Agenda

Airport Board

Municipal Airport, 19623 40th Street, Oelwein, Iowa

6:30 PM

August 12, 2026
Oelwein, Iowa

Mayor: Brett DeVore
Mayor Pro Tem: Matt Weber
Board Members: Jason Gearhart, Ken Woodraska, John Bagge, Nathan Schares, Tony Reinking, Jeffery Brackett

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CALL TO ORDER

ROLL CALL

APPROVAL OF MINUTES

1. June Minutes.

EXPENSE REVIEW

2. June Expenses.

FBO REPORT

OLD BUSINESS

NEW BUSINESS

3. Discussion on the Taxilane T-Hangar Project.
4. Discussion on hangar storage meeting FAA guidelines.
5. Discussion on updating phone numbers on aviation websites.

SCHEDULE NEXT MEETING DATE

ADJOURNMENT

6. Additional Information.

In compliance with the Americans with Disabilities Act, those requiring accommodation for Council meetings should notify the City Clerk's Office at least 24 hours prior to the meeting at 319-283-5440

Minutes

Airport Board
Municipal Airport, 19623 40th Street, Oelwein, Iowa
June 10, 2026 - 6:30 PM

CALL TO ORDER

The meeting was called to order at 6:37 P.M.

ROLL CALL **Members Present:** John Bagge, Nate Schares, Tony Reinking, and Jeff Brackett

City Council Liaison Present: Jason Gearhart

APPROVAL OF MINUTES

1. April Minutes.

   The Board reviewed the April meeting minutes. Reinking made a motion to approve the April minutes. The motion was seconded by name not clearly identified. Motion carried.

EXPENSE REVIEW

2. April Expenses.
3. May Expenses.

   The Board reviewed April and May expenses. Discussion included electric service charges listed for Alliant and Eagle Point, questions regarding prior electric bills exceeding $1,000, and the potential need to monitor electricity usage in airport hangars. The Board also discussed an approximately $80 monthly Arion phone bill for an airport phone line that was reported as not currently being used.

   Brackett made a motion to approve the April and May expenses. Reinking seconded the motion. Motion carried.

FBO REPORT

No FBO report was provided. Sky Valley was not present.

OLD BUSINESS

There was no formal old business. The Board discussed the ordinance amendment allowing the Airport Board to meet every other month. The amendment had been read by City Council and was progressing through the required readings.

NEW BUSINESS

4. Discussion on fuel pricing strategy.

   The Board discussed fuel pricing strategy. The current AV gas price was discussed as approximately $6.72 per gallon. The Board noted the city's current pricing method of market cost plus 15%, which was an increase from the previous 10% margin. Members discussed concern if fuel prices drop significantly, the airport could be left with higher-priced fuel which may not sell competitively.

   Discussion included the possibility of reducing the margin back to 10% if the market drops significantly, monitoring fuel sales volume and market conditions, and the need to ensure pricing remains competitive while still supporting airport operations. The Board also discussed fuel farm capacity, split fuel loads, and the possibility of future fuel farm upgrades.

A motion was made by name not clearly identified that if the AV gas fuel market drops by more than 20%, the Board will meet and provide a pricing recommendation to Tommy and Dylan. Reinking seconded the motion. Motion carried.

SCHEDULE NEXT MEETING DATE

The next Airport Board meeting was set for Wednesday, August 12, 2026, at 6:30 p.m. Woodraska was penciled in to lead the meeting.

ADJOURNMENT

5. Additional Information.

Reinking made a motion to adjourn. Bagge seconded the motion. The meeting adjourned at 7:04 p.m.

CITY OF OELWEIN
REVENUES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2026

GENERAL

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	AIRPORT					
001-2800-43110	HANGAR RENT	1,835.00	27,716.00	16,000.00	(11,716.00)	173.2
001-2800-43120	LAND RENT	.00	28,500.00	32,775.00	4,275.00	87.0
001-2800-45000	FUEL SALES	5,138.38	131,991.56	165,000.00	33,008.44	80.0
001-2800-47053	COURTESY CAR DONATIONS	.00	37.30	100.00	62.70	37.3
001-2800-47990	MISC	.00	1,440.00	.00	(1,440.00)	.0
	TOTAL AIRPORT	6,973.38	189,684.86	213,875.00	24,190.14	88.7
	TOTAL FUND REVENUE	6,973.38	189,684.86	213,875.00	24,190.14	88.7

CITY OF OELWEIN
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2026

GENERAL

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	AIRPORT					
001-2800-60100	SALARY	2,265.00	12,048.75	15,000.00	2,951.25	80.3
001-2800-63100	BUILDING	.00	6,133.67	7,000.00	866.33	87.6
001-2800-63310	VEHICLE	.00	.00	100.00	100.00	.0
001-2800-63313	JET FUEL PURCHASED	13,876.21	81,130.67	78,000.00	(3,130.67)	104.0
001-2800-63314	LOW LEAD FUEL PURCHASED	.00	46,561.10	38,000.00	(8,561.10)	122.5
001-2800-63730	COMMUNICATIONS	138.47	1,773.14	11,000.00	9,226.86	16.1
001-2800-63810	UTILITIES	397.92	6,249.15	3,500.00	(2,749.15)	178.6
001-2800-64950	CONTRACTS	175.00	1,820.00	8,000.00	6,180.00	22.8
001-2800-65041	EQUIPMENT	582.59	2,966.71	8,000.00	5,033.29	37.1
001-2800-65060	OFFICE SUPPLIES	17.02	169.14	500.00	330.86	33.8
	TOTAL AIRPORT	17,452.21	158,852.33	169,100.00	10,247.67	93.9
	TOTAL FUND EXPENDITURES	17,452.21	158,852.33	169,100.00	10,247.67	93.9
	NET REVENUE OVER EXPENDITURES	(10,478.83)	30,832.53	44,775.00	13,942.47	68.9

Report Criteria:
Actual amounts
All accounts
Account.Account number = "001280043110"-"001280065060"

Journal	Payee or Description	Debit Amount	Credit Amount	Balance
001-2800-43110 HANGAR RENT				
AR	Payment Applied - Hangars - RANDY ALTHOUS		75.00-	
AR	Payment Applied - Hangars - RANDY ALTHOUS		150.00-	
AR	Payment Applied - Hangars - SKY VALLEY AVIA		95.00-	
AR	Payment Applied - Hangars - SKY VALLEY AVIA		650.00-	
AR	Payment Applied - Hangars - THERESA BREITB		95.00-	
AR	Payment Applied - Hangars - THERESA BREITB		475.00-	
AR	Payment Applied - Hangars - TIM RECKER		75.00-	
AR	Payment Applied - Hangars - TIM RECKER		150.00-	
AR	Payment Applied - Hangars - JESSE HAHN		70.00-	
YTD Encumbrance .00	YTD Actual 27,716.00-	Total 27,716.00-	YTD Budget 16,000.00-	Unearned 11,716.00-
001-2800-43120 LAND RENT				
YTD Encumbrance .00	YTD Actual 28,500.00-	Total 28,500.00-	YTD Budget 32,775.00-	Unearned 4,275.00
001-2800-44410 GRANTS (FEDERAL)				
CR	DRAW 9 FINAL GRANT 014 AIRPORT PROJEC		21,197.35-	
	Description: DRAW 9 FINAL GRANT 014 AIRPORT PROJECT LIGHTING VAULT - FAA TREASURER			
CR	Voided Receipt - 5.000021978 - FAA TREASURE	21,197.35		
	Description: Voided Receipt - 5.000021978 - FAA TREASURER, Comment: Void reason: wrong fund s/b project fund 305			
YTD Encumbrance .00	YTD Actual .00	Total .00	YTD Budget .00	Unearned .00
001-2800-45000 FUEL SALES				
CR	FUEL SALES - MERCHANT BANKCD 5/30-6/26		5,138.38-	
	Description: FUEL SALES - MERCHANT BANKCD 5/30-6/26			
YTD Encumbrance .00	YTD Actual 131,991.56-	Total 131,991.56-	YTD Budget 165,000.00-	Unearned 33,008.44
001-2800-47053 COURTESY CAR DONATIONS				
YTD Encumbrance .00	YTD Actual 37.30-	Total 37.30-	YTD Budget 100.00-	Unearned 62.70
001-2800-47100 ELECTRICAL REIMBURSEMENT				
YTD Encumbrance .00	YTD Actual .00	Total .00	YTD Budget .00	Unearned .00
001-2800-47130 JET A/100LL FUEL REIMBURSEMENT				
YTD Encumbrance .00	YTD Actual .00	Total .00	YTD Budget .00	Unearned .00
001-2800-47990 MISC				
YTD Encumbrance .00	YTD Actual 1,440.00-	Total 1,440.00-	YTD Budget .00	Unearned 1,440.00-

Journal	Payee or Description	Debit Amount	Credit Amount	Balance
001-2800-60100 SALARY				
PC	PAYROLL TRANS FOR 5/30/2026 PAY PERIOD	1,065.00		
PC	PAYROLL TRANS FOR 6/13/2026 PAY PERIOD	1,200.00		
YTD Encumbrance .00	YTD Actual 12,048.75	Total 12,048.75	YTD Budget 15,000.00	Unexpended 2,951.25
001-2800-63100 BUILDING				
YTD Encumbrance .00	YTD Actual 6,133.67	Total 6,133.67	YTD Budget 7,000.00	Unexpended 866.33
001-2800-63310 VEHICLE				
YTD Encumbrance .00	YTD Actual .00	Total .00	YTD Budget 100.00	Unexpended 100.00
001-2800-63313 JET FUEL PURCHASED				
AP	ARROW ENERGY, INC.	13,876.21		
	**Desc: JET A FUEL			
YTD Encumbrance .00	YTD Actual 81,130.67	Total 81,130.67	YTD Budget 78,000.00	Unexpended 3,130.67-
001-2800-63314 LOW LEAD FUEL PURCHASED				
YTD Encumbrance .00	YTD Actual 46,561.10	Total 46,561.10	YTD Budget 38,000.00	Unexpended 8,561.10-
001-2800-63730 COMMUNICATIONS				
AP	ORAN MUTUAL TELEPHONE COMPANY	55.95		
	**Desc: AIRPORT INTERNET SERVICE			
AP	AUREON COMMUNICATIONS	82.52		
	**Desc: AIRPORT PHONE SERVICE			
YTD Encumbrance .00	YTD Actual 1,773.14	Total 1,773.14	YTD Budget 11,000.00	Unexpended 9,226.86
001-2800-63810 UTILITIES				
AP	EAGLE POINT ENERGY 5 LLC	375.99		
	**Desc: ELECTRIC SERVICE			
AP	ALLIANT ENERGY	21.93		
	**Desc: ELECTRIC SERVICE			
YTD Encumbrance .00	YTD Actual 6,249.15	Total 6,249.15	YTD Budget 3,500.00	Unexpended 2,749.15-
001-2800-64915 REFUNDS				
YTD Encumbrance .00	YTD Actual .00	Total .00	YTD Budget .00	Unexpended .00
001-2800-64950 CONTRACTS				
AP	HORAN CLEANING LLC	175.00		
	**Desc: MONTHLY AIRPORT CLEANING - MAY 2026			
YTD Encumbrance .00	YTD Actual 1,820.00	Total 1,820.00	YTD Budget 8,000.00	Unexpended 6,180.00

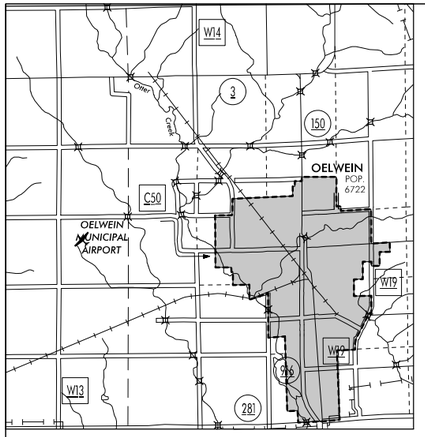
Journal	Payee or Description	Debit Amount	Credit Amount	Balance
001-2800-65041 EQUIPMENT				
AP	OELWEIN FUEL FUND	582.59		
	**Desc: FUEL MAY 01 TO MAY 31			

YTD Encumbrance .00 YTD Actual 2,966.71 Total 2,966.71 YTD Budget 8,000.00 Unexpended 5,033.29

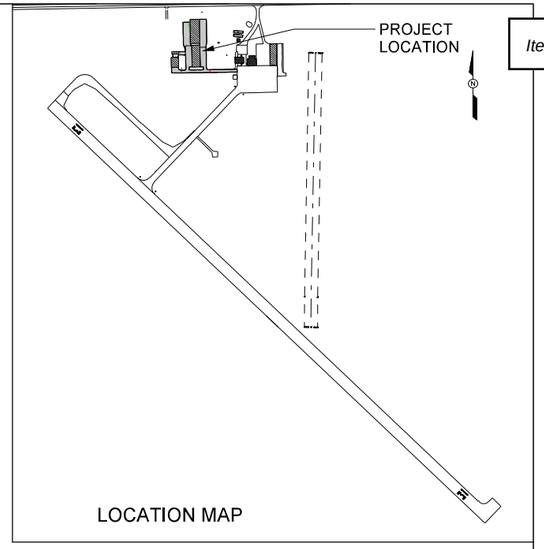
Journal	Payee or Description	Debit Amount	Credit Amount	Balance
001-2800-65060 OFFICE SUPPLIES				
AP	QUADIENT FINANCE USA INC	17.02		
	**Desc: POSTAGE 3/18/26 TO 5/18/26			

YTD Encumbrance .00 YTD Actual 169.14 Total 169.14 YTD Budget 500.00 Unexpended 330.86

Number of transactions: 22 Number of accounts: 19	Debit	Credit	Proof
Grand Totals:	38,649.56	28,170.73-	10,478.83



LOCATION MAP



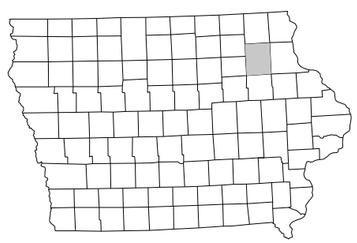
LOCATION MAP

IMPROVEMENTS TO

THE
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

REHABILITATE T-HANGAR TAXILANES
FAA AIP PROJECT NO. 3-19-0067-016-2026
OWNER: CITY OF OELWEIN, IA

IOWA ONE CALL
1-800-292-8989 | 811
www.iowaonecall.com



LOCATION MAP
FAYETTE COUNTY

AECOM
500 S.W. 7th STREET
SUITE 301
DES MOINES, IOWA 50309
515-244-1470
TELFAX 515-244-4803

AECOM
501 SYCAMORE STREET
SUITE 222
WATERLOO, IOWA 50703
319-232-6531
TELFAX 319-232-0271

LICENSED PROFESSIONAL ENGINEER
DAVID B. HUGHES
13037
IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Signature _____ Date 4/2/2026

DAVID B. HUGHES
Printed or Typed Name

My license renewal date is December 31, 2027

Pages or sheets covered by this seal: _____

SHEET LIST

QUANTITIES

ITEM No.	SPECIFICATION SECTION	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
1	C-105	MOBILIZATION AND DEMOBILIZATION	LS	1.0	
2	C-105	BARRICADES	LS	1.0	
3	P-101	PAVEMENT REMOVAL	SY	3,000.0	
4	P-152	UNCLASSIFIED EXCAVATION	CY	2,200.0	
5	P-154	FROST PROTECTION COURSE	CY	2,000.0	
6	P-154	GEOGRID	SY	3,300.0	
6	P-156	INSTALLATION AND REMOVAL OF SEDIMENT LOGS	LF	1,200.0	
7	P-208	AGGREGATE BASE COURSE - 6"	CY	620.0	
8	P-403	ASPHALT MIXTURE SURFACE COURSE	TON	750.0	
9	P-501	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT - 6"	SY	580.0	
10	P-603	EMULSIFIED ASPHALT PRIME COAT	GAL	1,100.0	
11	P-603	EMULSIFIED ASPHALT TACK COAT	GAL	300.0	
12	P-605	PCC PAVEMENT REJOINTING AND SEALING	LF	870.0	
13	P-605	CRACK ROUTING AND SEALING	LF	250.0	
14	P-620	AIRFIELD MARKING (YELLOW-REFLECTIVE-WATERBORNE)	SF	550.0	
15	P-620	AIRFIELD MARKING (BLACK-NONREFLECTIVE-WATERBORNE)	SF	1,050.0	
16	P-620	REFLECTIVE MEDIA (TYPE1, GRADATION A)	LB	35.0	
17	D-701	12 INCH REINFORCED CONCRETE PIPE	LF	180.0	
18	D-701	12 INCH FLARED END SECTIONS	EA	6.0	
19	D-705	4-INCH PERFORATED SUBDRAIN (SDR-35)	LF	1,000.0	
20	D-705	4-INCH NON-PERFORATED SUBDRAIN (SDR-35)	LF	250.0	
21	D-705	SUBDRAIN CLEANOUTS	EA	20.0	
22	T-901	SEEDING	AC	0.75	
23	T-905	TOPSOILING (OBTAINED ON SITE)	CY	200.0	
24	T-908	MULCHING, HYDRO APPLIED	AC	0.75	
25	L-110	4 INCH CONCRETE ENCASED SPLIT DUCT	LF	500.0	

