

CITY OF LEAWOOD GOVERNING BODY MEETING AGENDA

Monday, August 17, 2020
Council Chamber
4800 Town Center Drive
Leawood, KS 66211
7:30 P.M.

AUGUST 2020							SEPTEMBER 2020						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
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2	3	4	5	6	7	8	6	7	8	9	10	11	12
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23	24	25	26	27	28	29	27	28	29	30			
30	31												

AGENDA

(This agenda is subject to changes, additions or deletions at the discretion of the City Council)

Mayor Peggy Dunn

Councilmembers

Ward One	Ward Two	Ward Three	Ward Four
Debra Filla	Jim Rawlings	Chuck Sipple	Julie Cain
Andrew Osman	Mary Larson	Lisa Harrison	James Azeltine

1. PLEDGE OF ALLEGIANCE

2. APPROVAL OF AGENDA

3. CITY CLERK STATEMENT

To reduce the likelihood of the spread of COVID-19 and to comply with social distancing recommendations, this meeting of the Leawood Governing Body is being conducted remotely using the Zoom media format and some of the members of the Governing Body are appearing remotely. The meeting is being livestreamed on [YouTube] and the public can access the livestream by going to www.leawood.org/.

Public comments on non-agenda items will not be accepted during this meeting. Public comment on agenda items not requiring a public hearing may not be accepted. As always, public comment on any agenda item can be submitted in advance. Written public comments received at least 24 hours prior to the meeting have been distributed to members of the Governing Body prior to the meeting. Public comments should be directed to LeawoodPublicCommentGB@leawood.org.

4. PROCLAMATIONS

Diaper Need Awareness Week
September 21st - 27th, 2020

5. PRESENTATIONS/RECOGNITIONS

Renee Gurney, Leawood Municipal
Court Judge, retiring after 23 years of
service

6. SPECIAL BUSINESS

7. CONSENT AGENDA

Consent agenda items have been studied by the Governing Body and determined to be routine enough to be acted upon in a single motion. If a Councilmember requests a separate discussion on an item, it can be removed from the consent agenda for further consideration.

- A. Accept Appropriation Ordinance Nos. 2020-29 and 2020-30
- B. Accept minutes of the August 3, 2020 Governing Body meeting
- C. Accept minutes of the March 4, 2020 Bike/Walk Committee meeting
- D. Accept minutes of the February 14, 2020 Sustainability Advisory Board meeting
- E. Accept minutes of the June 23, 2020 Ironhorse Advisory Board meeting
- F. Accept minutes of the December 4, 2019 Public Works Committee meeting
- G. Resolution accepting a Sidewalk/Trail Easement from Grantor Steeplechase Home Association, pertaining to Steeplechase Phase 4 “Tract J” 4th Plat a subdivision of record in the City of Leawood, Johnson County, Kansas (PW)
- H. Resolution approving a Final Sign Plan for Euronet Worldwide, located south of 114th Street and west of Tomahawk Creek Parkway (Case 58-20) (PC)
- I. Resolution approving and authorizing the Mayor to execute a Construction Agreement in the amount of \$94,475.00 between the City and MegaKC pertaining to the installation of footings for the “Inspiration” and “Women of the World” art pieces (PR)
- J. Resolution approving an eligible facilities request for the addition and replacement of ground level equipment and replacement of antennae and the replacement and addition of associated equipment at the Ira Stein cell tower for T-Mobile, located north of 135th Street and east of Nall Avenue (PC Case 76-20) (PC)
- K. Approve an expenditure in the amount of \$16,500.00 to Feld Fire for the purchase of 15 replacement self-contained breathing apparatus air cylinders (SCBA) (FD)
- L. Approve an expenditure in the amount of \$26,272.00 to Conrad Fire Equipment for the installation and purchase of a replacement fire hose (FD)
- M. Approve an expenditure in the amount of \$6,785.00 to Boulder Blimp Company for the purchase of an inflatable fire safety house (FD)
- N. Approve an expenditure in the amount of \$11,479.00 to Robotronics, Inc. for the purchase of a Patches and Pumper Package which contains: a remote control robot with voice transmission, water squirter and supporting public education material (FD)
- O. Police Department Monthly Report
- P. Fire Department Monthly Report
- Q. Municipal Court Monthly Report

8. MAYOR’S REPORT

9. COUNCILMEMBERS’ REPORT

10. CITY ADMINISTRATOR REPORT

11. STAFF REPORT

Patty Bennett- Discuss potential revision to City Code and Leawood Development Ordinance to allow beekeeping in Leawood

COMMITTEE RECOMMENDATIONS

12. PUBLIC WORKS

[from the July 29, 2020 Public Works Committee meeting]

Review the traffic configuration on Mission from 133rd to 143rd Street

Recommendation: Accept the Burns & McDonnell and Staff recommendation of a two lane, divided roadway in the segment running from 137th to 142nd Street (PW)

13. PARKS AND RECREATION

[from the June 9, 2020 Parks and Recreation meeting]

Recommendation: To name 89th and Sagamore Green Space – “Old Leawood Crossing”

City Administrator does not support this recommendation as it further exacerbates the division of the City between Old and New Leawood

14. PLANNING COMMISSION

[from the July 28, 2020 Planning Commission meeting]

Resolution approving a Preliminary Plat and Final Plat for the Leawood Fire Station #1 and Park, located south of 96th Street and east of Lee Boulevard (Case 56-20) (PC)

15. OLD BUSINESS

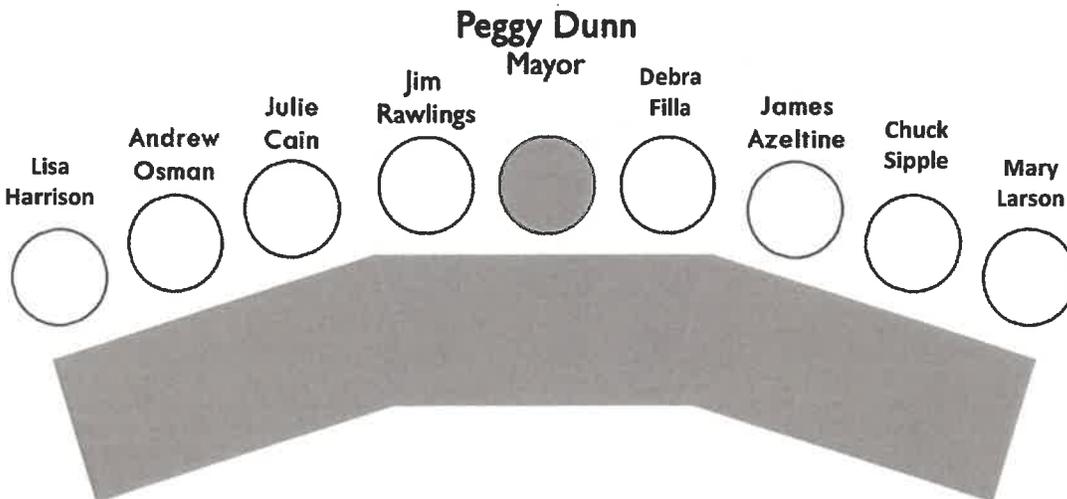
16. OTHER BUSINESS

17. NEW BUSINESS

- A. Schedule Executive Session: Personnel - Tuesday, September 8, 2020 6:00 P.M.
- B. Schedule Governing Body meeting Tuesday, September 8, 2020 at 7:30 P.M.

ADJOURN

Mayor and City Council



Leawood operates under a Council/Mayor form of government, with a separately elected mayor and 8 council persons. Council members are elected on a non-partisan basis from 4 wards. The Council develops policies and provides direction for the professional city administration. Regular meetings of the Leawood City Council are held the first and third Mondays of each month. Copies of the agenda are available at the Office of the City Clerk on the Friday prior to the meeting.

Number of Votes Required:

Non-zoning Ordinances: Majority of the members-elect of the City Council [5]

Charter Ordinances: 2/3 of members-elect of Governing Body [6]

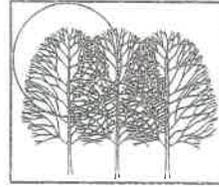
Zoning Ordinances and other Planning Commission Recommendations:

- **Passage of Ordinances Subject to Protest Petition:** ¾ majority of members of Governing Body [7]
- **Approving Planning Commission Recommendation:** Majority of the members-elect of the City Council [5]
- **Remanding to Planning Commission:** Majority of the members-elect of the City Council [5]
- **Approving, Overriding, Amending or Revising Recommendation after Remand:** Majority of the members-elect of the City Council [5]
- **Overriding, Amending or Revising Recommendation:** 2/3 majority of membership of Governing Body [6]

Note: Mayor may cast deciding vote when vote is one less than required.

DATE	TIME	SUBJECT	LOCATION
Tuesday, Sept. 8, 2020	6:00 P.M.	Executive Session – Personnel	Council Chamber
Tuesday, Sept. 8, 2020	7:30 P.M.	Governing Body Meeting	Council Chamber
Monday, Sept. 21, 2020	6:00 P.M.	Work Session – Review the City’s Economic Development Policies	Council Chamber
Monday, Sept. 21, 2020	7:30 P.M.	Governing Body Meeting	Council Chamber
Monday, Oct. 5, 2020	6:00 P.M.	Work Session	Council Chamber
Monday, Oct. 5, 2020	7:30 P.M.	Governing Body Meeting	Council Chamber
Monday, Oct. 19, 2020	6:00 P.M.	Work Session	Council Chamber
Monday, Oct. 19, 2020	7:30 P.M.	Governing Body Meeting	Council Chamber
Monday, Nov. 2, 2020	6:00 P.M.	Work Session	Council Chamber
Monday, Nov. 2, 2020	7:30 P.M.	Governing Body Meeting	Council Chamber
Monday, Nov. 16, 2020	6:00 P.M.	Work Session	Council Chamber
Monday, Nov. 16, 2020	7:30 P.M.	Governing Body Meeting	Council Chamber
Monday, Dec. 7, 2020	6:00 P.M.	Work Session	Council Chamber
Monday, Dec. 7, 2020	7:30 P.M.	Governing Body Meeting	Council Chamber
Monday, Dec. 21, 2020	7:00 P.M.	Governing Body Meeting	Council Chamber
Tuesday, Jan. 19, 2021	6:00 P.M.	Work Session - Review residential above ground swimming Pools	Council Chamber
Monday, Jan. 25, 2021	6:00 P.M.	Governing Body Short, Near & Long-Term Goals	Council Chamber
Monday, Feb. 15, 2021	6:00 P.M.	Work Session – Review Climate Action Playbook Review	Council Chamber

Office of the Mayor



City of Leawood, Kansas

Proclamation

WHEREAS, diaper need, the condition of not having a sufficient supply of clean diapers to keep babies and toddlers clean, dry, and healthy, can adversely affect the health and well-being of babies, toddlers, and their families; and

WHEREAS, national surveys and research studies report that one in three families struggles with diaper need and 48 percent of families delay changing a diaper to extend their supply; and

WHEREAS, children go through six to 12 diapers each day during the two to three years they wear diapers; and

WHEREAS, purchasing enough diapers to keep a baby or toddler clean, dry, and healthy can consume 14 percent of a low-wage family's post-tax income, making it difficult to obtain a sufficient supply; and

WHEREAS, a daily or weekly supply of diapers is generally an eligibility requirement for babies and toddlers to participate in child care programs and quality early-education programs; and

WHEREAS, without enough diapers, babies and toddlers risk infections and health problems that may require medical attention, and may prevent parents from attending work or school, thereby hurting the family's economic prospects and well-being; and

WHEREAS, the people of the City of Leawood recognize that diaper need is a public health issue, and addressing diaper need can lead to economic opportunity for the city's families and communities and improved health for children, thus ensuring all children and families have access to the basic necessities required to thrive and reach their full potential; and

WHEREAS, while experiencing double, triple, or greater increase in demand for diapers due to the pandemic and economic shutdown, HappyBottoms did everything in their ability to increase diaper distributions and support children and families in need of immediate assistance; now

NOW, THEREFORE, I, Peggy J. Dunn Mayor of the City of Leawood, do hereby proclaim the week of September 21st through September 27th, 2020 as

DIAPER NEED AWARENESS WEEK

in the City of Leawood, and encourage the citizens of Leawood to donate generously to diaper banks, diaper drives, and those organizations that collect and distribute diapers to those struggling with diaper need, so that all of Leawood's children and families can thrive and reach their full potential.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Seal of the City of Leawood to be affixed this 17th day of August

Peggy J. Dunn, Mayor

7A.

CITY OF LEAWOOD
Check Date 08/04/2020
Ordinance 2020-29

Final Check List

Page: 1

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
107814	1ST SERV RESIDENTIAL ACCT DEPT	WALNUT ROOM REFUND	50.00	50.00
107815	A M LEONARD INC	SUPPLIES	384.89	384.89
107816	ABM SUPPLY	CROWD CONTROL GEAR	14,746.00	14,746.00
107817	ACUSHNET CO - TITLEIST	PROSHOP MERCHANDISE PROSHOP MERCHANDISE PROSHOP MERCHANDISE	417.29 197.29 153.00	767.58
107818	AGGREGATES, JOHNSON COUNTY	D-50 DITCH LN	57.30	57.30
107819	ALPINE LITHO-GRAPHICS INC	BUSINESS CARDS	621.00	621.00
107820	AMERICAN MICRO COMPANY	SCANNING OF CONSTRUCTION PLANS &	5,257.35	5,257.35
107821	AMERICAN SENTRY ELECTRONIC SYS	SERVICE CALLS AT JUSTICE CENTER	285.00	285.00
107822	ARTHUR J GALLAGHER RISK MGMNT	2020-2022 Environmental Liability	1,358.88	1,358.88
107823	ASCAP	LICENSE FEE	366.50	366.50
107824	AT&T INTERNET	U-VERSE INTERNET & TV	209.55	209.55
107825	AT&T INTERNET	INTERNET	106.46	106.46
107826	BARNHART, SUSAN	LODGE AT IRONWOODS REFUND	275.00	275.00
107827	BAYSINGERS STORE	GAS MASK FILTERS AND MASK	1,968.25	1,968.25
107828	BLUE VALLEY LABORATORIES INC	REPLACE GFI	42.50	42.50
107829	BOUND TREE MEDICAL LLC	BVM ADULT MASKS	274.40	274.40
107830	BRIGGS TURF FARM	METAL STAPLES	7.50	7.50

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
107831	BROWN, MONICA	PLANNING COMMISSION MEETING	125.00	125.00
107832	BURNS & MCDONNELL ENGINEERING	2020 ENGINEERING ON MISSION RD. 133RD-14	9,984.90	9,984.90
107833	CAPITAL SAND COMPANY INC	INVISIBLE DIVOT-BULK BAG	405.00	405.00
107834	CARLSON, NICOLE	LODGE AT IRONWOODS REFUND	275.00	275.00
107835	CENTRAL STATES LEEDS	TRAINING REGISTRATION	450.00	450.00
107836	CERTIFRESH CIGAR	CIGARS	545.96	545.96
107837	CHETS LOCK & KEY	PADLOCK SHACKLE	13.27	13.27
107838	CINTAS CORPORATION NO 2	FIRST AID SUPPLIES	348.13	348.13
107839	CLAMPITT PAPER CO KANSAS	SUPPLIES	56.19	56.19
107840	CLASSY CARE GROUP LLC	SANITIZER	760.00	760.00
107841	CONRAD FIRE EQUIPMENT INC	VEH OPS MAINT SPRING, PNEUMATIC, 45LB VEH OPS MAINT VEHICLE MAINT.	670.37 47.73 414.34 235.34	1,367.78
107842	CORPORATE HEALTH KU MEDWEST	KU MedWest - FF post offer tests	1,306.00	1,306.00
107843	CUSTOM TRUCK & EQUIPMENT LLC	GENERAL REPAIR FOR UNIT 618	2,861.04	2,861.04
107844	DELTA DENTAL PLAN OF KANSAS	JULY 2020 DENTAL PREMIUM	18,970.26	18,970.26
107845	DESIGN MECHANICAL INC	LABOR AND TRUCK CHARGE REPAIRS TO JC HEAT PUMPS-3 WORK ORDERS: JUSTICE CENTER-RETURN AIR UNIT CHECK	702.75 2,383.65 1,499.35	4,585.75
107846	DISCOUNT TIRE	LABOR TO MOUNT GOLF CART TIRES	52.00	52.00
107847	DOCUMART INC	BUSINESS CARDS-L.HYATT	121.77	121.77
107848	DOUBLE CHECK CO INC	MANHOLE COVER	229.35	229.35
107849	ENTENMANN-ROVIN CO	BADGES	699.90	699.90

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107850	EWING IRRIGATION PRODUCTS INC	IRRIGATON SUPPLIES	117.51	117.51
107851	EXCEL LINEN SUPPLY	LINEN CLEANING	29.30	
		LINEN CLEANING	153.96	183.26
107852	FELD FIRE	RESCUE GLOVES	182.00	
		EQUIPMENT MAINT	290.00	472.00
107853	FISHER PATTERSON SAYLER	ATTORNEY'S FEES SUBJECT TO INSURANCE	2,500.00	2,500.00
107854	FRIENDS OF RECOVERY ASSOC	2020 ALCOHOL TAX FUND ALLOCATION	2,475.50	2,475.50
107855	GAILS HARLEY DAVIDSON	MOTORCYCLE REPAIRS	600.97	600.97
107856	GALLS LLC	POLOS	211.20	
		UNIFORMS	1,781.88	1,993.08
107857	GALLS LLC	UNIFORMS AND GEAR	649.62	
		UNIFORM PANTS	375.00	1,024.62
107858	GEAR FOR SPORTS	PROSHOP MERCHANDISE	810.24	810.24
107859	GREAT PLAINS ROOFING, BLDG O	ROOF REPAIR FIRE STAT 2	374.13	374.13
107860	GUNTER PEST MANAGEMENT INC	PEST CONTROL	60.00	60.00
107861	HASTY AWARDS	5" TOWER BASEBALL	634.15	634.15
107862	HEN HOUSE BALLS FOOD STORES	SUPPLIES	14.56	
		SUPPLIES	12.27	26.83
107863	HOLLIDAY SAND & GRAVEL CO	TANDEM TRUCK	88.00	
		TANDEM TRUCK	88.00	176.00
107864	INDUSTRIAL SALES CO INC	SUPPLIES	370.06	370.06
107865	INSIGHT PUBLIC SAFETY	SAFEGUARDING	480.00	
		Fire Evaluations	1,350.00	1,830.00
107866	J M FAHEY CONSTRUCTION CO	2020 BLANKET PO FOR ASPHALT -	1,054.40	
		2020 BLANKET PO FOR ASPHALT -	1,377.60	2,432.00

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107867	KA COMM INC	2020 FORD UTILITY UNIT	33,054.71	33,054.71
107868	KAESER COMPRESSORS INC	ADAPTERS - IRONHORSE ELBOWS, UNIONS, TUBES	135.52 247.65	383.17
107869	KC BOBCAT INC	BOBTACH CYLINDER	640.47	640.47
107870	KINCAID READY MIX	CONCRETE CONCRETE	910.00 840.00	1,750.00
107871	LAWN-CORPS, INC	TOPSOIL	40.50	40.50
107872	LENNOX INDUSTRIES INC	BUILDING & GROUNDS	234.37	234.37
107873	LIGHT BULBS ETC	LIGHT BULBS	206.39	206.39
107874	LINCOLN NATIONAL LIFE INSUR	JULY 2020 LIFE, LTD, VSTD PREMIUM	11,452.74	11,452.74
107875	LOWES	HARDWARE SUPPLIES	7.83	7.83
107876	M & M GOLF CARS LLC	RENTAL SPEC EVENT GOLF CAR (16)	632.00	632.00
107877	MAHER OIL CO	UNLEADED FUEL DIESEL FUEL	590.14 366.70	956.84
107878	MAIL IT	POSTAGE FOR HELMET RETURN	20.67	20.67
107879	MAISCH SMALL ENGINE REPAIR	FUEL PUMP - ANDREW S	43.10	43.10
107880	MATH MONKEY	ADDITION & SUBTRACTION 7/27-30/2020	87.50	87.50
107881	MAXON AMERICA INC	EQUIPMENT SUPPLIES	615.00	615.00
107882	MCKEEVERS PRICE CHOPPER	COFFEE TOILET PAPER	15.98 100.94	116.92
107883	MHC KENWORTH	PARTS & SUPPLIES	205.00	205.00
107884	MICRO CENTER AR	SAMSUNG EQUIPMENT	311.96	311.96
107885	MOBILFONE WIRELESS	COMMUNICATION	155.71	155.71

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107886	MYSIDEWALK INC	MISC. EXPENSE	500.00	500.00
107887	NAVIA BENEFIT SOLUTIONS	JULY 2020 125 PLAN ADMINISTRATION	144.50	144.50
107888	NEXT TO NATURE LANDSCAPE LLC	TRAFFIC ROW AND MEDIAN MAINTENENCE	8,536.00	8,536.00
107889	NORTHERN TOOL & EQUIP, BLUE TARP FII	EQUIPMENT SUPPLIES	49.98	49.98
107890	OBIJI, MISHEA	CLEANING	150.00	150.00
107891	OLSSON INC	ON CALL PLAN REVIEW, AND OTHER	1,168.02	
		ON CALL PLAN REVIEW, AND OTHER	2,421.74	3,589.76
107892	O'REILLY AUTO PARTS	VEHICLE PARTS	113.05	
		PARTS	43.79	
		VEHICLE PARTS	21.99	
		EQUIPMENT SUPPLIES	4.78	
		EQUIPMENT SUPPLIES	9.56	
		EQUIPMENT SUPPLIES	9.10	
		AIR HOSE	43.99	
		OIL AND FILTER	45.24	
		ASSRY PLUG	7.99	
		SOCKET	6.99	306.48
107893	PHILLIPS 66-CONOCO-76	TRAINING TRAVEL	65.09	65.09
107894	PRECISION SMALL ENGINE CO INC	EQUIPMENT SUPPLIES	803.85	803.85
107895	PROFESSIONAL TURF PRODUCTS	TORO 4300-D ROUGH MOWER	47,894.96	
		EQUIPMENT SUPPLIES	306.51	
		EQUIPMENT SUPPLIES	146.02	48,347.49
107896	PROGRESSIVE ELECTRONICS INC	BUILDING & GROUNDS	84.00	
		BUILDING & GROUNDS	84.00	
		BUILDING & GROUNDS	84.00	252.00
107897	Q4 INDUSTRIES LLC	HAND SANITIZER	203.66	
		SUPPLIES	645.77	849.43

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107898	REINDERS INC	LANDSCAPE SUPPLIES	742.62	
		CHECMICAL SUPPLIES	428.60	1,171.22
107899	REINHART FOODSERVICE	PREPARED FOOD	699.50	699.50
107900	RELLEC APPAREL GRAPHICS	CAP AND DIGITIZING FEE	520.00	520.00
107901	RIVERVIEW STONE LLC	DOVER RK	100.30	100.30
107902	ROGOFF, GARY	NORTH LAKE CLASS-COVID CONCERNS	57.00	57.00
107903	ROMA BAKERY	PREPARED FOOD	41.12	41.12
107904	RUSCO REFRIGERATION INC	EQUIPMENT SERVICE	175.60	175.60
107905	SCHUTTE LUMBER CO	SUPPLIES	151.11	151.11
107906	SIMPLOT PARTNERS	COURSE SUPPLIES	136.00	
		COURSE SUPPLIES	572.40	
		COURSE SUPPLIES	432.00	1,140.40
107907	SITEONE LANDSCAPE SUPPLY LLC	LANDSCAPE SUPPLIES	309.38	309.38
107908	SPECTRUM	CABLE SERVICE	57.86	57.86
107909	STAPLES BUSINESS ADVANTAGE	OFFICE SUPPLIES	43.94	
		OFFICE SUPPLIES	25.44	
		OFFICE SUPPLIES	71.39	
		OFFICE SUPPLIES	20.72	
		OFFICE SUPPLIES	106.12	
		OFFICE SUPPLIES	34.08	
		CLOROX WIPES	9.00	
		OFFICE SUPPLIES	30.11	
		OFFICE SUPPLIES	17.57	
		OFFICE SUPPLIES	43.50	
		OFFICE SUPPLIES	8.73	410.60

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107910	SUBURBAN LAWN & GARDEN INC	YARD WASTE TIP FEE	20.00	
		YARD WASTE TIP FEE	20.00	
		SUPPLIES	211.41	
		PERENNIAL & ANNUALS	437.89	
		YARD WASTE TIP FEE	18.00	
		YARD WASTE TIP FEE	30.00	737.30
107911	SUMNERONE	FAX MACHINE MAINTENANCE	61.75	61.75
107912	SUN LIFE FINANCIAL	JULY 2020 SUN LIFE PREM.	2,452.74	2,452.74
107913	SUPERIOR VISION SERVICES INC	JULY 2020 VISION PREMIUM	2,098.70	2,098.70
107914	SYSCO FOOD SERVICE OF KC INC	PREPARED FOOD	639.16	639.16
107915	TIME WARNER CABLE	CABLE/OVERBROOK DR	294.98	294.98
107916	TIME WARNER CABLE	CABLE & TV SERVICE	176.27	176.27
107917	TORO COMPANY - NSN, THE	EQUIPMENT MAINTENANCE	187.20	187.20
107918	TOWN & COUNTRY BLDG SERVICES	ADDITIONAL CLEANING SERVICES~	200.00	200.00
107919	TROON GOLF LLC	POSTAGE	12.64	12.64
107920	UNIFIRST CORPORATION	MAT CLEANING	131.43	
		MAT CLEANING	87.89	219.32
107921	UNUM LIFE INSURANCE CO	JULY 2020 LTC PREMIUM	619.00	619.00
107922	VANCE BROS INC	ASPHALT	280.00	
		ASPHALT	318.53	598.53
107923	VENA, LINDA	LODGE AT IRONWOODS REFUND	275.00	275.00
107924	WASTE MANAGEMENT OF KANSAS INC	TRASH DISPOSAL	110.14	
		TRASH DISPOSAL	236.74	
		TRASH DISPOSAL	159.25	
		TRASH DISPOSAL	333.68	
		TRASH DISPOSAL	312.40	1,152.21

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
107925	WATER DISTRICT 1 JO CO	WATER SERVICE	1,701.99	
		WATER SERVICE	87.22	
		WATER SERVICE	481.23	
		WATER SERVICE	1,501.79	
		WATER SERVICE	821.30	
		WATER SERVICE	73.01	
		WATER SERVICE	14.46	
		WATER SERVICE	2,179.21	
		WATER SERVICE	1,621.66	
		WATER SERVICE	72.96	
		WATER SERVICE	3,549.46	
		WATER SERVICE	25.50	
		WATER SERVICE	47.45	
		WATER SERVICE	20.14	
		WATER SERVICE	65.83	
		WATER SERVICE	1,569.81	
		WATER SERVICE	1,010.68	
		WATER SERVICE	6,038.39	20,882.09
107926	WCA WASTE SYSTEMS INC	RECYCLING SERVICE	105.84	105.84
107927	WESTLAKE HARDWARE	HARDWARE SUPPLIES	90.95	
		HARDWARE SUPPLIES	111.93	202.88
107928	WINFIELD SOLUTIONS LLC	COURSE SUPPLIES	197.50	
		COURSE SUPPLIES	778.80	
		COURSE SUPPLIES	325.00	1,301.30
107929	YELLOW PAGE DIRECTORY	CLASSIFICATION YELLOW PAGES	385.00	385.00
107930	YOUNGER, DAN	PLAY WELL LEGO CAMP REFUND	180.00	180.00
107931	ZEROREZ OF KANSAS CITY LLC	CARPET CLEANING	725.00	725.00
2600820	EVERGY	POWER SERVICE	34.33	34.33
3140820	EVERGY	POWER SERVICE	37.87	37.87

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
3380820	EVERGY	POWER SERVICE	177.33	177.33
5090820	EVERGY	POWER SERVICE	138.44	138.44
6040820	EVERGY	POWER SERVICE	61.10	61.10

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
8102020	COMMERCE BANK			
	AICPA	MEMBERSHIP/FRANKEL	425.00	
	AINSWORTH KANSAS CITY	MEETING EXPENSE	77.50	
	AMAZON.COM	COMMUNITY EVENT GIVE AWAYS	239.85	
	AMAZON.COM	PLASTIC SPRAY BOTTLE-4 PK	23.97	
	AMAZON.COM	ORGANIZER, ENVELOPES, BATTERIES	54.22	
	AMAZON.COM	FACE SHIELDS/DISPOSABLE GOWNS	415.78	
	AMAZON.COM	REUSABLE FACE MASKS	32.99	
	AMAZON.COM	ACCORDION FILE FOLDERS	107.10	
	AMAZON.COM	AMAZON SERVICES	14.99	
	AMAZON.COM	ART CADDY	20.99	
	AMAZON.COM	ART SUPPLIES	8.99	
	AMAZON.COM	ART SUPPLIES	0.97	
	AMAZON.COM	COVID-19 SUPPLIES/SANITIZER, PUMPS	204.85	
	AMAZON.COM	OFFICE SUPPLIES	55.73	
	AMAZON.COM	FACE MASKS-COVID-19	483.00	
	AMAZON.COM	REFUND-SALES TAX	-8.95	
	AMAZON.COM	HIDE-A-KEY ROCK	6.97	
	AMAZON.COM	IPAD CASES	103.10	
	AMAZON.COM	SAFETY GLASSES	45.36	
	AMAZON.COM	DEWALT REPLACEMENT BATTERY	30.99	
	AMAZON.COM	DRILL BIT SET, SERIAL PORT, CABLE	47.66	
	AMAZON.COM	MINI TRIPOD STAND	27.99	
	AMAZON.COM	PHONE CASE	25.90	
	AMAZON.COM	HEAD PHONE ADAPTERS, CABLES	25.83	
	AMAZON.COM	DUAL DESK MOUNT STAND	506.94	
	AMAZON.COM	PHONE CASES & PROTECTIVE COVERS	77.94	
	AMAZON.COM	BATTERY REPLACEMENT	37.99	
	AMAZON.COM	WEBCAM	223.96	
	AMAZON.COM	APPLE POWER ADAPTER	49.99	
	AMAZON.COM	LOGITECH HD PRO WEB CAM, CAMERA	373.47	
	AMAZON.COM	WEBCAM MICROPHONE	49.99	
	AMAZON.COM	FACE MASKS-COVID-19	279.90	
	AMAZON.COM	DEVICE SERV	135.64	
	AMAZON.COM	NECK GAITER FACE MASKS (80)	876.00	

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
	AMAZON.COM	DRY ERASE ERASERS	12.98	
	AMAZON.COM	FACE MASKS	149.25	
	AMAZON.COM	IPHONE CHARGING CORDS	31.98	
	AMAZON.COM	MEN'S SHOES/MCGUIRE	94.95	
	AMAZON.COM	TACTICAL BOOTS/FRAGER	89.99	
	AMAZON.COM	DANNER MEN'S STRIKER BOLT BOOTS/TEERINK	219.95	
	AMAZON.COM	COLLAPSIBLE SNAKE HOOK/COMMAND POST	59.99	
	AMAZON.COM	STORY TIME QUILT	32.97	
	AMAZON.COM	ART SUPPLIES	16.38	
	AMAZON.COM	CAMP ITEMS	25.73	
	AMAZON.COM	COVID-19 SUPPLIES-SANITIZER	74.40	
	AMAZON.COM	COVID-19 SUPPLIES-THERMOMETERS	219.92	
	AMAZON.COM	COVID-19 SUPPLIES,SANITIZER &	85.97	
	AMAZON.COM	COVID MASKS	11.98	
	AMAZON.COM	GERMICIDAL DISINFECTANT CLEANER	89.03	
	AMAZON.COM	BODY AND SUFACE THERMOMETER	59.49	
	AMAZON.COM	DUSTER	25.99	
	AMERICAN BAR ASSOC	ANNUAL MEMBERSHIP DUES/BENNETT	210.00	
	AMERICANS FOR THE ARTS	PUBLIC ART CONFERENCE/YORK	100.00	
	APPLE/ITUNES	CLOUD STORAGE	2.99	
	APPLE/ITUNES	SCANNER PRO APP	4.35	
	APPLE/ITUNES	CLOUD STORAGE	2.99	
	APPLE/ITUNES	CLOUD STORAGE	0.99	
	APPLIANCE FACTORY PARTS, W9 NEEDED	DIGITAL CONTROL KIT-BBQ	54.98	
	APWA	PARTIAL CREDIT-CONFERENCE	-90.00	
	BATTERIES PLUS	BATTERIES FOR CITY HALL	27.96	
	BERNSTEN INTL W9 NEEDED IF, USING F	STORM SEWER DRAIN MARKERS	777.06	
	BLICK ART MATERIALS, NEED W9 FOR A/P	CREDIT-RETURN	-9.52	
	BLICK ART MATERIALS, NEED W9 FOR A/P	ART SUPPLIES	106.28	
	CABELA'S	WEATHER STATION	99.97	
	CED ENGINEERING, W9 NEEDED IF USING	TRAINING-SIGNAL PHASING	96.00	
	CHEWY.COM	K9 SUPPLIES	104.20	
	CHIPOTLE	STAFF MEETING	41.86	
	CISCO WEBEX	CISCO WEBEX STARTER	44.85	
	COMODO CA	COMODOCA DVSSL CERT 5 YEARS	395.00	

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
	COMODO CA	COMODOCA DA SSL CERT 5 YEAR	468.75	
	CORNER BAKERY	BREAKFAST MEETING	83.80	
	COSTCO	MONTHLY STAFF APPRECIATION-ICE CREAM	77.33	
	COSTCO	HYDRATION SUPPLIES/PW CREW-HEAT	60.97	
	COSTCO	CREDIT FOR ORG INV -SALES TAX CHARGED.	-84.37	
	DAILY DISPATCH	JOB ADVERTISEMENT-FIRE MARSHAL	405.00	
	DICK'S SPORTING GOODS	AIR HORNS/AQUATIC CENTER	44.97	
	DIRECTV NEED W9 FOR A/P	MONTHLY CHARGE-DIRECT TV-MOBILE COMMAND	34.07	
	DOLLAR TREE	SUPPLIES FOR OUTREACH EVENT	39.00	
	DROPBOX NEED W9 FOR A/P	MONTHLY FEE	11.99	
	EB EVENTBRITE	2020 MIDWEST LEADERSHIP	398.00	
	EB EVENTBRITE	CREDIT-2020 MIDWEST LEADERSHIP	-398.00	
	FBI - LEEDA	TRAINING-YODER	350.00	
	FBI NATIONAL ACADEMY INC	FBI NA 2020 FALL CONFERENCE/RETTIG	75.00	
	FEDEX	SHIPPING CHARGES	11.00	
	FEDEX	FOUNDATION COVID FIRST RESPONDER	38.49	
	FLUKER FARMS	CRICKETS FOR NATURE CENTER REPTILES	31.56	
	GALLS LLC	CREDIT-RETURNED DUTY GEAR	-34.96	
	GFOA	2019 CAFR AWARD APPLICATION	530.00	
	GRAHAM PLUMBING SUPPLY, W9 NEEDED	SINK FOR FIRE STATION 1	150.00	
	GUARDIAN TRAINING SOLUTIONS, W9 NEEDED	BALLISTIC SHIELD INSTRUCTOR	400.00	
	HEN HOUSE	HAND SOAP/CONFERENCE RESTROOM	4.19	
	HEREFORD HOUSE - LEAWOOD	LUNCH MEETING	13.50	
	HOBBY LOBBY STORES INC	BANDANAS	21.60	
	HOME DEPOT, THE	LEAF BLOWER/AQUATIC CENTER	99.00	
	HOME DEPOT, THE	AIR COMPRESSOR FOR CART BARN	226.97	
	INTL CODE COUNCIL	TRAINING - FLASH CARDS AND WORKBOOK	752.70	
	JCATLAW W9 NEEDED FOR AP, JC VARON	TRAINING - DISCIPLINARY ISSUES	50.00	
	JERSEY BOYZ	LUNCH MEETING	116.92	
	JERSEY BOYZ	LUNCH MEETING	12.69	
	JIMMY JOHN'S	TEAM BUILDING MEALS	35.00	
	JO CO TREASURER	RECORDING FEE/DEVELOPMENT AGREEMENT-ORD	123.00	
	JO CO TREASURER	CREDIT CARD-CONVENIENCE FEE	2.95	
	JOE'S KANSAS CITY BBQ	IRONHORSE ADVISORY BOARD MEETING	156.21	
	JOE'S KANSAS CITY BBQ	OFFICER ORAL BOARDS/STAFF 4	54.31	

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
	JOHNSON COUNTY MOTOR VEHICLE	SERVICE FEE FOR ONLINE REGISTRATION	0.81	
	JOHNSON COUNTY MOTOR VEHICLE	VEHICLE REGISTRATION	33.75	
	KANSAS DEPT OF ADMINISTRATION	FILING FEE - 2019 CAFR	175.00	
	KANSAS STATE COUNCIL OF SHRM	CONFERENCE REGISTRATION/MCDONALD	399.00	
	KANSAS STATE COUNCIL OF SHRM	CONFERENCE REGISTRATION/MOORE	399.00	
	KANSAS TURNPIKE AUTHORITY	TOLL CHARGES - TRAINING	11.00	
	KC MEDIA LLC, IN KANSAS CITY MAGAZIN	1 YEAR SUBSCRIPTION/MAYOR DUNN	5.00	
	KS.GOV	LICENSE RENEWAL/COLEMAN	71.75	
	LEAWOOD CHAMBER OF COMMERCE	GOLF TEAM REGISTRATION/~	250.00	
	LEGAL RECORD	PUBLICATION ORD #3005	402.99	
	LEGAL RECORD	PUBLICATION-RESO #5382	84.02	
	LEGAL RECORD	PUBLICATION-BIDS ON SCULPTURE	34.76	
	LEGAL RECORD	PUBLICATION - ORD #3003	133.13	
	LOWES	2 GALLON BUCKETS	26.24	
	MAILCHIMP	EMAIL MARKETING PLATFORM SUBSCRIPTION	14.99	
	MICHAELS STORES	CRAFT SUPPLIES	30.55	
	MICHAELS STORES	ART SUPPLIES	26.16	
	MID AMERICA REGIONAL COUNCIL	REUND-TRAINING	-46.00	
	MINSKYS PIZZA	LUNCH MEETING	145.17	
	MO PARK AND RECREATION ASSN	JOB POSTING-PARKS MW HORT	125.00	
	MO PARK AND RECREATION ASSN	JOB POSTING-PW MAINT CONCRETE	125.00	
	MO PARK AND RECREATION ASSN	JOB POSTING-PW MAINT ASPHALT	125.00	
	MO PARK AND RECREATION ASSN	JOB POSTING-PW SPECIALIST CONCRETE	125.00	
	MO STATE BOARD OF ACCOUNTANCY, W9	CPA FEES/FRANKEL	82.15	
	NATALIE'S HAPPY NAMES	LOGO EMBROIDERY-CHANCE SHIRTS	47.96	
	NATL SOCIETY-PROF ENGINEERS	JOB POSTING-ENGINEER SUPERVISOR	295.00	
	NATL SOCIETY-PROF ENGINEERS	CONFERENCE-TRAINING/SCOVILL	249.00	
	NETWORK SOLUTIONS LLC	WEB FORWARDING RENEWAL	64.95	
	NETWORK SOLUTIONS LLC	DOMAIN RENEWAL	49.98	
	NIMCO CONTROLS INC	2 MOTORS FOR PUBLIC WORKS ASPHALT	3,340.00	
	NORTHERN TOOL & EQUIP, BLUE TARP FII	BACKBACK SPRAY/COVID DISINFECTION	399.99	
	OHD, LLP	FIT TESTER CALIBRATION	185.00	
	OLATHE ANIMAL HOSPITAL INC	HEDGEHOG EUTHANASIA	164.20	
	OLATHE PET SHOP	SUPPLIES FOR NATURE CENTER ANIMALS	60.57	
	PAPER ROLL PRODUCTS	THERMAL PRINTER PAPER FOR PATROL	450.00	

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
	POWER MOWER SALES, W9 NEEDED IF U	GAS TANK STRAP	64.49	
	POWER MOWER SALES, W9 NEEDED IF U	GAS TANK	161.94	
	PRICE CHOPPER #6	DRINKS/FACILITIES CREW/HEAT	55.89	
	PRICE CHOPPER #6	PACKING TAPE	6.38	
	PROJECTREPAT, W9 NEEDED IS USING FC	MASKS-PW STAFF	875.20	
	QUIK-TRIP	GAS	18.04	
	QUIK-TRIP	GAS	19.35	
	RACOR BOATSTORE W9 NEEDED IF, USIN	AIR HORNS/AQUATIC CENTER	139.89	
	RECREATION & PARK ASSOCIATION, KAN:	JOB POSTING-PW MAINT WORKER-CONCRETE	75.00	
	RECREATION & PARK ASSOCIATION, KAN:	JOB POSTING-PW MAINT WORKER-ASHPALT	75.00	
	RECREATION & PARK ASSOCIATION, KAN:	JOB POSTING-PW SPECIALIST CONCRETE	75.00	
	RECREATION & PARK ASSOCIATION, KAN:	JOB ADVERTISEMENT-PARKS MAINT. WORKER	95.00	
	ROSATIS OF OVERLAND PARK INC	LUNCH-SENIOR GUEST DAY	644.65	
	SAFE KIDS WORLDWIDE	TECH RECERTIFICATION FEE-SCHULZE	55.00	
	SCHEELS OVERLAND PARK, W9 NEEDED	LIFE JACKETS/AQUATIC CENTER	174.93	
	SHAWNEE MISSION POST	DIGITAL SUBSCRIPTION	1.00	
	SPOTIFY, NEED W9 FOR AP	MUSIC SUBSCRIPTION FOR BUILDING	9.99	
	STORAGEMART 0130	2020 STORAGE	239.99	
	STORAGEMART 0130	MONTHLY RENT	399.99	
	STREET COP TRAINING	ON-LINE TRAINING -STREET ACADEMY	700.00	
	SURVEYMONKEY INC	ANNUAL FEE	336.00	
	TARGET NEED W9 FOR A/P	STATIONARY & OFFICE SUPPLIES	8.71	
	TARGET NEED W9 FOR A/P	PENCIL SHARPENERS	1.50	
	TARGET NEED W9 FOR A/P	SHOWER LINERS/RINGS POOL BATHROOMS	40.38	
	TARGET NEED W9 FOR A/P	WATER	14.45	
	UNIVERSITY OF KS	ON-LINE TRAINING-ROBBINS	150.00	
	UNIVERSITY OF KS	TRAINING-KLETC FIREARMS TRAINING/MAIS	483.00	
	US FLEET TRACKING	MONTHLY CHARGES	39.95	
	US POSTMASTER	RETURN POSTAGE FOR PART	9.90	
	US POSTMASTER	PRIORITY MAIL	7.75	
	VISTA PRINT	COOLER BAGS	971.39	
	VISTA PRINT	REFUND-SALES TAX	-80.98	
	WALGREEN'S	BATTERIES	19.99	
	WALGREEN'S	DRINKS FOR LUNCH,STAFF GIFT CARDS	112.37	
	WALMART W9 NEEDED FOR A/P	HAND SANITIZER AND WIPES	71.28	

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
	WALMART W9 NEEDED FOR A/P	PLASTIC SPOONS/AQUATIC CENTER	13.44	
	ZOOM US, NEED W9 FOR AP	ZOOM MONTHLY FEES	326.00	
	ZOOM US, NEED W9 FOR AP	TOOLBOX SHOP TOWELS DISPENSER BUCKET	51.32	27,264.45
16240820	EVERGY	POWER SERVICE	26.47	26.47
16400820	EVERGY	POWER SERVICE	151.27	151.27
16540820	EVERGY	POWER SERVICE	36.51	36.51
18380820	EVERGY	POWER SERVICE	351.12	351.12
24100820	EVERGY	POWER SERVICE	123.30	123.30
26170820	EVERGY	POWER SERVICE	64.42	64.42
42030820	EVERGY	POWER SERVICE	33.03	33.03
50420820	EVERGY	POWER SERVICE	21.07	21.07
58830820	EVERGY	POWER SERVICE	71.84	71.84
59120820	EVERGY	POWER SERVICE	32.35	32.35
64340820	EVERGY	POWER SERVICE	136.71	136.71
65430820	EVERGY	POWER SERVICE	36.54	36.54
75520820	EVERGY	POWER SERVICE	19.95	19.95
81180820	EVERGY	POWER SERVICE	43.95	43.95
83130820	EVERGY	POWER SERVICE	155.63	155.63
94100820	EVERGY	POWER SERVICE	30.53	30.53
96510820	EVERGY	POWER SERVICE	46.77	46.77

141 checks in this report.

Grand Total All Checks: 267,961.25

7A.

