



Meeting Items

- A. Call to Order
- B. Pledge of Allegiance
- C. Approve Order of Agenda
- D. Approval of Minutes – April 4, 2022 (Pages 3-4)
- E. Building Permits (Pages 5-8)

Consent Agenda - Approve the Following:

- a. Bills (Pages 9-17)
- b. Resolution to approve addition of antennas for commercial wireless telecommunication on existing tower at 4331 81 St S, Mapleton Township, ND (Pages 18-42)
- c. Site Plan Review for addition in CO-I: Interstate Corridor Overlay District at 750 23rd Avenue East (Pages 43-49)
- d. Corridor Overlay District Site and Building Plan Review for Office Space at 793 32nd Ave W (Pages 50-54)
- e. Improvement District No. 1337 (Wilds 21st Addition – Phase 2) (Pages 55-63)
 - Approve Plans and Authorize Bid Advertisement
- f. Improvement District No. 2264 (Veterans Blvd and 37th Ave E Signal Light) (Pages 64-68)
 - Approve Memorandum of Understanding with City of Fargo
- g. Season Shutdown for Engineering Permits to be lifted (Pages 69-71)
 - Approve Season Shut down to be lifted
- h. Financial Dashboard as of March 31, 2022 (Pages 72-73)
- i. Review and Approval of the Proposed 2023-2024 Service Agreement from Centre, Inc (Pages 74-77)
- j. 2022 Mosquito Control Agreement with Cass County (Pages 78-79)
- k. Site Authorization for West Fargo Baseball Inc. Games to be conducted: Bingo, Pull Tab Dispensing Device and Electronic Pull Tab Device from 7/1/2022 to 6/30/2023 at Boston's Pizza Restaurant and Sports Bar at 1640 13th Ave E (Pages 80-81)
- l. Site Authorization for West Fargo Baseball Inc. Games to be conducted: Bingo, Pull Tab Dispensing Device, Electronic Pull Tab Device, and Twenty-One from 7/1/2022 to 6/30/2023 at Barcode at 835 23rd Ave E (Pages 82-83)
- m. Gaming Site Authorization for Arthur W. Jones Post 7564 VFW of the US Inc. Games to be conducted: Bingo, Raffles, Pull Tab Jar, Electronic Pull Tab Device, Seal Board, Prize Board, Sports Pools, Twenty-One, Poker, and Paddlewheels with Tickets at Arthur W. Jones Post 7564 VFW at 444 Sheyenne St (Page 84)

Regular Agenda

- 1A. Franchise Agreement Request Readitech - Kent Schimke, DRN ReadiTech CEO/GM and Dustin Maier, ReadiTech Engineering Manager (AMENDMENT TO THE AGENDA)
1. Request for Order of a Ladder Truck for 2024 Delivery - Dan Fuller, Fire Chief (Pages 85-105)
2. Review of the Masonry Contracts for the West Fargo Fire Department Building - Dan Fuller, Fire Chief (Pages 106)
3. 2021 West Fargo Police Department Annual Report - Denis Otterness, Police Chief (Pages 107-142)
4. Public Safety Sales Tax - Bernie Dardis, Commission President
5. Project No. 2263 (9th St and 10th Ave E Signal Light) - Dustin Scott, City Engineer (Pages 143-150)
 - Approve Engineer's Report and Authorize Plans
6. Improvement District No. 2265 (9th ST NE- Main Ave to 12th Ave NE) - Dustin Scott, City Engineer (Pages 151-167)
 - Review RFP results and Approve Task Order 3 with Houston Engineering
7. Request for Economic Development Sales Tax Funds to Purchase POW/MIA Plaza and The Downtown Yards on Sheyenne Holiday Décor - Melissa Richard, Communication Director (Pages 168-175)
8. City Administrator's Report - Tina Fisk, City Administrator
9. Correspondence
10. Non-Agenda Items
11. Adjourn



West Fargo City Commission Meeting
Monday, April 4, 2022
Commission Chambers 5:30 PM

The West Fargo City Commission met on Monday, April 4, 2022, at 5:30 pm. Those present were Commissioners Bernie Dardis, Brad Olson Mark Simmons, and Mandy George. Commissioner Eric Gjerdevig was absent. President of the Board Bernie Dardis called the meeting to order at 5:30 PM.

The Pledge of Allegiance was recited.

Commissioner Olson moved and Commissioner George seconded to approve the order of the agenda as distributed. No opposition. Motion carried.

Commissioner George moved and Commissioner Simmons seconded to approve the minutes of March 21, 2022 as distributed. No opposition. Motion carried.

Commissioner Olson moved and Commissioner Simmons seconded to approve the Building Permit Reports as distributed. No opposition. Motion carried.

Commissioner Simmons moved and Commissioner Olson seconded to approve the following items from the Consent Agenda:

- a. Bills (Pages 8-16)
- b. Gaming Site Authorization for Horse Race North Dakota. Games to be conducted: Raffles and Poker from 4/15/2022 to 4/17/2022 at DoubleTree by Hilton at 825 S Beaton Dr (Pages 17-18)
- c. 2021 Right-of-Way Permits Deemed Open and Awaiting Restoration (Pages 19-30)
 - Approve draft contractor letter with attached location list to be sent to permittees with open permits

No opposition. Motion carried.

Aaron Nelson, Planning and Zoning Director appeared before the Commission for approval of the Annual Review and Reapproval of Neighborhood Revitalization Program. Gate City Bank came forward with details of the program and to answer any questions the Commission may have. Following discussion, Commissioner Simmons moved and Commissioner George seconded to approve the Annual Review and Reapproval of Neighborhood Revitalization Program. No opposition. Motion carried.

Aaron Nelson, Planning and Zoning Director appeared before the Commission for a Public Hearing and approval of the 5-Year PILOT Incentive for Paisley & Dash LLC. Following discussion, Commissioner George moved and Commissioner Simmons seconded to approve the 5-Year PILOT Incentive for Paisley & Dash LLC. No opposition. Motion carried.

Dan Fuller, Fire Chief appeared before the Commission to present the City of West Fargo Fire Department 2021 Annual Report. No action was taken.

Andrew Wrucke, Assistant City Engineer appeared before the Commission for approval of the Traffic Signal Upgrades (Citywide) Approve purchase of Equipment. Following discussion, Commissioner Simmons moved and Commissioner Olson seconded to approve the Traffic Signal Upgrades (Citywide) Approve purchase of Equipment. No opposition. Motion carried.



West Fargo City Commission Meeting
Monday, April 4, 2022
Commission Chambers 5:30 PM

Sarah Wear, Assistant City Attorney appeared before the Commission for approval of the Resolution Authorizing the Issuance of Public Safety Annual Appropriation Bonds (Fire Department Headquarters), Series 2022 (Parameters Resolution). Following discussion, Commissioner Olson moved and Commissioner Simmons seconded to approve the Resolution Authorizing the Issuance of Public Safety Annual Appropriation Bonds (Fire Department Headquarters), Series 2022 (Parameters Resolution). No opposition. Motion carried.

Tina Fisk, City Administrator appeared before the Commission for an update in regards to the Forestry ordinance revision request. Collin Stangeland came forward to speak on the item as he had originally brought it forward to the Commission. Following discussion, Commissioner Olson moved and Commissioner George seconded to keep the City Forestry ordinance as is, with no changes. No opposition. Motion carried.

Tina Fisk, City Administrator appeared before the Commission to request approval of the Contracts for Fire Headquarters Building, contingent on our City Attorney's review and approval. Following discussion, Commissioner Simmons moved and Commissioner Olson seconded to approve the Contracts for Fire Headquarters Building, contingent on our City Attorney's review and approval. No opposition. Motion carried.

Tina Fisk, City Administrator City Administrator Report:

- a. Board of Equalization - Tuesday, April 12 at 5:30 PM in the West Fargo Commission Chambers
- b. Staff met to review the Public Informational meeting in relation to the Capital Improvement Project. There will be a brief presentation with a panel of staff on: Tuesday, April 26, 2022 from 12:00 PM to 1:00 PM and Tuesday, April 26, 2022 from 6:30 PM to 7:30PM
- c. Some City TIF District's debts have been paid off and are closing early

There was one item of correspondence and was given to each Commissioner.

In regards to non-agenda items, Commissioner George first brought forward that the Library Board had made an offer to a new Library Director, starting mid-May. The second item was that people had reached out to Commissioner George about the recent property assessments. The Commission welcomed residents to come forward to speak on the item. Bill West (1430 Sheyenne Street) Brent Michelsen (1444 River Street) and Bruce Salvesson, (1450 Sheyenne Street) appeared before the Commission to express their concerns. No action was taken. A third item was brought forth by Commissioner Olson in regards to Public Safety Sales Tax appearing on the June 14th ballot. No action was taken as the Board of Equalization was scheduled for Tuesday, April 12.

Commissioner Simmons moved and Commissioner Olson seconded to adjourn the meeting. No opposition. Meeting adjourned at 6:56 PM.

Bernie Dardis, Commission President

Tina Fisk, City Administrator

**WEST FARGO CITY COMMISSION MEETING
BUILDING DEPARTMENT ACTIVITY REPORT
4/18/2022**

	AS OF 4/8/2022			YEAR TO DATE		
	# PERMITS	# UNITS	VALUATION	# PERMITS	# UNITS	VALUATION
<u>BUILDING NEW</u>						
COMMERCIAL				3		\$ 2,051,290.00
RESIDENTIAL DWELLING	16	16	\$ 7,812,900.00	26	26	\$ 12,557,900.00
RESIDENTIAL TWINHOME						
RESIDENTIAL TOWNHOME						
RESIDENTIAL MULTIPLE						
PUBLIC				1		\$ 160,000.00
CHURCH						
ACCESSORY	7		\$ 59,758.00	10		\$ 332,258.00
FOUNDATION ONLY						
<u>BUILDING REMODEL</u>						
COMMERCIAL	1		\$ 87,000.00	20		\$ 7,958,595.00
RESIDENTIAL	3		\$ 98,021.00	35		\$ 1,348,442.00
PUBLIC						
CHURCH						
ACCESSORY						
<u>BUILDING OTHER</u>						
DEMOLITION				2		\$ 164,000.00
MOVE						
PERMIT CANCELLATION						
TOTALS	27	16	\$ 8,057,679.00	97	26	\$ 24,572,485.00

WEST FARGO CITY COMMISSION MEETING

1 of 2

Building Department Report - Summary

NO.	CONTRACTOR	ADDRESS	OWNER	VALUATION	PERMIT FOR
220235	Thomsen Homes	6110 Martin Lane West	Thomsen Homes, LLC	\$ 209,200.00	Residential Dwelling
220216	Lake Agassiz Habitat	801 10 1/2 Avenue West	City of West Fargo	\$ 243,000.00	Residential Dwelling
220262	Jordahl Custom Homes	5477 11th Street West	Jordahl Custom Homes	\$ 230,000.00	Residential Dwelling
220261	Premier Construction & Remodel	1005 Wildflower Lane West	Brian Albrecht	\$ 420,000.00	Residential Dwelling
220273	Jordahl Custom Homes	870 60th Avenue West	Jordahl Custom Homes	\$ 185,000.00	Residential Dwelling
220260	Minko Construction	816 Meyer Drive	Summerson Investments	\$ 87,000.00	Remodel - Commercial - remodel portion of animal clinic
220280	Dabbert Custom Homes	2730 12th Street West	Dabbert Custom Homes	\$ 4,000.00	Accessory - Deck
220281	Studio West Homes	2635 Rivers Bend Drive East	TKO Investments LLC	\$ 875,000.00	Residential Dwelling
220284	Dabbert Custom Homes	1223 22nd Avenue West	Dabbert Custom Homes	\$ 6,000.00	Accessory - Deck
220279	Benjamim Custom Homes	2367 Rivers Bend Drive East	Dale & Mary Klein	\$ 829,500.00	Residential Dwelling
220286	Heritage Homes	5117 Mira Way West	Heritage Homes	\$ 594,000.00	Residential Dwelling
220289	Krueger Construction	201 25th Avenue East	Krueger Construction	\$ 565,000.00	Residential Dwelling
220292	Josh Diemert	2503 Mcleod Drive East	Josh Diemert	\$ 5,000.00	Accessory - Deck
220295	Troy Miller	714 9th Avenue West	Troy Miller	\$ 50,572.00	Remodel - Residential - Lower Level Finish
220298	Lemke Seamless Company	701 Villa Park Way	Fred & Peggy Stibbe	\$ 45,000.00	Remodel - Residential - Reside Dwelling
220276	Titan Homes	2337 Mcleod Drive East	Titan Homes	\$ 690,000.00	Residential Dwelling
220275	Titan Homes	1110 Aspen Trail	Titan Homes	\$ 530,000.00	Residential Dwelling
220301	American Waterworks	1826 2nd Avenue East	Greg Keller	\$ 2,449.00	Remodel - Residential - Repair Foundation
220299	Eid-Co	516 Westview Lane East	Eid-Co	\$ 246,500.00	Residential Dwelling
220278	Benjamim Custom Homes	2385 Rivers Bend Drive East	Dale & Mary Klein	\$ 1,266,000.00	Residential Dwelling
220257	Justin Oss	3725 14th Street West	Justin Oss	\$ 15,000.00	Accessory - Shed

Building Department Report - Summary

NO.	CONTRACTOR	ADDRESS	OWNER	VALUATION	PERMIT FOR
220302	Dabbert Custom Homes	2722 12th Street West	Dabbert Custom Homes	\$ 6,000.00	Accessory - Deck
220303	Dabbert Custom Homes	6077 Martin Lane West	Dabbert Custom Homes	\$ 316,900.00	Residential Dwelling
220305	Dabbert Custom Homes	2726 12th Street West	Dabbert Custom Homes	\$ 324,900.00	Residential Dwelling
220250	Danica Schreck	2711 14th Street West	Danica Schreck	\$ 9,758.00	Accessory - Deck
220306	Dabbert Custom Homes	5497 Lori Lane West	Dabbert Custom Homes	\$ 287,900.00	Residential Dwelling
220300	Premium Decks	1046 Albert Drive West	Jason & Sarah Davy	\$ 14,000.00	Accessory - Deck

**WEST FARGO CITY COMMISSION MEETING
BUILDING DEPARTMENT MONTHLY COMPARISON REPORT
4/18/2022**

	MARCH 2021			MARCH 2022		
	# PERMITS	# UNITS	VALUATION	# PERMITS	# UNITS	VALUATION
<u>BUILDING NEW</u>						
COMMERCIAL	12		\$ 3,445,000.00	3		\$ 2,051,290.00
RESIDENTIAL DWELLING	40	40	\$ 12,236,910.00	18	18	\$ 8,330,700.00
RESIDENTIAL TWINHOME						
RESIDENTIAL TOWNHOME	5	38	\$ 7,883,537.00			
RESIDENTIAL MULTIPLE						
PUBLIC				1		\$ 160,000.00
CHURCH						
ACCESSORY	21		\$ 85,150.00	5		\$ 282,500.00
FOUNDATION ONLY						
<u>BUILDING REMODEL</u>						
COMMERCIAL	17		\$ 1,225,680.00	20		\$ 7,958,595.00
RESIDENTIAL	53		\$ 1,809,512.00	32		\$ 1,250,421.00
PUBLIC	2		\$ 816,600.00			
CHURCH						
ACCESSORY						
<u>BUILDING OTHER</u>						
DEMOLITION	2		\$ 20,000.00	2		\$ 164,000.00
MOVE						
PERMIT CANCELLATION	1		\$ 81,640.00			
TOTALS	152	78	\$ 27,522,389.00	81	18	\$ 20,197,506.00

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CITY OF WEST FARGO, ND
Check Register
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Claim Checks

Check #	Type	Vendor #/Name	Check Amount	Date Issued	Period Redeemed	Claim #	Claim Amount
102112	S	2877 GREATAMERICA FINANCIAL SERVICES	202.63	03/30/22		CL 102758	202.63
102113	S	3552 BLUE CROSS BLUE SHIELD	246427.77	03/30/22		CL 102768	246427.77
102114	S	566 WEST FARGO PARK DISTRICT	54002.76	03/30/22		CL 102769	54002.76
102115	S	1039 NDSWRA	65.00	03/30/22		CL 102770	65.00
102116	S	2954 A-OX WELDING SUPPLY CO INC	20.25	04/05/22		CL 102839	20.25
102117	S	3867 AARON EVELAND	2375.10	04/05/22		CL 102827	2375.10
102118	S	4320 AARON NELSON	216.51	04/05/22		CL 102795	216.51
102119	S	289 ACME TOOLS	199.00	04/05/22		CL 102635	199.00
102120	S	2544 AIRGAS USA, LLC	551.68	04/05/22		CL 102793	551.68
102121	S	3869 ALISHA REIS	12.32	04/05/22		CL 102774	12.32
102122	S	2947 ALLSTATE PETERBILT OF FARGO	682.00	04/05/22		CL 102835	682.00
102123	S	3490 AMAZON CAPITAL SERVICES	5638.06	04/05/22		CL 102621	12.88
						CL 102623	171.83
						CL 102695	1287.95
						CL 102711	119.96
						CL 102720	53.94
						CL 102722	31.26
						CL 102779	1589.86
						CL 102788	189.99
						CL 102796	163.98
						CL 102800	2016.41
102124	S	2844 AMERICAN MAIL HOUSE INC	3801.30	04/05/22		CL 102757	3801.30
102125	S	317 AMERICAN WELDING & GAS, INC.	415.93	04/05/22		CL 102690	141.36
						CL 102787	274.57
102126	S	2931 AUTO VALUE PARTS STORES	223.98	04/05/22		CL 102637	2.90
						CL 102697	83.74
						CL 102726	13.77
						CL 102822	123.57
102127	S	1695 BAKER & TAYLOR	4301.48	04/05/22		CL 102776	4301.48
102128	S	43 BATTERIESPLUS c/o Bat 34 Inc	899.40	04/05/22		CL 102644	899.40

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Check #	Type	Vendor #/Name	Check Amount	Date Issued	Period Redeemed	Claim #	Claim Amount
102129	S	2641 BATTERY SYSTEMS	68.00	04/05/22		CL 102642	68.00
102130	S	3273 BERNIE DARDIS	333.27	04/05/22		CL 102846	333.27
102131	S	36 BERT'S TRUCK EQUIPMENT	121.01	04/05/22		CL 102833	121.01
102132	S	4317 BETTY ADAMS	1091.82	04/05/22		CL 102773	1091.82
102133	S	3512 BOUND TREE MEDICAL, LLC	33.52	04/05/22		CL 102801	33.52
102134	S	3892 BURGGRAF'S ACE FARGO WEST	126.27	04/05/22		CL 102803	126.27
102135	S	351 BUSINESS ESSENTIALS	703.32	04/05/22		CL 102667	399.80
						CL 102688	79.97
						CL 102804	223.55
102136	S	1403 CAPITAL ONE TRADE CREDIT	79.99	04/05/22		CL 102696	79.99
102137	S	61 CASS COUNTY FINANCE	2890.00	04/05/22		CL 102861	2890.00
102138	S	46 CASS RURAL WATER USERS	28.35	04/05/22		CL 102719	28.35
102139	S	1512 CDW GOVERNMENT, INC	355.32	04/05/22		CL 102665	355.32
102140	S	3113 CELLEBRITE	4295.00	04/05/22		CL 102747	4295.00
102141	S	1623 CENGAGE GALE	1058.61	04/05/22		CL 102780	1058.61
102142	S	1777 CENTURY LINK	230.18	04/05/22		CL 102664	230.18
102143	S	3417 CHELSEA SIMDORN	11.40	04/05/22		CL 102778	11.40
102144	S	4325 CHUCK MATSON	465.00	04/05/22		CL 102869	465.00
102145	S	3216 CINTAS	140.01	04/05/22		CL 102651	140.01
102146	S	111 CITY OF FARGO	63339.84	04/05/22		CL 102638	17310.19
						CL 102669	7000.00
						CL 102675	10434.99
						CL 102725	21594.66
						CL 102805	7000.00
102147	S	999999 CITY OF WEST FARGO	73.00	04/05/22		CL 102752	73.00
102148	S	4324 CMS INC DBA ALL FAB	4845.00	04/05/22		CL 102859	4845.00
102149	S	1904 CODE 4 SERVICES, INC	2227.76	04/05/22		CL 102745	2227.76

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102150	S	3245 CORE & MAIN	14848.94	04/05/22		CL 102641	501.04
						CL 102724	532.00
						CL 102783	6880.56
						CL 102831	6935.34
102151	S	1675 DAKOTA FLUID POWER, INC	2434.80	04/05/22		CL 102837	2369.22
						CL 102865	65.58
102152	S	79 DAKOTA HOSE & EQUIP	3300.90	04/05/22		CL 102730	3300.90
102153	S	856 DAVE'S WEST FARGO TIRE	28.88	04/05/22		CL 102860	28.88
102154	S	3525 DELL SPRECHER	17.50	04/05/22		CL 102806	17.50
102155	S	77 DEMCO INC	854.17	04/05/22		CL 102775	854.17
102156	S	3767 DENIS OTTERNESS	154.47	04/05/22		CL 102676	109.47
						CL 102862	45.00
102157	S	999999 DOUBLETREE	3908.50	04/05/22		CL 102749	3908.50
102158	S	78 DSI AUTOMOTIVE INC	108.76	04/05/22		CL 102823	108.76
102159	S	4049 EAPC ARCHITECTS ENGINEERS	86689.23	04/05/22		CL 102807	86689.23
102160	S	1502 EIDE BAILLY	15.00	04/05/22		CL 102686	15.00
102161	S	4318 EQUIPMENT BLADES INC.	28656.00	04/05/22		CL 102728	28656.00
102162	S	2862 ESSENTIA HEALTH	435.00	04/05/22		CL 102677	435.00
102163	S	660 FARGO FREIGHTLINER	187.02	04/05/22		CL 102647	94.06
						CL 102763	92.96
102164	S	3986 FARSTAD OIL, INC	288.84	04/05/22		CL 102734	288.84
102165	S	2098 FBI-LEEDA	350.00	04/05/22		CL 102685	350.00
102166	S	151 FEDERAL EXPRESS	22.16	04/05/22		CL 102653	22.16
102167	S	2387 FERGUSON ENTERPRISES #3093	678.00	04/05/22		CL 102639	678.00
102168	S	3347 FIRST INTERNATIONAL INSURANCE	848.17	04/05/22		CL 102834	848.17
102169	S	139 FRS WORKS	60.45	04/05/22		CL 102741	60.45
102170	S	155 GALLS, LLC	14105.85	04/05/22		CL 102645	13061.83
						CL 102739	1044.02

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102171	S	4321 GO PROMO LLC	1325.00	04/05/22		CL 102797	1325.00
102172	S	2558 GOODYEAR COMMERCIAL TIRE	2570.52	04/05/22		CL 102784	2570.52
102173	S	556 GRAINGER, INC.	811.50	04/05/22		CL 102640	793.20
						CL 102693	18.30
102174	S	3534 GRAND FORKS FIRE EQUIPMENT LLC	8151.99	04/05/22		CL 102808	8151.99
102175	S	2877 GREATAMERICA FINANCIAL SERVICES	442.89	04/05/22		CL 102636	442.89
102176	S	4319 GREATAMERICA FINANCIAL SVCS	1580.07	04/05/22		CL 102754	1580.07
102177	S	177 HACH CHEMICAL	104.19	04/05/22		CL 102727	104.19
102178	S	135 HAWKINS WTR TREATMENT	7621.14	04/05/22		CL 102729	7621.14
102179	S	2850 HENRY SCHEIN, INC	508.09	04/05/22		CL 102743	508.09
102180	S	3593 HOLIDAY COMPANIES	465.00	04/05/22		CL 102852	465.00
102181	S	999999 HOT SPRINGS SPAS & POOL TABLES	1977.00	04/05/22		CL 102646	1977.00
102182	S	1226 HP INC.	25460.23	04/05/22		CL 102622	24347.22
						CL 102740	1113.01
102183	S	2227 HR COLLABORATIVE	200.00	04/05/22		CL 102750	200.00
102184	S	358 HUBERT OYE-SONS CONST.	960.50	04/05/22		CL 102643	617.70
						CL 102737	342.80
102185	S	687 INFORMATION TECHNOLOGY DEPT	678.90	04/05/22		CL 102679	678.90
102186	S	1660 INT'L CONFERENCE OF POLICE CHAPLAINS	125.00	04/05/22		CL 102855	125.00
102187	S	211 INTERSTATE BATTERIES	130.80	04/05/22		CL 102723	130.80
102188	S	2750 JIM'S TOWING INC	480.00	04/05/22		CL 102863	480.00
102189	S	2798 JOHNSON CONTROLS	2853.62	04/05/22		CL 102731	2853.62
102190	S	2325 KUSTOM KONCEPTS	754.51	04/05/22		CL 102850	754.51
102191	S	260 LAR'S BODY SHOP	13075.39	04/05/22		CL 102671	1696.05
						CL 102748	1310.03
						CL 102848	10069.31

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102192	S	277 LARSONS WELDING/MACHINE	2852.00	04/05/22		CL 102736	2755.40
						CL 102824	96.60
102193	S	2800 LAUREN NEPHEW	40.00	04/05/22		CL 102759	40.00
102194	S	705 LAWSON PRODUCTS	1475.84	04/05/22		CL 102826	1475.84
102195	S	3418 LOFFLER	55.60	04/05/22		CL 102798	55.60
102196	S	3491 LOFFLER COMPANIES INC	131.15	04/05/22		CL 102755	131.15
102197	S	675 LYNN PEAVEY CO.	166.90	04/05/22		CL 102659	166.90
102198	S	3304 MAC'S - FARGO	327.02	04/05/22		CL 102698	161.97
						CL 102781	111.76
						CL 102825	53.29
102199	S	3488 MARK HOUSH	172.38	04/05/22		CL 102753	172.38
102200	S	3011 MARK SIBENALLER	551.63	04/05/22		CL 102856	551.63
102201	S	2903 MATT OLDHAM	276.56	04/05/22		CL 102683	276.56
102202	S	308 MATTHEW BENDER & CO., INC	70.43	04/05/22		CL 102771	70.43
102203	S	299 MENARDS	2887.96	04/05/22		CL 102631	62.13
						CL 102650	33.90
						CL 102713	133.54
						CL 102760	712.20
						CL 102790	527.36
						CL 102815	260.95
						CL 102858	1157.88
102204	S	102 MIDSTATES WIRELESS	69.50	04/05/22		CL 102742	7.00
						CL 102809	62.50
102205	S	1854 MIDWEST TAPE	717.98	04/05/22		CL 102777	717.98
102206	S	3521 MINNESOTA STATE COMMUNITY & TECH COLLEGE	140.00	04/05/22		CL 102810	140.00
102207	S	772 MINNKOTA	48.00	04/05/22		CL 102663	48.00
102208	S	305 MOORE ENGINEERING INC	3069.40	04/05/22		CL 102868	3069.40
102209	S	3085 MRA-THE MANAGEMENT ASSOCIATION, INC	832.50	04/05/22		CL 102624	832.50
102210	S	4322 ND DEPARTMENT OF ENVIRONMENTAL QUALITY	800.00	04/05/22		CL 102841	800.00

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Claim Checks

Check #	Type	Vendor #/Name	Check Amount	Date Issued	Period Redeemed	Claim #	Claim Amount
102211	S	911 NDPOA	320.00	04/05/22		CL 102849	320.00
102212	S	756 NELCO FIRST AID	578.55	04/05/22		CL 102794	444.85
						CL 102870	133.70
102213	S	364 NELSON INTERNATIONAL	90.33	04/05/22		CL 102662	90.33
102214	S	2261 NETWORK CENTER INCORPORATED	415.00	04/05/22		CL 102721	415.00
102215	S	2812 NORTH DAKOTA HIGHWAY PATROL	500.00	04/05/22		CL 102678	500.00
102216	S	1966 NORTH IOWA K-9	14286.57	04/05/22		CL 102681	286.57
						CL 102867	14000.00
102217	S	141 NORTH STAR SAFETY, INC	1003.58	04/05/22		CL 102658	1003.58
102218	S	331 NORTHERN STATES SUPPLY	199.20	04/05/22		CL 102732	199.20
102219	S	1715 NORTHWEST TIRE INC	19.26	04/05/22		CL 102840	19.26
102220	S	1774 O'REILLY AUTOMOTIVE STORES, INC	1142.13	04/05/22		CL 102654	156.52
						CL 102735	790.24
						CL 102811	4.59
						CL 102836	190.78
102221	S	3505 OFFICE SIGN COMPANY	119.80	04/05/22		CL 102684	54.75
						CL 102772	65.05
102222	S	353 OHNSTAD TWICHELL	37738.98	04/05/22		CL 102820	25613.78
						CL 102821	610.50
						CL 102843	11514.70
102223	S	352 OK TIRE STORE - COM CTR	3284.53	04/05/22		CL 102829	1428.20
						CL 102838	1856.33
102224	S	399 OLYMPIC SALES	10598.61	04/05/22		CL 102785	9450.00
						CL 102830	1148.61
102225	S	276 OSTROMS ACE HARDWARE	437.70	04/05/22		CL 102634	215.62
						CL 102670	16.77
						CL 102692	30.56
						CL 102738	15.17
						CL 102761	10.08
						CL 102786	43.69
						CL 102814	105.81
102226	S	673 PARSONS ELECTRIC	9750.00	04/05/22		CL 102819	9750.00

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Check #	Type	Vendor #/Name	Check Amount	Date Issued	Period Redeemed	Claim #	Claim Amount
102227	S	563 PETRO SERVE USA	2266.55	04/05/22			
102228	S	4034 PETRO SERVE USA #63	2579.88	04/05/22		CL 102844	2266.55
						CL 102746	61.11
						CL 102842	2518.77
102229	S	3391 PPI CONSULTING LLC	475.00	04/05/22			
						CL 102672	475.00
102230	S	1166 PRODUCTIVITY PLUS ACCOUNT	210.00	04/05/22			
						CL 102655	210.00
102231	S	4036 RED CARPET WEST FARGO	90.00	04/05/22			
						CL 102812	90.00
102232	S	4064 ROYAL TIRE INC	4023.81	04/05/22			
						CL 102694	998.03
						CL 102765	2549.40
						CL 102832	476.38
102233	S	1881 SAM'S CLUB/SYNCHRONY BANK	462.21	04/05/22			
						CL 102799	462.21
102234	S	437 SANDY'S DONUTS & COFFEE SHOP	62.85	04/05/22			
						CL 102744	62.85
102235	S	454 SANITATION PRODUCTS	16151.56	04/05/22			
						CL 102762	4631.56
						CL 102828	11520.00
102236	S	450 SCHEELS	109.99	04/05/22			
						CL 102682	109.99
102237	S	4323 SCOTT GRAVALIN	25.00	04/05/22			
						CL 102847	25.00
102238	S	639 SECRETARY OF STATE	216.00	04/05/22			
						CL 102649	216.00
102239	S	1634 SHANE ORN	59.95	04/05/22			
						CL 102853	59.95
102240	S	2885 SHORTPRINTER	230.69	04/05/22			
						CL 102666	97.82
						CL 102714	90.42
						CL 102851	42.45
102241	S	3642 SIGN PRO	520.00	04/05/22			
						CL 102813	520.00
102242	S	91 SIGN SOLUTIONS USA	1639.99	04/05/22			
						CL 102699	1383.96
						CL 102767	256.03
102243	S	2655 SIMPLIFILE	75.00	04/05/22			
						CL 102845	75.00
102244	S	1626 SIRCHIE ACQUISITION COMPANY LLC	97.42	04/05/22			
						CL 102674	97.42
102245	S	3150 SKYHAWK TELEMATICS	2236.50	04/05/22			
						CL 102857	2236.50
102246	S	4316 STANDARD & ASSOCIATES INC	1965.00	04/05/22			
						CL 102668	1965.00

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Claim Checks

Check #	Type	Vendor #/Name	Check Amount	Date Issued	Period Redeemed	Claim #	Claim Amount
102247	S	88 STREICHER'S INC	2252.28	04/05/22			
102248	S	176 SUMMIT FIRE PROTECTION	256.00	04/05/22		CL 102673	2252.28
102249	S	733 SWANSTON EQUIPMENT CORP.	5841.54	04/05/22		CL 102816	256.00
102250	S	2217 TINA FISK	296.25	04/05/22		CL 102657	335.06
102251	S	1734 TOM CLARK	1724.82	04/05/22		CL 102864	5506.48
102252	S	3524 TRAVIS OLSON	17.50	04/05/22		CL 102689	296.25
102253	S	665 TWIN CITY GARAGE DOOR	229.00	04/05/22		CL 102817	1724.82
102254	S	2136 ULINE INC	68.54	04/05/22		CL 102818	17.50
102255	S	374 US POSTAL SERVICE	4252.18	04/05/22		CL 102632	229.00
102256	S	3668 VERIZON WIRELESS	251.42	04/05/22		CL 102660	68.54
102257	S	1346 VISTO'S TRAILER SALES	20.97	04/05/22		CL 102766	4252.18
102258	S	544 WALLWORK TRUCK CENTER	272.24	04/05/22		CL 102661	251.42
102259	S	2503 WES CHRISTIANSON	72.95	04/05/22		CL 102764	20.97
102260	S	3306 WEST FARGO EVENTS, INC	33336.58	04/05/22		CL 102652	88.30
102261	S	2184 WEST SIDE STEEL	1355.38	04/05/22		CL 102733	183.94
102262	S	4129 WESTERN NATIONAL MUTUAL INS CO	50.00	04/05/22		CL 102854	72.95
102263	S	338 XCEL ENERGY	298.08	04/05/22		CL 102866	33336.58
102264	S	582 ZEP MANUFACTURING	194.36	04/05/22		CL 102648	290.01
102265	S	3612 ZOOBEAN INC	1695.00	04/05/22		CL 102691	1012.32
102266	S	274 STEVE MOTTINGER	5000.00	04/05/22		CL 102791	53.05
102267	S	338 XCEL ENERGY	794.82	04/06/22		CL 102680	50.00
						CL 102756	298.08
						CL 102789	194.36
						CL 102751	1695.00
						CL 102872	5000.00
						CL 102892	17.09
						CL 102893	65.73
						CL 102894	26.62
						CL 102895	266.14
						CL 102896	333.33
						CL 102897	17.86
						CL 102898	68.05

Claim Checks

Check #	Type	Vendor #/Name	Check Amount	Date Issued	Period Redeemed	Claim #	Claim Amount
102268	S	338 XCEL ENERGY	1959.99	04/07/22			
102269	S	3549 WEX	2768.80	04/08/22		CL 102905	1959.99
102270	S	3787 TUCKER BUCHOLZ	45.50	02/07/22		CL 102913	2768.80
102271	S	4335 VISA HUMAN RESOURCES	200.00	04/11/22		CL 101728	45.50
102272	S	51 CASS COUNTY ELECTRIC COOP	855.99	04/13/22		CL 102957	200.00
						CL 103012	855.99
Total for Claim Checks			823597.50				
Count for Claim Checks			161				

* denotes missing check number(s)

of Checks: 161 Total: 823597.50

*** Consent Agenda ***

AGENDA ITEM DESCRIPTION
CITY COMMISSION
WEST FARGO, NORTH DAKOTA

1. CONTACT PERSON: Lisa Sankey
2. PHONE NUMBER: 515-5376 DATE: April 4, 2022
3. AGENDA TITLE:
Resolution to approve addition of antennas for commercial wireless telecommunication on existing tower at 4331 81 St S, Mapleton, ND
4. PLEASE **BRIEFLY** DESCRIBE YOUR REQUEST:
Allow additional antennas and equipment to existing telecommunications tower pursuant to requirements of Section 4-449.13 of City Ordinances.
5. SITE ADDRESS OR LEGAL DESCRIPTION (if applicable):
Located at 4331 81 St S, Mapleton, ND 58078 (36-139-5- NE ¼ A 160.00, Cass County, North Dakota)
6. ACTION BEING REQUESTED FROM CITY COMMISSION:
Resolution to Approve Additional Antennas and associated equipment on existing tower and ground equipment at 4331 81 St S, Mapleton, ND 58078 (36-139-5- NE ¼ A 160.00, Cass County, North Dakota pursuant to Section 4-449.13 of City Ordinances.

GENERAL REQUIREMENTS:

1.1 INTENT

1. THESE SPECIFICATIONS AND CONSTRUCTION DRAWINGS ACCOMPANYING THEM DESCRIBE THE WORK TO BE DONE AND THE MATERIALS TO BE FURNISHED FOR CONSTRUCTION.
2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE FULLY EXPLANATORY AND SUPPLEMENTARY. HOWEVER, SHOULD ANYTHING BE SHOWN, INDICATED OR SPECIFIED ON ONE AND NOT THE OTHER, IT SHALL BE DONE THE SAME AS IF SHOWN, INDICATED OR SPECIFIED IN BOTH.
3. THE INTENTION OF THE DOCUMENTS IS TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK AS STIPULATED IN THE CONTRACT.
4. THE PURPOSE OF THE SPECIFICATIONS IS TO INTERPRET THE INTENT OF THE DRAWINGS AND TO DESIGNATE THE METHOD OF THE PROCEDURE, TYPE AND QUALITY OF MATERIALS REQUIRED TO COMPLETE THE WORK.
5. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND SHALL BE CONSIDERED AS PART OF THE WORK. NO CHANGES THAT ALTER THE CHARACTER OF THE WORK WILL BE MADE OR PERMITTED BY THE OWNER WITHOUT ISSUING A CHANGE ORDER.

1.2 CONFLICTS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED ON THE CONSTRUCTION DRAWINGS. ANY SUCH DISCREPANCY IN DIMENSION WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE OWNER FOR CONSIDERATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED AREAS.
2. THE BIDDER, IF AWARDED THE CONTRACT, WILL NOT BE ALLOWED ANY EXTRA COMPENSATION BY REASON OF ANY MATTER OR THING CONCERNING WHICH SUCH BIDDER MIGHT HAVE FULLY INFORMED THEMSELVES PRIOR TO THE BIDDING.
3. NO PLEA OF IGNORANCE OF CONDITIONS THAT EXIST, OR OF DIFFICULTIES OR CONDITIONS THAT MAY BE ENCOUNTERED OR OF ANY OTHER RELEVANT MATTER CONCERNING THE WORK TO BE PERFORMED IN THE EXECUTION OF THE WORK WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR OMISSION ON THE PART OF THE CONTRACTOR TO FULFILL EVERY DETAIL OF ALL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS GOVERNING THE WORK.

1.3 CONTRACTS AND WARRANTIES

1. CONTRACTOR IS RESPONSIBLE FOR APPLICATION AND PAYMENT OF CONTRACTOR LICENSES AND BONDS.

1.4 STORAGE

1. ALL MATERIALS MUST BE STORED IN A LEVEL AND DRY FASHION AND IN A MANNER THAT DOES NOT NECESSARILY OBSTRUCT THE FLOW OF OTHER WORK. ANY STORAGE METHOD MUST MEET ALL RECOMMENDATIONS OF THE ASSOCIATED MANUFACTURER.
2. THE BTS MUST BE STORED INSIDE UNTIL THERE IS POWER ON SITE.
3. RE-FILLING OF PROPANE TANK ON SITE IS PROHIBITED. TANK WILL NEED TO BE REMOVED & EXCHANGED WHEN EMPTY.

1.5 CLEAN UP

1. THE CONTRACTORS SHALL AT ALL TIMES KEEP THE SITE FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY THEIR EMPLOYEES AT WORK AND AT THE COMPLETION OF THE WORK, THEY SHALL REMOVE ALL RUBBISH FROM AND ABOUT THE BUILDING AREA, INCLUDING ALL THEIR TOOLS, SCAFFOLDING AND SURPLUS MATERIALS AND SHALL LEAVE THEIR WORK CLEAN AND READY FOR USE.
2. EXTERIOR: VISUALLY INSPECT EXTERIOR SURFACES AND REMOVE ALL TRACES OF SOIL, WASTE MATERIALS, SMUDGES AND OTHER FOREIGN MATTER.
- A. REMOVE ALL TRACES OF SPLASHED MATERIALS FROM ADJACENT SURFACES.
- B. IF NECESSARY TO ACHIEVE A UNIFORM DEGREE OF CLEANLINESS, HOSE DOWN THE EXTERIOR OF THE STRUCTURE.
3. INTERIOR: VISUALLY INSPECT INTERIOR SURFACE AND REMOVE ALL TRACES OF SOIL, WASTE MATERIALS, SMUDGES AND OTHER FOREIGN MATTER FROM WALLS/FLOOR/CEILING.
- A. REMOVE ALL TRACES OF SPLASHED MATERIAL FROM ADJACENT SURFACES.
- B. REMOVE PAINT DROPPINGS, SPOTS, STAINS AND DIRT FROM FINISHED SURFACES.

1.6 CHANGE ORDER PROCEDURE

1. CHANGE ORDERS MAY BE INITIATED BY THE OWNER AND/OR THE CONTRACTOR INVOLVED. THE CONTRACTOR, UPON VERBAL REQUEST FROM THE OWNER SHALL PREPARE A WRITTEN PROPOSAL DESCRIBING THE CHANGE IN WORK OR MATERIALS AND ANY CHANGES IN THE CONTRACT AMOUNT AND PRESENT TO THE OWNER WITHIN 72 HRS FOR APPROVAL. SUBMIT REQUESTS FOR SUBSTITUTIONS IN THE FORM AND IN ACCORDANCE WITH PROCEDURES REQUIRED FOR CHANGE ORDER PROPOSALS. ANY CHANGES IN SCOPE OF WORK OR MATERIALS WHICH ARE PERFORMED BY THE CONTRACTOR WITHOUT A WRITTEN CHANGE ORDER AS DESCRIBED AND APPROVED BY THE OWNER SHALL PLACE FULL RESPONSIBILITY OF THESE ACTIONS ON THE CONTRACTOR.

1.7 RELATED DOCUMENTS AND COORDINATION

1. GENERAL CARPENTRY, ELECTRICAL AND ANTENNA DRAWINGS ARE INTERRELATED. IN PERFORMANCE OF THE WORK, THE CONTRACTOR MUST REFER TO ALL DRAWINGS. ALL COORDINATION TO BE THE RESPONSIBILITY OF THE CONTRACTOR.

1.8 SHOP DRAWINGS

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AS REQUIRED AND LISTED IN THESE SPECIFICATIONS TO THE OWNER FOR APPROVAL.
2. ALL SHOP DRAWINGS SHALL BE REVIEWED, CHECKED AND CORRECTED BY CONTRACTOR PRIOR TO SUBMITTAL TO THE OWNER.

1.9 PRODUCTS AND SUBSTITUTIONS

1. SUBMIT 3 COPIES OF EACH REQUEST FOR SUBSTITUTION. IN EACH REQUEST IDENTIFY THE PRODUCT OR FABRICATION OR INSTALLATION METHOD TO BE REPLACED BY THE SUBSTITUTION. INCLUDE RELATED SPECIFICATION SECTION AND DRAWING NUMBERS AND COMPLETE DOCUMENTATION SHOWING COMPLIANCE WITH THE REQUIREMENTS FOR SUBSTITUTIONS.
2. SUBMIT ALL NECESSARY PRODUCT DATA AND CUT SHEETS WHICH PROPERLY INDICATE AND DESCRIBE THE ITEMS, PRODUCTS AND MATERIALS BEING INSTALLED. THE CONTRACTOR SHALL, IF DEEMED NECESSARY BY THE OWNER SUBMIT ACTUAL SAMPLES TO THE OWNER FOR APPROVAL IN LIEU OF CUT SHEETS.

1.10 QUALITY ASSURANCE

1. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. THESE SHALL INCLUDE BUT NOT BE LIMITED TO THE LATEST VERSION OF THE INTERNATIONAL BUILDING CODE.

1.11 ADMINISTRATION

1. BEFORE THE COMMENCEMENT OF ANY WORK, THE CONTRACTOR WILL ASSIGN A PROJECT MANAGER WHO WILL ACT AS A SINGLE POINT OF CONTACT FOR ALL PERSONNEL INVOLVED IN THIS PROJECT. THIS PROJECT MANAGER WILL DEVELOP A MASTER SCHEDULE FOR THE PROJECT WHICH WILL BE SUBMITTED TO THE OWNER PRIOR TO THE COMMENCEMENT OF ANY WORK.
2. SUBMIT A BAR TYPE PROGRESS CHART NOT MORE THAN 3 DAYS AFTER THE DATE ESTABLISHED FOR COMMENCEMENT OF THE WORK ON THE SCHEDULE, INDICATING A TIME BAR FOR EACH MAJOR CATEGORY OR UNIT OF WORK TO BE PERFORMED AT SITE, PROPERLY SEQUENCED AND COORDINATED WITH OTHER ELEMENTS OF WORK AND SHOWING COMPLETION OF THE WORK SUFFICIENTLY IN ADVANCE OF THE DATE ESTABLISHED FOR SUBSTANTIAL COMPLETION OF THE WORK.
3. PRIOR TO COMMENCING CONSTRUCTION, THE OWNER SHALL SCHEDULE AN ON-SITE MEETING WITH ALL MAJOR PARTIES. THIS WOULD INCLUDE (THOUGH NOT LIMITED TO) THE OWNER, PROJECT MANAGER, CONTRACTOR, LAND OWNER REPRESENTATIVE, LOCAL TELEPHONE COMPANY, TOWER ERECTION FOREMAN (IF SUBCONTRACTED).
4. CONTRACTOR SHALL BE EQUIPPED WITH SOME MEANS OF CONSTANT COMMUNICATIONS, SUCH AS A MOBILE PHONE OR A BEEPER. THIS EQUIPMENT WILL NOT BE SUPPLIED BY THE OWNER, NOR WILL WIRELESS SERVICE BE ARRANGED.
5. DURING CONSTRUCTION, CONTRACTOR MUST ENSURE THAT EMPLOYEES AND SUBCONTRACTORS WEAR HARD HATS AT ALL TIMES. CONTRACTOR WILL COMPLY WITH ALL SAFETY REQUIREMENTS IN THEIR AGREEMENT.
6. PROVIDE WRITTEN DAILY UPDATES ON SITE PROGRESS TO THE OWNER.
7. COMPLETE INVENTORY OF CONSTRUCTION MATERIALS AND EQUIPMENT IS REQUIRED PRIOR TO START OF CONSTRUCTION.
8. NOTIFY THE OWNER / PROJECT MANAGER IN WRITING NO LESS THAN 48 HOURS IN ADVANCE OF CONCRETE POURS, TOWER ERECTIONS, AND EQUIPMENT CABINET PLACEMENTS.

1.12 INSURANCE AND BONDS

1. CONTRACTOR SHALL AT THEIR OWN EXPENSE CARRY AND MAINTAIN FOR THE DURATION OF THE PROJECT ALL INSURANCE AS REQUIRED AND LISTED AND SHALL NOT COMMENCE WITH THEIR WORK UNTIL THEY HAVE PRESENTED AN ORIGINAL CERTIFICATE OF INSURANCE STATING ALL COVERAGES TO THE OWNER. REFER TO THE MASTER AGREEMENT FOR REQUIRED INSURANCE LIMITS.
2. THE OWNER SHALL BE NAMED AS AN ADDITIONAL INSURED ON ALL POLICIES.
3. CONTRACTOR MUST PROVIDE PROOF OF INSURANCE.

TOWER & ANTENNA INSTALLATION:

1.1 WORK INCLUDED

1. IF REQUIRED, ERECT FURNISHED TOWER.
2. GROUND TOWER TEMPORARILY DURING ERECTION. GROUNDING SHALL INCLUDE BASE(S) AND ANCHORS.
3. IF REQUIRED, INSTALL THREE (3) SIDE ARMS, CONSISTING OF THREE (3) 6'-0" AS INDICATED ON DRAWINGS - CONFIRM WITH OWNER REPRESENTATIVE.
4. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND OWNER SPECIFICATIONS.
5. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
6. INSTALL FURNISHED GALVANIZED STEEL WAVEGUIDE LADDER.
7. INSTALL WAVEGUIDE BRIDGE AS INDICATED ON DRAWING.
8. SUPPLY AND INSTALL ONE INSULATED GROUND BAR AT EQUIPMENT CABINET.
9. SUPPLY AND INSTALL GROUNDING STRAP KITS WITH LONG BARREL COMPRESSION LUGS (SIM. TO ANDREW-223700TBD OR APPROVED EQUAL) ATOP TOWER BASE BEFORE ENTERING THE EQUIPMENT. GROUNDING STRAPS TO BE CONNECTED TO INSULATED GROUND BAR.
10. ASSIST OWNER TECHNICIANS IN PERFORMING SWEEP TEST OF INSTALLED COAX.
11. CONCRETE PIERS FOR FOUNDATIONS SHALL BE DRILLED AND POURED ON THE SAME DAY.

1.2 REQUIREMENTS OF REGULATOR AGENCIES

1. FURNISH U.L. LISTED EQUIPMENT WHERE SUCH LABEL IS AVAILABLE, INSTALL IN CONFORMANCE WITH U.L. STANDARDS WHERE APPLICABLE.
2. INSTALL ANTENNA, ANTENNA CABLES, GROUNDING SYSTEM IN ACCORDANCE WITH DRAWINGS AND SPECIFICATION IN EFFECT AT PROJECT LOCATION AND RECOMMENDATIONS OF STATE AND LOCAL BUILDING CODES, SPECIAL CODES HAVING JURISDICTION OVER SPECIFIC PORTIONS OF WORK. THIS INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
- A. TIA - TELECOMMUNICATIONS INDUSTRY ASSOCIATION TIA-222-H. STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES.
- B. FAA - FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULAR AC 70/7460-IH, OBSTRUCTION MARKING AND LIGHTING.
- C. FCC - FEDERAL COMMUNICATIONS COMMISSION RULES AND REGULATIONS FORM 715, OBSTRUCTION MARKING AND LIGHTING SPECIFICATIONS FOR ANTENNA STRUCTURES AND FORM 715A, HIGH INTENSITY OBSTRUCTION LIGHTING SPECIFICATIONS FOR ANTENNA STRUCTURES.
- D. AISC - AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS.
- E. NEC - NATIONAL ELECTRICAL CODE - ON TOWER LIGHTING KITS.
- F. UL - UNDERWRITER'S LABORATORIES APPROVED ELECTRICAL PRODUCTS.
- G. IN ALL CASES, PART 77 OR THE FAA RULES AND PARTS 17 AND 22 OF THE FCC RULES ARE APPLICABLE AND IN THE EVENT OF CONFLICT, SUPERSEDE ANY OTHER STANDARDS OR SPECIFICATIONS.
- H. 2012 LIFE SAFETY CODE NFPA -101.

GENERAL ELECTRIC PROVISION:

1. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
2. CONTRACTOR SHALL PERFORM ALL VERIFICATION OBSERVATIONS TEST, AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE ARCHITECT LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
3. HEIGHTS SHALL BE VERIFIED WITH OWNER PRIOR TO INSTALLATION.
4. THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
5. ELECTRICAL SERVICE 120 / 240 VAC SINGLE PHASE 3-WIRE 200 AMP SERVICE
6. EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN EACH PANEL BOARD, PULL BOX, J-BOX, SWITCH BOX, ETC., IN COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ACT (O.S.H.A.).
7. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR A COMPLETE AND PROPERLY OPERATIVE SYSTEM ENERGIZED THROUGHOUT AND AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
8. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY AND ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA AND NBFU.
9. ALL CONDUIT INSTALLED SHALL BE SURFACE MOUNTED OR DIRECT BURIAL UNLESS OTHERWISE NOTED.
10. CONTRACTOR SHALL CARRY OUT THEIR WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY AND LOCAL CODES AND O.S.H.A.
11. CONTRACTOR TO OBTAIN ALL PERMITS, PAY PERMIT FEES, AND BE RESPONSIBLE FOR SCHEDULING INSPECTIONS.
12. COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE BY OWNER. ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
13. ALL CONDUIT SHALL HAVE A PULL WIRE OR ROPE.
14. PROVIDE PROJECT MANAGER WITH ONE SET OF COMPLETE ELECTRICAL "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS AND CIRCUITS.
15. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC., SHALL BE TURNED OVER TO THE OWNER AT JOB COMPLETION.
16. USE T-TAP CONNECTIONS ON ALL MULTI-CIRCUITS WITH COMMON NEUTRAL CONDUCTOR FOR LIGHTING FIXTURES.
17. ALL CONDUCTORS SHALL BE COPPER.
18. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C.
19. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.
20. PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
21. PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH APPLICABLE LOCAL BUILDING CODES.
22. WIRE AND CABLE CONDUCTORS SHALL BE COPPER #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS.
23. GROUNDING CONDUCTORS SHALL BE SOLID TINNED COPPER UNLESS OTHERWISE NOTED.

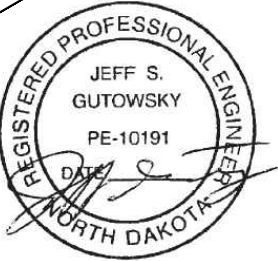


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CIVIL \ TELECOMMUNICATION \ MECHANICAL
PLUMBING \ ELECTRICAL \ LAND SURVEYING
ACCESSIBILITY CONSULTING \ STRUCTURAL

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DRAWN: ATK
JOB: T2200357

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24. METER SOCKET AMPERES, VOLTAGE, NUMBER OF PHASES SHALL BE AS NOTED ON THE DRAWINGS, MANUFACTURED BY "SQUARE D COMPANY", OR APPROVED EQUAL.
25. ALL MATERIALS SHALL BE U.L. LISTED.
26. CONDUIT

A. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR. RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3

B. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTING SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.

C. FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE, SEAL TIGHT FLEXIBLE CONDUIT. ALL CONDUIT SHALL HAVE FULL SIZE EQUIPMENT GROUND WIRE.

D. CONDUIT RUNS SHALL BE SURFACE MOUNTED IN CEILINGS OR WALLS UNLESS INDICATED OTHERWISE. CONDUIT INDICATED SHALL RUN PARALLEL OR AT RIGHT ANGLES TO CEILING, FLOOR OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH THE OWNER PRIOR TO INSTALLING. NO HORIZONTAL CONDUITS SHALL BE BELOW 7'-6" A.F.F. NO BX OR ROMEX CABLE IS PERMITTED.

E. PARALLEL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40 (UNLESS NOTED OTHERWISE) AT A MINIMUM DEPTH OF 30" BELOW GRADE - STACKED UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40 (UNLESS NOTED OTHERWISE) AT A MINIMUM DEPTH OF 24" BELOW GRADE.

F. ABOVE GROUND CONDUIT SHALL BE P.V.C. SCHEDULE 80 (UNLESS NOTED OTHERWISE).
27. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS.
28. CONTRACTOR TO PROVIDE DAILY UPDATES TO PM UNTIL FINAL ELECTRICAL SERVICE IS EFFECTED.
29. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL OF POTENTIAL GROUND TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
30. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS TO BE PAID BY CONTRACTOR.

GROUNDING STANDARDS:

1.0 DEFINITIONS

AGB:	ANTENNA GROUND BAR
AWG:	AMERICAN WIRE GAUGE
CADWELDING:	AN EXOTHERMIC WELDING PROCESS WHICH CREATES POSITIVE CONTACT OF POSITIVE CONTACT OF GROUNDING CONDUCTORS
EMT: CONDUIT)	ELECTRICAL METAL TUBING (LIGHT GAUGE METALLIC
MGB:	MASTER GROUND BAR
PVC:	POLYVINYL CHLORIDE CONDUIT
RFI:	RADIO FREQUENCY INTERFERENCE
TGB:	TOWER GROUND BAR
THWN:	LETTER TYPE DESIGNATION FOR CONDUCTOR INSULATION THAT IS A MOISTURE AND HEAT RESISTANT THERMOPLASTIC WITH A MAXIMUM OPERATING TEMPERATURE OF 75 DEGREES CELSIUS OR 167 DEGREE FAHRENHEIT
T/I:	TENANT IMPROVEMENT

2.0 BACKGROUND

2.1 AREAS OF CONCERN: WHEN DESIGNING A GROUNDING SYSTEM FOR A MOBILE RADIO FACILITY THERE ARE FOUR INTERRELATED AREAS OF CONCERN. THE BASIC OBJECTIVE FOR EACH IS:

1. LIGHTNING PROTECTION -TO MAINTAIN ALL EQUIPMENT AT THE SAME POTENTIAL DURING A LIGHTNING IMPULSE.
2. RFI FOR NOISE INDUCTION CONTROL -TO ESTABLISH THE LOWEST POSSIBLE IMPEDANCE AMONG ALL EQUIPMENT.
3. ELECTROSTATIC CONTROL -TO REDUCE ELECTROSTATIC DISCHARGE PROBLEMS.
4. PERSONNEL SAFETY -TO MAINTAIN A MINIMUM VOLTAGE DIFFERENCE BETWEEN ANY TWO METALLIC OBJECTS WHICH PERSONNEL MIGHT CONTACT SIMULTANEOUSLY.

2.2 A/C GROUNDING: IN THIS GROUNDING SYSTEM THE A/C SERVICE GROUND SHALL BE KEPT ISOLATED FROM THE EQUIPMENT FRAME WORK AND LIGHTNING PROTECTION GROUND SYSTEMS EXCEPT FOR ONE SPECIFIC POINT. THIS POINT IS THE MAIN GROUNDING POINT OF THE SYSTEM. THIS WOULD TYPICALLY BE CONNECTING THE A/C SERVICE GROUND AT THE COMMERCIAL POWER RISER POLE DISCONNECT/METER BASE TO THE EXTERNAL GROUND RING. ALL GROUNDING CONNECTIONS INSIDE OF CABINETS SHALL BE SCRAPPED TO BARE METAL AND COATED WITH NOALOX.