NO	REVISIONS	DRN	CHK	DATE

DRN NOB
DES NOB
CHK DBH
APP DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

INDEX OF SHEETS AND QUANTITIES

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. G-002
DRAWING NO. -

10

$$USERS$$
$$DATE$$
$$DGN$$

LEGEND

	EXISTING TREE LINE
	EXISTING TREE
	EXISTING RUNWAY EDGE LIGHT
	EXISTING TAXIWAY EDGE LIGHT
	EXISTING LIGHT POLE
	EXISTING POWER POLE
	EXISTING MANHOLE
SAN	EXISTING SANITARY SEWER
UG-E	EXISTING UNDERGROUND ELECTRICAL CABLE
OH-E	EXISTING OVERHEAD ELECTRICAL CABLE
TP	EXISTING TELEPHONE PEDESTAL
	EXISTING CULVERT
	EXISTING AIRFIELD ELECTRICAL CABLE
	EXISTING RUNWAY END IDENTIFIER LIGHT
	EXISTING SUBDRAIN
	MONUMENT POINT
	PROPOSED TAXIWAY
WP	EXISTING WOOD POST
B-1	EXISTING BORING

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

GENERAL NOTES:

1. THE INFORMATION CONCERNING UNDERGROUND UTILITIES WAS COMPLETED FROM INFORMATION AND SKETCHES FURNISHED BY OR OBTAINED FROM UTILITY COMPANIES, THE OWNER OR THE NATIONAL WEATHER SERVICE. OWNER AND THE ENGINEER DO NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR IS ADVISED TO DETERMINE THE EXACT LOCATIONS FROM THE AVAILABLE SOURCES OF INFORMATION OR PROVIDE HIS OWN MEANS OF DETECTION. THE ONLY CASE IN WHICH THE ENGINEER WILL CONSIDER REDESIGN OR RELOCATION OF A PROPOSED FACILITY IN THE PROJECT IS WHEN AN EXISTING UTILITY IS LOCATED WITHIN THE LIMIT OF TWO VERTICAL LINES LOCATED ON THE EXTERIOR OF THE PROPOSED PIPE OR FACILITY. IN THIS CASE, THE ENGINEER WILL TRY TO HAVE THE UTILITY RELOCATED. IF SUCH A RELOCATION IS IMPOSSIBLE, HE WILL CONSIDER REDESIGN OR RELOCATION OF THE PROPOSED FACILITIES. IN BOTH CASES, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNDERGROUND UTILITIES AND SHALL NOT BE SEPARATELY COMPENSATED FOR DELAYS OR EXTRA COST.
2. CONTRACTOR SHALL NOTIFY AIRPORT PERSONNEL AND UTILITY COMPANIES BEFORE EXCAVATING IN ANY AREA.
3. CONTRACTOR SHALL COMPLY WITH ALL AIRPORT SECURITY REGULATIONS THAT MAY BE ESTABLISHED TO PROTECT AIRPORT OPERATIONS.
4. THE SAFETY OF THE AIRPORT PATRONS AND PERSONNEL, AS WELL AS THE CONTRACTOR'S PERSONNEL, IS PARAMOUNT THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL FOLLOW THE SAFETY GUIDELINES PRESENTED IN THE FAA AC NO. 150/5370-2, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION."
5. EQUIPMENT LEFT IN THE CONSTRUCTION AREA SHALL BE LOCATED OUTSIDE OF THE SAFETY AREAS FOR ADJACENT RUNWAY AND TAXIWAYS AND THE MAXIMUM EQUIPMENT HEIGHT SHALL BE 25'.
6. STOCKPILES AND MOUNDS IN THE CONSTRUCTION AREA GREATER THAN FIVE FEET IN HEIGHT SHALL BE APPROVED BY THE ENGINEER AND THE OWNER PRIOR TO PLACEMENT.
7. THE CONTRACTOR WILL BE REQUIRED TO UTILIZE THE DESIGNATED ACCESS ROUTE FOR THE PROJECT AREA.
8. THE CONTRACTOR SHALL APPLY NECESSARY MOISTURE TO THE CONSTRUCTION AREA AND HAUL ROADS TO PREVENT THE SPREAD OF DUST.
9. ALL CABLES DAMAGED SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR UNLESS OTHERWISE NOTED.
10. THE CONTRACTOR SHALL SEED ALL UNPAVED AREAS THAT ARE DISTURBED WITHIN THE DESIGNATED CONSTRUCTION LIMITS. THE SEEDING UNDER THIS CONTRACT SHALL BE COMPLETED WITHIN THE SEEDING SEASON AS SPECIFIED.

GENERAL CONSTRUCTION PHASING NOTES:

1. THE CONTRACTOR SHALL PHASE ALL WORK IN ACCORDANCE WITH THE SAFETY AND OPERATIONS PLAN, PHASING PLANS AND PHASING NOTES.
2. UNDER THE ITEM FOR MOBILIZATION, THE CONTRACTOR SHALL FURNISH, PLACE, AND MAINTAIN AIRFIELD TYPICAL BARRICADES, AS SHOWN ON THE PHASING PLANS AT THE LOCATIONS SHOWN.
3. THE CONTRACTOR SHALL GIVE THE CITY OF OELWEIN A MINIMUM OF 72 HOURS NOTICE OF A REQUEST TO CLOSE A TAXIWAY OR RUNWAY. ONCE PLACED, NO BARRICADES SHALL BE REMOVED WITHOUT APPROVAL OF THE CITY OF OELWEIN.
4. THE CONTRACTOR MUST MAKE SURE THAT ALL TAXIWAYS, ROADS AND APRON AREAS THAT ARE USED OR CROSSED BY CONSTRUCTION VEHICLES BE KEPT CLEAR OF DEBRIS AT ALL TIMES. ANY AREA DAMAGED DURING CONSTRUCTION MUST BE IMMEDIATELY RESTORED TO ITS ORIGINAL CONDITION BY THE CONTRACTOR AT NO COST TO THE CITY.
5. THE CONTRACTOR SHALL KEEP ACCESS DRIVE CLEAN AT ALL TIMES. ANY MATERIAL TRACKED ONTO THE HIGHWAY SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.

GENERAL COORDINATION

1. THE CONTRACTOR SHALL HAVE A GENERAL SUPERVISOR ON THE JOB AT ALL TIMES.
2. ALL EQUIPMENT AND VEHICLES SHALL BE MARKED WITH ROTATING YELLOW BEACONS OR 3' BY 3' ORANGE AND WHITE FLAGS IN ACCORDANCE WITH FAA AC 150/5370-2 (ADVISORY CIRCULAR CONTAINED IN SPECIFICATIONS).
3. CONSTRUCTION ACTIVITIES SHALL COMPLY WITH ALL APPLICABLE LOCAL, OSHA AND FAA SAFETY GUIDELINES, AS A MINIMUM THE CONTRACTOR SHALL FOLLOW THE FAA AC 150/5370-2.
4. THE CITY WILL DESIGNATE A REPRESENTATIVE WHO WILL ISSUE ALL NOTICES TO AIRMEN (NOTAMS) WITH THE FAA. THE CONTRACTOR SHALL COORDINATE THROUGH THE RESIDENT CONSTRUCTION REPRESENTATIVE.

CONTRACTOR'S RESPONSIBILITY

1. FOLLOW ALL PERTINENT CRITERIA SET FORTH IN THE GENERAL COORDINATION SECTION ALONG WITH ALL REQUIREMENTS NOTED IN THE CONTRACT DOCUMENTS.
2. ATTEND THE PRECONSTRUCTION CONFERENCE. INCLUDE CONSTRUCTION SUPERINTENDENT AND SUBCONTRACTORS' REPRESENTATIVES IN THE PRECONSTRUCTION CONFERENCE.
3. OBTAIN ALL NECESSARY PERMITS AND APPROVALS REQUIRED FOR THE PROJECT.
4. CONTACT AND COORDINATE WITH ALL UTILITIES AFFECTED BY THE CONSTRUCTION. TAKE ALL NECESSARY PRECAUTIONS TO VERIFY LOCATION OF AND PROTECT ALL EXISTING UTILITIES.
5. ALL ACTIONS OF THE CONTRACTOR'S EMPLOYEES, SUBS, AND SUPPLIERS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ALL EMPLOYEES, SUBS, AND SUPPLIERS MUST BE EDUCATED REGARDING RELATED WORK AND THE SAFETY REQUIREMENTS OF THE AIRCRAFT ACTIVE AREA AND PUBLIC SAFETY ADJACENT TO THE CONSTRUCTION AREA.
6. CONFINE ALL CONSTRUCTION PERSONNEL TO WITHIN THE CONSTRUCTION LIMITS.
7. PROJECT ACCESS, STAGING AREA, WASTE AREA, STOCKPILE AREA AND ALL HAUL ROADS AND AREAS DISTURBED BY THE CONTRACTOR OUTSIDE OF CONSTRUCTION LIMITS SHALL BE RESTORED TO ORIGINAL CONDITION INCLUDING TOPSOIL AND SEEDING AT JOB COMPLETION AT NO ADDITIONAL COST TO THE CITY.
8. PLACE ALL BARRICADES AND TEMPORARY MARKINGS AT LOCATIONS AS DIRECTED BY THE ENGINEER OR THE CITY. EXACT LOCATIONS WILL VARY DEPENDING ON AIRCRAFT OPERATIONS, CONSTRUCTION SCHEDULE AND CONSTRUCTION OPERATIONS. BARRICADES MUST REMAIN OUTSIDE THE SAFETY AREAS FOR ALL RUNWAYS AND TAXIWAYS.
9. MAINTAIN ALL BARRICADES AND LIGHTS.
10. CONTRACTOR SHALL SUBMIT A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) IDENTIFYING THE FOLLOWING FOR EACH MAJOR CONSTRUCTION OPERATION.
    A. PROPOSED WORK SEQUENCE.
    B. PROPOSED ACCESS POINTS, STAGING AREA AND HAUL ROUTES.
    C. ANY TEMPORARY MARKINGS TO BE USED.
    D. THE LOCATION AND TYPE OF BARRICADES OR OTHER TRAFFIC CONTROL DEVICES.
    E. AREAS TO WHICH CONSTRUCTION OPERATIONS WILL BE LIMITED, ALONG WITH PROPOSED MEASURES TO MINIMIZE THE POSSIBILITY OF CONTRACTOR EQUIPMENT AND/OR WORKERS ACCIDENTALLY ENTERING ANY AIR OPERATIONS.
11. PROVIDE 24 HOUR/7 DAY CONTACT INFORMATION FOR A REPRESENTATIVE SHOULD SAFETY PLAN COMPLIANCE ISSUES BE FOUND OUTSIDE NORMAL WORK HOURS.
12. WASTE AND LOOSE MATERIALS, COMMONLY REFERRED TO AS FOD, ARE CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEARS, PROPELLERS, AND JET ENGINES. CONSTRUCTION CONTRACTORS MUST NOT LEAVE OR PLACE FOD ON OR NEAR ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIALS CAPABLE OF CREATING FOD MUST BE CONTINUOUSLY REMOVED DURING THE CONSTRUCTION PROJECT. FENCING (OTHER THAN SECURITY FENCING) MAY BE NECESSARY TO CONTAIN MATERIAL THAT CAN BE CARRIED BY WIND INTO AREAS WHERE AIRCRAFT OPERATE. SEE AC 150/5210-24, FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT.
13. CONTRACTORS OPERATING CONSTRUCTION VEHICLES AND EQUIPMENT ON THE AIRPORT MUST BE PREPARED TO EXPEDITIOUSLY CONTAIN AND CLEAN-UP SPILLS RESULTING FROM FUEL OR HYDRAULIC FLUID LEAKS. TRANSPORT AND HANDLING OF OTHER HAZARDOUS MATERIALS ON AN AIRPORT ALSO REQUIRES SPECIAL PROCEDURES. SEE AC 150/5320-15, MANAGEMENT OF AIRPORT INDUSTRIAL WASTE.
14. CONSTRUCTION CONTRACTORS MUST CAREFULLY CONTROL AND CONTINOUSLY REMOVE WASTE OR LOOSE MATERIALS THAT MIGHT ATTRACT WILDLIFE. CONTRACTOR PERSONNEL MUST BE AWARE OF AND AVOID CONSTRUCTION ACTIVITIES THAT CAN CREATE WILDLIFE HAZARDS ON AIRPORTS, SUCH AS:TRASH, STANDING WATER,TALL GRASS AND SEEDS, AND POORLY MAINTAINED FENCING AND GATES.

CITY'S RESPONSIBILITIES

1. FOLLOW ALL PERTINENT CRITERIA SET FORTH UNDER GENERAL COORDINATION.
2. COORDINATE WITH THE FAA OPERATIONAL CONDITIONS REQUIRED BY THE PROJECT AND ISSUE ALL NOTAMS.

Item 3.

NO	REVISIONS	DRN	CHK	DATE

DRN NOB | DES DBH | CHK DBH | APP DBH

AECOM

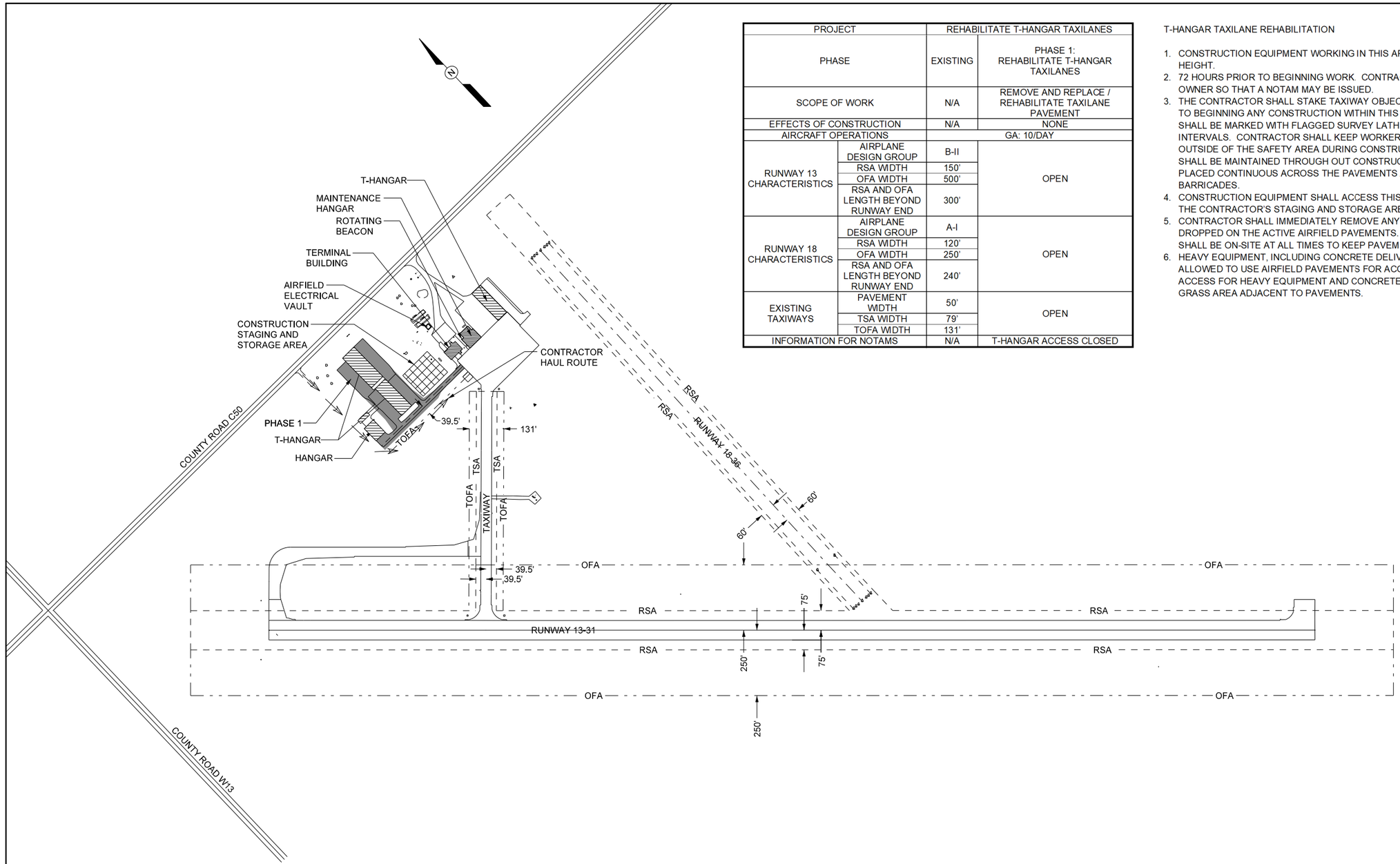
REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

