



**CITY OF SEWARD
City Council
Regular Meeting
Agenda**

Tuesday, September 15, 2026

7:00 PM

Municipal Building Council Chambers

NOTICE IS HEREBY GIVEN that a meeting of the City Council of the City of Seward, Nebraska will be held at 7:00 PM on Tuesday, September 15, 2026, in the Council Chambers, 142 N 7th Street, Seward, Nebraska in which the meeting will be open to the public. The Mayor and City Council reserve the right to adjourn into Closed Session as per Section 84-1410 of the Nebraska Revised Statutes. An Agenda for such meeting, kept continually current, is available at the Office of the City Clerk, 537 Main Street, Seward, Nebraska, during normal business hours. Individuals requiring physical or sensory accommodations, who desire to attend or participate, please contact the City Clerk's Office at 402.643.2928 no later than 3:30 PM on the Friday preceding the Council Meeting. City financial claims and related invoices will be available for Council member review, audit, and voluntary signatures at the meeting location beginning 30 minutes prior to the scheduled meeting time.

CALL TO ORDER

PLEDGE OF ALLEGIANCE

DISCLOSURE OF OPEN MEETINGS ACT & OTHER NOTIFICATIONS

This is an Open Meeting of the Seward Nebraska Governing Body. The City of Seward abides by the Nebraska Open Meetings Act in conducting business. A copy of the Nebraska Open Meetings Act is displayed on the north wall of this meeting room facility as required. Disclosure of meeting recording processes is posted in the Meeting Room. Any citizen may address the Council regarding items included on the meeting agenda and are asked to complete and hand-in a Speaker Card to the Clerk. Presenters shall approach the podium, state their name & address for the Clerk's record and are asked to limit remarks to five minutes. All remarks shall be directed to the Mayor who shall determine by whom any appropriate response shall be made. The City of Seward reserves the right to adjust the order of items on this Agenda if necessary and may elect to take action on any of the items listed.

ROLL CALL

CONSENT AGENDA

1. City Codes Director Report

CURRENT YEAR: August 2026

Permits	Quantity	Permit Fee	Valuation
NEW CONST.	3	\$ 45,029.37	\$ 5,831,628.08
REMODEL/ADDIT.	6	\$ 148,015.75	\$ 148,015.75
ACCESSORY	21	\$ 2,042.52	\$ 83,030.80
RELOCATE	5	\$ 100.00	\$ 70,313.77
ELECTRIC			
PLUMBING	2	\$ 480.00	
MECHANICAL	9	\$ 2,724.18	
SEWER TAP	1	\$ 250.00	
TEMP. WATER	1	\$ 120.00	
WATER TAP	1	\$ 838.00	
TEMP. ELEC.	1	\$ 50.00	
ELECTRIC SER.	1	\$ 200.00	
TOTALS	51	\$ 199,849.82	\$ 6,132,988.40

YEAR TO DATE January to December 2026

Permits	Quantity	Permit Fee	Valuation
NEW CONST.	23	\$ 94,091.93	\$ 14,353,727.02
REMODEL/ADDIT.	71	\$ 174,477.33	\$ 12,161,487.79
ACCESSORY	91	\$ 9,007.47	\$ 2,124,674.69
RELOCATE	28	\$ 1,507.00	\$ 500,269.67
ELECTRIC		\$ -	\$ -
PLUMBING	61	\$ 5,975.00	\$ -
MECHANICAL	63	\$ 8,549.18	\$ -
SEWER TAP	18	\$ 4,050.00	\$ -
TEMP. WATER	16	\$ 1,920.00	\$ -
WATER TAP	18	\$ 14,246.00	\$ -
TEMP. ELEC.	16	\$ 800.00	\$ -
ELECTRIC SER.	19	\$ 3,400.00	\$ -
TOTALS	424	\$ 318,023.91	\$ 29,140,159.17

LAST YEAR: August 2025

Permits	Quantity	Permit Fee	Valuation
NEW CONST.	1	\$ 2,570.90	\$ 435,077.20
REMODEL/ADDIT.	9	\$ 1,147.40	\$ 810,821.76
ACCESSORY	4	\$ 51.20	\$ 6,716.00
RELOCATE	4	\$ 150.00	\$ 33,850.00
ELECTRIC		\$ -	\$ -
PLUMBING	8	\$ 730.00	\$ -
MECHANICAL	7	\$ 975.00	\$ -
SEWER TAP	2	\$ 500.00	\$ -
TEMP. WATER	1	\$ 120.00	\$ -
WATER TAP	1	\$ 1,676.00	\$ -
TEMP. ELEC.	2	\$ 50.00	\$ -
ELECTRIC SER.	1	\$ 200.00	\$ -
TOTALS	40	\$ 8,170.50	\$ 1,286,464.96

YEAR TO DATE January to December 2025

Permits	Quantity	Permit Fee	Valuation
NEW CONST.	21	\$ 81,322.68	\$ 33,734,681.37
REMODEL/ADDIT.	81	\$ 12,095.23	\$ 3,213,574.13
ACCESSORY	69	\$ 2,637.08	\$ 505,265.89
RELOCATE	40	\$ 3,927.70	\$ 1,644,670.25
ELECTRIC		\$ -	\$ -
PLUMBING	80	\$ 6,505.00	\$ -
MECHANICAL	44	\$ 6,451.00	\$ -
SEWER TAP	17	\$ 4,050.00	\$ -
TEMP. WATER	14	\$ 1,680.00	\$ -
WATER TAP	17	\$ 16,852.00	\$ -
TEMP. ELEC.	15	\$ 750.00	\$ -
ELECTRIC SER.	16	\$ 5,700.00	\$ -
TOTALS	414	\$ 141,970.69	\$ 39,098,191.64

OPEN Property Maintenance Code Violation Report

					9/14/2026
Property Address	Violation Type	Deadline	Owner Information	Delivery Type	Status
2026					
430 N 2nd	Weeds	9/21/2026	Gerwick Trustee		
446 N 5th	Dilapidated structure, rubbish	9/20/2026	Sandy Nuttleman	Phone Call	CSO Arena made contact with owner. The garage door has been cover with a tarp.
604 N 6th Street	Bushes over Sidewalk	9/2/2026	Janet Dobrusky	Phone Call	Dworak made contact with Art Dobrusky. Dobrusky stated he will get it trimmed and taken care of.
	Grass	9/6/2026	Beckler Imprement	Phone Call	CSO Arena made contact with the owners. They stated they will get it taken car of this week. CSO Arena verified it has been mowed September 3.
921 N 7th St	Trashed furniture	7/31/2026	Pass Go Real Estate		CSO Arena confirmed removal of the furniture as of 8-10-2026
437 S 6th St	Protective coating, roof covering, trash		Verlin Miller 2326 Holdrege Rd Milford, NE 68405	In person	8/10 Property is scheduled as a training burn Saturday 8/15. 7/15 Property has been sold to the neighbor and closed on July 2nd. Chief Mifflin is in contact with the new owners and scheduling a training burn by end of August. Andy Hartman has been contracted to clean the site after the burn has been completed.All utilities have been disconnected.
250 Shannon Rd	Weeds	6/15/2026	Vicki Hiser	Phone Call	CSO Arena made contact with the owner. Informed her that everything needed to be less than a foot tall, and it needed to be done my Monday.
2945 Progressive	Grass	6/15/2026	Hung Dao	Phone Call	CSO Arena made contact with the owner. Informed the owner they have till Monday to get it mowed or the City will come and do it. CSO Arena told the owner, going forward a notice will be posted on the property for notification.
804 Twin Oaks Rd	Grass	6/15/2026	LE Family Estates	Phone Call	CSO Arena made contact with the owner. Informed the owner they have till Monday to get it mowed or the City will come and do it. CSO Arena told the owner, going forward a notice will be posted on the property for notification.

OPEN Property Maintenance Code Violation Report

811 Twin Oaks Rd	Grass	6/3/2026	Twin Oaks Place, Randy Skillin Dallas Waller, Manager	Phone Call/In Person/Letter	CSO Arena made contact with the property manager and stated the grass needed to be mowed by May 26th. It was not completed. A letter was mailed and posted June 3rd stating they have 3 days to mow. It was mowed by the given timeframe.
2945 Progressive	Grass	5/20/2026	Hung Dao	Phone Call	CSO Arena made contract with the owner. He stated that it needs to be done by next week. It was mowed over the weekend.
804 Twin Oaks Rd	Grass	5/20/2026	LE Family Estates	In Person	CSO Arena made contact with one of the tenants. They stated each tenant had a specific area to maintain. CSO Arena stated it needs to be done by next week. They tenants mowed over the weekend.
725 N 6th St	Grass/Weeds/Tree Limb	5/20/2026	Webs Rentals	Phone Call	CSO Arena made contact with the owner. The owner stated he will have the tenants mow. If the don't the owner will get it done by the deadline
739 N 6th Street	Grass/Weeds	5/20/2026	William Hudson	Phone Call	CSO Arena made contact with the owner and stated they had through the weekend to get the yard taken care of.
757 N 6th Street	Truck Parking Across Sidewalk	5/20/2026	Loretta Jelinek	In Person	Tim Dworak made contact with the family. The truck was moved on 5-16-2026
1669 Eastridge Ave	Nuisance and rodent issue		Jane Allenback	In person	CSO Arena made contact. After review of the property Arena made contact with Aging Services and TASC for assistance in cleaning up the poperty. Arena is expecting a follow up report and progress time line for clean up no later than Friday 4/17
320 Lincoln St Apt 6	Egress Window	4/9/2026	SVP Properties 6830 Marcus Rd Lincoln NE 68516	Certified Mail	Tenant stated their bedroom window is no longer operable. 3-5-2026 Dworak and Officer Garcia met with the tenant to inspect the window. The window as not operable and was nailed shut. Letters are going out the week of 3-9-2026 to the SVP Properties (owner) and Arrow Capital (property management).

OPEN Property Maintenance Code Violation Report

709 S Columbia Ave	Storm damaged accessory garage	4/6/2026	Arnold Wied	In Person	The Family decided to no longer have Gary Rolf help with the removal. A letter was sent on Friday 3-6-2026 informing the current owner it needs to be fixed or remvoed. Gary Rolf with help from the family has organized a group of individuals to remove the building and clean the site.No permit has been issued and no date has been set for the demolition.
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2. City Treasurer Report

Pledges By Pledgee And Maturity



Pledged To: CITY TREASURER

Jones Bank - Seward, NE

As Of 8/31/2026

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Receipt# Safekeeping Location	CUSIP	ASC 320	Description Maturity	Prerefund	Pool/Type Coupon	Moody S&P	Original Face Pledged Percent	Pledged		Market Value
								Original Face	Par	
COMM: COMMERCE BANK	148006EZ8	AFS	CASS CO SD #1 NE 26 12/15/26		2.35		200,000.00 100.00%	200,000.00	200,000.00	198,572.00
COMM: COMMERCE BANK	25932KCL7	AFS	DOUGLAS SID #404-REF NE 27 08/15/27		1.75		225,000.00 100.00%	225,000.00	225,000.00	222,378.75
COMM: COMMERCE BANK	869325CL2	AFS	SUTHERLAND -REF NE 28 06/15/28		0.95		140,000.00 100.00%	140,000.00	140,000.00	131,896.80
COMM: COMMERCE BANK	25932KCM5	AFS	DOUGLAS SID #404-REF NE 28 08/15/28		1.85		230,000.00 100.00%	230,000.00	230,000.00	224,024.60
COMM: COMMERCE BANK	25933AFG6	AFS	DOUGLAS SID #492-REF NE 28 08/15/28		3.20		175,000.00 100.00%	175,000.00	175,000.00	172,098.50
COMM: COMMERCE BANK	123540GD2	AFS	BUTLER CO SD - 0056 NE 28 12/15/28		1.35		150,000.00 100.00%	150,000.00	150,000.00	139,681.50
COMM: COMMERCE BANK	80373YCT1	AFS	SARPY CO SID #158-REF NE 29 11/15/29		3.10		155,000.00 100.00%	155,000.00	155,000.00	149,520.75
COMM: COMMERCE BANK	920340BQ8	AFS	VALPARAISO RURAL FIRE NE 3C 07/15/30		2.10		75,000.00 100.00%	75,000.00	75,000.00	68,037.00
COMM: COMMERCE BANK	486890X92	AFS	KEARNEY NE 30 10/15/30		2.60	A+	150,000.00 100.00%	150,000.00	150,000.00	140,719.50
COMM: COMMERCE BANK	0792124W3	AFS	BELLEVUE-REF NE 30 12/15/30		3.10		250,000.00 100.00%	250,000.00	250,000.00	248,517.50
COMM: COMMERCE BANK	751265RA9	AFS	RALSTON-VEHICLE NE 32 06/01/32		3.70		300,000.00 100.00%	300,000.00	300,000.00	300,105.00
COMM: COMMERCE BANK	25932WDR7	AFS	DOUGLAS CO #517 NE 32 08/15/32		2.70		235,000.00 100.00%	235,000.00	235,000.00	217,950.75
COMM: COMMERCE BANK	661615UB8	AFS	N PLATTE-REF NE 32 12/15/32		3.00	A+	200,000.00 100.00%	200,000.00	200,000.00	194,020.00

Although the information in this report has been obtained from sources believed to be reliable, its accuracy cannot be guaranteed.

8/27/2026 7:11 AM - BLA / JNBT

BBA - Baker Bond Accounting ®

The Baker Group Software Solutions, Inc.

Pledges By Pledgee And Maturity



Pledged To: CITY TREASURER

Jones Bank - Seward, NE

As Of 8/31/2026

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Receipt# Safekeeping Location	CUSIP	ASC 320	Description Maturity	Prerefund	Pool/Type Coupon	Moody S&P	Original Face Pledged Percent	Pledged			
								Original Face	Par	Book Value	Market Value
COMM: COMMERCE BANK	80378TEW8	AFS	SARPY SID #257-REF NE 33 10/15/33		3.85		250,000.00 100.00%	250,000.00	250,000.00	250,000.00	236,545.00
COMM: COMMERCE BANK	698864HR9	AFS	PAPILLION MUNI FACS NE 33 12/15/33		3.00	Aa1	175,000.00 100.00%	175,000.00	175,000.00	175,000.00	166,853.75
COMM: COMMERCE BANK	818468BN9	AFS	SEWARD-REF NE 33 12/15/33		2.35	AA	400,000.00 100.00%	400,000.00	400,000.00	400,000.00	368,764.00
COMM: COMMERCE BANK	943776KA1	AFS	WAVERLY NE 34 06/01/34		2.95		335,000.00 100.00%	335,000.00	335,000.00	335,000.00	290,404.80
COMM: COMMERCE BANK	840372SX5	AFS	SOUTH SIOUX CITY-REF NE 36 08/01/36		2.20		200,000.00 100.00%	200,000.00	200,000.00	200,000.00	178,496.00
COMM: COMMERCE BANK	25929PDW6	AFS	DOUGLAS SID #491-REF NE 36 09/15/36		2.60		200,000.00 100.00%	200,000.00	200,000.00	200,000.00	162,184.00
COMM: COMMERCE BANK	80378EDN2	AFS	SARPY SID #263-REF NE 36 09/15/36		3.80		260,000.00 100.00%	260,000.00	260,000.00	260,000.00	242,788.00
COMM: COMMERCE BANK	98676TCF8	AFS	YORK NE-B-REF NE 36 10/01/36		1.85		200,000.00 100.00%	200,000.00	200,000.00	199,089.89	145,886.00
COMM: COMMERCE BANK	23087RHC5	AFS	CUMING CO-B-REF NE 36 12/15/36		2.00		250,000.00 100.00%	250,000.00	250,000.00	250,000.00	203,087.50
COMM: COMMERCE BANK	68905WFK3	AFS	OTOE CO NE SD #501-B NE 36 12/15/36		1.70	Aa2	200,000.00 100.00%	200,000.00	200,000.00	200,000.00	153,064.00
COMM: COMMERCE BANK	803787DT4	AFS	SARPY CO SD#46 NE 36 12/15/36		2.00	AA-	200,000.00 100.00%	200,000.00	200,000.00	200,000.00	158,806.00
COMM: COMMERCE BANK	25938WBX0	AFS	DOUGLAS CO SID #562 NE 37 06/01/37		3.85		320,000.00 100.00%	320,000.00	320,000.00	320,000.00	282,438.40
COMM: COMMERCE BANK	80377XCV4	AFS	SARPY CO SID #190-REF NE 37 10/15/37		4.00		205,000.00 100.00%	205,000.00	205,000.00	205,000.00	190,188.75

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Receipt# Safekeeping Location	CUSIP Location	ASC 320 Description Maturity	Prerefund	Pool/Type Coupon	Moody S&P	Original Face Pledged Percent	Pledged		Market Value
							Original Face	Par	
COMM: COMMERCE BANK	25929RCY9	AFS DOUGLAS CO SID #485 NE 38	05/15/38	2.65		200,000.00 100.00%	200,000.00	200,000.00	149,416.00
COMM: COMMERCE BANK	25933VBY5	AFS DOUGLAS CO SANTN 559 NE 38	06/15/38	4.10		165,000.00 100.00%	165,000.00	165,000.00	151,950.15
COMM: COMMERCE BANK	25932EDK2	AFS DOUGLAS CO SID #438 NE 38	08/15/38	4.20		250,000.00 100.00%	250,000.00	250,000.00	250,165.00
COMM: COMMERCE BANK	80373RDR9	AFS SARPY CO DT #220-REF NE 38	08/15/38	4.05		170,000.00 100.00%	170,000.00	170,000.00	162,001.50
COMM: COMMERCE BANK	80387LAP3	AFS SARPY CO SAN & IMP DT NE 38	08/15/38	2.75		290,000.00 100.00%	290,000.00	290,000.00	217,172.30
COMM: COMMERCE BANK	72778PCU5	AFS PLATTE CO SD #5 NE 38	12/15/38	2.00	AA-	200,000.00 100.00%	200,000.00	200,000.00	147,936.00
COMM: COMMERCE BANK	80379KDH0	AFS SARPY CO SID #272-REF NE 38	12/15/38	4.40		215,000.00 100.00%	215,000.00	215,000.00	202,491.30
COMM: COMMERCE BANK	25934MCK3	AFS DOUGLAS SID #531-REF NE 39	01/15/39	4.35		200,000.00 100.00%	200,000.00	200,000.00	187,058.00
COMM: COMMERCE BANK	25936ECH6	AFS DOUGLAS CO SID #561 NE 39	01/15/39	4.35		180,000.00 100.00%	180,000.00	180,000.00	168,352.20
COMM: COMMERCE BANK	25930BEE3	AFS DOUGLAS CO SID #504 NE 39	08/15/39	3.40		215,000.00 100.00%	215,000.00	215,000.00	186,669.45
COMM: COMMERCE BANK	25931EGP9	AFS DOUGLAS CO SAN #503 NE 39	08/15/39	2.65		225,000.00 100.00%	225,000.00	225,000.00	163,311.75
COMM: COMMERCE BANK	80373XBC1	AFS SARPY CO SAN & IMPT NE 39	08/15/39	2.60		200,000.00 100.00%	200,000.00	200,000.00	143,688.00
COMM: COMMERCE BANK	80373YDV5	AFS SARPY CO SID#158-REF NE 39	08/15/39	2.95		190,000.00 100.00%	190,000.00	190,000.00	174,395.30

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Receipt# Safekeeping Location	CUSIP	ASC 320	Description Maturity	Prerefund	Pool/Type Coupon	Moody S&P	Original Face Pledged Percent	Pledged		Book Value	Market Value
								Original Face	Par		
COMM: COMMERCE BANK	25931BEJ1	AFS	DOUGLAS SID #507-REF NE 40 05/01/40		3.15		185,000.00 100.00%	185,000.00	185,000.00	185,000.00	139,477.05
COMM: COMMERCE BANK	25933VDM9	AFS	DOUGLAS CO SD #559 NE 40 05/15/40		3.40		175,000.00 100.00%	175,000.00	175,000.00	175,000.00	166,719.00
COMM: COMMERCE BANK	25930LDG7	AFS	DOUGLAS CO NE SID#530 NE 40 09/15/40		3.00		150,000.00 100.00%	150,000.00	150,000.00	150,000.00	121,167.00
COMM: COMMERCE BANK	25933EEG9	AFS	DOUGLAS CO SAN & IMPT NE 4C 11/15/40		3.15		190,000.00 100.00%	190,000.00	190,000.00	190,000.00	170,692.20
COMM: COMMERCE BANK	80388MBJ3	AFS	SARPY CNTY SANITATION NE 4C 12/15/40		4.00		240,000.00 100.00%	240,000.00	240,000.00	240,000.00	197,275.20
COMM: COMMERCE BANK	617775EV9	AFS	MORRILL CO NE 41 06/15/41		2.25		240,000.00 100.00%	240,000.00	240,000.00	240,000.00	159,388.80
COMM: COMMERCE BANK	25936EDY8	AFS	DOUGLAS CO SID #561 NE 41 07/15/41		2.90		235,000.00 100.00%	235,000.00	235,000.00	235,000.00	190,227.80
COMM: COMMERCE BANK	25939LDA1	AFS	DOUGLAS CO SID #567 NE 41 07/15/41		2.75		200,000.00 100.00%	200,000.00	200,000.00	200,000.00	130,896.00
COMM: COMMERCE BANK	25930LDN2	AFS	DOUGLAS CO SAN #530 NE 41 08/15/41		2.85		200,000.00 100.00%	200,000.00	200,000.00	200,000.00	140,276.00
COMM: COMMERCE BANK	80379QBT3	AFS	SARPY CO NE SAN-REF NE 41 08/15/41		2.75		255,000.00 100.00%	255,000.00	255,000.00	255,000.00	176,329.95
COMM: COMMERCE BANK	80387LAS7	AFS	SARPY CO SAN & IMP DT NE 41 08/15/41		2.90		200,000.00 100.00%	200,000.00	200,000.00	200,000.00	141,264.00
COMM: COMMERCE BANK	25938MDE2	AFS	DOUGLAS CO SAN & IMPT NE 41 09/01/41		2.80		200,000.00 100.00%	200,000.00	200,000.00	200,000.00	139,692.00
COMM: COMMERCE BANK	25933EFW3	AFS	DOUGLAS CO NE SAN-B NE 41 09/15/41		2.85		235,000.00 100.00%	235,000.00	235,000.00	235,000.00	164,615.15

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Receipt# Safekeeping Location	CUSIP	ASC 320	Description Maturity	Prerefund	Pool/Type Coupon	Moody S&P	Original Face Pledged Percent	Pledged			
								Original Face	Par	Book Value	Market Value
COMM: COMMERCE BANK	25939HCU7	AFS	DOUGLAS CO SID#563 NE 41 11/15/41		2.85		200,000.00 100.00%	200,000.00	200,000.00	200,000.00	143,378.00
COMM: COMMERCE BANK	119483EL5	AFS	BUFFALO CO SD #0009 NE 41 12/15/41		2.00	A1	200,000.00 100.00%	200,000.00	200,000.00	194,998.23	143,706.00
COMM: COMMERCE BANK	259327W42	AFS	DOUGLAS CO SD #17 NE 41 12/15/41		4.00	AA	250,000.00 100.00%	250,000.00	250,000.00	251,695.73	236,880.00
COMM: COMMERCE BANK	25932XDN4	AFS	DOUGLAS CO NE SID-REF NE 41 12/15/41		2.75		250,000.00 100.00%	250,000.00	250,000.00	250,000.00	202,017.50
COMM: COMMERCE BANK	25940KAS4	AFS	SID DOUGLAS #596-REF NE 41 12/15/41		2.75		275,000.00 100.00%	275,000.00	275,000.00	275,000.00	190,366.00
COMM: COMMERCE BANK	808290FV7	AFS	SCHUYLER NE 42 03/15/42		2.75		250,000.00 100.00%	250,000.00	250,000.00	250,000.00	175,507.50
COMM: COMMERCE BANK	80376KBN2	AFS	SARPY CO SID #334 NE 42 05/15/42		3.70		215,000.00 100.00%	215,000.00	215,000.00	215,000.00	179,630.35
COMM: COMMERCE BANK	25932XE6	AFS	DOUGLAS CO SID #524 NE 42 09/15/42		4.65		250,000.00 100.00%	250,000.00	250,000.00	250,000.00	231,112.50
COMM: COMMERCE BANK	25929MEM4	AFS	DOUGLAS CO SID #405-R NE 42 11/15/42		3.55		250,000.00 100.00%	250,000.00	250,000.00	250,000.00	192,382.50
COMM: COMMERCE BANK	006058DK4	AFS	ADAMS CO NE 42 12/15/42		4.00	AA-	300,000.00 100.00%	300,000.00	300,000.00	302,053.74	287,364.00
COMM: COMMERCE BANK	80387HCA3	AFS	SARPY CO SID #304 NE 43 05/15/43		5.00		200,000.00 100.00%	200,000.00	200,000.00	200,000.00	182,312.00
COMM: COMMERCE BANK	3132DMPY5	AFS	FRLMC 30YR 03/01/50		SD0439 3.50		1,000,000.00 100.00%	1,000,000.00	468,308.82	508,892.39	418,752.38
64 Securities Pledged To: 1010 - CITY TREASURER								14,725,000.00	14,193,308.82	14,231,729.98	12,113,064.68

CASH IN BANK \$8,611,827.15

Although the information in this report has been obtained from sources believed to be reliable, its accuracy cannot be guaranteed.

8/27/2026 7:11 AM - BLA / JNBT

SGrp STyp Loc/PI	CUSIP Description S&P	Moody	Rate	Ticket-P#	Call Type Next Call Dt Call Price	Maturity Dt Issue Dt Intent	Total Face Total Par	Pledged Face % of Total	Pledge Values			
									Par Value Book Value	Carrying Value Interest Rec	Market Value Collateral Value	
PLEDGEE: CITY OF SEWARD (02)												
GNMA	36176W2B6		4.000	185168920-1		12/15/2026						
GNMA	GNMA POOL 778670					12/1/2011	560,000.00	560,000.00	702.06	701.30	701.30	701.30
D02/02						AFS	702.06	100.00%	703.30	2.34	703.64	703.64
MBS	3128CUV29		2.500	177020851-1		2/1/2033						
FGLM	FHLMC POOL G30633					2/1/2013	1,000,000.00	1,000,000.00	104,381.82	98,702.80	98,702.80	98,702.80
D02/02						AFS	104,381.82	100.00%	107,616.14	217.46	98,920.26	98,920.26
MBS	3128MDW74		3.500	177039340-1		12/1/2028						
FGLM	FHLMC POOL G14970					12/1/2013	1,450,000.00	1,450,000.00	45,643.04	45,280.66	45,280.66	45,280.66
D02/02						AFS	45,643.04	100.00%	46,451.25	133.13	45,413.75	45,413.75
MBS	3128Q0GL5		4.000	185147609-1		5/1/2027						
FGLM	FHLMC POOL J19203					5/1/2012	425,000.00	425,000.00	1,436.87	1,433.29	1,433.29	1,433.29
D02/02						AFS	1,436.87	100.00%	1,443.67	4.79	1,438.08	1,438.08
MBS	31329KRS5		3.000	177051131-1		4/1/2033						
FGLM	FHLMC POOL ZA2297					9/1/2018	1,000,000.00	1,000,000.00	103,815.40	97,617.15	97,617.15	97,617.15
D02/02						AFS	103,815.40	100.00%	100,528.01	259.54	97,876.65	97,876.65
MBS	3132A8S34		2.500	177051143-1		1/1/2031						
FGLM	FHLMC POOL ZS7738					9/1/2018	860,000.00	860,000.00	79,394.39	76,667.34	76,667.34	76,667.34
D02/02						AFS	79,394.39	100.00%	77,265.75	165.40	76,832.71	76,832.71
MBS	3138EJLQ9		4.000	185159924-1		7/1/2027						
FNMA	FNMA POOL AL2134					7/1/2012	443,000.00	443,000.00	1,501.14	1,492.04	1,492.04	1,492.04
D02/02						AFS	1,501.14	100.00%	1,508.71	5.00	1,497.04	1,497.04
MBS	3138EKR9		3.500	185160071-1		2/1/2028						
FNMA	FNMA POOL AL3191					2/1/2013	500,000.00	500,000.00	2,653.65	2,635.12	2,635.12	2,635.12
D02/02						AFS	2,653.65	100.00%	2,673.70	7.74	2,642.88	2,642.88
MBS	3138EIXJ9		5.500	177039338-1		1/1/2034						
FNMA	FNMA POOL AL3380					3/1/2013	2,000,000.00	2,000,000.00	111,146.98	112,135.76	112,135.76	112,135.76
D02/02						AFS	111,146.98	100.00%	119,298.72	509.42	112,645.11	112,645.11
MBS	3138ELYF4		4.000	185160221-1		10/1/2028						
FNMA	FNMA POOL AL4309					10/1/2013	1,000,000.00	1,000,000.00	6,552.38	6,523.02	6,523.02	6,523.02
D02/02						AFS	6,552.38	100.00%	6,625.41	21.84	6,544.86	6,544.86

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Cattle Bank & Trust (052)
Investment Portfolio (1)

Pledged Securities Detail
August 31, 2026

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Report Sequence: sgrp, CUSIP, Ticket

SGrp STyp Loc/PI	CUSIP Description S&P	Moody	Rate	State	Ticket-P#	Call Type Next Call Dt Call Price	Maturity Dt Issue Dt Intent	Total Face Total Par	Pledged Face % of Total	Pledge Values			Carrying Value Interest Rec	Market Value Collateral Value
										Par Value Book Value	Paid Value Book Value			
MBS	3138EMCY5		4.000		185160242-1		2/1/2027	575,000.00	575,000.00	54.56	54.56		54.40	54.40
FNMA	FNMA POOL AL4586						12/1/2013							
D02/02							AFS	54.56	100.00%	54.72	54.72		0.18	54.58
MBS	3138EMPD7		3.500		184006560-1		3/1/2029	2,000,000.00	631,641.94	19,177.20	19,177.20		19,026.86	19,026.86
FNMA	FNMA POOL AL4919						2/1/2014							
D02/02							AFS	60,721.74	31.58%	19,538.70	19,538.70		55.94	19,082.79
MBS	3138EQSH1		3.500		176002956-1		11/1/2030	1,050,000.00	1,050,000.00	79,851.15	79,851.15		77,085.80	77,085.80
FNMA	FNMA POOL AL8047						1/1/2016							
D02/02							AFS	79,851.15	100.00%	82,311.67	82,311.67		232.90	77,318.70
MBS	3138WDU82		3.000		178000698-1		1/1/2030	1,160,000.00	1,160,000.00	49,425.66	49,425.66		48,303.65	48,303.65
FNMA	FNMA POOL AS4206						12/1/2014							
D02/02							AFS	49,425.66	100.00%	50,418.68	50,418.68		123.56	48,427.21
MBS	3140FBGJ3		2.000		177051139-1		7/1/2031	1,375,000.00	1,375,000.00	153,086.63	153,086.63		145,826.39	145,826.39
FNMA	FNMA POOL BD3800						7/1/2016							
D02/02							AFS	153,086.63	100.00%	148,242.76	148,242.76		255.14	146,081.53
MBS	3140J5EA3		2.500		177039342-1		12/1/2029	1,750,000.00	1,750,000.00	86,559.94	86,559.94		84,225.29	84,225.29
FNMA	FNMA POOL BM1028						3/1/2017							
D02/02							AFS	86,559.94	100.00%	87,531.85	87,531.85		180.33	84,405.62
MBS	3140J5EA3		2.500		185164038-1		12/1/2029	300,000.00	300,000.00	14,838.85	14,838.85		14,438.62	14,438.62
FNMA	FNMA POOL BM1028						3/1/2017							
D02/02							AFS	14,838.85	100.00%	14,861.43	14,861.43		30.91	14,469.53
MBS	31418AAC2		3.000		185165786-1		11/1/2026	1,000,000.00	1,000,000.00	715.81	715.81		713.19	713.19
FNMA	FNMA POOL MA0902						10/1/2011							
D02/02							AFS	715.81	100.00%	716.07	716.07		1.79	714.98
MBS	31418AKN7		3.000		177011537-1		10/1/2032	800,000.00	800,000.00	58,377.73	58,377.73		55,779.28	55,779.28
FNMA	FNMA POOL MA1200						9/1/2012							
D02/02							AFS	58,377.73	100.00%	60,212.52	60,212.52		145.94	55,925.22
MBS	31418AVK1		3.000		177039341-1		7/1/2028	1,000,000.00	1,000,000.00	28,045.48	28,045.48		27,709.30	27,709.30
FNMA	FNMA POOL MA1517						6/1/2013							
D02/02							AFS	28,045.48	100.00%	28,279.54	28,279.54		70.11	27,779.41
MBS	31418B5R3		4.000		177020853-1		6/1/2036	410,000.00	410,000.00	59,096.32	59,096.32		57,013.88	57,013.88
FNMA	FNMA POOL MA2655						5/1/2016							
D02/02							AFS	59,096.32	100.00%	62,084.44	62,084.44		196.99	57,210.87

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Cattle Bank & Trust (052)
Investment Portfolio (1)

Pledged Securities Detail
August 31, 2026

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Report Sequence: sgrp, CUSIP, Ticket

SGrp STyp Loc/Pl	CUSIP Description S&P	Rate	Moody	Ticket-P#	Call Type Next Call Dt Call Price	Maturity Dt Issue Dt Intent	Total Face Total Par	Pledged Face % of Total	Pledge Values		
									Par Value Book Value	Carrying Value Interest Rec	Market Value Collateral Value
MBS	31418DRM6	2.000		177046216-1		8/1/2030					
FNMA	FNMA POOL MA4091					7/1/2020	610,000.00	610,000.00	104,495.17	100,847.56	100,847.56
D02/02						AFS	104,495.17	100.00%	102,702.70	174.16	101,021.72
MBS	31418EA83	1.500		177048016-1		2/1/2032					
FNMA	FNMA POOL MA4530					1/1/2022	179,142.00	167,163.35	69,475.24	64,965.62	64,965.62
D02/02						AFS	74,453.72	93.31%	67,129.31	86.85	65,052.47
MUNI	25887CAZ1	2.250		177039343-1	Cont	1/1/2034					
GO	DOUGLAS CNTY NEB S&I #540				1/1/2027	1/5/2022	120,000.00	120,000.00	120,000.00	99,471.63	99,471.63
D02/02					100.000	AFS	120,000.00	100.00%	120,000.00	450.00	99,921.63
MUNI	259290EB6	3.100		185142828-1	Contin	8/15/2030					
GO	DOUGLAS CNTY NE SAN & IMPT DIS				9/1/2026	6/15/2016	150,000.00	150,000.00	150,000.00	142,686.49	142,686.49
D02/02					100.000	AFS	150,000.00	100.00%	150,000.00	206.67	142,893.16
MUNI	259305DT4	2.500		178003867-1	Cont	3/1/2036					
GO	DOUGLAS CNTY NEB S&I #499				3/1/2027	3/1/2022	150,000.00	150,000.00	150,000.00	119,788.83	119,788.83
D02/02					100.000	AFS	150,000.00	100.00%	150,000.00	1,875.00	121,663.83
MUNI	25930TBJ6	2.900		184003054-1	Cont	11/15/2036					
GO	DOUGLAS CNTY NEB SANI & #421				9/1/2026	5/19/2020	50,000.00	50,000.00	50,000.00	48,732.96	48,732.96
D02/02					100.000	AFS	50,000.00	100.00%	50,000.00	426.94	49,159.90
MUNI	25931BEG7	2.750		184010678-1	Cont	5/1/2035					
GO	DOUGLAS CNTY NEB SAN & IMPT DI				9/1/2026	5/3/2021	175,000.00	175,000.00	175,000.00	144,177.47	144,177.47
D02/02					100.000	AFS	175,000.00	100.00%	175,000.00	1,604.17	145,781.64
MUNI	25931LCN2	2.700		185142862-1	Contin	11/15/2028					
GO	DOUGLAS CNTY NE SAN & IMPT				9/1/2026	11/15/2016	170,000.00	170,000.00	170,000.00	164,869.83	164,869.83
D02/02					100.000	AFS	170,000.00	100.00%	170,000.00	1,351.50	166,221.33
MUNI	25931VBN1	3.500		185142866-1	Contin	8/15/2032					
GO	DOUGLAS CNTY NE SAN & IMPT				9/1/2026	7/27/2017	50,000.00	50,000.00	50,000.00	46,873.36	46,873.36
D02/02					100.000	AFS	50,000.00	100.00%	50,000.00	77.78	46,951.14
MUNI	25931VCF7	2.350		177020849-1	Cont	8/15/2035					
GO	DOUGLAS CNTY NEB SAN #471				9/1/2026	2/19/2021	100,000.00	100,000.00	100,000.00	86,203.15	86,203.15
D02/02					100.000	AFS	100,000.00	100.00%	100,000.00	104.44	86,307.59
MUNI	25933BEB6	3.000		184003099-1	Cont	11/15/2035					
GO	DOUGLAS CNTY NEB SAN & IMPT DI				9/1/2026	5/19/2020	150,000.00	150,000.00	150,000.00	141,500.87	141,500.87
D02/02					100.000	AFS	150,000.00	100.00%	150,000.00	1,325.00	142,825.87

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Cattle Bank & Trust (052)
Investment Portfolio (1)

Pledged Securities Detail
August 31, 2026

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Report Sequence: sgrp, CUSIP, Ticket

SGrp STyp Loc/PI	CUSIP Description S&P	Moody	Rate	State	Ticket-P#	Call Type Next Call Dt Call Price	Maturity Dt Issue Dt Intent	Pledge Values			Total Face Total Par	Pledged Face % of Total	Book Value	Carrying Value		Market Value	
								Par Value	Interest Rec	Collateral Value				Interest Rec	Collateral Value		
MUNI	25936RBY1		2.400	NE	177039345-1	Cont	1/15/2039	150,000.00			150,000.00	150,000.00	150,000.00	106,109.53		106,109.53	
GO	DOUGLAS CNTY NEB S&I #537					1/15/2027	1/21/2022	150,000.00			150,000.00	100.00%	150,000.00	460.00		106,569.53	
D02/02						100.000	AFS										
MUNI	25940TAX4		4.800	NE	177081763-1	Cont	12/15/2041	305,000.00			305,000.00	305,000.00	305,000.00	298,080.09		296,080.09	
GO	DOUGLAS CNTY NEB S&I #605					12/15/2030	12/18/2025	305,000.00			305,000.00	305,000.00	305,000.00	3,090.67		299,170.76	
D02/02						100.000	AFS										
MUNI	373807CE4		1.850	NE	184010461-1	Cont	12/15/2035	100,000.00			100,000.00	100,000.00	100,000.00	74,910.01		74,910.01	
REV	GERING NEB COMBINED UTILS REV					9/1/2026	4/29/2021	100,000.00			100,000.00	100.00%	100,000.00	390.56		75,300.57	
D02/02						100.000	AFS										
MUNI	57973FDD8		3.150	NE	185181069-1	Cont	12/15/2030	100,000.00			100,000.00	100,000.00	100,000.00	94,697.47		94,697.47	
REV	MCCOOK NE PUBLIC PWR DIST					9/1/2026	8/9/2017	100,000.00			100,000.00	100.00%	100,000.00	665.00		95,362.47	
D02/02						100.000	AFS										
MUNI	80373YER3		2.800	NE	182012079-1	Cont	10/15/2035	150,000.00			150,000.00	150,000.00	150,000.00	122,579.56		122,579.56	
GO	SARPY CNTY NEB S&I #158					4/15/2027	4/19/2022	150,000.00			150,000.00	100.00%	150,000.00	1,586.67		124,166.23	
D02/02						100.000	AFS										
MUNI	80377BKT8		2.350	NE	184010680-1	Cont	8/15/2034	180,000.00			180,000.00	180,000.00	180,000.00	147,000.15		147,000.15	
GO	SARPY CNTY NEB S&I DIST #264					9/1/2026	5/3/2021	180,000.00			180,000.00	100.00%	180,000.00	188.00		147,188.15	
D02/02						100.000	AFS										
MUNI	80377TBE2		2.800	NE	185187220-1	Cont	11/15/2028	85,000.00			85,000.00	85,000.00	85,000.00	82,658.62		82,658.62	
GO	SARPY CNTY NE SAN & IMPT DIST					9/1/2026	11/15/2016	85,000.00			85,000.00	100.00%	85,000.00	700.78		83,359.40	
D02/02						100.000	AFS										
MUNI	80377TBF9		2.900	NE	185187221-1	Cont	11/15/2029	85,000.00			85,000.00	85,000.00	85,000.00	81,425.27		81,425.27	
GO	SARPY CNTY NE SAN & IMPT DIST					9/1/2026	11/15/2016	85,000.00			85,000.00	100.00%	85,000.00	725.81		82,151.08	
D02/02						100.000	AFS										
MUNI	80378TEW8		3.850	NE	185187230-1	Cont	10/15/2033	85,000.00			85,000.00	85,000.00	85,000.00	80,438.79		80,438.79	
GO	SARPY CNTY NE SAN & IMPT DIST					9/1/2026	4/15/2018	85,000.00			85,000.00	100.00%	85,000.00	1,236.28		81,675.07	
D02/02						100.000	AFS										
MUNI	80379KEN6		2.300	NE	177018881-1	Cont	12/15/2034	50,000.00			50,000.00	50,000.00	50,000.00	40,155.47		40,155.47	
GO	SARPY CNTY NEB SAN & IMPT #272					9/1/2026	1/11/2021	50,000.00			50,000.00	100.00%	50,000.00	242.78		40,398.25	
D02/02						100.000	AFS										
MUNI	818483FG9		2.450	NE	185187557-1	Cont	2/15/2028	150,000.00			150,000.00	150,000.00	150,000.00	146,270.35		146,270.35	
REV	SEWARD NE ELEC REV					9/1/2026	6/15/2016	150,000.00			150,000.00	100.00%	150,000.00	163.33		146,433.68	
D02/02						100.000	AFS										

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Report Sequence: sgrp, CUSIP, Ticket

SGrp	STyp	Loc/Pl	CUSIP	Description	Moody	Rate	Ticket-P#	Call Type	Next Call Dt	Call Price	Maturity Dt	Issue Dt	Intent	Total Face	Pledge Values			Carrying Value	Market Value
															Total Par	Pledged Face % of Total	Par Value Book Value		
MUNI	GO		886094CD1	THURSTON CNTY NEB		2.500	NE	184003102-1	Cont	9/1/2026	12/15/2035	5/28/2020		200,000.00	200,000.00	200,000.00	160,000.78	160,000.78	
D02/02									100.000		AFS			200,000.00	100.00%	198,061.05	1,055.56	161,056.34	
CITY OF SEWARD													22,821,805.29	3,935,427.47	3,585,809.00	3,585,809.00	3,586,617.39		
														3,941,260.10	20,808.39				

TREASURER'S REPORT	MONTH OF: August-26					
VARIANCE AT: 92%						
	REVENUE	CURRENT YTD		UNRECEIPTED	PREVIOUS YTD	DIFFERENCE
DEPARTMENT	BUDGET	REVENUE	VARIANCE	BALANCE	REVENUE	B/W BUDGET YEARS
ELECTRIC	15,942,270	13,345,283	84%	2,596,987	12,372,236	973,046
ELEC BOND PYMT						
WATER	7,839,800	2,620,618	33%	5,219,182	2,224,140	396,478
WATER BOND PYMTS						
WATER SINKING FUND	20,000	20,000	100%	- 0 -	20,000	- 0 -
WASTEWATER TREATMENT	25,388,514	2,878,086	11%	22,510,428	2,744,222	133,864
WWTW BOND PYMT						
WWTW SINKING FUND	- 0 -	- 0 -	#DIV/0!	- 0 -	930,000	(930,000)
TOTAL BUSINESS-TYPE FUNDS	49,190,583	18,863,987	38%	30,326,596	18,290,598	573,389
GENERAL REVENUES	5,509,483	4,896,614	89%	612,869	4,620,015	276,599
POLICE	6,800	4,061	60%	2,739	2,802	1,259
E911	- 0 -	- 0 -	#DIV/0!	- 0 -	- 0 -	- 0 -
POLICE EQUITABLE SHARING	- 0 -	- 0 -	#DIV/0!	- 0 -	- 0 -	- 0 -
STREET	4,967,561	1,360,619	27%	3,606,942	2,450,004	(1,089,385)
STREET STP FUNDS	197,407	197,407	100%	0	190,435	6,972
DEBT SERVICE	595,900	590,884	99%	5,016	600,332	(9,448)
RAIL CAMPUS	- 0 -	- 0 -	#DIV/0!	- 0 -	- 0 -	- 0 -
CDBG DOWNTOWN REVITAL GRANT	30,000	2,732	9%	27,268	84,151	(81,419)
BLDGS & GRDS (CITY HALL)	48,000	44,000	92%	4,000	40,000	4,000
LEEVE ACCREDITATION	- 0 -	146,250	#DIV/0!	(146,250)	- 0 -	146,250
CIVIC CENTER	201,880	272,017	135%	(70,137)	1,993,709	(1,721,692)
LIBRARY	42,000	49,773	119%	(7,773)	48,058	1,715
PUBLIC PROPERTIES	32,100	20,028	62%	12,072	32,846	(12,818)
GUTHMAN TRUST/PERPETUAL CARE	11,775	15,978	136%	(4,203)	16,513	(535)
CEMETERY	68,000	68,376	101%	(376)	74,870	(6,494)
GOLF COURSE	430,025	496,035	115%	(66,010)	508,516	(12,481)
BLDGS & GRDS (OTHER)	- 0 -	98,848	#DIV/0!	(98,848)	- 0 -	98,848
BLDG INSP/PLAN & ZONING	108,100	132,380	122%	(24,280)	119,587	12,793
FIRE/EQUIP SINKING FUND	473,000	306,557	65%	166,443	671,325	(364,768)
TREE BOARD	- 0 -	- 0 -	#DIV/0!	- 0 -	- 0 -	- 0 -
ENGINEER	131,036	- 0 -	0%	- 0 -	- 0 -	- 0 -
DOWDING POOL /SWIM LESSONS	97,000	83,867	86%	13,133	79,099	4,769
CONCESSION STAND	900	10,316	1146%	(9,416)	900	9,416
RECREATION/COMPLEX LIGHTS	43,796	89,950	205%	(46,154)	64,383	25,567
SENIOR CENTER	154,000	101,936	66%	52,064	81,094	20,842
SENIOR SHUTTLE	4,600	4,424	96%	176	4,126	298
RECYCLING	3,500	7,512	215%	(4,012)	2,081	5,431
WELLNESS CENTER	908,500	758,838	84%	149,662	330,629	428,209
ECONOMIC DEVELOPMENT (LB840)	328,269	387,782	118%	(59,513)	296,851	90,931
CAPITAL IMPROVEMENTS FUND	761,100	717,452	94%	43,648	4,607,817	(3,890,364)
TAX INCREMENT FINANCING	739,000	748,867	101%	(9,867)	768,577	(19,710)
TOTAL GOVERNMENTAL FUNDS	15,893,732	11,613,503	73%	4,149,193	17,688,717	(6,075,214)
	(UNAUDITED)					

TREASURER'S REPORT	MONTH OF:	August-26				
VARIANCE AT: 92%						
	EXPENDITURES	CURRENT YTD		UNEXPENDED	PREVIOUS YTD	DIFFERENCE
DEPARTMENT	BUDGET	EXPENDITURES	VARIANCE	BALANCE	EXPENDITURES	B/W BUDGET YEARS
ELECTRIC	18,450,222	10,905,589	59%	7,544,633	10,113,369	792,220
ELEC BOND PYMT	489,208	489,208	100%	- 0 -	493,064	(3,856)
WATER	4,193,086	2,242,035	53%	1,951,051	4,288,690	(2,046,654)
WATER BOND PYMTS	356,793	356,993	100%	(200)	357,426	(434)
WATER SINKING FUND	20,000	20,000	100%	- 0 -	20,000	- 0 -
WASTEWATER TREATMENT	24,267,265	2,636,458	11%	21,630,806	1,794,314	842,144
WWTW BOND PYMT	290,405	290,405	100%	- 0 -	275,000	15,405
WWTW SINKING FUND	- 0 -	- 0 -	#DIV/0!	- 0 -	930,000	(930,000)
TOTAL BUSINESS-TYPE FUNDS	48,066,978	16,940,688	35%	31,126,290	18,271,862	(1,331,175)
GENERAL EXPENSES	365,397	242,892	66%	122,505	1,437,672	(1,194,780)
POLICE	1,963,904	1,744,960	89%	218,943	1,775,235	(30,274)
E911	285,624	261,822	92%	23,802	225,774	36,048
POLICE EQUITABLE SHARING	- 0 -	- 0 -	#DIV/0!	- 0 -	- 0 -	- 0 -
STREET	5,908,491	3,397,866	58%	2,510,626	2,256,429	1,141,437
STREET STP FUNDS	184,598	187,098	101%	(2,500)	178,511	8,587
DEBT SERVICE	588,400	530,728	90%	57,672	533,052	(2,324)
RAIL CAMPUS	11,000	3,600	33%	7,400	17,945	(14,345)
CDBG-DOWNTOWN REVITAL GRANT	30,000	10,672	36%	19,328	84,151	(73,479)
BLDGS & GRDS (CITY HALL)	20,220	13,193	65%	7,027	18,570	(5,378)
LEVEE ACCREDITATION	15,000	26,448	176%	(11,448)	268,039	(241,591)
CIVIC CENTER	201,880	132,458	66%	69,422	2,231,638	(2,099,180)
LIBRARY	692,372	580,953	84%	111,419	525,493	55,460
PUBLIC PROPERTIES	679,996	561,458	83%	118,538	566,903	(5,445)
GUTHMAN TRUST - REGULAR	145	4,497	3101%	(4,352)	145	4,352
CEMETERY	251,343	196,894	78%	54,449	233,701	(36,808)
GOLF COURSE	756,747	720,536	95%	36,211	569,348	151,188
BLDGS & GRDS (OTHER)	13,400	105,796	790%	(92,396)	9,992	95,805
BLDG INSP/PLAN & ZONING	181,409	135,371	75%	46,038	145,417	(10,045)
FIRE/EQUIP SINKING FUND	943,305	570,843	61%	372,462	575,774	(4,931)
TREE BOARD	12,500	9,945	80%	2,555	2,100	7,845
ENGINEER	174,714	150,395	86%	24,319	155,296	(4,901)
DOWDING POOL/SWIM LESSONS	346,156	291,149	84%	55,007	259,811	31,338
RECREATION/COMPLEX LIGHTS	270,839	252,046	93%	18,793	259,715	(7,668)
SENIOR CENTER	293,461	204,532	70%	88,929	184,414	20,119
SENIOR SHUTTLE	4,837	4,664	96%	174	4,161	503
RECYCLING	36,926	37,244	101%	(317)	35,406	1,837
WELLNESS CENTER	847,795	843,814	100%	3,981	429,993	413,821
ECONOMIC DEVELOPMENT LB840	328,269	100,046	30%	228,223	504,707	(404,661)
CAPITAL IMPROVEMENTS FUND	1,150,000	560,284	49%	589,716	4,193,393	(3,633,109)
TAX INCREMENT FINANCING	705,000	620,753	88%	84,247	709,018	(88,264)
TOTAL GOVERNMENTAL FUNDS	17,263,729	12,502,957	72%	4,760,772	18,391,800	(5,888,844)
				(UNAUDITED)		

3. Claims & Payables Reports

CLAIMS LIST

9-15-2026

COUNCIL MEETING

Abbreviations: AF-Annual Fee; BE-Benefits; BU-Building Upkeep; CI-Capital Improvements; DF-Diesel Fuel; DO-Donations; EQ-Equipment; ENG-Engineering; EX-Expense; FA-Fixed Asset; GS-Gas; GU-Ground Upkeep; IT-Technology; INS- Insurance; INV-Inventory; LG-Legal; LS-Lease; MA-Maintenance; MAT-Materials; MC-Miscellaneous; MH-Merchandise; MI-Mileage; ML-Meals; MS-Memberships; OI-Oil; OP-Operations; PF-Postage; PR-Public Relations; PU-Publications; RE-Repairs; RI-Reimbursement; SE-Services; SL-Sales; ST-Sales Tax; SU-Supplies; TE-Testing; TR-Training; TO-Tools; UN-Uniforms; UT-Utilities

8S Repair LLC	SU	1,173.50
Allo Communications	UT	2,926.80
Amazon Capital Services Inc	MAT/SU/BU	8,043.23
Aqua-Chem Inc	SU	1,359.35
Armor Equipment	RE	721.85
Badger Meter	SE	443.12
Becky Baker	RI	84.83
Benchmark Government Solutions	TR	91.60
Bizco Technologies	IT	2,100.49
Black Hills Energy	UT	2,249.06
Blackburn Manufacturing Co	SU	637.00
Blue River Electric LLC	BU	244.48
Border States Industries Inc	INV	3,126.64
Callaway Golf	MH	448.80
Capital Business Systems Inc	SE	15.66
Caselle Inc	IT	1,000.00
Cindy Voehl	RI	14.50
Codr Plumbing & Excavating	RE	418.00
Commonwealth Electric Co	RE	3,676.50
Core & Main LP	INV	4,134.02
Culligan Of Crete	BU	36.15
Dinges Partners Group LLC	EQ	24,082.35
Eakes Office Solution	SU	308.14
Electric Pump	RE	6,195.00
Farmers Coop - Seward	GS/DF/RE	8,953.61
Galls LLC	UN	205.44
Gerhold Concrete Co Inc	SU	1,980.00
Hamilton Equipment Company	RE	197.12
HD Supply Inc	SU	403.81
Herpolsheimer's Inc	RE	512.14
Hireright LLC	SE	419.60
Husker Electric Supply Co	SU	145.05

JF Petroleum Group	TE	1,688.95
Jolma Utilities LLC	CI	943,390.67
Jones Automotive	MC	140.00
K & Z Distributing	SU	146.10
Lee's Refrigeration	BU	105.28
Lincoln Winwater Works Co	INV/RE	363.60
MC Retail/Crouch's Farm & Hardware	SU/RE/GU/BU	1,897.55
Menards	GU	16.97
Michael Koci	SE	400.00
Midwest Auto Parts	RE	30.98
Midwest Laboratories Inc	TE	2,853.35
Miller Seed Co	SU	649.10
Nebraska Door & Window	FA	10,573.00
Nebraska Golf & Turf	EX	765.00
Nebraska Public Health Env Lab	TE	34.00
Nick's Farm Store Co	RE	28.18
Norris Public Power District	UT	1,332.56
North Central Emergency Vehicles	RE	642.01
Northern Safety Co Inc	SU	268.06
Olsson	CI	4,102.33
One Call Concepts Inc	SE	182.37
One Source Background Check Co	SE	164.00
O'Reilly Automotive Inc	RE	67.99
Overhead Door Co Lincoln	BU	1,736.90
Pac 'N' Save Discount Foods	ML/SU/EX	6,007.48
Paper Tiger Shredding	SE	38.00
Point C	INS	1,705.90
Quality Brands Of Lincoln	SU	574.42
Riverside Portables LLC	GU	402.00
Sampson Construction Co	FA	51,853.00
Schemmer Architects Engineers	CI	43,006.84
Seward County Chamber & Development	MC	225.00
Seward County EMA	SU	21.00
Seward County Independent	PF	1,075.44
Seward Lumber & Home Center	SU/BU	213.23
Seward Wind LLC	UT	27,406.25
Short Elliott Hendrickson Inc	CI	398,140.78
Siteone Landscape Supply	GU	22.40
Southeast Library System	TR	130.00
Sports Express	EX	5,720.00
State Distributing Co	SU	282.71
Sunset Blinds	SE	12,642.00
Tim Hobson/Hobson Automotive	OI	69.71
Tonies US Inc	MAT	555.67

Trenton L Gibbs	SE		215.00
Trimax Mowing Systems	RE		2,417.22
Van Kirk Bros Contracting	CI		17,369.64
Verizon	UT		430.32
Visa - Pinnacle Bank			2,798.33
Dollar General	BU	27.50	
Harlequin	MAT	138.76	
American Library Association	MS	290.00	
Nebraska Library Association	TR	675.00	
Walmart	SU/BU	292.93	
Sam's Club	SU/BU	102.39	
Demco	SU	696.80	
Lincoln Journal Star	MAT	105.19	
Grey House	MAT	278.00	
Zoom	MC	15.99	
Painting to Gogh	SU	44.97	
Temu	SU	60.94	
Wall Street Journal	MAT	69.86	
Wesco Distribution Inc	CI/INV		16,914.06
	TOTAL		\$1,638,163.19

4. Police Department Report



City of Seward Police Department

Monthly Statistics August 2026

Service Calls	715
Accidents	8
Arrests	10
Citations	27
Warnings	148
Parking Tickets	31

****Does not include red tag warnings, yellow tag warnings or verbal warnings****

5. Draft Minutes of September 1, 2026, City Council Meeting

September 1, 2026

The Seward City Council met at 7:00 p.m. on Tuesday, September 1, 2026, with Mayor Joshua Eickmeier presiding and City Clerk Derek Bargmann recording the proceedings. Upon roll call, the following Councilmembers were present: Zane Francescato, Megan Kahler, Jessica Kolterman, John Singleton, Matt Stryson, Rich Wergin. Councilmembers absent: Karl Miller, Tatum Tonniges. Other officials present: City Administrator Greg Butcher, City Attorney Kelly Hoffschneider, City Engineer Mike Oneby, Wellness Center Executive Director Joel Brase, Finance Director/Treasurer Cydnee Golden, and Chief of Police Brian Peters.