CITY OF LEAWOOD
Check Date 08/12/2020
Ordinance 2020-30

Final Check List

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107932	US POSTMASTER	POSTAGE FOR 2020 FALL/WINTER PROGRAM	4,800.00	4,800.00
107933	AA WHEEL AND TRUCK SUPPLY INC	CREDIT MEMO	-75.00	
		CREDIT MEMO	-150.00	
		BOX KIT, BRAKE DRUM	407.14	
		BOX KIT, BRAKE DRUM	407.14	
		BRAKE DRUM, BOX KIT #449	332.14	921.42
107934	ACUSHNET CO - FOOTJOY	PROSHOP MERCHANDISE	66.41	
		PROSHOP MERCHANDISE	284.05	350.46
107935	ACUSHNET CO - TITLEIST	PROSHOP MERCHANDISE	266.49	
		PROSHOP MERCHANDISE	894.24	
		PROSHOP MERCHANDISE	188.36	
		PROSHOP MERCHANDISE	894.24	
		PROSHOP MERCHANDISE	670.26	2,913.59
107936	AIRGAS MIDSOUTH	NECK COVERING FACEMASK	128.47	128.47
107937	BAC LOCAL 15	COVID REFUND IRONWOODS	275.00	275.00
107938	BARNETT, BRET	COMM CLASS A	36.75	36.75
107939	BIELAK, DONALD	2020 Tuition Reimbursement - Dony Bielak	621.00	621.00
107940	BLACK & MCDONALD	TENNIS COURT LIGHTS @ CITY PARK	253.62	
		2020 STREET LIGHT AND TRAFFIC SIGNAL	2,740.00	
		2020 STREET LIGHT AND TRAFFIC SIGNAL	202.88	3,196.50
107941	C & C GROUP DIVISIONS	BUILDING MAINTENANCE REPAIRS	1,883.50	1,883.50

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107942	CALLAWAY GOLF CO	PROSHOP MERCHANDISE	918.50	
		PROSHOP MERCHANDISE	522.51	
		CREDIT MEMO	-240.00	
		CREDIT MEMO	-72.00	1,129.01
107943	CARQUEST AUTO PARTS	BRAKE SPRING	83.71	83.71
107944	CDW GOVERNMENT INC	SERVER DRIVES	4,050.00	
		NAS SERVER	10,325.00	
		VMWARE SOFTWARE LICENSE	4,026.54	18,401.54
107945	CERTIFIED LABORATORIES	SPILL PALLET	543.92	
		DOUBLE CONTAINMENT SPILL SAFETY SYSTEM	1,011.67	1,555.59
107946	CHARLESWORTH CONSULTING LLC	6TH INSTALLMENT CONSULTING FEE	500.00	
		7TH INSTALLMENT - CONSULTING FEE	500.00	1,000.00
107947	CLARKS TOOL	RATCH SET	199.95	
		SUPPLIES	855.90	1,055.85
107948	COMMERCIAL AQUATIC SERVICES	PULSAR DISCHARGE VALVE ASSEMBLY	50.00	50.00
107949	CONCRETE MATERIALS INC	FLOWABLE BACKFILL, LOAD CHR	276.00	
		SUPPLIES, LOAD CHR	402.00	678.00
107950	CORPORATE ARMOR TECH LLC	FORTIGATE 40F FIREWALL	3,622.57	3,622.57
107951	CORPORATE HEALTH KU MEDWEST	POST OFFER EXAMS	975.00	975.00
107952	CROFT TRAILER SUPPLY INC	A-FRAME	22.37	
		D RINGS	19.76	42.13
107953	CUES INC	BACK-UP CAMERA FOR NEW PUBLIC WORKS	3,435.09	3,435.09
107954	DAVID R PARSLEY & ASSOC. LLC	HEAT INDEX BAND	900.00	900.00
107955	DOCUMART INC	PUBLIC HEARING NOTICES	718.57	718.57
107956	DREXEL TECHNOLOGIES	ANNUAL SERVICE FOR CUTTER-PLOTTER,	63.07	63.07

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
107957	E EDWARDS WORK WEAR INC	UNIFORM/CLOTHING	404.92	404.92
107958	ELECTRONIC TECHNOLOGY INC	AXIS P3717-PLC CAMERA GENETEC CAMERA LICENSE UPGRADE TO	1,147.00 4,032.35	5,179.35
107959	EMPLOYERS RESOURCE LLC	LEADERSHIP TRAINING	150.00	150.00
107960	EVERGY	1ST AND FINAL PAY FOR POWER BURIAL	2,344,479.00	2,344,479.00
107961	EXCEL LINEN SUPPLY	LINEN CLEANING	36.79	36.79
107962	EZLINKS GOLF LLC	ONLINE TEE TIMES	985.00	985.00
107963	FORCE AMERICA LLC	10MB FLAT DATA PLAN 10MB FLAT DATA PLAN	225.00 225.00	450.00
107964	GALLS LLC	CROWD CONTROL GEAR UNIFORM PANTS NAMETAG	2,324.85 150.00 19.26	2,494.11
107965	GIBSON, RICHARD C	HARD@PLAY BAND	1,000.00	1,000.00
107966	GJO HOLDINGS, DBA PRO ELECTRIC	BUILDING MAINTENANCE SERVICE	857.00	857.00
107967	GPSI LEASING II - ACCORD LLC	REPAIR DAMAGED GPS UNIT REPAIR DAMAGED GPS UNIT	215.00 430.00	645.00
107968	GRAINGER INC	CREDIT MEMO BULBS BUILDING MAINTENANCE SUPPLIES BUILDING MAINTENANCE SUPPLIES BUILDING MAINTENANCE SUPPLIES CREDIT REFUND FOR BULBS	-43.65 707.04 13.41 156.88 55.15 -707.04	181.79
107969	GREAT PLAINS ROOFING, BLDG O	ROOF & GUTTER SERVICE	450.00	450.00
107970	GT GOLF SUPPLIES	ECK GRIPS LOGS LOGS	78.11 43.60 84.01	205.72

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
107971	HEN HOUSE BALLS FOOD STORES	LUNCH SALE DAY	43.18	43.18
107972	HINCKLEY SPRINGS	BOTTLED WATER	79.97	79.97
107973	ICE-MASTERS, LLC	SUBSCRIPTION FEE SUBSCRIPTION FEE	157.00 90.00	247.00
107974	IFAMILY KC LLC	1/2 PAGE AD FIELD TRIP GUIDE	545.00	545.00
107975	INDUSTRIAL SALES CO INC	RB M45700 ESP40SITEW CONTROLLER~ IRRIGATION BOOSTER PUMP FOR GEZER PARK	3,779.68 25,065.00	28,844.68
107976	INLAND TRUCK PARTS COMPANY	DUST SHIELDS HUB CAP, OIL SEAL	249.10 99.94	349.04
107977	IPROMOTEU INC	DAVIDSON PROMO - HAND SANITIZER FACE MASK EAR SAVER	1,355.35 527.61	1,882.96
107978	IRONHORSE GOLF CLUB	MEETING EXPENSE	40.00	40.00
107979	J M FAHEY CONSTRUCTION CO	2020 BLANKET PO FOR ASPHALT - ASPHALT	1,039.60 128.00	1,167.60
107980	K&W UNDERGROUND INC	FIBER REPAIR - 119TH & MISSION FIBER CONNECTION - BVSD	2,220.00 4,365.00	6,585.00
107981	KANSAS STATE TREASURER	BATCH# 54320	7,499.00	7,499.00
107982	KC BOBCAT INC	REPAIR BOBCAT	950.72	950.72
107983	KEY EQUIPMENT & SUPPLY CO	HOSE REEL	933.67	933.67
107984	KINCAID READY MIX	CONCRETE	634.00	634.00
107985	KITCHEN SOLUTIONS, FILTA ENVIRONMEN	FILTAFRY SERVICE	45.00	45.00
107986	KNIFE MAN, THE	KNIFE SERVICE	45.00	45.00
107987	KNOWBE4 INC	CYBERSECURITY TRAINING RENEWAL	3,950.10	3,950.10
107988	LASER CYCLE INC	COMP TONER	94.99	94.99

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
107989	LAZER-PIPES SERVICES INC	UNIT 449	330.00	330.00
107990	LEAGUE OF KS MUNICIPALITIES	JOB POSTINGS	200.00	200.00
107991	LESLIES POOL SUPPLIES INC	MATERIALS & SUPPLIES	66.08	66.08
107992	LOWES	HARDWARE SUPPLIES	2,224.99	2,224.99
107993	MCCLURE ENGINEERING CO	2017-2018 PROF.SVS FOR TM-04-008 LW S. S	2,200.64	
		2017-2018 PROF.SVS FOR TM-04-008 LW S. S	10,483.66	
		2017-2018 PROF.SVS FOR TM-04-008 LW S. S	8,810.60	21,494.90
107994	MCKEEVERS PRICE CHOPPER	MATERIALS & SUPPLIES	18.98	18.98
107995	MICRO CENTER AR	SUPPLIES	119.98	
		ETHERNETS	187.93	
		MONITORS	189.97	
		TONERS	321.95	819.83
107996	NEXBELT, LLC	PRO SHOP MERCHANDISE	78.26	78.26
107997	NEXT TO NATURE LANDSCAPE LLC	PARKS TRAFFIC MEDIAN MOWING CONTRACT	1,341.11	1,341.11
107998	OBIJI, MISHEA	CLEANING	150.00	
		CLEANING	50.00	200.00
107999	OGILVIE, AARON	2020 Tuition Reimbursement - Aaron	390.00	390.00
108000	O'REILLY AUTO PARTS	VEHICLE SUPPLIES	47.94	47.94
108001	PEERFIT INC	PEERFIT DUES - JULY	1,507.50	1,507.50
108002	PEPSI BEVERAGES COMPANY	BEVERAGES	364.09	
		BEVERAGES	541.30	905.39
108003	PROGRESSIVE ELECTRONICS INC	FIRE ALARM MONITORING	84.00	
		FIRE ALARM MONITORING	84.00	168.00

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
108004	Q4 INDUSTRIES LLC	MATERIALS & SUPPLIES	953.48	
		REFUND TISSUE	-607.43	
		TOILET PAPER	267.00	
		SUPPLIES	983.85	
		CUPS, TOWELS	626.78	
		PAPER TOWELS, LYSOL	271.13	
		TISSUES	79.95	
		2020 BLANKET PO FOR BUILDING SUPPLIES	1,286.02	3,860.78
108005	RAMAIR INC	HVAC FILTERS	420.94	
		HVAC FILTERS	22.23	
		HVAC FILTERS	46.78	489.95
108006	REGAL PLASTIC SUPPLY CO	ACRYLIC SHEETS TO MAKE COVID GUARDS IN	1,724.58	1,724.58
108007	REINHART FOODSERVICE	PREPARED FOOD	743.07	
		PREPARED FOOD	751.81	
		PREPARED FOOD	732.67	2,227.55
108008	ROMA BAKERY	PREPARED FOOD	44.40	
		PREPARED FOOD	42.36	86.76
108009	SHRED-IT USA LLC	SHREDDING SERVICE	389.84	389.84
108010	SOUTH KANSAS CITY STORAGE	ANNUAL PAYMENT FOR STORAGE UNITS	1,320.00	
		ANNUAL PAYMENT FOR STORAGE UNITS	360.00	
		ANNUAL PAYMENT FOR STORAGE UNITS	1,320.00	3,000.00
108011	STALLARD TECHNOLOGIES INC	BACKUP SERVER	2,750.00	2,750.00
108012	STAPLES BUSINESS ADVANTAGE	WIPES	100.83	
		PILOT PENS	11.39	
		STENO BOOKS	19.29	
		SYMMETRY PRO CASES	259.28	
		LAMINATING LTRS	43.26	434.05
108013	STARGUARD ELITE, LLC	LIFEGUARD CERTIFICATION	35.00	35.00
108014	SUMMIT TRUCK GROUP	CLAMPS	106.91	106.91

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
108015	SUNFLOWER TOW SERVICE LLC	TOWING	132.00	132.00
108016	SUPERIOR BOWEN	2020 RESIDENTIAL MILL & OVERLAY PROJECT	921,359.80	921,359.80
108017	TEES PLEASE INC	TEES	414.70	414.70
108018	TIME WARNER CABLE	BUSINESS TV	36.79	36.79
108019	TOMPKINS INDUSTRIES INC	TUBES, NUTS, SLEEVES	28.65	28.65
108020	TOWN & COUNTRY BLDG SERVICES	CLEANING SERVICES @ JC - AUG AUGUST CLEAN 2020 BLANKET PO TO COVER ANNUAL AUG CLEAN LOWER	5,150.00 695.00 1,280.00 950.00	8,075.00
108021	TRANSIMPEX TRANSLATORS INC	INTERPRETATION SERVICE	255.20	255.20
108022	TRANSUNION RISK & ALTERNATIVE	PROFESSIONAL INVESTIGATIVE SERVICES	50.00	50.00
108023	TROON GOLF LLC	COOP MKTG Services - Troon 2020	12,265.95	12,265.95
108024	UNIFIRST CORPORATION	NYLON MATS	137.96	137.96
108025	VANCE BROS INC	ASPHALT ASPHALT	347.15 265.53	612.68
108026	WASTE MANAGEMENT OF KANSAS INC	TRASH DISPOSAL TRASH DISPOSAL TRASH DISPOSAL TRASH DISPOSAL	324.52 195.92 345.96 363.03	1,229.43
108027	WATER DISTRICT 1 JO CO	WATER SERVICE	810.84	810.84
108028	WCA WASTE SYSTEMS INC	RECYCLING SERVICE	212.96	212.96
108029	WEST PUBLISHING CORP, A, THOMSON RI	WEST INFO CHARGES	666.30	666.30
108030	WESTPORT GLASS INC	WINDOW REPLACEMENT	555.00	555.00
108031	WEX BANK	MOTORCYCLE FUEL	158.39	158.39

<u>Check #</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount Paid</u>	<u>Check Total</u>
108032	WORLD FUEL SERVICES INC	BLANKET PO FOR 2020 FUEL EXPENSES -	12,639.10	12,639.10
108033	ZEROREZ OF KANSAS CITY LLC	UPHOLSTERY CLEANING	458.00	458.00

102 checks in this report.

Grand Total All Checks: 3,465,289.56

Regular Meeting

THE LEAWOOD CITY COUNCIL

August 3, 2020

Minutes

Councilmembers present: Lisa Harrison, Jim Rawlings, Chuck Sipple, James Azeltine and Mary Larson

Councilmembers present via Zoom: Debra Filla, Andrew Osman and Julie Cain

Councilmembers Absent: none

Staff present: Scott Lambers, City Administrator	Patty Bennett, City Attorney
Dawn Long, Finance Director	Ross Kurz, Information Services Director
Captain Brad Robbins, Police Department	Chief Colin Fitzgerald, Fire Department
Chris Claxton, Parks and Rec Director	Nic Sanders, HR Director
David Ley, Public Works Director	Mark Tepesch, Info. Services Specialist III
Kelly Varner, City Clerk	Stacie Stromberg, Assistant City Clerk
Megan Haines, Firefighter	Damon Harrison, Firefighter
Brooke Harshaw, Firefighter	

Staff present via Zoom: Richard Coleman, Planning Director

Others present: David Arteberry, Stifel Financial Corp.

Others present via Zoom: Ben Thompson, Gilmore & Bell; Linda Divine, constituent

1. PLEDGE OF ALLEGIANCE

2. APPROVAL OF AGENDA

Mayor Dunn stated the City Administrator will give a brief report on a modification to Item 10 on the agenda .

A motion to approve the amended agenda was made by Councilmember Rawlings, seconded by Councilmember Sipple. Motion was approved with a unanimous roll-call vote of 8-0.

3. CITY CLERK STATEMENT

To reduce the likelihood of the spread of COVID-19 and to comply with social distancing recommendations, this meeting of the Leawood Governing Body is being conducted remotely using the Zoom media format and some of the members of the Governing Body are appearing remotely. The meeting is being livestreamed on YouTube and the public can access the livestream by going to www.leawood.org/.

Public comments on non-agenda items will not be accepted during this meeting. Public comment on agenda items not requiring a public hearing may not be accepted. As always, public comment on any agenda item can be submitted in advance. Written public comments received at least 24

hours prior to the meeting have been distributed to members of the Governing Body prior to the meeting. Public comments should be directed to LeawoodPublicCommentGB@leawood.org.

4. PROCLAMATIONS - None

- 5. PRESENTATIONS/RECOGNITIONS** Introduction of new Firefighters Megan Haines, Damon Harrison and Brooke Harshaw

Fire Chief Colin Fitzgerald introduced three new Firefighters who have joined the Department and gave a brief summary of their education and backgrounds. Mayor Dunn asked at what station they will be assigned. Chief Fitzgerald stated they will all be working from Station #2 but on different shifts. Mayor Dunn thanked them for choosing the City of Leawood. She added she was disappointed the intern from France was not able to come this year. Chief Fitzgerald agreed and stated it would have been the 10th year for an intern.

6. SPECIAL BUSINESS

- A. Public Hearing Consider the 2021 Fiscal Budget for the City of Leawood, Kansas

Mayor Dunn opened the public hearing. Having no advance comments or questions through the City Clerk's office, via Zoom or in person, Mayor Dunn closed the public hearing.

A motion to approve Item 6A was made by Councilmember Filla, seconded by Councilmember Larson. Motion was approved with a unanimous roll-call vote of 8-0.

- B. Resolution adopting the Fiscal Year 2021 annual budget for the City of Leawood, Kansas

Mayor Dunn stated the memo provided from the City Administrator and Director of Finance mentions the many months of review and discussion by professional staff, the Governing Body, and the Budget and Finance Committee. Mayor Dunn thanked everyone involved.

Councilmember Harrison asked Dawn Long, Director of Finance, if the date of the pre-budget public hearing was held on April 6th. Ms. Long stated that the public hearing was scheduled on April 6th but did not occur due to the COVID closure of City Hall. Ms. Long stated she will email the Governing Body a memo with the corrected date.

A motion to approve Item 6B as corrected was made by Councilmember Azeltine, seconded by Councilmember Sipple. Motion was approved with a unanimous roll-call vote of 8-0.

Councilmember Sipple asked Ms. Long if any members of the public requested a copy of the proposed budget. She stated she received no requests.

The Mayor stated there is a certificate that needs signed by each member of the Governing Body. Kelly Varner, City Clerk, stated she would make arrangements to acquire signatures from those Councilmembers appearing remotely via Zoom.

- C. Ordinance authorizing and providing for the issuance and delivery of \$33,370,000 General Obligation Temporary Notes, Series 2020-1, of the City of Leawood, Kansas, to

provide funds to finance the cost of certain public improvement projects within the City; providing for the levy and collection of an annual tax, if necessary, for the purpose of paying the principal of and interest on said notes as they become due; authorizing certain other documents and actions in connection therewith; and making certain covenants with respect thereto [ROLL CALL VOTE] (F)

Ms. Long introduced David Arteberry to give his summary of the temporary notes and bond sale earlier that day. Ms. Long reported they received six bids on the temporary notes and four bids on the bonds. She added that the rates were very favorable. She provided the Governing Body an updated memo at the dais.

Ms. Long stated the City received a rate of .319% on the notes. On the bonds, the City received a rate of .534%.

Mr. Arteberry addressed the Governing Body. He stated he was pleasantly surprised at the aggressive bids, turn out and the low interest rate. Mr. Arteberry mentioned that Councilmember Sipple sat in on the bidding.

A motion to approve Item 6C was made by Councilmember Harrison, seconded by Councilmember Sipple. Motion was approved with a unanimous roll-call vote of 8-0.

- D. Resolution prescribing the form and details of and authorizing and directing the issuance, sale and delivery of \$33,370,000 General Obligation Temporary Notes, Series 2020-1, of the City of Leawood, Kansas; providing for the levy and collection of an annual tax, if necessary, for the purpose of paying the principal of and interest on said notes as they become due; making certain covenants and agreements to provide for the payment and security thereof; and authorizing certain other documents and actions connected therewith (F)

A motion to approve Item 6D was made by Councilmember Azeltine, seconded by Councilmember Larson. Motion was approved with a unanimous roll-call vote of 8-0.

- E. Ordinance authorizing and providing for the issuance and delivery of \$2,080,000 General Obligation Refunding Bonds, Series 2020-A, of the City of Leawood, Kansas for the purpose of refunding certain outstanding taxable general obligation bonds of the City; providing for the levy and collection of an annual tax for the purpose of paying the principal of and interest on said bonds as they become due; authorizing certain other documents and actions in connection therewith; and making certain covenants with respect thereto [ROLL CALL VOTE] (F)

Ms. Long stated that originally the amount to bond was for \$2,460,000, but the City received a large premium when they received the bid. The Finance Department was able to reduce the bond issuance to \$2,080,000.

Councilmember Azeltine asked about the other amounts listed on the ordinances from 2017 and 2018. Mr. Arteberry stated those amounts were from the original principal amounts. He stated the figure represents about \$2M worth of principal on two bonds issued that come due September 1, 2020. The refinancing created about \$2.4M of relief in the debt services fund.

A motion to approve Item 6E as amended was made by Councilmember Filla, seconded by Councilmember Azeltine. Motion was approved with a unanimous roll-call vote of 8-0.

- F. Resolution prescribing the form and details of and authorizing and directing the sale and delivery of \$2,080,000, General Obligation Refunding Bonds, Series 2020-A, of the City of Leawood, Kansas, previously authorized by Ordinance No. 3009 of the City; making certain covenants and agreements to provide for the payment and security thereof; and authorizing certain other documents and actions connected therewith (F)

A motion to approve Item 6F as amended was made by Councilmember Cain, seconded by Councilmember Sipple. Motion was approved with a unanimous roll-call vote of 8-0.

- G. Discussion of Fireworks Display

Councilmember Azeltine asked if Lee Blvd. will be open by Labor Day. David Ley, Director of Public Works, addressed the Governing Body and stated because of the weather it is delayed until mid-September. Mayor Dunn mentioned other cities' displays were also cancelled for the 4th of July, so Leawood was not alone.

A motion to approve Item 6G with regret to not move forward with a fireworks display on Labor Day was made by Councilmember Rawlings, seconded by Councilmember Filla. Motion was approved with a unanimous roll-call vote of 8-0.

7. CONSENT AGENDA

Consent agenda items have been studied by the Governing Body and determined to be routine enough to be acted upon in a single motion. If a Councilmember requests a separate discussion on an item, it can be removed from the consent agenda for further consideration.

- A. Accept Appropriation Ordinance Nos. 2020-27 and 2020-28
- B. Accept minutes of the July 20, 2020 Governing Body meeting
- C. Accept minutes of the June 9, 2020 Parks and Recreation Advisory Board meeting
- D. Accept Minutes of the May 5, 2020 Ironhorse Advisory Board meeting
- E. Accept Minutes of the March 12, 2019 Historic Commission meeting
- F. Resolution approving and authorizing the Mayor to execute an extension to that certain Financial Services Agreement dated August 17, 2015, between the City and Commerce Bank to provide certain banking service needs to the City of Leawood for a term ending December 31, 2021(F)
- G. Resolution approving and authorizing the Mayor to execute an Architectural Services Agreement in an amount of \$195,500.00 between the City and SFS Architecture, Inc., pertaining to the design of the new pool house at the Aquatic Center [Project #71028] (PR)
- H. Resolution approving and authorizing the Mayor to execute an Artwork Sale & Ownership Agreement in the amount of \$37,500 between the City and John King, pertaining to the purchase of public art piece "Skywriting 1" (PR)
- I. Resolution approving and authorizing the Mayor to execute a Services Agreement in the amount of \$39,750.00 between the City and K&G Striping Inc. pertaining to the installation of pavement markings and crosswalk beacons at 89th and Lee Boulevard and 85th Terrace [Project 72054] (PW)

- J. Resolution approving an eligible facilities request for the replacement of antennae and the replacement and addition of associated equipment at the Ira Stein cell tower for AT&T, located north of 135th Street and east of Nall Avenue (PC Case 55-20) (PC)
- K. Resolution requesting Johnson County, Kansas, participation in the City of Leawood's Five-Year Capital Improvement Program through the 2021-2025 County Assistance Road System (C.A.R.S.) (PW)
- L. Approve an expenditure in the amount of \$91,325.00 to Kansas City Freightliner for the purchase of One (1) 2021 MY Freightliner 108SD, tandem axle truck using an MACPP Bid (PW)
- M. Request to approve 1st and Final Payment in the amount of \$2,344,479.00 to EVERGY pertaining to the undergrounding of power lines on Mission Road, 119th to 127th Street [Project 82065]
- N. Declaration of surplus property: (1) Kerosene Heater, (1) pallet of building lights, (1) Troy Built Pony Ground Tiller, (2) Generators, (1) Concrete Stinger, (3) Chain Saws, (1) Concrete Saw and (1) Compactor (PW)

Councilmember Rawlings pulled Item 7G.

Councilmember Filla pulled Item 7I.

A motion to approve the remainder of the Consent Agenda was made by Councilmember Sipple, seconded by Councilmember Cain. Motion was approved with a unanimous roll-call vote of 8-0.

Councilmember Rawlings asked if the old pool house will be completely torn down. He stated he is pleased the pumps and electrical will be repurposed, and believed this structure was originally built in 1974. Chris Claxton addressed the Governing Body and stated the filters will be replaced, but the plan is to totally re-design the building.

A motion to approve Item 7G was made by Councilmember Rawlings, seconded by Councilmember Sipple. Motion was approved with a unanimous roll-call vote of 8-0.

Councilmember Filla complimented the City Administrator and Public Works staff for their quick implementation and execution with fixing the crosswalk markings at 89th and 85th Terrace.

A motion to approve Item 7I was made by Councilmember Filla, seconded by Councilmember Azeltine. Motion was approved with a unanimous roll-call vote of 8-0.

8. MAYOR'S REPORT

- A. Our sincere sympathies to the family and friends of Senator Dick Bond, who passed away on July 23, 2020. Dick was appointed to the Kansas Senate in 1986 and then elected to three four-year terms. In 1997 until 2001, he served as Senate President. He was well respected by officials from both parties and did an amazing job of working across the aisle. Please join in a moment of silence.
- B. The July 22, 2020 *913* section of the *Kansas City Star* featured an article on Leawood's rich history. My thanks to special reporter Martha Zirschky for her efforts to document so accurately.

9. COUNCILMEMBERS' REPORT

Councilmember Debra Filla

Regarding Leawood Development Ordinance
Home Occupations Regulations

Councilmember Filla stated she was contacted by Linda Divine regarding a request to provide marriage counseling services out of her home. Councilmember Filla requested a review of the Lenexa Development Ordinance because this is not currently covered in the LDO.

Councilmember Filla stated Ms. Divine would expect about 4 visits a day from clients. She stated Ms. Divine has received the approval from her neighbors, and that she lives on a cul-de-sac. Councilmember Filla said the LDO allows for a pre-school in a home with up to 6 people in the home business. She stated she understood there are limits in the LDO for pre-schools, and in talking to the City Administrator, wondered about a Special Use Permit. She asked if staff would review the LDO and whether or not changes could be done due to COVID restrictions, as she expects more people will be working from home.

A motion to approve Item 9 for staff review of the Home Occupations Regulations was made by Councilmember Filla, seconded by Councilmember Harrison. Motion was approved with a unanimous roll-call vote of 8-0.

Mr. Lambers stated staff could review this request and report back to Council by the first meeting in September. Councilmember Harrison stated she is in favor of home-based businesses, but asked that staff consider the location for parking on cul-de-sacs, the number of cars at one time, and street vs. driveway parking. Councilmember Harrison stated she was also in favor of Ms. Divine getting a Temporary Use Permit, so it can be reviewed again after 6 months.

Mayor Dunn mentioned public safety, such as fire trucks having street access or site restrictions in cases of emergency.

Councilmember Filla corrected herself stating Ms. Divine lives on a circle drive, not a cul-de-sac.

Councilmember Cain mentioned there is a day care business next door to her home that she enjoys. She stated there are other things to consider in terms of the possibility of extra children, noise, and time of day.

Mayor Dunn stated some home owners associations may have deed restrictions that supersede what the City may allow, and staff would have to be mindful of any decisions covering the entire City.

Councilmember Rawlings stated the review should be more encompassing as more and more people perform their normal work from home.

Mr. Lambers stated he will instruct staff to review nearby cities' home occupation permitting regulations, and if they have had any recent changes due to COVID. He stated there is the issue of balance in protecting the character of a neighborhood vs. allowing commercial use, and the current climate favors residential neighborhoods.

Mayor Dunn allowed Councilmember Cain to add an item to the Councilmembers' Report.

Councilmember Cain stated she was contacted by a neighbor regarding their purchase and installation of a large, 14-ft across, above-ground pool at their home. Councilmember Cain stated she told the neighbor that for many decades the City of Leawood has not allowed above-ground pools. Councilmember Cain then reached out to Richard Coleman, who stated several of these types of pools have popped up within the City this year. Mr. Coleman told Councilmember Cain those homeowners have received courtesy notices and, as far as she knows, the pools have been taken down.

Councilmember Cain stated this particular neighbor's pool has a cover, a fence surrounding it, and includes a lock. She continued that the family has four front-line workers in the medical profession and their children are on lockdown. She was told if the family does not comply with the current code by this Friday, they are subject to a citation and fine of \$100/day.

Mr. Lambers commented that this can be a sensitive issue, yet it has been a long-term policy. He stated he would work with the family in this case, so that there would not be a fine but warns the Council changes to this policy should be done with great care and consideration. Mr. Lambers continued stating that if the LDO was changed, it would take considerable time to go through the process, and recommended a public hearing be scheduled before beginning the LDO process.

Mayor Dunn pointed out the City pool is open.

Councilmember Harrison stated she is not fond of the old above-ground, aluminum pools, but she understands some people cannot attend a public pool for various reasons. She is willing to agree to a temporary suspension of enforcement related only to the COVID crisis.

Mayor Dunn stated there may also be individual HOA deed restrictions regarding above-ground pools.

Councilmember Cain stated she was told by Mr. Coleman that in this particular case another resident was notified by the City to comply with the current code, but then questioned why his neighbor was apparently allowed to keep their pool. Councilmember Cain stated if the Council did decide to allow a temporary suspension, she believed other residents who already complied should be given the same allowance.

Councilmember Cain stated the neighbor acknowledged the City's code restrictions of above-ground pools, but believed they were being more socially responsible by not attending the City and neighbor pools, since they have more possible exposure to COVID as front-line workers.

Councilmember Azeltine agreed with Mr. Lambers in terms of the sensitivity of the issue. He stated other residents may have gone through the expense of in-ground pools and believes a temporary suspension could be messy and confusing. If they decided to change the LDO, it should be permanent, but until then, the current ordinance should be enforced.

Councilmember Osman agreed with Councilmember Azeltine that this could be a slippery slope. He stated if more and more homeowners installed above-ground pools, believing the City does not take action against the current restrictions due to COVID or allows an above-ground pool temporarily, it could create the potential for homeowners to use the same reasons to keep them up every year. Councilmember Osman stated some of the above-ground pools can be expensive and not easily taken down. He feels homeowners should do their due diligence before making that purchase. He agreed

with Mr. Lambers in allowing time for this particular homeowner to comply, but does not feel this should be a long-term option.

Mayor Dunn stated the City tries to be consistent to avoid complaints. She liked Mr. Lambers' suggestion of giving this homeowner time to comply without a fine.

Councilmember Filla stated she appreciates the Council's discussion. She would like for Mr. Lambers to work with homeowners on any COVID-related exceptions to the current code. Mr. Lambers stated he does not believe COVID will go away anytime soon, so if the Governing Body would like to have a work session to discuss a decision for next summer, he suggested a time in January. He stated he has the flexibility to work with this homeowner to come into compliance and consistency.

Mayor Dunn stated if a work session is planned there needs to be some research and communication with the HOAs to see what is allowed and to notify them of a public hearing. Mr. Lambers stated a work session could be planned for January so staff is prepared for next summer.

Councilmember Harrison stated, that in the City's communication with HOAs, she would like to see a distinction made between the temporary, inflatable, above-ground pools vs. permanent aluminum structures. Mr. Lambers stated the Governing Body would make the decision on what is allowed.

10. CITY ADMINISTRATOR REPORT

Mr. Lambers stated he was directed to go through the MARC Climate Action KC manual at the end of last year by members of the Council that would be relevant to the City of Leawood. He created a list with the intention to schedule a work session to discuss what he prepared. Mr. Lambers stated he will provide the Governing Body his memo and the manual in advance of the work session.

Mayor Dunn stated she previewed the considerable work Mr. Lambers did on the manual, and agreed it will take a work session to discuss.

Mr. Lambers stated he would like to plan a work session regarding the above-ground pools the second week in January and the Climate Action KC discussion at the first meeting in February that is not already taken. Mr. Lambers instructed Ms. Varner to include Finance staff members Kathy Byard, Dawn Long, and himself in the work session for the manual.

Councilmember Sipple thanked Mr. Lambers for his work and review on the manual.

Councilmember Osman requested a schedule or synopsis of all work sessions planned from now until February 2021 to be emailed to the Governing Body.

11. STAFF REPORT - None

COMMITTEE RECOMMENDATIONS

12. PLANNING COMMISSION - None

13. OLD BUSINESS - None

14. OTHER BUSINESS - None

15. NEW BUSINESS

A. Schedule Work Session – Discussion of refinancing of the Special Benefit District debt for the Villaggio August 17, 2020 at 6:00 P.M.

A motion to approve Item 15A was made by Councilmember Harrison, seconded by Councilmember Cain. Motion was approved with a unanimous roll-call vote of 8-0.

Councilmember Sipple requested ample lead time to review the materials for the SBD work session, and asked if it could be provided earlier than usual to the Council. Mr. Lambers stated the issue is not the financial details but rather the policy of Villaggio’s request of a new SBD debt of 15 years, extending it overall. Villaggio has a plan but Mr. Lambers stated it is separate from the aspect of the financial issue. He added the Council will not be discussing the plan, so as not to influence their decision.

Mayor Dunn asked if the materials would come from the developer. Mr. Lambers stated he has a draft copy of what will be presented, but said he will first get permission from the developer before distributing to the Council.

Councilmember Azeltine stated he had not heard of the term “collapse” in regards to a public finance breach, and asked if that was a refinance. Mr. Lambers stated it would be considered a payoff of the existing debt and acquiring new debt for different projects. Mr. Lambers stated the City has never been asked to do this before; therefore, there is no policy in place.

Councilmember Osman asked for Mr. Lambers to include with the draft presentation a history of the development, when their first SBD was requested and details, a schedule, site plan, and everything tangible prior to most of the members being on the Council.

Mr. Lambers stated he can provide the financing information, but the planning aspect needs to be separate.

B. Schedule Governing Body meeting on August 17, 2020 at 7:30 P.M.

A motion to approve Item 15B was made by Councilmember Rawlings, seconded by Councilmember Larson. Motion was approved with a unanimous roll-call vote of 8-0.

Mr. Lambers stated the Governing Body should expect the regular meetings to start at 7:30 p.m. from now until the end of the year with the exception of the second week in December.

ADJOURN

Meeting was adjourned at 8:54 PM

Bike/Walk Leawood

March 4th, 2020 MINUTES

Welcome

- Introductions to new member – Jaclyn Penn.

Approve Agenda

- Vice-Chair Jennings made a motion to approve the agenda. Bill Blessing seconded the motion. The motion passed unanimously.

Approve January 8th, 2020 Minutes

- Vice-Chair Jennings made a motion to approve the January 8th, 2020 minutes. Bill Blessing seconded the motion. The motion passed unanimously.

Kansas City Star's 913 Section

- Featured Johnson County Parks & Recreation's sixth month e-bikes experiment. On February 19th, they decided to allow Class 1 and Class 3 e-bikes on all its paved trails. Class 2 is throttled-operated and requires no pedaling from the rider is not allowed on the trails. Motorized scooters and segways are prohibited too.
- E-bikes promotes ridership, fun and family togetherness, and helps those with low stamina to participate.
- During the testing period there were few complaints. A survey resulted with 81% in favor of e-bikes.
- "It's a non-issue," Bill Maasen, the county's superintendent of parks and golf courses, said in a press release. "If there are interactions in a negative way on our trails regarding bikes, it's not the bike, it's the user."
- Class 1 and 3 e-bikes are not motorized vehicles and are allowed on the trails. Members discussed various motor vehicles, Class 2 e-bikes, and those with disabilities who want to use golf carts.
- The Metro Area Park Directors wrote a position statement recommending that every jurisdiction allow Class 1 and Class 3 e-bikes on their paved trails. Leawood currently allows Class 1, 2 and 3 e-bikes so we would already comply. We would have to change trail regulations to eliminate Class 2 e-bikes. Overland Park is in a testing period similar to Johnson County. Olathe allows all classes. Lenexa is allowing Class 1 and Class 3 e-bikes. Anderson was surprised agencies voted to recommend Class 3 and not allow Class 2 because the Class 3 assists the user up to 28 mph while the Class 2 has a 20 mph speed assist. The reason Class 2 fell out of favor was this e-bike can travel without the user pedaling at all.

Home Owners Association Booth Representation on 4/16/20

- Karry Rood volunteers to be the booth representative. Volunteers are welcome.
- Naming the trailhead kiosk area. Vice-Chair Jennings suggests showing the North and South Loops and a trailhead rendering. Maybe have a jar and paper slips for name suggestions at the HOA sustainability meeting.
- Bike/Walk KC and Bike/Walk Leawood can share a table.

Trail Centerline Striping

- Johnson County Parks started trail centerline striping along the Gary Haller trail for safety. It's been very positive with markings such as "bike stop ahead."
- Brian Anderson shared his experience cycling on striped trail noting that it greatly help keep trail users in their "lane" on a busy day. Leawood has their own equipment to do this. He asked for the committee's thoughts and if they would be in favor of adding a hashed centerline on the trails. Members are in favor of striping all the trails. It's a great idea.
- Trail etiquette signage was discussed.

Update on the Active Transportation Projects in the CIP Program – David Ley

For This Year's Projects

- 83rd Street from the west city limits to State Line Road (2021 Project).**

ATTENDEES

5:30 pm • Leawood City Hall
4800 Town Center Drive
Main Conference Room

Members

- Kevin Corbett, Chair
- Alicia Jennings, Vice-Chair
- Bill Blessing
- David Harwood
- Jaclyn Penn
- Ron Schikevitz

City Staff

- Chris Claxton
Director of Parks & Recreation
- Brian Anderson
Parks Superintendent
- Marica Putman
Administrative Graphics Tech
- David Ley, City Engineer
- Mark Klein, Planning Official
- Phil Goff, Police Officer
- Karry Rood, Police Admin
Services Coordinator

Guests

- Chuck Sipple, CM W3

- Complete reconstruction of the roadway. No outside curb, the width remains the same, everything else will be removed and replaced.
- Street lighting and power lines will be buried beginning later this year.
- Bike lanes from 83rd Street to 103rd Street.
- **Mission Road from Prairie Village by Corinth School to 95th Street**
 - Johnson County Wastewater has issues with their force mains. They will open cut Mission Road and replace that line. This is a one year project. Curbs in this section of north 92nd street cannot be over 2 ½ feet west. The road lanes will be narrower with a little more buffer between the curb and sidewalk.
 - In 2022 when Johnson County is complete, they will remove the existing sidewalk and go with a 5 foot sidewalk on the east side. Power lines will be buried later this year along with new street lights. This will be a two year project.
- **Lee Boulevard**
 - There is a public meeting tomorrow night. It goes from 83rd Street to 95th Street. It will be widen 2 feet and will have bike lanes. Lee Boulevard will have an edge curb to keep chunks of asphalt from landing in the yards. This section was broken into two phases. The north of 83rd Street will be completed next year. In 2022, it will be bid with the 83rd Street project and bided as one. The speed limit is 30 mph on Somerset and make the curve into Leawood it drops to 25 mph in front of the Somerset Shops and then 35 mph south of it. Speed studies will be done to determine whether they need to do adjust speed limits.
 - Lee Boulevard at I-435 will be reconstructed, starting this year. Johnson County Wastewater will raise the portion from Mission Road to their entrance to get them out of the flood plain during the heavy storm events. No sidewalks in that section. The trail will be relocated to the east of it.
- **Mission Road from 119th to 127th**
 - Will be finished soon. Bike lanes on both sides of the street and a sidewalk on the west side between 123rd and 124th streets.
- **Trail Extension Behind City Hall**
 - Parks project. Currently stops on the other side of Roe continuing south. They will tear out the sidewalk and put a 10 foot trail adjacent to Town Center Drive, taking it to the Tomahawk Creek Park Trail System. Flooding issues will be resolved and includes LED lighting. There will be a mid-block crossing between Justice Center/Town Center Drive and the apartment's entrance. There will be a rapid fire beacon.
- **South Loop**
 - Will be bided this month. Concerns prompted a new route, directing people to 123rd Street which has the new bike lanes and a new traffic signal. A spur was added off the loop but due to the concerns about Mission Road it was decided to wait for that project. [David Ley](#) explains the issues further.
- **143rd Street from Windsor and to Overbrook**
 - Under construction. At Kenneth Road, they are knocking down the hill for site distances for issues further south. The plan includes a 10 foot trail on the north side of 143rd Street and a 5 foot sidewalk on the south side. A house was purchased and fronts 143rd Street. A council goal was to put a bench and a water fountain at the property. This is the beginning of a road side trail that goes from Kenneth to Black Bob.

For Next Year's Projects

- 83rd Street.
- Mill and Overlay Kenneth Road. It will start at 135th Street. He shares what they have been doing.
- City Administrator Scott recommended to add a \$100,000 every other year to Public Works budget to maintain the trails that are adjacent to the curb. It passed. It used to be the adjacent property owner to maintain that. This is will be help maintain the trail system in good condition. They starting using that money at 133rd Street.

Goal Setting – Suggest Goals

- [Chair Corbett](#) recommends moving it to the next meeting.
- Review the mission statement for the goal setting session. Six meetings to discuss ongoing issues. [Chair Corbett](#) and [Brian Anderson](#) suggested the following:
 - Trail Communication – Signage, Etiquette, safety
 - Scorecard – What to Measure
 - Self-Propelled Leawood Plan Review/Update (last update: October 2014)
 - City Department Reports: South Loop, Loops, Trailhead
 - Set Next Meeting Date

City Department Reports – No Updates

Other

- Next meeting date will be May 6th subject to change.

✿ **Adjourn**

- Meeting adjourned.

Sustainability Advisory Board

February 14th, 2020 MINUTES

Welcome, Introductions, and News

- Members greet. Guests are welcomed and introduced.

The SAB meeting came to order

- Vice-Chair Harrison makes a motion to approve the agenda. Bill Schutte second. The motion passed unanimously.
- Vice-Chair Harrison makes a motion to approve the amended January 10th minutes. Bill Schutte second. The motion passed unanimously.

Master Calendar

- See Upcoming meetings below.

Recycling Market Update – Tom Coffman, VP – WCA in Harrisonville MRF (Materials Recovery Facility)

- Recycling is in flux nationally. The market is evolving rapidly and will likely continue to do so if it follows national trends. Other parts of the country are losing recycling programs or are cutting back on services offered to residences.
- He does not anticipate they will stop collecting recycle items in the near future.
- WCA purchased Town & Country in 2015. It is divided into a number of districts, Missouri has the North and South Districts. District managers have great autonomy to control their flows.
- Last month, Malaysia announced they were returning trash back to the U.S. because they were discontinuing that business. The lack of Asian markets, especially after China closed the door a year earlier on accepting recyclables have hurt the business.
- Overview of recycling:
 - Trucks picks up items for recycle.
 - Much comes from 3rd party haulers (they pay WCA to process).
 - WCA's market is driven by residential materials today. Almost all commercial goes to the landfill.
 - At one time, there were waste stream programs because materials had value. This offset the cost of collection and processing and what was left over was company revenue. Those days are long since gone.
 - They do 74,000 tons of MRF per day which is 1 to 1.5 shifts.
 - They are good at sorting.
 - Contamination became an issue in the domestic market.
 - Major contaminators are plastic bags
 - Jams up equipment, loss of time and money
 - Easily contaminates, making material unrecyclable
 - Demands for "clean" materials are getting higher and higher.
 - WCA MRFs are in Harrisonville and Houston. The Harrisonville is about a \$12 million facility and they will continue to invest money into it to keep it viable. WCA will invest in 2020 in increased optical and robotic sorting. There are approximately 40 employees, typically one shift per day.
 - In 2019, the waste stream at the curb, residential single stream varies between week to week, month to month. On the presentation chart shown, the waste stream was 28% plastics by volume and 8% by tonnage.
 - People just do not always know how to recycle everything. More outreach and education is needed.
 - Members discussed the single stream process further and the presentation charts along with Q & A.

ATTENDEES

7:30 am • Leawood City Hall
4800 Town Center Drive
Main Conference Room

- Chuck Sipple, Chair**
- Lisa Harrison, Vice-Chair**
- Dr. Shelley Bhattacharya**
- Erin Chacey**
- Mark Ciaramitaro**
- Kathy Corbin**
- Alicia Jennings**
- Bob Pierson**
- Jim Potter**
- Bill Schutte**
- Truss Tyson**

- Chris Claxton**
Parks & Recreation Director
- Brian Anderson**
Parks Superintendent
- Marica Putman**
Administrative Graphics Tech
- Scott Gamerl**
Outdoor Education Supervisor
- Kevin Jeffries**
President and CEO
Leawood Chamber of Commerce

Guest

- Tom Coffman, WCA
Municipal Representative**

- OCC is old corrugated cardboard/containers. The market for paper today has dropped significantly. There are two paper sources now: cardboard and everything else is mixed paper. Paper items are collected, sorted and baled. Mixed paper now costs WCA about \$17 per ton to take it off their hands plus the cost of shipping. Most goes to a paper mill in Arkansas. If they shut down for maintenance, it goes to Shreveport, Louisiana.
- Metals have significant value. Plastic has value if it is the right kind. They haul plastic types #1 - #7 away because there is no market for them. They collect number 6 (Styrofoam) because of city ordinances and contracts for years.
- There are new paper mills coming up in Mexico and there are mills that are being retrofitted to take on paper. Mixed paper is worth 20 cents a ton. They discuss the cost of recycling paper further. The cost is passed through commercial and not so much residentially. Market costs: Ex. City of Lawrence has their own collection system. Their trash truck goes across the scale at the landfill, tips the scale at \$19 a ton. That same truck filled with recyclables goes to the MRF at \$42 a ton. The average cost for Leawood per house \$14-16 for HOA contracts. Mixed paper is everything that is not cardboard.
- They are updating their yes/no recycling information sheet for residences. Plastic items need to be cleaned or rinsed. No aluminum or foil is accepted because it is easily contaminated.
- They like plastics. They request that people rinse milk bottles and containers as they become very rancid. He would like people to focus on containers; no films, no bags just containers that are clean, dried, and loose in the bin. When he worked at Deffenbaugh, the recycling participation was not particularly high. 70% went into the landfill; not a good statistic.
- If they got rid of single use plastics would help that. He explains the plastic numbers 1-7 and sees the plastic industry becoming more involved in using recycled materials.
- Some plastic industries are pushing not to get rid of single use plastics and sees lobbying governmental bodies to not place a ban on bags. There is so much mixed messages from the industry.
- He shows the committee a bag of plastic items in a trash bag. If recyclables are put in a bag, they immediately go to the trash area because bags jam the machines and are not wanted. Johnson County partnered with Waste Management last year and went to various communities, lifting lids to see how bad the contamination really was. They started the "Ditch the Bag" program in an effort to teach people not to bag their recyclables. City of Mission has picked up the program too. A brief discussion follows. Members requested handouts to pass out at the HOA Sustainability Summit and electronic versions would be great too.
- Kathy Corbin has an idea to help promote recycling among neighbors. Most neighborhoods have at least one person who wants to recycle correctly. She suggested that WCA train a few people interested in recycling to become the "neighborhood expert" and be a resource to the HOA. WCA does not offer this training program.

