIE WRAPS ARE NOT ALLOWED.
9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.

16. ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECIMATE WIREWAY).
22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3 (OR BETTER) FOR EXTERIOR LOCATIONS.
25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR DISH WIRELESS, LLC. AND TOWER OWNER BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "DISH WIRELESS, LLC."
30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

HK DZ DS

RFDS REV #: 1

PERMITTING DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/15/2021	REVISION
0	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION
MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-3

GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD-WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY). DO NOT ATTACH GROUNDING TO FIRE SPRINKLER SYSTEM PIPES.



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

DRAWN BY:	CHECKED BY:	APPROVED BY:
HK	DZ	DS

RFDS REV #: 1

PERMITTING
DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/19/2021	ISSUED FOR REVIEW
B	09/16/2021	REVISION
D	11/24/2021	ISSUED FOR PERMITTING

A&E PROJECT NUMBER
2021.0030.0093

DISH WIRELESS, LLC.
PROJECT INFORMATION

MWMKE00132A
7200 N SANTA MONICA BLVD
FOX POINT, WI 53217

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-4



VILLAGE OF FOX POINT

MILWAUKEE COUNTY
WISCONSIN

VILLAGE HALL
7200 N. SANTA MONICA BLVD.
FOX POINT 53217-3505
414-351-8900
FAX 414-351-8909

To: Village of Fox Point Village Board
From: Scott Brandmeier, Director of Public Works 
Through: Scott Botcher, Village Manager 
Date: January 4, 2022
Re: PASER Update

In late November, Village staff inspected the 35 lane miles of roadway in the Village and performed the biennial Pavement Surface Evaluation and Rating (PASER) for each segment of Village roads. In evaluating each of the roads, staff will look at surface defects (raveling, flushing and polishing), surface deformations (rutting, distortion), cracks (transverse, reflection, slippage, longitudinal, block and alligator cracks), and patches and potholes. Roads are rated between a 1 and a 10 with a 1 representing a road that has failed and has severe distress with extensive loss of surface integrity up to a 10 which means the road is in excellent condition and is generally new construction. A link to the PASER manual is as follows: https://interpro.wisc.edu/tic/wp-content/uploads/sites/3/2019/12/Asphalt-PASER_02_rev13.pdf.

In performing the analysis, staff will look at each segment of road and, in some cases, a portion of the road may be rated higher than a separate section or portion of that same segment (between two roads). In those cases, staff will typically average the road rating to more fairly represent the condition of the road across the entire section. Overall, the average road rating of 6.46 indicates that the roads are in good condition. More specifically, the average road rating of 6.46 is based on a straight average regardless of the length of the segment of road being rated whereas the weighted average of 6.371 is slightly less (the weighted average takes the rating multiplied by the length of each segment of road and then is divided by the overall length of the Village roads). Compared to the 2019 ratings of 6.203 and 6.233 and 2017 ratings of 5.875 and 5.842, respectively, there has been an increase in the condition of the Village roads which is a testament to the commitment the Village has made to capital improvements.

New Rating		County - Municipal Code	Current Pavement Rating and Year	Surface			Units (F = Feet/ M = Miles)	On Route	At Route			Toward Route			Segment Length	Local ID (Optional Field)
Pavement Rating	Rating Year			Type	Year	Width		Name (Includes prefix, name, type, suffix and extention)	At Municipal Location	Name (Includes prefix, name, type, suffix and extention)	At Offset	Toward Municipal Location	Name (Includes prefix, name, type, suffix and extention)	Toward Offset (Optional Field)		
10	1500	40126	10 (2021)	70	1998	37	F	Acacia Rd		Santa Monica Blvd	0		Lake Dr / STH 32	0	150	100-1
10	6950	40126	10 (2021)	70	2020	37	F	Acacia Rd		Santa Monica Blvd	150		Lake Dr / STH 32	0	695	100-1
5	4490	40126	5 (2021)	70	2001	18	F	Allen Ln		Dean Rd	0		Termini	0	898	101-1
5	3170	40126	5 (2021)	70	1998	20	F	Apple Tree Rd		Daphne Rd	0		Lake Dr / STH 32	0	634	102-1
10	12670	40126	10 (2021)	70	2020	18	F	Barnett Ln		Lake Dr / STH 32	0		View Pl	0	1267	103-1
10	6860	40126	10 (2021)	70	2020	18	F	Barnett Ln		View Pl	0		Green Tree Rd	0	686	103-1
6	3804	40126	6 (2021)	70	2002	18	F	Barnett Ln		Green Tree Rd	0		Belmont Ln	0	634	103-2/3
5	5990	40126	5 (2021)	70	2002	18	F	Barnett Ln		Belmont Ln	0		Termini	0	1198	103-2/3
10	1750	40126	10 (2021)	65	2014	18	F	Barnett Ln		Belmont Ln	1198		Termini	0	175	103-2/3
7	3325	40126	7 (2021)	70	2000	20	F	Bayfield Rd		W Bayfield Ave / CTH W / Port W	0		Mohawk Rd N	0	475	104-1
7	3696	40126	7 (2021)	70	2003	20	F	Beach Ct		Termini	0		Beach Dr (1)	0	528	105-1
5	2110	40126	5 (2021)	65	2003	24	F	Beach Dr (1)		N Beach Dr	0		Beach Ct	0	422	
6	8868	40126	6 (2021)	65	2003	24	F	Beach Dr (1)		Beach Ct	0		Beach Dr (2)	0	1478	
7	1106	40126	7 (2021)	65	2003	24	F	Beach Dr (1)		Beach Dr (2)	0		Beach Dr (4)	0	158	
7	29568	40126	7 (2021)	65	2003	24	F	Beach Dr (1)		Beach Dr (4)	0		N Beach Dr	0	4224	
4	424	40126	4 (2021)	70	1995	24	F	Beach Dr (2)		Beach Dr (1)	0		Beach Dr (4)	0	106	106-2
4	632	40126	4 (2021)	70	1995	24	F	Beach Dr (2)		Beach Dr (1)	106		Beach Dr (4)	0	158	106-5
4	3800	40126	4 (2021)	70	1995	24	F	Beach Dr (2)		Beach Dr (4)	0		Beach Dr (3)	0	950	106-5
6	1902	40126	6 (2021)	70	1995	24	F	Beach Dr (2)		Beach Dr (3)	0		Lake Dr / STH 32	0	317	106-5
6	636	40126	6 (2021)	70	1995	24	F	Beach Dr (3)		Beach Dr (2)	0		Lake Dr / STH 32	0	106	106-3
7	1848	40126	7 (2021)	70	2003	24	F	Beach Dr (4)		Beach Dr (1)	0		Beach Dr (2)	0	264	106-6
4	2324	40126	4 (2021)	70	1996	24	F	Bell Rd		Lake Dr / STH 32	0		Santa Monica Blvd	0	581	107-1
2	740	40126	2 (2021)	70	1996	22	F	Bell Rd		Santa Monica Blvd	0		Longacre Rd	0	370	107-2
3	1743	40126	3 (2021)	70	1996	22	F	Bell Rd		Longacre Rd	0		Lombardy Rd	0	581	107-2
4	1900	40126	4 (2021)	70	1996	22	F	Bell Rd		Lombardy Rd	0		Crossway Rd	0	475	107-2
4	1688	40126	4 (2021)	70	1996	22	F	Bell Rd		Crossway Rd	0		Calumet Rd	0	422	107-2
6	5700	40126	6 (2021)	70	2000	22	F	Bell Rd		Calumet Rd	0		MacArthur Rd	0	950	107-3
4	2536	40126	4 (2021)	70	2002	20	F	Belmont Ln		Lake Dr / Lake Dr Service Dr / La	0		Green Tree Rd	0	634	108-1/2
4	3592	40126	4 (2021)	70	2002	20	F	Belmont Ln		Green Tree Rd	0		Barnett Ln	0	898	108-1/2
9	5229	40126	9 (2021)	70	2015	22	F	Bergen Ct		Bergen Dr	0		Termini	0	581	109-1
7	5173	40126	7 (2021)	70	2004	22	F	Bergen Dr		Seneca Rd	0		Bergen Ct	0	739	110-1
6	2784	40126	6 (2021)	70	2004	22	F	Bergen Dr		Bergen Ct	0		CTH W / Port Washington Rd	0	464	110-1
10	2750	40126	10 (2021)	70	2019	22	F	Bergen Dr		Bergen Ct	464		CTH W / Port Washington Rd	0	275	110-1
6	3168	40126	6 (2021)	70	2002	18	F	Bergen Dr		CTH W / Port Washington Rd	0		Fox Croft Ct / Fox Croft Ln	0	528	110-2/3
6	1584	40126	6 (2021)	70	2002	18	F	Bergen Dr		Fox Croft Ct / Fox Croft Ln	0		Termini	0	264	110-2/3
7	2219	40126	7 (2021)	70	2002	28	F	Berkeley Blvd		School Rd / N Berkeley Blvd	0		Termini	0	317	111-1

NOTE: If Previous Pavement Rating and Year column blank, previous submitted rating incompatible with surface type OR no rating data available.