Notice of the meeting was given in advance thereof, and Mayor Eickmeier announced that a copy of the Open Meetings Act and tonight's agenda is posted in the meeting room and is accessible to members of the public. Mayor Eickmeier led those in attendance in the Pledge of Allegiance.

CONSENT AGENDA CONSIDERATION ITEMS

The following Consent Agenda items were approved in one single motion made by Councilmember Wergin, seconded by Councilmember Stryson.

1. Claims & Payables Report (totaling \$726,473.60)
2. Draft Minutes of August 18, 2026, City Council Meeting
3. Mayor Appointments to Boards and Commissions:
 - a. Re-Appoint Mike Langner to the Housing Appeals Board for a 3-Year Term
 - b. Appoint Anita Foor (Replaces John Owens) to the LB840 Application Review Board for a 3-Year Term

Aye: Francescato, Kahler, Kolterman, Singleton, Stryson, Wergin.

Nay: None. Absent: Miller, Tonniges. Motion carried.

PUBLIC HEARINGS

1. CONSIDERATION OF A REQUEST FROM THE NEBRASKA LIQUOR CONTROL COMMISSION ON BEHALF OF STRAIGHT PATH LLC (#160035) FOR A CLASS CK LIQUOR LICENSE

City Clerk Bargmann reported the applicant was adding a catering endorsement; thus, it would be treated as a new license. The public hearing was opened at 7:03 p.m. With no public comment received, it was closed at 7:03 p.m.

A. CONSIDERATION OF A RESOLUTION RECOMMENDING APPROVAL OF A CLASS CK LIQUOR LICENSE FOR STRAIGHT PATH LLC

Councilmember Kolterman introduced **Resolution No. 2026-18**. Councilmember Wergin moved, seconded by Councilmember Francescato, to recommend approval of a Class CK Liquor License to Straight Path LLC as presented.

Aye: Francescato, Kahler, Kolterman, Singleton, Stryson, Wergin.

Nay: None. Absent: Miller, Tonniges. Motion carried.

B. CONSIDERATION OF A REQUEST TO RECOMMEND AMBER FIALA AS MANAGER OF CLASS CK LIQUOR LICENSE

Councilmember Francescato moved, seconded by Councilmember Stryson, to recommend Amber Fiala as the manager of a Class CK Liquor License for Straight Path LLC.

Aye: Francescato, Kahler, Kolterman, Singleton, Stryson, Wergin.

Nay: None. Absent: Miller, Tonniges. Motion carried.

ADMINISTRATIVE ITEMS

3. CONSIDERATION OF A MEMORANDUM OF UNDERSTANDING WITH FOUR CORNERS HEALTH DEPARTMENT FOR PLACEMENT OF KIOSK AT WELLNESS CENTER

Executive Director Brase outlined Four Corners proposal to bring a health kiosk to the Wellness Center. The impetus would be to check vitals of those visiting, but mainly senior citizens. To encourage wellness, Four Corners is offering a free day pass to those who signed up, with reimbursement sent back to the City. The MOU would initially be for a 1-year term.

Councilmember Singleton moved, seconded by Councilmember Stryson, to approve a memorandum of understanding with Four Corners Health Department for placement of a kiosk at the Wellness Center.

Aye: Francescato, Kahler, Kolterman, Singleton, Stryson, Wergin.

Nay: None. Absent: Miller, Tonniges. Motion carried.

1. PRESENTATION OF THE PROPOSED FY2026-2027 BUDGET

City Administrator Butcher presented the budget with a summation provided by memorandum. He noted the City valuation had increased approximately 4.4% from \$760 million to \$793 million. Additionally, he noted the City's new growth percentage was 0.9567%, which was down from prior year's 2.96% and meant the maximum property tax ask could be 6.217% more than FY26. Items of note from the presentation and proposed budget included: an increase of 4.0% for employee health

September 1, 2026

insurance costs; a 3.5% cost-of-living adjustment to employee wages based on the recent consumer price index (CPI) increase; a 4.2% increase for City property/liability insurance premiums; sales tax revenues appear to have flattened, but summer 2026 collections have been higher than anticipated; the debt on the Wellness Center is expected to be paid off sooner than expected, projected by Fall 2033; a comprehensive plan update will be due in FY28; electric rates are recommended to increase by 3.4%, with future increases expected based on increased NPPD power purchase costs; the main focus of the FY27 Street Department budget would be construction of Hillcrest Drive, from Eastridge to Plum Creek Park bridge at the cost of approximately \$1.3 million; the sewer rates are recommended to increase by 3%, with the treatment plant facility upgrade (approx. \$60 million) to begin fall 2026; and water rates are recommended to increase by 3% due to ongoing maintenance and system repair needs. Mr. Butcher indicated municipal equalization is currently under consideration for alteration by the state legislature.

Mr. Butcher reported the Seward Dowding Pool will need crack seal and pump repairs before 2027 season opens at a cost to exceed \$100k. He noted the future of the pool would need to be determined in the near future as it is showing its age. Many concerned citizens were present with the following comments heard about the future of the Dowding Pool:

- *Denny Carr (2224 N 1st St, Seward)* – concerned about relocation to new site as she feels the current pool is unique and an attraction; feels the current location is the best location for community pool based on recent improvements to the fairgrounds; feels the community would rally to raise funds for repairs to current pool and would rally to keep it in current location; asks that the public be involved when decisions are made regarding the current and future pool.
- *Frank Daley (629 N 5th St, Seward)* – feels the current pool design/layout is a great amenity and is useful for all members of the community; hopes City will continue to maintain Dowding Pool while decisions about the future of the community pool are considered; asks that the public be involved when decisions are made about the pool's future.
- *Laurie Morse (1001 Frances St, Goehner)* – encouraged the Council to approve the proposed repairs; as manager of the pool, doesn't believe it would pass inspection for 2027 unless items are addressed in off-season; pondered if the City could organize fundraisers or pursue grants for pool maintenance costs.
- *Sueann Ahrens (3156 McKelvie Road, Seward)* – complimented pool lifeguards and management; believes fundraisers would be successful to defray maintenance costs.

Mayor Eickmeier confirmed that no decisions about the future location of the Dowding Pool are scheduled and the pool will be repaired to extend the useful life as long as possible. It is expected the public will be allowed to provide input in the future when the future of the pool is determined.

A. ACKNOWLEDGE RECEIPT OF AIRPORT AUTHORITY RESOLUTION REQUESTING LEVY AUTHORITY FOR THE 2026-2027 FISCAL YEAR

The proposed airport levy was unchanged at the current rate of \$0.035, with the tax asking at \$277,592 for FY27.

Councilmember Francescato moved, seconded by Councilmember Kolterman, to acknowledge and accept the receipt of the Seward Airport Authority requesting levy authority for the FY27 fiscal year.

Aye: Francescato, Kahler, Kolterman, Singleton, Stryson, Wergin.

Nay: None. Absent: Miller, Tonniges. Motion carried.

B. MOTIONS ON RECOMMENDED BUDGET AMENDMENTS

Mr. Butcher noted that the proposed budget would qualify the City for the LB644 (Pink Postcard) meeting to be held on September 21st because the City's tax asking is above the threshold. The City Council could consider revising the proposed levy by 0.004223 (\$33,469.57 less tax asking) to avoid this hearing.

Councilmember Stryson moved, seconded by Councilmember Singleton, to lower the proposed levy by 0.004223 for the FY27 fiscal year.

Aye: Francescato, Kahler, Kolterman, Singleton, Stryson, Wergin.

Nay: None. Absent: Miller, Tonniges. Motion carried.

2. CONSIDERATION OF A CHANGE ORDER (#1) TO A CONSTRUCTION CONTRACT WITH VAN KIRK BROS. FOR THE METERING MANHOLE PHASE 1 PROJECT

City Engineer Oneby described the change order as a reduction in the contract by \$10,776.78 due to the elimination of crane services to complete construction. The project completion date will also be revised to extend to September 4, 2026.

Councilmember Wergin moved, seconded by Councilmember Stryson, to approve a change order to the construction contract with Van Kirk Bros. for the Metering Manhole Phase 1 Project as presented.

Aye: Francescato, Kahler, Kolterman, Singleton, Stryson, Wergin.

Nay: None. Absent: Miller, Tonniges. Motion carried.

September 1, 2026

4. CONSIDERATION OF A LAND LEASE AGREEMENT WITH BLACK HILLS ENERGY FOR STORAGE OF EQUIPMENT AT THE SEWARD RAIL CAMPUS

Mr. Butcher noted this was a short-term agreement with Black Hills Energy for temporary storage of equipment at a City-owned site. It is expected the equipment will be removed after completion of a project in the city.

Councilmember Singleton moved, seconded by Councilmember Wergin, to approve a land lease agreement with Black Hills Energy for storage of equipment at the Seward Rail Campus.

Aye: Francescato, Kahler, Kolterman, Singleton, Stryson, Wergin.

Nay: None. Absent: Miller, Tonniges. Motion carried.

5. CONSIDERATION OF A RECOMMENDATION TO AWARD A CONSTRUCTION CONTRACT FOR THE SEWARD E HILLCREST DRIVE UNDERGROUND CIRCUIT RELOCATION PROJECT TO WATTS ELECTRIC CO. IN THE AMOUNT OF \$402,431.19

Mr. Butcher reported the City received bids for the project with Watts Electric Co. as the lowest bidder. Upon review by Olsson, the project engineer, the recommendation was to award a construction contract to Watts Electric Co. The project will be undertaken in coordination with construction of the roadway on E Hillcrest Drive and Plum Creek Bridge.

Councilmember Wergin moved, seconded by Councilmember Francescato, to award a construction contract to Watts Electric Co. for the Seward E Hillcrest Drive Underground Circuit Relocation Project as presented.

Aye: Francescato, Kahler, Kolterman, Singleton, Stryson, Wergin.

Nay: None. Absent: Miller, Tonniges. Motion carried.

CITY ADMINISTRATOR'S REPORT

Councilmember Wergin moved, seconded by Councilmember Singleton, that the City Administrator's report of September 1, 2026, be accepted.

Aye: Francescato, Kahler, Kolterman, Singleton, Stryson, Wergin.

Nay: None. Absent: Miller, Tonniges. Motion carried.

ANNOUNCEMENT OF UPCOMING EVENTS

Jordan Diedrich was introduced as the new President & CEO of the Seward County Chamber & Development Partnership. He was previously employed as Executive Director of Twin Cities Development in Scottsbluff for ten years.

STRATEGY SESSION

1. STRATEGY SESSION WITH CITY ATTORNEY REGARDING POTENTIAL LITIGATION

Councilmember Kolterman moved, seconded by Councilmember Francescato, that the Council enter a closed session with the Mayor, City Administrator, City Attorney, and City Clerk for the protection of the public interest and to discuss potential litigation for a period not to exceed 30 mins.

Aye: Francescato, Kahler, Kolterman, Singleton, Stryson, Wergin.

Nay: None. Absent: Miller, Tonniges. Motion carried.

Mayor Eickmeier stated the Council has voted to go into closed session at 9:46 p.m. for the protection of public interest and to discuss potential litigation.

At 9:53 p.m., the closed session ended, and the following Councilmembers reconvened to regular session: Francescato, Kahler, Kolterman, Singleton, Stryson, Wergin. Mayor Eickmeier announced that no formal action was taken during the closed session.

MOTION TO ADJOURN

Councilmember Kahler moved, seconded by Councilmember Singleton, that September 1, 2026, City Council Meeting be adjourned.

Aye: Francescato, Kahler, Kolterman, Singleton, Stryson, Wergin.

Nay: None. Absent: Miller, Tonniges. Motion carried.

Adjourned approximately 9:53 p.m.

September 1, 2026

THE CITY OF SEWARD, NEBRASKA

Joshua Eickmeier, Mayor

Derek Bargmann, City Clerk

6. Mayor Appointments to Boards and Commissions:
 - A. Appoint Darren Daum and Matt Koranda to the Seward Volunteer Fire Department Roster
 - B. Appoint Jordan Diedrich (Replaces Jonathan Jank) to the Seward Rail Campus Committee for Remainder of Term
 - C. Re-Appoint Pat Coldiron to the LB840 Application Review Board for a 3-Year Term

ADMINISTRATIVE ITEMS

1. Consideration of a Seward Foundation Application:
 - A. Seward Kiwanis - Dolly Parton Imagination Library - \$2,500



Grant Request Form

Name of Project: Seward Dolly Parton Imagination Library Contact Name: Earl Pierce

Address: P.O. Box 145

Phone: (928) 234-4277

City: Seward

State: NE

Zip Code: 68434

This project is being submitted to: ☒ City Council ☐ School Board
for further consideration. It is understood that upon approval by the
aforementioned entity this Grant Request Form will, in turn be submitted to the
Seward Foundation, Inc for final determination. **Please note, this grant
application will not be considered for funding until approval is given by the
City Council or the School Board for submittal to the Foundation.**

Description of the Project: Please provide a brief description of the project under consideration and
the proposed use of Seward Foundation, Inc. grant monies.

In 2024, the Seward Kiwanis Club worked to bring the Dolly Parton Imagination Library to
Seward County. Imagination Library helps inspire a love of reading and promotes the importance
of literacy by gifting free books to children each month from birth to age 5. While the books are
provided free by the Imagination Library through the Dollywood Foundation, Kiwanis must cover
the cost of postage for distribution of the books to children enrolled in the program. Seward
Foundation funds would be used toward postage costs.

Additional Information: Please provide additional information regarding the project including the
need that the project fulfills within the community and the target market for the project. How will this
project be promoted to the community at large?

Books are age-appropriate and cover a wide variety of themes, promoting cognitive development,
fostering interactions around books, establishing a positive attitude toward reading and increasing
emerging literacy skills. When a child enters kindergarten ready for school, he or she has an 82%
chance of mastering basic skills by age 11, compared with a 45% chance for those who are not
school-ready. Investment in high-quality early childhood programs delivers a 7-10% annual return
on investment through improved education, health, social and economic outcomes, increased
productivity and the reduced need for social spending. Registration for the Imagination Library is
available online and is promoted at family oriented events, including at Seward Memorial Library,
area childcares, the MHCS health fair, Seward County Fair, Scare at the Fair and more.

Financial Information: Please provide financial information for the proposed project detailing out the overall estimated cost of the project and the sources and uses of funds including this Grant Request Form. Note: The Seward Foundation, Inc. prefers and encourages investment and support from other outside entities to assist in funding projects.

TOTAL PROJECT COST:

SOURCES OF FUNDS	USE OF FUNDS
Seward Car Club \$740	Postage
Walmart Spark Good \$1,500	Postage
Wake Foundation \$500	Postage
Milford Kiwanis \$1,500	Postage
Seward Rotary \$1,600	Postage
Local businesses & individuals \$800	Postage

Operating Budget: Please attach and provide an on-going budget for this program/project.

Who will continue to fund and maintain this program/project on an on-going basis?

The Seward Imagination Library operates under the Kiwanis Club of Seward and the Kiwanis Club of Seward Foundation. The organization is seeking funding through additional grants to help close the gap for 2026 and secure funds for a future endowment. It has also launched a letter campaign to local businesses and individuals asking for financial support.

How did you arrive at the budget figures?

Now in its third year, the program has grown to 495 children, with postage costs at around \$1,100 per month, or \$13,000 per year (\$2.25 per child per month). Postage and marketing materials are the library's only expenses to date.

Will this grant be sufficient to start/continue this program/project?

Currently, all funds raised in 2025 and early 2026 to cover postage costs have been expended. Funds from many sources, including those listed above, funds from the Seward Foundation, and additional grants listed below, will be needed to continue this program. Seward County has a population of approximately 17,700 people. About 1,000 of those are children age 5 and under who qualify for these free books. As enrollment continues to grow, postage costs will continue to grow. The goal to consider the program fully established is 65% enrollment of age-eligible kids. This would bring the annual postage cost to approximately \$20,280.

Are you submitting this request elsewhere for funding considerations? If so, to whom and for how much?

Yes. Grant requests have been submitted to Walmart Spark Good (\$1,500), Legacy Fund for Seward County (\$2,500), and via letter to local businesses and individuals.

Has this request been made elsewhere and turned down? If so, why?
No.

After grant monies from the Seward Foundation, Inc. have been expended what plans are being made to ensure the ongoing operation of the project/program?

The goal is to raise enough money to cover annual postage expenses, as well as additional funds to put toward an endowment, making the Seward Imagination Library sustainable in perpetuity. These funds are anticipated to come from the additional grants listed above, as well as local business and individual donors. Funds may be invested to ensure gains to cover annual costs.

Other Information:

Is this project application related to a new or on-going program?

The Seward Imagination Library launched in May 2024 and is considered an ongoing program, now in its third year.

Who was involved in the development and planning of this program/project?

This program was brought to Seward County by the Kiwanis Club of Seward, Kiwanis Club of Seward Foundation, and the Seward Rotary Club, with support from clubs in Milford and Utica.

Will this program/project be evaluated regularly and if so, by whom?

Yes. Evaluation will be conducted by the Kiwanis Club of Seward, with oversight from the Dolly Parton Imagination Library and Dollywood Foundation.

Is this program/project ready to begin immediately? If not, what is the target date for completion and/or readiness?

Yes, the Seward Imagination Library is already operational.

PRINT FORM

SUBMIT FORM

2. Consideration of a Claim from Kenny Pekarek, 460 S Evergreen Dr., for Personal Property Damage in the Amount of \$115.00 - City Administrator Butcher



CITY OF SEWARD NEBRASKA
537 MAIN ST
PO BOX 38
SEWARD, NE 68434-0038

PH: 402-643-2928
FAX: 402-643-6491

CLAIM FORM

CONTACT INFORMATION

Name: Kenny Pekarek Home Phone: 402-641-8183
Address: 460 S. Evergreen Dr. Business Phone: _____
Date & Time of Incident: Aug 26, 2026 1-1:30 PM Cell Phone: _____
Location of Incident: our address/house Email: Kpekarek63@gmail.com
Type of Incident: ☐ Injured Person ☒ Property Damage ☐ Automobile Accident (Check all that apply)

INJURED PERSON

Occupation: _____ Employed by: _____
Did you see a doctor? Yes ☐ No ☒ Doctor's Name: _____
Were you hospitalized? Yes ☐ No ☒ Hospital: _____
Describe incident (nature & extent of injury): _____
Any Witnesses? _____

PROPERTY DAMAGE

List Property Damaged: Garage Door opener
Age of damaged property: 2 yrs Estimated cost of repair: \$115⁰⁰
How was the property damaged? During the power surge that occurred Aug 26, 2026, quit working. A service tech from Overhead Door made a service call on Aug 31, 2026, to re-program + calibrate main box.

AUTOMOBILE ACCIDENT

Driver, if other than owner: _____
Address: _____ Home Phone: _____
Estimated cost of repair: _____ Business Phone: _____
Vehicle: (year, make, model) _____ Police Notified? Yes ☐ No ☐
Your description of the accident: _____

INSURANCE INFORMATION

Amount of Claim: \$115⁰⁰ **(COPIES OF BILLS MUST BE ATTACHED VERIFYING AMOUNT OF CLAIM)**
Your Insurance Company: _____ Your Insurance Agent: _____
Insurance Company Phone: _____ Insurance Agent Phone: _____
Did you report a claim? Yes ☐ No ☐ Did you receive payment? Yes ☐ No ☐ Deductible: _____

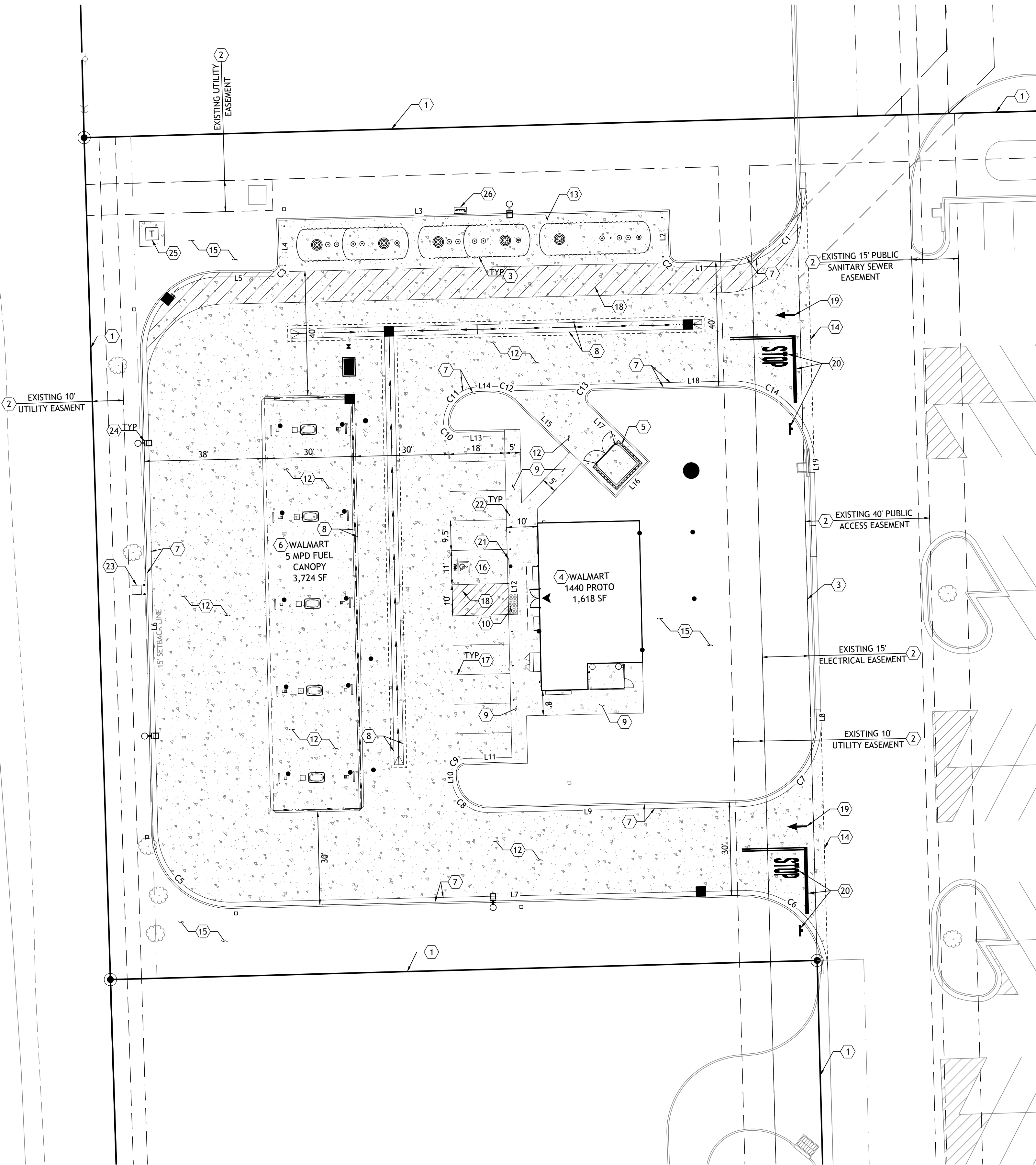
ADDITIONAL INFORMATION

Any other pertinent information: (write on back if more space needed) _____
Explain why you feel the City of Seward is responsible: Power began to flicker, partially out, surging, and then full outage, partial outage lasted approx. 20 minutes over my lunch break. K.P.

SIGNATURE OF CLAIMANT: Kenny Pekarek DATE: 8-31-2026

3. Consideration of an Open Burn Permit for Fairway Woods, Phase II - Building/Zoning & Code Enf. Director Dworak
4. Consideration of a Bulk Fuel Permit for Proposed Walmart Gas Station - Building/Zoning & Code Enf. Director Dworak

\\EgnyteDrive\Projects\BCE\24000s\24391\engineering\24391-A.dwg 7/16/2026 7:51 AM JGARVIN



ACCESSIBILITY PATH OF TRAVEL NOTE:

WALKWAYS ALONG ACCESSIBLE ROUTES OF TRAVEL SHALL BE CONTINUOUSLY ACCESSIBLE, A MINIMUM 48" IN WIDTH, HAVE A MAXIMUM 1.5% CROSS SLOPE, AND SHALL HAVE RAMPS COMPLYING WITH ACCESSIBILITY STANDARDS (SECTION 405 OF THE ICC A117.1) WHERE NECESSARY TO CHANGE ELEVATION AT A LONGITUDINAL SLOPE EXCEEDING 5% (1:20). CURB RAMPS WHERE PROVIDED SHALL COMPLY WITH ACCESSIBILITY REQUIREMENTS (SECTION 406 OF THE ICC A117.1) AND BE PROVIDED WITH A CONTINUOUS 36" WIDE DETECTABLE WARNING STRIP MEETING ACCESSIBILITY REQUIREMENTS (SECTION 705 OF THE ICC A117.1) PLACED WHERE A WALK CROSSES OR ADJOINS A VEHICULAR WAY AND IS NOT SEPARATED BY A CURB, RAILING, OR OTHER ELEMENT MEETING ACCESSIBILITY STANDARDS.

CIVIL SITE PLAN KEYNOTES:

- EXISTING PROPERTY LINE TO REMAIN.
- EXISTING EASEMENT AS NOTED.
- PROPOSED UNDERGROUND USTS. SEE FUELING PLANS FOR INFORMATION.
- PROPOSED C-STORE. SEE ARCHITECTURAL PLANS FOR INFORMATION.
- PROPOSED SOLID WASTE ENCLOSURE. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
- PROPOSED FUEL AREA AND CANOPY. SEE ARCHITECTURAL AND FUEL PLANS FOR ADDITIONAL INFORMATION.
- CURB AND GUTTER PER DETAIL 2/C7.0.
- CONCRETE SWALE PER DETAIL 4/C7.0.
- SIDEWALK (WIDTH VARIES PER PLAN) PER DETAIL 3/C7.0.
- DETECTABLE WARNING SURFACE PER DETAIL 5/C7.0.
- LIGHT DUTY CONCRETE PAVEMENT PER DETAIL 1/C7.0.
- HEAVY DUTY CONCRETE PAVEMENT PER DETAIL 1/C7.0.
- CONCRETE PAVEMENT OVER UNDERGROUND STORAGE TANKS. SEE TANK PLANS FOR ADDITIONAL INFORMATION.
- SAWCUT LIMITS, TYP.
- LANDSCAPE AREA. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
- SINGLE VAN ACCESSIBLE PARKING SPACE, WITH ALL REQUIRED STRIPING. SEE SHEET C300 FOR GRADING INFORMATION PER DETAIL 6/C7.0.
- 4" WIDE WHITE REFLECTIVE PAINT STRIPES.
- 4" WIDE REFLECTIVE PAINT 45 DEGREE STRIPING AT 3' MAX ON CENTER.
- TRAFFIC MARKING PER DETAIL 8/C7.1.
- STOP PAVEMENT MARKINGS AND SIGN PER DETAIL 7, 10, 811/C7.1.
- ACCESSIBLE PARKING SIGN WITH VAN IDENTIFICATION ON BOLLARD PER DETAIL 10/C7.1.
- BOLLARD, TYP. OF 19 PER DETAIL 9/C7.1.
- AIR MACHINE. SEE ARCHITECTURAL PLAN FOR INFORMATION.
- LOT LIGHT AND LIGHT POLE BASE PER DETAIL 18/C7.3.
- PROPOSED TRANSFORMER. SEE SHEET C500 FOR ADDITIONAL INFORMATION.
- VENT STACK. SEE TANK PLANS FOR ADDITIONAL INFORMATION.



LINE TABLE			
Line #	Length	Direction	
L1	15.02	N88° 41'	15.26°E
L2	13.58	S1° 18'	44.74°E
L3	125.47	N88° 41'	15.26°E
L4	13.66	N1° 18'	36.65°W
L5	16.12	N90° 00'	00.00°E
L6	154.29	N1° 18'	44.74°W
L7	164.75	S88° 41'	15.26°W
L8	4.99	N1° 36'	10.68°W
L9	81.28	N88° 41'	15.26°E
L10	1.53	S1° 18'	44.74°E
L11	15.00	S88° 41'	15.26°W
L12	106.50	S1° 18'	44.74°E
L13	14.98	N88° 41'	15.26°E
L14	4.74	S88° 41'	22.71°W
L15	44.48	N46° 18'	44.74°W
L16	15.00	S43° 41'	15.26°W
L17	26.38	S46° 18'	44.74°E
L18	44.29	S88° 41'	15.40°W
L19	5.00	N2° 13'	47.36°W

CURVE TABLE			
Curve #	Length	Radius	Delta
C1	37.33	25.00	85.55
C2	4.71	3.00	90.00
C3	4.78	3.00	91.31
C4	39.84	25.00	91.31
C5	39.27	25.00	90.00
C6	39.11	25.00	89.63
C7	38.38	25.00	87.97
C8	15.71	10.00	90.00
C9	4.71	3.00	90.00
C10	4.73	3.00	90.25
C11	15.66	10.00	89.75
C12	7.80	10.00	44.66
C13	7.07	3.00	135.00
C14	37.24	25.00	85.35



Know what's below.
Call before you dig.
Dial 811



Poisonous & Flammable Gases Storage Permit

Date: 07-31-2026 Site Address: 814 Respect Drive Bentonville, AK Permit No: _____

Legal Lot: 80021950 Block: _____ Subdivision: n/a

Applicants Name: CSG on behalf of Walmart Address: 814 Respect Drive Bentonville, AK 72716
Core States Group-

Phone: 425.251.6222 Dzanela Husic- Assistant Planner Email: dhusic@core-states.com

Type of Gas: Gasoline, Diesel, and E15

Gallons of Gas: 60,000

Location on Property: 1326 280th Seward Nebraska

Site Plan Attached ☒

Applicant agrees to follow all rules, regulations, specifications, and ordinances of the City of Seward, Nebraska.

Applicant **Dzanela Husic**
Digitally signed by Dzanela Husic
DN: C=US, E=dhusic@core-states.com,
O=Core States Group, CN=Dzanela
Husic
Date: 2026.07.31 16:39:11-06'00'

City Council Approval Date: _____

Per City Ordinance § 252-2.1

5. Items Related to the Wellness Center - Executive Director Brase
 - A. Discussion and Consideration about Implementation of Charging Sales Tax
 - B. Discussion and Consideration of a Scholarship Award Process
6. Consideration of an Amendment to the Agreement with The Schemmer Associates for Design Engineering Services for the 2nd Street Lift Station Temporary Treatment Project in the Amount of \$14,300.00 - City Engineer Oneby

This is **EXHIBIT A Part 2**, consisting of 3 pages, referred to in and part of the **Agreement between Owner and Engineer for Professional Services** dated June 2nd, 2026.

**AMENDMENT NO. 1
AMENDMENT TO OWNER-ENGINEER AGREEMENT**

1. Background Data

- a. Effective Date of Owner-Engineer Agreement: 06/06/2026
- b. Owner: City of Seward Nebraska
- c. Engineer: The Schemmer Associates, Inc.
- d. Project: SEWARD WWTF TEMPORARY TREATMENT

2. Nature of Amendment *[Check those that are applicable and delete those that are inapplicable.]*

- ☒ Additional Services to be performed by Engineer
- ☐ Modifications to Services of Engineer
- ☐ Modifications to Responsibilities of Owner
- ☐ Modifications to Payment to Engineer
- ☐ Modifications to Time(s) for rendering Services
- ☐ Modifications to other terms and conditions of the Agreement

3. Description of Modifications

Attachment 1, "Modifications"

Owner and Engineer hereby agree to modify the above-referenced Agreement as set forth in this Amendment. All provisions of the Agreement not modified by this or previous Amendments remain in effect. The Effective Date of this Amendment is _____.

OWNER:

City of Seward

By: _____

Title: _____

Date Signed: _____

Signed: _____

ENGINEER:

The Schemmer Associates, Inc.

By: Doug Holle

Title: Executive Vice President

Date Signed: September 2, 2026

Signed: _____



Modifications

1. Engineer shall perform the following Additional Services:

Services to be provided by Schemmer as set forth below:

A. RETAINING WALL DESIGN

The project consists of final retaining wall and slab design adjacent to a proposed sanitary influent wet well manhole for the Seward 2nd Street lift station.

Anticipated design effort includes:

- Reinforced concrete retaining wall design at one location surrounding the proposed influent wet well manhole.
 - Retaining wall to be designed with granular backfill and a live load surcharge equivalent to HL-93 loading.
- Slab designed for HL-93 loading, assuming continuously supported by sand beneath.
 - Slab will sit adjacent to retaining wall and be tied into retaining wall with dowels for differential settlement only (no force transfer). Slab will not be tied into proposed manhole.

Anticipated design deliverables include:

- Retaining Wall Details (2 Sheets) – Create sheets for retaining wall plan view layout and cross-sections. Details may also include a step transition and sheet pile turndown.
- Slab Details (1 Sheet) – Create sheet for slab plan view layout and cross-sections. Details to include thickened edge near manhole to mitigate potential frost heave and differential settlement.
- Pipe Hand Railing Details (1 Sheet) – Create sheet for pipe hand railing and associated anchorage details.

General Assumptions:

- Design will be in accordance with AASHTO LRFD, 10th Edition.
- NDOT OBM CADD standards will be utilized where possible, with v8i standards imported to OBM but with the formatting unchanged where an OBM standard does not exist.
- Construction consultation is not included in this Amendment.
- Quantities will be provided as a total estimate and For Information Only. No bill of bars table will be provided.

Other services that are considered additional effort and weren't anticipated in the original contract are as follows:

N/A

2. The responsibilities of Owner are modified as follows:

N/A

3. For the additional Services or the modifications to services set forth above, Owner shall pay Engineer the following additional or modified compensation:

1. The total estimated compensation under Item B-1 of Paragraph of C2.01 (Exhibit C) of the original agreement is amended to \$82,071.25 (original contract fee) + **\$14,300.00** (Amendment #1 fee) = **\$96,371.25**.

4. The schedule for rendering services is modified as follows:

Schemmer will begin retaining wall design as soon as possible.

5. Other portions of the Agreement (including previous amendments, if any) are modified as follows: N/A

7. Consideration of an Amendment to a Lease Agreement with AT&T Mobility Corporation for Installation of Communication Equipment at the 500,000-Gallon Water Tower - City Engineer Oneby

Market: Northern Plains
Cell Site Number: NEL02382
Cell Site Name: CNE_Seward NE
Fixed Asset Number: 14412492

SECOND AMENDMENT TO THE TOWER AND GROUND SPACE LEASE

THIS SECOND AMENDMENT TO THE TOWER AND GROUND SPACE LEASE ("Second Amendment"), dated as of the latter of the signature dates below, is by and between the City of Seward, having a mailing address of 537 Main Street, PO Box 38, Seward, Nebraska 68434 ("**Landlord**") and New Cingular Wireless PCS, LLC, a Delaware limited liability company, having a mailing address of 1025 Lenox Park Blvd NE, 3rd Floor, Atlanta, GA 30319 ("**Tenant**").

WHEREAS, Landlord and Tenant entered into a Tower and Ground Space Lease dated April 18, 2014, as amended by the First Amendment to the Tower and Ground Space Lease dated September 17, 2019, whereby Landlord leased to Tenant certain Premises, therein described, that are a portion of the Property located at 223 7th Street in the City of Seward, in Seward County, State of Nebraska ("**Lease**"); and

WHEREAS, Landlord and Tenant desire to amend the Agreement to allow for the replacement and installation of antennas, associated cables and communications instruments; and

WHEREAS, Landlord and Tenant, in their mutual interest, wish to amend the Agreement as set forth below accordingly.

NOW THEREFORE, in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Landlord and Tenant agree as follows:

1. **New Exhibit C-1.** Landlord consents to the replacement of antennas and installation of associated cables and equipment as more completely described on attached Exhibit C-1. Exhibit C-1 hereby replaces Exhibit C of the Agreement. Upon full execution of this Second Amendment, the Plans shall be deemed approved and accepted by Landlord pursuant to Section 2.a. of the Agreement.
2. **Base Rent.** Commencing October 1, 2026, Tenant's Base Rent shall be adjusted to Two Thousand Four Hundred (\$2,400.00) dollars per month.
3. **Adjusted Base Rent.** At the beginning of the next Renewal Term, effective September 18, 2029, and throughout the remaining duration of the Lease as renewed and extended, the Base Rent shall be increased by ten percent (10%) over the previous term's Base Rent.
4. **Governmental Mandates.** In the future, without the payment of additional rent and at a location mutually acceptable to Landlord and Tenant, Landlord agrees that Tenant may add,

modify and/or replace equipment in order to be in compliance with any current or future federal, state or local mandated application, including but not limited to emergency 911 communication services.

5. **Other Terms and Conditions Remain.** In the event of any inconsistencies between the Agreement and this Second Amendment, the terms of this Second Amendment shall control. Except as expressly set forth in this Second Amendment, the Agreement otherwise is unmodified and remains in full force and effect. Each reference in the Agreement to itself shall be deemed also to refer to this Second Amendment.
6. **Capitalized Terms.** All capitalized terms used but not defined herein shall have the same meanings as defined in the Agreement.

IN WITNESS WHEREOF, the parties have caused their properly authorized representatives to execute and seal this Second Amendment on the dates set forth below.

“LANDLORD”

City of Seward

By: _____
Name: _____
Title: _____
Date: _____

“TENANT”

New Cingular Wireless PCS, LLC

By: AT&T Mobility Corporation

Its: Manager

Signed by: Andrew Sackreiter
By: _____

Name: Andrew Sackreiter

Title: Director

Date: 09 September 2026 | 08:25:43 PDT

Initial
AS

Initial
SL

Initial
FA

EXHIBIT C-1

See attached exhibits comprised of thirty-two (32) pages, last revision date 6/4/2026, prepared by BC Architects & Engineers.

PROJECT INFORMATION			
SITE ADDRESS:	223 N 7TH ST SEWARD, NE 68434	NAME OF APPLICANT:	AT&T 7900 XERXES AVE S BLOOMINGTON, MN 55431
LATITUDE:	N 40° 54' 32.98"	PROPERTY OWNER:	CITY OF SEWARD 537 MAIN ST. SEWARD, NE 68434
LONGITUDE:	W 97° 06' 04.06"	TOWER OWNER:	CITY OF SEWARD
JURISDICTION:	CITY OF SEWARD		
PARCEL ID:	800078233, 800078268		
ZONING:	N/A		
GROUND ELEVATION:	1495'± (AMSL IN FEET)		
TOWER TYPE:	WATER TOWER		
FA#:	14412492		

UTILITY INFORMATION			
POWER:	NORRIS PUBLIC POWER DISTRICT	(402) 223-4038	
TELCO:	NETLINK INC	(248) 204-8800	

DRAWING INDEX		REV
T-1	TITLE SHEET	6
A-0	SITE PLAN	6
A-1	COMPOUND PLAN	6
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A-1.2	GROUND EQUIPMENT DETAILS	6
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A-6	TOWER SECTION NOTES	6
E-0	FIBER SITE PLAN	6
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E-3	ELECTRICAL DETAILS	6
E-4	COMPOUND GROUNDING PLAN	6
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E-6	GROUNDING DETAILS	6
E-7	POWER CALCULATION SHEET	6
E-8	ELECTRICAL SECTION NOTES	6
SP-1	GENERAL NOTES	6

SCOPE OF WORK	
PROPOSED NOKIA TO E/// SWAP METHOD: WARM AZ: 35/135/255 RAD HEIGHT: 152	GROUND SOW: 1. INSTALL (1) FLX21 CABINET 2. INSTALL (2) DC12-48-60-0-25E 3. INSTALL (1) NETSURE -48VDC OUTDOOR 512NGFB 525A 4. INSTALL NEW ERICSSON BBU EQUIPMENT IN FLX21
TOWER SOW: 1. INSTALL (3) NNH4-65C-R6-V4 IN POS A1/B1/C1 2. INSTALL (3) CELLMAX 120726 IN POS A3/B3/C3 3. INSTALL (3) AIR6419 B77D (TOP/STACKED) & (3) AIR6419 B77G (BOT/STACKED) ON POS A2/B2/C2 4. INSTALL (3) 4472 B12A ON POS A1/B1/C1 5. INSTALL (3) 4890 B25/66 ON POS A3/B3/C3 6. INSTALL (3) 4494 B14/B29 ON POS A3/B3/C3 7. INSTALL (3) DC9-48-60-24-8C-EV. ONE PER SECTOR 8. INSTALL (3) 24 PAIR FIBER. ONE PER SECTOR 9. INSTALL (6) PWRT-606 10.REMOVE EXISTING RRH AND ANTENNAS	5. INSTALL (10) R48-2000E3 6. INSTALL (8) 190AH BATTERIES 7. INSTALL (1) UTILITY H-FRAME 8. INSTALL (1) ICE BRIDGE 9. INSTALL (N) 200A METER 10. INSTALL (1) CIENA 11.REMOVE (12) EXISTING BATTERIES

NOTES	
MAGNETIC DECLINATION - 2° 48' E ± 0° 22' CHANGING BY 0° 4' W PER YEAR AS OF 03/23/2026	
NO WORK IS TO BE PERFORMED ON THIS SITE WITHOUT REVIEW OF THE APPROVED STRUCTURAL ANALYSIS, IF ANY DISCREPANCIES ARE FOUND THE GENERAL CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING. AT NO TIME WILL ANY ADDITIONAL ANTENNAS BE INSTALLED WITHOUT WRITTEN CONSENT FROM TOWER ENGINEER.	

BC

architects
engineers

5661 COLUMBIA PIKE, SUITE 200
FALLS CHURCH, VA 22041-2868
TEL: (703) 671-8000
FAX: (703) 671-6300

amentum

2 ASH STREET, ST #3000
CONSHOHOCKEN, PA 19428

CNE_SEWARD NE
14412492

SITE ADDRESS:
223 N 7TH ST
SEWARD, NE 68434

AT&T

7900 XERXES AVE S
BLOOMINGTON, MN 55431

6	06-04-26	FINAL CONSTRUCTION DRAWINGS	SD	NP	BMQ
5	03-23-26	FINAL CONSTRUCTION DRAWINGS	GMW	NP	BMQ
4	12-09-25	FINAL CONSTRUCTION DRAWINGS	SD	NP	CDM
3	10-28-25	FINAL CONSTRUCTION DRAWINGS	GMW	GMW	CDM
2	09-12-25	FINAL CONSTRUCTION DRAWINGS	SD	GMW	CDM
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE:		AS SHOWN	DESIGNED	GMW	DRAWN
				GMW	

THIS PAGE CONTAINS CONFIDENTIAL, PROPRIETARY OR TRADE SECRET INFORMATION EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW		
AT&T PROJECTS		
TITLE SHEET		
BC architects engineers	DRAWING NUMBER	REV
	T-1	6

AT&T

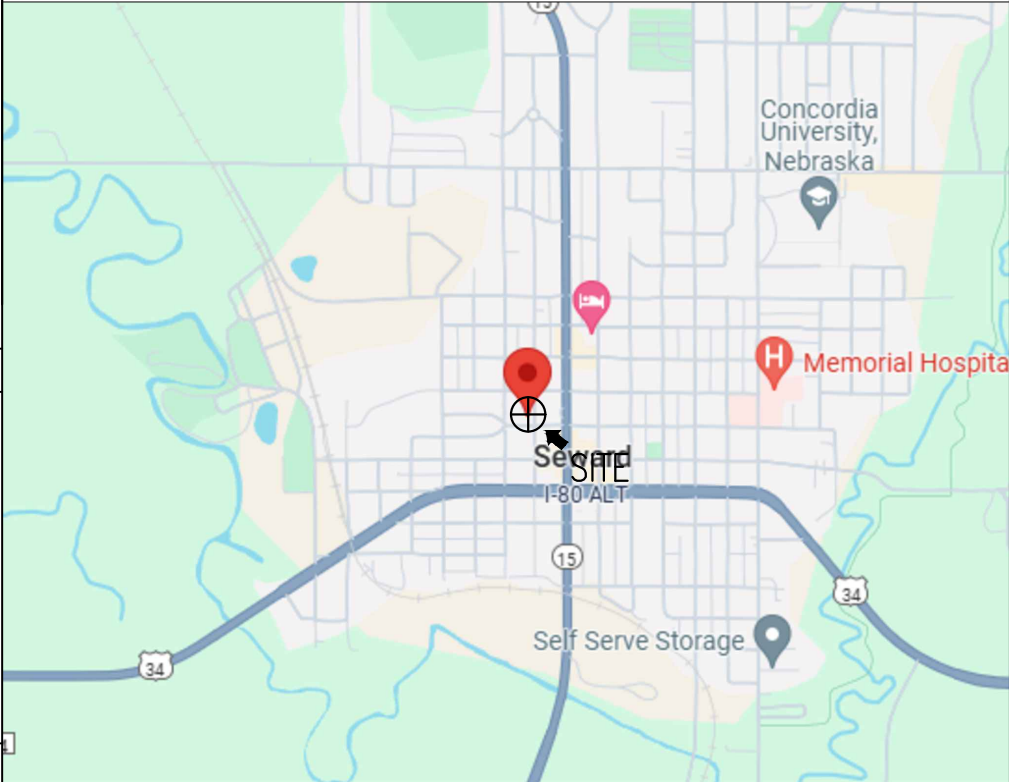
amentum

SITE NAME: CNE_SEWARD NE
FA #: 14412492
IWN #:
WSUMW0028404/WSUMW0028362/WSUMW0029184/WSUMW0029055
PTN #: 3525A1AG8R/3525A1AG8T/3525A1AG45/3525A1AG7T
NEW SITE BUILD - ANTENNA & RRH ADD

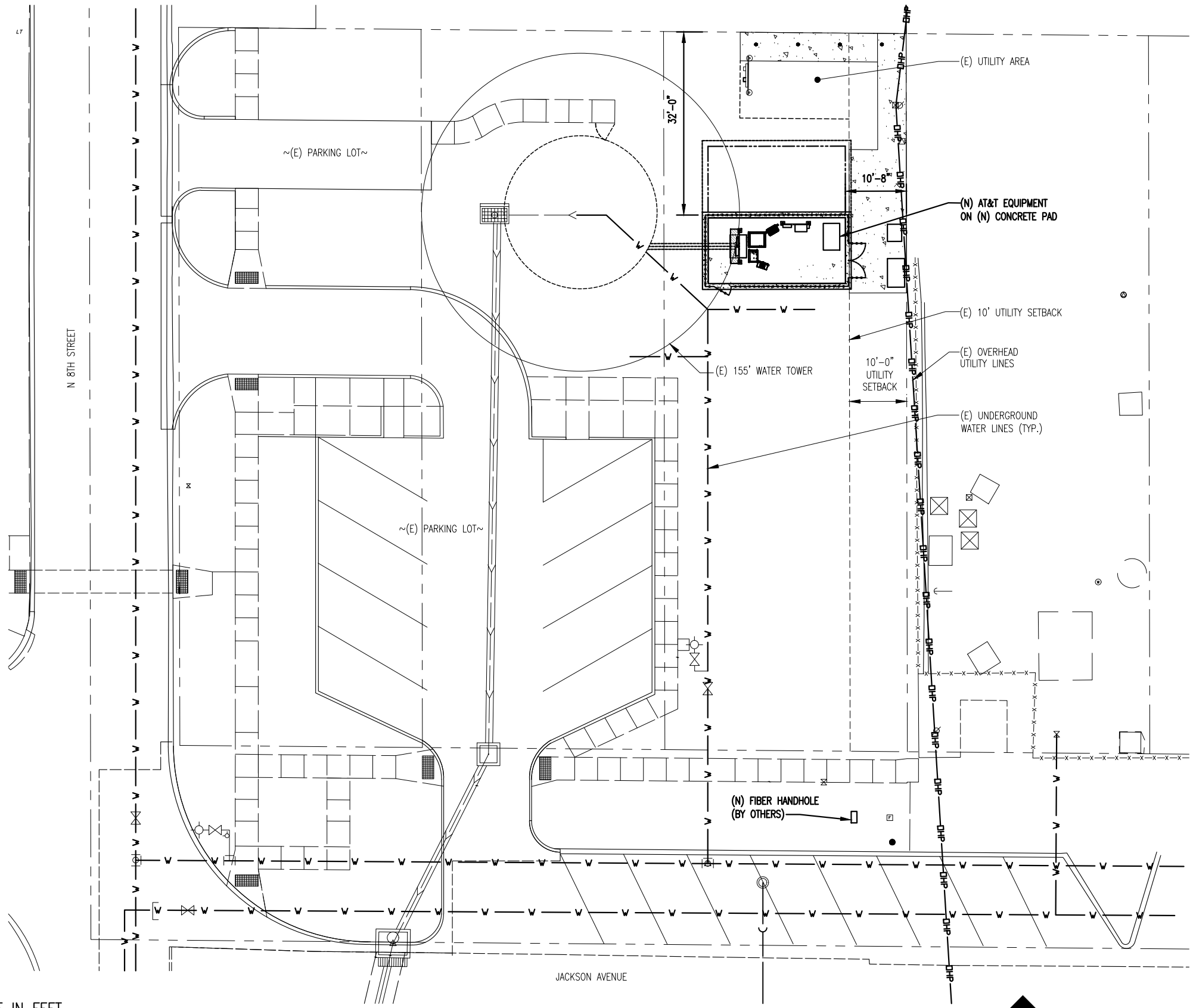
811

Know what's below.
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FOR MORE INFORMATION CONTACT THE STATE CORPORATION COMMISSION DIVISION OF UTILITY AND RAILROAD SAFETY
NEBRASKA UTILITY PROTECTION SERVICE, INC.
CALL BEFORE YOU DIG:
800-331-5666

VICINITY MAP		APPLICABLE BUILDING CODES AND STANDARDS
DIRECTIONS: 		SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN. ATT STANDARDS - ATT-TP 76300, ATT -+P 76416 & ATT UPDATES AS REQUIRED BUILDING CODE: INTERNATIONAL BUILDING CODE 2018 W/ AMENDMENTS (IBC 2018 W/ AMENDMENTS) ELECTRICAL CODE: NFPA 70, 2017 W/ AMENDMENTS SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS: AMERICAN CONCRETE INSTITUTE (ACI) 318-11, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, THIRTEENTH EDITION. TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) TIA 222-H, STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES. TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS. INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) IEEE 81-2012, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM. RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT. IEEE C2, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C2" AND "HIGH SYSTEM EXPOSURE"). TELCORDIA, GR-1275, GENERAL INSTALLATION REQUIREMENTS. ANSI T1.311, FOR TELECOM - DC POWER SYSTEMS - TELECOM, ENVIRONMENTAL PROTECTION. FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.
		