2.3 LIGHTNING CONSIDERATIONS: LIGHTNING DAMAGE OCCURS FROM EITHER INDUCTION OR FROM AN ACTUAL DIRECT STRIKE TO THE BUILDING, USUALLY TAKEN THROUGH THE TOWER AND/OR ANTENNAS. STRIKES TO OTHER NEARBY OBJECTS INDUCE HIGH ENERGY INTO POWER OR TELEPHONE CABLES ENTERING THE BUILDING. THIS TYPE OF EFFECT HISTORICALLY CAUSES MOST OF THE DAMAGE TO THE BUILDING AND ITS CONTENTS.

3.0 STATION GROUNDING SYSTEM

3.1 MATERIALS:

1. #2 AWG, BARE SOLID TINNED COPPER WIRE, FOR ALL EXTERIOR CONDUCTORS AND TOWER GROUND BAR CONDUCTORS OR AS OTHERWISE SPECIFIED. GROUNDS TO THE LNAS SHALL BE NO. 6 STANDARD GREEN INSULATED JUMPERS. THE GROUND WIRE TO THE MGB SHALL BE GREEN JACKETED STRANDED #2 TINNED WIRE BURNDY CONNECTED TO THE BUSS BAR AND CONNECTED TO THE GROUND RING ON A GROUND ROD.
2. #2 AWG, INSULATED STRANDED COPPER CABLE IS ACCEPTABLE FOR INTERIOR GROUND BAR CONDUCTORS ON TENANT IMPROVEMENT SITES.
3. 5/8" X 10" GROUND RODS OF SOLID COPPER, STAINLESS STEEL OR COPPER CLAD HIGH STRENGTH STEEL.
4. ABOVE GRADE CONNECTIONS SHALL BE BURNDY HYGROUND COMPRESSION. BELOW GRADE CONNECTIONS SHALL BE EXOTHERMIC WELD OR OTHER APPROVED EXOTHERMIC WELDING SYSTEM FOR BONDING AS SPECIFIED.
5. XIT OR ADVANCED GROUNDING ELECTRODE (AGE), ALL CHEMICAL GROUND RODS SHALL BE UL APPROVED.
6. SOLID COPPER PLATES OF MINIMUM 3'X3'X1/4" SIZE AS SPECIFIED.
7. NOALOX OR APPROVED EQUAL CONDUCTIVE MEDIUM MATERIAL SHALL BE USED IN ALL MECHANICAL CONNECTIONS.
8. #2 AWG STRANDED INSULATED (GREEN) FOR ALL INTERNAL EQUIPMENT GROUNDING.
9. MECHANICAL FASTENERS (I.E., DOUBLE LUGS, SPLIT BOLTS PARALLEL CONNECTORS) SHALL BE BRONZE, BRASS, COPPER OR STAINLESS STEEL AND HAVE NOALOX BETWEEN CONDUCTOR AND CONNECTION.
10. BOLTS, NUTS AND SCREWS USED TO FASTEN MECHANICAL CONNECTORS SHALL BE STAINLESS STEEL WITH STAR TYPE STAINLESS STEEL LOCK WASHERS.
11. ALL LUG TUBE FASTENERS SHALL PROVIDE TWO HOLES TO ALLOW A DOUBLE BOLT CONNECTION.

3.2 MASTER GROUND BAR (MGB): THE PURPOSE OF THE MASTER GROUND BAR IS TO GROUND THE BTS AND ANY OTHER METALLIC OBJECTS AROUND THE BTS. IF AN MGB IS NOT PROVIDED WITH THE BTS, THE MGB SHALL BE AS FOLLOWS: THE MGB IS A COPPER BAR MEASURING 4"W X 24"L X 1/4" LOCATED AS CLOSE TO THE BTS AS POSSIBLE. THE MGB SHALL HAVE A MINIMUM NUMBER OF (28) 3/8" HOLES. GROUND BAR SHALL BE SUPPORTED BY MOUNTING BRACKETS WITH INSULATOR STANDOFFS. (2) #2 TINNED SHALL BE MECHANICALLY ATTACHED (2-HOLE COMPRESSION LUG 3/8" HOLES, 1" CENTER TO CENTER SPACING) TO THE MGB AND DOWN LEADS THEN TAKEN THROUGH CONDUIT TO THE GROUND RING. THIS CONDUCTOR SHALL BE KEPT SEPARATE AND ISOLATED UNTIL TERMINATING AT THE MAIN GROUNDING POINT, (I.E. EXTERIOR GROUND RING OR BUILDING STEEL).

3.3 ANTENNA GROUND BAR (AGB): THE PURPOSE OF THE ANTENNA GROUND BAR IS PRIMARILY FOR LIGHTNING PROTECTION. COAXIAL CABLE IS USUALLY THE ONLY ITEM GROUNDED TO THIS BAR. HOWEVER IT IS ACCEPTABLE TO BOND EXTERIOR: CABLE TRAY, WAVE GUIDE PORTS AND CANTILEVERED WAVE GUIDE BRIDGES TO THE AGB. THE AGB IS A COPPER BAR MEASURING 4"W X 24"L X 1/4". THERE SHALL BE TWO AGBS, ONE LOCATED AT THE TOP OF THE TOWER AT THE START OF THE VERTICAL RUN OF COAX, THE OTHER AT THE BOTTOM OF THE VERTICAL RUN OF COAX BEFORE IT MAKES ITS BEND. (IF THE TOWER IS OVER 200' THERE SHALL BE A THIRD AGB LOCATED AT HE MIDDLE OF THE TOWER) THE AGB SHALL HAVE A MINIMUM OF (28) 3/8" HOLES. GROUND BARS SHALL BE SUPPORTED BY MOUNTING BRACKETS WITH INSULATOR STANDOFFS. USE #2 AWG SOLID TINNED WIRE W/ 2-HOLE SHORT BARREL COMPRESSION LUGS 3/8" HOLES, 1" CENTER TO CENTER SPACING). THIS CONDUCTOR SHALL BE KEPT SEPARATE AND ISOLATED UNTIL TERMINATING AT THE MAIN GROUNDING POINT (I.E. EXTERIOR GROUND RING, OR BUILDING STEEL.)

3.4 SURGE ARRESTOR GROUND BAR: THE PURPOSE OF THE SURGE ARRESTOR GROUND BAR IS FOR LIGHTING PROTECTION. THE SURGE ARRESTOR GROUND BAR IS A BENT (3" X 3") X 1/4" X 24" COPPER BAR. IT IS LOCATED ON THE WAVEGUIDE BRIDGE SUPPORT CLOSEST TO THE EQUIPMENT. ONE FACE OF THE BAR SHALL HAVE A MINIMUM OF (28) 3/8" DIA. HOLES. HOLES SHALL BE IN PAIRS THAT ARE 1" CENTER TO CENTER. THE OTHER FACE SHALL HAVE 3/8" DIA. HOLES AS REQUIRED TO ATTACH AND GROUND COAXIAL SURGE ARRESTORS. THE GROUND BAR SHALL BE SUPPORTED BY MOUNTING BRACKETS WITH INSULATOR STANDOFFS.

3.5 GROUND ROD AND GROUND RING PLACEMENT: THE OUTSIDE GROUND RING SHALL BE PLACED AROUND THE BTS AT A DISTANCE OF TWO (2) FEET FROM THE BTS AT A DEPTH OF 2'-6" OR 6" BELOW THE FROST LINE, WHICHEVER IS DEEPER. RODS SHALL BE DRIVEN TO A DEPTH SUCH THAT THE TOP OF THE RODS IS AT THE LEVEL OF THE GROUND RING CONDUCTOR. THE RODS SHALL BE PLACED MINIMALLY ALONG THE RING AT THE FOLLOWING LOCATIONS:

- A. BELOW THE AREA OF THE INTERNAL MASTER GROUND BAR FOR CONNECTION TO THE MGB.
- B. BELOW THE UTILITY RACK FOR CONNECTION TO THE MAIN BUILDING COMMERCIAL POWER DISCONNECT.
- C. BELOW THE CORNERS OF THE BTS.
- D. AS REQUIRED TO ACHIEVE A RECOMMENDED SPACING OF TWENTY (20) FEET BETWEEN GROUND RODS ALONG THE RING PERIMETER.
- E. AS REQUIRED ALONG THE RING PERIMETER TO ACHIEVE 5 OHMS OR LESS RESISTANCE WHEN TESTED.
- F. TWO RODS LOCATED ON OPPOSITE SIDES AT EACH TOWER LEG OR MONOPOLE.
- G. ONE ROD LOCATED BENEATH EACH END OF THE WAVE GUIDE BRIDGE OR CABLE TRAY.
- H. ONE ROD LOCATED ADJACENT TO THE STANDBY GENERATOR, AND IF SEPARATED BY MORE THAN TEN (10) FEET, ONE LOCATED ADJACENT TO THE FUEL TANK.
- I. ONE ROD LOCATED AT THE BASE OF THE TOWER FOR THE TGB.

3.6 TOWER GROUNDING: ALL MONOPOLES SHALL HAVE TWO GROUND RODS (MINIMUM). ALL OTHER TOWERS SHALL HAVE TWO GROUND RODS PLACED AT THE BASE OF EACH TOWER LEG. EACH MONOPOLE OR TOWER LEG SHALL BE BONDED TO THE SYSTEM VIA TWO #2 BARE TINNED SOLID COPPER CONDUCTORS. BURNDY CONNECT THE CONDUCTORS TO ONLY STRUCTURAL BASE PLATES OR LUGS OR EARS AS MAY BE PROVIDED. NO BURNDY CONNECTIONS SHALL BE MADE TO THE VERTICAL WALLS OF THE STRUCTURE. NEVER GROUND TO HOLLOW LEG MEMBERS.

3.7 ANTENNA GROUNDING: EACH ANTENNA COAXIAL CABLE SHALL TYPICALLY BE GROUNDED AT THREE POINTS USING A HARD-SHELL COAXIAL CABLE KIT FROM THE MANUFACTURER OF THE ANTENNA CABLE. A TYPICAL INSTALLATION SHALL BE AS FOLLOWS:

- A. THE FIRST GROUND CONNECTION SHALL OCCUR AS CLOSE TO THE ANTENNA AS POSSIBLE, BELOW THE FIRST POINT THE COAX CABLE BEGINS TO RUN VERTICAL DOWN THE TOWER. THIS GROUND SHALL TERMINATE DIRECT TO THE TOP AGB. ON A T/I, GROUND TO THE AGB AT THE ANTENNA MOUNTS.
- B. THE SECOND GROUND SHALL BE MADE AT THE BOTTOM OF THE VERTICAL RUN OF THE COAXIAL CABLE AS IT TURNS OUT AWAY FROM THE TOWER TOWARDS THE BTS. THIS GROUND SHALL BE TERMINATED AT THE TGB. THE TGB SHALL HAVE TWO (2) LEADS OF #2 AWG BARE TINNED SOLID COPPER WIRE, AND SHALL TERMINATE AT THE TOWER GROUND RING. THESE SHALL BE ENCASED IN PVC PIPE.
- C. THE THIRD GROUND SHALL BE ON THE SURGE ARRESTOR. GROUND TO BE ATTACHED TO THE CABLE ON STRAIGHT RUNS (NOT WITHIN BENDS) AND BE WEATHERPROOFED PER THE MANUFACTURER'S SPECIFICATIONS. THE SURGE ARRESTORS SHALL BE GROUNDED TO THE GROUND BAR. THE SAGB SHALL HAVE TWO (2) LEADS OF #2 AWG BARE TINNED SOLID COPPER WIRE, AND SHALL TERMINATE AT THE TOWER GROUND RING. THESE SHALL BE ENCASED IN PVC PIPE.

3.8 PERIMETER FENCE GROUNDING:

- A. ALL FENCE CORNER AND END POSTS (MINIMUM OF TWO) SHALL HAVE ONE #2 SOLID TINNED COPPER GROUND WIRE CONNECTED TO A 5/8" X 10' SOLID COPPER CLAD GROUND ROD NEXT TO THE POST. THESE POSTS SHALL BE CONNECTED TO THE GROUND RING WITH A #2 SOLID TINNED COPPER GROUND WIRE AND INTERMEDIATE GROUND RODS IF THE DISTANCE FROM THE POST TO THE GROUND RING EXCEEDS 10 FEET. IN NO CASE SHALL ANY PORTION OF THE SAME FENCE REMAIN DISCONNECTED FROM THE GROUND RING.
- B. GATE POSTS SHALL BE GROUNDED TO EACH OTHER TO ENSURE THE ENTIRE FENCE HAS ELECTRICAL CONTINUITY. CONNECTIONS SHALL BE DRILL AND TAP WITH BURNDY TYPE KC22 TO THE POST WITH A #2 AWG BARE SOLID TINNED COPPER WIRE.
- C. GATES SHALL BE BONDED TO GATE POSTS WITH A 18" BRAIDED STRAP TYPE BD18G92. THE CONNECTIONS SHALL BE BURNDY 2-HOLE LUGS (3/8" HOLES, 1" CENTER TO CENTER) BOLTED THROUGH EACH POST.
- D. ALL DOWN LEADS TO EARTH WILL BE ENCASED IN 3/4 INCH PVC NON-METALLIC AND SEALED WITH SILICONE.

3.9 GENERATOR FUEL TANK GROUNDING: THE GENERATOR FUEL TANK, IF REQUIRED, SHALL BE CONNECTED IN AT LEAST ONE PLACE TO THE MAIN EXTERIOR GROUND RING. #2 AWG BARE SOLID TINNED COPPER WIRE SHALL BE BURNDY CONNECTED TO ONE SUPPORT LEG OF THE FUEL TANK AND EXOTHERMIC WELD TO THE NEAREST EXTERIOR GROUND RING/GROUND ROD.

3.10 EQUIPMENT ROOM GROUNDING: THE MASTER GROUND BAR (MGB) SERVES AS THE COLLECTION POINT FOR THE BTS AS WELL AS ALL INTERIOR NON-ELECTRICAL GROUNDED METAL MATERIALS (HVAC GRILLS, DOOR FRAMES/DOORS, TELCO BOARD, UNISTRUTS, CABLE TRAYS, ALARM JUNCTION BOX, ETC.) SHALL BE GROUNDED WITH #6 AWG STRANDED (GREEN) GROUND WIRES WITH INDIVIDUAL RUNS BACK TO THE MGB. (THE CABLE TRAY, DOOR/FRAME AND UNISTRUT MAY BE JUMPERED TOGETHER AND HAVE A SINGLE GROUND WIRE CONNECTION TO THE MGB.)

3.11 WALL PENETRATIONS SLEEVES: INSTALL PER CONSTRUCTION DRAWINGS.

3.12 A/C COMMERCIAL POWER GROUNDING CONNECTIONS: AT THE ON-SITE RISER POLE LOCATION OR UNDERGROUND SERVICE ENTRANCE LOCATION, THE A/C SERVICE SHALL BE MECHANICALLY BONDED TO THE A/C SERVICE ENTRANCE GROUND AS SPECIFIED BY THE NATIONAL ELECTRIC CODE, ARTICLE 250, AND/OR APPROPRIATE LOCAL CODES. A SEPARATE GROUND ROD SHALL BE PROVIDED AT THIS POINT, AND SHALL BE CONNECTED TO THE EXTERIOR GROUND RING. A SEPARATE A/C SERVICE GROUND AND NEUTRAL SHALL THEN BE ROUTED TO AND CONNECTED TO THE MAIN DISCONNECT INSIDE THE BUILDING OR AS REQUIRED BY LOCAL AUTHORITY.

3.13 GENERATOR RECEPTACLE GROUNDING: THE GENERATOR RECEPTACLE (HUBBLE PLUG) SHALL BE GROUNDED TO THE EGR.



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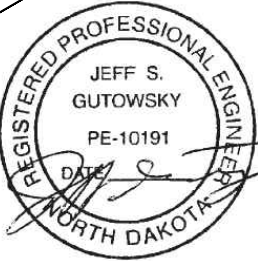
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3.14 COAX BRIDGE / CABLE TRAY GROUNDING : BOND THE COAX BRIDGE OR CABLE TRAY TO THE AGB WITH #2 SOLID TINNED GROUND WIRE. THESE CONNECTIONS SHALL BE DOUBLE LUG BOLTED / SCREWED MECHANICAL CONNECTIONS WITH STAR LOCK WASHERS AND NOALOX. ALL BRIDGE SPLICES SHALL HAVE JUMPERS OF #2 SOLID WITH COMPRESSION LUGS.

3.15 EXOTHERMIC WELD & BURNDY CONNECTION: EXOTHERMIC WELDS AND BURNDY CONNECTIONS SHALL BOND ALL UNDERGROUND AND DAMP LOCATION CONNECTIONS, SHELTER SKID GROUNDS, TOWER OR MONOPOLE GROUNDS, FENCING CORNER AND GATE POSTS, ANTENNA GROUND BARS, (AGB) SURGE ARRESTER GROUND BAR, AND THE MASTER GROUND BAR (MGB). MECHANICAL CONNECTIONS SHALL BE TYPICALLY USED TO BOND ALL INTERIOR EQUIPMENT, COAX CABLE BRIDGES AND COAXIAL CABLE GROUND KITS. ALL LUG TYPE MECHANICAL CONNECTORS TO THE MGB OR AGB SHALL BE TWO HOLE TYPE CONNECTED WITH STAINLESS STEEL BOLTS AND NUTS WITH STAINLESS STEEL LOCK WASHERS AND NOALOX ON EITHER SIDE OF THE BUSS BAR.

3.16 CHEMICAL GROUND RODS: CHEMICAL GROUND RODS SHALL NOT BE INSTALLED ON GROUND RING INSTALLATIONS WITH NORMAL SOIL. CHEMICAL GROUND RODS SHALL BE INSTALLED ONLY FOR SPECIAL DESIGN APPLICATIONS THAT REQUIRE SINGLE POINT GROUNDING DUE TO SPECIFIC SITE CONDITIONS.

3.17 TENANT IMPROVEMENT SITE GROUNDING: FOR ROOF TOP ANTENNA INSTALLATIONS ADDITIONAL ANTENNA GROUND BARS MAY HAVE TO BE INSTALLED AT EACH ANTENNA MOUNT LOCATION. ALL ANTENNA MOUNTS SHALL BE GROUNDED WITH A #2 AWG CONDUCTOR CONNECTED TO THE NEAREST BUILDING STEEL OR THE AGB INSTALLED AT THE MOUNT. ALL BUSS BARS, BOTH MGB AND AGB(S), SHALL BE INDEPENDENTLY TIED TO THE NEAREST BUILDING STEEL OR DESIGNATED GROUNDING SYSTEM. NO GROUND WIRE IS TO CONNECT THE BUSS BARS TOGETHER. AGB(S) MAY BE HOME RUN BACK TO THE MGB WHERE NO BUILDING STEEL IS AVAILABLE.

3.18 LIMITS OF BEND RADIUS: IT IS IMPORTANT THAT THE GROUNDING CONDUCTOR CONNECTING THE INSIDE AND OUTSIDE GROUND SYSTEMS BE AS STRAIGHT AS POSSIBLE. WITH NO TURN OR BEND SHORTER THAN ONE FOOT RADIUS WITH A THREE FOOT RADIUS PREFERRED. NO RIGHT ANGLE OR SHARP BENDS SHALL BE ALLOWED.

3.19 BONDING PREPARATION & FINISH: ALL SURFACES REQUIRE PREPARATION PRIOR TO BONDING OF EITHER EXOTHERMIC WELD OR BURNDY FASTENERS. GALVANIZED SURFACES SHALL BE GROUND OR SANDED TO THE POINT OF EXPOSING THE STEEL SURFACE BELOW, PRIOR TO BONDING THE GROUND CONDUCTOR. FOR OTHER SURFACES INCLUDING COPPER BUSS BARS ALL PAINT, RUST TARNISH AND GREASE SHALL BE REMOVED PRIOR TO BONDING THE GROUND CONDUCTOR. EXOTHERMIC WELD TYPE BONDS SHALL BE FINISHED WITH THE APPLICATION OF COLD GALVANIZATION AND WHEN APPLICABLE, FINISH PAINTED WITH AN APPROPRIATE COLOR AS REQUIRED. MECHANICAL TYPE BONDS ON BUSS BARS SHALL BE FINISHED WITH THE APPLICATION OF NOALOX OR OTHER APPROVED CONDUCTIVE MEDIUM MATERIAL BETWEEN CONNECTOR AND BUSS BAR. MECHANICAL TYPE BONDS ON ALL OTHER SURFACES SHALL BE FINISHED WITH THE APPLICATION OF COLD GALVANIZATION AND/OR THE APPROPRIATE PAINT TO MATCH AS REQUIRED.

3.20 TESTING: THE OUTSIDE GROUND RING SHALL BE TESTED AFTER INSTALLATION BUT PRIOR TO BACKFILLING THE GROUND RING TRENCH. THE GROUND FIELD RESISTANCE SHALL MEASURE 5 OHMS OR LESS TO GROUND. ANY DIFFICULTY IN ACHIEVING THIS LEVEL OF RESISTANCE MUST BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER. THE RESISTANCE TO GROUND SHALL BE MEASURED USING THE FALL OF POTENTIAL METHOD. TESTING SHALL BE PERFORMED BY AN OWNER PROVIDED INDEPENDENT TESTING LABORATORY FROM WHICH A WRITTEN REPORT SHALL BE PRODUCED FOR REVIEW BY THE PROJECT MANAGER.

3.21 SPECIAL CONDITIONS: WHEN SOIL CONDITIONS EXIST (I.E., NON-COMPACTABLE ROCK, GRAVEL, SHALE, ETC.) THAT PREVENTS THE INSTALLATION OF THE STANDARD GROUNDING SYSTEM AND PROCEDURES, THEN VERBAL PROCEDURES SHALL BE REQUESTED BY THE PM.

3.22 EXTERNAL GROUND RING: THE EXTERNAL GROUND RING SHALL EXTEND TO THE MAXIMUM ALLOWABLE DEPTH IN 95% COMPACTED SOIL

3.23 GROUND RODS (REPLACEMENT): WHEN GROUND RODS CANNOT BE DRIVEN INTO THE SOIL VERTICALLY TO A DEPTH DESCRIBED IN PARAGRAPH 3.5, AND REMAIN IN 95% COMPACTED SOIL, THEN THE FOLLOWING METHODS OF SUBSTITUTION MAY BE USED. THESE ARE SUGGESTED METHODS ONLY, AND EACH CASE SHOULD BE REVIEWED BY THE T-MOBILE PROJECT MANAGER. THE PURPOSE IS TO ACHIEVE THE LOWEST IMPEDANCE TO GROUND, IN ANY CASE, EQUAL TO OR LESS THAN 5 OHMS.

- 3.24 ROCK WITH SOME OR NO SOIL COVER: FOR SITES WHICH HAVE SOIL CONDITIONS WHICH CONSIST OF SOLID OR SEMI SOLID ROCK BELOW ABOUT THREE FEET OF COMPATIBLE SOIL, A COMBINATION OF METHODS MAY BE USED:
- A. A COMBINATION OF SHORT GROUND RODS MAY BE USED WITH 3' SQUARE 1/4" COPPER PLATES. A MINIMUM OF TWO PLATES SHOULD BE USED AND SHOULD REPLACE GROUND RODS ON AN EQUIVALENCY OF TWO GROUND ROD LENGTHS PER COPPER PLATE. THE COPPER PLATE SHOULD BE PLACED IN A MINIMUM 3" BENTONITE BASE AND COVERED WITH 3" OF BENTONITE FILL PRIOR TO BACKFILL.
 - B. AN ACTIVE TYPE CHEMICAL ROD SYSTEM MAY BE USED. THIS IS AN ENGINEERING JUDGMENT AND SHOULD BE USED ONLY WHERE NECESSARY, DUE TO EXPENSE. IN ALL CASES, THE STANDARD PRACTICES OUTLINED IN THIS DOCUMENT SHOULD BE FOLLOWED TO THE EXTENT THAT IS APPLICABLE, AND SHOULD BE MODIFIED AS TO THE QUANTITY OF GROUND RODS AND CONDUCTOR SIZE ONLY AS RECOMMENDED BY THE MANUFACTURER OF THE GROUND ROD SYSTEM.
 - C. A SYSTEM UTILIZING CORED SHAFTS, STANDARD GROUND RODS ON A TYPICAL LAYOUT, WITH A BENTONITE (CLAY) BACKFILL. IN THIS CASE EACH GROUND ROD SHOULD BE TESTED INDIVIDUALLY, AND EACH ROD SHOULD HAVE AN ACCESS BOX PLACED FOR FUTURE TESTING.

3.25 HIGH RISE BUILDING:

- A. HIGH RISE BUILDINGS PRESENT A UNIQUE PROBLEM IN GROUNDING. A FACILITY INVESTIGATION SHOULD BE MADE INTO THE STRUCTURE OF THE BUILDING, AND AS TO THE POSSIBLE PRESENCE OF AN EXISTING LIGHTNING PROTECTION SYSTEM. IF ONE IS IN PLACE AND APPEARS ADEQUATE IN DESIGN, IT WILL BE NECESSARY TO CONNECT THE ANTENNA SYSTEM TO THE EXISTING SYSTEM, WITH A TEST TO THE SYSTEM AFTER INSTALLATION TO ENSURE THAT IT HAS NOT CAUSED THE SYSTEM TO EXCEED 5 OHMS.
- B. STRUCTURAL STEEL BUILDINGS: IF THE BUILDING IS BUILT OF STRUCTURAL STEEL, IT MAY BE POSSIBLE TO GROUND THE ANTENNAS TO THE BUILDING SITE. IT IS PREFERABLE TO GROUND THE ANTENNAS AND THE SITE TO A DIRECT EARTH CONNECTION, BY USE OF SEPARATE DOWN LEADS OF CONSIDERABLE SIZE (250 MCM OR LARGER) COMING FROM GROUND BUSS BARS TO COLLECT THE GROUND INPUT, AND RUN DOWN A VERTICAL SHAFT OR STAIRWELL TO A PATTERN OF NO LESS THAN FOUR GROUND RODS. WHERE PRACTICAL, THE BUILDING STEEL SHOULD BE BONDED TO THE GROUND RING WITH A SEPARATE LEAD TO THE GROUND ROD FIELD.
- C. A SYSTEM STRUCTURAL CONCRETE BUILDINGS ARE MORE DIFFICULT TO GROUND PROPERLY. THE ANTENNAS SHOULD BE GROUNDED TO A SEPARATE BUSS BAR AND DOWN LEAD WHERE THE COAXIAL CABLES ENTER THE BUILDING. THE DOWN LEAD SHOULD BE RUN IN A SIMILAR FASHION AS IN THE STRUCTURAL STEEL EQUIPMENT ROOM. THE DOWN LEADS SHOULD BE PROTECTED IN CONDUIT AND SHOULD BE INSTALLED AS FAR APART AS IS PRACTICAL FROM EACH OTHER. THE SEPARATE DOWN LEADS SHOULD NOT CONTACT EACH OTHER UNTIL CONNECTION WITH THE FIRST GROUND ROD



T-Mobile

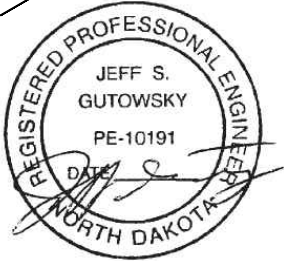
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GN-3

GENERAL NOTES
Page 22 of 175

GENERAL SITE NOTES:

- 1. CONTRACTOR WILL NOT START CONSTRUCTION UNTIL AFTER THEY HAVE RECEIVED THE PRE-CON PACKAGE AND HAVE A PRE-CON WALK WITH THE PROJECT MANAGER.
- 2. CONTRACTOR TO HIRE PUBLIC (811) AND PRIVATE LOCATING SERVICE IN ORDER TO LOCATE AND PROTECT ALL SURFACE UTILITIES. DO NOT SCALE OFF THESE PLANS FOR ANY BELOW GRADE UTILITIES
- 3. CONTRACTOR SHALL VERIFY ALL EXISTING BURIED AND OVERHEAD UTILITIES PRIOR TO EXCAVATION. CONTRACTOR SHALL REPAIR ALL DAMAGED UTILITIES AT HIS OWN COST AND COORDINATE ANY REPAIRS WITH RESPECTIVE UTILITY COMPANY.
- 4. CONTRACTOR TO VERIFY ALL HEIGHTS AND AZIMUTHS IN FIELD PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY T-MOBILE AND ENGINEERING FIRM OF ANY DISCREPANCIES BEFORE PROCEEDING.
- 5. CONTRACTOR SHALL RESTORE AND REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION.



OVERALL SITE PLAN

SCALE: 1" = 100'-0"

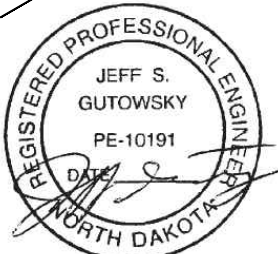
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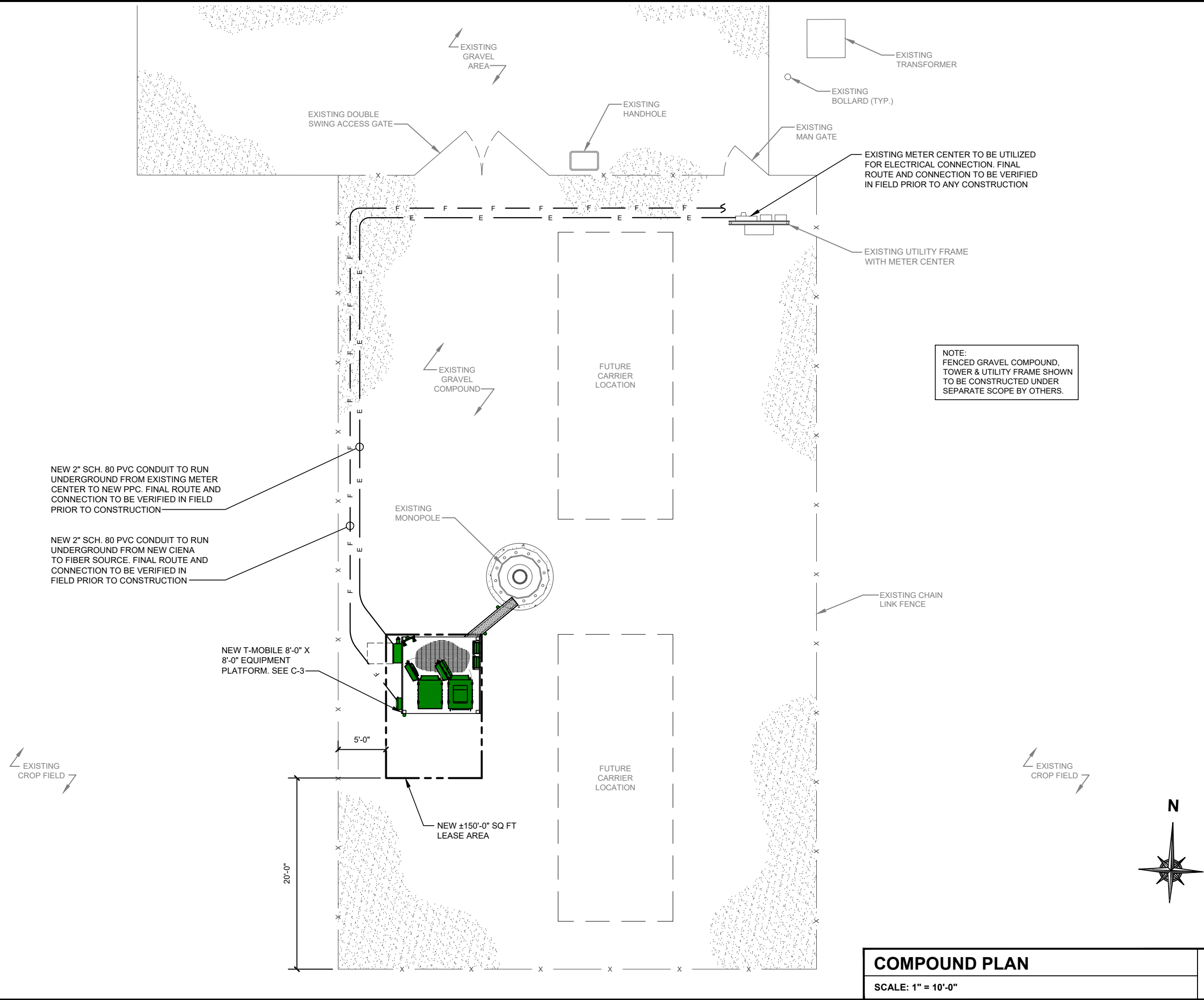


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C-1

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OVERALL SITE PLAN



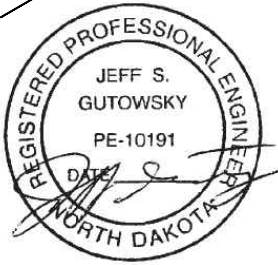
NOTE:
FENCED GRAVEL COMPOUND,
TOWER & UTILITY FRAME SHOWN
TO BE CONSTRUCTED UNDER
SEPARATE SCOPE BY OTHERS.



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COMPOUND PLAN

SCALE: 1" = 10'-0"

1

C-2
COMPOUND PLAN
Page 24 of 175

LEGEND

- EXISTING EQUIPMENT
- NEW EQUIPMENT
- RELOCATED EQUIPMENT
- REMOVED EQUIPMENT

NOTE:
CONTRACTOR TO INSTALL NEW
CABINET SUPPORT FOR NEW
SITE SUPPORT CABINET &
BATTERY CABINET. SEE 3/A-7

- NOTES:
- GC TO MAKE SURE THE FANS ARE FLIPPED ON THE FLEXI MODULES PRIOR TO INSTALLING IN THE HPL3 TO ALLOW PROPER COOLING OF THE MODULE.
 - FSEE TO BE INSTALLED INTO THE HPL3 CABINET.
 - GC TO VERIFY THERE IS A 8" GAP BETWEEN THE HPL3 AND LG BBU TO ALLOW PROPER ACCESS TO THE CABINET.
 - GC TO ENSURE THERE IS A 24" MINIMUM CLEARANCE FROM THE BACK OF THE HPL3 TO ALLOW FOR FUTURE SERVICING OF THE FILTERS IN THE BACK OF THE CABINET.
 - GPS CABLE TO BE REROUTED THROUGH THE OVP INTO CONDUIT FOR THE HPL3 CABINET TO NOT HAVE ANOTHER HOLE IN THE CABINET.
 - GC TO REFERENCE THE HPL3 INSTALLATION GUIDELINES AND INSTALLATION MANUAL WHEN INSTALLING THE HPL3 & THE LB3 CABINETS.
 - GC TO VERIFY THAT THE OVP IS PROPERLY WIRED WITH THE CORRECT GAUGE WIRE AND BREAKER FROM THE HPL3 TO THE OVP.
 - * IF IT IS HCS 1.0 THE GC WILL NEED TO PULL (4) #6 BLUE & (4) #6 WIRES GOING FROM THE 200A DC BREAKER IN THE SSC TO THE OVP.
 - * IF IT IS THE HCS 2.0 THE GC WILL NEED TO PULL (3) #2 BLUE WIRES & (3) #2 BLACK WIRES GOING FROM THE SSC TO THE OVP. THERE SHOULD BE A PAIR OF BLUE & BLACK WIRES GOING TO A 100A DC BREAKER PER SECTOR INSTALLING A TOTAL OF (3) 100A BREAKERS.
 - GC TO INSTALL NEW AIRSCALE MODULES IN AMIA'S WITHIN THE HPL3 - FSMF TO GO INTO THE HPL3 AS WELL.
 - GC TO REFER TO LATEST SA, RFDS AND PORT MATRIX TO ENSURE ACCURATE EQUIPMENT CALL OUTS AND PLUMBING.
 - GC TO ENSURE NEW CABINETS SIT OVER A MINIMUM OF 2 STRUCTURAL STEEL ELEMENTS (I-BEAMS OR ANGLE IRON) AND ARE ANCHORED/SECURED TO THAT STRUCTURAL STEEL.

NOTE:
WT'S SCOPE OF WORK DOES NOT INCLUDE A
STRUCTURAL ANALYSIS OF THE EQUIPMENT
PLATFORM. NEW EQUIPMENT SHOWN ON THIS
PLAN HAVE NOT BEEN EVALUATED TO VERIFY THE
PLATFORM HAS THE CAPACITY TO ADEQUATELY
SUPPORT THE CABINETS/EQUIPMENT, PRIOR TO
ANY EQUIPMENT INSTALLATION, A STRUCTURAL
EVALUATION OF THE EQUIPMENT PLATFORM,
INCLUDING ALL EQUIPMENT CABINET SUPPORT
BRACING & HARDWARE SHALL BE PERFORMED.

- NOTES:
1. CONTRACTOR TO INSTALL VOLTAGE BOOSTER IF HYBRID IS UNDER 250'-0".
 2. CONTRACTOR TO INSTALL EXTRA BOOSTER AMPLIFIER IF HYBRID IS UNDER 250'-0".

NOTE:
FENCED GRAVEL COMPOUND,
TOWER & UTILITY FRAME SHOWN
TO BE CONSTRUCTED UNDER
SEPARATE SCOPE BY OTHERS.

EXISTING CHAIN
LINK FENCE

NEW 200A PPC TO BE INSTALLED
ON NEW UNISTRUT. SEE 1/E-2

NEC
CLEARANCE

NEW HD LED SAFETY
LIGHT WITH TIMER TO BE
INSTALLED. SEE 3&4/E-2

NEW T-MOBILE 8'-0" X 8'-0" STEEL
EQUIPMENT PLATFORM WITH
ICE CANOPY. CONTRACTOR TO
VERIFY PART# WITH T-MOBILE
PRIOR TO CONSTRUCTION

NEW ICE BRIDGE TO BE
INSTALLED. SEE 1/C-5

(2) NEW HCS 2.0 TRUNKS
TO BE INSTALLED

(2) NEW OVP'S TO BE INSTALLED
ON NEW UNISTRUT. SEE 1/A-8

NEW WIRE TROUGH
TO BE INSTALLED

- MODULES INSIDE SITE SUPPORT CABINET:
- (1) NEW GSM-PCS FSMF W/ FANS REVERSED
 - (1) NEW AMIA WITH (1) ASIB CORE MODULE,
(1) ASIK CORE MODULE, (3) ABIC CAPACITY
MODULES AND (3) ABIL CAPACITY MODULES
 - (1) NEW AMIA WITH (1) ASIB CORE MODULE,
(1) ASIK CORE MODULE, (3) ABIA CAPACITY
MODULES AND (3) ABIL CAPACITY MODULES

NEW SITE SUPPORT CABINET
TO BE INSTALLED. SEE 1/A-9:
• NEW CSR IXRe V2
• NEW FSEE

NEW CIENA TO BE INSTALLED
ON NEW UNISTRUT. SEE 1/A-7

(1) NEW FYGA GPS ANTENNA
TO BE INSTALLED. SEE 2/C-5

NEW BATTERY CABINET TO
BE INSTALLED. SEE 2/A-9

NEW ±150'-0" SQ FT
LEASE AREA

EXISTING
GRAVEL
COMPOUND



ENLARGED EQUIPMENT PLAN

SCALE: 3/8" = 1'-0"

1



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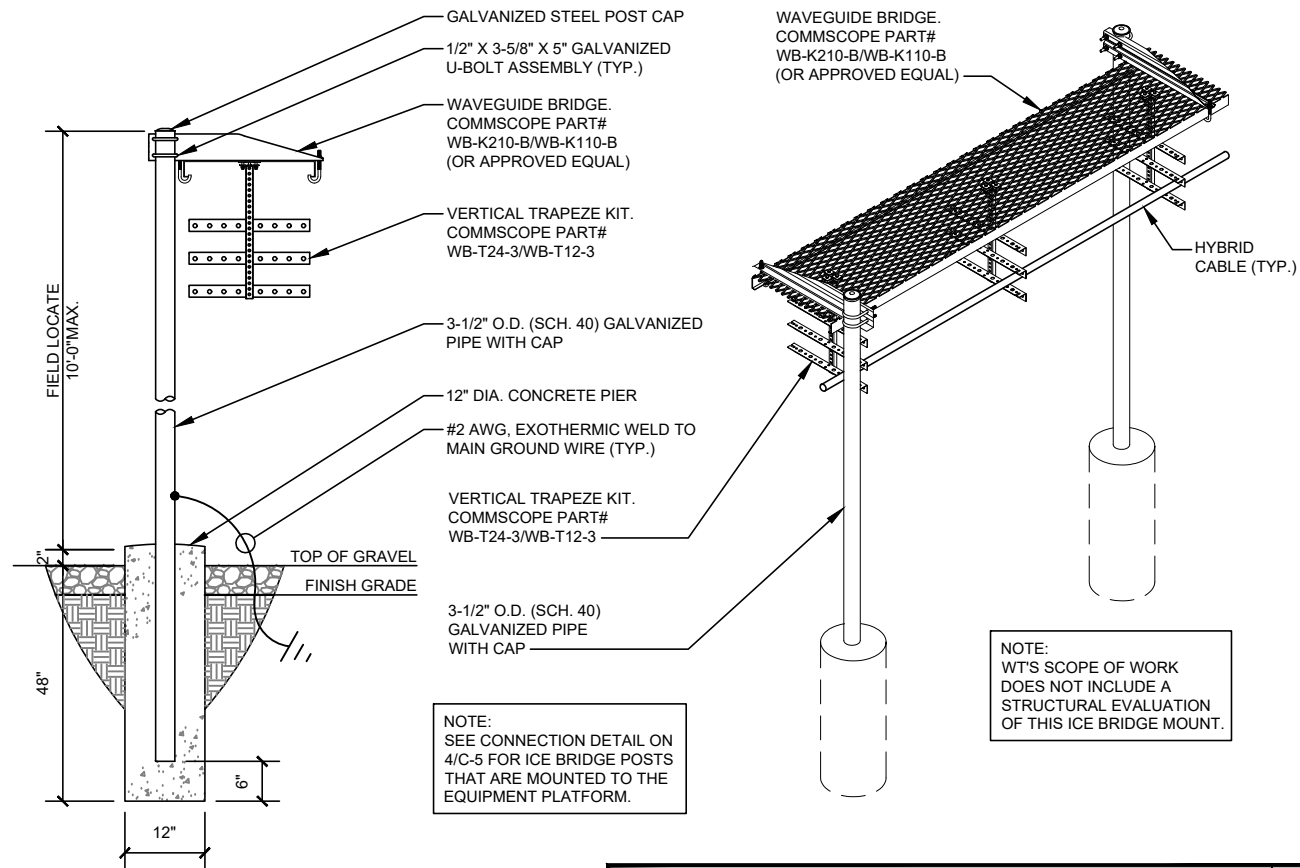
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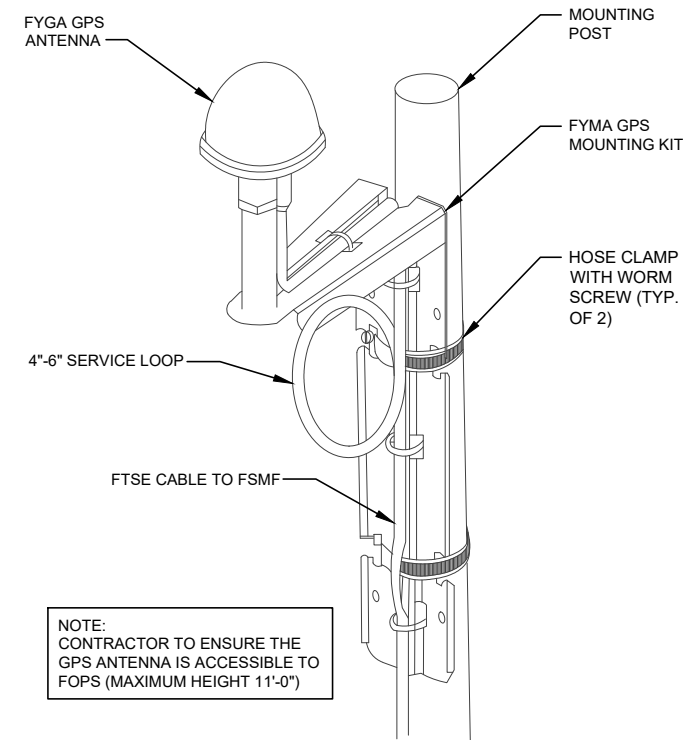
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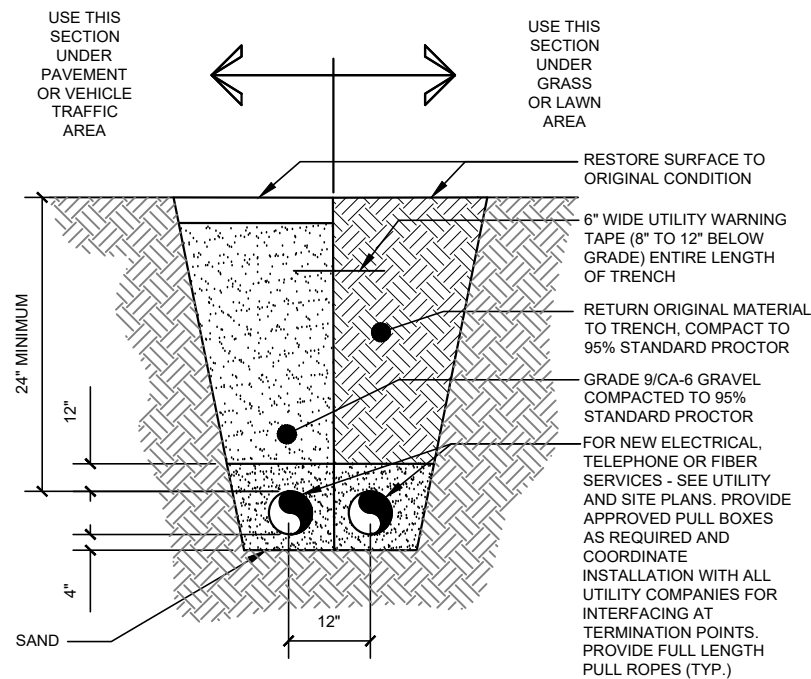
JOB: T2200357



ICE BRIDGE DETAIL	1
SCALE: NONE	



FYGA GPS ANTENNA DETAIL	2
SCALE: NONE	



UTILITY TRENCH DETAIL	3
SCALE: NONE	

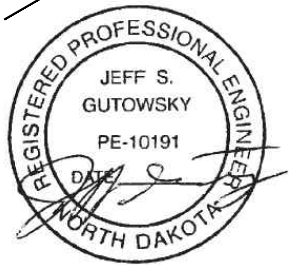
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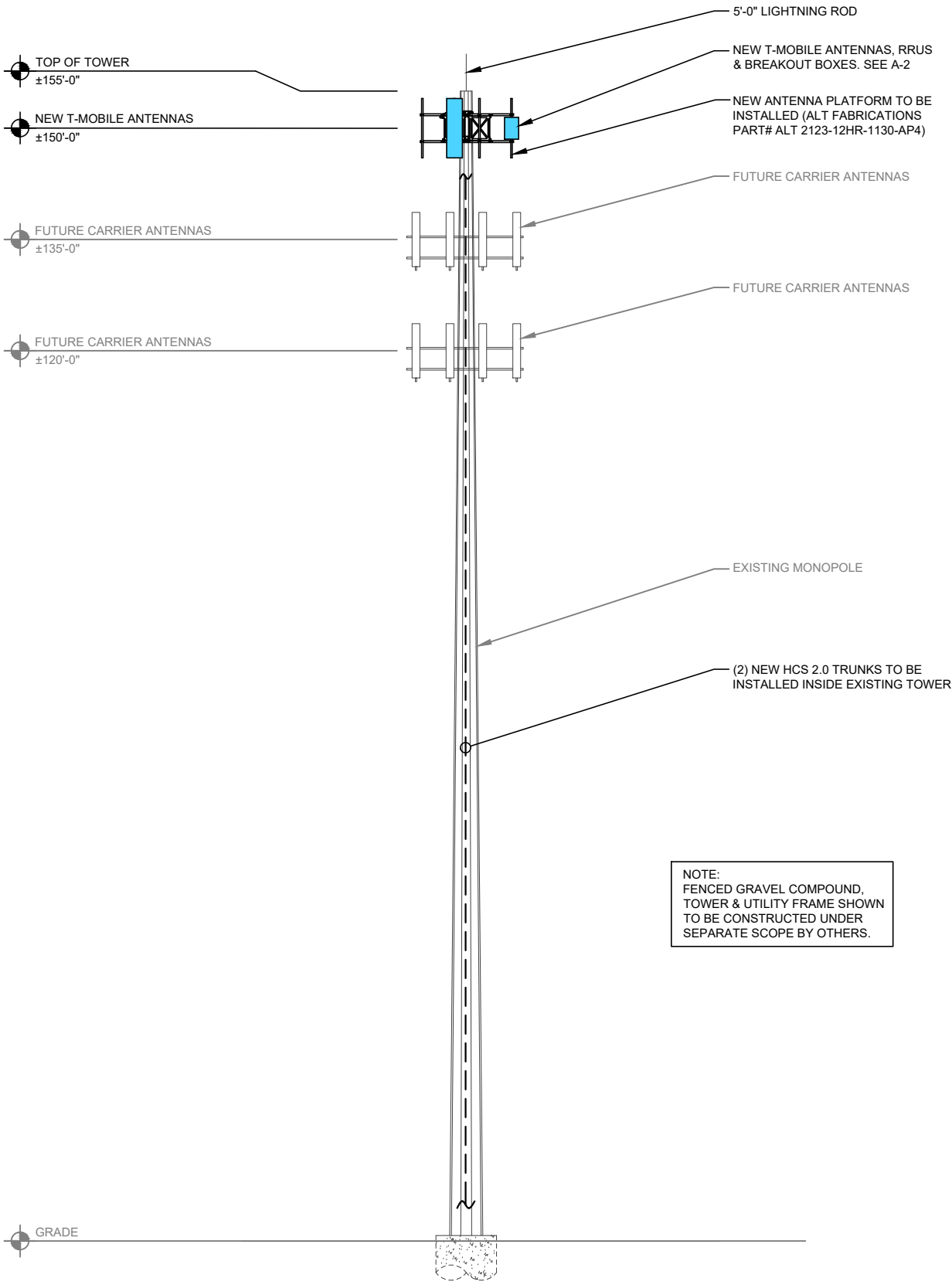
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LEGEND

- EXISTING EQUIPMENT
- NEW EQUIPMENT
- RELOCATED EQUIPMENT
- REMOVED EQUIPMENT



- NOTE:
- CONTRACTOR TO VERIFY ALL HEIGHTS AND AZIMUTHS IN FIELD PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY T-MOBILE AND ENGINEERING FIRM OF ANY DISCREPANCIES BEFORE PROCEEDING.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING FINAL RF CONFIGURATION AND NOTIFY T-MOBILE AND ENGINEERING FIRM WITH ANY DISCREPANCIES.
 - CONTRACTOR SHALL VERIFY ALL FINAL CONNECTION LOCATIONS WITH T-MOBILE ENGINEER, RF ENGINEER, AND NET-OPS PRIOR TO INSTALLATION.
 - CONTRACTOR TO ARRANGE NEW MODULES/EQUIPMENT TO AVOID INTERFERING WITH SAFETY CLIMB.
 - CONTRACTOR TO USE PROPER TORQUE WRENCH WHEN INSTALLING AND TIGHTENING CONNECTORS TO INSURE PROPER FIT.

NOTE:
WT'S SCOPE OF WORK DOES NOT INCLUDE A STRUCTURAL EVALUATION OF THIS ANTENNA MOUNT. NEW ANTENNAS AND EQUIPMENT SHOWN ON THIS PLAN HAVE NOT BEEN EVALUATED TO VERIFY THE MOUNT HAS THE CAPACITY TO ADEQUATELY SUPPORT THESE ANTENNAS. PRIOR TO ANY ANTENNA OR EQUIPMENT INSTALLATION, A STRUCTURAL EVALUATION OF THE MOUNT, INCLUDING ALL ANTENNA MOUNTING SYSTEMS & HARDWARE SHALL BE PERFORMED.

NOTE:
A STRUCTURAL ANALYSIS OF THE TOWER OR STRUCTURE HAS BEEN COMPLETED BY TOWER ENGINEERING SOLUTIONS ON MARCH 30, 2022. THE LOCATION AND MOUNTING SHOWN IN THE STRUCTURAL ANALYSIS SHALL SUPERSEDE THESE DRAWINGS.

NOTE:
ANTENNA CENTERLINE'S VERTICAL OFFSET FROM PLATFORM DECK OR HORIZONTAL CENTER OF SECTOR FRAME SHALL NOT EXCEED 6".

TOWER ELEVATION

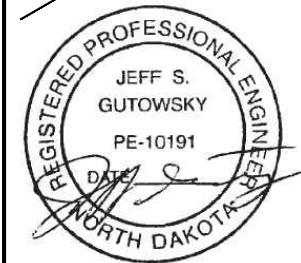
SCALE: 1" = 20'-0"

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LEGEND

- EXISTING EQUIPMENT
- NEW EQUIPMENT
- RELOCATED EQUIPMENT
- REMOVED EQUIPMENT

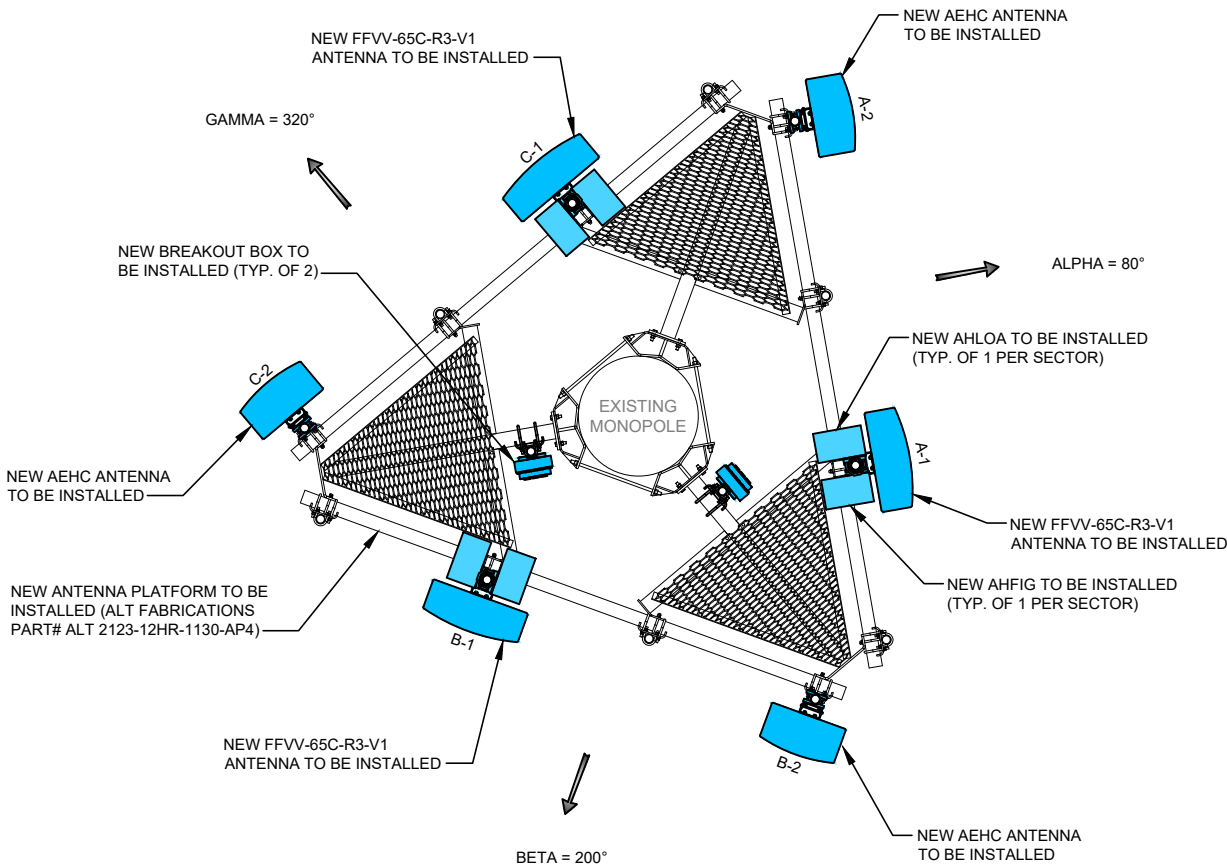
ANTENNA & CABLE SCHEDULE

SECTOR	ALPHA		BETA		GAMMA	
LOCATION	A-2	A-1	B-2	B-1	C-2	C-1
TECHNOLOGY	L2500, N2500	LTE 600, LTE 700, N600, LTE AWS, LTE PCS, GSM PCS, N1900, N2100, LAWS3	L2500, N2500	LTE 600, LTE 700, N600, LTE AWS, LTE PCS, GSM PCS, N1900, N2100, LAWS3	L2500, N2500	LTE 600, LTE 700, N600, LTE AWS, LTE PCS, GSM PCS, N1900, N2100, LAWS3
AZIMUTH	80°		200°		320°	
RAD CENTER	150'-0"		150'-0"		150'-0"	
COLOR CODING	RED	RED (1-8)	GREEN	GREEN (1-8)	BLUE	BLUE (1-8)
MODEL #	AEHC (ACTIVE ANTENNA-MASSIVE MIMO)	COMMSCOPE FFVV-65C-R3-V1 (OCTO)	AEHC (ACTIVE ANTENNA-MASSIVE MIMO)	COMMSCOPE FFVV-65C-R3-V1 (OCTO)	AEHC (ACTIVE ANTENNA-MASSIVE MIMO)	COMMSCOPE FFVV-65C-R3-V1 (OCTO)
MECHANICAL DOWNTILT	0	0	0	0	0	0
ELECTRICAL DOWNTILT	2	2,2,2,2	2	2,2,2,2	2	2,2,2,2
RRU TYPE	AEHC (INTEGRATED)	AHFIG / AHLOA	AEHC (INTEGRATED)	AHFIG / AHLOA	AEHC (INTEGRATED)	AHFIG / AHLOA
HCS DIA. & TYPE	HCS 2.0 TRUNK	SHARED HCS 2.0 TRUNK	SHARED HCS 2.0 TRUNK	HCS 2.0 TRUNK	SHARED HCS 2.0 TRUNK	SHARED HCS 2.0 TRUNK
HCS FACTORY LENGTH	±175'-0"	-	-	±175'-0"	-	-
JUMPER TYPE FROM BREAKOUT BOX TO RRU/ANTENNAS	HYBRID JUMPER	HYBRID JUMPER	HYBRID JUMPER	HYBRID JUMPER	HYBRID JUMPER	HYBRID JUMPER
JUMPER LENGTH	15'-0"	15'-0" / 15'-0"	15'-0"	15'-0" / 15'-0"	15'-0"	15'-0" / 15'-0"
JUMPER TYPE FROM RRU TO ANTENNA	-	RF JUMPERS	-	RF JUMPERS	-	RF JUMPERS
JUMPER LENGTH	-	8'-0" / 8'-0"	-	8'-0" / 8'-0"	-	8'-0" / 8'-0"

NOTE:
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NOTE:
ANTENNA INFORMATION OBTAINED FROM T-MOBILE RF DATA CONFIGURATION SHEET DATED 10/25/21.



