285 SE Inner Loop
Suite 110
Georgetown, TX 78626

TEL 512.485.0020
FAX 512.485.0021

www.GarverUSA.com

DATE: May 7, 2024

TO: Mr. Mike Wilson
Killeen-Fort Hood Regional Airport
8101 Clear Creek Rd, Box C
Killeen, Texas 76549

PROJECT: GRK Corporate Hangar Phase II
AIP # 3-48-0361-050-2022

DESCRIPTION OF CHANGES TO THE CONTRACT:

Change Order No. 003 makes the following changes, see attached for detailed terms of the change order.

A. Change includes increasing parking area necessary to support the functions of the building based on Owner input. Contractor shall construct the additional parking area per the attached Drawings.
B. Changes to complete additional hangar shell improvements including hangar perimeter wall finish and additional fire protection. Wall finish includes east wall and easter portions of north and south walls. Additional fire protection of the eastern 2,000 square feet of the hangar shell.

Justification:
These changes are to add additional paved parking area necessary to support the functions of the building based on Owner input and complete additional hangar shell improvements.

1)	Original Contract Sum	$	5,335,019.32
2)	Net Changes by previously approved Change Orders	$	330,261.49
3)	Current Contract Amount (1+2)	$	5,665,280.81
4)	Total Change Order No. 003	$	190,581.14
5)	New Contract Sum (3+4)	**$**	**5,855,861.95**
6)	Increase/Decrease to Contract Amount		+3.36%

7)	Original Contract Time	275 Calendar Days
	Net Time Changes by Previously Approved Change Orders	75 Calendar Days
	Time Extension For Change Order #003	45 Calendar Days
	New Contract Time	395 Calendar Days

Signature/Date: _____

Jacob Green, PE
Project Manager

Attachments: Construction Contract Change Order No. 3

GARVER
285 SE Inner Loop
Suite 110
Georgetown, TX 78626
TEL 512.485.0020
FAX 512.485.0021
www.GarverUSA.com

Construction Contract Change Order

Project:
GRK Corporate Hangar Phase II City of Killeen Bid No. 23-06
Killeen-Fort Hood Regional Airpc FAA AIP No. 3-48-0361-050-2022
Garver Project No. 21A06081

Change Order No. 3

Date Prepared: April 29, 2024
Prepared by: Jacob Green, PE

Owner:
City of Killeen
8101 Clear Creek Rd, Box C
Killeen, Texas 76549

Contractor:
National American Services Corp (NASCO)
53285 Silver Valley Road
Kellogg, ID 83837

Description of Work Included in Contract
The construction of a new hangar building with office space along with access road, utility services, and associated improvements. Items of work include site work, construction of hangar building, interior office framing and finish out, 2nd floor structure over office space for future expansion, installation of hangar bay wet pipe sprinkler system, and hangar bay extension.

Changes and Reasons Ordered (List Individual Changes as: A, B, C, D, etc.)

A. Change includes increasing parking area necessary to support the functions of the building based on Owner input. Contractor shall construct the additional parking area per the attached Drawings. Note, engineer may provide contractor with revised and finalized design sheets. Contractor shall notify engineer a minimum of 4 weeks prior to affected work to allow engineer a minimum of 2 weeks to provide finalized drawings ahead of Contractor layout/staking.

B. Changes to complete additional hangar shell improvements including hangar perimeter wall finish and additonal fire protection. Wall finish includes east wall and eastern portions of north and south walls. Additional fire protection of the eastern 2,000 square feet of the hangar shell.

Attachments: Drawings

Contract Changes	Bid Item No.	Spec No.	Bid Item Description	Unit of Measure	Current Contract Quantity	Contract Unit Price	Revised Contract Quantity	Revised Unit Price	Original Contract Cost	Revised Contract Cost	Net Cost for this Change Order
A.	A-CO3-01	-	Adjust Existing Water Valve Box to New Grade	LS	0	$0.00	1	$2,272.02	$0.00	$2,272.02	$2,272.02
A.	A-CO3-02	-	Contractor's Liability Insurance, Builders Risk, and Payment and Performance Bonds	LS	0	$0.00	1	$4,938.10	$0.00	$4,938.10	$4,938.10
A.	A-CO3-03	-	Sawcut Existing Asphalt at Tie In	LS	0	$0.00	1	$598.65	$0.00	$598.65	$598.65
A.	A-1	SS-212-5.1	Biaxial Geogrid	SY	2180	$32.55	3,250	$32.55	$70,959.00	$105,787.50	$34,828.50
A.	A-7	SS-300-5.5	Traffic-Rated, Precast Concrete Handhole, Interior Dimensions 30"L x 17"W x 24"D, Installed	EACH	3	$3,024.36	4	$3,024.36	$9,073.08	$12,097.44	$3,024.36
A.	A-17	SS-301-5.1	Existing Base Mounted Edge Light, Removed	EACH	5	$497.83	6	$497.83	$2,489.15	$2,986.98	$497.83
A.	A-21	C-102.5.1	Temporary Erosion Control	LS	1	$5,510.86	1	$6,726.58	$5,510.86	$6,726.58	$1,215.72
A.	A-23	F-162-5.1	Chain-Link Fence	LF	860	$68.73	885	$68.73	$59,107.80	$60,826.05	$1,718.25
A.	A-27	P-152-4.1	Unclassified Excavation	CY	100	$22.04	214	$22.04	$2,204.00	$4,716.56	$2,512.56
A.	A-31	P-610-6.1	Landside Concrete Pavement	S.Y.	250	$236.65	365	$236.65	$59,162.50	$86,377.25	$27,214.75
A.	A-32	P-620-5.1	Pavement Markings	S.F	1100	$2.20	1250	$2.20	$2,420.00	$2,750.00	$330.00
A.	A-33	P-620-5.2	Pre-Cast Concrete Curb Stops	EACH	10	$99.20	38	$99.20	$992.00	$3,769.60	$2,777.60
A.	A-48	TX247-6.1	Flexible Base (Complete in Place) Type D, Grade 1-2, 12 IN. Thickness	SY	2140	$18.36	3250	$18.36	$39,290.40	$59,670.00	$20,379.60
A.	A-49	TX340-6.1	Hot-Mix Asphalt Type D PG 64-22	TON	360	$157.06	580	$157.06	$56,541.60	$91,094.80	$34,553.20
B.	B-CO3-04	-	Hangar Perimeter Wall Improvements	LS	0	$0.00	1	$30,766.00	$0.00	$30,766.00	$30,766.00
B.	B-CO3-05	-	Additional Hangar Roof Fire Sprinkler	LS	0	$0.00	1	$22,954.00	$0.00	$22,954.00	$22,954.00
								Summation of Cost	**$307,750.39**	**$498,331.53**	**$190,581.14**

Estimated Project Cost

	Estimated Project Cost
Original Contract Amount	**$5,335,019.32**
Previously Approved Changes	**$330,261.49**
This Change Order	**$190,581.14**
New Contract Amount	**$5,855,861.95**

Time Change

Contract Start Date	July 24, 2023
Original Contract Time (calendar days)	275
Previously Approved Changes (calendar days)	75
Additional Contract Time This Change Order (calendar days)	45
Suspended Time (calendar days)	
New Construction Completion Date	August 22, 2024

THIS AGREEMENT IS SUBJECT TO ALL ORIGINAL CONTRACT PROVISIONS AND PREVIOUS CHANGE ORDERS

ISSUED FOR REASONS INDICATED ABOVE
Engineer: Garver

Engineer's Signature — Title: Project Manager — Date: 05/07/2024

ACCEPTED BY CONTRACTOR

Don Dye — Digitally signed by Don Dye
DN: OU=NASCO, O=NASCO, CN="Don Dye ", E=donjdye@nascousa.com
Reason: I am the author of this document
Location:
Date: 2024.05.08 10:33:14-05'00'
Foxit PDF Editor Version: 12.1.2

Contractor's Signature — Title: Regional Operations Manager — Date: 05/08/2024

APPROVED BY OWNER

Kent Cagle — Owner's Signature — Title: City Manager — Date:

SHEET INDEX

SHEET NO.	DRAWING NO.	SHEET TITLE
		GENERAL
1	GI-001	COVER SHEET
2	GI-002	SHEET INDEX
3	GI-003	SUMMARY OF QUANTITIES
4	GI-004	GENERAL NOTES
5	GI-101	PROJECT LAYOUT PLAN
6	GI-201	SURVEY CONTROL PLAN
7	GI-202	SURVEYED CONDITIONS
8	GI-203	EXHIBIT-A PROPERTY MAP
9	GC-001	CONSTRUCTION SAFETY AND PHASING NOTES I
10	GC-002	CONSTRUCTION SAFETY AND PHASING NOTES II
11	GC-101	CONSTRUCTION SAFETY AND PHASING PLAN
12	GC-501	CONSTRUCTION SAFETY DETAILS I
13	GC-502	CONSTRUCTION SAFETY DETAILS II
		CIVIL
14	CE-001	EROSION CONTROL NOTES I
15	CE-002	EROSION CONTROL NOTES II
16	CE-101	EROSION CONTROL PLAN
17	CE-501	EROSION CONTROL DETAILS I
18	CE-502	EROSION CONTROL DETAILS II
19	CD-101	DEMOLITION PLAN
20	CU-101	SITE UTILITY PLAN
21	CU-201	WATER - PLAN AND PROFILE
22	CU-202	SANITARY SEWER - PLAN AND PROFILE
23	CU-501	UTILITY DETAILS I
24	CU-502	UTILITY DETAILS II
25	CU-503	UTILITY DETAILS III
26	CU-504	UTILITY DETAILS IV
27	CU-505	UTILITY DETAILS V
28	CP-101	SITE LAYOUT PLAN
29	CP-102	SITE GRADING PLAN
30	CP-103	ENLARGED GRADING PLAN
31	CP-104	GRINDER PUMP ACCESS ROAD SITE PLAN
32	CP-105	GRINDER PUMP ACCESS ROAD GRADING PLAN
33	CP-106	ENLARGED GRADING PLAN II
34	CP-501	TYPICAL SECTIONS
35	CP-502	DUMPSTER PAD DETAIL
36	CJ-101	JOINT LAYOUT PLAN
37	CJ-501	JOINT DETAILS
38	CM-101	PAVEMENT MARKING PLAN
39	CM-501	PAVEMENT MARKING DETAILS
40	CF-101	FENCING PLAN
41	CF-501	FENCING DETAILS I
42	*CF-502*	*FENCING DETAILS II*
		STRUCTURAL
43	S-001	STRUCTURAL GENERAL NOTES
44	S-101	FOUNDATION PLAN
45	S-201	ALTERNATE NO. 2 FOUNDATION AND SECOND FLOOR FRAMING PLANS
46	S-301	TYPICAL FOUNDATION DETAILS
47	S-302	FOUNDATION SECTIONS AND DETAILS
48	S-303	FOUNDATION SECTIONS AND DETAILS
49	S-304	FOUNDATION SECTIONS AND DETAILS
		50
		ARCHITECTURAL
51	A-001	ARCHITECTURAL GENERAL NOTES
52	A-002	ACCESSIBILITY STANDARD DETAILS
53	A-101	FIRST LEVEL PLAN
54	A-102	ROOF PLAN
55	A-103	REFLECTED CEILING PLAN
56	A-201	BUILDING EXTERIOR ELEVATIONS
57	A-202	BUILDING EXTERIOR ELEVATIONS
58	A-301	BUILDING SECTIONS
59	A-302	WALL SECTIONS
60	A-303	WALL SECTIONS
61	A-304	WALL SECTIONS
62	A-401	ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS
63	A-402	ENLARGED INTERIOR ELEVATIONS
64	A-403	MILLWORK SECTIONS
65	A-501	ENLARGED PLAN DETAILS
66	A-502	ENLARGED SECTION DETAILS
67	A-503	ENLARGED ROOF DETAILS
68	A-504	HANGAR DOOR DETAILS
69	A-601	PARTITION SCHEDULE
70	A-602	DOOR SCHEDULE AND DOOR/FRAME AND WINDOW TYPES
71	A-603	DOOR DETAILS
72	A-604	DOOR DETAILS
73	A-605	WINDOW DETAILS
74	A-606	ROOM FINISH SCHEDULE
75	A-607	SIGNAGE PLAN
		76
		LIFE SAFETY
77	FS-101	CODE ANALYSIS
		78
		FIRE ALARM
79	FA-001	FIRE ALARM NOTES AND MATRIX
80	*FA-002*	*FIRE ALARM TYPICAL DEVICE MOUNTING HEIGHTS*
		FIRE SUPPRESSION
81	FX-101	FIRE SUPPRESSION HAZARD CLASSIFICATION PLAN
82	*FX-501*	*FIRE SUPPRESSION DETAILS*
		PLUMBING
83	P-001	PLUMBING LEGEND AND GENERAL NOTES
84	P-101	SANITARY SEWER INSTALLATION PLAN
85	P-102	DOMESTIC WATER, NATURAL GAS AND COMPRESSED AIR INSTALLATION PLAN
86	P-501	PLUMBING DETAILS I
87	P-502	PLUMBING DETAILS II
88	P-503	PLUMBING DETAILS III
89	P-601	PLUMBING SCHEDULES
90	P-602	SANITARY SEWER RISER DIAGRAM
		91
		MECHANICAL
92	M-001	MECHANICAL LEGENDS AND GENERAL NOTES
93	M-101	HVAC INSTALLATION PLAN
94	M-501	MECHANICAL DETAILS I
95	M-502	MECHANICAL DETAILS II
96	*M-601*	*MECHANICAL SCHEDULES AND SEQUENCE OF OPERATIONS*
		ELECTRICAL
97	E-001	ELECTRICAL LEGENDS AND GENERAL NOTES
98	ED-101	SITE ELECTRICAL REMOVAL PLAN
99	ES-101	SITE ELECTRICAL INSTALLATION PLAN
100	E-101	ELECTRICAL INSTALLATION PLAN I
101	E-102	ELECTRICAL INSTALLATION PLAN II
102	E-103	LIGHTING INSTALLATION PLAN I
103	E-104	LIGHTING INSTALLATION PLAN II
104	E-105	SECURITY INSTALLATION PLAN
105	E-400	LIGHTING SCHEDULES
106	E-401	ELECTRICAL RISER DIAGRAM
107	E-402	PANEL SCHEDULES
108	E-501	ELECTRICAL DETAILS I
109	E-502	ELECTRICAL DETAILS II
110	E-503	ELECTRICAL DETAILS III
111	E-504	ELECTRICAL DETAILS IV
112	E-505	ELECTRICAL DETAILS V
113	E-506	ELECTRICAL DETAILS VI
114	E-507	ELECTRICAL DETAILS VII
115	E-508	ELECTRICAL DETAILS VIII
113	E-507	ELECTRICAL DETAILS VII
114	E-508	ELECTRICAL DETAILS VIII

1

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REV.	DATE	DESCRIPTION	BY
-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	5/6/24	C.1.0.3 - ADDITIONAL PARKING	JCG