New Rating		County - Municipal Code	Current Pavement Rating and Year	Surface			Units (F = Feet/ M = Miles)	On Route	At Route			Toward Route			Segment Length	Local ID (Optional Field)
Pavement Rating	Rating Year			Type	Year	Width		Name (Includes prefix, name, type, suffix and extention)	At Municipal Location	Name (Includes prefix, name, type, suffix and extention)	At Offset	Toward Municipal Location	Name (Includes prefix, name, type, suffix and extention)	Toward Offset (Optional Field)		
7	2954	40126	7 (2021)	70	1999	21	F	Birch Hill Ct		Clovernook Ln W / Clovernook Rd	0		Termini	0	422	112-1
5	3960	40126	5 (2021)	70	1989	20	F	Black Hawk Rd		Mohawk Rd N	0		Fairchild Rd	0	792	113-1
6	6972	40126	6 (2021)	70	2000	20	F	Boyd Way		Termini	0		Hyde Way	0	1162	
5	6070	40126	5 (2021)	70	2000	20	F	Boyd Way		Hyde Way	0		Calumet Rd	0	1214	
5	3430	40126	5 (2021)	70	2000	20	F	Boyd Way		Calumet Rd	0		Portage Rd	0	686	
5	2110	40126	5 (2021)	70	2000	20	F	Boyd Way		Portage Rd	0		Termini	0	422	
7	7021	40126	7 (2021)	70	2002	22	F	Bradley Rd		Termini	0		CTH W / Port Washington Rd	0	1003	115-4
3	792	40126	3 (2021)	70	1991	24	F	Bradley Rd		CTH W / Port Washington Rd	0		Mohawk Rd N	0	264	115-3
3	951	40126	3 (2021)	70	1991	24	F	Bradley Rd		Mohawk Rd N	0		Navajo Rd	0	317	115-3
3	1110	40126	3 (2021)	70	1991	24	F	Bradley Rd		Navajo Rd	0		Seneca Rd	0	370	115-3
3	2217	40126	3 (2021)	70	1991	24	F	Bradley Rd		Seneca Rd	0		Regent Rd	0	739	115-3
3	951	40126	3 (2021)	70	1991	24	F	Bradley Rd		Regent Rd	0		Whitney Rd	0	317	115-3
3	1902	40126	3 (2021)	70	1991	24	F	Bradley Rd		Whitney Rd	0		Santa Monica Blvd	0	634	115-3
4	1480	40126	4 (2021)	70	1991	24	F	Bradley Rd		Santa Monica Blvd	0		Poplar Dr	0	370	115-2
4	632	40126	4 (2021)	70	2001	24	F	Bradley Rd		Santa Monica Blvd	370		Poplar Dr	0	158	115-1
4	1480	40126	4 (2021)	70	2001	24	F	Bradley Rd		Poplar Dr	0		Links Way (1)	0	370	115-1
5	3170	40126	5 (2021)	70	2001	24	F	Bradley Rd		Links Way (1)	0		Lake Dr / STH 32	0	634	115-1
4	1284	40126	4 (2021)	70	2002	18	F	Bridge Ln		Lake Dr / STH 32	0		Daisy Ln	0	321	116-1
10	2600	40126	10 (2021)	70	2014	18	F	Bridge Ln		Lake Dr / STH 32	321		Daisy Ln	0	260	116-1
10	3170	40126	10 (2021)	70	2014	18	F	Bridge Ln		Daisy Ln	0		Termini	0	317	116-1
6	12036	40126	6 (2021)	70	1998	17	F	Bywater Ln		Graylog Ln	0		Lake Dr / STH 32	0	2006	117-1
10	3700	40126	10 (2021)	70	2019	23	F	Calumet Rd		CTH W / Port Washington Rd / W	0		Mohawk Rd N	0	370	118-2
10	3700	40126	10 (2021)	70	2019	23	F	Calumet Rd		Mohawk Rd N	0		Navajo Rd	0	370	118-2
10	3170	40126	10 (2021)	70	2019	23	F	Calumet Rd		Navajo Rd	0		Seneca Rd	0	317	118-2
10	3170	40126	10 (2021)	70	2019	23	F	Calumet Rd		Seneca Rd	0		Fairchild Rd	0	317	118-2
10	4220	40126	10 (2021)	70	2019	23	F	Calumet Rd		Fairchild Rd	0		Bell Rd	0	422	118-2
10	6340	40126	10 (2021)	70	2019	23	F	Calumet Rd		Bell Rd	0		Regent Rd	0	634	118-2
10	1580	40126	10 (2021)	70	2019	23	F	Calumet Rd		Regent Rd	0		Crossway Rd	0	158	118-2
10	1580	40126	10 (2021)	70	2019	23	F	Calumet Rd		Crossway Rd	0		Santa Monica Blvd	0	158	118-2
10	5810	40126	10 (2021)	70	2019	23	F	Calumet Rd		Santa Monica Blvd	0		Boyd Way	0	581	118-1
10	3700	40126	10 (2021)	70	2019	23	F	Calumet Rd		Boyd Way	0		Links Way (1)	0	370	118-1
10	4750	40126	10 (2021)	70	2019	23	F	Calumet Rd		Links Way (1)	0		Lake Dr / STH 32	0	475	118-1
5	1585	40126	5 (2021)	70	1993	20	F	Cherokee Cir		Mohawk Rd N	0		Navajo Rd	0	317	119-1
5	1320	40126	5 (2021)	70	1993	20	F	Cherokee Cir		Navajo Rd	0		Seneca Rd	0	264	119-1
5	2905	40126	5 (2021)	70	1993	20	F	Cherokee Cir		Seneca Rd	0		Spooner Rd	0	581	119-1
6	4434	40126	6 (2021)	70	2001	22	F	Churchill Ln		Links Way (1)	0		Lake Dr / STH 32	0	739	120-1

NOTE: If Previous Pavement Rating and Year column blank, previous submitted rating incompatible with surface type OR no rating data available.