ANTENNA PLAN

SCALE: NONE

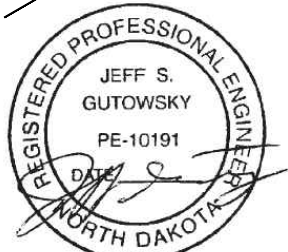
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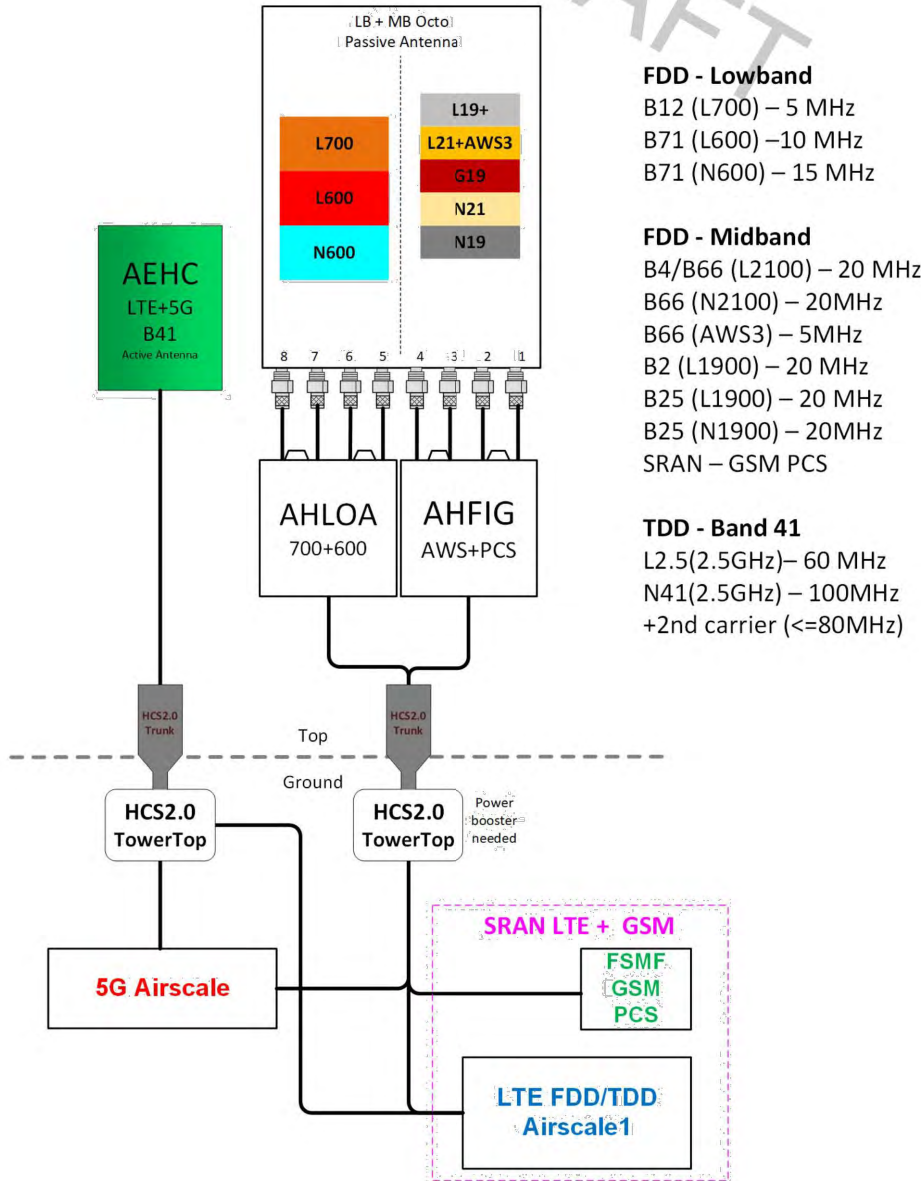
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Configuration 56790EZ_SR_T

* For 5G and LTE Airscale BB dimensioning refer to Fiber Port matrices.
(Alpha, Beta & Gamma)



RF DATA SHEET

SCALE: NONE

1



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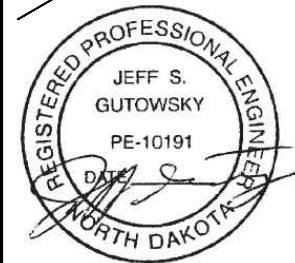
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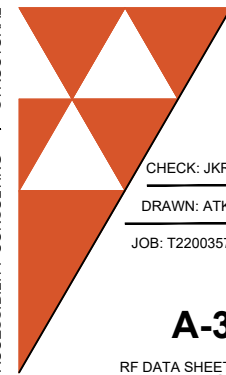


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JOB: T2200357

A-3

Sector 1 (Proposed) view from front (Note: the images show view from behind)

Coverage Type	A - Outdoor Macro									
Antenna	1					2				
Antenna Model	Commscope - FFVV-65C-R3-V1 (Octo)					AEHC (Active Antenna - Massive MIMO)				
Azimuth	80					80				
M. Tilt	0					0				
Height	150					150				
Ports	P1		P2		P3		P4		P5	
Active Tech.	L700 N600	L600	L700 N600	L800	L2100 G1900 LAWS3	L1900	L2100 G1900 LAWS3	L1900	L2500	N2500
Dark Tech.					N1900 N2100		N1900 N2100			
Restricted Tech.										
Decomm. Tech.										
E. Tilt	2		2		2		2		2	
Cables										
TMA's										
Diplexers / Combiners										
Radio										
Sector Equipment										
Unconnected Equipment:										
Scope of Work:										

Sector 3 (Proposed) view from front (Note: the images show view from behind)

Coverage Type	A - Outdoor Macro									
Antenna	1					2				
Antenna Model	Commscope - FFVV-65C-R3-V1 (Octo)					AEHC (Active Antenna - Massive MIMO)				
Azimuth	320					320				
M. Tilt	0					0				
Height	150					150				
Ports	P1		P2		P3		P4		P5	
Active Tech.	L700 N600	L600	L700 N600	L800	L2100 G1900 LAWS3	L1900	L2100 G1900 LAWS3	L1900	L2500	N2500
Dark Tech.					N1900 N2100		N1900 N2100			
Restricted Tech.										
Decomm. Tech.										
E. Tilt	2		2		2		2		2	
Cables										
TMA's										
Diplexers / Combiners										
Radio										
Sector Equipment										
Unconnected Equipment:										
Scope of Work:										

Sector 2 (Proposed) view from front (Note: the images show view from behind)

Coverage Type	A - Outdoor Macro									
Antenna	1					2				
Antenna Model	Commscope - FFVV-65C-R3-V1 (Octo)					AEHC (Active Antenna - Massive MIMO)				
Azimuth	200					200				
M. Tilt	0					0				
Height	150					150				
Ports	P1		P2		P3		P4		P5	
Active Tech.	L700 N600	L600	L700 N600	L600	L2100 G1900 LAWS3	L1900	L2100 G1900 LAWS3	L1900	L2500	N2500
Dark Tech.					N1900 N2100		N1900 N2100			
Restricted Tech.										
Decomm. Tech.										
E. Tilt	2		2		2		2		2	
Cables										
TMA's										
Diplexers / Combiners										
Radio										
Sector Equipment										
Unconnected Equipment:										
Scope of Work:										

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SBA

REGISTERED PROFESSIONAL ENGINEER

JEFF S. GUTOWSKY

PE-10191

DATE: 04/01/22

NORTH DAKOTA

EXPIRES: 12/31/22 SIGNED: 04/01/22

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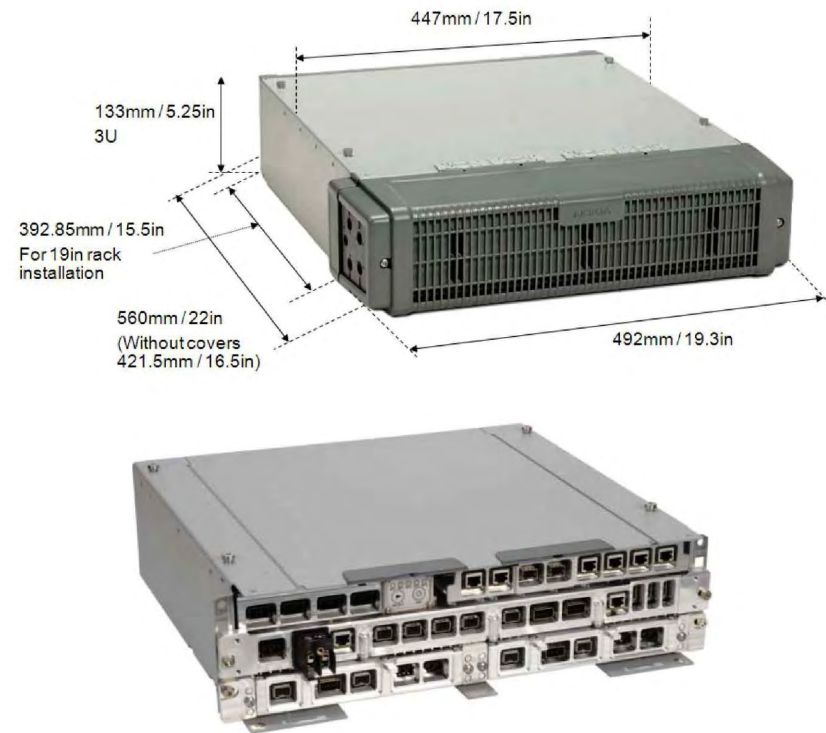
DRAWN: ATK

JOB: T2200357

A-4

RF DATA SHEET

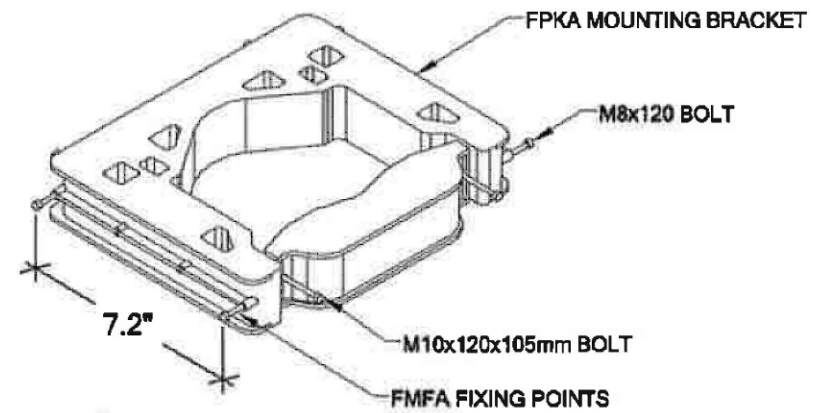
Page 31 of 175



FSMF DETAIL

SCALE: NONE

1



FPKA MOUNTING BRACKET DETAIL

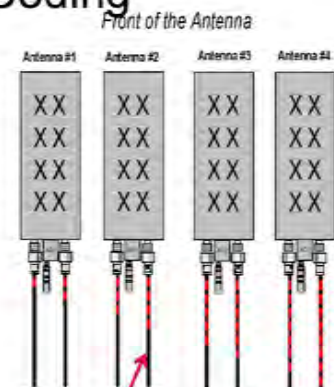
SCALE: NONE

2

Coax Color Coding

- Antennas will be labeled (back of antenna view) Right to left 1 - X ports
- Coax/Jumper lines will be identified by sector color and by number of bands around the coax/jumper

Sector A	Red
Sector B	Green
Sector C	Blue
Sector D	Yellow
Sector E	White
Sector F	Purple
LMU	Brown
Fiber ID	Gray
Unused Coax	Pink
Microwave	Orange
PWE T-1's + GPS	ID w/Label Maker
Downlink cable	

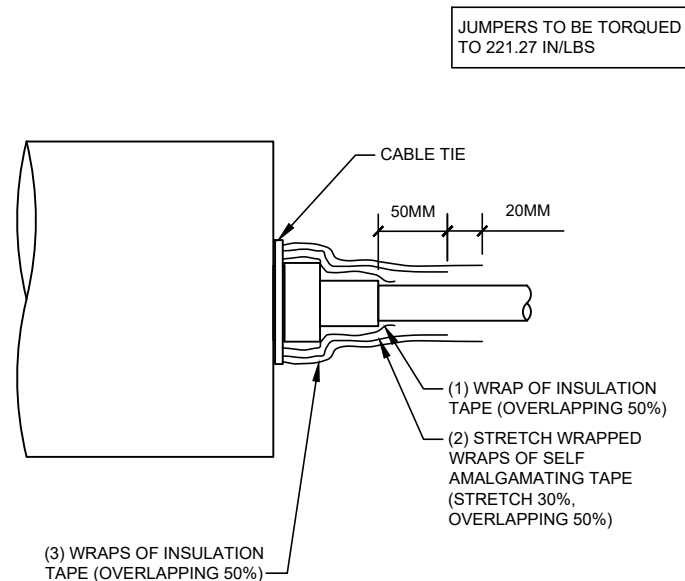


- Example – Coax with four bands of RED tape will represent Alpha sector and the 4th port of antenna.

COAX COLOR CODING

SCALE: NONE

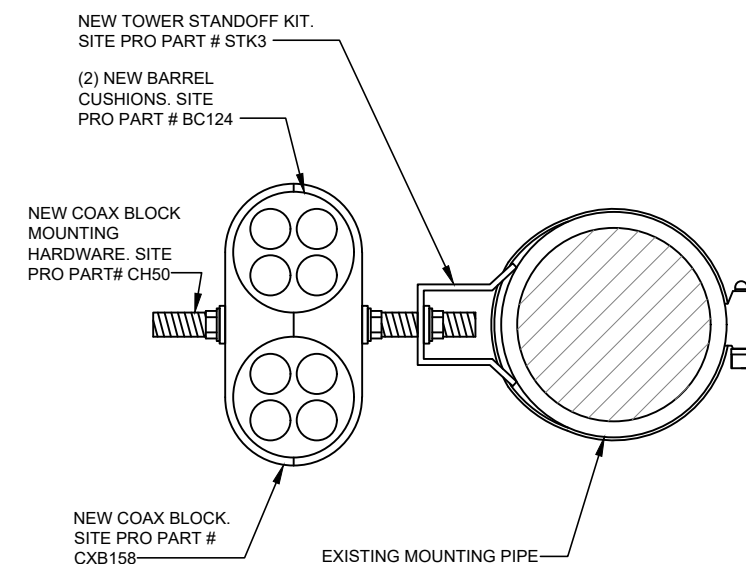
3



RF JUMPER CONNECTION DETAIL

SCALE: NONE

4



RF JUMPER MOUNTING DETAIL

SCALE: NONE

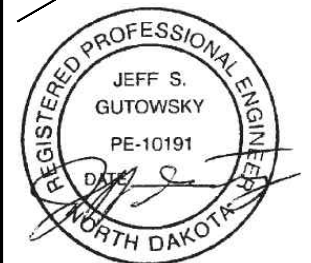
5



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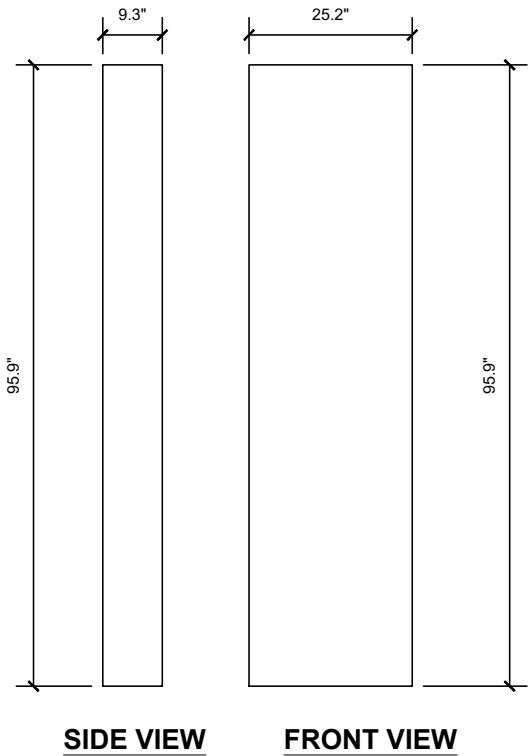


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A-5
EQUIPMENT DETAILS
Page 32 of 175



COMMSCOPE
ANTENNA
FFVV-65C-R3-V1

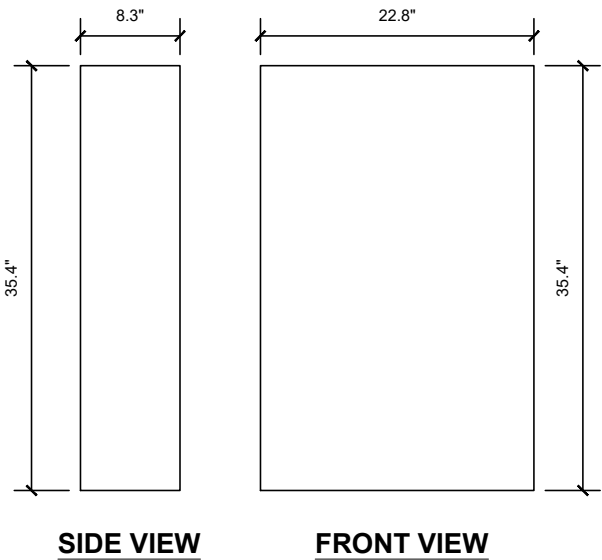
DIMENSIONS, HxWxD: 95.9"x25.2"x9.3"
ANTENNA WEIGHT: 124.6 lbs



ANTENNA DETAIL

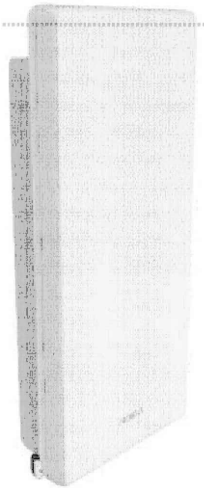
SCALE: NONE

1



NOKIA
ANTENNA
AEHC AIRSCALE

DIMENSIONS, HxWxD: 35.4"x22.8"x8.3"
ANTENNA WEIGHT: 99.2 lbs



ANTENNA DETAIL

SCALE: NONE

2

Supported Frequency bands	3GPP Band 12/71
Frequencies	Band 12 adjusted: UL 698 – 716 MHz, DL 728 – 746 MHz Band 71: UL 663 MHz – 698 MHz, DL 617 MHz – 652 MHz
Number of TX/RX paths/pipes	4 pipes; 2T2R, 2T4R, 4T4R for both bands
Instantaneous Bandwidth IBW	17 MHz for B12 and 35MHz for B71 1 MHz below B12 NB IoT future use
Occupied Bandwidth OBW	UL 53MHz contiguous DL B12 17MHz + 1 MHz NB IoT future use. B71 35MHz
Output Power	60W per TX shared between bands
Supply Voltage / Range	DC-48 V / -36 V to -60 V
Typical Power Consumption	640W [ETSI Busy Hour Load at 4TX@60W 450W [ETSI Busy Hour Load at 4TX@20W
Antenna Ports	4 ports, 4.3-10+
Optical Ports	2 x CPRI 9.8 Gbps
ALD Control Interfaces	AISG3.0 and RET (DC on ANT1 & ANT3)
Other Interfaces	External Alarm MDR-26 (4 inputs, 1 Output) DC Circular Power Connector
Physical	560 mm x 308 mm x 189 mm * Approximately 38kg with no covers or brackets **
Operating Temperature Range	-40°C to 55°C (with no solar load)
Surge Protection	Class II 5A
Installation Options	Pole, Wall, Book Mount

* = 22.05" x 12.13" x 7.44"
** = 83.76 lbs

AHLOA DETAIL

SCALE: NONE

3



Property	Value
Height	Core RRH: 695 mm (27.4 in.) With upper and lower mounting brackets: 730 mm (28.7 in.)
Width	Core RRH: 308 mm (12.1 in.) With mounting cover: 327 mm (12.9 in.)
Depth	Core RRH: 131 mm (5.2 in.) With mounting cover: 142 mm (5.6 in.)
Weight	Core RRH: 32 kg (70.5 lb)

Property	Value
Output Power	B25: 4x80 W B66: 4x40 W
QAM	256 QAM (DL) 64 QAM (UL)
Number of TX/RX	4T4R
SW supported technologies	GSM, WCDMA, LTE
TX frequency range	B25: 1930 MHz – 1995 MHz B66: 2110 MHz – 2200 MHz
RX frequency range	B25: 1850 MHz – 1915 MHz B66: 1710 MHz – 1780 MHz
DL/UL instantaneous bandwidth	B25: 65 MHz B66: 80 MHz
Number of carriers per pipe	Up to 8
Supported bandwidths	1.4, 3, 5, 10, 15, 20 MHz

Configuration	Output Power per carrier (W)	Power consumption (W), ETSI 202706 average load PRRH, static	Power consumption (W), busy hour load PBH RRH, static	Power consumption (W), 100% RF power load P100% RRH
Single band 1/1/1 4Tx	4x80	2113	2586	3831
Single band 1/1/1 4Tx	4x40	1720	1967	2553
Single band 1/1/1 2Tx	2x80	1388	1622	2208
Single band 1/1/1 2Tx	2x40	1195	1313	1597
Dual band 1+1 / 1+1 / 1+1 4Tx	4x80 + 4x40	2869	3626	5175
Dual band 1+1 / 1+1 / 1+1 4Tx	4x40	2474	2992	4235
Dual band 1+1 / 1+1 / 1+1 2Tx	2x80 + 2x40	1757	2123	2890
Dual band 1+1 / 1+1 / 1+1 2Tx	2x40	1572	1830	2432

AHFIG DETAIL

SCALE: NONE

4



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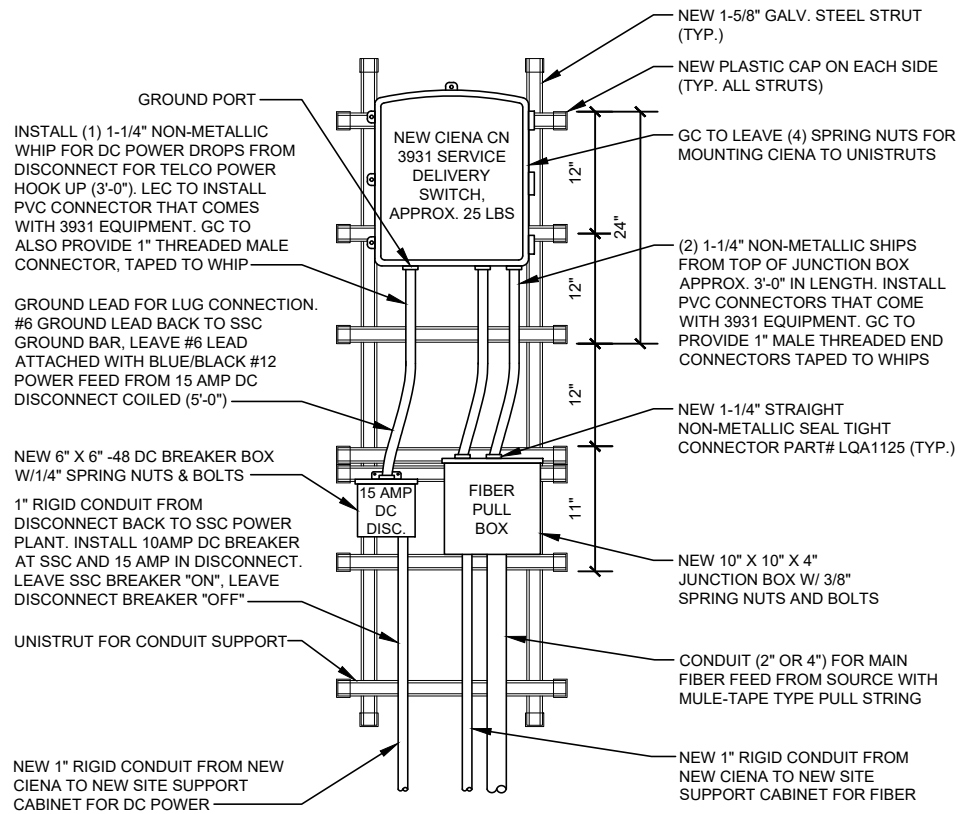


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A-6



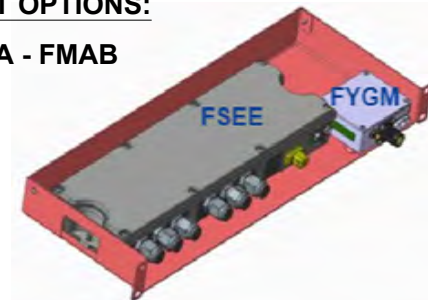
CIENA DETAIL

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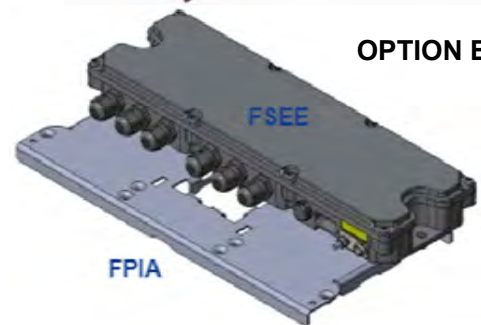
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BRACKET OPTIONS:

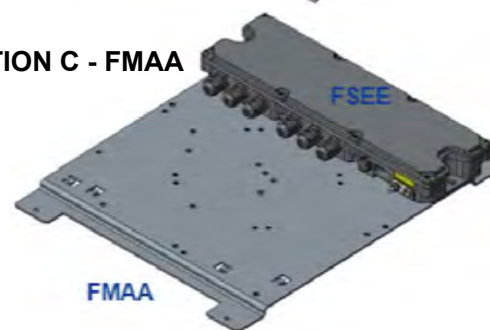
OPTION A - FMAB



OPTION B - FPIA



OPTION C - FMAA

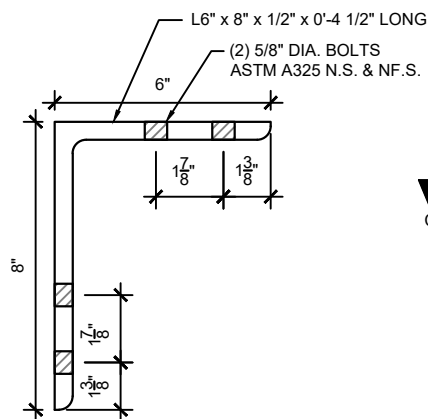


FSEE DETAIL

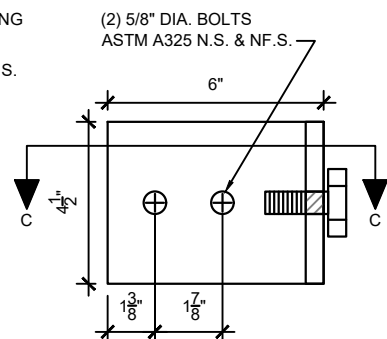
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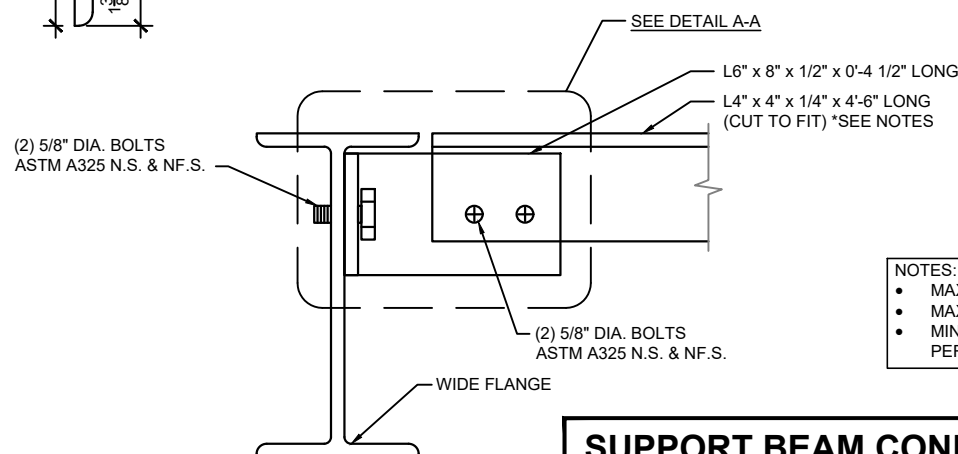
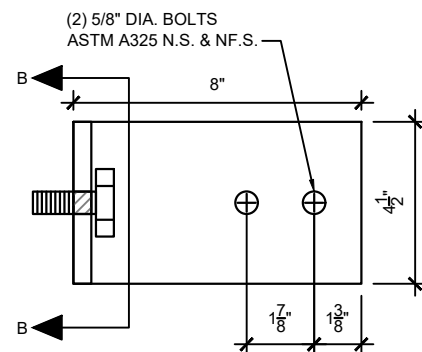
DETAIL C-C



DETAIL B-B



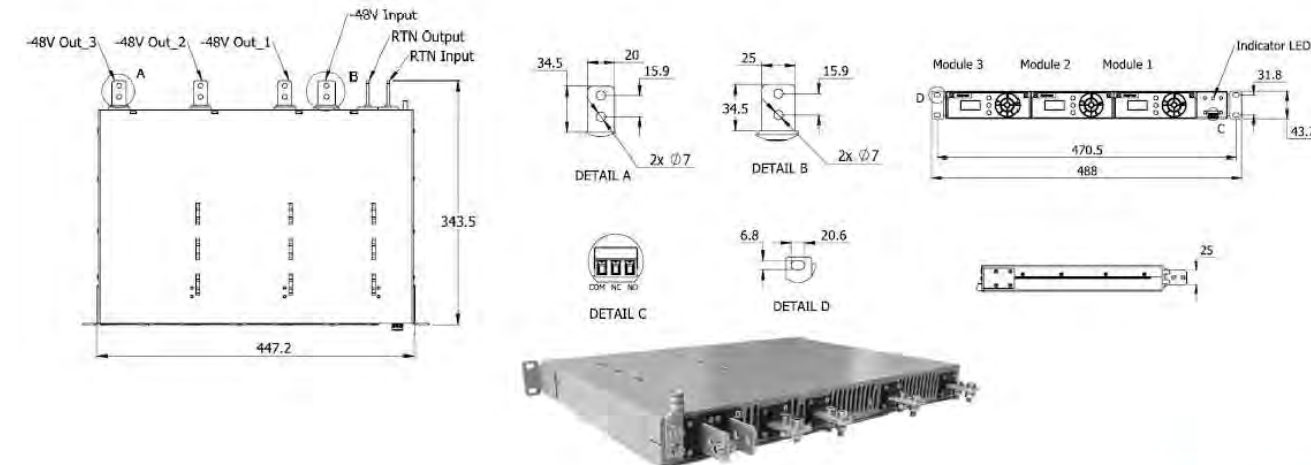
DETAIL A-A



SUPPORT BEAM CONNECTION DETAIL

SCALE: NONE

3



Raycap

www.raycap.com

Information contained in this document is subject to change at any time without notice.

G02-01-400 190130

POWER BOOSTER DETAIL

SCALE: NONE

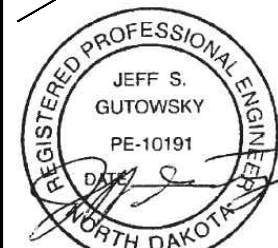
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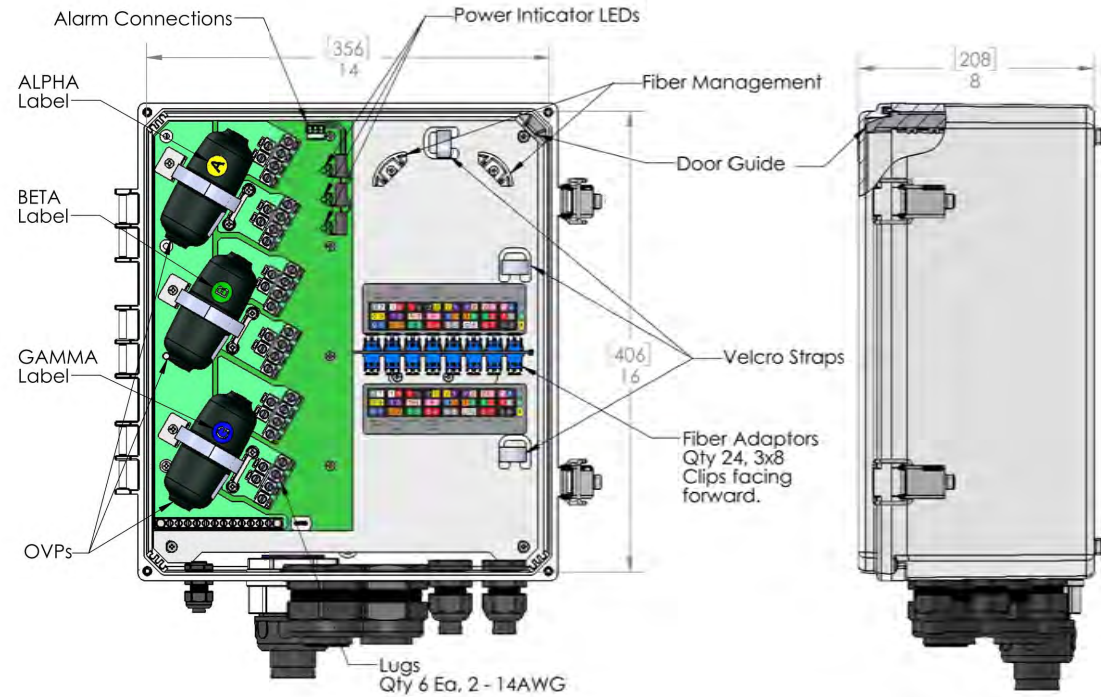


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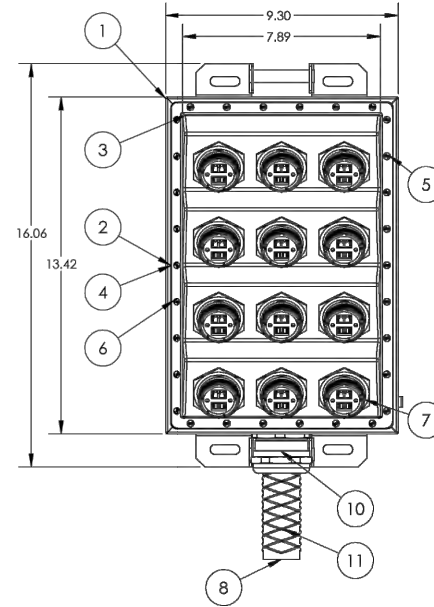
A-7



OVP DETAIL

SCALE: NONE

1

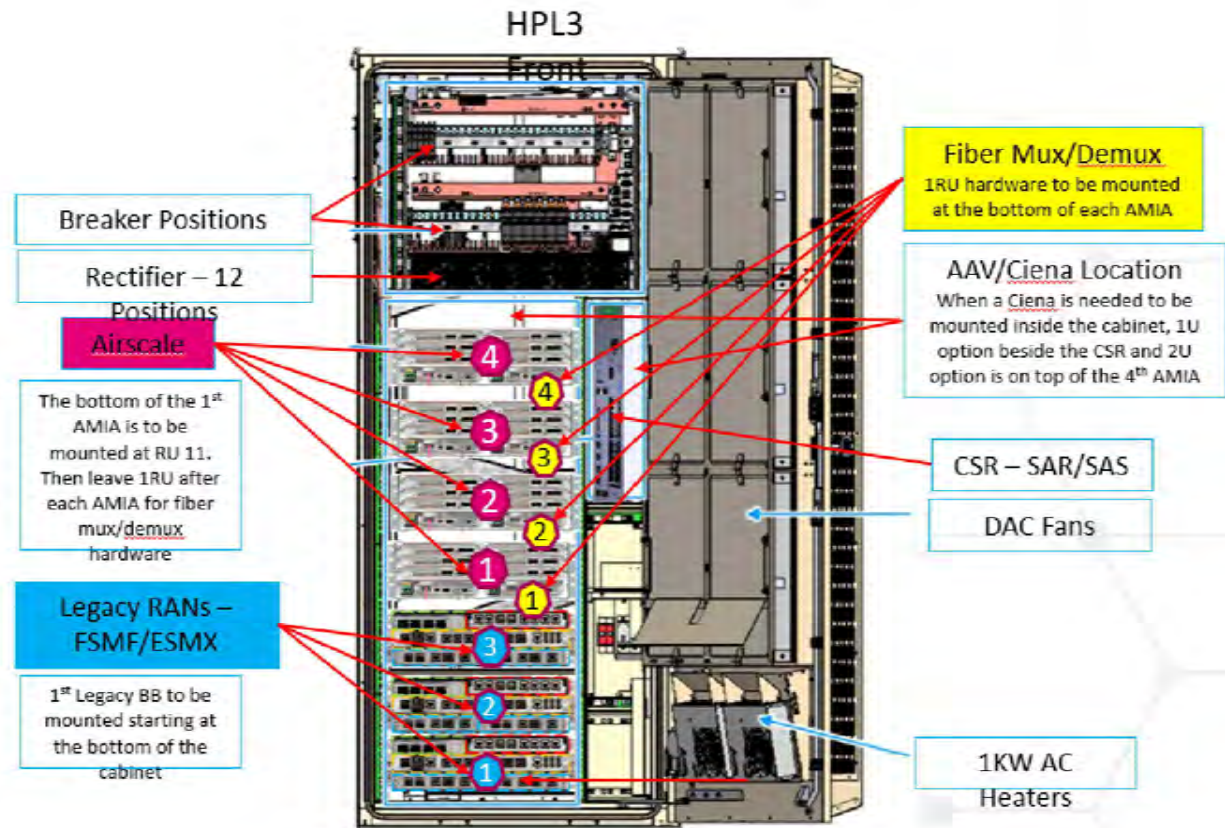


ITEM NO.	PART NUMBER	DESCRIPTION	AC-DIST08-6IP-SHIR/QTLY.
1	AC-DIST05-24IP-DC	IP SHEETMETAL BOX	1
2	AC-GKT05-FB-HICAP	GASKET EPDM	1
3	AC-FB-FRONT-4STEP-3CON	HYBRID MODULE INCLINE MOUNT THERMO SHELL	1
4	AC-STR05-HICAP	METAL O-RING	1
5	Regular LW 0.125	WASHER	30
6	3GMRB06058	TAMPERED PROOF #6-32 SCREW	30
7	CF-970850-101-106-W/LC	JAM NUT RECEPTACLE	12
8	ASU9325TYP02	HYBRID CABLE HI-CAP	1
9	6000428	LOCKNUT FOR CABLE GLAND	1
10	4220342	CABLE GLAND	1
11	HOIST GRIP	CABLE HOIST GRIP	1

HI-CAP BREAKOUT BOX DETAIL

SCALE: NONE

2



SITE SUPPORT CABINET LAYOUT

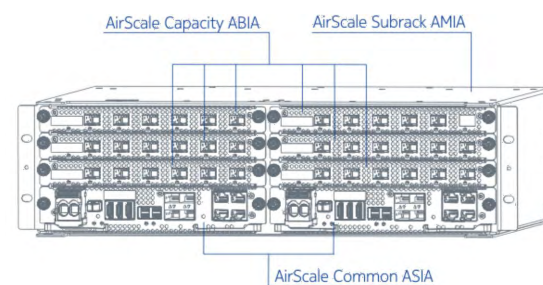
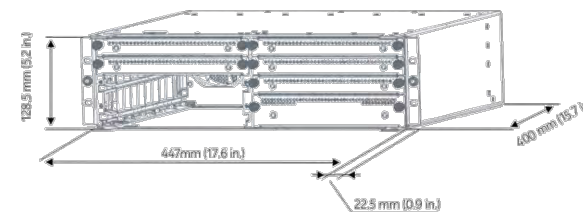
SCALE: NONE

3

Nokia AirScale System Module Indoor consists of the following items:

- One Nokia AirScale Subrack (AMIA), including backplane for high bandwidth connectivity between processing plug-in units
- One or two Nokia AirScale Common (ASIA) plug-in units for transport interfacing and for centralized processing
- Up to six Nokia AirScale Capacity (ABIA) plug-in units for baseband processing and for optical interfaces with radio units

The AirScale Subrack (AMIA) has a 3U height and fits into a standard 19 in. rack. Multiple subracks can be stacked on top of each other. The indoor subrack includes fans, a backplane for internal communication, and the DC-feed. The direction of the cooling air can be changed by rotating fans. The default direction is front-to-back.



AMIA DETAIL

SCALE: NONE

4

Weight

Empty: 5.1 kg (11.2 lb)

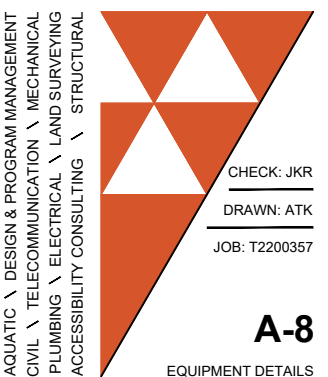
With dummy panels: 6.8 kg (15 lb)

With all units: 23.9 kg (52.7 lb)



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A-8



Specifications

Model	HPL3 (HP-Large 3 Power Cabinet)	
1. General		
Construction	Aluminum enclosure	
Dimensions (W x H x D)	30 x 72 x 34.6 in. (762 x 1829x 879mm), Depth with Door/Hatch: 44.7 in. (1136mm)	
Weight	~595 lbs (~270kg) (without customer equipment or batteries) Total Equipment space 30RU:	
Internal rack dimension	Horizontal rack:	19" x 27RU
	Vertical rack:	19" x 3RU
	Power System space:	23" x 12RU
Mounting options	Pad-mount, plinth option	
Finish	Polyester Power Paint (Tan)	
Safety	UL Listed , IEC / EN 60950	
2. Environment		
Operating temperature	-40°C to +50°C (-40°F to +122°F) with solar load. IP 55	
Protection class	designed to GR-487	
Acoustics	65dBA @5000W heat load , 70dBA @ 6000W	
Humidity (relative)	95%, non-condensing (Max.)	
3. Thermal Management		
Cooling Equipment:	Direct Air Cooling, 6000W capacity, 5°C delta T	
Heating Equipment:	Forced air heating (2) 1000W AC heaters	
4. Equipment		
Cable entry	Knock-out plate on each upper side wall / Additional knockouts on sides (1) 3" conduit hole with hole plug	
Door latch	3 point latching, 5/16 nut driver tool, pad-locking capability	
Primary ground	10 double-hole 1/4"-20 threaded holes on 5/8" center ground bar	
Lifting Ears	4 Lifting Tabs	
Plinth	Optional 6" plinth available AC Load Center: 240V split phase, dual feed / (1) 200A + (1)100A 208V 3-phase, single feed / (1) 200A AC Surge Protection for each breaker feed GFCI Receptacle 120V Temp Probes (6 form-C) Alarm Termination block 605A/ 54V (336kW) redundant Power System with DIN rail distribution: 12 rectifier positions (3x55A DPR3000 rectifiers included) 48 poles for load (2x10A, 3x50A, and 6x100A load breakers included) 16 poles for battery (2) SB350 / (2) SB175 Battery connections (3) SB350 Generator connections	
Front Door:	(6) DC powered centrifugal fans with (3) MERV-13 filters, (GORE option)	
	Clogged Filter alarm pressure switch	
	Door intrusion alarm (2) 1000W AC powered heaters LED interior cabinet light	
Rear Hatch:	Exhaust vent with (3) MERV-13 filters, (GORE option)	
5. Ordering information		
Cabinet	ESOA600-HCU01	HP-Large 3 600A Power / Equipment Cabinet
Rectifier	ESR-48/60A A-T	48V / 56A 3000W, 96.4%, CAN communication
Controller (Spare)	TPS1020028AU17	Orion TOUCH Controller
Plinth, 6"	37993318816900-S	Plinth for V1/V2, HPL2, HPL3, LB2 and LB3

*All specifications are subject to change without prior notice



SITE SUPPORT CABINET

SCALE: NONE

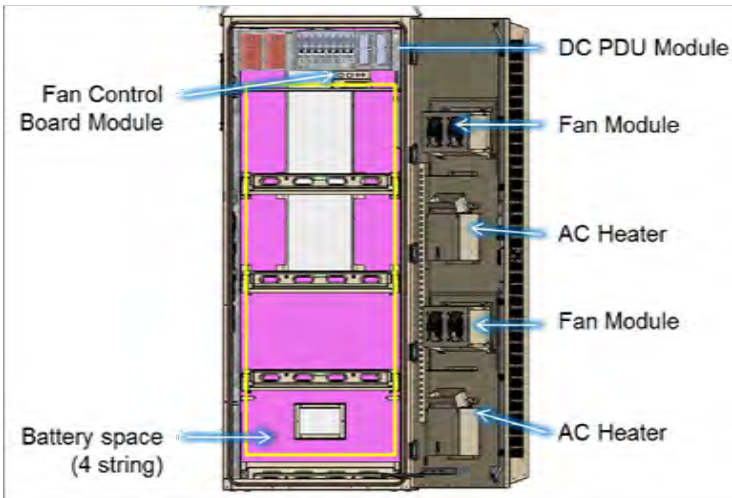
1



Specifications

Model	Large 3 Battery (LB3) Cabinet	
1. General		
Construction	Aluminum enclosure	
Dimensions (W x H x D)	30 x 72 x 35 in. (766 x 1829x 889mm), Depth with door: 41 in. (1045mm)	
Weight	~540lbs (245kg) (without batteries)	
Internal rack dimension	4 battery trays to support up to 210Ah batteries	
Mounting options	Pad-mount, plinth option	
Finish	Polyester Powder Paint (Tan)	
Safety	UL Listed, IEC / EN 60950	
2. Environment		
Operating temperature	-40C to +50C (-40F to +122F) with solar load.	
Protection class	IP55 designed to GR-487	
Acoustics	65 dBA	
Humidity (relative)	95%,non-condensing (Max.)	
3. Thermal management		
Cooling	Direct Air Cooling: (4) Axial Fans. Filters: F6 front and rear	
Heating	Forced air heating (2) 1000W AC heaters	
4. Equipment		
Cable Entry	Knock-out plate on each upper side wall Additional knockouts each side	
Door latch	3 point latching, 5/16 Nut driver tool, pad-locking capability	
Lifting Ears	4 eye bolts	
Standard equipment	AC Load Center with AC Surge protection and GFCI outlet Left or Right side AC entry options (2) 1000W AC powered heater	
	DC Load Center 600A bulk feed bus bar (4) 20050A DIN rail battery breakers (4) 2-hole lug landings (2) Anderson SB350 input connectors to daisy chain 2nd battery cabinet 2AWG battery cables from breakers to trays Configurable trays for (4) strings of up to 210Ah batteries Door intrusion switch LED interior cabinet light Fan Control Board, factory wired alarms via RJ45 output (fan & breaker alarms) Cabinet Connection kit (2) 4/0 cables with SB350 disconnects to connect to power cabinet	
5. Ordering information		
Cabinet	ESOF015-ECV04	Large Battery 3 Cabinet
Plinth, 6"	37993318816900-S	Plinth for V1/V2, HPL2, LB2 cabinets only

*All specifications are subject to change without prior notice.



BATTERY CABINET

SCALE: NONE

2



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A-9

LEGEND

F

FIBER LINE

E

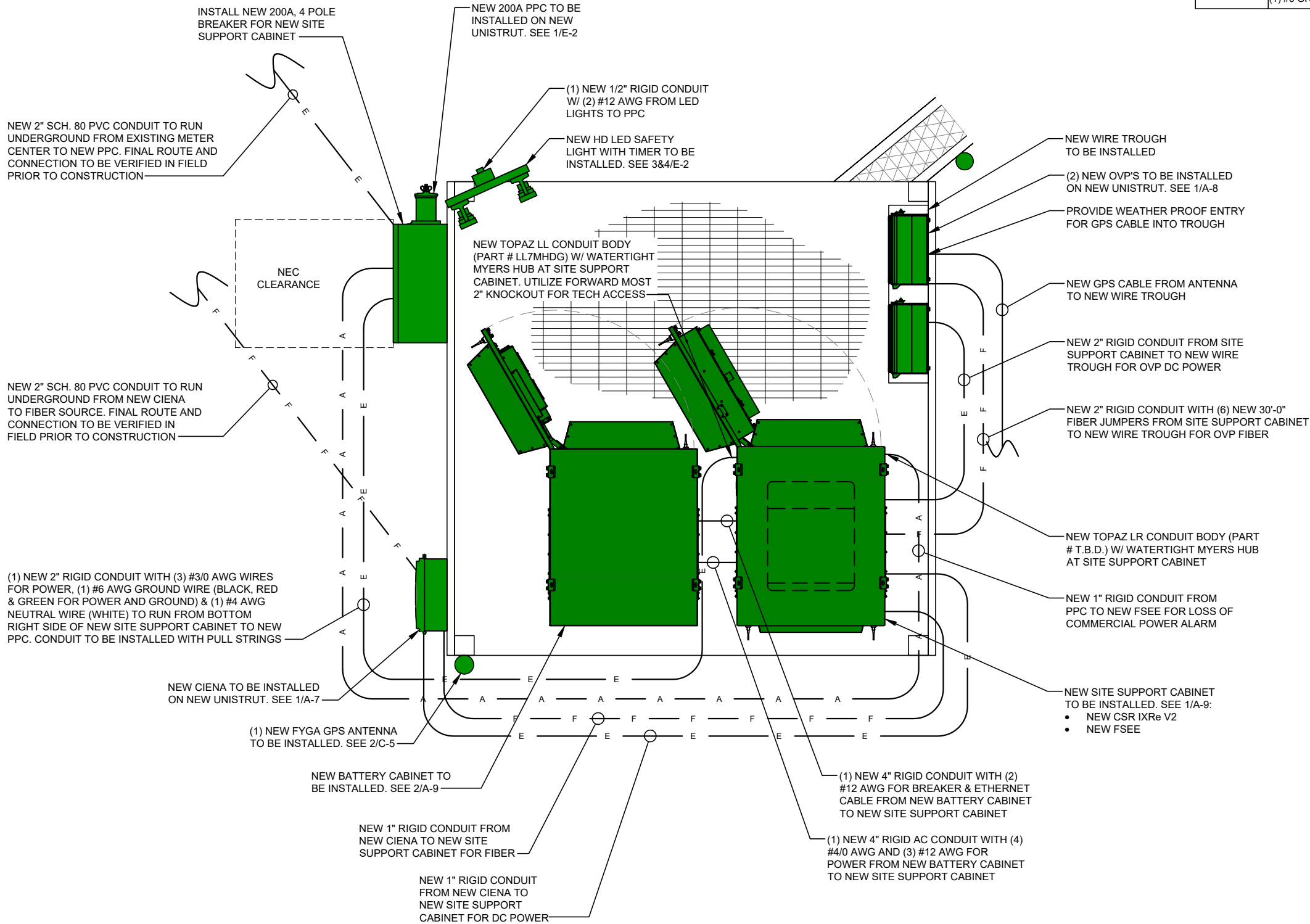
ELECTRIC LINE

A

ALARM CABLE

	ACTUAL LENGTH	ACTUAL LENGTH +10% SAFETY FACTOR	FACTORY LENGTH
GPS ANTENNA CABLE LENGTH	±20'-0"	±22'-0"	98'-5" (30m)

VOLTAGE DROP FROM METER CENTER TO NEW PPC			
LENGTH OF RUN	WIRE SIZE	VOLTAGE DROP	PERCENTAGE OF VOLTAGE
±100'-0"	(1) RUN OF (3) 3/0 AWG & (1) #6 GROUND	4.08V	1.70%



UTILITY PLAN

SCALE: 1/2" = 1'-0"

1

T-Mobile

SBA

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E-1

UTILITY PLAN

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Power Protection Cabinet
AC & Telco Combination

Part Number: CS7S2-W836

Cabinet Configuration

Dimensions 60"H x 25"W x 10"D
Material Aluminum Construction - 0.100" min.
Weight 150 lb (approx.)
Paint Powder Coat Paint - Gray Exterior
Front Door Continuous SS Hinge, 3 Point Latching Handle, 90° Wind Stop
Mounting Wall, H-Frame, and Pad Mounting Options
Agency Approvals UL 891 Dead Front Switchboards, NEMA type 3R

Power Center

Dimensions 30"H x 25"W x 10"D (approx.)
Voltage 240/120 Vac, Single Phase
Amperage 200A
Utility Fault
Current Rating 65kAIC
Transfer Type Slide Bar Mechanical Interlock
Distribution 24 Position, 200A Load Center
Generator Receptacle 200A Appleton AR20044RS
TVSS MOV only 200kA per phase (on 60A, 2 pole breaker)

Telco Compartment

Dimensions 30"H x 25"W x 10"D
Grounding 11 Position Dual-Lug, Copper Ground Bar
Equipment Mounting 19" x 19" Plywood Back Board
Convenience Outlets Standard GFCI Duplex Receptacle (Interior)(on 20A, 1 pole breaker)
TVSS (1) TCS-T1DS - T1 Line Surge Suppression



PPC DETAIL

SCALE: NONE

1

PANEL SCHEDULE

SCALE: NONE

2

SITE NUMBER:				T-Mobile						MODEL NUMBER:		CS7 S2-W836																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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FF Series
Commercial Series

The FF Series Commercial Auto-Off Timers are designed to replace any standard wall switch - single or multi-gang. This series of energy-efficient mechanical timers do not require electricity to operate. In addition, they automatically limit the ON times for fans, lighting, motors, heaters, and other energy consuming loads.

Features

- Hold feature enables the user to override the automatic shut-off function
- Rugged time dial plate easily withstands the abuse encountered in commercial environments
- Commercial "brushed metal" (plastic construction) look meets NEC requirements
- Time saving up front terminal connection with teeter-type terminals
- Press-on knob design ensures quick and easy installation
- CFL compatible

Not for use with sunlamps, saunas, or loads that could cause personal injury if timed incorrectly.

Ratings

Resistive: 20 Amp, 125 VAC, 50/60 Hz
10 Amp, 250 VAC, 50/60 Hz
10 Amp, 277 VAC, 50/60 Hz

Tungsten: 7 Amp, 125 VAC

Motor: 1 HP, 120 VAC, 50/60 Hz
2 HP, 240 VAC, 50/60 Hz

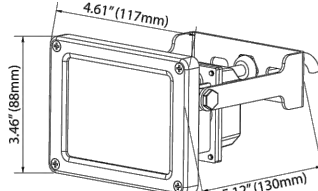
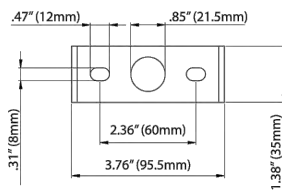
Dimensions: 2.79" H x 1.6" W x 1.19" D

NOTE:
CONTRACTOR TO INSTALL
NEW INTERMATIC AUTO
SHUTOFF 1HR TIMER, OR
APPROVED EQUAL.

20 AMP LIGHT SWITCH/TIMER

SCALE: NONE

3



FLS15U50B

MANUFACTURER: MAXLITE
MANUFACTURER PART NO: FLS15U50B - MAX

OPERATING VOLTAGE: 120-277 UNIVERSAL VOLTAGE
LED FOR HID REPLACEMENT: 100W HID
TECHNOLOGY: LED
APPLICATION: OUTDOOR
FIXTURE TYPE: FLOOD
WATTS: 15W
LUMENS: 1,260
COLOR TEMP: 5000K
COLOR RENDERING INDEX: 70
BENEFIT: DLC QPL LISTED, WET LOCATION RATED
COMMON NAME OF COLOR TEMPERATURE: DAYLIGHT
DIMMABLE: NO
FINISH COLOR: BRONZE
FIXTURE MOUNT TYPE: TRUNNION MOUNT

NEW EXTERIOR LIGHT TIMER AND GFCI SPECIFICATION:

- (1) SIGMA TWO GANG CLEAR COVER, EXTRA DUTY WITH LOCKABLE ENCLOSURE.
- (1) INTERMATIC 60 MINUTE MECHANICAL TIMER, FF60MC.
- (1) CAST ALUMINUM, 2 GANG WEATHERPROOF FS BOX, NO LUGS, DEEP BOX. APPLETON FS-2-75A OR HUBBELL-KILLARK 2FS-1.
- USE BACK OF GANG BOX FOR ENTRY INTO PPC, SEAL FLUSH AGAINST PPC WITH GASKETING MATERIAL, AND/OR SEAL EXTERIOR PERIMETER WITH SILICONE BEAD TO PREVENT WATER INTRUSION.
- (1) GFCI 15 AMP LEVITON MT759-T, 2-POLE, 3-WIRE, 15 AMP, 125 VOLT, 5-15R NEMA, WALL BOX MOUNT, LIGHT ALMOND, HEAVY DUTY, COMMERCIAL GRADE. \\NOTE: NO RESIDENTIAL GRADE GFCI ALLOWED.//
- (2) OUTDOOR FLOOD LIGHTS, RATED INITIAL LUMENS >1,260 EACH FLOOD. HTTP://WWW.MAXLITE.COM/PRODUCTS/SMALL-FLOOD-LIGHTS/FLS15U50B OR EQUIVALENT MAXLITE MODEL FLS15U50B/N, @ 1,235 LUMENS. TYPICAL INSTALLATION, REGARDLESS OF PPC STYLE OR TYPE OR EXISTING OUTLETS.
- LIGHT TIMER ON 15A CIRCUIT, LIGHT CONTROLLED BY COUNTDOWN TIMER. GFCI ON SEPARATE 15A CIRCUIT.
- IF PPC HAS EXISTING INTERIOR MOUNTED GFCI, IT TOO SHALL BE WIRED FOR SERVICE.
- EQUIVALENT MEETING SERVICE REQUIREMENTS, OR BETTER, EQUIPMENT MAY BE SUBSTITUTED AND INSTALLED WITH PRIOR T-MOBILE PM OR CM APPROVAL.