SCALE: 1"=2000'(11X17) 1"=1000'(24X36)		
		





SITE PLAN
SCALE: 1"=20' (11x17)
SCALE: 1"=10' (24x36)



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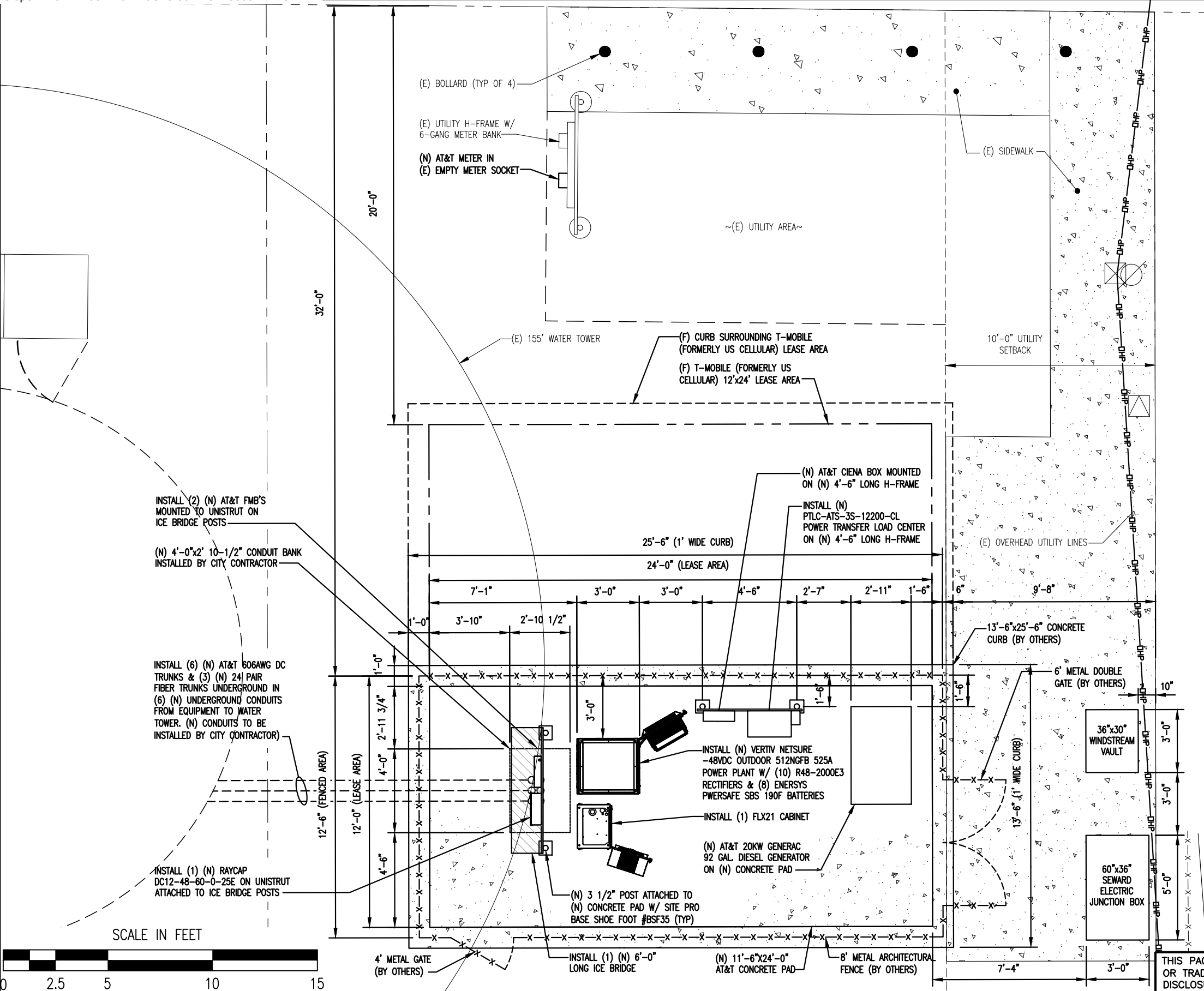
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6	06-04-26	FINAL CONSTRUCTION DRAWINGS	SD	NP	BMQ
5	03-23-26	FINAL CONSTRUCTION DRAWINGS	GMW	NP	BMQ
4	12-09-25	FINAL CONSTRUCTION DRAWINGS	SD	NP	CDM
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2	09-12-25	FINAL CONSTRUCTION DRAWINGS	SD	GMW	CDM
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED GMW	DRAWN GMW		

AT&T PROJECTS		
SITE PLAN		
DRAWING NUMBER		REV
A-0		6





- SCOPE OF WORK
- BOTTOMSIDE:
1. INSTALL (1) FLX21 CABINET

2. INSTALL (2) DC12-48-60-0-25E

3. INSTALL (1) NETSURE -48VDC OUTDOOR 512NGFB 525A

4. INSTALL NEW ERICSSON BBU EQUIPMENT IN FLX21

5. INSTALL (10) R48-2000E3

6. INSTALL (8) 190AH BATTERIES

7. INSTALL (1) UTILITY H-FRAME

8. INSTALL (1) ICE BRIDGE

9. INSTALL (N) 200A METER

10. INSTALL (1) CIENA

11. REMOVE (12) EXISTING BATTERIES

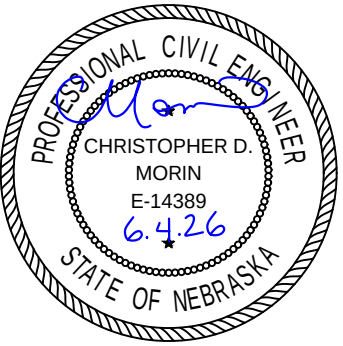


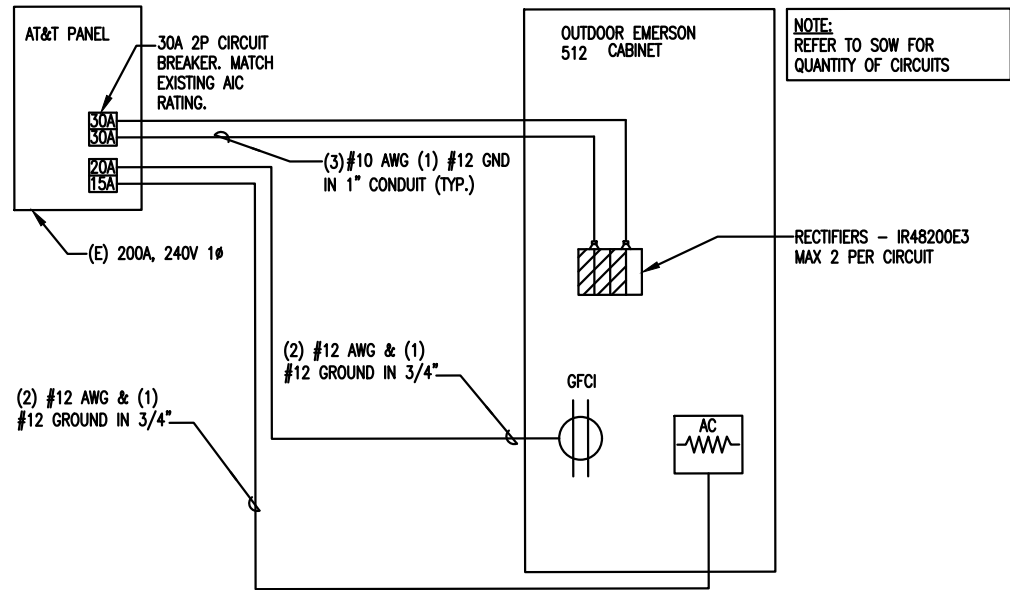
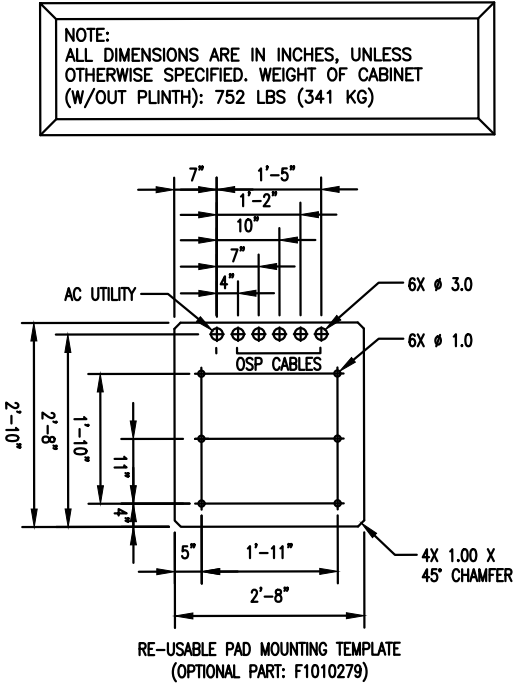
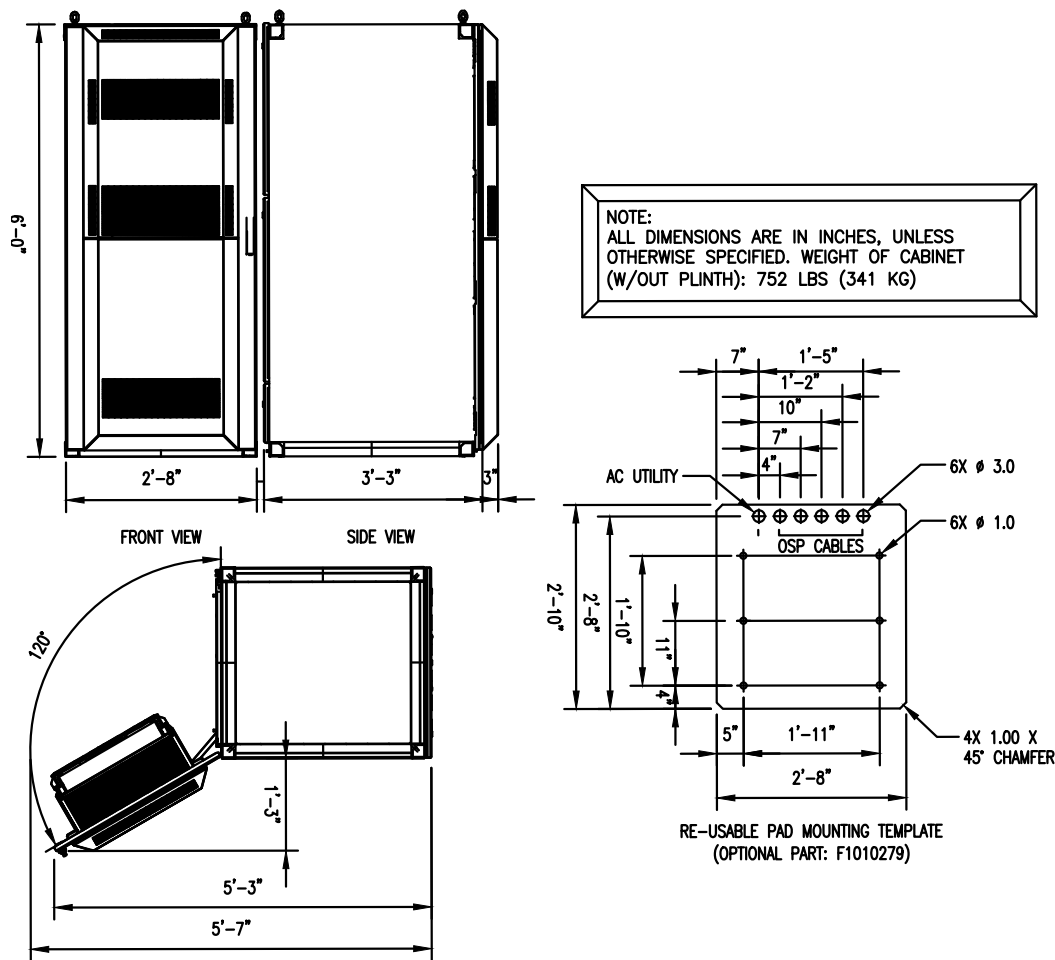
PROPOSED COMPOUND PLAN 1
SCALE: 1"=5' (11x17)
SCALE: 1"=2.5' (24x36)



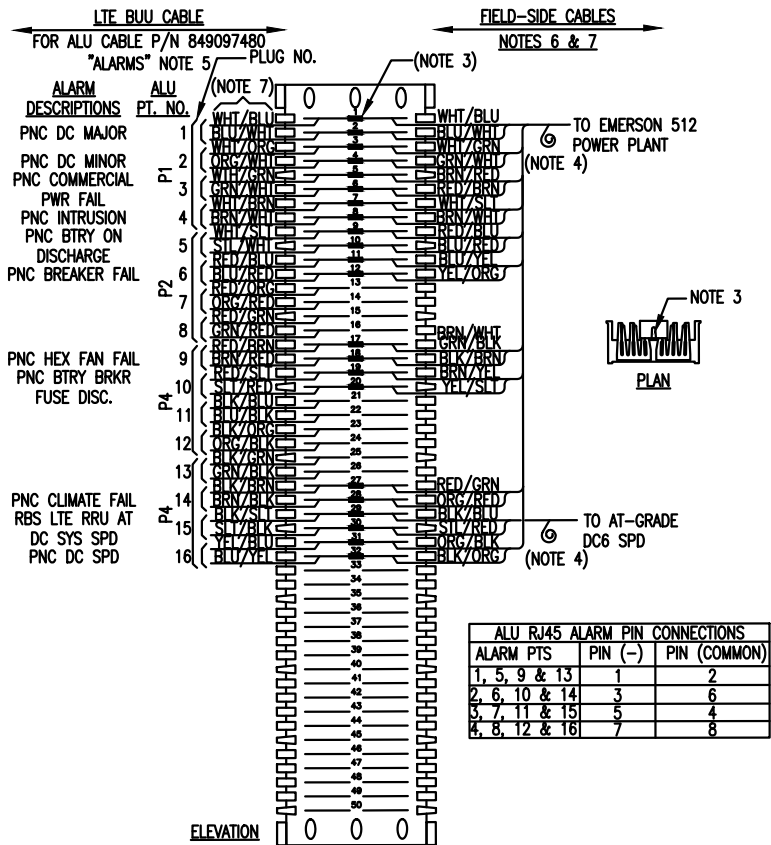
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BC architects engineers 5661 COLUMBIA PIKE, SUITE 200 FALLS CHURCH, VA 22041-2868 TEL: (703) 671-6000 FAX: (703) 671-6300	amentum 2 ASH STREET, ST #3000 CONSHOHOCKEN, PA 19428	CNE_SEWARD NE 14412492 SITE ADDRESS: 223 N 7TH ST SEWARD, NE 68434	AT&T 7900 XERXES AVE S BLOOMINGTON, MN 55431	6	06-04-26	FINAL CONSTRUCTION DRAWINGS	SD	NP	BMQ	AT&T PROJECTS		
				5	03-23-26	FINAL CONSTRUCTION DRAWINGS	GMW	NP	BMQ			
				4	12-09-25	FINAL CONSTRUCTION DRAWINGS	SD	NP	CDM	COMPOUND PLAN		
				3	10-28-25	FINAL CONSTRUCTION DRAWINGS	GMW	GMW	CDM			
				2	09-12-25	FINAL CONSTRUCTION DRAWINGS	SD	GMW	CDM	BC architects engineers	DRAWING NUMBER	REV
				NO.	DATE	REVISIONS			BY			
SCALE:		AS SHOWN		DESIGNED		GMW		DRAWN				
										A-1		6





NETSURE 512 OUTDOOR PDU
SCALE: N.T.S.



CIRCUIT	BLOCK	COLOR	B WIRE	COLOR	B WIRE	COLOR	ALARM	AT&T	ASSIGNMENT
13	GRAY	YEL/SLT	BRN/YEL	BATT BRK	BTRY BKR				
12	GRAY	YEL/GRN	GRN/YEL	PROBE	NOT USED				
11	GRAY	YEL/ORG	BLU/YEL	SURGE	DC SPD				
10	GRAY	SLT/BLK	BLK/SLT	CONV	NOT USED				
9	GRAY	BLK/BRN	GRN/BLK	TEMP	CLIMATE				
8	GRAY	BLK/ORG	ORG/BLK	RFA	DC MINOR				
7	GRAY	SLT/RED	BLK/BLU	FA	FA				
6	GRAY	RED/BRN	BRN/RED	AC FAIL	BRKR FAIL				
5	GRAY	ORG/RED	RED/GRN	ECU	PWR FAIL				
4	GRAY	BLU/RED	RED/BLU	B ON D	HEX FAN				
3	GRAY	BRN/WHY	WHT/SLT	INTRUSION	BATT DISCH				
2	GRAY	GRN/WHT	WHT/GRN	MAJOR	DC MAJOR				
1	GRAY	WHT/BLU	WHT/BLU	CRITICAL	NOT USED				

- NOTE:
1. MOUNT 66 BLOCK NEAR EXISTING ALARM BLOCKS.
 2. WIRE TO PROVIDE CONTINUITY WHEN CONDITION IS NORMAL
 3. INSTALL BRIDGING CLIPS AS REQUIRED
 4. ALL SPARE, UNUSED CONDUCTORS SHALL BE TURNED BACK AND STORED FOR POSSIBLE FUTURE USE.
 5. ALCATEL-LUCENT PRE-ASSEMBLED LTE BBU CABLE SHALL BE USED UNLESS OTHERWISE DIRECTED BY THE MARKET. WHEN FIELD ASSEMBLED, THE CABLE SHALL BE 16-TWISTED PAIRS. 24 AWG, SOLID BARE COPPER, SHIELDED UL TYPE CMR/CMG, WITH PVC JACKET. THE BBU END SHALL BE FITTED WITH FOUR RJ-45 PLUGS CONNECTED AS SHOWN.
 6. FIELD-SIDE CABLES SHALL BE TWISTED PAIRS, 24 AWG, SOLID BARE COPPER, UNSHIELDED (PREFERRED) OR SHIELDED. CABLES FOR INDOOR INSTALLATION SHALL BE UL TYPE CMR/CMG, OR CMX WITH PVC RESISTANT. THE NUMBER OF PAIRS SHALL BE AS NECESSARY FOR THE REQUIRED ALARMS. ANSI STANDARD COLOR CODE IS SHOWN. APPROVED ALTERNATE COLOR CODE MAY BE USED AND SHALL BE DOCUMENTED ON AS-BUILT DRAWINGS.
 7. TWO ALU CABLE TYPES MAY BE SUPPLIED;
ALU CABLE P/N 849097480, LABLED "ALARMS."
ALU CABLE P/N 849066840, LABLED "T1/E1 AND ALARMS"
CONNECT SHIELD DRAIN WIRE TO A GROUND AT THE ALARM BLOCK. PUNCH DOWN WITHER CABLE IN STANDARD COLOR CODE SEQUENCE AS SHOWN. ALU ALARM INPUT POINT NUMBERS ARE DIFFERENT FOR THE TWO CABLE TYPRES. PUNCH DOWN FIELD SIDE AS SHOWN FOR ALU CABLE TYPE FURNISHED FOR THE SITE.
- *AS REQUIRED

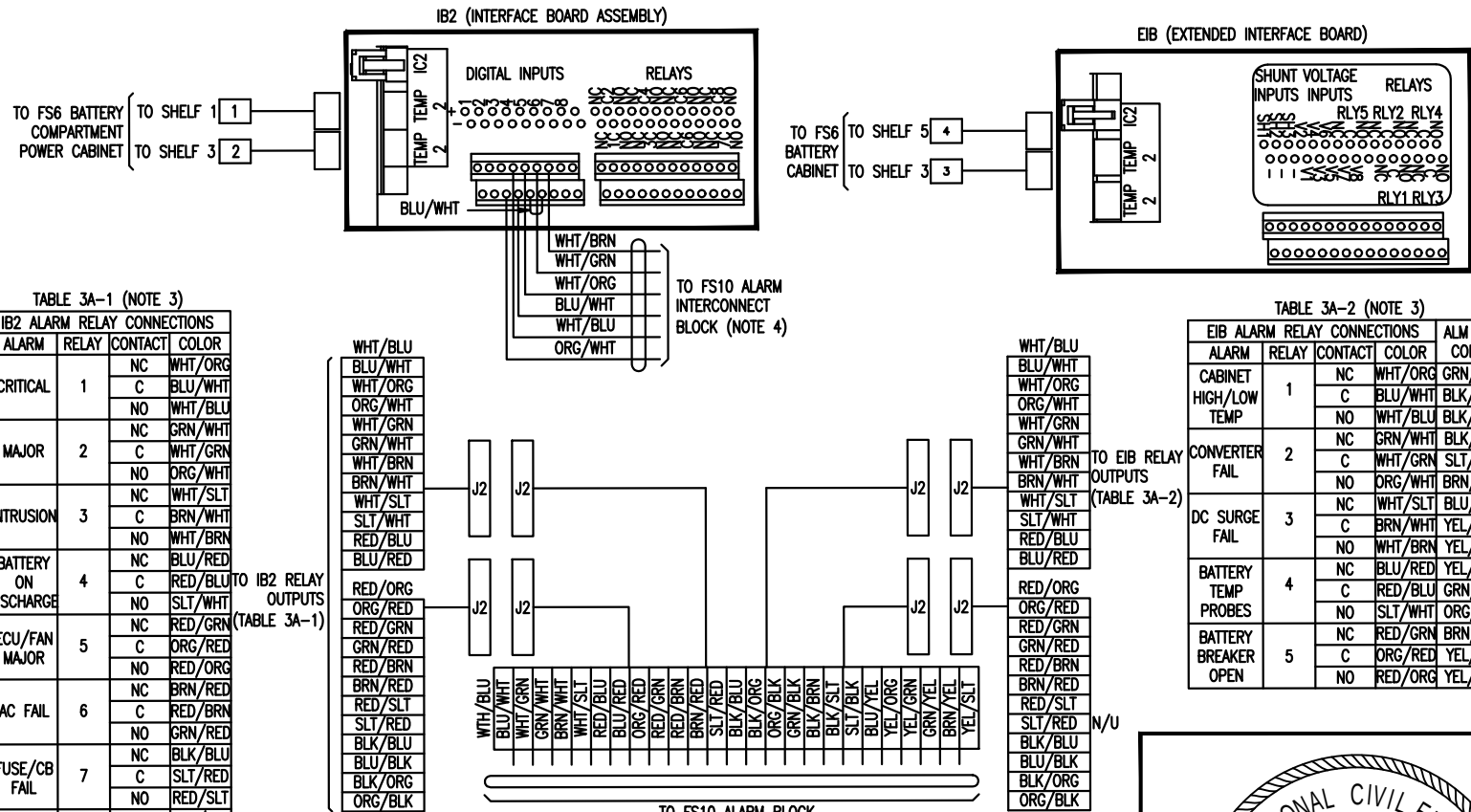


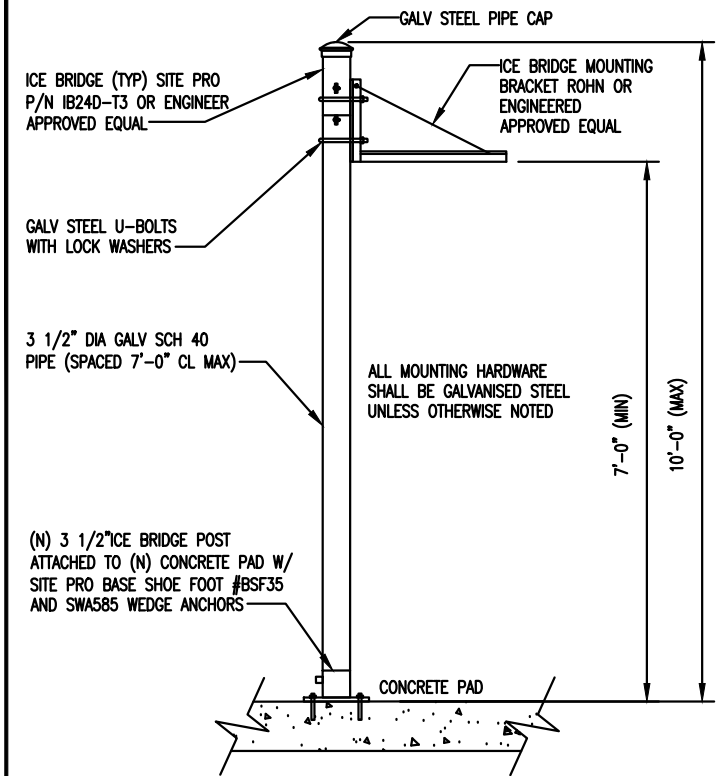
TABLE 3A-1 (NOTE 3)				
ALARM	RELAY	CONTACT	COLOR	
CRITICAL	1	NC	WHT/ORG	
		C	BLU/WHT	
		NO	WHT/BLU	
MAJOR	2	NC	GRN/WHT	
		C	WHT/GRN	
		NO	ORG/WHT	
INTRUSION	3	NC	WHT/SLT	
		C	BRN/WHT	
		NO	WHT/BRN	
BATTERY ON DISCHARGE	4	NC	BLU/RED	
		C	RED/BLU	
		NO	SLT/WHT	
ECU/FAN MAJOR	5	NC	RED/GRN	
		C	ORG/RED	
		NO	RED/ORG	
AC FAIL	6	NC	BRN/RED	
		C	RED/BRN	
		NO	GRN/RED	
FUSE/CB FAIL	7	NC	BLK/BLU	
		C	SLT/RED	
		NO	RED/SLT	
RECT. FAIL	8	NC	ORG/BLK	
		C	BLK/ORG	

TABLE 3A-2 (NOTE 3)				
ALARM	RELAY	CONTACT	COLOR	ALM BLK COLOR
CABINET HIGH/LOW TEMP	1	NC	WHT/ORG	GRN/BLK
		C	BLU/WHT	BLK/BRN
		NO	WHT/BLU	BLK/GRN
CONVERTER FAIL	2	NC	GRN/WHT	BLK/SLT
		C	WHT/GRN	SLT/BLK
		NO	ORG/WHT	BRN/BLK
DC SURGE FAIL	3	NC	WHT/SLT	BLU/YEL
		C	BRN/WHT	YEL/ORG
		NO	WHT/BRN	YEL/BLU
BATTERY TEMP PROBES	4	NC	BLU/RED	YEL/GRN
		C	RED/BLU	GRN/YEL
		NO	SLT/WHT	ORG/YEL
BATTERY BREAKER OPEN	5	NC	RED/GRN	BRN/SLT
		C	ORG/RED	YEL/SLT
		NO	RED/ORG	YEL/BRN

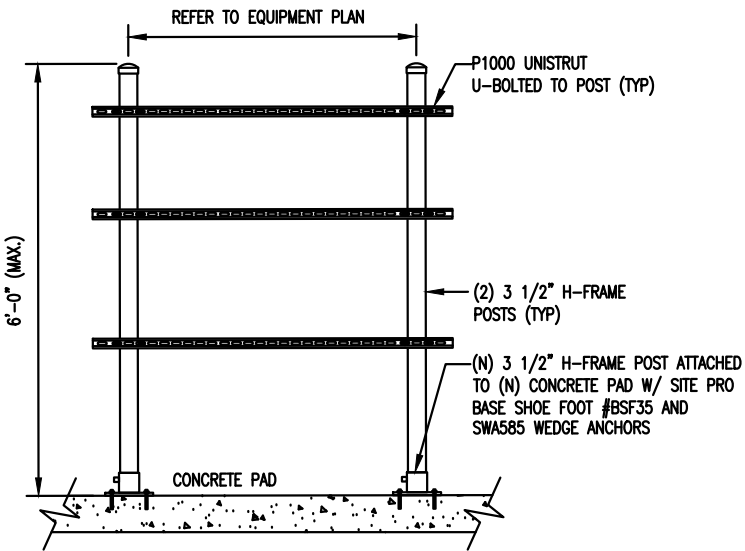
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AT&T PROJECTS

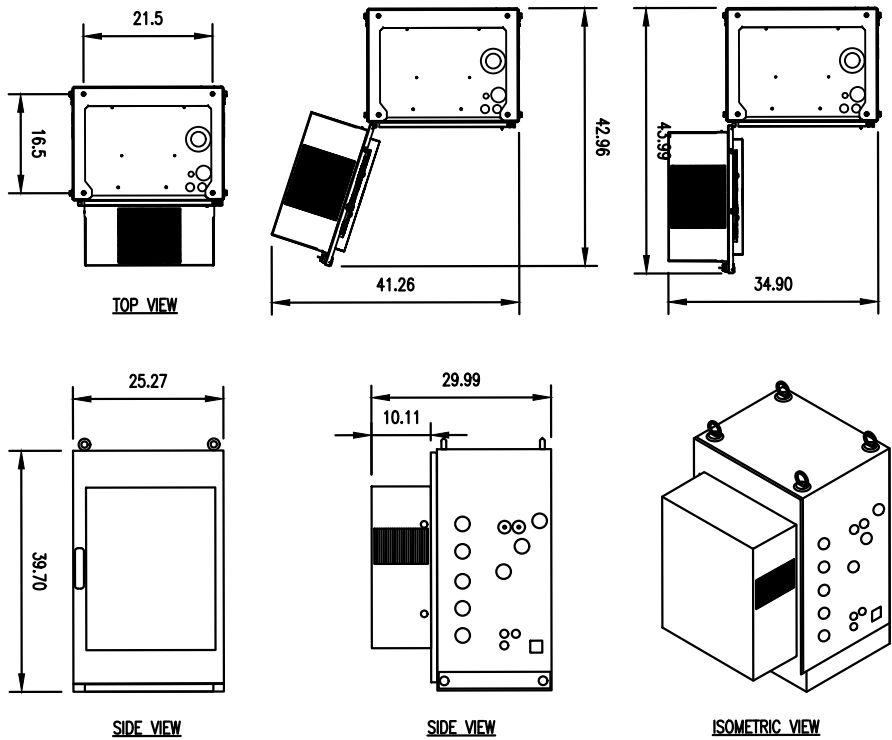
GROUND EQUIPMENT DETAILS



ICE BRIDGE DETAIL 1
SCALE: N.T.S.



H-FRAME DETAIL 2
SCALE: N.T.S.



FLX21 CABINET DETAILS 3
SCALE: N.T.S.



Product No	Description
PTLC-ATS-3S-12200-CL_ATT	240/120, 1Ø, 200A, 3-source PTLC integrates ASCO Series 300-G ATS; Strikesorb; 30-position Square D NQ load center; GFIC receptacle; ICGC CamLock connector panel mounted on the right side; aluminum NEMA 3R enclosure (RAL 7032)
PTLC-ATS-3S-12200-CL-L_ATT	240/120, 1Ø, 200A, 3-source PTLC integrates ASCO Series 300-G ATS; Strikesorb; 30-position Square D NQ load center; GFIC receptacle; ICGC CamLock connector panel mounted on the left side; aluminum NEMA 3R enclosure (RAL 7032)

General Data

Enclosure dimensions* (H x W x D)
60" x 25" x 15"
60" x 35" x 15" with CamLock enclosure
*Dimensions may change. Drawings may be requested for current outline specifications.

Weight

≥ 150 lbs

Door

3-point pad-lockable
ICGC also is pad-lockable

Convenience receptacle

20A GFIC external receptacle

Rating

NEMA 3R

Composition

Aluminum

Powder coat paint

RAL 7032

Other Pantone colors may be requested

UL certification

UL 891 – Dead Front Switchboard

UL 1008 – ATS and ICGC

Load Center

Panel board type

Square D, NQ Series

Circuit breaker positions

30 circuits

Electrical Specifications

120/240 V, 1Ø, or 120/208 V, 3Ø

200 A maximum

SCRR based on branch devices

42 kA, Sq D Type QH or QHB

22 kA, Sq D Type ZO-VH or QOB-VH

10 kA, Sq D QO or QOB

ATS Accessories

4AR – Utility fail relay

11BE – Fully-programmable engine exerciser

- Exercise with or without load
- Exercise daily, weekly, bi-weekly or monthly
- Setting displayed and changed from interface keypad

18RX – Relay for source availability

- Contacts for utility and one emergency source (second emergency contact on switch)
- Additional output relay, default to indicate common alarm

Suppression Technology

Technology type

Strikesorb 40mm, 120 V module

Certification

UL 1449 3rd Edition (or current)

CE

VDE

ICGC – CamLock Generator

Connection Panel

Color-coded connectors

Pad-lockable enclosure

INTERSECT PTLC-ATS-3S-12200-CL
POWER TRANSFER LOAD CENTER
SCALE:N.T.S.

4
A-1.2

6	06-04-26	FINAL CONSTRUCTION DRAWINGS	SD	NP	BMQ
5	03-23-26	FINAL CONSTRUCTION DRAWINGS	GMW	NP	BMQ
4	12-09-25	FINAL CONSTRUCTION DRAWINGS	SD	NP	CDM
3	10-28-25	FINAL CONSTRUCTION DRAWINGS	GMW	GMW	CDM
2	09-12-25	FINAL CONSTRUCTION DRAWINGS	SD	GMW	CDM
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED GMW	DRAWN GMW		

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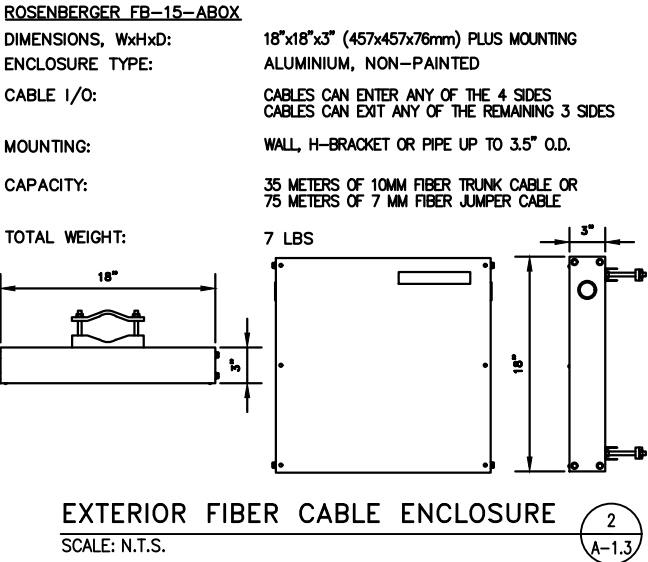
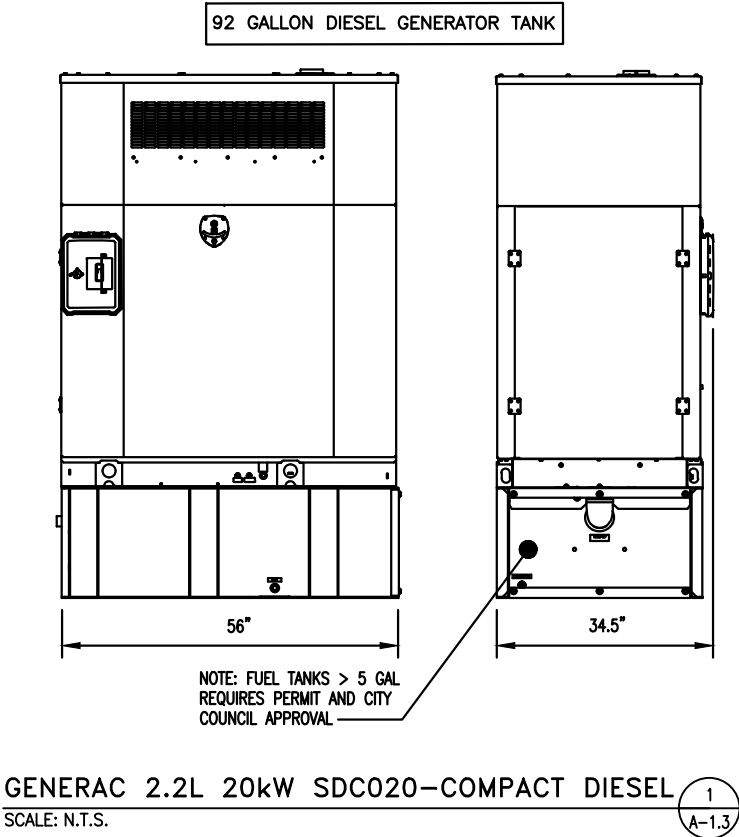
GROUND EQUIPMENT DETAILS

DRAWING NUMBER

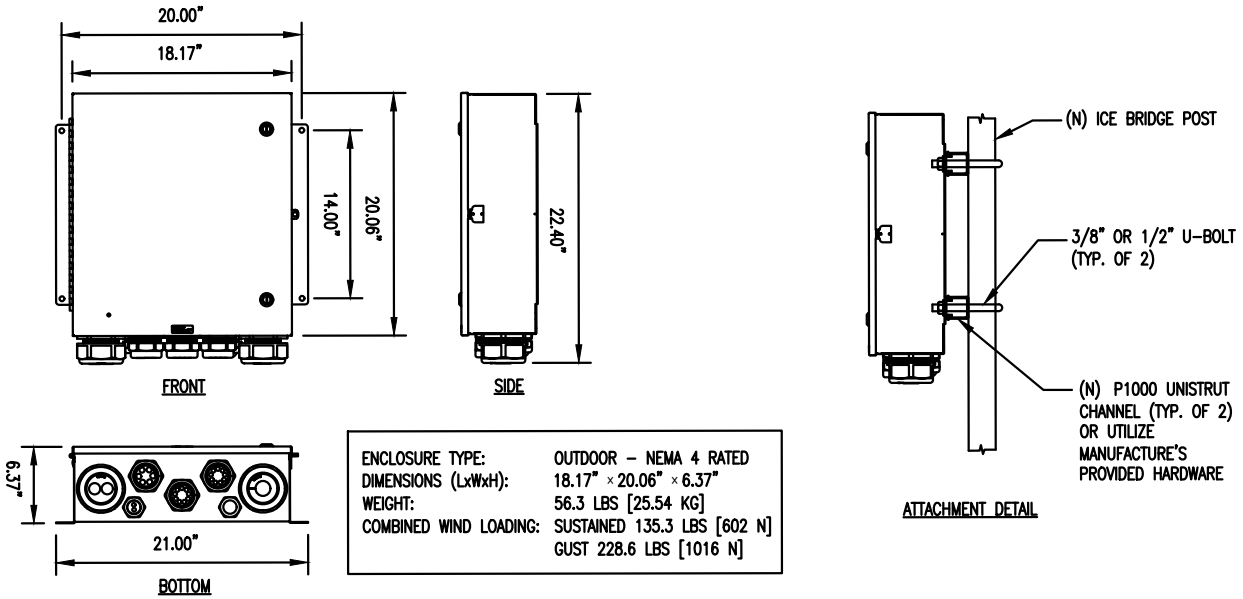
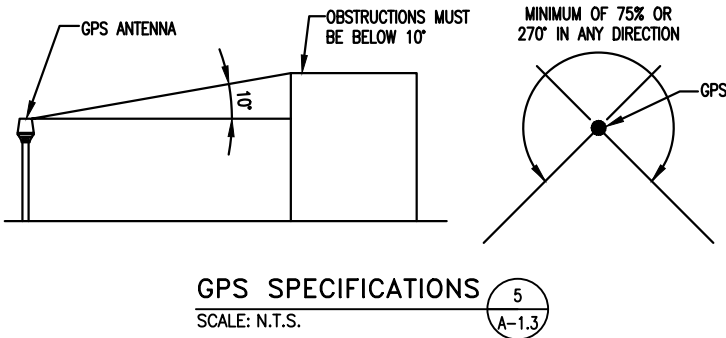
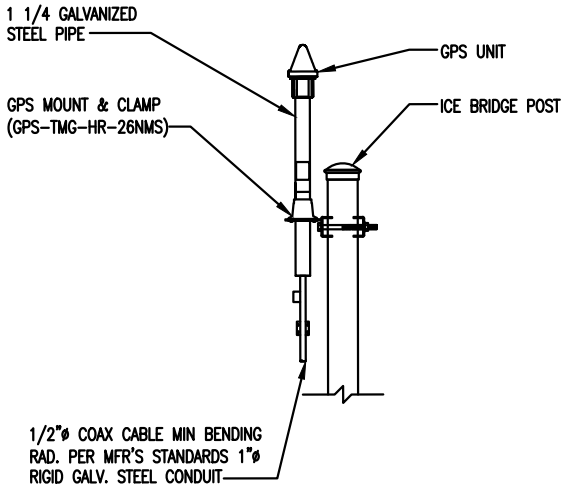
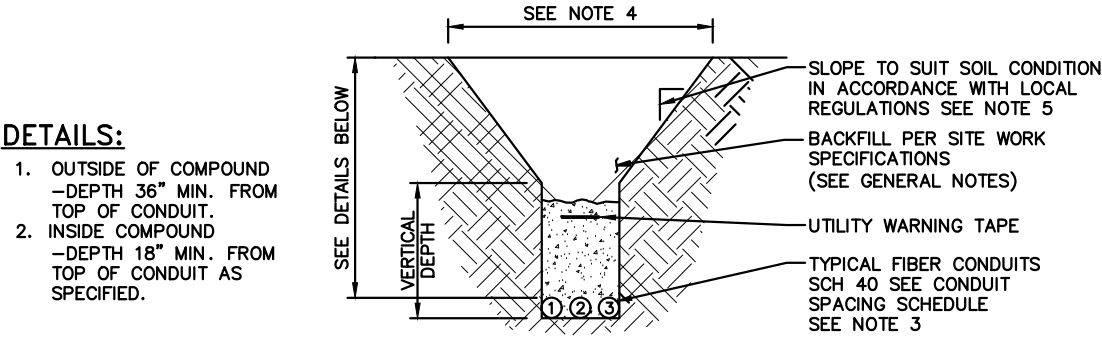
A-1.2

REV

6



1. ALL UNDERGROUND CONDUITS SHALL BE SCH 40 PVC. EXCEPT THAT ELBOWS AND RISERS SHALL BE RMC ALL UNDERGROUND ELBOWS SHALL BE SWEEPING BENDS 2'-0" MINIMUM SHALL BE REQUIRED
2. THE TELEPHONE SERVICE CABLES SHOULD BE INSTALLED IN RIGID METAL CONDUIT, (10'-0") TEN FEET IN LENGTH BEFORE ENTERING A SHELTER OR BUILDING PER AT&T STANDARD ATT-TP 26416.
3. THREE CONDUITS ARE SHOWN BELOW, ALTHOUGH MULTIPLE CONDUITS CAN BE PLACED IN THE SAME TRENCH A MINIMUM SEPARATION IS REQUIRED PER THE LOCAL JURISDICTIONS AND UTILITY COMPANIES IN ALL OTHER CASES, USE THE CONDUIT SPACING SCHEDULE TO MAINTAIN MINIMUM SPACING BETWEEN THE EXTERIOR WALL TO EXTERIOR WALL SEPARATION OF CONDUITS
4. CONTRACTOR SHALL RESTORE THE TRENCH TO ITS ORIGINAL CONDITIONS BY EITHER SEEDING OR SODDING GRASS AREAS, OR REPLACING ASPHALT OR CONCRETE AREAS TO ITS ORIGINAL CROSS SECTION
5. TRENCHING SAFETY; INCLUDING, BUT NOT LIMITED TO SOIL CLASSIFICATION, SLOPING, AND SHORING, SHALL BE GOVERNED BY THE CURRENT OSHA TRENCHING AND EXCAVATION SAFETY STANDARDS
6. ALL CONDUITS SHALL BE INSTALLED IN COMPLIANCE WITH THE NATIONAL ELECTRIC CODE (NEC) OR AS REQUIRED BY THE LOCAL JURISDICTION.



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NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED GMW	DRAWN GMW		

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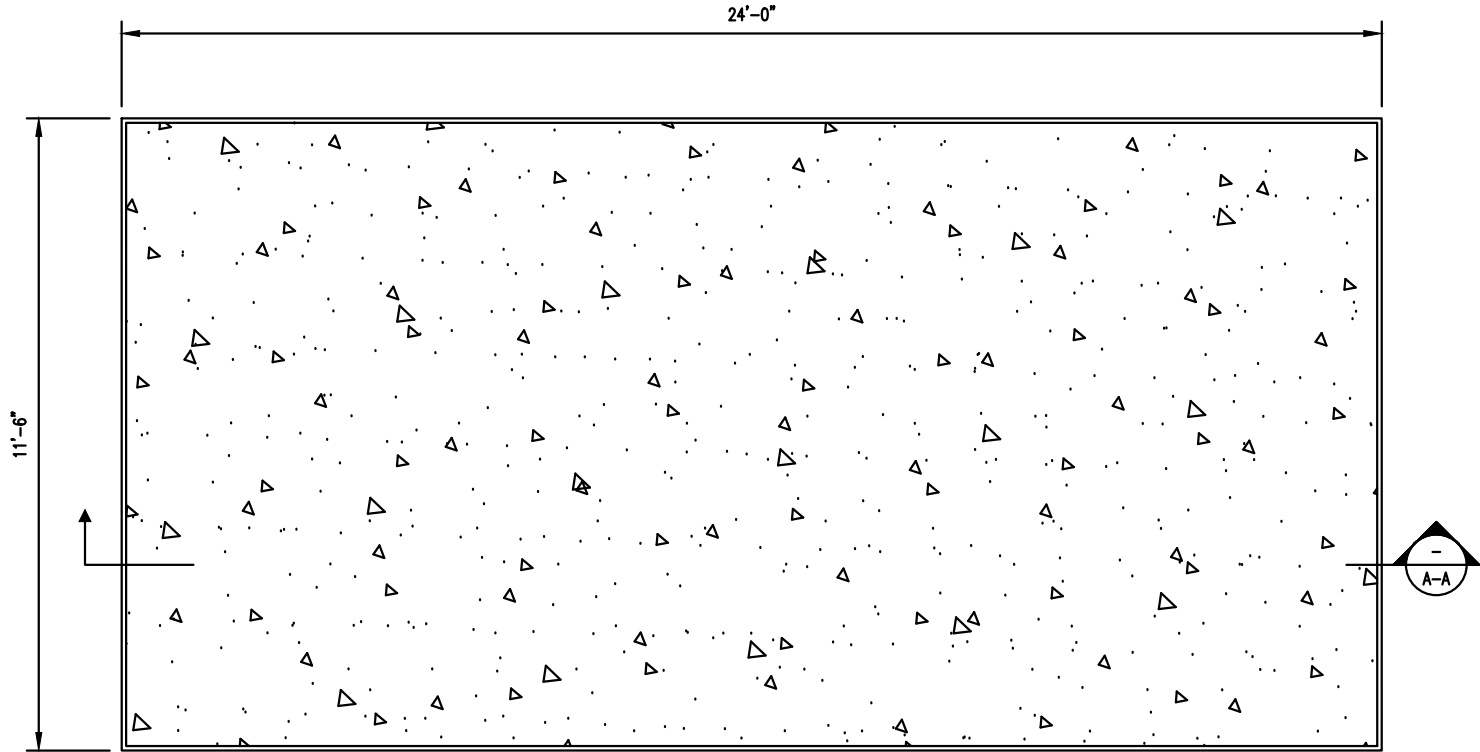
GROUND EQUIPMENT DETAILS



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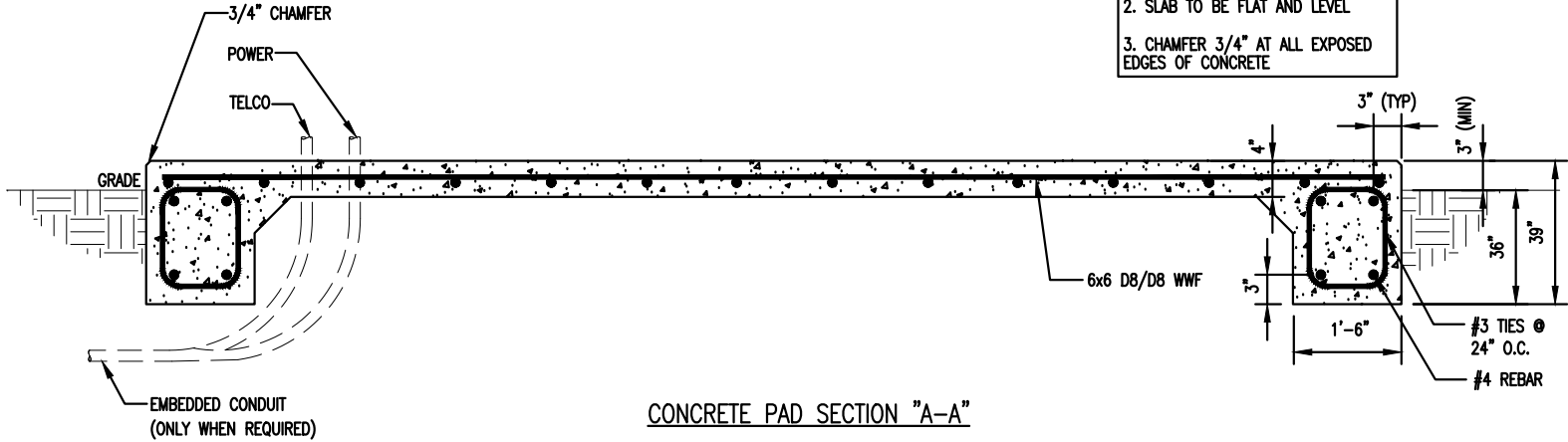
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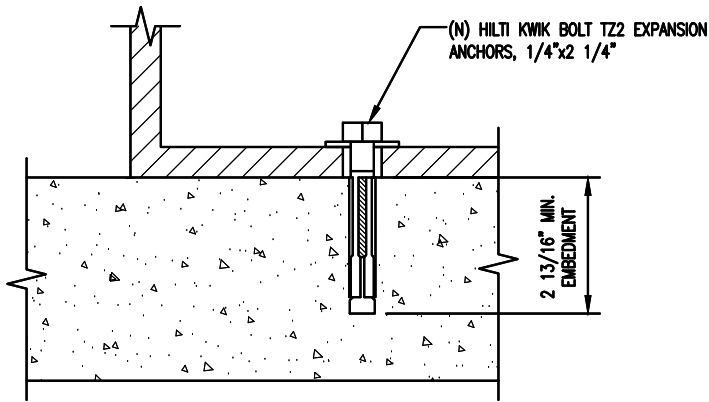
CONCRETE PAD PLAN

- NOTES:
- 1. USE NDOT MIX 47B-3500, CONCRETE STRENGTH SHALL BE A MINIMUM OF 3,500 PSI
 - 2. SLAB TO BE FLAT AND LEVEL
 - 3. CHAMFER 3/4" AT ALL EXPOSED EDGES OF CONCRETE



CONCRETE PAD SECTION "A-A"

EQUIPMENT FOUNDATION PLAN DETAILS
SCALE: N.T.S.



EQUIPMENT CONCRETE PAD ANCHOR DETAIL
SCALE: N.T.S.