GENERAL NOTES AND LEGEND

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. G-002
DRAWING NO. -

11

$USERS
$DATES
$DOWGS



PROJECT		REHABILITATE T-HANGAR TAXILANES	
PHASE		EXISTING	PHASE 1: REHABILITATE T-HANGAR TAXILANES
SCOPE OF WORK		N/A	REMOVE AND REPLACE / REHABILITATE TAXILANE PAVEMENT
EFFECTS OF CONSTRUCTION		N/A	NONE
AIRCRAFT OPERATIONS		GA: 10/DAY	
RUNWAY 13 CHARACTERISTICS	AIRPLANE DESIGN GROUP	B-II	OPEN
	RSA WIDTH	150'	
	OFA WIDTH	500'	
	RSA AND OFA LENGTH BEYOND RUNWAY END	300'	
RUNWAY 18 CHARACTERISTICS	AIRPLANE DESIGN GROUP	A-I	OPEN
	RSA WIDTH	120'	
	OFA WIDTH	250'	
	RSA AND OFA LENGTH BEYOND RUNWAY END	240'	
EXISTING TAXIWAYS	PAVEMENT WIDTH	50'	OPEN
	TSA WIDTH	79'	
	TOFA WIDTH	131'	
INFORMATION FOR NOTAMS		N/A	T-HANGAR ACCESS CLOSED

T-HANGAR TAXILANE REHABILITATION

1. CONSTRUCTION EQUIPMENT WORKING IN THIS AREA IS LIMITED TO 25 FEET IN HEIGHT.
2. 72 HOURS PRIOR TO BEGINNING WORK. CONTRACTOR SHALL NOTIFY THE OWNER SO THAT A NOTAM MAY BE ISSUED.
3. THE CONTRACTOR SHALL STAKE TAXIWAY OBJECT FREE AREA AT APRON PRIOR TO BEGINNING ANY CONSTRUCTION WITHIN THIS PHASE. THE SAFETY AREA SHALL BE MARKED WITH FLAGGED SURVEY LATHE LOCATED AT 25 FOOT INTERVALS. CONTRACTOR SHALL KEEP WORKERS, EQUIPMENT AND MATERIALS OUTSIDE OF THE SAFETY AREA DURING CONSTRUCTION. THESE SURVEY LATHE SHALL BE MAINTAINED THROUGH OUT CONSTRUCTION. BARRICADES SHALL BE PLACED CONTINUOUS ACROSS THE PAVEMENTS AND HAVE NO GAPS BETWEEN BARRICADES.
4. CONSTRUCTION EQUIPMENT SHALL ACCESS THIS CONSTRUCTION AREA FROM THE CONTRACTOR'S STAGING AND STORAGE AREA.
5. CONTRACTOR SHALL IMMEDIATELY REMOVE ANY MATERIAL TRACKED OR DROPPED ON THE ACTIVE AIRFIELD PAVEMENTS. A VACCUM TYPE SWEEPER SHALL BE ON-SITE AT ALL TIMES TO KEEP PAVEMENTS CLEAN.
6. HEAVY EQUIPMENT, INCLUDING CONCRETE DELIVERY MIXERS WILL NOT BE ALLOWED TO USE AIRFIELD PAVEMENTS FOR ACCESS TO THE WORK AREAS. ACCESS FOR HEAVY EQUIPMENT AND CONCRETE DELIVERY SHALL BE ALONG GRASS AREA ADJACENT TO PAVEMENTS.

SCALE 0' 200' 400'

NO	REVISIONS	DRN	CHK	DATE

DRN NOB
DES DBM
CHK DBH
APP DBH

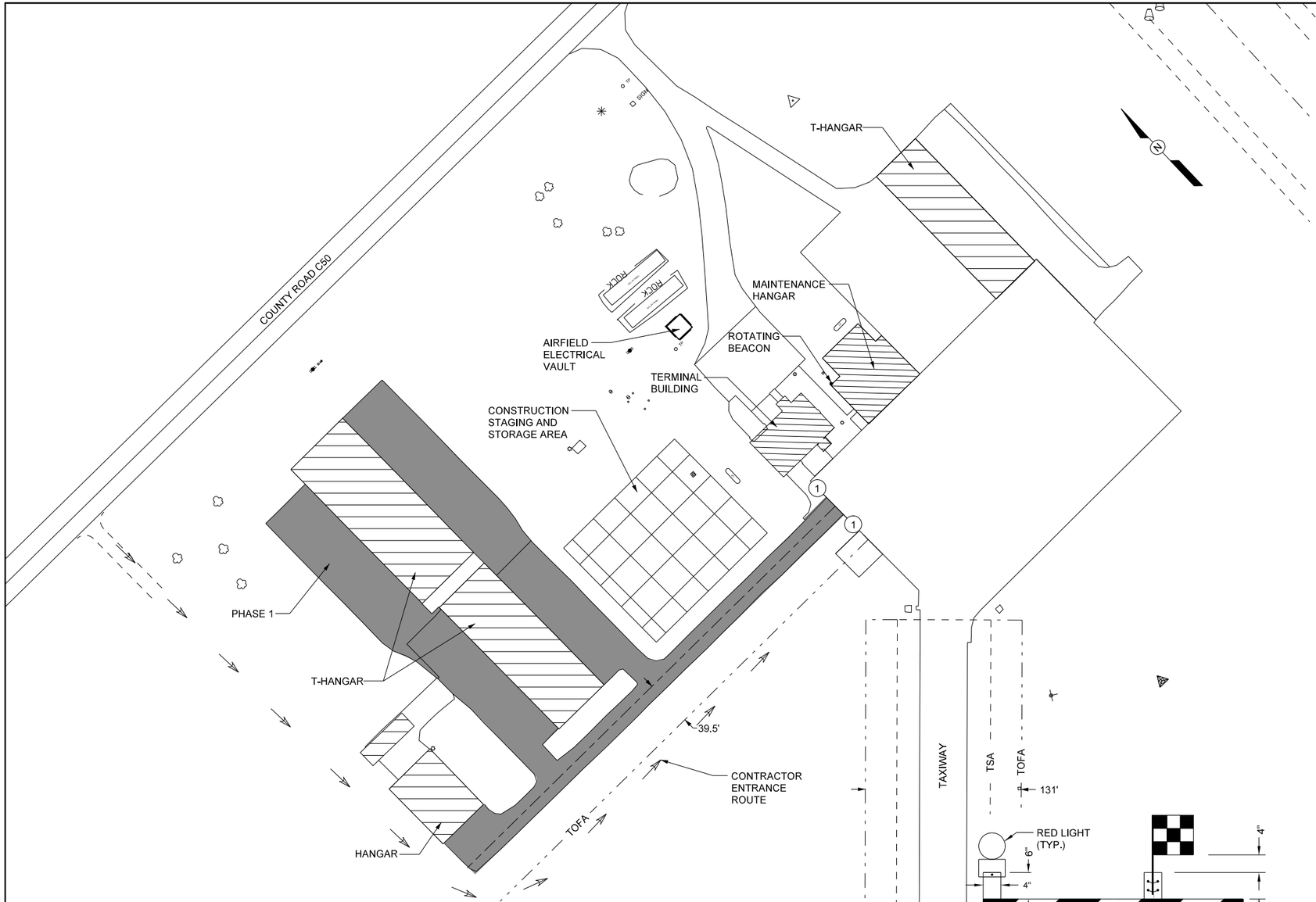
AECOM

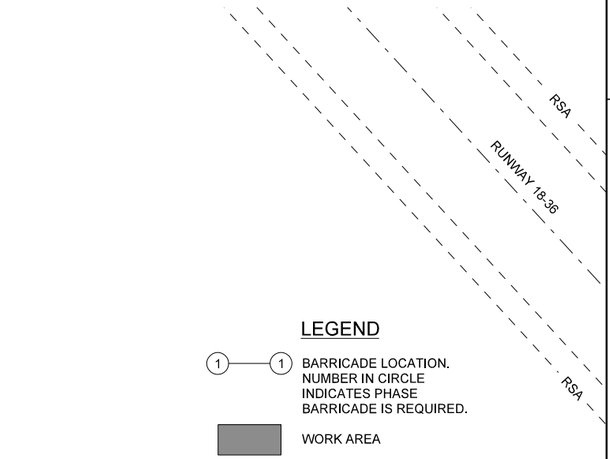
REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

CONSTRUCTION SAFETY AND OPERATIONS

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. G-003
DRAWING NO. -

$$USERS
$$DATE$$
$$DGN$$





PHASE 1

a. PRIOR TO BEGINNING WORK.
   - CONTRACTOR SHALL NOTIFY THE OWNER 72 HOURS IN ADVANCE OF TAXILANE CLOSURE SO A NOTAM MAY BE ISSUED
   - THE CONTRACTOR SHALL MARK THE TAXIWAY OBJECT FREE AREA (OFA). THE OBJECT FREE AREA SHALL BE MARKED WITH A SURVEY LATHE AND PAINT, LOCATED AT 25' INTERVALS. CONTRACTOR TO KEEP ALL WORKERS, EQUIPMENT AND MATERIALS OUTSIDE OF THESE AREAS DURING CONSTRUCTION. THESE SURVEY LATHES SHALL BE MAINTAINED THROUGHOUT THIS PHASE. VEHICLES, EQUIPMENT OR MATERIALS CANNOT BE PARKED, UNATTENDED OR STOCKPILED WITHIN THE OBJECT FREE AREA DURING CONSTRUCTION.
   - CONTRACTOR SHALL PLACE A ROW OF CONTINUOUSLY LINKED BARRICADES AT EACH BARRICADE LOCATION DESIGNATED AS "1".
b. WORK INCLUDES THE FOLLOWING:
   - PLACEMENT OF TEMPORARY EROSION CONTROL
   - REMOCAL OF PAVEMENT
   - EXCAVATION FO EXISTING SUBGRADE TO A DEPTH SUITABLE FOR THE PAVEMENT SECTION
     - SUITABLE TOPSOIL MATERIAL SHALL BE STRIPPED, SALVAGED, AND STOCKPILED FOR USE ON EARTHEN SHOULDERS.
   - PLACEMENT AND COMPACTION OF SUBBASE MATERIAL.
   - PAVING.
   - PLACEMENT OF EARTHEN SHOULDER.
c. UPON COMPLETION OF TAXILANE CONSTRUCTION, PLACE TAXILANE MARKINGS.
d. REMOVE ALL BARRICADES PRIOR TO REOPENING THE TAXILANE TO AIRCRAFT TRAFFIC.

LEGEND

(1)—(1) BARRICADE LOCATION. NUMBER IN CIRCLE INDICATES PHASE BARRICADE IS REQUIRED.

WORK AREA

TYPICAL BARRICADE

NOT TO SCALE

- BRACKETS TO ACCEPT 2 LIGHTS OR ONE LIGHT AND ONE FLAG. FACE TO BE BI-DIRECTIONAL ORANGE AND WHITE MARKINGS. BARRICADE TO BE CONTINUOUS ACROSS CLOSED PAVEMENTS.
- BARRICADES SHALL BE CONTINUOUSLY LINKED TO PREVENT CONSTRUCTION VEHICLES FROM ACCIDENTALY ENTERING AREAS OPEN TO AIRCRAFT TRAFFIC.
- BARRICADES SHALL BE PROPERLY WEIGHTED TO PREVENT MOVEMENT BY WIND, PROPELLER WASH, AND JET BLAST OF UP TO 75 M.P.H.
- LIGHTS SHALL BE OMNIDIRECTIONAL OR EVERY OTHER LIGHT SHALL BE ROTATED 90 DEGREES. LIGHTS SHALL BE SECURELY ATTACHED TO BOARD.
- LIGHTS SHALL BE SPACED NO MORE THAN 10 FEET.
- FLAGS SHALL BE ALTERNATING ORANGE AND WHITE FLAGS AT LEAST 20 BY 20 INCH (50 BY 50 CM) SQUARE AND SECURELY FASTENED TO ELIMINATE FOD.
- LIGHTS MUST BE RED, EITHER STEADY BURNING OR FLASHING AND MUST MEET THE LUMINANCE REQUIREMENTS OF THE STATE HIGHWAY DEPARTMENT. LIGHTS MUST BE OPERATED BETWEEN SUNSET AND SUNRISE AND DURING PERIODS OF LOW VISIBILITY WHENEVER THE AIRPORT IS OPEN FOR OPERATIONS.

SCALE 0' 50' 100'

NO	REVISIONS	DRN	CHK	DATE

DRN NOB
DES DBM
CHK DBH
APP DBH

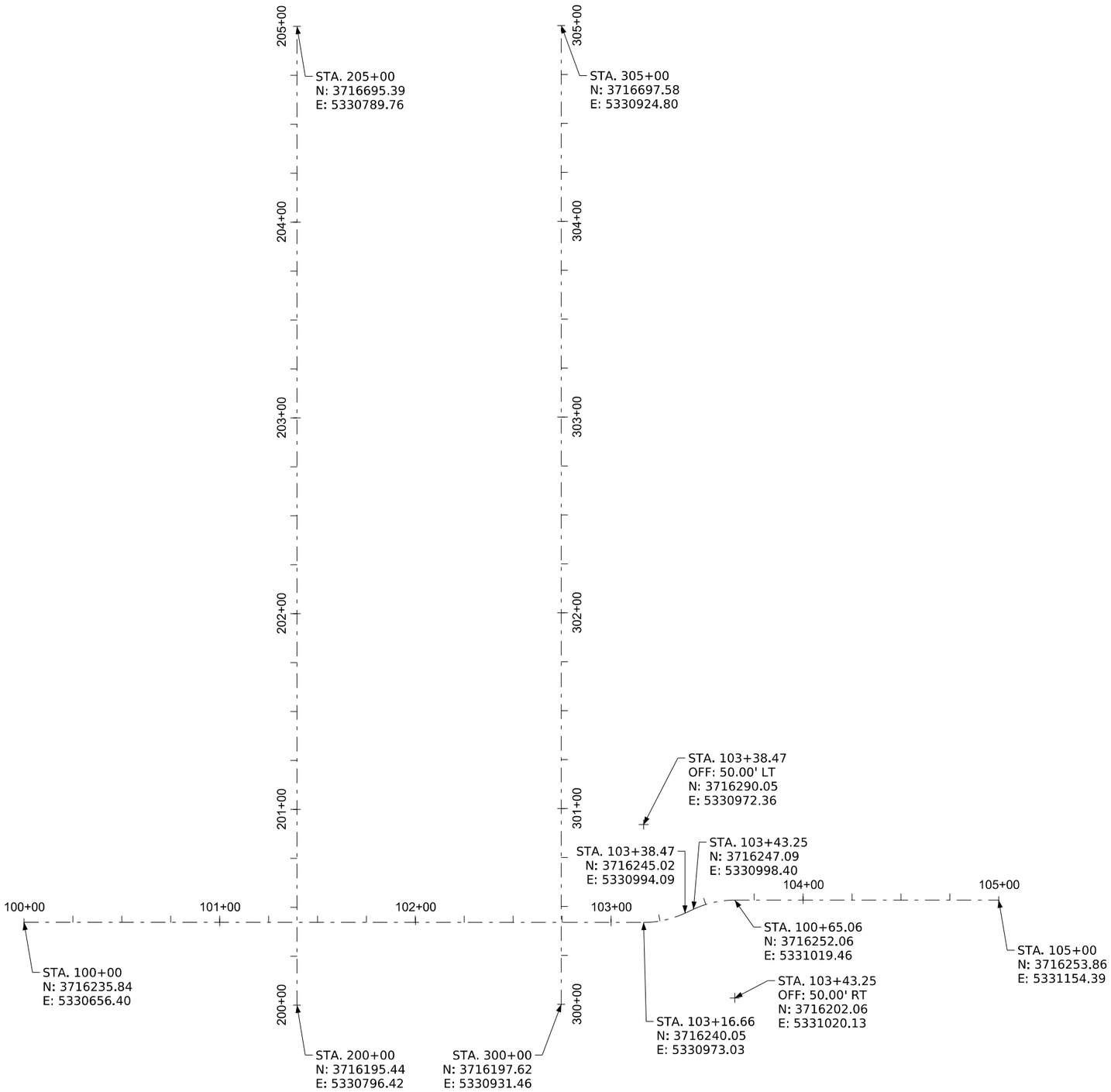
AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

PHASING

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. G-004
DRAWING NO. - 13

$$USERS$$
$$DATES$$
$$SIGNS$$



SCALE 0' 30' 60'

DRN	NOB		
DES	NOB		
CHK	DBH		
APP	DBH		

NO	REVISIONS	DRN	CHK	DATE

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

ALIGNMENTS AND CONTROL POINTS

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. G-100
DRAWING NO. -

$$USERS
$$DATE$$
$$DGNS

Taxiway and Hanger Approach Pavement Rehabilitation
19623 40th St | Oelwein, IA
Terracon Project No. 13255070

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Log No. 1

Location: See Exploration Plan
Latitude: 42.684675° Longitude: -91.975727°

Model Layer	Graphic Log	Depth (Ft.)	Elevation: 1080.5 (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	HP (psf)	Strength Test: Test Type	Strength Test: Compressive Strength (psf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
1		0.7	**ASPHALT** 1079.8													
1		1.5	**CRUSHED STONE**, with fines 1079													
2		3.0	**FILL - LEAN CLAY**, trace gravel, dark brown and brown 1077.5				18	11-12-11 N=23					20.5			
4		10.5	**SANDY LEAN CLAY (CL)**, trace gravel, gray and brown, medium stiff 1070	5			13			UC	2276	15	17.0	115	36-15-21	56.6
							18	3-4-4 N=8 2500 (HP)					14.3			
				10			16	2-4-4 N=8	3500				15.4			

Boring Terminated at 10.5 Feet

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevations were provided by AECOM and rounded to nearest tenth of a foot.