New Rating		County - Municipal Code	Current Pavement Rating and Year	Surface			Units (F = Feet/ M = Miles)	On Route	At Route			Toward Route			Segment Length	Local ID (Optional Field)
Pavement Rating	Rating Year			Type	Year	Width		Name (Includes prefix, name, type, suffix and extention)	At Municipal Location	Name (Includes prefix, name, type, suffix and extention)	At Offset	Toward Municipal Location	Name (Includes prefix, name, type, suffix and extention)	Toward Offset (Optional Field)		
7	1477	40126	7 (2021)	70	1994	20	F	Clair Ct		Crossway Rd / Fairchild Cir / Yates Rd	0		Termini	0	211	121-1
6	954	40126	6 (2021)	70	1998	24	F	Clovernook Ln W		N Kent Ave / W Clovernook Ln	158		Birch Hill Ct / Clovernook Rd	0	159	122-1
6	2220	40126	6 (2021)	70	1998	24	F	Clovernook Rd		Birch Hill Ct / Clovernook Ln W	0		Santa Monica Blvd	0	370	122-1
10	7250	40126	10 (2021)	70	2018	18	F	Club Cir		Lake Dr / STH 32	0		N Merrie Ln	0	725	
10	6490	40126	10 (2021)	70	2018	18	F	Club Cir		N Merrie Ln	0		Lilac Ln / E Lilac Ln	0	649	
10	19540	40126	10 (2021)	70	2018	18	F	Club Cir		Lilac Ln / E Lilac Ln	0		Lake Dr / STH 32	0	1954	
6	948	40126	6 (2021)	70	1993	18	F	Coleman Ln		Lake Dr / STH 32	0		Termini	0	158	188-1
5	2375	40126	5 (2021)	70	1965	36	F	Community Pl		Longacre Rd	0		Santa Monica Blvd	0	475	124-1
4	3592	40126	4 (2021)	70	1990	36	F	Crossway Rd		Calumet Rd	0		Bell Rd	0	898	125-2/3
6	2532	40126	6 (2021)	70	1990	36	F	Crossway Rd		Bell Rd	0		Fairchild Rd	0	422	125-2/3
6	7920	40126	6 (2021)	70	1990	22	F	Crossway Rd		Fairchild Rd	0		Mall Rd	0	1320	125-2/3
6	4116	40126	6 (2021)	70	1990	22	F	Crossway Rd		Mall Rd	0		Good Hope Rd W	0	686	125-2/3
5	1320	40126	5 (2021)	70	1990	22	F	Crossway Rd		Good Hope Rd W	0		Fairchild Cir	0	264	125-1
5	3960	40126	5 (2021)	70	1990	22	F	Crossway Rd		Fairchild Cir	0		Clair Ct / Fairchild Cir / Yates Rd	0	792	125-1
4	2940	40126	4 (2021)	70	1998	18	F	Daisy Ln		Lake Dr / STH 32	0		Bridge Ln	0	735	126-1
9	990	40126	9 (2021)	70	2014	18	F	Daisy Ln		Lake Dr / STH 32	735		Bridge Ln	0	110	126-1
5	1585	40126	5 (2021)	70	1998	20	F	Daphne Rd		Santa Monica Blvd	0		Apple Tree Rd	0	317	127-1
4	3800	40126	4 (2021)	70	1998	20	F	Daphne Rd		Apple Tree Rd	0		Lake Dr / STH 32	0	950	127-1
8	1688	40126	8 (2021)	70	2002	21	F	Dean Ct		Dean Rd / Fox Croft Ln	0		Termini	0	211	189-1
6	3804	40126	6 (2021)	70	2002	26	F	Dean Rd		Dean Ct / Fox Croft Ln	0		CTH W / Port Washington Rd	0	634	128-5
6	6018	40126	6 (2021)	70	2000	22	F	Dean Rd		CTH W / Port Washington Rd	0		Indian Creek Pkwy	0	1003	128-4
6	4752	40126	6 (2021)	70	2000	22	F	Dean Rd		Indian Creek Pkwy	0		Regent Rd	0	792	128-4
6	2220	40126	6 (2021)	70	1993	24	F	Dean Rd		Regent Rd	0		Whitney Rd	0	370	
6	2100	40126	6 (2021)	70	1993	24	F	Dean Rd		Whitney Rd	0		Indian Creek Pkwy / Santa Monica	0	350	
10	2310	40126	10 (2021)	70	2016	24	F	Dean Rd		Whitney Rd	350		Indian Creek Pkwy / Santa Monica	0	231	
9	4752	40126	9 (2021)	70	2016	24	F	Dean Rd		Indian Creek Pkwy / Santa Monica	0		Poplar Dr	0	528	
6	660	40126	6 (2021)	70	2016	24	F	Dean Rd		Poplar Dr	0		Greenvale Rd	0	110	
6	1560	40126	6 (2021)	70	1993	24	F	Dean Rd		Poplar Dr	110		Greenvale Rd	0	260	
5	1585	40126	5 (2021)	70	1993	24	F	Dean Rd		Greenvale Rd	0		Links Way (1)	0	317	
5	2110	40126	5 (2021)	70	1993	24	F	Dean Rd		Links Way (1)	0		Lake Dr / STH 32	0	422	
3	6336	40126	3 (2021)	70	2001	22	F	Dean Rd		Lake Dr / STH 32	0		Allen Ln	0	2112	128-1
5	2640	40126	5 (2021)	70	2001	22	F	Dean Rd		Allen Ln	0		Fox Ln	0	528	128-1
6	636	40126	6 (2021)	70	2001	22	F	Dunwood Rd		CTH W / Port Washington Rd	0		Port Washington Ct	0	106	129-1
6	2220	40126	6 (2021)	70	2001	22	F	Dunwood Rd		Port Washington Ct	0		Mohawk Rd N	0	370	129-1
6	5388	40126	6 (2021)	70	2001	22	F	Dunwood Rd		Mohawk Rd N	0		Seneca Rd	0	898	129-1
7	9240	40126	7 (2021)	70	2002	20	F	Fairchild Cir		Clair Ct / Crossway Rd / Yates Rd	0		Crossway Rd	0	1320	

NOTE: If Previous Pavement Rating and Year column blank, previous submitted rating incompatible with surface type OR no rating data available.