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SCALE: AS SHOWN		DESIGNED GMW	DRAWN GMW		

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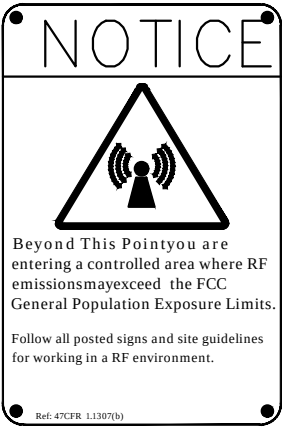
GROUND EQUIPMENT DETAILS

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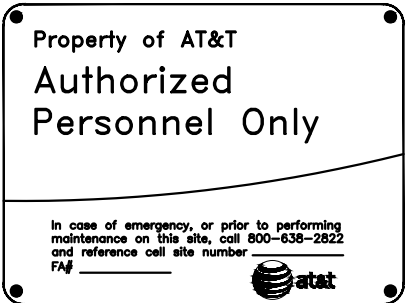




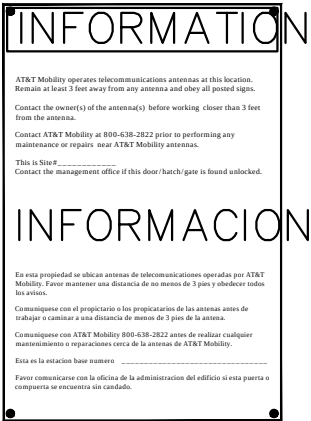
ALERTING SIGNS



ALERTING SIGN



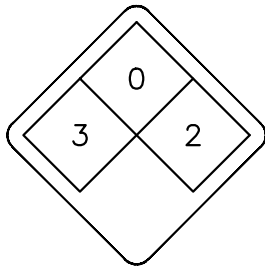
INFO SIGN #4



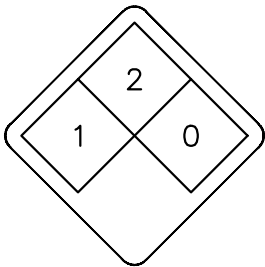
ALERTING SIGNS & INFO SIGNS

SCALE: N.T.S.

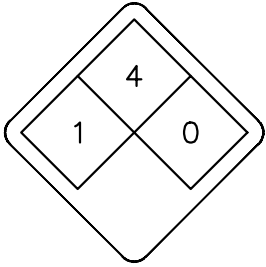
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A-1.5



ALERTING SIGN
(FOR CELL SITE BATTERIES)



ALERTING SIGN
(FOR DIESEL FUEL)



ALERTING SIGN
(FOR PROPANE)

STAY BACK 3 FEET FROM ANTENNA



GENERAL SIGNAGE GUIDELINES

Structure Type	INFO SIGN #1	INFO SIGN #2	INFO SIGN #3	INFO SIGN #4	Striping	NOTICE SIGN	CAUTION SIGN
Towers	entrance gates, shelter doors OR on the outdoor cabinets	climbing side of the Tower	On backside of Antennas	entrance gates, shelter doors OR on the outdoor cabinets			At the height of the first climbing step, min. 9ft above ground
Monopole/Monopine/Monopalm							
SCE Towers/ Towers with high voltage	entrance gates, shelter doors OR on the outdoor cabinets	climbing side of the Tower	On backside of Antennas	entrance gates, shelter doors OR on the outdoor cabinets			At the height of the first climbing step, min. 9ft above ground
Light Poles / Flag Poles	entrance gates, shelter doors OR on the outdoor cabinets	on the pole, no less than 3ft below the Antenna and no less than 9ft above ground	On backside of Antennas	entrance gates, shelter doors OR on the outdoor cabinets			
Utility Wood Poles (JPA)	entrance gates, shelter doors OR on the outdoor cabinets	on the pole, no less than 3ft below the Antenna and no less than 9ft above ground	On backside of Antennas	entrance gates, shelter doors OR on the outdoor cabinets		If GP max value of MPE at antenna level is: 0-99%: Notice sign; over 99%: Caution sign at no less than 3ft below antenna and 9ft above ground	
Microcells mounted on non-JPA poles	entrance gates, shelter doors OR on the outdoor cabinets	on the pole, no less than 3ft below the Antenna and no less than 9ft above ground	On backside of Antennas	entrance gates, shelter doors OR on the outdoor cabinets		Notice or Caution sign at no less than 9ft above ground; only if the exposure exceeds 90% of the General Public exposure at 6ft above ground or at outside surface of adjacent buildings	
Roof Tops							
At all access points to the roof	X			X			
On Antennas	X		X	X			
Concealed Antennas	X	X		X			
antennas mounted facing outside the building	X	X		X			
antennas on support structure	X	X		X			
Roofview Graph:							
Radiation area is within 3ft from antenna	X	adjacent to each antenna		X		either Notice or Caution sign (based on Roofview results) at antennas/barrier	
Radiation area is beyond 3ft from antenna	X	adjacent to each antenna		X	diagonal, yellow striping as to Roofview graph		
Church Steeples	Access to steeple	adjacent to antennas if antennas are concealed	On backside of Antennas	Access to steeple			Caution sign at the antennas
Water Stations	Access to ladder	adjacent to antennas if antennas are concealed	On backside of Antennas	Access to ladder			Caution sign beside Info sign #1, min. 9ft above ground

Notes for Rooftop sites:

- Either NOTICE or CAUTION signs need to be posted at each sector as close as possible to: the outer edge of the striped off area or the outer antennas of the sector.
- If Roofview shows: only blue = Notice Sign, blue and yellow = Caution Sign, only yellow = Caution Sign to be installed.
- Should the required striping area interfere with any structures or equipment (A/C, vents, roof hatch, doors, other antennas, dishes, etc.), please notify AT&T to modify the striping area, prior to starting the work

SIGNAGE GUIDELINES CHART

SCALE: N.T.S.

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A-1.5

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6	06-04-26	FINAL CONSTRUCTION DRAWINGS	SD	NP	BMQ
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NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED GMW	DRAWN GMW		

AT&T PROJECTS

SIGNAGE DETAILS



DRAWING NUMBER

A-1.5

REV

6



PART 1 – GENERAL

- 1.1 SCOPE:
- A.

FORM WORK, REINFORCING STEEL, ACCESSORIES, CAST-IN PLACE CONCRETE, FINISHING, CURING AND TESTING FOR STRUCTURAL CONCRETE FOUNDATIONS
- 1.2 REFERENCES:
- A.

ACI (AMERICAN CONCRETE INSTITUTE)

1.

ACI 301 SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS

2.

ACI 304 RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE

3.

ACI 305 RECOMMENDED PRACTICE FOR HOT WEATHER CONCRETING

4.

ACI 306 RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING

5.

ACI 308 STANDARD PRACTICE FOR CURING CONCRETING

6.

ACI 309 STANDARD PRACTICE FOR CONSOLIDATION OF CONCRETE

7.

ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE

8.

ACI 347 RECOMMENDED PRACTICE FOR CONCRETE FORMWORK DRILL PIERS

B.

ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS) THE APPLICABLE STANDARDS OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS ARE LISTED IN THE ACI STANDARDS AND ARE A PART OF THIS SPECIFICATION

PART 2 – PRODUCTS

- 2.1 REINFORCING MATERIALS:
- A.

REINFORCING BARS: ASTM A615, GRADE 60, PROPOSED DEFORMED BILLET–STEEL BARS, PLAIN FINISH.
- B.

FURNISH CHAIRS, BOLSTERS, BAR SUPPORTS, SPACERS AS REQUIRED FOR SUPPORT OF REINFORCING STEEL AND WIRE FABRIC.
- 2.2 CONCRETE MATERIALS:
- A.

PORTLAND CEMENT SHALL BE TYPE IP, CONFORMING TO ASTM C595
- B.

AGGREGATE SHALL CONFORM TO ASTM C–33

1.

FINE AGGREGATE SHALL BE UNIFORMLY GRADED, CLEAN SHARP, WASHED NATURAL, OR CRUSHED SAND, FREE FROM ORGANIC IMPURITIES.

2.

COARSE AGGREGATE SHALL BE NATURAL WASHED GRAVEL OR WASHED CRUSHED ROCK HAVING HARD, STRONG, DURABLE PIECES, FREE FROM ADHERENT COATINGS

3.

MAXIMUM SIZE OF COARSE AGGREGATE SHALL BE 1 INCH IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM C–33 GRADATION SIZE NO. 67
- C.

WATER USED IN CONCRETE MIX SHALL BE POTABLE, CLEAN, AND FREE FROM OILS, ACIDS, SALTS, CHLORIDES, ALKALI, SUGAR, VEGETABLE, OR OTHER INJURIOUS SUBSTANCES
- D.

THE CONCRETE SHALL CONTAIN AN AIR–ENTRAINING ADMIXTURE COMPLYING WITH THE REQUIREMENTS OF ASTM C–260 AND ACI 212. 1R AND A WATER– REDUCING ADMIXTURE COMPLYING WITH THE REQUIREMENTS OF ASTM C–494 AND ACI 212. 1R ADMIXTURES SHALL BE PURCHASED AND BATCHED IN LIQUID SOLUTION THE USE OF CALCIUM CHLORIDE OR AN ADMIXTURE CONTAINING CALCIUM CHLORIDE IS PROHIBITED ADMIXTURES SHALL BE OF THE SAME MANUFACTURER TO ASSURE COMPATIBILITY ACCEPTABLE MANUFACTURERS ARE:

1.

W R GRACE

2.

SIKA CORP .

3.

MASTER BUILDERS

4.

EUCLID CHEMICAL CO .

5.

APPROVED EQUAL
- E.

CURING COMPOUND SHALL CONFORM TO ASTM C309, TYPE I, ID, CLASS A AND B AND ASTM C171 AS APPLICABLE.
- 2.3 CONCRETE MIX:
- A.

CONCRETE MIX DESIGN SHALL CONFORM TO CLASS 47B–3500.
- B.

PROPORTION CONCRETE MIX IN ACCORDANCE WITH REQUIREMENTS OF ACI 301 THE STRENGTH OF CONCRETE SHALL BE AS INDICATED ON THE DRAWINGS WHERE STRENGTH IS NOT CLEARLY INDICATED, CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3500 PSI.
- C.

THE CONCRETE MIX SHALL BE DESIGNED FOR A MAXIMUM SLUMP OF THREE INCHES (PLUS OR MINUS 1-INCH) AT THE POINT OF DISCHARGE. MIXES OF THE STIFFEST CONSISTENCY THAT CAN BE EFFICIENTLY PLACED SHALL BE USED
- D.

ALL CONCRETE SHALL BE TO SIX PERCENT (6%) AIR ENTRAINED (PLUS OR MINUS 1%)
- E.

ALL STRUCTURAL CONCRETE SHALL CONTAIN A WATER–REDUCING AGENT

PART 3 – EXECUTION

- 3.1 GENERAL:
- A.

CONSTRUCT AND ERECT THE FORM WORK IN ACCORDANCE WITH ACI 301 AND ACI 347
- B.

COLD–WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306
- C.

HOT–WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305
- 3.2 INSERTS, EMBEDDED COMPONENTS AND OPENINGS:
- A.

CONTRACTOR SHALL CHECK ALL CIVIL, ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS FOR OPENINGS, SLEEVES, ANCHOR BOLTS, INSERTS AND OTHER ITEMS TO BE BUILT INTO THE CONCRETE WORK.
- B.

COORDINATE THE WORK OF OTHER SECTION IN FORMING AND SETTING OPENINGS RECESSES, SLOTS, CHASES, ANCHORS, INSERTS AND OTHER ITEMS TO BE EMBEDDED

- C.

EMBEDDED ITEMS SHALL BE SET ACCURATELY IN LOCATION, ALIGNMENT, ELEVATION AND PLUMBNESS, LOCATE AND MEASURE FROM ESTABLISHED SURVEYED REFERENCE BENCHMARKS
- D.

EMBEDDED ITEMS SHALL BE ANCHORED INTO PLACE IN A MANNER TO PREVENT MOVEMENT DURING CONCRETE PLACEMENT AND CONSOLIDATION COMPONENTS FORMING A PART OF A COMPLETE ASSEMBLY SHALL BE ALIGNED BEFORE ANCHORING INTO PLACE PROVIDE TEMPORARY BRACING, ANCHORAGE, AND TEMPLATES AS REQUIRED TO MAINTAIN THE SETTING AND ALIGNMENT
- 3.3 REINFORCEMENT PLACEMENT:
- A.

PLACE REINFORCEMENT ACCORDING TO CHECKED AND RELEASED DRAWINGS AND IN ACCORDANCE WITH ACI 301 AND ACI 318.
- B.

ACCURATELY POSITION, SUPPORT AND SECURE REINFORCEMENT AGAINST DISPLACEMENT FROM FORM WORK CONSTRUCTION OR CONCRETE PLACEMENT AND CONSOLIDATION SUPPORT REINFORCING ON METAL CHAIRS, RUNNERS, BOLSTERS, SPACERS AND HANGERS
- C.

SPICES OF REINFORCING BARS SHALL BE CLASS B UNLESS SHOWN OTHERWISE ON THE DRAWINGS. SPICES SHALL BE STAGGERED FULL DEVELOPMENT LENGTH SHALL BE PROVIDED ACROSS JOINTS.
- D.

LOCATE REINFORCING TO PROVIDE CONCRETE COVER AND SPACING SHOWN ON THE DRAWINGS MINIMUM COVER SHALL BE AS REQUIRED BY ACI 318.
- E.

WELDING OF AND TO ANY REINFORCING MATERIALS INCLUDING TACK WELDING OF CROSSING BARS IS STRICTLY PROHIBITED.
- 3.4 CONCRETE PLACEMENT:
- A.

PRIOR TO PLACING CONCRETE, THE FORMS AND REINFORCEMENT SHALL BE THOROUGHLY INSPECTED; ALL TEMPORARY BRACING, TIES AND CLEATS REMOVED; ALL OPENINGS FOR UTILITIES PROPERLY BOXED; ALL FORMS PROPERLY SECURED IN THERE CORRECT POSITION AND MADE TIGHT ALL REINFORCEMENT AND EMBEDDED ITEMS SHALL BE SECURED IN THEIR PROPER LOCATIONS. ALL OLD AND DRY CONCRETE AND DIRT SHALL BE CLEANED OFF AND ALL STANDING WATER AND OTHER FOREIGN MATERIAL REMOVED

- B.

PLACING CONCRETE SHALL BE IN ACCORDANCE WITH ACI 301 AND ACI 304 AND SHALL BE CARRIED OUT AT SUCH A RATE THAT THE CONCRETE PREVIOUSLY PLACED IS STILL PLASTIC AND INTEGRATED WITH THE FRESHLY PLACED CONCRETE. CONCRETING ONCE STARTED, SHALL BE CARRIED ON AS A CONTINUOUS OPERATION UNTIL THE SECTION IS COMPLETED. NO COLD JOINTS SHALL BE ALLOWED.

- C.

ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED AND COMPACTED BY VIBRATION SPACING, RODDING, OR FORKING DURING THE OPERATION OF PLACING AND DEPOSITING IN ACCORDANCE WITH ACI 309. THE CONCRETE SHALL BE THOROUGHLY WORKED AROUND REINFORCEMENT, EMBEDDED ITEMS, AND INTO THE CORNER OF THE FORMS SO AS TO ELIMINATE ALL AIR AND STONE POCKETS

3.5 FINISHING:

- A.

FINISHING OF THE FLOOR SLABS SHALL BE IN ACCORDANCE WITH ACI 302.1 SECTION 7.2 WITH A MINIMUM OF THREE TROWELINGS. THE SLAB FINISH TOLERANCE AS MEASURED IN ACCORDANCE WITH ASTM E 1155 SHALL HAVE AN OVERALL TEST NUMBER FOR FLATNESS, FF= 20 AND FOR LEVEL, FL=15. THE MINIMUM LOCAL NUMBER FOR FLATNESS, FF= 15 AND FOR LEVEL, FL=10 .

- B.

SURFACE OF FLOOR SLAB SHALL RECEIVE TWO COATS OF CLEAR SEALER/HARDENER

- C.

ABOVE GRADE WALL SURFACES SHALL HAVE A SMOOTH FORM FINISH AS DEFINED IN CHAPTER 10 OF ACI 301.

3.6 CURING:

- A.

FRESHLY DEPOSITED CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING AND EXCESSIVELY HOT AND COLD TEMPERATURES AND SHALL BE MAINTAINED WITH MINIMUM MOISTURE LOSS AT A RELATIVELY CONSTANT TEMPERATURE FOR A PERIOD OF TIME NECESSARY FOR THE HYDRATION OF THE CEMENT AND PROPER HARDENING OF THE CONCRETE.

- B.

CONCRETE SHALL BE KEPT CONTINUOUSLY MOIST AT LEAST OVERNIGHT, IMMEDIATELY FOLLOWING THE INITIAL CURING. BEFORE THE CONCRETE HAS DRIED, ADDITIONAL CURING SHALL BE ACCOMPLISHED BY ONE OF THE FOLLOWING MATERIALS OR METHODS:

1.

PONDING OR CONTINUOUS SPRINKLING.
2.

ABSORPTIVE MAT OR FABRIC KEPT CONTINUOUSLY WET
3.

NON–ABSORPTIVE FILM (POLYETHYLENE) OVER PREVIOUSLY SPRINKLED SURFACE
4.

SAND OR OTHER COVERING KEPT CONTINUOUSLY WET
5.

CONTINUOUS STEAM (NOT EXCEEDING 150° F) OR VAPOR MIST BATH
6.

SPRAYED–ON CURING COMPOUND APPLIED IN TWO COATS, SPRAYED IN PERPENDICULAR DIRECTION

- C.

THE FINAL CURING SHALL CONTINUE UNTIL THE CUMULATIVE NUMBER OF DAYS OR FRACTION THEREOF, NOT NECESSARILY CONSECUTIVE, DURING WHICH TEMPERATURE OF THE AIR IN CONTACT WITH CONCRETE IS ABOVE 50° F HAS TOTALED SEVEN (7) DAYS. CONCRETE SHALL NOT BE PERMITTED TO FREEZE DURING THE CURING PERIOD. RAPID DRYING AT THE END OF THE CURING PERIOD SHALL BE PREVENTED.

CONCRETE WORK NOTES

SCALE: N.T.S.

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A-1.6

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AT&T PROJECTS

CONCRETE WORK NOTES



DRAWING NUMBER

A-1.6

REV

6



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				GMW	

PART 1 – GENERAL

CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUBGRADE PREPARATION AND FINISH GRADING AS REQUIRED TO COMPLETE THE PROPOSED WORK SHOWN IN THESE PLANS.

1.1 REFERENCES:

- A. DOT (STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION–CURRENT EDITION).
- B. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS).
- C. OSHA (OCCUPATION SAFETY AND HEALTH ADMINISTRATION).

1.2 INSPECTION AND TESTING:

- A. FIELD TESTING OF EARTHWORK COMPACTION AND CONCRETE CYLINDERS SHALL BE PERFORMED BY CONTRACTORS INDEPENDENT TESTING LAB. THIS WORK TO BE COORDINATED BY THE CONTRACTOR.
- B. ALL WORK SHALL BE INSPECTED AND RELEASED BY THE GENERAL CONTRACTOR WHO SHALL CARRY OUT THE GENERAL INSPECTION OF THE WORK WITH SPECIFIC CONCERN TO PROPER PERFORMANCE OF THE WORK AS SPECIFIED AND/OR CALLED FOR ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REQUEST TIMELY INSPECTIONS PRIOR TO PROCEEDING WITH FURTHER WORK THAT WOULD MAKE PARTS OF WORK INACCESSIBLE OR DIFFICULT TO INSPECT.

1.3 SITE MAINTENANCE AND PROTECTION:

- A. PROVIDE ALL NECESSARY JOB SITE MAINTENANCE FROM COMMENCEMENT OF WORK UNTIL COMPLETION OF THE SUBCONTRACT.
- B. AVOID DAMAGE TO THE SITE AND TO EXISTING FACILITIES, STRUCTURES, TREES, AND SHRUBS DESIGNATED TO REMAIN. TAKE PROTECTIVE MEASURES TO PREVENT EXISTING FACILITIES THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORK.
- C. KEEP SITE FREE OF ALL PONDING WATER.
- D. PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT AND EPA REQUIREMENTS.
- E. PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT AGAINST THEFT FROM PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.
- F. EXISTING UTILITIES: DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE ENGINEER AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.
 - 1. PROVIDE A MINIMUM 48–HOUR NOTICE TO THE ENGINEER AND RECEIVE WRITTEN NOTICE TO PROCEED BEFORE INTERRUPTING ANY UTILITY SERVICE.

PART 2 – PRODUCTS

- 2.1 SUITABLE BACKFILL: ASTM D2321 (CLASS I, II, III OR IV) FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.
- 2.2 NON–POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS III, IVA OR IVB) COARSE AGGREGATE. FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.
- 2.3 POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS IA, IB OR II) COARSE AGGREGATE FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.
- 2.4 SELECT STRUCTURAL FILL: GRANULAR FILL MATERIAL MEETING THE REQUIREMENTS OF ASTM E850–95. FOR USE AROUND AND UNDER STRUCTURES WHERE STRUCTURAL FILL MATERIAL ARE REQUIRED.
- 2.5 GRANULAR BEDDING AND TRENCH BACKFILL: WELL–GRADED SAND MEETING THE GRADATION REQUIREMENTS OF ASTM D2487 (SE OR SW–SM).
- 2.6 COARSE AGGREGATE FOR ACCESS ROAD SUBBASE COURSE SHALL CONFORM TO ASTM D2940.
- 2.7 UNSUITABLE MATERIAL: HIGH AND MODERATELY PLASTIC SILTS AND CLAYS (LL>45). MATERIAL CONTAINING REFUSE, FROZEN LUMPS, DEMOLISHED BITUMINOUS MATERIAL, VEGETATIVE MATTER, WOOD, STONES IN EXCESS OF 3 INCHES IN ANY DIMENSION, AND DEBRIS AS DETERMINED BY THE CONSTRUCTION MANAGER. TYPICALLY THESE WILL BE SOILS CLASSIFIED BY ASTM AS: PT, MH, CH, OH, ML, AND OL.
- 2.8 GEOTEXTILE FABRIC: MIRAFI 500X OR ENGINEER APPROVED EQUAL.
- 2.9 PLASTIC MARKING TAPE: SHALL BE ACID AND ALKALI RESISTANT POLYETHYLENE FILM SPECIFICALLY MANUFACTURED FOR MARKING AND LOCATING UNDERGROUND UTILITIES, 6 INCHES WIDE WITH A MINIMUM THICKNESS OF 0.004 INCH. TAPE SHALL HAVE MINIMUM STRENGTH OF 1500 PSI IN BOTH DIRECTIONS AND MANUFACTURED WITH INTEGRAL CONDUCTORS, FOIL BACKING OR OTHER MEANS TO ENABLE DETECTION BY A METAL DETECTOR WHEN BURIED UP TO 3 FEET DEEP. THE METALLIC CORE OF THE TAPE SHALL BE ENCASED IN A PROTECTIVE JACKET OR PROVIDED WITH OTHER MEANS TO PROTECT IT FROM CORROSION. TAPE COLOR SHALL BE RED FOR ELECTRIC UTILITIES AND ORANGE FOR TELECOMMUNICATION UTILITIES.

PART 3 – EXECUTION

3.1 GENERAL:

- A. BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE DRAINED AT ANY TIME.
- B. BEFORE ALL SURVEY, LAYOUT, STAKING, AND MARKING, ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK.
- C. CLEAR AND GRUB THE AREA WITHIN THE LIMITS OF THE SITE. REMOVE TREES, BRUSH, STUMPS, RUBBISH AND OTHER DEBRIS AND VEGETATION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE SITE AREA TO BE CLEARED.
 - 1. REMOVE THE FOLLOWING MATERIALS TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE ORIGINAL GROUND SURFACE: ROOTS, STUMPS, AND OTHER DEBRIS, BRUSH, AND REFUSE EMBEDDED IN OR PROTRUDING THROUGH THE GROUND SURFACE. RAKE, DISK OR PLOW THE AREA TO A DEPTH OF NO LESS THAN 6 INCHES, AND REMOVE TO A DEPTH OF 12 INCHES ALL ROOTS AND OTHER DEBRIS THEREBY EXPOSED.
 - 2. REMOVE TOPSOIL MATERIAL COMPLETELY FROM THE SURFACE UNTIL THE SOIL NO LONGER MEETS THE DEFINITION OF TOPSOIL. AVOID MIXING TOPSOIL WITH SUBSOIL OR OTHER UNDESIRABLE MATERIALS.
 - 3. EXCEPT WHERE EXCAVATION TO GREATER DEPTH IS INDICATED, FILL DEPRESSIONS RESULTING FROM CLEARING, GRUBBING AND DEMOLITION WORK COMPLETELY WITH SUITABLE FILL.
- A. REMOVE FROM THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM CLEARING AND GRUBBING OPERATIONS. BURNING WILL NOT BE PERMITTED.

- B. PRIOR TO EXCAVATING, THOROUGHLY EXAMINE THE AREA TO BE EXCAVATED AND/OR TRENCHED TO VERIFY THE LOCATIONS OF FEATURES INDICATED ON THE DRAWINGS AND TO ASCERTAIN THE EXISTENCE AND LOCATION OF ANY STRUCTURE, UNDERGROUND STRUCTURE, OR OTHER ITEM NOT SHOWN THAT MIGHT INTERFERE WITH THE PROPOSED CONSTRUCTION. NOTIFY THE CONSTRUCTION MANAGER OF ANY OBSTRUCTIONS THAT WILL PREVENT ACCOMPLISHMENT OF THE WORK AS INDICATED ON THE DRAWINGS.
- C. SEPARATE AND STOCK PILE ALL EXCAVATED MATERIALS SUITABLE FOR BACKFILL. ALL EXCESS EXCAVATED AND UNSUITABLE MATERIALS SHALL BE DISPOSED OF OFF–SITE IN A LEGAL MANNER.

3.2 BACKFILL:

- A. AS SOON AS PRACTICAL, AFTER COMPLETING CONSTRUCTION OF THE RELATED STRUCTURE, INCLUDING EXPIRATION OF THE SPECIFIED MINIMUM CURING PERIOD FOR CAST–IN–PLACE CONCRETE, BACKFILL THE EXCAVATION WITH APPROVED MATERIAL TO RESTORE THE REQUIRED FINISHED GRADE.
 - 1. PRIOR TO PLACING BACKFILL AROUND STRUCTURES, ALL FORMS SHALL BE REMOVED AND THE EXCAVATION CLEANED OF ALL TRASH, DEBRIS, AND UNSUITABLE MATERIALS.
 - 2. BACKFILL BY PLACING AND COMPACTING SUITABLE BACKFILL MATERIAL OR SELECT GRANULAR BACKFILL MATERIAL WHEN REQUIRED IN UNIFORM HORIZONTAL LAYERS OF NO GREATER THAN 8–INCHES LOOSE THICKNESS AND COMPACTED. WHERE HAND OPERATED COMPACTORS ARE USED, THE FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 4 INCHES IN LOOSE DEPTH AND COMPACTED.
 - 3. WHENEVER THE DENSITY TESTING INDICATES THAT THE CONTRACTOR HAS NOT OBTAINED THE SPECIFIED DENSITY, THE SUCCEEDING LAYER SHALL NOT BE PLACED UNTIL THE SPECIFICATION REQUIREMENTS ARE MET UNLESS OTHERWISE AUTHORIZED BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL TAKE WHATEVER APPROPRIATE ACTION IS NECESSARY, SUCH AS DISKING AND DRYING, ADDING WATER, OR INCREASING THE COMPACTIVE EFFORT TO MEET THE MINIMUM COMPACTION REQUIREMENTS.
- B. THOROUGHLY COMPACT EACH LAYER OF BACKFILL TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE STANDARD PROCTOR TEST, ASTM D 698.

3.3 TRENCH EXCAVATION:

- A. UTILITY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE GENERAL CONTRACTOR. PROVIDE SHORING, SHEETING AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF THE TRENCH WALLS.
- B. EXTEND THE TRENCH WIDTH A MINIMUM OF 6 INCHES BEYOND THE OUTSIDE EDGE OF THE OUTERMOST CONDUIT.
- C. WHEN SOFT YIELDING, OR OTHERWISE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, BACKFILL AT THE REQUIRED TRENCH TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE REQUIRED ELEVATION AND BACKFILL WITH GRANULAR BEDDING MATERIAL.

3.4 TRENCH BACKFILL:

- A. PROVIDE GRANULAR BEDDING MATERIAL IN ACCORDANCE WITH THE DRAWINGS AND THE UTILITY REQUIREMENTS.
- B. NOTIFY THE GENERAL CONTRACTOR 24 HOURS IN ADVANCE OF BACKFILLING.
- C. CONDUCT UTILITY CHECK TESTS BEFORE BACKFILLING. BACKFILL AND COMPACT TRENCH BEFORE ACCEPTANCE TESTING.
- D. PLACE GRANULAR TRENCH BACKFILL UNIFORMLY ON BOTH SIDES OF THE CONDUITS IN 6–INCH UNCOMPACTED LIFTS UNTIL 12 INCHES OVER THE CONDUITS. SOLIDLY RAM AND TAMP BACKFILL INTO SPACE AROUND CONDUITS.
- E. PROTECT CONDUIT FROM LATERAL MOVEMENT, IMPACT DAMAGE, OR UNBALANCED LOADING.
- F. ABOVE THE CONDUIT EMBEDMENT ZONE, PLACE AND COMPACT SATISFACTORY BACKFILL MATERIAL IN 8–INCH MAXIMUM LOOSE THICKNESS LIFTS TO RESTORE THE REQUIRED FINISHED SURFACE GRADE.
- G. COMPACT FINAL TRENCH BACKFILL TO A DENSITY EQUAL TO OR GREATER THAN THAT OF THE EXISTING UNDISTURBED MATERIAL IMMEDIATELY ADJACENT TO THE TRENCH BUT NO LESS THAN A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE STANDARD PROCTOR TEST, ASTM D 698.

3.5 AGGREGATE ACCESS ROAD:

- A. CLEAR, GRUB, STRIP AND EXCAVATE FOR THE ACCESS ROAD TO THE LINES AND GRADES INDICATED ON THE DRAWINGS. SCARIFY TO A DEPTH OF 6 INCHES AND PROOF–ROLL. ALL HOLES, RUTS, SOFT PLACES AND OTHER DEFECTS SHALL BE CORRECTED.
- B. THE ENTIRE SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 1557.
- C. AFTER PREPARATION OF THE SUBGRADE IS COMPLETE THE GEOTEXTILE FABRIC (MIRAFI 500XI) SHALL BE INSTALLED TO THE LIMITS INDICATED ON THE DRAWINGS BY ROLLING THE FABRIC OUT LONGITUDINALLY ALONG THE ROADWAY. THE FABRIC SHALL NOT BE DRAGGED ACROSS THE SUBGRADE. PLACE THE ENTIRE ROLL IN A SINGLE OPERATION, ROLLING OUT AS SMOOTHLY AS POSSIBLE.
 - 1. OVERLAPS PARALLEL TO THE ROADWAY WILL BE PERMITTED AT THE CENTERLINE AND AT LOCATIONS BEYOND THE ROADWAY SURFACE WIDTH (I.E. WITHIN THE SHOULDER WIDTH) ONLY. NO LONGITUDINAL OVERLAPS SHALL BE LOCATED BETWEEN THE CENTERLINE AND THE SHOULDER. PARALLEL OVERLAPS SHALL BE A MINIMUM OF 3 FEET WIDE.
 - 2. TRANSVERSE (PERPENDICULAR TO THE ROADWAY) OVERLAPS AT THE END OF A ROLL SHALL OVERLAP IN THE DIRECTION OF THE AGGREGATE PLACEMENT (PREVIOUS ROLL ON TOP) AND SHALL HAVE A MINIMUM LENGTH OF 3 FEET.
 - 3. ALL OVERLAPS SHALL BE PINNED WITH STAPLES OR NAILS A MINIMUM OF 10 INCHES LONG TO INSURE POSITIONING DURING PLACEMENT OF AGGREGATE. PIN LONGITUDINAL SEAMS AT 25 FOOT CENTERS AND TRANSVERSE SEAMS EVERY 5 FEET.
- D. THE AGGREGATE BASE AND SURFACE COURSES SHALL BE CONSTRUCTED IN LAYERS NOT MORE THAN 4 INCH (COMPACTED) THICKNESS. AGGREGATE TO BE PLACED ON GEOTEXTILE FABRIC SHALL BE END–DUMPED ON THE FABRIC FROM THE FREE END OF THE FABRIC OR OVER PREVIOUSLY PLACED AGGREGATE. THE FIRST LIFT SHALL BE BLADED DOWN TO A THICKNESS OF 8 INCHES PRIOR TO COMPACTION. AT NO TIME SHALL EQUIPMENT, EITHER TRANSPORTING THE AGGREGATE OR GRADING THE AGGREGATE, BE PERMITTED ON THE ROADWAY WITH LESS THAN 4 INCHES OF MATERIAL COVERING THE FABRIC.
- E. THE AGGREGATE SHALL BE IMMEDIATELY COMPACTED TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 1557 WITH A TAMPING ROLLER, OR WITH A PNEUMATIC–TIRED ROLLER, OR WITH A VIBRATORY MACHINE OR ANY COMBINATION OF THE ABOVE. THE TOP LAYER SHALL BE GIVEN A FINAL ROLLING WITH A THREE–WHEEL OR TANDEM ROLLER.

3.6 FINISH GRADING:

- A. PERFORM ALL GRADING TO PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES AND SMOOTH, EVEN SURFACE DRAINAGE OF THE ENTIRE AREA WITHIN THE LIMITS OF CONSTRUCTION. GRADING SHALL BE COMPATIBLE WITH ALL SURROUNDING TOPOGRAPHY AND STRUCTURES.
- B. UTILIZE SATISFACTORY FILL MATERIAL RESULTING FROM THE EXCAVATION WORK IN THE CONSTRUCTION OF FILLS, EMBANKMENTS AND FOR REPLACEMENT OF REMOVED UNSUITABLE MATERIALS.

SITE WORK & DRAINAGE NOTES

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A–1.7

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				GMW	

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SITE WORK & DRAINAGE NOTES



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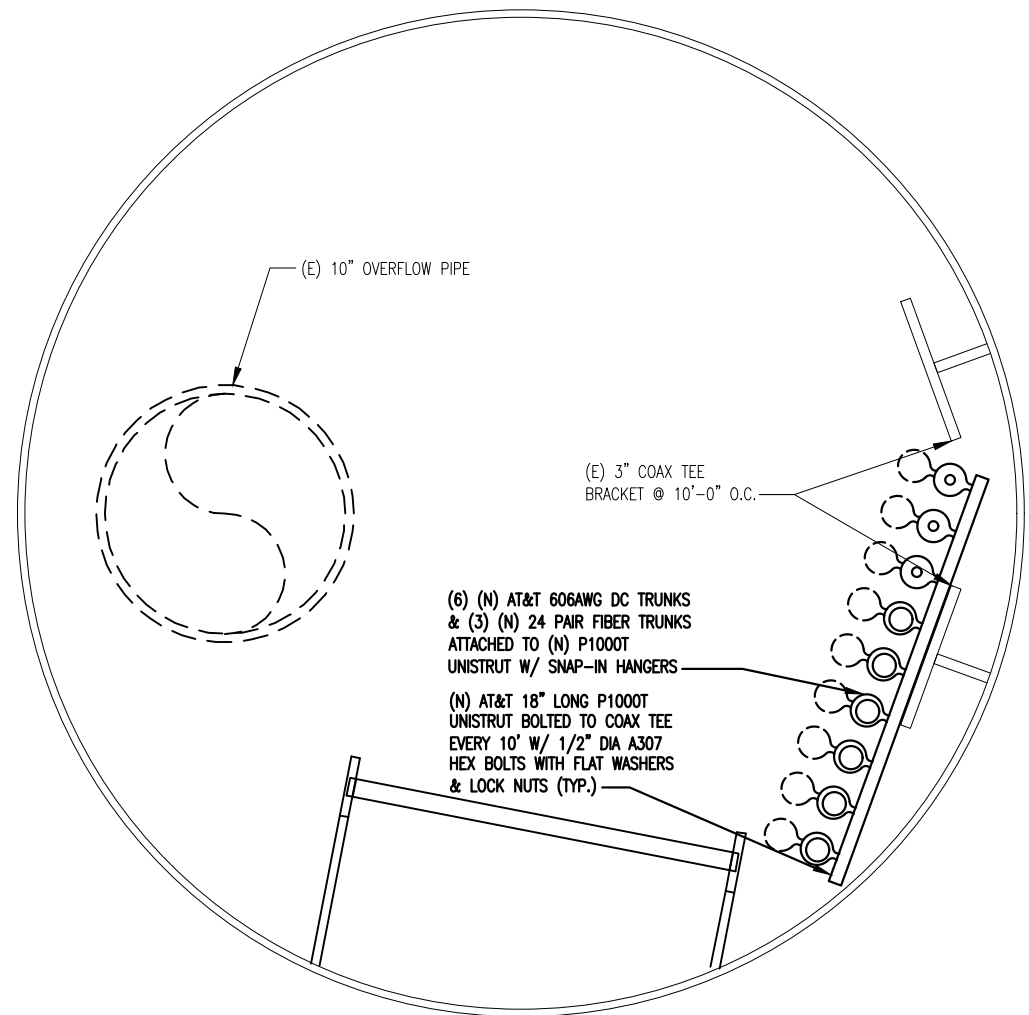
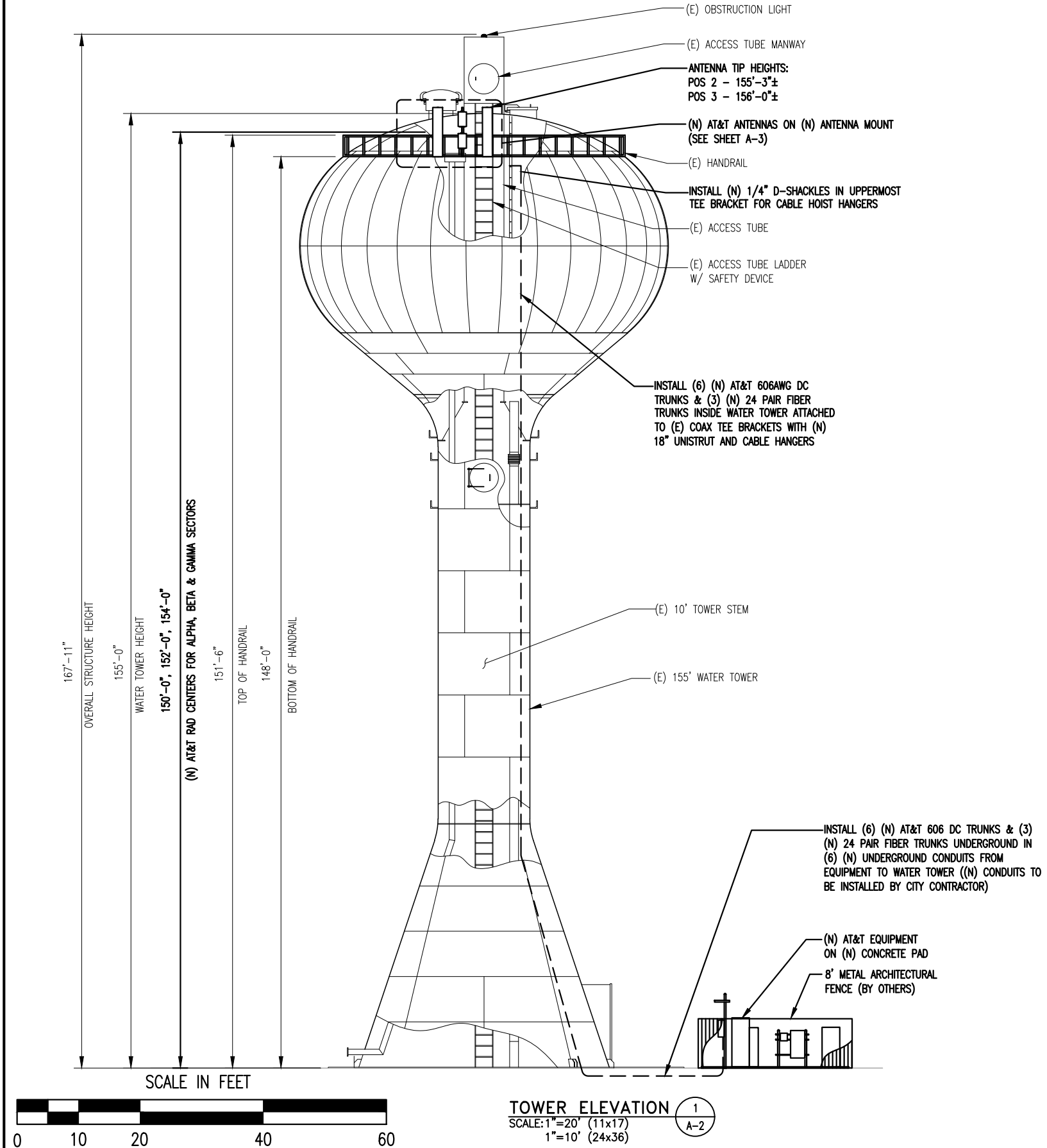
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CABLE ROUTING THROUGH DRY WELL 2
SCALE: N.T.S. A-2

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AT&T PROJECTS

TOWER ELEVATION &
CABLE ROUTING DETAIL

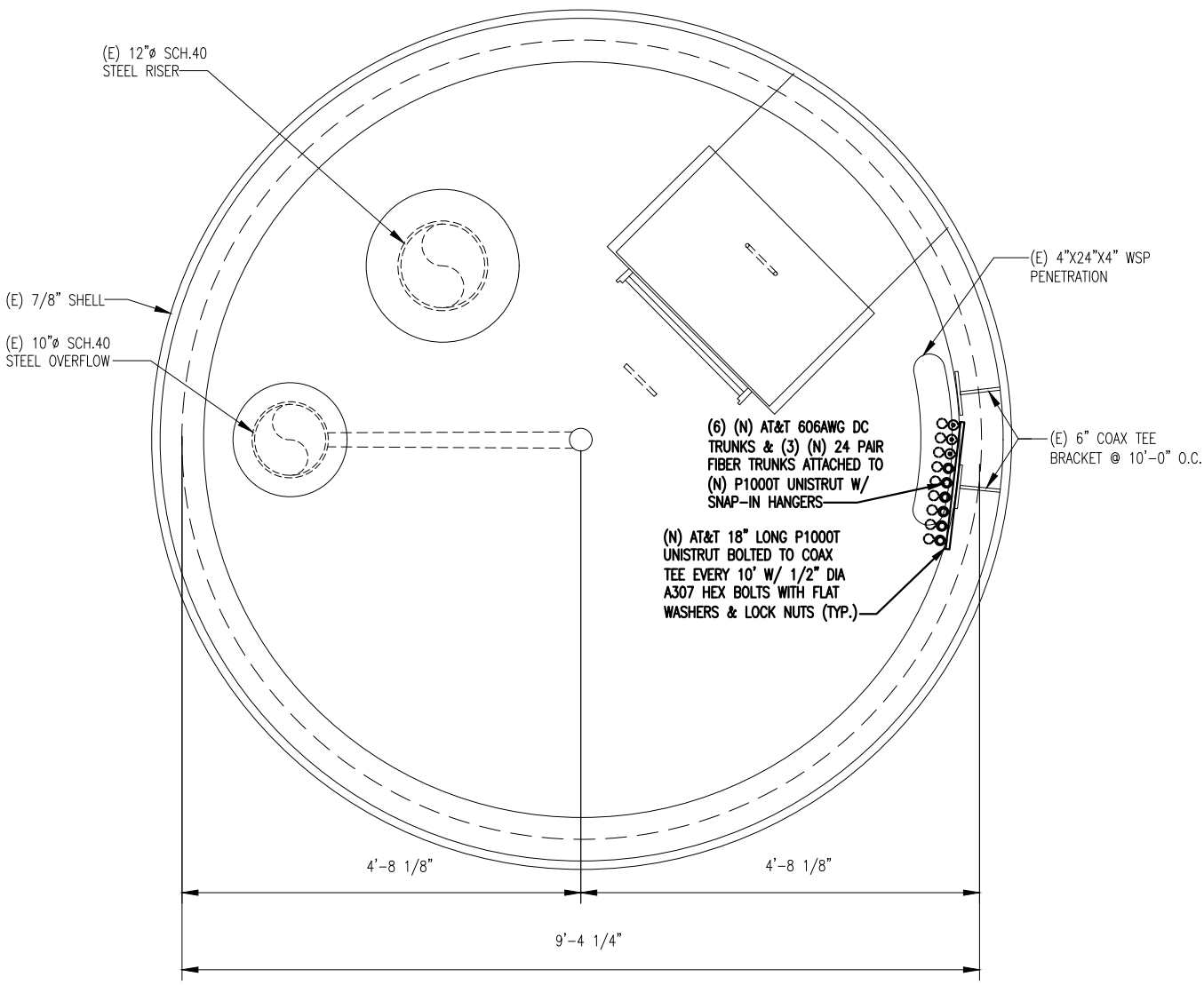
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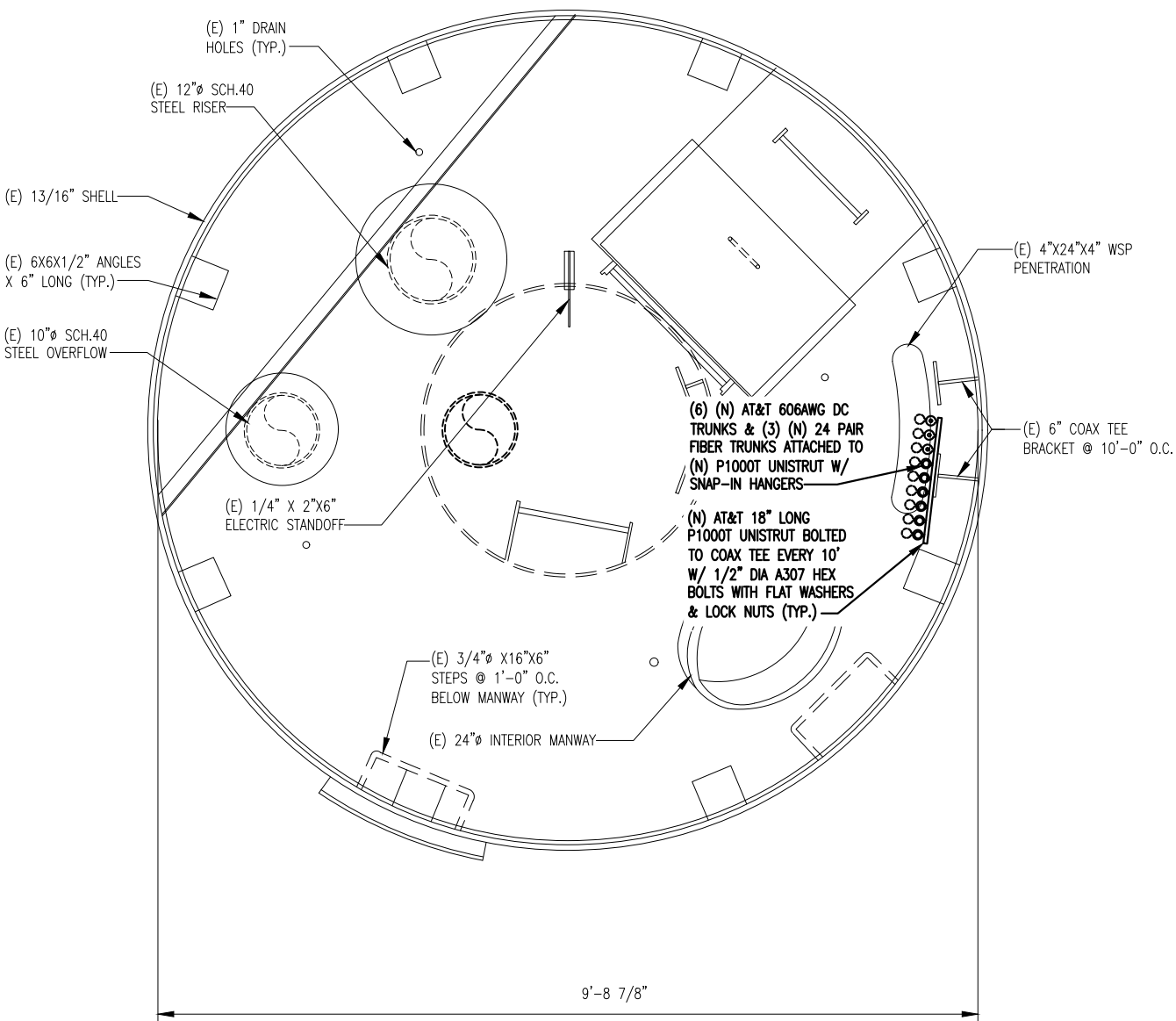




BOTTOM LANDING SECTION

SCALE: N.T.S.

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A-2.1



TOP LANDING SECTION

SCALE: N.T.S.

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A-2.1

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CABLE ROUTING DETAIL



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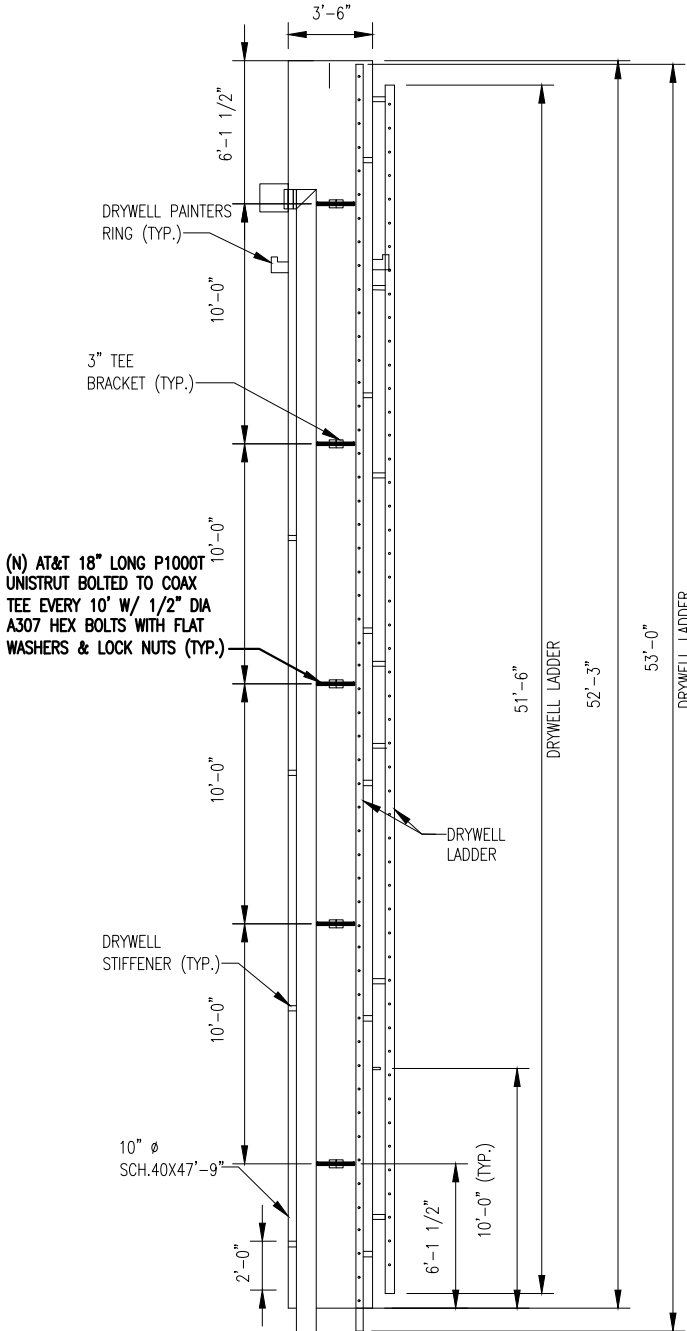
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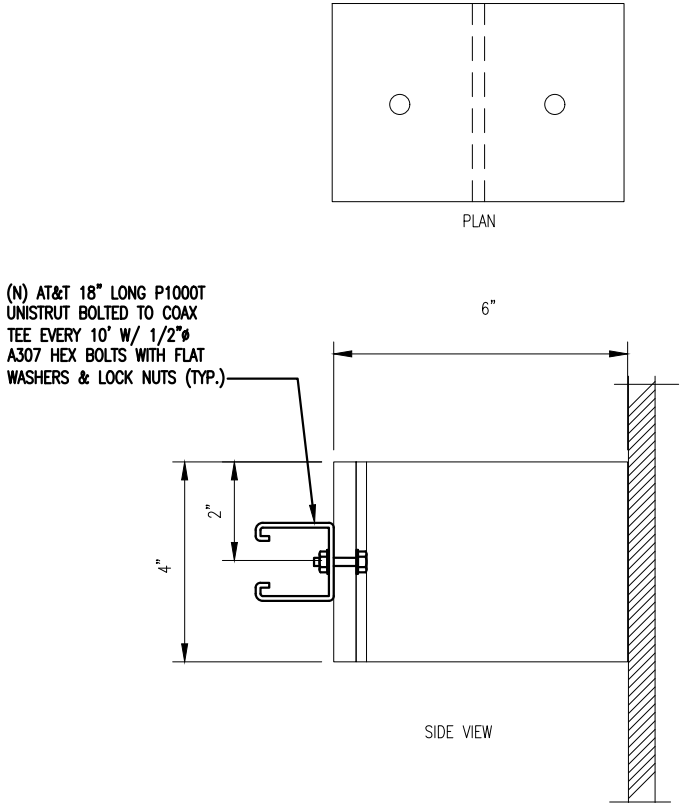
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DRYWELL TEE BRACKET DETAIL

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TEE BRACKET DETAIL

SCALE: N.T.S.