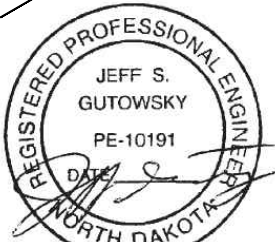
LED LIGHT DETAIL

SCALE: NONE

4



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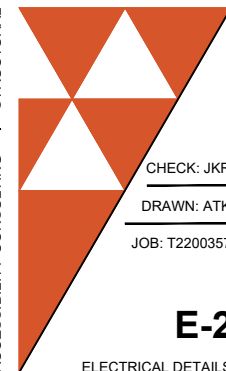


EXPIRES: 12/31/22 SIGNED: 04/01/22

REVISIONS

REV.	ISSUED FOR	DATE	BY
0	FINAL	03/17/22	ATK
1	REVISION	04/01/22	ATK

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PLUMBING \ ELECTRICAL \ LAND SURVEYING
ACCESSIBILITY CONSULTING \ STRUCTURAL



CHECK: JKR

DRAWN: ATK

JOB: T2200357

E-2

LEGEND

EXOTHERMIC WELD

MECHANICAL CONNECTION

TEST WELL

GROUND ROD

#2 AWG SOLID TINNED COPPER

GENERAL GROUNDING NOTES:

1.

GROUNDING SHALL COMPLY WITH NEC AND T-MOBILE STANDARDS. CONTRACTOR SHALL VERIFY EXISTING GROUNDING CONDITIONS. CORRECTING ANY DEFICIENCIES TO BE INCLUDED IN ORIGINAL PRICING AND CORRECT DEFICIENCIES DURING NEW CONSTRUCTION. INCLUDING MISSING GROUND BARS, BAD GROUND WELDS, MISSING GROUND LEADS OR BROKEN GROUND LEADS, ETC.

2.

ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT / GROUND BARS AND THE GROUND RING SHALL BE #2 AWG SOLID TIN PLATED COPPER IN 3/4" PROTECTIVE PVC UNLESS OTHERWISE INDICATED

3.

APPROVED ANTIOXIDANT COATINGS (NO-OX) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.

4.

ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED. IN ALL CASES BENDS SHALL BE MADE WITH A MINIMUM BEND RADIUS OF 12 INCHES.

5.

ALL TOWER TOP GROUND WIRES SHALL BE SUPPORTED EVERY TWO FEET.

TO ANTENNA

TO PRIMARY CABINET

TO GROUND

HYBRID CABLE

WEATHER PROOFING KIT

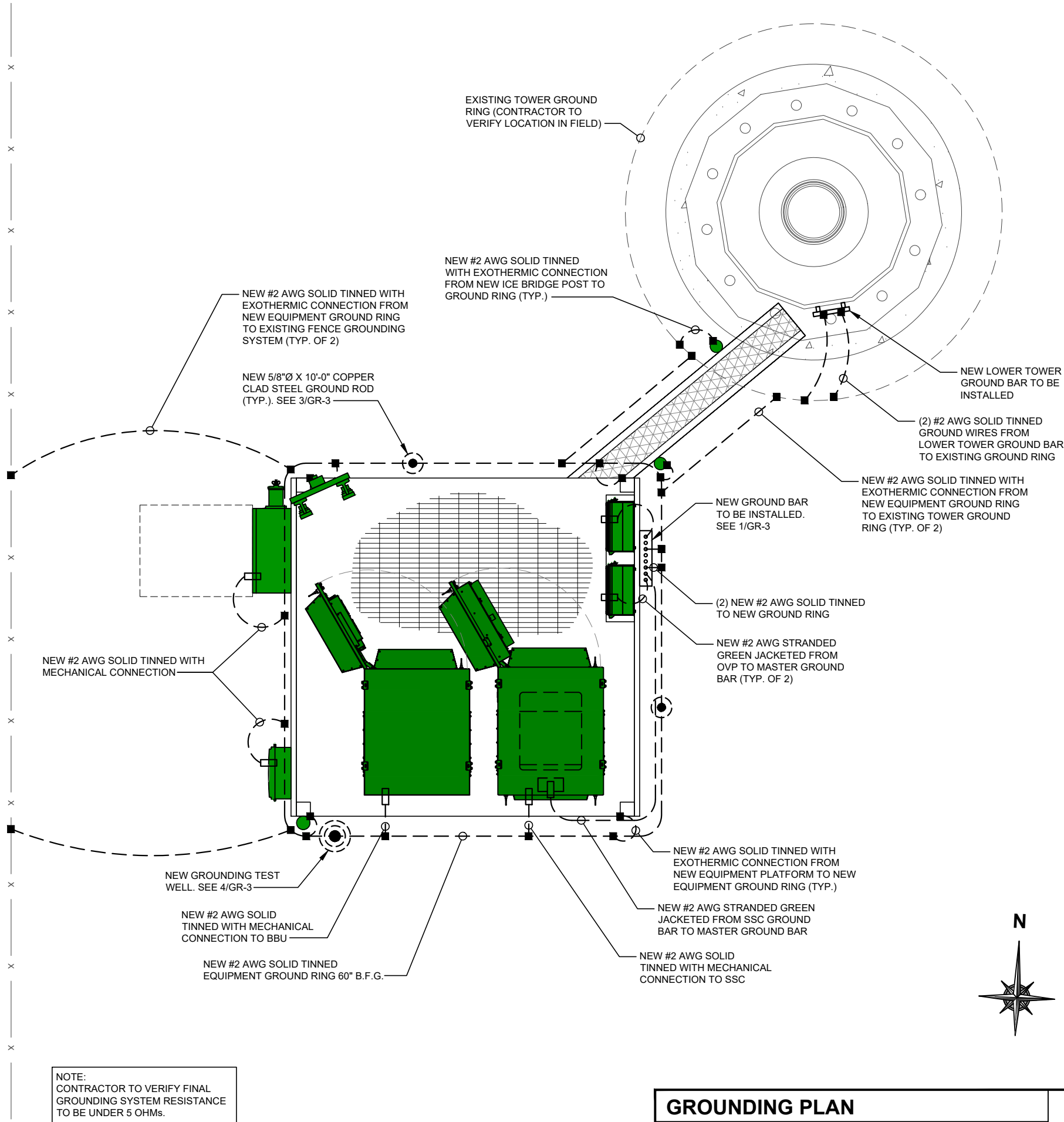
HYBRID CABLE GROUNDING KIT

#2 AWG, STRANDED COPPER GROUNDING CONDUCTOR

HYBRID CABLE GROUNDING KIT

2

SCALE: NONE



GROUNDING PLAN

1

SCALE: 3/8" = 1'-0"

T-Mobile

SBA

WT GROUP
Engineering with Precision, Pace and Passion
2975 Pratum Avenue | Hoffman Estates, IL 60192
T: 224.293.6333 | F: 224.293.6444
wengineering.com

WT Group
Engineering • Design • Consulting

MS03NP478
A1R0069A
40TH AVENUE WEST
WEST FARGO, ND 58078

REGISTERED PROFESSIONAL ENGINEER
JEFF S. GUTOWSKY
PE-10191
NORTH DAKOTA
EXPIRES: 12/31/22 SIGNED: 04/01/22

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DRAWN: ATK
JOB: T2200357

GR-1
GROUNDING PLAN
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1. ALL ELECTRICAL WORK SHALL CONFORM TO THE LOCAL ELECTRICAL CODE (EDITION ADOPTED BY LOCAL JURISDICTION) AND APPLICABLE LOCAL CODES.
2. GROUNDING SHALL COMPLY WITH THE LOCAL ELECTRICAL CODE.
3. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED.
4. WIRES AND CABLES FOR POWER AND LIGHTING SHALL BE COPPER WITH TYPE XHHW, THWN, OR THHN INSULATION. SOLID CONDUCTORS FOR #10 AWG AND SMALLER, STRANDED FOR LARGER THAN #10 AWG. MINIMUM SIZE #12 AWG.
5. WIRES AND CABLES FOR POWER SHALL BE INSTALLED IN GALVANIZED RIGID STEEL CONDUIT OR FLEXIBLE LIQUID TIGHT CONDUIT AS INDICATED ON DRAWING.
6. CONTRACTOR TO OBTAIN ALL PERMITS, PAY PERMIT FEES, AND BE RESPONSIBLE FOR SCHEDULING INSPECTIONS.
7. COORDINATE WITH UTILITY COMPANIES SERVICE ENTRANCE REQUIREMENTS.
8. PROVIDE ALL LABOR AND MATERIAL DESCRIBED ON THIS DRAWING, AND ALL ITEMS INCIDENTAL TO COMPLETING AND PRESENTING THIS PROJECT AS FULLY OPERATIONAL.
9. GROUNDING CONNECTIONS SHALL BE EXOTHERMIC TYPE TO ANTENNA MASTS, AND THE GROUND BARS. REMAINING GROUNDING CONNECTIONS SHALL BE COMPRESSION FITTINGS.
10. GROUND COAXIAL CABLE SHIELDS AT BOTH ENDS WITH COAX CABLE GROUNDING KITS & INSTALL WEATHER PROOFING KIT AT EACH CONNECTION.
11. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE, ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY.
12. CONTRACTOR TO PROVIDE GROUND RING AS SHOWN ON GROUNDING SITE PLAN AND GROUNDING RISER DIAGRAM. CONTRACTOR SHALL TEST AND VERIFY THAT THE IMPEDANCE DOES NOT EXCEED 5 OHMS TO GROUND BY MEANS OF A BIDDLE-MEGGER TESTER. GROUNDING AND OTHER OPERATIONAL TESTING SHALL BE WITNESSED BY THE OWNER'S REPRESENTATIVE.
13. CONTRACTOR TO PROVIDE TELEPHONE CONDUIT AS SHOWN ON PLANS.
14. CONTRACTOR TO PROVIDE ELECTRIC CONDUIT AS SHOWN ON PLANS.
15. NOTIFY LOCAL UTILITY SERVICE PRIOR TO ANY INSTALLATION.
16. ALL EQUIPMENT FURNISHED BY OTHERS SHALL BE PROVIDED WITH PROPER MOTOR STARTERS, DISCONNECTS, CONTROLS, ETC. BY THE ELECTRICAL CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE. THE ELECTRICAL CONTRACTOR SHALL INSTALL AND COMPLETELY WIRE ALL ASSOCIATED EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WIRE DIAGRAMS AND AS REQUIRED FOR A COMPLETE OPERATING INSTALLATION. ELECTRICAL CONTRACTOR SHALL VERIFY AND COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF EQUIPMENT PRIOR TO ROUGH-IN OF CONDUIT AND WIRING TO AVOID CONFLICTS WHERE APPLICABLE.
17. GROUNDING CONDUCTORS SHALL BE COPPER OR SOLID TINNED COPPER. ALL CONNECTIONS MADE BELOW GRADE SHALL BE SOLID TINNED COPPER. ALL CONNECTIONS ABOVE GRADE STRANDED IS PERMITTED. BUS BARS TO BE TIN PLATED COPPER
18. ALL EXOTHERMIC WELDS ABOVE FINISHED GRADE SHALL BE PAINTED WITH CO-GALVANIZED ZINC ENRICHED PAINT TO MATCH COLOR OBJECT BONDED TO.
19. CONNECT COAX GROUND KITS TO MASTER GROUND BAR AT BASE OF TOWER.
20. CONNECT COAX GROUND KITS TO GROUND BUS AT TOP OF TOWER.
21. CONNECT LNA GROUND TO GROUND BUS AT TOP OF TOWER.
22. ALL GROUNDING CONNECTIONS TO BE MADE USING EXOTHERMIC WELD PROCESS UNLESS OTHERWISE APPROVED BY DESIGNER.
23. ELECTRICAL CONTRACTOR TO PULL BONDING JUMPER AT CABINET ONLY IF DISCONNECT GROUND IS TIED TO GROUND FIELD INSTEAD OF SEPARATE GROUND ROD.
24. PLAN DRAWINGS SHOWN HEREIN DO NOT NECESSARILY DEPICT ELECTRICAL REQUIREMENTS OF INDIVIDUAL EQUIPMENT AND DEVICES SUCH AS THE EQUIPMENT GROUNDING REQUIREMENTS, POWER REQUIREMENTS AND TELCO RACEWAY REQUIREMENTS.
25. PLAN DRAWINGS SHOWN HEREIN ARE DIAGRAMMATIC AND DO NOT NECESSARILY DEPICT THE EXACT EQUIPMENT QUANTITIES, LOCATION, LAYOUT AND CONFIGURATION. REFER TO ARCHITECTURAL PLANS FOR EXACT EQUIPMENT LOCATION, LAYOUT AND CONFIGURATION.
26. REFER TO ARCHITECTURAL PLANS FOR THE LOCATION OF POWER AND TELCO POINT OF CONNECTIONS, THE DISTANCE OF THE RUN, AND THE SUGGESTED CONDUIT ROUTING. FIELD VERIFY EXISTING CONDITIONS SPECIFICALLY FOR CONDUIT ROUTING PRIOR TO BID.
27. NUMBER OF ANTENNAS REPRESENTED IN THIS DETAIL ARE FOR SHOWING CLARITY OF GROUND SYSTEM REQUIREMENTS ONLY. SEE RF INFO FOR ANTENNA QUANTITY.
28. CONTRACTOR TO 'NOALOX' ALL CONNECTIONS TO GROUND BARS.
29. ALL GROUND WIRES ENTERING GROUND SHALL HAVE PVC SLEEVE.



 EXOTHERMIC WELD
 MECHANICAL CONNECTION
 #2 AWG SOLID TINNED COPPER

 GROUND BUS BAR

- SYSTEM MODULE TO CABINET GROUND BAR:
#6 AWG STRANDED GREEN JACKETED GROUND WIRE
- AMIA'S TO CABINET GROUND BAR:
#6 AWG STRANDED GREEN JACKETED GROUND WIRE
- FSEE TO CABINET GROUND BAR:
#6 AWG STRANDED GREEN JACKETED GROUND WIRE
- DELTA CABINETS TO GROUND RING:
#2 SOLID TINNED COPPER GROUND WIRE IN 1/2" NON METALLIC SEALTIGHT, AND CAULKED
- CABINET GROUND BAR TO MASTER GROUND BAR:
#2 AWG STRANDED GREEN JACKETED GROUND WIRE
- OVP'S TO MASTER GROUND BAR:
#2 AWG STRANDED GREEN JACKETED GROUND WIRE
- NEW #2 AWG SOLID TINNED FROM PPC TO EQUIPMENT GROUND RING
- NEW #2 AWG SOLID TINNED FROM CIENA TO EQUIPMENT GROUND RING
- (2) NEW #2 AWG SOLID TINNED TO EXISTING TOWER GROUND RING IN 1/2" NON METALLIC SEALTIGHT, AND CALKED
- (2) NEW #2 AWG SOLID TINNED FROM NEW MASTER GROUND BAR TO NEW GROUND RING IN 1/2" NON METALLIC SEALTIGHT, AND CALKED
- ICE BRIDGE POST TO GROUND RING:
#2 AWG SOLID TINNED COPPER GROUND WIRE IN 1/2" NON-METALLIC SEALTIGHT, AND CALKED



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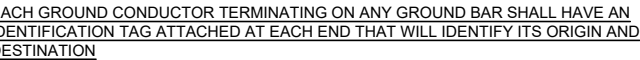
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DRAWN: ATK
JOB: T2200357

GR-2
GROUNDING
RISER & NOTES

GR-2
GROUNDING
RISER & NOTES
Page 40 of

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KEY NOTES:	
1.	1/4" THK ELECTRICAL TINNED GROUND BAR HARGER OR APPROVED EQUAL. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION
2.	INSULATORS (UNLESS NOTED OTHERWISE)
3.	3/8" STAINLESS STEEL LOCKWASHERS
4.	WALL MOUNTING BRACKET
5.	3/8" STAINLESS STEEL BNLF BOLTS
6.	EXOTHERMICALLY WELD #2 AWG BARE TINNED SOLID COPPER CONDUCTOR TO GROUND BAR. ROUTE CONDUCTOR TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD
7.	CONTRACTOR SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "N", "I") WITH 1" HIGH LETTERS



- COLLECTOR GROUND BAR
- GENERATOR FRAMEWORK (IF AVAILABLE)
- TELCO GROUND BAR
- COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND
- FIBER GROUND BAR
- EQUIPMENT ROOM COLLECTOR GROUND BAR
- HVAC
- RECTIFIER FRAMES

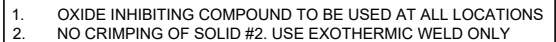
- EQUIPMENT
- CABLE TRAY SYSTEM
- EQUIPMENT FRAMES
- BATTERY RACKS
- DC POWER

- ISOLATED EQUIPMENT FRAMES
- ISOLATED GROUND BAR - IGB

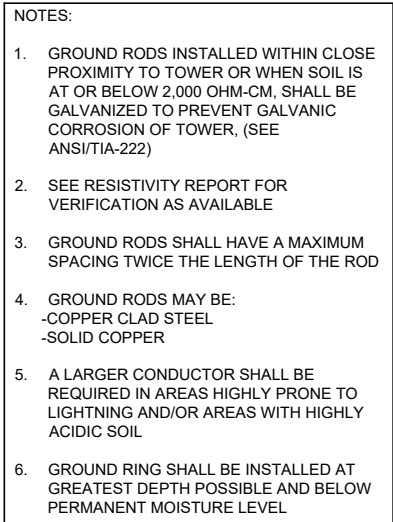
- INTERIOR GROUND RING
- EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING)
- METALLIC COLD WATER PIPE (IF AVAILABLE)
- BUILDING STEEL (IF AVAILABLE)
- AC POWER

GROUND BAR DETAIL

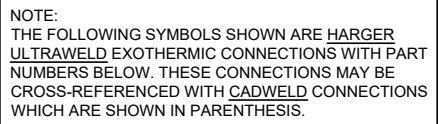
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3



5

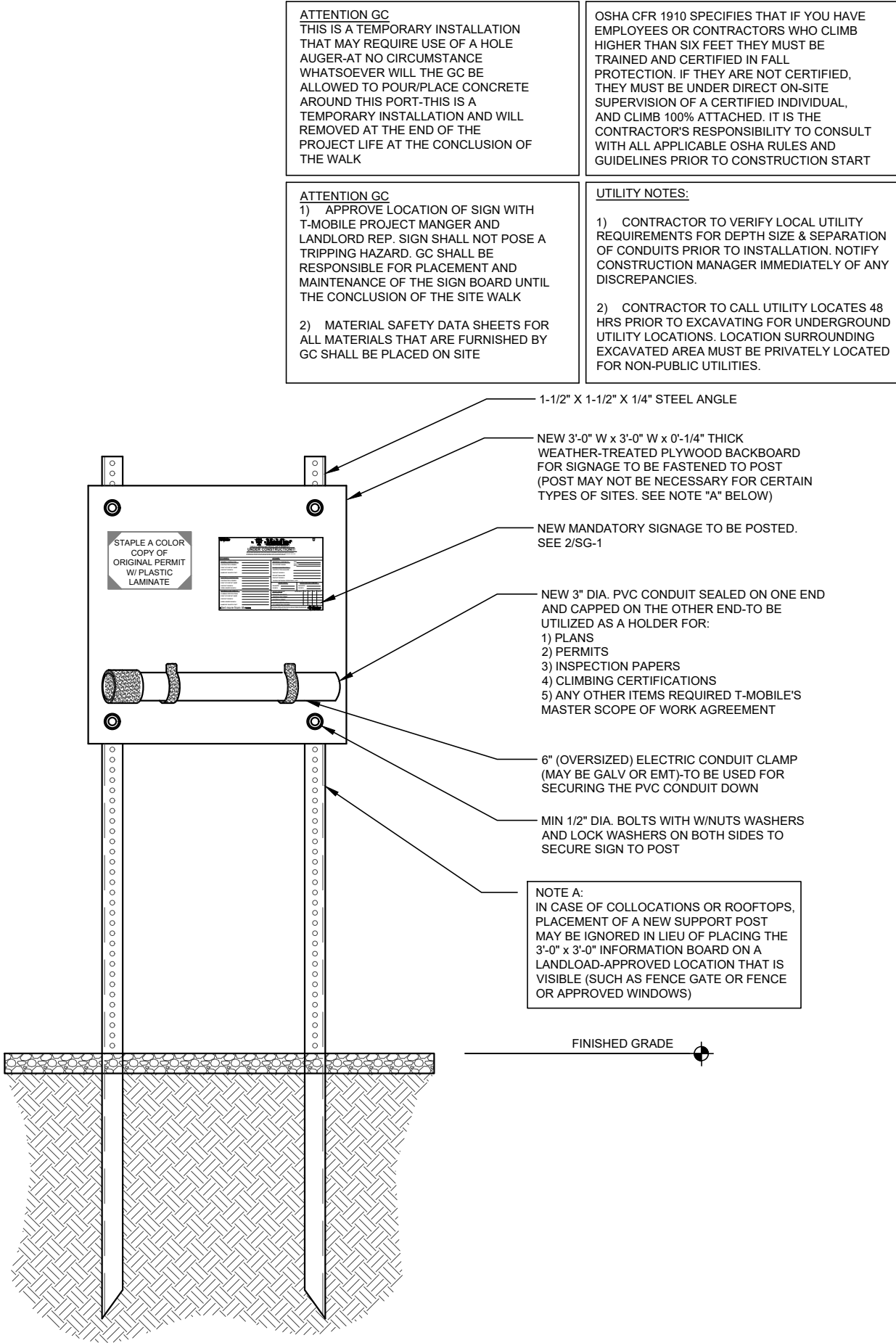


REVISIONS			
REV.	ISSUED FOR	DATE	BY
0	FINAL	03/17/22	ATK
1	REVISION	04/01/22	ATK

AQUATIC \ DESIGN & PROGRAM MANAGEMENT
CIVIL \ TELECOMMUNICATION \ MECHANICAL
PLUMBING \ ELECTRICAL \ LAND SURVEYING
ACCESSIBILITY CONSULTING \ STRUCTURAL

GR-3

Page 41 of 175



ELEVATION

SCALE: NONE

1

T-M-O

T-Mobile

U.S.A

THIS IS A T-MOBILE USA FACILITY THAT IS CURRENTLY UNDER CONSTRUCTION!!!

THE FOLLOWING INFORMATION IS SHALL BE POSTED BY THE GENERAL CONTRACTING FIRM THAT HAS BEEN AWARDED THE CONSTRUCTION FOR THIS SITE FAILURE TO POST THIS INFORMATION CONSTITUTES A VIOLATION OF THE MASTER SCOPE OF WORK AGREEMENT BETWEEN THE CONTRACTOR & T-MOBILE

SITE NUMBER:

SITE NAME:

GENERAL CONTRACTOR:

CONTRACTOR LICENSE#

POINT OF CONTACT NAME

CONTACT PHONE #

NAMES OF ON-SITE STAFF

ELECTRICAL CONTRACTOR:

CONTRACTOR LICENSE#

POINT OF CONTACT NAME

CONTACT PHONE #

CREW LEADER PHONE #

ANTENNA & LINE CREW CO:

CLIMBING CERTIFICATION#

POINT OF CONTACT NAME

CONTACT PHONE #

CREW LEADER PHONE #

NAMES OF ON-SITE STAFF

EMERGENCY CONTACTS

POLICE/FIRE PHONE#

T-MOBILE CONSTRUCTION

CONSTRUCTION MANAGER

CONTACT PHONE #

PROJECT MANAGER

CONTACT PHONE #

T-MOBILE NETWORK OPERATIONS (1-800- -)

LOCAL TELCO

ENGINEER:

PHONE #

LOCAL ELECTRIC COMPANY

ENGINEER:

PHONE #

ON-SITE CHECKLIST

AVAILABLE:

YES

NO

N/A

DATE

PERMITTED DRAWINGS

CONSTRUCTION PERMIT

ELECTRICAL PERMIT

CLIMBING CERTIFICATIONS

CITY INSPECTION STICKERS

IMPORTANT: GENERAL CONTRACTOR SHALL POST THIS MANDATORY SIGN ON THE SITE INFORMATION BOARD ALONG WITH THE MATERIALS FROM THE ABOVE NOTED CHECKLIST IN A VISIBLE AREA ON SITE

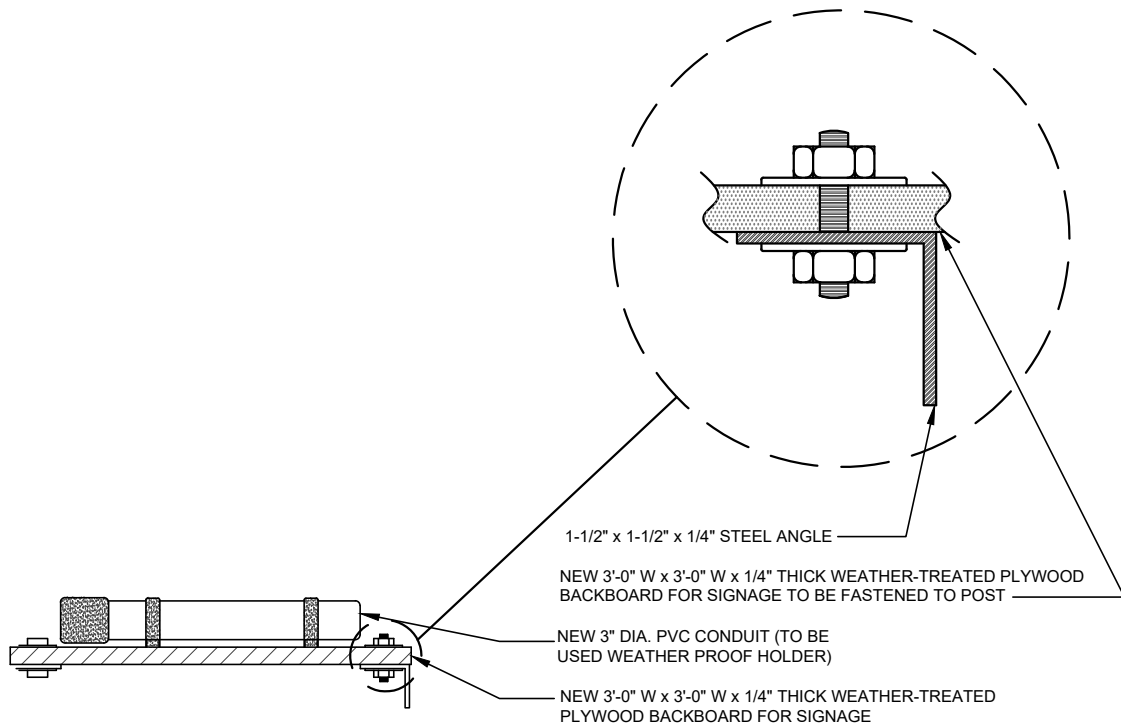
T-Mobile

Get more from life

ON-SITE MANDATORY INFORMATION

SCALE: NONE

2



PLAN VIEW

SCALE: NONE

3



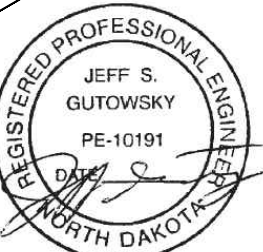
WT GROUP
Engineering with Precision, Pace and Passion
2975 Pratum Avenue | Hoffman Estates, IL 60132
T: 224.293.6333 | F: 224.293.6444
wtengineering.com

WT Group
Engineering • Design • Consulting

MS03NP478

A1R0069A

40TH AVENUE WEST
WEST FARGO, ND 58078



EXPIRES: 12/31/22 SIGNED: 04/01/22

REVISIONS

REV.	ISSUED FOR	DATE	BY
0	FINAL	03/17/22	ATK
1	REVISION	04/01/22	ATK

AQUATIC \ DESIGN & PROGRAM MANAGEMENT
CIVIL \ TELECOMMUNICATION \ MECHANICAL
PLUMBING \ ELECTRICAL \ LAND SURVEYING
ACCESSIBILITY CONSULTING \ STRUCTURAL



CHECK: JKR

DRAWN: ATK

JOB: T2200357

SG-1

*** Consent Agenda ***

AGENDA ITEM DESCRIPTION
CITY COMMISSION
WEST FARGO, NORTH DAKOTA

1. CONTACT PERSON: Lisa Sankey
2. PHONE NUMBER: 515-5376 DATE: April 8, 2022
3. AGENDA TITLE:
CO: Corridor Overlay District Site and Building Plan Review for Office Space at
793 32nd Ave W.
4. PLEASE **BRIEFLY** DESCRIBE YOUR REQUEST:
CO: Corridor Overlay District Site and Building Plan Review and Approval. Prior
to issuance of a building permit, plans must be approved by the City Commission
5. SITE ADDRESS OR LEGAL DESCRIPTION (if applicable):
Located at 793 32nd Ave W (Lot 1, Block 1 of Eagle Run Plaza 12th Addition), City
of West Fargo, North Dakota.
5. ACTION BEING REQUESTED FROM CITY COMMISSION:
Approval – April 11, 2022, meeting, the Planning and Zoning Commission
recommended approval of the Site and Building Plans, on the basis the proposed
development on the site is consistent with the intent of the Corridor Overlay District
and subject to the condition that all provisions of West Fargo City Ordinances are
met to ensure sufficient review is provided for building inspections and other City
departments.

FACT SHEET

WEST FARGO CITY COMMISSION

April 18, 2022

BACKGROUND:

PURPOSE: CO: Corridor Overlay Plan Review at 793 32nd Ave W (Lot 1, Block 1 of Eagle Run Plaza 12th Addition), City of West Fargo North Dakota

EXISTING LAND USE: Vacant

PROPOSED LAND USE: Commercial Office/Retail Condo

EXISTING ZONING: CO: Corridor Overlay & C: Light Commercial

PARCEL SIZE: 10,106 square feet

The applicant has submitted site plans, including elevations showing a 1,500 square foot, two-story structure for use as office space.

Under Section 4-431.5.2.a, there is a higher construction standard for areas in the CO: Corridor Overlay District requiring the applicant receive approval of site and building plans by the Planning & Zoning and City Commissions prior to approval of a building permit for those areas along Sheyenne Street between Interstate 94 as well as 40th Avenue, 32nd Avenue west of Sheyenne Street and 13th Avenue East.

The Building Construction standards under 4-431.5. of the CO: Corridor Overlay District limits Light Commercial properties to no more than 30% metal or fiberglass on all walls fronting a public street provided it is coordinated into the architectural design. Seventy percent (70%) of any wall (facade area) which fronts on a public street shall be constructed of glass, brick, wood, stone, architectural concrete cast in place or precast concrete panels, or, as approved by the Commission(s), other integrated materials per the architectural design. The building does not front a public street; however, is faced with a combination of glass, LP siding (wood composite), brick, steel and metal, which would exceed the standard.

Setbacks for the building are more than adequate for the CO: Corridor Overlay District, as is the landscaping.

Under the original subdivision plat, a requirement for sidewalk or multi-use path connectivity within the subdivision was a condition of approval and addressed in a signed improvement agreement. The applicant previously submitted a plan showing connectivity to the 33rd Avenue West sidewalk.

Required parking for general office uses would be one space 300 square feet of gross floor area and the developer intends for share parking for the proposed four buildings/lots. Forty (40) parking spaces would be required, with the site plan showing 45 spaces.

Cross access easements within the plat provide access to 6th & 9th Streets West, as well as to 32nd and 33rd Avenues West. Direct driveway access to this lot is proposed to the north, along the east/west cross access easement.

The submitted information shows that City plans and development requirements can be met. Staff's recommendation is to approve the site and elevation plans for submittal to the City Commission with the condition that all provisions of West Fargo City Ordinances are met to ensure sufficient review is provided for building inspections and other City departments

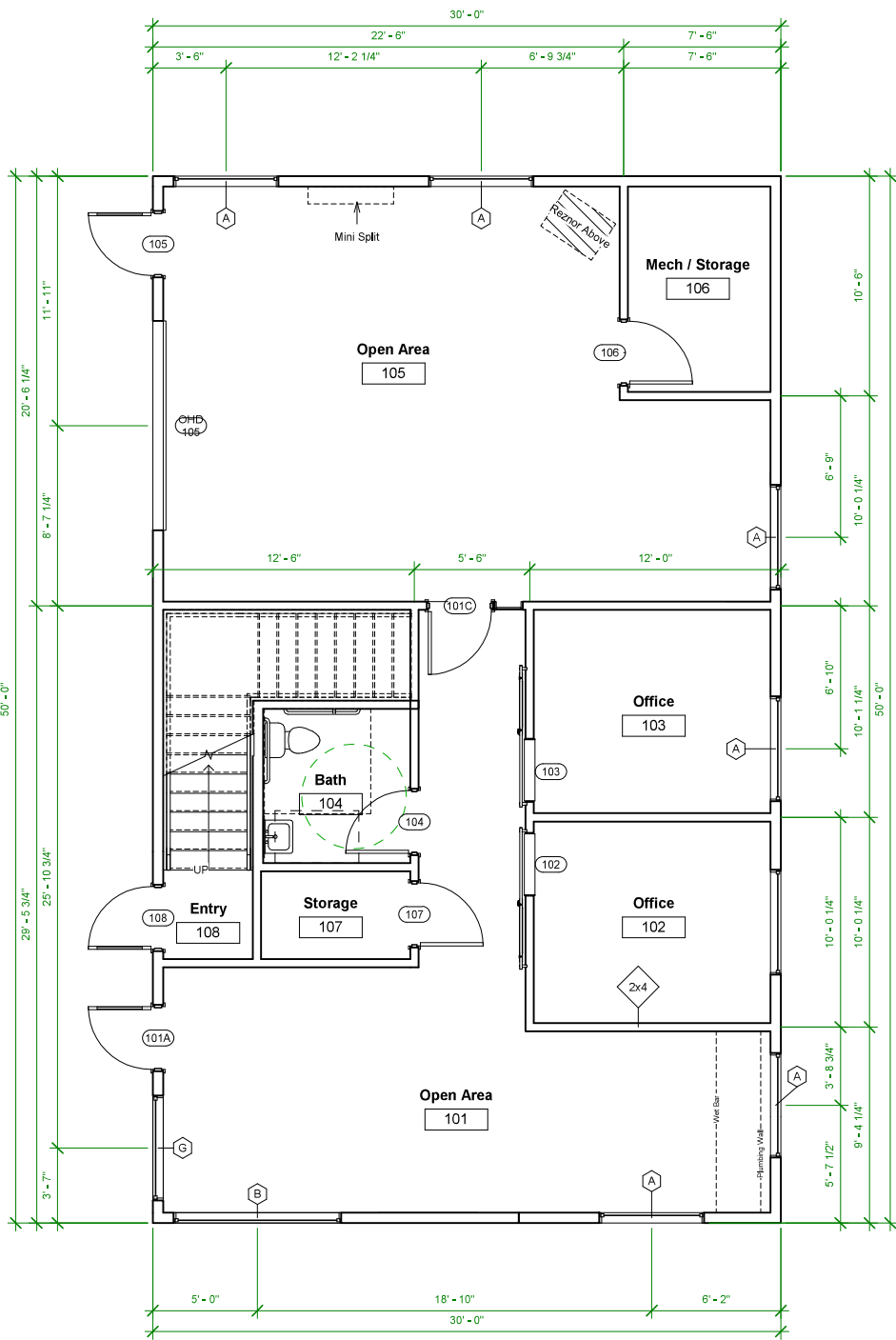
02-4450-00010-000



These data are provided on an "AS-IS" basis, without warranty of any type, expressed or implied, including but not limited to any warranty as to their performance, merchantability, or fitness for any particular purpose.

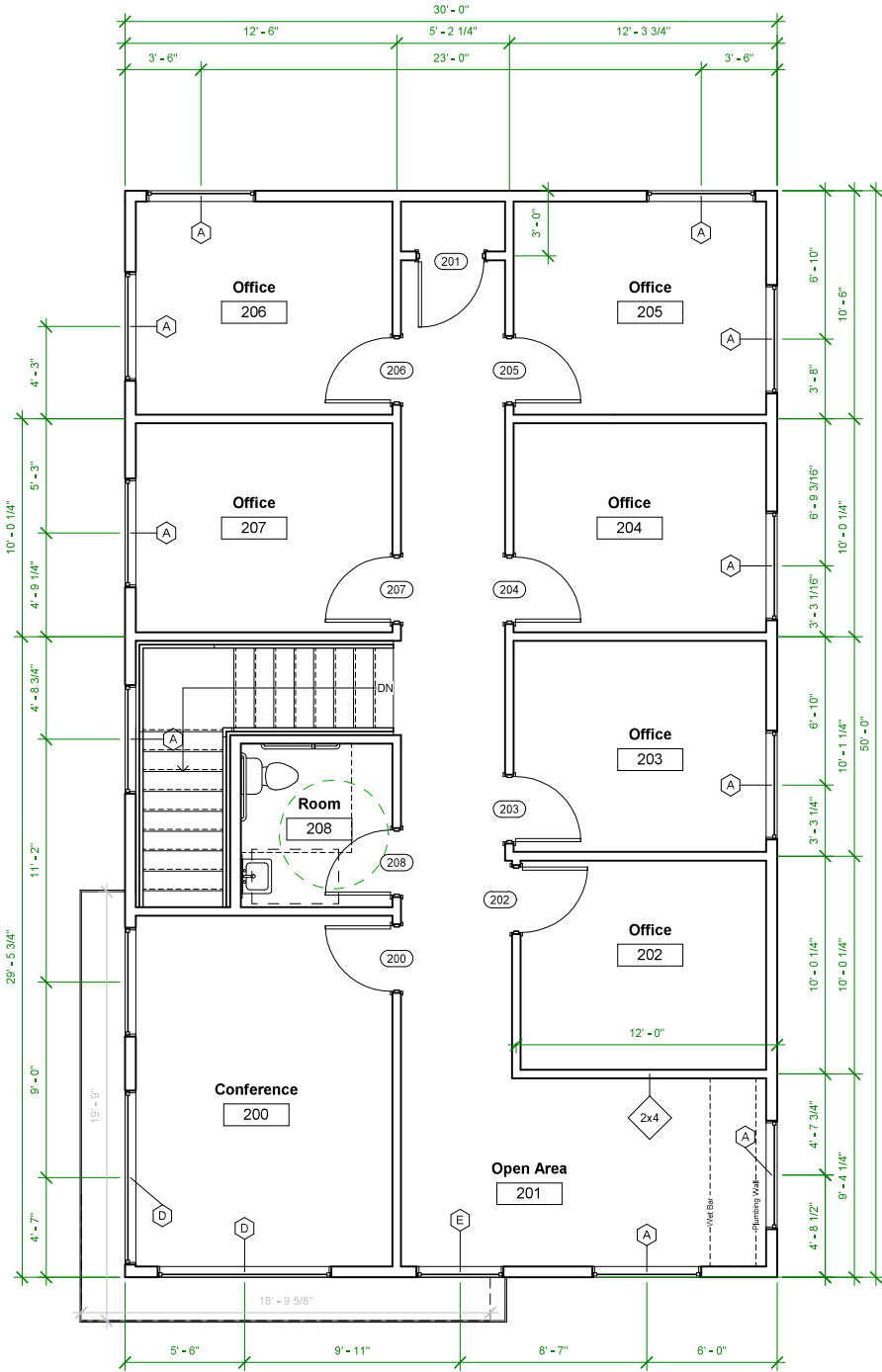
West Fargo	
Date: 3/22/2022	
This map is not a substitute for accurate field surveys or for locating actual property lines and any adjacent features.	





① Level 1
1/4" = 1'-0"

CONSTRUCTION NOTES
WALL HEIGHT = 9' - 1 1/8", TYP.
-16" OC STUD SPACING, TYP.
-VERIFY ROUGH OPENINGS WITH G.C.
-PROVIDE HANDRAIL BACKING



② Level 2
1/4" = 1'-0"

CONSTRUCTION NOTES
WALL HEIGHT = 9' - 1 1/8", TYP.
-16" OC STUD SPACING, TYP.
-VERIFY ROUGH OPENINGS WITH G.C.
-PROVIDE HANDRAIL BACKING

Window Schedule						
Type Mark	Type	Width	Height	Rough Height	Rough Width	Count
E	4050	4' - 0"	5' - 0"			1
A	5050	5' - 0"	5' - 0"			18
G	5070	5' - 0"	6' - 4"			1
D	8050	8' - 0"	5' - 0"			2
B	8070	8' - 0"	6' - 4"			1
Grand total: 23						

Door Schedule		
Mark	Width	Height
101A	3' - 0"	7' - 0"
101C	3' - 0"	7' - 0"
101E	1' - 2"	7' - 0"
102	3' - 0"	7' - 0"
103	3' - 0"	7' - 0"
104	3' - 0"	7' - 0"
105	3' - 0"	7' - 0"
106	3' - 0"	7' - 0"
107	3' - 0"	7' - 0"
108	3' - 0"	7' - 0"
200	3' - 0"	7' - 0"
201	3' - 0"	7' - 0"
202	3' - 0"	7' - 0"
203	3' - 0"	7' - 0"
204	3' - 0"	7' - 0"
205	3' - 0"	7' - 0"
206	3' - 0"	7' - 0"
207	3' - 0"	7' - 0"
208	3' - 0"	7' - 0"
OHD 105	10' - 0"	8' - 0"

Project Number	1/25/2022 1:53:55 PM
Author	

DATE: _____

NAME: _____

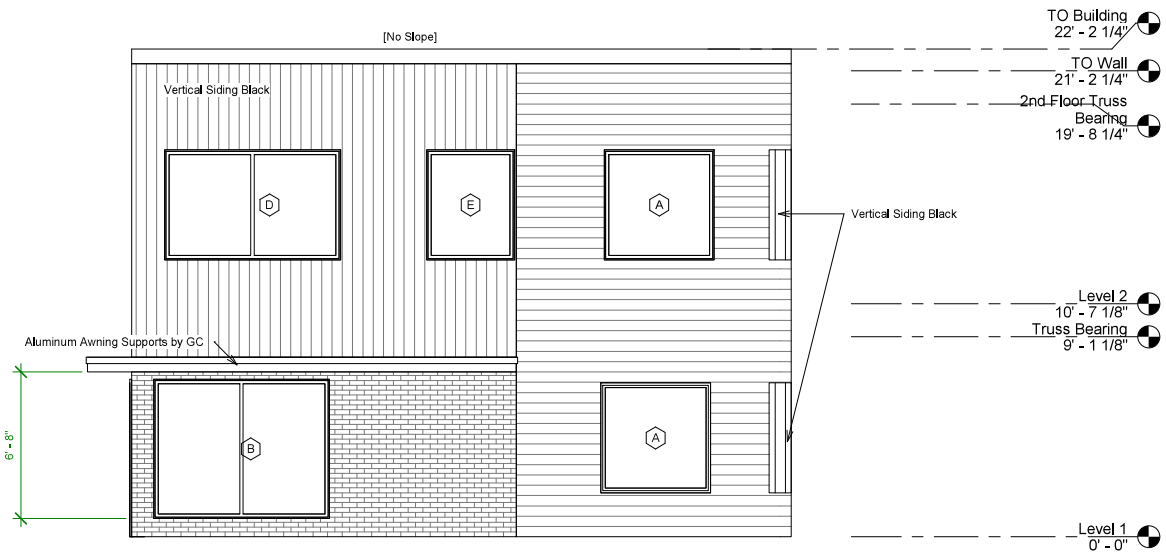
SUBMITTER: _____

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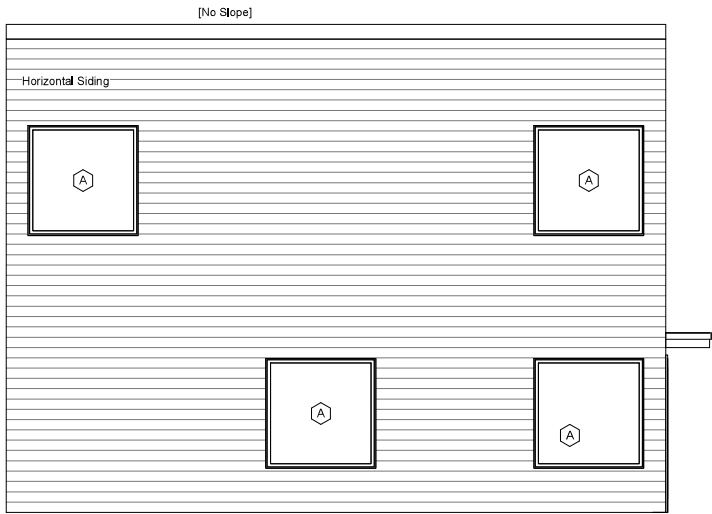
Eagle Run Lot 1

PAGE: A101

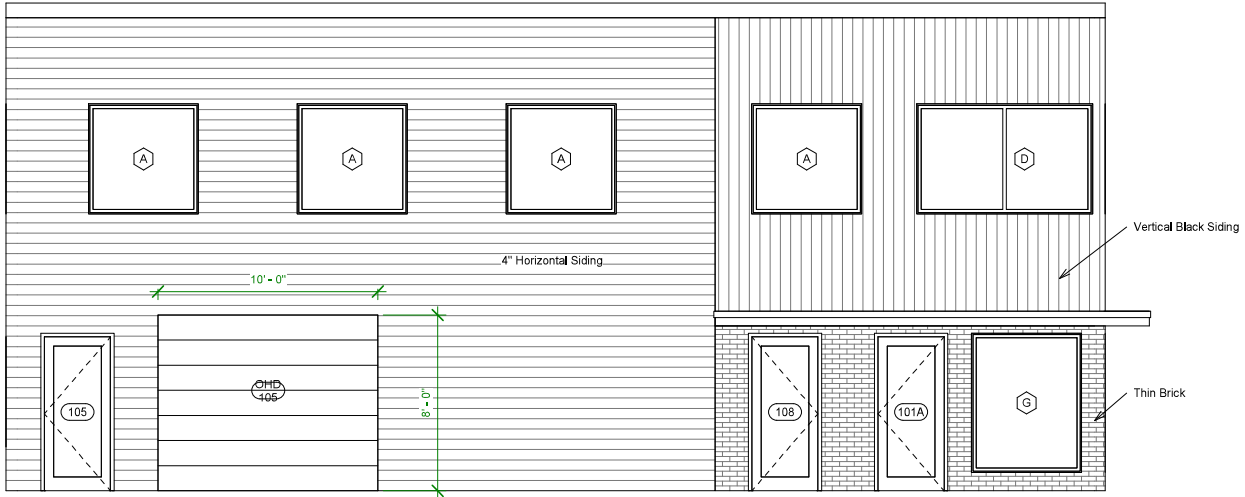
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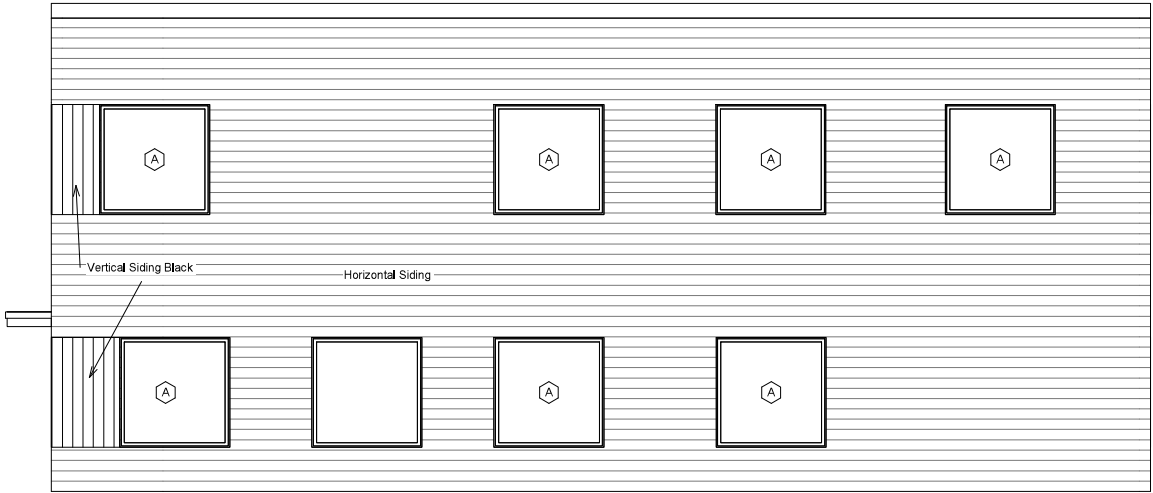
① North
1/4" = 1'-0"



③ South
1/4" = 1'-0"



② East
1/4" = 1'-0"



④ West
1/4" = 1'-0"

Project Number	1/25/2022 1:53:55 PM
Author	



DATE:

NAME:

Eagle Run Lot 1

PAGE:
A102

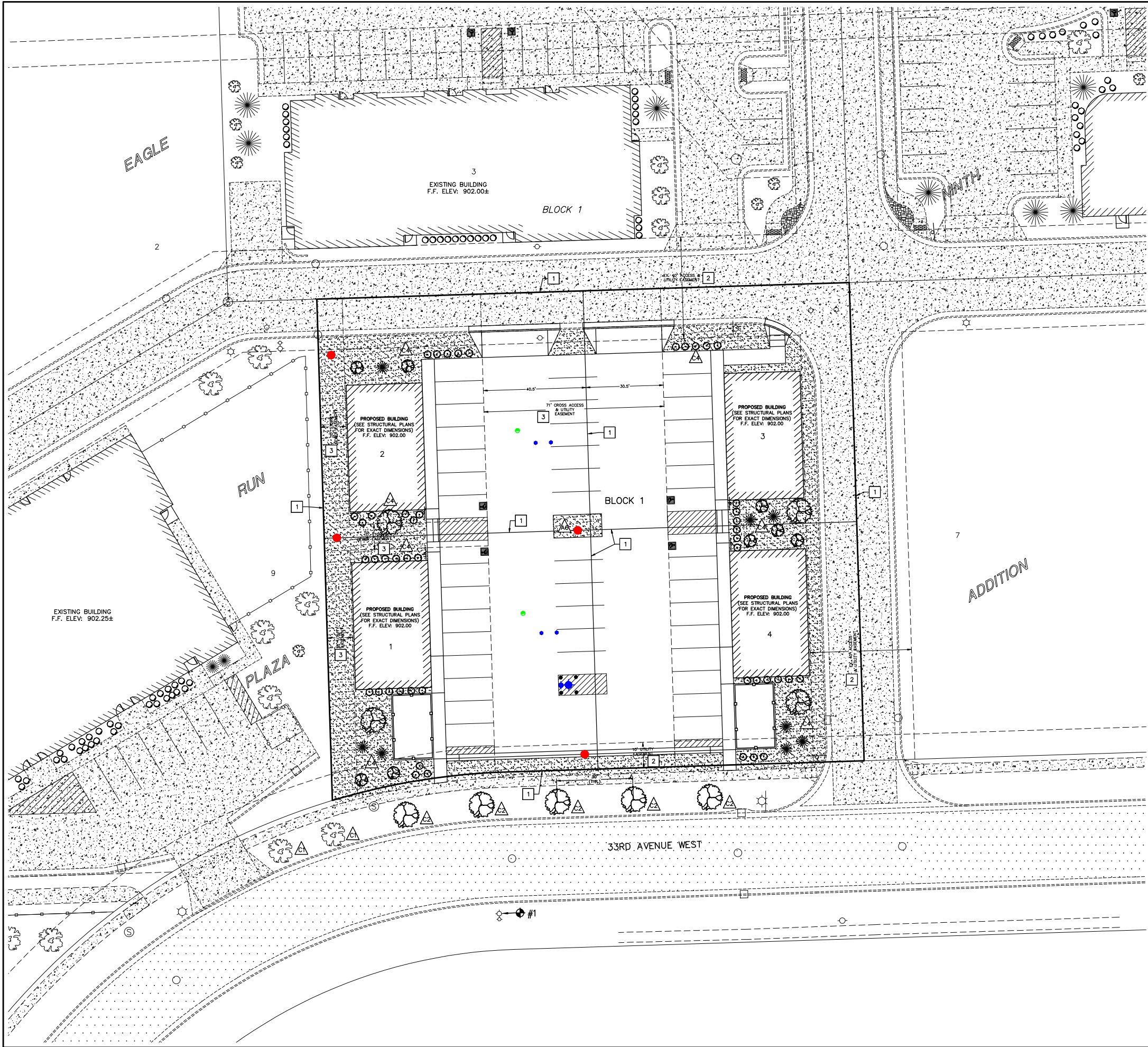
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FILE LOCATION: R:\Projects\21000\21933\CIVIL\PRODUCTION\21933-SITE.dwg

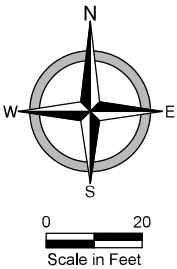


GENERAL NOTATIONS

- 1 PROPERTY LINE.
- 2 EXISTING EASEMENT.
- 3 PROPOSED EASEMENT.

LANDSCAPE NOTATIONS

- LA-7 PLANTING BED.
- EXISTING WEST FARGO BOULEVARD TREE.
- LA-21 WEST FARGO BOULEVARD TREE.
- LA-21 WEST FARGO ONSITE PLANTING.



BENCHMARK LIST			
VERTICAL DATUM: NGVD 29			
HORIZONTAL DATUM: WEST FARGO HORIZONTAL CALIBRATION			
NO.	DESCRIPTION	LOCATION	ELEV.
1	TOP NUT ON HYDRANT	SOUTH SIDE OF 33RD AVENUE WEST	903.60

LANDSCAPE PLAN
LOTS 1-4 OFFICE CONDOS
EAGLE RUN PLAZA 12TH ADDITION
WEST FARGO, NORTH DAKOTA
LANDSCAPE PLAN

DATE:	06.09.21
REVISED:	07.19.21
REVISED:	---
REVISED:	---
REVISED:	---
REVISED:	---
RECORD:	---

PROJECT No.	21933
MANAGER:	CPB
DESIGNER:	MJP
DRAFTER:	KAG
REVIEWER:	CPB

C-405

SHEET 8 OF 10

This document was originally issued and sealed by Kyle J. McCarty, Registration No. PE-6396, on 07/19/21 and the original document is stored at Moore Engineering, Inc., West Fargo, N.D.



*** Consent Agenda ***

AGENDA ITEM DESCRIPTION
CITY COMMISSION
WEST FARGO, NORTH DAKOTA

1. CONTACT PERSON: Lisa Sankey
2. PHONE NUMBER: 515-5376 DATE: April 8, 2022
3. AGENDA TITLE:
Site Plan Review for addition in CO-I: Interstate Corridor Overlay District at 750
23rd Avenue East
4. PLEASE **BRIEFLY** DESCRIBE YOUR REQUEST:
CO-I: Interstate Corridor Overlay Plan Review and Approval. Prior to issuance of
a building permit, plans must be approved by the City Commission
5. SITE ADDRESS OR LEGAL DESCRIPTION (if applicable):
Located at 750 23rd Avenue East (Lot 1, Block 1 of North Pond at the Preserve
1st Addition), City of West Fargo, North Dakota.
6. ACTION BEING REQUESTED FROM CITY COMMISSION:
Approval - At their April 11, 2022 meeting, the Planning and Zoning Commission
recommended approval on the basis the proposed development on the site is
consistent with the intent of the Interstate Corridor Overlay District.

FACT SHEET
WEST FARGO CITY COMMISSION
April 18, 2022

BACKGROUND:

PURPOSE: Interstate Corridor Overlay Site Plan and Building Plan Review at 750 23rd Avenue E – Lot 1, Block 1 North Pond at the Preserve 1st Addition

EXISTING LAND USE: Retail Commercial (Costco)

EXISTING ZONING: C: Light Commercial & CO-I: Interstate Corridor Overlay District

PARCEL SIZE: 790,096 Square Feet (18.14 Acres)

This property is located within the CO-I: Interstate Corridor Overlay District which requires that all development shall be subject to site and building plan review and approval by the Planning and Zoning Commission and City Commission. A higher construction standard is required in CO-I: Interstate Corridor Overlay District. Any exposed metal or fiberglass on all buildings shall be limited to no more than thirty (30) percent of any wall which fronts on a public street, provided that it is coordinated into the architectural design.

The site plan shows the existing 152,473 square foot building for their store with a proposed 8,560 square foot liquor store addition, with a separate entrance on the north side of the building, as well as fit-up for a new produce cooler and bakery freezer. The proposed addition would remove 17 parking spaces. The site plan shows 729 parking stalls which exceeds the required parking of 644 parking spaces. The parking lot contains landscaped islands, landscaping around the perimeter, and is setback adequately per the Corridor Overlay and Interstate Corridor Overlay districts. The building is set back to the west and has a northeast orientation for the main entrance. The truck receiving area is set to the northwest side of the building and is recessed facing north. The truck docks are about 450 feet from the north property line and over 600 feet from Interstate 94. The applicant is waiting for elevations from the architect reflecting building materials, which will be similar to the current structure and consist of metal panels, split-face concrete, and textured panels.