Killeen - Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

SHEET INDEX

JOB NO.: 21A06081
DATE: FEB. 2023
DESIGNED BY: DWM
DRAWN BY: JCG

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GI-002

SHEET NUMBER **2**

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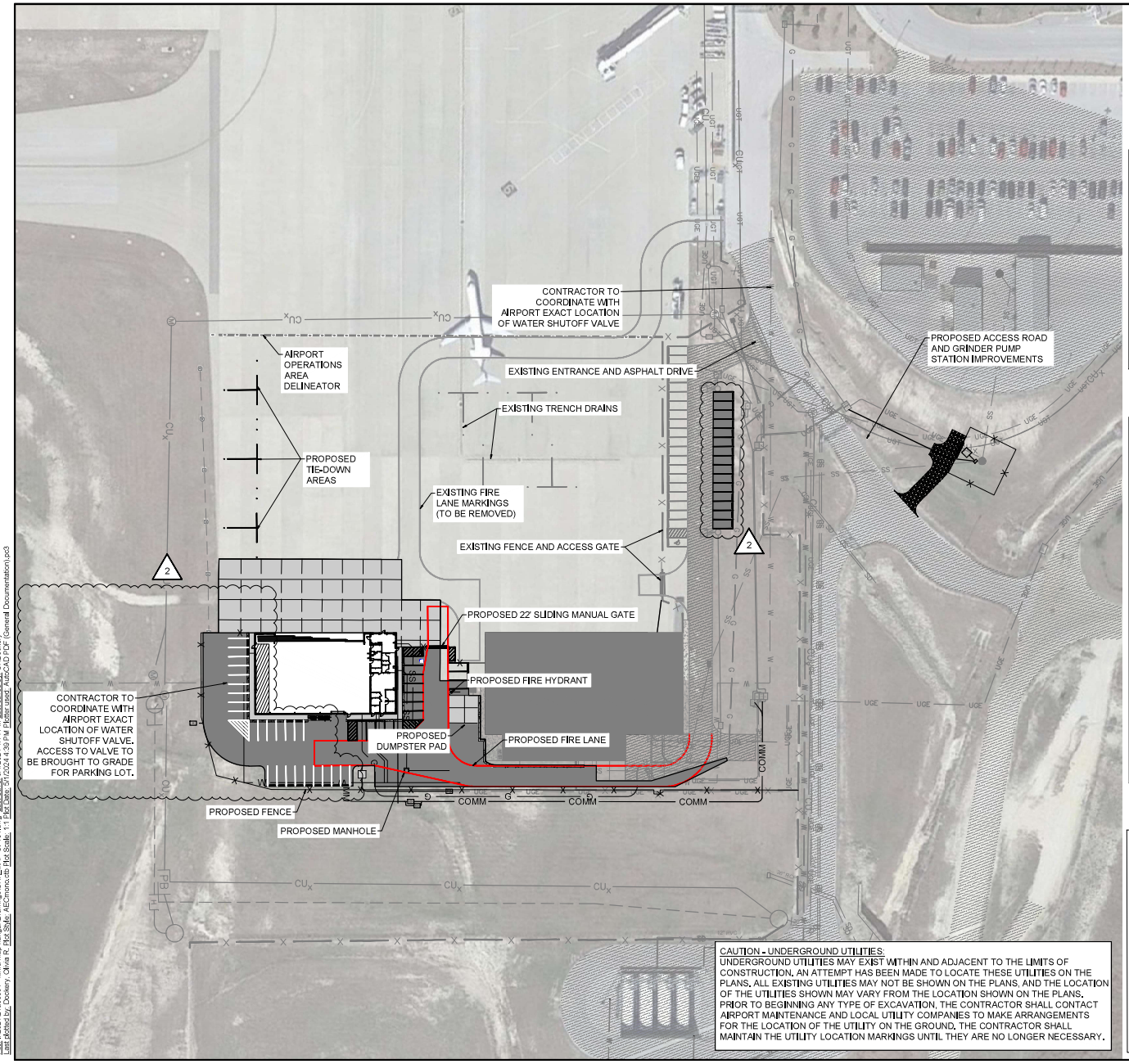

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811 Know what's below. Call before you dig.

(IN FEET)

LEGEND

EXISTING ASPHALT PAVEMENT	PROPOSED ASPHALT PAVEMENT
EXISTING CONCRETE PAVEMENT	PROPOSED CONCRETE PAVEMENT
CONCRETE APRON PAVEMENT REMOVAL	W — PROPOSED WATERLINE
UPDATED FIRE LANE MARKING	G — PROPOSED GAS LINE
X — PROPOSED FENCE	SS — PROPOSED SANITARY SEWER
X — EXISTING FENCE	UGE — PROPOSED ELECTRICAL LINE
PROPOSED SANITARY SEWER MANHOLE	ADDITIVE ALTERNATE 4 SEE ITEMS OF WORK NOTE 6.1

ITEMS OF WORK

1. BASE BID SCHEDULE A: SITE CIVIL IMPROVEMENTS
   1.1. THIS BID SCHEDULE INCLUDES ALL SITE IMPROVEMENTS INCLUDING UTILITY SERVICES UP TO 5 FEET FROM THE FOOTPRINT OF THE BUILDING. SERVICE CONNECTIONS FROM THE BUILDING TO MAIN-LINES WILL NOT BE MEASURED OR PAID SEPARATELY BUT WILL BE INCIDENTAL.
2. BASE BID SCHEDULE B: HANGAR
   2.1. THIS BID SCHEDULE INCLUDES CONSTRUCTING THE HANGAR SHELL AS SHOWN IN THE PLANS, INCLUDING ALL HANGAR BAY INTERIOR FINISHES AND FIXTURES, UTILITIES FROM THE MAIN-LINE TO THE STRUCTURE, INCLUDING UNDERSLAB UTILITIES FOR FUTURE OFFICE FINISH OUT AND OTHER IMPROVEMENTS UP TO 5 FEET OUTSIDE THE BUILDING FOOTPRINT INCLUDING EXTERIOR WALL GYPSUM BOARD AND GLAZING AND DOORS. .
3. BASE BID SCHEDULE C: OFFICES INTERIOR FRAMING AND FINISH OUT
   3.1. THIS BID SCHEDULE INCLUDES CONSTRUCTING THE INTERIOR FRAMING AND INTERIOR FINISH OUT OF THE OFFICE SPACE COMPLETELY AS SHOWN IN THE PLANS, INCLUDING THE FIRE RATED WALL BETWEEN THE HANGAR AND THE OFFICE BUILDING.
4. ADDITIVE ALTERNATE 1: GRINDER PUMP STATION IMPROVEMENTS
   4.1. THIS ADDITIVE ALTERNATE INCLUDES CONSTRUCTING ACCESS ROAD, FENCING AND ELECTRICAL COMPONENTS FOR THE EXISTING GRINDER PUMP.
5. ADDITIVE ALTERNATE 2: STRUCTURAL SECOND FLOOR
   5.1. THIS ADDITIVE ALTERNATE INCLUDES CONSTRUCTING ALL STRUCTURAL ELEMENTS AS SHOWN IN THE PLANS FOR THE PROPOSED SECOND FLOOR.
6. ADDITIVE ALTERNATE 3: WET PIPE SPRINKLER SYSTEM
   6.1. THIS ADDITIVE ALTERNATE INCLUDES THE INSTALLATION OF A WET PIPE SPRINKLER SYSTEM IN THE HANGAR BAY AND OFFICE SPACE.
7. ADDITIVE ALTERNATE 4: HANGAR BAY EXTENSION
   7.1. THIS ADDITIVE ALTERNATE INCLUDES EXTENDING THE HANGAR BAY TO THE WEST AS SHOWN IN THE PLANS.

GENERAL NOTES

1. CONTRACTOR SHALL SUBMIT ALL MATERIALS AND CONSTRUCTION ITEMS TO THE ENGINEER FOR REVIEW 14 DAYS PRIOR TO PLACING THE MATERIALS OR INSTALLING THE ITEMS.
2. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING ABOVE GROUND AND BELOW GROUND UTILITIES, STORM DRAINS, AND DRAINAGE STRUCTURES PRIOR TO COMMENCING CONSTRUCTION.
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING ALL UTILITIES AND PROTECTING THEM. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE UTILITIES AND SHALL BE RESPONSIBLE FOR REPAIRING ANY UTILITIES DAMAGED DURING CONSTRUCTION AT NO ADDITION AL COST TO THE UTILITY OWNER OR AIRPORT AND TO THE OWNERS SATISFACTION.
4. SEE ARCHITECTURAL DRAWINGS FOR ACTUAL BUILDING DIMENSIONS, DIMENSIONS SHOWN HERE FOR BUILDING ARE APPROXIMATE

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REV.	DATE	DESCRIPTION	BY
-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	4/16/24	FIELD DIRECTIVE 2 - ADDITIONAL APRON PAVING	JCG
2	5/6/24	C.0.3 - ADDITIONAL PARKING	JCG

Killeen - Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

PROJECT LAYOUT PLAN

JOB NO.: 21A06081
DATE: FEB. 2023
DESIGNED BY: DWM
DRAWN BY: JCG

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DRAWING NUMBER
GI-101

SHEET NUMBER 5

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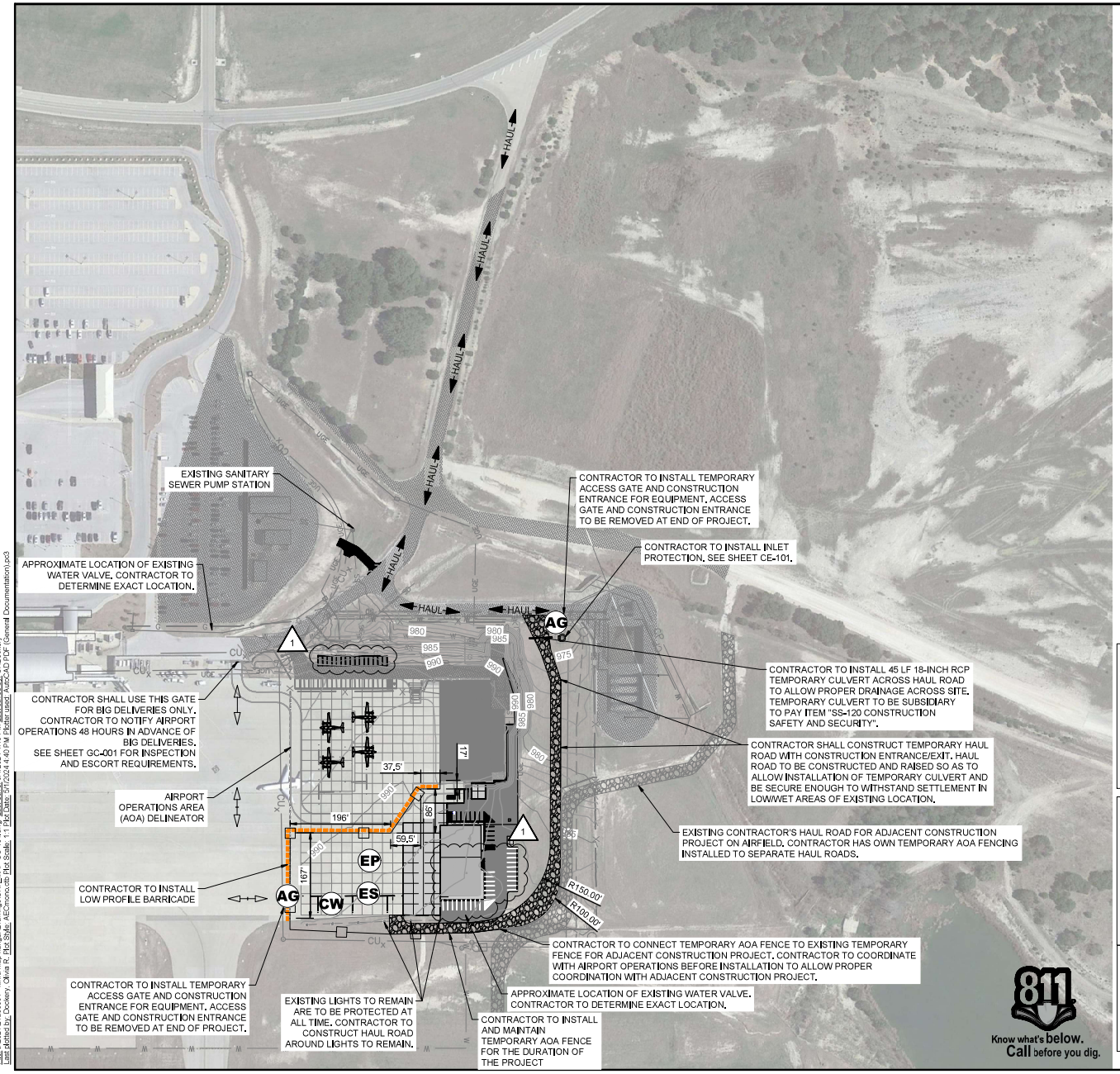

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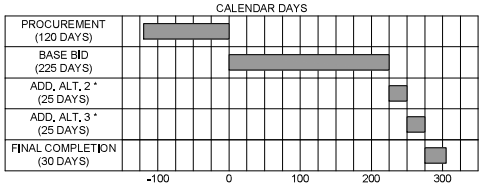
(IN FEET)

LEGEND

	LIGHTED BARRICADE	AG	TEMPORARY ACCESS GATE
	TEMPORARY CONSTRUCTION FENCE	ES	EQUIPMENT STORAGE
x	EXISTING AOA FENCE	EP	EMPLOYEE PARKING
HAUL	CONTRACTOR ROUTE	CW	CONCRETE WASHOUT CITY OF KILLEEN DETAIL, SHEET CE-501
	BIG DELIVERIES ROUTE		TEMPORARY HAUL ROAD

CONTRACT TIME

CALENDAR DAYS



NOTE:

* IF THE RESPECTIVE ADDITIVE ALTERNATES ARE AWARDED, CALENDAR DAYS SHOWN WILL INCREASE THE CONTRACT TIME BY THE INDICATED AMOUNT.

1. LIQUIDATION DAMAGES SHALL BE SET AS DETAILED IN THE SPECIAL PROVISION FOR EACH DAY CONSTRUCTION TIME GOES OVER THE ALLOTED CONTRACT TIME ($1,500).

SEQUENCE OF CONSTRUCTION

1. PRIOR TO WORK, INSTALL TEMPORARY AIRPORT OPERATIONS FENCE (AOA). CONTRACTOR SHALL HAVE AT LEAST ONE BADGED INDIVIDUAL TO PERFORM ESCORT FOR CREW INSTALLING TEMPORARY FENCE.
2. DO NOT APPLY PAVEMENT MARKINGS UNTIL ALL PAVEMENT WORK IS COMPLETE.
3. ONCE CONSTRUCTION HAS BEEN COMPLETED, REMOVE TEMPORARY AOA FENCING.

GENERAL NOTES

1. PRIOR TO OPENING TO AIRCRAFT OPERATIONS THE APRON SHALL BE CLEANED AND FREE FROM ALL FOD RESULTING FROM CONSTRUCTION OPERATIONS.
2. CONTRACTOR REQUIRED TO KEEP ACTIVE APRON CLEAN AND CLEAR OF ALL FOD.
3. CONTRACTOR TO OBTAIN FORT HOOD DIG PERMIT PRIOR TO ANY EXCAVATION OR GROUND PENETRATION WHICH INCLUDES SETTING SURVEY STAKES. SEE SHEET GI-004 FOR DIG PERMIT PROCESS.