↓ HOA Sustainability Summit – April 16th, 2020 – Ironwoods Lodge

- Theme – Practical Lawns and Sustainable Landscaping for Residential and Common Areas
- Speaker – Will Gibson, Down to Earth Services
- Food (*Truss*) – Bravol Does not cater out, only pick up. He will call Rosati's for details and pricing.
- Master Gardeners (*Mark*) – Dennis Patton confirmed they will be present and they have their own master gardener badges.
- PowerPoint (*Marica*) – Need info.
- Vendors (*Alicia, Mark*)
 - MARC – No. Not a contributor this year
 - Everygy – (wind energy) Not really a contributor this year but could possibly have a half table.
 - WaterOne – Yes if it is home base.
 - Landscaping
 - Tree Committee (*Dustin*) – Will have a table.
 - Bike/Walk Leawood – Will have a table manned by BWL members along with BikeWalkKC. They will have North and South Loop map and info.
 - Public Works – Will have a map of all the PW projects in 2020.
 - Green Dry Cleaners – No. Not a contributor this year.
 - Atlas, KC Curbside, Glass Bandit, Ripple – Are coming.
 - Missouri Organic – Yes.
 - WCA – Tom Coffman will attend.

📌 Cafeteria Food Waste Composting at Schools

- No update.

📌 Major SAB Initiative – Reduction in Plastic Bag Usage – Alicia Jennings, Kathy Corbin

- [Alicia Jennings](#) and [Kathy Corbin](#) was set to attend Prairie Village's council meeting on plastic bags but the agenda was changed to pit bulls instead. They did not attend.
- [Kathy Corbin](#) suggested charging a fee to reduce the plastic bags usage along with start date and cost to present to the council. [Vice-Chair Harrison](#) and [Chair Sipple](#) would like to see someone's successful example due to legalities. [Alicia Jennings](#) speaks about Prairie Village's bag proposal that has not been submitted yet. Members discuss the legalities and the process involved to get it to city council for approval. [Chair Sipple](#) suggest to wait and see how this goes at Prairie Village. See if the proposal receives any uproar, get merchant reactions, or if there's any pushback. Learn from that for the best way to approach Leawood City Council. Present them an educational view. Show them the issues, how big, why trash haulers do not want bags, pollution in streets and streams, etc. Do not ban but provide incentives to reduce plastic bags and its exceptions. Members discuss it further.
- [Alicia Jennings](#) will call to see when it will be on the agenda again. Members can attend and be in the audience.
- [Chuck Sipple](#) will make sure everyone receives a copy of the proposed proposal.

📌 Bike/Walk Leawood – Chris Claxton

- Signs for the South Loop has not been ordered.
- The stone for the N/S Loop hub at City Park has been purchased.
- Getting ready to order additional construction pieces.

📌 Database Update – Mark Ciaramitaro

- About 50% of it has been entered and updated. It's a cleaner version. Many HOAs are changing their officers every year.
- Save-the-Date/Invite postcard and email version need to be sent out soon. [Vice-Chair Harrison](#) and [Mark Ciaramitaro](#) will assist.
- An email and postcard version needs to be sent out as soon as possible.
- [Ross Kurz](#) has the list. Please send updates to [Becky Pendergraft](#).

📌 Request for Grant from Nativity School – Alicia Jennings

- Received a first time PTO request for water bottle filler stations to reduce the use of single use plastic bottles. These would be placed above the water fountain. Grant of \$500 is available. The process is as follows: the school submits the request, the committee approves, [Chris Claxton](#) fills out the check request and keeps a record of it, and the chair decides how to present it.
- This will be on the next agenda as a discussion item.

📌 Planet or Plastic – Kathy Corbin

- If anyone has a church group, environmental group or similar group that would like to hear the Plastics Presentation, please contact [Kathy Corbin](#).

📌 Adjourn

▪ Upcoming Meetings

- **Next SAB meeting is March 13th, 2020.**
- Tentative future meeting dates in 2020: April 10th, June 12th, September 11th, and November 13th.
- HOA Sustainability Summit April 16th.

IRONHORSE
Golf Club



GOLF COURSE COMMITTEE
Meeting Minutes- June 23, 2020
5:30 P.M. – Vista 154

Members attending: Chair Dick Fuller, Gary Bussing, Mark Bodine, and Leo Morton

Member absent: Tommy Davidson and Scott Picker

Troon Management/Staff: Ryan Eckroat and James Kennedy

Council Liaisons attending: Chuck Sipple and Mary Larson

Staff attending: Chris Claxton and Camille Sumrall

Chris Claxton called the meeting to order at 5:30 p.m.

Leo Morton motioned to approve the May 5, 2020 minutes, Gary Bussing seconded the motion. The minutes were approved unanimously.

I. Discuss Potential Compensation for Triple Crown Pass Holders (RE: Covid-19)

Ryan stated that the feedback from players and pass holders was mixed for closing the course during the early stages of COVID-19. While many players and pass holders were happy with closing the course for an abundance of caution, some players and pass holders were upset as other courses in the area were open. When the staff was able to open the course they played on eighteen minute intervals to adhere to social distancing protocols. They also operated with reduced golf cart capacity, which again, some patrons appreciated and others did not. Ryan added that opening up the Vista 154 event space has been a big help in capacity for players who would like to sit inside and have food and beverages.

Chair Dick Fuller asked if eighteen minute tee times were standard for other courses in the area.

Ryan responded yes, that is standard to allow for single rider carts that at the time was being recommended for social distancing from other players.

Leo asked what percent of Troon courses were closed during the time Ironhorse was closed.

Ryan responded that very few were closed, only 7 out of over 300 courses.

Chris stated that of the 7, three were reopening next week.

Council Liaison Sipple asked if any corporate golf events have taken place since the closure.

Ryan replied that unfortunately there have not been any large gatherings due to social distancing guidelines.

Ryan stated that financial restitution letters have been drafted to Triple Crown Pass holders regarding a refund for the time the course was closed. The proposed refund rate is based on 83 days of impacted golf availability over a 275 day golf season. This resulted in a proposed refund percentage of 30.18%.

Gary asked who drafted the letter and calculated the refund rate.

Chris responded that herself, the City Administrator, and Ryan reviewed the letter and agreed upon the refund rate, initially however, it needed to go to the committee for review and recommendation.

In explaining the method of calculating the refund rate, Ryan stated that the 83 days were comprised of the 48 days that the course was actually closed, plus 35 total days where tee time availability was reduced to support single-rider carts. The 275 day golf season was based on pass holder feedback that the golf season in Kansas City is only 8 months (March-October) and with the course being closed in April, the impact to the pass holder was more magnified. A four year analysis of rounds played by month showed that the preferred season of golf was March – November, which is a total of 275 days.

Gary asked if they subtracted the average amount of days it rained into the refund.

Ryan responded that they did not subtract rain days.

Gary asked what the total amount of the refunds will be.

Ryan responded that it would be around \$65,000.00

Chris added that a large amount of pass holders are residents.

Gary asked if Troon or the City would pay for the refunds.

Chris stated that the City would pay the full cost of the refunds.

Gary stated he did not agree with refunding pass holders.

Chris added that Dr. Peppes reached out to her prior to the meeting and stated he did not agree with refunding the pass holders.

Council Liaison Sipple added that COVID-19 was an act of god occurrence, but Ironhorse remained closed when other courses were open.

Council Liaison Larson also added that she believed some kind of refund is fair for the days we remained closed while other courses operated with safety guidelines.

Leo agreed that he believed some kind of refund would be fair as well.

Ryan suggested a compromise of including days with delayed tee times in the refund calculations as pass holders were able to play on those days. This would bring the total amount of days Ironhorse remained closed to 48 days versus 83 days.

Gary stated that the pass is valid for 365 days and any refund should be based on the entire period that the pass is valid.

After further discussion, it was determined to use 48 days as the basis for the refund/credit vs. 83 and to base it on the full 365 period that the pass is valid, resulting in a revised percentage of 13.15

Mark Bodine made a motion to credit 13.15% of Triple Crown Pass holder's total fees towards their second payments or a 13.15% refund for members who paid in full, who have not already accepted a refund, due to the 48 days of course closure due to COVID-19.

Leo Morton seconded the motion. A roll call vote was taken and all present members voted in favor of the motion, the motion passed unanimously. Greg Peppes was on the phone and was also in agreement of the motion.

II. Course Maintenance/ Project Report

James reported the following:

Work completed during closure

- Greens aerated twice and top dressed weekly. This was a rare opportunity to do additional aerification to greens. This spring the condition of green surfaces have been much firmer.
- Fescue sod laid on #8 rough to finish up irrigation project.
- We reduced the size of the zoysia target greens and sodded. The yellow and red target greens were moved closer to the middle to range to reduce balls lost in timber. The remaining portions were sodded with fescue. The rough areas in middle of range were tilled with soil conditioner and seeded.
- Repair flood damage from March 30th storm. Debris from storm was cleaned up the day following storm. Bunkers were repaired closer to planned time to open course.
- Aerated all Zoysia areas, fairways, tees, and surrounds.
- Aerated all rough.
- Tee boxes on 12 and 7 were laser graded by contractor to prepare for sod.
- Tree contractor removed dead trees during closure. Golf course staff cleaned debris.
- Drain installed in front of P1 and sod installed.
- New signage purchased and installed on 7, 10, 16.
- AB3 installed on walkway to 4 Black tee and compacted. The tee is now in play.

May Opening

- Began bringing on seasonal staff and training.
- Mowing and detailing course.
- Receiving new equipment.

III. Review Kitchen/Grill Space for Possible Updates

This agenda item was tabled until the next meeting.

IV. Miscellaneous

Chris stated GBA inspected all bridges at the course. We are waiting for the report. Thanks to Public Works Director, David Ley for setting this up.

James added that several bridges have concrete erosion, especially near the creek. He stated that holes #5, #3, and #9 have significant undermining.

Council Liaison Sipple asked if the bridge replacement projects are in the Capital Improvement Plan.

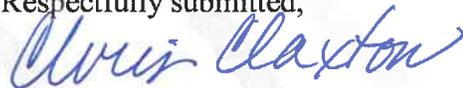
Chris stated we may have money to replace them from the Capital Improvement Fund but will need to get cost estimates first.

Chris stated that the Ironhorse parking lot will be resurfaced in February of 2021. They will be adding trees to the islands and also fixing some small grading issues.

Ryan added that almost all of the parking lot cameras are up and running.

Mark Bodine made a motion to adjourn the meeting, Gary Bussing seconded the motion, the motion passed unanimously. Meeting adjourned at 7:20 p.m.

Respectfully submitted,



Chris Claxton, Director
Parks and Recreation Department

**MINUTES of the
Leawood Public Works Committee
December 4, 2019**

7:30 AM – Leawood City Hall Main Conference Room – 4800 Town Center Drive – Leawood, KS 66211

MEMBERS:

<input checked="" type="checkbox"/> Andrew Osman, Chair, Councilmember Ward 1	<input checked="" type="checkbox"/> Julie Cain, Vice-Chair, Councilmember Ward 4
<input checked="" type="checkbox"/> Lori Ames <input type="checkbox"/> Ken Conrad	<input checked="" type="checkbox"/> Abbas Haideri <input checked="" type="checkbox"/> Todd Harris
<input checked="" type="checkbox"/> Marsha Monica <input checked="" type="checkbox"/> Jim Rawlings, CMW2	<input checked="" type="checkbox"/> Chuck Sipple, CMW3 <input checked="" type="checkbox"/> Chris White

STAFF:

David Ley, P.E., Director of Public Works
 Brian Scovill, P.E., City Engineer
 Brian Anderson, Superintendent of Parks
 Julie Stasi, Administrative Services Manager, Sr., Public Works Dept.

GUESTS:

Jaclyn Penn, 8736 High Drive, Leawood, KS 66206
 with Minor Owen Penn
 Nick Even, 8915 High Drive, Leawood, KS 66206

Chair Osman called the meeting to order at 7:34 AM.

Chair Osman called the meeting to order. Staff, committee members and guests gave introductions.

FIRST ITEM OF BUSINESS (OLD BUSINESS): Review/approve the previous meeting Minutes.

ACTION: Marsha Monica- Motioned to approve the Minutes as written of the Public Works Meeting held November 6, 2019. Chris White-Seconded the motion to approve the Minutes. All present members were in favor. Motion passed. Minutes Approved.

SECOND ITEM OF BUSINESS (NEW BUSINESS): Discussion to review 89th & Lee Boulevard

Crosswalk Request. The Committee was assigned to review a request from residents as well as a recommendation from the Bike/Walk Leawood Committee to conduct a warrant study for a pedestrian crossing at 89th Street and Lee Boulevard; for consideration in the 2020 Capital Improvement Program.

Chair Osman-began by saying that we know this year we had the reconstruction between 103rd Street to 95th Street on Lee Boulevard. We recently approved the second phase of Lee Boulevard and reconstruction for next year from 95th Street to 83rd Street. So today we have a request to discuss the crosswalk at 89th and Lee Boulevard.

David Ley-Several months ago the residents on the east side of Lee Boulevard that use the sidewalks along 89th Street and along Lee Boulevard on the west side have a concern with the visibility of the pedestrians crossing at 89th and Lee. In the early 1990's, the City added sidewalks on the west side of Lee Boulevard and in the late 1990's, the City constructed sidewalks on the north side of 89th Street. Recently the developer east of Lee Boulevard for Village of Leawood constructed a 10 foot wide trail that connects 89th Street by Lee Boulevard over the creek and it does go out to State Line Road. We are missing sidewalks on this last several hundred feet of 89th Street off State Line Road,

but there are also sidewalks along State Line Road. We are seeing more pedestrians at that intersection. The City is currently under contract with BHC Rhodes to design the Lee Boulevard Improvements as Andrew mentioned from 83rd to 95th Street. With that project we are going to widen the roadway out two feet and add bike lanes. So this request for this crossing went to the Bike/Pedestrian Committee back in October and they made a recommendation that we hire BHC Rhodes to look at this crossing and determine if we need to add higher visibility crosswalks, signs and/or flashing beacons. This is more of a Cross Town Route and people are utilizing this crosswalk for getting to school. Cross Town Walk Route goes from State Line Road to Mission Road. Sidewalks. Also for people who live on the east side of Lee.

Brian Anderson-In the Bicycle and Pedestrian Master Plan, 89th Street was identified as a Cross Town Route and that was in reference-it was suggested as a way-finding system. So anytime you want a cross town route, it indicated to the user that you go east and west to cross town (on an Arterial Street like 89th Street). And then the people that came to our Bike Committee, we had probably 4 or 5 residents that live on the east side of Lee and they are actively forming a walking or a bike riding group that takes their children to Corinth Elementary School at 83rd & Mission Road.

Chuck Sipple-David you mentioned a visibility problem there, is that over or around a hill? Or is there a problem with people pulling out with not adequate time to break?

David Ley-There is the hill. For north bound as you are at 89th & Lee looking south, there is a hill there that the engineers would need to measure. The engineers would look at the volume, the traffic on Lee, the speed, sight distance and then FHWA (Federal Highway Administration) does have recommendations on crosswalks and what options there are to make them a higher visibility. The residents sent us pictures of them trying to cross on Lee.

Marsha Monica-In visioning a cross walk she is just thinking of a painted street. Is that all we are talking about? Or is this for more? A light similar to High and 119th?

David Ley-The engineer will look at the situation and make a recommendation on what they feel would be the most appropriate. The options are you would stripe it first (that is the least costly). The next would be to add signs to warn vehicles of a crosswalk. The third would be more of a flashing rapid fire beacon (like what we see at 143rd & Windsor). Those are strobes. You push and then they will strobe for 20 to 30 seconds to alert people driving that there is someone at the crosswalk. You also then have pedestrian type crossing where you push a button and it stays green on Lee Boulevard until a pedestrian would push it and then the light turns red. That would be a high end application.

Marsha Monica-The other question is are there counts or studies of when there is a high use?

Jaclyn Penn-Our concern is first in the morning before school hours. But with the recommendation of the Cross Town pass-way, there is also a lot of commuters coming from the businesses, so we are seeing additional pedestrians during the lunch hour times. Pedestrians are using everything from bikes to scooters to an electric cycle. There has become a lot more pedestrian traffic.

David Ley-Brian Anderson and I were out there looking at the trail and the property that is behind the Village of Leawood Tract A-which is going to be donated to the City by

the developer. We were out there only a month ago and while we were there, there were several people, apparently came from the office building walking down 89th Street. I believe they do a lot of meetings out there.

Brian Anderson-Every time I'm there, there is someone from across the bridge that is either walking on the 5 foot sidewalk that comes to a dead end or they also if they have more time I think they do go out and walk over to Lee.

Jaclyn Penn-They have a walking club and there are about twenty of them that come out and walk at 2:45 PM, which is the time I pick up my kids. And they do stay on 89th on the east side of Lee because they do not want to cross Lee. They are along High Drive and they are very active.

Chris White-What is the cost range of the options we are talking about?

David Ley-To do a marked cross walk, a couple thousand dollars. To do rapid fire beacons (we just installed some of those in another location) that is about \$20,000.00. The cost of a study would probably be about \$5,000.00.

Julie Cain-Knows there are rules about when and when we can't put up street lights, is there a rules about when and where you can install the blinking lights we are speaking of or crosswalks, are they also having to meet a threshold?

David Ley-There is no specific warrants as you have for traffic signals. On the crossings. There are just guidelines and that is why we would need to hire a Traffic Engineer to review and make a recommendation on what they would believe is the most appropriate measure if any.

Julie Cain-And we cannot do that in-house, sufficiently?

David Ley-That would take staff time and we have a professional engineer on board, designing Lee Boulevard. And we would want them to implement whatever changes we make to this intersection into their plans. It could change the sidewalk and the ADA Ramp locations and things like that.

Andrew Osman-Is there any cost savings if we elect to do this at the same time, using the same engineer or is it just strictly like you said \$5,000 or whatever irrespective of the program and the time?

David Ley-It would be more cost effective to hire BHC since they are designing the plans. The pavement markings are going to be much cheaper if those are part of this project instead of coming in afterwards to get the contractor to put those markings in. As far as if the recommend to put the beacons in, then there is probably not much of a savings whether we bid that with the project or did that separately. The beacons could come later.

Todd Harris-I live in Ward 1 near 83rd & Wenonga area. This is just a jogging route for me, but an observation generally the area is a real pedestrian heavy area. Bikes, pedestrians, kids on bikes, you see that all over this entire area. To Andrews point, we are looking at doing construction here so for \$5,000.00 we ought to take a look at this and see what it is by a professional engineer that can review this. There is a hill when you are crossing and you look to the left as you are going to the west, there is a hill. Cars are going 35 mph and by the way I do not see a lot of 50 and 60 mph cars on this road. It feels like a neighborhood. Even Lee does. They might go 40 or 45 mph, but I think it's marked for 35 mph. But there is a tiny distance, by the time you take small children and get out in the middle of the street, that car could be on you. So we need

somebody to study that and figure out what would it be to mitigate at least some of the traffic, to calm the traffic a little bit. I think for \$5,000.00 that is money well spent. Jim Rawlings-Familiar with this area, I grew up at 89th & Lee Boulevard. Looking at the aerial map there is about 50/60 houses maybe between the north pocket and the south pocket (High Drive and Sagamore) and all that 56/60/40. How many children do we have there that ride their bikes. Setting aside walkers.

Nick Even-In the last 5 years which is when I moved in. When I moved in there were 4 or 5. And I think we are at 15 now. And then in the 50 to 60 houses. They built 18 to 20. Of the 24 they have plans for that new development.

Todd Harris-And another, this is the part of town where somebody buys a house that is old. They knock it down. And families are moving in. There are massive amounts of young families coming in with kids. It has gotten very young.

Chris White-Regardless of what we decide today, here's a question too. If we assume that it is not put in. Can the residents do a benefit district and add a crosswalk? Is that an option?

David Ley-It would have to go through this Committee. So they would not be able to just do it.

Chris White-Like a process that we do for some other things, is that an option for a crosswalk?

David Ley-No. Typically we charge whoever is adjacent to the improvement. This would not fit. Whoever we would charge to the benefit district would have to be adjacent to the improvement.

Nick Even-Sorry, didn't follow that.

Chris White-There is a way to pay for some things, called Benefit Districts. But you need agreement of the people within the block. Say if they sign a petition and want to add something and then the cost is distributed amount the residents for a period of time. I was curious if that was an option regardless of how things go with decisions here to do that. But his point is that crosswalks really affect a very broad/much wider area and Benefit Districts are really for something in more of a one-block setting.

Chuck Sipple-An example is 85th Terrace where there are speed bumps. That was a Benefit District to the direct property owners to the people on that street. The residents there are assessed the cost for the traffic calming measures, they were all for it.

Nick Even-That is what we had thought of awhile back. I do think if the City decides not to do anything, that you might see some push for it from a neighborhood group.

Maybe not just a crosswalk, but I'm here to tell you I'd like a flashing light up there. If we are using the area as a family and we want to take the dog for a walk, the only sidewalk is on the west side of Lee. And then on 89th. If I want to take my kids out and I want them on the sidewalk, not in the street, I have to cross Lee.

Julie Cain-What do you mean?

Nick Even-Something with a flash where you push it. No I think a street light would be excessive. Thank you.

Julie Cain-A strobe as opposed to a street light. I didn't know this until I got with the City, but didn't know that you cannot just put up a light. Nor can we willy-nilly put up stop signs because you have to meet certain criteria warrants. Wondering what kind of light you were talking about. The closest to this would be 83rd and 95th, right? There's nothing in between. And then back in the days when the country club was there, I always found that hard to find it, the street was not really marked. So I do think there is

a visibility issue. I personally have no issue with this, just want to make sure we are not unknowingly sticking something out there.

Abbas Haideri-Asking if the cross walks will be in both directions on 89th and at Lee for a four way?

David Ley-Just be on the north side of 89th Street crossing Lee. And on the west side of Lee Boulevard.

Abbas Haideri-Asked because if there are strobes, something to consider is where the sun sets. The reason he mentions this is he had a personal experience at 143rd and it was closer to sunset. He was standing on the crosswalk with his kids, biking. No one came to a stop and we had it pushed and waited a few minutes. Finally, fortunately a Leawood City worker was in his truck. He stopped and actually flagged traffic down for people to stop. We were almost hit by a truck flying through the intersection. The strobe was working, people just didn't care. They saw us standing there and I even started to inch out into the street a little bit to see if that would make them notice.

Andrew Osman-I drive many different areas and I've seen the strobes. And in all candidness I've seen situations in which you could have a red light and a police officer there and people do not care. You can also have this and people have common courtesy. 143rd I do not believe is one. 87th and Antioch in Overland Park, I drive that street and at 5 o'clock can watch as four lanes of traffic (people trying to go from Price Chopper to Shawnee Mission West). People literally pushing the sign. I will stop and other people won't because they got to get home. I drive Lee Boulevard every day. I think the residents are very cognitive and they are all people in the neighborhood and I think that they will stop. It is a 2 lane street vs a 4 lane like what Abbas experienced, which is much different.

Abbas Haideri-My only comment was particularly was which way is the sun falling? I was willing to grant the people who were not stopping the benefit of the doubt thinking with the sun, they could not see the strobe. But they could certainly see the people.

Chris White-You are right, I do not think these work on a 4-lane road. Lee Boulevard has a local traffic type of feel with the 2 lanes. This would probably work better there than it does down there at 145th area.

David Ley-Typically on something new, we would want to hire a traffic engineer to get their review on what is needed. Anytime you do striping or anything on a controlled intersection, whether it is a stop sign or feature, you are supposed to have an engineering study look at it and make a recommendation. Otherwise we would have those at every cross walk.

Todd Harris-Would like to make another argument in support of the \$5,000 expenditure and that is that this originated (I read all the Minutes from the Bike/Walk Leawood Committee) which is another City entity that we recognize it as an authoritative way. They think that it is necessary to come before us to look at. So that is another reason why we should support it and then second to that would be that we actually paid for a self-propelled Leawood plan. This is consistent with the master plan that the City paid for a long time ago as we plan how people bike and walk in our City. So it is consistent with the vision that we invested in. So those are the two points I would make.

Chris White-I won't play Devil's Advocate but that actually brings up a good point. Is

there something about this that distinguishes it from other areas? Because everybody wants to have crosswalk and a sidewalk and traffic calming and everything. Is there something is unique about this?

Todd Harris-I would follow up and argue that it is on-you want one, but is it on the Master Plan? One reason of support, where if you wanted one at 86th or wherever, it is not a through corridor that the City had in their plan.

Jaclyn Penn-Would say one of the benefits additional is we have a high rise of children that have moved into the neighborhood for two specific blocks. You have the large division of development which has a lot more of what I would call recently retired walking their dogs. But we now have a connective way with the bike path that was paved and you can walk over to the new developed restaurant neighboring area. So within two blocks you can walk that. People on the west side of Lee are also going east to connect to State Line and using both the tunnel for the Target but also but to the Ward Parkway Center. Pedestrian traffic goes either direction.

Brian Anderson-You are right this is a Master Planned route and to me just being out there and observing. That hill when you are looking south and cars can come up on you pretty quick, that's what I've noticed. Just in my follow up and studying what residents have asked for. And I think we are seeing a lot more pedestrian traffic, which is awesome. This is exactly working with our Master Plan and what it recommended. So I think anything that would help people cross Lee is going to make it easier for more people to use it.

Lori Ames-To answer directly your question, what makes this different? I think it is two-fold. The fact that it is part of the plan, but is the east/west corridor "Cross Town Path" and there is no other way to get across from 95th to 83rd. It's a long way. And I am like Todd. I run this every day, so yea. And we will have to have the strobes. We need to rely on engineering but that hill is a concern.

Todd Harris-I will predict that they say a strobe is the appropriate remedy.

Julie Cain-I think we are all saying the same thing. Even if there is not enough traffic wise I think a protocol, maybe we are kind of developing our own protocol that it is important. Unless we try to get the designation or increase our designation perhaps this body or another, or us together establish a protocol for crosswalks. That might help us with a designation with the Bicycle Friendly Group. You could say we have more activity all over town but the connectivity to State Line, those are the kind of things that are a threshold that we could identify is the difference. It might help be more bicycle and pedestrian friendly if we establish our own protocol; because we do not what these flashing all over town.

Marsha Monica-This is the perfect opportunity as we are getting ready to redo that area and I think it should be incorporated into the design and a study would show us at a minimum what we could/should do.

Chuck Sipple-Has there ever been a traffic incident at that location? A crash or a bicyclist or pedestrian hit? Do we know in the last ten years of any incidents?

Brian Anderson-Believes the Police did a research of that and did not find anything that he recalls, but we could ask them to check into more.

Chuck Sipple-Or as long as the Engineer looks into that for further justification for a signal.

Nick Even-This is an interesting neighborhood to live in as we learned in the Bike/Walk Committee. The school is in Prairie Village. We have a little gap in my opinion in that Prairie Village does not really look at how Leawood residents safely get to that school. And Leawood isn't looking at how residents get there as the school is not in their City. So the dividing line creates a little gap. I'm wondering and would ask you to think about this. Not sure if you need an Engineers Study to stripe that whole path but as part of our Master Plan and the City has a bike way right there does that mean any of these crossings through here? (Pointing at 89th).

Andrew Osman-Do not want to speak for the Director or City Engineer but the reason we are looking at this particular intersection is because we are working on the Lee Boulevard Improvements and we have to do it either now or never for the Lee Boulevard portion. I think a Bike/Ped plan is a different committee and can look at other avenues for that. Debra Filla is the Ward 1 Councilmember and she is very active on the bike to school concept. Debra was instrumental in working with Prairie Village and Corinth on widening next to 83rd street cemetery so that kids could have an extra strip to travel. I would walk that with my kids and be fearful and that was before we did the expansion. So even though that is in Prairie Village, KS, we still have a quasi partnership on Mission Road. We just had Mission Road Street improvements and will have more a couple years from now. We buried the power lines, expanded the sidewalks. That was in conjunction with Prairie Village as it is shared on both sides of the street. Each particular project someone takes the lead role, and both Cities pay into it. I would say work with the Bike/Ped Committee initially if you are still interested in 89th Street features. That Committee would then make a recommendation to Council or come to this Committee.

David Ley-We have discussed this at the Bike/Ped Committee. On striping for other intersections for crossing is the parents have to work with the school district to provide a study. Get the maps, figure out where all the students are coming from and actually design/provide that information to the City with whether they want to have the designated routes or what. We look at certain distances.

Jaclyn Penn-I've recently retired and asked the children that want to ride to ride with us. I've traveled all of the routes as I pull my son. In the morning we take 89th to Mission. Then we take another route near 86th Street back, which is all down-hill and much easier for us. This route does not have any sidewalks at all. It is a little less traffic and is easier.

Andrew Osman-I have kids too and you take the path with the least amount of hills. You are absolutely right, 89th Street is flat way across to Mission Road. But if you were to go up to 83rd you are going up a hill to get to school and then another hill. I live on 86th. You have to go up the hill, but if you go down the hill on the way back from school...it's a whole science with kids.

ACTION: Abbas Haideri-Motioned that we make a study of a potential crosswalk with our engineers in conjunction with the Lee Boulevard renovations (currently under contract with BHC Rhodes Engineering); to see what needs to be done by installing a crosswalk at 89th and Lee Boulevard or any other appropriate intersection along there.

Todd Harris seconded the Motion.

Jim Rawlings-Question: We are here to look at 89th & Lee Boulevard and the motion said or any other appropriate section of Lee Boulevard? There already is something at 95th. The only one really would be 89th Street?

Abbas Haideri-Within the Lee Boulevard Improvements design plan that runs from 95th to 83rd Street.

Chris White- It could be 85th Terrace or maybe near 91st? Most think it will fall at 89th.

Chair Osman-Asked for all in favor to say Aye to the Motion. All present members were in favor. No members opposed. Motion Passed.

Staff advised this item would be submitted to the January 6, 2020, Council Agenda for decision.

Chair Osman adjourned the meeting at 8:15 A.M.

Minutes transcribed by: Julie Stasi, Leawood Public Works Department

Staff Review

Fact Sheet

SUBJECT:

**RESOLUTION TO ACCEPT
SIDEWALK/TRAIL EASEMENT FROM
STEEPLECHASE HOMES ASSOCIATION
August 17, 2020**

DISCUSSION

The Public Works Department is requesting a Resolution for acceptance of a Sidewalk/Trail Easement on the Steeplechase HOA property.

The City requested the easement from Steeplechase HOA over the existing 10 foot wide trail as part of the South Bike Loop route access Ironwoods Park. The existing 10 foot wide trail on the Steeplechase HOA property was constructed by the developer to connect Ironwoods Park to Windsor Drive and to other trails maintained by the Steeplechase HOA.

The City will take over maintenance of approximately 400 foot length of trail from Windsor Drive to Ironwoods Park Trail. This will allow the City to direct the South Bike Loop from Windsor Drive to Ironwoods Park.

The Department of Public Works requests the Governing Body acceptance of the Temporary Construction Easement with payment and easement be recorded at Johnson County's Clerk office.

David Ley, P.E.
Director of Public Works

SPONSOR

Public Works Department

COUNCIL ACTION TO BE TAKEN

Accept Easement and Approve Resolution

STAFF RECOMMENDATION

- For
 Against
 No position

COMMITTEE RECOMMENDATION

- For
 Against
 No position No Assignment

POLICY OR PROGRAM CHANGE

- No
 Yes

OPERATIONAL IMPACT

COSTS

Recording fees

FUND SOURCES

N/A

RESOLUTION NO. _____

RESOLUTION ACCEPTING A SIDEWALK/TRAIL EASEMENT FROM GRANTOR STEEPLECHASE HOME ASSOCIATION, PERTAINING TO STEEPLECHASE PHASE 4 "TRACT J" 4TH PLAT, A SUBDIVISION OF RECORD IN THE CITY OF LEAWOOD, JOHNSON COUNTY, KANSAS

WHEREAS, the Grantors Steeplechase Home Association have executed a Sidewalk/Trial Easement; and

WHEREAS, the City desires to accept such Sidewalk/Trial Easement.

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF THE CITY OF LEAWOOD, KANSAS:

SECTION ONE: That the Governing Body hereby accepts the Sidewalk/Trail Easement, a copy of which is attached hereto as Exhibit "A," and incorporated herein by reference as if fully set out.

SECTION TWO: This resolution shall become effective upon passage.

PASSED by the Governing Body this 17th day of August, 2020.

APPROVED by the Mayor this 17th day of August, 2020.

[SEAL]

Peggy J. Dunn, Mayor

ATTEST:

Kelly Varner, City Clerk

APPROVED AS TO FORM:

Patricia A. Bennett, City Attorney

Sidewalk/Trail Easement Steeplechase HOA



SIDEWALK/TRAIL EASEMENT

THIS SIDEWALK EASEMENT, made this 3 day of August, 2020 by STEEPLECHASE HOMES ASSOCIATION ("Grantor"), for the benefit of the CITY OF LEAWOOD, KANSAS, a Kansas municipal corporation ("Grantee") with an address of 4800 Town Center Dr., Leawood, KS 66211.

WITNESSETH:

1. For and in consideration of the sum of Ten Dollars (\$10.00) and other valuable considerations, receipt and sufficiency of which is hereby acknowledged, Grantor hereby grants and conveys unto Grantee a permanent sidewalk/trail easement over and across the land hereinafter specifically described, for the purpose of constructing, using, replacing, and, maintaining a concrete or asphalt public sidewalk or trail and appurtenant work in any part of the easement, including the right to repair, maintain and replace the sidewalk or trail, and for any reconstruction and future expansion of such facility within the area of the easement. This includes the installation, use, and maintenance of signs as it relates to the public sidewalk or trail.
2. The land over and across which said sidewalk/trail easement is granted is a strip of land specifically described as follows:

SEE ATTACHMENT 'A' ("Permanent Sidewalk Easement")

3. Grantee is to have and to hold the Easement Property for the uses and purposes hereinabove set forth forever.
4. The rights granted herein shall not be construed to interfere with or restrict Grantor or their successors or assigns from the use of the Easement Property with respect to the construction and maintenance of improvements adjacent to the Easement Property so long as the same are so constructed as not to impair the strength or interfere with the use and maintenance of the Easement Property.

This easement shall run with the land and apply to all interests now owned or hereafter acquired to the Easement Property. It shall be filed of record with the Register of Deeds, Johnson County, Kansas.

Steeplechase Homes Association

Leann Wiggins
Signature

LeAnn Wiggins, President
Printed Name

CORPORATE ACKNOWLEDGMENT

STATE OF KANSAS)
) SS.
COUNTY OF JOHNSON)

BE IT REMEMBERED that on this 3 day of August, 2020, before me, the undersigned, a Notary Public in and for the County and State aforesaid, came Leann Wiggins, President of Steeplechase Homes Assoc. a corporation duly organized, incorporated and existing under and by virtue of the laws of Kansas who are personally known to me to be such officers and who is personally known to me to be the same person who executed as such officer the within instrument on behalf of said Corporation, and such person duly acknowledged the execution of the same to be the free act and deed of said Corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed by official seal the day and year last above written.



Michelle R Sherry
Notary Public

My appointment expires: 4/25/22

Attachment "A"

Permanent Sidewalk Easement

All that part of Tract "J", STEEPLCHASE 4TH PLAT, a subdivision of record in the City of Leawood, Johnson County Kansas, being described as follows:

Beginning at the most northerly corner of Lot 280 of said STEEPLCHASE 4TH PLAT subdivision, thence South 46°48'40" West, along the northwesterly line of said Lot 280, a distance of 132.96 feet to the most westerly corner of said Lot 280; thence in a southwesterly direction along a curve to the left having a radius of 297.19 feet, a central angle of 10°51'25", an arc length of 56.32 feet; thence South 35°57'15" West a distance of 51.92 feet; thence in a southwesterly direction along a curve to the left having a radius of 232.54 feet, a central angle of 16°30'38", an arc length of 67.01 feet; thence South 19°26'37" West a distance of 40.82 feet; thence in a southerly direction along a curve to the left having a radius of 179.54 feet, a central angle of 17°31'29", an arc length of 54.91 feet to a point on the south line of said STEEPLCHASE 4TH PLAT subdivision; thence North 89°41'01" West, along said south line, a distance of 20.01 feet; thence in a northerly direction along a curve to the right that is non-tangent with the exit of the last described course, having an initial tangent bearing of North 01°45'30" East, a radius of 199.54 feet, a central angle of 17°41'07", an arc length of 61.59 feet; thence North 19°26'37" East a distance of 40.82 feet; thence in a northeasterly direction along a curve to the right having a radius of 252.54 feet, a central angle of 16°30'38", an arc length of 72.77 feet; thence North 35°57'15" East a distance of 51.92 feet; thence in a northeasterly direction along a curve to the right having a radius of 317.19 feet, a central angle of 10°51'25", an arc length of 60.11 feet to a point on the northwesterly line of said Tract "J"; thence North 46°48'40" East, along said northwesterly line, a distance of 132.75 feet to the most northerly corner of said Tract "J"; thence South 43°11'20" East, along the north line of said Tract "J", a distance of 6.55 feet; thence continuing in a southeasterly direction along said north line around curve to the left, having a radius of 425.00 feet, a central angle of 01°48'48", an arc length of 13.45 to the Point of Beginning, Containing 8,238 square feet, more or less.

The bearings used in this description are based on the record plat of said STEEPLCHASE 4TH PLAT.

This description prepared by:
Jonathan A. Meyer, KS LS-1579
Affinis Corp
8900 Indian Creek Pkwy, Suite 450
Overland Park, KS 66210



City of Leawood Governing Body Staff Report

MEETING DATE: August 17, 2020

REPORT WRITTEN: July 29, 2020

EURONET WORLDWIDE – REQUEST FOR APPROVAL OF A FINAL PLAN FOR A SIGN PLAN- Located south of 114th Street and west of Tomahawk Creek Parkway - Case 58-20

PLANNING COMMISSION RECOMMENDATION:

The Planning Commission recommends approval unanimously (8-0) of Case 58-20 Euronet Worldwide – request for approval of a Final Plan for a Sign Plan, with the stipulations listed below:

1. The project is limited to the addition of a line of text to the existing southern monument sign, and a wall sign on the southwest corner of the existing building, facing south.
2. A sign permit from the Planning Department shall be obtained prior to erection of any signs.
3. Development rights under this approval shall vest in accordance with K.S.A. 12-764.
4. In addition to the stipulations listed in this report, the developer/property owner agrees to abide by all ordinances of the City of Leawood including the Leawood Development Ordinance, unless a deviation has been granted, and to execute a statement acknowledging in writing that they agree to stipulations one through four.

APPLICANT:

- The applicant is Celina Gerling with Luminous Neon Inc.
- The property is owned by Academy 1740, Inc.

REQUEST:

- The applicant is requesting approval of a Final Plan for a sign plan to include a wall sign and updated lettering on an existing monument sign.

ZONING:

- The property is currently zoned SD-O (Planned Office).

COMPREHENSIVE PLAN:

- The Comprehensive Plan designates this property as Office.

LOCATION:



SURROUNDING ZONING:

- North To the north of the property is an office building within the Tomahawk Creek Office Park, zoned SD-O (Planned Office).
- South To the south of the property, across Tomahawk Creek Parkway, is Tomahawk Creek, zoned REC (Planned Recreation).
- East To the east of the property, across Tomahawk Creek Parkway, is a parking area for Tomahawk Creek, zoned REC.
- West To the west of the property is the Pinnacle Office Building development, zoned SD-O

SITE PLAN:

- The applicant is proposing a wall sign on the southwest corner of the existing building, facing south.
- In addition to a wall sign, the applicant is proposing to add “Euronet WORLDWIDE” as an additional line of text to the existing monument sign, located at the southern entrance into the site.

ELEVATIONS:

Monument Sign

- The existing monument is 6’ 3 ½” inches in length and 3’ 1” in height and constructed of brick with a concrete cap for the top of the monument.
- The face of the sign is constructed of 3/8” brass letters with light oxidized brushed horizontal finish, to match the existing letters on the monument sign.
- The monument sign will state “11400 TOMAHAWK” on the first line, “CREEK PARKWAY” on the second line, and “Euronet WORLDWIDE” on the new third line.
- The proposed lettering mounted for the monument sign is in compliance with the Leawood Development Ordinance.
- A sign permit from the Planning Department shall be obtained prior to erection of the wall sign.

Wall Sign

- The letters on the sign are to be constructed of fabricated aluminum, painted brushed aluminum.
- The text of the sign will read “Euronet WORLDWIDE”
- The proposed wall sign lettering is in compliance with the Leawood Development Ordinance.
- A sign permit from the Planning Department shall be obtained prior to erection of the wall sign.

LIGHTING:

- The monument sign has existing exterior ground mounted lighting that is not proposed to be changed with this application.
- The wall sign will be internally illuminated-reverse channel letters, which will create a halo lit sign, using white LED's.

LANDSCAPING:

- No additional landscaping is proposed with this application.

June 23, 2020

Michael Brown
CEO
Euronet Worldwide, Inc.
3500 College Blvd.
Leawood, KS 66211

RE: Signage Approval at 11400 Tomahawk Creek Parkway, Leawood, KS 66211.

Dear Mike,

This letter is to inform you that we have reviewed and approved your proposed signage, both on Exterior of the building and existing monument sign located at 11400 Tomahawk Creek Parkway, Leawood, KS 66211. The approval is based on the renderings/elevations provided by Luminous Neon, Inc. and are dated 6/22/2020.



STRONG MEDICINE FOR AMERICA

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Speaker
Alan Schwartzstein, MD
Oregon, WI

Vice Speaker
Russell Kohli, MD
Stilwell, KS

Executive Vice President
Douglas E. Henley, MD
Leawood, KS



Euronet WORLDWIDE

Regards,

Joe Anthuis, CFM
Director, Administration Division
American Academy of Family Physicians
11400 Tomahawk Creek Parkway
Leawood, KS 66211
913-906-6260

11400 Tomahawk Creek Parkway, Leawood,

Get Satellite with Maps & Directions App™ (includes convenient web search with a Chrome browser new tab extension).

Create the best business software to create
Route planning software

Pinnacle Corporate Center II

American Academy of Family Physicians

existing
AAFP
wall
sign
(new)

AAFP
monument

monument
location

Leawood 27.8 °C - 29.4 °C

(https://www.laurenzoni.com/...&FORM=BMLOGO)

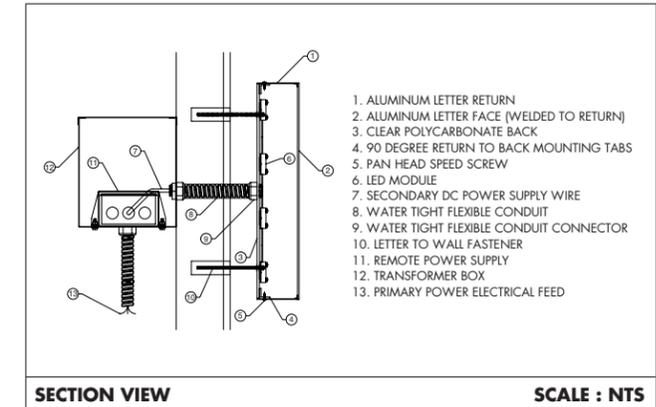
existing



← Proposed new sign

existing

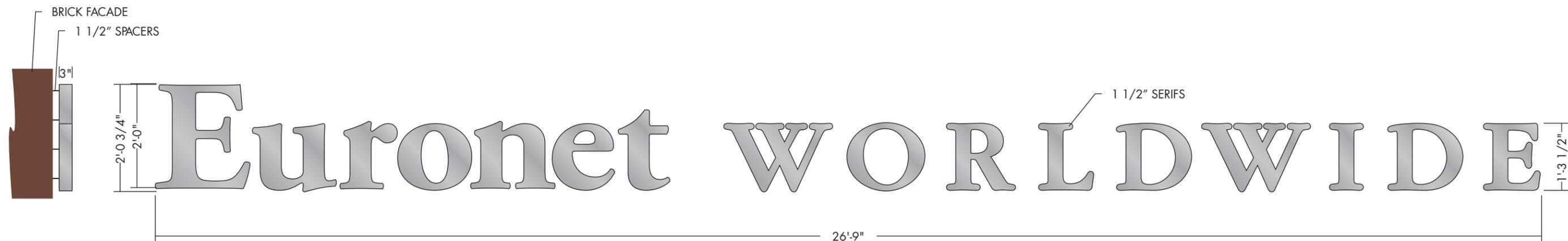




INDIVIDUALLY MOUNTED REVERSE CHANNEL LETTER
LED ILLUMINATION & REMOTE POWER SUPPLY



APPROXIMATING NIGHT VIEW



All noted dimensions are approximate and may be modified slightly during manufacturing to allow proper component usage.