Final construction plans would be reviewed in detail by the staff to ensure that all zoning requirements are met.

The submitted information shows that City plans and development requirements can be met. Staff's recommendation is to approve the site and elevation plans for submittal to the City Commission with the condition that all provisions of West Fargo City Ordinances are met to ensure sufficient review is provided for building inspections and other City departments.



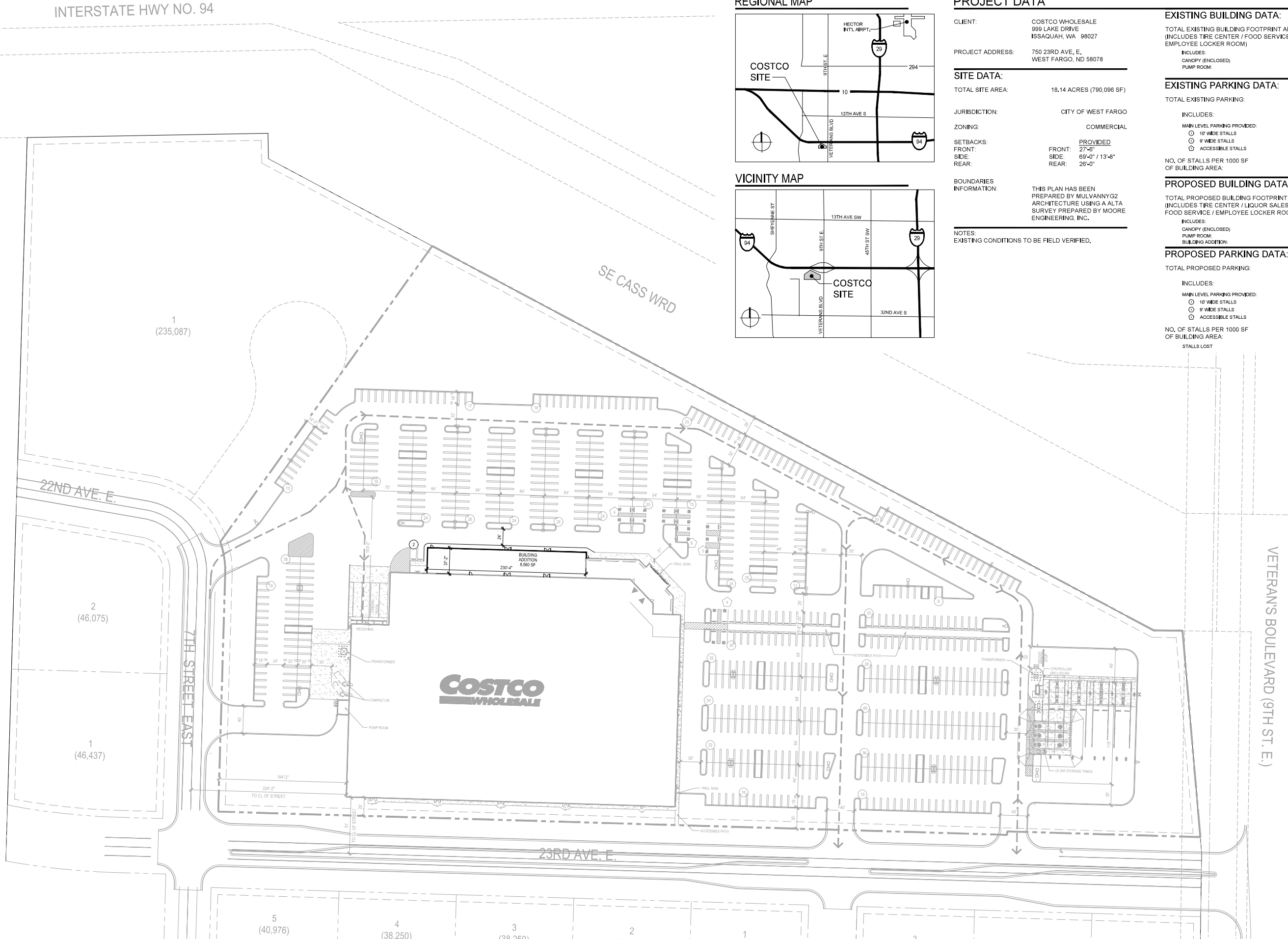
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West Fargo

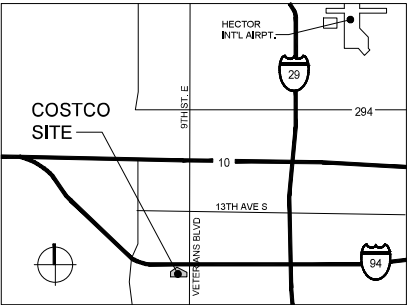
Date: 3/22/2022

This map is not a substitute for accurate field surveys or for locating actual property lines and any adjacent features.





REGIONAL MAP



VICINITY MAP



PROJECT DATA

CLIENT: COSTCO WHOLESALE
999 LAKE DRIVE
ISSAQUAH, WA 98027

PROJECT ADDRESS: 750 23RD AVE, E,
WEST FARGO, ND 58078

SITE DATA:

TOTAL SITE AREA: 18.14 ACRES (790,096 SF)

JURISDICTION: CITY OF WEST FARGO

ZONING: COMMERCIAL

SETBACKS: PROVIDED
FRONT: 27'-6"
SIDE: 69'-0" / 13'-8"
REAR: 26'-0"

BOUNDARIES INFORMATION: THIS PLAN HAS BEEN PREPARED BY MULVANNY G2 ARCHITECTURE USING AN ALTA SURVEY PREPARED BY MOORE ENGINEERING, INC.

NOTES: EXISTING CONDITIONS TO BE FIELD VERIFIED.

EXISTING BUILDING DATA:

TOTAL EXISTING BUILDING FOOTPRINT AREA: 152,473 SF
(INCLUDES TIRE CENTER / FOOD SERVICE / EMPLOYEE LOCKER ROOM)

INCLUDES:
CANOPY (ENCLOSED) 4,156 SF
PUMP ROOM: 324 SF

EXISTING PARKING DATA:

TOTAL EXISTING PARKING: 751 STALLS

INCLUDES:
MAIN LEVEL PARKING PROVIDED:
10' WIDE STALLS 734 STALLS
9' WIDE STALLS 0 STALLS
ACCESSIBLE STALLS 17 STALLS

NO. OF STALLS PER 1000 SF OF BUILDING AREA: 4.93 STALLS

PROPOSED BUILDING DATA:

TOTAL PROPOSED BUILDING FOOTPRINT AREA: 161,033 SF
(INCLUDES TIRE CENTER / LIQUOR SALES / FOOD SERVICE / EMPLOYEE LOCKER ROOM)

INCLUDES:
CANOPY (ENCLOSED) 4,156 SF
PUMP ROOM: 324 SF
BUILDING ADDITION: 8,560 SF

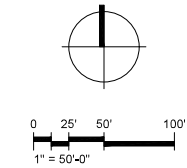
PROPOSED PARKING DATA:

TOTAL PROPOSED PARKING: 729 STALLS

INCLUDES:
MAIN LEVEL PARKING PROVIDED:
10' WIDE STALLS 712 STALLS
9' WIDE STALLS 0 STALLS
ACCESSIBLE STALLS 17 STALLS

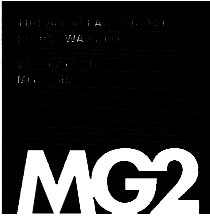
NO. OF STALLS PER 1000 SF OF BUILDING AREA: 4.52 STALLS
STALLS LOST

VETERAN'S BOULEVARD (9TH ST. E.)



COSTCO
WHOLESALE
WEST FARGO, ND
#1119

750 23rd AVE E.
WEST FARGO, ND 58078



11-0072
APRIL 8, 2022

PRELIMINARY
SITE PLAN

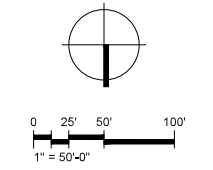
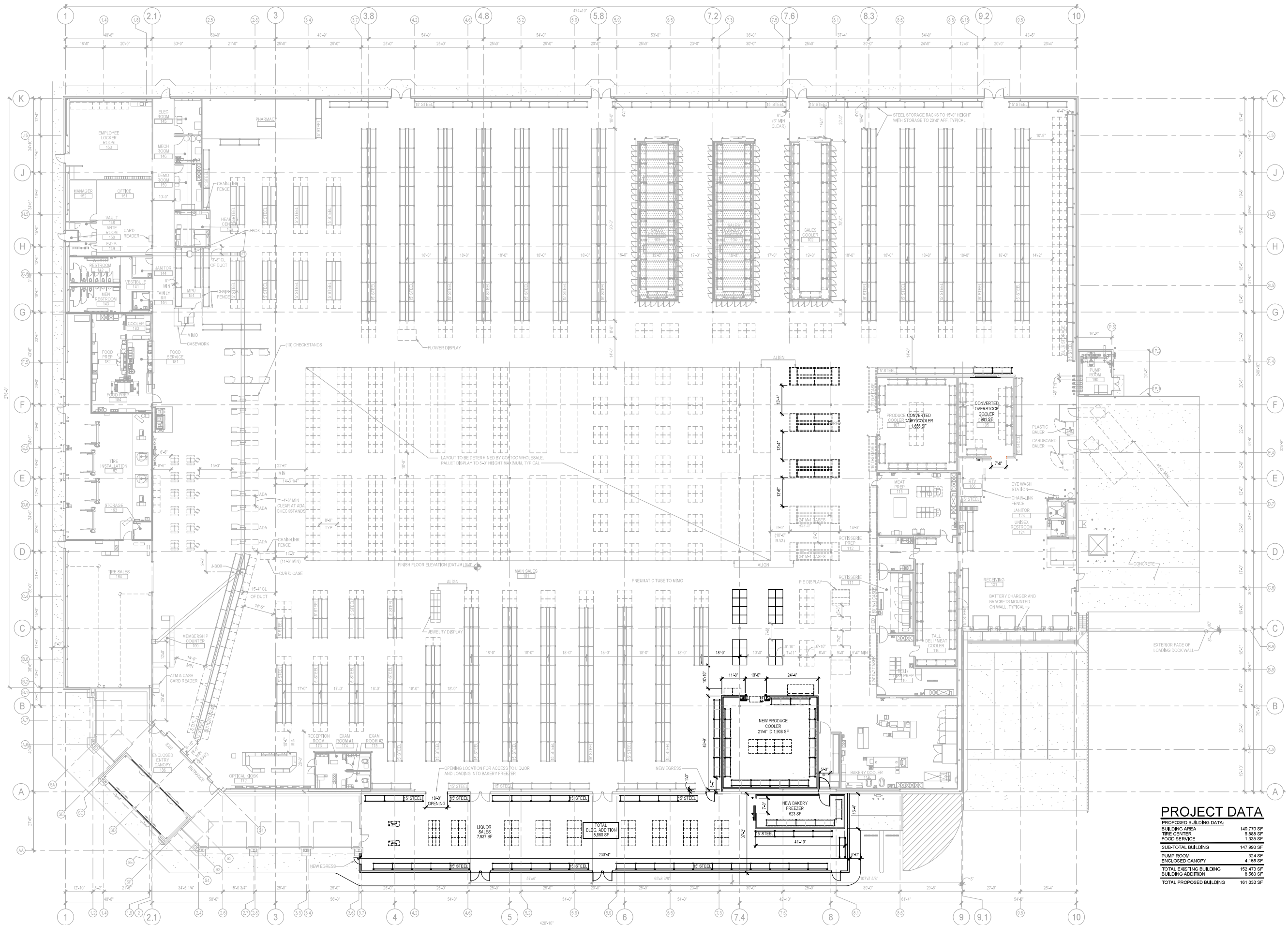
P11-02

APRIL 8, 2022

COSTCO WHOLESALE

WEST FARGO, NORTH DAKOTA

PRELIMINARY SITE PLAN



COSTCO
WHOLESALE
WEST FARGO, ND
#1119

750 23rd AVE. E.
WEST FARGO, ND 58078

PROJECT DATA	
PROPOSED BUILDING DATA:	
BUILDING AREA	140,770 SF
TIRE CENTER	5,888 SF
FOOD SERVICE	1,338 SF
SUB-TOTAL BUILDING	147,993 SF
PUMP ROOM	334 SF
ENCLOSED CANOPY	4,156 SF
TOTAL EXISTING BUILDING	152,473 SF
BUILDING ADDITION	8,560 SF
TOTAL PROPOSED BUILDING	161,033 SF



11-0072
APRIL 8, 2022

PRELIMINARY
FLOOR PLAN

P21-02

COSTCO WHOLESALE

WEST FARGO, NORTH DAKOTA

PRELIMINARY FLOOR PLAN

APRIL 8, 2022



"Consent" or "Regular"
Agenda Item?
[Consent]

To: West Fargo City Commission

From: Dustin T. Scott, City Engineer

Date: April 18, 2022

Subject: District No. 1337; Wilds 21st Addition – Phase 2

Action: Approve Plans and Specifications, and Authorize Bid Advertisement.

Commission President

Bernie Dardis

Primary Portfolio:

Administration/Finance

Secondary Portfolio:

Street, Water and
Sewer

**Commission
Vice President**

Brad Olson

Primary Portfolio:

Street, Water and
Sewer

Secondary Portfolio:

Sanitation

Commissioner

Eric Gjerdevig

Primary Portfolio:

Planning, Zoning and
Engineering

Secondary Portfolio:

Administration/Finance

Commissioner

Mark Simmons

Primary Portfolio:

Police and Fire

Secondary Portfolio:

Planning, Zoning and
Engineering

Commissioner

Mandy George

Primary Portfolio:

Sanitation

Secondary Portfolio:

Police and Fire

City Administrator

Tina Fisk

New Information and Recommendation:

As directed by the City Commission on March 21, 2022, staff has been working with the developer, Westport Investments, LLC and our consultant Moore Engineering to complete plans and specifications to service the remaining portion of the Wilds 21st Addition.

The following documents are attached for review/consideration:

- Sample sheets from the Plans and Specifications.
- Draft Bid Advertisement – will be published for two weeks.
- Resolution Approving Plan and Specifications
- Resolution Directing Bid Advertisement

Staff Recommendation: Approve Plans and Specs, and Authorize Bid Advertisement

Previously Presented Information and Commission Actions:

March 21, 2022 – As directed by the City Commission, the Engineer's Report has been amended to include the recently petitioned improvements for the remaining lots in The Wilds 21st Addition. This also prompted the need to replace Task Order 50, which only included services relating to drainage improvements along the diversion channel. Task Order 50-1 incorporates the revised work identified as "Phase 2" in the amended Engineer's Report.

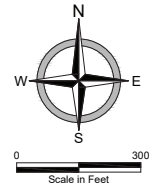
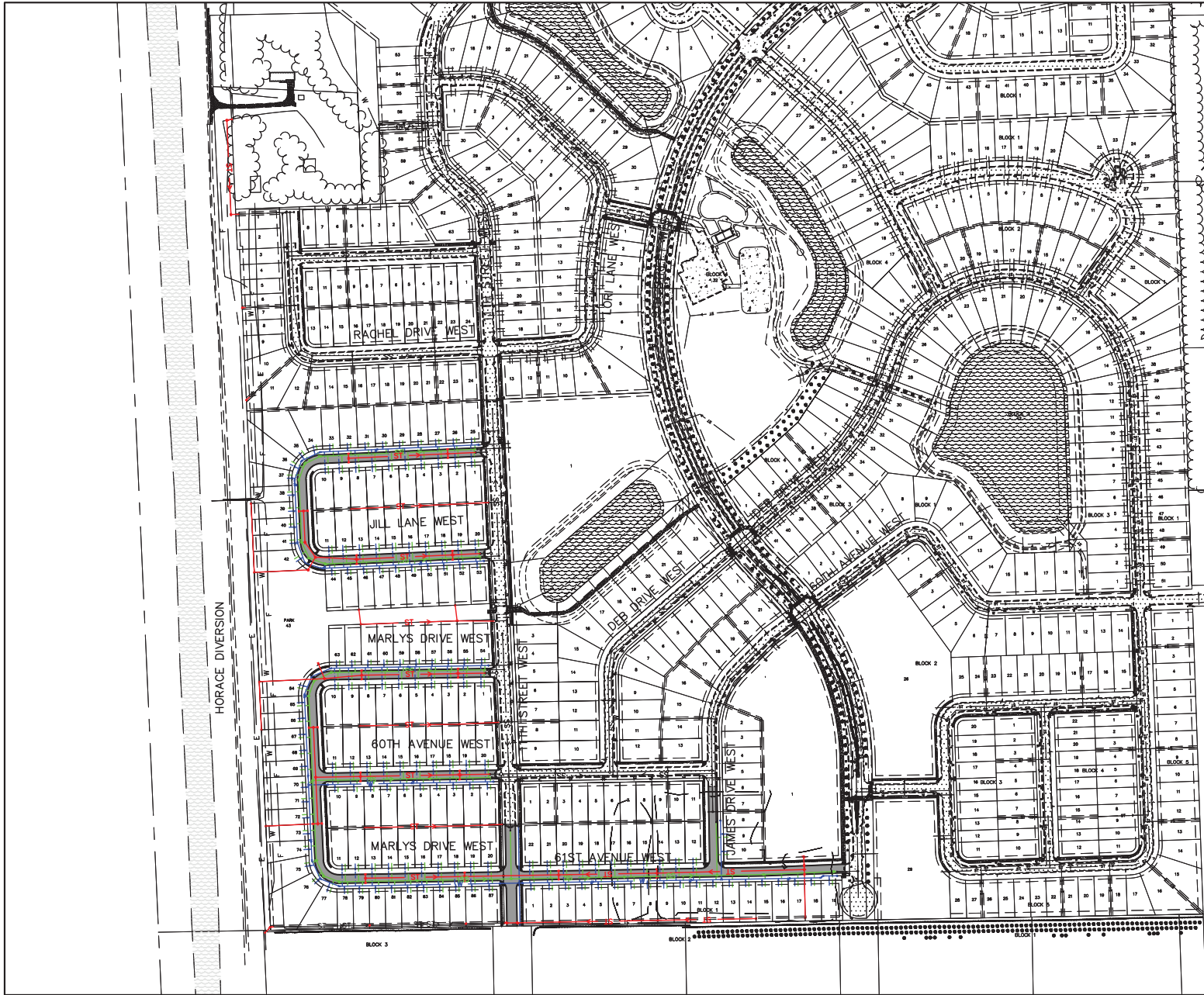
- **Staff Recommendation:** Approve the Amended Engineer's Report, Approve Task Order 50-1, and Authorize Engineer to prepare Plans and Specifications.
- **City Commission Action:** Commissioner Simmons moved and Commissioner Gjerdevig seconded to approve. No opposition. Motion carried.

February 7, 2022 - Westport Investments, LLC submitted another petition for improvements to service the remaining portion of the Wilds 21st Addition. Staff proposes to add this work to Improvement District 1337, which was created in 2021 and is already under construction. This would require an amendment to the Engineer's Report, but the district boundary would not be changed.

- **Staff Recommendation:** Accept the "Petition for Improvements" and direct engineering to prepare an amendment to the Engineer's Report.
- **City Commission Action:** Commissioner Olson moved and Commissioner Gjerdevig seconded to approve. Commissioner Simmons was absent and not voting. No opposition, motion carried.

February 22, 2022 – Following the acceptance of the new petition, a formal resolution was drafted and placed on "Consent" agenda.

- **Staff Recommendation:** Accept Resolution Declaring Petition for Improvements Received.
- **City Commission Action:** Commissioner Olson moved, and Commissioner George seconded to approve. Commissioner Gjerdevig was absent and not voting. No opposition, motion carried.



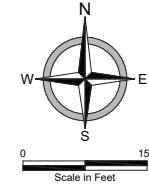
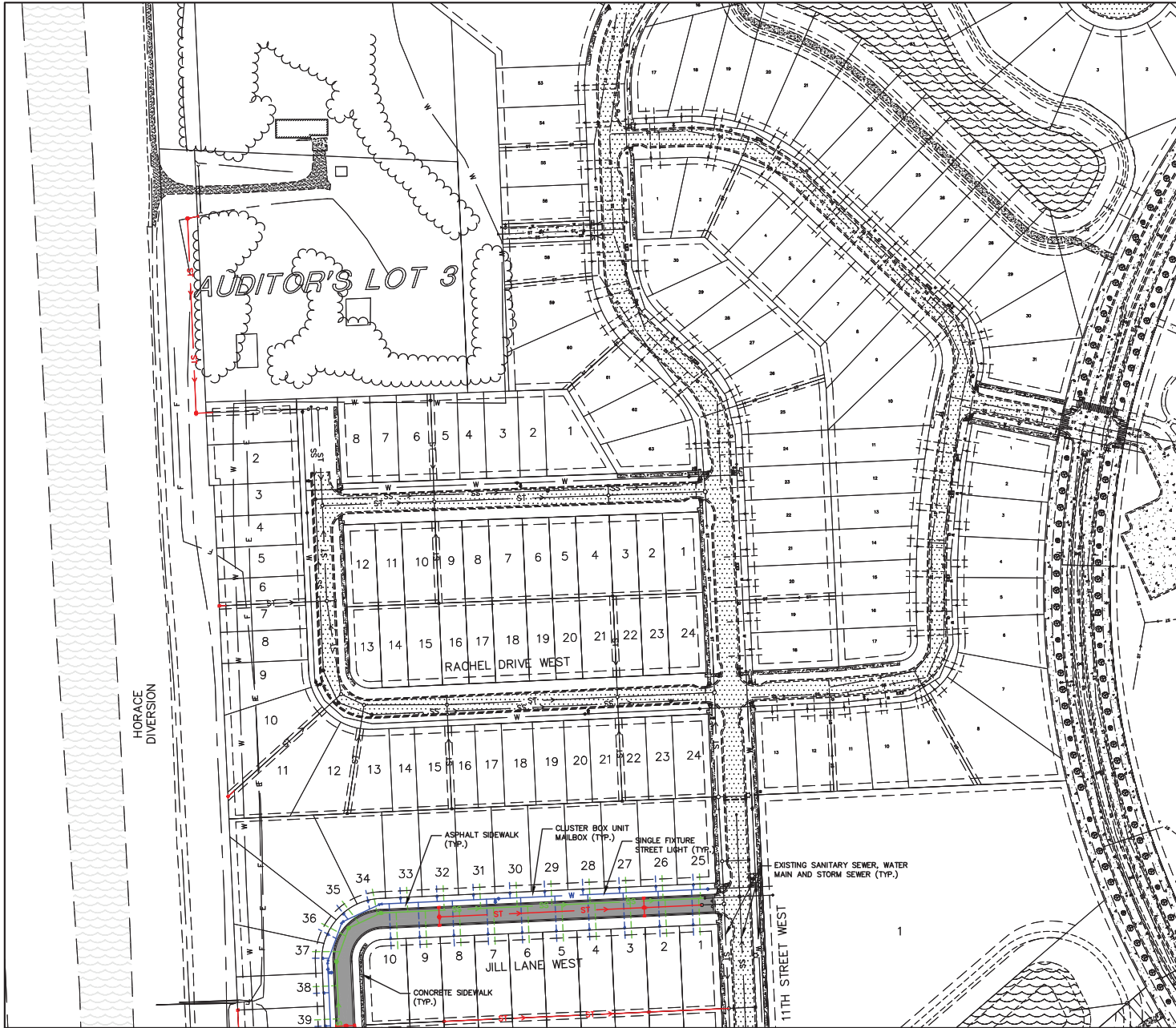
PRELIMINARY



PROJECT LAYOUTS
IMPROVEMENT DISTRICT NO. 1337
THE WILDS 21ST ADDITION - PHASE 2
WEST FARGO, NORTH DAKOTA
AREA PLAN

DATE:	01.06.22
REVISED:	---
REVISED:	---
REVISED:	---
REVISED:	---
REVISED:	---
RECORD:	---
PROJECT No.	217288
MANAGER:	DRH
DESIGNER:	BJP/AJS
DRAFTER:	JJB
REVIEWER:	---

C-101



PRELIMINARY



PROJECT LAYOUTS
IMPROVEMENT DISTRICT NO. 1337
THE WILDS 21ST ADDITION - PHASE 2
WEST FARGO, NORTH DAKOTA
GENERAL LAYOUT - NORTH

DATE:	01.06.22
REVISED:	---
REVISED:	---
REVISED:	---
REVISED:	---
REVISED:	---
RECORD:	---
PROJECT No.	217288
MANAGER:	DRH
DESIGNER:	BJP/AJS
DRAFTER:	JJB
REVIEWER:	---

C-102

PROJECT LAYOUTS IMPROVEMENT DISTRICT NO. 1337 THE WILDS 21ST ADDITION - PHASE 2 WEST FARGO, NORTH DAKOTA GENERAL LAYOUT - SOUTH	
DATE:	01.06.22
REVISED:	---
REVISED:	---
REVISED:	---
REVISED:	---
RECORD:	---
PROJECT No.	21728B
MANAGER:	DRH
DESIGNER:	BJP/AJS
DRAFTER:	JJB
REVIEWER:	

CITY OF WEST FARGO, NORTH DAKOTA
IMPROVEMENT DISTRICT NO. 1337
THE WILDS 21ST ADDITION - PHASE 2

ADVERTISEMENT FOR BIDS

City of West Fargo is requesting Bids for the construction of the project listed above.

Bids for the construction of the Project will be received and accepted via electronic bid (vBid) through QuestCDN until May 12th, 2022 at 10:00 a.m. local time. Bids will be viewed and read via video/phone conference at 10:30 a.m. Mailed or hand delivered bids will not be opened or considered. Link for the video/phone conference is provided at www.mooreengineeringinc.com by clicking the Bid Information tab, or at www.questcdn.com.

The Project consists of constructing sanitary sewer mains and services, water mains and services, storm sewer, asphalt streets with curb & gutter, street lights, sidewalks, multi-use paths, stock pile removal, levee toe embankment and other miscellaneous installations.

Bids will be received for a single prime Contract. Bids shall be on a unit price basis, with additive alternate bid items as indicated in the Bid Form.

Digital project bidding documents will be available at www.mooreengineeringinc.com by clicking the Bid Information tab, or at www.questcdn.com. You may download the complete set of digital documents for a nonrefundable fee of \$40.00 by locating eBidDoc™ Number 8178234 on the website. Contact QuestCDN Customer Support at 952-233-1632 or info@questcdn.com for assistance in membership registration, downloading digital project information, and vBid online bid submittal questions.

A pre-bid conference will be held at the time and location indicated in the Instructions to Bidders and at the website(s) listed above.

Each bid must be accompanied by a bidder's bond in a sum equal to 5% of the full amount of the bid executed by the bidder as principal and by a surety, conditioned that if the principal's bid is accepted and a contract is awarded to the principal, the principal, within ten (10) days after the notice of the award, shall execute a contract in accordance with the terms of the bid and the bid bond, and any conditions of the City of West Fargo, as required by law. A countersignature of a bid bond is not required. If the City of West Fargo elects to award a contract to the lowest responsible bidder, and the lowest responsible bidder does not execute a contract within ten (10) days, the bidder's bond will be forfeited to the City of West Fargo, and the City of West Fargo may award the project to the next lowest responsible bidder.

Each bidder must possess a valid North Dakota contractor's license for the full amount of their bid, as required by N.D.C.C. § 43-07-7. Each bidder MUST enclose a copy of their Contractor's License or Certificate of Renewal, issued by the North Dakota Secretary of State, and each license must be valid and dated at least 10 days prior to the date set for bid opening, as required under N.D.C.C. § 43-07-12.

The City of West Fargo will not read or consider any bid that does not fully comply with the requirements above, or the requirements of N.D.C.C. § 48-01.2-05

Owner: City of West Fargo
By: Tina Fisk
Title: City Administrator
Date: April 18, 2022

The City Auditor presented to the Board of City Commissioners the plans and specifications and estimates of cost for improvements in Improvement District No. 1337 of the City of West Fargo, North Dakota, as prepared by Dustin T. Scott, the Engineer for the City.

Commissioner _____ introduced the following resolution and moved its adoption:

RESOLUTION APPROVING PLANS AND SPECIFICATIONS FOR
IMPROVEMENTS IN DISTRICT NO. 1337- NEW WATER SUPPLY, SEWERAGE,
STREET SYSTEMS; AND INCIDENTALS OF THE CITY OF WEST FARGO

BE IT RESOLVED by the Board of City Commissioners of the City of West Fargo, North Dakota, that the plans and specifications and estimates of cost for improvements in Improvement District No. 1337 - New Water Supply, Sewerage, Street Systems; and Incidentals of the City of West Fargo heretofore prepared by Dustin T. Scott, Engineer for the City, be and the same hereby are approved, ratified and confirmed as the plans and specifications and estimates of cost in accordance with which said improvements shall be constructed and the City Auditor shall file the same in her office open to public inspection.

Dated: April 18, 2022

APPROVED:

President of Board of City Commissioners

ATTEST:

City Auditor

The motion for the adoption of the foregoing resolution was duly seconded by Commissioner _____.

On roll call vote the following commissioners voted aye: _____.

_____.

The following commissioners voted nay: _____.

The following commissioners were absent and not voting: _____. The majority having voted aye, the motion carried and the resolution was duly adopted.

Commissioner _____ introduced the following resolution and moved for its adoption:

RESOLUTION DIRECTING AUDITOR TO
ADVERTISE FOR BIDS

WHEREAS, this Board has heretofore created Improvement District No. 1337 - New Water Supply, Sewerage, Street Systems; and Incidentals of the City of West Fargo; and

WHEREAS, plans and specifications and estimates of costs for said Improvement District No. 1337 have heretofore been directed to be prepared by the Engineer for the City of West Fargo; and

WHEREAS, said plans, specifications and estimates of cost have been prepared and have been approved by the Board of City Commissioners of the City of West Fargo; and

WHEREAS, it is necessary to advertise for bids for the work in said project.

NOW THEREFORE, BE IT RESOLVED by the Board of City Commissioners of the City of West Fargo, Cass County, North Dakota, that the City Auditor be, and she is hereby authorized and directed to cause notice of Advertisement for Bids for the construction of the work heretofore directed to be made in Improvement District No. 1337- New Water Supply, Sewerage, Street Systems; and Incidentals to be published once each week for two consecutive weeks in *The Forum*, and that the City Auditor and Engineer will meet at the City Hall in the City of West Fargo, at a time and date to be determined by the City Auditor, for the purpose of opening sealed bids received prior to the time of such meeting in accordance with such published advertisement for bids for the purpose of taking such other and further action with reference thereto as shall then be deemed necessary and expedient. Such advertisements shall be published in form as provided in Section 48-01.2 of the North Dakota Century Code as amended.

Dated: April 18, 2022

APPROVED:

President of Board of City Commissioners

ATTEST:

City Auditor

The motion for the adoption of the foregoing resolution was duly seconded by Commissioner _____. On roll call vote the following commissioners voted aye: _____. The following commissioners voted nay: _____. The following commissioners were absent and not voting: _____. The majority having voted aye, the motion carried and the resolution was duly adopted.



"Consent" or "Regular"
Agenda Item?

[Consent]

Commission President

Bernie Dardis

Primary Portfolio:

Administration/Finance

Secondary Portfolio:

Street, Water and
Sewer

Commission

Vice President

Brad Olson

Primary Portfolio:

Street, Water and
Sewer

Secondary Portfolio:

Sanitation

Commissioner

Eric Gjerdevig

Primary Portfolio:

Planning, Zoning and
Engineering

Secondary Portfolio:

Administration/Finance

Commissioner

Mark Simmons

Primary Portfolio:

Police and Fire

Secondary Portfolio:

Planning, Zoning and
Engineering

Commissioner

Mandy George

Primary Portfolio:

Sanitation

Secondary Portfolio:

Police and Fire

City Administrator

Tina Fisk

To: West Fargo City Commission

From: Dustin T. Scott, City Engineer

Date: April 18, 2022

Subject: Improvement District 2264 – Traffic Signal at Veterans Blvd and 37th Ave

Action: Approve MOU with the City of Fargo

New Information and Recommendation:

Staff from both Fargo and West Fargo coordinated a draft Memorandum of Understanding (MOU) for the traffic signal project at Veterans Boulevard and 37th Avenue. It is based on prior MOU's for joint projects along Veterans Boulevard and was reviewed by our City Attorney, John Shockley, who forwarded on his recommendation for approval.

The following documents are attached for review/consideration:

- MOU for traffic signal maintenance with City of Fargo

Staff Recommendation: Approve MOU with the City of Fargo

Background and Project Summary:

This project is supported by a recent traffic study that identified increased traffic volumes and safety concerns with Sheyenne HS. In February 2021, the city received a letter from WFPS requesting this intersection be signalized to improve safety in/out of the high school. This is a joint project with the City of Fargo, who is taking the lead with design and construction. For more on background and summary, refer to the agenda packets from prior city commission meetings listed below.

Policy Analysis:

This project will improve the overall safety of the intersection. It will be designed and administered by the City of Fargo, following local, state and federal regulations. Once complete, the City of West Fargo will take over operation and maintenance per prior agreements.

Financial Analysis:

Total project costs are estimated to be \$776,000 and will be a 50/50 cost-share between Fargo and West Fargo. West Fargo's share of nearly \$400,000 is proposed to be a 50/50 split with West Fargo Public Schools. Based on this proposal and current estimates, the City would fund roughly \$200,000 with Capital Improvement Sales Tax and WFPS would pay roughly \$200,000 through special assessments.

Previously Presented Information and Commission Actions:

March 21, 2022-

Requested creation of special assessment district encompassing school district land and request approval of plans, specifications and bid advertisement created by City of Fargo.

- **Staff Recommendation:** Create Improvement District No. 2264; Approve the Engineer's Report and Plans/Specs; AND Authorize Bid Advertisement.
- **City Commission Action:** Commissioner Gjerdevig moved and Commissioner Olson seconded to approve. No opposition, motion carried.

December 6, 2021-

Request City of Fargo to design and construct traffic signal at Veterans Boulevard and 37th Ave

- **Staff Recommendation:** Authorize request to City of Fargo for construction of traffic signal.
- **City Commission Action:** Commissioner George moved and Commissioner Gjerdevig seconded to authorize request to City of Fargo. No opposition, motion carried.

MEMORANDUM OF UNDERSTANDING

THIS AGREEMENT, made and entered into this _____ day of _____, 2022 (the "Effective Date"), by and between the city of Fargo, North Dakota, a municipal corporation (hereinafter referred to as "Fargo"), and the city of West Fargo, North Dakota, a municipal corporation (hereinafter referred to as "West Fargo").

WITNESSETH:

WHEREAS, Veterans Boulevard between Interstate 94 and 40th Avenue South has become a main thoroughfare that borders the boundary lines of both cities; and

WHEREAS, both Fargo and West Fargo have an interest in the construction of a new traffic signal on Veterans Boulevard at 37th Avenue South; and

WHEREAS, Fargo and West Fargo agree that coordination of the two entities' construction efforts will foster efficiency and may result in cost savings for both cities; and

WHEREAS, the parties have agreed on a cost-sharing basis for this project and wish to commit their agreement in writing.

NOW, THEREFORE, it is hereby agreed upon between the parties as follows:

1. Purpose. This Agreement is made pursuant to N.D.C.C. § 54-40-1(1), which authorizes the joint and cooperative exercise of power common to the contracting parties. The intent of this Agreement is to increase efficiencies with respect to the bidding, contracting and construction oversight of the Project, and to prevent delays with respect to the scheduling of work for the Project. This Agreement does not create a separate political subdivision.
2. Term. The term of this Agreement is for ten (10) years beginning on the Effective Date of this Agreement and ending June 1, 2032 (hereinafter the "Original Term"). Thereafter, this Agreement shall automatically renew for a single ten (10) year term unless either party gives written notice to the other ninety (90) days prior to the end of the Original Term. The parties by mutual agreement may terminate this Agreement at any time or extend this Agreement for additional terms.
3. The Project. The parties agree that the construction of a new traffic signal will be on Veterans Boulevard at 37th Avenue S. The "Project" shall be a joint project of Fargo and West Fargo.
4. Lead on the Project. Fargo will take the lead on the Project and complete all design, bidding, construction management, and Project closeout.

5. Cost Share. Fargo and West Fargo will each be responsible for 50% of the costs of engineering, administration, construction, and legal/miscellaneous expenses for the Project. Fargo will invoice West Fargo 50% for construction contract, and 50% of the engineering, administration, legal and miscellaneous expenses (a fixed 21% based on construction low bid price). The estimated construction cost of the proposed new traffic signal is \$660,000, with 10% contingency included.
6. Special Assessments and Bonding. Each city shall be responsible for their own costs incurred in creating a special assessment district and bonding related to the Project.
7. Maintenance. Upon completion of the Project, it is agreed that West Fargo will be responsible for day to day maintenance of the traffic signal. Any ongoing capital expenditures related to the traffic signals will be split equally between the parties.
8. Workers Compensation. Each party shall be responsible for injuries or death of its own personnel.
9. Damage to Equipment. Each party shall be responsible for damages to or loss of its own equipment.
10. Liability. For the purposes of N.D.C.C. § 32-12.1-03, the employees and officers of a party are deemed to be employees of that party. Under no circumstances shall a party, irrespective of whether it may have waived the limit on liability set forth in N.D.C.C. § 32-12.1-03, be required to pay on behalf of itself or the other party, any amounts in excess of the limits on liability established in N.D.C.C. § 32-12.1-03 applicable to any one party. The limits of liability for some or all of the parties may not be added together to determine the maximum amount of liability for each party.
11. Merger Clause. This Agreement constitutes the entire agreement by and between the parties, and any other prior representations or agreements are deemed merged herein, and those not specified herein do not represent any agreements or promises or covenants or representations on the part of either party hereto.
12. Modification. The agreement may not be modified unless such modification is in writing and signed by both parties to the Agreement. Each of the parties agrees to execute an addendum to this Agreement, if necessary, to further expand on the responsibilities, duties, or other conditions that may arise as the project develops.
13. Waiver of Jury Trial/Venue/Selection. FARGO AND WEST FARGO HEREBY KNOWINGLY, IRREVOCABLY, VOLUNTARILY AND INTENTIONALLY WAIVE ANY RIGHTS EITHER MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY ACTION, PROCEEDING, COUNTERCLAIM OR DEFENSE BASED ON THIS CONTRACT, OR IN ARISING OUT OF, UNDER OR IN ANY CONNECTION WITH THIS CONTRACT, OR ANY COURSE OF CONDUCT, COURSE OF DEALING, STATEMENTS (WHETHER ORAL OR WRITTEN) OR ACTIONS OF ANY PARTY HERETO RELATING TO THIS CONTRACT. THIS

PROVISION IS A MATERIAL INDUCEMENT FOR FARGO AND WEST FARGO ENTERING INTO THIS CONTRACT. THE PARTIES STIPULATE AND AGREE THAT THE DISTRICT COURT OF CASS COUNTY, NORTH DAKOTA, SHALL BE THE SOLE AND EXCLUSIVE VENUE FOR ANY LAWSUIT PERTAINING TO THIS CONTRACT AND CONSENT TO THE PERSONAL JURISDICTION IN SAID COURT IN THE EVENT OF ANY SUCH LAWSUIT.

14. Force Majeure. Neither party shall be liable to the other party during any period in which its performance is delayed or prevented, in whole or in part, by circumstance beyond its reasonable control. Circumstances include, but are not limited to, the following: act of God (e.g., flood, earthquake, wind), fire, war, act of a public enemy or terrorist, act of sabotage, strike or other labor dispute, riot, misadventure of the sea, inability to secure materials and/or transportation, or a restriction imposed by legislation, an order or a rule or regulation of a governmental entity. If such a circumstance occurs, the Party claiming the delay shall undertake reasonable action to notify the other Party of the same.
15. Agreement Binding on Successors. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective personal representatives, successors and assigns.
16. North Dakota Law Applies. This Agreement shall be controlled by the laws of the State of North Dakota, and any action brought as a result of any claim, demand or cause of action arising under the terms of this Agreement shall be brought in an appropriate venue in the State of North Dakota.
17. Execution in Counterparts. This Agreement may be executed in counterparts with both Fargo and West Fargo having a fully-executed counterpart.

CITY OF FARGO, NORTH DAKOTA

BY: _____

Date: _____

Dr. Timothy J. Mahoney M.D., Mayor

ATTEST: _____

Steven Sprague, City Auditor

CITY OF WEST FARGO, NORTH DAKOTA

BY: _____

Date: _____

Bernie Dardis, President of the Board of City Commissioners

ATTEST: _____

Tina Fisk, City Administrator



"Consent" or "Regular"
Agenda Item?
[Consent]

To: West Fargo City Commission

From: Kayla Volness, Engineering Office Manager

Date: April 18, 2022

Subject: Right-of-Way Permitting

Action: Approve draft letter and Authorize Engineering to lift Right-of-Way season shutdown.

Commission President

Bernie Dardis

Primary Portfolio:

Administration/Finance

Secondary Portfolio:

Street, Water and
Sewer

**Commission
Vice President**

Brad Olson

Primary Portfolio:

Street, Water and
Sewer

Secondary Portfolio:

Sanitation

Commissioner

Eric Gjerdevig

Primary Portfolio:

Planning, Zoning and
Engineering

Secondary Portfolio:

Administration/Finance

Commissioner

Mark Simmons

Primary Portfolio:

Police and Fire

Secondary Portfolio:

Planning, Zoning and
Engineering

Commissioner

Mandy George

Primary Portfolio:

Sanitation

Secondary Portfolio:

Police and Fire

City Administrator

Tina Fisk

New Information and Recommendation:

During the December 6, 2021 Commission meeting authorization was given to Engineering to initiate a season shutdown to take effect on December 14, 2021.

Beginning May 2, 2022, frost depths should no longer compromise the integrity of City infrastructure. Therefore, Engineering requests Commission approval to lift the season shutdown that is currently in place. This would release the following permits for excavation and drilling in the City owned Right-of-Way.

1. Excavation Permit
2. Driveway/Sidewalk Permit
3. Residential Civil Site Permit
4. Commercial Civil Site Permit

The following documents are attached for review/consideration:

- Draft letter for contractors

Staff Recommendation: Approve draft letter and Authorize Engineering to lift Right-of-Way season shutdown.

Previously Presented Information and Commission Actions:

April 4, 2022- City Commission approved a draft contractor letter with attached location list to be sent out to permittees with opened/unfinished 2021 permits.

- **Staff Recommendation:** Approve draft contractor letter
- **Commission Action:** Commissioner Simmons made a motion to approve and Commissioner Olson seconded. Commissioner Gjerdevig was absent. No opposition, motion carried.

December 6, 2021- City Commission approved Engineering to Authorize a season shut down to go into effect for all non-emergency Right-of-Way work.

- **Staff Recommendation:** Authorize staff to initiate a season shutdown for all non-emergency work and direct staff to prepare a notice for contractors.
- **Commission Action:** Commissioner Gjerdevig made a motion to approve and Commissioner Simmons seconded. No opposition, motion carried.

April 18, 2022

To: Utility Contractor/Company

From: West Fargo Engineering Department

Subject: Season Shutdown to lift Monday, May 2, 2022

The City will soon be lifting the Season Shutdown starting on Monday, May 2, 2022. Once lifted the City will be releasing the following permits for excavation & drilling in the Right-of-Way.

- Excavation Permit
- Driveway/Sidewalk Permit
- Residential Civil Site Permit
- Commercial Civil Site Permit

This will be contingent on the completion of all unfinished restoration from the previous year including; sidewalk panels, concrete street panels, asphalt patches, any open holes, or un-restored ground. Black dirt fill is to be compacted to 90%, graded for adequate drainage and seeded for proper turf establishment. We expect asphalt patches to be complete as soon as production plants re-open. Engineering will not approve or release any 2022 permits if these requirements are not completed. If restorations for any carry over (2021) permits are not completed in a timely matter, additional fines may be incurred. The permit holder is responsible for all restoration to job sites. All 2021 permits awaiting restoration will start to accrue a daily fee starting May 2, 2022, and continue until completed.

Excavators are required to apply for a permit and it be approved before working in the right of way when it is not associated with a city project or an emergency. The Right-of-Way generally falls 2ft behind sidewalk toward the house, but this is not always the case. Excavating without a permit will result in fines from the City of West Fargo and/or loss of permit/licensing eligibility. All surfaces disturbed by excavation shall be restored to the condition as it was prior to excavation. Restoration shall be made within 72 hours of the completion of backfilling to complete work. Replacement of streets and/or sidewalks are to follow City of West Fargo standards. In addition, once any street and/or sidewalk work is completed it must re-open to traffic. If a longer closure is required and/or needed please contact City of West Fargo Engineering for approval.

North Dakota One Call would like us to remind everyone of online ticketing at [North Dakota One Call - Excavators - Safe Digging \(ndonecall.com\)](http://ndonecall.com)

If you have not done so already please sign up for any pertinent information relating to Right-of-Way permitting here: [Notify Me • West Fargo, ND • CivicEngage \(westfargond.gov\)](#)

Contact one of the following for all start and completion dates associated to all approved permits. To schedule any project walkouts please contact Benji Schwartz:

- Benji Schwartz – 701-261-1770; Benji.Schwartz@westfargond.gov
- Kayla Volness – 701-515-5102; Kayla.Volness@westfargond.gov

If you have any questions regarding the information listed above please contact our Engineering Department at 701-515-5102.

Thank you

Kayla Volness
Engineering Office Manager



Year To Date As of March 31, 2022

Prepared by: Jim Larson

Budgeted Funds		Revenue/Transfers			Expenditure/Transfers			Net			Cash
Fund	Description	Actual	Annual Budget	Variance	Actual	Annual Budget	Variance	Actual	Annual Budget	Variance	
1000	General Fund	\$ 10,944,070	\$ 23,010,281	\$ (12,066,211)	\$ 5,414,446	\$ 23,426,917	\$ 18,012,471	\$ 5,529,624	\$ (416,636)	\$ 5,946,260	\$ 30,366,490
2030	Share of Specials	197,949	214,670	(16,721)	216,815	214,670	(2,145)	(18,867)	-	(18,867)	(50,962)
2060	Fire Dept	3,155,006	3,828,153	(673,147)	1,145,727	3,960,625	2,814,898	2,009,280	(132,472)	2,141,752	1,312,826
7000	Library	1,496,785	1,681,478	(184,693)	344,216	1,725,276	1,381,060	1,152,569	(43,798)	1,196,367	1,368,381
7050	Airport	153,039	175,895	(22,856)	28,419	176,150	147,731	124,620	(255)	124,875	762,045
Total Government		\$ 15,946,848	\$ 28,910,477	\$ (12,963,629)	\$ 7,149,623	\$ 29,503,638	\$ 22,354,015	\$ 8,797,225	\$ (593,161)	\$ 9,390,386	\$ 33,758,780
2000	Sales Tax	\$ 3,637,722	\$ 13,328,000	\$ (9,690,278)	\$ 3,637,722	\$ 13,441,000	\$ 9,803,278	\$ -	\$ (113,000)	\$ 113,000	\$ 182,974
2970	Capital Improvements	2,762,595	10,094,888	(7,332,293)	132,179	10,194,888	10,062,709	2,630,417	(100,000)	2,730,417	29,531,584
2971	Prairie Dog Funds	-	-	-	-	-	-	-	-	-	1,500,000
2960	Economic Development	909,430	3,350,000	(2,440,570)	28,783	3,300,000	3,271,217	880,648	50,000	830,648	8,244,587
2130	Municipal Highway	450,259	1,547,000	(1,096,741)	-	1,447,000	1,447,000	450,259	100,000	350,259	290,856
2110	Gaming	300	12,000	(11,700)	-	12,000	12,000	300	-	300	91,550
2XXX	Tourism & Events	2,500	-	2,500	-	10,000	10,000	2,500	(10,000)	12,500	2,162
2200	Vector Control	51,657	132,000	(80,343)	16,125	132,000	115,875	35,532	-	35,532	142,465
2210	Forestry	103,265	300,500	(197,235)	37,659	295,074	257,415	65,606	5,426	60,180	(190,864)
2230	City Utility	14,605	126,000	(111,395)	12,961	126,000	113,039	1,644	-	1,644	251,820
25XX	Police Special Funds	22,611	5,200	17,411	9,879	5,200	(4,679)	12,732	-	12,732	333,203
2950	Assets Forfeitures	5,693	30,000	(24,307)	-	30,000	30,000	5,693	-	5,693	17,699
2980	South Facility Hookup	-	50,000	(50,000)	-	-	-	-	50,000	(50,000)	3,374,691
Total Special Funds		\$ 7,960,638	\$ 28,975,588	\$ (21,014,950)	\$ 3,875,307	\$ 28,993,162	\$ 25,117,855	\$ 4,085,330	\$ (17,574)	\$ 4,102,904	\$ 43,772,726
3000	Total Debt Service	\$ 22,835,579	\$ 24,536,002	\$ (1,700,423)	\$ -	\$ 27,172,790	\$ 27,172,790	\$ 22,835,579	\$ (2,636,788)	\$ 25,472,367	\$ 79,537,265
6010	Sanitation	\$ 1,215,589	\$ 4,846,500	\$ (3,630,910.74)	\$ 941,843	\$ 5,319,149	\$ 4,377,306	\$ 273,746	\$ (472,649)	\$ 746,395	\$ 3,328,703
6020	Water	1,734,317	8,710,000	(6,975,683)	1,242,808	7,786,254	6,543,446	491,509	923,746	(432,237)	8,051,057
6025	Sewer	1,066,941	5,109,011	(4,042,070)	840,122	5,355,685	4,515,563	226,819	(246,674)	473,493	1,659,653
6050	Sewage Surcharge	-	-	-	-	-	-	-	-	-	338,597
Total Enterprise		4,016,847	18,665,511	(14,648,664)	3,024,773	18,461,088	15,436,315	992,074	204,423	787,651	\$ 13,378,010
5000	Tree Fund	3,866	112,000	(108,134)	300	112,000	111,700	3,566	-	3,566	527,733
2050	Park Funds/State Aid	\$ 203,289	\$ 784,000	(580,711)	149,300	784,000	634,700	53,989	-	53,989	53,989
8600	Park District Special Assessment	\$ 368,180	\$ 406,669	(38,489)	-	406,669	406,669	368,180	-	368,180	375,725
2141	FM CVB	72,992	182,700	(109,708)	72,992	182,700	109,708	-	-	-	4
Total Agency		\$ 648,327	\$ 1,485,369	\$ (837,042)	\$ 222,592	\$ 1,485,369	\$ 1,262,778	\$ 425,735	\$ -	\$ 425,735	\$ 957,451
Total All Budgeted Funds		\$ 51,408,238	\$ 102,572,947	\$ (51,164,709)	\$ 14,272,295	\$ 105,616,047	\$ 91,343,752	\$ 37,135,943	\$ (3,043,100)	\$ 40,179,043	\$ 171,404,232



Year To Date As of March 31, 2022

Prepared by: Jim Larson

Non-Budgeted Funds	Revenue/Transfers			Expenditure/Transfers			Net			Cash Balances
	Actual	Annual Budget	Variance	Actual	Annual Budget	Variance	Actual	Annual Budget	Variance	
4000 Construction	\$ 907,793	\$ -	\$ 907,793	\$ 681,201	\$ -	\$ (681,201)	\$ 226,592	\$ -	\$ 226,592	\$ (39,130,264)
2170 Clerk of Court Bond Fund	-	-	-	-	-	-	-	-	-	42,872
2600 Future Building	-	-	-	-	-	-	-	-	-	(32,028)
2XXX Misc. Special Funds	72,245	10,000	62,245	102,959	1,897,820	1,794,861	(30,713)	(1,887,820)	1,857,107	7,900,679
7XXX Agency Funds	-	-	-	300	-	(300)	(300)	-	(300)	393,981
Total Non-Budgeted Funds	\$ 980,038	\$ 10,000	\$ 970,038	\$ 784,460	\$ 1,897,820	\$ 1,113,360	\$ 195,578	\$ (1,887,820)	\$ 2,083,398	\$ (30,824,759)
All Funds Combined	\$ 52,388,276	\$ 102,582,947	\$ (50,194,671)	\$ 15,056,755	\$ 107,513,867	\$ 92,457,112	\$ 37,331,521	\$ (4,930,920)	\$ 42,262,441	\$ 140,579,473

Notes to the Financials

1	At the end of 1st quarter 2022 we remain positive compared to budget and prior year.
2	Compensation is 2% positive to budget or approximately \$300,000 city wide.

April 08, 2022

RE: Purchase of Service Agreement, Centre, Inc. 2023-2024

Enclosed is a proposed Purchase of Service Agreement for Centre to continue to provide minimum security residential & Home Detention with GPS monitoring services for the City of West Fargo. If acceptable, please obtain signatures, and return a copy to Centre Inc. at P.O. Box 1269, Fargo, ND 58107-1269.

If you have any questions regarding this contract or would like modifications, please contact me at (701) 365-4162 or joshhe@centreinc.org. We look forward to continuing our working relationship with the City of West Fargo, West Fargo Municipal Court, and the West Fargo Police Department.

Sincerely,

Josh Helmer
Executive Director

Centre

PURCHASE OF SERVICE AGREEMENT

WHEREAS, the City of West Fargo has determined that the services referred to in the paragraph below entitled "Scope of Service" should be purchased; and

WHEREAS, Centre, Inc., a Private non-profit Agency (Provider), proposes to provide these services;

NOW, THEREFORE, the City of West Fargo and Centre, Inc., enter into the following agreement:

I. **TERM OF AGREEMENT:**

The term of this agreement shall be from the 1st day of January 2023 through the 31st day of December 2024.

II. **SCOPE OF SERVICE:**

- A. The Provider will accept West Fargo Municipal Court inmates for minimum-security placement at the facility located at either 123 15th Street North in Fargo for Males and 3501 Westrac Drive, Fargo, for Females. Provider will provide residential services which may include work-release, case management/counseling services, employment skills, ASAM level 3.5 chemical dependency treatment, ASAM level 2.1 chemical dependency treatment, chemical dependency aftercare/ASAM level 1, Thinking for a Change, Seeking Safety Group, drug and alcohol testing, and transitional skills.
- B. Additionally, the Provider will accept referrals from the court or the Sheriff Department who may be supervised on Home Detention with Global Positioning Satellite monitoring. Drug and alcohol testing is conducted on Home Detention inmates.

III. **COMPENSATION:**

A. Compensation for the minimum-security services outlined under terms of this agreement shall be:

2023: \$85.00 per day for each placement. Inmates will pay **\$27.00** per working day towards this cost.

2024: \$88.00 per day for each placement. Inmates will pay **\$27.00** per working day towards this cost.

This amount is deducted from the monthly billing for each placement.

B. Compensation for the **Offender Paid** Home Detention Services Program with Global Positioning Satellite (GPS) monitoring shall be:

2023: \$20.00 per day and includes field surveillance.

2024: \$22.00 per day and includes field surveillance.

The inmate shall pay a one-time fee of \$35.00 for installation and disconnection of the electronic surveillance equipment

E. When the Provider has grant funds under which City of West Fargo referrals may be enrolled, no costs for services will be billed to the city.

IV. **PROVIDER'S UNDERSTANDING OF TERM OF FUNDING:**

The Provider understands that this agreement is a one-time agreement and acknowledges that it has been furnished no assurances that his agreement may be extended for periods beyond its termination date.

V. **PROVIDER ASSURANCES:**

The Provider agrees to comply with the applicable assurances set forth on Addendum A attached hereto.

VI. **INDEMNITY**

Provider agrees to indemnify, save and hold harmless the City of West Fargo, its agencies, officers, and employees from claims of any and all nature, including all costs, expense, and attorney's fees, which may in any manner, arise out of or result from this agreement, except claims resulting from or arising out of the Cities sole negligence. Provider also agrees to indemnify, save and hold the City harmless for all costs, expenses, and attorneys' fees incurred in establishing and litigating the indemnification coverage provided herein.

VII. **INSURANCE**

Provider shall secure and keep in force during the term of this agreement, from an insurance company authorized to do business in North Dakota, commercial general liability insurance covering any and all claims of any nature arising out of this agreement. Centre shall furnish annually to the undersigned City representative a certificate of insurance as evidence the policy is in effect. The minimum limits of liability required are \$250,000 per person and \$1,000,000 per occurrence. The policy may not be canceled or modified without thirty (30) days prior written notice to the undersigned representative of the City. The City of West Fargo shall be endorsed on such policy as an additional insured.

CITY OF WEST FARGO

CENTRE, Inc., Provider

By: _____
Date

Title:

By: _____
Josh Helmer
Executive Director
Date

APPENDIX A

PROVIDER ASSURANCES

- A. All licensing or other standards required by Federal and State Law and regulations by an ordinance of the city and county in which the services purchased hereunder are provided will be complied with in full for the duration of this contract.
- B. No qualified person(s) shall be denied services purchased hereunder, or be subjected to discrimination, because of race, religion, color, national origin, sex, age or handicap.
- C. The Provider will abide by the provisions of Title VII of the Civil Rights Act of 1964 (42 USC 2000C) which prohibits discrimination against any employee or applicant for employment because of race, religion, color, national origin, sex, age, or handicap. In addition, the Provider agrees to abide by Executive Order 11246, as amended by Executive Order No. 11375, which prohibits discrimination because of sex.
- D. The Provider will comply with Section 504 of the Rehabilitation Act of 1973, as amended, and all requirements imposed by the pursuant to regulations promulgated there under to the end that no otherwise qualified handicapped individual shall, solely by reason of their handicap be excluded from participation in, be denied benefits of or be subjected to discrimination under any program in the provision of services under this agreement.
- E. The Provider will not, except upon the written consent of the affected individual or their responsible parent, guardian, or custodian, use or cause to be used, any information concerning such individual for any purpose not directly connected with the board of the Provider's responsibilities with respect to services purchased hereunder.
- F. Unless otherwise authorized by federal law, the charges to be made by the Provider do not include costs financed by federal monies other than those generated by this agreement.
- G. The Provider shall not assign this agreement.
- H. Provider assures that the sources from which it purchases goods and services used for the provision of the services described in the agreement will conform to applicable provisions of Executive Order 11345, Equal Opportunity.