CAUTION - UNDERGROUND UTILITIES:
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REV.	DATE	DESCRIPTION	BY
-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	5/6/24	C.0.3 - ADDITIONAL PARKING	JCG

Killeen - Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

CONSTRUCTION SAFETY AND PHASING PLAN

JOB NO.: 21A06081
DATE: FEB. 2023
DESIGNED BY: DWM
DRAWN BY: JCG

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
GC-101

SHEET NUMBER 11

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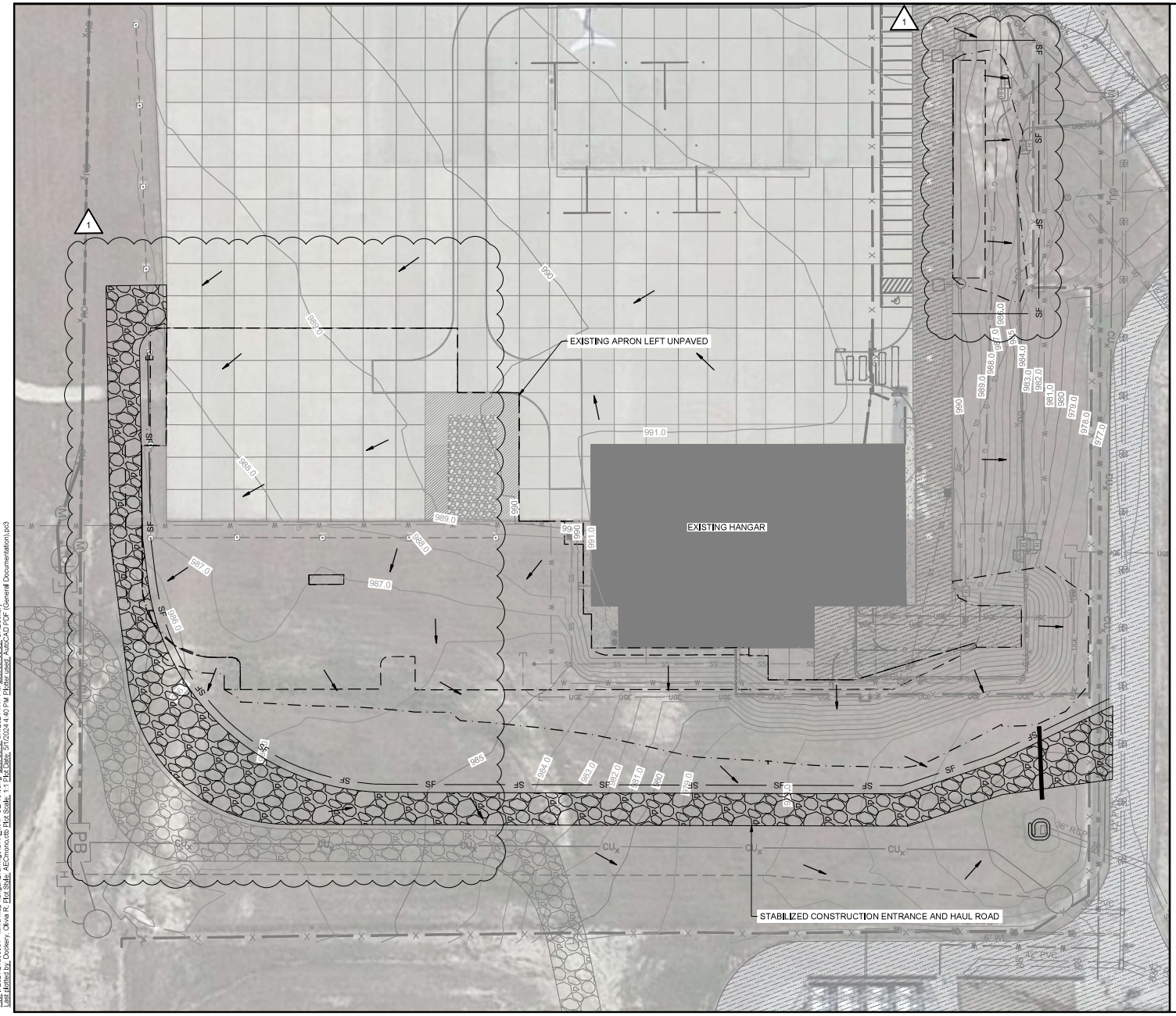

0 15' 30' 60' 90'
(IN FEET)

LEGEND

- EXISTING CONCRETE PAVEMENT
- PROPOSED PAVEMENT LIMITS
- XXX — EXISTING CONTOUR
- EXISTING DRAINAGE STRUCTURE
- EXISTING STORM DRAIN PIPE
- ESTIMATED LIMITS OF DISTURBANCE
- STORMWATER FLOW DIRECTION
- EROSION CONTROL LOG (1 / CE-502)
- SF — SLOPE PROTECTION - SILT FENCE (3 / CE-502)
- INLET PROTECTION (2 / CE-502)
- STABILIZED CONSTRUCTION ENTRANCE. SEE SHEET COK DETAILS, SHEET CE-501.

TOTAL DISTURBED AREA = 0.91 ACRES

NOTES:

1. THE TEMPORARY EROSION CONTROL MEASURES SHOWN ON THE PLANS REPRESENT THE ENGINEER'S ESTIMATE OF THE MINIMUM EFFORT NEEDED TO MAINTAIN PROPER EROSION CONTROL DURING CONSTRUCTION. ADDITIONAL MEASURES MAY BE REQUIRED DURING CONSTRUCTION. INSTALLATION OF ADDITIONAL DEVICES SHALL NOT BE MEASURED FOR SEPARATE PAYMENT BUT WILL BE SUBSIDIARY TO ITEM C-102.
2. SEE SHEETS CE-501 AND CE-502 FOR EROSION CONTROL DETAILS. THE SYMBOLS SHOWN IN THIS SHEET REPRESENT EROSION CONTROL DEVICES FOUND IN THE EROSION CONTROL DETAIL SHEET. THE SYMBOLS ARE NOT TO SCALE AND REPRESENT THE GENERAL LOCATION TO WHICH THE DEVICES SHALL BE PLACED.
3. EROSION AND SEDIMENT CONTROL FEATURES SHALL BE PLACED PRIOR TO THE START OF EXCAVATION OPERATIONS.
4. SEE SHEET GC-101 FOR APPROXIMATE LOCATION FOR CONCRETE WASHOUT. SEE CITY OF KILLEEN DETAIL, SHEET CE-501.

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REV.	DATE	DESCRIPTION	BY
-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	5/6/24	C.1.0.3 - ADDITIONAL PARKING	JCG

Killeen - Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

EROSION CONTROL PLAN

JOB NO.: 21A06081
DATE: FEB. 2023
DESIGNED BY: DWM
DRAWN BY: JCG

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
CE-101

SHEET NUMBER **16**

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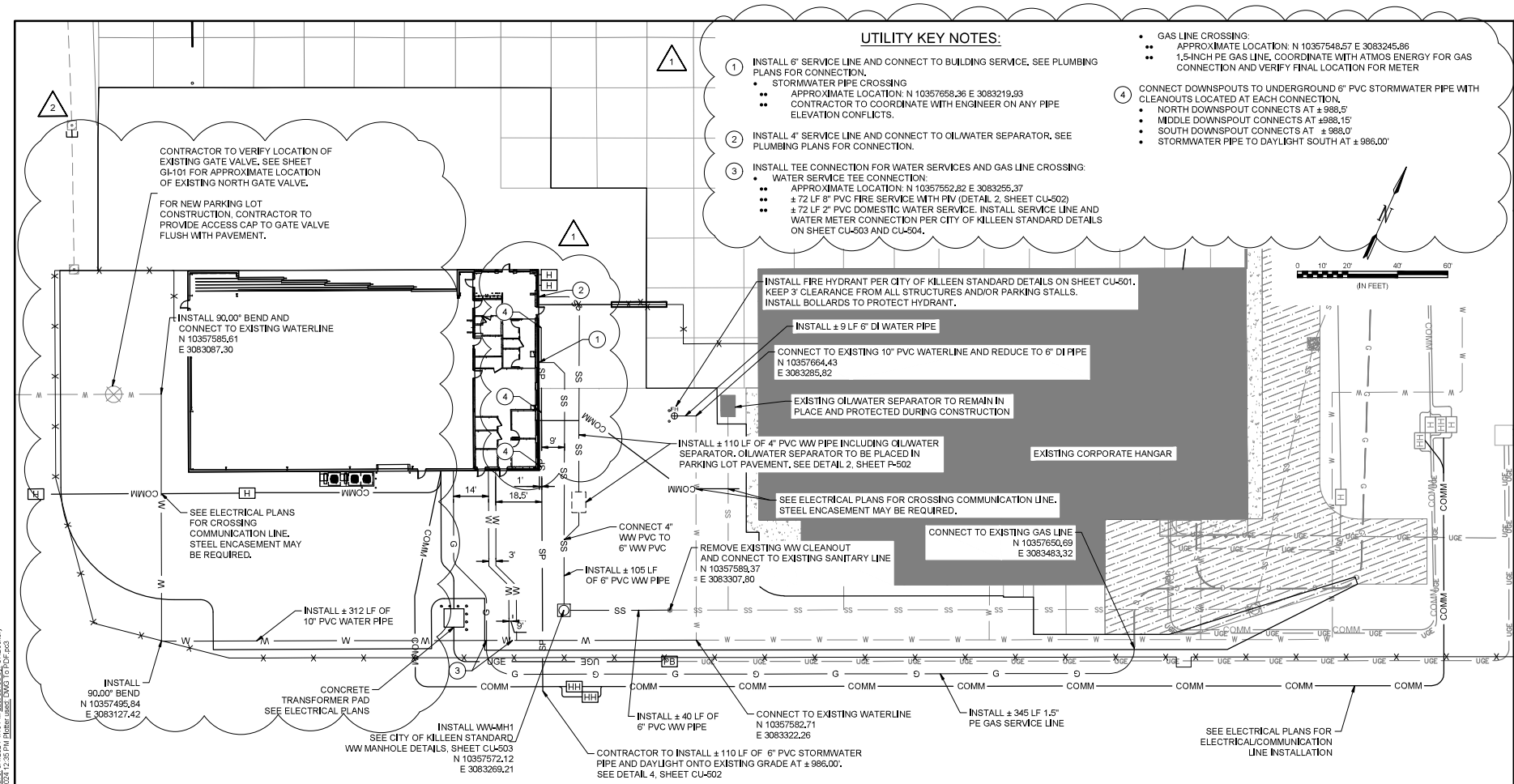
Last plotted by: Dockery, Olivia R. Plot Style: AECmono.ctb Plot Scale: 1:1 Plot Date: 5/1/2024 4:40 PM Plotter used: AutoCAD PDF (General Documentation).pc3



UTILITY KEY NOTES:

1. INSTALL 6" SERVICE LINE AND CONNECT TO BUILDING SERVICE. SEE PLUMBING PLANS FOR CONNECTION.
   - STORMWATER PIPE CROSSING
     - APPROXIMATE LOCATION: N 10357658.36 E 3083219.93
     - CONTRACTOR TO COORDINATE WITH ENGINEER ON ANY PIPE ELEVATION CONFLICTS.
2. INSTALL 4" SERVICE LINE AND CONNECT TO OIL/WATER SEPARATOR. SEE PLUMBING PLANS FOR CONNECTION.
3. INSTALL TEE CONNECTION FOR WATER SERVICES AND GAS LINE CROSSING:
   - WATER SERVICE TEE CONNECTION:
     - APPROXIMATE LOCATION: N 10357552.82 E 3083255.37
     - ± 72 LF 8" PVC FIRE SERVICE WITH PIV (DETAIL 2, SHEET CU-502)
     - ± 72 LF 2" PVC DOMESTIC WATER SERVICE. INSTALL SERVICE LINE AND WATER METER CONNECTION PER CITY OF KILLEEN STANDARD DETAILS ON SHEET CU-503 AND CU-504.
   - GAS LINE CROSSING:
     - APPROXIMATE LOCATION: N 10357548.57 E 3083245.86
     - 1.5-INCH PE GAS LINE. COORDINATE WITH ATMOS ENERGY FOR GAS CONNECTION AND VERIFY FINAL LOCATION FOR METER
4. CONNECT DOWNSPOUTS TO UNDERGROUND 6" PVC STORMWATER PIPE WITH CLEANOUTS LOCATED AT EACH CONNECTION.
   - NORTH DOWNSPOUT CONNECTS AT ± 988.5'
   - MIDDLE DOWNSPOUT CONNECTS AT ±988.15'
   - SOUTH DOWNSPOUT CONNECTS AT ± 988.0'
   - STORMWATER PIPE TO DAYLIGHT SOUTH AT ± 986.00'

UTILITY NOTES

1. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING ABOVE GROUND AND BELOW GROUND UTILITIES, STORM DRAINS, AND DRAINAGE STRUCTURES THAT ARE WITHIN THE PROPOSED PROJECT LIMITS PRIOR TO COMMENCING CONSTRUCTION.
2. CONTRACTOR SHALL POTHOLE KNOWN UTILITIES IN THE VICINITY OF PROPOSED UTILITIES AND CONTRACTOR TO LOCATE ANY UTILITIES THAT MAY CONFLICT WITH THE PROPOSED UTILITIES PRIOR TO INSTALLING ANY NEW UTILITIES. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES AND ALLOW FOR DESIGN MODIFICATION IN THE EVENT THERE ARE CONFLICTS. ALTERNATE ROUTING OF PROPOSED UTILITIES, BOTH HORIZONTALLY AND VERTICALLY ARE ANTICIPATED AND NO ADDITIONAL PAYMENT WILL BE MADE (BEYOND UNIT PRICE QUANTITIES FOR ADDITIONAL LENGTHS OF PIPES OR ADDITIONAL STRUCTURES NEEDED) FOR MODIFYING THE PROPOSED WORK DUE TO DIFFERING SITE CONDITIONS OR UTILITIES NOT SHOWN IN THE PLANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING ALL UTILITIES AND PROTECTING THEM. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE UTILITIES AND SHALL BE RESPONSIBLE FOR REPAIRING ANY UTILITIES DAMAGED DURING CONSTRUCTION AT NO ADDITION AL COST TO THE UTILITY OWNER OR AIRPORT AND TO THE OWNERS SATISFACTION.
3. CONTRACTOR SHALL MAINTAIN REQUIRED CLEARANCED BETWEEN SANITARY SEWER AND WATER LINES ACCORDING TO TEXAS ADMINISTRATIVE CODE TITLE 30 PART 1 CHAPTER 317.
4. SEE BUILDING PLUMBING PLANS FOR WATER AND SANITARY CONNECTIONS.
5. ALL WATER BENDS/ELBOWS/TEES SHALL INCLUDE APPROPRIATE THRUST BLOCKS PER COK STANDARDS. ALL BENDS/ELBOWS/TEES SHALL INCLUDE CLEANOUTS.
6. ALL UTILITIES INSTALLED SHALL MEET APPLICABLE CITY OF KILLEEN STANDARDS.
7. *MEASUREMENT AND PAYMENT NOTE: ALL MEASURED AND PAID QUANTITIES WILL BE THE 2 DIMENSIONAL HORIZONTAL DISTANCE FROM CENTER TO CENTER OF UTILITY STRUCTURES OR TO 5 FEET FROM BUILDINGS. NO ADDITIONAL PAYMENT WILL BE MADE FOR ADDITIONAL LENGTH REQUIRED FOR UNDULATIONS, VERTICAL DEFLECTIONS, ETC.*
8. ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE.
9. MAINTAIN NECESSARY COVER AND CLEARANCES AS NECESSARY FOR ALL UTILITIES.
10. INSTALL GAS LINE PER MANUFACTURERS SPECIFICATIONS, DO NOT OVERBEND PE PIPE.
11. COORDINATE WITH ATMOS ENERGY TO INSTALL NEW GAS METER AND FOR CONNECTION SERVICE.
12. ALL GAS LINE INSTALLATION SHALL BE DONE BY LICENSED PLUMBER WITH QUALIFIED EXPERIENCE WITH ATMOS ENERGY.