2533 SQ FT OF TENANT AREA
5% ALLOWANCE 126.6 SQ FT
PROPOSED 55.17 SQ FT

- SPECIFICATIONS:**
- PRODUCE AND INSTALL (1) SET OF INTERNALLY-ILLUMINATED REVERSE CHANNEL LETTERS
 - "EURONET WORLDWIDE" - FABRICATED ALUMINUM LETTERS PAINTED BRUSHED ALUMINUM AND HALO LIT WHITE LEDS
 - INSTALLS STUD MOUNTED 1 1/2" OFF OF FASCIA
 - NOTE: FONT MODIFIED FOR PRODUCTION

CUSTOMER: EURONET WORLDWIDE
NAME: JAY BROOKS
LOCATION: 11400 TOMAHAWK CREEK PKWY
LEAWOOD, KS 66211

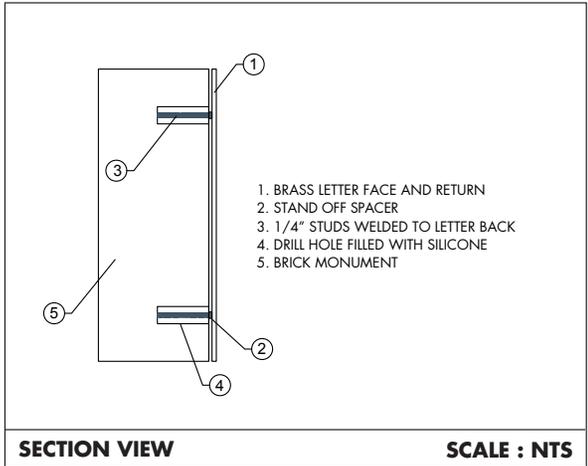
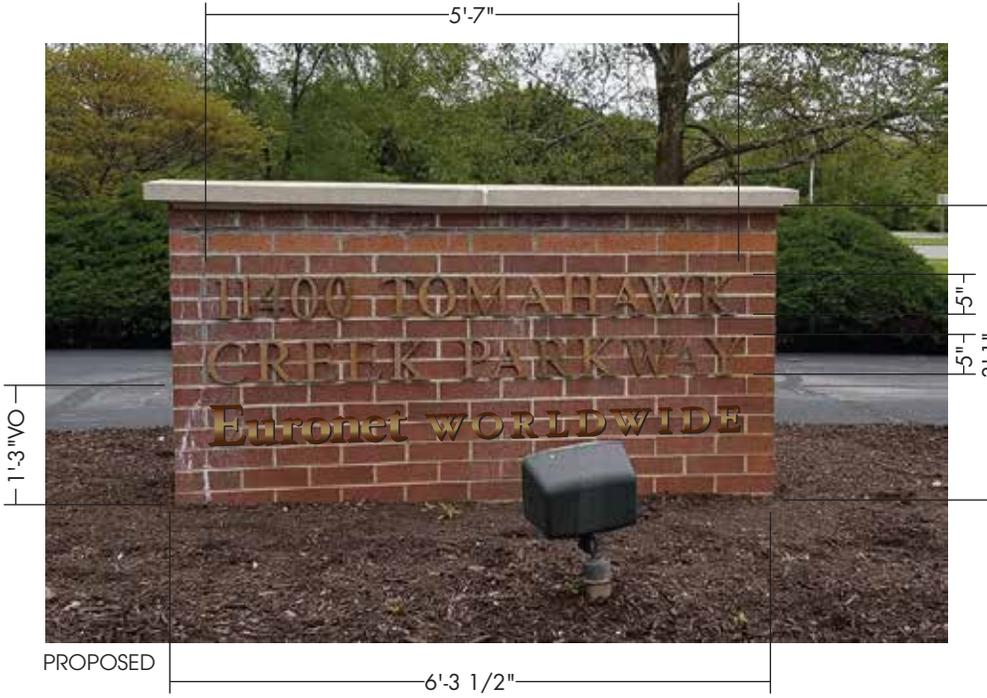
DATE: 7/16/20
DESIGN NO: SP-34647ELANDLORDr2
ARTIST: JH

SCALE: 1/2" = 1'

APPROVED:

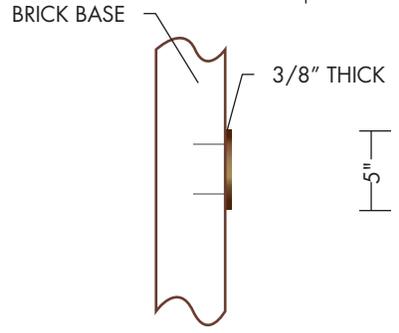
DATE:





SECTION VIEW **SCALE : NTS**

NON-ILLUMINATED FLAT CUT OUT LETTER
FLUSH MOUNT



All noted dimensions are approximate and may be modified slightly during manufacturing to allow proper component usage.

SPECIFICATIONS: • FURNISH AND INSTALL (2) SETS OF FLAT CUT OUT LETTERS FOR EXISTING DOUBLE-FACED BRICK ENTRY MONUMENT • "EURONET WORLDWIDE" - 3/8" THICK BRASS LETTERS WITH LIGHT OXIDIZED BRUSHED HORIZONTAL FINISH TO MATCH EXISTING • STUD MOUNTED FLUSH	CUSTOMER: EURONET WORLDWIDE NAME: JAY BROOKS LOCATION: 11400 TOMAHAWK CREEK PKWY LEAWOOD, KS 66211	DATE: 7/16/20 DESIGN NO: SP-34647LANDLORDr2 ARTIST: JH	
	SCALE: 1/2" = 1'		
APPROVED:		DATE:	

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RESOLUTION NO. _____

RESOLUTION APPROVING A FINAL SIGN PLAN FOR EURONET WORLDWIDE, LOCATED SOUTH OF 114TH STREET AND WEST OF TOMAHAWK CREEK PARKWAY. (PC CASE 58-20)

WHEREAS, the applicant submitted a request for approval of a Final Sign Plan for Euronet Worldwide;

WHEREAS, such request for approval was presented to the Planning Commission on July 28, 2020; and

WHEREAS, the Planning Commission reviewed the application and recommended approval with certain stipulations.

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF THE CITY OF LEAWOOD, KANSAS:

SECTION ONE: The Governing Body hereby approves the Final Sign Plan for Euronet Worldwide, subject to the following stipulations and conditions:

1. The project is limited to the addition of a line of text to the existing southern monument sign, and a wall sign on the southwest corner of the existing building, facing south.
2. A sign permit from the Planning Department shall be obtained prior to erection of any signs.
3. Development rights under this approval shall vest in accordance with K.S.A. 12-764.
4. In addition to the stipulations listed in this report, the developer/property owner agrees to abide by all ordinances of the City of Leawood including the Leawood Development Ordinance, unless a deviation has been granted, and to execute a statement acknowledging in writing that they agree to stipulations one through four.

SECTION TWO: This resolution shall become effective upon passage.

PASSED by the Governing Body this 17th day of August, 2020.

APPROVED by the Mayor this 17th day of August, 2020.

[SEAL]

Peggy J. Dunn, Mayor

ATTEST:

Kelly L. Varner, City Clerk

APPROVED AS TO FORM:

Marcia L. Knight, Assistant City Attorney

Staff Review

Fact Sheet

SUBJECT: **APPROVE SERVICES AGREEMENT FOR
INSTALLATION OF PUBLIC ART PIECES
"INSPIRATION" AND "WOMEN OF THE WORLD"
MegaKC**

August 17, 2020

DISCUSSION

The construction for installation of the two art pieces of "Inspiration" and "Women of the World" was recently bid and opened on July 30, 2020.

The four bids received were as follows:

- MegaKC \$94,475
- Donlinger & Sons Const. \$94,870
- Gunter Const. \$105,000
- Haren Companies \$150,347

"Inspiration" will be installed at the southeast corner of Tomahawk Creek Parkway and College Boulevard. "Women of the World" will be installed in the grassy circle at the front entrance to the Justice Center.

Staff will be working with the two fabricators who are restoring the pieces to coordinate the installations. It is not known at this time how long the restoration process will take.

The agreement with MegaKC calls for a completion date of 60 days following the notice to proceed. Staff will strive to get both installations completed by the end of this year.

The cost of installation is being paid out of the Public Art budget.

Holly York
Cultural Arts Supervisor

SPONSOR

Parks & Recreation Department

COUNCIL ACTION TO BE TAKEN

Approve Service Agreement for construction of footings and installation of Public Art pieces.

STAFF RECOMMENDATION

- For
- Against
- No position

COMMITTEE RECOMMENDATION

- For
- Against
- No position No Assignment

POLICY OR PROGRAM CHANGE

- No
- Yes

OPERATIONAL IMPACT

COSTS

\$94,475.00

FUND SOURCES

City Capital Art
 "Inspiration " 79027.120.846101
 "Women of World" 79028.120.846101

RESOLUTION NO. _____

RESOLUTION APPROVING AND AUTHORIZING THE MAYOR TO EXECUTE A CONSTRUCTION AGREEMENT IN THE AMOUNT OF \$94,475.00 BETWEEN THE CITY AND MEGA KC PERTAINING TO THE INSTALLATION OF FOOTINGS FOR THE "INSPIRATION" AND "WOMEN OF THE WORLD" ART PIECES

WHEREAS, the City is in need of services pertaining to the installation of footings for the "Inspiration" and "Women of the World" art pieces;

WHEREAS, MegaKC provides such services; and

WHEREAS, the parties desire to execute a Construction Agreement regarding such services.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF THE CITY OF LEAWOOD, KANSAS:

SECTION ONE: That the Governing Body hereby authorizes the Mayor to execute a Construction Agreement between the City and MegaKC, in the amount of \$94,475.00, attached hereto as Exhibit "A," and incorporated herein by reference as if fully set out.

SECTION TWO: This resolution shall become effective upon passage.

PASSED by the Governing Body this 17th day of August, 2020.

APPROVED by the Mayor this 17th day of August, 2020.

[SEAL]

Peggy J. Dunn, Mayor

ATTEST:

Kelly Varner, City Clerk

APPROVED AS TO FORM:

Patricia A. Bennett, City Attorney

City of Leawood Governing Body Staff Report

MEETING DATE: August 17, 2020
 REPORT WRITTEN: August 3, 2020

IRA STEIN PROPERTY – CELL TOWER – T-MOBILE ANTENNAS AND ASSOCIATED EQUIPMENT – REQUEST FOR APPROVAL OF AN ELIGIBLE FACILITIES REQUEST FOR THE REPLACEMENT OF ANTENNAS AND THE REPLACEMENT AND ADDITION OF ASSOCIATED EQUIPMENT – Located north of 135th Street and east of Nall Avenue – Case 76-20

STAFF RECOMMENDATION:

Staff reviewed the application of Case 76-20 – T-Mobile Antennas and Associated Equipment, and has determined that it meets the requirements for 6409(a) of the Middle Class Tax Relief and Job Creation Act of 2012. Staff recommends the Governing Body approve Case 76-20, Ira Stein Property – T-Mobile Antennas and Associated Equipment, with the following stipulations:

1. The application is limited the modifications of an existing T-Mobile Module on the ground level, the replacement of an existing FSMF to an existing H-Frame on the ground level, a total of 9 antennas to be replaced with 6 new antennas, 10 remote radio heads to be replaced with 6 remote radio heads, and the removal of 6 TMA's.
2. The equipment shall comply with and be maintained in accordance with all related federal guidelines and the requirements of Section 16-4-12.3(F)(2) of the Leawood Development Ordinance pertaining to the required concealment elements.
3. In addition to the stipulations listed in this report, the developer / property owner agrees to abide by all City ordinances, and to execute a statement acknowledging in writing that they agree to stipulations one through three.

APPLICANT:

- The applicant is Michael Gasser as agent for AT&T
- The property is owned by Stein Towers, L.C.

REQUEST:

- The applicant is proposing additions and modifications to T-Mobile equipment at the ground level and the 155' centerline.

ZONING:

- The property is currently zoned AG (Agricultural).

COMPREHENSIVE PLAN:

- The Comprehensive Plan designates this property as Mixed Use.

SURROUNDING ZONING:

- North,East, South and West The property is within the Parkway Plaza Mixed Use development. The property is surrounded on all sides by properties within the development zoned MXD (Mixed Use).

- The application meets the requirements of equipment co-location on a support structure as it is not increasing the height of the tower, does not involve any more equipment cabinets, and does not entail any excavation of the current site.
- The applicant's appurtenances shall continue to be mounted uniformly to create a symmetrical appearance, which complies with concealment efforts outlined in Section 16-4-12.3(F)(2) of the Leawood Development Ordinance. The existing antennae are meeting necessary requirements for the tower to be considered a legal structure, such as:
 - Mounting the antennae in order to minimize the visual impact to the greatest extent practicable, and shall not extend more than 7' from the face of the tower;
 - antennae are painted to match the color of the tower;
 - cabling to the antennae is internalized within the tower; and,
 - the property is landscaped.

The changes on the ground level of the pole and removal and replacement of T-Mobile antennas and ancillary equipment at the 155' centerline will be in conformance with the concealment requirements of the Leawood Development Ordinance.

T-Mobile

T-MOBILE SITE NUMBER: A5D0081A
T-MOBILE SITE NAME: 135TH & NALL
T-MOBILE PROJECT: CAPACITY-AWS3

BUSINESS UNIT #: 877796
SITE ADDRESS: 5290 W. 135TH STREET
 LEAWOOD, KS 66209
COUNTY: JOHNSON
SITE TYPE: MONOPOLE
TOWER HEIGHT: 170'-0"

T-Mobile

312 ELM STREET, 10TH FLOOR
 CINCINNATI, OH 45202



9045 RIVER ROAD, SUITE 425
 INDIANAPOLIS, IN 46240



1000 CALLE CORDILLERA,
 SAN CLEMENTE, CA 92673
 WWW.LEAFCOMM.COM
 (949) 388-0192

T-MOBILE SITE NUMBER:
A5D0081A

BU #: 877796
IRA STEIN PROPERTY

5290 W. 135th STREET
 LEAWOOD, KS 66209

EXISTING 170'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	03/14/2019	SK	PRELIMINARY	LQN
1	03/28/2019	LS	CONSTRUCTION	LQN
2	05/30/2019	MA	REVISED CDs	LQN
3	06/18/2019	MA	REVISED CDs	LQN
4	07/10/2020	LJS	CD REVISION	LQN



07/15/2020

VECTOR PROJECT #: U2314-227-191

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

SHEET NUMBER:

T-1

REVISION:

4

SITE INFORMATION

CROWN CASTLE USA INC. IRA STEIN PROPERTY
 SITE NAME:
 SITE ADDRESS: 5290 W. 135th STREET
 LEAWOOD, KS 66209
 COUNTY: JOHNSON
 MAP/PARCEL #: HF251328-2007
 AREA OF CONSTRUCTION: EXISTING
 LATITUDE: 38° 53' 8.80"
 LONGITUDE: -94° 38' 47.40"
 LAT/LONG TYPE: NAD83
 GROUND ELEVATION: 972'
 CURRENT ZONING: MXD (MIXED USE DISTRICT)
 JURISDICTION: CITY OF LEAWOOD
 OCCUPANCY CLASSIFICATION: C - COMMERCIAL
 TYPE OF CONSTRUCTION: IIB
 A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
 PROPERTY OWNER: STEIN TOWERS, L.C.
 4801 W 133RD ST # 201
 LEAWOOD, KS 66209
 TOWER OWNER: CROWN CASTLE USA INC.
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15317
 CARRIER/APPLICANT: T-MOBILE
 12920 SE 38TH STREET
 BELLEVUE, WA 98006
 ELECTRIC PROVIDER: TBD
 TELCO PROVIDER: TBD

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	SITE PLAN
C-1.2	EXISTING & FINAL EQUIPMENT PLANS
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	EQUIPMENT DETAILS & COAX COLOR CODING
C-4	EQUIPMENT SPECS
G-1	TYPICAL FINAL GROUNDING SCHEMATIC
G-2	GROUNDING DETAILS

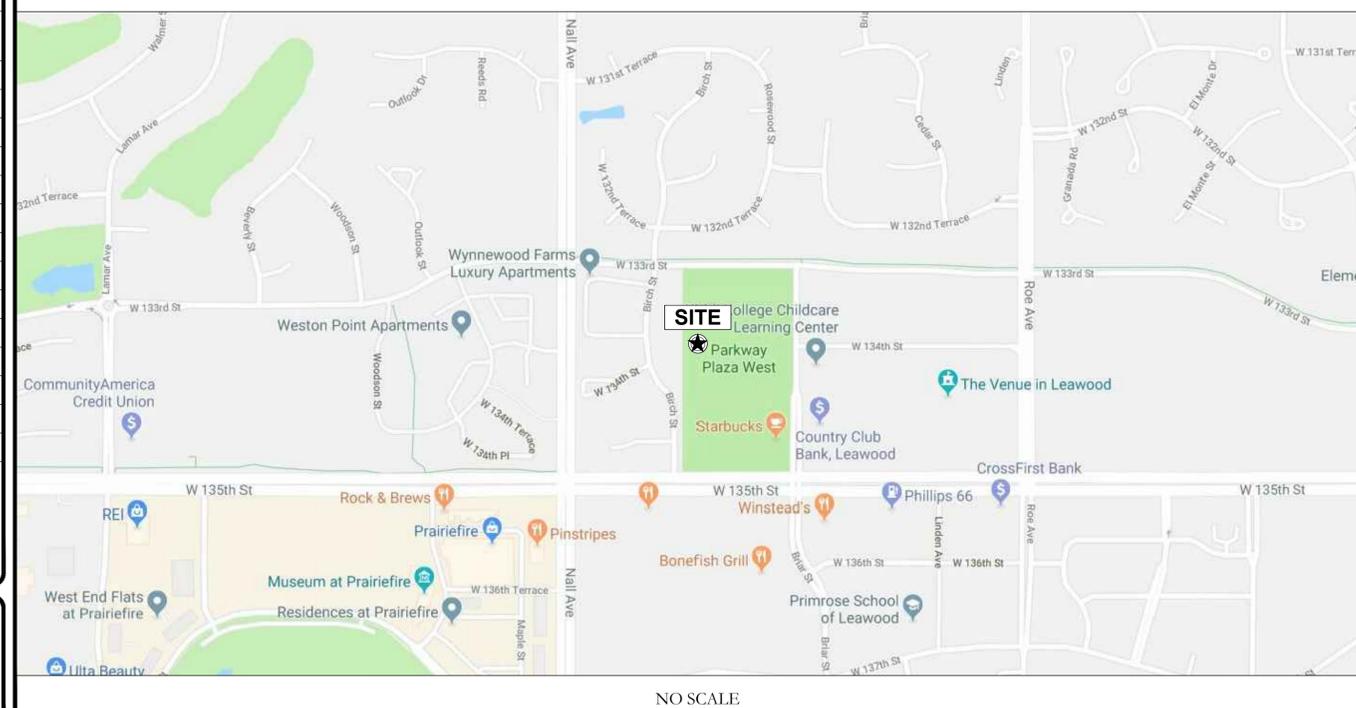
ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR FULL SIZE. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



CALL MISSOURI ONE CALL
 (800) DIG-RITE
 CALL 3 WORKING DAYS
 BEFORE YOU DIG!



LOCATION MAP



NO SCALE

PROJECT TEAM

A&E FIRM: LEAF COMMUNICATIONS
 944 CALLE AMANECER, SUITE E
 SAN CLEMENTE, CA 92673
 CONTACT: DAN LEAF
 PHONE: (949) 485-8793
 CROWN CASTLE USA INC. DISTRICT CONTACTS:
 1 CITY PLACE DRIVE, SUITE 490
 ST. LOUIS, MO 63141
 KIMBERLY FERGUSON - PROJECT MANAGER
 (314) 513-0137
 JOHN SCHMITZ - CONSTRUCTION MANAGER
 (913) 687-9339
 KEITH HAHN - A&E SPECIALIST
 (314) 398-1899
 T-MOBILE CONTACT: T-MOBILE CENTRAL LLC
 12920 SE 38TH STREET
 BELLEVUE, WA 98006
 ENGINEER OF RECORD: VECTOR STRUCTURAL ENGINEERING, LLC
 651 W. GALENA PARK BOULEVARD, SUITE 101
 DRAPER, UT 84020

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.
 TOWER SCOPE OF WORK:
 • REMOVE (9) ANTENNAS
 • REMOVE (10) RRHs
 • REMOVE (6) TMAs
 • INSTALL (6) ANTENNAS
 • INSTALL (6) RRHs
 • INSTALL (1) HYBRID CABLE 1.8"
 GROUND SCOPE OF WORK:
 • RELOCATED (1) FSMF TO (E) H-FRAME MOUNT
 • REMOVE (2) FSMF
 • REMOVE (3) FBBC
 • REMOVE (1) ESMB
 • INSTALL (2) AMIAs
 • INSTALL (3) ABIAs
 • INSTALL (1) ASIA
 • INSTALL (2) ASIK
 • INSTALL (3) ABIC
 • INSTALL (4) ABILs
 • INSTALL (1) ASIB
 • INSTALL (6) SFC4 DIPLEXERS
 • INSTALL (1) COVP

APPLICABLE CODS/REFERENCE DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2012 IBC
MECHANICAL	2011 IMC
ELECTRICAL	2012 NEC

REFERENCE DOCUMENTS:
 STRUCTURAL ANALYSIS: BY OTHERS
 DATED: TBD
 MOUNT ANALYSIS: BY OTHERS
 DATED: TBD
 RFDS REVISION: 4
 DATED: 5/27/2020 6:25 PM
 ORDER ID: 471078
 REVISION: 0

NOTE:
 PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER.

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

- NOTICE TO PROCEED- NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800-788-7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
- "LOOK UP" - CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT:
THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE FROM ITS SUPPORTS; DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR; IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE, ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
- PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
- ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED-STD-10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA-322 (LATEST EDITION).
- ALL SITE WORK TO COMPLY WITH QAS-STD-10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE" AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR CONSTRUCTION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
- IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
- ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
- CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
- THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
- THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
- THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GREENFIELD GROUNDING NOTES:

- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- THE CONTRACTOR SHALL PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 0.1 OHMS OR LESS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
- METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
- CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
- ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
- COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
- APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- BOND ALL METALLIC OBJECTS WITHIN 6 FT OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
- GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
- ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD-WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
- BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERREROUS OR NONFERREROUS METAL PIPING ONLY).

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

ELECTRICAL INSTALLATION NOTES:

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
- CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 20,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
- EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
- PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
- ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
- ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- CONDUIT AND TIEING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
- WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLO SPECMATE WIREWAY).
- SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
- CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
- EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
- METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
- INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "T-MOBILE".
- ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METEDED MULE TAPE PULL CORD INSTALLED.

CONDUCTOR COLOR CODE		
SYSTEM	CONDUCTOR	COLOR
120/240V, 1Ø	A PHASE	BLACK
	B PHASE	RED
	NEUTRAL	WHITE
	GROUND	GREEN
120/208V, 3Ø	A PHASE	BLACK
	B PHASE	RED
	C PHASE	BLUE
	NEUTRAL	WHITE
277/480V, 3Ø	GROUND	GREEN
	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
DC VOLTAGE	NEUTRAL	GREY
	GROUND	GREEN
	POS (+)	RED**
	NEG (-)	BLACK**

* SEE NEC 210.5(C)(1) AND (2)
** POLARITY MARKED AT TERMINATION

ABBREVIATIONS:

ANT	ANTENNA	QTY	QUANTITY
(E)	EXISTING	RECT	RECTIFIER
FIF	FACILITY INTERFACE FRAME	RBS	RADIO BASE STATION
GEN	GENERATOR	RET	REMOTE ELECTRIC TILT
GPS	GLOBAL POSITIONING SYSTEM	RFDS	RADIO FREQUENCY DATA SHEET
GSM	GLOBAL SYSTEM FOR MOBILE	RRH	REMOTE RADIO HEAD
LTE	LONG TERM EVOLUTION	RRI	REMOTE RADIO UNIT
MGB	MASTER GROUND BAR	SIAD	SMART INTEGRATED DEVICE
NW	MICROWAVE	TMA	TOWER MOUNTED AMPLIFIER
(N)	NEW	TYP	TYPICAL
NEC	NATIONAL ELECTRIC CODE	UMTS	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
(P)	PROPOSED	W.P.	WORK POINT
PP	POWER PLANT		



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(949) 388-0192

T-MOBILE SITE NUMBER:
A5D0081A

BU #: 877796
IRA STEIN PROPERTY

5290 W. 135th STREET
LEAWOOD, KS 66209

EXISTING 170'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	03/14/2019	SK	PRELIMINARY	LQN
1	03/28/2019	LS	CONSTRUCTION	LQN
2	05/30/2019	MA	REVISED CDS	LQN
3	06/18/2019	MA	REVISED CDS	LQN
4	07/10/2020	LJS	CD REVISION	LQN



07/15/2020

VECTOR PROJECT #: U2314-227-191

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SHEET NUMBER: **T-2** REVISION: **4**

ISSUED FOR:

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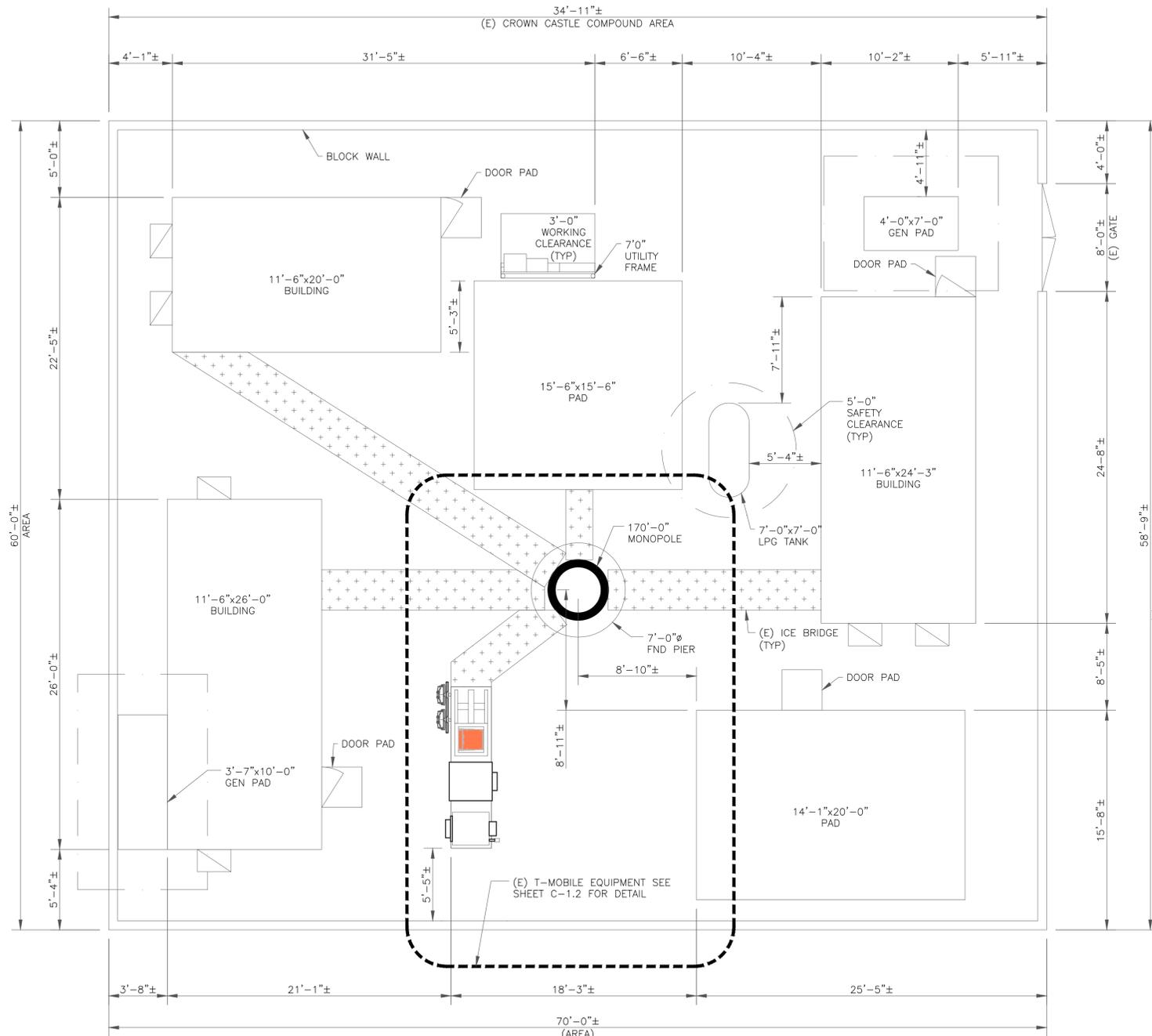
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SHEET NUMBER:

C-1.1

REVISION:

4

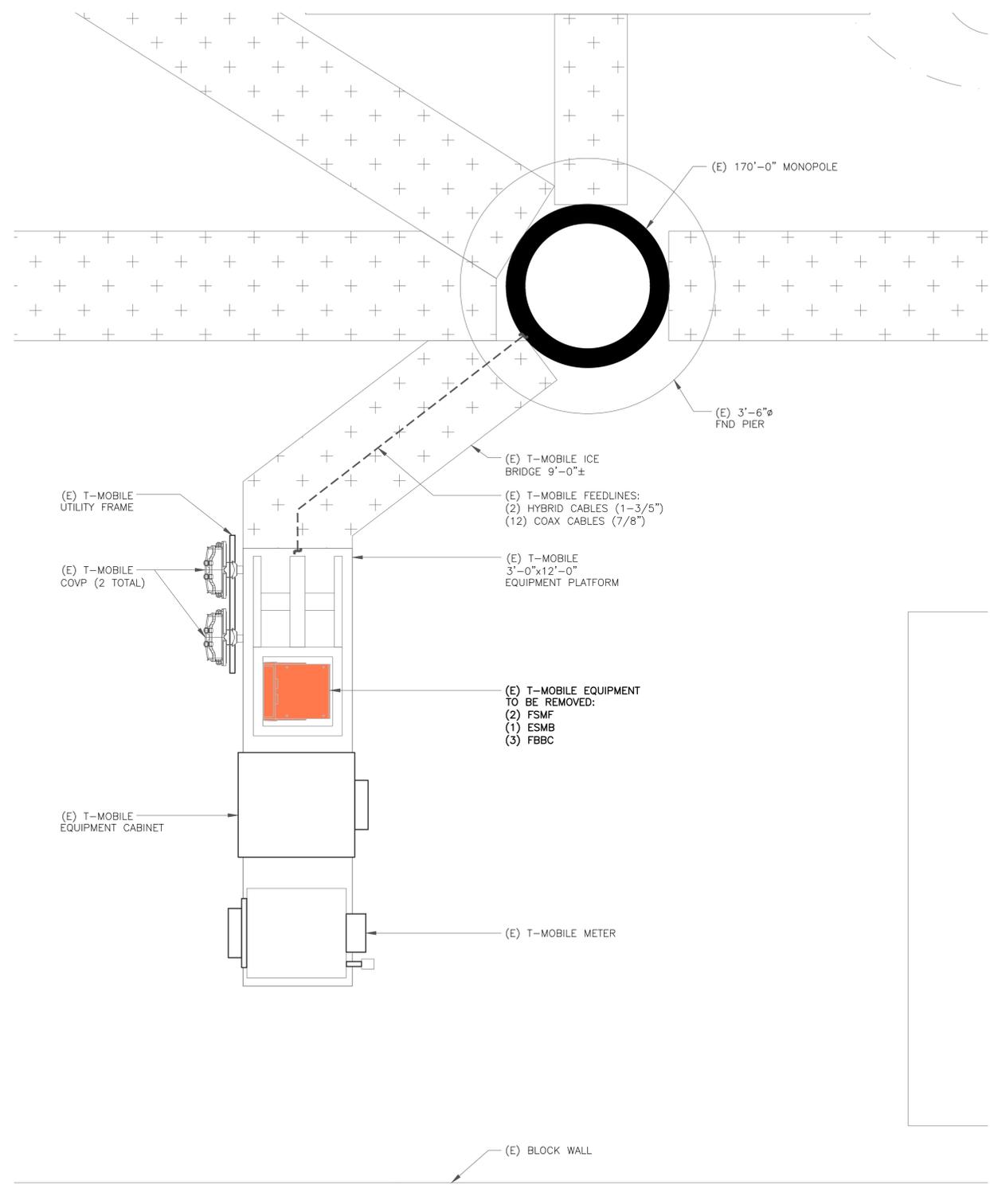


1 SITE PLAN
SCALE: 3/16"=1'-0" (FULL SIZE)
3/32"=1'-0" (11x17)

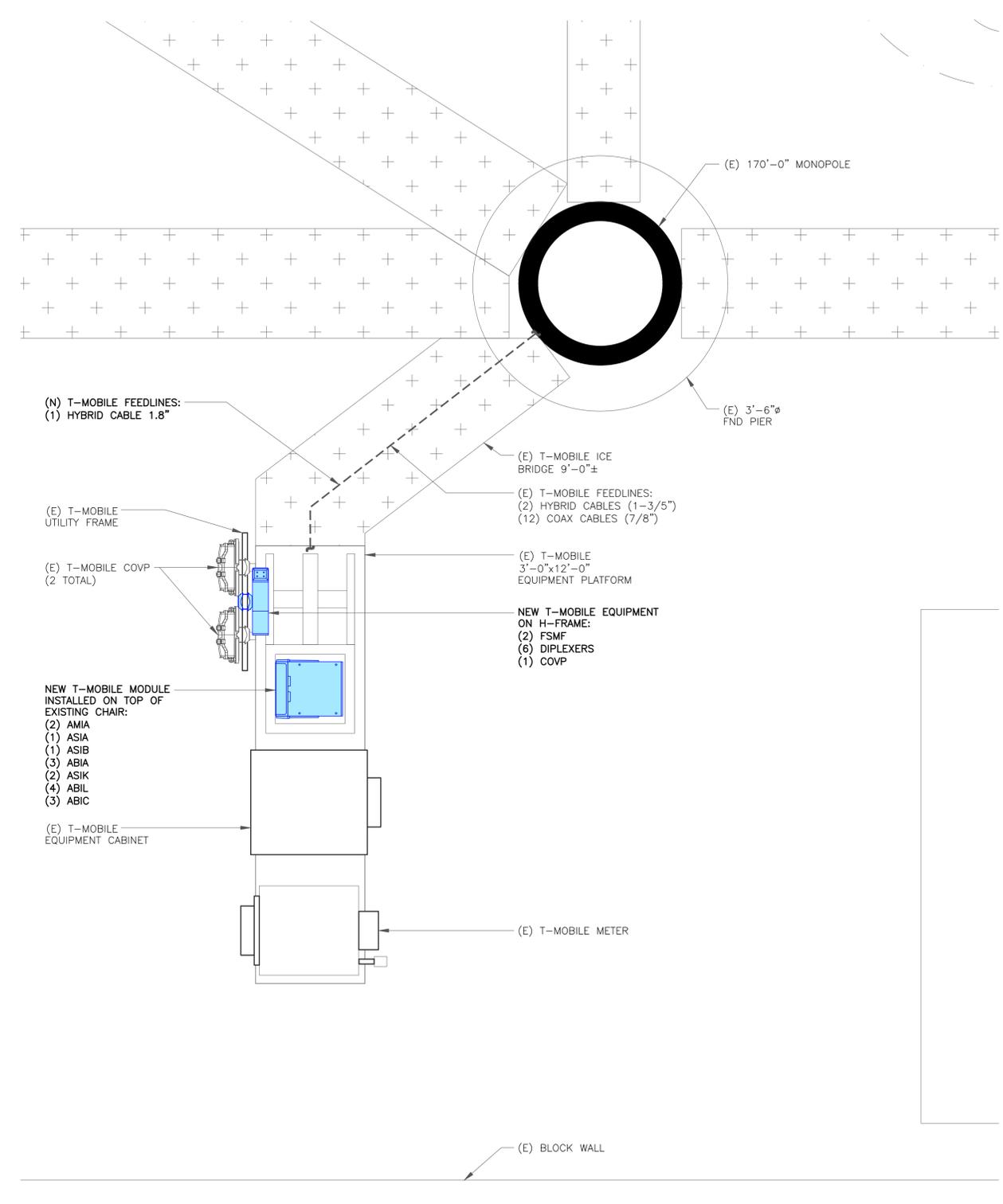


EQUIPMENT LEGEND:

- EXISTING
- TO BE RELOCATED/REMOVED
- NEW



1 EXISTING EQUIPMENT PLAN
SCALE: 1/2"=1'-0" (FULL SIZE)
1/4"=1'-0" (11x17)



2 FINAL EQUIPMENT PLAN
SCALE: 1/2"=1'-0" (FULL SIZE)
1/4"=1'-0" (11x17)



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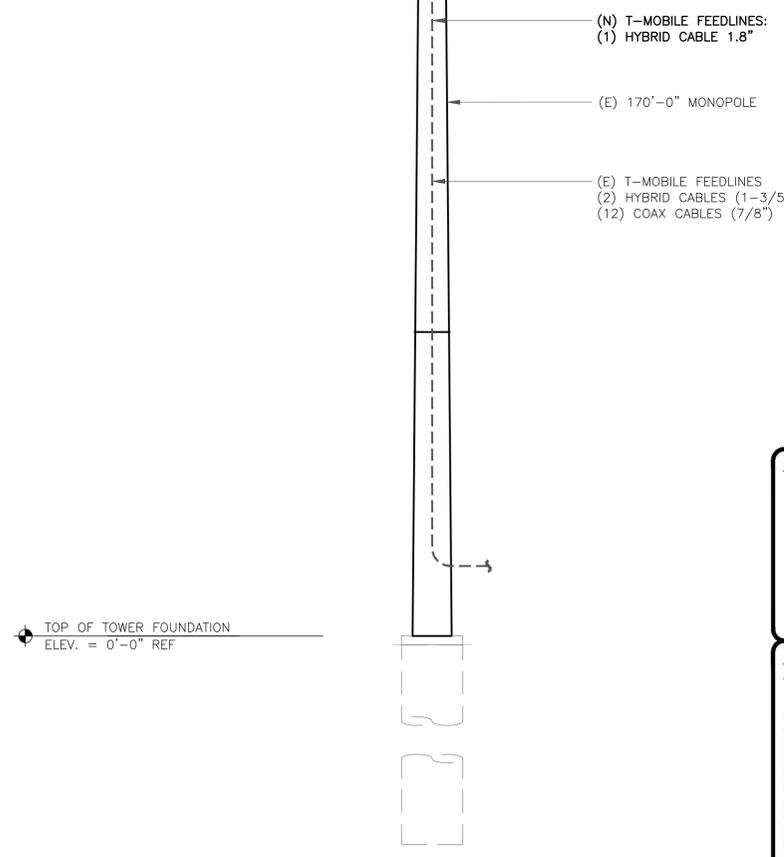
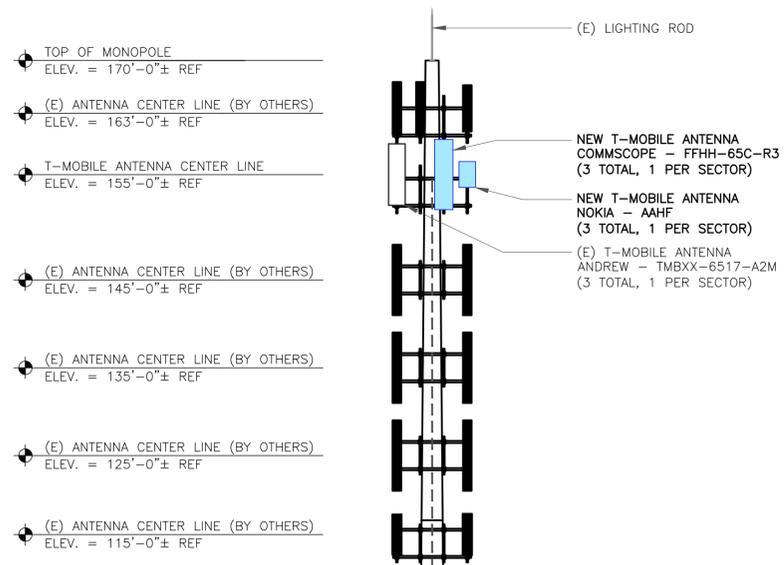
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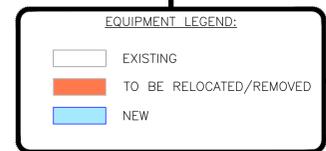
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SHEET NUMBER: **C-1.2** REVISION: **4**



1 FINAL ELEVATION
SCALE: NOT TO SCALE

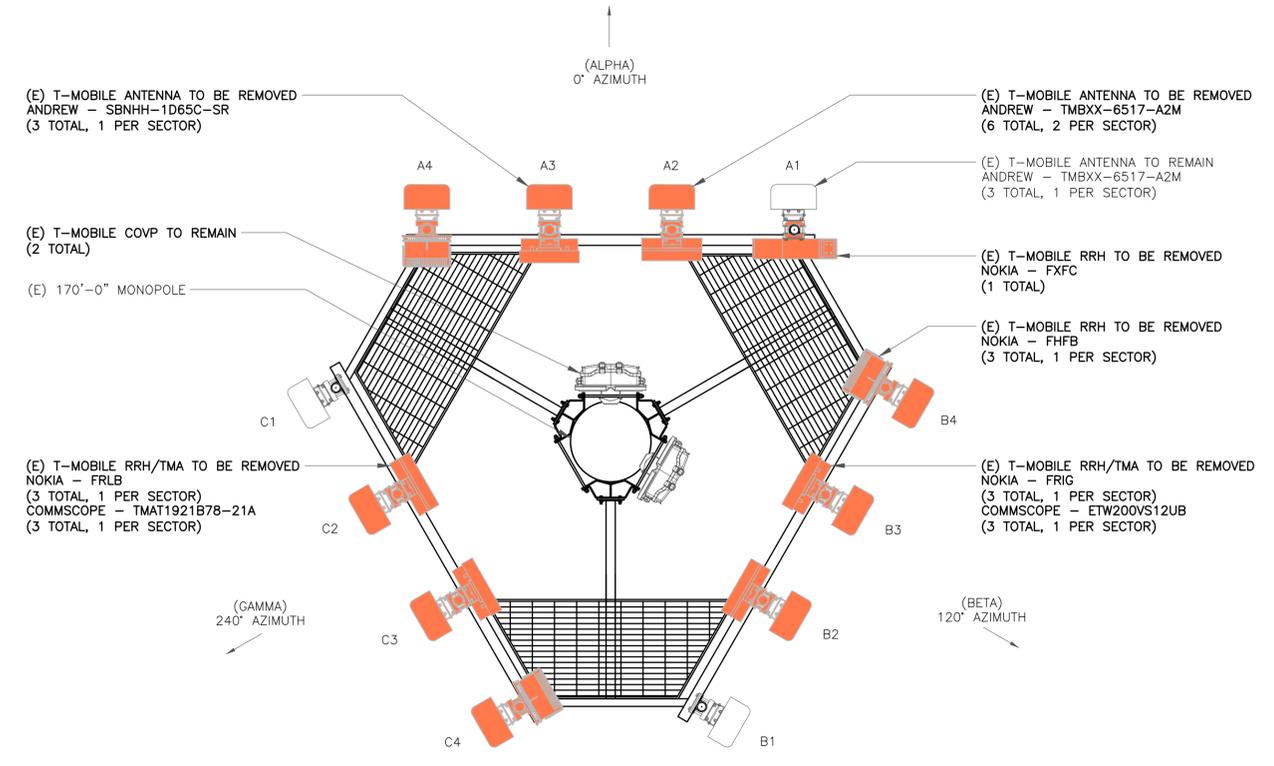


MOUNT ANALYSIS NOTES:

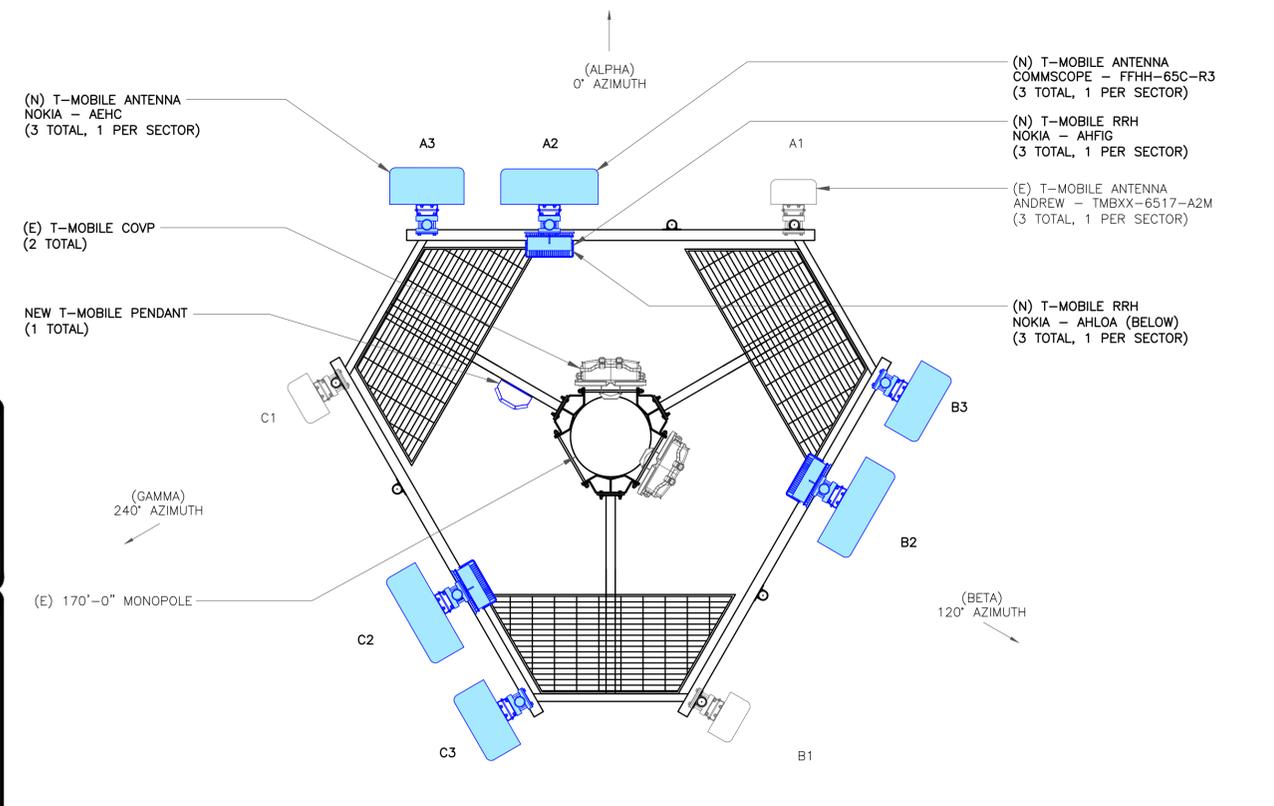
- THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING MOUNT ANALYSIS.
- CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE MOUNT ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION.
- ANY REQUIRED MOUNT MODIFICATION DESIGN OR MOUNT REPLACEMENT SHALL BE APPROVED BY OTHERS.