Notes
frost observed to about 3 feet

Water Level Observations
None observed while drilling
None observed after drilling

Advancement Method
Hollow Stem Auger

Abandonment Method
Boring backfilled with soil cuttings, sand, and capped with asphalt upon completion.

Drill Rig
589
Hammer Type
Automatic
Driller
CL
Logged by
JD
Boring Started
02-06-2026
Boring Completed
02-06-2026

Taxiway and Hanger Approach Pavement Rehabilitation
19623 40th St | Oelwein, IA
Terracon Project No. 13255070

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Log No. 2

Location: See Exploration Plan
Latitude: 42.684663° Longitude: -91.976580°

Model Layer	Graphic Log	Depth (Ft.)	Elevation: 1078.9 (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	HP (psf)	Strength Test: Test Type	Strength Test: Compressive Strength (psf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
1		0.5	**ASPHALT** 1078.4													
1		1.0	**CRUSHED STONE**, with fines 1077.9													
2		4.0	**FILL - SANDY LEAN CLAY**, trace gravel, dark brown and brown 1074.9				18	12-17-17 N=34					19.0			
4		10.5	**SANDY LEAN CLAY (CL)**, trace gravel, with occasional sand layers, gray and brown, medium stiff 1068.4	5			12	4-3-2 N=5					16.0			
							16		1500	UC	1611	15	18.4	114		
				10			18	3-4-4 N=8	2500				15.4			

Boring Terminated at 10.5 Feet

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevations were provided by AECOM and rounded to nearest tenth of a foot.

Notes
frost observed to about 3 feet

Water Level Observations
9' observed while sampling
None observed after drilling

Advancement Method
Hollow Stem Auger

Abandonment Method
Boring backfilled with soil cuttings, sand, and capped with asphalt upon completion.

Drill Rig
589
Hammer Type
Automatic
Driller
CL
Logged by
JD
Boring Started
02-06-2026
Boring Completed
02-06-2026

Facilities | Environmental | Geotechnical | Materials

DATE	DRN	CHK

REVISIONS | NO

DRN KRN
DES DBH
CHK DBH
APP DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

BORING LOGS

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. B-100
DRAWING NO. - 15

$USERS
$DATE$
$DOCNAME

Taxiway and Hanger Approach Pavement Rehabilitation
19623 40th St | Oelwein, IA
Terracon Project No. 13255070

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Log No. 3

Location: See Exploration Plan
Latitude: 42.684817° Longitude: -91.976280°
Depth (Ft.) Elevation: 1079.3 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	HP (psf)	Strength Test: Test Type	Strength Test: Compressive Strength (psf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
1		0.2 1079.1 **ASPHALTIC CEMENT CONCRETE** **CRUSHED STONE**, with fines 1.5 1077.8												
2		**FILL - SANDY LEAN CLAY**, trace gravel, gray and brown 2.5 1076.8			18	8-9-6 N=15					20.1			
4		**SANDY LEAN CLAY (CL)**, trace gravel, gray and brown, medium stiff to stiff			8	2000 (HP)					16.7	116		
					17	3-3-4 N=7 3000 (HP)					15.7			
					18	3-4-5 N=9 3500 (HP)					16.1			
		10.5 1068.8 **Boring Terminated at 10.5 Feet**												

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevations were provided by AECOM and rounded to nearest tenth of a foot.

Notes

Water Level Observations
None observed while drilling
None observed after drilling

Advancement Method
Hollow Stem Auger

Abandonment Method
Boring backfilled with soil cuttings, sand, and capped with asphalt upon completion.

Drill Rig
589

Hammer Type
Automatic

Driller
CL

Logged by
JD

Boring Started
02-09-2026

Boring Completed
02-09-2026

Taxiway and Hanger Approach Pavement Rehabilitation
19623 40th St | Oelwein, IA
Terracon Project No. 13255070

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Log No. 4

Location: See Exploration Plan
Latitude: 42.684967° Longitude: -91.976605°
Depth (Ft.) Elevation: 1079.3 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	HP (psf)	Strength Test: Test Type	Strength Test: Compressive Strength (psf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
1		0.5 1078.8 **ASPHALTIC CEMENT CONCRETE** **CRUSHED STONE**, with fines 1.5 1077.8												
2		**FILL - SANDY LEAN CLAY**, trace gravel, brown and dark brown 3.5 1075.8			18	8-15-22 N=37					16.5			
4		**SANDY LEAN CLAY (CL)**, trace gravel, with occasional sand seams, gray and brown, medium stiff to stiff			7		5000				16.8	115		
					14	1-2-4 N=6 1500 (HP)					15.9			
					14	2-4-5 N=9 3000 (HP)					15.8			
		10.5 1068.8 **Boring Terminated at 10.5 Feet**												

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevations were provided by AECOM and rounded to nearest tenth of a foot.

Notes

Water Level Observations
None observed while drilling
None observed after drilling

Advancement Method
Hollow Stem Auger

Abandonment Method
Boring backfilled with soil cuttings, sand, and capped with asphalt upon completion.

Drill Rig
589

Hammer Type
Automatic

Driller
CL

Logged by
JD

Boring Started
02-06-2026

Boring Completed
02-06-2026

Facilities | Environmental | Geotechnical | Materials

DATE	DRN	CHK
REVISIONS		
NO		

DRN KRN
DES DBH
CHK DBH
APP DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

BORING LOGS

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. B-101
DRAWING NO. - 16

$USERS
$DATE$3
$DOCNS

Taxiway and Hanger Approach Pavement Rehabilitation
19623 40th St | Oelwein, IA
Terracon Project No. 13255070

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Log No. 5

Location: See Exploration Plan
Latitude: 42.685249° Longitude: -91.976312°
Depth (Ft.) Elevation: 1078.6 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	HP (psf)	Strength Test: Test Type	Strength Test: Compressive Strength (psf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
1		0.6 1078 **CONCRETE**												
1		1.5 1077.1 **CRUSHED STONE**, with fines												
2		3.0 1075.6 **FILL - SANDY LEAN CLAY**, trace gravel, brown and gray			16	9-12-13 N=25					19.7			
3		7.0 1071.6 **SILTY SAND (SM)**, trace clay, fine to medium grained, brown, very loose	5		12	2-2-1 N=3					20.2			
4		11.0 1067.6 **SANDY LEAN CLAY (CL)**, trace gravel, brown, medium stiff			12	2-1-4 N=5 1500 (HP)					17.2			
		Boring Terminated at 11 Feet	10		13			UC	2277	12.6	14.7	121		

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevations were provided by AECOM and rounded to nearest tenth of a foot.

Notes

Water Level Observations
8' observed while drilling
5' observed after drilling
Cave-in at 5.5' after drilling

Advancement Method
Hollow Stem Auger

Abandonment Method
Boring backfilled with soil cuttings, sand, and capped with concrete upon completion.

Drill Rig
589

Hammer Type
Automatic

Driller
CL

Logged by
JD

Boring Started
02-09-2026

Boring Completed
02-09-2026

Taxiway and Hanger Approach Pavement Rehabilitation
19623 40th St | Oelwein, IA
Terracon Project No. 13255070

Terracon
3105 Capital Way, Ste 5
Cedar Falls, IA

Boring Log No. 6

Location: See Exploration Plan
Latitude: 42.685431° Longitude: -91.976687°
Depth (Ft.) Elevation: 1078.0 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	HP (psf)	Strength Test: Test Type	Strength Test: Compressive Strength (psf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
1		0.5 1077.5 **CONCRETE**												
1		1.0 1077 **CRUSHED STONE**, with fines												
2		4.0 1074 **FILL - SANDY LEAN CLAY (CL)**, trace gravel, dark brown and gray			18	9-14-19 N=33					12.7			
													28-13-15	47.4
3		**SANDY LEAN CLAY (CL)**, with occasional sand seams, trace gravel, gray and light brown, medium stiff	5		15	2-2-3 N=5 1000 (HP)					17.4			
4		11.0 1067			14	0-3-5 N=8	2000				15.9			
		Boring Terminated at 11 Feet	10		18			UC	2897	6	15.6	119		

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevations were provided by AECOM and rounded to nearest tenth of a foot.

Notes
frost observed to about 3 feet

Water Level Observations
9' observed while sampling
8' observed after drilling
Cave-in at 8' after drilling

Advancement Method
Hollow Stem Auger

Abandonment Method
Boring backfilled with soil cuttings, sand, and capped with concrete upon completion.

Drill Rig
589

Hammer Type
Automatic

Driller
CL

Logged by
JD

Boring Started
02-06-2026

Boring Completed
02-06-2026

Facilities | Environmental | Geotechnical | Materials

Item 3.

DATE | CHK | DRN | REVISIONS | NO

DRN KRN
DES DBH
CHK DBH
APP DBH

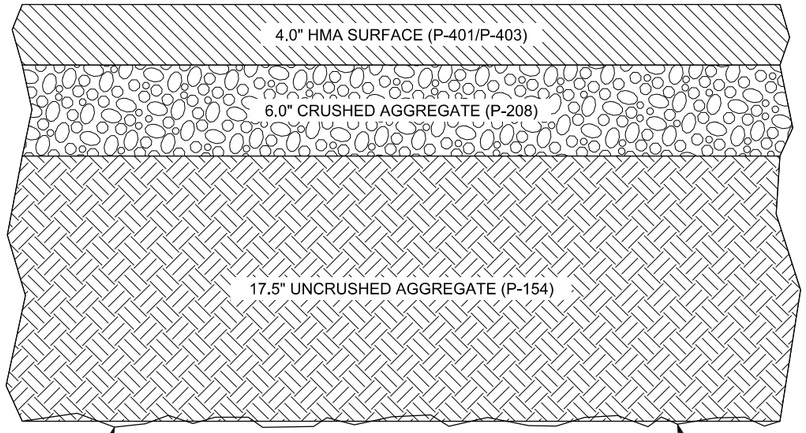
AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

BORING LOGS

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. B-102
DRAWING NO. -

ISSUERS
SDATES
SDONAS

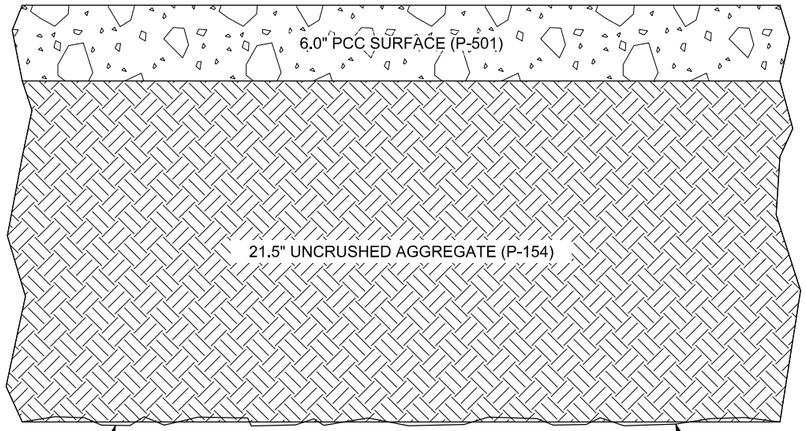


SCARIFY & RECOMPACT TOP 6 INCHES OF EXISTING SUBGRADE PRIOR TO INSTALLATION OF GEOGRID

INSTALL IOWA DOT APPROVED TRI-AXIAL GEOGRID FOR SOIL STABILIZATION MEETING REQUIREMENTS OF TABLE 4196.01-5B OF IOWA DOT STANDARD SPECIFICATIONS FOR HIGHWAY & BRIDGE CONSTRUCTION (CURRENT EDITION).

PROPOSED HMA SECTION

NOT TO SCALE



SCARIFY & RECOMPACT TOP 6 INCHES OF EXISTING SUBGRADE PRIOR TO INSTALLATION OF GEOGRID

INSTALL IOWA DOT APPROVED TRI-AXIAL GEOGRID FOR SOIL STABILIZATION MEETING REQUIREMENTS OF TABLE 4196.01-5B OF IOWA DOT STANDARD SPECIFICATIONS FOR HIGHWAY & BRIDGE CONSTRUCTION (CURRENT EDITION).

PROPOSED PCC SECTION

NOT TO SCALE

NO	REVISIONS	DRN	CHK	DATE

DRN KRN
DES DBH
CHK DBH
APP DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

TYPICAL SECTIONS

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. C-100
DRAWING NO. -

$$USERS
$$DATE$$
$$DGNS

COUNTY ROAD C50

CD104

CD103

CD101

CD102

205+00
204+00
203+00
202+00
201+00
200+00
305+00
304+00
303+00
302+00
301+00
300+00
100+00
101+00
102+00
103+00
104+00
105+00

TP
SIGN
SOLAR PANEL
SOLAR PANEL
TERMINAL
MAINTENANCE HANGAR
T-HANGAR

SCALE 0' 30' 60'

NO	REVISIONS	DRN	CHK	DATE

DRN	DBM	
DES	DBM	
CHK	DBH	
APP	DBH	

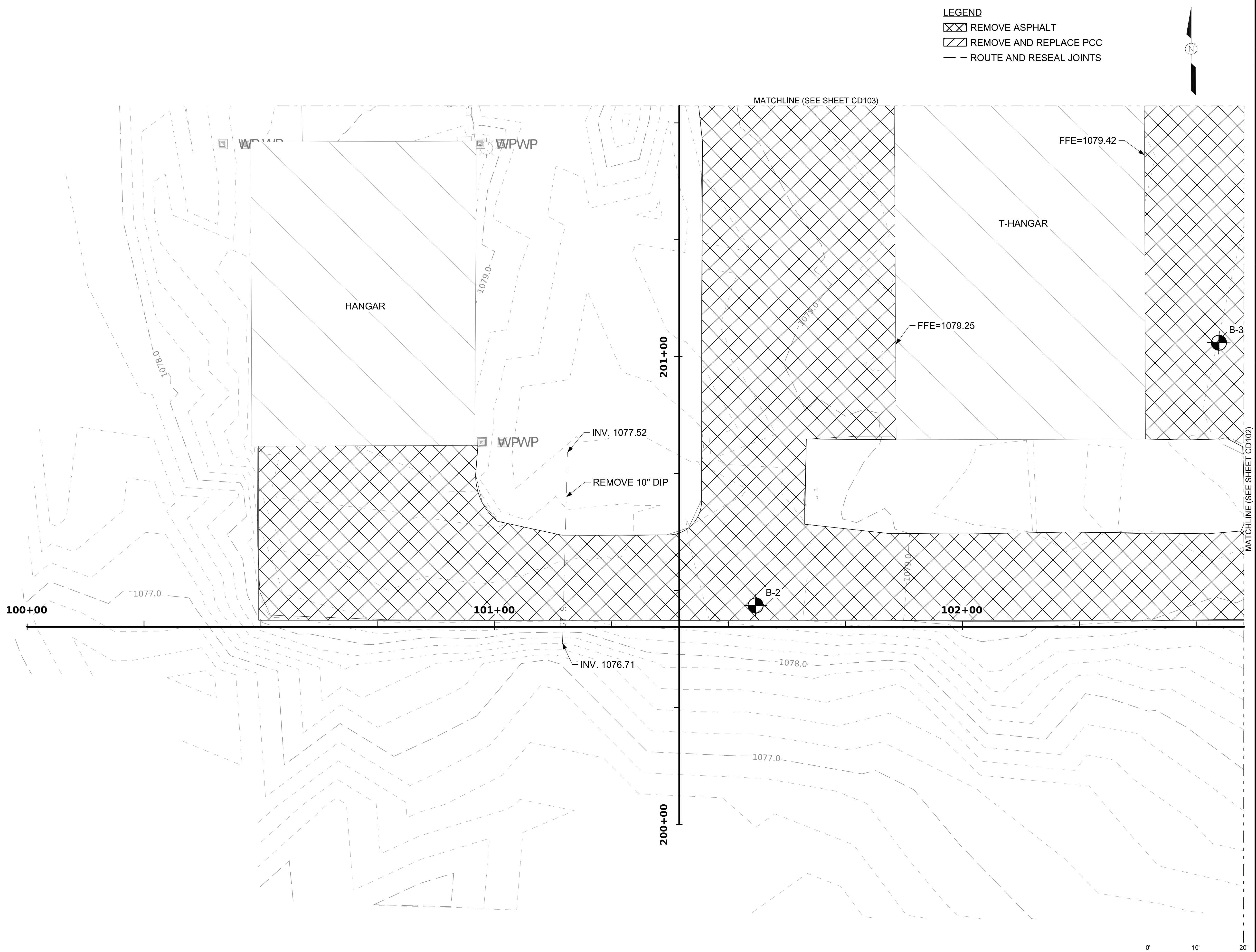
AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

EXISTING CONDITIONS AND DEMOLITION PLAN

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CD100
DRAWING NO. -

$$USERS
$$DATE$$
$$DGNS



Item 3.