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CABLE ROUTING DETAIL

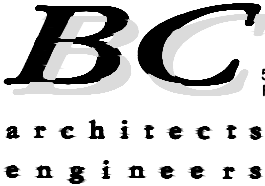


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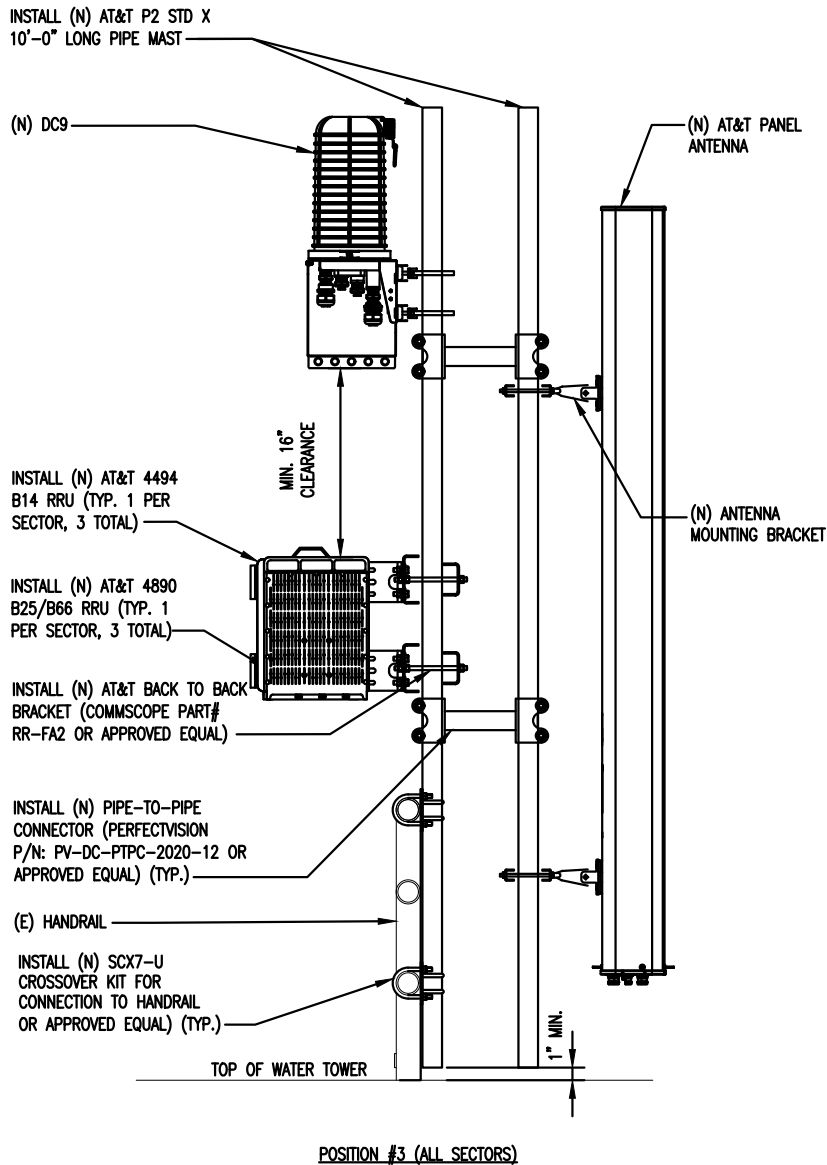
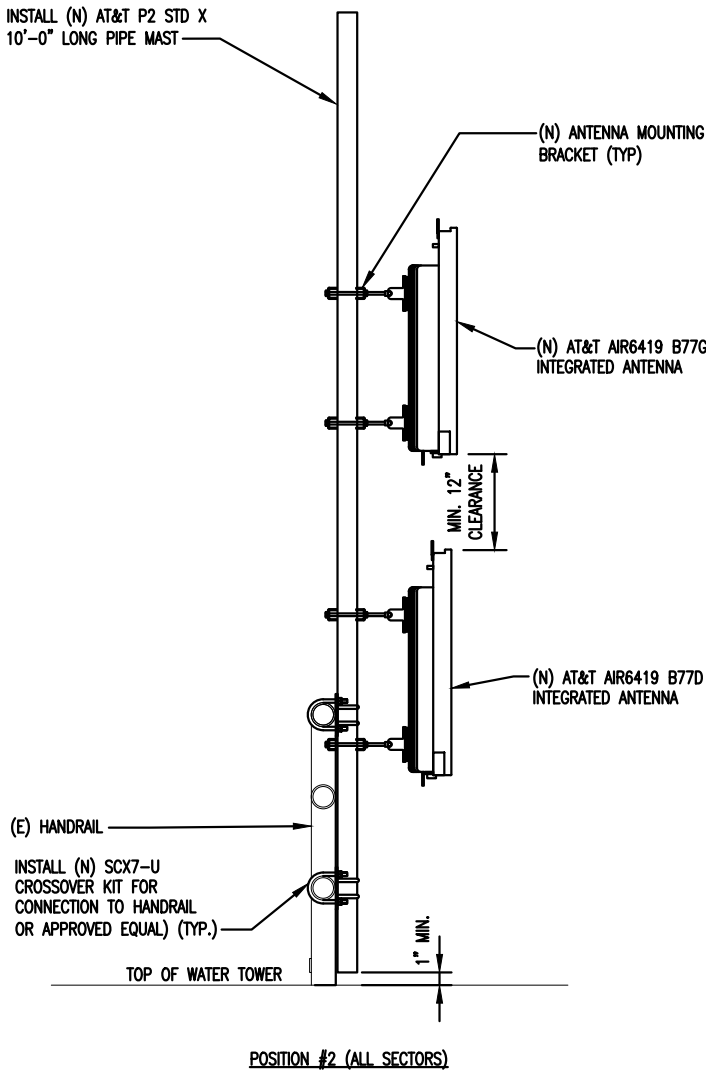
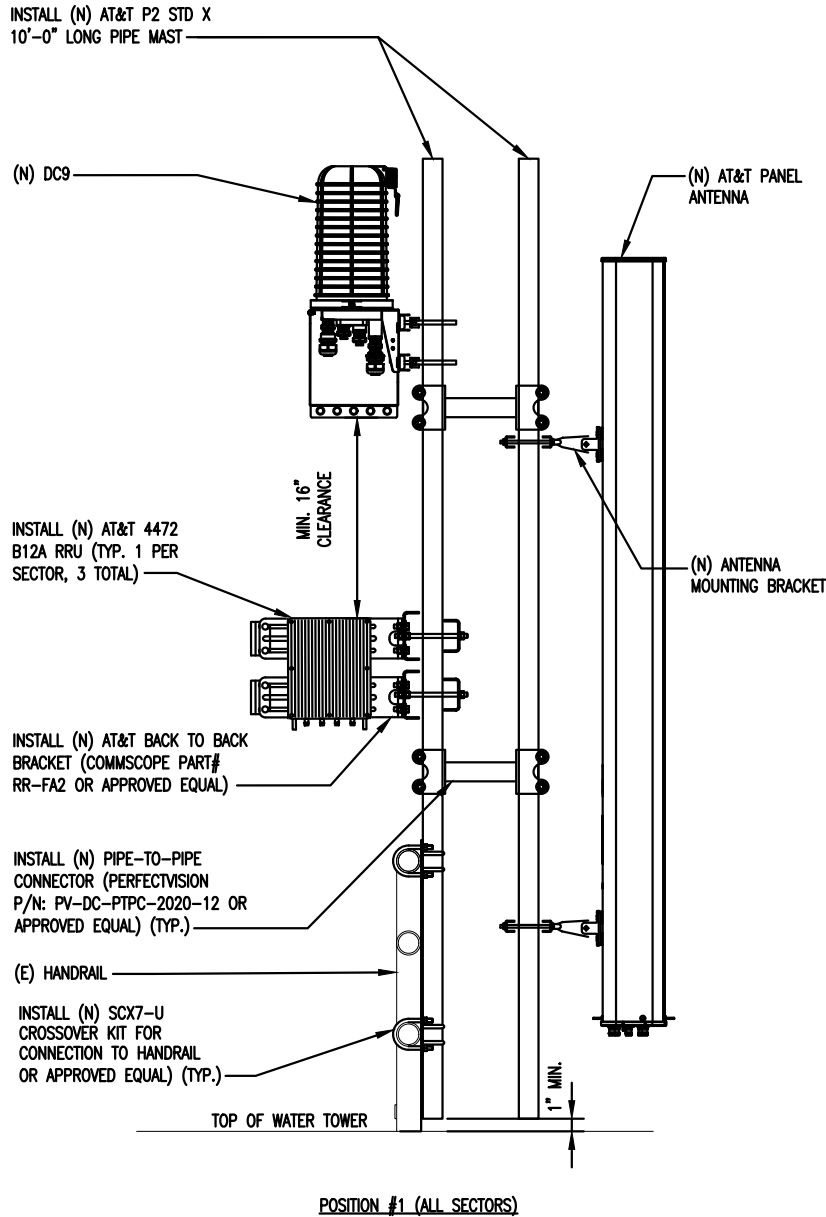
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EQUIPMENT MOUNTING DETAILS 1
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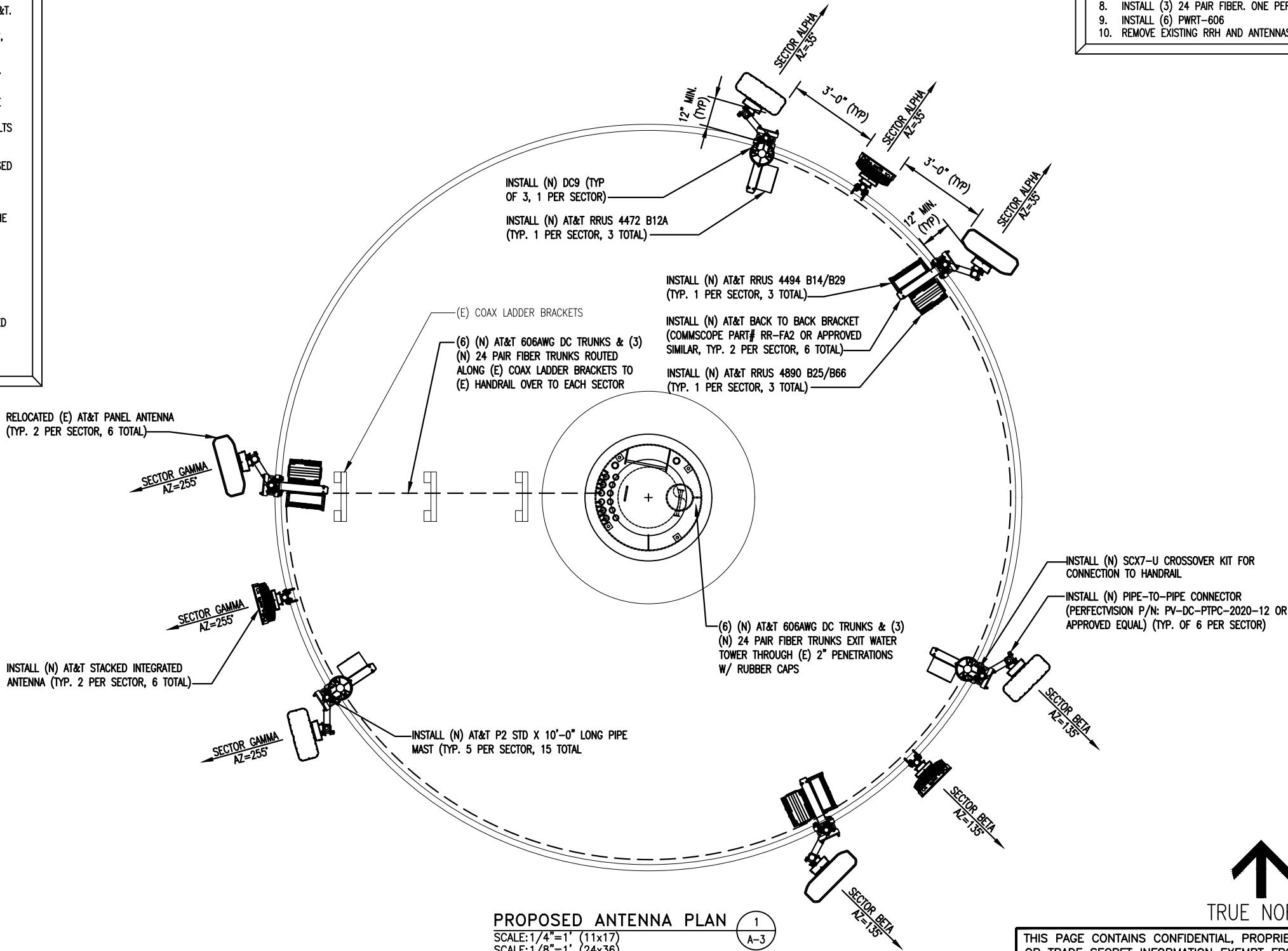
NOTES:

1. GENERAL CONTRACTOR IS TO FIELD VERIFY ALL EXISTING ANTENNA RAD CENTERS, ANTENNA TIP HEIGHTS WITH A PRE-TAPE DROP, AND AZIMUTHS PRIOR TO CONSTRUCTION. ALL CHANGES TO THE ANTENNA POSITIONS, AZIMUTHS, AND RAD CENTERS NEED TO BE DISCUSSED WITH RF AND AT&T FIELD CONSTRUCTION MANAGER. ALL CHANGES SHALL BE NOTED ON CONSTRUCTION AS BUILTS.
2. TOWER AND TOWER FOUNDATION DESIGN HAS BEEN PREPARED AND PROVIDED BY OTHERS. REFER TO MANUFACTURER'S APPROVED TOWER DRAWINGS OR CURRENT STRUCTURAL ANALYSIS. THE RF RAD CENTER OF THE PROPOSED ANTENNAS AND MOUNTING PLATFORM ARE BASED ON INFORMATION PROVIDED THROUGH AT&T.
3. THIS DRAWING IS A GRAPHICAL REPRESENTATION OF THE TOWER, THE RF RAD CENTER OF THE PROPOSED ANTENNAS AND PROPOSED MOUNTING PLATFORM/SECTOR FRAME BASED ON INFORMATION PROVIDED THROUGH AT&T, AND /OR ANALYZED BY OTHERS. BC ARCHITECTS ENGINEERS CERTIFIES ONLY THAT INFORMATION PROVIDED TO BC ARCHITECTS ENGINEERS FOR THE PREPARATION OF THESE PLANS AND IS NOT CERTIFYING NOR WARRANTING THE DESIGN NOR VERIFYING THE ANALYTICAL RESULTS OF THE STRUCTURAL ANALYSIS PERFORMED BY OTHERS
4. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE PROPOSED CABLES, CABLE LADDER, AND/OR OTHER CABLE SUPPORTING SYSTEM PER CURRENT STRUCTURAL ANALYSIS.
5. ALL COAX CABLES SHALL BE STACKED IN ACCORDANCE WITH THE CURRENT STRUCTURAL ANALYSIS. THE CONTRACTOR OR SUBCONTRACTOR SHALL FURNISH AND INSTALL CABLE LADDER RACK, CABLE TRAYS, ETC., AND/OR CONDUIT AS REQUIRED TO SUPPORT CABLES
6. THE CONTRACTOR SHALL VERIFY WITH CONSTRUCTION TURF VENDORS 48 HOURS PRIOR TO INSTALLATION OF ALL EQUIPMENT/RF CONFIGURATION AND ANY RELATED WORK RELATED TO THE COMPLETION OF THIS PROJECT.
7. THIS DRAWING IS FOR GENERAL INFORMATION ONLY

TOWER SCOPE OF WORK:

TOWER SOW:

1. INSTALL (3) NNH4-65C-R6-V4 IN POS A1/B1/C1
2. INSTALL (3) CELLMAX 120726 IN POS A3/B3/C3
3. INSTALL (3) AIR6419 B77D (TOP/STACKED) & (3) AIR6419 B77G (BOT/STACKED) ON POS A2/B2/C2
4. INSTALL (3) 4472 B12A ON POS A1/B1/C1
5. INSTALL (3) 4890 B25/66 ON POS A3/B3/C3
6. INSTALL (3) 4494 B14/B29 ON POS A3/B3/C3
7. INSTALL (3) DC9-48-60-24-8C-EV. ONE PER SECTOR
8. INSTALL (3) 24 PAIR FIBER. ONE PER SECTOR
9. INSTALL (6) PWRT-606
10. REMOVE EXISTING RRH AND ANTENNAS



SCALE IN FEET

12" 0 2'-0" 4'-0" 6'-0"

PROPOSED ANTENNA PLAN

SCALE: 1/4"=1' (11x17)
SCALE: 1/8"=1' (24x36)

1
A-3

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				GMW	

AT&T PROJECTS

PROPOSED ANTENNA PLAN

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6



SECTOR	ANTENNA TECHNOLOGY	ANTENNA POSITION	MODEL	RAD CENTER (AGL)	AZIMUTH	COAX CABLES	OTHER CABLES	TMA'S	TOWER DIPLEXERS	RRU'S	OTHER EQUIPMENT
ALPHA	LTE 700 LTE 850	A1	NNH4-65C-R6-V4	152'	35°	N/A	(N) (3) 24 PAIR FIBER TRUNKS (N) (6) 606 POWER TRUNKS	N/A	N/A	(1) (N) 4472 B12A	(N) (3) DC9
	5G CBAND 5G DOD	A2	AIR6419 B77D (STACKED ABOVE) AIR6419 B77G (STACKED BELOW)	150'/154'	35°			N/A	N/A	INTEGRATED	
	LTE 700 LTE 1900 LTE AWS	A3	CELLMAX 120726	152'	35°			N/A	N/A	(1) (N) 4890 B25/B66 (1) (N) 4494 B14/B29	
BETA	LTE 700 LTE 850	B1	NNH4-65C-R6-V4	152'	135°			N/A	N/A	(1) (N) 4472 B12A	
	5G CBAND 5G DOD	B2	AIR6419 B77D (STACKED ABOVE) AIR6419 B77G (STACKED BELOW)	150'/154'	135°			N/A	N/A	INTEGRATED	
	LTE 700 LTE 1900 LTE AWS	B3	CELLMAX 120726	152'	135°			N/A	N/A	(1) (N) 4890 B25/B66 (1) (N) 4494 B14/B29	
GAMMA	LTE 700 LTE 850	C1	NNH4-65C-R6-V4	152'	255°			N/A	N/A	(1) (N) 4472 B12A	
	5G CBAND 5G DOD	C2	AIR6419 B77D (STACKED ABOVE) AIR6419 B77G (STACKED BELOW)	150'/154'	255°			N/A	N/A	INTEGRATED	
	LTE 700 LTE 1900 LTE AWS	C3	CELLMAX 120726	152'	255°			N/A	N/A	(1) (N) 4890 B25/B66 (1) (N) 4494 B14/B29	

ANTENNA SCHEDULE

SCALE: N.T.S.

1
A-4

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2	09-12-25	FINAL CONSTRUCTION DRAWINGS	SD	GMW	CDM
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AT&T PROJECTS

ANTENNA SCHEDULE

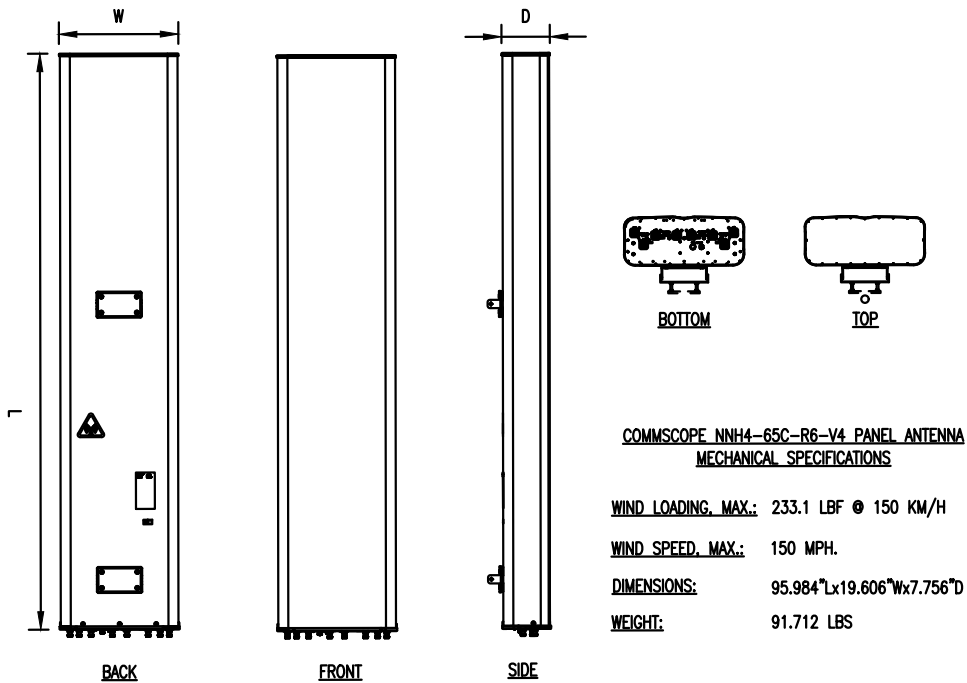
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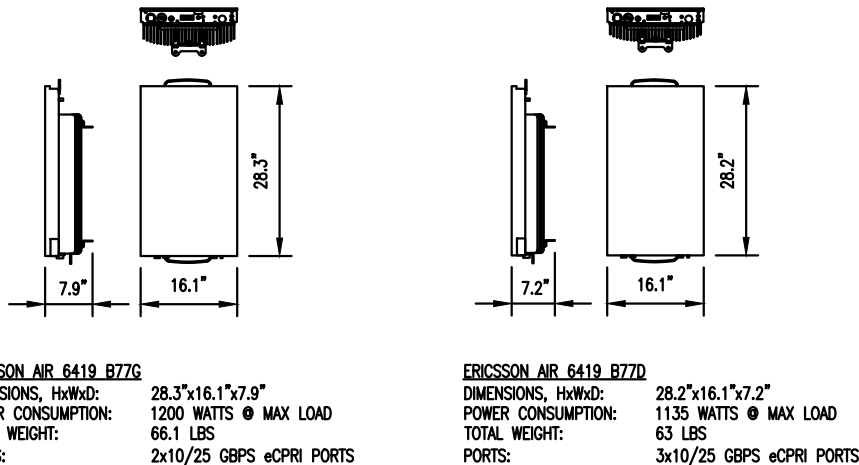
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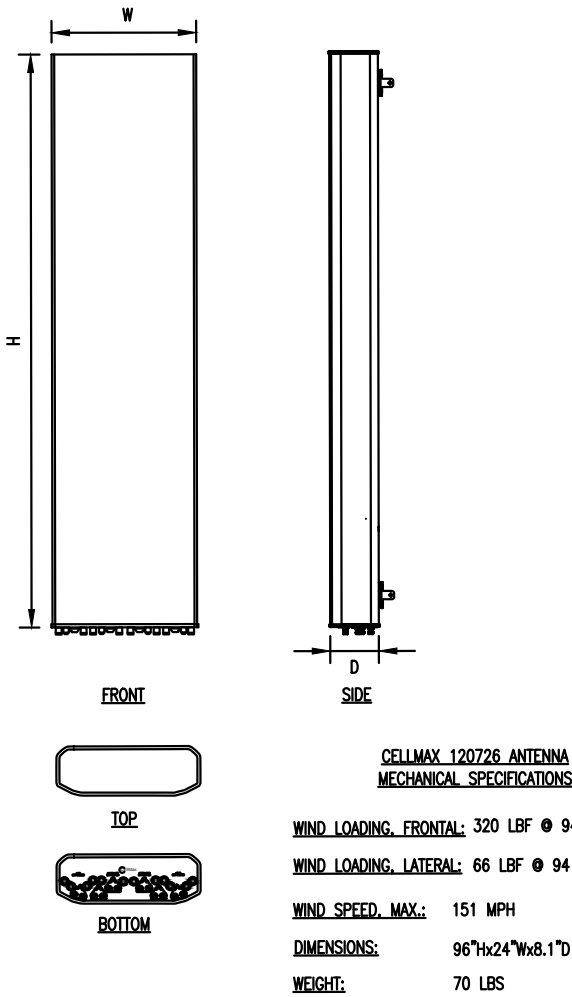




COMMSCOPE NNH4-65C-R6-V4 ANTENNA DETAIL 1 A-5
SCALE: N.T.S.



AIR6419 B77D/B77G ANTENNA DETAILS 2 A-5
SCALE: N.T.S.



CELLMAX 120726 ANTENNA DETAIL 3 A-5
SCALE: N.T.S.

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2	09-12-25	FINAL CONSTRUCTION DRAWINGS	SD	GMW	CDM	TOWER EQUIPMENT DETAILS
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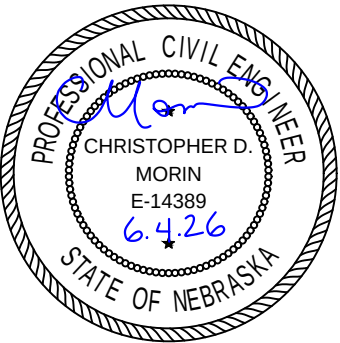
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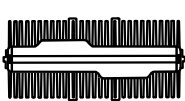
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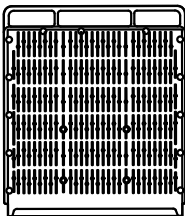
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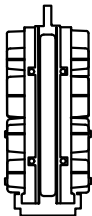




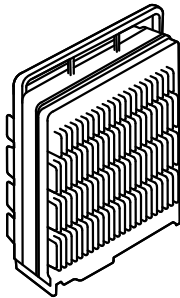
TOP VIEW



FRONT VIEW



SIDE VIEW



ISO VIEW

RRUS 4890 B25/B66

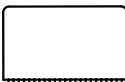
TECHNICAL SPECIFICATIONS

BAND:	8 PORT, 4T8R PER BAND (B25 & B66)
480W OF TOTAL POWER:	4x60W PER BAND (4T4R IN EACH BAND)
IBW:	FULL IBW IN EACH BAND
CARRIER BW:	MAX 6 CARRIER PER PORT (DL), MAX 3 CARRIERS PER PORT (UL)
OUTPUT POWER:	-48 VDC 3-WIRE OR 2-WIRE (SINGLE DC-CONNECTOR)
CONNECTION TYPE:	4x4.3-10 PLUS (F)
FIELD GROUND:	DUAL LUG
WEIGHT:	~68 LBS
VOLUME:	~30 L
DIMENSION: (H"xW"xD)	17.5" x 15.1" x 6.8"

4890 B25/B66 RRH DETAIL

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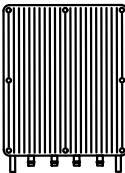
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TOP VIEW



SIDE VIEW



FRONT VIEW

ERICSSON - RRUS 4472HP B12A
TECHNICAL SPECIFICATIONS

- 4T4R SINGLE-BAND FDD
- CPRI, NG-OLLS
- UL: 699-715MHZ, DL: 729-745MHZ
- IBW, CBW: FULL BAND
- OUTPUT POWER: 4X60W
- CPRI 2X2.5/4.9/9.8/10.1/24.3 GBPS , ECPRI 2X10.3/25.8 GBPS ((HW PREPARED FOR OLLS)
- WEIGHT: ~35 LBS
- DIMENSIONS (HXWXD): 13.9" X 10.3" X 6.2"
- -48 VDC 3-WIRE OR 2-WIRE (SINGLE DC-CONNECTOR)
- AISG TMA & RET SUPPORT VIA RS-485 OR RF CONNECTORS
- 2 EXTERNAL ALARM
- OPTIONAL FAN FOR INCREASED SITE FLEXIBILITY
- IP 65, -40 TO +55°C

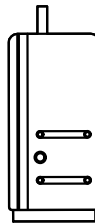
4472 B12A RRH DETAIL

SCALE: N.T.S.

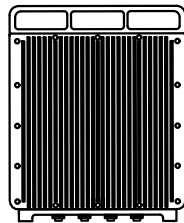
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A-5.1



TOP VIEW



SIDE VIEW



FRONT VIEW

ERICSSON - RRUS 4494 B14/B29

TECHNICAL SPECIFICATIONS	
BAND	4T4R/2T
PA POWER	B14: 4X40W B29: 2X40W
OUTPUT POWER:	-48 VDC 3-WIRE OR 2-WIRE (SINGLE DC-CONNECTOR)
FRONT AREA	384 MM X 444 MM
DEPTH	143 MM
WEIGHT	26 KG

4494 B14/B29 RRH DETAIL

SCALE: N.T.S.

3
A-5.1



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NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED GMW	DRAWN GMW		

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AT&T PROJECTS

TOWER EQUIPMENT DETAILS



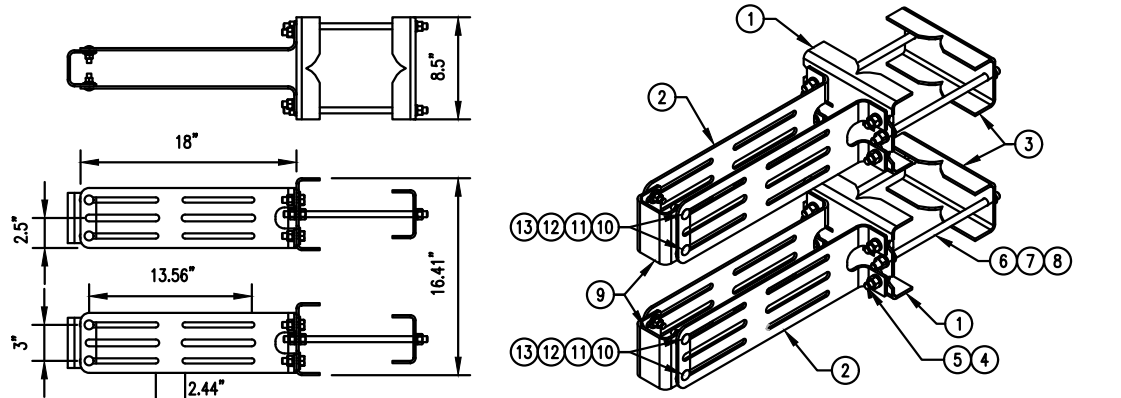
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6





RR-FA2 DUAL RRU MOUNT

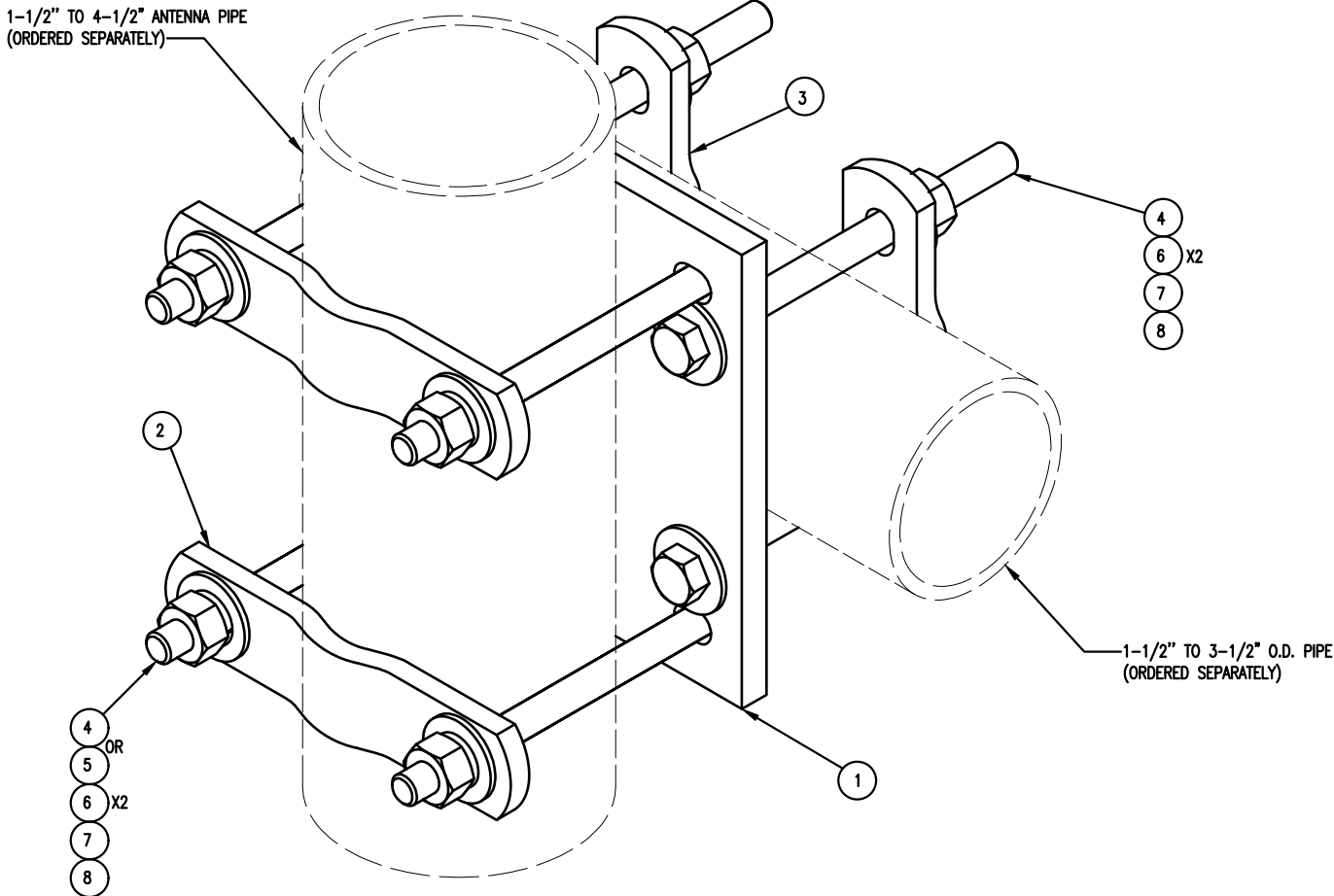
TECHNICAL SPECIFICATIONS:	
DIMENSIONS:	16.4" (H) X 18" (L)
MOUNTING DIAMETER 2, (MAXIMUM):	6"
MOUNTING DIAMETER 2, (MINIMUM):	1.5"
MOUNTING DIAMETER, (MAXIMUM):	5.6"
MOUNTING DIAMETER, (MINIMUM):	2.4"
WEIGHT:	36 LBS
MATERIAL:	HOT DIP GALVANIZED STEEL
WEIGHT:	36 LBS

COMPONENT PART NUMBERS PROVIDED FOR ASSEMBLY PURPOSES; INDIVIDUAL COMPONENTS MAY BE SHIPPED AS PARTS WITHIN AN INCLUDED KIT.

ITEM	PART NO.	DESCRIPTION	QTY.	WEIGHT
1	MTC378912	WELDED FRONT BRACKET	2	4.18 LBS
2	MTC378909	RRU HANGER	4	3.97 LBS
3	MTC378903	REAR BRACKET	2	3.10 LBS
4	GWFL-04	1/2" GALV FLAT WASHER	8	0.04 LBS
5	GB-04145	1/2" X 1-1/2" GALV BOLT KIT	8	0.13 LBS
6	GWL-04	1/2" GALV LOCK WASHER	12	0.01 LBS
7	GN-04	1/2" GALV HEX NUT	12	0.04 LBS
8	MT-379	1/2" X 12" GALV THREADED ROD	4	0.66 LBS
9	RRFA-0001-00	BRACKET, RRU MOUNT SMALL STABILIZER	2	1.46 LBS
10	GWFL-03	3/8" GALV FLAT WASHER	8	0.01 LBS
11	GWL-03	3/8" GALV LOCK WASHER	8	0.01 LBS
12	GN-03	3/8" GALV HEX NUT	8	0.02 LBS
13	MTC8196	3/8 X 1-1/4" CARRIAGE BOLT	8	0.052 LBS

RR-FA2 DUAL RRU MOUNT (OR APPROVED EQUAL)

SCALE: N.T.S.

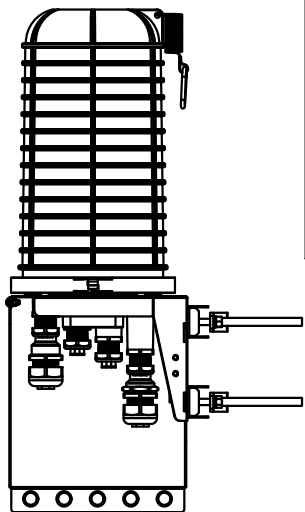


PARTS LIST

ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	SCX7	CROSSOVER PLATE	8"	7.55	7.55
2	2	X-115765	5" V-CLAMP		1.02	2.04
3	2	X-100064	CLAMP (S) (4" V-CLAMP) GALVANIZED		0.91	1.83
4	8	G12065	1/2" x 6-1/2" HDG HEX BOLT GR5 FULL THREAD	6.5"	0.41	3.28
5	4	G12045	1/2" x 4.5" HDG HEX BOLT GR5 FULL THREAD	4.5"	0.30	1.19
6	16	G12FW	1/2" HDG USS FLATWASHER		0.03	0.54
7	8	G12LW	1/2" HDG LOCKWASHER		0.01	0.11
8	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT.	16.98

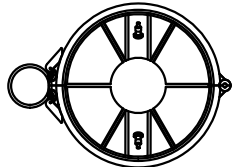
SCX7-U CROSSOVER KIT DETAIL

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DC9 SQUID DETAIL

SCALE: N.T.S.



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				GMW	

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TOWER EQUIPMENT DETAILS



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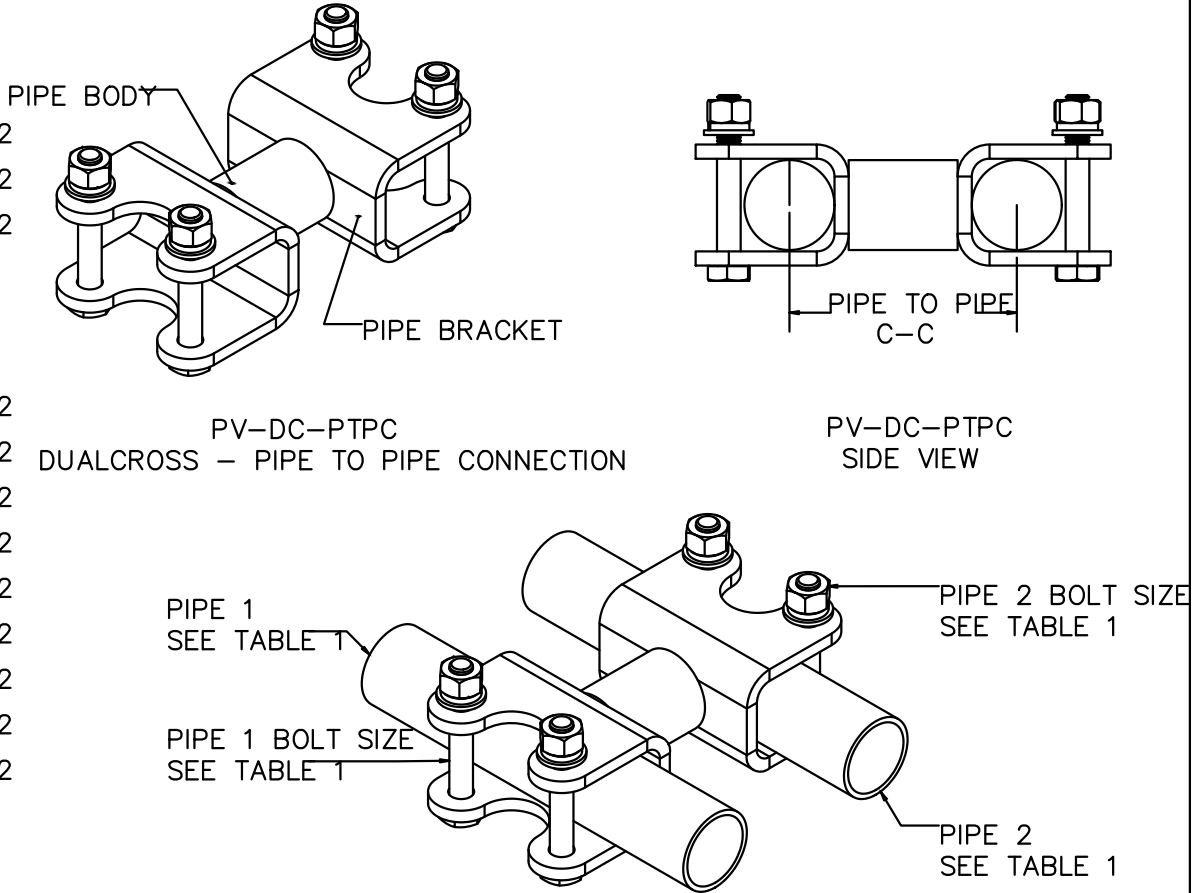


PV-DC-PTPC
DUALCROSS - PIPE TO PIPE CONNECTION

Table 1: Crossover Pipe to Pipe Connection Configurations						
Part Number	Weight	Pipe to C-C	Pipe 1 Size	Pipe 2 Size	Pipe 1 Bolt Size	Pipe 2 Bolt Size
	lbs	in	in	in	in	in
PV-DC-PTPC-2020	6 13	6	Ø2.375	Ø2.375	Ø5/8 x 4-1/2	Ø5/8 x 4-1/2
PV-DC-PTPC-2020	12 4.8	12	Ø2.375	Ø2.375	Ø5/8 x 4-1/2	Ø5/8 x 4-1/2
PV-DC-PTPC-2020	24 8.5	24	Ø2.375	Ø2.375	Ø5/8 x 4-1/2	Ø5/8 x 4-1/2
PV-DC-PTPC-2025	6 13.8	6	Ø2.375	Ø2.875	Ø5/8 x 4-1/2	Ø5/8 x 5
PV-DC-PTPC-2025	12 5.7	12	Ø2.375	Ø2.875	Ø5/8 x 4-1/2	Ø5/8 x 5
PV-DC-PTPC-2025	24 9.3	24	Ø2.375	Ø2.875	Ø5/8 x 4-1/2	Ø5/8 x 5
PV-DC-PTPC-2030	6 15	6	Ø2.375	Ø3.5	Ø5/8 x 4-1/2	Ø5/8 x 5-1/2
PV-DC-PTPC-2030	12 9.1	12	Ø2.375	Ø3.5	Ø5/8 x 4-1/2	Ø5/8 x 5-1/2
PV-DC-PTPC-2030	24 0.4	24	Ø2.375	Ø3.5	Ø5/8 x 4-1/2	Ø5/8 x 5-1/2
PV-DC-PTPC-2525	6 15.2	6	Ø2.875	Ø2.875	Ø5/8 x 5	Ø5/8 x 5
PV-DC-PTPC-2525	12 18	12	Ø2.875	Ø2.875	Ø5/8 x 5	Ø5/8 x 5
PV-DC-PTPC-2525	24 3.9	24	Ø2.875	Ø2.875	Ø5/8 x 5	Ø5/8 x 5
PV-DC-PTPC-2530	6 16.2	6	Ø2.875	Ø3.5	Ø5/8 x 5	Ø5/8 x 5-1/2
PV-DC-PTPC-2530	12 19.1	12	Ø2.875	Ø3.5	Ø5/8 x 5	Ø5/8 x 5-1/2
PV-DC-PTPC-2530	24 25	24	Ø2.875	Ø3.5	Ø5/8 x 5	Ø5/8 x 5-1/2
PV-DC-PTPC-3030	6 17.5	6	Ø3.5	Ø3.5	Ø5/8 x 5-1/2	Ø5/8 x 5-1/2
PV-DC-PTPC-3030	12 21.3	12	Ø3.5	Ø3.5	Ø5/8 x 5-1/2	Ø5/8 x 5-1/2
PV-DC-PTPC-3030	24 8.9	24	Ø3.5	Ø3.5	Ø5/8 x 5-1/2	Ø5/8 x 5-1/2
PV-DC-PTPC-3040	6 19.1	6	Ø3.5	Ø4.5	Ø5/8 x 5-1/2	Ø5/8 x 6-1/2
PV-DC-PTPC-3040	12 23	12	Ø3.5	Ø4.5	Ø5/8 x 5-1/2	Ø5/8 x 6-1/2
PV-DC-PTPC-3040	24 0.5	24	Ø3.5	Ø4.5	Ø5/8 x 5-1/2	Ø5/8 x 6-1/2

NOTE: 'PIPE BODY' DIAMETER IS ALWAYS EQUIVALENT TO 'PIPE 1' DIAMETER SIZE

- NOTES:
- INSTALLATION REQUIREMENTS:
 - MINIMUM BOLT TORQUE: 100 FT-LBS
 - CLEAN, DRY ASSEMBLY
 - GALVANIZED WELDMENT AND HARDWARE
 - COLORED WAX COATING ON NUTS
 - MATERIALS
 - PIPE BRACKET: A36 HDG
 - PIPE BODY: A500 GR. C
 - HARDWARE: A325 HDG BOLT, A563DH NUT



SHEET 1 OF 2	THIRD ANGLE PROJECTION 	CATEGORY 06_Pipe and Attachment Hardware	4			
		SERIES 01_Crossovers	3			
12/30/2027	SCALE 1: 4	TYPE PV-DC-PTPC_Pipe to Pipe connection	2			
DIMENSIONS ARE IN INCHES TOLERANCES: UNLESS OTHERWISE SPECIFIED: HOLES: ±.015" - .032" ANGULAR: PROFILE 1/4", BEND 1/16" ALL OTHERS: 1/16"			BY INT	1		
			CHECKED	0	INITIAL RELEASE	3/30/20
			STATUS APPROVED	REV	DESCRIPTION	DATE
			DUALCROSS - PIPE TO PIPE CONNECTION			
			DOCUMENT NUMBER PTPC-ENG-01-R0			REV 0

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DUALCROSS - PIPE TO PIPE CONNECTION
SCALE: N.T.S.

1
A-5.3

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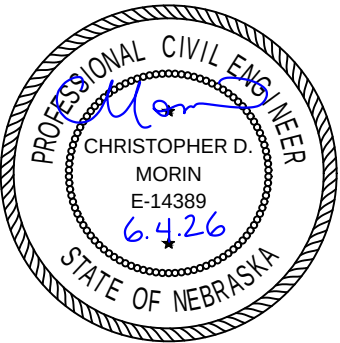
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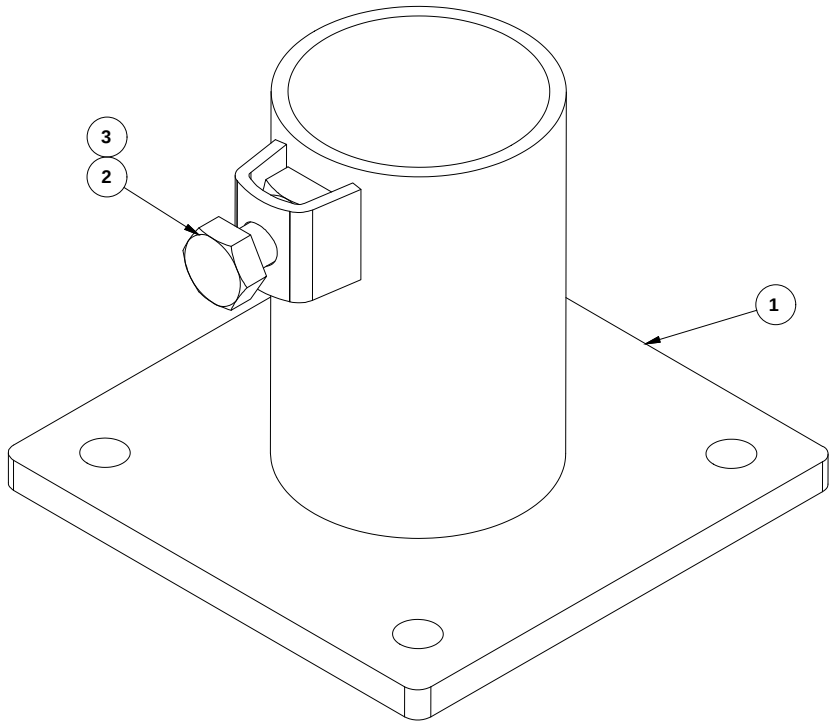
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PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-BSF35	BASE SHOE WELDMENT FOR 3-1/2" BASE SHOE FOOT		13.71	13.71
2	1	G58134	5/8" x 1-3/4" HDG BOLT	1 3/4 in	0.27	0.27
3	1	G58SQNUT	5/8" SQUARE NUT		0.11	0.11
					TOTAL WT. #	14.10



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS AND ANGLES ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

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DESCRIPTION

BASE SHOE FOOT
FOR 3-1/2" O.D. PIPE

CPD NO.	DRAWN BY CEK 8/9/2019	ENG. APPROVAL
CLASS 81	SUB 01	DRAWING USAGE CUSTOMER
	CHECKED BY BMC 8/26/2019	



Engineering
Support Team:
1-888-753-7446

Locations:
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A valmont COMPANY

PART NO.	BSF35
DWG. NO.	BSF35

PAGE
1 OF 1

SITE PRO 1 BASE SHOE FOOT #BSF35

SCALE: N.T.S.



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TOWER EQUIPMENT DETAILS		
BC architects	DRAWING NUMBER	REV
	A-5.4	6



PART 1 – GENERAL

- 1.1 SCOPE:
- A. PROVIDE FABRICATION AND ERECTION OF STRUCTURAL STEEL AND OTHER ITEMS AS SHOWN ON THE DRAWINGS OR REQUIRED BY OTHER SECTIONS OF THESE SPECIFICATIONS.
- 1.2 REFERENCES:
- A. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (13TH EDITION), ALLOWABLE STRESS DESIGN (ASD)

B. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
ASTM A36: STRUCTURAL STEEL
ASTM A53: PIPE, STEEL, BLACK AND HOT DIPPED, ZINC-COATED WELDED AND SEAMLESS
ASTM A108: STEEL BARS, CARBON, COLD FINISHED, STANDARD QUALITY
ASTM A123: ZINC (HOT-DIPPED GALVANIZED) COATING ON IRON AND STEEL PRODUCTS
ASTM A307: CARBON STEEL BOLTS AND STUDS, 60,000 PSI TENSILE STRENGTH
ASTM A325: HIGH-STRENGTH BOLT FOR STRUCTURAL STEEL JOINTS
ASTM A490: HEAT-TREATED, STRUCTURAL STEEL BOLTS, 150 (KSI) (1035MPA) TENSILE STRENGTH
ASTM A500: COLD-FORMED WELDED AND SEAMLESS CARBON STEEL STRUCTURAL TUBING IN ROUNDS AND SHAPES.
ASTM A563: CARBON AND ALLOY STEEL NUTS
ASTM B695: COATINGS OF ZINC MECHANICALLY DEPOSITED ON IRON AND STEEL
ASTM F436: HARDENED STEEL WASHERS
ASTM F959: COMPRESSIBLE-WASHER-TYPE DIRECT TENSION INDICATOR FOR USE WITH STRUCTURAL FASTENERS

C. AMERICAN WELDING SOCIETY (AWS):
AWS A5.1: COVERED CARBON STEEL ARC WELDING ELECTRODES
AWS A5.5: LOW ALLOY STEEL COVERED ARC WELDING ELECTRODES
AWS D1.1: STRUCTURAL WELDING CODE – STEEL

D. RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC): "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS OR ASTM A490 BOLTS" AS ENDORSED BY AISC

E. STEEL STRUCTURES PAINTING COUNCIL (SSPC):
SSPC-SP3: POWER TOOL CLEANING
SSPC-PAINT 11: RED IRON OXIDE, ZINC CHROME, RAW UNSEED OIL OR ALKYD PAINT.
- 1.3 SUBMITTALS:
- A. SUBMIT THE FOLLOWING FOR APPROVAL:

1.FABRICATION AND ERECTION DRAWINGS SHOWING ALL DETAILS, CONNECTIONS, MATERIAL DESIGNATIONS, AND ALL TOP STEEL ELEVATIONS

B. WELDERS SHALL BE QUALIFIED AS PRESCRIBED IN AWS D1.1.

PART 2 – PRODUCTS

- 2.1 STRUCTURAL STEEL:
- A. SHAPES, PLATES AND BARS SHALL CONFORM TO ASTM A36 AND ASTM A992

B. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B STEEL PIPE SHALL CONFORM TO ASTM A53, TYPE E OR S, GRADE B.
- 2.2 ANCHOR BOLTS:
- A. ANCHOR BOLTS SHALL CONFORM TO ASTM A307 WITH HEAVY HEXAGONAL NUTS
- 2.3 BOLTS:
- A. COMMON (MACHINE) BOLTS SHALL CONFORM TO ASTM A307 GRADE A AND NUTS TO ASTM A563 ONE COMMON BOLT ASSEMBLY SHALL CONSIST OF A BOLT, A HEAVY HEX NUT, AND A HARDENED WASHER

B. HIGH STRENGTH BOLT SHALL CONFORM TO ASTM A325, ONE HIGH STRENGTH BOLT ASSEMBLY SHALL CONSIST OF A HEAVY HEX STRUCTURAL BOLT, A HEAVY HEX NUT, A HARDENED WASHER CONFIRMING WITH ASTM F436 AND A DIRECT TENSION INDICATOR CONFORMING WITH STM F959 THE HARDENED WASHER SHALL BE INSTALLED AGAINST THE ELEMENT TURNED IN TIGHTENING UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL CONNECTIONS SHALL BE BEARING TYPE CONNECTIONS
- 2.4 WELDING ELECTRODES:
- A. WELDING ELECTRODES SHALL COMPLY WITH AWS D1.1 USING A5.1 OR A5.5 E70XX AND SHALL BE COMPATIBLE WITH THE WELDING PROCESS SELECTED.
- 2.5 PRIMER:
- A. PRIMER SHALL BE RED OXIDE-CHROMATE PRIMER COMPLYING WITH SSPC PAINT SPECIFICATION NO. 11.