2022 MOSQUITO CONTROL AGREEMENT
CITY OF WEST FARGO AND CASS COUNTY GOVERNMENT

This is an agreement to formalize the partnership for mosquito control between the City of West Fargo and Cass County Government during the 2022 mosquito control season. The agreement is made between the City of West Fargo, whose office is located at 800 4 Ave East, West Fargo, ND 58078, hereinafter CITY, and Cass County Government, whose office is 211 Ninth Street South, Fargo, ND 58108, hereinafter COUNTY.

THE PARTIES STIPULATE AND AGREE AS FOLLOWS:

1. COUNTY agrees to provide mosquito control activities throughout the Vector Control District commensurate with the funding available. For the 2022 season, approximately \$835,000 in Vector Control Mill funds has been designated for the Countywide Vector Program. County funds will be used within the City of West Fargo and in surrounding areas with the objective being to distribute products and services commensurate with the source of revenue.
2. In addition to service provided in paragraph 1, COUNTY will provide services within the City of West Fargo and adjacent area for various mosquito control activities such as but not limited to: making applications of pesticides using off-highway vehicles, spraying mosquitoes in West Fargo parks and schools, inspection of public and private property, collection of mosquito traps for population monitoring. The County Vector Director will provide technical direction and coordination of these activities. The Vector Director will also work in cooperation with CITY officials to provide other technical assistance as necessary.
3. CITY agrees to provide funding to support the activities referred to in paragraph 2. Total estimated cost for these activities is \$82,500. Estimated start date and end dates for activities is April 15th to October 1st respectively.
4. COUNTY will provide services within the predetermined "Extra-territorial" area for various mosquito control activities such as but not limited to: making applications of pesticides using off-highway vehicles, inspection of public and private property, and collection of mosquito traps for population monitoring.
5. CITY agrees to fund fifty percent (50%) of the activities described in paragraph 4. COUNTY agrees to fund fifty percent (50%) of the activities described in paragraph 4. Anticipated total cost of services defined in paragraph 4 are estimated to not exceed \$15,000.
6. COUNTY will provide monthly statements to CITY of time and materials, and invoice CITY monthly.
7. CITY agrees to fund the cost of City-wide adult mosquito spraying at \$1,000 per application. Estimate between 5 and 10 applications per season dependent upon conditions. Adult mosquito spraying will be invoiced monthly.
8. If COUNTY costs significantly exceed any line items, COUNTY may request an additional funding to maintain activities in LINE 2. If at any time the amount charged to CITY exceeds funds available; the CITY can request a stoppage in service.
9. If at any time total charges to CITY exceeds \$97,500; the CITY can request a stoppage in service.

10. To request a stoppage in service, CITY must provide COUNTY written notice 14 days in advance of requested termination to Cass County Vector Control at the following address:
- a. 1201 Main Ave West
West Fargo, ND 58078
11. CITY agrees to fund contract costs for aerial spraying when CITY requests the services of an aerial applicator. COUNTY will coordinate the aerial spray operation upon the CITY's approval. Additional funds for an aerial application are available for use in COUNTY at the discretion and authorization of COUNTY.
12. COUNTY will fund all contract costs for aerial spraying in unincorporated areas and all other areas within the district when determined necessary.
13. COUNTY agrees to assume all liability and agrees to indemnify and defend the CITY from all direct and indirect, present and future claims or causes of action, which in any way result from the activities of the COUNTY in completion of the tasks stated herein or may result from the decisions, recommendations, actions, omissions of actions or other errors on the part of COUNTY, its employees or contractors and any party from which COUNTY may obtain information or services for the completion of the same. This assumption of liability and agreement to hold harmless is intended to cover any present or future activities undertaken by COUNTY in furtherance of this agreement.
14. CITY agrees to assume all liability and agrees to indemnify and defend the COUNTY from all direct and indirect, present and future claims or causes of action, which in any way result from the activities of the CITY in completion of the tasks stated herein or may result from the decisions, recommendations, actions, omissions of actions or other errors on the part of CITY, its employees or contractors and any part from which CITY may obtain information or services for the completion of the same. This assumption of liability and agreement to hold harmless is intended to cover any present or future activities undertaken by CITY in furtherance of this agreement.

Chair, Cass County Commission

Date

Mayor, City of West Fargo

Date

APR - 7 2022



GAMING SITE AUTHORIZATION
OFFICE OF ATTORNEY GENERAL
 SFN 17996 (02/2018)

G - _____ (_____)_____
 Site License Number
 (Attorney General Use Only)

Full, Legal Name of Gaming Organization **West Fargo Baseball, Inc.**

The above organization is hereby authorized to conduct games of chance under the license granted by the Attorney General of the State of North Dakota at the following location

Name of Location Boston's Pizza Restaurant and Sports Bar			
Street 1640 13th Ave E	City West Fargo	ZIP Code 58078	County Cass
Beginning Date(s) Authorized 7/1/22	Ending Date(s) Authorized 6/30/23	Number of twenty-one tables if zero, enter "0": 0	
Specific location where games of chance will be conducted <u>and</u> played at the site (required) Bar Room			
If conducting Raffle or Poker activity provide date(s) or month(s) of event(s) if known n/a			

RESTRICTIONS (City/County Use Only)

Days of week of gaming operations (if restricted) n/a	Hours of gaming (if restricted) 11AM - 12PM
--	--

ACTIVITY TO BE CONDUCTED Please check all applicable games to be conducted at site (required)

☒ Bingo	☐ Club Special	☐ Sports Pools
☐ ELECTRONIC Quick Shot Bingo	☐ Tip Board	☐ Twenty-One
☐ Raffles	☐ Seal Board	☐ Poker
☐ ELECTRONIC 50/50 Raffle	☐ Punchboard	☐ Calcuttas
☐ Pull Tab Jar	☐ Prize Board	☐ Paddlewheels with Tickets
☒ Pull Tab Dispensing Device	☐ Prize Board Dispensing Device	☐ Paddlewheel Table
☒ ELECTRONIC Pull Tab Device		

APPROVALS

Attorney General	Date
Signature of City/County Official	Date
PRINT Name and official position of person signing on behalf of city/county above	

INSTRUCTIONS:

1. City/County-Retain a **copy** of the Site Authorization for your files.
2. City/County-Return the **original** Site Authorization form to the Organization.
3. Organizations - Send the **original, signed**, Site Authorization to the Office of Attorney General with any other applicable licensing forms for final approval.

RETURN ALL DOCUMENTS TO:

Office of Attorney General
 Licensing Section
 600 E Boulevard Ave, Dept. 125
 Bismarck, ND 58505-0040
 Telephone: 701-328-2329 **OR** 800-326-9240

CK# 11913
 #100-02
 4-7-22



RENTAL AGREEMENT
OFFICE OF ATTORNEY GENERAL
LICENSING SECTION
SFN 9413 (Rev. 08-2019)

License Number (Office Use Only)

Site Owner (Lessor) South 49 Properties, Inc Boston's Restaurant And Sports Bar		Site Name Boston's		Site Phone Number (701) 532-2220	
Site Address 1640 13th Ave E.		City West Fargo	State ND	Zip Code 58078	County Cass
Organization (Lessee) West Fargo Baseball, Inc.		Rental Period 7/1/2022 to 7/1/2023		Monthly Rent Amount	
1 Is Bingo going to be conducted at this site? 1a If "Yes" to number 1 above, is Bingo the primary game conducted? If "Yes," enter the monthly rent amount to be paid. Then answer questions 2 - 7 but do not enter any rent amounts.			☐ No ☒ Yes ☒ No ☐ Yes		\$
2 Is Twenty-One conducted at this site? Number of Tables with wagers up to \$5 _____ X Rent per Table \$ _____ Number of Tables with wagers over \$5 _____ X Rent per Table \$ _____			☒ No ☐ Yes		\$
3 Is Paddletwheels conducted at this site? Number of Tables _____ X Rent per Table \$ _____			☒ No ☐ Yes		\$
4 Is Pull Tabs involving either a jar bar, standard, or electronic dispensing device conducted at this site? Please check: ☐ Jar Bar ☒ Standard Dispensing Device			☐ No ☒ Yes		\$ 100.00
☒ Electronic Dispensing Device Number of Electronic Devices 4					\$ 400.00
Total Monthly Rent					\$ 500.00
5. If the only gaming activity to be conducted at this site is a raffle drawing, please check here. ☐					
TERMS OF RENTAL AGREEMENT: This RENTAL AGREEMENT is between the Owner (LESSOR) and Organization (LESSEE) that will be leasing the site to conduct games of chance. The LESSOR agrees that no game will be directly operated as part of the lessor's business. The LESSOR agrees that the (lessor), (lessor's) spouse, (lessor's) common household members, (management), (management's) spouse, or an employee of the lessor who is in a position to approve or deny a lease may not conduct games at any of the organization's sites and, except for officers and board of directors members who did not approve the lease, may not play games at that site. However, a bar employee may redeem a winning pull tab, pay a prize board cash prize, and award a prize board merchandise prize involving a dispensing device and sell raffle tickets or sports pool chances on a board on behalf of an organization. The LESSOR agrees that the lessor's on call or temporary or permanent employee will not, directly or indirectly, conduct games at the site as an employee of the lessee on the same day the employee is working in the area of the bar where alcoholic beverages are dispensed or consumed. If the LESSEE provides the Lessor with a temporary loan of funds for redeeming pull tabs or prize boards, or both, involving a dispensing device, the Lessor agrees to repay the entire loan immediately when the lessee discontinues using the device at the site. The LESSOR agrees not to interfere with or attempt to influence the lessee's selection of games, determination of prizes, including a bingo jackpot prize, or disbursement of net proceeds. The LESSOR agrees not to loan money to, provide gaming equipment to, or count drop box cash for the lessee. The LESSOR agrees any advertising by the lessor that includes charitable gaming must include the charitable gaming organization's name. At the LESSOR'S option, the lessee agrees that this rental agreement may be automatically terminated if the lessee's gaming license is suspended at this site for more than fourteen days or revoked.					
Signature of Lessor 		Title President		Date 7/7/22	
Signature of Lessee 		Title West Fargo Baseball - Pres.		Date 4/7/22	

(over)

APR - 7 2022



GAMING SITE AUTHORIZATION
OFFICE OF ATTORNEY GENERAL
 SFN 17996 (02/2018)

G - _____ (_____)_____
 Site License Number
 (Attorney General Use Only)

Full, Legal Name of Gaming Organization **West Fargo Baseball, Inc.**

The above organization is hereby authorized to conduct games of chance under the license granted by the Attorney General of the State of North Dakota at the following location

Name of Location Barcode Bar & Grill			
Street 835 23rd Ave E	City West Fargo	ZIP Code 58078	County Cass
Beginning Date(s) Authorized 7/1/22	Ending Date(s) Authorized 6/30/25	Number of twenty-one tables if zero, enter "0": 1	
Specific location where games of chance will be conducted and played at the site (required) Bar Room			
If conducting Raffle or Poker activity provide date(s) or month(s) of event(s) if known			

RESTRICTIONS (City/County Use Only)

Days of week of gaming operations (if restricted) **n/a** Hours of gaming (if restricted) **11AM - 12PM**

ACTIVITY TO BE CONDUCTED Please check all applicable games to be conducted at site (required)

☒ Bingo	☐ Club Special	☐ Sports Pools
☐ ELECTRONIC Quick Shot Bingo	☐ Tip Board	☒ Twenty-One
☐ Raffles	☐ Seal Board	☐ Poker
☐ ELECTRONIC 50/50 Raffle	☐ Punchboard	☐ Calcuttas
☒ Pull Tab Jar	☐ Prize Board	☐ Paddlewheels with Tickets
☒ Pull Tab Dispensing Device	☐ Prize Board Dispensing Device	☐ Paddlewheel Table
☒ ELECTRONIC Pull Tab Device		

APPROVALS

Attorney General	Date
Signature of City/County Official	Date
PRINT Name and official position of person signing on behalf of city/county above	

INSTRUCTIONS:

1. City/County-Retain a **copy** of the Site Authorization for your files.
2. City/County-Return the **original** Site Authorization form to the Organization.
3. Organizations - Send the **original, signed**, Site Authorization to the Office of Attorney General with any other applicable licensing forms for final approval.

RETURN ALL DOCUMENTS TO:

Office of Attorney General
 Licensing Section
 600 E Boulevard Ave, Dept. 125
 Bismarck, ND 58505-0040
 Telephone: 701-328-2329 OR 800-326-9240

CK# 11913
 4-7-22 \$100.-



RENTAL AGREEMENT
OFFICE OF ATTORNEY GENERAL
LICENSING SECTION
SFN 9413 (Rev. 08-2019)

License Number (Office Use Only)

Site Owner (Lessor) <u>MO2, Inc.</u>		Site Name <u>Barcode Bar & Grill</u>		Site Phone Number <u>(701) 532-2900</u>
Site Address <u>835 23rd Ave E</u>		City <u>West Fargo</u>	State <u>ND</u>	Zip Code <u>58078</u>
Organization (Lessee) <u>West Fargo Baseball, Inc.</u>		Rental Period <u>7/1/2022</u> to <u>6/30/2023</u>		County <u>Cass</u>
1. Is Bingo going to be conducted at this site? 1a. If "Yes" to number 1 above, is Bingo the primary game conducted? If "Yes," enter the monthly rent amount to be paid. Then answer questions 2 - 7 but do not enter any rent amounts.				Monthly Rent Amount \$
2. Is Twenty-One conducted at this site? Number of Tables with wagers up to \$5 <u>1</u> X Rent per Table \$ <u>200.00</u> Number of Tables with wagers over \$5 <u>X</u> Rent per Table \$ <u> </u>				☐ No ☒ Yes \$ <u>200.00</u>
3. Is Paddlewheels conducted at this site? Number of Tables <u>X</u> Rent per Table \$ <u> </u>				☒ No ☐ Yes \$ <u> </u>
4. Is Pull Tabs involving either a jar bar, standard, or electronic dispensing device conducted at this site? Please check: ☒ Jar Bar ☒ Standard Dispensing Device ☒ Electronic Dispensing Device Number of Electronic Devices <u>9</u>				☐ No ☒ Yes \$ <u>325.00</u> \$ <u>700.00</u> \$ <u>1,225.00</u>
Total Monthly Rent				
5. If the only gaming activity to be conducted at this site is a raffle drawing, please check here. ☐				

TERMS OF RENTAL AGREEMENT:

This RENTAL AGREEMENT is between the Owner (LESSOR) and Organization (LESSEE) that will be leasing the site to conduct games of chance.

The LESSOR agrees that no game will be directly operated as part of the lessor's business.

The LESSOR agrees that the (lessor), (lessor's) spouse, (lessor's) common household members, (management), (management's) spouse, or an employee of the lessor who is in a position to approve or deny a lease may not conduct games at any of the organization's sites and, except for officers and board of directors members who did not approve the lease, may not play games at that site. However, a bar employee may redeem a winning pull tab, pay a prize board cash prize, and award a prize board merchandise prize involving a dispensing device and sell raffle tickets or sports pool chances on a board on behalf of an organization.

The LESSOR agrees that the lessor's on call or temporary or permanent employee will not, directly or indirectly, conduct games at the site as an employee of the lessee on the same day the employee is working in the area of the bar where alcoholic beverages are dispensed or consumed.

If the LESSEE provides the Lessor with a temporary loan of funds for redeeming pull tabs or prize boards, or both, involving a dispensing device, the Lessor agrees to repay the entire loan immediately when the lessee discontinues using the device at the site.

The LESSOR agrees not to interfere with or attempt to influence the lessee's selection of games, determination of prizes, including a bingo jackpot prize, or disbursement of net proceeds.

The LESSOR agrees not to loan money to, provide gaming equipment to, or count drop box cash for the lessee.

The LESSOR agrees any advertising by the lessor that includes charitable gaming must include the charitable gaming organization's name.

At the LESSOR'S option, the lessee agrees that this rental agreement may be automatically terminated if the lessee's gaming license is suspended at this site for more than fourteen days or revoked.

Signature of Lessor <u>[Signature]</u>	Title <u>Vice President</u>	Date <u>4-7-22</u>
Signature of Lessee <u>[Signature]</u>	Title <u>West Fargo Baseball - President</u>	Date <u>4-7-22</u>

(over)



GAMING SITE AUTHORIZATION
OFFICE OF ATTORNEY GENERAL
SFN 17996 (02/2018)

APR - 8 2022

G - _____ (_____)_____
Site License Number
(Attorney General Use Only)

Full, Legal Name of Gaming Organization

Arthur W. Jones Post 7564 VFW of the U.S. Inc

The above organization is hereby authorized to conduct games of chance under the license granted by the Attorney General of the State of North Dakota at the following location

Name of Location

Arthur W. Jones Post 7564 VFW

Street

444 Shyenne St. #1

City

West Fargo

ZIP Code

58078

County

Cass

Beginning Date(s) Authorized

7-1-22

Ending Date(s) Authorized

6-30-23

Number of twenty-one
tables if zero, enter "0":

2

Specific location where games of chance will be
conducted and played at the site (required)

Entire Bar Area (Excluding restrooms)

If conducting Raffle or Poker activity provide date(s) or month(s) of event(s) if known

RESTRICTIONS (City/County Use Only)

Days of week of gaming operations (if restricted)

Hours of gaming (if restricted)

ACTIVITY TO BE CONDUCTED Please check all applicable games to be conducted at site (required)

☒ Bingo

☐ ELECTRONIC Quick Shot Bingo

☒ Raffles

☐ ELECTRONIC 50/50 Raffle

☒ Pull Tab Jar

☐ Pull Tab Dispensing Device

☒ ELECTRONIC Pull Tab Device

☐ Club Special

☐ Tip Board

☒ Seal Board

☐ Punchboard

☒ Prize Board

☐ Prize Board Dispensing Device

☒ Sports Pools

☒ Twenty-One

☒ Poker

☐ Calcuttas

☒ Paddlewheels with Tickets

☐ Paddlewheel Table

APPROVALS

Attorney General

Date

Signature of City/County Official

Date

PRINT Name and official position of person signing on behalf of city/county above

INSTRUCTIONS:

1. City/County-Retain a **copy** of the Site Authorization for your files.
2. City/County-Return the **original** Site Authorization form to the Organization.
3. Organizations - Send the **original, signed**, Site Authorization to the Office of Attorney General with any other applicable licensing forms for final approval.

RETURN ALL DOCUMENTS TO:

Office of Attorney General
Licensing Section
600 E Boulevard Ave, Dept. 125
Bismarck, ND 58505-0040
Telephone: 701-328-2329 OR 800-326-9240

*ck # 13714
pd 4-8-22
\$100.00*



To: West Fargo City Commission
From: Daniel Fuller, Chief of the Department, West Fargo Fire
Date: April 18th, 2022
Subject: Approval of Order
Action: 1. Approve the order of a ladder truck for 2024 delivery

Commission President

Bernie Dardis

Primary Portfolio:
Administration/Finance

Secondary Portfolio:
Street, Water and Sewer

Commissioner

Brad Olson, Vice President

Primary Portfolio:
Street, Water and Sewer

Secondary Portfolio:
Police and Fire

Commissioner

Eric Gjerdevig

Primary Portfolio:
Planning, Zoning and Engineering

Secondary Portfolio:
Administration/Finance

Commissioner

Mark Simmons

Primary Portfolio:
Police and Fire

Secondary Portfolio:
Planning, Zoning and Engineering

Commissioner

Mandy George

Primary Portfolio:
Sanitation

Secondary Portfolio:
Police and Fire

City Administrator

Tina Fisk

Summary and Recommendation:

This request is for the order of a Pierce Velocity 100' Platform apparatus. This is a replacement project for a 2011 Sutphen 95' Tower Ladder. Replacing this apparatus now will result in the maximum return of revenue based on the age and condition of the 2011 apparatus. Benefits to be seen after the new apparatus is in service is a shorter, more maneuverable apparatus for streetscapes and higher density developments throughout West Fargo. This new apparatus will be on the same chassis as our current fleet of apparatus, achieving a complete standardization of the fleet. While this project will not be realized until the 2024 budget, ordering this month will take advantage of project increases in costs of materials and lock in a delivery date in mid to late 2024.

Policy Analysis:

This apparatus purchase will allow the department to continue to meet Insurance Service Office metrics regarding the placement of aerial apparatus within 2.5 miles of built-up areas of the city. This apparatus will service as the first due aerial for the Yards on Sheyenne business district, the commercial areas of 13th Ave E, the high rise, the hotels and convention center on 9th St E, West Fargo High School and Cheney Middle School. Having this apparatus is a critical piece of getting to and ISO Class 1 rating.

Financial Analysis:

The total cost for the new apparatus is **\$1,682,547.00** and the estimated revenue from selling the old apparatus is \$400,000, leaving a net cost of \$1,282,574. As with other apparatus orders, this proposal includes pricing from the Sourcewell Consortium.

Process/Timeline:

Process	Action
Order	April 2022
Payment and delivery	April 2024



Option List

12/28/2021

Customer: West Fargo Fire Department
Representative: Trettel, Dale
Organization: MacQueen Emergency Group
Requirements Manager:
Description: West Fargo 100' PAP
Body: Aerial, Platform 100', Alum Body
Chassis: Velocity Chassis, PAP (Big Block), 2010

Bid Number: 990
Job Number:
Number of Units: 1
Bid Date: 10/01/2020
Stock Number:
Price Level: 40 (Current: 40)
Lane:

Line	Option	Type	Option Description	Qty
1	0766656		Boiler Plates, Aerial 100' Platform	1
			Fire Department/Customer - West Fargo Fire Dept	
			Operating/In conjunction W-Service Center - In Conjunction	
			Miles - 25 Miles	
			Number of Fire Dept/Municipalities - 2	
			Bidder/Sales Organization - MacQueen Emergency	
			Delivery - Delivery representative	
			Dealership/Sales Organization, Service - MacQueen Emergency	
2	0018180		Single Source Compliance, Aerials	1
3	0584456		Manufacture Location, Appleton, Wisconsin	1
4	0584452		RFP Location: Appleton, Wisconsin	1
5	0588609		Vehicle Destination, US	1
6	0670275		Unit to be Similar in some Aspects, Excluding Pump Panel	1
			Fill in Blank - 36274	
7	0610784		Comply NFPA 1901 Changes Effective Jan 1, 2016, With Exceptions	1
8	0533351		Quint Fire Apparatus	1
9	0588612		Vehicle Certification, Aerial w/Pump	1
10	0681278		Agency, Apparatus Certification, Aerial w/Pump, U.L.	1
11	0000114		Inspection Trip(s)	2
			Qty, - 02	
			Fill in Blank - 4 (four)	
12	0536644		Customer Service Website	1
13	0766110		Consortium, Sourcewell	1
14	0537375		Unit of Measure, US Gallons	1
15	0529326		Bid Bond, 10%, Pierce Built Chassis	1
16	0540326		Performance Bond, Not Requested	1
17	0000007		Approval Drawing	1
18	0670758		Drawing, Compartment Layout, Aerial	1
19	0002928		Electrical Diagrams	1
20	0564213		Velocity Chassis, PAP (Big Block), 2010	1
21	0000110		Wheelbase	1
			Wheelbase - 257.50	
22	0000070		GVW Rating	1
			GVW rating - 80,800	
23	0000203		Frame Rails, 13.38 x 3.50 x .375, Qtm/AXT/Imp/Vel/DCF	1
24	0756525		Frame Liner, Internal "C" 12.50" x 3.00" x .25", XT/Vel/Imp,Enf Full Lgth, 56"Qv	1
25	0508846		Axle, Front, Oshkosh TAK-4, Non Drive, 24,000 lb, Velocity	1
26	0090914		Suspension, Front TAK-4, 24,000 lb, DLX/Qtm/AXT/Vel/Enf	1
27	0087572		Shock Absorbers, KONI, TAK-4, Qtm/AXT/Imp/Vel/DCF/Enf	1
28	0000322		Oil Seals, Front Axle	1
29	0679621		Tires, Front, Michelin, XZY3 (wb), 425/65R22.50, 20 ply, Fire Service Load Rtnng	1
30	0019611		Wheels, Front, Alcoa, 22.50" x 12.25", Aluminum, Hub Pilot	1
31	0582646		Axle, Rear, Meritor RT58-185, 60,000 lb, Velocity	1
32	0544244		Top Speed of Vehicle, 60 MPH	1
33	0515673		Suspen, Rear, Air Link, AL-600, Air Ride, 60,000 lb	1
34	0000485		Oil Seals, Rear Axle	1
35	0000483		Driver Controlled Differential Lock, Rear Axle, Tandem	1
36	0792675		Tires, Rear, Michelin, X WORKS Z, 315/80R22.50, LRL, Tandem	1
37	0019653		Wheels, Rear, Alcoa, 22.50" x 9.00", Aluminum, Hub Pilot, Tandem	1
38	0568081		Tire Balancing, Counteract Beads	1
39	0620569		Tire Pressure Monitoring, RealWheels, AirSecure, Valve Cap, Tandem Axle	1

		Qty, Tire Pressure Ind - 10	
40	0003245	Axle Hub Covers w/center hole, S/S, Front Axle	1
41	0013241	Axle Hub Covers, Rear, S/S High Hat (Tandem)	1
42	0057936	Covers, Lug Nut, Chrome	1
43	0691196	Extender, Valve Stem, 180 Degree, Tandem Axle, Two Pair	1
44	0002045	Mud Flap, Front and Rear, Pierce Logo	1
45	0601010	Chocks, Wheel, SAC-44-E, Folding, Aerials	1
		Qty, Pair - 01	
46	0601009	Mounting Brackets, Chocks, SAC-44-E, Folding, Horizontal, Aerials	1
		Qty, Pair - 01	
		Location, Wheel Chocks - Left Side Rear Tire, Forward	
47	0593759	ESC/ABS/ATC Wabco Brake System, Tandem Rear Axle, 2010	1
48	0030185	Brakes, Knorr/Bendix 17", Disc, Front, TAK-4	1
49	0000730	Brakes, Meritor, Cam, Rear, 16.50 x 7.00"	1
50	0020784	Air Compressor, Brake, Cummins/Wabco 18.7 CFM	1
51	0000794	Brake Reservoirs, Six	1
52	0568012	Air Dryer, Wabco System Saver 1200, Heater, 2010	1
53	0000790	Brake Lines, Nylon	1
54	0000854	Air Inlet, w/Disconnect Coupling	1
		Location, Air Coupling(s) - a) DS Step Well, Forward	
		Qty, Air Coupling (s) - 1	
55	0656908	All Wheel Lock-up, Single Prk Brk Control	1
56	0000820	Moisture Ejector, Automatic, w/Heat	2
		Qty, Auto. Moisture Eject - 2	
		Location, Moisture Ejector - Primary and Secondary	
57	0736395	Engine, Cummins X15, 605 hp, 1850 lb-ft, W/OBD, EPA 2021, Velocity	1
58	0730808	Filters, Remote Mounted, Oil, Fuel, X15, VEL/AXT/Enf	1
59	0001244	High Idle w/Electronic Engine, Custom	1
60	0687994	Engine Brake, Jacobs Compression Brake, Cummins Engine	1
		Switch, Engine Brake - e) ISC/ISM/ISL9/ISX Hi Med Lo	
61	0595068	Clutch, Fan, Air, Horton, w/ "Fan Clutch Disengaged" Switch- MUX ONLY	1
62	0123135	Air Intake, w/Ember separator, Imp/Vel	1
63	0794743	Exhaust System, 5", X12/X15, MX13, Engine, Horizontal, Right Side	1
64	0617085	Exhaust, Mod for Plymovent Magnetic Grabber Sys, 6.0", Big Block Engine, CARE	1
65	0787999	Radiator, Impel/Veloccity	1
66	0511425	Cooling Hoses, Rubber	1
67	0094107	Radiator Coolant, Protection to -40 Degrees	1
68	0763899	SP Fuel Tank, 75 Gallon, Left Side Fill, Qtm/AXT/Vel/Imp/DCF/SFR/Enf, Common Door	1
		Finish - Polished	
69	0001129	Lines, Fuel	1
70	0618791	DEF Tank, 4.5 Gallon, DS Fill, Forward of Axle, Common Air Bottle Door	1
71	0723716	Fuel Priming Pump, Electronic, Automatic, Cummins, No Swt Req'd	1
72	0582243	Shutoff Valves, Fuel Line @ Primary Filter, Cummins	1
73	0553019	Cooler, Engine Fuel, Imp/Vel, AXT/Qtm/Sab/DCF/SFR/Enf	1
74	0578959	Fuel/Water Separator, Racor Inline	1
75	0642582	Trans, Allison 5th Gen, 4000 EVS P, w/Prognostics, Imp/Vel/DCF/SFR/Enf	1
76	0625331	Transmission, Shifter, 6-Spd, Push Button, 4000 EVS	1
77	0684459	Transmission Oil Cooler, Modine, External	1
78	0682855	Engraving, Transmission Dipstick Cap, "Synthetic Trans Fluid Only"	1
79	0535530	Mode, Downshift, Aggressive downshift to 2nd, w/engine brake, 6 speed	1
80	0027844	Fluid, 4000 Series Trans, Allison Approved TES-295 Synthetic, IPOS, Custom	1
81	0001375	Driveline, Spicer 1810	1
82	0669988	Steering, Sheppard M110 w/Tilt, TAK-4, Eaton Pump, w/Cooler	1
83	0001544	Not Required, Steering Assist Cylinder on Front Axle	1
84	0509230	Steering Wheel, 4 Spoke without Controls	1
85	0690274	Logo/Emblem, on Dash	1
		Text, Row (1) One - WFFD	
		Text, Row (2) Two - Truck 76	
		Text, Row (3) Three - n/a	
86	0651081	Bumper, 26" Extended, Under Slung, Painted, Recessed Xlays/Trays, Imp/Vel	1
87	0510226	Lift & Tow Package, Imp/Vel, AXT, Dash CF	1
88	0002270	Tow Hooks, Chrome	1
89	0609427	SP Tray, 3/4 Width, 26" Bumper, Under Slung Design, 10" H Bumper, Imp/Vel	1
		Capacity, Hose Tray - 100' of 1.75" hose	

		Grating, Bumper extension - Grating, Rubber	
90	0613987	SP Cover, 3" Raised Alum Treadplate, 3/4 Width Cover, Butterflies, Q2B/Disch Clearance	1
91	0659662	Light, Amdor, AY-9220-72, 72" LED Strip Light, Front Bumper Cover	1
92	0042352	Partition, Fixed, Alum in Hose Tray, Qty, Location	1
		Location - 32.54" inboard from passenger side	
		Qty, - 1	
93	0591736	Rods, Sight on Bumper, Bores, Model 848-211, Directional and Marker Light Active	1
94	0698960	Coating, Top Flange, Front Bumper, Outside Exterior, Line-X Coating, Black	1
95	0668314	Cab, Velocity FR, 7010 Raised Roof w/Notch	1
96	0724207	Engine Tunnel, X12-15, MX13, Mech Fasteners, Velocity FR	1
97	0677478	Rear Wall, Exterior, Cab, Aluminum Treadplate	1
98	0122466	Cab Lift, Elec/Hyd, w/Manual Override, Imp/Vel	1
99	0123176	Grille, Bright Finished, Front of Cab, Impel/Veloc	1
100	0002224	Scuffplates, S/S At Cab Door Jambs, 4-Door Cab	1
		Material Trim/Scuffplate - c) S/S, Polished	
101	0527032	Trim, S/S Band, Across Cab Face, Rect Lights, Velocity	1
		Material Trim/Scuffplate - c) S/S, Polished	
		Turnsignal Covers - Polished S/S Covers	
102	0015440	No Chrome Molding, On side of cab	1
103	0521669	Mirrors, Retractable, West Coast Style, Htd/Rmt, w/Htd/Rmt Convex	1
104	0667921	Door, Half-Height, Velocity FR 4-Door Cab, Raised Roof	1
		Key Model, Cab Doors - 751	
		Cab, Exterior Door Handle, Finish - 4-Door, Chrome/Black	
105	0655511	Door Panel, Brushed Stainless Steel, Impel/Veloc	1
106	0667905	Storage Pockets w/ Elastic Cover, Recessed, Overhead, Impel/Veloc	1
107	0667902	Controls, Electric Windows, All Cab Doors, Impel/Veloc	1
108	0606691	Steps, 4-Door Cab, Dual, 2" Larger Middle and Bottom Steps, Imp/Vel	1
		Light, Step, Additional - Amdor, 4 Dr Cab	
109	0770194	Handrail, Exterior, Knurled, Alum, 4-Door Cab	1
110	0509649	Lights, Cab & Crew Cab Acs Stps, P25, LED w/Bezel, 1Lt Per Step	1
111	0002140	Fenders, S/S on Cab	1
112	0592071	No Windows, Side of Crew Cab, Vel/Imp	1
113	0568605	Not Required, Interior Trim, No Cab Side Windows	1
114	0012090	Not Required, Windows, Front/Side of raised roof	1
115	0509286	Not Required, Windows Rear of Crew Cab, Imp/Vel	1
116	0558334	Not Required, Trim, Cab Rear Windows, No Rear Windows	1
117	0764717	Compt, Storage, 10.71 W x 30 H x 14 D, (1) Ea Side C/C, Dbl Pan, Imp/Vel	1
		Light, Aux Cab Compartments - Pierce, Both Sides	
		Finish, Exterior Cab Compt - Spatter Gray	
		Door, Cab Exterior Cabinet - Double Pan, (2), Non-Locking	
		Door, Exterior Stop - 2-Stay Arm	
118	0123686	Drip Rail, Cab Roof, Impel/Veloc/Veloc	1
119	0798597	Holder, Cup, Cab/Crewcab, Each, Loc	2
		Location - driver and officer side of engine tunnel	
		Qty, - 02	
120	0663383	Mounting Provisions, 3/16" Alum, Full Engine Tunnel, Vel/Imp	1
		Mounting Provision Spacing - 1.00"	
		Material Finish, Cab Interior - Painted	
121	0748671	Cab Interior, Vinyl, Velocity FR, CARE	1
		Color, Cab Interior Vinyl/Fabric - Endure Vinyl - Silver/Gray	
122	0667943	Cab Interior, Paint Color, Impel/Veloc	1
		Color, Cab Interior Paint - i) fire smoke gray	
123	0509532	Floor, Rubber Padded Cab & Crew Cab, Imp/Vel, Dash CF	1
124	0741239	HVAC, Impel/Veloc	1
		Paint Color, A/C Condenser - Painted White #10	
		HVAC System, Filter Access - Removable Panel	
		Auxiliary Cab Heater - Both	
125	0639675	Sun Visor, Smoked Lexan, AXT, Imp/Vel, Saber FR/Enforcer	1
		Sun Visor Retention - Thumb Latch	
126	0548173	Grab Handles, Driver and Passenger Door Post, Imp/Vel	1
127	0583938	Lights, Engine Compt, Custom, Auto Sw, Wln 3SC0CDCR, 3" LED, Trim	1
		Qty, - 01	
128	0122516	Fluid Check Access, Imp/Vel	1

129	0583039	Not Required, Side Roll and Frontal Impact Protection	1
130	0622617	Seating Capacity, 6 Seats	1
131	0697007	Seat, Driver, Pierce PS6, Premium, Air Ride, High Back	1
132	0696995	Seat, Officer, Pierce PS6, Premium, Air Ride, SCBA	1
133	0656795	Radio Compartment, Behind Officer Air Ride SCBA Seat, Imp/Vel	1
134	0771853	Cabinet, Rear Facing, LS, 21 W x 40.5 H x 24 D, Web, Sp Mtg, Imp/Vel	1
		Type of fastener - spring clip and hook	
		Restraint Location - Bottom (towards the ground)	
		Light, Short Cabinet - Pierce, Interior, Left Side	
		Material Finish, Shelf - Painted - Cab Interior	
		Shelf/Tray, Cabinet - (1) Shelf, Adjustable, 1.25" Up-Turned Lip	
		Louvers, Cabinet - 0-No Louvers	
135	0102783	Not Required, Seat, Rr Facing C/C, Center	1
136	0752571	Cabinet, Rear Facing, RS, 21.5 W x 40.5 H x 21 D, Web, Ext Acc, Sp Mtg, Imp/Vel	1
		Type of fastener - spring clip and hook	
		Restraint Location - Bottom (towards the ground)	
		Light, Short Cabinet - Pierce, Interior, Right Side	
		Scuffplate, Material/Finish - S/S, Polished	
		Material Finish, Shelf - Painted - Cab Interior	
		Shelf/Tray, Cabinet - (1) Shelf, Adjustable, 1.25" Up-Turned Lip	
		Door, Cab Exterior Cabinet - Double Pan, Locking #751	
		Door, Exterior Stop - Web Strap	
		Louvers, Cabinet - 0-No Louvers	
137	0660826	Seat, Forward Facing C/C, DS Outboard, Pierce PS6, Hi-Back, Foldup, 9 Deg,17"Btm	1
138	0123167	Seat, Forward Facing C/C, Center, (2) Pierce PS6, Premium, SCBA	1
139	0660820	Seat, Forward Facing C/C, PS Outboard, Pierce PS6, Hi-Back, Foldup, 9 Deg,17"Btm	1
140	0617410	Matting, Turtle Tile, EMS Compt, Shelving, 0.75" Thick	4
		Location - shelf and floor on left and right side EMS comp	
		Qty, - 04	
		Color - 1) black	
141	0766467	Upholstery, Seats In Cab, All Vinyl, Seats Inc, CARE	6
		Color, Cab Interior Vinyl/Fabric - Endure Vinyl - Black	
		Qty, - 06	
142	0543991	Bracket, Air Bottle, Hands-Free II, Cab Seats	3
		Qty, - 03	
143	0603867	Seat Belt, ReadyReach	1
		Seat Belt Color - Red	
144	0604863	Seat Belt Height Adjustment, 6 Seats, Imp/Vel, Dash CF	1
145	0602464	Helmet Storage, Provided by Fire Department, NFPA 2016	1
146	0647647	Lights, Dome, FRP Dual LED 4 Lts	1
		Color, Dome Lt - Red & White	
		Color, Dome Lt Bzl - Black	
		Control, Dome Lt White - Door Switches and Lens Switch	
		Control, Dome Lt Color - Lens Switch	
147	0631776	Not Required, Overhead Map Lights	1
148	0555813	Handlts, (4) Streamlight, Fire Vulcan, 44451, C4 LED, Tail Lts, 12v, Orange	1
		Location, Portable Hand Light - Engine Tunnel Area	
149	0568369	Cab Instruments, Ivory Gauges, Chrome Bezels, Impel/Veloccity 2010, Dash CF	1
150	0509511	Air Restriction Indicator, Imp/Vel, AXT, Dash CF, Enf MUX	1
151	0543751	Light, Do Not Move Apparatus	1
		Alarm, Do Not Move Truck - Pulsing Alarm	
152	0509042	Messages, Open Dr/DNMT, Color Dsply,	1
153	0611681	Switching, Cab, Membrane, Impel/Veloccity/Quantum, Dash CF, AXT WiFi MUX	1
		Location, Emerg Sw Pnls - Driver's Side Overhead	
154	0555915	Wiper Control, 2-Speed with Intermittent, MUX, Impel/Veloccity	1
155	0002565	Hourmeter, Aerial Inside Cab	1
156	0002615	Switch, Aerial 12V Master	1
157	0002617	PTO switch, w/light - aerial	1
158	0686687	Wiring, Spare, 37.5 A 12V DC, Customer Install Radio, 30A Sw Bat, 7.5A Ign Grnd	1
		Qty, - 01	
		Location - radio box	

159	0797189	Wiring, Spare, 4.8 A 12V DC, USB Termination Blue Sea 1045 1st Qty, - 01 12vdc power from - Battery direct Location - to be mounted on the officers side of the dog house	1
160	0548004	Wiring, Spare, 15 A 12V DC 1st Qty, - 02 12vdc power from - Battery direct Wire termination - Butt Splice Location, Spare Wiring - Officer Dash	2
161	0566101	Recess, Dash Panel, Officer Side, Vel/Imp	1
162	0697394	Instrument Panel Layout, Match Existing Fill in Blank - 36274	1
163	0643196	Radio, AM/FM/CD/WB, Jensen, Front Aux In / USB / Bluetooth Speakers, AM/FM Radio - Two (2) pairs of speakers, Cab/Crew Antenna, AM/FM Radio - c) Roof-mounted rubber antenna Location, AM/FM Radio - a) within reach of the driver	1
164	0615386	Vehicle Information Center, 7" Color Display, Touchscreen, MUX System Of Measurement - US Customary	1
165	0734857	Collision Mitigation, HAAS Alert (R2V), HA5 Subscription, HAAS R2V - R2V - 5 Year Data Plan Subscription	1
166	0606247	Vehicle Data Recorder w/CZ Display Seat Belt Monitor	1
167	0601961	Intercom, Firecom 5100D Single Radio, 2 Wireless Base Station, Up to 10 Wireless Location - to be determined at prebuild meeting	1
168	0006240	Cable, Radio to Intercom Interface, Firecom, 1 Radio Radio, First Two-Way Make - Motorola High Power Radio, First, Two-Way Model - Motorola APX 7500 HP	1
169	0602027	Headset, Firecom, Wireless, UHW-503 Under Helmet, Intercom Only Qty, - 04 Location - crew cab eating positions	4
170	0602376	Headset, Firecom, Wireless, UHW-505 Under Helmet, Radio Transmit Qty, - 02 Location, Headset - Driver Seat and Officer Seat	2
171	0681408	Hangers For Headsets, NFPA, Each Qty, - 06 Location, Headset Hangers - Driver Seat, Officer Seat, DS Inbrd, Fwrd Fcng Seat, DS Outbrd, Rear Fcng Seat, PS Inbrd, Fwrd Fcng Seat and PS Outbrd, Rear Fcng Seat	6
172	0696438	Antenna Mount, Custom Chassis, Cable Routed to Radio Box Location - right side cab roof Qty, - 01	1
173	0653519	Camera, Pierce, Driver Mux, R, RS, LS Cameras Camera System Audio - Not Provided	1
174	0511071	Guard, 4-Way, Rear Vision Camera Qty, - 01 Location - above t/a centered	1
175	0615100	Pierce Command Zone, Advanced Electronics & Control System, Diag LEDs, Vel, WiFi	1
176	0730603	Electrical System, Velocity ESP, Cummins, Paccar	1
177	0079211	Batteries, (6) Exide Grp 31, 950 CCA each, Threaded Stud	1
178	0008621	Battery System, Single Start, All Custom Chassis	1
179	0123174	Battery Compartment, Imp/Vel	1
180	0531338	Charger, Sngl Sys, Kussmaul, Pump Plus 1200, 52-21-1100	1
181	0090367	Location, Charger/Compr, Front left body compt, Location Feature Location - front left side body compartment	1
182	0530951	Location, Bat Chrg Ind, DS Behind Cab Door	1
183	0016857	Shoreline, 20A 120V, Kussmaul Auto Eject, 091-55-20-120, Super Qty, - 01 Color, Kussmaul Cover - b) red Shoreline Connection - Battery Charger	1
184	0026800	Shoreline Location Location, Shoreline(s) - DS Cab Side	1
185	0647728	Alternator, 430 amp, Delco Remy 55SI	1
186	0092582	Load Manager/Sequencer, MUX	1

	Enable/Disable Hi-Idle - e)High Idle enable	
187 0783157	Headlights, Rect LED, JW Spkr Evo 2, Heat, AXT/DCF/Enf/Imp/Sab/Vel Color, Headlight Bez - Chrome Bezel	1
188 0648425	Light, Directional, Wln 600 Cmb, Cab Crn, Imp/Vel/AXT/Qtm/DCF Color, Lens, LED's - c)clear	1
189 0620054	Light, Directional/Marker, Intermediate, Weldon 9186-8580-29 LED 2lts	1
190 0736083	Lights, Clearance/Marker, Side, P25 LED 2 Lts, Others With Visor Lt	1
191 0647993	Lights, Clearance/Marker/ID, Platform, P25 LED, 5 Lts Light Guard - With Guard	1
192 0511569	Lights, Clearance/Marker/ID, Rear, P25 LED 7Lts Light Guard - Without Guard	1
193 0602938	Light, Marker End Outline, Rubber Arm, LED Marker Lamp, Rear Body Qty, Lights, Pair - 1	1
194 0564683	Lights, Tail, Wln M6BTT* Red LED Stop/Tail & M6T* Amber LED Dir Arw For Hsg Color, Lens - Clear	1
195 0561471	Lights, Backup, Wln M6BUW, LED, For Tail Lt Housing	1
196 0664481	Bracket, License Plate & Light, P25 LED	1
197 0556842	Bezels, Wln, (2) M6 Chrome Pierce, For mtg (4) Wln M6 lights	1
198 0589905	Alarm, Back-up Warning, PRECO 1040	1
199 0769420	Lights, Perimeter Cab, Amdor AY-LB-12HW020 LED 4Dr	1
200 0769564	Lights, Perimeter Pump House, Amdor AY-LB-12HW020 LED 1lt	1
201 0768765	Lights, Perimeter Body, Amdor AY-LB-12HW020 LED 2lts, Turntable Access Control, Perimeter Lts - Parking Brake Applied	1
202 0554198	Lights, Step, P25 LED, Aerial With Pump 2Lts, Pump Pnl Sw	1
203 0775585	Light, Visor, HiViz LED, FT-B-72-ML-*, Cnt Feature MUX Control, Scene Lts - Cab Sw, LS Progressive to Outside Color, Lt Housing HiViz - White	1
204 0736731	Lights, HiViz FT-GESM LED 1st Location - high and centered between the drivers door and crew cab door Qty, - 01 Control, Scene Lts - DS Scene Lts Body Color, Lt Housing HiViz - Crm Opt Hold, Crm Bez, Wht Fix	1
205 0736729	Lights, HiViz FT-GESM LED 2nd Location - high and centered between the officers door and crew cab door Qty, - 01 Control, Scene Lts - PS Scene Lts Body Color, Lt Housing HiViz - Crm Opt Hold, Crm Bez, Wht Fix	1
206 0761635	Lights, HiViz FT-MB-27-*-* 34.89", 2nd Location - to be mounted above and centered above RS1, and one to be mounted centered above RS4 Qty, - 02 Control, Scene Lts - Cab Sw Panel DS, Pump Panel Sw LS and Body Switch, PS Rear Bulkhead Color, Lt Housing HiViz - White Scene Light Optics - combination	2
207 0733343	Lights, HiViz FT-GESM* LED 1st Location - high on each side of the rear bulkhead Qty, - 02 Control, Scene Lts - Cab Sw Panel DS, Pump Panel Sw LS and Body Switch, DS Rear Bulkhead Color, Lt Housing HiViz - Crm Opt Hold, Crm Bez, Wht Fix	2
208 0761636	Lights, HiViz FT-MB-27-*-* 34.89", 1st Location - to be mounted above and centered above LS1, and one to be mounted centered above LS4 Qty, - 02 Control, Scene Lts - Cab Sw Panel DS, Pump Panel Sw LS and Body Switch, DS Rear Bulkhead Color, Lt Housing HiViz - White Scene Light Optics - combination	2
209 0565198	Not Required, Deck Lights, Other Hose Bed & Rear Lighting, Aerial	1
210 0624625	Lights, Not Required, Hose Bed, Other Rear Work Area Lights Are Provided	1
211 0721287	Lights, Hose Bed, Sides, Dual Strips, 40", 45 Ends Control, Hose Bed Lts - Cup Switch At Rear	1

212	0645677	Lights, Not Required, Rear Work, Alt. 12 Volt Lights At Rear Body	1
213	0762433	Lights, Walk Surf, Amdor AY-LB-12HW0**, LED, Cargo Areas, Front Sheet	2
		Qty, Cargo Lts - 2	
214	0022153	Aerial, Platform 100', Alum Body	1
215	0554269	Body Skirt Height, 18"	1
216	0601003	Tank, Water, 300 Gallon, Poly, PAP	1
217	0003405	Overflow, 4.00" Water Tank, Poly	1
218	0028104	Foam Cell Required	1
219	0003429	Not Required, Direct Tank Fill	1
220	0751747	Hose Bed, Aluminum, 2G Aerial	1
		Location, driver's/passenger's/center - Left & Right with divider	
		Door, Material & Finish, Access - smooth aluminum	
		Latch, Door, Access - D-ring latch	
221	0723547	Painted Hose Bed/Cargo Area	1
		Paint Color, Hose Bed Interior - Match Lower Body	
222	0003492	Hose Bed Capacity, Special Amount, Ascendant, 100AAT, PAP, PAL	1
		Capacity, Hosebed - 600' of 5', 500' of 2 1/2"	
223	0581819	Hose Restraint, Hose Bed, Vinyl, Top, Aerial	1
		Color, Vinyl Cover - c) black	
		Type of fastener - Velcro - Sides of Hosebed	
		Type of fastener, Front - Awning rail (aluminum retainer) - Front Hosebed	
224	0003509	Running Boards, PAP	1
225	0735733	Turntable Steps-Morton Cass, Swing Down,LS/RS,Ascend TA,PAL,PAP,Handhld	1
		Cut Outs	
		Step, Flip - Flip Step, Two Step Assembly	
226	0554004	Lights, Step (6), P25 LED, Swing Down Access Steps, Each Side	1
227	0690023	Wall, Rear, Smooth Aluminum	1
228	0029503	Tow Eyes (2), Painted, Aerial	1
229	0590926	Hose Restraint, Running Board, Velcro Straps	1
		Location, Hose Tray, Running Board - Right Side	
		Qty, Tray, Hose - 1	
230	0014112	Tray, Hose, Running Board, Special Capacity, Predefined	1
		Location, Hose Tray, Running Board - Right Side	
		Qty, Tray, Hose - 1	
		Capacity, Hose Tray (Predefined) - 25' of 5"	
231	0013639	Construction, Compt, Alum, PAP	1
232	0009045	Compt, LS F/H F/D, Roll Drs, w/Chute, 100' PAP	1
		Hinge Location - Rear of Body	
		Door, Material & Finish, Stabilizer - Smooth aluminum painted upper body	
		color	
		Latch, Door, Access - lift and turn latch, flush	
233	0078024	Compt, LS Turntable, F/H, Roll Dr and Lift Dr, 100' PAP	1
234	0023672	Compt, IPO Stairs, Not Required, LS	1
235	0020719	Compt, RS F/H F/D, Roll Drs, w/Chute, 100' PAP	1
		Hinge Location - Rear of Body	
		Door, Material & Finish, Stabilizer - Smooth aluminum painted upper body	
		color	
		Latch, Door, Access - lift and turn latch, flush	
236	0091710	Compt, RS Turntable, F/H, Roll Dr & Lift Dr, 100' PAP	1
237	0023673	Compt, IPO Stairs, Not Required, RS	1
238	0693023	Doors, Gortite, Rollup, Side Compartments	6
		Qty, Door Accessory - 06	
		Color, Roll-up Door, Gortite - Painted to Match Lower Body	
		Latch, Roll-up Door, Gortite - Non-Locking Liftbar	
239	0018820	Bumper, Rear, 5" w/Treadplate Cover, Ascendant Tandem, PAP, PAL, RMAP	1
240	0603711	Guard, Drip Pan, S/S, Rollup Door, Aerial	7
		Qty, Door Accessory - 07	
		Location, Door Guard/Drip Pan - LS1, LS3 Over Wheel, LS4, RS1, RS3	
		Over Wheel, RS4 and B1	
241	0689549	Lights, Compt, Pierce LED, Dual Light Strips, Each Side of Door	14
		Location - all body compartments	
		Qty, - 14	
242	0760868	Lights, Cargo/Dunnage, Dual LED Light Strips, Each Side	1

		Control, Scene Lts - With Pump Pnl Lts	
243	0603420	Shelf Tracks, Painted, Aerial	6
		Qty, Shelf Track - 06	
		Location, Shelf Track - LS1, LS3, LS4, RS1, RS3 and RS4	
244	0600289	Shelves, Adj, 500 lb Capacity, Full Width/Depth, Predefined Locations, Aerial	11
		Qty, Shelf - 11	
		Material Finish, Shelf - Painted - Spatter Gray	
		Location, Shelves/Trays, Predefined - LS1-Transition Point, RS1-Transition Point, RS3-Centered, RS4-Centered, RS4-Lower Third, RS4-Upper Third, RS1-Upper Third, LS3-Centered, LS4-Centered, LS4-Upper Third and LS1-Upper Third	
245	0587988	SP Tray, 215 lb, Tilt/Slide-Out, 30 Deg, Adj, Painted	1
		Location - RS3 mounted as low as possible	
		Qty, Tray (slide-out) - 01	
246	0667235	Cable, Single Hand Operation, Tilt/Slide Out, Utility Trays	1
		Location - RS3	
		Qty, Tray (slide-out) - 01	
247	0603763	Tray, Floor Mounted, Slide-Out, 500lb, 2.00" Sides, 2G Aerial	4
		Qty, - 04	
		Location, Tray Slide-Out, Floor Mounted - RS1, RS4, LS1 and LS4	
		Material Finish, Tray - Painted - Spatter Gray	
248	0590939	Toolboard, Alum, .188", Peg Board, Added to Slide-Out Tray	1
		location - RS4, tool board to be 30" tall.	
		Qty - 1	
		Hole Diameter, Pegboard/Toolboard - .203" diameter	
		Finish, Pegboard/Toolboard - Painted - Spatter Gray	
249	0659383	Matting, Turtle Tile w/Ramp, Compt Floors	3
		Location - LS2, LS3, RS2,	
		Qty, Comp. Accessory - 03	
		Color - 1) black	
		Color, Tile Edge - black	
250	0028026	Matting, Turtle Tile, Compt Shelving only	18
		Location - LS1-3, LS3-1, LS4-3, LS5-1, RS1-3, RS3-2 RS4-4 RS5-1	
		Qty, Shelf - 18	
		Color - 1) black	
251	0062238	Pegboard, Side Wall Mounted, 3/16" Alum	2
		Location - forward and rearward wall of LS2	
		Qty, Comp. Accessory - 02	
		Configuration - vertically	
		Hole Diameter, Pegboard/Toolboard - .203" diameter	
		Finish, Pegboard/Toolboard - Painted - Spatter Gray	
252	0755638	Pegboard, Back Wall Mounted, 3/16" Alum, Full Height Compt	2
		Qty, Comp. Accessory - 02	
		Hole Diameter, Pegboard/Toolboard - .203" diameter	
		Finish, Pegboard/Toolboard - Painted - Spatter Gray	
		Location, Compartment, Predefined - LS2, RS2 and RS3	
253	0004016	Rub Rail, Aluminum Extruded, Side of Body	1
254	0004027	Fender Crowns, Rear, S/S, Two Pair	1
255	0519849	Not Required, Hose, Hard Suction	1
256	0893756	Handrails, Side Pump Panels, Per Print, Aerial	1
		Step, Runningboard - no step	
257	0654775	Compt, Equipment/Air Pack, Between Tandems, Aerial	2
		Qty, - 02	
		Location, driver's/passenger's/center - 1LS & 1RS	
		Door Finish, Fender Compt - Polished	
		Latch, Air Bottle Compt - Southco C2 Chrome Raised	
		Door Type - drop down with support cable	
258	0791380	Compt, Air Bottle, Triple, Fender Panel Corner, 6.5"Diameter Max,w/straps,Aerial	2
		Qty, Air Bottle Comp - 2	
		Location, Air Bottle - (1) RS Ahead Rr Wheel and (1) RS Behind Rr Wheel	
		Door Finish, Fender Compt - Polished	

	Latch, Air Bottle Compt - Southco C2 Chrome Raised	
	Insert, Air Bottle Compt - Rubber Matting	
259 0780146	Compt, Air Bottle w/DEF Tank, Common Triang Door,w/Strap,Single,Round,Fender Pnl	1
	Qty, Air Bottle Comp - 1	
	Door Finish, Fender Compt - Polished	
	Location, Fender Compt - Single - LS Fwd	
	Latch, Air Bottle Compt - Southco C2 Chrome Raised	
	Insert, Air Bottle Compt - Rubber Matting	
260 0601235	Compt, Air Bottle, Single, Round, Fender Panel, Tandem Axle Aerials	1
	Qty, Air Bottle Comp - 1	
	Door Finish, Fender Compt - Polished	
	Location, Fender Compt - Single - LS Rear - Fuel Fill Combo - Triangular	
	Dr	
	Latch, Air Bottle Compt - Southco C2 Chrome Raised	
	Insert, Air Bottle Compt - Rubber Matting and Strap	
261 0004218	Ladder, 35' Duo-Safety 1200A 2-Sect	1
	Qty, - 1	
262 0010406	Ladder, 28' Duo-Safety 1200A 2-Section	1
	Qty, - 1	
	Location, Extension Ladder - torque box	
263 0004232	Ladder, (2) 16' Duo-Safety 875A Roof	1
264 0648681	Ladder, 14' Duo-Safety 875-DR Roof	1
	Qty, - 01	
	Location - on the ladder brackets on aerial device	
265 0004233	Ladder, 14' Duo-Safety Fresno 701	1
	Qty, - 1	
266 0004246	Ladder, 10' Duo-Safety Folding, 585A	1
	Qty, - 01	
	Location, Folding Ladder Aerial - torque box	
267 0042207	Ladders Stored in Torque Box, Gortite Roll, Ascendant TA, PAL, PAP	1
	Color, Roll-up Door, Gortite - Satin finish	
	Latch, Roll-up Door, Gortite - Non-Locking, Rear	
268 0602100	Lights, Torque Box Ladder Storage, Pierce LED Strip Lights, 2 Lts	1
269 0047166	Ladder, 10' Duo-Safety Folding, 585A, Additional	1
	Location, Folding Ladder - Aerial Fly Section	
270 0775907	Pike Pole, 12' DUO Safety, Fiberglass	1
	Qty, - 01	
271 0567897	Pike Pole, 8' Fire Hooks Unlimited, New York Roof Hook, Steel, Pry End, RH-8	2
	Qty, - 02	
	Location - 1 pike pole storage, 1 ladder bracket storage	
272 0552649	Pike Pole, 6' Fire Hooks Unlimited, New York Roof Hook, Steel, Pry End, RH-6	2
	Qty, - 02	
	Location - pike pole storage, 1 ladder bracket storage	
273 0759174	Pike Pole, 4' Fire Hooks Unlimited, New York Roof Hook, RH-4, Pry End	2
	Qty, - 02	
274 0770577	Pike Pole Tubes, in Torque Box/Ladder Storage, Aluminum	1
	Qty, - 01	
275 0770572	Pike Pole Tubes, in Torque Box/Ladder Storage, Alum, Special Notch, NY Style	4
	Qty, - 04	
276 0675159	Holder, Flag, Pipe and Pin	1
	Qty, - 01	
	Fill in Blank - tbd	
277 0024388	No Steps Required, Front Of Body	1
278 0620530	Pump House, Side Control, 52", Control Zone, Aerial	1
279 0509918	Pump House Structure, Raised, Included with Enclosed Pump Panel	1
280 0004435	Pump, Waterous, CSU, 2000 GPM, Single Stage	1
281 0004482	Seal, Mechanical, Waterous	1
282 0559769	Trans, Pump, Waterous C20 Series	1
283 0635600	Pumping Mode, Stationary Only	1
284 0605126	Pump Shift, Air Mnl Override, Split Shaft, Interlocked, Waterous	1
285 0003148	Transmission Lock-up, EVS	1
286 0004547	Auxiliary Cooling System	1