New Rating		County - Municipal Code	Current Pavement Rating and Year	Surface			Units (F = Feet/ M = Miles)	On Route	At Route			Toward Route			Segment Length	Local ID (Optional Field)
Pavement Rating	Rating Year			Type	Year	Width		Name (Includes prefix, name, type, suffix and extention)	At Municipal Location	Name (Includes prefix, name, type, suffix and extention)	At Offset	Toward Municipal Location	Name (Includes prefix, name, type, suffix and extention)	Toward Offset (Optional Field)		
6	948	40126	6 (2021)	70	1974	48	F	Fairchild Ct		Fairchild Rd	0		Termini	0	158	190-1
9	7128	40126	9 (2021)	70	2009	20	F	Fairchild Rd		Crossway Rd	0		Calumet Rd	0	792	131-1
5	5015	40126	5 (2021)	70	1992	20	F	Fairchild Rd		Calumet Rd	0		Seneca Rd	0	1003	131-2/3
5	6335	40126	5 (2021)	70	1989	20	F	Fairchild Rd		Seneca Rd	0		Black Hawk Rd	0	1267	131-2/3
5	2905	40126	5 (2021)	70	1996	20	F	Fairchild Rd		Black Hawk Rd	0		Regent Rd	0	581	131-4
6	2532	40126	6 (2021)	70	1996	20	F	Fairchild Rd		Regent Rd	0		Fairchild Ct	0	422	131-4
6	3168	40126	6 (2021)	70	1996	20	F	Fairchild Rd		Fairchild Ct	0		Santa Monica Blvd	0	528	131-4
7	2590	40126	7 (2021)	70	1991	20	F	Fox Croft Ct		Bergen Dr / Fox Croft Ln	0		Termini	0	370	198-1
7	7392	40126	7 (2021)	70	2002	21	F	Fox Croft Ln		Bergen Dr / Fox Croft Ct	0		Dean Ct / Dean Rd	0	1056	132-1
5	11090	40126	5 (2021)	70	1999	20	F	Fox Ln		Dean Rd	528		Goodrich Ln	0	2218	133-1
4	2956	40126	4 (2021)	70	1999	20	F	Fox Ln		Goodrich Ln	0		Graylog Ln	0	739	133-1
5	4750	40126	5 (2021)	70	2000	20	F	Fox Ln		Graylog Ln	0		Lake Dr / STH 32	0	950	133-2
5	3695	40126	5 (2021)	70	2001	20	F	Fox Ln		Lake Dr / STH 32	0		Links Way (1)	0	739	133-3
6	2220	40126	6 (2021)	70	2001	20	F	Fox Ln		Links Way (1)	0		Poplar Dr	0	370	133-3
9	4752	40126	9 (2021)	70	2010	22	F	Foxdale Ct		Foxdale Rd	0		Termini	0	528	134-1
7	4067	40126	7 (2021)	70	2002	22	F	Foxdale Rd		N Seneca Ave / W Foxdale Rd	264		Yates Rd	0	581	
9	2376	40126	9 (2021)	70	2010	22	F	Foxdale Rd		Yates Rd	0		Reynard Rd	0	264	
9	1422	40126	9 (2021)	70	2010	22	F	Foxdale Rd		Reynard Rd	0		Foxdale Ct	0	158	
9	3798	40126	9 (2021)	70	2010	22	F	Foxdale Rd		Foxdale Ct	0		Santa Monica Blvd	0	422	
9	2376	40126	9 (2021)	70	2017	24	F	Good Hope Rd W		N Seneca Ave / W Good Hope Rd	158		Crossway Rd	0	264	136-1
4	1688	40126	4 (2021)	70	1999	20	F	Goodrich Ct		Goodrich Ln	0		Termini	0	422	137-1
10	7920	40126	10 (2021)	70	2019	20	F	Goodrich Ln		Lake Dr / STH 32	0		Graylog Ln	0	792	138-2
10	5810	40126	10 (2021)	70	2018	20	F	Goodrich Ln		Graylog Ln	0		Goodrich Ct	0	581	138-2
4	2324	40126	4 (2021)	70	1999	20	F	Goodrich Ln		Goodrich Ct	0		E Goodrich Ln	0	581	138-1
4	5700	40126	4 (2021)	70	1999	20	F	Goodrich Ln		E Goodrich Ln	0		Fox Ln	0	1425	138-1
4	8448	40126	4 (2021)	70	1999	18	F	Graylog Ln		Lake Dr / STH 32	0		Bywater Ln	0	2112	139-1
4	4648	40126	4 (2021)	70	1999	18	F	Graylog Ln		Bywater Ln	0		Fox Ln	0	1162	139-1
4	2324	40126	4 (2021)	70	1999	18	F	Graylog Ln		Fox Ln	0		Winkler Ln	0	581	139-1
7	2590	40126	7 (2021)	70	1999	18	F	Graylog Ln		Winkler Ln	0		Goodrich Ln	0	370	139-1
7	4802	40126	7 (2021)	70	2012	24	F	Green Tree Rd		W Green Tree Rd / N Seneca Ave	264		Yates Rd	0	686	140-2/3/4
7	7021	40126	7 (2021)	70	2012	24	F	Green Tree Rd		Yates Rd	0		Santa Monica Blvd	0	1003	140-2/3/4
8	2960	40126	8 (2021)	70	2012	24	F	Green Tree Rd		Santa Monica Blvd	0		Lake Dr / STH 32	0	370	140-2/3/4
5	1850	40126	5 (2021)	70	1999	22	F	Green Tree Rd		Lake Dr / STH 32	0		Belmont Ln	0	370	140-1
5	2110	40126	5 (2021)	70	1999	22	F	Green Tree Rd		Belmont Ln	0		Barnett Ln	0	422	140-1
5	4225	40126	5 (2021)	70	2003	20	F	Greenvale Rd		Spooner Rd	0		Dean Rd	0	845	141-1/2
6	1266	40126	6 (2021)	70	2003	20	F	Greenvale Rd		Dean Rd	0		E Buttles Pl / N Greenvale Rd	0	211	141-1/2

NOTE: If Previous Pavement Rating and Year column blank, previous submitted rating incompatible with surface type OR no rating data available.

New Rating		County - Municipal Code	Current Pavement Rating and Year	Surface			Units (F = Feet/ M = Miles)	On Route	At Route			Toward Route			Segment Length	Local ID (Optional Field)
Pavement Rating	Rating Year			Type	Year	Width		Name (Includes prefix, name, type, suffix and extention)	At Municipal Location	Name (Includes prefix, name, type, suffix and extention)	At Offset	Toward Municipal Location	Name (Includes prefix, name, type, suffix and extention)	Toward Offset (Optional Field)		
6	5388	40126	6 (2021)	70	2004	20	F	Holly Ct		Lake Dr / STH 32	0		Termini	0	898	142-1
4	1480	40126	4 (2021)	70	1998	20	F	Hyde Way		Boyd Way	0		Links Way (1)	0	370	143-1
4	1688	40126	4 (2021)	70	1998	20	F	Hyde Way		Links Way (1)	0		Lake Dr / STH 32	0	422	143-1
7	5915	40126	7 (2021)	70	2002	22	F	Indian Creek Ct		Indian Creek Pkwy	0		Termini	0	845	144-1
7	7763	40126	7 (2021)	70	2002	24	F	Indian Creek Pkwy		CTH W / Port Washington Rd	0		Nokomis Ct	0	1109	145-2/3/4
7	4802	40126	7 (2021)	70	2002	24	F	Indian Creek Pkwy		Nokomis Ct	0		Dean Rd	0	686	145-2/3/4
7	2954	40126	7 (2021)	70	2016	24	F	Indian Creek Pkwy		Dean Rd	0		Indian Creek Ct	0	422	145-2/3/4
7	2219	40126	7 (2021)	70	2016	24	F	Indian Creek Pkwy		Indian Creek Ct	0		Seneca Rd	0	317	145-2/3/4
7	2219	40126	7 (2021)	70	2016	24	F	Indian Creek Pkwy		Seneca Rd	0		Regent Rd	0	317	145-2/3/4
7	2954	40126	7 (2021)	70	2016	24	F	Indian Creek Pkwy		Regent Rd	0		North Point Dr / N Point Dr	0	422	145-2/3/4
7	2590	40126	7 (2021)	70	2016	24	F	Indian Creek Pkwy		North Point Dr / N Point Dr	0		Manor Ln	0	370	145-2/3/4
10	1200	40126	10 (2021)	70	2016	24	F	Indian Creek Pkwy		Manor Ln	0		Dean Rd / Santa Monica Blvd	0	120	
7	3598	40126	7 (2021)	70	2016	24	F	Indian Creek Pkwy		Manor Ln	120		Dean Rd / Santa Monica Blvd	0	514	
7	3696	40126	7 (2021)	70	2004	22	F	Iroquois Rd		Termini	0		N Iroquois Ave / Mall Rd / Iroquois	0	528	146-1
7	3325	40126	7 (2021)	70	2009	18	F	Juniper Ln		Lake Dr / STH 32	0		Termini	0	475	147-1
6	5700	40126	6 (2021)	70	2004	18	F	Lake Dr Service Dr		Lake Dr / STH 32	0		Belmont Ln / Lake Dr / STH 32	0	950	
10	11620	40126	10 (2021)	70	2018	18	F	Lilac Ln		Lake Dr / STH 32	0		Club Cir / E Lilac Ln	0	1162	149-1
5	7390	40126	5 (2021)	70	1995	20	F	Links Cir		Lake Dr / STH 32	0		Lake Dr / STH 32	0	1478	
5	3430	40126	5 (2021)	70	1998	20	F	Links Way (1)		Portage Rd	0		Calumet Rd	0	686	151-1/2
5	5810	40126	5 (2021)	70	1998	20	F	Links Way (1)		Calumet Rd	0		Hyde Way	0	1162	151-1/2
4	4012	40126	4 (2021)	70	2001	18	F	Links Way (1)		Bradley Rd	0		Fox Ln	0	1003	151-3
5	1850	40126	5 (2021)	70	2001	18	F	Links Way (1)		Fox Ln	0		Churchill Ln	0	370	151-3
5	1160	40126	5 (2021)	70	2001	18	F	Links Way (1)		Churchill Ln	0		Spooner Rd	0	232	151-4/5
5	1480	40126	5 (2021)	70	2003	18	F	Links Way (1)		Churchill Ln	232		Spooner Rd	0	296	151-4/5
5	530	40126	5 (2021)	70	2003	18	F	Links Way (1)		Spooner Rd	0		Links Way (2)	0	106	151-4/5
5	1055	40126	5 (2021)	70	2003	18	F	Links Way (1)		Links Way (2)	0		Dean Rd	0	211	151-4/5
5	1055	40126	5 (2021)	70	2003	18	F	Links Way (1)		Dean Rd	0		E Buttles Pl / N Fielding Rd	0	211	151-4/5
5	790	40126	5 (2021)	70	2003	18	F	Links Way (2)		Links Way (1)	0		Spooner Rd	0	158	
7	2219	40126	7 (2021)	70	2001	20	F	Lombardy Ct		Lombardy Rd	0		Termini	0	317	152-1
6	1266	40126	6 (2021)	70	2001	22	F	Lombardy Rd		Santa Monica Blvd	0		Lombardy Ct	0	211	
6	4434	40126	6 (2021)	70	2001	22	F	Lombardy Rd		Lombardy Ct	0		Yates Rd	0	739	
7	7763	40126	7 (2021)	70	2001	22	F	Lombardy Rd		Yates Rd	0		Mall Rd	0	1109	
7	8498	40126	7 (2021)	70	2001	22	F	Lombardy Rd		Mall Rd	0		Bell Rd	0	1214	
6	318	40126	6 (2021)	70	2001	22	F	Lombardy Rd		Bell Rd	0		Santa Monica Blvd	0	53	
6	5070	40126	6 (2021)	65	2001	22	F	Lombardy Rd		Bell Rd	53		Santa Monica Blvd	0	845	
6	4116	40126	6 (2021)	70	1994	20	F	Longacre Rd		Santa Monica Blvd	0		Yates Rd	0	686	