PART 3 – EXECUTION

- 3.1 FABRICATION:
- A. SHOP FABRICATE AND ASSEMBLY MATERIALS AS SPECIFIED HEREIN

1.FABRICATE ITEMS OF STRUCTURAL STEEL IN ACCORDANCE WITH THE AISC-ASD SPECIFICATION, AND AS INDICATED ON THE APPROVED SHOP DRAWINGS

2.ALL EXPOSED STRUCTURAL STEEL SHALL BE HOT DIP GALVANIZED PER ASTM

3.PROPERLY MARK AND MATCH-MARK MATERIALS FOR FIELD ASSEMBLY AND FOR IDENTIFICATION AS TO LOCATION FOR WHICH INTENDED.

4.FABRICATE AND DELIVER IN A SEQUENCE WHICH WILL EXPEDITE ERECTION AND MINIMIZE FIELD HANDLING OF MATERIALS

5.WHERE FINISHING IS REQUIRED, COMPLETE THE ASSEMBLY, INCLUDING THE WELDING OF UNITS, BEFORE START OF FINISHING OPERATIONS

6.PROVIDE FINISH SURFACE OF MEMBERS EXPOSED IN THE FINAL STRUCTURE FREE FROM MARKINGS, BURNS, AND OTHER DEFECTS.

B. PROVIDE CONNECTIONS AS SPECIFIED HEREIN:

1.PROVIDE BOLTS AND WASHERS OF TYPES AND SIZE REQUIRED FOR COMPLETION OF FIELD ERECTION . USE 3/4 INCH DIAMETER A325 BOLTS UNLESS NOTED OTHERWISE.

2.INSTALL HIGH STRENGTH THREADED FASTENERS IN ACCORDANCE WITH RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS "

- 3.WELDED CONSTRUCTION SHALL COMPLY WITH AWS D1.1 FOR PROCEDURES, APPEARANCE, QUALITY OF WELD, AND METHODS USED IN CORRECTING WELDED WORK.
- 4.THE FABRICATOR SHALL FURNISH AND INSTALL ERECTION CLIPS FOR FIT-UP OF WELDED CONNECTIONS.
- 5.DOUBLE ANGLE MEMBERS SHALL HAVE WELDED FILLERS SPACED IN ACCORDANCE WITH CHAPTER E4 OF THE AISC-ASD SPECIFICATION
- 6.GUSSET AND STIFFENER PLATES SHALL BE 3/8 INCH THICK MINIMUM.
- 3.2 PRIMING:
- A. STRUCTURAL STEEL SHALL BE PRIMED AS SPECIFIED HEREIN, UNLESS SHOWN OTHERWISE ON THE DRAWINGS

B. STRUCTURAL STEEL SURFACE PREPARATION SHALL CONFORM TO SSPC-SP3, "POWER TOOL CLEANING "

C. SURFACE PREPARATION AND PRIMER SHALL BE IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE AS INCLUDED IN THE ASD MANUAL OF STEEL CONSTRUCTION

D. MATERIALS SHALL REMAIN CLOSED UNTIL REQUIRED FOR USE, MANUFACTURER'S POT-LIFE REQUIREMENTS SHALL BE STRICTLY ADHERED TO

E. PRIMER SHALL BE APPLIED TO DRY, CLEAN, PREPARED SURFACE AND UNDER FAVORABLE CONDITIONS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER PRIMING SHALL NOT BE DONE WHEN AMBIENT TEMPERATURE IS LESS THAN 50 DEGRES F, THE RELATIVE HUMIDITY IS MORE THAN 90 PERCENT, OR THE SURFACE TEMPERATURE IS LESS THAN 5 DEGREES F ABOVE THE DEW POINT.

F. GENERALLY ALL PRIMER SHALL BE SPRAY APPLIED BRUSH OR ROLLER APPLICATION SHALL BE RESTRICTED TO TOUCHUP AND TO AREAS NOT ACCESSIBLE BY SPRAY GUN

G. PRIMER SHALL BE UNIFORMLY APPLIED WITHOUT RUNS, SAGS, SOLVENT BLISTERS, DRY SPRAY OR OTHER BLEMISHES. ALL BLEMISHES AND OTHER IRREGULARITIES SHALL BE REPAIRED OR REMOVED AND THE AREA RE-COATED SPECIAL ATTENTION SHALL BE PAID TO CREVICES, WELD LINES, BOLT HEADS, CORNERS, EDGES, ETC., TO OBTAIN THE REQUIRED NOMINAL FILM THICKNESS

H. THE DRY FILM THICKNESS OF THE PRIMER SHALL BE 2.0 MILS.

I. IF THE PRIMER IS DAMAGED BY WELDING OR PHYSICAL ABUSE, THE AREA SHALL BE TOUCHED-UP AND REPAIRED. THE TOUCHUP PAINT SHALL BE COMPATIBLE WITH THE APPLIED PRIMER WITH MINIMUM DRY FILM THICKNESS OF 1.5 MILS.
- 3.3 INSTALLATION:
- A. INSTALLATION OF STRUCTURAL STEEL SHALL COMPLY WITH AISC "CODE OF STANDARD PRACTICE "

B. STRUCTURAL FIELD WELDING SHALL BE DONE BY THE ELECTRIC SUBMERGED OR SHIELDED METAL ARC PROCESS. WELDED CONSTRUCTION SHALL COMPLY WITH AWS D1.1

C. PROVIDE ANCHOR BOLTS AND OTHER CONNECTORS REQUIRED FOR SECURING STRUCTURAL STEEL TO ELEVATOR SHAFT WALLS AND OTHER IN-PLACE WORK. PROVIDE TEMPLATES AND OTHER DEVICES NECESSARY FOR PRESETTING BOLTS AND ANCHORS TO ACCURATE LOCATIONS

D. SPLICE MEMBERS ONLY WHERE INDICATED ON THE DRAWINGS.

E. ANY GAS CUTTING TORCHES HAVE TO BE APPROVED IN WRITING BY THE PROJECT STRUCTURAL ENGINEER.

F. PROVIDE TEMPORARY SHORING BRACING WITH CONNECTIONS OF SUFFICIENT STRENGTH TO BEAR IMPOSED LOADS. REMOVE TEMPORARY CONNECTIONS AND MEMBERS WHEN PERMANENT MEMBERS ARE IN PLACE AND THE FINAL CONNECTIONS HAVE BEEN MADE

G. ALIGN AND ADJUST MEMBERS, AND OTHER SURFACES WHICH WILL BE IN PERMANENT CONTACT, BEFORE ASSEMBLY.

H. HIGH-STRENGTH BOLTS AS A MINIMUM, SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED IN THE LATEST AISC SPECIFICATION ALL HIGH-STRENGTH BOLTS SPECIED ON THE DESIGN DRAWINGS TO BE USED IN PRETENSIONED OR SLIP-CRITICAL JOINTS SHALL BE TIGHTENED TO A BOLT TENSION NOT LESS THAN THAT GIVEN IN AISC TABLE J3.1 INSTALLATION SHALL BE BY ANY OF THE FOLLOWING METHODS: TURN-OF NUT METHOD, A DIRECT-TENSION-INDICATOR, TWIST-OFF-TYPE TENSION-CONTROL BOLT, CALIBRATED WRENCH, OR ALTERNATIVE DESIGN BOLT

TOWER SECTION NOTES

SCALE: N.T.S.

1
A-6

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				GMW	

AT&T PROJECTS

TOWER SECTION NOTES



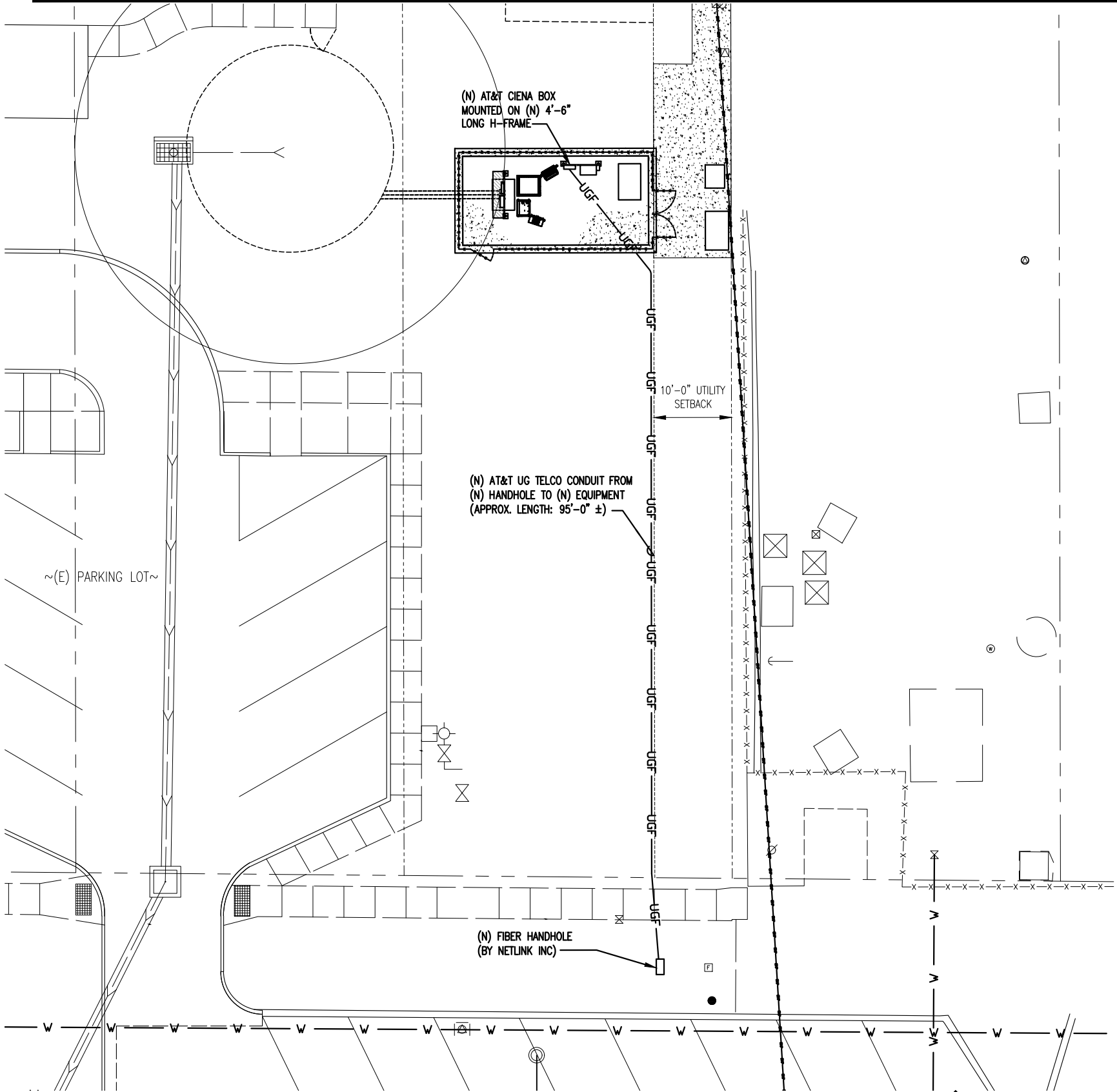
DRAWING NUMBER

A-6

REV

6





FIBER SITE PLAN 1
SCALE: 1/16"=1'-0" (11x17)
SCALE: 1/8"=1'-0" (24x36)
E-0



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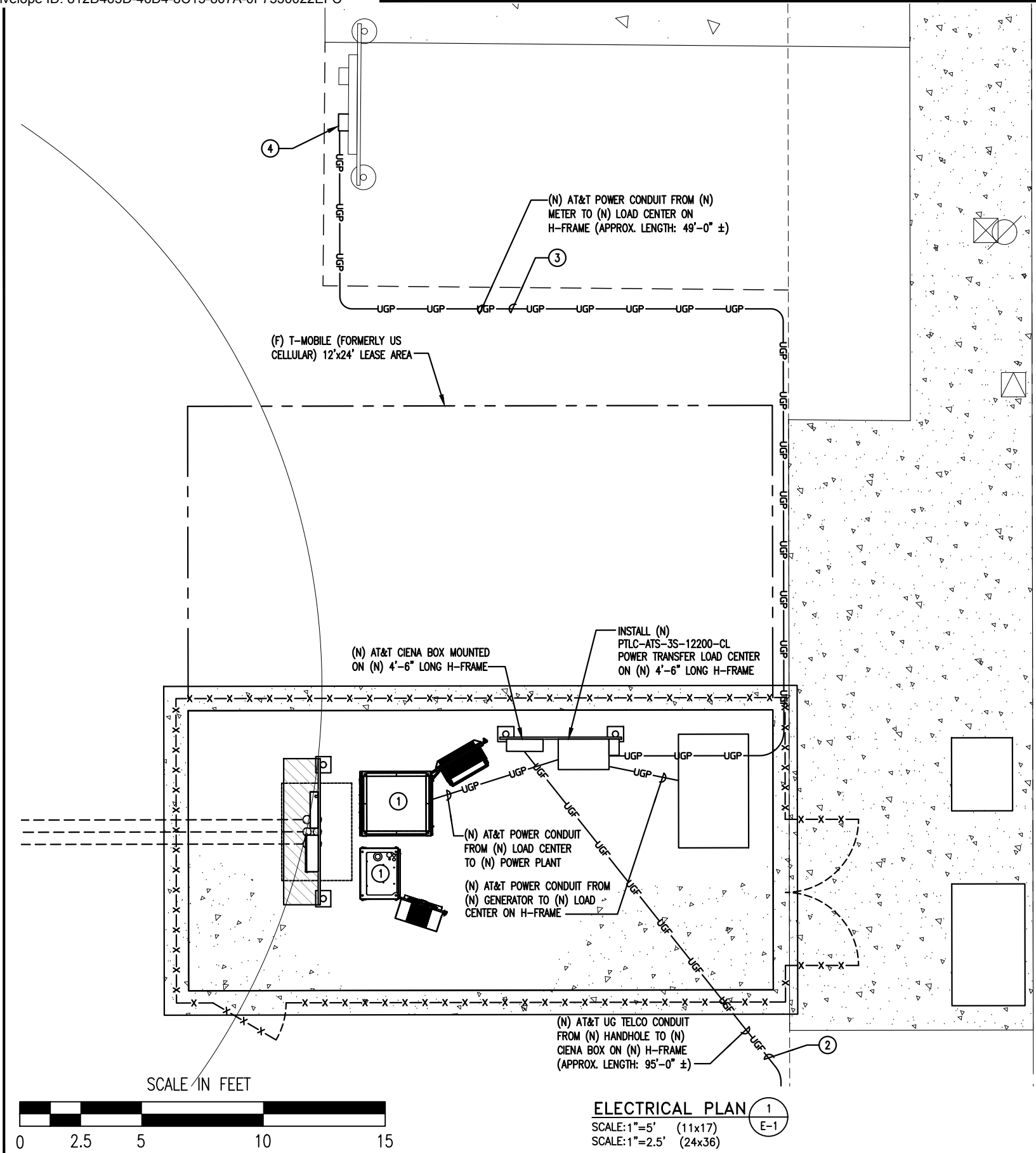
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AT&T PROJECTS		
FIBER SITE PLAN		
BC	DRAWING NUMBER	REV
	E-0	6





NOTE:
CONTRACTOR AND FCM TO VERIFY DESIGN SHOWN ON DRAWINGS WITH DESIGN PROVIDED BY LEC AND EXISTING SITE CONDITIONS PRIOR TO THE START OF CONSTRUCTION. IF DISCREPANCIES ARE NOTED, CONTRACTOR OR FCM TO NOTIFY JACOBS OF DISCREPANCIES PRIOR TO CONSTRUCTION START.

- ① PROPOSED AT&T EQUIPMENT CABINETS ON CONCRETE PAD.

② PROVIDE AND INSTALL (3) 1-1/4" HDPE CONDUIT WITH LONG SWEEPS FOR FIBER FROM PROPOSED HANDHOLE TO PROPOSED CIENA BOX ON (N) H-FRAME.

③ PROPOSED POWER IN PROPOSED 2-1/2" SCH 40 HDPE CONDUIT WITH 3-#3/0, 1-#4G CONDUCTORS FROM PROPOSED METER TO PROPOSED LOAD CENTER ON H-FRAME. (FIELD VERIFY LOCATION).

④ METER AT UTILITY H-FRAME.

⑤ PROPOSED 20KW GENERAC DIESEL GENERATOR
1. ALL CONDUIT IN COMPOUND SWITCH TO SCH 80 WHEN CROSSING AN ACCESS POINT OR AREA FOR VEHICLE TRAFFIC (FIELD VERIFY LOCATION)

2. PULL STRING TO BE INSTALLED IN ALL PROPOSED CONDUIT.

3. WHEN BORING, CHANGE CONDUIT TO 4" HDPE CONDUIT.

4. THE CONDUIT ROUTING IS DIAGRAMMATICALLY SHOWN ON THE PLANS AND ARE ONLY APPROXIMATIONS. THE EXACT LOCATION AND ROUTING SHALL BE FIELD VERIFIED.

5. ALL ELECTRICAL EQUIPMENT AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED LAMICOID NAMEPLATES, INDICATING THE CIRCUITS ORIGINATION AND ALL EQUIPMENT TERMINATIONS.

6. CONTRACTOR SHALL PROVIDE STRAIN-RELIEF AND CABLE SUPPORTS FOR ALL CABLE ASSEMBLIES, COAX CABLES, AND RET CONTROL CABLES. CABLE STRAIN-RELIEFS, CABLE SUPPORTS SHALL BE APPROVED FOR THE PURPOSE. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

7. ALL CONDUITS SHALL BE INSTALLED IN COMPLIANCE WITH THE 2017 NATIONAL ELECTRIC CODE (NEC) OR AS REQUIRED BY THE LOCAL JURISDICTION, WHICHEVER IS THE MOST STRINGENT.

8. EXISTING UTILITIES MUST BE PROTECTED DURING CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.

NOTES:

FENCE

LEASE AREA

PROPOSED ICE BRIDGE

EXISTING ICE BRIDGE

OVERHEAD POWER

UNDERGROUND POWER

OVERHEAD UTILITIES

UNDERGROUND FIBER AND POWER

UNDERGROUND FIBER

x

x

OH/P

OH/P

UGP

UGP

OH/U

OH/U

UGF/P

UGF/P

UGF

UGF

ELECTRICAL PLAN 1
SCALE: 1"=5' (11x17)
SCALE: 1"=2.5' (24x36)

LEGEND & NOTES 2
SCALE: N.T.S. E-1

BC

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ELECTRICAL PLAN

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6

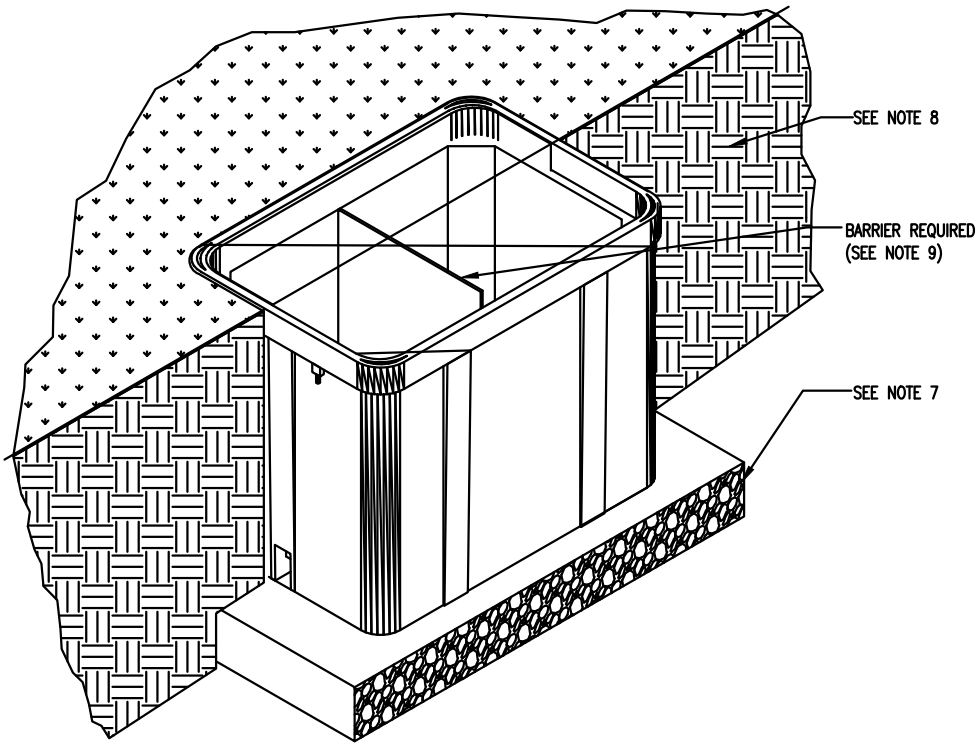
PROFESSIONAL CIVIL ENGINEER

CHRISTOPHER D. MORIN

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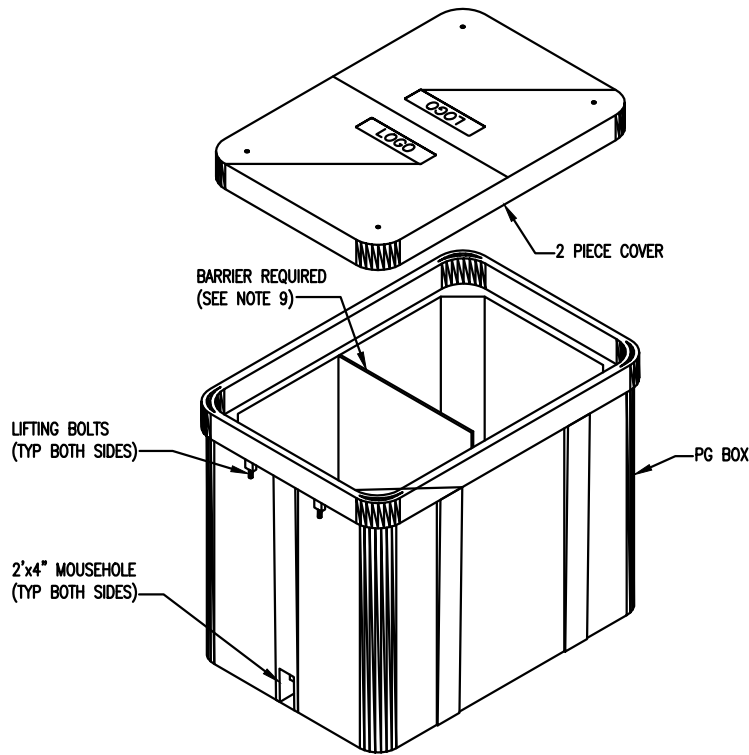
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STATE OF NEBRASKA



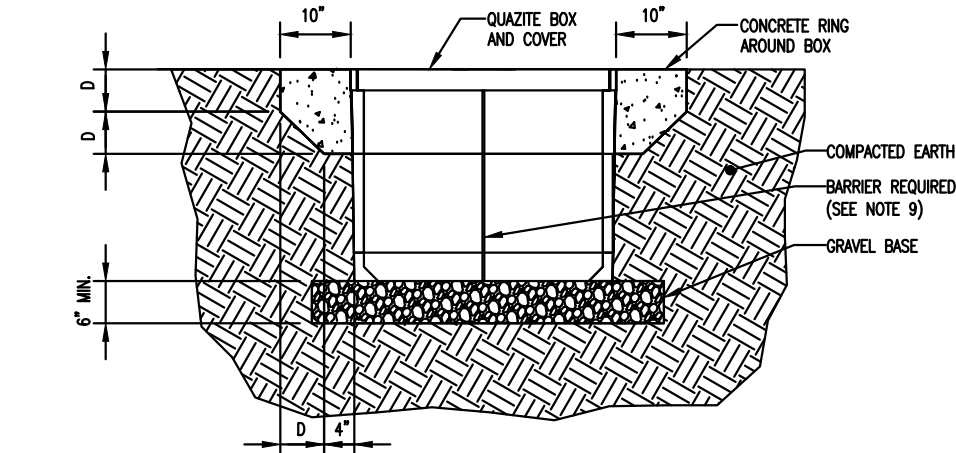
CONCRETE COLLAR APPLICATION MOUNTED IN COMPACTED SOIL
SCALE: N.T.S.

1
E-2



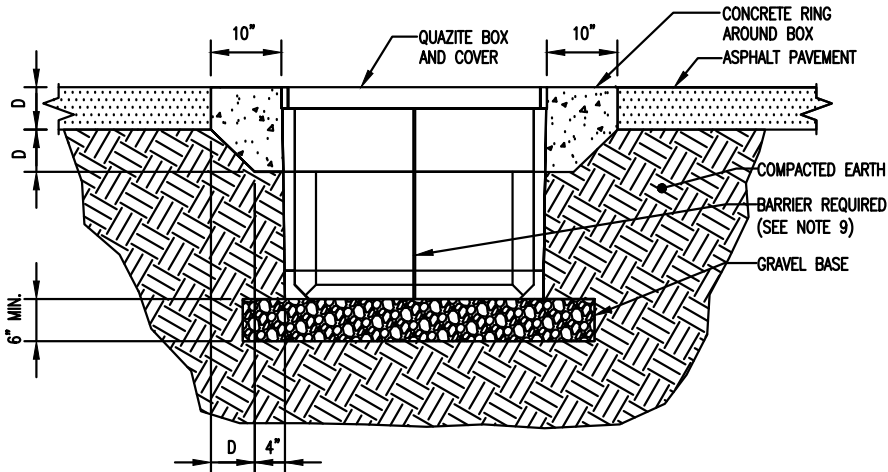
QUAZITE PG BOX WITH 2 PIECE COVER
SCALE: N.T.S.

2
E-2



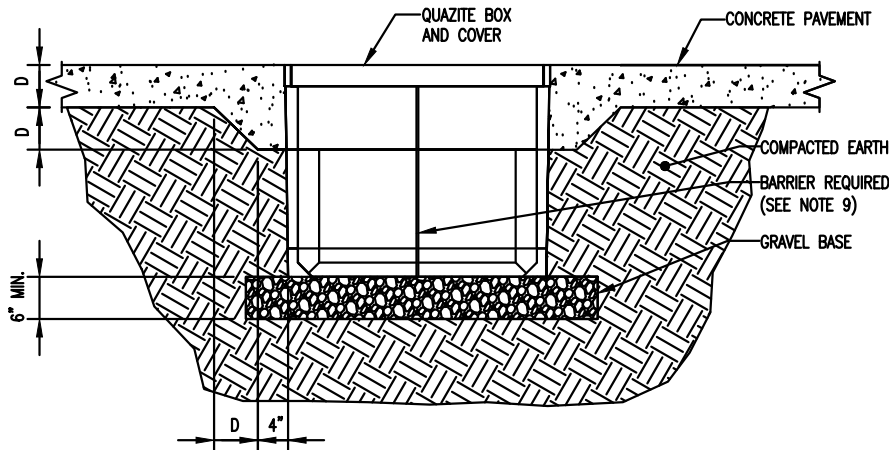
CONCRETE COLLAR APPLICATION MOUNTED IN COMPACTED SOIL
SCALE: N.T.S.

3
E-2



CONCRETE COLLAR APPLICATION MOUNTED IN COMPACTED SOIL
SCALE: N.T.S.

4
E-2



PG BOX WITH NO CONCRETE COLLAR COLLAR MOUNTED IN CONCRETE PAVEMENTS
SCALE: N.T.S.

5
E-2

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OVERALL ELECTRICAL PLAN



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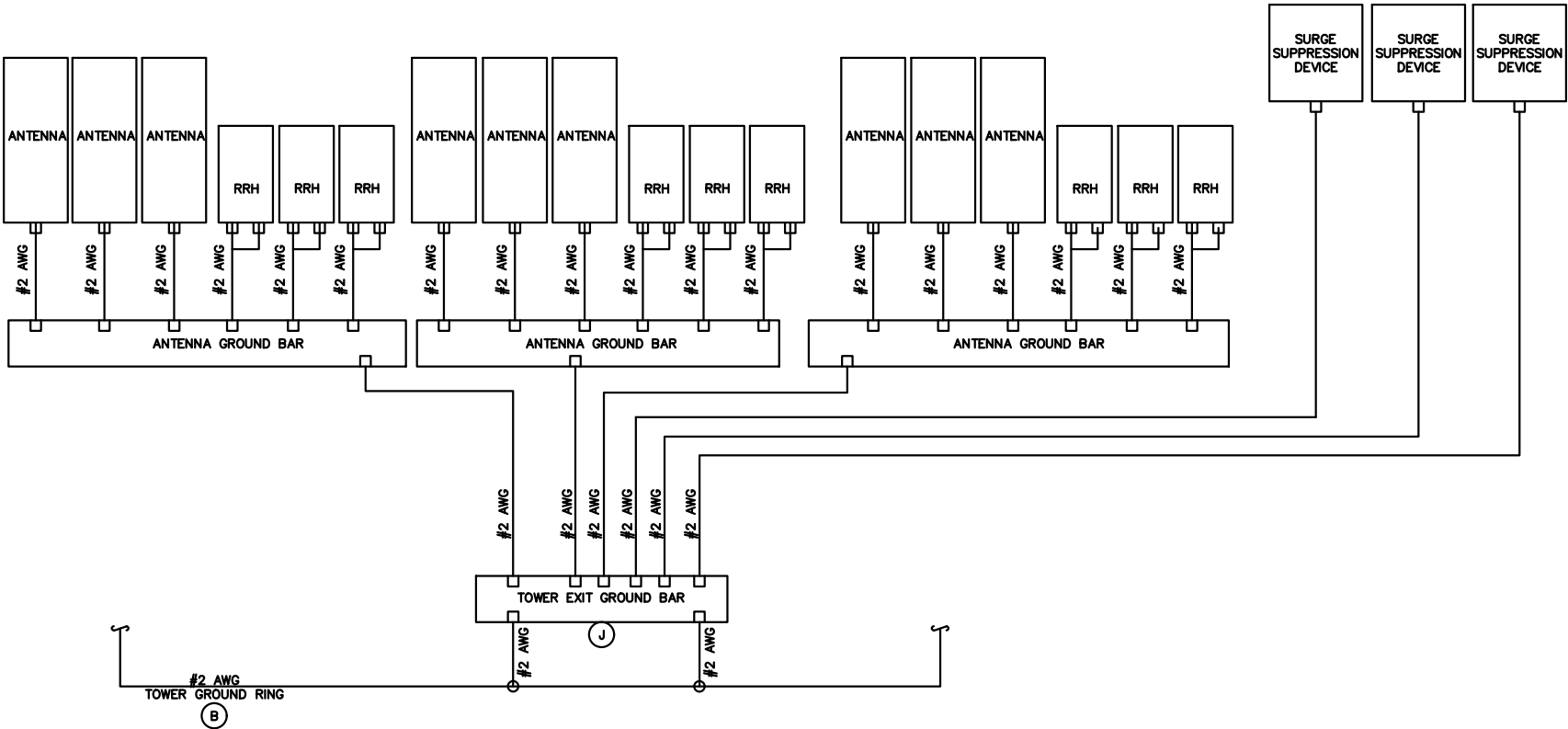
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TOWER ANTENNA EQUIPMENT GROUNDING ONE-LINE DIAGRAM
SCALE: N.T.S.

NOTES:

- (A) EXTERIOR GROUND RING: #2 AWG SOLID COPPER, BURIED AT A DEPTH OF AT LEAST 30 INCHES BELOW GRADE, OR 6 INCHES BELOW THE FROST LINE AND APPROXIMATELY 24 INCHES FROM THE EXTERIOR WALL OR FOOTING. (ATT-TP-76416 2.23.5/7.5.1)
- (B) TOWER GROUND RING: THE GROUND RING SYSTEM SHALL BE INSTALLED AROUND AN ANTENNA TOWER'S LEGS, AND/O GUY ANCHORS. WHERE SEPERATE SYSTEMS HAVE BEEN PROVIDED FOR FOR THE TOWER AND THE BUILDING, AT LEAST TWO BONDS SHALL BE MADE BETWEEN THE TOWER RING GROUND SYSTEM AND THE BUILDING RING GROUND SYSTEM USING MINIMUM #2 AWG SOLID COPPER CONDUCTORS. (ATT-TP-76416 7.5.1)
- (C) INTERIOR GROUND RING: #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTOR EXTENDED AROUND THE PERIMETER OF THE EQUIPMENT AREA. ALL NON-TELECOMMUNICATIONS RELATED METALLIC OBJECTS FOUND WITHIN A SITE SHALL BE GROUNDED TO THE INTERIOR GROUND RING WITH #6 AWG STRANDED GREEN INSULATED CONDUCTOR. (ATT-TP-76416 7.6.4)
- (D) BOND TO INTERIOR GROUND RING: #2 AWG SOLID TINNED COPPER WIRE PRIMARY BONDS SHALL BE PROVIDED AT LEAST AT FOUR POINTS ON THE INTERIOR GROUND RING, LOCATED AT THE CORNERS OF THE BUILDING. (ATT-TP-76416 7.5.2.2)
- (E) GROUND ROD: UL LISTED COPPER CLAD STEEL. MINIMUM 5/8" DIAMETER BY EIGHT FEET LONG. GROUND RODS SHALL BE INSTALLED WITH INSPECTION SLEEVES. GROUND RODS SHALL BE DRIVEN TO THE DEPTH OF GROUND RING CONDUCTOR. (ATT-TP-76416 2.2.3.10)
- (F) CELL REFERENCE GROUND BAR (CRGB): POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO COMMON BUILDING GROUND SYSTEM WITH (2) #2 SOLID TINNED COPPER CONDUCTORS. (ATT-TP-76416 7.6.7)
- (G) HATCH PLATE GROUND BAR: BOND TO THE COMMON BUILDING GROUND SYSTEM WITH TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CRGB MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR GROUND RING USING (2) TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS EACH.
- (H) EXTERIOR CABLE ENTRY PORT GROUND BARS: LOCATED AT THE ENTRANCE TO THE CELL SITE ROOM. BOND TO GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTORS WITH MECHANICAL CONNECTIONS. (ATT-TP-76416 7.6.7.2)
- (I) TOWER EXIT GROUND BAR: #2 AWG SOLID TINNED COPPER BOND TO THE TOWER GROUND RING. (ATT-TP-76416 7.5.5)
- (J) TELCO GROUND BAR: BOND TO BOTH CELL REFERENCE GROUND BAR OR EXTERIOR GROUND RING. (ATT-TP-76416 7.6.8)
- (K) FRAME BONDING: THE BONDING POINT FOR TELECOM EQUIPMENT FRAMES SHALL BE THE GROUND BUS THAT IS NOT ISOLATED FROM THE EQUIPMENTS METAL FRAMEWORK. (ATT-TP-76416 7.8)
- (L) INTERIOR UNIT BONDS: METAL FRAMES, CABINETS AND INDIVIDUAL METALLIC UNITS LOCATED WITH THE AREA OF THE INTERIOR GROUND RING REQUIRE A #6 AWG STRANDED GREEN INSULATED COPPER BOND TO THE INTERIOR GROUND RING. (ATT-TP-76416 7.12.3.1)
- (M) FENCE AND GATE GROUNDING: METAL FENCES SHALL BE BONDED TO THE COMMON BUILDING GROUND SYSTEM WITH A #2 AWG SOLID TINNED COPPER CONDUCTOR AT AN INTERVAL NOT EXCEEDING 25 FEET. BONDS SHALL BE MADE AT EACH GATE POST AND ACROSS GATE OPENINGS. (ATT-TP-76416 7.12.2.2)
- (N) EXTERIOR UNIT BONDS: METALLIC OBJECTS, EXTERNAL TO OR MOUNTED TO THE BUILDING, SHALL BE BONDED TO THE EXTERIOR GROUND RING. (ATT-TP-76416 7.12.2)
- (P) ICE BRIDGE SUPPORTS: EACH ICE BRIDGE LEG SHALL BE BONDED TO THE GROUND RING WITH #2 AWG BARE TINNED COPPER CONDUCTOR. PROVIDE EXOTHERMIC WELDS AT BOTH THE ICE BRIDGE LEG AND BURIED GROUND RING. (ATT-TP-76416 7.4.2.6)
- (Q) DURING ALL DC POWER SYSTEM CHANGES INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICE CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPPED WITH A MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER GROUND BAR (CRGB) PER TP76300 SECTION H 6 AND TP76416 FIGURE 7-11 REQUIREMENTS.

- EXOTHERMIC CONNECTION | | | ● GROUND ROD
■ MECHANICAL CONNECTION | | | ■ TEST GROUND ROD WITH INSPECTION SLEEVE

LEGEND:

- GROUNDING IS SHOWN DIAGRAMMATICALLY ONLY.
- CONTRACTOR SHALL GROUND ALL EQUIPMENT AS A COMPLETE SYSTEM. GROUNDING SHALL BE IN COMPLIANCE WITH NEC SECTION 250 AND AT&T GROUNDING AND BONDING REQUIREMENTS (ATT-TP-76416) AND MANUFACTURER'S SPECIFICATIONS.
- ALL GROUND CONDUCTORS SHALL BE COPPER; NO ALUMINUM CONDUCTORS SHALL BE USED.
- FOR ALCATEL-LUCENT 850 AND 1900 RRH'S, TWO GROUNDS ARE REQUIRED (TOP AND BOTTOM).

GROUNDING KEY NOTES
SCALE: N.T.S.

2
E-3



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AT&T PROJECTS

ELECTRICAL DETAILS



DRAWING NUMBER
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(N) AT&T METER IN
(E) EMPTY METER SOCKET

(H)

(N) TEST GROUND ROD
WITH INSPECTION SLEEVE
(TYP. OF 2)

(H)

(B)

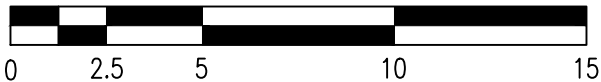
(N) ROD WITH INSPECTION
SLEEVE (TYP.)

COMPOUND GROUNDING PLAN

SCALE: 1"=5' (11x17)
SCALE: 1"=2.5' (24x36)

1
E-4

SCALE IN FEET



- (A) GROUNDING BAR: EXTEND TWO (2) #2 AWG TINNED CU CONDUCTOR FROM BURIED GROUNDING RING UP TO THE HATCHPLATE GROUNDING BAR AND MAKE A MECHANICAL CONNECTION.
- (B) GROUND ROD: COPPER CLAD STEEL 5/8" (10) TEN FEET LONG. ALL GROUNDING RODS MAY BE INSTALLED WITH INSPECTION SLEEVES.
- (C) ICE BRIDGE SUPPORT POST GROUNDING: EXTEND #2 AWG TINNED CU CONDUCTOR FROM BURIED GROUNDING RING TO ALL ICE BRIDGE SUPPORT POSTS AND EXOTHERMICALLY WELD.
- (D) FENCE GROUNDING: IF FENCE IS WITHIN 6' OF GROUNDING RING, EXTEND #2 AWG TINNED CU CONDUCTOR FROM BURIED GROUNDING RING TO FENCE POSTS EXOTHERMICALLY WELDED. FENCING FABRIC SHALL BE GROUNDED AT ADJACENT CORNER POST. (2) REQ'D. GROUND INTERMEDIATE POST TO MAINTAIN 25'-0" MAX SPACING.
- (E) PROPOSED TOWER GROUNDING: EXTEND TWO (2) #2 AWG TINNED CU CONDUCTOR FROM BURIED GROUNDING RING AND CONNECT TO THE PROPOSED TOWER. FOLLOW MANUFACTURERS RECOMMENDATIONS FOR GROUNDING CONNECTIONS TO THE TOWER. (APPLICABLE TO NEW TOWERS ONLY.)
- (F) ANTENNA GROUNDING BAR: EXTEND TWO (2) #2 AWG TINNED CU CONDUCTOR FROM BURIED GROUNDING RING AND CONNECT TO THE PROPOSED ANTENNA GROUNDING BAR. MOUNT GROUNDING BAR DIRECTLY TO TOWER. SECURE TO TOWER WITH STAINLESS STEEL MOUNTING MATERIAL.
- (G) GATE GROUNDING: EXTEND #2 AWG TINNED CU CONDUCTOR FROM BURIED GROUNDING RING TO GATE POSTS AND EXOTHERMICALLY WELD. SEE DETAIL G-6.
- (H) TEST GROUND ROD WITH INSPECTION SLEEVE: COPPER CLAD STEEL 5/8" DIA. TEN (10) FEET LONG WITH INSPECTION SLEEVE.
- (J) MASTER GROUNDING BAR: EXTEND TWO (2) #2 AWG TINNED CU CONDUCTORS FROM BURIED GROUNDING RING UP TO MASTER GROUNDING BAR & MAKE A EXOTHERMIC CONNECTIONS.
- (K) GROUNDING BAR LOCK BOX: TESSCO PART # 351546: INSTALL PER MANUFACTURER REQUIREMENTS.
- (L) TIE INTO EXISTING GROUNDING RING: (2) REQ'D
- (M) ANTENNA GROUNDING BAR: EXTEND TWO (2) #2 AWG TINNED CU CONDUCTOR FROM BURIED GROUNDING RING AND CONNECT TO THE PROPOSED ANTENNA GROUNDING BAR. MOUNT GROUNDING BAR DIRECTLY TO TOWER. SECURE TO TOWER WITH STAINLESS STEEL MOUNTING MATERIAL.
- (N) PROPOSED EQUIPMENT CABINET: SEE MANUFACTURER SPECIFICATIONS FOR ALL INTERIOR EQUIPMENT GROUNDING.

1. GROUNDING IS SHOWN DIAGRAMMATICALLY ONLY. FOR GROUNDING DETAILS SEE DRAWINGS E-4 THROUGH E-6.
2. TESTING SHALL BE PERFORMED AT ALL SITES WHERE MODIFICATIONS OR ADDITIONS ARE MADE TO THE EXISTING GROUNDING SYSTEM AND SHALL BE IN ACCORDANCE WITH AT&T GROUNDING AND BONDING STANDARDS TP-76416. THE CONTRACTOR SHALL SUPPLY AT&T WITH RESULTS FROM PRE-CONSTRUCTION AND POST-CONSTRUCTION OHM TESTING (GROUNDING) RESULTS AND BE IN COMPLIANCE WITH AT&T GROUNDING AND BONDING STANDARDS TP-76416.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A "FALL OF POTENTIAL" TEST ON THE PROPOSED SUPPLEMENTAL GROUNDING FIELD PRIOR TO FINAL CONNECTION OF THE GROUNDING SYSTEM TO EQUIPMENT. THE TEST SHALL BE PERFORMED BY A QUALIFIED AND CERTIFIED TESTING AGENT. PROVIDE INDEPENDENT TEST RESULTS TO THE PROJECT MANAGER FOR REVIEW. THE GROUNDING SYSTEM RESISTANCE TO EARTH GROUNDING SHALL NOT EXCEED (5) OHMS. IF THE GROUNDING TEST EXCEEDS THE MAXIMUM OF (5) OHMS, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADDITIONAL GROUNDING RODS AND CONNECTIONS AS REQUIRED TO MEET THE (5) OHMS' MAXIMUM.
4. THE INSPECTOR HAVING JURISDICTION SHALL INSPECT ALL GROUNDING CONNECTIONS FOR TIGHTNESS. EXOTHERMIC WELDED CONNECTIONS SHALL BE APPROVED BEFORE BEING PERMANENTLY CONCEALED.
5. FOR ALL CONNECTIONS TO THE GROUNDING RING, SEE THE SHELTER MANUFACTURER'S DRAWINGS.
6. WHEN AN EXISTING METER RACK IS BEING UTILIZED AND A NEW METER IS INSTALLED IN THE EXISTING METER RACK, THE GROUNDING RODS, AND GROUNDING CONDUCTORS OF THE EXISTING GROUNDING RING, SHALL BE EXTENDED TO THE PROPOSED GROUNDING RING AND BECOME A COMPLETE GROUNDING SYSTEM.
7. CONTRACTOR SHALL GROUND ALL EQUIPMENT INCLUDING ANTENNAS, RET MOTORS, TMA'S, COAX CABLES AND RET CONTROL CABLES AS A COMPLETE SYSTEM. GROUNDING SHALL BE EXECUTED BY QUALIFIED WIREMEN IN COMPLIANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
8. FOR GROUNDING INSTALLATIONS WHICH HAVE A LIMITED AREA AND IS BEING REQUIRED TO BE INSTALLED WITHIN THE LEASE AREA ONLY, THE GROUNDING RING CONDUCTORS CAN BE INSTALLED UNDER THE SHELTER'S FOOTINGS.
8. MAIN GROUNDING CONDUCTORS SHALL BE ROUTED AND BONDED TO ALL EFFECTIVE GROUNDING PATHS IN ACCORDANCE WITH AT&T GROUNDING AND BONDING SPECIFICATION 6.8.2 STATED IN TP-76416. THE NEW GROUNDING SYSTEM SHALL BE BONDED (2 PLACES) TO ALL EXISTING GROUNDING SYSTEMS, INCLUDING BUT NOT LIMITED TO BUILDING STEEL STRUCTURE, LIGHTNING PROTECTION SYSTEMS, BUILDING MAIN GROUNDING SYSTEM AND/OR MAIN WATER SUPPLY IF APPLICABLE.
9. BUILDINGS AND/OR NEW TOWERS GREATER THAN 75 FEET IN HEIGHT AND THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE. THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 AWG COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY). SEE AT&T GROUNDING AND BONDING STANDARDS TP-76416 SPECIFICATION 6.3.2.2.

NOTES
SCALE: N.T.S.

2
E-4

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AT&T PROJECTS

COMPOUND GROUNDING PLAN



DRAWING NUMBER
E-4

REV
6



BC
architects
engineers

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CNE_SEWARD NE
14412492

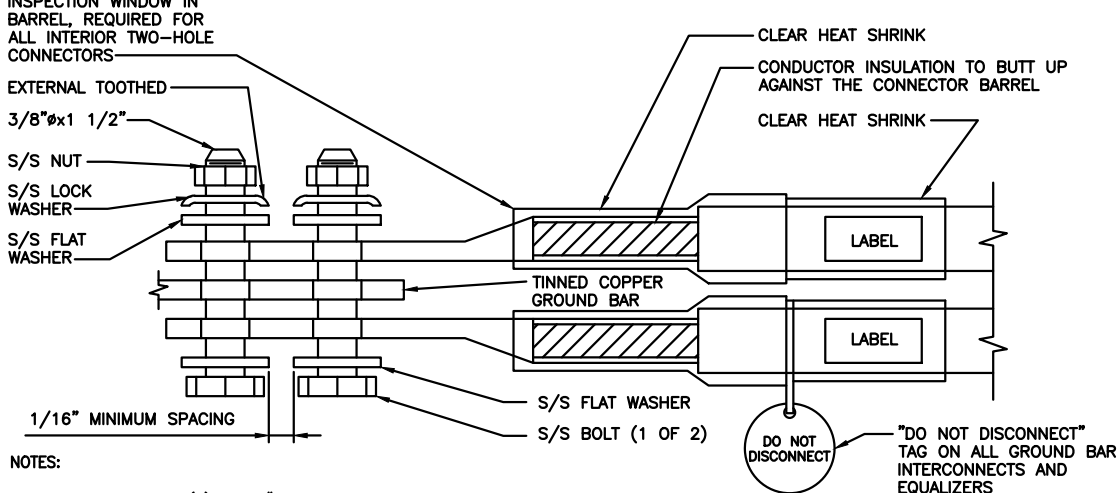
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SEWARD, NE 68434



AT&T

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BLOOMINGTON, MN 55431

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SCALE:	AS SHOWN	DESIGNED	GMW	DRAWN	GMW

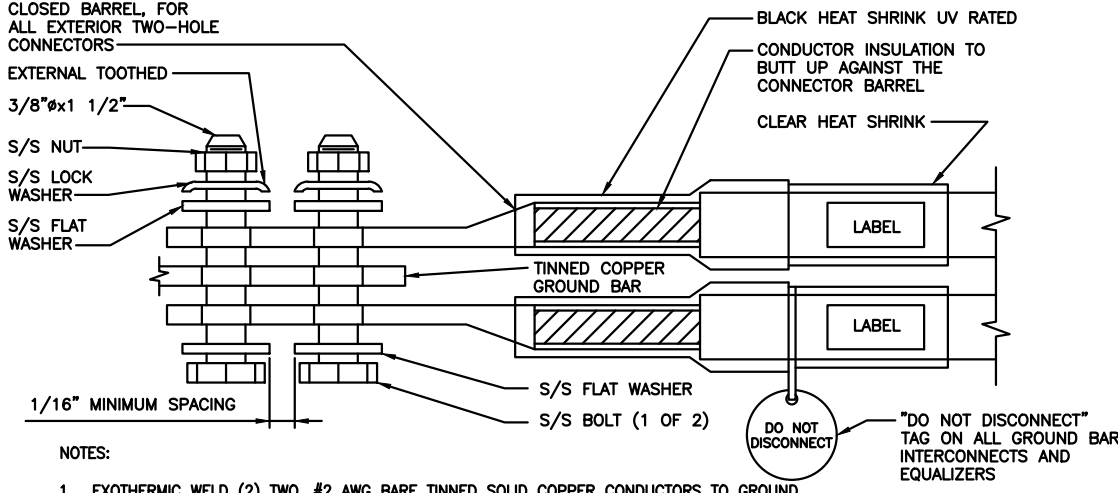


NOTES:

- EXOTHERMIC WELD (2) TWO, #2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUND BAR. ROUTE CONDUCTORS TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- ALL GROUND BARS SHALL BE STAMPED IN TO THE METAL "IF STOLEN DO NOT RECYCLE." THE CONTRACTOR SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "I") WITH 1" HIGH LETTERS.
- ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND CONDUCTOR DOWN TO GROUND BUS.
- NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE. INSTALL BLACK HEAT-SHRINKING TUBE, 600 VOLT INSULATION, ON ALL GROUND TERMINATIONS. THE INTENT IS TO WEATHERPROOF THE COMPRESSION CONNECTION.
- SUPPLIED AND INSTALLED BY CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BAR AS REQUIRED, PROVIDING 50% SPARE CONNECTION POINTS.
- ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).
- BOLTS SHALL BE MADE "SNUG-TIGHT" PLUS 1/4 TURN.

INTERIOR TWO HOLE LUG DETAIL
SCALE: N.T.S.

1
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NOTES:

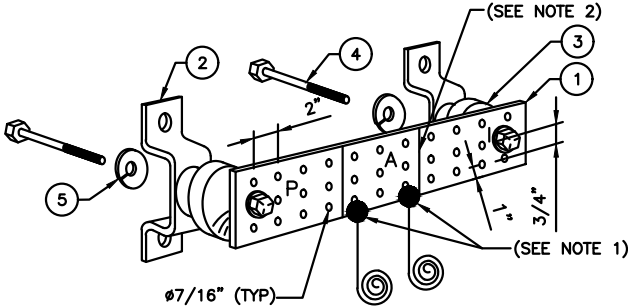
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- SUPPLIED AND INSTALLED BY CONTRACTOR.
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- BOLTS SHALL BE MADE "SNUG-TIGHT" PLUS 1/4 TURN.