NO	REVISIONS	DRN	CHK	DATE

DRN	DBM
DES	DBM
CHK	DBH
APP	DBH

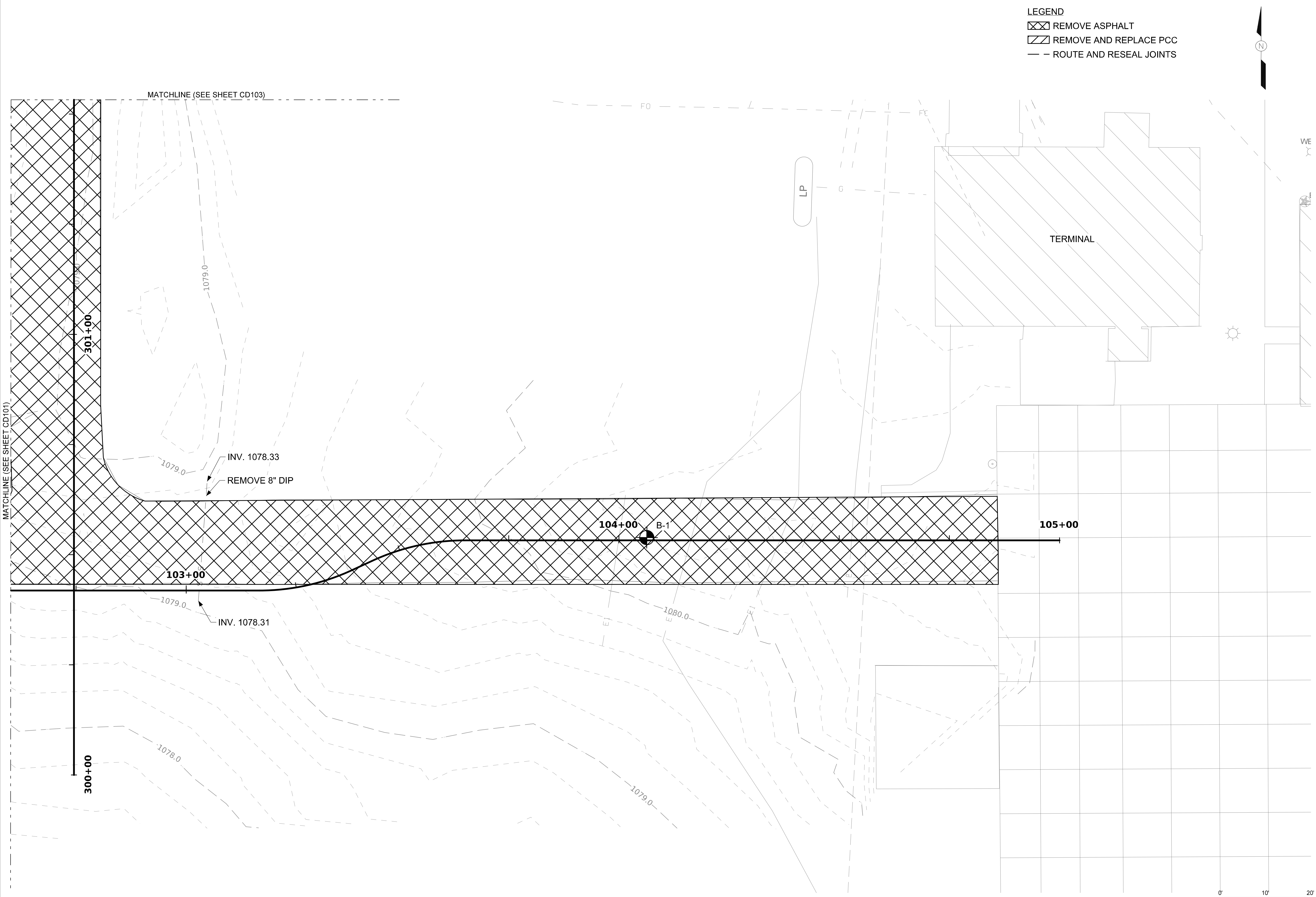
AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

EXISTING CONDITIONS AND DEMOLITION PLAN

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CD101
DRAWING NO. -

Item 3.



REVISIONS

NO		DRN	CHK	DATE

DRN	DBM
DES	DBM
CHK	DBH
APP	DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

EXISTING CONDITIONS AND DEMOLITION PLAN

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CD102
DRAWING NO. -

LEGEND
- REMOVE ASPHALT
- REMOVE AND REPLACE PCC
- ROUTE AND RESEAL JOINTS

MATCHLINE (SEE SHEET CD104)

T-HANGAR

203+00

202+00

303+00

302+00

B-5

FFE=1078.64

FFE=1079.34

B-4

1078.0

1079.0

E1

FO

MATCHLINE (SEE SHEET CD101)

MATCHLINE (SEE SHEET CD102)

SCALE 0' 10' 20'

NO	REVISIONS	DRN	CHK	DATE

DRN DBM
DES DBM
CHK DBH
APP DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

EXISTING CONDITIONS AND DEMOLITION PLAN

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CD103
DRAWING NO. -

$ISSUERS
$DATES
$ISSUES

LEGEND
- REMOVE ASPHALT
- REMOVE AND REPLACE PCC
- ROUTE AND RESEAL JOINTS

COUNTY ROAD C50

205+00

204+00

305+00

304+00

1079.0
1078.0
1077.0
1076.0
1075.0
1077.0

UB

T1

FO

T-HANGAR

FFE=1078.64

B-6

MATCHLINE (SEE SHEET CD103)

SCALE 0' 10' 20'

NO	REVISIONS	DRN	CHK	DATE

DRN	DBM	
DES	DBM	
CHK	DBH	
APP	DBH	

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

EXISTING CONDITIONS AND DEMOLITION PLAN

DATE APR 2, 2026

PROJECT NO. 60777499

FILENAME

SHEET NO. CD104

DRAWING NO. -

$$USER$$
$$DATE$$
$$DOC#$$

COUNTY ROAD C50

CS104

CS103

CS101

CS102

205+00
204+00
203+00
202+00
201+00
200+00
305+00
304+00
303+00
302+00
301+00
300+00
100+00
101+00
102+00
103+00
104+00
105+00

N

SCALE 0' 30' 60'

NO	REVISIONS	DRN	CHK	DATE

DRN NOB
DES DBM
CHK DBH
APP DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

GEOMETRICS

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CS100
DRAWING NO. -

$$USERS
$$DATE$$
$$DGN$$

LEGEND
ASPHALT PAVING
PCC PAVING

N

STA: 200+80.90
OFF: 91.38' LT

STA: 200+81.09
OFF: 43.70' LT

STA: 201+14.40
OFF: 9.98' LT

STA: 101+21.45
OFF: 18.07' LT

STA: 100+95.77
OFF: 17.54' LT

STA: 200+82.28
OFF: 14.80' RT

STA: 200+82.28
OFF: 46.41' RT

STA: 300+82.02
OFF: 35.37' LT

STA: 300+82.13
OFF: 14.72' LT

STA: 101+57.54
OFF: 18.07' LT

STA: 102+07.02
OFF: 10.71' LT

STA: 102+56.50
OFF: 18.08' LT

STA: 100+48.09
OFF: 9.98' RT

100+00
101+00
102+00
200+00
201+00

MATCHLINE (SEE SHEET CS102)

NO	REVISIONS	DRN	CHK	DATE

DRN NOB
DES DBM
CHK DBH
APP DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

GEOMETRICS

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CS101
DRAWING NO. -

25

SCALE 0' 10' 20' 20'-0"

$$USERS
$$DATE$$
$$DGNNS

LEGEND
ASPHALT PAVING
PCC PAVING

MATCHLINE (SEE SHEET CS103)

STA: 301+25.41
OFF: 10.02' RT

301+00

MATCHLINE (SEE SHEET CS101)

STA: 300+71.34
OFF: 18.07' RT

STA: 103+51.59
OFF: 12.28' LT

104+00

105+00

STA: 104+85.83
OFF: 10.04' LT

103+00

STA: 103+54.19
OFF: 12.18' RT

STA: 103+93.28
OFF: 9.96' RT

STA: 104+85.96
OFF: 9.96' RT

STA: 103+29.56
OFF: 12.02' RT

300+00

LP

SCALE 0' 10' 20'

NO	REVISIONS	DRN	CHK	DATE

DRN NOB
DES DBM
CHK DBH
APP DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

GEOMETRICS

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CS102
DRAWING NO. -

26

$$USER$$
$$DATE$$
$$DGN$$

LEGEND
ASPHALT PAVING
PCC PAVING

MATCHLINE (SEE SHEET CS104)

203+00

303+00

T-HANGAR

MATCH EXISTING EDGE

MATCH EXISTING EDGE

STA: 202+26.72
OFF: 37.50' RT

STA: 202+26.84
OFF: 45.74' RT

STA: 202+26.55
OFF: 10.00' LT

STA: 302+11.41
OFF: 35.99' LT

STA: 302+12.03
OFF: 10.00' RT

202+00

302+00

T-HANGAR

MATCHLINE (SEE SHEET CS101)

MATCHLINE (SEE SHEET CS102)

SCALE 0' 10' 20'

NO	REVISIONS	DRN	CHK	DATE

DRN NOB
DES DBM
CHK DBH
APP DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

GEOMETRICS

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CS103
DRAWING NO. -

$$USERS$$
$$DATE$$
$$DRGNS$$

LEGEND
ASPHALT PAVING
PCC PAVING

COUNTY ROAD C50

205+00

204+00

305+00

304+00

T-HANGAR

MATCH EXISTING EDGE

MATCH EXISTING EDGE

MATCHLINE (SEE SHEET CS103)

SCALE 0' 10' 20'

NO	REVISIONS	DRN	CHK	DATE

DRN	NOB	
DES	DBM	
CHK	DBH	
APP	DBH	

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

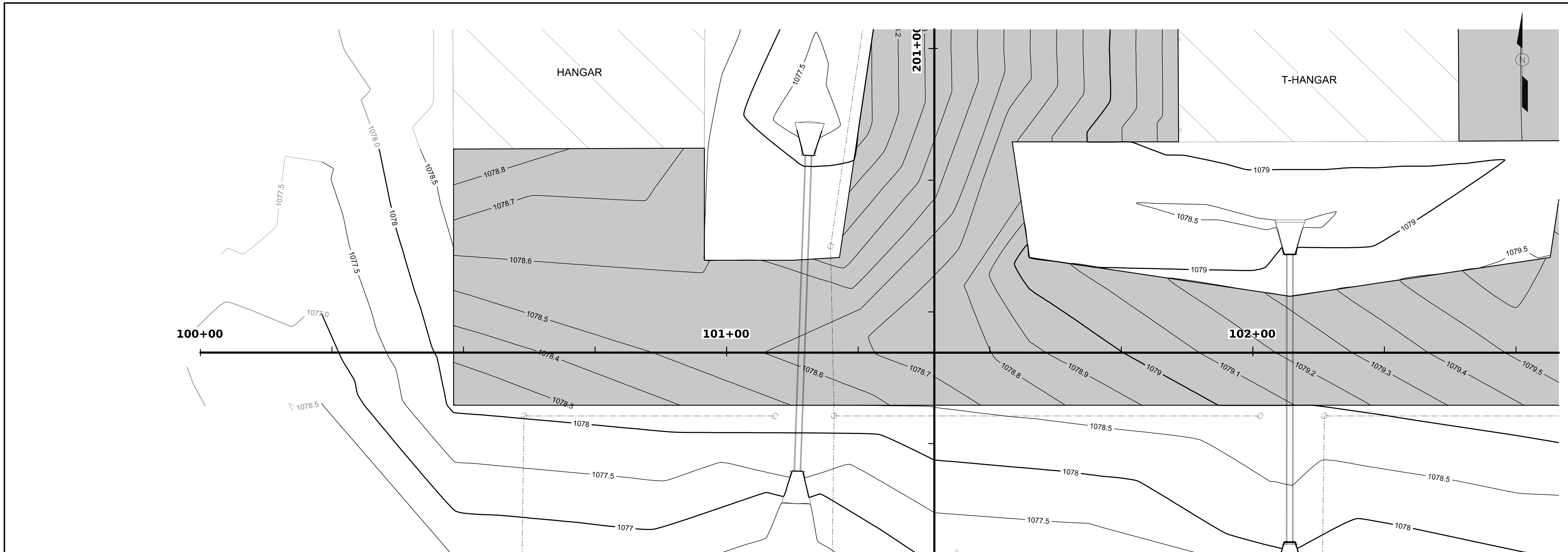
GEOMETRICS

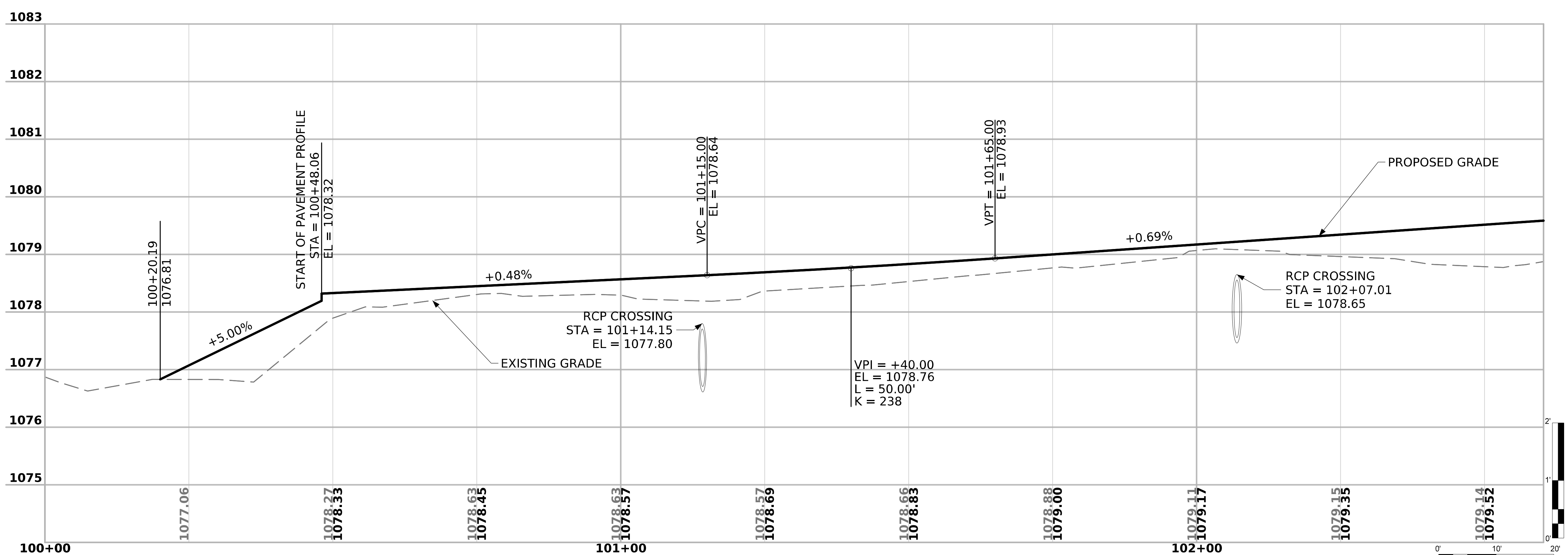
DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CS104
DRAWING NO. -

28

$$USERS
$$DATE$$
$$DGNS

Item 3.