LEGEND

—UGE—	EXISTING UNDERGROUND ELECTRICAL LINES
—COMM—	EXISTING UNDERGROUND COMM LINES
—G—	EXISTING GAS SERVICE LINE, 1.5" PE
—SS—	EXISTING SANITARY SEWER LINE
—W—	EXISTING WATERLINE
⊗	EXISTING GATE VALVE
—UGE— —COMM—	PROPOSED ELEC/COMM UTILITY, SHOWN FOR REFERENCE ONLY, SEE ELECTRICAL SITE PLANS
—X—	EXISTING FENCELINE WITH CONCRETE SECURITY PAD ALONG LENGTH. WHEN INSTALLING UTILITIES THROUGH FENCELINE, CONTRACTOR SHALL EITHER PROTECT FENCE AND PAD OR RESTORE TO PREVIOUS OR BETTER CONDITION AFTER CONSTRUCTION.
—X—	PROPOSED FENCE
—W—	PROPOSED WATER LINE
—SS—	PROPOSED SANITARY SEWER LINE
—G—	PROPOSED GAS SERVICE LINE
—SP—	PROPOSED STORMWATER LINE

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REV.	DATE	DESCRIPTION	BY
-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	9/6/23	FIELD DIRECTIVE 1	JCG
2	5/6/24	C.O.3 - ADDITIONAL PARKING	JCG

Killeen Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

SITE UTILITY PLAN

JOB NO.: 21A06081
DATE: FEB. 2023
DESIGNED BY: DWM
DRAWN BY: JCG

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
CU-101

SHEET NUMBER **20**

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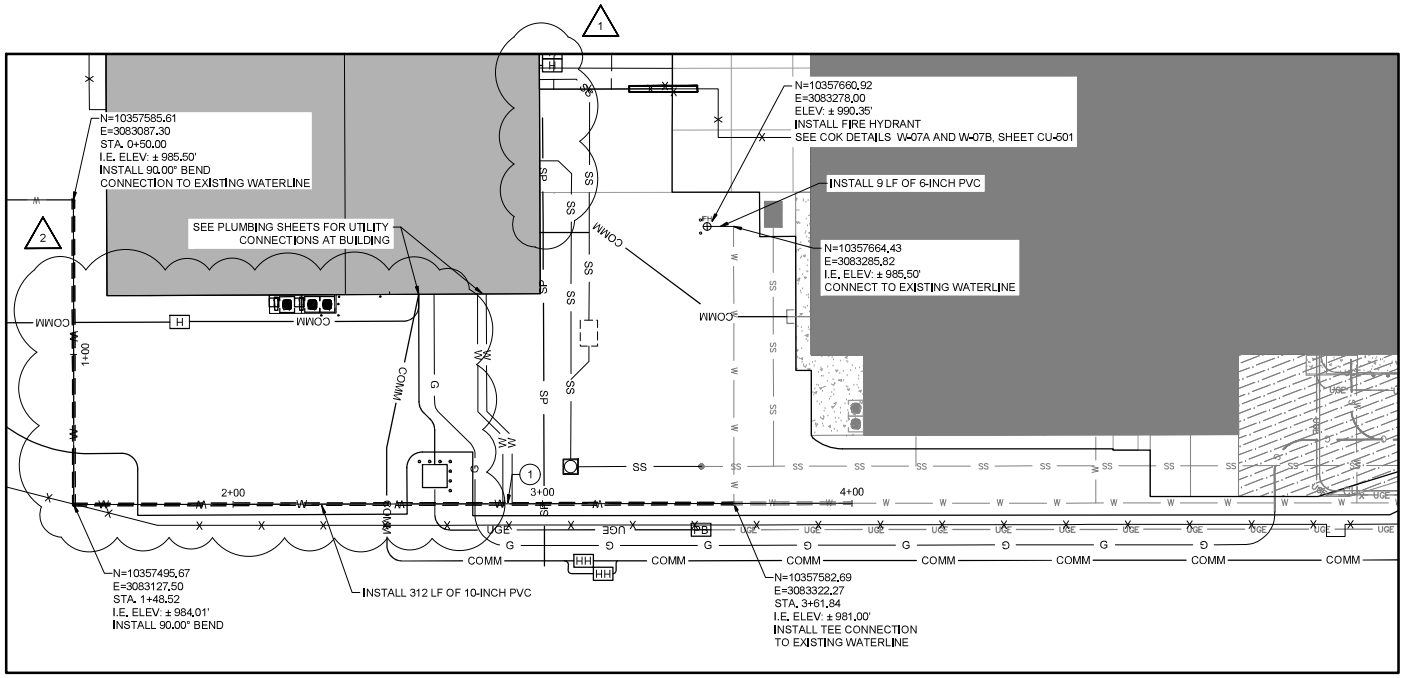
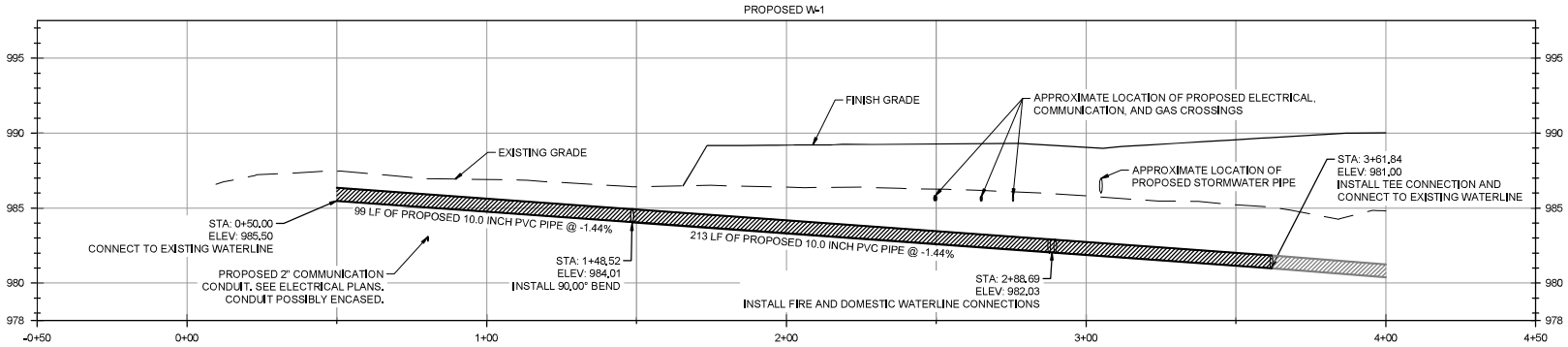
Last plotted by: Green, Jacob C. Plot Style: AECmono.ctb Plot Scale: 1:1 Plot Date: 5/7/2024 12:35 PM Plotter used: DWG To PDF.pc3



UTILITY KEY NOTES:

(1) N=10357552.82
E=3083255.37
STA. 2+88.69
I.E. ELEV: ± 982.03'
INSTALL THE FOLLOWING UTILITY LINES:
- 2-INCH PVC WATER PIPE FOR BUILDING DOMESTIC WATER SERVICE. INSTALL SERVICE LINE AND WATER METER SERVICE CONNECTION PER CITY OF KILLEEN STANDARD DETAILS ON SHEET CU-501.
- 8-INCH PVC WATER PIPE FOR BUILDING FIRE SERVICE WITH PIV, SEE DETAIL 2, SHEET CU-502.



N

0 10' 20' 40' 60'
(IN FEET)

LEGEND

—UGE—	EXISTING UNDERGROUND ELECTRICAL LINES
—COMM—	EXISTING UNDERGROUND COMM LINES
—G—	EXISTING GAS SERVICE LINE, 1.5" PE
—SS—	EXISTING SANITARY SEWER LINE
—W—	EXISTING WATERLINE
⊗ FH	PROPOSED FIRE HYDRANT
—UGE— —COMM—	PROPOSED ELEC/COMM UTILITY, SHOWN FOR REFERENCE ONLY, SEE ELECTRICAL SITE PLANS
—X—	EXISTING FENCELINE WITH CONCRETE SECURITY PAD ALONG LENGTH. WHEN INSTALLING UTILITIES THROUGH FENCELINE, CONTRACTOR SHALL EITHER PROTECT FENCE AND PAD OR RESTORE TO PREVIOUS OR BETTER CONDITION AFTER CONSTRUCTION.
—X—	PROPOSED FENCE
—W—	PROPOSED WATER LINE
—SS—	PROPOSED SANITARY SEWER
—G—	PROPOSED GAS SERVICE LINE
—SP—	PROPOSED STORMWATER LINE

NOTES:

1. PROFILE VERTICAL EXAGGERATION = 5.
2. SEE SHEETS CU-501-CU-505 FOR UTILITY DETAILS.
3. CONTRACTOR SHALL LOCATE AND CONFIRM LOCATION, SIZE, FOR EXISTING UTILITIES IN THE VICINITY OF PROPOSED UTILITIES PRIOR TO BEGINNING WORK ON NEW UTILITIES. ALL CONFLICTS SHALL BE REPORTED TO THE ENGINEER PRIOR TO BEGINNING WORK.

— — — — EXISTING PROFILE

———— PROPOSED PROFILE

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-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	9/6/23	FIELD DIRECTIVE 1	JCG
2	5/6/24	C.O.3 - ADDITIONAL PARKING	JCG

Killeen - Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

WATER - PLAN AND PROFILE

JOB NO.: 21A06081
DATE: FEB. 2023
DESIGNED BY: DWM
DRAWN BY: JCG

BAR IS ONE INCH ON ORIGINAL DRAWING
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DRAWING NUMBER
CU-201

SHEET NUMBER 21

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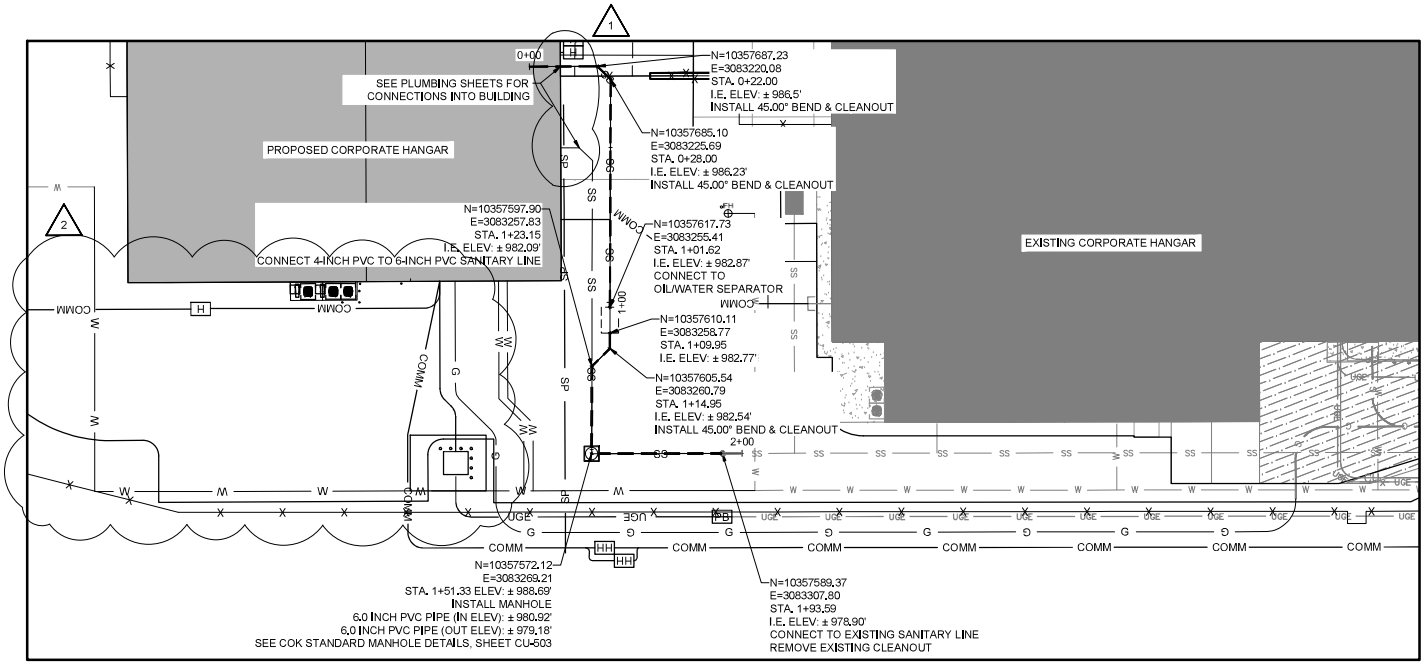

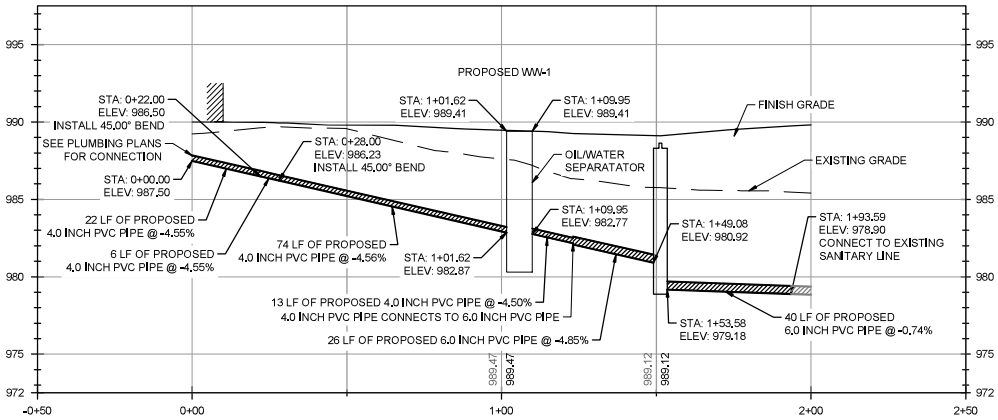

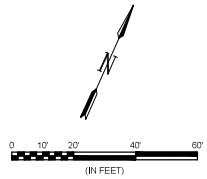

LEGEND

—UGE—	EXISTING UNDERGROUND ELECTRICAL LINES
—COMM—	EXISTING UNDERGROUND COMM LINES
—G—	EXISTING GAS SERVICE LINE, 1.5" PE
—SS—	EXISTING SANITARY SEWER LINE
—W—	EXISTING WATERLINE
⊗	PROPOSED FIRE HYDRANT
—UGE— —COMM—	PROPOSED ELEC/COMM UTILITY, SHOWN FOR REFERENCE ONLY, SEE ELECTRICAL SITE PLANS
—X—	EXISTING FENCELINE WITH CONCRETE SECURITY PAD ALONG LENGTH. WHEN INSTALLING UTILITIES THROUGH FENCELINE, CONTRACTOR SHALL EITHER PROTECT FENCE AND PAD OR RESTORE TO PREVIOUS OR BETTER CONDITION AFTER CONSTRUCTION.
—X—	PROPOSED FENCE
—W—	PROPOSED WATER LINE
—SS—	PROPOSED SANITARY SEWER
—G—	PROPOSED GAS SERVICE LINE
—SP—	PROPOSED STORMWATER LINE

NOTES:

1. PROFILE VERTICAL EXAGGERATION = 5.
2. SEE SHEETS CU-501-CU-505 FOR UTILITY DETAILS.
3. CONTRACTOR SHALL LOCATE AND CONFIRM LOCATION, SIZE, FOR EXISTING UTILITIES IN THE VICINITY OF PROPOSED UTILITIES PRIOR TO BEGINNING WORK ON NEW UTILITIES. ALL CONFLICTS SHALL BE REPORTED TO THE ENGINEER PRIOR TO BEGINNING WORK.