EXTERIOR TWO HOLE LUG DETAIL
SCALE: N.T.S.

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E-5

NEWTON INSTRUMENT COMPANY, INC. BUTNER, N.C.			
NO	REQUIRED	PART NUMBER	DESCRIPTION
1	1	HAGAR TGBI-14420C OR A.L.T 382227	GALVANIZED STEEL GROUND BAR * (1/4" x 4" x 20)
2	2	A-6056	WALL MOUNTING BRACKET
3	2	3061-4	INSULATORS
4	2	3012-1	5/8"-11x1" H.H.C.S. BOLTS
5	4	3015-8	5/8" LOCKWASHER

* HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.



EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION

SECTION "P" - SURGE PROTECTORS:

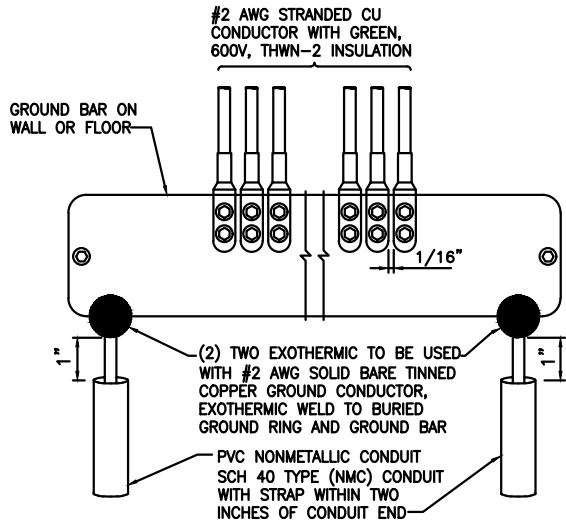
- (EC) CELL REFERENCE GROUND BAR (IF COLLOCATED)
 - (EC) GENERATOR FRAMEWORK (IF AVAILABLE) (#2 AWG)
 - (EC) TELCO GROUND BAR (#2 AWG)
 - (EC) COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (3/0)
 - (EC) FIBER GROUND BAR (#2 AWG)
 - (EC) POWER ROOM REFERENCE GROUND BAR (#2 AWG)
 - (AT&T) RECTIFIER FRAMES
- SECTION "A" - SURGE ABSORBERS:
- (EC) INTERIOR GROUND RING (#2 AWG)
 - (EC) EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2 AWG)
 - (EC) METALLIC COLD WATER PIPE (IF AVAILABLE) (1/0 AWG)
 - (EC) BUILDING STEEL (IF AVAILABLE) (1/0 AWG)
- SECTION "I" - ISOLATED GROUND ZONE:
- (AT&T) ALL ISOLATED GROUND REFERENCE
 - (AT&T) GROUND WINDOW BAR

DETAIL NOTES:

- EXOTHERMICALLY WELD #2 AWG BARE TINNED SOLID COPPER CONDUCTOR TO GROUND BAR. ROUTE CONDUCTOR TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- THE INSTALLER SHALL USE PERMANENT MARKER TO DRAW THE LIKE BETWEEN SECTION AND LABEL EACH SECTION ("P", "A", "I" WITH 1" HIGH LETTERS

INTERIOR TWO HOLE LUG DETAIL
SCALE: N.T.S.

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E-5



GROUNDING BAR DETAIL
SCALE: N.T.S.

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AT&T PROJECTS

GROUNDING DETAILS

BC
architects
engineers

DRAWING NUMBER

E-5

REV

6



BC
architects
engineers

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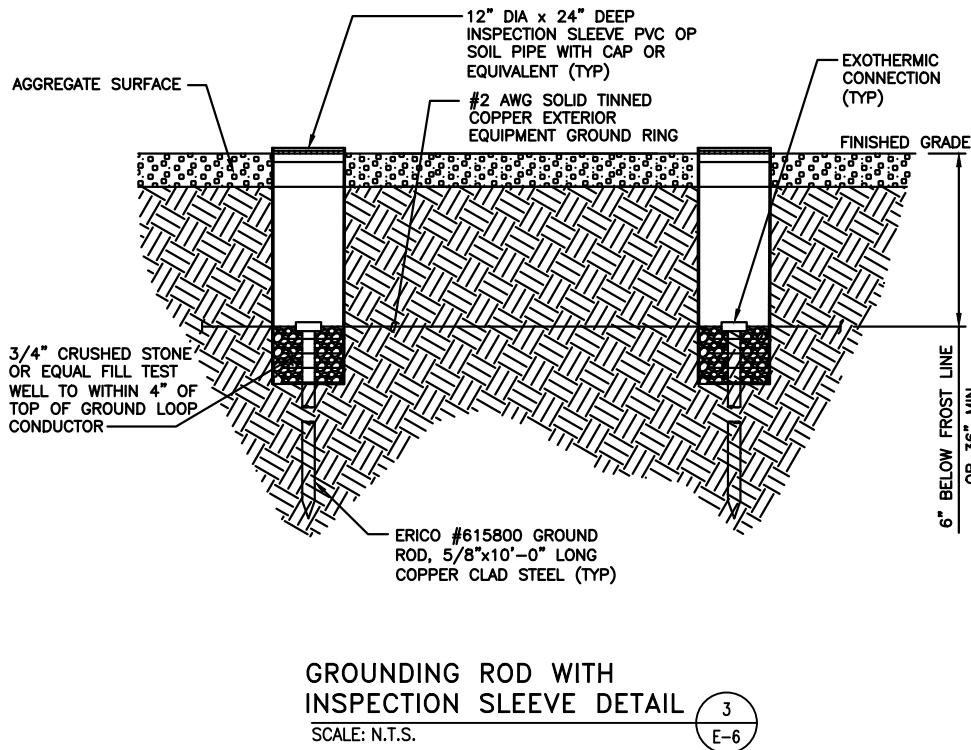
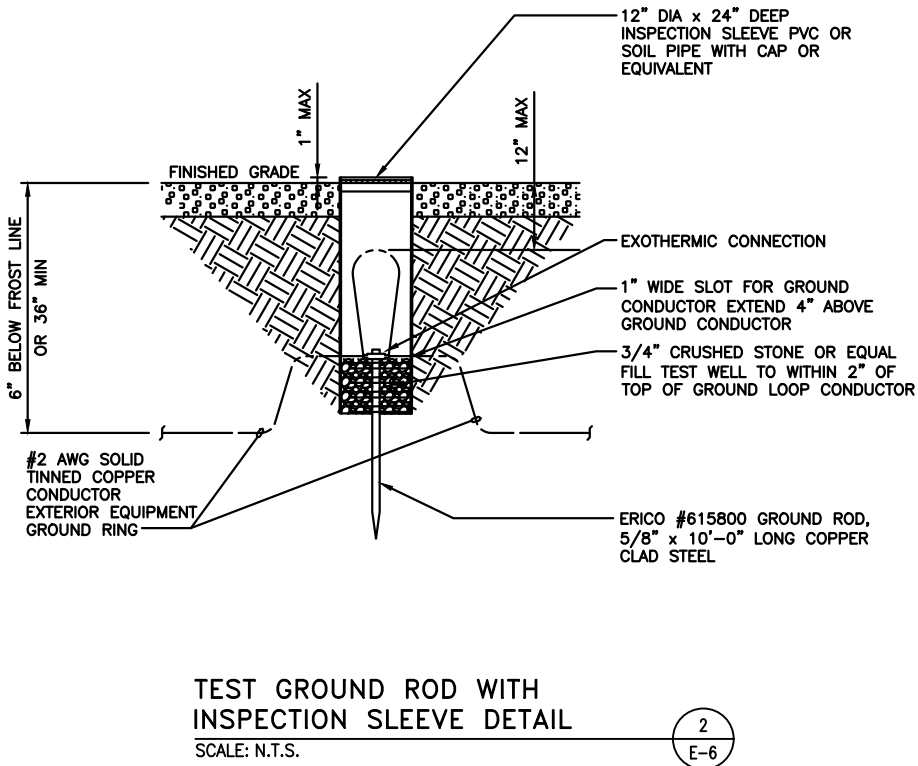
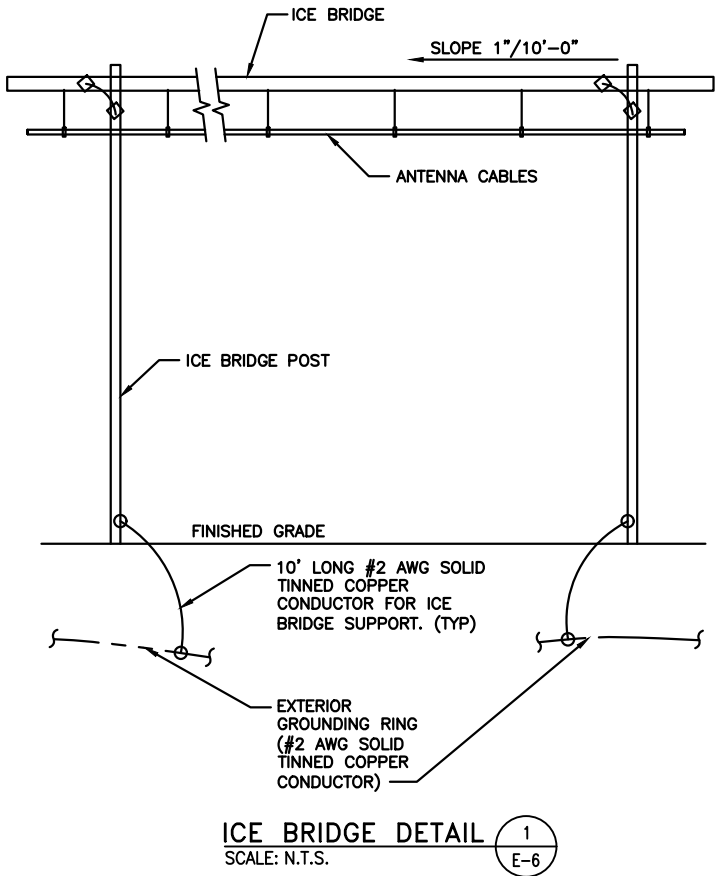
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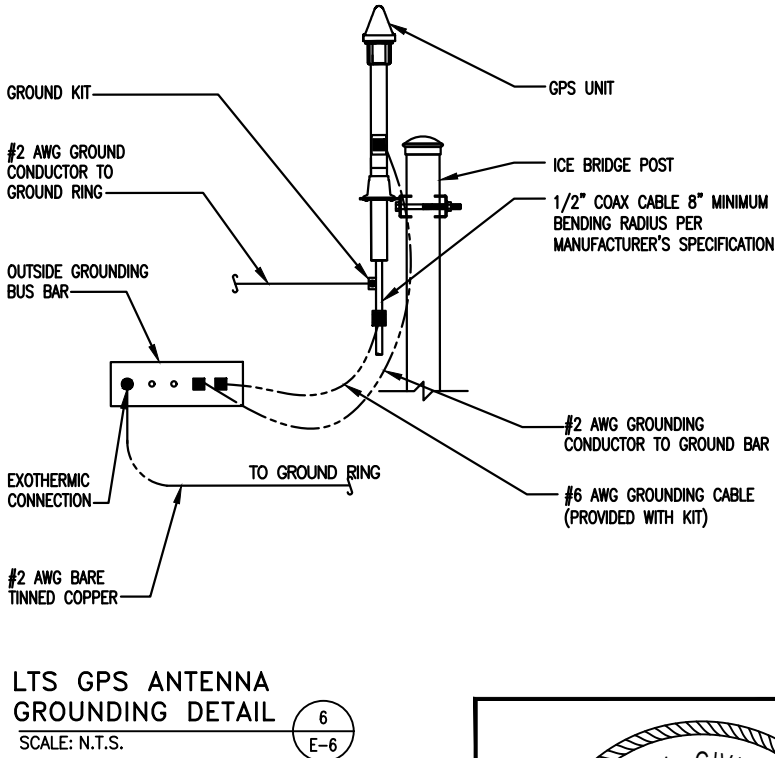
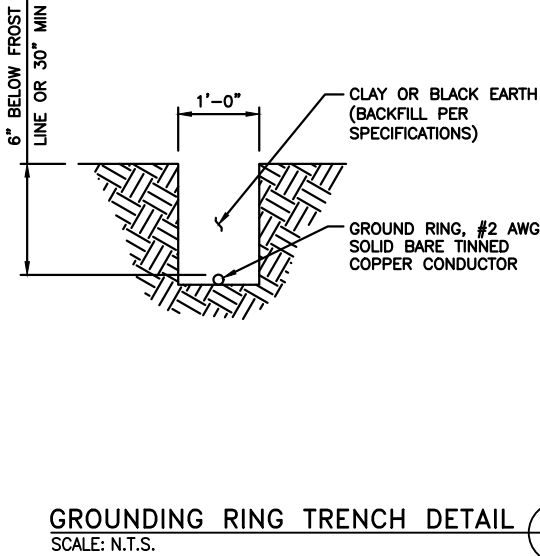
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BLOOMINGTON, MN 55431



1. NUMBER OF GROUND BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BAR AS REQUIRED, PROVIDING 50% SPARE CONNECTION POINTS.
2. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND CONDUCTOR DOWN TO GROUND BAR.
3. GROUND KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
4. WEATHER PROOFING SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
5. PROVIDE GROUND KIT 6" BEFORE TURN TRANSITION FROM TOWER TO ICE BRIDGE.
6. WHEN THE SCOPE OF WORK REQUIRES THE ADDITION OF A GROUND BAR TO AN EXISTING TOWER, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE TOWER OWNER PRIOR TO MOUNTING THE GROUND BARS TO THE TOWER.
7. EXTEND TWO (2) #2 AWG TINNED CU CONDUCTOR FROM BURIED GROUND RING AND CONNECT TO THE PROPOSED TOWER. FOLLOW MANUFACTURERS RECOMMENDATIONS FOR GROUND CONNECTIONS TO THE TOWER. (APPLICABLE TO NEW TOWERS ONLY.)

NOTES
SCALE: N.T.S.

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SCALE: AS SHOWN		DESIGNED GMW	DRAWN GMW		

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AT&T PROJECTS

GROUNDING DETAILS

DRAWING NUMBER

E-6

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CNE_SEWARD NE
14412492



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E-7

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POWER CALCULATION SHEET

PROFESSIONAL CIVIL ENGINEER

CHRISTOPHER D.
MORIN
E-14389
6.4.26

STATE OF NEBRASKA

EXISTING BATTERY STRING COUNT: 0
PROPOSED ENERSYS 190F BATTERY STRING COUNT: 8
FINAL ENERSYS 190F BATTERY STRING COUNT: 8

PART 1 – GENERAL

- 1.1 GENERAL CONDITIONS:

A. CONTRACTOR SHALL INSPECT THE EXISTING SITE CONDITIONS PRIOR TO SUBMITTING BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE CONTRACTORS FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED

B. THE CONTRACTOR SHALL OBTAIN PERMITS, LICENSES, MAKE ALL DEPOSITS, AND PAY ALL FEES REQUIRED FOR THE CONSTRUCTION PERFORMANCE FOR THE WORK UNDER THIS SECTION.

C. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL SYSTEMS AND COMPONENTS COVERED UNDER THIS SECTION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. DRAWING SHALL NOT BE SCALED TO DETERMINE DIMENSIONS.
- 1.2 LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES

A. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES CONDUIT BENDS SHALL B'E THE RADIUS BEND FOR THE TRADE SIZE OF CONDUIT IN COMPLIANCE WITH THE LATEST EDITIONS OF NEC.
- 1.3 REFERENCES:

A. THE PUBLICATIONS LISTED BELOW ARE PART OF THIS SPECIFICATION. EACH PUBLICATION SHALL BE THE LATEST REVISION AND ADDENDUM IN EFFECT ON THE DATE THIS SPECIFICATION IS ISSUED FOR CONSTRUCTION UNLESS OTHERWISE NOTED. EXCEPT AS MODIFIED BY THE REQUIREMENT SPECIFIED HEREIN OR THE DETAILS OF THE DRAWINGS, WORK INCLUDED IN THIS SPECIFICATION SHALL CONFORM TO THE APPLICABLE PROVISION OF THESE PUBLICATIONS

1. ANSI/IEEE (AMERICAN NATIONAL STANDARDS INSTITUTE)

2. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS)

3. ICEA (INSULATED CABLE ENGINEERS ASSOCIATION)

4. NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION)

5. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)

6. OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION)

7. UL (UNDERWRITERS LABORATORIES INC)

8. AT&T GROUNDING AND BONDING STANDARDS TP-76416
- 1.4 SCOPE OF WORK

A. WORK UNDER THIS SECTION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIAL, AND ASSOCIATED SERVICES REQUIRED TO COMPLETE REQUIRED CONSTRUCTION AND BE OPERATIONAL.

B. ALL ELECTRICAL EQUIPMENT UNDER THIS CONTRACT SHALL BE PROPERLY TESTED, ADJUSTED, AND ALIGNED BY THE CONTRACTOR.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATING, DRAINING, TRENCHES, BACKFILLING, AND REMOVAL OF EXCESS DIRT.

D. THE CONTRACTOR SHALL FURNISH TO THE OWNER WITH CERTIFICATES OF A FINAL INSPECTION AND APPROVAL FROM THE INSPECTION AUTHORITIES HAVING JURISDICTION

E. THE CONTRACTOR SHALL PREPARE A COMPLETE SET OF AS-BUILT DRAWINGS. DOCUMENT ALL WIRING EQUIPMENT CONDITIONS, AND CHANGES WHILE COMPLETING THIS CONTRACT. THE AS-BUILT DRAWINGS SHALL BE SUBMITTED AT COMPLETION OF THE PROJECT.

PART 2 – PRODUCTS

- 2.1 GENERAL:

A. ALL MATERIALS AND EQUIPMENT SHALL BE UL LISTED, NEW, AND FREE FROM DEFECTS

B. ALL ITEMS OF MATERIALS AND EQUIPMENT SHALL BE ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION AS SUITABLE FOR THE USE INTENDED.

C. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE

D. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 10,000 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 PER THE GOVERNING JURISDICTION
- 2.2 MATERIALS AND EQUIPMENT:

A. CONDUIT:

1. RIGID METAL CONDUIT (RMC) SHALL BE HOT-DIPPED GALVANIZED INSIDE AND OUTSIDE INCLUDING ENDS AND THREADS AND ENAMELED OR LACQUERED INSIDE IN ADDITION TO GALVANIZING

2. LIQUIDTIGHT FLEXIBLE METAL CONDUIT SHALL BE UL LISTED.

3. CONDUIT CLAMPS, STRAPS AND SUPPORTS SHALL BE STEEL OR MALLEABLE IRON ALL FITTINGS SHALL BE COMPRESSION AND CONCRETE TIGHT TYPE. GROUNDING BUSHINGS WITH INSULATED THROATS SHALL BE INSTALLED ON ALL CONDUIT TERMINATIONS

4. NONMETALLIC CONDUIT AND FITTINGS SHALL BE SCHEDULE 40 PVC. INSTALL USING SOLVENT-CEMENT-TYPE JOINTS AS RECOMMENDED BY THE MANUFACTURER

B. CONDUCTORS AND CABLE:

1. CONDUCTORS AND CABLE SHALL BE FLAME-RETARDANT, MOISTURE AND HEAT RESISTANT THERMOPLASTIC. SINGLE CONDUCTOR, COPPER, TYPE THHN/THWN-2, 600 VOLT, SIZE AS INDICATED, #12 AWG SHALL BE THE MINIMUM SIZE CONDUCTOR USED.

2. #10 AWG AND SMALLER CONDUCTOR SHALL BE SOLID OR STRANDED AND #8 AWG AND LARGER CONDUCTORS SHALL BE STRANDED.

3. SOLDERLESS, COMPRESSION-TYPE CONNECTORS SHALL BE USED FOR TERMINATION OF ALL STRANDED CONDUCTORS.

4. STRAIN-RELIEF SUPPORTS GRIPS SHALL BE HUBBELL KELLEMS OR APPROVED EQUAL. CABLES SHALL BE SUPPORTED IN ACCORDANCE WITH THE NEC AND CABLE MANUFACTURER'S RECOMMENDATIONS.

5. ALL CONDUCTORS SHALL BE TAGGED AT BOTH ENDS OF THE CONDUCTOR, AT ALL PULL BOXES, J-BOXES, EQUIPMENT AND CABINETS AND SHALL BE IDENTIFIED WITH APPROVED PLASTIC TAGS (ACTION CRAFT, BRADY, OR APPROVED EQUAL).

C. DISCONNECT SWITCHES:

1. DISCONNECT SWITCHES SHALL BE HEAVY DUTY, DEAD-FRONT, QUICK-MAKE, QUICK-BREAK, EXTERNALLY OPERABLE, HANDLE LOCKABLE AND INTERLOCK WITH COVER IN CLOSED POSITION, RATING AS INDICATED, UL LABELED FURNISHED IN NEMA 3R ENCLOSURE, SQUARE-D OR ENGINEER APPROVED EQUAL.

D. CHEMICAL ELECTROLYTIC GROUNDING SYSTEM:

1. INSTALL CHEMICAL GROUNDING AS REQUIRED. THE SYSTEM SHALL BE ELECTROLYTIC MAINTENANCE FREE ELECTRODE CONSISTING OF RODS WITH A MINIMUM #2 AWG CU EXOTHERMICALLY WELDED PIGTAIL, PROTECTIVE BOXES, AND BACKFILL MATERIAL. MANUFACTURER SHALL BE LYNCOLE XIT GROUNDING ROD TYPES K2-(*)CS OR K2L-(*)CS (*) LENGTH AS REQUIRED.

2. GROUND ACCESS BOX SHALL BE A POLYPLASTIC BOX FOR NON-TRAFFIC APPLICATIONS, INCLUDING BOLT DOWN FLUSH COVER WITH "BREATHER" HOLES. XIT MODEL #GB-22. ALL DISCONNECT SWITCHES AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED LAMICOID NAMEPLATES INDICATING EQUIPMENT CONTROLLED, BRANCH CIRCUITS ID NUMBERING, AND THE ELECTRICAL POWER SOURCE.

3. BACKFILL MATERIAL SHALL BE LYNCONITE AND LYNCOLE GROUNDING GRAVEL.
- E. SYSTEM GROUNDING:

1. ALL GROUNDING COMPONENTS SHALL BE TINNED AND GROUNDING CONDUCTOR SHALL BE #2 AWG BARE, SOLID, TINNED, COPPER. ABOVE GRADE GROUNDING CONDUCTORS SHALL BE INSULATED WHERE NOTED.

2. GROUNDING BUSSES SHALL BE BARE, TINNED, ANNEALED COPPER BARS OF RECTANGULAR CROSS SECTION. STANDARD BUS BARS MGB, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. THEY SHALL NOT BE FABRICATED OR MODIFIED IN THE FIELD. ALL GROUNDING BUSES SHALL BE IDENTIFIED WITH MINIMUM 3/4" LETTERS BY WAY OF STENCILING OR DESIGNATION PLATE.

3. CONNECTORS SHALL BE HIGH-CONDUCTIVITY, HEAVY DUTY, LISTED AND LABELED AS GROUNDING CONNECTORS FOR THE MATERIALS USED. USE TWO-HOLE COMPRESSION LUGS WITH HEAT SHRINK FOR MECHANICAL CONNECTIONS, INTERIOR CONNECTIONS USE TWO-HOLE COMPRESSION LUGS WITH INSPECTION WINDOW AND CLEAR HEAT SHRINK. EXOTHERMIC WELDED CONNECTIONS SHALL BE PROVIDED IN KIT FORM AND SELECTED FOR THE SPECIFIC TYPES, SIZES, AND COMBINATIONS OF CONDUCTORS AND OTHER ITEMS TO BE CONNECTED.

5. GROUND RODS SHALL BE COPPER-CLAD STEEL WITH HIGH-STRENGTH STEEL CORE AND ELECTROLYTIC-GRADE COPPER OUTER SHEATH, MOLTEN WELDED TO CORE, 5/8"x10"-0". ALL GROUNDING RODS SHALL BE INSTALLED WITH INSPECTION SLEEVES.

6. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS IN COMPLIANCE WITH THE AT&T SPECIFICATIONS AND NEC. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULLBOXES, DISCONNECT SWITCHES, STARTERS, AND EQUIPMENT CABINETS.

F. OTHER MATERIALS:

1. THE CONTRACTOR SHALL PROVIDE OTHER MATERIALS, THOUGH NOT SPECIFICALLY DESCRIBED, WHICH ARE REQUIRED FOR A COMPLETELY OPERATIONAL SYSTEM AND PROPER INSTALLATION OF THE WORK.

2. PROVIDE PULL BOXES AND JUNCTION BOXES WHERE SHOWN OR REQUIRED BY NEC.

G. PANELS AND LOAD CENTERS:

1. ALL PANEL DIRECTORIES SHALL BE TYPEWRITTEN.
- PART 3 – EXECUTION
- 3.1 GENERAL:

A. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

B. EQUIPMENT SHALL BE TIGHTLY COVERED AND PROTECTED AGAINST DIRT OR WATER, AND AGAINST CHEMICAL OR MECHANICAL INJURY DURING INSTALLATION AND CONSTRUCTION PERIODS.

3.2 LABOR AND WORKMANSHIP:

A. ALL LABOR FOR THE INSTALLATION OF MATERIALS AND EQUIPMENT FURNISHED FOR THE ELECTRICAL SYSTEM SHALL BE INSTALLED BY EXPERIENCED WIREMAN, IN A NEAT AND WORKMAN-LIKE MANNER.

B. ALL ELECTRICAL EQUIPMENT SHALL BE ADJUSTED, ALIGNED AND TESTED BY THE CONTRACTOR AS REQUIRED TO PRODUCE THE INTENDED PERFORMANCE.

C. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL EXPOSED EQUIPMENT, REMOVE ALL LABELS AND ANY DEBRIS, CRATING OR CARTONS AND LEAVE THE INSTALLATION FINISHED AND READY FOR OPERATION.

3.3 COORDINATION:

A. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ELECTRICAL ITEMS WITH THE OWNER-FURNISHED EQUIPMENT DELIVERY SCHEDULE TO PREVENT UNNECESSARY DELAYS IN THE TOTAL WORK.

3.4 INSTALLATION:

A. CONDUIT:

1. ALL ELECTRICAL WIRING SHALL BE INSTALLED IN CONDUIT AS SPECIFIED. NO CONDUIT OR TUBING OF LESS THAN 3/4 INCH TRADE SIZE.

2. PROVIDE RIGID PVC SCHEDULE 80 CONDUITS FOR ALL RISERS, RMC OTHERWISE NOTED. EMT MAY BE INSTALLED FOR EXTERIOR CONDUITS WHERE NOT SUBJECT TO PHYSICAL DAMAGE.

3. INSTALL SCHEDULE 40 PVC CONDUIT WITH A MINIMUM COVER OF 24" UNDER ROADWAYS, PARKING LOTS, STREETS, AND ALLEYS. CONDUIT SHALL HAVE A MINIMUM COVER OF 18" IN ALL OTHER NON-TRAFFIC APPLICATIONS (REFER TO 2008 NEC, TABLE 300.5).

4. USE GALVANIZED FLEXIBLE STEEL CONDUIT WHERE DIRECT CONNECTION TO EQUIPMENT WITH MOVEMENT, VIBRATION, OR FOR EASE OF MAINTENANCE. USE LIQUID TIGHT, FLEXIBLE METAL CONDUIT FOR OUTDOOR APPLICATIONS. INSTALL GALVANIZED FLEXIBLE STEEL CONDUIT AT ALL POINTS OF CONNECTION TO EQUIPMENT MOUNTED ON SUPPORT TO ALLOW FOR EXPANSION AND CONTRACTION.

5. A RUN OF CONDUIT BETWEEN BOXES OR EQUIPMENT SHALL NOT CONTAIN MORE THAN THE EQUIVALENT OF THREE QUARTER-BENDS. CONDUIT BEND SHALL BE MADE WITH THE UL LISTED BENDER OR FACTORY 90 DEGREE ELBOWS MAY BE USED.

6. FIELD FABRICATED CONDUITS SHALL BE CUT SQUARE WITH A CONDUIT CUTTING TOOL AND REAMED TO PROVIDE A SMOOTH INSIDE SURFACE.

7. PROVIDE INSULATED GROUNDING BUSHING FOR ALL CONDUITS.

8. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL CONDUITS DURING CONSTRUCTION. TEMPORARY OPENINGS IN THE CONDUIT SYSTEM SHALL BE PLUGGED OR CAPPED TO PREVENT ENTRANCE OF MOISTURE OR FOREIGN MATTER. CONTRACTOR SHALL REPLACE ANY CONDUITS CONTAINING FOREIGN MATERIALS THAT CANNOT BE REMOVED.

9. ALL CONDUITS SHALL BE SWABBED CLEAN BY PULLING AN APPROPRIATE SIZE MANDREL THROUGH THE CONDUIT BEFORE INSTALLATION OF CONDUCTORS OR CABLES. CONDUIT SHALL BE FREE OF DIRT AND DEBRIS.

10. INSTALL PULL STRINGS IN ALL CLEAN EMPTY CONDUITS. IDENTIFY PULL STRINGS AT EACH END.

11. INSTALL 2" HIGHLY VISIBLE AND DETECTABLE TAPE 12" ABOVE ALL UNDERGROUND CONDUITS AND CONDUCTORS.

12. CONDUITS SHALL BE INSTALLED IN SUCH A MANNER AS TO INSURE AGAINST COLLECTION OF TRAPPED CONDENSATION.

13. PROVIDE CORE DRILLING AS NECESSARY FOR PENETRATIONS TO ALLOW FOR RACEWAYS AND CABLES TO BE ROUTED THROUGH THE BUILDING. DO NOT PENETRATE STRUCTURAL MEMBERS. SLEEVES AND/OR PENETRATIONS IN FIRE RATED CONSTRUCTION SHALL BE EFFECTIVELY SEALED WITH FIRE RATED MATERIAL WHICH SHALL MAINTAIN THE FIRE RATING OF THE WALL OR STRUCTURE. FIRE STOPS AT FLOOR PENETRATIONS SHALL PREVENT PASSAGE OF WATER, SMOKE, FIRE, AND FUMES. ALL MATERIAL SHALL BE UL APPROVED FOR THIS PURPOSE.

B. CONDUCTORS AND CABLE:

1. ALL POWER WIRING SHALL BE COLOR CODED AS FOLLOWS:

DESCRIPTION

208/240/120 VOLT SYSTEMS

PHASE A

BLACK

PHASE B

RED

PHASE C

BLUE

NEUTRAL

WHITE

GROUNDING

GREEN

2. SPLICES SHALL BE MADE ONLY AT OUTLETS, JUNCTION BOXES, OR ACCESSIBLE RACEWAY CONDUITS APPROVED FOR THIS PURPOSE.

3. PULLING LUBRICANTS SHALL BE UL APPROVED. CONTRACTOR SHALL USE NYLON OR HEMP ROPE FOR PULLING CONDUCTOR OR CABLES INTO THE CONDUIT.

4. CABLES SHALL BE NEATLY TRAINED, WITHOUT INTERLACING, AND BE OF SUFFICIENT LENGTH IN ALL BOXES & EQUIPMENT TO PERMIT MAKING A NEAT ARRANGEMENT. CABLES SHALL BE SECURED IN A MANNER TO AVOID TENSION ON CONDUCTORS OR TERMINALS. CONDUCTORS SHALL BE PROTECTED FROM MECHANICAL INJURY AND MOISTURE. SHARP BENDS OVER CONDUIT BUSHINGS IS PROHIBITED. DAMAGED CABLES SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

C. DISCONNECT SWITCHES:

1. INSTALL DISCONNECT SWITCHES LEVEL AND PLUMB. CONNECT TO WIRING SYSTEM AND GROUNDING SYSTEM AS INDICATED.

D. GROUNDING:

1. ALL METALLIC PARTS OF ELECTRICAL EQUIPMENT WHICH DO NOT CARRY CURRENT SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING MANUFACTURER, AT&T GROUNDING AND BONDING STANDARDS TP-76416, ND-00135, AND THE NATIONAL ELECTRICAL CODE.

2. PROVIDE ELECTRICAL GROUNDING AND BONDING SYSTEM INDICATED WITH ASSEMBLY OF MATERIALS, INCLUDING GROUNDING ELECTRODES, BONDING JUMPERS AND ADDITIONAL ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION.

3. ALL GROUNDING CONDUCTORS SHALL PROVIDE A STRAIGHT DOWNWARD PATH TO GROUND WITH GRADUAL BEND AS REQUIRED. GROUNDING CONDUCTORS SHALL NOT BE LOOPED OR SHARPLY BENT. ROUTE GROUNDING CONNECTIONS AND CONDUCTORS TO GROUND IN THE SHORTEST AND STRAIGHTEST PATHS POSSIBLE TO MINIMIZE TRANSIENT VOLTAGE RISES.

4. BUILDINGS AND/OR NEW TOWERS GREATER THAN 75 FEET IN HEIGHT AND 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 AWG COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM. THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY), SEE STANDARD 6.3.2.2.

5. TIGHTEN GROUNDING AND BONDING CONNECTORS, INCLUDING SCREWS AND BOLTS, IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES FOR CONNECTORS AND BOLTS. WHERE MANUFACTURER'S TORQUING REQUIREMENTS ARE NOT AVAILABLE, TIGHTEN CONNECTIONS TO COMPLY WITH TIGHTENING TORQUE VALUES SPECIFIED IN UL TO ASSURE PERMANENT AND EFFECTIVE GROUNDING.

6. CONTRACTOR SHALL VERIFY THE LOCATIONS OF GROUNDING TIE-IN-POINTS TO THE EXISTING GROUNDING SYSTEM. ALL UNDERGROUND GROUNDING CONNECTIONS SHALL BE MADE BY THE EXOTHERMIC WELD PROCESS AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

7. ALL GROUNDING CONNECTIONS SHALL BE INSPECTED FOR TIGHTNESS. EXOTHERMIC WELDED CONNECTIONS SHALL BE APPROVED BY THE INSPECTOR HAVING JURISDICTION BEFORE BEING PERMANENTLY CONCEALED.

8. APPLY CORROSION-RESISTANT FINISH TO FIELD CONNECTIONS AND PLACES WHERE FACTORY APPLIED PROTECTIVE COATINGS HAVE BEEN DESTROYED. USE KOPR-SHIELD ANTI-OXIDATION COMPOUND ON ALL COMPRESSION GROUNDING CONNECTIONS.

9. A SEPARATE, CONTINUOUS, INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUITS.

10. BOND ALL INSULATED GROUNDING BUSHINGS WITH A BARE #6 AWG GROUNDING CONDUCTOR TO A GROUND BUS.

11. DIRECT BURIED GROUNDING CONDUCTORS SHALL BE INSTALLED AT A NOMINAL DEPTH OF 36" MINIMUM BELOW GRADE, OR 6" BELOW THE FROST LINE, USE THE GREATER OF THE TWO DISTANCES.

12. ALL GROUNDING CONDUCTORS EMBEDDED IN OR PENETRATING CONCRETE SHALL BE INSTALLED IN SCHEDULE 40 PVC CONDUIT.

13. THE INSTALLATION OF CHEMICAL ELECTROLYTIC GROUNDING SYSTEM IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REMOVE SEALING TAPE FROM LEACHING AND BREATHER HOLES. INSTALL PROTECTIVE BOX FLUSH WITH GRADE.

14. DRIVE GROUND RODS UNTIL TOPS ARE A MINIMUM DISTANCE OF 36" DEPTH OR 6" BELOW FROST LINE, USING THE GREATER OF THE TWO DISTANCES.

15. IF COAX ON THE ICE BRIDGE IS MORE THAN 6 FT. FROM THE GROUNDING BAR AT THE BASE OF THE TOWER, A SECOND GROUNDING BAR WILL BE NEEDED AT THE END OF THE ICE BRIDGE, TO GROUND THE COAX CABLE GROUNDING KITS AND IN-LINE ARRESTORS.

16. CONTRACTOR SHALL REPAIR, AND/OR REPLACE, EXISTING GROUNDING SYSTEM COMPONENTS DAMAGED DURING CONSTRUCTION AT THE CONTRACTORS EXPENSE.

3.5 ACCEPTANCE TESTING:

A. CERTIFIED PERSONNEL USING CERTIFIED EQUIPMENT SHALL PERFORM REQUIRED TESTS AND SUBMIT WRITTEN TEST REPORTS UPON COMPLETION.

B. WHEN MATERIAL AND/OR WORKMANSHIP IS FOUND NOT TO COMPLY WITH THE SPECIFIED REQUIREMENTS, THE NON-COMPLYING ITEMS SHALL BE REMOVED FROM THE PROJECT SITE AND REPLACED WITH ITEMS COMPLYING WITH THE SPECIFIED REQUIREMENTS PROMPTLY AFTER RECEIPT OF NOTICE FOR NON-COMPLIANCE.

C. TEST PROCEDURES:

1. ALL FEEDERS SHALL HAVE INSULATION TESTED AFTER INSTALLATION, BEFORE CONNECTION TO DEVICES. THE CONDUCTORS SHALL TEST FREE FROM SHORT CIRCUITS AND GROUNDS. TESTING SHALL BE FOR ONE MINUTE USING 1000V DC. PROVIDE WRITTEN DOCUMENTATION FOR ALL TEST RESULTS.

2. PRIOR TO ENERGIZING CIRCUITRY, TEST WIRING DEVICES FOR ELECTRICAL CONTINUITY AND PROPER POLARITY CONNECTIONS.

3. MEASURE AND RECORD VOLTAGES BETWEEN PHASES AND BETWEEN PHASE CONDUCTORS AND NEUTRALS. SUBMIT A REPORT OF MAXIMUM AND MINIMUM VOLTAGES.

4. PERFORM GROUNDING TEST TO MEASURE GROUNDING RESISTANCE OF GROUNDING SYSTEM USING THE IEEE STANDARD 3-POINT "FALL-OFF-POTENTIAL" METHOD. PROVIDE PLOTTED TEST VALUES AND LOCATION SKETCH. NOTIFY THE ENGINEER IMMEDIATELY IF MEASURED VALUE IS OVER 5 OHMS.

ELECTRICAL SECTION NOTES

SCALE: N.T.S.

1
E-8

THIS PAGE CONTAINS CONFIDENTIAL, PROPRIETARY OR TRADE SECRET INFORMATION EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW

6	06-04-26	FINAL CONSTRUCTION DRAWINGS	SD	NP	BMQ
5	03-23-26	FINAL CONSTRUCTION DRAWINGS	GMW	NP	BMQ
4	12-09-25	FINAL CONSTRUCTION DRAWINGS	SD	NP	CDM
3	10-28-25	FINAL CONSTRUCTION DRAWINGS	GMW	GMW	CDM
2	09-12-25	FINAL CONSTRUCTION DRAWINGS	SD	GMW	CDM
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED GMW	DRAWN GMW		

AT&T PROJECTS

ELECTRICAL SECTION NOTES

BC
architects
engineers

DRAWING NUMBER

E-8

REV

6

GENERAL CONSTRUCTION

- FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
GENERAL CONTRACTOR – OVERLAND CONTRACTING INC. (B&V)
CONTRACTOR: (CONSTRUCTION)
OWNER – AT&T
- ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND AT&T PROJECT SPECIFICATIONS.
- GENERAL CONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROPOSALS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL 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 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.
- PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER’S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE ENGINEER PRIOR TO PROCEEDING.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFIRM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
- GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
- ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
- SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED MATERIALS APPROVED BY LOCAL JURISDICTION. CONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
- WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEViate FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
- 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 THE OWNER.
- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND CONTRACTORS TO THE SITE AND/OR BUILDING.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
- THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
- THE GENERAL CONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A-OT 2-A10-B-C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. 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 SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
- THE AREAS OF THE OWNER’S 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.
- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
- THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
- ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
- ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
- CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
- CONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
- THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITAT (NO HANDICAP ACCESS REQUIRED).
- OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
- NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.
- ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION AT&T MOBILITY GROUNDING STANDARD “TECHNICAL SPECIFICATION FOR CONSTRUCTION OF GSM/GPRS WIRELESS SITES” AND “TECHNICAL SPECIFICATION FOR FACILITY GROUNDING”. IN CASE OF A CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATION AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.

- CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF CONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
- CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
- INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- NO WHITE STROBE LIGHTS ARE PERMITTED. LIGHTING IF REQUIRED, WILL MEET FAA STANDARDS AND REQUIREMENTS.
- ALL COAXIAL CABLE INSTALLATIONS TO FOLLOW MANUFACTURER’S INSTRUCTIONS AND RECOMMENDATIONS.

ANTENNA MOUNTING

- DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO CURRENT ANSI/TIA-222 OR APPLICABLE LOCAL CODES.
- ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 “ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS”, UNLESS NOTED OTHERWISE.
- ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 “ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE”, UNLESS NOTED OTHERWISE.
- DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780.
- ALL ANTENNA MOUNTS SHALL BE INSTALLED WITH LOCK NUTS, DOUBLE NUTS AND SHALL BE TORQUED TO MANUFACTURER’S RECOMMENDATIONS.
- CONTRACTOR SHALL INSTALL ANTENNA PER MANUFACTURER’S RECOMMENDATION FOR INSTALLATION AND GROUNDING.
- ALL UNUSED PORTS ON ANY ANTENNAS SHALL BE TERMINATED WITH A 50–OHM LOAD TO ENSURE ANTENNAS PERFORM AS DESIGNED.
- PRIOR TO SETTING ANTENNA AZIMUTHS AND DOWNTILTS, ANTENNA CONTRACTOR SHALL CHECK THE ANTENNA MOUNT FOR TIGHTNESS AND ENSURE THAT THEY ARE PLUMB. ANTENNA AZIMUTHS SHALL BE SET FROM TRUE NORTH AND BE ORIENTED WITHIN +/- 5% AS DEFINED BY THE RFDS. ANTENNA DOWNTILTS SHALL BE WITHIN +/- 0.5% AS DEFINED BY THE RFDS. REFER TO ND-00246.
- JUMPERS FROM THE TMA# MUST TERMINATE TO OPPOSITE POLARIZATION’S IN EACH SECTOR.
- CONTRACTOR SHALL RECORD THE SERIAL #, SECTOR, AND POSITION OF EACH ACTUATOR INSTALLED AT THE ANTENNAS AND PROVIDE THE INFORMATION TO AT&T.
- TMA# SHALL BE MOUNTED ON PIPE DIRECTLY BEHIND ANTENNAS AS CLOSE TO ANTENNA AS FEASIBLE IN A VERTICAL POSITION.

TORQUE REQUIREMENTS

- ALL RF CONNECTIONS SHALL BE TIGHTENED BY A TORQUE WRENCH.
- ALL RF CONNECTIONS, GROUNDING HARDWARE AND ANTENNA HARDWARE SHALL HAVE A TORQUE MARK INSTALLED IN A CONTINUOUS STRAIGHT LINE FROM BOTH SIDES OF THE CONNECTION.
A. RF CONNECTION BOTH SIDES OF THE CONNECTOR.
B. GROUNDING AND ANTENNA HARDWARE ON THE NUT SIDE STARTING FROM THE THREADS TO THE SOLID SURFACE. EXAMPLE OF SOLID SURFACE: GROUND BAR, ANTENNA BRACKET METAL.
- ALL 8M ANTENNA HARDWARE SHALL BE TIGHTENED TO 9 LB–FT (12 NM).
- ALL 12M ANTENNA HARDWARE SHALL BE TIGHTENED TO 43 LB–FT (58 NM).
- ALL GROUNDING HARDWARE SHALL BE TIGHTENED UNTIL THE LOCK WASHER COLLAPSES AND THE GROUNDING HARDWARE IS NO LONGER LOOSE.
- ALL DIN TYPE CONNECTIONS SHALL BE TIGHTENED TO 18–22 LB–FT (24.4 – 29.8 NM).
- ALL N TYPE CONNECTIONS SHALL BE TIGHTENED TO 15–20 LB-IN (1.7 – 2.3 NM).

FIBER & POWER CABLE MOUNTING

- THE FIBER OPTIC TRUNK CABLES SHALL BE INSTALLED INTO CONDUITS, CHANNEL CABLE TRAYS, OR CABLE TRAY. WHEN INSTALLING FIBER OPTIC TRUNK CABLES INTO A CABLE TRAY SYSTEM, THEY SHALL BE INSTALLED INTO AN INTER DUCT AND A PARTITION BARRIER SHALL BE INSTALLED BETWEEN THE 600 VOLT CABLES AND THE INTER DUCT IN ORDER TO SEGREGATE CABLE TYPES. OPTIC FIBER TRUNK CABLES SHALL HAVE APPROVED CABLE RESTRAINTS EVERY (60) SIXTY FEET AND SECURELY FASTENED TO THE CABLE TRAY SYSTEM. NFPA 70 (NEC) ARTICLE 770 RULES SHALL APPLY.
- THE TYPE TC-ER CABLES SHALL BE INSTALLED INTO CONDUITS, CHANNEL CABLE TRAYS, OR CABLE TRAY AND SHALL BE SECURED AT INTERVALS NOT EXCEEDING (6) SIX FEET. AN EXCEPTION: WHERE TYPE TC-ER CABLES ARE NOT SUBJECT TO PHYSICAL DAMAGE, CABLES SHALL BE PERMITTED TO MAKE A TRANSITION BETWEEN CONDUITS, CHANNEL CABLE TRAYS, OR CABLE TRAY WHICH ARE SERVING UTILIZATION EQUIPMENT OR DEVICES, A DISTANCE OF (6) SIX FEET SHALL NOT BE EXCEEDED WITHOUT CONTINUOUS SUPPORTING. NFPA 70 (NEC) ARTICLES 336 AND 392 RULES SHALL APPLY.
- WHEN INSTALLING OPTIC FIBER TRUNK CABLES OR TYPE TC-ER CABLES INTO CONDUITS, NFPA 70 (NEC) ARTICLE 300 RULES SHALL APPLY.

COAXIAL CABLE NOTES

- TYPES AND SIZES OF THE ANTENNA CABLE ARE BASED ON ESTIMATED LENGTHS. PRIOR TO ORDERING CABLE, CONTRACTOR SHALL VERIFY ACTUAL LENGTH BASED ON CONSTRUCTION LAYOUT AND NOTIFY THE PROJECT MANAGER IF ACTUAL LENGTHS EXCEED ESTIMATED LENGTHS.
- CONTRACTOR SHALL VERIFY THE DOWN-TILT OF EACH ANTENNA WITH A DIGITAL LEVEL.
- CONTRACTOR SHALL CONFIRM COAX COLOR CODING PRIOR TO CONSTRUCTION. REFER TO “ANTENNA SYSTEM LABELING STANDARD” ND-00027 LATEST VERSION.
- ALL JUMPERS TO THE ANTENNAS FROM THE MAIN TRANSMISSION LINE SHALL BE 1/2” DIA. LDF AND SHALL NOT EXCEED 6’-0”.
- ALL COAXIAL CABLE SHALL BE SECURED TO THE DESIGNED SUPPORT STRUCTURE, IN AN APPROVED MANNER, AT DISTANCES NOT TO EXCEED 4’-0” OC.
- CONTRACTOR SHALL FOLLOW ALL MANUFACTURER’S RECOMMENDATIONS REGARDING BOTH THE INSTALLATION AND GROUNDING OF ALL COAXIAL CABLES, CONNECTORS, ANTENNAS, AND ALL OTHER EQUIPMENT.
- CONTRACTOR SHALL WEATHERPROOF ALL ANTENNA CONNECTORS WITH SELF AMALGAMATING TAPE. WEATHER-PROOFING SHALL BE COMPLETED IN STRICT ACCORDANCE WITH AT&T STANDARDS.
- CONTRACTOR SHALL GROUND ALL EQUIPMENT, INCLUDING ANTENNAS, RET MOTORS, TMA#, COAX CABLES, AND RET CONTROL CABLES AS A COMPLETE SYSTEM. GROUNDING SHALL BE EXECUTED BY QUALIFIED WIREMEN IN COMPLIANCE WITH MANUFACTURER’S SPECIFICATION AND RECOMMENDATION.

- CONTRACTOR SHALL PROVIDE STRAIN-RELIEF AND CABLE SUPPORTS FOR ALL CABLE ASSEMBLIES, COAX CABLES, AND RET CONTROL CABLES. CABLE STRAIN-RELIEFS AND CABLE SUPPORTS SHALL BE APPROVED FOR THE PURPOSE. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER’S SPECIFICATIONS AND RECOMMENDATIONS.
- CONTRACTOR TO VERIFY THAT EXISTING COAX HANGERS ARE STACKABLE SNAP IN HANGERS. IF EXISTING HANGERS ARE NOT STACKABLE SNAP IN HANGERS THE CONTRACTOR SHALL REPLACE EXISTING HANGERS WITH NEW SNAP IN HANGERS IF APPLICABLE.

GENERAL CABLE AND EQUIPMENT NOTES

- CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ANTENNA, TMA#, DIPLEXERS, AND COAX CONFIGURATION, MAKE AND MODELS PRIOR TO INSTALLATION.
- ALL CONNECTIONS FOR HANGERS, SUPPORTS, BRACING, ETC. SHALL BE INSTALLED PER TOWER MANUFACTURER’S RECOMMENDATIONS.
- CONTRACTOR SHALL REFERENCE THE TOWER STRUCTURAL ANALYSIS/DESIGN DRAWINGS FOR DIRECTIONS ON CABLE DISTRIBUTION/ROUTING.
- ALL OUTDOOR RF CONNECTORS/CONNECTIONS SHALL BE WEATHERPROOFED, EXCEPT THE RET CONNECTORS, USING BUTYL TAPE AFTER INSTALLATION AND FINAL CONNECTIONS ARE MADE. BUTYL TAPE SHALL HAVE A MINIMUM OF ONE-HALF TAPE WIDTH OVERLAP ON EACH TURN AND EACH LAYER SHALL BE WRAPPED THREE TIMES. WEATHERPROOFING SHALL BE SMOOTH WITHOUT BUCKLING. BUTYL BLEEDING IS NOT ALLOWED.
- IF REQUIRED TO PAINT ANTENNAS AND/OR COAX:
A. TEMPERATURE SHALL BE ABOVE 50° F.
B. PAINT COLOR MUST BE APPROVED BY BUILDING OWNER/LANDLORD.
C. FOR REGULATED TOWERS, FAA/FCC APPROVED PAINT IS REQUIRED.
D. DO NOT PAINT OVER COLOR CODING OR ON EQUIPMENT MODEL NUMBERS.
- ALL CABLES SHALL BE GROUNDED WITH COAXIAL CABLE GROUND KITS. FOLLOW THE MANUFACTURER’S RECOMMENDATIONS.
A. GROUNDING AT THE ANTENNA LEVEL.
B. GROUNDING AT MID LEVEL, TOWERS WHICH ARE OVER 200’-0”, ADDITIONAL CABLE GROUNDING REQUIRED.
C. GROUNDING AT BASE OF TOWER PRIOR TO TURNING HORIZONTAL.
D. GROUNDING OUTSIDE THE EQUIPMENT SHELTER AT ENTRY PORT.
E. GROUNDING INSIDE THE EQUIPMENT SHELTER AT THE ENTRY PORT.
- ALL PROPOSED GROUND BAR DOWNLEADS ARE TO BE TERMINATED TO THE EXISTING ADJACENT GROUND BAR DOWNLEADS A MINIMUM DISTANCE OF 4’-0” BELOW GROUND BAR. TERMINATIONS MAY BE EXOTHERMIC OR COMPRESSION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ANTENNA AND THE COAX CONFIGURATION IS THE CORRECT MAKE AND MODELS, PRIOR TO INSTALLATION.
- ALL CONNECTIONS FOR HANGERS, SUPPORTS, BRACING, ETC. SHALL BE INSTALLED PER TOWER MANUFACTURER’S SPECIFICATION & RECOMMENDATIONS.
- ANTENNA CONTRACTOR SHALL FURNISH AND INSTALL A 12’-0” STAND-OFF SECTOR ANTENNA MOUNT, OR 14’-16” PLATFORM WITH HANDRAIL, INCLUDING ALL HARDWARE AS REQUIRED AND NOTED ON DRAWINGS.