"LOOK UP" - CROWN CASTLE USA INC.
SAFETY CLIMB REQUIREMENT:

THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 FINAL ANTENNA PLAN
SCALE: NOT TO SCALE

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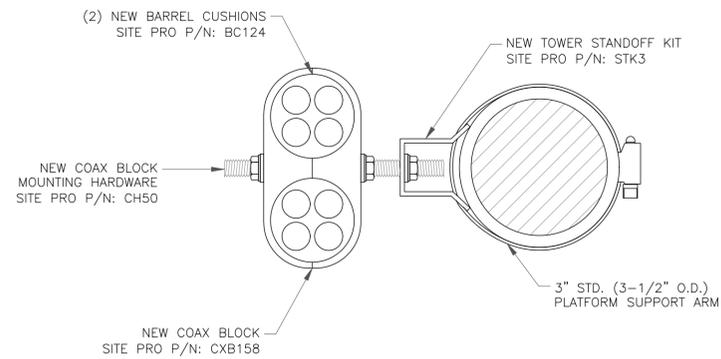
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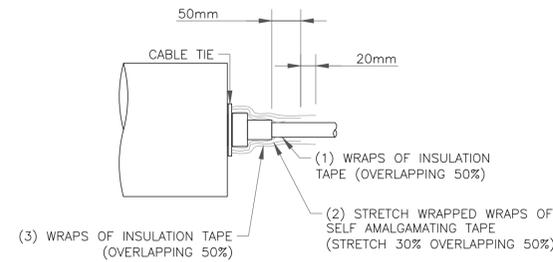
VECTOR PROJECT #: U2314-227-191

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SHEET NUMBER: **C-2** REVISION: **4**

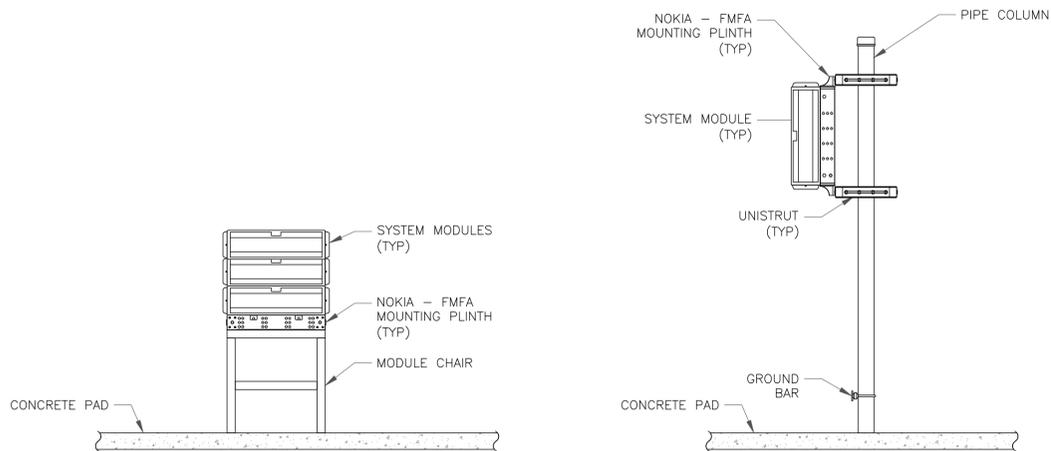


1 RF JUMPER DETAIL
SCALE: NOT TO SCALE



2 RF JUMPER CONNECTION
SCALE: NOT TO SCALE

INSTALLER NOTE:
JUMPERS TO BE TORQUED TO 221.27 IN/LBS



3 GROUND EQUIPMENT ELEVATION
SCALE: NOT TO SCALE

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 + SECTOR COLOR BANDS (1 & 2)
FIBER ID	GRAY
UNUSED COAX	PINK
MICROWAVE	ORANGE
DWE T-1'S + GPS DOWNLINK CABLE	ID W/LABEL MAKER

COLOR CODING NOTES:

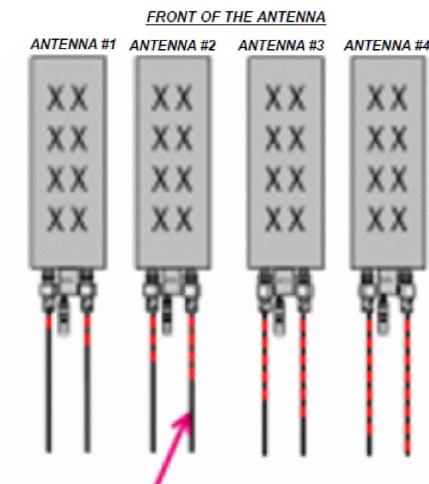
- color GSM
- color UMTS 1900
- color UMTS AWS
- color LTE
- color FIBER CABLE

METALLIC TAG NOTES:

- TWO METALLIC TAGS SHALL BE ATTACHED AT EACH END OF EVERY CABLE LONGER THAN (3) THREE FEET
- CABLE LESS THAN (3) THREE FEET WILL HAVE TWO METALLIC TAGS ATTACHED AT THE CENTER OF THE CABLE
- TAGS WILL BE FASTENED WITH STAINLESS STEEL ZIP TIES APPROPRIATE FOR CABLE DIAMETER
- STANDARDIZED METALLIC TAG KIT WILL BE ASSEMBLED WITH TAGS ALREADY ENGRAVED TO ACCOMMODATE ALL CONFIGURATIONS.



4 COAX COLOR CODING
SCALE: NOT TO SCALE



EXAMPLE: COAX WITH FOUR BANDS OF RED TAPE WILL REPRESENT ALPHA SECTOR AND THE 4TH PORT OF ANTENNA

ANTENNA AND COAXIAL CABLE SCHEDULE

- ALL ANTENNAS SHALL BE FURNISHED WITH DOWNTILT BRACKETS. CONTRACTOR SHALL COORDINATE REQUIRED MECHANICAL DOWNTILT FOR EACH ANTENNA WITH RF ENGINEER. ANTENNA DOWNTILT SHALL BE SET AND VERIFIED BY A SMART LEVEL.
- CONTRACTOR SHALL INSTALL COLOR CODE RINGS ON EACH OF THE HYBRID CABLES AND JUMPER CABLES WITH UV RESISTANT TAPE. ALL CABLE SHALL BE MARKED AT TOP AND BOTTOM WITH 2" COLOR TAPE OR STENCIL TAG. COLOR TAPE MAY BE OBTAINED FROM GRAYBAR ELECTRONICS.

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(949) 388-0192

T-MOBILE SITE NUMBER:
A5D0081A

BU #: 877796
IRA STEIN PROPERTY

5290 W. 135th STREET
LEAWOOD, KS 66209

EXISTING 170'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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1	03/28/2019	LS	CONSTRUCTION	LQN
2	05/30/2019	MA	REVISED CDs	LQN
3	06/18/2019	MA	REVISED CDs	LQN
4	07/10/2020	LJS	CD REVISION	LQN



07/15/2020

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FFHH-65C-R3



8-port sector antenna, 4x 617-806 and 4x 1695-2360 MHz, 65° HPBW, 3x RET, 600 MHz-Ready Antenna Technology

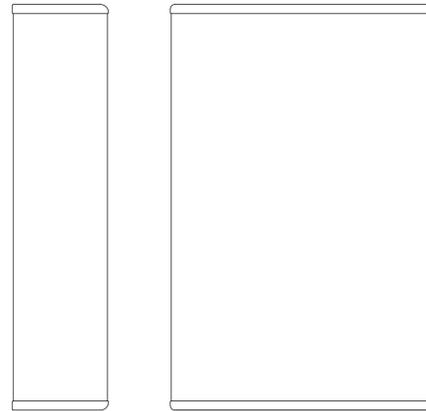
Electrical Specifications

Frequency Band, MHz	617-698	698-806	1695-1880	1850-1990	1920-2200	2300-2360
Gain, dBi	15.4	15.8	17.9	18.4	18.8	19.6
Beamwidth, Horizontal, degrees	66	61	64	65	64	56
Beamwidth, Vertical, degrees	10.2	9.2	5.7	5.3	4.9	4.4
Beam Tilt, degrees	2-13	2-13	2-12	2-12	2-12	2-12
USLS (First Lobe), dB	18	17	19	19	19	22
Front-to-Back Ratio at 180°, dB	33	31	38	41	40	38
Isolation, dB	28	28	28	28	28	28
Isolation, intersystem, dB	28	28	28	28	28	28
VSWR Return Loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PMW, 3rd Order, 2 x 20 W, dBc	-150	-153	-153	-153	-153	-153
Input Power per Port at 50°C, maximum, watts	250	250	250	250	250	200
Polarization	±45°	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm					

Electrical Specifications, BASTA*

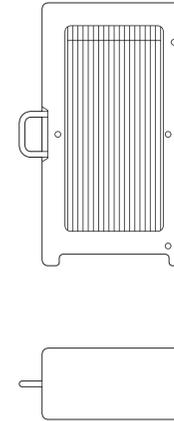
Frequency Band, MHz	617-698	698-806	1695-1880	1850-1990	1920-2200	2300-2360
Gain by all Beam Tilts, average, dBi	15.2	15.5	17.5	18.0	18.4	19.2
Gain by all Beam Tilts Tolerance, dB	±0.4	±0.4	±0.4	±0.5	±0.5	±0.6
Gain by Beam Tilt, average, dBi	2° 15.0 8° 15.3 13° 15.1	2° 15.3 8° 15.6 13° 15.3	2° 17.3 7° 17.6 12° 17.5	2° 17.8 7° 18.1 12° 17.9	2° 18.1 7° 18.5 12° 18.4	2° 18.7 7° 19.3 12° 19.2
Beamwidth, Horizontal Tolerance, degrees	±3	±5.1	±5.9	±5.6	±5.9	±7.2
Beamwidth, Vertical Tolerance, degrees	±0.6	±0.6	±0.4	±0.3	±0.4	±0.2
USLS, beampeak to 20° above beampeak, dB	17	14	15	15	16	17
Front-to-Back Total Power at 180° ± 30°, dB	23	21	30	31	31	30
CFR at Boresight, dB	21	20	18	18	19	19
CFR at Sector, dB	7	10	8	7	8	7

1 ANTENNA MANUFACTURER DETAIL – FOR REFERENCE ONLY
SCALE: NOT TO SCALE



NOKIA - AEHC
WEIGHT (WITHOUT MOUNTING HARDWARE): 99.2 LBS
SIZE (HxWxD): 35.43x22.83x8.26 IN.

2 ANTENNA MANUFACTURER DETAIL – FOR REFERENCE ONLY
SCALE: NOT TO SCALE



NOKIA - AHFG
WEIGHT (FULLY EQUIPPED): 79.4 LBS
SIZE (HxWxD): 27.6x13.4x5.6 IN.
CONNECTOR TYPE: 4.3-1 FEMALE

3 RRH MANUFACTURER DETAIL – FOR REFERENCE ONLY
SCALE: NOT TO SCALE

Table 147 AHLOA functional specification (Cont.)

Property	Value
RX frequency range	B12: 729 - 746 MHz, extended below B12 729-729 MHz for future NB-IoT use
DL instantaneous bandwidth	B71: 663 - 698 MHz B12: 698 - 716 MHz, extended below B12 698-699 MHz for future NB-IoT use
UL instantaneous bandwidth	B71: 35 MHz B12 + extension: 18 MHz
DL filter bandwidth	B71: 35 MHz B12 + extension: 18 MHz
UL filter bandwidth	B71: 35 MHz B12 + extension: 18 MHz
Supported bandwidths	1.4, 3, 5, 10, 15, 20 MHz

Interfaces

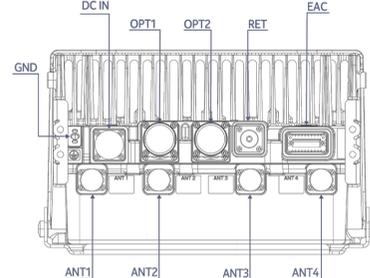
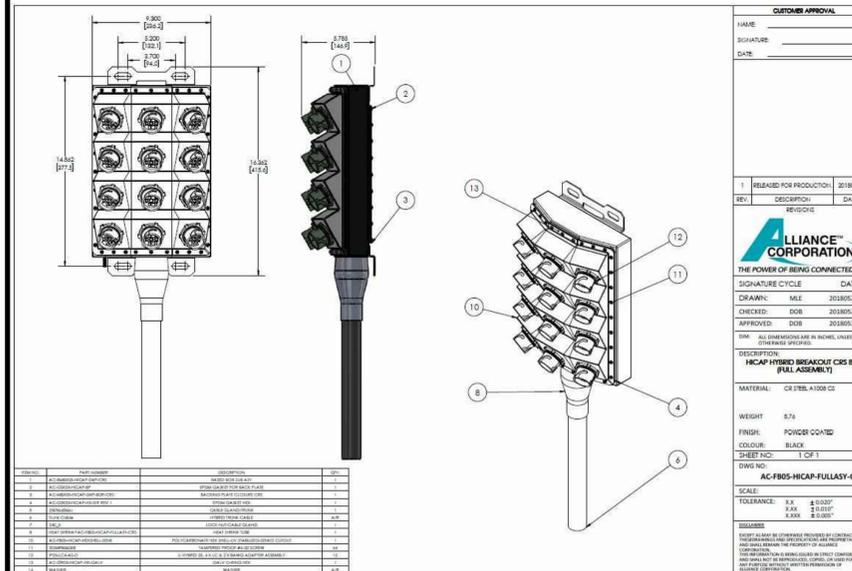


Figure 37 AHLOA interfaces

Property	Value	Dimensions orientation
Height	Core RRH: 560 mm (22.0 in.) With upper and lower mounting brackets: 675 mm (26.6 in.)	
Depth	Core RRH: 189 mm (7.4 in.) With mounting brackets: 205 mm (8.1 in.)	
Width	Core RRH: 308 mm (12.1 in.) With mounting brackets: 327 mm (12.9 in.)	
Weight	38 kg (83.8 lb)	

4 RRH MANUFACTURER DETAIL – FOR REFERENCE ONLY
SCALE: NOT TO SCALE



5 PENDANT MANUFACTURER DETAIL – FOR REFERENCE ONLY
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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T-MOBILE SITE NUMBER:
A5D0081A

BU #: 877796
IRA STEIN PROPERTY

5290 W. 135th STREET
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EXISTING 170'-0" MONOPOLE

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4	07/10/2020	LJS	CD REVISION	LQN



07/15/2020

VECTOR PROJECT #: U2314-227-191

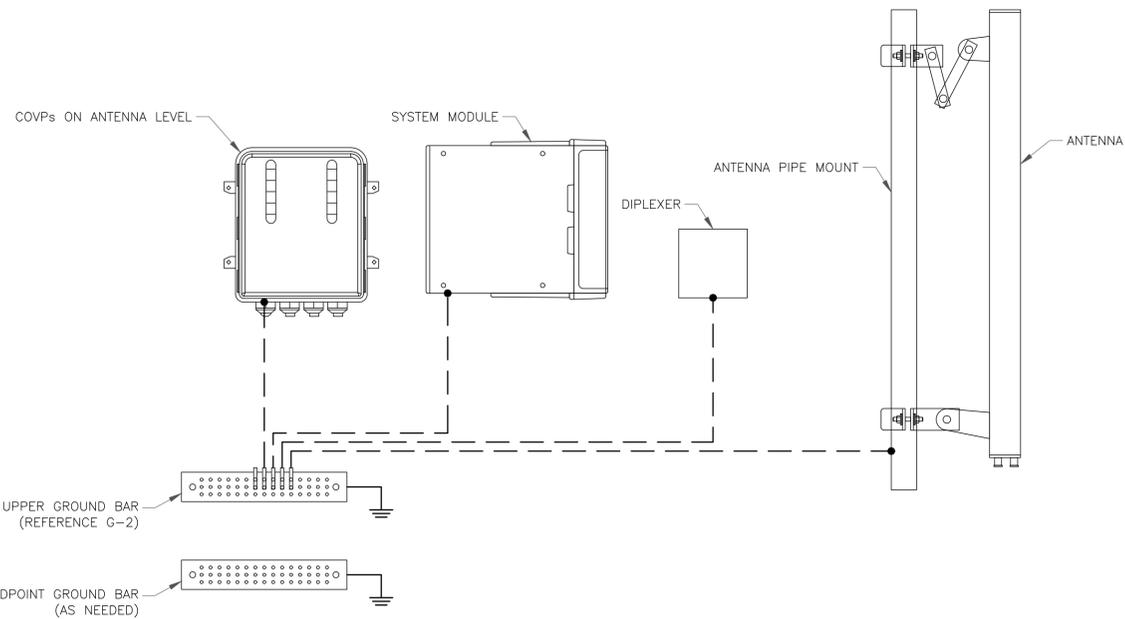
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SHEET NUMBER:

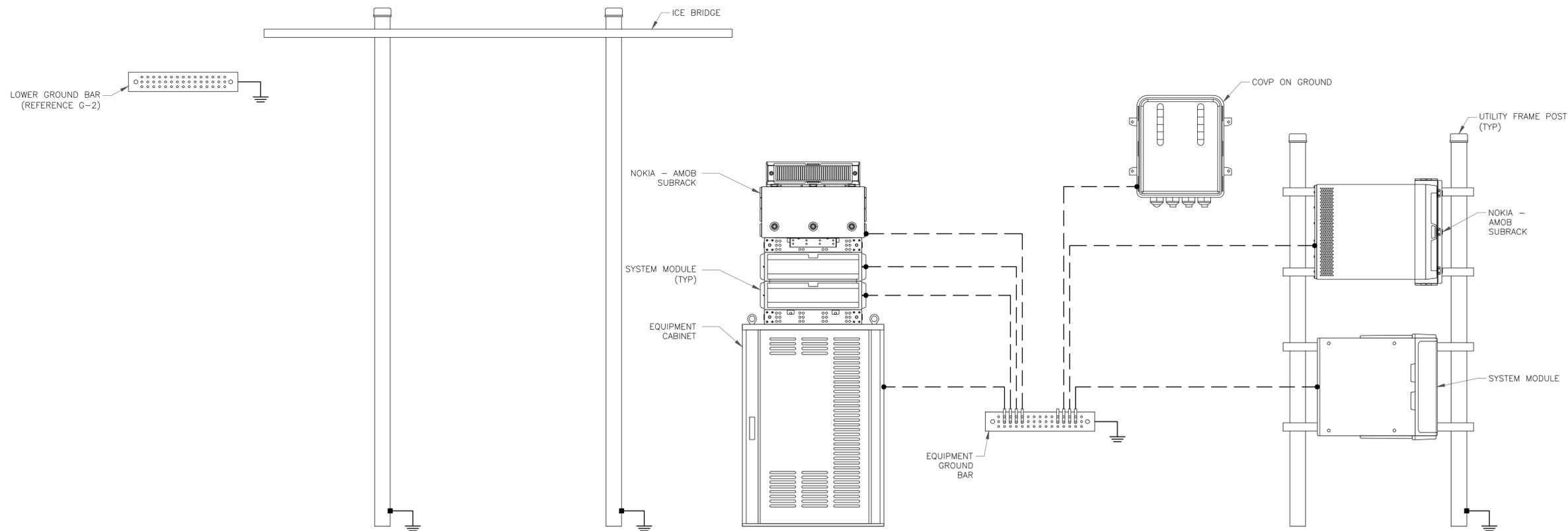
C-4

REVISION:

4



ANTENNA LEVEL
GROUND LEVEL



- GROUNDING PLAN LEGEND:**
- — — #6 STRANDED COPPER WITH GREEN INSULATION GROUND WIRE
 - · — · #2 STRANDED COPPER WITH GREEN INSULATION GROUND WIRE
 - · — · #2 BARE, SOLID, TINNED COPPER GROUND WIRE
 - EXOTHERMIC WELD
 - MECHANICAL CONNECTION
 - COPPER GROUND ROD
 - ⊗ GROUND ROD W/ TEST WELL

NOTE:
SEE FINAL EQUIPMENT PLAN FOR PROPOSED EQUIPMENT REQUIRING GROUNDING. CONTRACTOR TO VERIFY EXISTING EQUIPMENT GROUNDING IN FIELD. CONTRACTOR TO VERIFY IN FIELD AND INSTALL ANY MISSING T-MOBILE GROUND BARS ON SITE.

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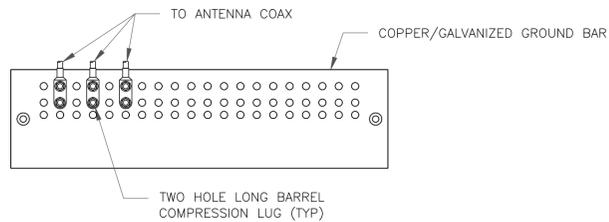
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4	07/10/2020	LJS	CD REVISION	LQN

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1 TYPICAL FINAL GROUNDING SCHEMATIC
SCALE: NOT TO SCALE

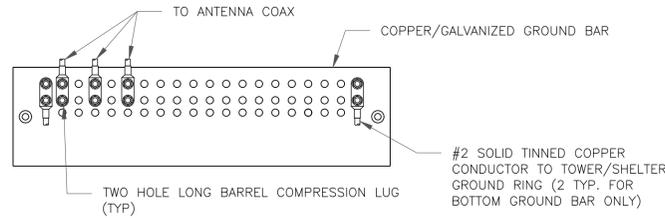
SHEET NUMBER: **G-1** REVISION: **4**



NOTES:

1. DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
3. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL.

1 ANTENNA GROUND BAR DETAIL
SCALE: NOT TO SCALE

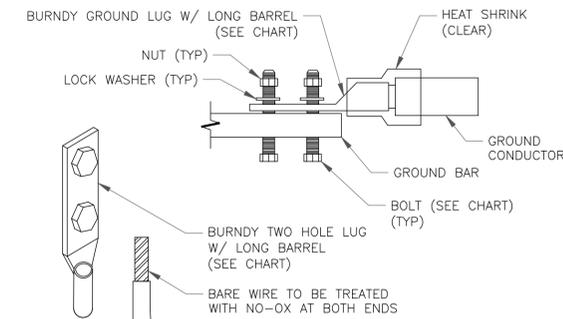


NOTES:

1. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
2. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
3. GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE

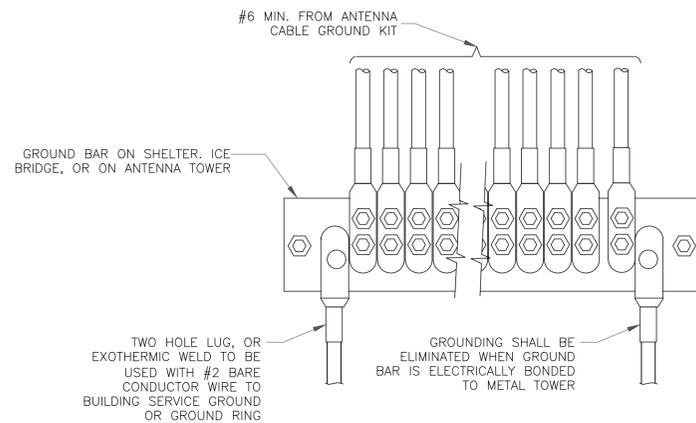
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 SOLID TINNED	YA3C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 STRANDED	YA2C-2TC38	3/8" - 16 NC SS 2 BOLT
#2/0 STRANDED	YA26-2TC38	3/8" - 16 NC SS 2 BOLT
#4/0 STRANDED	YA28-2N	1/2" - 16 NC SS 2 BOLT



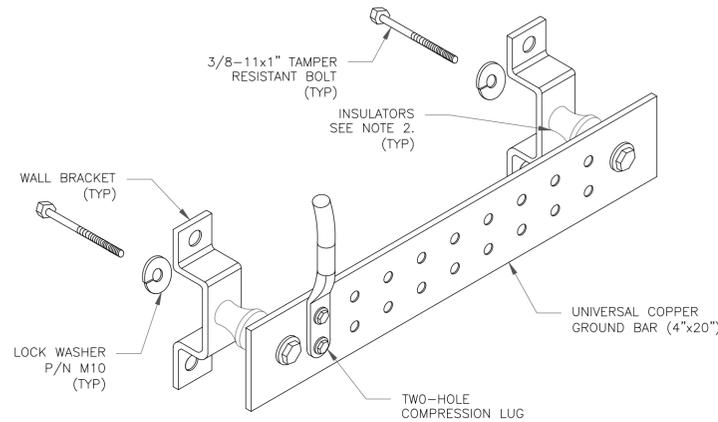
NOTE:

ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

3 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



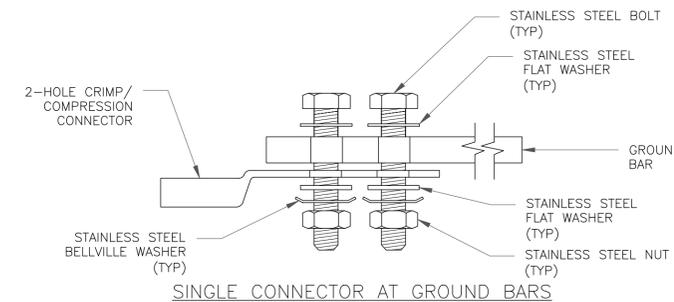
4 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



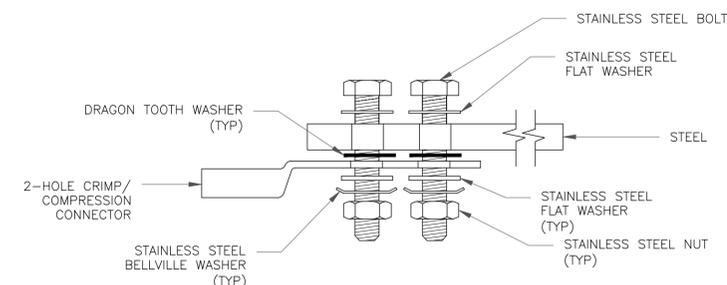
NOTES:

1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY GAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

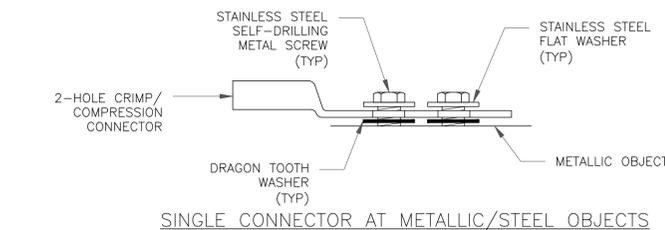
5 GROUND BAR DETAIL
SCALE: NOT TO SCALE



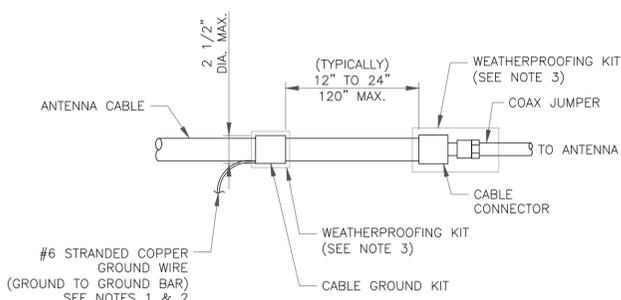
SINGLE CONNECTOR AT GROUND BARS



SINGLE CONNECTOR AT STEEL OBJECTS



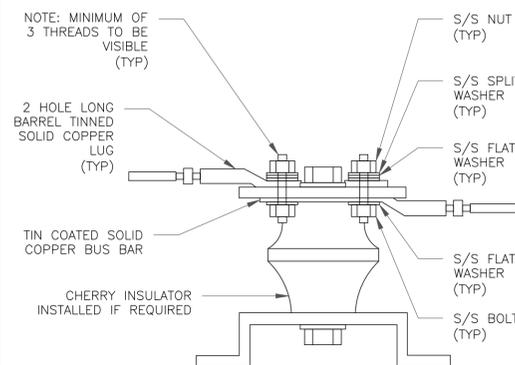
SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS



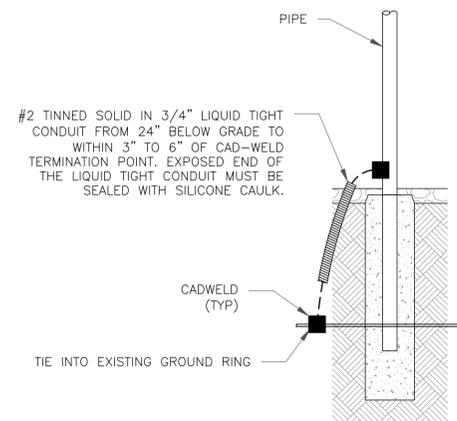
NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

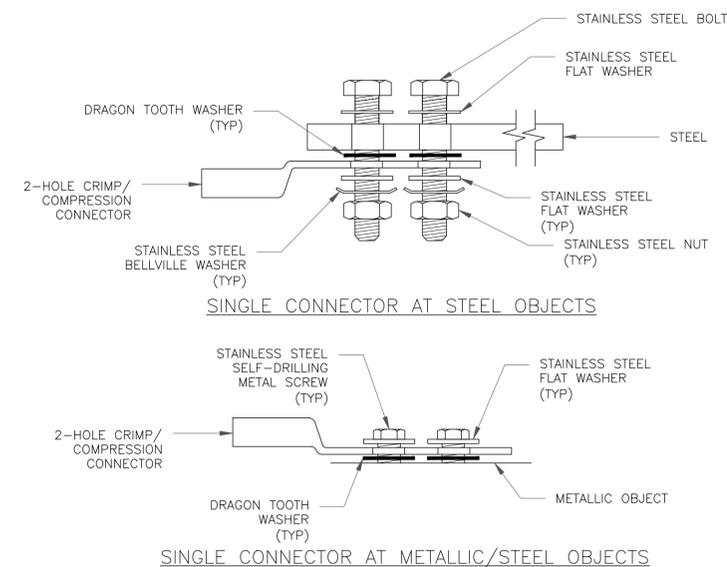
6 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE



9 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE

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SHEET NUMBER:

G-2

REVISION:

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Date: June 30, 2020



Amanda D Brown
Crown Castle
6325 Ardrey Kell Road, Suite 600
Charlotte, NC 28277

Vertical Structures, Inc.
309 Spangler Drive, Suite E
Richmond, KY 40475
(859) 624-8360

Subject: Structural Analysis Report

Carrier Designation: T-Mobile Co-Locate
Carrier Site Number: A5D0081A
Carrier Site Name: 135th & Nall

Crown Castle Designation: Crown Castle BU Number: 877796
Crown Castle Site Name: Ira Stein Property
Crown Castle JDE Job Number: 615645
Crown Castle Work Order Number: 1865942
Crown Castle Order Number: 525482 Rev. 0

Engineering Firm Designation: Vertical Structures, Inc. Project Number: 2020-003-053

Site Data: 5290 West 135th Street, Leawood, KS, Johnson County
Latitude 38° 53' 8.8", Longitude -94° 38' 47.4"
169.663 Foot - Monopole Tower

Dear Amanda D Brown,

Vertical Structures, Inc. is pleased to submit this "Structural Analysis Report" to determine the structural integrity of the above mentioned tower.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration

Sufficient Capacity

This analysis utilizes an ultimate 3-second gust wind speed of 115 mph as required by the 2012 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

We at Vertical Structures, Inc. appreciate the opportunity of providing our continuing professional services to you and Crown Castle. If you have any questions or need further assistance on this or any other projects please give us a call.

Respectfully submitted by:

Andrew Mathis, P.E.
Project Engineer



JUN 30 2020

Date: **June 30, 2020**



Amanda D Brown
Crown Castle
6325 Ardrey Kell Road, Suite 600
Charlotte, NC 28277

Vertical Structures, Inc.
309 Spangler Drive, Suite E
Richmond, KY 40475
(859) 624-8360

Subject: **Structural Analysis Report**

Carrier Designation: **T-Mobile Co-Locate**
Carrier Site Number: A5D0081A
Carrier Site Name: 135th & Nall

Crown Castle Designation: **Crown Castle BU Number:** 877796
Crown Castle Site Name: Ira Stein Property
Crown Castle JDE Job Number: 615645
Crown Castle Work Order Number: 1865942
Crown Castle Order Number: 525482 Rev. 0

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Andrew Mathis, P.E.
Project Engineer

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tnxTower Output

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Additional Calculations

1) INTRODUCTION

This tower is a 169.663 ft Monopole tower designed by EEI.

The tower foundation was modified per reinforcement drawings prepared by B&T Engineering in October of 2011. Reinforcement consisted of installing additional rebar into the drilled pier.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	115 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	2 in
Wind Speed with Ice:	40 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
155.0	157.0	3	andrew	TMBXX-6517-A2M w/ Mount Pipe	12 3	7/8 1 1/2
		1	commscope	HCS 2.0 Part 1		
		3	commscope	FFHH-65C-R3 w/ Mount Pipe		
		3	nokia	AEHC w/ Mount Pipe		
		3	nokia	AHFIG		
		3	nokia	AHLOA		
	2	raycap	ASU9338TYP01			
155.0	1		Platform Mount [LP 716-1]			

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
163.0	165.0	18	celwave	ACU-A20-N	3 1 1	7/8 1 1 5/8
		3	ericsson	RRUS 11 B26A		
		6	ericsson	RRUS 31 B25		
	164.0	3	ericsson	AIR 6468 B41 w/ Mount Pipe		
		6	rfs celwave	APXVSP18-C w/ Mount Pipe		
	163.0	1		Platform Mount [LP 716-1]		
145.0	145.0	1		Platform Mount [LP 716-1]	2 3 6	3/8 3/4 1 5/8
		3	alcatel lucent	B25 RRH4x30-4R		
		3	alcatel lucent	B66A RRH4x45-4R		
		3	cci antennas	TPA65R-BU8D w/ Mount Pipe		
		3	commscope	E15Z01P13		
		6	commscope	JAH4-65C-R4		
		3	nokia	AHBCB		
		3	nokia	AHLBA		
		1	raycap	DC6-48-60-18-8C		
135.0	135.0	1		Platform Mount [LP 716-1]	1 3 6	3/8 3/4 1 5/8
		3	alcatel lucent	RRH4x25-WCS		
		6	andrew	SBNHH-1D65C w/ Mount Pipe		
		6	commscope	E15Z01P13		
		1	raycap	DC6-48-60-18-8F		
125.0	125.0	1		Platform Mount [LP 716-1]	1 6	1 1/4 1 5/8
		3	commscope	CBC78-DF-2X		
		6	commscope	LNx-6515DS-A1M w/ Mount Pipe		
		3	ericsson	RRUS11 B2/RRUS A2		
		1	raycap	RRFDC-3315-PF-48		
115.0	116.0	3	commscope	TMA-S-DB1921-DD-A	1 6	1 1/4 1 5/8
		3	ericsson	Air 32 w/ Mount Pipe		
		3	kathrein	800 10510V01 w/ Mount Pipe		
		1	raycap	RRFDC-3315-PF-48		
	115.0	1		Platform Mount [LP 716-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
Online Application	T-Mobile Co-Locate Revision #0	525482	CCIsites
Tower Drawing	EEI Drawing No. GS49934	1549693	CCIsites
Foundation Drawing	EEI Drawing No. F2027-170.1	1473910	CCIsites
Geotechnical Report	Terracon Job No. 02965234	1449026	CCIsites
Rework Drawings	B+T Engineering Project No. 78093.002	3039672	CCIsites
Post Modification Inspection	B+T Group Project No. 78093.004	3381470	CCIsites

3.1) Analysis Method

tnxTower (version 8.0.5.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 Standard.

3.2) Assumptions

- 1) Tower and structures were maintained in accordance with the TIA-222 Standard.
- 2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. Vertical Structures, Inc. should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (lb)	SF*P_allow (lb)	% Capacity	Pass / Fail	
L1	169.663 - 117.681	Pole	TP29.6996x18x0.25	1	-20735.00	1409309.94	75.3	Pass	
L2	117.681 - 74.1134	Pole	TP38.8186x28.2513x0.375	2	-33298.90	2763599.87	83.1	Pass	
L3	74.1134 - 34.616	Pole	TP46.7708x36.885x0.4375	3	-46201.30	3888286.32	83.9	Pass	
L4	34.616 - 0	Pole	TP53.5x44.4969x0.4688	4	-63029.10	4916708.78	86.5	Pass	
							Summary		
							Pole (L4)	86.5	Pass
							Rating =	86.5	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	70.6	Pass
1	Base Plate	0	80.7	Pass
1	Base Foundation	0	76.7	Pass
1	Base Foundation Soil Interaction	0	12.9	Pass

Structure Rating (max from all components) =	86.5%
---	--------------

Notes:

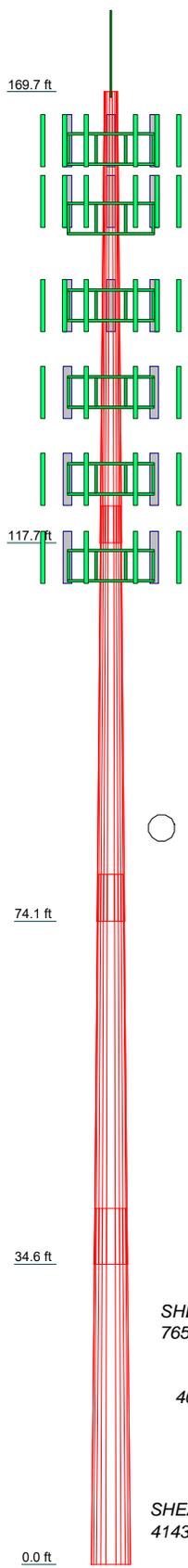
- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity.
- 2) The existing structure load modification factors, Kes, from TIA-222-H Annex S were considered in this analysis.
- 3) A demand-capacity ratio of 1.05 was used in this analysis as allowed by TIA-222-H.

4.1) Recommendations

The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A
TNXTOWER OUTPUT

Section	1	2	3	4	
Length (ft)	51.98	47.78	44.85	40.96	
Number of Sides	12	12	12	12	
Thickness (in)	0.2500	0.3750	0.4375	0.4688	
Socket Length (ft)	4.21	5.35	6.35		
Top Dia (in)	18.0000	28.2513	36.8850	44.4969	
Bot Dia (in)	29.6996	38.8186	46.7708	53.5000	
Grade		A572-65			
Weight (lb)	3360.4	6510.2	8898.6	10210.0	28978.2

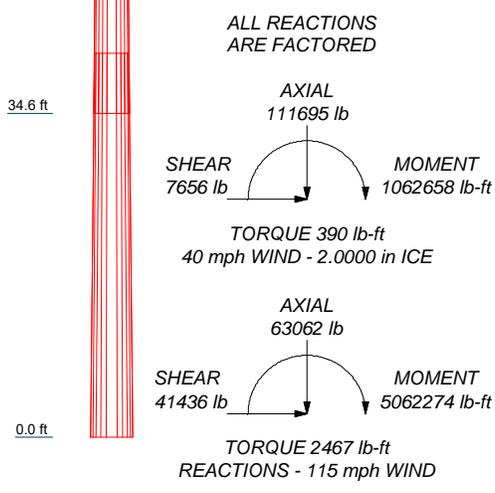


MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in Johnson County, Kansas.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 115 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 40 mph basic wind with 2.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. The existing structure load modification factors, Kes, from TIA-222-H Annex S were considered in this analysis
9. A demand-capacity ratio of 1.05 was used in this analysis as allowed by TIA-222-H
10. TOWER RATING: 86.5%



 Vertical Structures, Inc. 309 Spangler Drive, Suite E Richmond, KY 40475 Phone: (859) 624-8360 FAX: (859) 624-8369	Job: Ira Stein Property, KS BU#877796		
	Project: Vertical Structures Job No. 2020-003-053		
	Client: Crown Castle	Drawn by: Andrew Mathis	App'd:
	Code: TIA-222-H	Date: 06/30/20	Scale: NTS
	Path: \\VNAS1\Active Jobs\2020 Jobs\2020-003\2020-003-053\Ira Stein Property, KS\TDX\877796.dwg		Dwg No. E-1

tnxTower Vertical Structures, Inc. 309 Spangler Drive, Suite E Richmond, KY 40475 Phone: (859) 624-8360 FAX: (859) 624-8369	Job Ira Stein Property, KS BU#877796	Page 1 of 15
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Tower Input Data

The tower is a monopole.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

Tower is located in Johnson County, Kansas.

Tower base elevation above sea level: 971.00 ft.

Basic wind speed of 115 mph.

Risk Category II.

Exposure Category C.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.00 ft.

Nominal ice thickness of 2.0000 in.

Ice thickness is considered to increase with height.

Ice density of 56 pcf.

A wind speed of 40 mph is used in combination with ice.

Temperature drop of 50 °F.

Deflections calculated using a wind speed of 60 mph.

The existing structure load modification factors, K_{es} , from TIA-222-H Annex S were considered in this analysis.

A demand-capacity ratio of 1.05 was used in this analysis as allowed by TIA-222-H.

A non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

Stress ratio used in pole design is 1.05.

Tower analysis based on target reliabilities in accordance with Annex S.

Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

- | | | |
|--|---|---|
| <ul style="list-style-type: none"> Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification Use Code Stress Ratios Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile √ Include Bolts In Member Capacity √ Leg Bolts Are At Top Of Section √ Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) √ SR Members Have Cut Ends SR Members Are Concentric | <ul style="list-style-type: none"> Distribute Leg Loads As Uniform Assume Legs Pinned √ Assume Rigid Index Plate √ Use Clear Spans For Wind Area √ Use Clear Spans For KL/r √ Retension Guys To Initial Tension √ Bypass Mast Stability Checks √ Use Azimuth Dish Coefficients √ Project Wind Area of Appurt. √ Autocalc Torque Arm Areas Add IBC .6D+W Combination Sort Capacity Reports By Component √ Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs | <ul style="list-style-type: none"> Use ASCE 10 X-Brace Ly Rules √ Calculate Redundant Bracing Forces Ignore Redundant Members in FEA √ SR Leg Bolts Resist Compression √ All Leg Panels Have Same Allowable Offset Girt At Foundation √ Consider Feed Line Torque Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption <li style="text-align: center;">Poles √ Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known |
|--|---|---|

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	Client Crown Castle	Designed by Andrew Mathis

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	169.66-117.68	51.98	4.21	12	18.0000	29.6996	0.2500	1.0000	A572-65 (65 ksi)
L2	117.68-74.11	47.78	5.35	12	28.2513	38.8186	0.3750	1.5000	A572-65 (65 ksi)
L3	74.11-34.62	44.85	6.35	12	36.8850	46.7708	0.4375	1.7500	A572-65 (65 ksi)
L4	34.62-0.00	40.96		12	44.4969	53.5000	0.4688	1.8750	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	I ² /Q in ²	w in	w/t
L1	18.5468	14.2888	574.6149	6.3545	9.3240	61.6275	1164.3256	7.0325	4.1540	16.616
	30.6591	23.7069	2624.3396	10.5430	15.3844	170.5845	5317.6235	11.6678	7.2895	29.158
L2	30.0803	33.6606	3338.6950	9.9797	14.6342	228.1440	6765.1013	16.5667	6.5663	17.51
	40.0557	46.4206	8756.7961	13.7628	20.1080	435.4874	17743.6431	22.8468	9.3984	25.062
L3	39.2531	51.3455	8706.1157	13.0482	19.1064	455.6637	17640.9508	25.2707	8.7127	19.915
	48.2664	65.2720	17885.4379	16.5873	24.2273	738.2357	36240.7462	32.1249	11.3621	25.97
L4	47.3453	66.4550	16442.7553	15.7621	23.0494	713.3703	33317.4800	32.7071	10.6689	22.76
	55.2219	80.0440	28732.8493	18.9852	27.7130	1036.8004	58220.5425	39.3952	13.0818	27.908

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 169.66-117.68				1	1	1			
L2 117.68-74.11				1	1	1			
L3 74.11-34.62				1	1	1			
L4 34.62-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _A A _A ft ² /ft	Weight plf
LDF5-50A (7/8 FOAM)	C	No	No	Inside Pole	157.00 - 6.00	12	No Ice	0.33
							1/2" Ice	0.33
							1" Ice	0.33
							2" Ice	0.33
ASU9325TYP01_C CIV2 (1-1/2)	C	No	No	Inside Pole	157.00 - 6.00	2	No Ice	1.61
							1/2" Ice	1.61
							1" Ice	1.61
							2" Ice	1.61
HCS 2.0 Part 3	C	No	No	Inside Pole	157.00 - 6.00	1	No Ice	1.71

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Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight plf
(1-1/2)							1/2" Ice	0.00	1.71
							1" Ice	0.00	1.71
							2" Ice	0.00	1.71
**									
LDF7-50A (1-5/8 FOAM)	B	No	No	Inside Pole	116.00 - 6.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
LDF6-50A (1-1/4 FOAM)	B	No	No	Inside Pole	116.00 - 6.00	1	No Ice	0.00	0.66
							1/2" Ice	0.00	0.66
							1" Ice	0.00	0.66
							2" Ice	0.00	0.66
LDF7-50A (1-5/8 FOAM)	B	No	No	Inside Pole	125.00 - 6.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
LDF6-50A (1-1/4 FOAM)	B	No	No	Inside Pole	125.00 - 6.00	1	No Ice	0.00	0.66
							1/2" Ice	0.00	0.66
							1" Ice	0.00	0.66
							2" Ice	0.00	0.66
**									
LDF5-50A (7/8 FOAM)	A	No	No	Inside Pole	164.00 - 6.00	3	No Ice	0.00	0.33
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33
							2" Ice	0.00	0.33
Type 1A (1")	A	No	No	Inside Pole	164.00 - 6.00	1	No Ice	0.00	0.79
							1/2" Ice	0.00	0.79
							1" Ice	0.00	0.79
							2" Ice	0.00	0.79
942-98888-1FXXX (1-5/8" Fiber)	A	No	No	Inside Pole	164.00 - 6.00	1	No Ice	0.00	2.33
							1/2" Ice	0.00	2.33
							1" Ice	0.00	2.33
							2" Ice	0.00	2.33
**									
FB-L98-002-XXX (3/8")	C	No	No	Inside Pole	135.00 - 6.00	1	No Ice	0.00	0.07
							1/2" Ice	0.00	0.07
							1" Ice	0.00	0.07
							2" Ice	0.00	0.07
WR-VG86T (Power Cable)	C	No	No	Inside Pole	135.00 - 6.00	3	No Ice	0.00	0.53
							1/2" Ice	0.00	0.53
							1" Ice	0.00	0.53
							2" Ice	0.00	0.53
LDF7-50A (1-5/8 FOAM)	C	No	No	Inside Pole	135.00 - 6.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
FB-L98B-034-XXX (3/8")	C	No	No	Inside Pole	145.00 - 6.00	2	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
							2" Ice	0.00	0.06
WR-VG86T (Power Cable)	C	No	No	Inside Pole	145.00 - 6.00	3	No Ice	0.00	0.53
							1/2" Ice	0.00	0.53
							1" Ice	0.00	0.53
							2" Ice	0.00	0.53
LDF7-50A (1-5/8 FOAM)	C	No	No	Inside Pole	145.00 - 6.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82

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Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	C_{AA} In Face ft ²	C_{AA} Out Face ft ²	Weight lb
L1	169.66-117.68	A	0.000	0.000	0.000	0.000	190.42
		B	0.000	0.000	0.000	0.000	40.84
		C	0.000	0.000	0.000	0.000	644.40
L2	117.68-74.11	A	0.000	0.000	0.000	0.000	179.11
		B	0.000	0.000	0.000	0.000	476.84
		C	0.000	0.000	0.000	0.000	962.37
L3	74.11-34.62	A	0.000	0.000	0.000	0.000	162.37
		B	0.000	0.000	0.000	0.000	440.79
		C	0.000	0.000	0.000	0.000	872.46
L4	34.62-0.00	A	0.000	0.000	0.000	0.000	117.64
		B	0.000	0.000	0.000	0.000	319.35
		C	0.000	0.000	0.000	0.000	632.10

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	C_{AA} In Face ft ²	C_{AA} Out Face ft ²	Weight lb
L1	169.66-117.68	A	1.967	0.000	0.000	0.000	0.000	190.42
		B		0.000	0.000	0.000	0.000	40.84
		C		0.000	0.000	0.000	0.000	644.40
L2	117.68-74.11	A	1.890	0.000	0.000	0.000	0.000	179.11
		B		0.000	0.000	0.000	0.000	476.84
		C		0.000	0.000	0.000	0.000	962.37
L3	74.11-34.62	A	1.786	0.000	0.000	0.000	0.000	162.37
		B		0.000	0.000	0.000	0.000	440.79
		C		0.000	0.000	0.000	0.000	872.46
L4	34.62-0.00	A	1.594	0.000	0.000	0.000	0.000	117.64
		B		0.000	0.000	0.000	0.000	319.35
		C		0.000	0.000	0.000	0.000	632.10

Feed Line Center of Pressure

Section	Elevation ft	CP_x in	CP_z in	CP_x Ice in	CP_z Ice in
L1	169.66-117.68	0.0000	0.0000	0.0000	0.0000
L2	117.68-74.11	0.0000	0.0000	0.0000	0.0000
L3	74.11-34.62	0.0000	0.0000	0.0000	0.0000
L4	34.62-0.00	0.0000	0.0000	0.0000	0.0000

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

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Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
---------------	----------------------	-------------	-------------------------	-----------------------	--------------------

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment °	Placement ft	C _A A _A Front	C _A A _A Side	Weight lb
			ft ft ft			ft ²	ft ²	
Lightning Rod 8' x 5/8" (VSI)	C	None		0.0000	174.00	No Ice 0.50 1/2" Ice 1.31 1" Ice 2.14 2" Ice 3.61	0.50 1.31 2.14 3.61	90.00 95.56 106.23 143.49
**								
Platform Mount [LP 716-1]	C	None		0.0000	163.00	No Ice 26.80 1/2" Ice 32.20 1" Ice 37.60 2" Ice 48.40	26.80 32.20 37.60 48.40	1509.44 1811.33 2113.22 2717.00
(2) 8'x2" Antenna Mount Pipe	A	From Centroid-Le g	6.20 0.00 2.00	0.0000	163.00	No Ice 1.90 1/2" Ice 2.73 1" Ice 3.40 2" Ice 4.40	1.90 2.73 3.40 4.40	30.00 44.34 63.96 119.66
(2) 8'x2" Antenna Mount Pipe	B	From Centroid-Le g	6.20 0.00 2.00	0.0000	163.00	No Ice 1.90 1/2" Ice 2.73 1" Ice 3.40 2" Ice 4.40	1.90 2.73 3.40 4.40	30.00 44.34 63.96 119.66
(2) 8'x2" Antenna Mount Pipe	C	From Centroid-Le g	6.20 0.00 2.00	0.0000	163.00	No Ice 1.90 1/2" Ice 2.73 1" Ice 3.40 2" Ice 4.40	1.90 2.73 3.40 4.40	30.00 44.34 63.96 119.66
(3) ACU-A20-N Diplexer	A	From Centroid-Le g	6.20 0.00 2.00	10.0000	163.00	No Ice 0.12 1/2" Ice 0.16 1" Ice 0.21 2" Ice 0.34	0.07 0.10 0.15 0.26	1.04 2.32 4.41 11.80
(3) ACU-A20-N Diplexer	A	From Centroid-Le g	6.20 0.00 2.00	40.0000	163.00	No Ice 0.12 1/2" Ice 0.16 1" Ice 0.21 2" Ice 0.34	0.07 0.10 0.15 0.26	1.04 2.32 4.41 11.80
(3) ACU-A20-N Diplexer	B	From Centroid-Le g	6.20 0.00 2.00	10.0000	163.00	No Ice 0.12 1/2" Ice 0.16 1" Ice 0.21 2" Ice 0.34	0.07 0.10 0.15 0.26	1.04 2.32 4.41 11.80
(3) ACU-A20-N Diplexer	B	From Centroid-Le g	6.20 0.00 2.00	40.0000	163.00	No Ice 0.12 1/2" Ice 0.16 1" Ice 0.21 2" Ice 0.34	0.07 0.10 0.15 0.26	1.04 2.32 4.41 11.80
(3) ACU-A20-N Diplexer	C	From Centroid-Le g	6.20 0.00 2.00	-20.0000	163.00	No Ice 0.12 1/2" Ice 0.16 1" Ice 0.21 2" Ice 0.34	0.07 0.10 0.15 0.26	1.04 2.32 4.41 11.80
(3) ACU-A20-N Diplexer	C	From Centroid-Le g	6.20 0.00 2.00	0.0000	163.00	No Ice 0.12 1/2" Ice 0.16 1" Ice 0.21 2" Ice 0.34	0.07 0.10 0.15 0.26	1.04 2.32 4.41 11.80

tnxTower Vertical Structures, Inc. 309 Spangler Drive, Suite E Richmond, KY 40475 Phone: (859) 624-8360 FAX: (859) 624-8369	Job		Ira Stein Property, KS BU#877796		Page		6 of 15	
	Project		Vertical Structures Job No. 2020-003-053		Date		11:42:21 06/30/20	
	Client		Crown Castle		Designed by		Andrew Mathis	

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA}		Weight	
			Horz	Lateral			Front	Side		
			ft	ft	°	ft	ft ²	ft ²	lb	
(2) RRUS 31 B25 BTS	A	From Centroid-Le g	6.20	0.00	40.0000	163.00	No Ice	1.62	1.28	56.10
			2.00	0.00			1/2" Ice	1.78	1.43	72.19
							1" Ice	1.95	1.58	90.91
							2" Ice	2.31	1.91	137.03
(2) RRUS 31 B25 BTS	B	From Centroid-Le g	6.20	0.00	40.0000	163.00	No Ice	1.62	1.28	56.10
			2.00	0.00			1/2" Ice	1.78	1.43	72.19
							1" Ice	1.95	1.58	90.91
							2" Ice	2.31	1.91	137.03
(2) RRUS 31 B25 BTS	C	From Centroid-Le g	6.20	0.00	0.0000	163.00	No Ice	1.62	1.28	56.10
			2.00	0.00			1/2" Ice	1.78	1.43	72.19
							1" Ice	1.95	1.58	90.91
							2" Ice	2.31	1.91	137.03
RRUS 11 B26A BTS	A	From Centroid-Le g	6.20	0.00	40.0000	163.00	No Ice	2.79	1.19	50.71
			2.00	0.00			1/2" Ice	3.00	1.34	71.58
							1" Ice	3.21	1.50	95.49
							2" Ice	3.67	1.84	153.21
RRUS 11 B26A BTS	B	From Centroid-Le g	6.20	0.00	40.0000	163.00	No Ice	2.79	1.19	50.71
			2.00	0.00			1/2" Ice	3.00	1.34	71.58
							1" Ice	3.21	1.50	95.49
							2" Ice	3.67	1.84	153.21
RRUS 11 B26A BTS	C	From Centroid-Le g	6.20	0.00	0.0000	163.00	No Ice	2.79	1.19	50.71
			2.00	0.00			1/2" Ice	3.00	1.34	71.58
							1" Ice	3.21	1.50	95.49
							2" Ice	3.67	1.84	153.21
(2) APXVSP18-C w/ Mount Pipe	A	From Centroid-Le g	6.20	0.00	40.0000	163.00	No Ice	4.60	4.01	90.09
			1.00	0.00			1/2" Ice	5.05	4.45	154.53
							1" Ice	5.50	4.89	229.77
							2" Ice	6.44	5.82	414.06
(2) APXVSP18-C w/ Mount Pipe	B	From Centroid-Le g	6.20	0.00	40.0000	163.00	No Ice	4.60	4.01	90.09
			1.00	0.00			1/2" Ice	5.05	4.45	154.53
							1" Ice	5.50	4.89	229.77
							2" Ice	6.44	5.82	414.06
(2) APXVSP18-C w/ Mount Pipe	C	From Centroid-Le g	6.20	0.00	0.0000	163.00	No Ice	4.60	4.01	90.09
			1.00	0.00			1/2" Ice	5.05	4.45	154.53
							1" Ice	5.50	4.89	229.77
							2" Ice	6.44	5.82	414.06
AIR 6468 B41 w/ Mount Pipe	A	From Centroid-Le g	6.20	0.00	10.0000	163.00	No Ice	7.68	4.44	162.36
			1.00	0.00			1/2" Ice	8.51	5.51	224.79
							1" Ice	9.26	6.44	293.78
							2" Ice	10.55	7.97	455.41
AIR 6468 B41 w/ Mount Pipe	B	From Centroid-Le g	6.20	0.00	10.0000	163.00	No Ice	7.68	4.44	162.36
			1.00	0.00			1/2" Ice	8.51	5.51	224.79
							1" Ice	9.26	6.44	293.78
							2" Ice	10.55	7.97	455.41
AIR 6468 B41 w/ Mount Pipe	C	From Centroid-Le g	6.20	0.00	-20.0000	163.00	No Ice	7.68	4.44	162.36
			1.00	0.00			1/2" Ice	8.51	5.51	224.79
							1" Ice	9.26	6.44	293.78
							2" Ice	10.55	7.97	455.41
**										
Platform Mount [LP 716-1]	C	None			0.0000	155.00	No Ice	26.80	26.80	1509.44
							1/2" Ice	32.20	32.20	1811.33
							1" Ice	37.60	37.60	2113.22
							2" Ice	48.40	48.40	2717.00
AEHC w/ Mount Pipe	A	From Centroid-Le g	6.20	0.00	0.0000	155.00	No Ice	7.94	4.50	128.40
			2.00	0.00			1/2" Ice	8.79	5.57	193.50
							1" Ice	9.55	6.48	265.18
							2" Ice	10.87	7.99	432.30

tnxTower Vertical Structures, Inc. 309 Spangler Drive, Suite E Richmond, KY 40475 Phone: (859) 624-8360 FAX: (859) 624-8369	Job	Ira Stein Property, KS BU#877796	Page	7 of 15
	Project	Vertical Structures Job No. 2020-003-053	Date	11:42:21 06/30/20
	Client	Crown Castle	Designed by	Andrew Mathis

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA}		Weight	
			Horz	Vert			Front	Side		
			ft	ft	°	ft	ft ²	ft ²	lb	
AEHC w/ Mount Pipe	B	From Centroid-Le g	6.20	0.00	0.0000	155.00	No Ice	7.94	4.50	128.40
			0.00	0.00			1/2" Ice	8.79	5.57	193.50
			2.00	2.00			1" Ice	9.55	6.48	265.18
							2" Ice	10.87	7.99	432.30
							No Ice	7.94	4.50	128.40
AEHC w/ Mount Pipe	C	From Centroid-Le g	6.20	0.00	0.0000	155.00	No Ice	7.94	4.50	128.40
			0.00	0.00			1/2" Ice	8.79	5.57	193.50
			2.00	2.00			1" Ice	9.55	6.48	265.18
							2" Ice	10.87	7.99	432.30
							No Ice	7.97	5.97	79.38
TMBXX-6517-A2M w/ Mount Pipe	A	From Centroid-Le g	6.20	0.00	0.0000	155.00	1/2" Ice	8.73	6.70	142.74
			0.00	0.00			1" Ice	9.50	7.44	217.16
			2.00	2.00			2" Ice	11.10	8.99	400.59
							No Ice	7.97	5.97	79.38
							1/2" Ice	8.73	6.70	142.74
TMBXX-6517-A2M w/ Mount Pipe	B	From Centroid-Le g	6.20	0.00	0.0000	155.00	1" Ice	9.50	7.44	217.16
			0.00	0.00			2" Ice	11.10	8.99	400.59
			2.00	2.00			No Ice	7.97	5.97	79.38
							1/2" Ice	8.73	6.70	142.74
							1" Ice	9.50	7.44	217.16
TMBXX-6517-A2M w/ Mount Pipe	C	From Centroid-Le g	6.20	0.00	0.0000	155.00	2" Ice	11.10	8.99	400.59
			0.00	0.00			No Ice	7.97	5.97	79.38
			2.00	2.00			1/2" Ice	8.73	6.70	142.74
							1" Ice	9.50	7.44	217.16
							2" Ice	11.10	8.99	400.59
FFHH-65C-R3 w/ Mount Pipe	A	From Centroid-Le g	6.20	0.00	0.0000	155.00	No Ice	12.97	6.20	160.51
			0.00	0.00			1/2" Ice	13.62	6.77	295.65
			2.00	2.00			1" Ice	14.27	7.36	445.34
							2" Ice	15.62	8.57	789.74
							No Ice	12.97	6.20	160.51
FFHH-65C-R3 w/ Mount Pipe	B	From Centroid-Le g	6.20	0.00	0.0000	155.00	1/2" Ice	13.62	6.77	295.65
			0.00	0.00			1" Ice	14.27	7.36	445.34
			2.00	2.00			2" Ice	15.62	8.57	789.74
							No Ice	12.97	6.20	160.51
							1/2" Ice	13.62	6.77	295.65
FFHH-65C-R3 w/ Mount Pipe	C	From Centroid-Le g	6.20	0.00	0.0000	155.00	1" Ice	14.27	7.36	445.34
			0.00	0.00			2" Ice	15.62	8.57	789.74
			2.00	2.00			No Ice	12.97	6.20	160.51
							1/2" Ice	13.62	6.77	295.65
							1" Ice	14.27	7.36	445.34
AHFIG BTS	A	From Centroid-Le g	6.20	0.00	0.0000	155.00	2" Ice	15.62	8.57	789.74
			0.00	0.00			No Ice	3.08	1.40	79.40
			2.00	2.00			1/2" Ice	3.31	1.59	100.37
							1" Ice	3.55	1.78	124.55
							2" Ice	4.05	2.17	183.34
AHFIG BTS	B	From Centroid-Le g	6.20	0.00	0.0000	155.00	No Ice	3.08	1.40	79.40
			0.00	0.00			1/2" Ice	3.31	1.59	100.37
			2.00	2.00			1" Ice	3.55	1.78	124.55
							2" Ice	4.05	2.17	183.34
							No Ice	3.08	1.40	79.40
AHFIG BTS	C	From Centroid-Le g	6.20	0.00	0.0000	155.00	1/2" Ice	3.31	1.59	100.37
			0.00	0.00			1" Ice	3.55	1.78	124.55
			2.00	2.00			2" Ice	4.05	2.17	183.34
							No Ice	3.08	1.40	79.40
							1/2" Ice	3.31	1.59	100.37
AHLOA BTS	A	From Centroid-Le g	6.20	0.00	0.0000	155.00	1" Ice	3.55	1.78	124.55
			0.00	0.00			2" Ice	4.05	2.17	183.34
			2.00	2.00			No Ice	2.23	1.39	83.80
							1/2" Ice	2.42	1.55	102.09
							1" Ice	2.62	1.72	123.27
AHLOA BTS	B	From Centroid-Le g	6.20	0.00	0.0000	155.00	2" Ice	3.05	2.08	175.09
			0.00	0.00			No Ice	2.23	1.39	83.80
			2.00	2.00			1/2" Ice	2.42	1.55	102.09
							1" Ice	2.62	1.72	123.27
							2" Ice	3.05	2.08	175.09
AHLOA BTS	C	From Centroid-Le g	6.20	0.00	0.0000	155.00	No Ice	2.23	1.39	83.80
			0.00	0.00			1/2" Ice	2.42	1.55	102.09
			2.00	2.00			1" Ice	2.62	1.72	123.27
							2" Ice	3.05	2.08	175.09
							No Ice	1.87	1.07	23.50
HCS 2.0 Part 1 Junction Box	A	From	6.20	0.0000	155.00	No Ice	1.87	1.07	23.50	

tnxTower Vertical Structures, Inc. 309 Spangler Drive, Suite E Richmond, KY 40475 Phone: (859) 624-8360 FAX: (859) 624-8369	Job	Ira Stein Property, KS BU#877796	Page	8 of 15
	Project	Vertical Structures Job No. 2020-003-053	Date	11:42:21 06/30/20
	Client	Crown Castle	Designed by	Andrew Mathis

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Vert					
			ft	ft	°	ft	ft ²	ft ²	lb
		Centroid-Le	0.00			1/2" Ice	2.04	1.20	39.80
		g	2.00			1" Ice	2.21	1.35	58.76
						2" Ice	2.59	1.66	105.43
ASU9338TYP01 Junction Box	A	From	6.20	0.0000	155.00	No Ice	3.20	1.03	19.00
		Centroid-Le	0.00			1/2" Ice	3.42	1.17	40.36
		g	2.00			1" Ice	3.65	1.32	64.84
						2" Ice	4.13	1.64	123.92
ASU9338TYP01 Junction Box	B	From	6.20	0.0000	155.00	No Ice	3.20	1.03	19.00
		Centroid-Le	0.00			1/2" Ice	3.42	1.17	40.36
		g	2.00			1" Ice	3.65	1.32	64.84
						2" Ice	4.13	1.64	123.92
8'x2" Antenna Mount Pipe	A	From	6.20	0.0000	155.00	No Ice	1.90	1.90	30.00
		Centroid-Le	0.00			1/2" Ice	2.73	2.73	44.34
		g	0.00			1" Ice	3.40	3.40	63.96
						2" Ice	4.40	4.40	119.66
8'x2" Antenna Mount Pipe	B	From	6.20	0.0000	155.00	No Ice	1.90	1.90	30.00
		Centroid-Le	0.00			1/2" Ice	2.73	2.73	44.34
		g	0.00			1" Ice	3.40	3.40	63.96
						2" Ice	4.40	4.40	119.66
8'x2" Antenna Mount Pipe	C	From	6.20	0.0000	155.00	No Ice	1.90	1.90	30.00
		Centroid-Le	0.00			1/2" Ice	2.73	2.73	44.34
		g	0.00			1" Ice	3.40	3.40	63.96
						2" Ice	4.40	4.40	119.66
**									
Platform Mount [LP 716-1]	C	None		0.0000	145.00	No Ice	26.80	26.80	1509.44
						1/2" Ice	32.20	32.20	1811.33
						1" Ice	37.60	37.60	2113.22
						2" Ice	48.40	48.40	2717.00
SitePro1 PRK-SFS Stabilizer Kit (3)	C	None		0.0000	145.00	No Ice	6.38	6.38	588.00
						1/2" Ice	8.48	8.48	766.00
						1" Ice	10.59	10.59	944.00
						2" Ice	14.80	14.80	1300.00
DC6-48-60-18-8C	A	From	6.20	29.0000	145.00	No Ice	2.74	2.74	26.20
		Centroid-Le	0.00			1/2" Ice	2.96	2.96	52.16
		g	0.00			1" Ice	3.20	3.20	81.68
						2" Ice	3.68	3.68	152.16
B66A RRH4x45-4R BTS	A	From	6.20	29.0000	145.00	No Ice	2.54	1.61	56.80
		Centroid-Le	0.00			1/2" Ice	2.75	1.79	76.92
		g	0.00			1" Ice	2.97	1.98	100.15
						2" Ice	3.43	2.37	156.66
B66A RRH4x45-4R BTS	B	From	6.20	29.0000	145.00	No Ice	2.54	1.61	56.80
		Centroid-Le	0.00			1/2" Ice	2.75	1.79	76.92
		g	0.00			1" Ice	2.97	1.98	100.15
						2" Ice	3.43	2.37	156.66
B66A RRH4x45-4R BTS	C	From	6.20	29.0000	145.00	No Ice	2.54	1.61	56.80
		Centroid-Le	0.00			1/2" Ice	2.75	1.79	76.92
		g	0.00			1" Ice	2.97	1.98	100.15
						2" Ice	3.43	2.37	156.66
BSAMNT-SBS-2-2 Mounting Bracket (3)	A	None		0.0000	145.00	No Ice	0.00	0.00	202.20
						1/2" Ice	0.00	0.00	242.50
						1" Ice	0.00	0.00	282.80
						2" Ice	0.00	0.00	363.40
8'x3" Pipe Mount	A	From	6.20	0.0000	145.00	No Ice	2.80	2.80	61.00
		Centroid-Le	0.00			1/2" Ice	3.41	3.41	81.06
		g	0.00			1" Ice	3.89	3.89	106.52
						2" Ice	4.90	4.90	174.24
8'x3" Pipe Mount	B	From	6.20	0.0000	145.00	No Ice	2.80	2.80	61.00

Job	Ira Stein Property, KS BU#877796	Page	9 of 15
Project	Vertical Structures Job No. 2020-003-053	Date	11:42:21 06/30/20
Client	Crown Castle	Designed by	Andrew Mathis

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
			ft	ft	°	ft	ft ²	ft ²	lb
		Centroid-Le	0.00			1/2" Ice	3.41	3.41	81.06
		g	0.00			1" Ice	3.89	3.89	106.52
						2" Ice	4.90	4.90	174.24
8'x3" Pipe Mount	C	From	6.20	0.0000	145.00	No Ice	2.80	2.80	61.00
		Centroid-Le	0.00			1/2" Ice	3.41	3.41	81.06
		g	0.00			1" Ice	3.89	3.89	106.52
						2" Ice	4.90	4.90	174.24
(2) JAH4-65C-R4	A	From	6.20	29.0000	145.00	No Ice	6.46	3.86	87.30
		Centroid-Le	0.00			1/2" Ice	7.00	4.37	163.27
		g	0.00			1" Ice	7.55	4.89	247.08
						2" Ice	8.68	5.97	439.01
(2) JAH4-65C-R4	B	From	6.20	29.0000	145.00	No Ice	6.46	3.86	87.30
		Centroid-Le	0.00			1/2" Ice	7.00	4.37	163.27
		g	0.00			1" Ice	7.55	4.89	247.08
						2" Ice	8.68	5.97	439.01
(2) JAH4-65C-R4	C	From	6.20	29.0000	145.00	No Ice	6.46	3.86	87.30
		Centroid-Le	0.00			1/2" Ice	7.00	4.37	163.27
		g	0.00			1" Ice	7.55	4.89	247.08
						2" Ice	8.68	5.97	439.01
AHLBA BTS	A	From	6.20	29.0000	145.00	No Ice	3.67	2.31	101.40
		Centroid-Le	0.00			1/2" Ice	3.92	2.51	130.93
		g	0.00			1" Ice	4.18	2.73	164.13
						2" Ice	4.71	3.18	242.28
AHLBA BTS	B	From	6.20	29.0000	145.00	No Ice	3.67	2.31	101.40
		Centroid-Le	0.00			1/2" Ice	3.92	2.51	130.93
		g	0.00			1" Ice	4.18	2.73	164.13
						2" Ice	4.71	3.18	242.28
AHLBA BTS	C	From	6.20	29.0000	145.00	No Ice	3.67	2.31	101.40
		Centroid-Le	0.00			1/2" Ice	3.92	2.51	130.93
		g	0.00			1" Ice	4.18	2.73	164.13
						2" Ice	4.71	3.18	242.28
B25 RRH4x30-4R BTS	A	From	6.20	29.0000	145.00	No Ice	2.14	1.31	51.00
		Centroid-Le	0.00			1/2" Ice	2.33	1.46	68.46
		g	0.00			1" Ice	2.53	1.63	88.75
						2" Ice	2.94	1.98	138.59
B25 RRH4x30-4R BTS	B	From	6.20	29.0000	145.00	No Ice	2.14	1.31	51.00
		Centroid-Le	0.00			1/2" Ice	2.33	1.46	68.46
		g	0.00			1" Ice	2.53	1.63	88.75
						2" Ice	2.94	1.98	138.59
B25 RRH4x30-4R BTS	C	From	6.20	29.0000	145.00	No Ice	2.14	1.31	51.00
		Centroid-Le	0.00			1/2" Ice	2.33	1.46	68.46
		g	0.00			1" Ice	2.53	1.63	88.75
						2" Ice	2.94	1.98	138.59
TPA65R-BU8D w/ Mount Pipe	A	From	6.20	29.0000	145.00	No Ice	15.94	7.91	120.41
		Centroid-Le	0.00			1/2" Ice	16.87	8.76	235.35
		g	0.00			1" Ice	17.82	9.63	364.46
						2" Ice	19.76	11.40	666.60
TPA65R-BU8D w/ Mount Pipe	B	From	6.20	29.0000	145.00	No Ice	15.94	7.91	120.41
		Centroid-Le	0.00			1/2" Ice	16.87	8.76	235.35
		g	0.00			1" Ice	17.82	9.63	364.46
						2" Ice	19.76	11.40	666.60
TPA65R-BU8D w/ Mount Pipe	C	From	6.20	29.0000	145.00	No Ice	15.94	7.91	120.41
		Centroid-Le	0.00			1/2" Ice	16.87	8.76	235.35
		g	0.00			1" Ice	17.82	9.63	364.46
						2" Ice	19.76	11.40	666.60
E15Z01P13 TMA	A	From	6.20	29.0000	145.00	No Ice	0.78	0.60	24.00
		Centroid-Le	0.00			1/2" Ice	0.90	0.70	31.50

tnxTower Vertical Structures, Inc. 309 Spangler Drive, Suite E Richmond, KY 40475 Phone: (859) 624-8360 FAX: (859) 624-8369	Job		Ira Stein Property, KS BU#877796		Page		10 of 15	
	Project		Vertical Structures Job No. 2020-003-053		Date		11:42:21 06/30/20	
	Client		Crown Castle		Designed by		Andrew Mathis	

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
		g	0.00			1" Ice	1.02	0.82	40.86
						2" Ice	1.29	1.07	65.94
E15Z01P13 TMA	B	From Centroid-Le g	6.20 0.00 0.00	29.0000	145.00	No Ice	0.78	0.60	24.00
						1/2" Ice	0.90	0.70	31.50
						1" Ice	1.02	0.82	40.86
						2" Ice	1.29	1.07	65.94
E15Z01P13 TMA	C	From Centroid-Le g	6.20 0.00 0.00	29.0000	145.00	No Ice	0.78	0.60	24.00
						1/2" Ice	0.90	0.70	31.50
						1" Ice	1.02	0.82	40.86
						2" Ice	1.29	1.07	65.94
AHBCB BTS	A	From Centroid-Le g	6.20 0.00 0.00	29.0000	145.00	No Ice	2.23	1.39	85.98
						1/2" Ice	2.42	1.55	104.27
						1" Ice	2.62	1.72	125.45
						2" Ice	3.05	2.08	177.27
AHBCB BTS	B	From Centroid-Le g	6.20 0.00 0.00	29.0000	145.00	No Ice	2.23	1.39	85.98
						1/2" Ice	2.42	1.55	104.27
						1" Ice	2.62	1.72	125.45
						2" Ice	3.05	2.08	177.27
AHBCB BTS	C	From Centroid-Le g	6.20 0.00 0.00	29.0000	145.00	No Ice	2.23	1.39	85.98
						1/2" Ice	2.42	1.55	104.27
						1" Ice	2.62	1.72	125.45
						2" Ice	3.05	2.08	177.27
(2) 8'x2" Antenna Mount Pipe	A	From Centroid-Le g	6.20 0.00 0.00	0.0000	145.00	No Ice	1.90	1.90	30.00
						1/2" Ice	2.73	2.73	44.34
						1" Ice	3.40	3.40	63.96
						2" Ice	4.40	4.40	119.66
(2) 8'x2" Antenna Mount Pipe	B	From Centroid-Le g	6.20 0.00 0.00	0.0000	145.00	No Ice	1.90	1.90	30.00
						1/2" Ice	2.73	2.73	44.34
						1" Ice	3.40	3.40	63.96
						2" Ice	4.40	4.40	119.66
(2) 8'x2" Antenna Mount Pipe	C	From Centroid-Le g	6.20 0.00 0.00	0.0000	145.00	No Ice	1.90	1.90	30.00
						1/2" Ice	2.73	2.73	44.34
						1" Ice	3.40	3.40	63.96
						2" Ice	4.40	4.40	119.66
**									
Platform Mount [LP 716-1]	C	None		0.0000	135.00	No Ice	26.80	26.80	1509.44
						1/2" Ice	32.20	32.20	1811.33
						1" Ice	37.60	37.60	2113.22
						2" Ice	48.40	48.40	2717.00
(2) SBNHH-1D65C w/ Mount Pipe	A	From Centroid-Le g	6.20 0.00 0.00	29.0000	135.00	No Ice	5.56	4.47	82.69
						1/2" Ice	6.07	4.97	164.73
						1" Ice	6.59	5.48	260.38
						2" Ice	7.66	6.52	493.89
(2) SBNHH-1D65C w/ Mount Pipe	B	From Centroid-Le g	6.20 0.00 0.00	29.0000	135.00	No Ice	5.56	4.47	82.69
						1/2" Ice	6.07	4.97	164.73
						1" Ice	6.59	5.48	260.38
						2" Ice	7.66	6.52	493.89
(2) SBNHH-1D65C w/ Mount Pipe	C	From Centroid-Le g	6.20 0.00 0.00	29.0000	135.00	No Ice	5.56	4.47	82.69
						1/2" Ice	6.07	4.97	164.73
						1" Ice	6.59	5.48	260.38
						2" Ice	7.66	6.52	493.89
(2) E15Z01P13 TMA	A	From Centroid-Le g	6.20 0.00 0.00	29.0000	135.00	No Ice	0.78	0.60	24.00
						1/2" Ice	0.90	0.70	31.50
						1" Ice	1.02	0.82	40.86
						2" Ice	1.29	1.07	65.94
(2) E15Z01P13 TMA	B	From Centroid-Le	6.20 0.00	29.0000	135.00	No Ice	0.78	0.60	24.00
						1/2" Ice	0.90	0.70	31.50

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	Client	Crown Castle	Designed by	Andrew Mathis

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
			ft	ft	°	ft	ft ²	ft ²	lb
		g	0.00			1" Ice	1.02	0.82	40.86
						2" Ice	1.29	1.07	65.94
(2) E15Z01P13 TMA	C	From Centroid-Le g	6.20 0.00 0.00		29.0000	135.00	No Ice 1/2" Ice 1" Ice	0.78 0.90 1.02	24.00 31.50 40.86
							2" Ice	1.07	65.94
RRH4x25-WCS	A	From Centroid-Le g	6.20 0.00 0.00		29.0000	135.00	No Ice 1/2" Ice 1" Ice	3.84 4.09 4.36	91.00 125.34 163.70
							2" Ice	4.38	253.31
RRH4x25-WCS	B	From Centroid-Le g	6.20 0.00 0.00		29.0000	135.00	No Ice 1/2" Ice 1" Ice	3.84 4.09 4.36	91.00 125.34 163.70
							2" Ice	4.38	253.31
RRH4x25-WCS	C	From Centroid-Le g	6.20 0.00 0.00		29.0000	135.00	No Ice 1/2" Ice 1" Ice	3.84 4.09 4.36	91.00 125.34 163.70
							2" Ice	4.38	253.31
DC6-48-60-18-8F (31.25x11x11 32.8lbs)	C	From Centroid-Le g	6.20 0.00 0.00		29.0000	135.00	No Ice 1/2" Ice 1" Ice	2.90 3.13 3.37	32.80 60.76 92.36
							2" Ice	3.86	167.29
(2) 8'x2" Antenna Mount Pipe	A	From Centroid-Le g	6.20 0.00 0.00		0.0000	135.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	30.00 44.34 63.96
							2" Ice	4.40	119.66
(2) 8'x2" Antenna Mount Pipe	B	From Centroid-Le g	6.20 0.00 0.00		0.0000	135.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	30.00 44.34 63.96
							2" Ice	4.40	119.66
(2) 8'x2" Antenna Mount Pipe	C	From Centroid-Le g	6.20 0.00 0.00		0.0000	135.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	30.00 44.34 63.96
							2" Ice	4.40	119.66
**									
Platform Mount [LP 716-1]	C	None			0.0000	125.00	No Ice 1/2" Ice 1" Ice	26.80 32.20 37.60	1509.44 1811.33 2113.22
							2" Ice	48.40	2717.00
(2) LNX-6515DS-A1M w/ Mount Pipe	A	From Centroid-Le g	6.20 0.00 0.00		0.0000	125.00	No Ice 1/2" Ice 1" Ice	5.31 5.80 6.30	83.39 165.43 261.08
							2" Ice	7.33	494.59
(2) LNX-6515DS-A1M w/ Mount Pipe	B	From Centroid-Le g	6.20 0.00 0.00		0.0000	125.00	No Ice 1/2" Ice 1" Ice	5.31 5.80 6.30	83.39 165.43 261.08
							2" Ice	7.33	494.59
(2) LNX-6515DS-A1M w/ Mount Pipe	C	From Centroid-Le g	6.20 0.00 0.00		0.0000	125.00	No Ice 1/2" Ice 1" Ice	5.31 5.80 6.30	83.39 165.43 261.08
							2" Ice	7.33	494.59
CBC78-DF-2X Diplexer	A	From Centroid-Le g	6.20 0.00 0.00		0.0000	125.00	No Ice 1/2" Ice 1" Ice	0.39 0.47 0.56	13.80 18.52 24.71
							2" Ice	0.75	42.22
CBC78-DF-2X Diplexer	B	From Centroid-Le	6.20 0.00		0.0000	125.00	No Ice 1/2" Ice	0.39 0.47	13.80 18.52

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	Client	Crown Castle	Designed by	Andrew Mathis

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
			ft	ft	°	ft	ft ²	ft ²	lb
		g	0.00			1" Ice	0.56	0.54	24.71
						2" Ice	0.75	0.74	42.22
CBC78-DF-2X Diplexer	C	From Centroid-Le g	6.20 0.00 0.00		0.0000	125.00	No Ice 1/2" Ice 1" Ice	0.39 0.47 0.54	13.80 18.52 24.71
							2" Ice	0.74	42.22
RRUS11 B2/RRUS A2 BTS	A	From Centroid-Le g	6.20 0.00 0.00		0.0000	125.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	50.70 71.57 95.49
							2" Ice	3.71	153.24
RRUS11 B2/RRUS A2 BTS	B	From Centroid-Le g	6.20 0.00 0.00		0.0000	125.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	50.70 71.57 95.49
							2" Ice	3.71	153.24
RRUS11 B2/RRUS A2 BTS	C	From Centroid-Le g	6.20 0.00 0.00		0.0000	125.00	No Ice 1/2" Ice 1" Ice	2.83 3.04 3.26	50.70 71.57 95.49
							2" Ice	3.71	153.24
RRFDC-3315-PF-48 (28.93x15.73x10.31)	A	From Centroid-Le g	6.20 0.00 0.00		0.0000	125.00	No Ice 1/2" Ice 1" Ice	3.79 4.04 4.30	32.00 63.48 98.72
							2" Ice	4.84	181.25
(2) 8'x2" Antenna Mount Pipe	A	From Centroid-Le g	6.20 0.00 0.00		0.0000	125.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	30.00 44.34 63.96
							2" Ice	4.40	119.66
(2) 8'x2" Antenna Mount Pipe	B	From Centroid-Le g	6.20 0.00 0.00		0.0000	125.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	30.00 44.34 63.96
							2" Ice	4.40	119.66
(2) 8'x2" Antenna Mount Pipe	C	From Centroid-Le g	6.20 0.00 0.00		0.0000	125.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	30.00 44.34 63.96
							2" Ice	4.40	119.66
**									
Platform Mount [LP 716-1]	C	None			0.0000	115.00	No Ice 1/2" Ice 1" Ice	26.80 32.20 37.60	1509.44 1811.33 2113.22
							2" Ice	48.40	2717.00
Air 32 w/ Mount Pipe	A	From Centroid-Le g	6.20 0.00 1.00		0.0000	115.00	No Ice 1/2" Ice 1" Ice	6.04 6.47 6.90	128.58 185.00 248.04
							2" Ice	7.78	397.02
Air 32 w/ Mount Pipe	B	From Centroid-Le g	6.20 0.00 1.00		0.0000	115.00	No Ice 1/2" Ice 1" Ice	6.04 6.47 6.90	128.58 185.00 248.04
							2" Ice	7.78	397.02
Air 32 w/ Mount Pipe	C	From Centroid-Le g	6.20 0.00 1.00		0.0000	115.00	No Ice 1/2" Ice 1" Ice	6.04 6.47 6.90	128.58 185.00 248.04
							2" Ice	7.78	397.02
800 10510V01 w/ Mount Pipe	A	From Centroid-Le g	6.20 0.00 1.00		0.0000	115.00	No Ice 1/2" Ice 1" Ice	6.02 6.59 7.18	69.62 110.47 159.85
							2" Ice	8.41	285.60
800 10510V01 w/ Mount Pipe	B	From Centroid-Le	6.20 0.00		0.0000	115.00	No Ice 1/2" Ice	6.02 6.59	69.62 110.47

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	Client Crown Castle	Designed by Andrew Mathis

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
			ft	ft	°	ft	ft ²	ft ²	lb
		g	1.00			1" Ice	7.18	3.62	159.85
						2" Ice	8.41	4.72	285.60
800 10510V01 w/ Mount Pipe	C	From Centroid-Le g	6.20 0.00 1.00	0.0000	115.00	No Ice	6.02	2.59	69.62
						1/2" Ice	6.59	3.10	110.47
						1" Ice	7.18	3.62	159.85
						2" Ice	8.41	4.72	285.60
TMA-S-DB1921-DD-A TMA	A	From Centroid-Le g	6.20 0.00 1.00	0.0000	115.00	No Ice	0.72	0.39	22.00
						1/2" Ice	0.82	0.48	28.41
						1" Ice	0.94	0.57	36.52
						2" Ice	1.19	0.78	58.64
TMA-S-DB1921-DD-A TMA	B	From Centroid-Le g	6.20 0.00 1.00	0.0000	115.00	No Ice	0.72	0.39	22.00
						1/2" Ice	0.82	0.48	28.41
						1" Ice	0.94	0.57	36.52
						2" Ice	1.19	0.78	58.64
TMA-S-DB1921-DD-A TMA	C	From Centroid-Le g	6.20 0.00 1.00	0.0000	115.00	No Ice	0.72	0.39	22.00
						1/2" Ice	0.82	0.48	28.41
						1" Ice	0.94	0.57	36.52
						2" Ice	1.19	0.78	58.64
RRFDC-3315-PF-48 (28.93x15.73x10.31)	A	From Centroid-Le g	6.20 0.00 1.00	0.0000	115.00	No Ice	3.79	2.51	32.00
						1/2" Ice	4.04	2.73	63.48
						1" Ice	4.30	2.95	98.72
						2" Ice	4.84	3.42	181.25
(2) 8'x2" Antenna Mount Pipe	A	From Centroid-Le g	6.20 0.00 1.00	0.0000	115.00	No Ice	1.90	1.90	30.00
						1/2" Ice	2.73	2.73	44.34
						1" Ice	3.40	3.40	63.96
						2" Ice	4.40	4.40	119.66
(2) 8'x2" Antenna Mount Pipe	B	From Centroid-Le g	6.20 0.00 1.00	0.0000	115.00	No Ice	1.90	1.90	30.00
						1/2" Ice	2.73	2.73	44.34
						1" Ice	3.40	3.40	63.96
						2" Ice	4.40	4.40	119.66
(2) 8'x2" Antenna Mount Pipe	C	From Centroid-Le g	6.20 0.00 1.00	0.0000	115.00	No Ice	1.90	1.90	30.00
						1/2" Ice	2.73	2.73	44.34
						1" Ice	3.40	3.40	63.96
						2" Ice	4.40	4.40	119.66

Compression Checks

Pole Design Data

Section No.	Elevation	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio P _u / φP _n
	ft		ft	ft		in ²	lb	lb	
L1	169.663 - 117.681 (1)	TP29.6996x18x0.25	51.98	0.00	0.0	22.9435	-20735.00	1342200.00	0.015
L2	117.681 - 74.1134 (2)	TP38.8186x28.2513x0.375	47.78	0.00	0.0	44.9915	-33298.90	2632000.00	0.013
L3	74.1134 - 34.616 (3)	TP46.7708x36.885x0.4375	44.85	0.00	0.0	63.3013	-46201.30	3703130.00	0.012

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
L4	34.616 - 0 (4)	TP53.5x44.4969x0.4688	40.96	0.00	0.0	80.0440	-63029.10	4682580.00	0.013

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} lb-ft	φM _{ux} lb-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M _{uy} lb-ft	φM _{uy} lb-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
L1	169.663 - 117.681 (1)	TP29.6996x18x0.25	670165.00	869266.67	0.771	0.00	869266.67	0.000
L2	117.681 - 74.1134 (2)	TP38.8186x28.2513x0.375	2022450.00	2356883.33	0.858	0.00	2356883.33	0.000
L3	74.1134 - 34.616 (3)	TP46.7708x36.885x0.4375	3423691.67	3949416.67	0.867	0.00	3949416.67	0.000
L4	34.616 - 0 (4)	TP53.5x44.4969x0.4688	5062275.00	5662150.00	0.894	0.00	5662150.00	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V _u lb	φV _n lb	Ratio $\frac{V_u}{\phi V_n}$	Actual T _u lb-ft	φT _n lb-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	169.663 - 117.681 (1)	TP29.6996x18x0.25	27144.50	402659.00	0.067	1411.45	1009491.67	0.001
L2	117.681 - 74.1134 (2)	TP38.8186x28.2513x0.375	34417.40	789601.00	0.044	497.65	2587916.67	0.000
L3	74.1134 - 34.616 (3)	TP46.7708x36.885x0.4375	38242.50	1110940.00	0.034	495.22	4391058.33	0.000
L4	34.616 - 0 (4)	TP53.5x44.4969x0.4688	41486.60	1404770.00	0.030	494.43	6552966.67	0.000

Pole Interaction Design Data

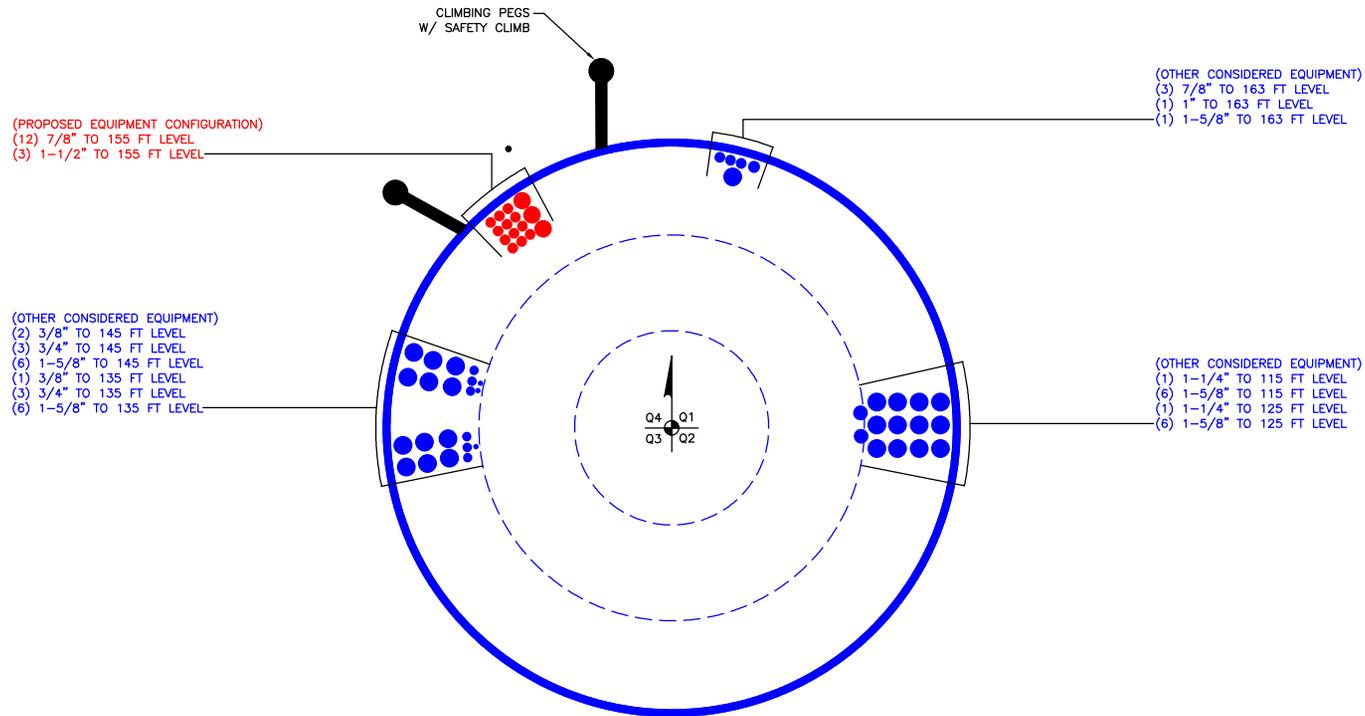
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	Ratio $\frac{M_{uy}}{\phi M_{uy}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	169.663 - 117.681 (1)	0.015	0.771	0.000	0.067	0.001	0.791	1.050	4.8.2
L2	117.681 - 74.1134 (2)	0.013	0.858	0.000	0.044	0.000	0.873	1.050	4.8.2
L3	74.1134 - 34.616 (3)	0.012	0.867	0.000	0.034	0.000	0.881	1.050	4.8.2
L4	34.616 - 0 (4)	0.013	0.894	0.000	0.030	0.000	0.908	1.050	4.8.2