— — — — EXISTING PROFILE

———— PROPOSED PROFILE

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-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	9/6/23	FIELD DIRECTIVE 1	JCG
2	5/6/24	C.O.3 - ADDITIONAL PARKING	JCG

Killeen - Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

SANITARY SEWER - PLAN AND PROFILE

JOB NO.: 21A06081
DATE: FEB. 2023
DESIGNED BY: DWM
DRAWN BY: JCG

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DRAWING NUMBER
CU-202

SHEET NUMBER **22**

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POINT TABLE

NAME	NORTHING	EASTING	DESCRIPTION
1	10357620.46	3083044.28	CONCRETE APRON
2	10357687.27	3083014.93	CONCRETE APRON
3	10357752.49	3083161.58	CONCRETE APRON
4	10357715.96	3083177.73	CONCRETE APRON
5	10357739.43	3083230.91	CONCRETE APRON
6	10357696.99	3083249.65	CONCRETE APRON
7	10357681.70	3083215.45	CONCRETE SIDEWALK
8	10357616.40	3083244.81	CONCRETE SIDEWALK
9	10357593.76	3083194.51	CONCRETE SIDEWALK
10	10357598.78	3083192.26	CONCRETE SIDEWALK
11	10357619.16	3083237.54	CONCRETE SIDEWALK
12	10357692.23	3083204.68	CONCRETE APRON
13	10357634.98	3083076.92	CONCRETE APRON
14	10357632.74	3083071.90	CONCRETE APRON

POINT TABLE

NAME	NORTHING	EASTING	DESCRIPTION
15	10357609.94	3083082.14	CONCRETE SIDEWALK
16	10357612.17	3083087.17	CONCRETE SIDEWALK
17	10357710.31	3083554.24	ASPHALT ACCESS/PARKING
18	10357712.57	3083552.27	ASPHALT ACCESS/PARKING
19	10357665.44	3083517.44	ASPHALT ACCESS/PARKING
20	10357661.45	3083493.76	ASPHALT ACCESS/PARKING
21	10357639.39	3083444.30	ASPHALT ACCESS/EXISTING DUMPSTER PAD
22	10357652.86	3083438.29	ASPHALT ACCESS/EXISTING DUMPSTER PAD
23	10357544.75	3083246.79	ASPHALT ACCESS/PARKING
24	10357563.58	3083238.31	ASPHALT ACCESS/PARKING
25	10357539.17	3083184.08	ASPHALT ACCESS/PARKING
26	10357562.05	3083173.80	ASPHALT ACCESS/PARKING
27	10357556.93	3083223.55	ASPHALT ACCESS/PARKING
28	10357584.36	3083174.83	ASPHALT ACCESS/PARKING

POINT TABLE

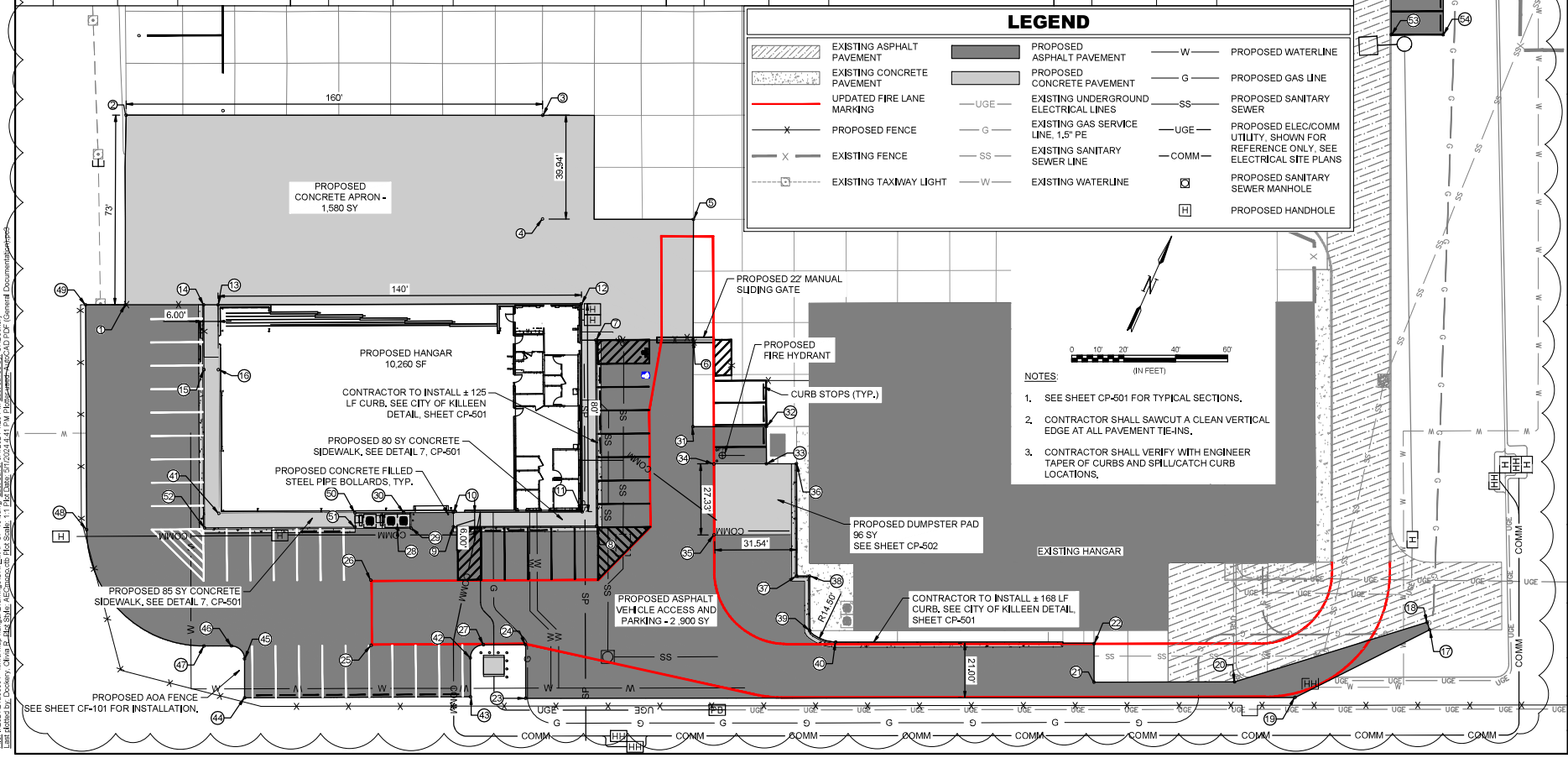
NAME	NORTHING	EASTING	DESCRIPTION
29	10357586.61	3083179.86	ASPHALT ACCESS/PARKING
30	10357590.91	3083174.87	ASPHALT ACCESS/PARKING
31	10357666.44	3083263.14	ASPHALT ACCESS/PARKING
32	10357677.98	3083288.97	ASPHALT ACCESS/PARKING
33	10357664.89	3083294.84	ASPHALT PARKING/CONCRETE DUMPSTER PAD
34	10357656.61	3083276.37	ASPHALT PARKING/CONCRETE DUMPSTER PAD
35	10357631.70	3083287.51	ASPHALT PARKING/CONCRETE DUMPSTER PAD
36	10357669.64	3083305.42	BACK OF CURB/EXISTING SIDEWALK
37	10357630.13	3083323.08	BACK OF CURB/EXISTING SIDEWALK
38	10357632.17	3083327.64	BACK OF CURB/EXISTING SIDEWALK
39	10357612.99	3083336.26	BACK OF CURB/EXISTING SIDEWALK
40	10357613.03	3083347.12	BACK OF CURB
41	10357561.69	3083109.84	PROPOSED HANGAR
42	10357550.30	3083220.99	ASPHALT ACCESS/PARKING

POINT TABLE

NAME	NORTHING	EASTING	DESCRIPTION
43	10357536.62	3083227.14	ASPHALT ACCESS/PARKING
44	10357500.91	3083147.78	ASPHALT ACCESS/PARKING
45	10357514.59	3083141.65	ASPHALT ACCESS/PARKING
46	10357517.10	3083135.03	ASPHALT ACCESS/PARKING
47	10357512.75	3083125.37	ASPHALT ACCESS/PARKING
48	10357535.30	3083065.86	ASPHALT ACCESS/PARKING
49	10357614.25	3083030.31	ASPHALT ACCESS/PARKING
50	10357583.18	3083157.71	PROPOSED HANGAR
51	10357578.21	3083159.95	CONCRETE SIDEWALK
52	10357554.41	3083107.08	CONCRETE SIDEWALK
53	10357913.66	3083447.65	ASPHALT ACCESS/PARKING
54	10357921.76	3083465.94	ASPHALT ACCESS/PARKING
55	10358045.19	3083411.27	ASPHALT ACCESS/PARKING
56	10358037.09	3083392.98	ASPHALT ACCESS/PARKING

LEGEND

	EXISTING ASPHALT PAVEMENT		PROPOSED ASPHALT PAVEMENT	—W—	PROPOSED WATERLINE
	EXISTING CONCRETE PAVEMENT		PROPOSED CONCRETE PAVEMENT	—G—	PROPOSED GAS LINE
	UPDATED FIRE LANE MARKING	—UGE—	EXISTING UNDERGROUND ELECTRICAL LINES	—SS—	PROPOSED SANITARY SEWER
—X—	PROPOSED FENCE	—G—	EXISTING GAS SERVICE LINE, 1.5" PE	—UGE—	PROPOSED ELEC/COMM UTILITY. SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL SITE PLANS
—X—	EXISTING FENCE	—SS—	EXISTING SANITARY SEWER LINE	—COMM—	
	EXISTING TAXIWAY LIGHT	—W—	EXISTING WATERLINE		PROPOSED SANITARY SEWER MANHOLE
				H	PROPOSED HANDHOLE



NOTES:

1. SEE SHEET CP-501 FOR TYPICAL SECTIONS.
2. CONTRACTOR SHALL SAWCUT A CLEAN VERTICAL EDGE AT ALL PAVEMENT TIE-INS.
3. CONTRACTOR SHALL VERIFY WITH ENGINEER TAPER OF CURBS AND SPILL/CATCH CURB LOCATIONS.

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REV.	DATE	DESCRIPTION	BY
-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	5/6/24	C.1.0.3 - ADDITIONAL PARKING	JCG

Killeen - Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

SITE LAYOUT PLAN

JOB NO.: 21A06081
DATE: FEB. 2023
DESIGNED BY: DWM
DRAWN BY: JCG

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
CP-101

SHEET NUMBER **28**

File: I:\2021\21a06081 - killeen map hangar\Drawings\GRK_MAP-CP-101.dwg Last Saved: 5/1/2024 4:23 PM Last saved by: GRDockery
Last plotted by: Dockery, Olivia Plot Style: AES.ctb Plot Scale: 1:1 Plot Date: 5/1/2024 4:41 PM Plot Layout: 4-PDF CAD PDF (General Documents).pc3

LEGEND

	EXISTING CONCRETE PAVEMENT		PROPOSED FENCE
	EXISTING ASPHALT PAVEMENT	XXX	PROPOSED CONTOUR
	PROPOSED ASPHALT PAVEMENT	XXX	EXISTING CONTOUR
	PROPOSED CONCRETE PAVEMENT		PROPOSED GRADE BREAK WITH FLOW INDICATOR
	EXISTING TAXIWAY LIGHT	CH: 0.XX'	PROPOSED CURB HEIGHT
H	PROPOSED HANDHOLE		
X	EXISTING FENCE		

1 2

NOTES:

1. CONTRACTOR IS TO VERIFY ALL SLOPES ACROSS ADA ROUTES AND AREAS MEET ADA SPECIFIC REQUIREMENTS.

N

0 10' 20' 40' 60'
(IN FEET)

POINT TABLE

NAME	NORTHING	EASTING	ELEVATION
1	10357687.26	3083014.91	988.20'
2	10357696.13	3083034.86	988.30'
3	10357704.17	3083053.14	988.47'
4	10357712.22	3083071.39	988.72'
5	10357720.46	3083089.66	988.93'
6	10357728.61	3083108.01	989.05'
7	10357736.75	3083126.35	989.17'
8	10357745.00	3083144.94	989.26'
9	10357752.36	3083161.51	989.40'
10	10357668.84	3083022.73	988.12'
11	10357677.74	3083042.97	988.69'
12	10357685.91	3083061.24	988.85'
13	10357694.01	3083079.51	989.09'
14	10357702.27	3083097.79	989.23'
15	10357710.36	3083116.13	989.25'
16	10357718.54	3083134.32	989.37'
17	10357726.78	3083153.00	989.42'
18	10357734.21	3083169.59	989.43'
19	10357650.48	3083030.92	988.27'
20	10357659.49	3083051.02	989.06'
21	10357667.64	3083069.46	989.24'
22	10357675.75	3083087.60	989.46'
23	10357684.04	3083105.94	989.53'
24	10357692.07	3083124.28	989.55'
25	10357700.15	3083142.50	989.57'
26	10357708.38	3083161.09	989.58'