NOTE: If Previous Pavement Rating and Year column blank, previous submitted rating incompatible with surface type OR no rating data available.

New Rating		County - Municipal Code	Current Pavement Rating and Year	Surface			Units (F = Feet/ M = Miles)	On Route	At Route			Toward Route			Segment Length	Local ID (Optional Field)
Pavement Rating	Rating Year			Type	Year	Width		Name (Includes prefix, name, type, suffix and extention)	At Municipal Location	Name (Includes prefix, name, type, suffix and extention)	At Offset	Toward Municipal Location	Name (Includes prefix, name, type, suffix and extention)	Toward Offset (Optional Field)		
5	3430	40126	5 (2021)	70	1996	20	F	Longacre Rd		Yates Rd	0		Community Pl	0	686	
5	3960	40126	5 (2021)	70	1996	20	F	Longacre Rd		Community Pl	0		Bell Rd	0	792	
4	2536	40126	4 (2021)	70	1996	20	F	Longacre Rd		Bell Rd	0		Santa Monica Blvd	0	634	
6	1584	40126	6 (2021)	70	2000	22	F	MacArthur Rd		Bell Rd	950		Van Dyke Rd	0	264	158-1
6	1902	40126	6 (2021)	70	2000	22	F	MacArthur Rd		Van Dyke Rd	0		Regent Rd	0	317	158-1
6	2220	40126	6 (2021)	70	2000	22	F	MacArthur Rd		Regent Rd	0		Santa Monica Blvd	0	370	158-1
6	954	40126	6 (2021)	70	2008	22	F	Mall Rd		N Seneca Ave / Seneca Rd / Mall	211		Crossway Rd	0	159	155-1
8	3376	40126	8 (2021)	70	2008	22	F	Mall Rd		Crossway Rd	0		Lombardy Rd	0	422	155-1
8	4648	40126	8 (2021)	70	2008	22	F	Manor Ct		Manor Ln	0		Termini	0	581	156-1
8	11824	40126	8 (2021)	70	2008	22	F	Manor Ln		Indian Creek Pkwy	0		Manor Ct	0	1478	157-1
8	2112	40126	8 (2021)	70	2008	22	F	Manor Ln		Manor Ct	0		North Point Dr / N Point Dr	0	264	157-1
7	8134	40126	7 (2021)	70	2001	21	F	Mohawk Rd N		Mall Rd / N Mohawk Ave / N Moh	158		Bayfield Rd	0	1162	160-1
7	4438	40126	7 (2021)	70	2001	21	F	Mohawk Rd N		Bayfield Rd	0		Calumet Rd	0	634	160-1
7	7763	40126	7 (2021)	70	1997	22	F	Mohawk Rd N		Dunwood Rd	0		Black Hawk Rd	0	1109	
7	2772	40126	7 (2021)	70	1997	22	F	Mohawk Rd N		Black Hawk Rd	0		Bradley Rd	0	396	
7	4802	40126	7 (2021)	70	2007	22	F	Mohawk Rd N		Bradley Rd	0		Willow Rd	0	686	
7	3696	40126	7 (2021)	70	2006	22	F	Mohawk Rd N		Willow Rd	0		Cherokee Cir	0	528	
7	2954	40126	7 (2021)	70	2006	22	F	Mohawk Rd N		Cherokee Cir	0		Termini	0	422	
10	17950	40126	10 (2021)	70	2017	20	F	Navajo Rd		Mall Rd / N Navajo Ave / Navajo R	159		Calumet Rd	0	1795	161-1
6	4116	40126	6 (2021)	70	2000	20	F	Navajo Rd		Bradley Rd	0		Willow Rd	0	686	161-2
6	3486	40126	6 (2021)	70	2000	20	F	Navajo Rd		Willow Rd	0		Cherokee Cir	0	581	161-2
7	4802	40126	7 (2021)	70	2002	21	F	Nokomis Ct		Indian Creek Pkwy	0		Termini	0	686	191-1
7	9982	40126	7 (2021)	70	1998	22	F	N Point Dr		Indian Creek Pkwy	0		Manor Ln	0	1426	162-1
7	5173	40126	7 (2021)	70	1998	22	F	N Point Dr		Manor Ln	0		Regent Rd	0	739	162-1
10	7920	40126	10 (2021)	70	2018	20	F	Poplar Dr		Dean Rd	0		Spooner Rd	0	792	163-1
10	8450	40126	10 (2021)	70	2018	20	F	Poplar Dr		Spooner Rd	0		Fox Ln	0	845	163-1
10	10030	40126	10 (2021)	70	2018	20	F	Poplar Dr		Fox Ln	0		Bradley Rd	0	1003	163-1
7	4802	40126	7 (2021)	70	2001	18	F	Port Washington Ct		Dunwood Rd	0		CTH W / Port Washington Rd	0	686	164-2
6	1902	40126	6 (2021)	70	1999	20	F	Portage Rd		Boyd Way	0		Links Way (1)	0	317	166-1
5	1055	40126	5 (2021)	70	1999	20	F	Portage Rd		Links Way (1)	0		Lake Dr / STH 32	0	211	166-1
5	2640	40126	5 (2021)	70	2001	18	F	Quarles Pl		Termini	0		Lake Dr / STH 32	0	528	167-1
10	7920	40126	10 (2021)	70	2002	18	F	Regent Ct (1)		Regent Rd	0		Regent Rd	0	792	
10	7390	40126	10 (2021)	70	2002	18	F	Regent Ct (2)		Regent Rd	0		Regent Rd	0	739	
10	7390	40126	10 (2021)	70	2002	18	F	Regent Ct (3)		Regent Rd	0		Regent Rd	0	739	
6	1266	40126	6 (2021)	70	2000	20	F	Regent Ct N		Regent Rd	0		Termini	0	211	168-2
7	3696	40126	7 (2021)	70	1968	20	F	Regent Ct S		Regent Rd	0		Termini	0	528	168-1

NOTE: If Previous Pavement Rating and Year column blank, previous submitted rating incompatible with surface type OR no rating data available.