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Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail	
L1	169.663 - 117.681	Pole	TP29.6996x18x0.25	1	-20735.00	1409309.94	75.3	Pass	
L2	117.681 - 74.1134	Pole	TP38.8186x28.2513x0.375	2	-33298.90	2763599.87	83.1	Pass	
L3	74.1134 - 34.616	Pole	TP46.7708x36.885x0.4375	3	-46201.30	3888286.32	83.9	Pass	
L4	34.616 - 0	Pole	TP53.5x44.4969x0.4688	4	-63029.10	4916708.78	86.5	Pass	
							Summary		
							Pole (L4)	86.5	Pass
							RATING =	86.5	Pass

APPENDIX B
BASE LEVEL DRAWING



APPENDIX C
ADDITIONAL CALCULATIONS

Monopole Base Plate Connection

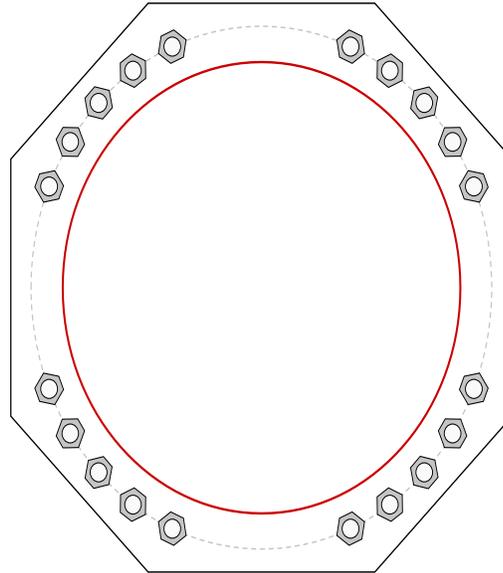


Site Info	
BU #	877796
Site Name	Ira Stein Property, KS
Order #	525482, Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	0.75

Applied Loads	
Moment (kip-ft)	5062.27
Axial Force (kips)	63.06
Shear Force (kips)	41.44

*TIA-222-H Section 15.5 Applied



Connection Properties	Analysis Results
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Anchor Rod Data
(20) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 62" BC <i>Anchor Spacing: 6 in</i>
Base Plate Data
67.5" OD x 2.5" Plate (A871-60; $F_y=60$ ksi, $F_u=75$ ksi)
Stiffener Data
N/A
Pole Data
53.5" x 0.46875" 12-sided pole (A572-65; $F_y=65$ ksi, $F_u=80$ ksi)

Anchor Rod Summary		<i>(units of kips, kip-in)</i>	
$Pu_c = 199.01$	$\phi Pn_c = 268.39$		Stress Rating
$Vu = 2.07$	$\phi Vn = 120.77$		70.6%
$Mu = n/a$	$\phi Mn = n/a$		Pass
Base Plate Summary			
Max Stress (ksi):	45.73		(Flexural)
Allowable Stress (ksi):	54		
Stress Rating:	80.7%		Pass

Drilled Pier Foundation



BU #: 877796
 Site Name: Ira Stein Property, KS
 Order Number: 525482, Rev. 0

TIA-222 Revision: H
 Tower Type: Monopole

Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	5062.274	
Axial Force (kips)	63.062	
Shear Force (kips)	41.436	

Material Properties		
Concrete Strength, f _c :	4	ksi
Rebar Strength, F _y :	60	ksi

Pier Design Data		
Depth	36	ft
Ext. Above Grade	1	ft
Pier Section 1		
<i>From 1' above grade to 23.4' below grade</i>		
Pier Diameter	7	ft
Rebar Quantity	21	
Rebar Size	11	
Clear Cover to Ties	3	in
Tie Size	5	
Rebar Quantity	6	
Rebar Size	11	
Rebar Cage Diameter	70.25	in
Pier Section 2		
<i>From 23.4' below grade to 36' below grade</i>		
Pier Diameter	7	ft
Rebar Quantity	21	
Rebar Size	11	
Clear Cover to Ties	3	in
Tie Size	5	

Rebar & Pier Options
 Embedded Pole Inputs
 Belled Pier Inputs

Analysis Results		
Soil Lateral Check		
	Compression	Uplift
D _{v=0} (ft from TOC)	9.95	-
Soil Safety Factor	18.82	-
Max Moment (kip-ft)	5440.78	-
Rating*	6.7%	-
Soil Vertical Check		
	Compression	Uplift
Skin Friction (kips)	2078.16	-
End Bearing (kips)	288.63	-
Weight of Concrete (kips)	256.31	-
Total Capacity (kips)	2366.80	-
Axial (kips)	319.37	-
Rating*	12.9%	-
Reinforced Concrete Check		
	Compression	Uplift
Critical Depth (ft from TOC)	10.25	-
Critical Moment (kip-ft)	5439.48	-
Critical Moment Capacity	6755.20	-
Rating*	76.7%	-
Soil Interaction Rating*		12.9%
Structural Foundation Rating*		76.7%

Check Limitation	
Apply TIA-222-H Section 15.5:	<input checked="" type="checkbox"/>
N/A	<input type="checkbox"/>

*Rating per TIA-222-H Section 15.5

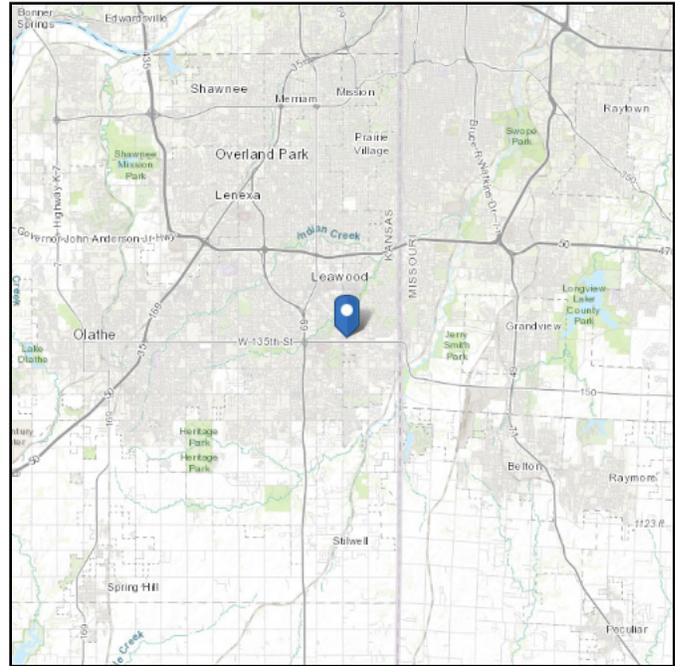
Soil Profile														
Groundwater Depth		N/A			# of Layers		4							
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ _{soil} (pcf)	γ _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3.5	3.5	121	150			0.000	0.000	0.00	0.00			Cohesionless
2	3.5	6.5	3	121	150	1.025		0.564	0.564	0.00	0.00			Cohesive
3	6.5	8	1.5	109	150	0.825		0.454	0.454	0.00	0.00			Cohesive
4	8	36	28	140	150	10		4.500	4.500			10		Cohesive

ASCE 7 Hazards Report

Address:
No Address at This
Location

Standard: ASCE/SEI 7-10
Risk Category: II
Soil Class: B - Rock

Elevation: 971.36 ft (NAVD 88)
Latitude: 38.885778
Longitude: -94.6465



Wind

Results:

Wind Speed:	115 Vmph
10-year MRI	76 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	96 Vmph

Data Source: ASCE/SEI 7-10, Fig. 26.5-1A and Figs. CC-1–CC-4, incorporating errata of March 12, 2014

Date Accessed: Mon Jun 29 2020

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-10 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is not in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2.

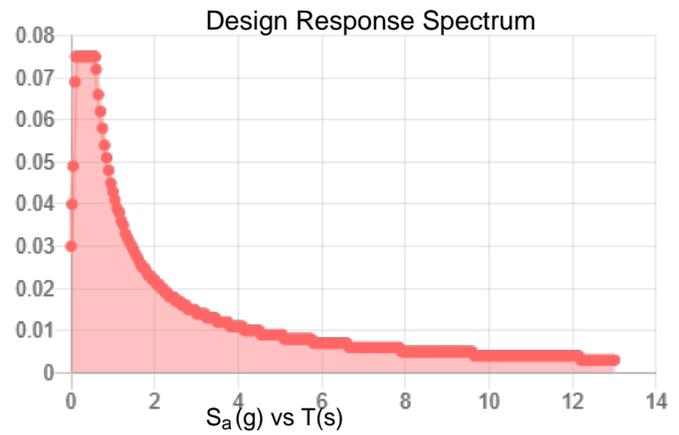
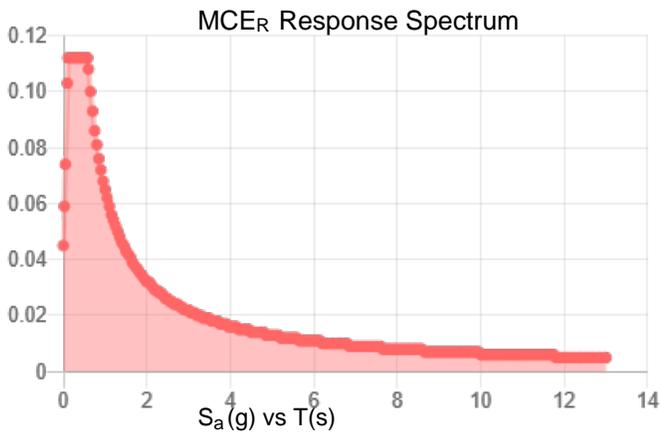
Mountainous terrain, gorges, ocean promontories, and special wind regions should be examined for unusual wind conditions.

Site Soil Class: B - Rock

Results:

S_S :	0.112	S_{DS} :	0.075
S_1 :	0.065	S_{D1} :	0.043
F_a :	1	T_L :	12
F_v :	1	PGA :	0.054
S_{MS} :	0.112	PGA _M :	0.054
S_{M1} :	0.065	F_{PGA} :	1
		I_e :	1

Seismic Design Category A



Data Accessed:

Mon Jun 29 2020

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-10, incorporating Supplement 1 and errata of March 31, 2013, and ASCE/SEI 7-10 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-10 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness: 1.00 in.

Concurrent Temperature: 5 F

Gust Speed: 40 mph

Data Source: Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8

Date Accessed: Mon Jun 29 2020

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 50-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE 7 Hazard Tool.

RESOLUTION NO. _____

RESOLUTION APPROVING AN ELIGIBLE FACILITIES REQUEST FOR THE REPLACEMENT AND ADDITION OF GROUND LEVEL EQUIPMENT AT THE IRA STEIN CELL TOWER FOR T-MOBILE, LOCATED NORTH OF 135TH STREET AND EAST OF NALL AVENUE (PC CASE 76-20)

WHEREAS, T-Mobile desires to replace antennae and to replace and add associated equipment on an existing wireless facility;

WHEREAS, the continuing use of this equipment will not constitute a “substantial change” as that term is defined in Section 6409(a) of the Middle Class Tax Relief and Job Creation Act of 2012 or as defined in Section 16-4-12.3A of the Leawood Development Ordinance; and

WHEREAS, T-Mobile has submitted the required application with the required information.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF THE CITY OF LEAWOOD, KANSAS:

SECTION ONE: The Governing Body hereby approves T-Mobile’s eligible facilities request to modify equipment at the Ira Stein Cell Tower for T-Mobile, located north of 135th Street and East of Nall Avenue, per the application submitted to the City on July 24, 2020.

SECTION TWO: This resolution shall become effective upon passage.

PASSED by the Governing Body this 17th day of August, 2020.

APPROVED by the Mayor this 17th day of August, 2020.

Peggy J. Dunn, Mayor

[SEAL]

ATTEST:

Kelly L. Varner, City Clerk

APPROVED AS TO FORM:

Marcia L. Knight, Assistant City Attorney



Memorandum

**TO: Peggy Dunn, Mayor
City Councilmembers**

CC: Scott Lambers, City Administrator

FROM: Colin Fitzgerald, Fire Chief

DATE: 17 August 2020

SUBJECT: Fire Department SCBA Cylinder Purchase

The Fire Department is seeking approval for the purchase of 15 replacement SCBA (self-contained breathing apparatus) air cylinders. This purchase is to replace existing inventory where the cylinders reached the end of their acceptable service life. Air cylinders for SCBA packs are critical life-safety equipment for firefighters and are subject to stringent pressure testing and service life requirements. The Fire Department has a total inventory of 77 cylinders.

Three quotes were solicited from existing fire supply vendors, with two received:

- Feld Fire bid: \$16,500.00.
- Wise Safety bid: \$18,864.15.
- MES Fire did not return a bid.

The purchase is budgeted for 2020 and will come from Line 22000.22530.713000. Staff recommends approval of the Feld Fire bid of \$16,500 as low bid.



Date: July 28, 2020
 Quote #: Austin Berry
 Customer ID: 1243960

To: ATT: Austin Berry
 Leawood Fire Department
 4800 Town Center Drive
 Leawood, KS 66209
 913-681-6788

Ship to:

Salesperson	Job	Shipping Method	Shipping Terms	Delivery Date	Payment Term	Due Date
G. Pollberg		Best Way	Carroll, IA		Net 30 Days	

Qty	Item #	Description	Unit Price	Discount	Line Total
15.00	804722-01	SCOTT - 4500 / 45 Min. Carbon Cyinder With Valve & FD Logo	1,100.00		\$ 16,500.00

Shipping Included

Pricing Good Until January 29, 2021

Subtotal \$	16,500.00
Sales Tax	
Total \$	16,500.00

Make all checks payable to Ed.M. Feld Equipment Co., Inc.

Thank you for your business!

113 N. Griffin Rd. Carroll, IA 51401 800.568.2403 712.792.6658 sales@feldfire.com



Family of Companies



www.wisesafetyenv.com

QUOTE

Rob Motsinger

16210 West 110th Street
Lenexa, Kansas 66219

Cell: 816-678-4078
Toll Free: 800-255-1101
Office: 913-492-9444

r.motsinger@wisesafetyenv.com

COMPANY City of Leawood Fire

NAME Austin Berry

ADDRESS: _____

CITY/STATE/ZIP _____

PHONE/CELL _____

EMAIL austinb@leawood.org

SHIP TO-COMPANY _____

ATTENTION: _____

ADDRESS _____

CITY/STATE/ZIP _____

DATE 7/23/2020

CONTACT PERSON Rob Motsinger

PHONE _____

EMAIL r.motsinger@wisesafetyenv.com

ACCOUNT NO. _____

PO NO. _____

QUOTE NO. _____

LEAD TIME _____

Item Number	Qty.	Description	U/M	Sell Price	TOTAL
804722-01	15	Scott 45 minute carbon cylinder with logo	EA	1,257.61	18,864.15
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
SPECIAL INSTRUCTIONS: _____				Freight	
_____				Subtotal	18,864.15
_____				Sales Tax Rate (5 decimal places*)	0.00000%
_____				Sales Tax	0.00
PLEASE NOTE: Quote is good for 30 days, after that please call to verify pricing.				TOTAL	18,864.15

* Example: 6.125% = .06125



Memorandum

TO: Peggy Dunn, Mayor
City Councilmembers

CC: Scott Lambers, City Administrator

FROM: Colin Fitzgerald, Fire Chief

DATE: 17 August 2020

SUBJECT: Fire Department Fire Hose Purchase

The Fire Department is seeking approval for the purchase of fire hose. This purchase will include replacement hose for existing apparatus where the hose has reached the end of its acceptable service life. It will also include hose for installation on the new Pierce Quint fire truck which is expected in mid-August.

Three quotes were solicited from existing fire supply vendors, with two received:

- Conrad Fire Equipment bid: \$26,272.
- Niedner bid: \$28,409.
- Feld Fire did not return a bid.

The purchase is budgeted for 2020 and will come from Line 22000.22530.713000. Staff recommends approval of the Conrad Fire Equipment bid of \$26,272 as low bid.

CONRAD FIRE EQUIPMENT, INC.

887 N. Jan-Mar Court Olathe, KS 66061
 www.CONRADFIRE.com
 (913) 780-5521
 (913) 780-5251 Fax

QUOTATION 139324

CUSTOMER NO.
1424

BILL TO:

SHIP TO:

LEAWOOD FIRE DEPT
 4800 TOWN CENTER DRIVE
 ATTN: ACCOUNTS PAYABLE
 LEAWOOD, KS 66211

LEAWOOD FIRE DEPT
 14801 MISSION ROAD
 LEAWOOD, KS 66224

PHONE: 913/681-6788
 FAX: 913/681-2399

PAGE 1

DATE	SHIP VIA	F.O.B.	TERMS			
07/16/20	GROUND		NET 30 DAYS			
PURCHASE ORDER NUMBER	ORDER DATE	SALESPERSON	OUR QUOTE NUMBER			
NIEDNER HOSE	07/16/20	199 164	139324			
QUANTITY	ITEM NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT		
ORDERED	SHIPPED					
44		NIL.F4517E04CRABXXS 1.75" X 50' RXL800 GREEN	204.80	9,011.20		
10		NIL.F4517E13CRABXXS 1.75X50' YELLOW RXL-800 NST	174.83	1,748.30		
6		NIL.F4525E01CRABXXS 2.5" X 50' RXL800 CLEAR/WHITE	279.72	1,678.32		
6		NIL.F4530E13CRABXXS 3" X 50' RXL800 YELLOW	352.43	2,114.58		
10		NIL.F5050E13ASDOLKS 5"X100'YEL SUPPLYLINE W/5"STZ	979.02	9,790.20		
1		NIL.F5050E13CSDOLKS 5"X50' YEL SUPPLY 5" STORZ	621.60	621.60		
1		NIL.F5050E13F25SDOLK 5" X 25', STORZ, YELLOW	469.53	469.53		
3		NIL.F4525E07CRABXXS 2.5" X 50' RXL800 ORANGE	279.72	839.16		
<p>***THE QUOTED HOSE VALUE IS LARGE ENOUGH TO MEET THE FREE SHIPPING AMOUNT FROM NIEDNER.***</p> <p>PRICING IS BASED ON 2020 NIEDNER PRICE SHEET THAT IS GOOD THRU DECEMBER 31ST 2020.</p>						
Product Total	Discount	Freight	Taxable Amount	Tax	Misc. Amt.	QUOTATION TOTAL
26,272.89	0.00		26,272.89	0.00		26,272.89

"WE APPRECIATE YOUR BUSINESS"

RETURNED GOODS WILL NOT BE ACCEPTED WITHOUT PRIOR RETURN AUTHORIZATION NUMBER FROM CONRAD FIRE EQUIPMENT. ALL RETURNS ARE SUBJECT TO A RESTOCKING FEE.



Please refer to quotation number below for any order or correspondence pertaining to this quote

Quotation no:

20-0109

Page 1 of 1

PROCURER:	Leawood Fire Department Leawood, KS	QUOTED BY:	Chantal Dubé
ATTENTION:	Captain Darren Riley	CONTACT INFORMATION:	Tel: 913 266 0610 Email: darrenr@leawood.org

Estimated ship date	SHIPPING TERMS	TERMS:
Currently shipping 5 to 7 weeks after receipt of payment Subject to change without notice	Prepaid freight for orders of \$15,000 or more	Wire transfer of complete amount ordered (and freight if applicable) prior to order process. Any charges for wire transfer is paid by procurer.

Product code	Description	Quantity	Price USD each	TOTAL USD
--------------	-------------	----------	----------------	-----------

TOTAL QUOTE 28 409.00 \$

F4517E04CRABXXS	1 3/4" x 50 ft., Green RXL-800 - 1.5" NST Aluminum	44	221.50	9 746.00 \$
F4517E13CRABXXS	1 3/4" x 50 ft., Yellow RXL-800 - 1.5" NST Aluminum	10	189.00	1 890.00 \$
F4525E01CRABXXS	2 1/2" x 50 ft., White RXL-800 - NST Aluminum	6	302.50	1 815.00 \$
F4525E07CRABXXS	2 1/2" x 50 ft., Orange RXL-800 - NST Aluminum	3	302.50	907.50 \$
F4530E13CRABXXS	3" x 50 ft., Yellow RXL-800 - 2 1/2" NST Aluminum	6	381.00	2 286.00 \$
F5050E13ASDOLKS	5" x 100 ft., Yellow SUPPLYLINE - Storz	10	1 058.50	10 585.00 \$
F5050E13CSDOLKS	5" x 50 ft., Yellow SUPPLYLINE - Storz	1	672.00	672.00 \$
F5050E13F25SDOLKS	5" x 25 ft., Yellow SUPPLYLINE - Storz	1	507.50	507.50 \$
				- \$
				- \$
				- \$
				- \$

Quotation date:	July 20, 2020	VALID DATE:	October 20, 2020
		No extensions	

675 Merrill Street Coaticook (QC) J1A 2S2 CANADA
T. (800) 567-2703 - F. (819) 849-7539 // sales@niedner.com

NL-03-02-FM - Rev 007



7M.

Memorandum

**TO: Peggy Dunn, Mayor
City Councilmembers**

CC: Scott Lambers, City Administrator

FROM: Colin Fitzgerald, Fire Chief

DATE: 17 August 2020

SUBJECT: Fire Department Public Education Fire Safety House Purchase

The Fire Department is seeking approval for the purchase of an inflatable fire safety house. The safety house is highly portable, contains multiple rooms with safety themes, and is branded with LFD name and logo. It also comes with "Edith" (Exit Drills in the Home) educational banners. This is not a "bounce house" as the floor is not inflated. A descriptive brochure is attached to this memo for your information.

This purchase is part of an approved 2020 Budget Decision Package titled "Public Education – Prevention Training – Safety House and Robotronics". This fulfills the safety house portion of the decision package. This unit will aid in delivery of the department's Fire Safety program to our school age children. It will be utilized during public events, block parties and future public safety open-house activities. This will allow for a more hands-on approach for younger audiences often encountered during our public events and when utilized during our more formal educational presentations for schools.

The robotronics part of the proposal will be provided to you in a separate approval package.

An attempt was made to find multiple vendors for bids. However, only two speciality vendors were found after attending several trade shows and researching online.

- Boulder Blimp Company: \$6,785
- Inflatables Images: \$8,455

Staff recommends accepting the proposal from Boulder Blimp company as the low bid. This amount falls within the decision package budget proposal. The purchase is budgeted for 2020 and will come from Line 22000.22540.713000.



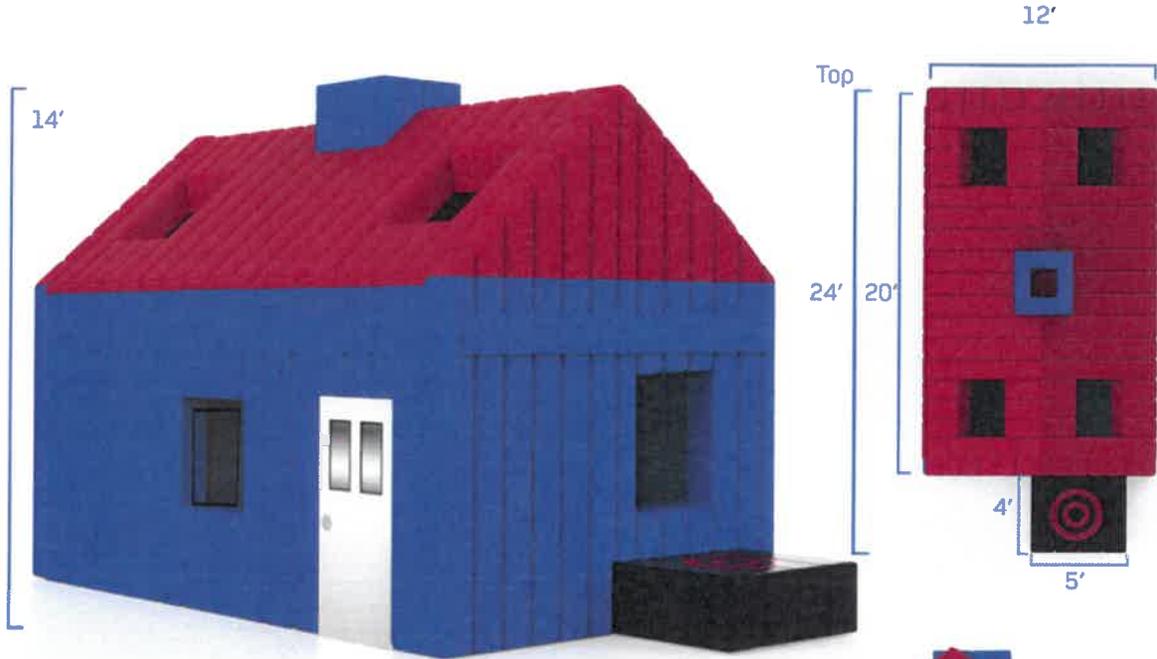
1208 Commerce Court, Suite 1A, Lafayette, CO 80026
Phone: 303-664-1122 / Fax: 303-664-1133



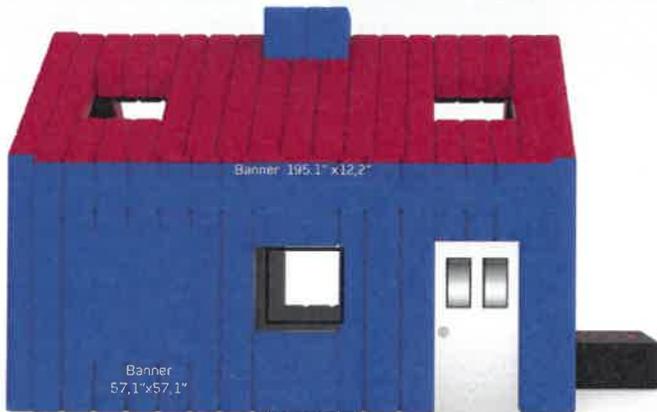
Art Layout Form

Date: 08 / 04 / 20 WO#: 33571 Company: _____
Client Approval: _____ Account Executive Approval: _____

INFLATABLE FIRE EDUCATION HOUSE - STANDARD SIZE



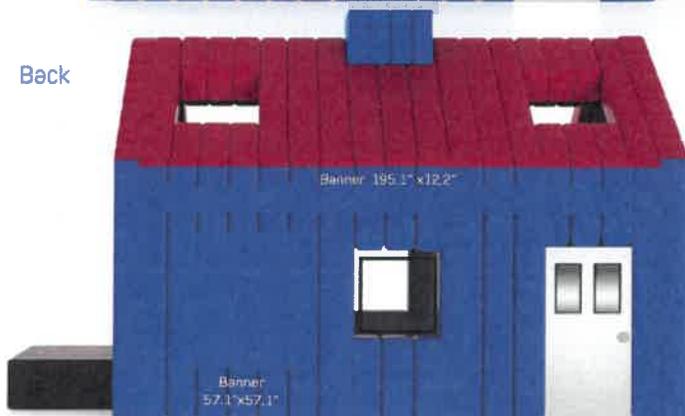
Front



Side



Back



Side



Standard Black Fabric

Standard Red Fabric (close to pantone 187)

Standard Dark Blue Fabric (close to pantone 287)

001827_a

THIS IS ARTWORK IS GOOD FOR PRODUCTION



Memorandum

**TO: Peggy Dunn, Mayor
City Councilmembers**

CC: Scott Lambers, City Administrator

FROM: Colin Fitzgerald, Fire Chief

DATE: 17 August 2020

SUBJECT: Fire Department Public Education Robotronics Purchase

The Fire Department is seeking approval for the purchase of a "Patches & Pumper" package which contains a remote controlled "robot" with voice transmission, water squirter, and supporting public education training materials. The robot resembles a dalmation in fire gear driving a fire truck. The dalmation is animatronic and the truck drives around. A descriptive brochure is attached to this memo for your information.

This purchase is part of an approved 2020 Budget Decision Package titled "Public Education – Prevention Training – Safety House and Robotronics". This fulfills the robotronics portion of the decision package. This unit will aid in delivery of the department's Fire Safety program to our school age children. It will be utilized during public events, block parties and future public safety open-house activities. The addition of these tools will provide a more hands-on approach for younger audiences often encountered during our public events and when utilized during our more formal educational presentations in the classrooms of our schools.

The Safety House part of the proposal will be provided to you in a separate approval package.

An attempt was made to find multiple vendors for bids. However, only one speciality vendor, Robotronics, Inc., was found after attending several trade shows and researching online. A Sole Source letter is attached from the Vendor. The bid from Robotronics, Inc. is for \$11,479. This amount falls within the decision package budget proposal.

The purchase is budgeted for 2020 and will come from Line 22000.22540.713000. Staff recommends approval.

Applicable Law. The laws of the State of Utah shall be applicable to all suits arising under any agreement between Robotronics and the Customer. The terms, conditions, provisions, validity, interpretation, and enforcement of this order agreement shall also be governed by the laws of the State of Utah.

Prices/Taxes. All prices on this order, or any quotation by Robotronics are for immediate acceptance and are subject to change without notice at any time prior to acceptance and shipment by Robotronics. All federal, state, local, sales, use, or other taxes are in addition to the prices stated and will be paid by the Customer. Sales tax is charged to non-exempt Utah customers only at the current rate required by local and state government. If Customer is required to pay sales tax, they will need to pay it directly to their own State under the laws of their State.

Payment Terms. After receiving a completed order form and an approved purchase order, Robotronics will bill order to towns, district, and government agencies with payment due 30 days after invoice date. All other organizations require a completed order form and one half down payment with the balance due upon delivery of the product(s). Custom work, custom robots, or imprinted material will be paid in full, 100 percent, before the start of the work has begun.

All payments must be in US funds drawn on a US bank or clearinghouse. International payments must be made by bank draft or international money order through a US bank or clearing house. International Visa, MasterCard and American Express payments will also be accepted in US funds. Direct bank transfers are also available.

The purchase price and all taxes, freight charges, and other amounts are due and will be paid by Customer in cash, to be received by Robotronics in Springville, Utah, within terms of the invoice. All orders are subject to shipment in whole or in part at the option of Robotronics. Each shipment is subject to immediate invoicing, and payment for each invoice shall be made to be received within terms of invoice.

If the statement of account remains unpaid beyond the due date, the Customer agrees to pay all service charges and interest at the maximum rate permitted by law. If the account is referred to a collection agency or an attorney, the Customer agrees to pay all costs and expenses of any collection activities, including reasonable attorney fees both before and after suit. An additional fee of \$10 will be charged on each check or credit card charge returned.

The Customer also authorizes Robotronics to investigate the Customer listed herein pertaining to their credit and financial responsibility. If, at any time, Robotronics deems the financial responsibility of Customer unsatisfactory, Robotronics may require payment in advance or on delivery. If Customer fails to comply with terms of payment, Robotronics may withhold further deliveries or cancel the unfilled portion of any order, and all unpaid accounts shall become immediately due and payable.

Shipment/Risk of Loss. All risk of loss or damage to the goods and all other incidence of title and ownership shall pass to the Customer upon delivery to the carrier at Robotronics' shipping point, and such delivery shall constitute delivery to Customer even though a right might exist with the Customer to reject the goods or the Customer revokes acceptance of the goods. For all orders outside of the contiguous US, additional shipping costs apply. For foreign orders, all costs including airport and brokerage fees, import duties, taxes, and all other charges other than shipping costs are the responsibility of the customer.

Shipping dates or time of arrival of shipment at destination are not guaranteed by Robotronics. Robotronics shall not be liable for any delays or defaults in making shipment. In event of shipment delay, if Robotronics and Customer do not mutually agree in writing to cancel the order for the item involved, the shipping date automatically shall be extended to the date that Robotronics is able to ship. The method of shipment will be at Robotronics option. Customer is responsible for furnishing labor and equipment for unloading as required by the carrier.

Cancellations. Customer's order and this agreement are not subject to cancellation, return, or back charge, or change in specifications, shipping schedule, or other conditions without Robotronics' written consent.

Returns. No goods may be returned, nor will any credit be allowed without first obtaining prior approval by Robotronics. Only standard stock goods, with the exception of magic items, returned with Robotronics consent will be credited, less the cost of handling and freight costs involved. All returns are subject to a restocking charge at the discretion of Robotronics. Products not normally stocked by Robotronics, including custom orders, will not be accepted for credit.

Claims/Remedies. Any claims or exceptions by Customer for defective product must be made within 10 days after receipt of the product. Customer shall retain the product asserted to be defective and provide Robotronics any opportunity to investigate. Claims for damaged product ordinarily must be made by Customer to the carrier.

Any claim by Customer against Robotronics for shortage or damage must be made within 10 days after receipt of product. All settlements must be made in writing by agreement between both Robotronics and the Customer.

Robotronics shall not, in any event, be liable for the cost of any labor expended on any such goods or for any special, direct, indirect, or consequential damages to Customer or any third party.

Warranties. Robotronics makes no warranty of any kind whatsoever expressed or implied, and all implied warranties are hereby disclaimed by Robotronics and excluded from this agreement. Warranties other than Robotronics' published warranty must be in writing by Robotronics and are specific to the individual purchase that the warranty relates to.

For robots, Robotronics offers a 12-Month warranty on all parts and labor; Customer pays shipping one way. Work performed by an outside source will void the warranty as Robotronics will not guaranty work done by unauthorized individuals or businesses. Charges incurred by these outside businesses or individuals will not be paid by Robotronics under this warranty agreement. All parts needing to be returned as part of this warranty agreement will require a proof of delivery if not received by Robotronics.

Entire Agreement/Modification. This agreement constitutes the sole and entire agreement between Customer and Robotronics with respect to the goods specified on the face of this order form, and none of the terms and conditions herein may be added to, deleted, modified, or altered except by written instrument signed by an officer of Robotronics. There are no oral representations or agreements related to this agreement which are not fully expressed herein.

Any quotation by Robotronics and all sales are subject to the terms and conditions stated herein, and Customer is conclusively presumed to have accepted these terms and conditions.

Shipment by Robotronics and acceptance of the products by the Customer shall be conclusively deemed to be subject to all of the terms and conditions listed in this agreement.

In the event that the Customer has submitted a purchase order or form stating terms or conditions additional to or different from these terms and conditions or if the purchase order or form expressly limits the terms and conditions of this agreement, then Robotronics, accepting this order form signed by the Customer, shall override any additional, different, or limiting terms and will accept only this agreement with its terms and conditions without modification, addition, or alteration. Under these circumstances, the failure of Customer to deliver notification of objection to these terms and condition of sale within a reasonable time shall be deemed an acceptance of these terms and conditions and a contract shall be deemed formed only upon such terms and conditions.

In any event, and regardless of any other terms and conditions stated by Customer, Customer's acceptance of the products covered hereby shall be conclusively deemed to be subject to the terms and conditions herein, including those which may be in addition to or different than any contained in any other order or form submitted by Customer.



SOLE SOURCE DOCUMENTATION

Robotronics is the world's foremost promotional and educational robot and costume manufacturer. At the present time, we have over seven thousand robots and thousands of costumes currently in use around the world. In addition to the many robots, costumes and other items we offer, Robotronics is the **Sole Source** manufacturer and distributor of **Patches & Pumper™ Robot & other Educational Materials**. We continue to be the leader in promotional and safety education robots and costumes based on sales and reputation. Our robots and costumes are distinctive because of their unique industrial-grade construction, microprocessor-based functionality, durability, and because they are easily recognized as realistic, life-like, attractive and friendly characters. No other similar products are manufactured or exist.

We currently hold exclusive licenses to produce McGruff the Crime Dog® and Scruff® robots, costumes and puppets, licensed by the NCPC (National Crime Prevention Council), and Smokey Bear™ robots and costumes, licensed by the USFS (USDA Forest Service). We are also sole manufacturer and distributor of Sparky the Fire Dog® robots, animated costumes, and puppets, licensed by the NFPA (National Fire Protection Association), Eddie Eagle™ costume, licensed by the NRA (National Rifle Association, Eddie Eagle Gun Safety® Program). In addition we are sole manufacturer and distributor of Daren the D.A.R.E. Lion robot of D.A.R.E. America.

Best Regards,

A handwritten signature in black ink that reads "Scott George". The signature is fluid and cursive, with a long horizontal line extending from the end of the name.

Scott George
President and CEO
801-489-4466 ext 120
Robotronics Inc
1610 West 1600 South
Springville UT 84663

PATCHES AND PUMPER™ PACKAGE

[0 Reviews](#)

\$10,990.00

Item# 100184

Patches & Pumper™ is an exciting tool for teaching fire safety. A fully animated Dalmatian Dog and fire truck robot, Patches & Pumper™ can move, speak, listen, plays MP3s, wink, and blink all by remote control. As this little fire pup talks, his mouth moves in synchronization with his words.

Standard vs Package?

The standard robot comes with everything that you need to operate it.

The package comes with the following additional items: *Extra RC Battery Pack, Robot Transport Cart, Robot Cover, and Extra Robot Battery. A \$164.00 savings over items purchased separately.*

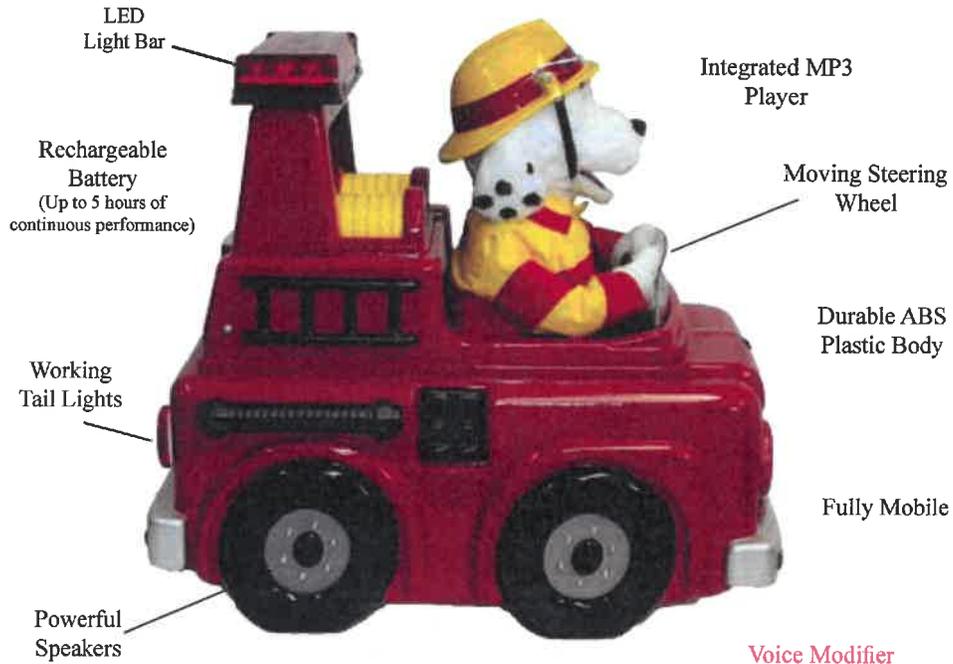
[Click here to see the Standard Robot](#)

Two great options to consider adding to the robot are a voice modifier and a water squirter. The voice modifier changes the operator's voice coming out of the robot to a fun cartoony sounding voice. With the water squirter the robot can shoot a stream of water 15 to 20 feet, kids love it!



Robot Features & Options

Optional items are in **RED**



Voice Modifier





July 2020 Monthly Report

AREA OF CITY	CALLS FOR SERVICE	CODE 1 RESPONSE	NON-EMERGENCY
North Zone	817	2:50	4:55
Center Zone	726	1:58	4:21
South Zone	864	3:27	6:29
TYPES OF CALLS FOR SERVICE			
Traffic Stops			739
Traffic Complaint Areas investigated			42
Medical Calls			122
Alarms			106
Arrests			34
Accidents (Injury)			29 (9)
Open Doors			100
Suspicious Activity calls			25
Check the Welfare			32
9-1-1 Calls Received			1,169 (Approx. 37 calls per day)
Administrative Calls Received			2,763

MONTHLY HIGHLIGHTS



On the afternoon of Thursday, July 2, Leawood officers hosted a community event at the Leawood at State Line Apartments. 15 children and other members of the community gathered to speak with officers regarding bicycle safety, swimmer safety, and enjoyed popsicles provided by the department.

Officers hosted a second event on Friday, July 24, on the north side of Town Center Plaza that drew nearly 30 people, who braved the 90+ degree heat to stop by and see the department's new mobile command post, play games and enjoy a cookie with a cop.

Frequent crash locations

INTERSECTION	July	2020
I-435 & State Line Road	2	23
State Line Rd/135th St.	1	10
103rd/State Line Road	1	6
Town Center Dr/Roe Ave	0	4
123rd / State Line	3	3
135th/Nall Ave.	0	3
College/Mission	0	3
115th/Tomahawk Creek Pkwy	0	3

Shields earns his wings



CRIME REPORT

	This month*	Last month	Two months ago
Burglaries	9	3	5
Thefts from vehicles	16	7	10
Drug possession violations	8	9	7
Stolen autos	9	6	4
Agg. assault/batteries	5	7	2
Crim. Damage to Property/Vandalism	14	4	10
DUI	9	14	7
Shoplifting	5	7	4
Mental Health related calls	49	24	57

TRAFFIC ENFORCEMENT REPORT

	March 2020	April 2020	May 2020	June 2020	July 2020
Arrests	78	44	51	57	34
Citations	912	196	362	560	541
Warnings	585	138	352	682	649
Crashes	32	10	23	29	29



July 2020 Report

Monthly Calls for Service	
Fire Responses	7
EMS Responses	152
HazMat Responses	11
Tech Rescue Responses	3
Other Calls for Service	73
Total Calls This Month	246
YTD Total Calls	1,712

Monthly Activity Hours
(Non-training - can include response, public education, public services, maintenance, etc)
Staff Activity Hours: 804

Monthly Training Hours
Training Hours: 1,639

Monthly Highlights

- 7 Public Relations Events / Birthday Parades
- 7 Infant / Child Car Seat Installations
- 14 CPR / First Aid Students taught
- 9 Residential Smoke Detector Installations
- Three new firefighters started on July 27th
- Fire Marshal Candidates - Hiring Board Interviews on July 30th via Skype

LFD Welcomes Three New Firefighters

Three new firefighters started on July 27th: Megan Haines, Damon Harrison, and Brooke Harshaw.

- Megan comes with experience working for Western Taney County Fire Protection District, Missouri where she was "Rookie of the Year" in 2017. She is also a sign language interpreter.
- Damon is a six-year Army Veteran and a newly licensed Paramedic. He is relocating down from Wisconsin.
- Brooke has experience with Kiowa County EMS and Manhattan FD and has a Master's Degree in Agricultural Education.

The FF's spent several weeks with orientation, training and skill checks before being released to their assigned shifts where they will work through their probationary year of training and testing. The LFD is excited to welcome them to our family!



FF Megan Haines



FF Damon Harrison



FF Brooke Harshaw

Fire Department Incident Response Details

Monthly Fire Loss & Value Saved in Leawood

Number of incidents with fire related loss in Leawood for the month: 0

Pre-Incident Estimated Value: N/A
 Content Value Loss Estimate: N/A
 Property Value Loss Estimate: N/A
 Total Fire Value Loss Estimate: N/A
 Total Value Saved Estimate: N/A



Incident Response Times

Emergency service performance standards are measured by 90-percentile performance to demonstrate credibility and reliability in service delivery. Percentile metrics demonstrate a better representation of response times than averages. Instead of displaying what the Department does half of the time, the Department observes what it does the majority of the time. Travel and total response times only include emergency responses within the City of Leawood and are included for both the first unit on scene as well as the Effective Response Force (ERF) which include all the units necessary to handle that risk type of emergency incident.