START OF PAVEMENT PROFILE
STA = 100+48.06
EL = 1078.32
100+20.19
1076.81
+5.00%
+0.48%
VPC = 101+15.00
EL = 1078.64
VPT = 101+65.00
EL = 1078.93
+0.69%
PROPOSED GRADE
EXISTING GRADE
RCP CROSSING
STA = 101+14.15
EL = 1077.80
VPI = +40.00
EL = 1078.76
L = 50.00'
K = 238
RCP CROSSING
STA = 102+07.01
EL = 1078.65
1083
1082
1081
1080
1079
1078
1077
1076
1075
1077.06
1078.27
1078.33
1078.63
1078.45
1078.63
1078.57
1078.57
1078.69
1078.66
1078.83
1078.88
1079.00
1079.11
1079.17
1079.15
1079.35
1079.14
1079.52
100+00
101+00
102+00
SCALE
0'
10'
20'

NO	REVISIONS	DRN	CHK	DATE

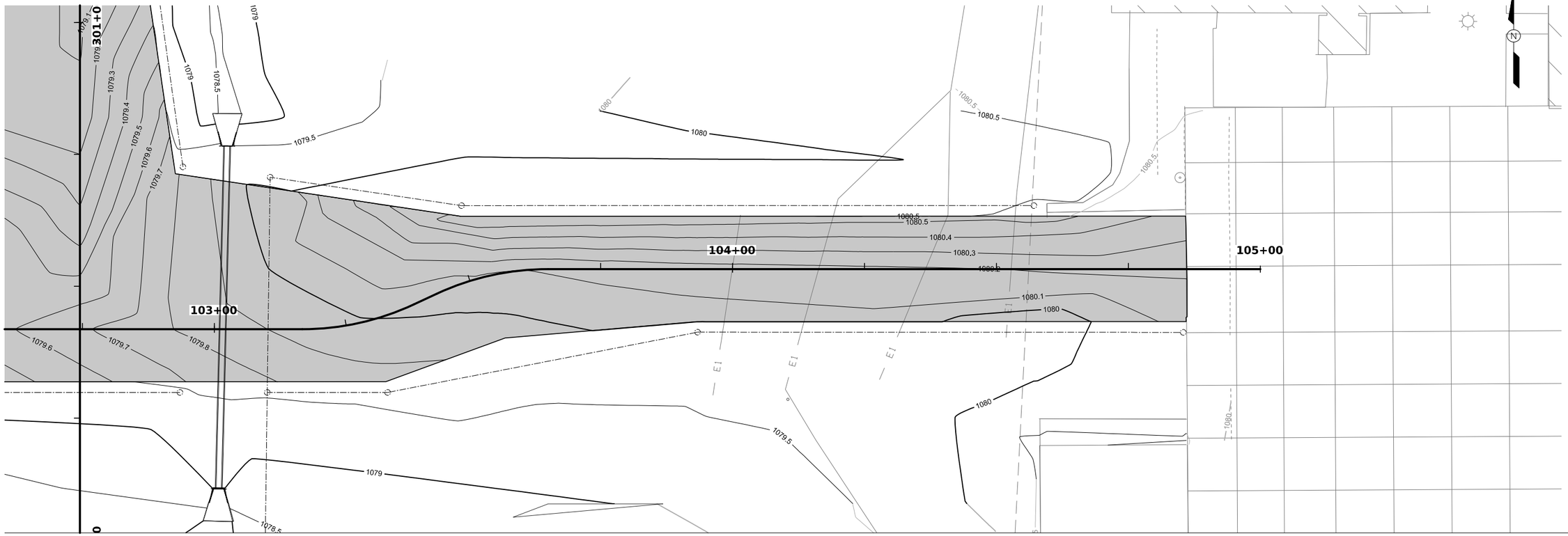
DRN	DBM
DES	DBM
CHK	DBH
APP	DBH

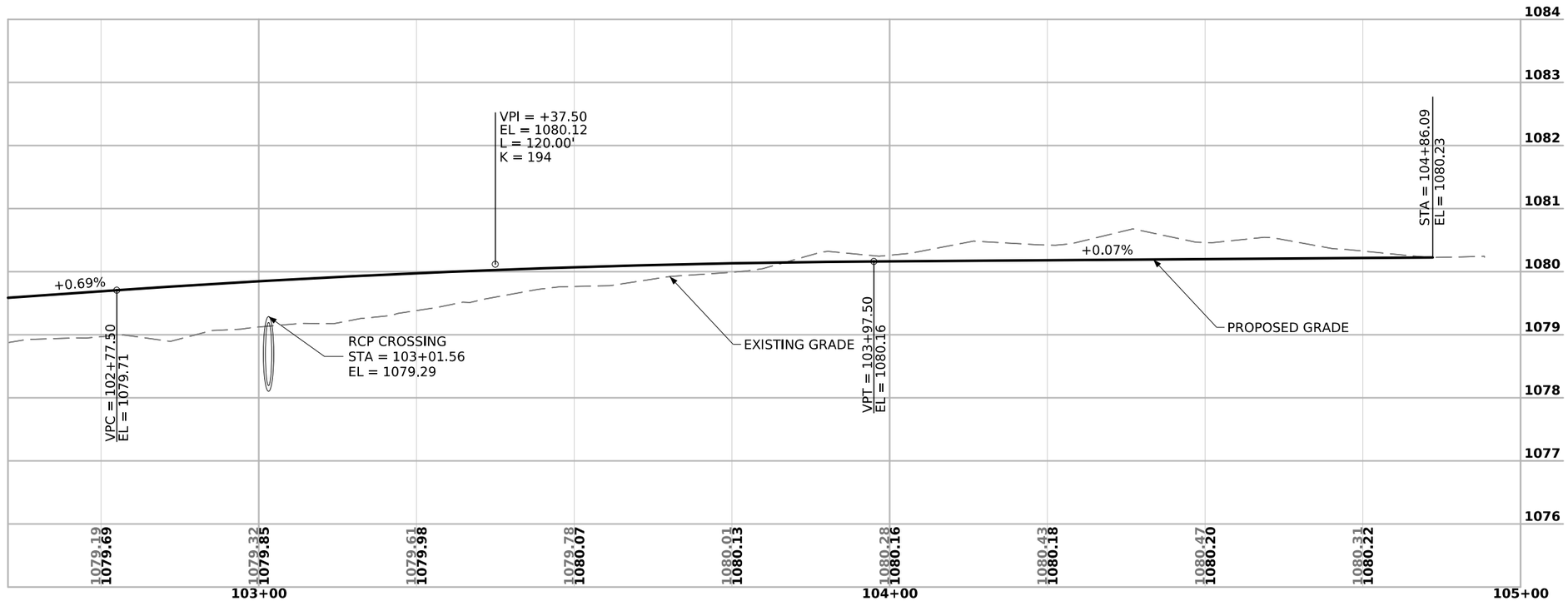
AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

PLAN AND PROFILE

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CS201
DRAWING NO. -





NO	REVISIONS	DRN	CHK	DATE

DRN	DBM
DES	DBM
CHK	DBH
APP	DBH

AECOM

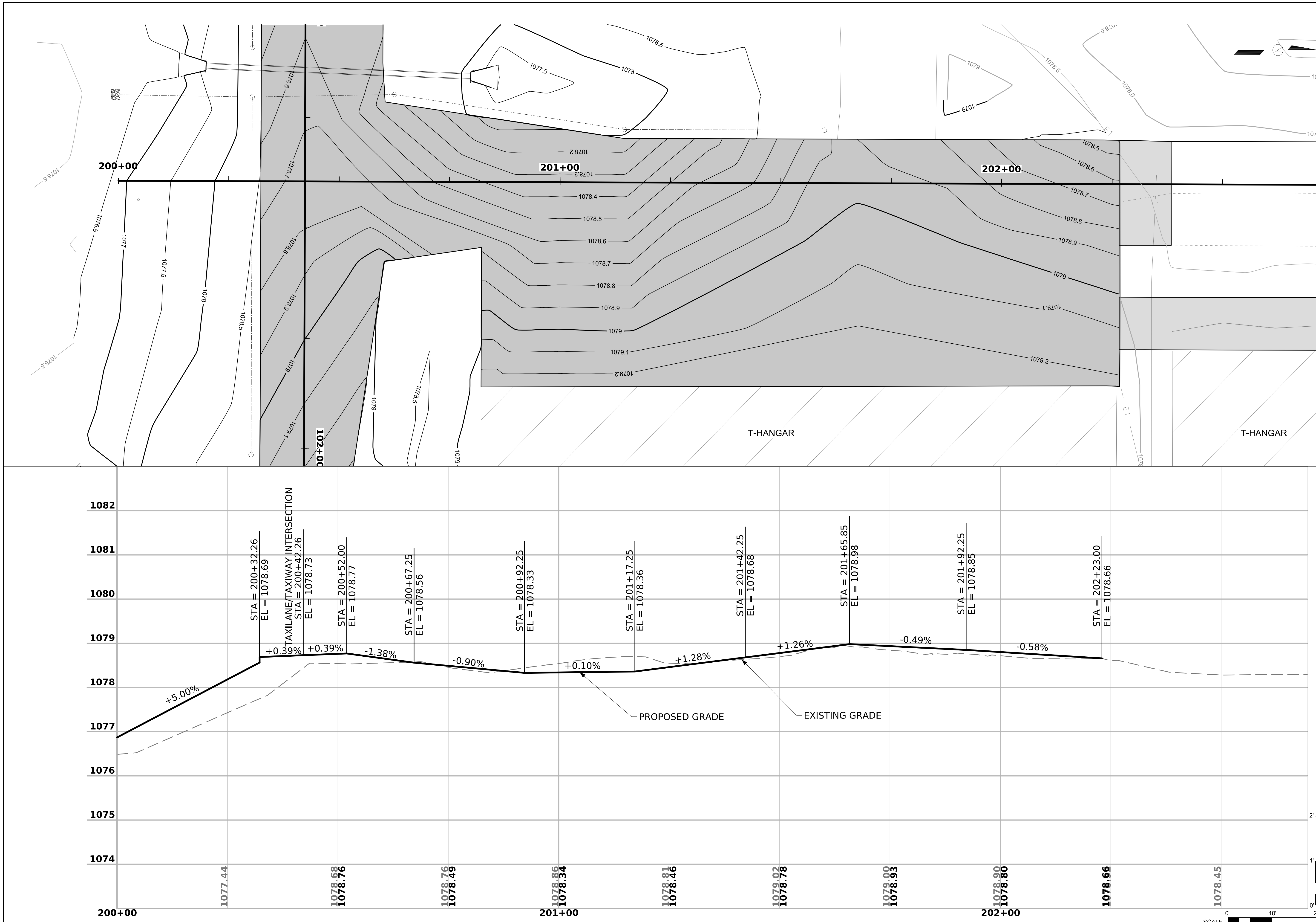
REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

PLAN AND PROFILE

SCALE 0' 10' 20' / 0' 1' 2'

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CS202
DRAWING NO. - 30

$$USERS
$$DATE$$
$$DGNS



$$USER$$
$$DATE$$
$$DGN$$

Item 3.

NO	REVISIONS	DRN	CHK	DATE

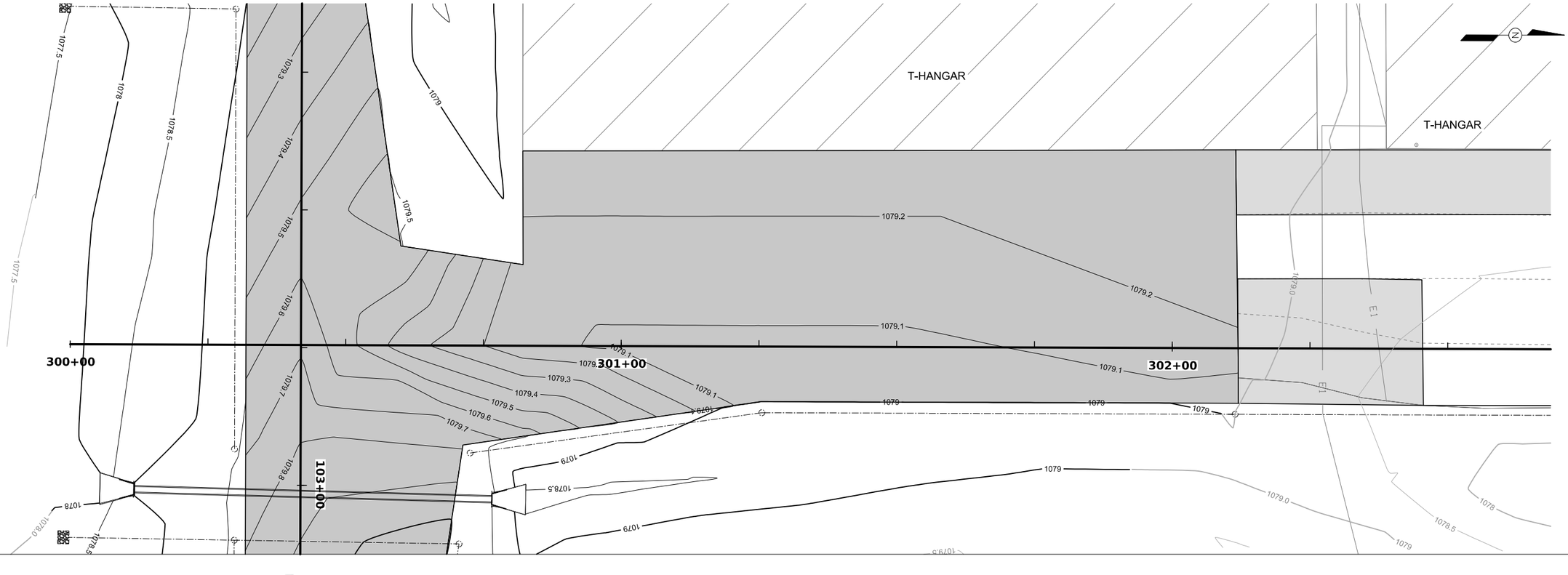
DRN DBM
DES DBM
CHK DBH
APP DBH

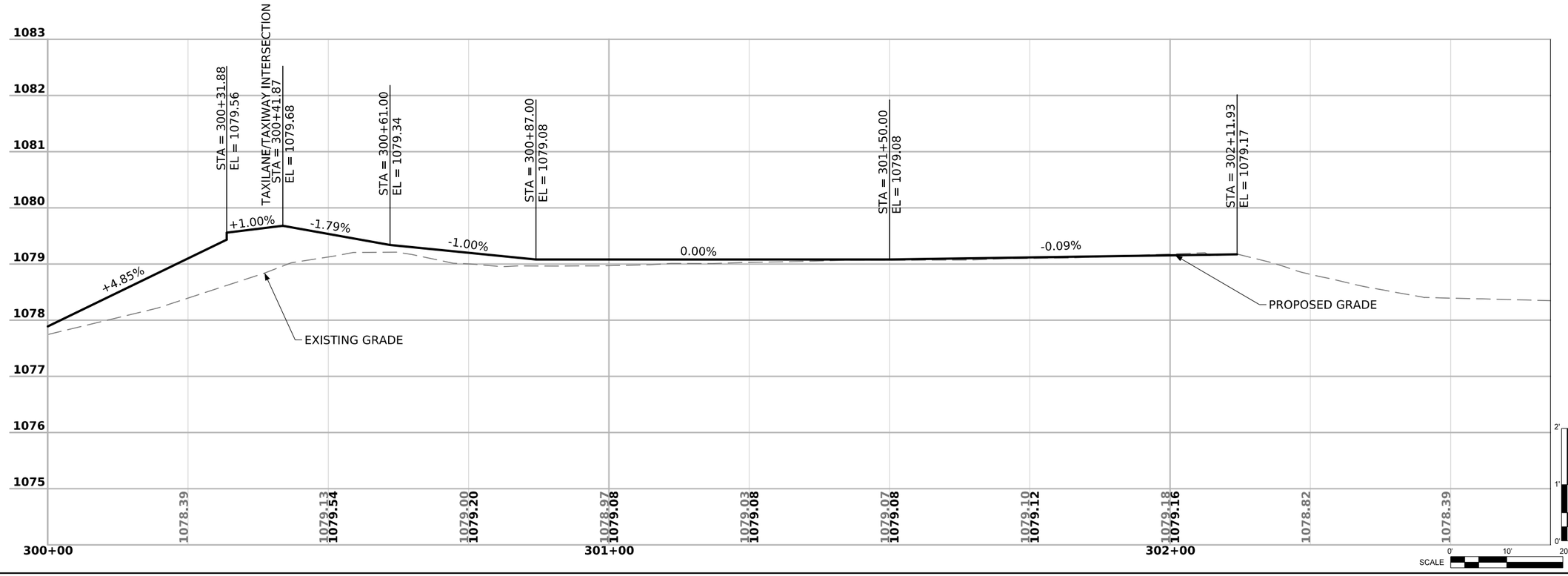
AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