287	0014486	Not Required, Transfer Valve, Stage Pump	1
288	0746508	Valve(s), Relief Intake, Trident Air Max, Control Location	1
		Qty - 1	
		Pressure Setting - 125 psig	
		Intake Relief Valve Control - Left Side Pump Panel	
289	0721609	Controller, Pressure, Pierce LCD, Custom Chassis	1
		Pressure Governor Throttle Control - Clockwise	
		Pressure Governor Default Mode - Pressure Setting	
290	0072153	Primer, Trident, Air Prime, Air Operated	1
291	0780364	Manuals, Pump, (2) Total, Electronic Copies	1
292	0602512	Plumbing, Stainless Steel and Hose, Single Stage Pump, Control Zone	1
293	0795135	Plumbing, Stainless Steel, w/Foam System	1
294	0004645	Inlets, 6.00" - 1250 GPM or Larger Pump	1
295	0014650	Pump Suction Tube(s), Short, All	1
296	0767397	Valve, w/Relief, Left Inlet, 6", Akron 9333 Elec Controller, Jamesbury, Override	1
297	0767389	Valve, w/Relief, Right Inlet, 6", Akron 9333 Elec Controller, Jamesbury, Override	1
		Qty, Main Inlet Valves - 1	
298	0004646	Cap, Main Pump Inlet, Long Handle, NST, VLH	1
299	0084610	Valves, Akron 8000 series- All	1
300	0016158	Valve, Inlet(s) Recessed, Side Cntrl, "Control Zone"	2
		Qty, Inlets - 2	
301	0004700	Control, Inlet, at Valve	1
302	0004660	Inlet (1), Left Side, 2.50"	1
303	0723551	Inlet (1), Right Side, 2.50"	1
304	0055720	Adapter, Side Inlet, 6" FNST x 5" Storz w/Cap	2
		Qty, Adapter for Inlet - 2	
		Location, driver's/passenger's/center - Left & Right	
305	0034720	Anode, Zinc, Pair, Pump Inlets	1
306	0092569	No Rear Inlet (Large Dia) Requested	1
307	0064116	No Rear Inlet Actuation Required	1
308	0092696	Not Required, Cap, Rear Inlet	1
309	0009648	No Rear Intake Relief Valve Required on Rear Inlet	1
310	0092568	No Rear Auxiliary Inlet Requested	1
311	0723049	Valve, .75" Bleeder, Aux. Side Inlet, "T" Swing Handle	1
312	0029043	Tank to Pump, (1) 3.00" Valve, 3.00" Plumbing	1
313	0004905	Outlet, Tank Fill, 1.50"	1
314	0062133	Control, Outlets, Manual, Pierce HW if applicable	1
315	0004940	Outlet, Left Side, 2.50"	2
		Qty, Discharges - 02	
316	0005091	Elbow, Left Side Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
317	0092570	Not Required, Outlets, Left Side Additional	1
318	0035094	Not Required, Elbow, Left Side Outlets, Additional	1
319	0004945	Outlet, Right Side, 2.50"	1
		Qty, Discharges - 01	
320	0025091	Elbow, Right Side Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
321	0092571	Not Required, Outlets, Right Side Additional	1
322	0089584	Not Required, Elbow, Right Side Outlets, Additional	1
323	0005047	Outlet, 4" w/4" Right, Handwheel	1
		Valve, Brand - Akron	
324	0005097	Elbow, Large Dia Outlet, 30 Deg, 4.00" FNST x 5.00" Storz	1
		Qty, - 01	
325	0607659	Outlet, Front, 1.50" w/2" Plumbing, Special Under Slung Bumper	1
		Fitting, Outlet - 1.50" NST with 90 degree swivel	
		Drain, Front Outlet - Automatic	
		Location, Front, Single - in right bumper tray	
326	0624067	Cover, Not Required, Front Bumper Crosslays, Selected in Other Category	1
327	0092575	Not Required, Outlet, Rear	1
328	0045099	Not Required, Elbow, Rear Outlets	1
329	0092574	Not Required, Outlet, Rear, Additional	1
330	0085695	Not Required, Elbow, Rear Outlets, Large, Additional	1
331	0092573	Not Required, Outlet, Hose Bed/Running Board Tray	1
332	0752097	Caps/Plugs for 1.00" to 3.00" Discharges/Inlets, Chain	1
333	0723042	Valve, 0.75" Bleeder, Discharges, "T" Swing Handle	1
334	0029106	Not Required, Deluge Outlet	1

335	0029302	No Monitor Requested	1
336	0029304	No Nozzle Req'd	1
337	0029107	No Deluge Mount	1
338	0047583	Waterway Outlet & Control, 4" Akron, Handwheel	1
339	0723726	Speedlay Module Not Required	1
340	0722432	Hose Restraint Not Required, No Speedlay Module	1
341	0723395	Speedlays, Not Required	1
342	0723394	Speedlays, Not Required	1
343	0096903	Crosslays Sngl Sheet Unpainted, (2+) 1.50", Std.Cap, Overhead Piping,w/Poly Tray	2
		Qty, Crosslays - 2	
344	0616895	Crosslay, (1) 2.50" Std Cap, Overhead Piping, w/Poly Tray	1
345	0500535	Not Required, Hose Restraint, Crosslay	1
346	0029260	Not Required, Speedlays	1
347	0750536	Hose Restr, Spdly, Not Required, No Spdly	1
348	0019853	Crosslays, 8.00" Lower Than Standard - Control Zone w/9.00" Raised PH	1
349	0661221	Tray(s), Poly, Special Size, IPOS	3
		Location - in cross lay module	
		Qty, - 03	
		Size - Crosslay 1.5" #1-8.00", Crosslay 1.5" #2-8.00", Crosslay 2.5" #3	
		10.00"	
350	0624939	Foam Sys, Husky 3, Single Agent, Multi Select Feature	1
		Discharge, Foam Locations - Front Bumper Center, Crosslay Front,	
		Crosslay Center and Crosslay Rear	
351	0012126	Not Required, CAF Compressor	1
352	0592527	Refill, Foam Tank, Integral, Husky 3	1
353	0031896	Demonstration, Foam System, Dealer Provided	1
354	0022539	Foam Cell, 20 Gallon, Reduce Water	1
		Type of Foam - Class "A"	
355	0697589	Drain, 1.00", Foam Tank #1, Husky 3 Foam System, Quarter Turn	1
356	0091079	Not Required, Foam Tank #2	1
357	0091112	Not Required, Foam Tank #2 Drain	1
358	0746447	Approval Dwg, All Pump Panel(s), Includes Color And Label Tags	1
		Num Of Truck(s) or Sim Unit, ALL Pump Pnl, Dwg - 01	
359	0032479	Pump Panel Configuration, Control Zone	1
360	0579539	Step, Slide-Out/Fold-Out, Pump Operator Platform, Aerial, w/Enclosure	1
361	0769430	Light, Slide-Out Pump Operator Step, Amdor AY-LB-12HW020, Short Step	1
362	0629252	Material, Pump Panels, Side Control Black Vinyl	1
		Material Finish, Pump Panel, Side Control - Black Vinyl	
		Material, Pump Panel, Side Control - Aluminum	
363	0721765	Panel, Pump Access - Right Side Only, Side Control	1
		Latch, Pump Panel Access, Side Mount - Raised Trigger, Chrome	
364	0583824	Light, Pump Compt, WIn 3SC0CDCR LED White	1
		Qty, - 01	
365	0536401	Gauges, Engine, Included With Pierce Pressure Controller	1
366	0005601	Throttle, Engine, Incl'd w/Press Controller	1
367	0739224	Indicator Light @ Pump Panel, Throttle Ready, Incl w/Pressure Gov/Throttle,Green	1
368	0549333	Indicators, Engine, Included with Pressure Controller	1
369	0745568	Indicator Light, Pump Panel, Ok To Pump, Green	1
370	0553643	Control, Air Horn at Pmp Pnl, Red Switch	1
371	0787412	Enclosure, Rollup door, Gortite, Over Pump Panel, Body Width	2
		Qty, Door Accessory - 02	
		Color, Roll-up Door, Gortite - Painted to Match Lower Body	
		Latch, Roll-up Door, Gortite - Non-Locking Liftbar	
		Finish, Compartment Interior - Spatter paint	
		Location, Left Side, Right Side - Left Side and Right Side	
		Size, Enclosure - Pump Panel and Crosslays	
		Door Guard - Drip Pan Required	
372	0898070	SP Cold Climate Package, Pump House, Level 3, Cab Activation, Red Switch	1
373	0511078	Gauges, 4.00" Master, Class 1, 30"-0-600psi	1
374	0511100	Gauge, 2.00" Pressure, Class 1, 30"-0-400psi	1
375	0750526	Gauge, Water Level, Pierce, In pressure Controller, Lt Driver	1
376	0750438	Water Level Gauge, WIn PSTANK2, LED 1-Light, 4-Level	2
		Qty, - 02	
		Activation, Water Level G - pb) parking brake is applied	

		Location, Water Level Gauge, Multi-Select - Each Side Custom Cab - Most Rearward	
		Color, Trim - Chrome Trim	
377	0062992	Gauge, Foam Level, (1) Tank, Class 1, GAAAR 5lt	1
378	0593161	Light Shield, S/S LED	1
379	0682488	Light Shield, S/S, PS LED	1
380	0793576	Air Horns, (2) Grover, Stutter Tone, 2040 Rect, Through Underslung Bumper Flange	1
381	0606835	Location, Air Horns, Bumper, Each Side, Outside Frame, Outboard (Pos #1 & #7)	1
382	0757092	Control, Air Horn, Multi Select	1
383	0757078	Control, Air Horn, Push Button Sw, RS	1
384	0757084	Control, Air Horn, Horn Ring	1
385	0757076	Control, Air Horn, Lanyard, RS	1
		Lanyard - Nylon covered cable	
386	0757077	Control, Air Horn, Lanyard, LS	1
		Lanyard - Nylon covered cable	
387	0525667	Siren, Wln 295SLSA1, 100 or 200 Watt	1
388	0510206	Location, Elect Siren, Recessed Overhead In Console	1
		Location, Elec Siren - Overhead, PS Inside Sw Pnl	
389	0076156	Control, Elec Siren, Head Only	1
390	0601306	Speaker, (1) Wln, SA315P, w/Pierce Polished Stainless Steel Grille, 100 watt	1
		Connection, Speaker - siren head	
391	0601565	Location, Speaker, Frt Bumper, Recessed, Center (Pos 4)	1
392	0895310	Siren, Federal Q2B	1
		Finish, Q2B Siren - Chrome	
393	0630659	Siren, Mechanical, Mounted Above Deckplate, Under Slung Bumper	1
		Location, Siren, Mech - a) Left	
394	0748305	Control, Mech Siren, Multi Select	1
395	0748274	Control Mech Siren, Rocker/Membrane Sw, RS	1
396	0748280	Control Mech Siren, Horn Ring	1
397	0736158	Sw, Siren Brake, Momentary, Lower Sw Pnl	1
398	0726893	SP Sw, Siren Brake Momentary, Addditional Cab Loc Fet	1
		Location - PS overhead switch panel (panel #5 / location #1)	
		Qty, - 01	
399	0746353	Not Required, Warning Lights Intensity	1
400	0723168	SP Lightbar, Wln, Freedom IV-Q, 2-21.5", RRRRW RWR RRR, 30 Deg	1
		Filter, Whl Freedom Ltbrs - No Filters	
401	0764701	SP Lights, Frnt Zn Up, Pltform, Wln, M6** LED, 4lts	1
		Location, Lights - one under each monitor, one on each side of the front of the basket facing forward	
		Color, Lens, LED's - c)clear	
		Color, Lt DS Frnt Outside - Red	
		Color, Lt PS Frnt Outside - Red	
		Color, Lt DS Front Inside - Blue	
		Color, Lt PS Front Inside - Blue	
402	0543663	Lights, Basket, Wln, M9*C, LED, Clear Lens	2
		Location - on on each side of the platform	
		Color, Light - ae) red	
		Qty, - 02	
403	0898734	Light, Front Zone, Wln M6** M6** M6** M6** Q Bzl	1
		Color, Lens, LED's - Clear	
		Color, Lt DS Frnt Outside - Left Red	
		Color, Lt PS Frnt Outside - Right Red	
		Color, Lt DS Front Inside - Left Blue	
		Color, Lt PS Front Inside - Right Blue	
		Color, Q Bezel and Trim - Polished Chrome	
404	0757440	Light, Front, Roto Ray 4000W, PAR46 LED, 2-R, 1-W, Hidden Mt Top Section Grl	1
405	0653937	Flasher, Headlight Alternating	1
		Headlt flash deactivation - a)w/high beam	
406	0540692	Lights, Side Zone Lower, Wln M6*C LED, Clear Lens, 3pr, Ovr 25	1
		Location, Lights Front Side - b)each side bumper	
		Color, Lt Side Front - Red	
		Color, Lt Side Middle - Red	

		Color, Lt Side Rear - Red	
		Location, Lights Mid Side - Rearward of Crew Cab Doors	
		Location, Lights Rear Side - Between Tandem	
407 0895994		Lights, Door Interior Flash, 4 Dr Cab, Wln M4**	1
		Color, Lens, LEDs - Clear	
		Color, Trim - Chrome Trim	
		Control, Door Int Flash - E-Master	
		Location, Light, Door Int Flash - Low and Outside	
		Color, Lt Cab Left - Red Flashing	
		Color, Lt Cab Right - Red Flashing	
		Color, Lt Crew Cab Left - Red Flashing	
		Color, Lt Crew Cab Right - Red Flashing	
408 0895748		Lw Int Enabled for Door Interior Warn	1
409 0895735		Control, Door Interior Warning Lw Int, Prk Brk	1
410 0895609		Connectors, Door Interior Flash, All Cabs, Butt Splice	1
411 0564655		Lights, Rear Zone Lower, Wln M6*C LED, Clear Lens, For Tail Lt Housing	1
		Color, Lt DS Rear - r) DS Rear Lt Red	
		Color, Lt PS Rear - b) PS Rear Lt Blue	
412 0636558		Light, Rear Zone Up, Wln L31H*F LED Beacon	1
		Color, Lens, LED's - c)clear	
		Color, Beacon, DS LED's - Red	
		Color, Beacon, PS LED's - Blue	
413 0560719		Light, Rear Zone Up Block, Wln M6* LED, Clear Lens	1
		Location, Lights - on the upper rear bulkhead each side	
		Flange Kit - w)with flange	
		Control, Light - f) emerg master	
		Color,Whln 600 LED - DS rd/cl, PS bl/cl	
414 0791501		Light, Traffic Directing, Wln TAL65, 36" Long LED, Aerials	1
		Activation, Traffic Dir L - Not Connected	
415 0530074		Location, Traf Dir Lt, On Top of Body Below Turntable w/Trdplt Box	1
416 0530282		Location, Traf Dir Lt Controller, Overhead Switch Panel DS Right End	1
417 0893062	SP	Inverter, Xantrex Freedom X, 817-3000, 3000W, Non-NFPA	1
		Location, Inverter - forward wall of RS4	
418 0780309		Receptacle, 15/20A 120V 3-Pr 3-Wr SB Dup, 4 place, Interior Cab	4
		Qty, - 04	
		Location 1 - two in each medical cabinet, one higher and one lower	
		AC Power Source - Shoreline to Inverter Internal Transfer Sw	
		Cover, Receptacle - Interior SS Wall Plate(s)	
419 0741378	SP	Receptacle, 15/20A 120V 3-Pr 3-Wr, NEMA 5-20R SB Dup, 1st, Int Bdy Recessed	2
		Qty, - 02	
		Location 1 - upper right side of LS4, Upper left side of RS4	
		AC Power Source - Shoreline to Inverter Internal Transfer Sw	
		Cover, Receptacle - Interior SS Wall Plate(s)	
420 0519934		Not Required, Brand, Hydraulic Tool System	1
421 0649753		Not Required, PTO Driven Hydraulic Tool System	1
422 0784643		Aerial, 100' Pierce Platform, 35 MPH Wind Rating, 400lb Tip Load Allowance	1
423 0000042		Boom Support, Rear of the Chassis Cab	1
424 0762413		Light, Boom Support, Amdor AY-LB-12HW012, 12" LED	1
425 0799569		Boom Support Compartment, Rear of Cab, Cab Height, Full Depth	1
		Latch, Door, Storage - "D" Handle Latch, Pair	
		Hinge Location - Forward	
426 0680820		Boom Panel, One, Sized to Match Opposite Side Box	1
		Location, Aerial Device - left side	
		Paint Color, Predefined - #90 Red	
427 0526890		Not Required, Indicator, Extension	1
428 0688232		Rung Covers, Aerial Device	1
		Rung Cover Color - Black	
429 0786841		Brackets Only, Roof/Fresno Ladder, Base Section, Inboard of Boom Panel	1
		Qty, - 01	
		Location, Aerial Device - right side	
		Roof Ladder, Make/Model, Multi-Select - 14' Duo-Safety 875-A-DR	
430 0678641		Brackets Only, Pike Pole, Aerial Fly Section	2

		Qty, - 02	
		Pike Pole Make/Model - Fire Hooks Unlimited 6' and 8' New York Roof	
		Hook	
431	0677710	Brackets Only, Folding Ladder, Aerial Fly Section	1
		Fldg Ladder, Make/Model - 8' Duo Safety 585A	
432	0623645	Aerial Stability Test, Max Tip Options	1
433	0728977	Box,Stokes/Lyfe Bracket,w/Cover,Base Section,In Place of Boom Panel,w/Door Sw	1
		Finish - Painted, Job Color	
		Latch, Door, Storage - Butterfly Latch, Pair	
		Location, Aerial Device - right side	
		Louvers - no louvers	
		Size, Stokes Basket, Predefined - 86"L x 24"W x 8"H	
434	0600934	Basket, PAP, Wide, NFPA 2016	1
		Aerial Basket Latch - Eberhard 206	
435	0677364	Landing Pad Extensions, Under Platform Basket	1
436	0677439	Box, Hose Storage, Platform	1
		Qty, - 01	
		Latch, Door, Storage - Butterfly Latch	
		Location, Aerial Basket - left	
		Cover - cover	
		Hose Size, Hosebox - 100' of 1.75"	
437	0633318	SP Box, Miscellaneous Storage, Platform	1
		Qty, - 01	
		Size - tbd	
		Make/Model - tbd	
		Latch, Door, Storage - Butterfly Latch	
		Location, Aerial Basket - left	
		Cover - cover	
438	0669803	SP Box, Axe and Halligan Tool, Platform	1
		Qty, - 01	
		Size - tbd	
		Latch, Door, Storage - Butterfly Latch	
		Length - 42.00"	
		Location, Aerial Basket - right	
439	0673161	Box, Saw Storage, Platform	1
		Size - Length 42.6 inches	
		Width 11.8 inches	
		Height 12.6 inches	
		Volume 3.7 cubic feet	
		Make/Model - Stihl MS 462 C Rescue Chainsaw	
		Latch, Door, Storage - Butterfly Latch	
440	0601972	Lights, Turntable Walkway, P25, LED	1
441	0601949	Light, Turntable Console, TecNiq T-10, LED Strip Light	1
442	0682164	Cover, Around Aerial Rotation Bearing	1
		Material - treadplate	
443	0732760	Basket Heat Shields	1
444	0508717	Control Stations, 100' PAP, Color Display	1
445	0680909	Stabilizers, Two Sets, PAP, Split Pan	1
		Material, Stabilizer Pad - Composite	
446	0728961	Stabilizer Pan Material	1
		Stabilizer Panels - polished stainless steel	
447	0530819	Not Required, Aerial Stabilizer Pins	1
448	0780909	Door,Stabilizer Control Box,Aerial MUX,Hinged Outboard,Latch Feature,Smooth Alum	1
		Latch, Door, Storage - "D" Handle Latch	
449	0615057	Stabilizer Placement, Cameras w/Command Zone Color Display, 2 Sets	1
450	0596621	Hydraulic System, 100' PAP	1
451	0061893	Swivels, w/Encoder, PAL/PAP, 36 Collector Rings	1
452	0784656	Electrical System, D Series, 100' PAP	1
453	0893859	SP Lights, HiViz FT-WL-X-9-* Trk 2lts, FT-WL-X-9-**-*.SH2 @ Basket 2lt (PAP)	1
		Location, Sw, Arl DC Lts - m) 2 locations	
		Color, Lt Housing HiViz - White	

		Scene Lt Optics LH Fly - Combination Left	
		Scene Lt Optics RH Fly - Combination Right	
		Scene Lt Optics LH Base - Left Spot	
		Scene Lt Optics RH Base - Right Spot	
454	0653737	Lighting, Rung, LED, TecNiq, 3 Section, Base, Mid, Fly	1
		Control, Aerial Rung Lighting - DS Pump Panel Sw, DS Sw Panel and	
		Turntable Sw w/Master Batt Sw	
		Color, Lt Aerial Fly Sect - Blue	
		Color, Lt Aerial Base Sect - Blue	
		Color, Lt Aerial Mid Sect - Blue	
455	0616374	Light, Locator, Wln M2W** At Tip, Facing Out, PAL/PAP, 2lts	1
		Color, Light - p) one blue, one red	
		Color, Lens, LED's - Clear	
		Control, Aerial Rung Lighting - Turntable Sw w/Master Batt Sw	
456	0540743	Lights, Stabilizer Warn (2) Sets, Wln M6*C LED, Clear Lens	1
		Color, Lt Rr Stabilzr Pan - r) Pan Light Red	
		Color, Lt Fr Stabilzr Pan - r) Pan Light Red	
457	0068701	Lights, Grote Supernova LED, Stabilizer Beam, (2) Sets	1
458	0762388	Lights, Stabilizer Scene, (2) sets, Amdor AY-LB-12HW012, LED	1
459	0750301	SP DC Power to Basket 13.92 Amps @ 12 Volts DC, 100'PAP, RMAP	1
460	0893322	SP Light, HiViz, FT-MB-6-**-*, FT-MBKIT-LPX-* Mts 12 Volt DC, 8.43" Under Basket	2
		Qty, - 02	
		Location, Sw, Arl AC Lts - N) 3 Pos	
		Location, Plat/Tip AC Lts - G) Under DS/PS Forward Facing	
		Color, Lt Housing HiViz - White	
		Scene Light Optics - Flood/Spot	
461	0893198	SP Light, HiViz, FT-MB-15-**-*, FT-MBKIT-LPX-* Mts 12 V DC, 19.77" Undr Bskt	1
		Qty, - 01	
		Location, Sw, Arl AC Lts - N) 3 Pos	
		Location, Plat/Tip AC Lts - T) Under Center Facing Forward	
		Color, Lt Housing HiViz - White	
		Scene Light Optics - Flood/Spot	
462	0737181	Intercom, 2-Way Fire Research ICA910 Hands Free	1
463	0590093	Breathing Air to Tip, (2) 6000 PSI, 100 PAP	1
		Refill Hose - 120'	
		Breathing Air Fitting - Foster	
		Breathing Air Mask Box - mask box platform butterfly latch	
464	0583419	Mask, M.S.A. Respirator, Facial Reg	2
		Qty, - 02	
465	0126600	Raised Pedestal, 3.00", Rear Mount Aerials, AXT, Velocity, Impel, Enf	1
466	0540605	Lyfe Brackets, 3-In-1, Used w/Duo-Safety 875 Ladders ONLY, Wide Basket	1
		Width - 19.00"	
467	0536374	Turntable Access, ManSaver Bars, Red	1
468	0016950	Waterway, 100' PAP	1
469	0016951	(2) Preconnects At Platform, PAP	1
470	0540478	Monitors, (2), TFT Monsoon, Y4-E21A-P Electric	1
		Nozzle, Monitor 1, PAP - TFT M-ERP2000 Electric 2000 gpm	
		Nozzle, Monitor 2, PAP - TFT YST-4NN Tips	
471	0086971	Flowmeter, Waterway, MUX, PAP	1
472	0004836	Inlet, 5.00" at Rear w/ Pump, Ascendant Tandem, PAP, PAL	1
473	0003839	Adapter, Aerial Inlet, 5" FNST x 5" Storz w/Cap	1
		Qty, - 1	
474	0696916	Gauge, 4.00" Pressure, Class 1, Rear Inlet, PAL/PAP, Special	1
		Gauge Pressure Range - 30"-0-400 psi	
		Color Dial Face - white	
475	0047897	Tools, Aerial	1
476	0559491	Manuals and Training, 3 Consecutive Days, Platform	1
477	0645891	Chart, Lubrication Points, Number and Location	1
		Qty, - 1	
478	0007150	Bag of Nuts and Bolts	1
		Qty, Bag Nuts and Bolts - 1	
479	0602497	NFPA Required Loose Equipment, Quint, NFPA 2016, Provided by Fire Department	1

480	0602397	Soft Suction Hose, Provided by Fire Department, Quint NFPA 2016 Classification	1
481	0027023	No Strainer Required	1
482	0602534	Extinguisher, Dry Chemical, Quint NFPA 2016, Provided by Fire Department	1
483	0602352	Extinguisher, 2.5 Gal. Pressurized Water, Quint, NFPA 2016, Provided by Fire Dept	1
484	0765595	Ladder Belts, Aerial	1
		Safety Belt, Large/XL - (2) two Large/XL (34"-42" waist)	
		Safety Belt, Small/Medium - (1) one Small/medium (26"-34" waist)	
		Safety Belt, XXL - (1) one XXL (42"-50" waist)	
485	0007482	Not Required, Crowbars	1
486	0007484	Not Required, Claw Tools	1
487	0602883	Axe, Flathead, Quint NFPA 2016, Provided by Fire Department	1
488	0602670	Axe, Pickhead, Quint NFPA 2016, Provided by Fire Department	1
489	0007494	Not Required, Sledgehammers	1
490	0724780	Paint Process / Environmental Requirements, Appleton, LumiCoat	1
491	0709846	Paint, Two-Tone Color, Velocity/Impel	1
		Paint Color, Upper Area, Predefined - #10 White	
		Shield, Cab - Standard Shield	
		Paint Color, Lower Area, Predefined - #90 Red	
		Paint Break, Cab - Standard Two-Tone Cab Break	
492	0709845	Paint, Single Color, Body	1
		Paint, Body - Match Lower Cab	
493	0646901	Paint Chassis Frame Assy, With Liner, E-Coat, Standard	1
		Paint Color, Frame Assembly, Predefined - Standard Black	
494	0693797	No Paint Required, Aluminum Front Wheels	1
495	0693792	No Paint Required, Aluminum Rear Wheels	1
496	0733739	Paint, Axle Hubs	1
		Paint, Axle Hub - Black #101	
497	0761782	Paint, Aerial Breathing Air Bottle(s), Color Feature	1
		Paint Color, Predefined - #90 Red	
498	0007230	Compartment, Painted, Spatter Gray	1
499	0792638	Aerial Platform Paint	1
		Paint Color, Aerial Device - White 10	
		Paint Color, Turntable - White 10	
		Paint Color, Boom Support - red 90	
		Paint Color, Cylinders - red 90	
		Paint Color, Aerial Torque Box - gloss black primer	
		Paint Color, Aerial Stabilizers - black 101	
		Paint Color, Aerial Basket - red 90	
		Paint Color, Aerial Rotation Motor - Red 90	
		Paint Color, Aerial Control Console - red 90	
500	0544129	Reflective Band, 1"-6"-1"	1
		Color, Reflect Band - A - a) white	
		Color, Reflect Band - B - l) white	
		Color, Reflect Band - C - w) white	
501	0510041	Reflective across Cab Face, Imp/Vel	1
502	0583454	Stripe, Chevron, Rear, Diamond Grade, Aerial	1
		Color, Rear Chevron DG - fluorescent yellow green	
503	0598754	Stripe, Reflective/Diamond Grade, 4.00" on Stabilizers	1
		Color, Reflect Band - A - p) fluorescent yellow green diamond grade	
504	0038596	Stripe, Reflective, 1"-6"-1" on Basket	1
		Color, Reflect Band - A - a) white	
		Color, Reflect Band - B - l) white	
		Color, Reflect Band - C - w) white	
505	0079341	Jog, In Reflective Stripe "Hockey Stick"	1
		Qty, - 01	
506	0583278	Stripe, Chevron, Diamond Grade, Rear Access Doors	1
		Color, Rear Chevron DG - fluorescent yellow green	
507	0543619	Stripe, Chevron, Diamond Grade, Rear Compartment, Roll, Aerials	1
		Color, Rear Chevron DG - fluorescent yellow green	
508	0509398	Stripe, Reflective, Chevron, Cab and Crew Cab Doors Interior	1
		Color, Reflect Band - B - m) red	
		Size, Chevron Striping - 06	

	Color, Reflect Chev - A - f) green	
509 0679822	Stripe, Sign Gold, Two-Tone Paint Break with Shield, IPO Chrome Molding	1
510 0594559	Lettering Specifications, (Sign Gold Process)	1
511 0685936	Lettering, Sign Gold, 3.00", Each	9
	Qty, Lettering - 09	
	Outline, Lettering - Outline and Shade	
512 0686002	Lettering, Reflective, 8.00", Each	10
	Qty, Lettering - 10	
	Outline, Lettering - Outline and Shade	
513 0684061	Lettering, Vinyl, 2.00", Each	15
	Qty, Lettering - 15	
	Outline, Lettering - Outline and Shade	
514 0685734	Lettering, Sign Gold, 12.00", (1-20)	1
	Outline, Lettering - Outline and Shade	
515 0685798	Lettering, Sign Gold, 6.00", (1-20)	1
	Outline, Lettering - Outline and Shade	
516 0685058	Lettering, Reflective, 24.00", Each	3
	Qty, Lettering - 03	
	Outline, Lettering - No Outline or Shade	
517 0685753	Lettering, Sign Gold, 8.00", (1-20)	1
	Outline, Lettering - Outline and Shade	
518 0685979	Lettering, Reflective, 16.00", Each	8
	Qty, Lettering - 08	
	Outline, Lettering - Outline and Shade	
519 0685815	Lettering, Sign Gold, 4.00", (1-20)	1
	Outline, Lettering - Outline and Shade	
520 0685745	Lettering, Sign Gold, 10.00", Each	4
	Qty, Lettering - 04	
	Outline, Lettering - Outline and Shade	
521 0684013	Lettering, Vinyl, 10.00", Each	2
	Qty, Lettering - 02	
	Outline, Lettering - Outline and Shade	
522 0686084	Lettering, Reflective, 3.00", Each	10
	Qty, Lettering - 10	
	Outline, Lettering - Outline and Shade	
523 0684059	Lettering, Vinyl, 2.00", (21-40)	1
	Outline, Lettering - No Outline or Shade	
524 0686033	Lettering, Reflective, 4.00", Each	14
	Qty, Lettering - 14	
	Outline, Lettering - Outline and Shade	
525 0684184	Emblem, Maltese Cross, Reflective, 15"-17", Pair	2
	Qty, - 02	
	Location, Emblem - cab doors, each side of aerial basket	
526 0695507	Rust Proof, Torque Box	1
	Color, Undercoating - Black	
527 0599008	Rust Proof/Undercoat, Custom Chassis	1
	Color, Undercoating - Black	
528 0631674	E-Coat, TAK-4 Components, Front Axle, Black	1
529 0002838	Undercoating, Cab & Body, Ziebart	1
530 0772003	Manual, Fire Apparatus Parts, USB Flash Drive, Custom	1
	Qty, - 01	
531 0772037	Manual, Chassis Service, USB Flash Drive, Custom	1
	Qty, - 01	
532 0773381	Manual, Chassis Operation, (1) USB Flash Drive, Custom	1
533 0030008	Warranty, Basic, 1 Year, Apparatus, WA0008	1
534 0611136	Warranty, Chassis, 3 Year, Velocity/Impel, WA0284	1
535 0696698	Warranty, Engine, Cummins, 5 Year, WA0181	1
536 0684953	Warranty, Steering Gear, Sheppard M110, 3 Year WA0201	1
537 0595767	Warranty, Frame, 50 Year, Velocity/Impel, Dash CF, WA0038	1
538 0595698	Warranty, Axle, 3 Year, TAK-4, WA0050	1
539 0733305	Warranty, Tandem Axle, 5 Year, Meritor, General Service, WA0384	1
540 0652758	Warranty, ABS Brake System, 3 Year, Meritor Wabco, WA0232	1
541 0019914	Warranty, Structure, 10 Year, Custom Cab, WA0012	1

542	0744240	Warranty, Paint, 10 Year, Cab, Pro-Rate, WA0055	1
543	0524627	Warranty, Electronics, 5 Year, MUX, WA0014	1
544	0695416	Warranty, Pierce Camera System, WA0188	1
545	0647720	Warranty, Pierce LED Strip Lights, WA0203	1
546	0046369	Warranty, 5-year EVS Transmission, Standard Custom, WA0187	1
547	0685945	Warranty, Transmission Cooler, WA0216	1
548	0688798	Warranty, Water Tank, Lifetime, UPF, Poly Tank, WA0195	1
549	0596025	Warranty, Structure, 10 Year, Body, WA0009	1
550	0693127	Warranty, Gortite, Roll-up Door, 6 Year, WA0190	1
551	0734463	Warranty, Pump, Waterous, 7 Year Parts, WA0382	1
552	0648675	Warranty, 10 Year S/S Pumbing, WA0035	1
553	0657990	Warranty, Foam System, Husky 3, WA0231	1
554	0006999	Warranty, Structure, 20 Year, Aerial Device, WA0052	1
555	0687388	Warranty, Swivels, 5 Year, Aerial Device, WA0197	1
556	0685727	Warranty, Hydraulic System and Components, 3 Year/5 Year, WA0200	1
557	0687327	Warranty, Waterway, 10 Year, Aerial Device, WA0198	1
558	0595860	Warranty, Paint, 4 Year, Aerial Device, Pro-Rated, WA0047	1
559	0553455	Warranty, Electronics, 5 Year, MUX, WA0014	1
560	0595820	Warranty, Paint, 10 Year, Body, Pro-Rate, WA0057	1
561	0595412	Warranty, Graphics Lamination, 1 Year, Apparatus, WA0168	1
562	0683627	Certification, Vehicle Stability, CD0156	1
563	0736236	Certification, Engine Installation, Velocity, Cummins X15, 2021	1
564	0686786	Certification, Power Steering, CD0098	1
565	0667417	Certification, Cab Integrity, Velocity FR, CD0009	1
566	0548950	Certification, Cab Door Durability, Velocity/Impel, CD0001	1
567	0548967	Certification, Windshield Wiper Durability, Impel/Velocity, CD0005	1
568	0667411	Certification, Electric Window Durability, Velocity/Impel FR, CD0004	1
569	0549273	Certification, Seat Belt Anchors and Mounting, Imp/Vel/Vel SLT, CD0018	1
570	0735950	Certification, Cab HVAC System Perf, Vel/Imp FR, CD0166/CD0168/CD0176/CD0177	1
571	0545073	Amp Draw Report, NFPA Current Edition	1
572	0002758	Amp Draw, NFPA/ULC Radio Allowance	1
573	0799248	Appleton/Florida BTO	1
574	0000033	PAP BODY	1
575	0000012	PIERCE CHASSIS	1
576	0004713	ENGINE, OTHER	1
577	0046396	EVS 4000 Series TRANSMISSION	1
578	0020011	WATEROUS PUMP	1
579	0020009	POLY TANK	1
580	0028048	FOAM SYSTEM	1
581	0020006	SIDE CONTROL	1
582	0020007	AKRON VALVES	1
583	0020015	ABS SYSTEM	1
584	0755454	AERIAL MEDIUM	1



March 22, 2022

Chief Dan Fuller
West Fargo Fire Department
106 1st Street
West Fargo, ND 58078

Subject: **Proposal for one (1) Pierce Velocity 100' Platform
Proposal / Bid 990**

Dear Chief Fuller,

With regard to the above subject, please find attached our completed proposal.

Pricing Summary:

Sale Price – **\$1,682,547.00***
**Sourcewell Consortium Pricing, Member ID #192852.*

100% Performance Bond:

Should the West Fargo Fire Department elect to have us provide a Performance Bond, \$3,887.00 will need to be added to the above price.

Terms and Conditions:

Taxes – Not Applicable
Freight – F.O.B. – Appleton, WI / Shipping to West Fargo, ND
Terms – Net due prior to vehicle(s) release at the Pierce Manufacturing Plant (Appleton, WI).
Delivery – 21.5-23.5 months from receipt and acceptance of contract.



PERFORM LIKE NO OTHER

MINNESOTA ILLINOIS INDIANA MISSOURI NEBRASKA NORTH DAKOTA SOUTH DAKOTA

Said apparatus and equipment are to be built and shipped in accordance with the specifications hereto attached, delays due to strikes, war, or international conflicts, or other causes beyond our control not preventing, could alter the delivery schedule.

The specifications herein contained, shall form a part of the final contract, and are subject to changes as desired by the purchaser, provided such changes are acknowledged and agreed to in writing by the purchaser.

This proposal for fire apparatus conforms with all Federal Department of Transportation (DOT) rules and regulations in effect at the time of bid, and with all National Fire Protection Association (NFPA) Guidelines for Automotive Fire Apparatus as published at the time of bid, except as modified by customer specifications.

The attached proposal is valid for thirty (30) days.

We trust the above and the enclosed to be full and complete at this time; however, should you have any questions or require additional information, please do not hesitate to contact me at 612-710-4068 or dale.trettel@macqueengroup.com.

We wish to thank the West Fargo Fire Department for the opportunity to submit our proposal.

Respectfully,

Dale Trettel

Dale Trettel
Apparatus Sales
MacQueen Equipment LLC
DBA MacQueen Emergency Group

**WEST FARGO FIRE DEPARTMENT
NEW HEADQUARTERS**

OWNER: WEST FARGO FIRE DEPARTMENT
CONSTRUCTION MGR.: KRAUS-ANDERSON® CONSTRUCTION COMPANY
ARCHITECT: EAPC

04-A Masonry Package

	BIDDER	BIDDER	BIDDER	BIDDER	BIDDER
	Mortenson Masonry				
ADDENDA REC'D.	1-4				
BID SECURITY	X				
CONTRACTORS LICENSE	X				
BASE BID	\$1,792,515.00				
	Includes Fluid Applied Air Barrier				
Alt #1 - Add P&P Bond	Included in Base Bid				
Alt #2 - Standard Grey CMU in lieu of Burnished Block	(\$148,600.00)				
Unit Price #1					
Unit Price #2					
Unit Price #3					
Unit Price #4					



WEST FARGO POLICE DEPARTMENT

ANNUAL REPORT

2021

IN MEMORIAM

The West Fargo Police Department would like to dedicate this year's annual report to the memory of Lieutenant Adam Gustafson. Lieutenant Gustafson was a part of the West Fargo Police Department family since March 2009.

During his time with the department, Lieutenant Gustafson moved up the ranks, from his starting role as an Officer to a Sergeant, and most recently was promoted to a Lieutenant in January 2018.

Lieutenant Gustafson died on Tuesday, May 18, 2021, from a heart attack while at the police station.

Lieutenant Adam Gustafson's life will not be remembered by how he died, but by how he lived.

"Lieutenant Gustafson has made a lasting impact within our department and he will never be forgotten," said Chief of Police Denis Otterness.



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INTRODUCTION BY CHIEF OTTERNESS



Commission President Dardis,

I am proud to present the West Fargo Police Department's 2021 Annual Report. West Fargo has continued to experience significant growth; however, I am pleased to report that the overall crime rate decreased again in 2021. It is important to note that while the City did experience a slight increase in Crimes Against Persons, we remain significantly below the reported six-year average. In addition, both Property Crimes and Drug-related crimes saw a decrease in 2021.

In 2021, our community and department experienced two tragedies with the loss of Lieutenant Adam Gustafson and Officer Tim Brown's medical emergency. I am grateful to our community and City Commission for the unwavering support during these trying incidents. I am proud of the resilience our staff has shown through these sudden and unexpected events.

The department continues to evolve and reach the needs of our residents in a variety of ways. Our community outreach efforts demonstrate our commitment to working with our residents, businesses, visitors and community partners.

Our department of 69 officers and 13 civilian staff are a dedicated team of caring and compassionate leaders who share a common goal to honorably protect and serve the West Fargo community. In 2021, our sworn law enforcement officers completed a total of 4,477 training hours. Training topics included suicide awareness and prevention, ethics in law enforcement, de-escalation techniques, implicit and anti-bias training, and emotional/psychological disorder awareness.

We look forward to continuing to proudly, and professionally, serve our community in 2022. Again I want to thank the community and our City Commission for their continued support. This annual report highlights the work we have done in partnership with the community over the past year. The entire staff of the West Fargo Police Department look forward to continuing to partner together as one community, making West Fargo the best city to call home.

MISSION AND VALUES

MISSION

The West Fargo Police Department has the responsibility to protect life and safeguard property in a highly effective and efficient manner and to engage the community in a collaborative crime prevention program.

VISION

The West Fargo Police Department strives to be a highly trusted public service agency that all levels of the criminal justice system may use as a standard of law enforcement performance as a result of having developed and maintained a strong core of visionary leaders and exceptionally trained and motivated personnel.

INTEGRITY

HONESTY

TRUST

COMPETENCE

TEAMWORK

RESPECT

SERVICE

BALANCE

YEARLY CRIME STATISTICS

CRIMES AGAINST PERSONS	2015	2016	2017	2018	2019	2020	2021
HOMICIDE	3	1	0	2	0	0	1
SEX CRIMES	29	33	43	56	39	35	44
FELONIOUS RESTRAINT/KIDNAPPING	6	4	9	5	5	11	6
PORNOGRAPHY	6	9	20	8	14	11	15
ROBBERY	5	7	6	3	5	5	5
AGGRAVATED ASSAULT	39	35	36	57	43	40	48
SIMPLE ASSAULT/INTIMIDATION	274	275	249	262	240	259	305
STALKING	5	7	5	29	3	4	3
WEAPON LAW VIOLATIONS	25	38	30	112	29	32	22
MISSING PERSONS/RUNAWAY	96	126	133	100	112	82	110
SUICIDE (ATTEMPTED,COMPLETED)	126	42	47	59	45	48	49
SUICIDE THREAT	55	57	56	85	49	65	66
UNATTENDED DEATH	23	13	20	17	28	21	37
OTHER PERSONAL CRIMES	1073	1156	947	800	810	651	603
SUBTOTAL	1674	1803	1601	1483	1422	1264	1314

PROPERTY CRIMES	2015	2016	2017	2018	2019	2020	2021
BURGLARY/THEFT FROM BUILDING	154	146	90	122	123	183	142
SHOPLIFTING	44	55	70	93	160	177	77
MOTOR VEHICLE THEFT	39	51	45	35	54	64	54
ALL OTHER THEFT	339	341	396	424	383	430	456
COUNTERFEITING	118	115	113	128	146	143	125
IDENTITY THEFT	70	48	54	42	41	57	59
VANDALISM	179	141	135	124	121	142	129
OTHER PROPERTY CRIMES	296	358	316	362	403	356	356
SUBTOTAL	1239	1255	1219	1330	1431	1552	1395

DRUG CRIMES	2015	2016	2017	2018	2019	2020	2021
DRUG/NARCOTIC VIOLATIONS	221	329	355	354	373	346	261
DRUG EQUIPMENT VIOLATIONS	221	313	351	338	325	307	222
LIQUOR LAW VIOLATIONS	112	109	77	94	68	78	73
SUBTOTAL	554	751	783	786	766	731	556

CRIME TOTAL	3467	3809	3603	3599	3619	3547	3265
--------------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------

2021 COMMAND STAFF



CHIEF OF POLICE
DENIS OTTERNESS



**ASSISTANT
CHIEF OF
POLICE**
PETE NIELSEN



**BUSINESS
MANAGER**
CHRIS
DAVIDSON

PATROL
DIVISION

INVESTIGATIONS
DIVISION

ADMINISTRATIVE
DIVISION



LIEUTENANT
ADAM GUSTAFSON



LIEUTENANT
JASON DURA



LIEUTENANT
GREGORY WARREN



LIEUTENANT
JASON ANDERSON



SERGEANT
PATRICK HANSON



SERGEANT
TERRY STYF



SERGEANT
OPEN



SERGEANT
RANDY BURKHARTSMEIER



SERGEANT
KYLE JOHNSON



SERGEANT
RYAN HASKELL



SERGEANT
CODY BELKE



SERGEANT-COPS UNIT
DEREK CRUFF



SERGEANT-NARCOTICS
SHANE ORN



SERGEANT-INVESTIGATIONS
TIMOTHY RUNCORN



SERGEANT-TRAINING UNIT
TYLER WILLIAMS



OFFICE SUPERVISOR
TRACY HAUGEN

DEPARTMENT WIDE TOTALS

68
OFFICERS

13
CIVILIAN STAFF

NEW HIRES



WESLEY BOOTH,
PATROL OFFICER



CHARLES SWIGGUM,
PATROL OFFICER



KOHL MATTSON,
PATROL OFFICER



PATRICK THOMAS,
PATROL OFFICER

COMPLETED PROBATIONARY PERIOD



TIMOTHY BROWN,
PATROL OFFICER



BRETT COFFIELD,
PATROL OFFICER

2021 AWARD RECIPIENTS

2021 Employees of the Quarter



KYLE HINRICHS,
OFFICER



NICK GOMEZ,
POLICE SUPPORT
SPECIALIST



TYLER WILLIAMS,
TRAINING SERGEANT



SARI SUPLER,
EVIDENCE
TECHNICIAN

2021 Luther Family Ford Salute to Law Enforcement



ABBY DUSEK,
PATROL OFFICER



DEREK WERNER,
DETECTIVE

2021 AWARD RECIPIENTS

2021 Employee of the Year



BEN NECHIPORENKO,
SERGEANT

2021 Chief's Medal



ADAM GUSTAFSON,
LIEUTENANT

Commendable Service Award

- Matthew Oldham

Life Saving Award

- Grant Richardson
- Joe Solberg

Civilian Service Commendation Medal

- Annie Burthold

Excellence in Leadership Medal

- Tim Runcorn

NDDOT Beyond the Traffic Stop

- Matthew Oldham
- David Todd

ND Drug Recognition Expert of the Year

- Ryan Haskell

Citizen's Recognition Award

- Jeff Randall

Letter of Recognition

- | | |
|-------------------|------------------|
| • Abby Dusek | • Brett Young |
| • David Saari | • Robert Mueller |
| • Dylan Anthony | • Matt Oldham |
| • Kyle Johnson | • Arnold Nelson |
| • Adam Sufficool | • Jacob Zach |
| • Bobbi Jo Nobles | |

SERVICE MILESTONES



JOE BIRRENKOTT,
40 YEARS OF SERVICE



JASON DURA,
25 YEARS OF SERVICE



MARGY LARSON,
20 YEARS OF SERVICE



DEREK CRUFF,
20 YEARS OF SERVICE



TIM RUNCORN,
20 YEARS OF SERVICE



TRENT STANTON,
15 YEARS OF SERVICE



PAT HANSON,
15 YEARS OF SERVICE



JOE SOLBERG,
5 YEARS OF SERVICE



AUSTIN BAGLEY,
5 YEARS OF SERVICE



ANNIE BURTHOLD,
5 YEARS OF SERVICE



TAYLOR MELTING,
5 YEARS OF SERVICE



KATIE BLUE,
5 YEARS OF SERVICE

DEPARTMENT VOLUNTEERS

1,075
TOTAL
VOLUNTEER HOURS

In 2021, our department volunteers donated an incredible 1,075 hours of their time. Our volunteers assist with tasks ranging from vehicle maintenance to transporting paperwork to the Cass County State's Attorney's Office.

Our Police Chaplains assist the residents of West Fargo and West Fargo Police Department Officers during traumatic events. The department is fortunate to have nationally recognized Chaplains serving them. Tami Crist joined the team at the beginning of the year.

The department also has numerous volunteers that assist with the Cadets program by arranging meetings, taking photos and more. The Cadets program is made possible with the help of these volunteers.

Thank you to all of our volunteers for their dedication and service throughout 2021!



VERN BAARDSON,
CHAPLAIN



CASEY BAARDSON,
CHAPLAIN



TAMI CRIST,
CHAPLAIN



CHAD RICE,
VOLUNTEER POLICE
CADETS MENTOR



SHAWN O'DONNELL,
VOLUNTEER POLICE
CADETS MENTOR



RON BABB,
DEPARTMENT
VOLUNTEER



CARL GLANDER,
DEPARTMENT
VOLUNTEER



RICHARD LOGAN,
DEPARTMENT
VOLUNTEER

VOLUNTEER SERVICE AWARD

Vern Baardson was awarded the President of the United States' Bronze Volunteer Service Award for his commitment to strengthening our nation and communities. He volunteered a total of 147 hours in one year to provide support for the department in times of crisis.

As a part of this award, Chaplain Baardson received a letter and medal from President Joe Biden.



POLICE CADETS



Through the West Fargo Police Cadets, students ages 14-21 learn about a career in law enforcement through hands-on training, competition, community engagement, volunteer work and more. Students gain experience in many facets of law enforcement while learning skills such as problem solving and effective communication.

In 2021, the decision was made to transfer the program from an Explorer Post to a Public Safety Cadet Unit. This change brought about terminology changes - Explorers became Cadets, Post became a Unit, and Advisors became Mentors.

The Cadets continued their summer event duties by working Cruise Nights, Night to Unite, and West Fest. In addition to the summer events, the Unit also conducted bike patrol training and took a ride through West Fargo.

In August, the Cadets attended the NDLEYA's annual Summer Leadership Academy at Camp Grafton. This event brought together Cadets and Explorers from around the region. Training focused on team and confidence building as well as responding to various law enforcement related scenarios. The Cadets were also surprised by a visit from Governor Doug Burgum.

17

CADETS

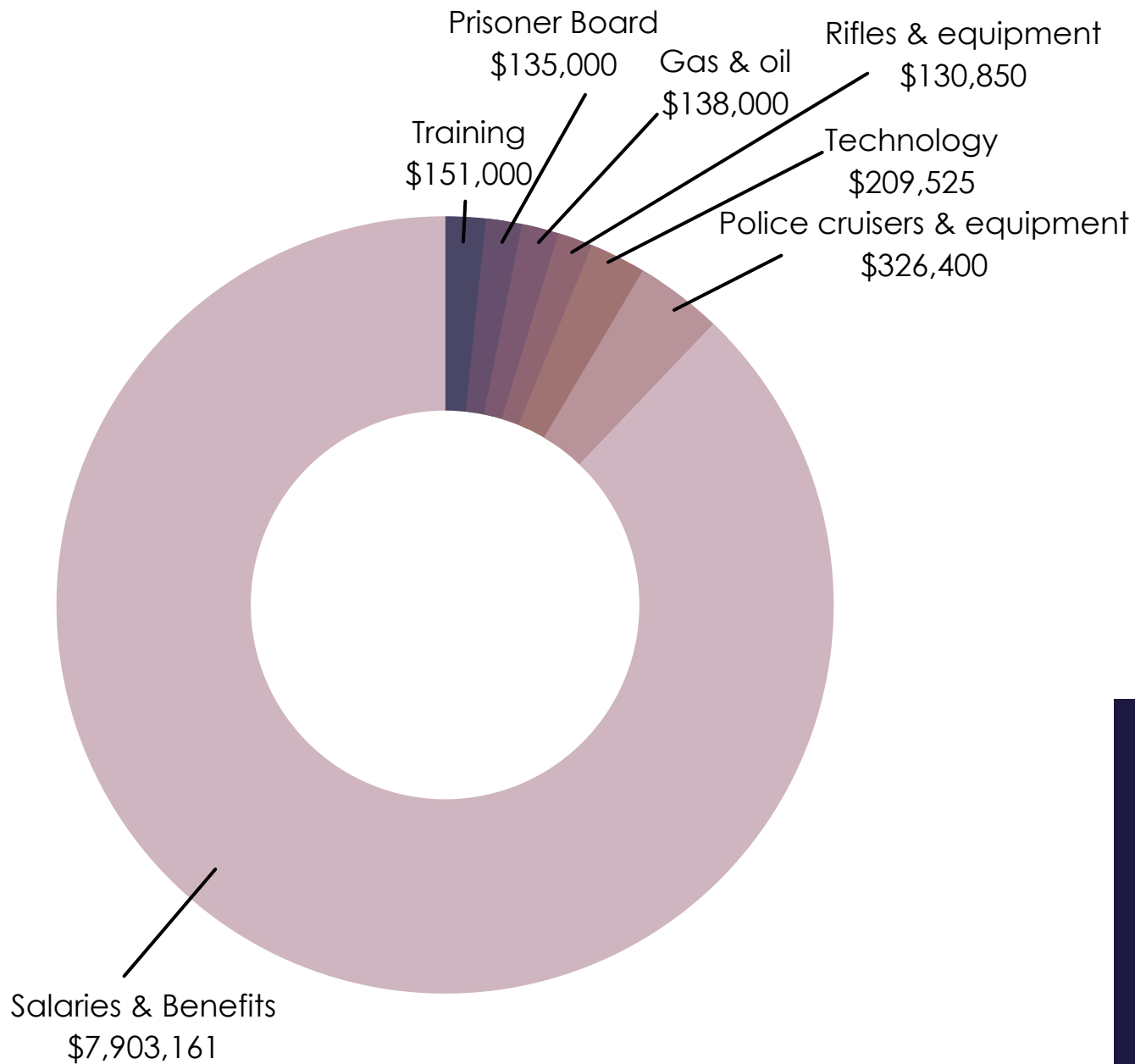
173

HOURS OF
COMMUNITY SERVICE

241

HOURS OF LAW
ENFORCEMENT SERVICE





\$9,498,034
TOTAL BUDGET

2021 BUDGET

BOMB & SWAT

RED RIVER REGIONAL BOMB SQUAD

The Red River Regional Bomb Squad is a multi-jurisdictional team that assists local law enforcement agencies in the education, location and disposal of all energetic materials. The Bomb Squad is often utilized with the tactical unit and negotiations unit on large-scale events with a potential for dangerous materials or explosives. The Bomb Squad uses different types of technology to assist other units including bomb robots, which are capable of sending real-time video and audio.

RED RIVER VALLEY SWAT TEAM

The Red River Valley SWAT Team is comprised of members from all local metropolitan agencies. The department has two officers on the team and two Sergeants, who serve as team leaders. In 2021, the Red River Valley SWAT Team was deployed 14 times for various high risk search warrants, barricaded subject calls, and other high profile security details. The team trains monthly for high-risk operations such as warrants, hostage rescue, barricaded subjects and active shooter incidents.

BOMB SQUAD CALLS	2021
IED	1
CHEMICAL CALLS	2
SUSPICIOUS PACKAGES	4
EXPLOSIVE RECOVERY	7
AMMUNITION RECOVERY	6
OTHER	1
TOTAL RESPONSES	21



PATROL DIVISION

503,350
TOTAL MILES
DRIVEN

The Patrol Division officers respond to major and minor crimes and assist on medical calls. Calls for service range from providing directions to responding to major incidents involving serious injury or death.