GENERAL NOTES 1
SCALE: N.T.S. SP-1

THIS PAGE CONTAINS CONFIDENTIAL, PROPRIETARY OR TRADE SECRET INFORMATION EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW

6	06-04-26	FINAL CONSTRUCTION DRAWINGS	SD	NP	BMQ
5	03-23-26	FINAL CONSTRUCTION DRAWINGS	GMW	NP	BMQ
4	12-09-25	FINAL CONSTRUCTION DRAWINGS	SD	NP	CDM
3	10-28-25	FINAL CONSTRUCTION DRAWINGS	GMW	GMW	CDM
2	09-12-25	FINAL CONSTRUCTION DRAWINGS	SD	GMW	CDM
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED GMW	DRAWN GMW		

AT&T PROJECTS		
GENERAL NOTES		
	DRAWING NUMBER	REV
	SP-1	6



5661 COLUMBIA PIKE, SUITE 200
FALLS CHURCH, VA 22041-2868
TEL: (703) 671-8000
FAX: (703) 671-6300



amentum

2 ASH STREET, ST #3000
CONSHOHOCKEN, PA 19428

CNE_SEWARD NE
14412492

SITE ADDRESS:
223 N 7TH ST
SEWARD, NE 68434



7900 XERXES AVE S
BLOOMINGTON, MN 55431



8. Consideration of a Construction Contract with Watts Electric Co. in the Amount of \$402,431.19 for the E Hillcrest Drive Underground Circuit Relocation Project - City Administrator Butcher

NOTICE TO PROCEED

Owner: City of Seward, Nebraska Owner's Project No.: 402402
Engineer: Olsson, Inc. Engineer's Project No.: 024-03433
Contractor: Watts Electric Company Contractor's Project No.: _____
Project: E Hillcrest Dr Underground Circuit Relocation
Contract Name: Agreement Between Owner and Contractor for Construction Contract
Effective Date of Contract: _____

Owner hereby notifies Contractor that the Contract Times under the above Contract will commence to run on _____, 2026, pursuant to Paragraph 4.01 of the General Conditions.

On that date, Contractor shall start performing its obligations under the Contract Documents. No Work will be done at the Site prior to such date.

In accordance with the Agreement:

The date by which Substantial Completion must be achieved is **February 26, 2027, for Substantial Completion, from Agreement**, and the date by which readiness for final payment must be achieved is **March 31, 2027, for readiness, from Agreement**.

Before starting any Work at the Site, Contractor must comply with the following: None.

Owner: City of Seward, Nebraska
By (signature): _____
Name (printed): _____
Title: _____
Date Issued: _____
Copy: Engineer

AGREEMENT BETWEEN OWNER AND CONTRACTOR FOR CONSTRUCTION CONTRACT (STIPULATED PRICE)

This Agreement is by and between **City of Seward, Nebraska** ("Owner") and **Watts Electric Company** ("Contractor").

Terms used in this Agreement have the meanings stated in the General Conditions and the Supplementary Conditions.

Owner and Contractor hereby agree as follows:

ARTICLE 1—WORK

1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows:

- **Remove existing overhead power infrastructure along E Hillcrest Drive between Eastridge Drive and Plum Creek Trail. Construct a 3Ø underground 12.47KV power distribution feeder between Eastridge Drive and Plum Creek Trail, including underground cable in rigid conduit, cable terminations in padmount equipment, overhead wood poles with new underground risers and terminations, and new metering equipment.**
- **Install Owner-furnished 15KV padmounted switchgear (qty 3), junction cabinet (qty 1), and primary metering cabinet (qty 1).**
- **Make MV connections to Owner-furnished padmounted equipment, including switchgear, junction cabinet, primary meter cabinet, and underground risers on Owner-furnished wood poles (qty 4).**
 - **Other construction as specified in bidding documents.**

ARTICLE 2—THE PROJECT

2.01 The Project, of which the Work under the Contract Documents is a part, is generally described as follows: **Seward E Hillcrest Drive Underground Circuit Relocation.**

ARTICLE 3—ENGINEER

3.01 The Owner has retained Olsson ("Engineer") to act as Owner's representative, assume all duties and responsibilities of Engineer, and have the rights and authority assigned to Engineer in the Contract.

3.02 The part of the Project that pertains to the Work has been designed by **Engineer**.

ARTICLE 4—CONTRACT TIMES

4.01 *Time is of the Essence*

- A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.02 *Contract Times: Dates*

- A. The Work will be substantially complete on or before **February 26, 2027**, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before **March 31, 2027**.

4.03 *Milestones*

- A. Parts of the Work must be substantially completed on or before the following Milestone(s):
1. Milestone 1: **50% Completion – January 1, 2027**
 - a. Install underground switchgear and transformer pads
 - b. Install new overhead deadend poles, guys, anchors, and risers
 - c. Install remaining distribution and secondary conduit
 2. Milestone 2: **Substantial Completion– February 26, 2027**
 - a. Install underground distribution and secondary conductor
 - b. Install underground switchgears and transformers
 - c. Remove existing overhead distribution conductor, poles, guys, anchors, and risers
 - d. Install remaining distribution and secondary conduit
 3. Milestone 3: **Final Completion- March 31, 2027**
 - a. Final punch list items complete
 - b. All debris removed
 - c. Site handover to Owner

4.04 *Liquidated Damages*

- A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial and other losses if the Work is not completed and Milestones not achieved within the Contract Times, as duly modified. The parties also recognize the delays, expense, and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty):
1. *Substantial Completion:* Contractor shall pay Owner **\$1,000** for each day that expires after the time (as duly adjusted pursuant to the Contract) specified above for Substantial Completion, until the Work is substantially complete.
 2. *Completion of Remaining Work:* After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times (as duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner **\$1,000** for each day that expires after such time until the Work is completed and ready for final payment.
 4. Liquidated damages for failing to timely attain Milestones, Substantial Completion, and final completion are not additive, and will not be imposed concurrently.
- B. If Owner recovers liquidated damages for a delay in completion by Contractor, then such liquidated damages are Owner's sole and exclusive remedy for such delay, and Owner is precluded from recovering any other damages, whether actual, direct, excess, or consequential, for such delay, except for special damages (if any) specified in this Agreement.

ARTICLE 5—CONTRACT PRICE

- 5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents, the amounts that follow, subject to adjustment under the Contract:
- A. For all Unit Price Work, an amount equal to the sum of the extended prices (established for each separately identified item of Unit Price Work by multiplying the unit price times the actual quantity of that item) attached in bid documents.
 - B. The extended prices for Unit Price Work set forth as of the Effective Date of the Contract are based on estimated quantities. As provided in Paragraph 13.03 of the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by Engineer.
- 5.02 Contractor shall be responsible for fees acquired from failure to meet key performance indicators related to the function of the substation during the testing and commissioning phase of construction

ARTICLE 6—PAYMENT PROCEDURES

6.01 *Submittal and Processing of Payments*

- A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

6.02 *Progress Payments; Retainage*

- A. Owner shall make progress payments on the basis of Contractor's Applications for Payment on or about the **27th** day of each month during performance of the Work as provided in Paragraph 6.02.A.1 below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no Schedule of Values, as provided elsewhere in the Contract.
 - 1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract.
 - a. **90** percent of the value of the Work completed (with the balance being retainage).
 - 1) If 50 percent or more of the Work has been completed, as determined by Engineer, and if the character and progress of the Work have been satisfactory to Owner and Engineer, then as long as the character and progress of the Work remain satisfactory to Owner and Engineer, there will be no additional retainage; and
 - b. **5** percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage).

- B. Upon Substantial Completion, Owner shall pay an amount sufficient to increase total payments to Contractor to **100** percent of the Work completed, less such amounts set off by Owner pursuant to Paragraph 15.01.E of the General Conditions, and less **200** percent of Engineer's estimate of the value of Work to be completed or corrected as shown on the punch list of items to be completed or corrected prior to final payment.

6.03 *Final Payment*

- A. Upon final completion and acceptance of the Work, Owner shall pay the remainder of the Contract Price in accordance with Paragraph 15.06 of the General Conditions.

6.04 *Consent of Surety*

- A. Owner will not make final payment or return or release retainage at Substantial Completion or any other time, unless Contractor submits written consent of the surety to such payment, return, or release.

6.05 *Interest*

- A. All amounts not paid when due will bear interest at the maximum legal rate.

ARTICLE 7—CONTRACT DOCUMENTS

7.01 *Contents*

- A. The Contract Documents consist of all of the following:
 - 1. This Agreement
 - 2. Bonds:
 - a. Performance bond (together with power of attorney)
 - b. Payment bond (together with power of attorney)
 - 3. Bid Form
 - 4. General Conditions
 - 5. Supplementary Conditions
 - 6. Drawings listed on the attached sheet index
 - 9. Addenda **1 to 4**
 - 10. Exhibits to this Agreement (enumerated as follows):
 - a. **211615 – East Hillcrest Street Improvements**
 - 11. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
 - a. Notice to Proceed
 - b. Work Change Directives
 - c. Change Orders
 - d. Field Orders
 - e. Warranty Bond, if any

- B. The Contract Documents listed in Paragraph 7.01.A are attached to this Agreement (except as expressly noted otherwise above).
- C. There are no Contract Documents other than those listed above in this Article 7.
- D. The Contract Documents may only be amended, modified, or supplemented as provided in the Contract.

ARTICLE 8—REPRESENTATIONS, CERTIFICATIONS, AND STIPULATIONS

8.01 Contractor's Representations

- A. In order to induce Owner to enter into this Contract, Contractor makes the following representations:
 - 1. Contractor has examined and carefully studied the Contract Documents, including Addenda.
 - 2. Contractor has had the opportunity to visit the Site, conduct a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 - 3. Contractor is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
 - 4. Contractor has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
 - 5. Contractor has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
 - 6. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (c) Contractor's safety precautions and programs.
 - 7. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.

8. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
9. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

8.02 *Contractor's Certifications*

- A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 8.02:
 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process or in the Contract execution;
 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and
 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

8.03 *Standard General Conditions*

- A. Owner stipulates that if the General Conditions that are made a part of this Contract are EJCDC® C-700, Standard General Conditions for the Construction Contract (2018), published by the Engineers Joint Contract Documents Committee, and if Owner is the party that has furnished said General Conditions, then Owner has plainly shown all modifications to the standard wording of such published document to the Contractor, through a process such as highlighting or "track changes" (redline/strikeout), or in the Supplementary Conditions.

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement.

This Agreement will be effective on **September 15, 2026** (which is the Effective Date of the Contract).

Owner:

(typed or printed name of organization)

By: _____
(individual's signature)

Date: _____
(date signed)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Attest: _____
(individual's signature)

Title: _____
(typed or printed)

Address for giving notices:

Designated Representative:

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Address: _____

Phone: _____

Email: _____

(If [Type of Entity] is a corporation, attach evidence of authority to sign. If [Type of Entity] is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of this Agreement.)

Contractor:

Watts Electric Company

(typed or printed name of organization)

By: _____
(individual's signature)

Date: 09/13/2026

(date signed)

Name: Toni Watts-McDonald

(typed or printed)

Title: President

(typed or printed)

(If [Type of Entity] is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest: _____
(individual's signature)

Title: Project Billing Specialist

(typed or printed)

Address for giving notices:

Watts Electric Company

13351 Dovers St

Waverly, NE 68462

Designated Representative:

Name: Ryan Buller

(typed or printed)

Title: Project Manager

(typed or printed)

Address: 13351 Dovers St.

Waverly, NE 68462

Phone: 531-500-0730

Email: RyanB@gowatts.com

License No.: N/A

(where applicable)

State: _____

Documentation of Authority to Sign

Complete Section A *or* B, as applicable:

Section A.

I TIMOTHY J. DRUBA certify that I am the Secretary of the corporation named as Contractor herein; that TONI WATTS-MCDONALD who signed this contract on behalf of the Contractor was then PRESIDENT (Title) of said corporation; that said contract was duly signed for and on behalf of the said corporation by authority of its governing body and is within the scope of its corporate powers.

IN WITNESS WHEREOF, I have hereunto affixed my hand and the seal of said corporation this day 14 of SEPTEMBER, 2026.

(Corporate Seal)

Timothy J. Druba
Corporate Secretary

Section B.

We hereby certify that the undersigned are the sole owners of the company named as Contractor herein; and hereby attest that _____, who signed this Agreement on behalf of said Contractor, is authorized to legally bind the Contractor to the obligations of this Agreement.

By _____

NOTARIZATION

STATE OF NEBRASKA

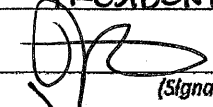
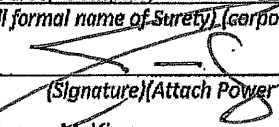
COUNTY OF _____

The foregoing was acknowledged before me this _____ day of _____, _____, by _____.

Notary Public

PERFORMANCE BOND

Bond Number: 150931

Contractor Name: Watts Electric Company Address (principal place of business): 13351 Dovers Street, Waverly, NE 68462	Surety Name: Universal Surety Company Address (principal place of business): P.O. Box 80468, Lincoln, NE 68501
Owner Name: City of Seward, Nebraska Mailing address (principal place of business): 537 Main St., Seward, NE 68434	Contract Description (name and location): Seward E Hillcrest Drive Underground Circuit Relocation Contract Price: \$402,431.19 Effective Date of Contract:
Bond Bond Amount: \$402,431.19 Date of Bond: <i>(Date of Bond cannot be earlier than Effective Date of Contract)</i> Modifications to this Bond form: ☒ None ☐ See Paragraph 16	
Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth in this Performance Bond, do each cause this Performance Bond to be duly executed by an authorized officer, agent, or representative.	
Contractor as Principal Watts Electric Company <i>(Full formal name of Contractor)</i> By:  <i>(Signature)</i> Name: <u>TONI WATTS-MCDONALD</u> <i>(Printed or typed)</i> Title: <u>PRESIDENT</u> Attest:  <i>(Signature)</i> Name: <u>Jamie Roth</u> <i>(Printed or typed)</i> Title: <u>Witness</u>	Surety Universal Surety Company <i>(Full formal name of Surety) (corporate seal)</i> By:  <i>(Signature) (Attach Power of Attorney)</i> Name: <u>James M. King</u> <i>(Printed or typed)</i> Title: <u>Attorney-in-Fact</u> Attest:  <i>(Signature)</i> Name: <u>Karla Cram</u> <i>(Printed or typed)</i> Title: <u>Witness</u>
Notes: (1) Provide supplemental execution by any additional parties, such as joint venturers. (2) Any singular reference to Contractor, Surety, Owner, or other party is considered plural where applicable.	

1. The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner for the performance of the Construction Contract, which is incorporated herein by reference.
2. If the Contractor performs the Construction Contract, the Surety and the Contractor shall have no obligation under this Bond, except when applicable to participate in a conference as provided in Paragraph 3.
3. If there is no Owner Default under the Construction Contract, the Surety's obligation under this Bond will arise after:
 - 3.1. The Owner first provides notice to the Contractor and the Surety that the Owner is considering declaring a Contractor Default. Such notice may indicate whether the Owner is requesting a conference among the Owner, Contractor, and Surety to discuss the Contractor's performance. If the Owner does not request a conference, the Surety may, within five (5) business days after receipt of the Owner's notice, request such a conference. If the Surety timely requests a conference, the Owner shall attend. Unless the Owner agrees otherwise, any conference requested under this Paragraph 3.1 will be held within ten (10) business days of the Surety's receipt of the Owner's notice. If the Owner, the Contractor, and the Surety agree, the Contractor shall be allowed a reasonable time to perform the Construction Contract, but such an agreement does not waive the Owner's right, if any, subsequently to declare a Contractor Default;
 - 3.2. The Owner declares a Contractor Default, terminates the Construction Contract and notifies the Surety; and
 - 3.3. The Owner has agreed to pay the Balance of the Contract Price in accordance with the terms of the Construction Contract to the Surety or to a contractor selected to perform the Construction Contract.
4. Failure on the part of the Owner to comply with the notice requirement in Paragraph 3.1 does not constitute a failure to comply with a condition precedent to the Surety's obligations, or release the Surety from its obligations, except to the extent the Surety demonstrates actual prejudice.
5. When the Owner has satisfied the conditions of Paragraph 3, the Surety shall promptly and at the Surety's expense take one of the following actions:
 - 5.1. Arrange for the Contractor, with the consent of the Owner, to perform and complete the Construction Contract;
 - 5.2. Undertake to perform and complete the Construction Contract itself, through its agents or independent contractors;
 - 5.3. Obtain bids or negotiated proposals from qualified contractors acceptable to the Owner for a contract for performance and completion of the Construction Contract, arrange for a contract to be prepared for execution by the Owner and a contractor selected with the Owners concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Construction Contract, and pay to the Owner the amount of damages as described in Paragraph 7 in excess of the Balance of the Contract Price incurred by the Owner as a result of the Contractor Default; or
 - 5.4. Waive its right to perform and complete, arrange for completion, or obtain a new contractor, and with reasonable promptness under the circumstances:

- 5.4.1 After investigation, determine the amount for which it may be liable to the Owner and, as soon as practicable after the amount is determined, make payment to the Owner; or
- 5.4.2 Deny liability in whole or in part and notify the Owner, citing the reasons for denial.
6. If the Surety does not proceed as provided in Paragraph 5 with reasonable promptness, the Surety shall be deemed to be in default on this Bond seven days after receipt of an additional written notice from the Owner to the Surety demanding that the Surety perform its obligations under this Bond, and the Owner shall be entitled to enforce any remedy available to the Owner. If the Surety proceeds as provided in Paragraph 5.4, and the Owner refuses the payment, or the Surety has denied liability, in whole or in part, without further notice, the Owner shall be entitled to enforce any remedy available to the Owner.
7. If the Surety elects to act under Paragraph 5.1, 5.2, or 5.3, then the responsibilities of the Surety to the Owner will not be greater than those of the Contractor under the Construction Contract, and the responsibilities of the Owner to the Surety will not be greater than those of the Owner under the Construction Contract. Subject to the commitment by the Owner to pay the Balance of the Contract Price, the Surety is obligated, without duplication for:
- 7.1. the responsibilities of the Contractor for correction of defective work and completion of the Construction Contract;
- 7.2. additional legal, design professional, and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under Paragraph 5; and
- 7.3. liquidated damages, or if no liquidated damages are specified in the Construction Contract, actual damages caused by delayed performance or non-performance of the Contractor.
8. If the Surety elects to act under Paragraph 5.1, 5.3, or 5.4, the Surety's liability is limited to the amount of this Bond.
9. The Surety shall not be liable to the Owner or others for obligations of the Contractor that are unrelated to the Construction Contract, and the Balance of the Contract Price will not be reduced or set off on account of any such unrelated obligations. No right of action will accrue on this Bond to any person or entity other than the Owner or its heirs, executors, administrators, successors, and assigns.
10. The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders, and other obligations.
11. Any proceeding, legal or equitable, under this Bond must be instituted in any court of competent jurisdiction in the location in which the work or part of the work is located and must be instituted within two years after a declaration of Contractor Default or within two years after the Contractor ceased working or within two years after the Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this paragraph are void or prohibited by law, the minimum periods of limitations available to sureties as a defense in the jurisdiction of the suit will be applicable.
12. Notice to the Surety, the Owner, or the Contractor must be mailed or delivered to the address shown on the page on which their signature appears.
13. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with

said statutory or legal requirement will be deemed deleted therefrom and provisions conforming to such statutory or other legal requirement will be deemed incorporated herein. When so furnished, the intent is that this Bond will be construed as a statutory bond and not as a common law bond.

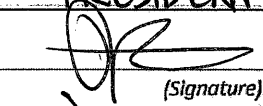
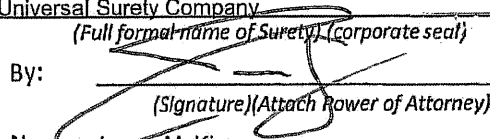
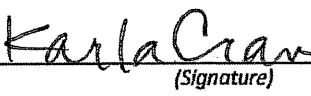
14. Definitions

- 14.1. Balance of the Contract Price**—The total amount payable by the Owner to the Contractor under the Construction Contract after all proper adjustments have been made including allowance for the Contractor for any amounts received or to be received by the Owner in settlement of insurance or other claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Construction Contract.
- 14.2. Construction Contract**—The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and changes made to the agreement and the Contract Documents.
- 14.3. Contractor Default**—Failure of the Contractor, which has not been remedied or waived, to perform or otherwise to comply with a material term of the Construction Contract.
- 14.4. Owner Default**—Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.
- 14.5. Contract Documents**—All the documents that comprise the agreement between the Owner and Contractor.
- 15.** If this Bond is issued for an agreement between a contractor and subcontractor, the term Contractor in this Bond will be deemed to be Subcontractor and the term Owner will be deemed to be Contractor.

16. Modifications to this Bond are as follows: [Describe modification or enter "None"]

PAYMENT BOND

Bond Number: 150931

Contractor Name: Watts Electric Company Address (principal place of business): 13351 Dovers Street, Waverly, NE 68462	Surety Name: Universal Surety Company Address (principal place of business): P.O. Box 80468, Lincoln, NE 68501
Owner Name: City of Seward, Nebraska Mailing address (principal place of business): 537 Main St., Seward, NE 68434	Contract Description (name and location): Seward E Hillcrest Drive Underground Circuit Relocation Contract Price: \$402,431.19 Effective Date of Contract:
Bond Bond Amount: \$402,431.19 Date of Bond: <i>(Date of Bond cannot be earlier than Effective Date of Contract)</i> Modifications to this Bond form: ☒ None ☐ See Paragraph 18	
Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth in this Payment Bond, do each cause this Payment Bond to be duly executed by an authorized officer, agent, or representative.	
Contractor as Principal Watts Electric Company <i>(Full formal name of Contractor)</i> By:  <i>(Signature)</i> Name: <u>TONI WATTS-MCDONALD</u> <i>(Printed or typed)</i> Title: <u>PRESIDENT</u> Attest:  <i>(Signature)</i> Name: <u>James Roth</u> <i>(Printed or typed)</i> Title: <u>Witness</u>	Surety Universal Surety Company <i>(Full formal name of Surety) (Corporate seal)</i> By:  <i>(Signature) (Attach Power of Attorney)</i> Name: <u>James M. King</u> <i>(Printed or typed)</i> Title: <u>Attorney-in-Fact</u> Attest:  <i>(Signature)</i> Name: <u>Karla Cram</u> <i>(Printed or typed)</i> Title: <u>Witness</u>
Notes: (1) Provide supplemental execution by any additional parties, such as joint venturers. (2) Any singular reference to Contractor, Surety, Owner, or other party is considered plural where applicable.	

1. The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner to pay for labor, materials, and equipment furnished for use in the performance of the Construction Contract, which is incorporated herein by reference, subject to the following terms.
2. If the Contractor promptly makes payment of all sums due to Claimants, and defends, indemnifies, and holds harmless the Owner from claims, demands, liens, or suits by any person or entity seeking payment for labor, materials, or equipment furnished for use in the performance of the Construction Contract, then the Surety and the Contractor shall have no obligation under this Bond.
3. If there is no Owner Default under the Construction Contract, the Surety's obligation to the Owner under this Bond will arise after the Owner has promptly notified the Contractor and the Surety (at the address described in Paragraph 13) of claims, demands, liens, or suits against the Owner or the Owner's property by any person or entity seeking payment for labor, materials, or equipment furnished for use in the performance of the Construction Contract, and tendered defense of such claims, demands, liens, or suits to the Contractor and the Surety.
4. When the Owner has satisfied the conditions in Paragraph 3, the Surety shall promptly and at the Surety's expense defend, indemnify, and hold harmless the Owner against a duly tendered claim, demand, lien, or suit.
5. The Surety's obligations to a Claimant under this Bond will arise after the following:
 - 5.1. Claimants who do not have a direct contract with the Contractor
 - 5.1.1. have furnished a written notice of non-payment to the Contractor, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were, or equipment was, furnished or supplied or for whom the labor was done or performed, within ninety (90) days after having last performed labor or last furnished materials or equipment included in the Claim; and
 - 5.1.2. have sent a Claim to the Surety (at the address described in Paragraph 13).
 - 5.2. Claimants who are employed by or have a direct contract with the Contractor have sent a Claim to the Surety (at the address described in Paragraph 13).
6. If a notice of non-payment required by Paragraph 5.1.1 is given by the Owner to the Contractor, that is sufficient to satisfy a Claimant's obligation to furnish a written notice of non-payment under Paragraph 5.1.1.
7. When a Claimant has satisfied the conditions of Paragraph 5.1 or 5.2, whichever is applicable, the Surety shall promptly and at the Surety's expense take the following actions:
 - 7.1. Send an answer to the Claimant, with a copy to the Owner, within sixty (60) days after receipt of the Claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed; and
 - 7.2. Pay or arrange for payment of any undisputed amounts.
 - 7.3. The Surety's failure to discharge its obligations under Paragraph 7.1 or 7.2 will not be deemed to constitute a waiver of defenses the Surety or Contractor may have or acquire as to a Claim, except as to undisputed amounts for which the Surety and Claimant have reached agreement. If, however, the Surety fails to discharge its obligations under Paragraph 7.1 or 7.2, the Surety shall indemnify the Claimant for the reasonable attorney's fees the Claimant incurs thereafter to recover any sums found to be due and owing to the Claimant.

8. The Surety's total obligation will not exceed the amount of this Bond, plus the amount of reasonable attorney's fees provided under Paragraph 7.3, and the amount of this Bond will be credited for any payments made in good faith by the Surety.
9. Amounts owed by the Owner to the Contractor under the Construction Contract will be used for the performance of the Construction Contract and to satisfy claims, if any, under any construction performance bond. By the Contractor furnishing and the Owner accepting this Bond, they agree that all funds earned by the Contractor in the performance of the Construction Contract are dedicated to satisfying obligations of the Contractor and Surety under this Bond, subject to the Owner's priority to use the funds for the completion of the work.
10. The Surety shall not be liable to the Owner, Claimants, or others for obligations of the Contractor that are unrelated to the Construction Contract. The Owner shall not be liable for the payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligation to make payments to or give notice on behalf of Claimants, or otherwise have any obligations to Claimants under this Bond.
11. The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders, and other obligations.
12. No suit or action will be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the state in which the project that is the subject of the Construction Contract is located or after the expiration of one year from the date (1) on which the Claimant sent a claim to the Surety pursuant to Paragraph 5.1.2 or 5.2, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit will be applicable.
13. Notice and Claims to the Surety, the Owner, or the Contractor must be mailed or delivered to the address shown on the page on which their signature appears. Actual receipt of notice or Claims, however accomplished, will be sufficient compliance as of the date received.
14. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement will be deemed deleted here from and provisions conforming to such statutory or other legal requirement will be deemed incorporated herein. When so furnished, the intent is that this Bond will be construed as a statutory bond and not as a common law bond.
15. Upon requests by any person or entity appearing to be a potential beneficiary of this Bond, the Contractor and Owner shall promptly furnish a copy of this Bond or shall permit a copy to be made.
16. Definitions
 - 16.1. *Claim*—A written statement by the Claimant including at a minimum:
 - 16.1.1. The name of the Claimant;
 - 16.1.2. The name of the person for whom the labor was done, or materials or equipment furnished;
 - 16.1.3. A copy of the agreement or purchase order pursuant to which labor, materials, or equipment was furnished for use in the performance of the Construction Contract;
 - 16.1.4. A brief description of the labor, materials, or equipment furnished;

- 16.1.5. The date on which the Claimant last performed labor or last furnished materials or equipment for use in the performance of the Construction Contract;
- 16.1.6. The total amount earned by the Claimant for labor, materials, or equipment furnished as of the date of the Claim;
- 16.1.7. The total amount of previous payments received by the Claimant; and
- 16.1.8. The total amount due and unpaid to the Claimant for labor, materials, or equipment furnished as of the date of the Claim.
- 16.2. *Claimant*—An individual or entity having a direct contract with the Contractor or with a subcontractor of the Contractor to furnish labor, materials, or equipment for use in the performance of the Construction Contract. The term Claimant also includes any individual or entity that has rightfully asserted a claim under an applicable mechanic's lien or similar statute against the real property upon which the Project is located. The intent of this Bond is to include without limitation in the terms of "labor, materials, or equipment" that part of the water, gas, power, light, heat, oil, gasoline, telephone service, or rental equipment used in the Construction Contract, architectural and engineering services required for performance of the work of the Contractor and the Contractor's subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials, or equipment were furnished.
- 16.3. *Construction Contract*—The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and all changes made to the agreement and the Contract Documents.
- 16.4. *Owner Default*—Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.
- 16.5. *Contract Documents*—All the documents that comprise the agreement between the Owner and Contractor.
17. If this Bond is issued for an agreement between a contractor and subcontractor, the term Contractor in this Bond will be deemed to be Subcontractor and the term Owner will be deemed to be Contractor.
18. Modifications to this Bond are as follows: [Describe modification or enter "None"]

UNIVERSAL SURETY COMPANY

Lincoln, Nebraska

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That the **UNIVERSAL SURETY COMPANY**, a corporation of the State of Nebraska having its principal office in the City of Lincoln, Nebraska, pursuant to the following Bylaw, which was adopted by the Board of Directors of the said Company on July 23, 1981, to wit:

"Article V-Section 6. **RESIDENT OFFICERS AND ATTORNEYS-IN-FACT.** The President or any Vice President, acting with any Secretary or Assistant Secretary, shall have the authority to appoint Resident Vice Presidents and Attorneys-in-Fact, with the power and authority to sign, execute, acknowledge and deliver on its behalf, as Surety: Any and all undertakings of suretyship and to affix thereto the corporate seal of the corporation. The President or any Vice President, acting with any Secretary or Assistant Secretary, shall also have the authority to remove and revoke the authority of any such appointee at any time."

does hereby make, constitute and appoint

James M. King or Tamala J. Hurlbut or Jacob J. Buss
or Thomas L. King, Lincoln, Nebraska or Seth Weedon, Gretna, Nebraska

its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver for and on its behalf, as Surety:
Any and all undertakings of suretyship

And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its offices in Lincoln, Nebraska, in their own persons.

The following Resolution was adopted at the Regular Meeting of the Board of Directors of the **UNIVERSAL SURETY COMPANY**, held on July 23, 1981:

"RESOLVED, That the signatures of officers of the Company and the seal of the Company may be affixed by facsimile to any Power of Attorney executed in accordance with Article V-Section 6 of the Company Bylaws: and that any such Power of Attorney bearing such facsimile signatures, including the facsimile signature of a certifying Assistant Secretary and facsimile seal shall be valid and binding upon the Company with respect to any bond, undertaking or contract of suretyship to which it is attached."

All authority hereby conferred shall remain in full force and effect until terminated by the Company.

IN WITNESS WHEREOF, **UNIVERSAL SURETY COMPANY** has caused these presents to be signed by its President and its corporate seal to be hereunto affixed
this 16th day of February, 20 26

Carol J. Clark

UNIVERSAL SURETY COMPANY

Curt L. Hartter



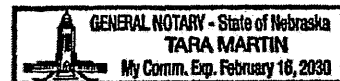
State of Nebraska }
County of } ss.
Lancaster

By

President

On this 16th day of February, 20 26, before me personally came Curtis L. Hartter, to me known, who being by me duly sworn, did depose and say that (s)he resides in the County of Lancaster, State of Nebraska; that (s)he is the President of the **UNIVERSAL SURETY COMPANY**, the corporation described in and which executed the above instrument; that (s)he knows the seal of the said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; that (s)he signed (his) (her) name by like order; and that Bylaw, Article V-Section 6, adopted by the Board of Directors of said Company, referred to in the preceding instrument, is now in force.

Tara Martin



My Commission Expires February 16, 2030.

Notary Public

I, Philip C. Abel, Director of **UNIVERSAL SURETY COMPANY**, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by said **UNIVERSAL SURETY COMPANY**, which is still in full force and effect.

Signed and sealed at the City of Lincoln, Nebraska this _____ day of _____, 20 _____.

Philip C. Abel

Director



Minutes of Special Meeting of Board of Directors

Of

Watts Electric Company

The special meeting of the Board of Directors of Watts Electric Company was held on October 28, 2025 at 2:30 p.m. at Watts Electric Company, 13351 Dovers Street, Waverly, Nebraska, pursuant to a written waiver of notice signed by the directors and fixing said time and place.

The following duly elected directors were present: Toni J. Watts-McDonald, Timothy J. Druba

Upon motion duly made and seconded, the Board of Directors hereby certifies that the attached resolution was adopted at the Board of Directors meeting on October 28, 2025, and that the following officers were elected:

President:	Toni J Watts-McDonald
Vice President:	Vacant
Secretary:	Timothy J (T.J.) Druba

The Board of Directors of Watts Electric Company resolves that the Corporate Officers as elected are authorized and approved to execute, endorse and deliver in the name of and on behalf of the corporation contractual obligations for the purpose of conducting normal business operations.

There being no further business to come before the meeting, upon motion duly made and passed, the meeting was adjourned.



Toni Watts-McDonald, President



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

9/4/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER FNIC 14010 FNB Parkway Suite 300 Omaha NE 68154	CONTACT NAME: Angie Goforth PHONE (A/C, No, Ext): 402-861-7000 E-MAIL ADDRESS: Angie.Goforth@fnicgroup.com	FAX (A/C, No):
INSURED Watts Electric Company 13351 Dovers Street Waverly, NE 68462	INSURER(S) AFFORDING COVERAGE INSURER A : American Guarantee and Liability Ins Co INSURER B : Zurich American Insurance Company INSURER C : Axis Surplus Insurance Company INSURER D : INSURER E : INSURER F :	NAIC # 26247 16535 26620

COVERAGES**CERTIFICATE NUMBER:** 1926222605**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☐ LOC OTHER:	Y	Y	GLO548054903	7/1/2026	7/1/2027	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 \$
B	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY	Y	Y	BAP548055003	7/1/2026	7/1/2027	COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	☐ UMBRELLA LIAB ☒ OCCUR ☒ EXCESS LIAB ☐ CLAIMS-MADE DED RETENTION \$	Y	Y	SXS 6925328-03	7/1/2026	7/1/2027	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	Y	WC548054803	7/1/2026	7/1/2027	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Pollution Liability Professional Liability Pollution/Professional			CM005041-03-2026	7/1/2026	7/1/2027	Per Occ/Aggregate \$5M/\$5M Ea Claim/Aggregate \$5M/\$5M Deductible Occ/Claim \$25,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Installation Floater -Travelers Property Casualty Company QT-630-B250323A-TIL-26 - Policy Term 07/01/2026 thru 07/01/2027 - \$5,000,000 Any One Location- \$1,500,000 Temporary Location - \$1,500,000 Transit.

City of Seward, NE, Engineer(s), and others as required by written contract are primary, non-contributory additional insured for general liability, including ongoing and products & completed operations, auto liability and umbrella liability, if required by written contract executed prior to loss. Primary & noncontributory status is governed by the terms & conditions of the insurance policies of all parties to the contract. Waiver of Subrogation for general liability, auto liability, umbrella liability and workers' compensation, applies if required by written contract executed prior to loss.

CERTIFICATE HOLDER**CANCELLATION**

City of Seward, NE
537 Main Street
Seward NE 68434

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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9. Consideration of a Funding Agreement with the Seward County Chamber & Economic Development Partnership for FY27 - Megan Forbes, SCCDP

FUNDING AGREEMENT

THIS AGREEMENT is made and entered into this _____ day of _____ 2026, by and between the CITY OF SEWARD, NEBRASKA, a municipal corporation, hereinafter referred to as the CITY, and the SEWARD COUNTY CHAMBER & DEVELOPMENT PARTNERSHIP, a Nebraska nonprofit corporation, hereinafter referred to as the SCCDP.

RECITALS:

WHEREAS, the parties desire to enter into a mutually beneficial Funding Agreement for the purpose of promoting economic development in the City of SEWARD, Nebraska, and throughout Seward County, Nebraska.

NOW, THEREFORE, in consideration of the foregoing recitals and the terms and conditions hereinafter set forth, the parties hereto agree as follows:

1. The City and the SCCDP agree to enter into this Funding Agreement for the promotion of economic development as set forth above on the basis of the City's fiscal year which commences October 1, 2026 and ends September 30, 2027.

2. The City agrees to fund the promotion of economic development by paying to the SCCDP the sum of **EIGHTY THOUSAND FIVE HUNDRED AND THIRTY-TWO and No/100ths Dollars (\$80,532.00)** subject to the following requirements:

(i) The SCCDP shall place all funds received pursuant to this Agreement in a separate segregated economic development fund ("the Public Economic Development Fund"); and

(ii) The SCCDP shall use all funds received pursuant to this Agreement only for the purpose of "encouraging immigration, new industries, and investment and to conduct and carry on a publicity campaign, and advertising the various agricultural, horticultural, manufacturing, commercial, and other resources, including utility services of the City," all in accordance with **Neb. Rev. Stat. § 13-315** (Reissue 2012), a copy of which is attached hereto and marked as Exhibit "A".

3. As a way of ensuring the City's funds will be used in compliance with **Neb. Rev. Stat. § 13-315**, a designee of the City and a designee of the SCCDP shall reconcile and audit the Public Economic Development Fund annually. The fiscal year end reconciliation and audit shall be completed within sixty (60) days of June 30, 2027. If there are funds remaining in the Public Economic Development Fund at fiscal year end, the funds for any authorized expenditures which accrued during the fiscal year, but which have not yet been paid for, may be retained by the SCCDP to pay the same. Any funds remaining after accounting for the authorized accrued expenses as provided herein shall be retained by the SCCDP and considered as part of the City's next fiscal year appropriation should one be made by the City for the SCCDP.

4. At the expiration date of this Funding Agreement on September 30, 2027, the parties hereto shall either enter into a new Funding Agreement for the ensuing fiscal year or this Funding Agreement shall terminate and the end of year reconciliation and audit shall be accomplished as provided for in Paragraph 3 above.

IN WITNESS WHEREOF, the parties hereto have executed the foregoing Funding Agreement in duplicate the date and year first above written.

CITY OF SEWARD, NEBRASKA, a
Municipal Corporation,

Joshua Eickmeier, Mayor

ATTEST:

Derek Bargmann
City Clerk/HR Director

Approved as to form: _____
City Attorney

SEWARD COUNTY & CHAMBER DEVELOPMENT
PARTNERSHIP, a Nebraska Nonprofit Corporation

Chairperson

EXHIBIT “A”

Neb. Rev. Stat. § 13-315. Appropriation or expenditure; purposes; method; limitation

The city commissioners or council of any city, the board of trustees of any village, and the county board of any county in the state shall have the power to appropriate or expend annually from the general funds or from revenue received from any proprietary functions of their respective political subdivision an amount not to exceed four-tenths of one percent of the taxable valuation of the city, village, or county for the purpose of encouraging immigration, new industries, and investment and to conduct and carry on a publicity campaign, including a publicity campaign conducted for the purpose of acquiring from any source a municipal electrical distribution system or exploiting and advertising the various agricultural, horticultural, manufacturing, commercial, and other resources, including utility services, of the city, village, or county. Such sum may be expended directly by the city, village, or county or may be paid to the chamber of commerce or other commercial organization or a similar county organization or multicounty organization or local development corporation to be expended for the purposes enumerated in this section under the direction of the board of directors of the organization. The total amount levied including the appropriation or expenditure made under this section shall not exceed the amount limited bylaw.

10. Consideration of a Resolution to Designate City Items as Surplus - City Clerk Bargmann

RESOLUTION NO. 2026-19

WHEREAS, the City of Seward, Nebraska has the authority to sell personal property owned by the City;
and

WHEREAS, as outlined under Section 44-1.26 of the City Code, in order for the City to sell property having a value of \$5,000 or more, the City Council shall declare said property as surplus property and approve its disposal; and

WHEREAS, as outlined under Section 44-1.26 of the City Code, in order for the City to sell property having a value of \$5,000 or less, a listing of said property shall be posted; and

WHEREAS, the Governing Body determines that the City Administrator should act and that items should be sold and disposed of by the City of Seward; and

WHEREAS, the City of Seward, Nebraska has the following described property:

Item	Quantity	Purchase Method	Department
#1. 2000 GMC C-Series C7H064	1	Purplewave	Street
#2. Huffy Rock Creek Bicycle (Blue)	1	Highest Bid	Police
#3. Huffy Trail Runner Bicycle (Gray)	1	Highest Bid	Police
#4. BCA SC29 Bicycle (Black)	1	Highest Bid	Police
#5. Kent Ambush BMX Bicycle (White)	1	Highest Bid	Police
#6. Ninebot by Segway	2	Highest Bid	Police
#7. Miscellaneous Chairs	46	Highest Bid	Fire

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF SEWARD, NEBRASKA THAT:

That the above described property be sold or destroyed by the City of Seward in accordance with the procedures set forth in Section 44-1.26 of the Seward City Code.

The Mayor declared the resolution adopted. Dated this 15th day of September 2026.

THE CITY OF SEWARD, NEBRASKA

ATTEST:

Joshua Eickmeier, Mayor

Derek Bargmann, City Clerk

(SEAL)

DISCLAIMER:

All items are sold 'as is' and all sales are final. The bid opening date for items #2-7 will be at a yet to be determined date and advertised in the Seward County Independent. Item #1 will be listed by Purplewave auction at a yet to be determined date and offered to the highest bidder.

Items Declared Surplus by City Council Action on March 3, 2026:

(ITEM #1) 2000 GMC C-Series C7H064 Dump Truck. **TBD Auction via [purplewave.com](https://www.purplewave.com):**



(ITEM #2) Huffy Rock Creek Bicycle (Blue). Awarded to Highest Bidder.



(ITEM #3) Huffy Trail Runner Bicycle (Gray). Awarded to Highest Bidder.



(ITEM #4) BCA SC29 Bicycle (Black). **Awarded to Highest Bidder.**



(ITEM #5) Kent Ambush BMX Bicycle (White). **Awarded to Highest Bidder.**



(ITEM #6) Ninebot by Segway (2). **Awarded to Highest Bidder.**



(ITEM #7) Miscellaneous Chairs (46 total). **Awarded to Highest Bidder. NO PICTURE AVAILABLE.**

11. Consideration of a Proposal from Miller Painting & Decorating, Inc. for Dowding Pool Maintenance in the Amount of \$105,732.00 - City Administrator Butcher

Miller
Painting & Decorating, Inc.
COMMERCIAL PAINTING AND CAULKING

401 E. Felber St.
Box 183
Hartington, Ne 68739

Phone: 402-254-6328
Fax: 402-254-6326

JOB: Seward City Pool

6-25-2026

ATTN:

Proposal

The undersigned proposes to furnish all materials and perform all labor necessary to complete the Following:

Sandblast pool, patch broken concrete and put two coats of Tnemec epoxy on floor and walls.

Total: \$105,732.00

All of the above work to be completed in a substantial and workmanlike manner for the sum of One Hundred Five Thousand Seven Hundred Thirty Two Dollars.

Payments to be made each _____ as the work progresses to the value of _____ (_____ %) per cent of all work completed. The entire amount of contract to be paid within _____ days after completion.

Any alteration or deviation from the above specifications involving extra cost of material or labor will only be executed upon written orders for same, and will become an extra charge over the sum mentioned in this contract. All agreements must be made in writing.

The contractor agrees to carry Workmen's Compensation and Public Liability Insurance, also to pay all Sales Taxes, Old Age Benefit and Unemployment Compensation Taxes upon the material and labor furnished under this contract, as required by the United States Government and the State in which this work is performed.

Respectfully submitted, Randy Thoene
Contractor

MILLER PAINTING INC.

By:

ACCEPTANCE

You are hereby authorized to furnish all materials and labor required to complete the work mentioned in the above proposal, for which the undersigned agrees to pay the amount mentioned in said proposal, and according to the terms thereof.

Date _____ 20 _____

12. Consideration of Designation of City Administrator Butcher as the Certified Individual to Review Sales and Use Tax Information - City Administrator Butcher

Designation/Revocation Certification

for Inspecting Sales and Use Tax Return Information

Name and Work Address of Certified Individual		Name and Address of Mayor or City Council President	
Name Greg Butcher		Name Joshua Eickmeier	
Work Address 537 Main Street, PO Box 38		Work Address 537 Main Street, PO Box 38	
City Seward, NE 68434	State NE 68434	City Seward, NE 68434	State NE 68434
Email Address	Phone Number 402-643-2928	Email Address	Phone Number 402-643-2928

Designation of a Certified Individual

I hereby **DESIGNATE** Greg Butcher, City Administrator (name, title) as the sole individual authorized by the municipality (city or village) of Seward to inspect confidential sales tax returns and sales tax return information regarding businesses that possess a sales tax permit and the amounts remitted by these permitholders at locations within the boundaries of the requesting municipality; and confidential business use tax returns and business use tax return information regarding businesses that file a Nebraska and Local Business Use Tax Return, Form 2, within the boundaries of the requesting municipality, as provided under [Neb. Rev. Stat. § 77-2711\(14\)](#).

Revocation of Authority of a Certified Individual

I hereby **REVOKE** the designation of _____ (name, title) as the sole individual authorized by the municipality (city or village) of _____ to inspect confidential sales tax returns and sales tax return information regarding businesses that possess a sales tax permit and the amounts remitted by these permitholders at locations within the boundaries of the requesting municipality; and confidential business use tax returns and business use tax return information regarding businesses that file a Nebraska and Local Business Use Tax Return, Form 2; and the amounts remitted by such taxpayers at locations within the boundaries of the requesting municipality.

sign
here



Signature of Mayor or City Council President

9/15/26

Date

Instructions

A municipality that has adopted a local sales tax under the Local Option Revenue Act may designate, by written certification, a single individual for purposes of inspecting confidential sales tax returns and sales tax return information regarding taxpayers that possess a sales tax permit and remit sales and use taxes at locations within the boundaries of the requesting municipality; and confidential business use tax returns and business use tax return information regarding taxpayers that file a Nebraska and Local Business Use Tax Return, Form 2, and the amounts remitted by such taxpayers at locations within the boundaries of the requesting municipality. The certified individual must be an employee of the municipality or an individual that has a contract with the municipality to provide financial, accounting, or other administrative services.

If the designee is not a municipal employee, the designee must attach a copy of a binding contract to provide financial, accounting, or other administrative services to the respective municipality. The certification must be signed by the mayor of the municipality, or the president of the city council for council/manager forms of municipal government. For council/manager forms of municipal government, please include a copy of the resolution approving this Designation/Revocation Certification.

Any municipal employee or other person who violates the confidentiality laws of the State may be guilty of a Class I misdemeanor and subject to other penalties as provided by law.

Mail original certification to: **Nebraska Department of Revenue, PO Box 94818, Lincoln, NE 68509-4818.**

Retain a copy for your records.

How to Request Sales and Use Tax Return Information

Neb. Rev. Stat. § 77-2711(14) (<http://nebraskalegislature.gov/laws/statutes.php?statute=77-2711>) allows a municipality to designate an individual to inspect: (1) confidential sales tax returns and return information of businesses that possess a sales tax permit and remit sales taxes for locations within the boundaries of the requesting municipality; or confidential business use tax returns and business use tax return information regarding businesses that file a  **Nebraska and Local Business Use Tax Return, Form 2** (/sites/revenue.nebraska.gov/files/doc/tax-forms/f_2.pdf); and (2) the amounts remitted by these taxpayers at locations within the boundaries of the requesting municipality. The following forms must be completed by the municipality for the Nebraska Department of Revenue (Department) to process a request to inspect tax return information.

 **Designation/Revocation Certification** (/sites/revenue.nebraska.gov/files/doc/tax-forms/Designation_Revocation_Certification.pdf)

A municipality that has adopted a local sales tax may designate, by written certification signed by the mayor, or the president of the city council for council/manager forms of municipal government, an individual to inspect confidential sales and use tax return information. For council/manager forms of municipal government, please include a copy of the city council resolution approving the designation or revocation certification.

 **Memorandum of Understanding for Sales Tax Return Information Inspection** (</sites/revenue.nebraska.gov/files/doc/tax-forms/MOU.pdf>)

A municipality must execute a Memorandum of Understanding (MOU) prior to inspecting records pursuant to **Neb. Rev. Stat. § 77-2711(14)** (<http://nebraskalegislature.gov/laws/statutes.php?statute=77-2711>). The MOU establishes the conditions of a municipality's right to inspect confidential sales and use tax return information and the Department's responsibilities to provide this information.

 Confidential Tax Information Agreement
(/sites/revenue.nebraska.gov/files/doc/tax-forms/Con_Tax_Info_Agree.pdf)

The certified individual must sign a Confidential Tax Information Agreement before submitting a request to inspect confidential return information.

 Municipal Government Request for Tax Return Information, Form 8796-AL
(/sites/revenue.nebraska.gov/files/doc/tax-forms/f_8796-al.pdf)

The certified individual must file Form 8796-AL before inspecting confidential sales and use tax return information. A municipality may request up to three years of sales and use tax return information for inspection.

For additional information regarding a request for tax return information, please contact Karen Barrett at 402-471-5980 or **karen.barrett@nebraska.gov** (**mailto:karen.barrett@nebraska.gov**).

CITY ADMINISTRATOR'S REPORT

CITY ADMINISTRATORS REPORT – 9/15/2026

The departments are working on the following projects to name a few:

- Monitoring a number of street projects including East Seward (final items), design on East Hillcrest, design of 5th and Bradford/Roberts Drainage, Design of Lindell and Jackson Reconstruction, construction of Worthmann Blvd extension.
- Water Tower project underway. Working on cellular installations, electric connections, fiber connections and demolition planning for old tower.
- Check in meeting with Building and Zoning Staff.
- NPPD Billable Demand Weekly Call.
- Held weekly Department Head Meetings.
- Worked on numerous Budget items with the Finance Director.
- Met with new SCCDP CEO Jordan Diedrich.
- Attended League of Nebraska Municipalities online meetings regarding the county form for disclosure of property tax ask utilized for emergency services (police, fire, EMS) along with York and Fremont.
- Attended County Commissioners Meeting to discuss a property/right of way maintenance issue on the edge of town in the County.
- Worked with Mayor on reappointments and new appointments for numerous boards and commissions.
- Held Seward Wellness Center – monthly leadership meeting.
- Met with Thomas Kayton (Arrowhead) on plans for Fairway Woods Development Phase 2 reviewing drainage and sidewalk items.
- Attended DARI bi-weekly trailer meeting for project updates along with various Department Heads.
- Met with Concordia University to review a long term softball field use agreement draft.
- Met with landowner and adjacent residents on proposed new driving range near August Dr.
- Had a doctor appointment on 9/4/26.
- Attended 7th Grade Football Game on 9/10/26.

Building Inspection/Planning Department

- Planning Commission – Code updates for October meeting.
- DARI LLC –Trailer on 9/16.
- Hughes Bros Galvanizing Project – discuss next phase of building.
- Fairway Woods – Tree removal to start on 9/9.
- Seward High School – continued conversations with school district about projects ongoing/designed.

City Clerk/Human Resources/City Hall

- EMC Loss Control Survey: Working with City Administrator on items for compliance.
- Police Department Building Damage Claim: Working with Chief, Insurance for information.
- Begin preparation for employee evaluations; open enrollment closes 9/9.

Civic Center

- Working on landscaping plan for remodeled entrance.
- Working on exit map and floor plan to be posted.

Electric Department

- De-Energize well bank at Concordia.
- Trench streetlight feed at Ironwood on 9/10.
- Extend house service to 1335 N 1st St.
- Set poles for 8th & Elm Street.

Engineering

- E Hillcrest Dr Project – comments for 90% design review
- Seward East Bridge – additional title reports for NEMA/FEMA
- DARI LLC – storm sewer outfall, Section 404 permit, meeting on 9/9.
- Temporary Treatment Project – influent wet well design, site layout, land acquisition.
- Downtown Water Tower Project – AT&T and T-Mobile Lease Agreements.
- Seward Recycling Center Project – cost estimates for two alternatives, recommendation.
- Metering Manhole – phase 1 installation ongoing; phase 2 procurement to begin.

Finance Department

- Claims.
- Utility collections and service orders.
- Final budget prep for approval by Council on 9/29.

Library

- Fall programs ongoing.
- Interviews for open positions.

Parks and Rec/Cemetery/Golf/Pool

- Prepare youth field for flag football on 9/12.
- Work on replacing east field scoreboard.
- Irrigation and ball field maintenance.

Police Department

- Firearms qualifications on 9/9.
- Priority 1 Focus Group (Comprehensive Juvenile Plan) on 9/8.
- Considering policy and ordinance for e-bike/scooters.

Street Department

- Work on alleys maintenance.
- Catching up on mowing due to recent rain.
- Interviews for vacant position.

Water/Wastewater Department

- Discuss department openings – Doug to retire on 9/25.
- RO Plant discussion on 9/10.
- Fix UV light, repair screens/auger, biosolids hauling, mowing/trimming.

Seward Wellness Center

- Youth Volleyball games begin week of 9/8.
- Youth Soccer fall season continues.
- Youth Tackle & Flag Football games begin 9/12 weekend.

**FUTURE REQUESTS FOR COUNCIL AGENDA ITEMS OR ADMINISTRATIVE ACTION
ANNOUNCEMENT OF UPCOMING EVENTS
MOTION TO ADJOURN**

I, Derek Bargmann, the duly appointed qualified and acting City Clerk of the City of Seward, Nebraska, hereby certify that the foregoing Notice of Meeting and Agenda for such meeting has been posted in the following places: Seward City Hall, Seward Memorial Library, and CityofSewardNE.gov

IN WITNESS WHEREOF, I have hereunto set my hand officially and affixed the seal of the City.

Derek Bargmann, City Clerk

Date