POINT TABLE

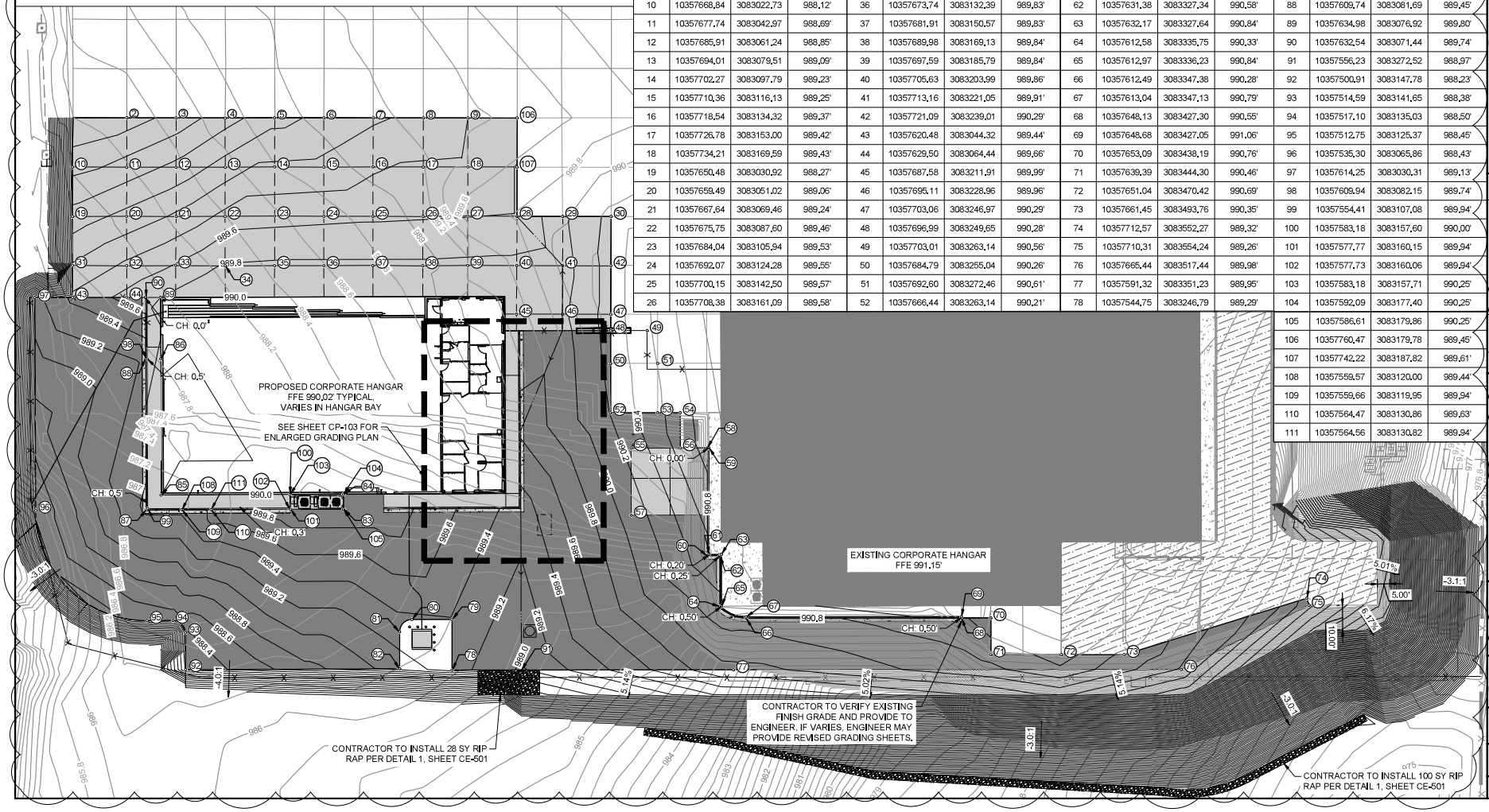
NAME	NORTHING	EASTING	ELEVATION
27	10357715.96	3083177.73	989.60'
28	10357723.90	3083195.98	989.61'
29	10357731.43	3083212.93	989.96'
30	10357739.42	3083230.91	990.26'
31	10357632.33	3083039.00	988.42'
32	10357641.15	3083059.25	989.44'
33	10357649.42	3083077.33	989.61'
34	10357657.38	3083095.77	989.81'
35	10357665.61	3083114.10	989.83'
36	10357673.74	3083132.39	989.83'
37	10357681.91	3083150.57	989.83'
38	10357689.98	3083169.13	989.84'
39	10357697.59	3083185.79	989.84'
40	10357705.63	3083203.99	989.86'
41	10357713.16	3083221.05	989.91'
42	10357721.09	3083239.01	990.29'
43	10357620.48	3083044.32	989.44'
44	10357629.50	3083064.44	989.66'
45	10357687.58	3083211.91	989.99'
46	10357695.11	3083228.96	989.96'
47	10357703.06	3083246.97	990.29'
48	10357696.99	3083249.65	990.28'
49	10357703.01	3083263.14	990.56'
50	10357684.79	3083255.04	990.26'
51	10357692.60	3083272.46	990.61'
52	10357666.44	3083263.14	990.21'

POINT TABLE

NAME	NORTHING	EASTING	ELEVATION
53	10357674.27	3083280.65	990.55'
54	10357677.98	3083288.97	990.71'
55	10357656.75	3083276.59	990.26'
56	10357664.89	3083294.84	990.66'
57	10357631.82	3083287.77	990.09'
58	10357669.39	3083304.87	990.88'
59	10357669.64	3083305.42	990.89'
60	10357629.34	3083322.77	990.53'
61	10357630.13	3083323.08	990.79'
62	10357631.38	3083327.34	990.58'
63	10357632.17	3083327.64	990.84'
64	10357612.58	3083335.75	990.33'
65	10357612.97	3083336.23	990.84'
66	10357612.49	3083347.38	990.28'
67	10357613.04	3083347.13	990.79'
68	10357648.13	3083427.30	990.55'
69	10357648.68	3083427.05	991.06'
70	10357653.09	3083438.19	990.76'
71	10357639.39	3083444.30	990.46'
72	10357651.04	3083470.42	990.69'
73	10357661.45	3083493.76	990.35'
74	10357712.57	3083552.27	989.32'
75	10357710.31	3083554.24	989.26'
76	10357665.44	3083517.44	989.98'
77	10357591.32	3083351.23	989.95'
78	10357544.75	3083246.79	989.29'

POINT TABLE

NAME	NORTHING	EASTING	ELEVATION
79	10357563.61	3083238.38	989.39'
80	10357556.93	3083223.55	989.37'
81	10357550.30	3083220.99	989.30'
82	10357536.62	3083227.14	989.10'
83	10357586.56	3083179.99	989.94'
84	10357592.13	3083177.49	990.00'
85	10357561.69	3083109.84	990.00'
86	10357612.20	3083087.17	989.86'
87	10357553.78	3083106.89	989.94'
88	10357609.74	3083081.69	989.45'
89	10357634.98	3083076.92	989.80'
90	10357632.54	3083071.44	989.74'
91	10357556.23	3083272.52	988.97'
92	10357500.91	3083147.78	988.23'
93	10357514.59	3083141.65	988.38'
94	10357517.10	3083135.03	988.50'
95	10357512.75	3083125.37	988.45'
96	10357535.30	3083065.86	988.43'
97	10357614.25	3083030.31	989.13'
98	10357609.94	3083082.15	989.74'
99	10357554.41	3083107.08	989.94'
100	10357583.18	3083157.60	990.00'
101	10357577.77	3083160.15	989.94'
102	10357577.73	3083160.06	989.94'
103	10357583.18	3083157.71	990.25'
104	10357592.09	3083177.40	990.25'
105	10357586.61	3083179.86	990.25'
106	10357760.47	3083179.78	989.45'
107	10357742.22	3083187.82	989.61'
108	10357559.57	3083120.00	989.44'
109	10357559.66	3083119.95	989.94'
110	10357564.47	3083130.86	989.63'
111	10357564.56	3083130.82	989.94'



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REV.	DATE	DESCRIPTION	BY
-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	4/15/24	FIELD DIRECTIVE #2	JCG
2	5/6/24	C.03 - ADDITIONAL PARKING	JCG

Killeen - Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

SITE GRADING PLAN

JOB NO.: 21A06081
DATE: FEB. 2023
DESIGNED BY: DWM
DRAWN BY: JCG

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
CP-102

SHEET NUMBER **29**

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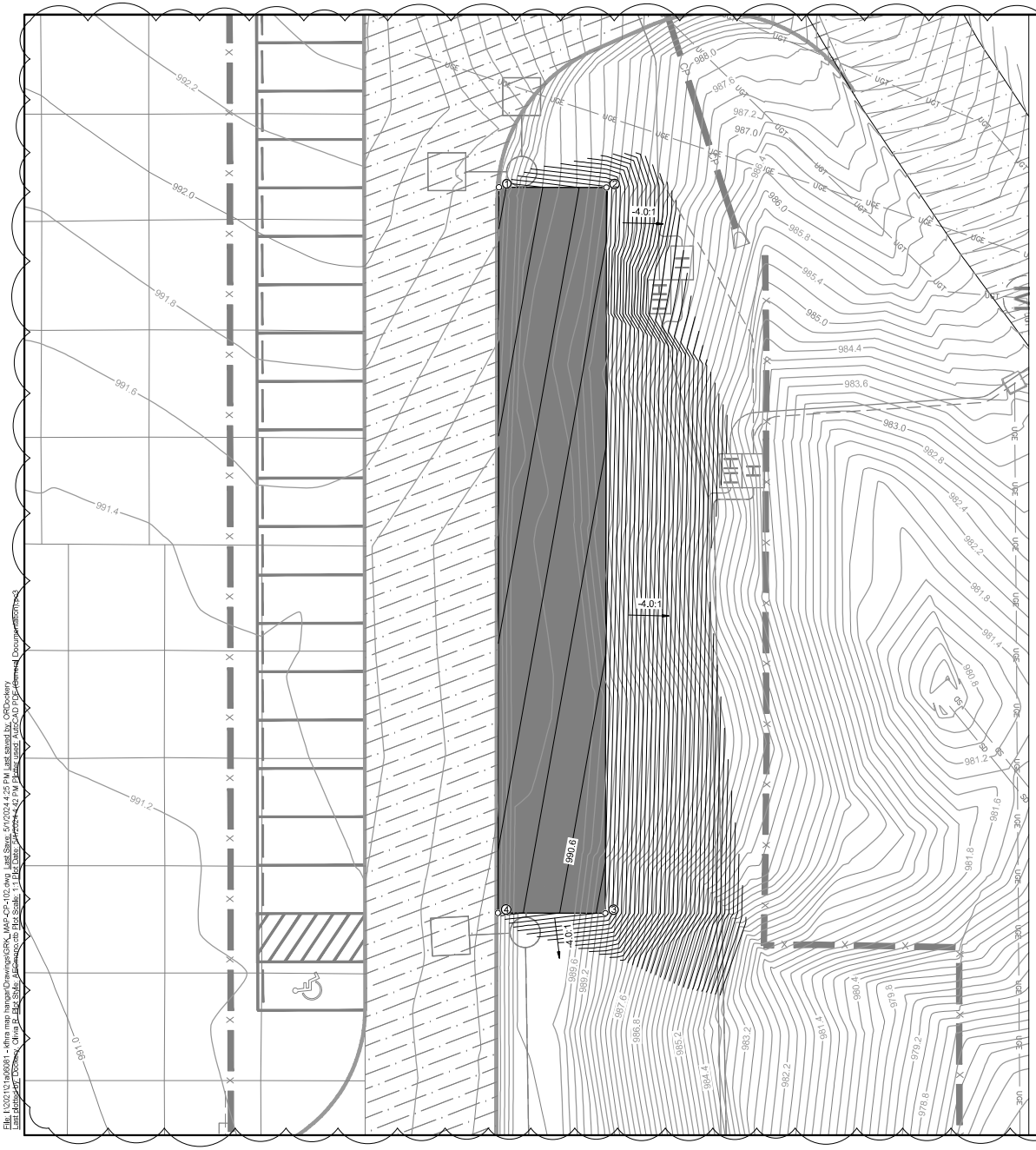
Last plotted by: Dockery, Olivia R. Plot Style: AECfromcu.ctb Plot Scale: 1:1 Plot Date: 5/7/2024 4:42 PM Plotter used: AutoCAD PDF (General Documentation).pc3



LEGEND

	EXISTING CONCRETE PAVEMENT		PROPOSED FENCE
	EXISTING ASPHALT PAVEMENT	XXX	PROPOSED CONTOUR
	PROPOSED ASPHALT PAVEMENT	XXX	EXISTING CONTOUR
	PROPOSED CONCRETE PAVEMENT		PROPOSED GRADE BREAK WITH FLOW INDICATOR
	EXISTING TAXIWAY LIGHT	CH: 0.XX'	PROPOSED CURB HEIGHT
H	PROPOSED HANDHOLE	X	EXISTING FENCE

POINT TABLE

NAME	NORTHING	EASTING	ELEVATION
1	10358037.09	3083392.98	991.64'
2	10358045.19	3083411.27	991.05'
3	10357921.76	3083465.94	990.35'
4	10357913.66	3083447.65	990.94'

N

0 2.5' 5' 10' 15'
(IN FEET)

NOTES:

1. CONTRACTOR IS TO VERIFY ALL SLOPES ACROSS ADA ROUTES AND AREAS MEET ADA SPECIFIC REQUIREMENTS.

1

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REV.	DATE	DESCRIPTION	BY
-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	5/6/24	C.1.0.3 - ADDITIONAL PARKING	JCG

Killeen - Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

ENLARGED GRADING PLAN II

JOB NO.: 21A06081
DATE: FEB. 2023
DESIGNED BY: Value
DRAWN BY: Value

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
CP-106

SHEET NUMBER **33**

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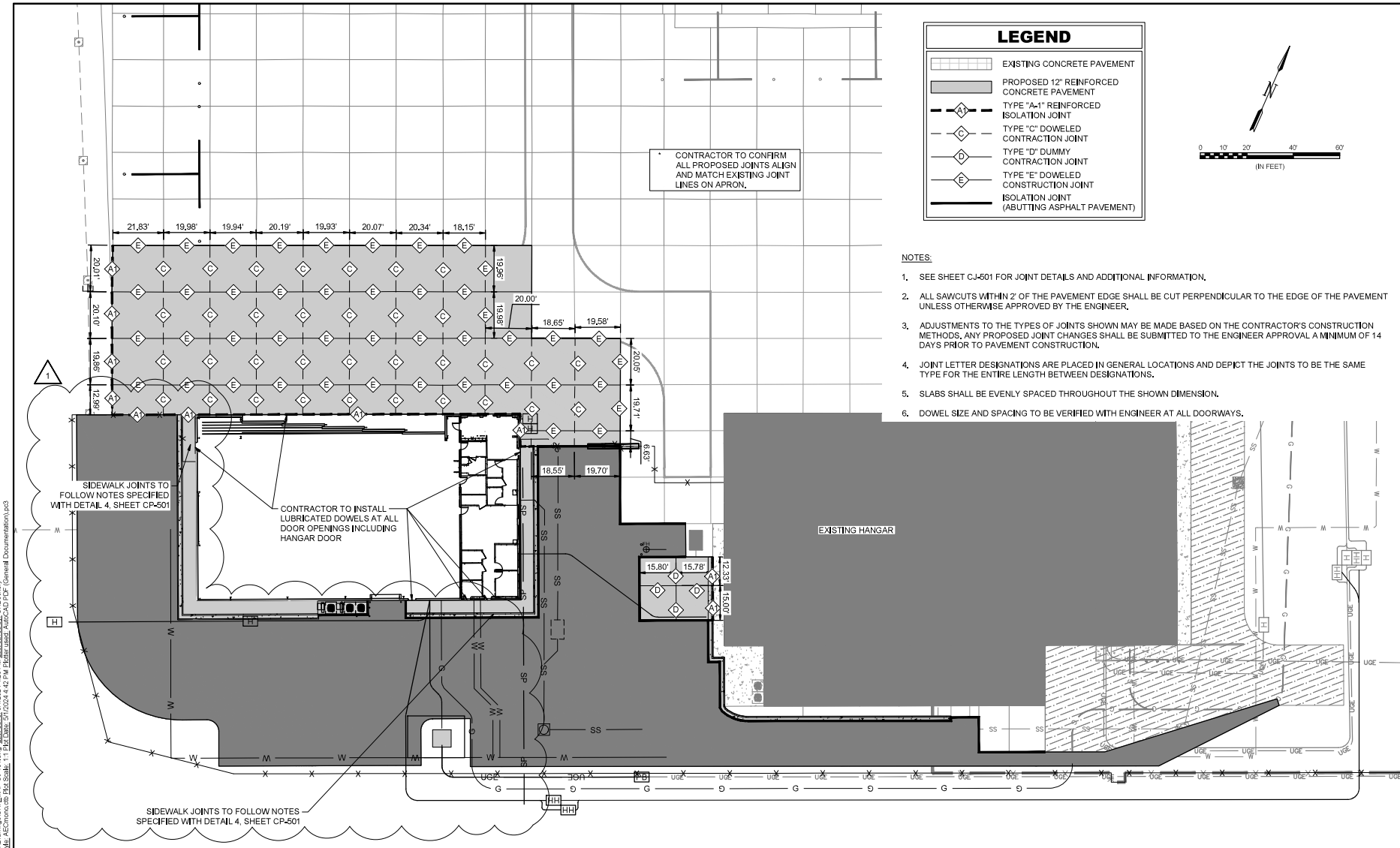
Last date/time: CRDockery, Clive P. Plot Style: 4-Color.ctb Plot Scale: 1:1 Plot Date: 5/1/2024 4:32 PM Plotted used: AutoCAD PDF (General Document).pc3