Within the division, the officers take on extra responsibilities beyond basic patrol duties. These responsibilities can include:

- Alcohol compliance checks
- Bike patrol unit
- Bomb squad
- Defense tactics
- Drug recognition
- Peer Support Team
- Community Service Officer Program
- Police Cadets
- Field training
- Honor Guard
- Internet safety
- Negotiations
- SWAT Team

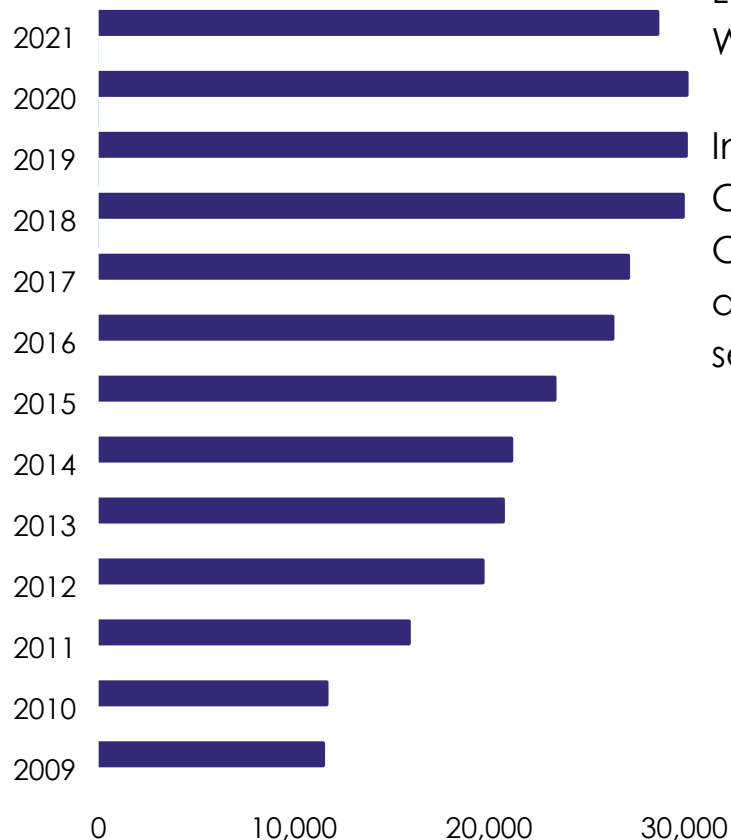


41,545
GALLONS OF
GAS USED

PATROL DIVISION

28,660
CALLS FOR
SERVICE

TOTAL CALLS FOR SERVICE



The Patrol Division consists of two Patrol Lieutenants, nine Patrol Sergeants, 29 Patrol Officers, a Traffic Enforcement Officer and three part-time Community Service Officers. Six new Patrol Officers were hired and trained to fill department vacancies.

The Patrol Division also faced several difficult incidents this year. While returning from the shooting range in May, Patrol Lieutenant Adam Gustafson suffered a major heart attack and passed away while on shift. Lt. Gustafson was a great friend and co-worker to many throughout the West Fargo Police Department and greater community.

In October, Officer Timothy Brown was taking two individuals to the Cass County Jail when he suffered a major heart attack while booking them in. Officer Brown was quickly attended to by Cass County Jail staff and additional first responders. He was rushed to the hospital, where he spent several weeks, making a miraculous recovery.



Lieutenant Jason Dura

TRAFFIC & PATROL STATISTICS



TRAFFIC STATS		2015	2016	2017	2018	2019	2020	2021
	DUI	174	187	160	240	163	153	117
	DUI REFUSALS	36	36	46	46	36	46	35
	DRIVING UNDER SUSPENSION	334	424	538	754	517	255	244
	SUBTOTAL	544	647	744	1040	716	454	396
PATROL STATS		2015	2016	2017	2018	2019	2020	2021
	CITATIONS ISSUED	5560	5880	5459	6966	4570	5201	4582
	ARRESTS	1577	1883	1920	1960	1648	1180	1205
	ACCIDENTS	811	963	930	986	1122	746	907
	SUBTOTAL	7948	8726	8309	9912	7340	7127	6694
	TOTAL	8492	9373	9053	10952	8056	7581	7090

COMMUNITY SERVICE OFFICERS

3

NEW PART-TIME
POSITIONS
CREATED

In 2021, the Community Service Officer (CSO) position changed to a part-time position. This change adapted the position to help criminal justice students start learning the basics of law enforcement. The goal of the CSO program is to help recruit and retain quality candidates to become officers for the West Fargo Police Department.

The CSOs respond to calls for service, such as vehicle unlocks, animal calls, and parking complaints. The CSOs also work directly with the Fleet Manager for vehicle maintenance and deliveries to other government agencies.

K9 UNIT

K9 BREWTUS

Handler: Officer Brock Ackerman
Breed: German Shepherd
Age: 5 years old



K9 MACHO

Handler: Asst. Chief Pete Nielsen
Breed: German Shepherd
Age: 5 years old



K9 TOSTI

Handler: Officer Ben Orr
Breed: Dutch Shepherd
Age: 8 years old



200+
DEPLOYMENTS

ADMINISTRATIVE DIVISION

1,045
FINGERPRINTS
RECORDED

The Administration Division includes a Lieutenant, training Sergeant, and a number of civilian employees who perform essential tasks for the department. These civilian employees include four police Record Specialists, two Transcription Specialists, a Business Manager and an Officer Supervisor.



LIEUTENANT JASON ANDERSON

Lieutenant Anderson is in charge of the departments fleet, equipment and building issues. He is also head of the training unit and internal affairs, which handles all complaints, both externally and internally.

BUSINESS MANAGER

The Business Manager performs accounting, administrative and clerical operations. This position is responsible for the collection of information for budget requests, tracking of purchases and reporting budget item statuses. The Business Manager also serves as the administrative assistant to the Chief.

POLICE RECORDS SPECIALIST

The two police Records Specialists are tasked with conducting criminal background checks, routing reports to various agencies and responding to various open records requests. These individuals determine what information can be released from records in accordance with North Dakota Open Records Law.

OFFICER SUPERVISOR

The Office Supervisor is responsible for approving task guidelines, schedules, staff reviews and the supervision and training of Support Specialists. The Office Supervisor serves as the National Crime Information Center (NCIC) validation officer who is responsible for verifying the accuracy of police records in NCIC.

TRANSCRIPTION SPECIALISTS

The two Transcription Specialists work to transcribe digital reports and interviews. They prepare correspondence, proofread, edit, file, and input data.

POLICE SUPPORT SPECIALIST

Police Support Specialist are entrusted with customer service for the department. These four individuals assist the public on the phone and in person with bike licensing, pet licensing, ticket payments, finger printing, Vacation House Watch requests, offender registrations, State Teletype System updates and more during lobby hours.

INTERNAL AFFAIRS	EXONERATED	SUSTAINED	UNFOUNDED	TOTAL
EXTERNAL	3	0	0	3
INTERNAL	0	4	0	4
TOTAL	3	4	0	7

TRAINING AND SPECIAL PROGRAMS

Sworn staff received 4,477 hours of Police Officers Standards and Training (POST) accredited training.

Every three years officers are required to complete 60 hours of continuing education training to maintain their license. A variety of training organizations were brought to the West Fargo Police Department to cover topics such as drug interdiction, police K9, legislative review, SRO basics, FTO training and interview techniques.

4,477

TOTAL TRAINING HOURS

CRIME FREE MULTI-HOUSING PROGRAM

The West Fargo Crime Free Multi-Housing Program offers training for West Fargo rental property management and staff. After training, the Crime Free Multi-Housing coordinator notifies the trained management when tenants or visitors commit certain offenses on the property. The department also assists the rental property management with background check.

1,508

HOUSING INCIDENT REPORTS

221

RECORD CHECKS

SEX OFFENDER COMPLIANCE TEAM

The West Fargo Police Department Sex Offender Compliance Team was created in 2021. The team monitors offenders living and/or working in West Fargo, as well as identify unregistered offenders and complete investigations for crimes including Failure to Register as a Sex Offender.

The team consists of three Patrol Officers, one Patrol Sergeant, one Investigations Lieutenant, and one Support Specialist. The team currently monitors approximately 46 registered offenders.

INTERNET CRIMES AGAINST CHILDREN

In West Fargo, it is a priority to keep youth safe from online predators. In 2021, the department received four Internet Crimes Against Children cyber tips. From these tips, the department went on to produce two workable cases.

Cyber tips include:

- possession or distribution of child pornography
- luring a minor by computer

INVESTIGATIONS DIVISION



LIEUTENANT GREG WARREN

Lieutenant Greg Warren leads the West Fargo Police Department Investigations Division. The division consists of three Sergeants, five Detectives, a Crime Free Multi-Housing Coordinator and an Evidence Technician.

Detectives assigned to the Investigations Division also work as members of the Cass County Drug Task Force, the Metro-Area Street Crimes Unit and the Drug Enforcement Administration Task Force. Officers assigned to these task forces focus on narcotics, human trafficking, and gangs in the metro.

The Investigations Division houses the COPS Unit and manages special programs such as the Offender Registration and Crime Free Multi-Housing Program.

584

INVESTIGATION CASES ASSIGNED

920

INVESTIGATION CASES REVIEWED

62%

TIP TUESDAY IDENTIFICATION CLOSURE RATE

DRUG & EVIDENCE PROCESSING



SARI SUPLER, EVIDENCE TECHNICIAN

Sari Supler is the Evidence Technician. Supler conducts, audits and maintains the flow of evidence. Supler is responsible for proper handling of items and processes evidence. In 2021, the evidence processing department took in 1,732 pieces of evidence.

1,732

TOTAL PIECES OF EVIDENCE TAKEN IN

CASS COUNTY DRUG TASK FORCE STATISTICS	SEIZURES
METH	10,074 grams
HEROIN	695 grams
MARIJUANA	9,654 grams
MARIJUANA DOSAGE UNITS	651 units
MARIJUANA PLANTS	116 plants
MARIJUANA WAX	2,367 grams
FENTANYL	2,231 pills
COCAINE	88 grams
CURRENCY	\$25,605
FIREARMS	12 firearms

WEST FARGO POLICE DEPARTMENT STATISTICS	SEIZURES
METH	202.7 grams
HEROIN	7.22 grams
MARIJUANA	2,721.07 grams
FENTANYL	55.5 pills
MUSHROOMS	91.51 grams
CURRENCY	\$21,675.56

*All grams are estimates and do not include any liquid form of the drugs listed.

METRO-AREA STREET CRIMES UNIT

115
TOTAL GANG
ARRESTS

The West Fargo Police Department participates in the Fargo-Moorhead Metro-Area Street Crimes Unit. This unit is comprised of officers and deputies from the Cass County Sheriff's Office, Clay County Sheriff's Office, West Fargo Police Department, Fargo Police Department and Moorhead Police Department. This unit works to identify, track, and apprehend gang members and their associates. In 2021, the unit made 115 total arrests, only 7 were confirmed gang members or known associates. The unit also seized thousands of grams of street drugs from methamphetamine to marijuana. In 2021, the unit conducted 15 search warrants for vehicle gps tracking, residential buildings, DNA, phones and for persons of interest. Detectives assigned to the Street Crimes Unit are also deputized members of the U.S. Marshal's High Plains Fugitive Task Force.

For most of 2021, the Metro Area Street Crimes Unit was understaffed due to changes in Minnesota use of force laws and staffing issues through the police organizations that contribute personnel to the unit.

YEAR END TOTALS

GANG ARRESTS	7
NON-GANG ARRESTS	108
ASSIST ARRESTS	15
STREET CRIMES WRITTEN SEARCH WARRANTS	15
TRACKING WARRANTS	19
ASSIST OTHER AGENCIES	16
NON-CRIMINAL CITATIONS	0
METH SEIZURES	17.8
MARIJUANA SEIZURES	1,940.84
COCAINE SEIZURES	7.7
PILL SEIZURES	757

HEROIN SEIZURES	0
HARD DRUG PARAPHERNALIA SEIZURES	69
MISDEMEANOR PARAPHERNALIA SEIZURES	7
CASH SEIZURES	59,179.75
GUN/DANGEROUS WEAPON SEIZURES	8
VEHICLE SEIZURES	1
GANG EDUCATIONAL PRESENTATION HOURS	2
CRIME REDUCTION DETAILS	6.5
TRAINING HOURS	163.5
UNCONFIRMED GANG CLASSIFICATION	2
GANG MEMBERS CONFIRMED/IDENTIFIED	4

COMMUNITY OUTREACH PROGRAMS AND SERVICES UNIT

The West Fargo Police Department's Community Outreach Programs and Services Unit (COPS Unit) was established in March 2021. The COPS Unit consists of a Community Engagement Officer, Cultural Liaison Officer, seven School Resource Officers and a Sergeant. The Community Engagement Officer was made possible through a grant. The COPS Unit implemented multiple new programs including Badges and Bobbers fishing program, Police in the Park, and Cops & Dobbers bingo.

This unit and these programs continue the department's efforts to recognize West Fargo's changing demographics and strengthen relationships with all members of the community.

"The goal of the unit is to enhance and build trust between the West Fargo Police Department and every resident in the community," said Chief Denis Otterness. "We are continuing to grow our department and find ways to interact with our residents, which is especially important given the increasing diversity of our community."



DEREK CRUFF,
COMMUNITY OUTREACH PROGRAMS
AND SERVICES SERGEANT



RHONDA JORGENSEN,
COMMUNITY ENGAGEMENT OFFICER



RYAN FELTMAN,
CULTURAL LIASON OFFICER

COMMUNITY OUTREACH PROGRAMS AND SERVICES UNIT



BADGES & BOBBERS



COFFEE WITH A COP AT
SANDY'S DONUTS



POLICE IN THE PARK



WINTER COLORING
CONTEST WINNERS



COPS & DOBBERS BINGO EVENT



GOLDEN DRIVE HOMELESSKIDS
SOCK DRIVE

BATTLE OF THE BADGES

The West Fargo Police Department participated in the third annual Battle of the Badges blood drive in partnership with Vitalant. Team Fire won this year's friendly competition with 76 units of donated blood compared to 72 units by Team Law.

72

UNITS OF DONATED BLOOD
FOR TEAM LAW

vs.

76

UNITS OF DONATED BLOOD
FOR TEAM FIRE





PINK PATCH PROJECT

The West Fargo Police Department started the Pink Patch Project in 2018. The pink patch was created and sold to the public for \$10 for breast cancer awareness. The money raised was donated to the Edith Sanford Breast Center.

In 2021, the Pink Patch Challenge Coin was designed. The coin was sold to the public for \$10. Over \$800 was donated to the Edith Sanford Breast Center.



COMMUNITY ENGAGEMENT OFFICER JORGENSEN

FIRST FEMALE IN NDSU BISON HISTORY TO LEAD THE
TEAM OUT OF THE LOCKER ROOM.

COMMUNITY EVENTS



Officers gave out popsicles during the summer at local parks.



The COPS Unit was honored to join special guests for Navy Week at the Little Red Reading Bus.



Amazon donated over \$3,000 worth of toys for local children in need.



SRO Pearson attended the Harwood Elementary School holiday concert.



The COPS Unit shared lunch with local seniors.



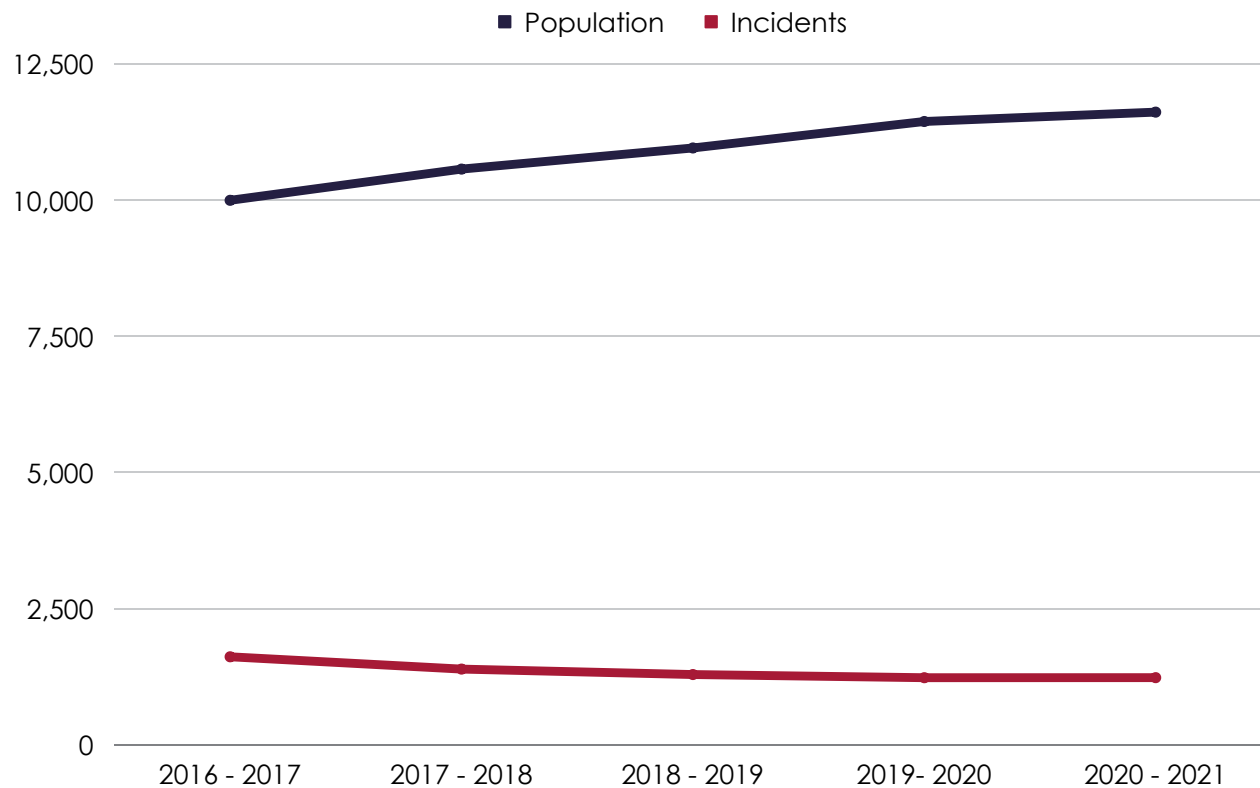
Officers participated in the annual Cops & Kids shopping event at Walmart.

SCHOOL RESOURCE OFFICERS

The role of a School Resource Officer (SRO) is threefold – educator, informal counselor and law enforcement officer. Each SRO is required to undergo training with the National Association of School Resource Officers. The West Fargo Police Department has partnered with West Fargo Public Schools for the SRO program since 2005. The team is made up of seven SROs.

The year was heavily affected by COVID-19. SROs saw many days of school without students present in the classroom.

DISTRICT SCHOOL TOTALS



7
SCHOOL
RESOURCE OFFICERS

21
SCHOOLS

MEET THE SROS



DEREK CRUFF

Sergeant,
Community Outreach Programs
and Services Unit



JASON BALVIK

School Resource Officer,
West Fargo High School



SYLVIE SCHWEYEN

School Resource Officer,
Horace Middle
and High Schools



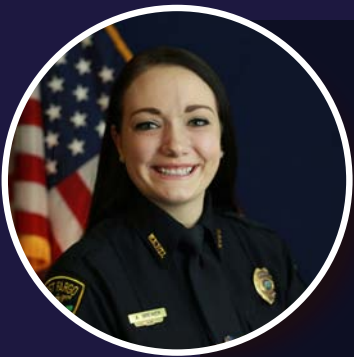
MARK MORRIS

School Resource Officer,
Sheyenne High School



TODD PEARSON

School Resource Officer,
Northside Elementary
Schools



ANNIE BREWER

School Resource Officer,
Liberty Middle School



DORA ROLL

School Resource Officer,
Southside Elementary
Schools



AARON OSTLUND

School Resource Officer,
Sheyenne High School



JARED JOHNSON

School Resource Officer,
Cheney Middle School



CULTURAL LIAISON PROGRAM

The Cultural Liaison Program is in its third year serving West Fargo residents. The program has continued several partnerships with the West Fargo Public School District and surrounding communities. The position continues to create, establish and build relationships between our Black, Indigenous and people of color communities throughout West Fargo.

SWIMMING LESSONS

The Cultural Liaison program offers swimming lessons (pictured above) to New American youth. This program teaches basic water survival skills to help prevent accidental drownings. The West Fargo Police Department also provides transportation to and from the pool.



OFFICER RYAN FELTMAN

Officer Ryan Feltman, is the Cultural Liaison Officer for the West Fargo Police Department. It is the third year he's served in this position.



THANK YOU

THANK YOU FOR TAKING THE TIME TO
REVIEW OUR 2021 HIGHLIGHTS.

WE LOOK FORWARD TO MANY GREAT
YEARS SERVING THE
WEST FARGO COMMUNITY.

.....

STAY INFORMED AND CONNECT WITH US ONLINE AT:
WESTFARGOPOLICE.COM



@WESTFARGOPOLICE





"Consent" or "Regular"
Agenda Item?
[Regular]

Commission President

Bernie Dardis

Primary Portfolio:

Administration/Finance

Secondary Portfolio:

Street, Water and
Sewer

**Commission
Vice President**

Brad Olson

Primary Portfolio:

Street, Water and
Sewer

Secondary Portfolio:

Sanitation

Commissioner

Eric Gjerdevig

Primary Portfolio:

Planning, Zoning and
Engineering

Secondary Portfolio:

Administration/Finance

Commissioner

Mark Simmons

Primary Portfolio:

Police and Fire

Secondary Portfolio:

Planning, Zoning and
Engineering

Commissioner

Mandy George

Primary Portfolio:

Sanitation

Secondary Portfolio:

Police and Fire

City Administrator

Tina Fisk

To: West Fargo City Commission

From: Dustin T. Scott, City Engineer

Date: April 18, 2022

Subject: 9th Street E and 10th Ave E – Signal Light

Action: Create Project 2263; Approve Engineer's Report; AND Authorized Plans and Specifications

New Information and Recommendation:

With the construction of a new fire station on 10th Ave E, a traffic signal is necessary at the intersection of 9th Street E and 10th Ave E to help improve response times and intersection function. An Engineer's Report outlining the project cost and scope is attached. Approval of Engineer's Report and authorization for preparation of plans and specifications will allow the consultant to complete plans for construction. Plans and a final cost estimate will be brought to Commission for approval before advertising bids.

The following documents are attached for review/consideration:

- Engineers Report
- Associated Resolutions

Staff Recommendation: Create Project 2263; Approve Engineer's Report; AND Direct Engineer to prepare Plans and Specifications

Background and Project Summary:

With the construction of the fire station just east of 9th Street E and 10th Ave E, emergency vehicles will be passing through this intersections several times a day. A recent traffic study shows that 10th Ave has peak hour breakdowns in traffic flow that could increase response times. Removing the existing stop control, adding a traffic signal and preemption system will alleviate the congestion at these times. The lead time for certain components can be up to 6 months, but we're hoping to have the project operating when the fire station opens in Spring 2023.

Policy Analysis:

This project will improve the overall safety of the intersection and allow for emergency preemption from the adjacent fire station. It will be designed by a consultant and bid by West Fargo following local, state and federal regulations. Once complete, West Fargo will operate and maintain the signal. Based on current traffic parameters, the traffic signal doesn't meet federal warrants. This affects grant eligibility along this corridor for future projects, but will be reevaluated if/when such funding is pursued.

Financial Analysis:

The total project costs are estimated to be \$375,000 and will be covered by Capital Improvement Sales Tax funds. This project was included in the draft 2022 CIP with a total project cost estimate of \$500,000.

Previously Presented Information and Commission Actions:

December 20, 2021 -

Traffic signal was included with presentation of Fire Station project where City Commission approved financing plan.



Dustin T. Scott, City Engineer
Jerry Wallace, Asst. City Engineer
Andrew Wrucke, Asst. City Engineer
Kayla Volness, Office Manager

Engineering Department
800 4th Ave E, West Fargo, ND
(701) 515-5100
westfargond.gov/Engineer

Engineer's Report

(Pursuant to N.D.C.C. 40-22-10)

Project No. 2263

Traffic Signal – 9th Street E and 10th Ave E

General Nature (Scope)

This project will install a full traffic signal system adjacent to West Fargo High School at the intersection of 9th Street E and 10th Ave E. Improvements will consist of the installation of a 4-way traffic signal system and connections into existing fiber and roadway networks. The project is being designed by Bolton and Menk according to city standards and specifications, and will be bid and administrated by the city of West Fargo. The signal will be maintained by West Fargo and will be integrated into the 9th Street E corridor timing.

Purpose

The City of West Fargo is building a new north side fire station just east of the intersection on 10th Ave E. This project will help with the current function of the intersection and allow for emergency vehicle preemption. This signal preemption is also employed at the south fire station on Sheyenne Street and 29th Ave E.

Feasibility

This project is feasible and will improve the safety and function of the intersection. The project will also allow for better response times at peak traffic for the fire station once complete. The project will be funded through Capital Improvement Sales Tax funds.

Estimate of Probable Cost

Construction		\$ 330,000
Bid Proposal Items	\$ 300,000	
Contingency (10%)	\$ 30,000	
Consultant (Design/Construction)		\$ 45,000
Legal		\$ 0
Administration		\$ 0
Land Acquisition		\$ 0
Utility Relocation		\$ 0
Bonding/Interest		\$ 0
Total Estimated Cost		\$ 375,000

Source of Funds

Special Assessments		\$ 0
City Funds		\$ 375,000
Capital Impr. Sales Tax	\$ 375,000	
Water/Sewer Revenue	\$ 0	
Water/Sewer Bond	\$ 0	
Total		\$ 375,000

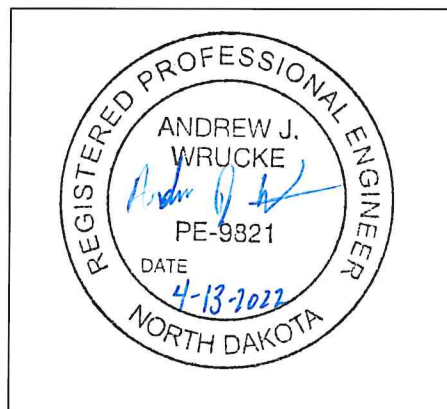
Supporting Documents (available upon request)

- A. Consultant's report
- B. Maps, Drawings, Etc.

The proposed improvements are cost effective and will adhere to city policies.



Andrew Wrucke, P.E.
ND Registration No. PE-9821



Commissioner _____ introduced the following resolution and moved its adoption:

RESOLUTION CREATING PROJECT NO. 2263 – NEW TRAFFIC CONTROL SYSTEM
AND INCIDENTALS OF THE CITY OF WEST FARGO, NORTH DAKOTA

WHEREAS, Dustin T. Scott, a Registered Professional Engineer, is the Engineer for the City of West Fargo, and the Board of City Commissioners has consulted with him relating to the establishment, size and form and other matters with regard to Project No. 2263 – New Traffic Control System and Incidentals of the City of West Fargo; and

WHEREAS, it is deemed necessary to establish a New Traffic Control System and Incidentals project within the said City of West Fargo;

NOW THEREFORE, be it resolved as follows:

That there is hereby created Project No. 2263 – New Traffic Control System and Incidentals of the City of West Fargo, North Dakota, and the project location shall be as shown on the attached map.

Dated: April 18, 2022

APPROVED:

President of Board of City Commissioners

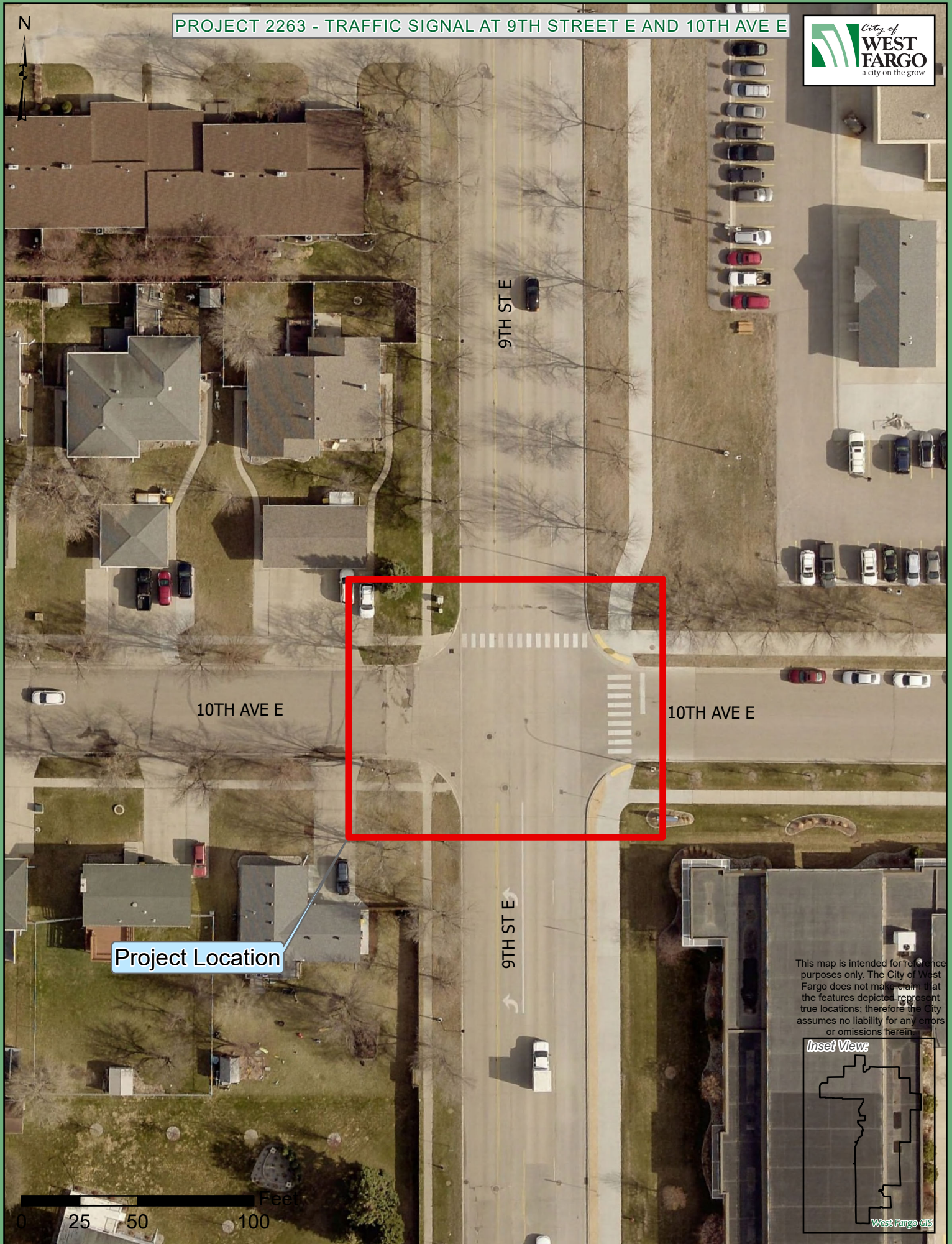
ATTEST:

City Auditor

The motion for the adoption of the foregoing resolution was duly seconded by Commissioner _____. On roll call vote the following commissioners voted aye: _____
_____. The following commissioners voted nay: _____. The following commissioners were absent and not voting: _____.
The majority having voted aye, the motion carried and the resolution was duly adopted.

N

PROJECT 2263 - TRAFFIC SIGNAL AT 9TH STREET E AND 10TH AVE E



Project Location

This map is intended for reference purposes only. The City of West Fargo does not make claim that the features depicted represent true locations; therefore the City assumes no liability for any errors or omissions herein.

Inset View



0 25 50 100 Feet

Commissioner _____ introduced the following resolution and moved its adoption:

RESOLUTION DIRECTING ENGINEER TO PREPARE REPORT

BE IT RESOLVED by the Board of City Commissioners of the City of West Fargo, deeming it necessary to make certain improvements consisting of a four way traffic signal system, connections into existing fiber and roadway networks necessary to service the intersection in connection with the above specified improvements, be constructed and made in Project No. 2263-New Traffic Control System and Incidentals of the City of West Fargo, the City hereby directs Dustin T. Scott, the Engineer for the City of West Fargo and being a competent engineer, to prepare a report as to the general nature, purpose and feasibility of the proposed project and an estimate of the probable cost of the work.

Dated: April 18, 2022

APPROVED:

President of Board of City Commissioners

ATTEST:

City Auditor

The motion for the adoption of the foregoing resolution was duly seconded by Commissioner _____. On roll call vote the following commissioners voted aye: _____. The following commissioners voted nay: _____. The following commissioners were absent and not voting: _____. The majority having voted aye, the motion carried and the resolution was duly adopted.

Commissioner _____ introduced the following resolution and moved its adoption:

RESOLUTION APPROVING ENGINEER'S REPORT

BE IT RESOLVED by the Board of City Commissioners of the City of West Fargo, North Dakota, that the report of the Engineer for the City of West Fargo as to the general nature, purpose and feasibility along with an estimate of the probable cost of the work has been filed with this Board and that the same is hereby approved for Project No. 2263 – New Traffic Control System and Incidentals.

Dated: April 18, 2022

APPROVED:

President of Board of City Commissioners

ATTEST:

City Auditor

The motion for the adoption of the foregoing resolution was duly seconded by Commissioner _____. Upon roll call vote being taken thereon, the following commissioners voted in favor thereof: _____. The following commissioners were absent and not voting: _____. The following commissioners voted nay: _____. The majority having voted aye, the motion was carried and the resolution was duly adopted.

Commissioner _____ introduced the following resolution and moved its adoption:

RESOLUTION DIRECTING ENGINEER
TO PREPARE PLANS AND SPECIFICATIONS

BE IT RESOLVED by the Board of City Commissioners of the City of West Fargo, deeming it necessary to make certain improvements consisting of a four way traffic signal system, connections into existing fiber and roadway networks necessary to service the intersection in connection with the above specified improvements, be constructed and made in Project No. 2263 –New Traffic Control System and Incidentals of the City of West Fargo, the City hereby directs Dustin T. Scott, the Engineer for the City of West Fargo and being a competent engineer, to prepare plans and specifications for such work.

Dated: April 18, 2022

APPROVED:

President of Board of City Commissioners

ATTEST:

City Auditor

The motion for the adoption of the foregoing resolution was duly seconded by Commissioner _____. Upon roll call vote being taken thereon, the following commissioners voted in favor thereof: _____. The following commissioners were absent and not voting: _____. The following commissioners voted nay: _____. The majority having voted aye, the motion was carried and the resolution was duly adopted.



"Consent" or "Regular"
Agenda Item?
[Regular]

Commission President

Bernie Dardis

Primary Portfolio:

Administration/Finance

Secondary Portfolio:

Street, Water and
Sewer

Commission

Vice President

Brad Olson

Primary Portfolio:

Street, Water and
Sewer

Secondary Portfolio:

Sanitation

Commissioner

Eric Gjerdevig

Primary Portfolio:

Planning, Zoning and
Engineering

Secondary Portfolio:

Administration/Finance

Commissioner

Mark Simmons

Primary Portfolio:

Police and Fire

Secondary Portfolio:

Planning, Zoning and
Engineering

Commissioner

Mandy George

Primary Portfolio:

Sanitation

Secondary Portfolio:

Police and Fire

City Administrator

Tina Fisk

To: West Fargo City Commission

From: Dustin T. Scott, City Engineer

Date: April 18, 2022

Subject: Project No. 2265 – 9th St NE (Main Ave to 12th Ave NE)

Action: Approve Task Order No. 3 with Houston Engineering for Project No. 2265

New Information and Recommendation:

In response to the RFP published on February 22, the city received (5) submittals from consulting teams to provide engineering services for Project No. 2265. As outlined in the RFP, a Selection Committee consisting of (3) department heads and (2) commissioners evaluated and ranked each submittal. Houston Engineering was identified as the best team for the project. The next step in the RFP process was to open and review their sealed cost proposal (*others were discarded*) for "Phase One – Scoping". The committee had no comment on the cost proposal and forwarded a recommendation to award a contract to Houston Engineering for services outlined under Phase One. Note, in accordance with the RFP, separate contracts for phases two and three will be established as the project progresses and specific scope of work is identified.

Since the city has an established Master Service Agreement with Houston Engineering, we requested a "task order" be prepared for these services.

The following documents are attached for review/consideration:

- Task Order No. 3 for services identified in the RFP as "Phase One – Scoping".

Staff Recommendation: Approve Task Order 3 to Houston Engineering for project 2265 – 9th Street NE Reconstruction

Background and Project Summary:

An extensive transportation study of the 9th Street corridor was conducted in 2019 through MetroCOG and the results were presented to city commissioners in March 2020. The study identified the reconstruction and urbanization of 9th Street NE from Main to 12th Ave was a high priority for the FM area. As directed by city commissioners, the City applied for grant funding through the NDDOT Urban Roads Program (URP) and was awarded \$7.52 million for FY 2025. For more on background and summary, refer to the agenda packets from prior city commission meetings listed below.

Policy Analysis:

We are working with NDDOT to ensure state and federal compliance and the project will also adhere to city policy, process and standards.

Financial Analysis:

The project is included in the CIP with a rough cost estimate of \$10.5 million. Funding sources are anticipated to be a combination of URP grant (\$7.52 million), capital improvement sales tax, and special assessments.

Previously Presented Information and Commission Actions:

Feb 22, 2022-

Authorize RFP to be published for project 2265.

- **Staff Recommendation:** Approve the RFP
- **City Commission Action:** Approved the RFP

Dec 7, 2020-

City Commission authorized grant application

TASK ORDER NO. 3

This is Task Order No. 3,
consisting of 4 pages.

In accordance with Paragraph 1.01, Main Agreement, of the Agreement Between Owner and Engineer for Professional Services—Task Order Edition dated **November 2, 2021**, Owner and Engineer agree as follows:

1. TASK ORDER DATA

a.	Effective Date of Task Order:	April 18, 2022
b.	Owner:	City of West Fargo
c.	Engineer:	Houston Engineering, Inc.
d.	Specific Project (title)	SU-8-992(045), PCN 23537, City Improvement District No. 2265. Reconstruction of 9th St. NE
e.	Specific Project (description):	Reconstruction of 9th St. NE from Main Ave. to 12th Ave.
f.	Related Task Orders Supplemented by this Task Order: Superseded by this Task Order:	

2. BASELINE INFORMATION

Baseline Information. Owner has furnished the following Specific Project information to Engineer as of the Effective Date of the Task Order. Engineer's scope of services has been developed based on this information. As the Specific Project moves forward, some of the information may change or be refined, and additional information will become known, resulting in the possible need to change, refine, or supplement the scope of services.

See Exhibit A for RFP Dated 2/22/22 for specific requirements related to services and project scope. Phase I is primarily designated for topographic survey and project scoping.

3. SERVICES OF ENGINEER ("SCOPE")

A. The specific Basic Services to be provided or furnished by Engineer under this Task Order are

Task Order.

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and American Society of Civil Engineers. All rights reserved.

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as follows: **scope of services is as detailed in Exhibit A. Defined scope of services for Phase II to be performed as part of this Task Order.**

- B. All the services included above comprise Basic Services for purposes of Engineer's compensation under this Task Order, with the exception of Resident Project Representative Services, if any, which are compensated separately.
- C. Resident Project Representative (RPR) Services:
 - 1. **Not applicable currently**
- D. Additional Services: Services not expressly set forth as Basic Services in Paragraph 3.A above, and necessary services listed as not requiring Owner's written authorization, or requiring additional effort in an immediate, expeditious, or accelerated manner as a result of unanticipated construction events or Specific Project conditions, are Additional Services, and will be compensated by the method indicated for Additional Services in this Task Order. All other Additional Services require mutual agreement and may be authorized by amending the Task Order as set forth in Paragraph 8.05.B.2 of the Main Agreement, with compensation for such other Additional Services as set forth in the amending instrument.

4. DELIVERABLES SCHEDULE

- A. In submitting required Documents and taking other related actions, Engineer and Owner will comply with Exhibit B to Task Order, attached to this specific Task Order.

5. ADDITIONS TO OWNER'S RESPONSIBILITIES

- A. Owner shall have those responsibilities set forth in Article 2 of the Main Agreement, and the following supplemental responsibilities that are specific to this Task Order: **None.**

6. TASK ORDER SCHEDULE

- A. In addition to any schedule provisions provided in Exhibit B or elsewhere, the parties shall meet the following schedule: **Schedule in Appendix B indicates overall schedule included in the proposal. Final schedule will be discussed as part of Phase I tasks.**

7. ENGINEER'S COMPENSATION

- A. The terms of payment are set forth in Article 4 of the Main Agreement.
- B. Owner shall pay Engineer for services rendered under this Task Order as follows:

See Exhibit D for Cost Proposal for Phase I services. Subsequent phase will be negotiated as additional Task Orders.

- C. Compensation items and totals based in whole or in part on Hourly Rates or Direct Labor are estimates only. Lump sum amounts and estimated totals included in the breakdown by phases incorporate Engineer's labor, overhead, profit, reimbursable expenses (if any), and

Task Order.

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Subconsultants' charges, if any. For lump sum items, Engineer may alter the distribution of compensation between individual phases (line items) to be consistent with services actually rendered but shall not exceed the total lump sum compensation amount unless approved in writing by the Owner.

8. ENGINEER'S PRIMARY SUBCONSULTANTS FOR TASK ORDER, AS OF THE EFFECTIVE DATE OF THE TASK ORDER:

- A. **Alta Planning + Design**
- B. **Flint Group**
- C. **Braun Intertec**

9. EXHIBITS AND ATTACHMENTS:

- A. Exhibit A to Task Order—Request for Proposals dated 2/22/2022
- B. Exhibit B to Task Order—Task Order Deliverables Schedule
- C. Exhibit C to Task Order – Reserved
- D. Exhibit D to Task Order— Cost Proposal Submitted 3/15/2022
- E. Exhibit E to Task Order- Reserved
- F. Other:

Task Order.

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Page 3 of 4

Execution of this Task Order by Owner and Engineer makes it subject to the terms and conditions of the Main Agreement and its exhibits and appendices, which Main Agreement, exhibits, and appendices are incorporated by this reference.

OWNER:

ENGINEER:

By:

By:

Print Name: Tina Fisk

Print Name: Jeremy McLaughlin

Title: City Administrator

Title: Sr. Project Manager & VP

Engineer's License or Firm's 015C
Certificate No. (if required):

State of: North Dakota

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Dustin Scott

Name: Jeremy McLaughlin

Title: City Engineer

Title: Sr. Project Manager & VP

Address: 800 Fourth Ave. East, Suite 1

Address: 1401 21st Avenue N

West Fargo, ND 58078

Fargo, ND 58102

E-Mail Address: Dustin.Scott@westfargond.gov

E-Mail Address: jmclaughlin@houstoneng.com

Phone: 701-515-5103

Phone: 701-237-5065

Date: 4/12/2022

Date: 4/12/2022

Task Order.

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EXHIBIT A



REQUEST FOR PROPOSALS FEBRUARY 22, 2022

TO PERFORM ENGINEERING SERVICES FOR:

SU-8-992(045), PCN 23537
City Improvement District No. 2265
Reconstruction of 9th Street NE (Main to 12th Ave)

PROPOSALS MUST BE DELIVERED TO THE CITY OF WEST FARGO
BY:
10:00 AM CENTRAL TIME ON MARCH 15, 2022

REQUEST FOR PROPOSAL

PROJECT OVERVIEW

The City of West Fargo is requesting proposals from qualified consultants to provide engineering services for the project below, which is included in the NDDOT's approved 2022-25 Urban Roads Program.

SU-8-992(045), PCN 23537

City Improvement District No. 2265

Reconstruction of 9th Street NE (Main to 12th Ave)

A complete RFP Package is available to download by clicking the "Business" tab followed by "Bid Opportunities" at the City's website: www.westfargond.gov.

SCOPE OF WORK

The City of West Fargo intends to execute one cost plus fixed fee contract with the selected firm to complete the Scoping Phase (Phase I of III). The City intends to assign work to the selected firm through negotiated contracts for each phase described below. Tasks and/or work hours may be added or removed from the contract by authorized changes or supplements to established agreements.

PROJECT DESCRIPTION AND LIMITS

This project consists of the reconstruction and urbanization of 9th Street NE between Main Ave East and 12th Ave East. Anticipated improvements include a three-lane section with center turn lanes, pedestrian facilities, lighting, RR crossing upgrades, stormwater/drainage and other city utility modifications. This project is tentatively scheduled to be **bid November 8, 2024** and constructed in 2025.

The consultant will be responsible for scoping (Phase I), preliminary engineering and environmental clearance (Phase II), as well as final design and ensuring all requirements are satisfied to meet the tentative bid date (Phase III). This is intended to include (but not limited to): preparation of construction plans, specifications, and bid documents; right-of-way acquisition; permitting; utility coordination; public outreach; etc.

Phase I – Scoping

Scoping Phase shall be limited to conducting review meetings, preliminary right-of-way review, preliminary environmental review and developing an approved scope of work and hours for Phase II. Preliminary right-of-way review will allow for consultant to determine work required to clean up existing right of way issues in the corridor. The selected firm shall plan on and organize a minimum of two (2) review meetings with designated city staff during the scoping phase. The firm will have 60 days to complete Phase I unless the scoping contract is amended otherwise. Pending approval of the scope of work and hours established with the scoping phase, the City may authorize the selected firm to perform Phase II and/or other work not already assigned.

Phase II – Preliminary Engineering and Environmental Documentation

This phase shall consist of all activities necessary to complete the environmental document as referenced in the NDDOT Local Government and Design Manuals. These activities include but are not limited to:

- Wetland delineation
- Cultural survey
- Preliminary topographic survey
- Preliminary roadway design

- Right-of-way activities
- Preliminary structure design
- Noise analysis
- Preliminary geotechnical studies
- Public involvement
- Utility coordination
- Railroad Coordination
- Traffic Operations Report
- Analyze option(s) identified in the corridor study and select a preferred alternative

Phase II will be considered complete upon receiving environmental clearance from the Federal Highway Administration (FHWA) and NDDOT.

Phase III – Final Design

Phase III shall include all activities necessary to complete final roadway construction plans. This section of roadway is proposed as a three-lane section with center turn lanes, upgraded railroad crossing and pedestrian facilities. These activities include but are not limited to:

- Final roadway design
- Final underground utility design
- Final structure design
- Final railroad crossing design
- Final right-of-way plats
- Final utility accommodations
- Right-of-way negotiation & acquisition
- Final engineers estimate
- Permits

Firms interested in performing the work must be qualified to perform roadway design. No proposal will be accepted from, nor will a subcontract be awarded to, any respondent who is in arrears to the City, upon any debt or contract; who is in default, as surety or otherwise, upon any obligation to the City; or who is deemed to be irresponsible or unreliable by the City. Project bid date for SU-8-992(045), PCN 23537 is 11/8/2024.

All design and project data will become the property of the City upon completion of the final submittal. All project information will be **generated** in the following formats and standards:

- MS Word and MS Excel
- AutoCAD (current version)
- NDDOT CADD Manual
- Microsoft "Project"
- NDDOT Design Manual and Plan Preparation Guide Website
- NDDOT Right of Way Manual
- Adobe Acrobat (standard or compatible)

As well as any required City of West Fargo standards.

City Provided Data for Phase I and Phase II

- Record plans of any past projects that the City has completed

- TIFF format digital imagery 0.5' pixel resolution
- Digital plat and parcel base maps
- Municipal infrastructure information - paving, underground utilities (sewer, water, and storm) street lights, etc.
- LiDAR/DEM to 1" = 100' National Map Accuracy Standards. 2020 captured.

A corridor study completed in 2020 is available on the city website at the same location the RFP is posted.

RFP SCHEDULE

Proposal Submission Date: March 15, 2022

Consultant Interviews (if necessary): Week of March 21, 2022

Consultant Selection: March 28, 2022

Consultant Negotiation/Notice to Proceed: April 4, 2022

SUBMISSION REQUIREMENTS

A qualified submittal shall include a cover letter, proposal (not to exceed 5 pages) and the appendices as listed below. The cover letter must be signed by an officer having the authority to sign contracts for the submitting firm. The officer's name, title and email address shall be printed below the signature line of the cover letter.

The proposal should effectively convey the submitters understanding, approach, and process for this project and how they're best suited to help the city achieve a successful project. Submittals will be discarded if the proposal section exceeds 5 pages (not including the cover letter and appendices).

Include the following appendices:

Appendix A

A schedule for the project. If accepted the schedule will be included as part of the contract.

Appendix B

A staffing plan identifying the key project personnel (including titles, education, and work experience) and the respective roles and responsibilities for the project.

Appendix C

Sub-consultants and associated activities to be completed by the sub-consultants.

Appendix D

Separate "sealed" cost proposal for scoping phase. Cost proposal for Phase II will be developed during scoping phase.

EVALUATION AND SELECTION PROCESS

Firms interested in performing the work must submit one electronic copy in PDF format. The electronic copy must be submitted prior to the date and time listed on the cover of this RFP. Submittals that are late and/or don't meet the instructions of this advertisement, will NOT be evaluated, and therefore returned to the submitter.

Submittals shall be addressed to:

Dustin T. Scott
City Engineer
800 4th Ave E, Suite 1
West Fargo, ND 58078
Dustin.Scott@westfargond.gov

The submittal must clearly identify the primary consulting firm and include the following label: **City of West Fargo RFP – Engineering Services for 9th Street NE Reconstruction**

Evaluation Criteria

The Selection Committee will evaluate and validate all qualifying proposals. The evaluation process will permit the Selection Committee to identify the submittal that best meets the needs of the City. If needed, interviews will be conducted to further evaluate firms. The City reserves the right to limit interviews to teams whose submittal most clearly meet the intent and requirements of this RFP. The evaluation will be based on the following weighted criteria:

- (40%) Project understanding, approach, and process
 - Identification of tasks, services necessary and deliverables
 - Work plan to streamline process and achieve success
- (15%) Past performance
- (15%) Ability of team and key personnel
- (15%) Recent, current and projected workloads of the persons and/or firms
- (15%) Related experience on similar projects

Selection Committee

The Selection Committee tentatively includes the following representatives:

Dustin Scott, City Engineer
Matt Andvik, Public Works Director
Aaron Nelson, City Planner
Brad Olson, City Commissioner with Streets Portfolio
Eric Gjerdevig, City Commissioner with Engineering/Planning

RIGHT OF REJECTION

The City of West Fargo reserves the right to accept any proposal submittal received, to reject any or all proposal submittals, in whole or in part, to waive irregularities and/or formalities as deemed appropriate, to request clarification of any proposal submittal, and to negotiate with the preferred firm to provide the requested services. If contract negotiations with the preferred firm are at an impasse as deemed by the City, the City reserves the right to contract subsequent firms to negotiate a contract to provide the requested services.

QUESTIONS AND ANSWERS

All questions related to this Request for Proposal must be submitted by email to Dustin Scott (Dustin.Scott@westfargond.gov). City staff will not be available to meet in person with individual firms to answer any questions that they may have. The question period shall expire 48 hours prior to the due date and time of the proposal.

The answers to questions will be compiled and posted on the same website used for downloading the RFP, either as an addendum, or as Project Q&A. Proposers shall bear the responsibility for checking the website for Project Q&A. Failure to do so may result in the Proposer not receiving all clarifications necessary to present a responsive Proposal.

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Project Schedule

EXHIBIT B

The following is a summary schedule of our proposed approach.

Scoping Phase		
Milestone	Start Date	End Date
Phase I: Scoping and Preliminary Environmental Review	4/4/22	5/20/2022
Phase II: Survey and Environmental Documentation	5/23/22	2/17/2023
Surveys	6/6/22	8/26/2022
Preliminary Design	8/8/22	11/25/2022
Right-of-Way	11/14/22	1/6/2023
Public Involvement	5/23/22	11/4/2022
Draft Documented Categorical Exclusion		12/23/22
Documented Categorical Exclusion		2/3/2023
Phase III: Design, Permitting, and Right-of-Way Acquisition	2/20/23	11/8/2024
Final Design	3/6/23	12/8/2023
Right-of-Way	4/17/23	3/15/2024
Private Utilities	7/24/23	2/16/2024
Permitting	6/14/24	7/26/2024
50% Plan Submittal		7/21/2023
90% Plan Submittal		7/26/2024
Final Submittal		8/23/2024
Project Completion		9/13/2024
Bid Letting		11/8/2024

EXHIBIT D

City of West Fargo

3.15.2022

Cost Proposal for the

Reconstruction of 9th Street Northeast (Main to 12th Avenue)

SU-8-992(045), PCN 23537

City Improvement District No 2265



 **HOUSTON**
engineering, inc.

in collaboration with

alta

 **FLINT GROUP**

BRAUN
INTERTEC



HEI's Trent Berg has already begun communicating with rail companies within the project corridor to gain their insight on what's needed for the railroad crossing.

Appendix D. Cost Proposal

Cost Proposal

The following table outlines our proposed costs for the tasks outlined in our approach.

Task 1: Project Scoping		Cost
Subtask 1.1: Project Administration		\$18,000
Coordinate All Project Activities		\$5,200
Review Meetings		\$9,400
Field Review		\$1,800
Meeting Minutes for Review Meetings		\$1,600
Subtask 1.2: Preliminary Right-of-Way Review		\$6,000
Gather Existing Right-of-Way Information		\$1,200
Review Existing Right-of-Way		\$4,800
Subtask 1.3: Preliminary Environmental Review		\$8,600
Review Existing Project Studies for Potential Environmental Impacts		\$6,700
Review Permitting Requirements		\$1,900
Subtask 1.4: Develop Scope and Fee for Phase II		\$14,400
Prepare Scope of Work and Fee		\$14,400
Total		\$47,000





To: West Fargo City Commission
From: Communication Director Melissa Richard
Date: Monday, April 18, 202
Subject: Request for economic development sales tax funds for
The Downtown Yards on Sheyenne district holiday decor
Action: Approve purchase sales tax funds

Commission President

Bernie Dardis

Primary Portfolio:
Administration/Finance

Secondary Portfolio:
Street, Water and Sewer

Commission Vice President

Brad Olson

Primary Portfolio:
Street, Water and Sewer

Secondary Portfolio:
Sanitation

Commissioner

Eric Gjerdevig

Primary Portfolio:
Planning, Zoning and
Engineering

Secondary Portfolio:
Administration/Finance

Commissioner

Mark Simmons

Primary Portfolio:
Police and Fire

Secondary Portfolio:
Planning, Zoning and
Engineering

Commissioner

Mandy George

Primary Portfolio:
Sanitation

Secondary Portfolio:
Police and Fire

Administration

Tina Fisk, Administrator

Summary and Recommendation:

Over the course of The Downtown Yards on Sheyenne's revitalization, the Street Division of the Public Works Department has collaborated with the Communication Department and West Fargo Events to replace holiday décor in the district. These efforts have included the installation of a massive POW/MIA Plaza Christmas tree, lighted towers, pole-mounted snowflakes and LED lights wrapped on 25 of the 52 street lights* along the corridor.

With the completion of the Sheyenne Street Urban Reconstruction project, an opportunity exists to continue adding decoration in the corridor to continue shaping The Downtown Yards as a holiday destination. This supports the goals of West Fargo 2.0 to establish downtown as a cultural center for West Fargo and grow the economy by providing attractions to draw visitors to the district and businesses located there.

Therefore, we are requesting \$61,258.40 in economic development sales tax funds for the purchase of:

- Lighted, pole mounted décor for the remaining street lights*
- LED lights to wrap the remaining street lights poles*
- Photo op lighted gift boxes at the POW/MIA Plaza tree
- Photo op wreath arch at the POW/MIA Plaza

The addition of these décor items are one tactic to help sustain the energy and excitement of the tree lighting ceremony throughout the holiday season. These efforts can be further supported through programming and marketing efforts from the City of West Fargo, West Fargo Events and The Yards Business Association. Further, planters installed during the reconstruction project are equipped with power and could provide additional opportunity for holiday décor in the future.

*Note: Four of the 52 street lights cannot be decorated because they hold street signs.

Financial analysis:

The project team reviewed products and pricing from three different vendors. During that time, Holiday Outdoor Décor purchased a number of companies and became the best vendor to work with in terms of pricing, products and quality of materials.

Following is detailed list of costs for this request:

Item	Qty	Cost
Custom 9-foot, double sided photo op wreath arch with 7-foot tall inside opening; Includes full pine garland on both sides, LED lights and three colors of ornaments to match existing tree.	1.0	\$25,000
LED lighted wreath with bow for street lights	25.0	\$17,200
4-foot gift box with white and red LED lights	1.0	\$2,349
5-foot gift box with white and green LED lights	1.0	\$3,600
7-foot gift box with white and blue LED lights	1.0	\$6,240
5% labor surcharge	1.0	\$3,119.40
Shipping	1.0	\$2,250
LED light strings	50.0	\$1,000
Extension cords and installation brackets		\$500
Total		\$61,258.40

FINANCE DIRECTOR REVIEW:

This request was submitted to Jim Larson, Finance Director, for analysis. He confirmed that there are adequate funds available in the economic development sales tax fund for this request.

Labor and Storage Considerations:

The décor was selected in collaboration with the Street Division's Right-of-Way Crew to ensure it did not represent an extraordinary amount of labor for installing, repairing and removing these materials. The team also reviewed the décor to ensure proper storage was available. These materials fit within the crew's current workload and storage space.

All items would be owned, installed, stored and maintained by the City of West Fargo.

Décor Considerations:

**Note: Four of the 52 street lights cannot be decorated because they hold street signs.*

Following is a breakdown of considerations for each décor item that is requested.

- Custom 9-foot, double sided photo op wreath arch with 7-foot tall inside opening (for POW/MIA Plaza)
 - Designed to match the POW/MIA Plaza Christmas tree
 - Will be placed at the front of the plaza to draw attention into the plaza.
 - Double sided for maximum photo opportunity
- LED lighted wreath with bow for street lights
 - Reinforces photo op wreath arch in the POW/MIA Plaza
 - Color scheme will be consistent with other lighted elements
- Gift boxes with LED lights for POW/MIA Plaza trees
 - Provides another photo opportunity and a nod to commerce and retail in the district
 - Color scheme will be consistent with other lighted elements
- LED lights for wrapping street lights
 - Due to height of street lights, we can't string lights across Sheyenne Street.
 - Wrapping LED lights up the street lights' poles was well received this year. Continuing to do this up the remaining poles will give a similar effect to a lighted corridor.

Request for West Fargo City Commission

For these reasons, we are requesting \$61,258.40 in economic development sales tax funds for holiday décor to continue turning The Downtown Yards into a holiday destination.

**Note: Four of the 52 street lights cannot be decorated because they hold street signs.*

CUSTOM WREATH ARCH

Photo for general visualization, not a final design proof.



CHRISTMAS TREE

Existing POW/MIA Plaza Christmas tree.



GIFT BOXES

Photo for general visualization, not a final design proof.



WREATH LIGHT MOUNTS

Photo for general visualization, not a final design proof.

Propose purchasing 25 wreaths



Purchased 25 snowflakes in 2019

LIGHT POLE WRAPS

Photo for general visualization, not a final design proof.