PLAN AND PROFILE

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CS203
DRAWING NO. -





DATE
DRN CHK
REVISIONS
NO

DRN DBM
DES DBM
CHK DBH
APP DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

PLAN AND PROFILE

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CS204
DRAWING NO. -

32

CG104

CG103

CG101

CG102

205+00
204+00
203+00
202+00
201+00
200+00
305+00
304+00
303+00
302+00
301+00
300+00
100+00
101+00
102+00
103+00
104+00
105+00

SIGN
TP
SOLAR PANEL
SOLAR PANEL

SCALE 0' 30' 60'

NO	REVISIONS	DRN	CHK	DATE

DRN	KRN
DES	DBM
CHK	DBH
APP	DBH

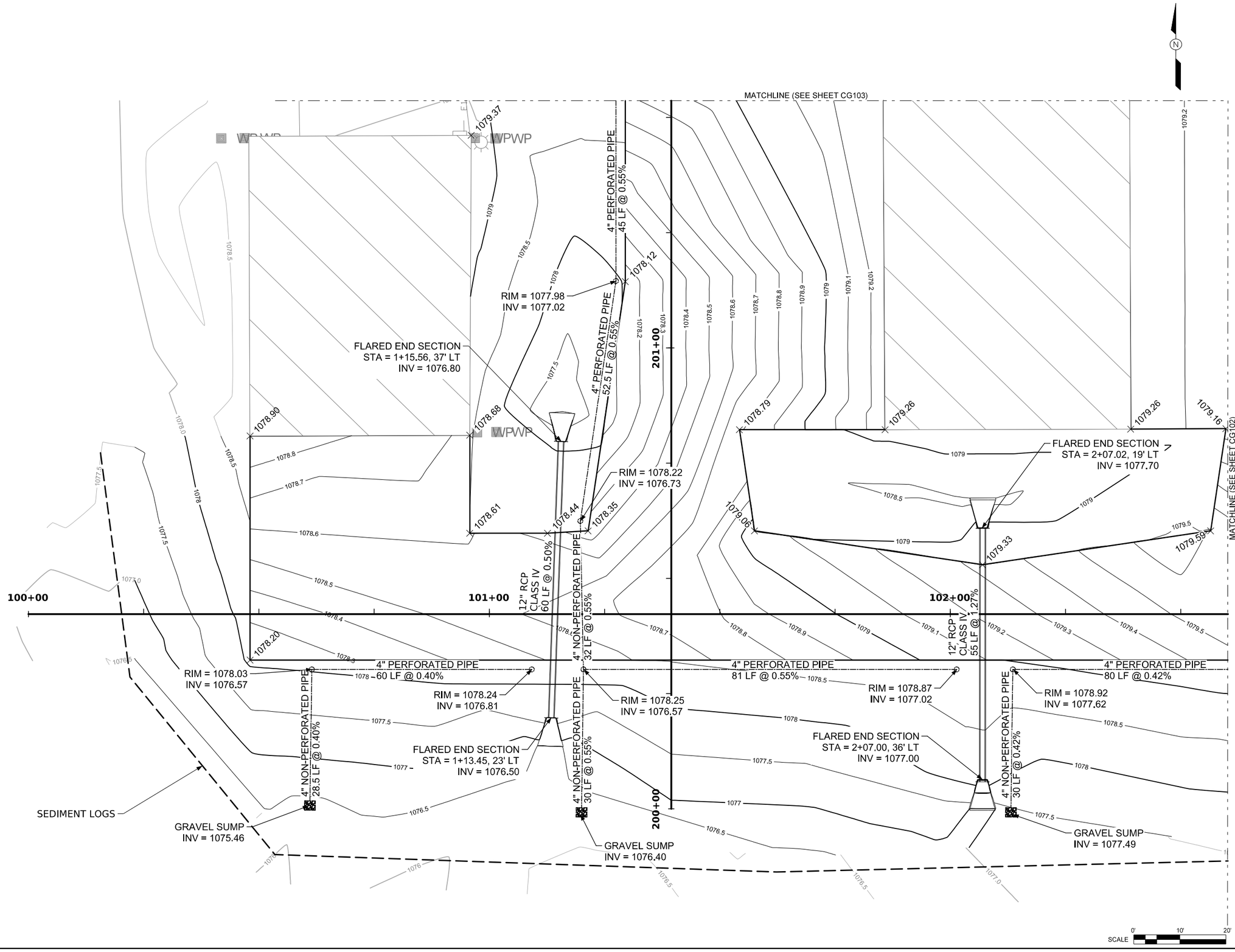
AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

GRADING AND DRAINAGE

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CG100
DRAWING NO. -
33

$$USERS
$$DATES
$$DGNS



DRN	KRN
DES	DBM
CHK	DBH
APP	DBH

NO	REVISIONS	DRN	CHK	DATE

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

GRADING AND DRAINAGE

DATE
APR 2, 2026

PROJECT NO.
60777499

FILENAME

SHEET NO.
CG101

DRAWING NO.
-

34

$$USERS$$
$$DATE$$
$$DGNS$$

MATCHLINE (SEE SHEET CG103)

MATCHLINE (SEE SHEET CG101)

4" PERFORATED PIPE
86 LF @ 0.65%

RIM = 1078.85
INV = 1077.61

301+00

4" PERFORATED PIPE
53.5 LF @ 0.65%

FLARED END SECTION
STA = 3+02.40, 35' Lt
INV = 1078.40

RIM = 1079.68
INV = 1077.93

RIM = 1079.86
INV = 1078.52

4" PERFORATED PIPE
37 LF @ 0.46%

RIM = 1080.39
INV = 1078.69

4" PERFORATED PIPE
108 LF @ 0.46%

RIM = 1080.53
INV = 1079.19

1080.61

1080.55
1080.54
1080.52
1080.36

104+00

105+00

12" RCP
CLASS IV
65 LF @ 0.85%

4" NON-PERFORATED PIPE
41 LF @ 0.46%

103+00

RIM = 1079.87
INV = 1078.73

1080.05

4" PERFORATED PIPE
91.5 LF @ 0.49%

1080.14

RIM = 1080.17
INV = 1079.17

RIM = 1079.45
INV = 1077.95

RIM = 1079.56
INV = 1078.33

4" PERFORATED PIPE
60 LF @ 0.49%

4" PERFORATED PIPE
80 LF @ 0.42%

4" PERFORATED PIPE
23 LF @ 0.49%

RIM = 1079.65
INV = 1078.44

FLARED END SECTION
STA = 3+00.89, 30' LT
INV = 1077.85

4" NON-PERFORATED PIPE
30 LF @ 0.49%

300+00

GRAVEL SUMP
INV: 1078.18

SEDIMENT LOGS

SCALE 0' 10' 20'

DRN	KRN
DES	DBM
CHK	DBH
APP	DBH

NO	REVISIONS	DRN	CHK	DATE

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

GRADING AND DRAINAGE

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CG102
DRAWING NO. -

MATCHLINE (SEE SHEET CG104)

203+00

303+00

4" PERFORATED PIPE
187 LF @ 0.65%

SEDIMENT LOGS

SEDIMENT LOGS

202+00

302+00

1078.42
1079.17
1079.21
1079.26
1079.26
1079.01
1078.81
1078.87
1078.92

RIM = 1079.00
INV = 1077.05

RIM = 1078.77
INV = 1077.27

4" PERFORATED PIPE
86 LF @ 0.65%

MATCHLINE (SEE SHEET CG101)

MATCHLINE (SEE SHEET CG102)

SCALE 0' 10' 20'

NO	REVISIONS	DRN	CHK	DATE

DRN	KRN	
DES	DBM	
CHK	DBH	
APP	DBH	

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

GRADING AND DRAINAGE

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CG103
DRAWING NO. -

$$USERS$$
$$DATE$$
$$DGNS$$

205+00

305+00

204+00

304+00

1078.0

1077.0

1077.0

1077.0

1076.0

1075

1075

1075.5

UB

FO

1076

1076.5

1077

1077.5

T1

T1

GRAVEL SUMP
INV: 1075.50

SEDIMENT LOGS

4" NON-PERFORATED PIPE
50.5 LF @ 0.65%

1078

1078.5

FO

RIM = 1078.05
INV = 1075.83

SEDIMENT LOGS

4" PERFORATED PIPE
187 LF @ 0.65%

1077.0

1078.0

1078.5

FO

SEDIMENT LOGS

MATCHLINE (SEE SHEET CG103)

SCALE 0' 10' 20'

$SUSERS$
$SDATE$
$SDGN$

NO	REVISIONS	DRN	CHK	DATE

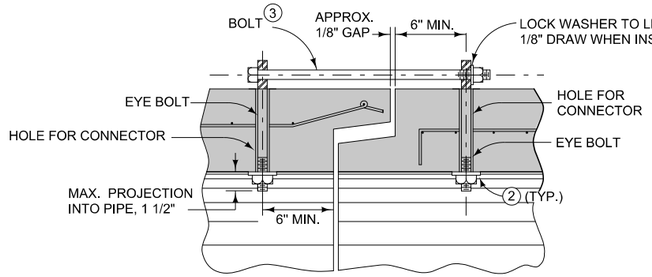
DRN KRN
DES DBM
CHK DBH
APP DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

GRADING AND DRAINAGE

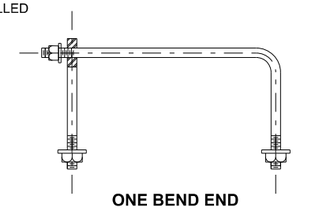
DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CG104
DRAWING NO. -



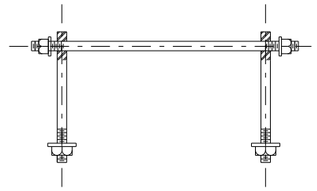
SECTION OF PIPE CONNECTOR
(CONCRETE PIPE TO CONCRETE PIPE)

(2) 1 3/4 INCH ROUND X 9/64 INCH THICK WASHER OR 3 IN. X 3 IN. X 1/4 IN. SQUARE PLATE (SHAPED TO PIPE RADIUS).

(3) CONNECTORS WITH ONE BEND END AND BELL END SPACERS ALLOWED PER MATERIALS I.M. 451. REFER TO OPTIONAL BOLTS DETAILS.

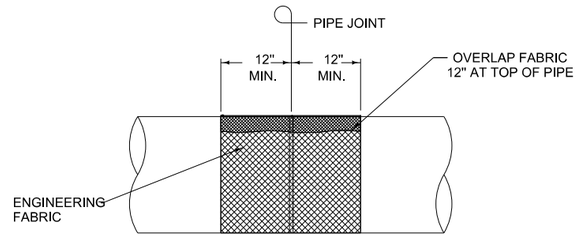


ONE BEND END

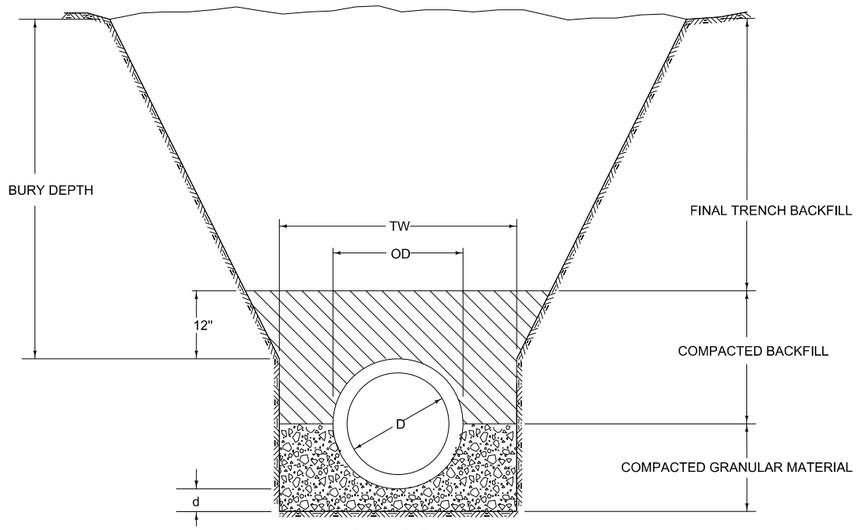


THREADED AT BOTH ENDS

OPTIONAL BOLTS/CONNECTORS



PIPE JOINT WRAPPING



CLASS B
GRANULAR FOUNDATION
NOT TO SCALE

REFER TO THE CONTRACT DOCUMENTS FOR SPECIFIC MATERIAL AND PLACEMENT REQUIREMENTS.

KEY

H = BACKFILL COVER ABOVE TOP OF PIPE

OD = OUTSIDE DIAMETER OF PIPE

D = INSIDE DIAMETER OF PIPE

TW = TRENCH WIDTH AT TOP OF PIPE

d = DEPTH OF BEDDING MATERIAL BELOW PIPE

DEPTH OF BEDDING MATERIAL BELOW PIPE	
D	d
27" AND SMALLER	3"
30" TO 60"	4"
66" AND LARGER	6"

NO	REVISIONS	DRN	CHK	DATE

DRN KRN
DES DBH
CHK DBH
APP DBH

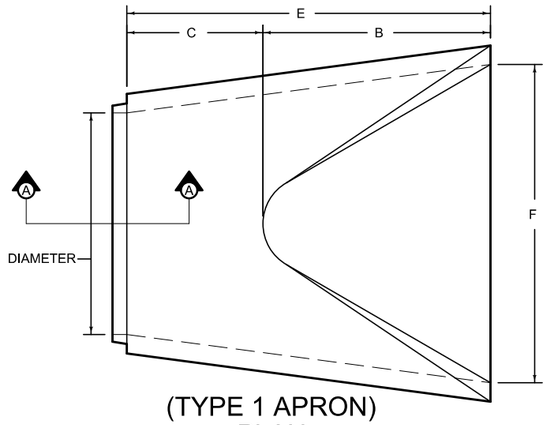
AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

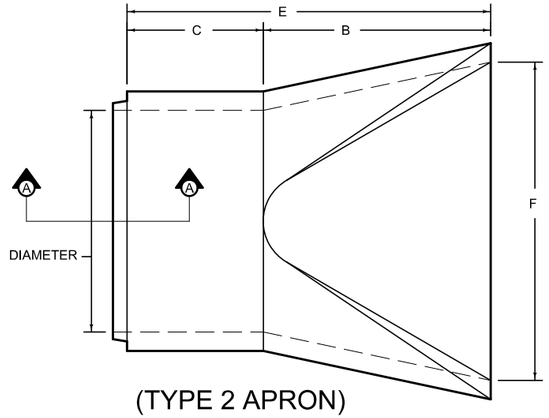
GRADING AND DRAINAGE DETAILS

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CG500
DRAWING NO. -

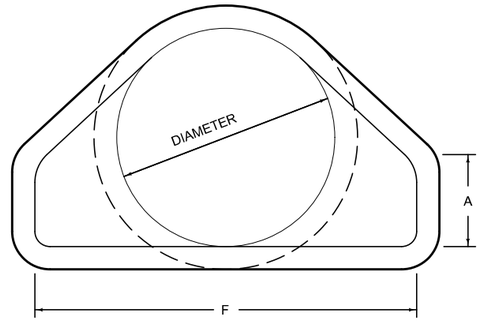
$$USERS
$$DATE$$
$$DGNS



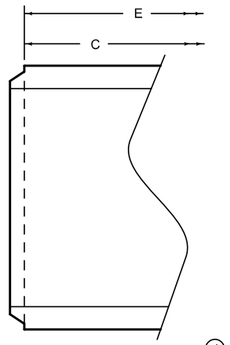
(TYPE 1 APRON)
PLAN



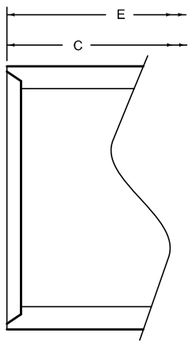
(TYPE 2 APRON)
PLAN



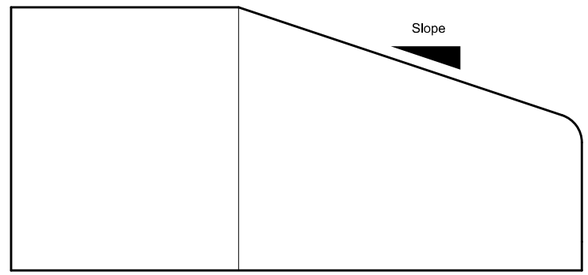
(TYPE 1 AND TYPE 2 APRONS)
END VIEW



SECTION A-A ①
TONGUE END DETAIL



SECTION A-A ①
GROOVE END DETAIL



SIDE VIEW

TYPE 1 APRONS						
DIAM.	SLOPE	A	B	MINIMUM		F
				C	E	
12"	2.4:1	4"	2'-0"	4'-7/8"	6'-7/8"	2'-0"
15"	2.4:1	6"	2'-3"	3'-10"	6'-1"	2'-6"
18"	2.3:1	9"	2'-3"	3'-10"	6'-1"	3'-0"
21"	2.4:1	9"	3'-0 "	3'-1 1/2"	6'-1 1/2"	3'-5"
24"	2.5:1	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"
27"	2.5:1	10 1/2"	4'-1 "	2'-0"	6'-1 1/2"	4'-4"
30"	2.5:1	12"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"
36"	2.5:1	15"	5'-3"	2'-9"	8'-0"	6'-0"
42"	2.5:1	21"	5'-3"	2'-9"	8'-0"	6'-6"
48"	2.5:1	24"	6'-0"	2'-0"	8'-0"	7'-0"
54"	1.8:1	27"	5'-0"	3'-0"	8'-0"	7'-6"
60"	1.6:1	29 1/2"	5'-0"	3'-0"	8'-0"	8'-0"
66"	1.7:1	30"	6'-0"	2'-3"	8'-3"	8'-0"
72"	1.6:1	30"	6'-6"	1'-9"	8'-3"	9'-0"
78"	1.8:1	36"	7'-6"	1'-9"	9'-3"	9'-6"
84"	1.3:1	29 1/2"	6'-9"	2'-6 1/2"	9'-3 1/2"	10'-0"