New Rating		County - Municipal Code	Current Pavement Rating and Year	Surface			Units (F = Feet/ M = Miles)	On Route	At Route			Toward Route			Segment Length	Local ID (Optional Field)
Pavement Rating	Rating Year			Type	Year	Width		Name (Includes prefix, name, type, suffix and extention)	At Municipal Location	Name (Includes prefix, name, type, suffix and extention)	At Offset	Toward Municipal Location	Name (Includes prefix, name, type, suffix and extention)	Toward Offset (Optional Field)		
5	5015	40126	5 (2021)	70	1990	24	F	Regent Rd		Calumet Rd	0		MacArthur Rd	0	1003	170-1
5	4750	40126	5 (2021)	70	1990	24	F	Regent Rd		MacArthur Rd	0		Regent Ct S	0	950	170-1
5	2375	40126	5 (2021)	70	1990	24	F	Regent Rd		Regent Ct S	0		Fairchild Rd	0	475	170-1
5	2375	40126	5 (2021)	70	1990	24	F	Regent Rd		Fairchild Rd	0		Bradley Rd	0	475	170-1
10	4220	40126	10 (2021)	70	1989	24	F	Regent Rd		Bradley Rd	0		Regent Ct (3)	0	422	170-2
10	1060	40126	10 (2021)	70	1989	24	F	Regent Rd		Regent Ct (3)	0		Regent Ct (3)	0	106	170-2
10	3700	40126	10 (2021)	70	2013	24	F	Regent Rd		Regent Ct (3)	0		Willow Rd	0	370	170-2
10	3700	40126	10 (2021)	70	1989	24	F	Regent Rd		Willow Rd	0		Regent Ct (2)	0	370	170-2
10	530	40126	10 (2021)	70	1989	24	F	Regent Rd		Regent Ct (2)	0		Regent Ct (2)	0	53	170-2
10	4750	40126	10 (2021)	70	1989	24	F	Regent Rd		Regent Ct (2)	0		Spooner Rd	0	475	170-2
10	3700	40126	10 (2021)	70	1989	24	F	Regent Rd		Spooner Rd	0		Regent Ct (1)	0	370	170-2
10	1060	40126	10 (2021)	70	1989	24	F	Regent Rd		Regent Ct (1)	0		Regent Ct (1)	0	106	170-2
10	3700	40126	10 (2021)	70	1989	24	F	Regent Rd		Regent Ct (1)	0		Dean Rd	0	370	170-2
6	3168	40126	6 (2021)	70	2000	20	F	Regent Rd		Dean Rd	0		Indian Creek Pkwy	0	528	170-3
6	7602	40126	6 (2021)	70	2000	20	F	Regent Rd		Indian Creek Pkwy	0		Regent Ct N	0	1267	170-3
6	2220	40126	6 (2021)	70	2000	20	F	Regent Rd		Regent Ct N	0		North Point Dr / N Point Dr	0	370	170-3
6	1584	40126	6 (2021)	70	2000	20	F	Regent Rd		North Point Dr / N Point Dr	0		STH 32 / N Regent Rd	0	264	170-3
9	9981	40126	9 (2021)	70	2010	22	F	Reynard Rd		Santa Monica Blvd	0		Foxdale Rd	0	1109	171-1
10	8450	40126	10 (2021)	70	1992	24	F	Santa Monica Blvd		School Rd / N Santa Monica Blvd	0		Acacia Rd	0	845	
10	3170	40126	10 (2021)	70	1992	24	F	Santa Monica Blvd		Acacia Rd	0		Daphne Rd	0	317	
10	5280	40126	10 (2021)	70	2004	24	F	Santa Monica Blvd		Daphne Rd	0		Clovernook Rd	0	528	
10	1580	40126	10 (2021)	70	2004	24	F	Santa Monica Blvd		Clovernook Rd	0		Yates Rd	0	158	
3	2376	40126	3 (2021)	70	1988	36	F	Santa Monica Blvd		Yates Rd	0		Reynard Rd	0	792	
3	3009	40126	3 (2021)	70	1988	36	F	Santa Monica Blvd		Reynard Rd	0		Foxdale Rd	0	1003	
3	1902	40126	3 (2021)	70	1988	36	F	Santa Monica Blvd		Foxdale Rd	0		Green Tree Rd	0	634	
6	2850	40126	6 (2021)	70	1997	37	F	Santa Monica Blvd		Green Tree Rd	0		Lombardy Rd	0	475	172-3
6	2220	40126	6 (2021)	70	1997	37	F	Santa Monica Blvd		Lombardy Rd	0		Longacre Rd	0	370	172-3
6	3168	40126	6 (2021)	70	1997	37	F	Santa Monica Blvd		Longacre Rd	0		Yates Rd	0	528	172-3
6	3804	40126	6 (2021)	70	1997	37	F	Santa Monica Blvd		Yates Rd	0		Community PI	0	634	172-3
5	3430	40126	5 (2021)	70	1997	37	F	Santa Monica Blvd		Community PI	0		Bell Rd	0	686	172-3
6	2850	40126	6 (2021)	70	1997	37	F	Santa Monica Blvd		Bell Rd	0		Longacre Rd	0	475	172-3
6	2220	40126	6 (2021)	70	1997	37	F	Santa Monica Blvd		Longacre Rd	0		Lombardy Rd	0	370	172-3
6	2532	40126	6 (2021)	70	1997	37	F	Santa Monica Blvd		Lombardy Rd	0		Calumet Rd	0	422	172-3
6	5700	40126	6 (2021)	70	1997	37	F	Santa Monica Blvd		Calumet Rd	0		MacArthur Rd	0	950	172-4
6	7920	40126	6 (2021)	70	1999	42	F	Santa Monica Blvd		MacArthur Rd	0		Fairchild Rd	0	1320	172-5
6	2220	40126	6 (2021)	70	1999	42	F	Santa Monica Blvd		Fairchild Rd	0		Bradley Rd	0	370	172-5

NOTE: If Previous Pavement Rating and Year column blank, previous submitted rating incompatible with surface type OR no rating data available.