LEGEND

- EXISTING CONCRETE PAVEMENT
- PROPOSED 12" REINFORCED CONCRETE PAVEMENT
- TYPE "A-1" REINFORCED ISOLATION JOINT
- TYPE "C" DOWELED CONTRACTION JOINT
- TYPE "D" DUMMY CONTRACTION JOINT
- TYPE "E" DOWELED CONSTRUCTION JOINT
- ISOLATION JOINT (ABUTTING ASPHALT PAVEMENT)

N

0 10' 20' 40' 60'
(IN FEET)

NOTES:

1. SEE SHEET CJ-501 FOR JOINT DETAILS AND ADDITIONAL INFORMATION.
2. ALL SAWCUTS WITHIN 2' OF THE PAVEMENT EDGE SHALL BE CUT PERPENDICULAR TO THE EDGE OF THE PAVEMENT UNLESS OTHERWISE APPROVED BY THE ENGINEER.
3. ADJUSTMENTS TO THE TYPES OF JOINTS SHOWN MAY BE MADE BASED ON THE CONTRACTOR'S CONSTRUCTION METHODS. ANY PROPOSED JOINT CHANGES SHALL BE SUBMITTED TO THE ENGINEER APPROVAL A MINIMUM OF 14 DAYS PRIOR TO PAVEMENT CONSTRUCTION.
4. JOINT LETTER DESIGNATIONS ARE PLACED IN GENERAL LOCATIONS AND DEPICT THE JOINTS TO BE THE SAME TYPE FOR THE ENTIRE LENGTH BETWEEN DESIGNATIONS.
5. SLABS SHALL BE EVENLY SPACED THROUGHOUT THE SHOWN DIMENSION.
6. DOWEL SIZE AND SPACING TO BE VERIFIED WITH ENGINEER AT ALL DOORWAYS.

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REV.	DATE	DESCRIPTION	BY
-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	5/6/24	C.1.0.3 - ADDITIONAL PARKING	JCG

Killeen - Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

JOINT LAYOUT PLAN

JOB NO.: 21A06081
DATE: FEB. 2023
DESIGNED BY: DWM
DRAWN BY: JCG

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
CJ-101

SHEET NUMBER **36**

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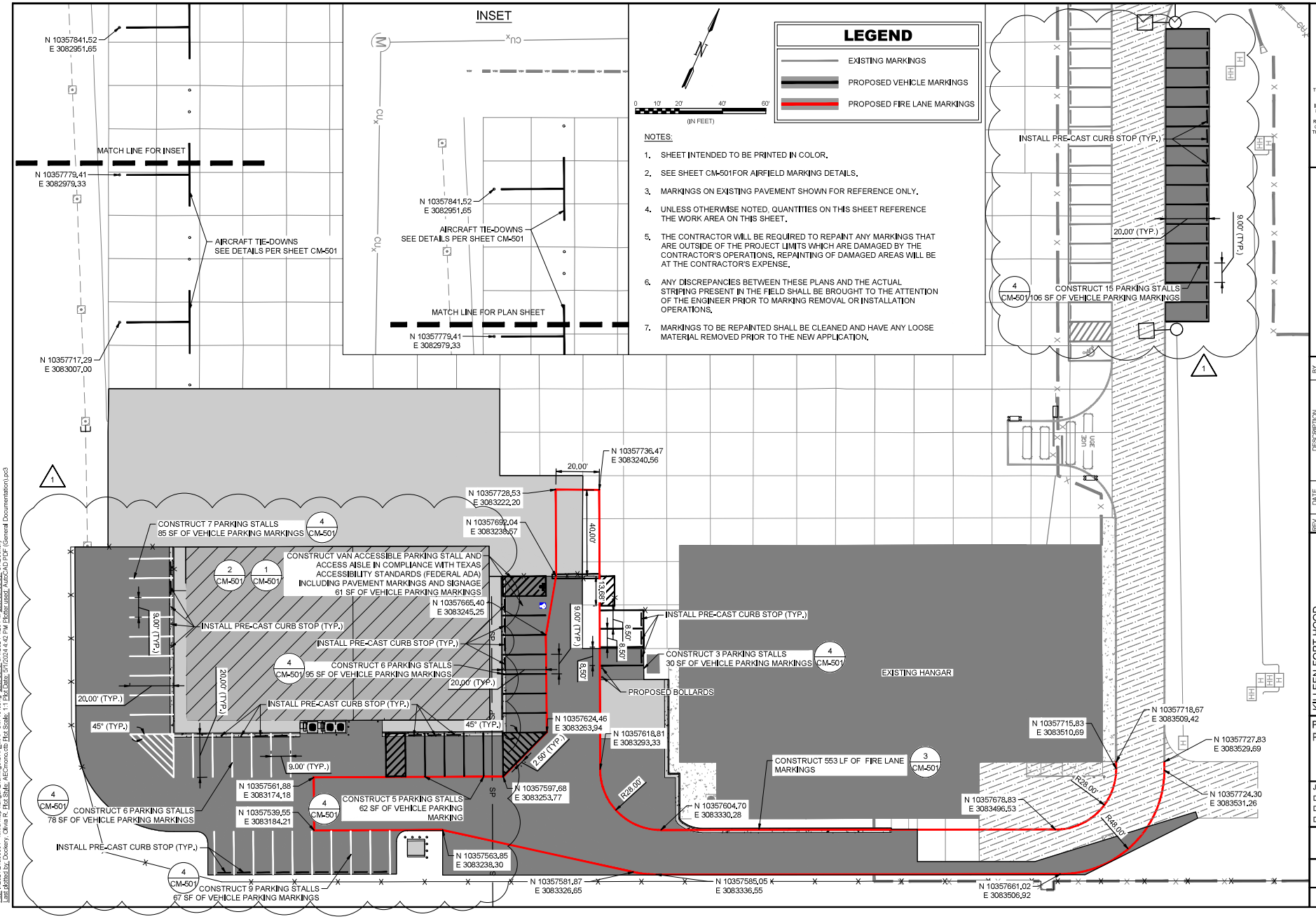

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REV.	DATE	DESCRIPTION	BY
-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	5/6/24	C.1.0.3 - ADDITIONAL PARKING	JCG

Killeen - Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

PAVEMENT MARKING PLAN

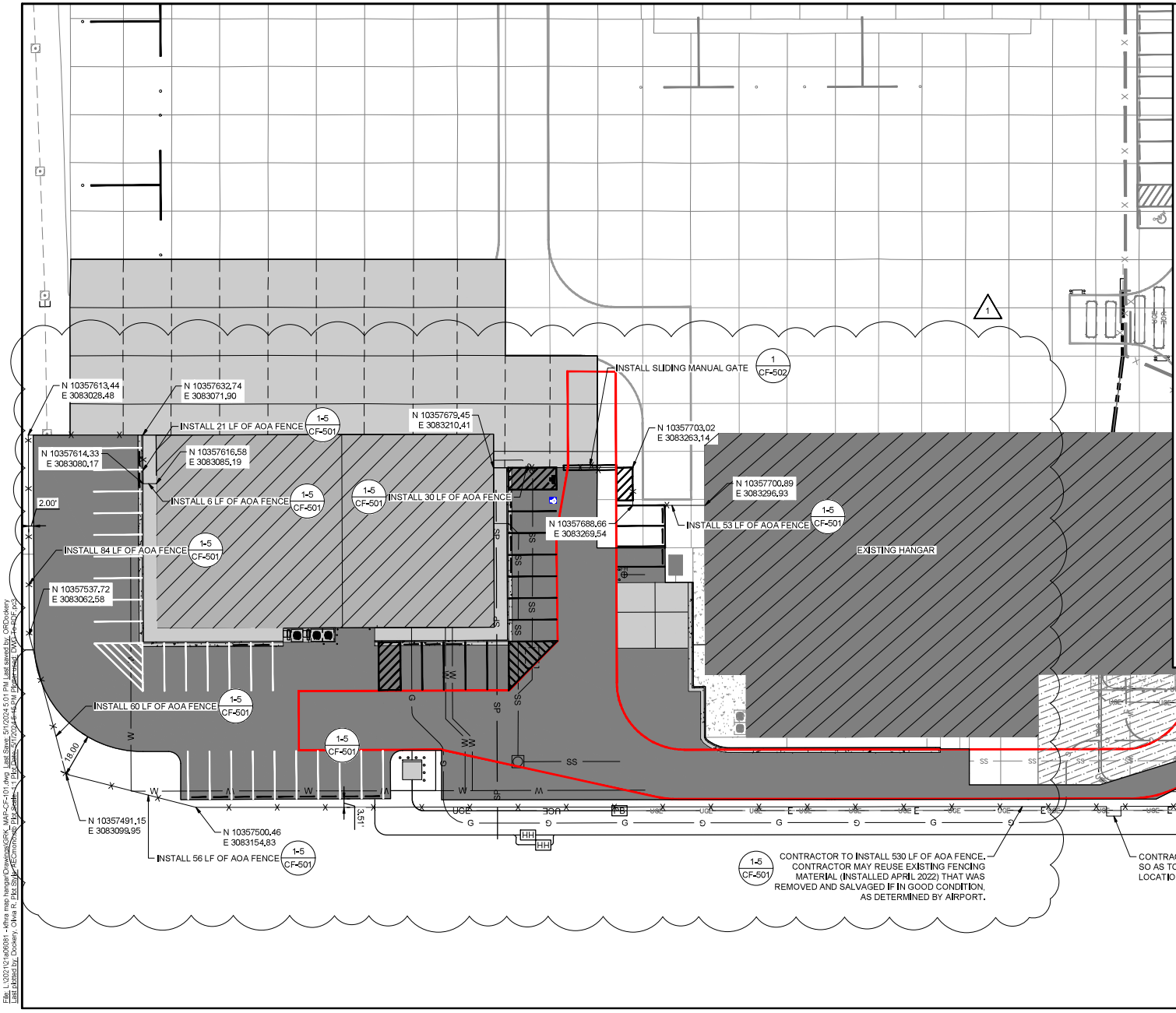
JOB NO.: 21A06081
DATE: FEB. 2023
DESIGNED BY: DWM
DRAWN BY: JCG

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
CM-101

SHEET NUMBER **38**

File: I:\2021\21a06081 - killeen map hangar\Drawings\GRK_MAP-CM-101.dwg Last Save: 5/1/2024 4:28 PM Last saved by: ORDockery
Last plotted by: Dockery, Olivia R. Plot Style: AECmono.ctb Plot Scale: 1:1 Plot Date: 5/1/2024 4:42 PM Plotter used: AutoCAD PDF (General Documentation).pc3



0 10' 20' 40' 60'
(IN FEET)

LEGEND

- EXISTING CONCRETE PAVEMENT
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED TAXIWAY LIGHT
- EXISTING TAXIWAY LIGHT
- EXISTING FENCE
- PROPOSED FENCE

NOTES:

1. THE FENCE POST SHALL BE SPACED NO MORE THAN 10 FT APART.
2. THE POST'S HOLES SHALL BE IN PROPER ALIGNMENT SO THAT THERE IS A MINIMUM OF 3" OF CONCRETE ON ALL SIDES OF THE POSTS AND THE CONCRETE ENCASEMENT FOOTING EXTENDS 3-4" BELOW PROPOSED GRADE.
3. THE FENCE SHALL GENERALLY FOLLOW THE CONTOUR OF THE GROUND, WITH THE BOTTOM OF THE FENCE FABRIC NO MORE THAN 3" FROM THE GROUND SURFACE. GRADING SHALL BE PERFORMED WHERE NECESSARY TO PROVIDE A NEAT APPEARANCE. AT LOCATIONS OF SMALL NATURAL SWALES OR DRAINAGE DITCHES AND WHERE IT IS NOT PRACTICAL TO HAVE THE FENCE CONFORM TO THE GENERAL CONTOUR OF THE GROUND SURFACE, LONGER POSTS MAY BE USED AND MULTIPLE STRANDS OF BARBED WIRE STRETCHED TO SPAN THE OPENING BELOW THE FENCE. THE VERTICAL CLEARANCE BETWEEN STRANDS OF BARBED WIRE SHALL BE 6 INCHES OR LESS.