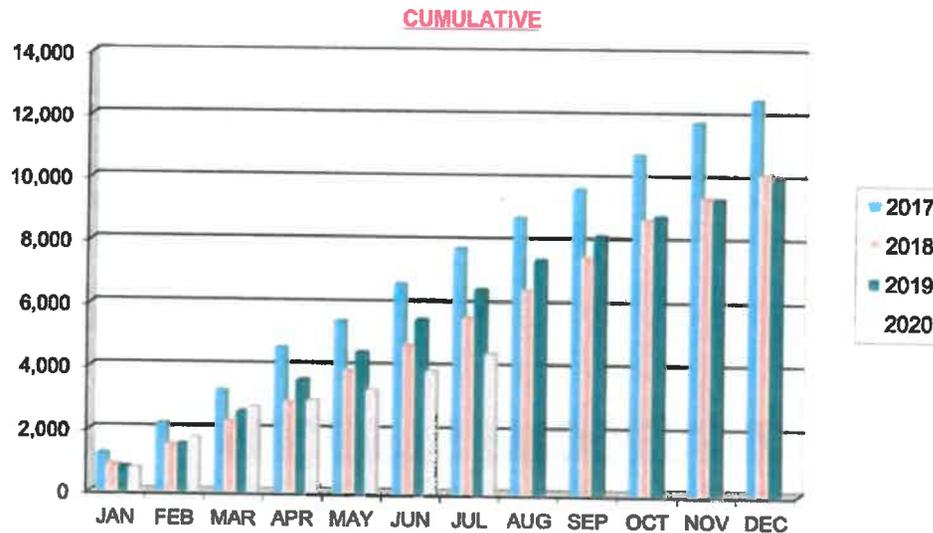
Summary of Monthly LFD Baseline Performance at the 90th Percentile

LFD - Baseline Performance 90 th Percentile		All Calls	Fire	EMS	Tech Rescue	HazMat
Total Number of Incidents by Type		246	7	152	3	11
Alarm Handling	Call Pick-Up to Dispatch	2:49	1:37	2:49	1:45	2:30
Turnout Time	Dispatch to 1st Unit Enroute	1:19	0:45	1:19	0:06	0:44
Travel Time 1st Unit	Enroute to Arrival Time 1st Unit on Scene Emergency Responses Only	5:25	5:10	5:25	N/A	N/A
Total Response Time - 1st Unit	Enroute to Arrival 1st Unit on Scene Emergency Responses Only	8:35	7:51	8:35	N/A	N/A
Travel Time ERF	Enroute to Arrival Time Effective Response Force Emergency Responses Only	9:10	8:36	9:10	N/A	N/A
Total Response Time - ERF	Enroute to Arrival Effective Response Force Emergency Responses Only	11:38	10:19	11:38	N/A	N/A

LEAWOOD MUNICIPAL COURT CASELOAD

	<u>CUMULATIVE</u>				<u>MONTHLY</u>			
	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
JAN	1,246	890	820	785	1,246	890	820	785
FEB	2,201	1,537	1,559	1,763	955	647	739	978
MAR	3,253	2,280	2,595	2,759	1052	743	1,036	996
APR	4,615	2,907	3,597	2,962	912	627	1,002	203
MAY	5,483	3,900	4,481	3,312	1,318	993	884	350
JUN	6,652	4,713	5,542	3,915	1,169	813	1,061	603
JUL	7,783	5,607	6,496	4,471	1,131	894	954	556
AUG	8,778	6,470	7,419		995	863	923	
SEP	9,677	7,527	8,194		899	1,057	775	
OCT	10,792	8,728	8,827		1,115	1,201	633	
NOV	11,812	9,420	9,374		1,020	692	547	
DEC	12,523	10,161	10,015		711	741	641	

12,523 10,161 10,015 4,471



70.

LEAWOOD MUNICIPAL COURT RECEIPTS PROCESSED

CUMULATIVE

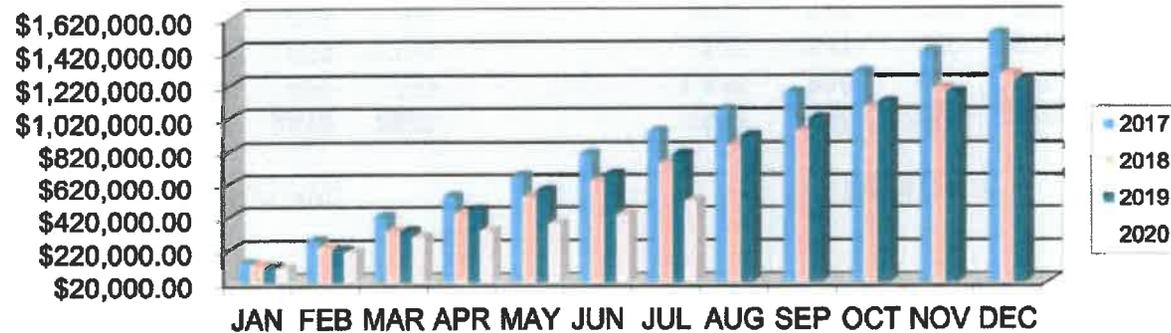
	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
JAN	\$ 135,897.50	\$ 124,209.00	\$ 112,615.50	\$ 105,119.33
FEB	\$ 271,140.75	\$ 226,773.06	\$ 214,571.00	\$ 202,472.50
MAR	\$ 417,435.75	\$ 328,422.81	\$ 327,949.25	\$ 291,744.00
APR	\$ 539,966.25	\$ 430,749.06	\$ 457,627.75	\$ 329,641.00
MAY	\$ 667,316.25	\$ 532,916.01	\$ 574,924.00	\$ 371,190.00
JUN	\$ 803,020.75	\$ 632,601.01	\$ 678,414.00	\$ 425,770.50
JUL	\$ 937,496.25	\$ 740,497.51	\$ 800,316.75	\$ 511,709.25
AUG	\$ 1,065,718.25	\$ 853,735.81	\$ 911,773.00	
SEP	\$ 1,171,682.50	\$ 939,594.81	\$ 1,015,789.50	
OCT	\$ 1,293,663.50	\$ 1,078,242.81	\$ 1,110,817.50	
NOV	\$ 1,413,905.25	\$ 1,193,133.81	\$ 1,169,617.50	
DEC	\$ 1,518,103.44	\$ 1,281,212.81	\$ 1,238,818.50	

MONTHLY

	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
JAN	\$ 135,897.50	\$ 124,209.00	\$ 112,615.50	\$ 105,119.33
FEB	\$ 135,243.25	\$ 102,564.06	\$ 101,955.50	\$ 97,353.17
MAR	\$ 146,295.00	\$ 101,649.75	\$ 113,378.25	\$ 89,271.50
APR	\$ 122,530.50	\$ 102,326.25	\$ 129,678.50	\$ 37,897.00
MAY	\$ 127,350.00	\$ 102,166.95	\$ 117,296.25	\$ 41,549.00
JUN	\$ 135,704.50	\$ 99,685.00	\$ 103,490.00	\$ 54,580.50
JUL	\$ 134,475.50	\$ 107,896.50	\$ 121,902.75	\$ 85,938.75
AUG	\$ 128,222.00	\$ 113,238.30	\$ 111,456.25	
SEP	\$ 105,964.25	\$ 85,859.00	\$ 104,016.50	
OCT	\$ 121,981.00	\$ 138,648.00	\$ 95,028.00	
NOV	\$ 120,241.75	\$ 114,891.00	\$ 58,800.00	
DEC	\$ 104,198.19	\$ 88,079.00	\$ 69,201.00	

\$ 1,518,103.44	\$ 1,281,212.81	\$ 1,238,818.50	\$ 511,709.25
\$ 1,500,000.00	\$ 1,500,000.00	\$ 1,500,000.00	\$ 1,300,000.00

CUMULATIVE



Staff Review

Fact Sheet

SUBJECT: RESPONSE FROM THE PUBLIC WORKS COMMITTEE
RE: TRAFFIC CONFIGURATION OF MISSION ROAD, 133RD TO 143RD
August 17, 2020

DISCUSSION

The Public Works Committee met on July 29, 2020, to review the future roadway section of Mission Road (133rd to 143rd).

The PW Committee heard from the design engineer Burns & McDonnell and their traffic consultant Affinis about the current road lanes and the different sections running along the project.

Some of the concerns stated by the PW Committee:

1. Cyclists may take up the entire width which would restrict vehicles from passing.
 - a. The vehicle lane will be 11' wide, bike lane will be 5' wide and there will be a 3' wide striped buffer between the vehicle and bike lane.
 - b. The existing pavement width on Mission Road for two way traffic is 22 feet. The proposed pavement width for each direction would be 19 feet which will allow vehicles to pass if a group ride is two abreast.
2. Concerned about emergency vehicle access.
 - a. PW has discussed the divided roadway with Fire and they are fine with the proposed width.
3. Maintenance cost of the island.
 - a. Parks would add this island to their mowing contract.
4. The different roadway sections of Mission along this corridor.
 - a. 133rd St to 137th St will be a four lane divided roadway due to the volume of traffic from the mixed use developments and at 135th St.
 - b. As part of the future Mission Road 143 to 151st, the two lane divided section could be constructed from 137th St to 151st St with the exception at 143rd Street which will have left turn lanes, one through lane and right turn lanes.

Bid letting is proposed for March/April of 2022 with construction completed in mid-2023. Utilities will

begin relocation of their facilities in mid-2021.

The Committee made the recommendation that staff approve of the presented 2-Lane divided roadway in the segment running from 137th to 142nd on Mission Road (by the entrance to the school).

It is the recommendation of the Public Works Department that Council approve the Committee's recommendation and proceed with the traffic configuration plan as recommended by staff and the Public Works Committee.

David Ley, P.E.
 Director of Public Works

COUNCIL ACTION TO BE TAKEN

Approve Committee Recommendation

STAFF RECOMMENDATION

- For
 Against
 No position

COMMITTEE RECOMMENDATION

- For
 Against
 No position No Assignment

POLICY OR PROGRAM CHANGE

- No
 Yes

OPERATIONAL IMPACT

COSTS

FUND SOURCES

Project 80175

Memo

To: Mayor Peggy Dunn and City Council
From: Chris Claxton, Director *Chris*
Date: 08/17/2020
Re: Park Board Recommendation for Name of New Green Space at 89th and Sagamore

The Parks and Recreation Department has taken over the maintenance of the new green space at 89th and Sagamore following the deeding over of the 6.7 acres by the developer.

The Parks and Recreation Advisory Board discussed possible names for the new space at the February 18, 2020 meeting. The following names were suggested to vote on:

- Country Club Crossing
- Clover Crossing
- Country Club Ridge
- Old Club Crossing
- Old Leawood Crossing

Park Board Members were asked to submit their vote via email to be reported at the March meeting. Old Leawood Crossing received the majority of the votes. While this received unanimous agreement at the March 10, 2020 meeting, no motion was presented and therefore no vote taken.

At the June 9, 2020 meeting, the name of "Old Leawood Crossing" was confirmed via unanimous approval by the Park Board to be submitted to the Governing Body for approval.

City of Leawood Governing Body Staff Report

MEETING DATE: August 17, 2020

REPORT WRITTEN: July 30, 2020

**LEAWOOD FIRE STATION #1 & PARK – REQUEST FOR APPROVAL OF A PRELIMINARY PLAT & FINAL PLAT – LOCATED SOUTH OF 96TH STREET AND EAST OF LEE BOULEVARD – CASE 56-20
*PUBLIC HEARING***

PLANNING COMMISSION RECOMMENDATION:

Planning Commission recommends the Governing Body approval of CASE 56-20, Leawood Fire Station #1– Request for a Preliminary Plat & Final Plat, subject to the following stipulations.

1. This approval is limited to a Preliminary & Final Plat combining five lots (Lots 115, 116, 117, 118, and 119) within Leawood Estates residential subdivision into one lot.
2. In addition to the stipulations listed in the report, the developer/property owner agrees to abide by all ordinances of the City of Leawood including the Leawood Development Ordinance, unless a deviation has been granted, and to execute a statement acknowledgement in writing that they agree to stipulations one through two.

APPLICANT:

- The applicant and engineer is Judd Claussen with Phelps Engineering, Inc.
- The properties are owned by The City of Leawood.

REQUEST:

- The applicant is requesting approval of a Preliminary & Final Plat to combine five lots (Lots 115, 116, 117, 118, and 119) within Leawood Estates residential subdivision into one lot.

ZONING:

- The property is currently zoned R-1 (Planned Single Family Low Density Residential (15,000 Sq. Feet per Dwelling)).

COMPREHENSIVE PLAN:

- The Comprehensive Plan designates this property as Public and Open Space - Public.

INTERACT MEETING:

- Meeting was held on Wednesday, July 15th at 6:00 pm. *(See attached minutes and sign-in)*

SIGNAGE:

- No signage is proposed with this application

LOCATION:



SURROUNDING ZONING:

- North To the north is single family residential, Leawood Estates zoned RP-1 (Planned Single Family Residential District) (12,000 Sq. Feet per Dwelling)).
- South To the south, is single family residential, Leawood Estates zoned RP-1.
- East To the east, is single family residential, Leawood Estates zoned RP-1.
- West To the west, across Lee Boulevard, is single family residential, Leawood Estates zoned RP-1.

SITE PLAN COMMENTS:

- The site is located within the Leawood Estates residential subdivision.
- Existing fire station #1 is located on lot 116, former Leawood City Hall is located on lot 117, and a Cellular Tower is located on lot 118.

FINAL PLAT:

- The applicant is proposing to replat lots 115, 116, 117, 118, and 119, removing the lot lines that bisect the existing property, creating one contiguous lot.
- The Final Plat contains the following: 3.691 Acres / 160,767 Sq. ft.

EASEMENTS

10' Utility Easement

Back Lots 115-119, northern lot 115, between lots 118 & 119

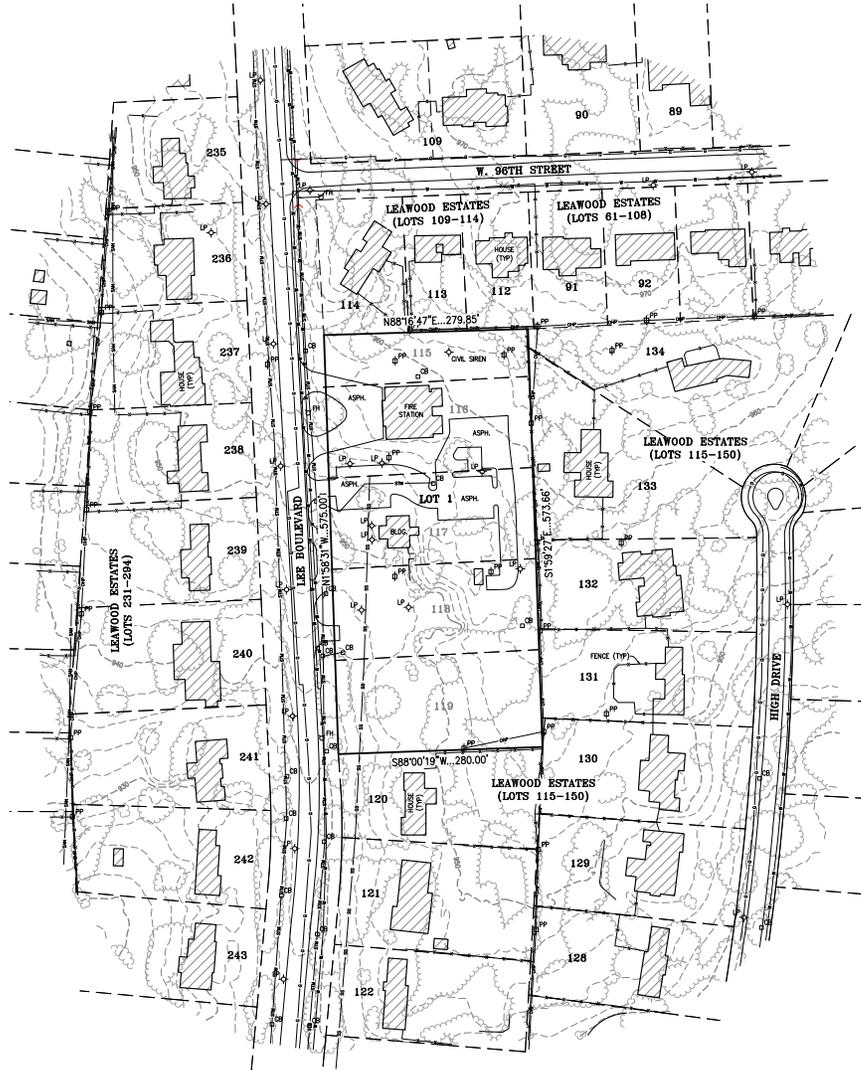
BULK REGULATIONS:

- The following table outlines the required and provided regulations for the project:

<u>Criteria</u>	<u>Required</u>	<u>Provided</u>	<u>Compliance</u>
Front Setback	35'	35'	Complies
Side Setback	15'	15'	Complies
Rear Setback	30'	30'	Complies

PRELIMINARY PLAT OF LEAWOOD FIRE STATION 1 AND PARK

RESURVEY AND REPLAT OF LOTS 115 THRU 119, LEAWOOD ESTATES
A SUBDIVISION OF LAND IN THE NORTHEAST QUARTER OF
SECTION 3, TOWNSHIP 13 SOUTH, RANGE 25 EAST,
IN THE CITY OF LEAWOOD, JOHNSON COUNTY, KANSAS



LEGAL DESCRIPTION
Resurvey and replat of Lots 115 thru 119, LEAWOOD ESTATES, a subdivision of land in the Northeast Quarter of Section 3, Township 13 South, Range 25 East, in the City of Leawood, Johnson County, Kansas, containing 3.691 acres, more or less, of replatted land.

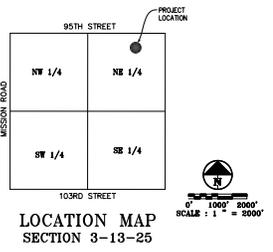


LEGEND

- B/L DENOTES BUILDING LINE
- U/E DENOTES UTILITY EASEMENT
- S/E DENOTES SANITARY SEWER EASEMENT
- (P) DENOTES PLATTED
- (M) DENOTES MEASURED

ZONING NOTE:
EXISTING ZONE R-1
PROPOSED ZONE REC

FLOOD NOTE:
THIS PROPERTY LIES WITHIN ZONE X, DEFINED AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON THE FLOOD INSURANCE RATE MAP PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY FOR THE CITY OF LEAWOOD, COMMUNITY NO. 20167, JOHNSON COUNTY, KANSAS, PANEL NO. 2007000555, AND DATED AUGUST 3, 2006.



Approved by the Planning Commission of the City of Leawood, Johnson County, Kansas,
this ____ day of _____, 20 ____.

Chairman: Marc E. Elkins

OWNER/DEVELOPER:
CITY OF LEAWOOD

LEAWOOD FIRE STATION 1 AND PARK

**PLANNING
ENGINEERING
SURVEYING**

PHILIP BINGEN, INC.

PHILIP BINGEN, INC.

PHILIP BINGEN, INC.

1000 N. Winnebago
 Olathe, Kansas 66061
 (913) 898-1188
 Fax: (913) 898-1188

CERTIFICATE OF AUTHORIZATION
 LAND SURVEYING - LS-RE
 ENGINEERING - E-30
 CERTIFICATE OF AUTHORIZATION
 LAND SURVEYING - LS-RE
 ENGINEERING - E-30/20202020

City Planner Grant Lang made the following presentation:

Mr. Lang: This is Case 56-20 – Leawood Fire Station #1 & Park. The applicant is requesting approval of a Revised Final Plat to combine Lot Nos. 15-19 within the Leawood Estates Residential subdivision into one lot. This application is limited to the re-platting of five lots into one lot and does not include rezoning or design for the property. This process will allow for the removal of existing interior lot lines and the adjoining setbacks. The existing R-1 zoning will remain with this application. This is the first step in a multi-step process that the project will have to undertake. Further, they will be required to submit a Preliminary and Final Plan. Once the design process starts for the site, an additional Public Hearing and Interact Meeting will be required. The application does meet all requirements per the LDO (Leawood Development Ordinance), and staff recommends approval of Case 56-20 with the stipulations listed in the Staff Report. I'll stand by to answer any questions.

Chairman Elkins: Thank you, Mr. Lang. Are there questions?

Comm. Coleman: What is the purpose of combining the five lots together?

Mr. Lang: At this point, we don't have a plan; it is just clerical work to get all the city property into one large lot.

Comm. Coleman: Is there a reason to get it all into one block?

Mr. Lang: I believe they would like to place an additional Fire Station on the new property after removing the old one, but at this point, we don't have that information.

Comm. Coleman: I was looking at the diagram in the Staff Report. As I understand, the existing Fire Station looks like it's primarily on Lot 2 and a little bit on Lot 1. Lot 3 includes the old City Hall. Lot 4 is vacant, and it used to hold the cell phone tower.

Mr. Lang: And the old Police Station.

Comm. Coleman: And then is it an existing home on Lot 5?

Mr. Lang: There was a home on the property. The city has acquired it, and the home is gone.

Comm. Hoyt: There are numerous comments of concern from neighbors. It seems like the primary concern is lack of a plan at this point for what is going to be done on the property and a questioning of the process and if this is typical. I wonder if you could reflect a bit on the sequence of steps and if this is a standard practice to ask for the re-platting before there are any plans whatsoever.

Mr. Lang: Any property owner within the City of Leawood is allowed to re-plat property at any point in time as long as it follows the LDO. Nowhere in that ordinance does it state

that a plan is required. We saw this with the recent Whitehorse residential subdivision. They combined two lots into one without a plan.

Comm. Hoyt: Did we have a vague notion of what they would do with that property? I'm trying to figure out if this is in the range of what has typically been done in the past or if this is somehow different.

Mr. Lang: It certainly is allowed within the LDO. With the Whitehorse case, there was mention of a pool. At that point, we were not supportive of developing on proper lines. This is just clearing the way for future development.

Comm. McGurren: Is it fair to say that, in the documentation from the Interact Meeting, one of the major concerns was related to the park and whether the neighbors wanted a park. I was on the Parks and Recreation Board recently, and my recollection was that this subject had an Interact Meeting a long time ago, and there was overwhelming support for a potential park. They sought perspective on the type of park. I was surprised to read that this meeting unfolded a perception of potential park. Is there anything that can be said about that comparison from before to now?

Mr. Lang: I think the reason it was called a park in this instance is it was reflecting what was on the Comprehensive Plan, which does show it as open green space for public use. If opinions changed for the residents, it would be a great question to ask them.

Comm. Block: You indicated this is a housekeeping measure. I think there was reference to it in the Interact Meeting from those who represented the city from the engineering company. From a design perspective, why is this step necessary? Does it affect their ability to design?

Mr. Lang: Without having a plan in front of me, I would assume if they are left with the individual properties, they would have to go up instead of out because they're not going to be allowed to develop on the property lines. Those property lines also come with a 15' setback. This would help with capacity and allow them to develop. The neighborhood is not supportive of a two-story building. This would satisfy that need.

Comm. Block: From a cost perspective, does not having this approval and then trying to design, having to change designs down the road because there is movement with the lots?

Mr. Lang: I'm not sure how much it would impact a cost-related activity. All we know is they want to re-plat and satisfy that need, clearing the way so they know what they can design. Now, they have limitations.

Comm. Block: It would not change any of the setbacks on the perimeter of all of the parcels, correct? They're not going to be able to get any of this any closer to the exterior sides?

Mr. Lang: That is correct; it only impacts the interior lines. This is still going to be zoned R-1. The setbacks will stay they same as they are now.

Comm. Block: Would this need to be rezoned at some point to put the Fire Station back on there?

Mr. Lang: It doesn't need to be rezoned, as the use is allowed.

Chairman Elkins: Are there other questions? What impact will the re-platting have on the zoning?

Mr. Lang: The zoning isn't a part of this application, so it wouldn't have any impact at all.

Chairman Elkins: If, for some reason, there is a desire or need to rezone, what would the city have to do in order to accomplish that?

Mr. Lang: The city would have to fill out an application, and then we would have an Interact Meeting.

Chairman Elkins: It would come back to the Planning Commission, correct?

Mr. Lang: Yes, it would.

Chairman Elkins: It would have a Public Hearing for the rezoning, correct?

Mr. Lang: Yes.

Chairman Elkins: We would then have to make a decision to recommend it to Governing Body for approval.

Mr. Lang: Correct.

Chairman Elkins: What impact will the proposed re-platting have on any deed restrictions on the five lots that are subject to be re-platted?

Mr. Lang: My basic understanding is the deed restrictions run with the land. Legal may have more to say about that.

Chairman Elkins: For my own edification, what are the standards we should be applying to make a determination whether we should recommend re-platting to Governing Body/ In certain circumstances, we have Golden Criteria. I'm not suggesting they apply here, but could you give some guidance on the standard we should be applying?

Mr. Lang: I might pass that off to Richard Coleman.

Mr. Coleman: You want to make sure that all the property lines, description of plat, any easements or other encumbrances on the property are known. That would be of interest to Governing Body. The platting has no effect on deed restrictions on the lot that the city bought. I know that was a question from a number of the residents. This is the normal process for developers. Often, there are multiple pieces of property for a development, so the first step is platting the property. Then that takes care of a number of issues that may arise when surveyors and engineers research the property. As was alluded to before, we don't allow buildings to be built on property lines. We have interior setback requirements for interior property lines. By removing this, it allows whoever the city chooses to do the design to proceed knowing where the setbacks are, where the restrictions are, and not have those interior lot lines. We don't know the final layout, but there will be opportunities for the public to participate throughout the process.

Chairman Elkins: Thank you. Mr. Lang, in the event that the city desires to develop part of the space for a public park or green space, what would the process be for the city?

Mr. Lang: I believe at that point, it would have to be rezoned to Recreational.

Chairman Elkins: Assuming that goes through the same process, what about the plan for the park itself?

Mr. Lang: It would follow the same process of Preliminary and Final Plans, including Public Hearings as well.

Chairman Elkins: There has been a lot of conversation about the Fire Station. If and when such a plan is proposed to be executed, what is the process for that proposal?

Mr. Lang: There would be an Interact Meeting with a Public Hearing, going through Planning Commission and Governing Body.

Comm. Block: As a follow-up, the 1952 Covenants and Restrictions, referenced in one of these letters, is a legal matter that is not part of the LDO and not something Planning Commission and City Council would consider. Is that correct?

Mr. Coleman: The deed restriction, as Mr. Lang said, runs with the land. One of the encumbrances on the property are things the architect and engineer have to work around. There are sometimes deed restrictions on commercial property, too; it depends on what the original owner intended.

Comm. Block: We're not going to have to worry about it, but it's the northernmost and southernmost properties that have those?

Mr. Coleman: I believe it's the southernmost property only. It's the property that had a house on it. This gives more room for development and more room between existing homes.

Chairman Elkins: Thank you. Other questions?

Comm. Peterson: In the Interact Meeting, one of the participants – Katy Yeller – referenced a Susan’s Lot. Is that the southernmost property?

Mr. Coleman: I believe it is.

Comm. Peterson: How did the city come to acquire that?

Mr. Coleman: They purchased it.

Comm. Peterson: It wasn’t gifted or anything like that?

Mr. Coleman: No, it was not gifted.

Chairman Elkins: Thank you. If there are no further questions for staff, I’ll open the Public Hearing. I would note that seven members of the community have registered to speak. We’ll permit four minutes for each speaker. I know from the reading I’ve done of the notes from the Interact Meeting that it is possible that a number of the residents who wish to be heard may have questions for staff. I will note that this is not an interactive sort of activity, but I would ask Mr. Lang to keep track of the questions, and the city will have an opportunity to respond following the closing of the Public Hearing. In our normal course of events, the applicant is given an opportunity to respond to staff before the Public Hearing is convened. In this case, it is a bit unusual because the city is also the applicant. Is there anyone from the city who wishes to be heard as applicant as contrasted from the planning staff?

Brian Scovill, City Engineer, made the following comments:

Mr. Scovill: We do have our consultant engineer, Judd with Phelps Engineering, on the Zoom call. He is available to assist with questions. If he has comments he feel would be appropriate to add to the record, he may do that.

Judd Claussen, Phelps Engineering, 1270 N. Winchester, Olathe, KS, appeared before the Planning Commission and made the following comments:

Mr. Claussen: We were retained by the city to prepare the technical documents for the Preliminary and Final Plat. Many of the comments and remarks I was going to make tonight have been discussed already, so I’ll be brief. Brian and I participated in the Interact Meeting on July 15th. The pages of notes provided to you were recordings of those conversations. We tried our best to answer the questions we could, and there were several questions relating to the plan of the future Fire Station, future possible park, and other types of future activities that may go on, on that site that really weren’t part of this application that we were not able to answer. With that, I’ll stand for any technical questions you may have on the plat.

Comm. Block: When we've seen an issue where the two sides are not on the same page, they've worked together behind the scenes. In light of all these comments that are in our packet, does the city want to do a different process here, even though it sounds like this is the normal process? Has there been effort to reach out, other than the Interact Meeting? When an attorney represents a developer, those conversations might happen.

Mr. Scovill: I believe those conversations would happen during the design phase. Right now, we're in the re-platting phase, which tends to be more of a formality of creating one solid lot. That is where we are now.

Chairman Elkins: With that, we will move on to the Public Hearing. Again, comments will be limited to four minutes. I will advise you when you're at one minute. As I indicated, I'm anticipating as a result of some of the dialogue that there will be questions. Staff will have an opportunity to respond, and then we'll move to consideration.

Public Hearing

Kerry Shaw, 9618 High Drive, appeared before the Planning Commission and made the following comments:

Mr. Shaw: I live directly east of 9619, which is the address of the home that was purchased by the city. What I would like to do first is thank Brian Scovill, Judd Claussen, Grant Lang, and Scott Lambers because each of them has sat and listened to me and others, expressing our concern. What we're asking respectfully for the Planning Commission to do is reject this plat request. There is no complete or clear plan on what is going to happen with this property. What we're going to have to live with is whatever happens in a piecemeal fashion where these five lots get put together. The very first thing that is going to occur is while the internal setback lines change, it doesn't affect our homes to the east; it affects the homes to the south and north because the setback changes from having a residential lot. Then, the north at 9605 is actually a separate parcel that the Kroc brothers left to keep a distance from the homes on 96th Street. If you read the deeds and restrictions from 1952, you'll find a bunch of worthwhile information related to this. We're asking you to reject it or table it until there is a clear plan for what is going to happen. While it was said earlier that there was universal approval for a park, no one asked the homeowners at 9610, 9612, 9614, 9618, or 9620 High Drive or 9625 Lee. None of this was going on when they were doing their original discussions on the Fire Station. Now, the status quo has changed because a residential lot has been purchased. Eliminating the setbacks and the lines will significantly impact Katherine Geller's house at 9625 Lee Boulevard. We have no objection to a one-story Fire Station. Everybody wants it. People were disappointed when the Police Department left. We were hoping that a precinct would be maintained in North Leawood. What we've already seen is people camping in the trees. The morning after that occurred, the Police Department arrived at our door to find out if we were camping in our back yard. We've already seen backpackers and people walking their dogs back there. Of course, every home along this has dogs, and the dogs go running at the fence because there's an intruder. The park concept is not something we are interested in. What we're interested in is a one-story Fire Station and leaving City Hall or relocating City Hall onto the new lot. In talking with

Scott, to get the design they have right now on the site, they need 35 feet. We don't have a problem with a variance; just leave the lot as it was. Do the screening, give the variance so they can have their driveway. 100% of the people support the Fire Station; it is just a matter of a park on Lee Boulevard that will create traffic issues, safety issues, and a whole bunch of volume. Ideas being tossed around include turning the old Fire Station into a pavilion, a water park, and a train park. This is not like there's a street, a park, and a street separating the neighbors; it is back yards butting up to this property. The Kroc brothers left that property residential. They agreed to the Fire Station. They weren't around when the Police Department came, and they agreed to City Hall. There are deeds and restrictions. It is currently zoned Residential. This is different than Whitehorse. This is not a homeowner requesting a lot line change so they can put in a pool. This is the city asking for five lots to be put together into one spot. It is a very different situation, so we're asking the city to reject or table this until the city comes forward with a better plan or clearer plan that buys in to all the people behind the property and across the street from the property because we're the ones affected. All the rest of the people that came and commented that they're upset about a park don't have to live across the street from it or behind it. With that, I'll stand down. We respectfully ask you to reject or table this until a later date when there's a better plan.

Chairman Elkins: Thank you, Mr. Shaw; we appreciate your comments. Is Charlotte Saw online?

Mr. Shaw: She can't get her computer to work, so go to the next one.

JoLynn Hobbs, President of Leawood Homes Association, appeared before the Planning Commission and made the following comments:

Ms. Hobbs: I'm also a member of the Leawood Parks and Recreation Advisory Board. I'm just joining to be aware of what's going on in our neighborhood. I was also very involved in the Brook Beatty Park, located between 83rd and 95th on Lee Boulevard. I'm just joining to be aware of what's going on in our neighborhood. Thank you.

Chairman Elkins: Thank you; we appreciate your comments. Is Mike Faulkner on the line? We'll go to the next on the docket and see if he joins us later.

John McElroy, 2327 W. 96th Street, appeared before the Planning Commission and made the following comments:

Mr. McElroy: I live directly to the north of the Fire Station, right behind the community garden. I think that Mr. Shaw did a fantastic job of explaining our concerns. I don't pretend to speak for my neighbors or anything else, but this does directly affect me. I trust the committee to make the right decision, whatever that is, but I want to make sure there is an allotment for landscaping and appropriate border, whether that's fencing or whatever that might be, or maybe there's an allotment given to the residents to build their own border or landscaping to block whatever is built. I think it would make much more sense to have this conversation when we know what the plan is. That's why I think that

Mr. Shaw stated very well that, without having a real plan, it's hard to give our approval unconditionally. I do trust the committee; I just ask that whatever design is presented, there is an allotment for appropriate borders and landscaping. I think that's all I wanted to voice my concern over. This is the first time I heard about the splash park, which is maybe slightly concerning. When I think about the fact that the Leawood Park is one mile down the road with a splash park, I'm not exactly sure why we want to spend our tax dollars building a splash park. I'm open to listen. Once there's a plan, I will attend the Interact Meeting, which is probably more appropriate. With that said, I'll yield the rest of my time.

Chairman Elkins: Catherine Geller is on the line, but it appears we can't hear her, even though it says she is not muted.

Unidentified Speaker: I believe the microphone is not set up correctly with Zoom. (*Gives direction on setting up the microphone*)

Chairman Elkins: Ms. Geller, it appears this isn't working. If you want to try to call in, we'll come back to you. Thank you so much. I'm sorry our technology is challenging tonight.

Ellen Brown, 9614 High Drive, appeared before the Planning Commission and made the following comments:

Ms. Brown: I will just echo everything that Kerry Shaw said. We understand that there's going to be a Fire Station behind us. They've talked about that since before we bought our house. We're all fine with it. As far as a park goes, I thought the comment about neighbors being gung-ho about a park was interesting because since we've moved here, no one has ever asked us if we wanted a park. The first meeting we attended that we heard about a park asked what kind of park we wanted. It was never a question of wanting a park in our back yard, which we do not. I also agree with Kerry that it's one thing to have a backdoor neighbor; it's another thing to have complete strangers walking along your fence line in your back yard, not knowing who they are or what they're there for. That's very concerning. The biggest question is I'm trying to understand why, if there is no plan, how they know for sure that they need more space. That is all I have.

Chairman Elkins: Thank you. Ms. Geller, are you able to hear us?

Catherine Geller, appeared before the Planning Commission and made the following comments:

Ms. Geller: I want to thank all of you for taking the time to do this and Kerry for all he has done, along with all of my neighbors. I do have the house that is directly south of 9619 Lee Boulevard, the house that was taken down. My driveway, my front walk, and back yard face directly north to whatever would be built at that lot. Part of the confusion is that we don't know what the city might plan for that lot, whether it would impose on our privacy and noise and change the character of the neighborhood. A green space is

fine with all of us. I don't think anyone is opposed to a variance filed by the city for its own encroaching up to 10 feet with the Fire Station. As I understand from Mr. Lambers, they only need to come within 10 feet of 9619 Lee Boulevard. I don't think that 10 feet on the north side of that would impinge upon anyone with the one-story Fire Station. It could be that I will never be able to go into my garage privately again or entertain in my yard privately again, depending on what the city does with this lot. Several issues have not been addressed. Is this a needed joinder, or will the variance satisfy the requirement for the Fire Station to come within 10 feet of what I refer to as Susan's Lot? Is there a less restrictive means to accomplish the same goal as a variance? Is there a possibility of harm in having joinder at this point before some parameters and clarity are given as to what is to occur? Is there supposed to be a park where the old Fire Station is? Are they envisioning a museum or a quiet place that is not including parking lots and strangers looking into my home, my back yard, my garage? No one would want a house taken from next door to them and have their privacy destroyed. It not only destroys the land; it destroys your life. I think we are all concerned. The harm is the R-1 zoning that these plats are all zoned begs the question if we have a residential lot next to us and the zoning needs to change on a residential lot next to us at this time, will it still have to change in the future? If, by joinder, the vote that is required of the neighbors to do that if circumvented because, obviously, the Fire Station is going to take the priority and all of the plats joined will have to have the same zoning now, where at this particular point, they could be zoned differently, in effect, we will not have much say over what happens according to the current requirements. That is a concern. Is there even a possibility of harm in joinder, and is it the least-restrictive means to ensure that the Fire Station plans can go forward, which we all want, and that they can come within 10 feet of Susan's lot, which is not an issue with me because there happens to be a forced border of landscaping at this particular time? What we don't know is if that landscape border will be taken down so that all of the fire trucks will come within our vision. We just don't know anything; I guess that's just the bottom line. There is a possibility of harm at having joinder at this part, and it does not appear necessary from anything that was said, particularly when a variance would satisfy any existing need for the Fire Station plans to proceed. Is the vote of the neighbors, as required at this time prior to any rezoning of the lot next to me, still allowed with respect to a specific plat, separate from the other plats? The other plats are already used for public uses. Will the restrictions, deeds, and zoning of this plat be allowed to differ from the other plats? If not, then a plan needs to be set forth with just parameters. I'm not saying it needs every specific thing, but parameters of what is envisioned for this lot. Is the use going to be quiet and in character of the land, as a green space would be or the historic courthouse, or is it going to be a use that invades our privacy and allows people to look into my yard when I'm in my garage and affect the security and living of my family? I think you can probably all put yourself in that spot. It's a curious spot to be in, for sure, but the potential harm outweighs any need for a joinder at this point when a variance would suffice, and parameters are needed.

Chairman Elkins: Thank you; we appreciate your comments. I'll go back to Ms. Shaw. Do you care to be heard? Sounds like not. I think I saw something that indicated that Mr. Faulkner was away from the city, but I wanted to make sure he has the opportunity in

case he called in from wherever he is. If not, is there anyone else who wishes to be heard on Case 56-20? If not, do I hear a motion?

A motion to close the Public Hearing was made by Coleman; seconded by Block. Motion carried with a unanimous roll-call vote of 8-0. For: McGurren, Peterson, Hoyt, Belzer, Hunter, Coleman, Block, and Stevens.

Chairman Elkins: Does anyone from planning staff or city staff have comments, particularly with respect to the question about rezoning?

Mr. Lang: Rezoning isn't part of this application at this time, so we're just focusing on the re-platting. The Fire Station would be allowed in R-1 as it currently is. As far as any of the deed restrictions go, reflecting what Director Coleman said, it would be something the applicant and the HOA would have to work out as far as what they would be restricted on.

Chairman Elkins: The bottom line for me is if the citizens who spoke tonight will have a chance to have their views heard once a plan is actually proposed by the city for whatever use the city desire for the property.

Mr. Lang: Yes, they will absolutely have an Interact Meeting, and they'll have a chance at the Planning Commission during the Public Hearing.

Chairman Elkins: So, they'll have another opportunity at a Public Hearing to give us their thoughts when they see what plan is actually proposed.

Mr. Lang: Absolutely.

Chairman Elkins: Other questions?

Comm. Block: If this were to be rezoned in the future, would the rezoning have to run with the plat lines? Is there even a scenario where, if all these properties are combined into one as is before us, and it's decided down the road that the southern portion of this property is to become a park, it would have to be rezoned Recreation? It couldn't be a park and be R-1, correct?

Mr. Coleman: A public park is a permitted use in an R-1 zoning district. It wouldn't need to be rezoned. There will be a public planning process where all the neighbors and citizens who he an interest in whatever occurs here will be heard. The city hasn't gotten to that stage yet, but it will be coming up. My understanding is the city is going to hire an engineer and architect to design the Fire Station and plan for the property. At that time, everybody will have a chance to provide input on what should occur on this property.

Chairman Elkins: You came across a little garbled on a key point. Is a public park use appropriate in a district zoned R-1?

Mr. Coleman: Public uses are permitted uses in R-1 zoning districts. That's why schools are allowed in R-1 zoning, and so are all public properties. That's why the Fire Station was there before; that's why the Police Station was there before. There is no rezoning required, but there will be a Public Hearing and public planning process so everyone has a chance to give their input.

Comm. McGurren: Richard, it seems to me, to the point made earlier, if the applicant weren't the city, we'd be sitting here asking this of the applicant. In 1952, supposedly the Kroh brothers proposed and City Council approved the special section of land that is on the far northern portion of the property. Is there a scenario where that border could be left, the middle two lots lines could be removed, and the lot line that, at the moment, is to the north of 9619 could be moved to a point that would be similar to the point to the one that is drawn to the north? This would give a buffer zone on the far southern side like the people have on the far northern side and thus establishes one significant lot in the middle that is large enough to accommodate everything the city does but also continues to provide the buffer that they have to the north and could have to the south? Was that a possible option and somehow decided against?

Mr. Coleman: I think the city's intent is that this is a clean slate for the Fire Station development. It's why we didn't leave the cell tower there. Its lease was not renewed. That's why we tore out the old Police Station, and there's a possibility that the old City Hall might be moved. The old Fire Station might not be there, either. My understanding is the intent of this is just to remove the internal lot lines so we have a clean slate for development of this property. That would be a normal process for any developer.

Chairman Elkins: Thank you, Mr. Coleman. We'll move on to a discussion of the application to re-plat the five lots located south of 96th Street and east of Lee Boulevard.

Comm. Coleman: I'd like to echo Mr. Coleman's comments that this is the first step to creating the plan in order to get the five plots together so a proper plan can be done for the site. From my personal experience before joining the Planning Commission, I was on the Parks and Recreation Advisory Board for three years. I know that this tract of land has had the city's eye for a number of years to have a replacement for the Fire Station, as well as a park. That information is five-plus years ago. I think that's probably still the intent. The reason for that is North Leawood does not have a lot of parks, unlike Central or South Leawood. Anytime there is an opportunity to have open space in the north part of Leawood, the city wants to grab that opportunity. As far as I know, nothing has been decided, like if it will be more of a passive or active park. I know one of the concerns was parking or lack of parking for that site. This is the first step to creating a good plan for the site. The city will definitely engage the neighbors and the public. As far as I'm concerned, this is just the first step.

Comm. Block: I plan to vote in favor of this proposal. I think the clean slate is needed in order to properly develop this area. I think it will be too limiting with these property lines. I think input from the concerned residents is good. I know the city will take that into consideration, as I would if I were buying this and heard these comments about what

people wanted or didn't want on this property. I think that's going to go into the next step in the process. There were references in some of the comments about the amount of money that has already been spent on some of these parcels. I think it would be wasted money if multiple plans had to be drawn up to try to fit in these parcels. I think the LDO that we have to work within for any development in the city requires a lot of landscaping and berming, especially in these public areas. I think there's a school on 103rd that we considered not too long ago that raised concern about traffic lights and neighboring properties. We've dealt with tree easements or buffer zones between that and Ironhorse Park. I'm hopeful the city will take to heart all of these comments into their next steps in the process, and we'll see a plan presented to us in the future that will alleviate those concerns. I think this process needs to move forward so they can get a plan.

Comm. Hoyt: I just want to follow up on Commissioner Block's statement. In hearing from the residents and so forth, a big concern, understandably, is the establishment of some sort of buffer area for the residents that will be directly affected. As one measure of reassurance, I don't know that I've ever seen the city accept a plan that didn't have very good landscape buffers as opposed to what was there already. That is a chronic issue, and the city takes that very seriously with a high priority on maintaining mature trees if possible and, in fact, generally improving landscape buffers. Obviously, there is not a plan, but I would be stunned if that weren't a key consideration.

Chairman Elkins: Thank you. Other comments? If not, is there a motion?

A motion to recommend approval of CASE 56-20 – LEAWOOD FIRE STATION #1 & PARK – Request for approval of a Preliminary Plat and Final Plat, located south of 96th Street and East of Lee Boulevard – was made by Coleman; seconded by Block. Motion carried with a unanimous roll-call vote of 8-0. For: McGurren, Peterson, Hoyt, Belzer, Hunter, Coleman, Block, and Stevens.

Chairman Elkins: Is there any other business to come before the Planning Commission?

Comm. Coleman: I have a question for staff with regard to the work session coming up in two weeks.

Chairman Elkins: I think we'll discuss that once the meeting is adjourned. Any other business?

A motion to adjourn the meeting was made by Coleman; seconded by Block. Motion carried with a unanimous roll-call vote of 8-0. For: McGurren, Peterson, Hoyt, Belzer, Hunter, Coleman, Block, and Stevens.

Chairman Elkins: Thank you to the public for the participation this evening.

MEETING ADJOURNED

RESOLUTION NO. _____

RESOLUTION APPROVING A PRELIMINARY PLAT AND FINAL PLAT FOR THE LEAWOOD FIRE STATION #1 AND PARK, LOCATED SOUTH OF 96TH STREET AND EAST OF LEE BOULEVARD. (PC CASE 56-20)

WHEREAS, the applicant submitted a request for approval of a Preliminary Plat and Final Plat;

WHEREAS, such request for approval was submitted to the Planning Commission on July 28, 2020; and

WHEREAS, the Planning Commission reviewed the application and recommended approval with certain stipulations.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF THE CITY OF LEAWOOD, KANSAS:

SECTION ONE: The Governing Body hereby approves the applicant's request and the Planning Commission's recommendation of approval for said Preliminary Plat and Final Plat subject to the following stipulations:

1. This approval is limited to a Preliminary & Final Plat combining five lots (Lots 115, 116, 117, 118, and 119) within Leawood Estates residential subdivision into one lot.
2. In addition to the stipulations listed in the report, the developer/property owner agrees to abide by all ordinances of the City of Leawood including the Leawood Development Ordinance, unless a deviation has been granted, and to execute a statement acknowledgement in writing that they agree to stipulations one through two.

SECTION TWO: This resolution shall become effective upon passage.

PASSED by the Governing Body this 17th day of August, 2020.

APPROVED by the Mayor this 17th day of August, 2020.

[SEAL]

Peggy J. Dunn, Mayor

ATTEST:

Kelly L. Varner, City Clerk

APPROVED AS TO FORM:

Marcia L. Knight, Assistant City Attorney