New Rating		County - Municipal Code	Current Pavement Rating and Year	Surface			Units (F = Feet/ M = Miles)	On Route	At Route			Toward Route			Segment Length	Local ID (Optional Field)
Pavement Rating	Rating Year			Type	Year	Width		Name (Includes prefix, name, type, suffix and extention)	At Municipal Location	Name (Includes prefix, name, type, suffix and extention)	At Offset	Toward Municipal Location	Name (Includes prefix, name, type, suffix and extention)	Toward Offset (Optional Field)		
6	2532	40126	6 (2021)	70	2000	42	F	Santa Monica Blvd		Bradley Rd	0		Santa Monica Ct (1)	0	422	172-6
6	636	40126	6 (2021)	70	2000	42	F	Santa Monica Blvd		Santa Monica Ct (1)	0		Santa Monica Ct (1)	0	106	172-6
9	3330	40126	9 (2021)	70	2013	42	F	Santa Monica Blvd		Santa Monica Ct (1)	0		Willow Rd	0	370	172-6
6	2532	40126	6 (2021)	70	2000	42	F	Santa Monica Blvd		Willow Rd	0		Santa Monica Ct (2)	0	422	172-6
6	318	40126	6 (2021)	70	2000	42	F	Santa Monica Blvd		Santa Monica Ct (2)	0		Santa Monica Ct (2)	0	53	172-6
6	2532	40126	6 (2021)	70	2000	42	F	Santa Monica Blvd		Santa Monica Ct (2)	0		Spooner Rd	0	422	172-6
6	2220	40126	6 (2021)	70	2000	42	F	Santa Monica Blvd		Spooner Rd	0		Santa Monica Ct (3)	0	370	172-6
6	636	40126	6 (2021)	70	2000	42	F	Santa Monica Blvd		Santa Monica Ct (3)	0		Santa Monica Ct (3)	0	106	172-6
6	2532	40126	6 (2021)	70	2000	42	F	Santa Monica Blvd		Santa Monica Ct (3)	0		Dean Rd / Indian Creek Pkwy	0	422	172-6
6	2532	40126	6 (2021)	70	2004	18	F	Santa Monica Ct (1)		Santa Monica Blvd	0		Santa Monica Blvd	0	422	
4	1480	40126	4 (2021)	70	2004	18	F	Santa Monica Ct (2)		Santa Monica Blvd	0		Santa Monica Blvd	0	370	
6	2220	40126	6 (2021)	70	2004	18	F	Santa Monica Ct (3)		Santa Monica Blvd	0		Santa Monica Blvd	0	370	
10	3700	40126	10 (2021)	70	2017	36	F	School Rd		Lake Dr / STH 32	0		Berkeley Blvd / N Berkeley Blvd	0	370	174-1
10	3170	40126	10 (2021)	70	2017	36	F	School Rd		Berkeley Blvd / N Berkeley Blvd	0		Santa Monica Blvd / N Santa Mon	0	317	174-1
7	1477	40126	7 (2021)	70	2002	22	F	Seneca Ct		Seneca Rd	0		Termini	0	211	175-1
9	16632	40126	9 (2021)	70	2017	20	F	Seneca Rd		Mall Rd / N Seneca Ave / Seneca	158		Calumet Rd	0	1848	176-1
6	4116	40126	6 (2021)	70	1992	19	F	Seneca Rd		Calumet Rd	0		Dunwood Rd	0	686	176-2
6	2220	40126	6 (2021)	70	1992	19	F	Seneca Rd		Dunwood Rd	0		Fairchild Rd	0	370	176-2
5	3695	40126	5 (2021)	70	2000	18	F	Seneca Rd		Bradley Rd	0		Willow Rd	0	739	176-3
5	3170	40126	5 (2021)	70	2000	18	F	Seneca Rd		Willow Rd	0		Cherokee Cir	0	634	176-3
7	3325	40126	7 (2021)	70	2002	24	F	Seneca Rd		Indian Creek Pkwy	0		Bergen Dr	0	475	176-4
7	3325	40126	7 (2021)	70	2002	24	F	Seneca Rd		Bergen Dr	0		Suburban Dr	0	475	176-4
7	5173	40126	7 (2021)	70	2002	24	F	Seneca Rd		Suburban Dr	0		Seneca Ct	0	739	176-4
7	2583	40126	7 (2021)	70	2002	24	F	Seneca Rd		Seneca Ct	0		STH 32 / N Seneca Rd	0	369	176-4
6	3168	40126	6 (2021)	70	1994	21	F	Spooner Rd		Termini	0		Cherokee Cir	0	528	177-3
6	1266	40126	6 (2021)	70	1994	21	F	Spooner Rd		Cherokee Cir	0		Regent Rd	0	211	177-3
5	2110	40126	5 (2021)	70	2001	21	F	Spooner Rd		Regent Rd	0		Whitney Rd	0	422	177-2
6	3486	40126	6 (2021)	70	2001	21	F	Spooner Rd		Whitney Rd	0		Santa Monica Blvd	0	581	177-2
5	1585	40126	5 (2021)	70	2003	20	F	Spooner Rd		Poplar Dr	0		Greenvale Rd	0	317	177-1
5	790	40126	5 (2021)	70	2003	20	F	Spooner Rd		Greenvale Rd	0		Links Way (1)	0	158	177-1
5	1320	40126	5 (2021)	70	2003	20	F	Spooner Rd		Links Way (1)	0		Links Way (1)	0	264	177-1
5	1055	40126	5 (2021)	70	2003	20	F	Spooner Rd		Links Way (1)	0		Links Way (2)	0	211	177-1
5	1055	40126	5 (2021)	70	2003	20	F	Spooner Rd		Links Way (2)	0		Lake Dr / STH 32	0	211	177-1
7	2219	40126	7 (2021)	70	2001	22	F	Suburban Ct		Suburban Dr	0		Termini	0	317	178-1
7	7392	40126	7 (2021)	70	2001	22	F	Suburban Dr		Seneca Rd	0		Suburban Ct	0	1056	179-1
7	1477	40126	7 (2021)	70	2001	22	F	Suburban Dr		Suburban Ct	0		Termini	0	211	179-1

NOTE: If Previous Pavement Rating and Year column blank, previous submitted rating incompatible with surface type OR no rating data available.

New Rating		County - Municipal Code	Current Pavement Rating and Year	Surface			Units (F = Feet/ M = Miles)	On Route	At Route			Toward Route			Segment Length	Local ID (Optional Field)
Pavement Rating	Rating Year			Type	Year	Width		Name (Includes prefix, name, type, suffix and extention)	At Municipal Location	Name (Includes prefix, name, type, suffix and extention)	At Offset	Toward Municipal Location	Name (Includes prefix, name, type, suffix and extention)	Toward Offset (Optional Field)		
4	4148	40126	4 (2021)	70	2003	18	F	Thorn Ln		Lake Dr / STH 32	0		E Thorn Ln	0	1037	
4	708	40126	4 (2021)	70	2003	18	F	Thorn Ln		E Thorn Ln	0		Termini	0	177	
6	3168	40126	6 (2021)	70	2000	22	F	Van Dyke Rd		MacArthur Rd	0		Termini	0	528	181-1
10	3700	40126	10 (2021)	70	1999	18	F	View Pl		Lake Dr / STH 32	0		Barnett Ln	0	370	182-1
8	6760	40126	8 (2021)	70	2013	20	F	Whitney Rd		Dean Rd	0		Spooner Rd	0	845	183-1
8	7184	40126	8 (2021)	70	2013	20	F	Whitney Rd		Spooner Rd	0		Willow Rd	0	898	183-1
8	7184	40126	8 (2021)	70	2013	20	F	Whitney Rd		Willow Rd	0		Bradley Rd	0	898	183-1
6	1902	40126	6 (2021)	70	2000	24	F	Willow Rd		Mohawk Rd N	0		Navajo Rd	0	317	184-1
6	1902	40126	6 (2021)	70	2000	24	F	Willow Rd		Navajo Rd	0		Seneca Rd	0	317	184-1
6	4434	40126	6 (2021)	70	2000	24	F	Willow Rd		Seneca Rd	0		Regent Rd	0	739	184-1
8	2536	40126	8 (2021)	70	2013	24	F	Willow Rd		Regent Rd	0		Whitney Rd	0	317	184-1
9	5706	40126	9 (2021)	70	2013	24	F	Willow Rd		Whitney Rd	0		Santa Monica Blvd	0	634	184-1
5	2375	40126	5 (2021)	70	1999	18	F	Winkler Ln		Graylog Ln	0		Termini	0	475	185-1
2	1900	40126	2 (2021)	70	2004	18	F	Wye Ln		Lake Dr / STH 32	0		Termini	0	950	186-1
3	4752	40126	3 (2021)	70	1994	24	F	Yates Rd		Santa Monica Blvd	0		Foxdale Rd	0	1584	
3	159	40126	3 (2021)	70	1994	24	F	Yates Rd		Foxdale Rd	0		Foxdale Rd	0	53	
3	1584	40126	3 (2021)	70	1994	24	F	Yates Rd		Foxdale Rd	0		Green Tree Rd	0	528	
5	2110	40126	5 (2021)	70	1994	24	F	Yates Rd		Green Tree Rd	0		Clair Ct / Crossway Rd / Fairchild	0	422	
5	2375	40126	5 (2021)	70	1994	24	F	Yates Rd		Clair Ct / Crossway Rd / Fairchild	0		Lombardy Rd	0	475	
5	2640	40126	5 (2021)	70	1994	24	F	Yates Rd		Lombardy Rd	0		Longacre Rd	0	528	
5	1850	40126	5 (2021)	70	1994	24	F	Yates Rd		Longacre Rd	0		Santa Monica Blvd	0	370	
1996	1164403														182772	
6.460	6.371														34.615909	

NOTE: If Previous Pavement Rating and Year column blank, previous submitted rating incompatible with surface type OR no rating data available.



VILLAGE OF FOX POINT

MILWAUKEE COUNTY
WISCONSIN

VILLAGE HALL
7200 N. SANTA MONICA BLVD.
FOX POINT 53217-3505
414-351-8900
FAX 414-351-8909

To: Village of Fox Point Village Board
From: Scott Brandmeier, Director of Public Works
Through: Scott Botcher, Village Manager
Date: January 4, 2022
Re: Summary of Change Order Policies

At the November 2021 Village Board meeting, a question arose regarding the approval of change orders in the field due to changed field conditions and unforeseen circumstances on construction projects. Shortly after the meeting, communities within the metro Milwaukee area were polled to determine how they handled these situations. A total of 18 communities were polled: Brown Deer, Brookfield, Cudahy, Franklin, Germantown, Glendale, Greenfield, Hales Corners, Mequon, St. Francis, Muskego, Oak Creek, River Hills, Wauwatosa, West Allis, Shorewood, and Whitefish Bay as well as Ashland in Northern Wisconsin. Each of the communities provided their policies which are summarized below.