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REV.	DATE	DESCRIPTION	BY
-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	5/6/24	C.O.3 - ADDITIONAL PARKING	JCG

Killeen - Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

FENCING PLAN

JOB NO.: 21A06081
DATE: FEB. 2023
DESIGNED BY: DWM
DRAWN BY: JCG

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
CF-101

SHEET NUMBER 40

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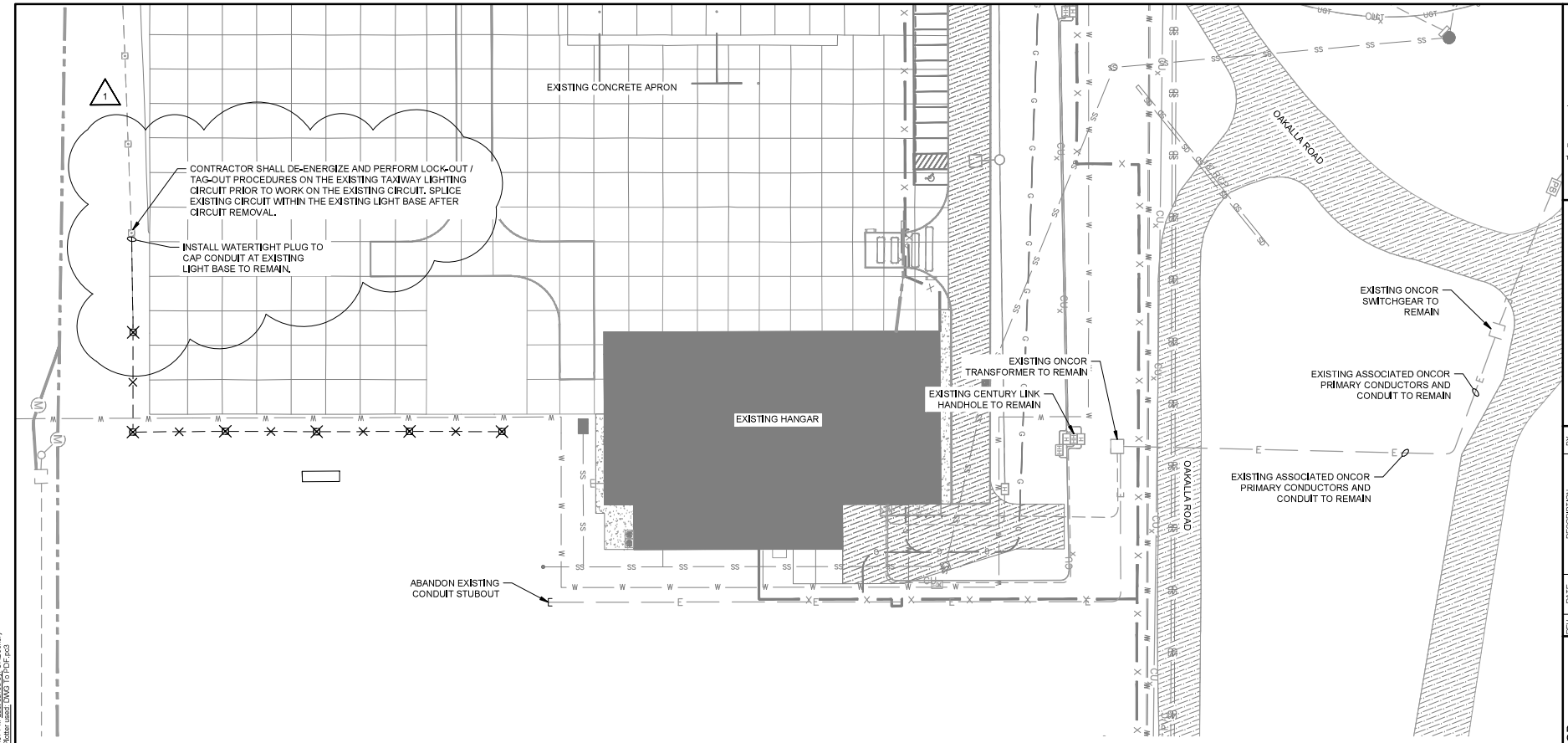

0 15' 30' 60' 90'
(IN FEET)

Know what's below. Call before you dig.

CAUTION - UNDERGROUND UTILITIES:
UNDERGROUND UTILITIES MAY EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS. ALL EXISTING UTILITIES MAY NOT BE SHOWN ON THE PLANS, AND THE LOCATION OF THE UTILITIES SHOWN MAY VARY FROM THE LOCATION SHOWN ON THE PLANS. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT AIRPORT MAINTENANCE AND LOCAL UTILITY COMPANIES TO MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITY ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.

REMOVAL NOTES:

1. CABLE REMOVAL SHALL NOT BE MEASURED FOR SEPARATE PAYMENT BUT SHALL BE SUBSIDIARY TO THE LIGHT REMOVAL PAY ITEM.
2. ALL EXISTING ELECTRICAL EQUIPMENT AND INFRASTRUCTURE TO BE REMOVED SHALL BE COMPLETELY DEMOLISHED AND REMOVED, AND THE AREA SHALL BE RESTORED. EQUIPMENT AND INFRASTRUCTURE SHALL BE PROVIDED TO THE AIRPORT OR PROPERLY DISPOSED OF IF DIRECTED BY THE OWNER.
3. ALL EXISTING ELECTRICAL EQUIPMENT AND INFRASTRUCTURE THAT IS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION.

EXISTING LEGEND

— — —	EXISTING ELECTRICAL CIRCUIT(S) AND/OR COMMUNICATION CABLES AND CONDUIT TO REMAIN
—CUx—	EXISTING UNDERGROUND COMMUNICATION LINE TO REMAIN
—E—	EXISTING UNDERGROUND PRIMARY CONDUCTORS TO REMAIN
	EXISTING ELECTRICAL AND/OR COMMUNICATION DUCT BANK TO REMAIN
	EXISTING BASE MOUNTED L-861T TAXIWAY EDGE LIGHT TO REMAIN
	EXISTING SECURITY CAMERA AND POLE TO REMAIN
M	EXISTING ELECTRICAL AND/OR COMMUNICATION MANHOLE TO REMAIN
H HH	EXISTING ELECTRICAL AND/OR COMMUNICATION HANDHOLE TO REMAIN

REMOVAL LEGEND

— ✕ —	EXISTING AIRFIELD CIRCUIT(S) TO BE REMOVED AND CONDUIT TO BE ABANDONED
⊠	EXISTING BASE MOUNTED L-861T TAXIWAY EDGE LIGHT TO BE REMOVED AND BASE DEMOLISHED

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REV.	DATE	DESCRIPTION	BY
-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	5/6/24	C.O.3 - ADDITIONAL PARKING	JCG

Killeen - Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

SITE ELECTRICAL REMOVAL PLAN

JOB NO.: 21A06081
DATE: FEB. 2023
DESIGNED BY: JKS
DRAWN BY: JKS

BAR IS ONE INCH ON ORIGINAL DRAWING
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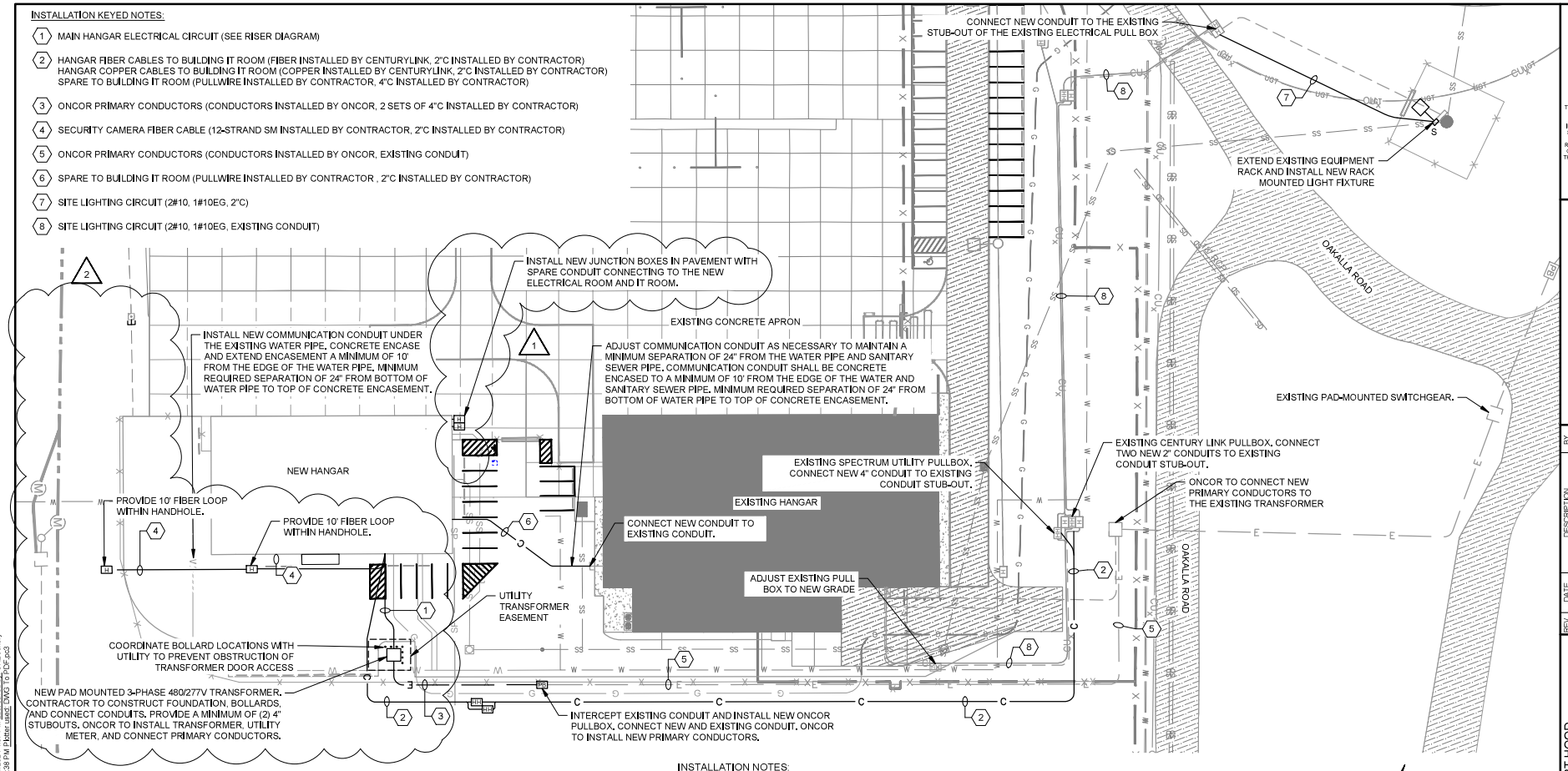
DRAWING NUMBER
ED-101

SHEET NUMBER 43

File: L:\2021\21A06081 - KFHRA MAP-Hangar\Drawings\GRK_MAP-ED-101.dwg Last Save: 5/1/2024 4:37 PM Last saved by: ORDockery
Last plotted by: Green, Jacob C. Plot Style: AECmono.ctb Plot Scale: 1:1 Plot Date: 5/6/2024 12:33 PM Plotter used: DWG To PDF.pc3

INSTALLATION KEYED NOTES:

1. MAIN HANGAR ELECTRICAL CIRCUIT (SEE RISER DIAGRAM)
2. HANGAR FIBER CABLES TO BUILDING IT ROOM (FIBER INSTALLED BY CENTURYLINK, 2"C INSTALLED BY CONTRACTOR)
   HANGAR COPPER CABLES TO BUILDING IT ROOM (COPPER INSTALLED BY CENTURYLINK, 2"C INSTALLED BY CONTRACTOR)
   SPARE TO BUILDING IT ROOM (PULLWIRE INSTALLED BY CONTRACTOR, 4"C INSTALLED BY CONTRACTOR)
3. ONCOR PRIMARY CONDUCTORS (CONDUCTORS INSTALLED BY ONCOR, 2 SETS OF 4"C INSTALLED BY CONTRACTOR)
4. SECURITY CAMERA FIBER CABLE (12-STRAND SM INSTALLED BY CONTRACTOR, 2"C INSTALLED BY CONTRACTOR)
5. ONCOR PRIMARY CONDUCTORS (CONDUCTORS INSTALLED BY ONCOR, EXISTING CONDUIT)
6. SPARE TO BUILDING IT ROOM (PULLWIRE INSTALLED BY CONTRACTOR , 2"C INSTALLED BY CONTRACTOR)
7. SITE LIGHTING CIRCUIT (2#10, 1#10EG, 2"C)
8. SITE LIGHTING CIRCUIT (2#10, 1#10EG, EXISTING CONDUIT)



EXISTING LEGEND

— — —	EXISTING ELECTRICAL CIRCUIT(S) AND/OR COMMUNICATION CABLES AND CONDUIT TO REMAIN
—CUx—	EXISTING UNDERGROUND COMMUNICATION LINE TO REMAIN
—E—	EXISTING UNDERGROUND PRIMARY CONDUCTORS TO REMAIN
	EXISTING ELECTRICAL AND/OR COMMUNICATION DUCT BANK TO REMAIN
	EXISTING BASE MOUNTED L-861T TAXIWAY EDGE LIGHT TO REMAIN
	EXISTING SECURITY CAMERA AND POLE TO REMAIN
M	EXISTING ELECTRICAL AND/OR COMMUNICATION MANHOLE TO REMAIN
H HH	EXISTING ELECTRICAL AND/OR COMMUNICATION HANDHOLE TO REMAIN

INSTALLATION LEGEND

———	NEW ELECTRICAL CONDUIT WITH NEW ELECTRICAL CIRCUIT(S)
—C—	NEW COMMUNICATION DUCT BANK CONTAINING NEW COMMUNICATION UTILITY CONDUCTORS
—E—	NEW ELECTRICAL DUCT BANK CONTAINING NEW ELECTRICAL UTILITY PRIMARY CONDUCTORS
	NEW PAD MOUNTED TRANSFORMER AND CONCRETE FOUNDATION
PB	NEW 4'W x 6'L x 3'D PRIMARY HANDHOLE FOR ELECTRICAL UTILITY
H	NEW 17"W x 30"L x 24"D TRAFFIC RATED H-20 POLYMER CONCRETE JUNCTION BOX
HH	NEW 24"W x 36"L x 24"D TRAFFIC RATED H-20 POLYMER CONCRETE JUNCTION BOX

INSTALLATION NOTES:

1. ALL EXISTING ELECTRICAL EQUIPMENT AND INFRASTRUCTURE THAT IS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION.
2. ALL NEW ELECTRICAL EQUIPMENT AND INFRASTRUCTURE SHALL BE CONSTRUCTED AS SPECIFIED IN THE ELECTRICAL DETAILS AND THE SPECIFICATIONS.
3. CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO EQUIPMENT.
4. ALL ELECTRICAL DUCT BANKS AND CONDUITS IN SOIL SHALL BE SCHEDULE 40 PVC.
5. ALL ELECTRICAL DUCT BANKS AND CONDUITS UNDER LANDSIDE PAVEMENT SHALL BE SCHEDULE 80 PVC.
6. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FEES REQUIRED FOR NEW ELECTRICAL SERVICE.
7. CONTRACTOR SHALL PROVIDE AND INSTALL HANDHOLES PER UTILITY COMPANY'S SPECIFICATIONS.
8. PROVIDE MINIMUM ONE FOOT (1') VERTICAL CLEARANCE UTILITY DUCT BANK AND ALL NON-UTILITY EQUIPMENT CROSSING THE DUCT BANK.
9. PROVIDE MINIMUM OF FIVE FOOT (5') HORIZONTAL CLEARANCE BETWEEN UTILITY COMPANY DUCT BANK AND ALL NON-UTILITY COMPANY FACILITIES RUNNING PARALLEL TO THE DUCT BANK. (JOINT TRENCHING NOT PERMITTED)
10. ALL SITE LIGHTING CONDUCTORS SHALL BE NO SMALLER THAN #10 AWG. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E-400.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF ALL CONDUIT.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF ALL COMMUNICATION AND POWER CABLES, UNLESS OTHERWISE NOTED.
13. SEE ONCOR DETAILS FOR REQUIREMENTS FOR UTILITY EQUIPMENT, HANDHOLES, AND INFRASTRUCTURE INSTALLATION.

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

CAUTION - UNDERGROUND UTILITIES:
UNDERGROUND UTILITIES MAY EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS. ALL EXISTING UTILITIES MAY NOT BE SHOWN ON THE PLANS, AND THE LOCATION OF THE UTILITIES SHOWN MAY VARY FROM THE LOCATION SHOWN ON THE PLANS. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT AIRPORT MAINTENANCE AND LOCAL UTILITY COMPANIES TO MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITY ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.

0 15' 30' 60' 90'
(IN FEET)

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REV.	DATE	DESCRIPTION	BY
-	2/24/23	ISSUED FOR CONSTRUCTION	JCG
1	9/6/23	FIELD DIRECTIVE 1	JCG
2	5/6/24	C.O.3 - ADDITIONAL PARKING	JCG

Killeen - Fort Hood Regional Airport

KILLEEN-FORT HOOD REGIONAL AIRPORT
KILLEEN, TX

CORPORATE HANGAR PHASE II

SITE ELECTRICAL INSTALLATION PLAN

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