Municipality	Policy
Ashland	Contracts are approved with contingencies to account for the fact that when changed conditions are encountered the project may proceed. Change orders under \$25,000 may be approved by the City Administrator; over \$25,000 require approval by the City Council (usually after the fact)
Brookfield	Staff reviews and approves change orders as soon as possible to avoid delays in construction. Change orders as a result of changed conditions between \$10,000 and \$50,000 require department head approval (with discretion by the department head to inform the Finance Director and/or Mayor depending on reason for or amount of the change order). Over \$50,000 requires common council approval. For unit price bid items, Engineering staff approves increases/decreases in quantities. Common Council approval is required if this value exceeds \$50,000. All of this is subject to the budgeted amount for the project. Anything that will cause the contract to exceed the budget requires approval by the Department Head, Finance Director, and Mayor if funds are available from another project in the same funding category. Otherwise, if additional funds are needed from elsewhere (e.g., reserves), then Common Council approval is required.

Brown Deer	Change orders are handled as they arise on a project in the field. When the contract is approved by the Village Board, staff recommends approving the budgeted amount (not the bid amount) with the understanding that the balance between the bid price and the budgeted amount will be used for change orders for unforeseen conditions. If the change order is significant or involves a change in scope and a need to increase the overall project budget, approval is sought from the Village Board.
Cudahy	The Engineering Department's Inspector and Project Manager handle changed field conditions with increases/decreases in existing contract bid items with the contractor. If the work involves additional items requiring a change order, the Director of Public Works/City Engineer, Project Manager, and contractor agree on unit prices. This process allows the contractor the ability to continue to work with little to no delays to the project. If the change order is very significant in price or incorporates a major change to the scope of the project, the Board of Public Works and Common Council approval is sought (but is very uncommon).
Franklin	No formal policy but the change order is taken to the common council as soon as practical.
Germantown	Upon award of the contract (after bidding), the Village approves a ten percent (10%) contingency on all public works projects and allows staff to approve work within that contingency amount. For instance, on a \$2,000,000 contract, staff is authorized to spend an additional \$200,000 on project related expenses. In cases where change orders arise, the formal paperwork is prepared and submitted for signature and their public works committee is informed of the change at the next meeting. For change orders that exceed the contract amount (the bid plus 10% contingency), staff will obtain the approval of the public works committee and Village Board.
Glendale	Change orders are handled in the field at the staff level with the director of public works approving changes but informing the City Administrator and then obtaining approval after the fact.
Greenfield	Change orders are handled at the staff level with the project engineer, city engineer and director of public works.
Hales Corners	Director/Village Engineer handles the change orders in the field and provides a report to the Village Board at the next meeting. Larger amounts (e.g., in excess of \$50,000) that do not affect the project schedule are taken to the Village Board for approval.
Mequon	Have approved change orders in the field and submitted to the council after the fact but they sought more oversight and now approve contracts with contingencies as the council recognizes that there is the potential for field changes during construction. The following thresholds for approval of contracts are used: (a) under \$5,000

	requires department head approval, (b) between \$5,000 and \$10,000 requires department head and finance director approval, (c) between \$10,000 and \$25,000 requires department head, finance director and city administrator approval, and (d) over \$25,000 requires department head, finance director, city administrator and council action, including applicable committee/board/commission recommendation/action.
Muskego	Approve change orders as soon as possible to avoid delays in construction. Change orders under \$10,000 require department head approval; between \$10,000 and \$25,000 require department head and finance and administrative director approval; between \$25,000 and \$50,000 require department head, finance and administrative director and mayor approval; and over \$50,000 require common council approval (with the exception that \$50,000 or up to 10 percent of the budgeted construction project (whichever is greater) can be approved by the department head, finance and administrative director and mayor.
Oak Creek	Engineering Department handles changed field conditions with increases/decreases in existing contract bid items or through change orders if the extra work requires new bid items. Negotiation and approvals of change orders during construction are approved upon agreement of unit prices and estimated quantities between staff and the contractor which allows the contractor the ability to continue to work with little to no delays in the work. If the change order is very significant or incorporates a major change, Common Council approval is sought (but is very uncommon).
River Hills	The Village Engineer (contracted) will address the changed conditions, approve the work, and then submit the change order to the Village Manager for approval by the Board after the fact.
Shorewood	If immediate action is required, the inspector, Director and or Assistant Director can approve the change order with Village Manager approval/concurrence then is presented to the Village Board after the fact. If timing is not a factor and the change order represents a significant change in the scope or intent of the project or if it is greater than \$10,000 in value it is scheduled for Village Board consideration (though their board meets twice a month). A balancing change order is typically issued upon completion of larger projects.
St. Francis	The Director/Engineer approves changes in the field as the conditions arise. If the change order amount is small, there is no formal change order; for larger amounts, a quote is obtained and e-mail approvals are provided. If over \$10,000, staff will go back to the common council after the fact to obtain formal approval but will let the City Administrator know of the amount of the change order before proceeding.

Wauwatosa	Staff is authorized to issue change orders administratively up to \$25,000 or 15 percent of the project's awarded cost, whichever is less (if the budget allows for the increase). Over those amounts or over budget, staff has to obtain approval from the Board of Public Works. They are allowed to increase the project budget administratively if a different project in the same category is under budget if the Finance Director approves. If a true emergency arises, the City Administrator and Finance Director have the authority to expend funds outside of those thresholds.
West Allis	West Allis Engineering Department staff handles all changed field conditions with increases or decreases in existing contract bid items or through change orders if the extra work requires new bid items. Negotiation and approvals of change orders during construction are approved by Engineering staff after agreement with the contractor on unit prices and estimated quantities which allows the contractor the ability to continue to work with little to no delays in the work. If the change order requires the project to go over budget, then Common Council approval is needed; however, this is very uncommon since they over estimate their projects with contingencies. Council approval is usually not obtained until the end of the year when the total Capital Improvement Program budget is evaluated. Staff is usually able to shift funds between projects so that overall they do not go over budget in the Capital Improvement Program.
Whitefish Bay	Typically processed by DPW staff as the changes arise on a project. They will issue a balancing change order at the end of a project (when quantities are less but other work is added).

In doing the research, the following conclusions can be reasonably drawn:

1. The municipalities polled for this research handle change orders and changed conditions in the field so as to ensure continuity of the project and to eliminate downtime and increased costs (if approvals were required prior to proceeding).
2. Staff typically inform the Village Manager/City Administrator of the change order/changed conditions prior to proceeding.
3. Approval thresholds (after the work is already completed) vary depending on the municipality with the lowest threshold being \$10,000 and the largest being \$50,000. In many cases, the Manager/Administrator is able approve the change order if budgeted funds are available without having to go back to the Village Board/Common Council for subsequent approval.

The general policy for public works projects has been that we approve the projects in the field and obtain approval of the change order after the fact – regardless of the dollar amount of the change order. Staff works with our consultants and the contractors to ensure that the work is necessary, the quantities are appropriate and the unit price is reasonable prior to authorizing the additional work. Staff also informs the Village Manager of the changed conditions and change order amount so that the Manager is aware of the changed conditions.

Based on the results of the research, it appears that Fox Point's policy is far more restrictive than the vast majority of the communities.

To that end, it is suggested that our policy be updated as follows:

- A. Continue to allow staff to approve change orders in the field. Currently, the Director of Public Works is allowed to authorize changes of \$1,500 or less but it is suggested that this amount be increased to \$10,000 as long as the Village Manager is informed of the change order.
- B. Increase the approval threshold for the Village Manager which is currently \$7,500. An appropriate approval threshold may be \$50,000 or 10% of the contract value, whichever is less (so, for instance, in the case of a \$300,000 contract, the Village Manager could approve a \$30,000 change order) without having to obtain Village Board approval. If approved, this would require a modification to Charter Ordinance No. 8.
- C. Approve projects for the budgeted amount in order to allow for flexibility in the approval of change orders as noted in A and B.
- D. Provide a report of change orders and changed conditions to the Village Board at a subsequent meeting.