TYPE 2 APRONS						
DIAM.	SLOPE	A	B	MINIMUM		F
				C	E	
12"	2.4:1	4"	2'-0"	4'-7/8"	6'-7/8"	2'-0"
15"	2.4:1	6"	2'-3"	3'-10"	6'-1"	2'-6"
18"	2.3:1	9"	2'-3"	3'-10"	6'-1"	3'-0"
21"	2.4:1	9"	3'-0"	3'-1 1/2"	6'-1 1/2"	3'-5"
24"	2.5:1	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"
27"	2.5:1	10 1/2"	4'-1 "	2'-0"	6'-1 1/2"	4'-4"
30"	2.5:1	12"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"
36"	2.5:1	15"	5'-3"	2'-9"	8'-0"	6'-0"
42"	2.5:1	21"	5'-3"	2'-9"	8'-0"	6'-6"
48"	2.5:1	24"	6'-0"	2'-0"	8'-0"	7'-0"
54"	1.9:1	24 1/2"	5'-5"	2'-7"	8'-0"	7'-6"
60"	1.4:1	24 1/2"	5'-0"	3'-0"	8'-0"	8'-0"
66"	1.7:1	30"	6'-0"	2'-3"	8'-3"	8'-0"
72"	1.4:1	24"	6'-6"	1'-9"	8'-3"	9'-0"
78"	1.8:1	36"	7'-6"	1'-9"	9'-3"	9'-6"
84"	1.5:1	23 1/2"	7'-6 1/2"	1'-9"	9'-3 1/2"	10'-0"

DIMENSION 'E' SHOWN IS THE MINIMUM AND IS CONSIDERED THE DESIGN LENGTH. ADJUST FOR ANY DIFFERENCE BETWEEN THE ACTUAL LENGTH OF CONCRETE APRON INSTALLED AND THE LENGTH INDICATED BELOW FOR THE LENGTH OF CONCRETE CULVERT PIPE FURNISHED.

① TONGUE END USED ON INLET END SECTION.
GROOVE END USED ON OUTLET END SECTION

NO	REVISIONS	DRN	CHK	DATE

DRN	KRN	DES	DBH
CHK	DBH	APP	DBH

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REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

GRADING AND DRAINAGE DETAILS

DATE APR 2, 2026
PROJECT NO. 60777499
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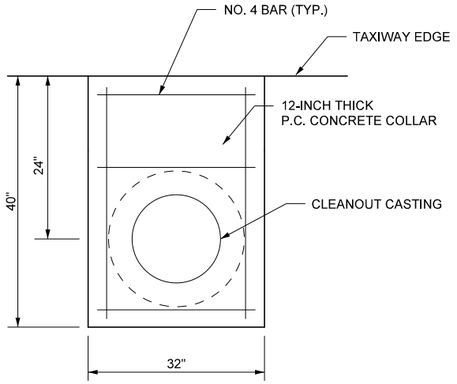
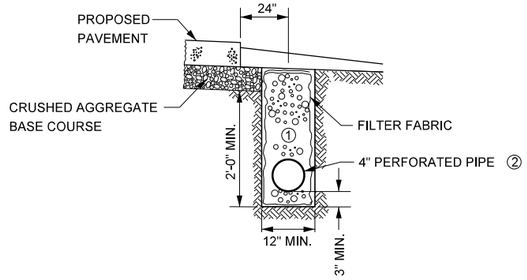
SHEET NO. CG501
DRAWING NO. -

$$USERS
$$DATE$$
$$DGNS



TOP VIEW



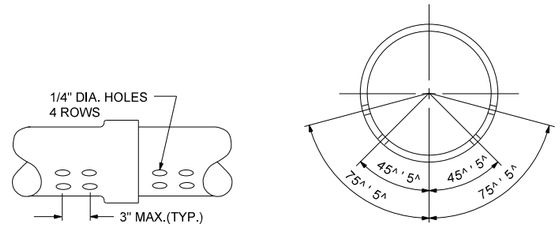
LONGITUDINAL SUBDRAIN

NOT TO SCALE

NOTES:

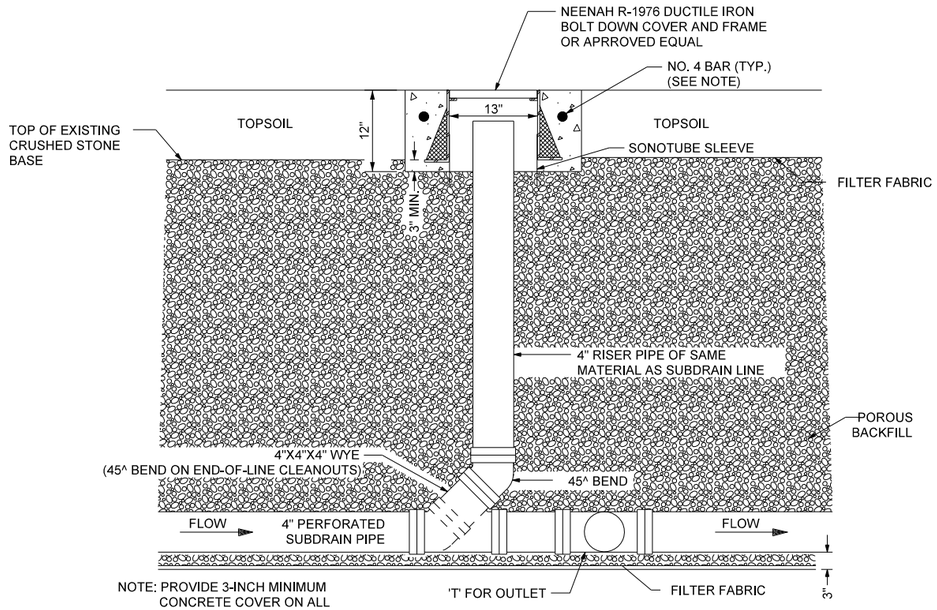
① BACKFILL ALL SUBDRAIN WITH POROUS BACKFILL.

② PLACE PERFORATIONS DOWN FOR ALL INSTALLATIONS.



SUBDRAIN PIPE DETAIL

NOT TO SCALE



ELEVATION VIEW

TYPE 1 SUBDRAIN CLEANOUT DETAIL

NOT TO SCALE

NO	REVISIONS	DRN	CHK	DATE

DRN KRN
DES DBH
CHK DBH
APP DBH

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FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

GRADING AND DRAINAGE DETAILS

DATE APR 2, 2026

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FILENAME

SHEET NO. CG502

DRAWING NO. -

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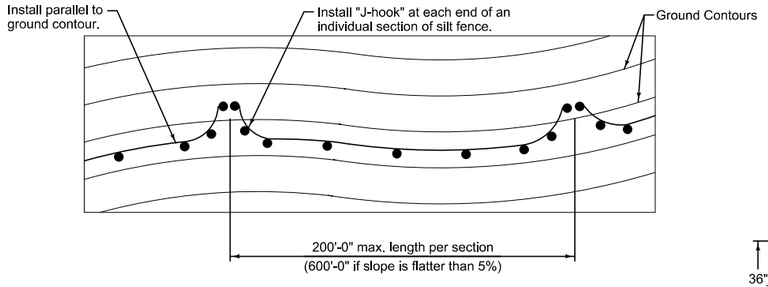
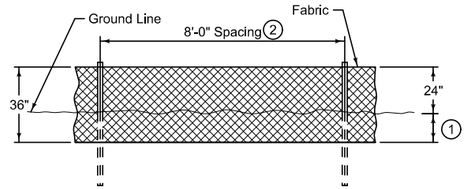
$$DATE$$
$$SIGN$$

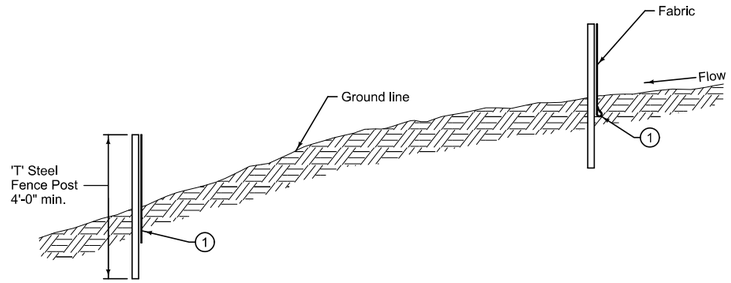


TYPICAL SILT FENCE INSTALLATION ON LONGITUDINAL SLOPES
(Plan View)

1. Insert 12 inches of fabric a minimum of 6 inches deep (fabric may be folded below the ground line).
2. Reduce post spacing to 5'-0" at water concentration areas, or as required to adequately support fence.

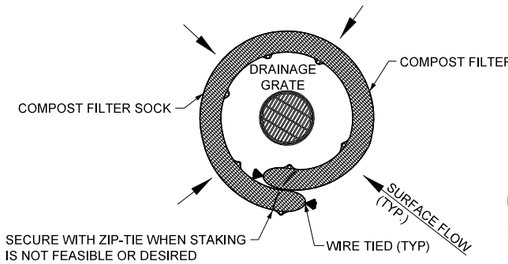


DETAILS OF SILT FENCE ON LONGITUDINAL SLOPES



TYPICAL SILT FENCE INSTALLATION ON LONGITUDINAL SLOPES
(Profile View)

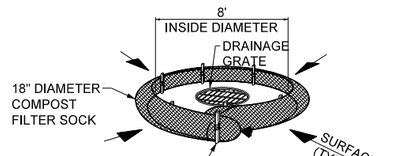
SILT FENCE
NOT TO SCALE



INLET PLAN
NOT TO SCALE

NOTES:

1. ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE FILTER SOCK. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.
2. OVERLAP ENDS OF SOCK PER MANUFACTURERS RECOMMENDATIONS. (1' MIN, 3' MAX.)



WHEN CONDITIONS ALLOW, TIE SOCK AT OVERLAP TO PREVENT SOCK MOVEMENT WHEN NOT STAKED (PAVEMENT APPLICATION).

COMPOST FILTER SOCK INLET PROTECTION
NOT TO SCALE

Item 3.

NO	REVISIONS	DRN	CHK	DATE

DRN KRN
DES DBH
CHK DBH
APP DBH

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REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

GRADING AND DRAINAGE DETAILS

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CG503
DRAWING NO. -

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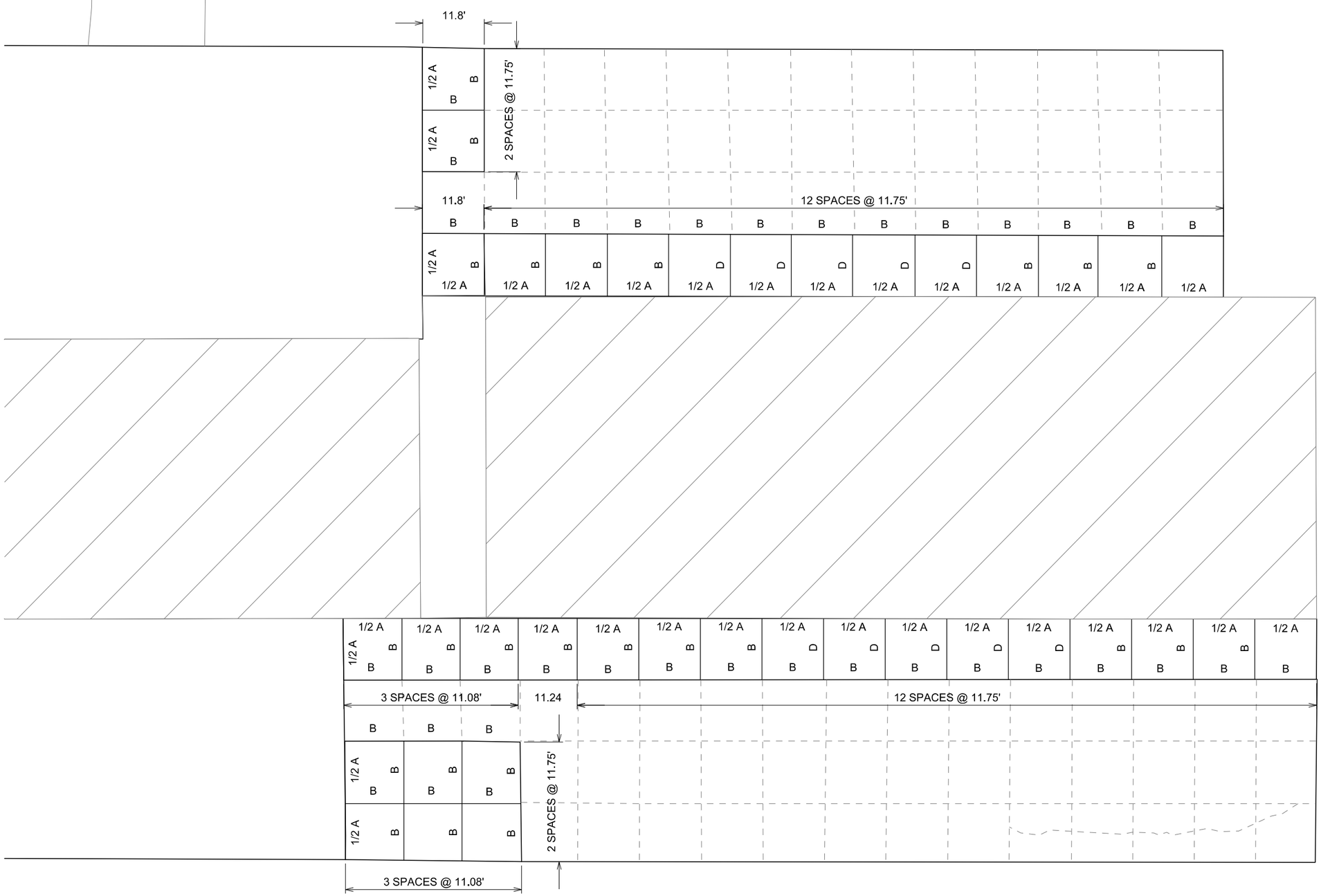
$$USERS
$$DATE$$
$$DGNS

NOTE:
PROPOSED JOINTS SHALL MATCH EXISTING JOINT PATTERN.



SCALE 0' 10' 20'

NO	REVISIONS	DRN	CHK	DATE

DRN KRN
DES KRN
CHK DBH
APP DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

JOINTING PLAN

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
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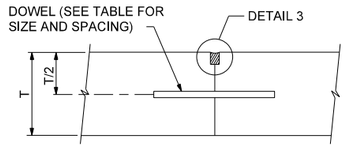
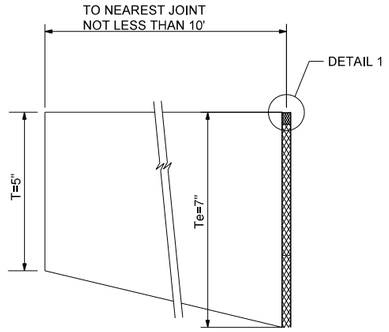
$$DATE$$
$$DGNNS

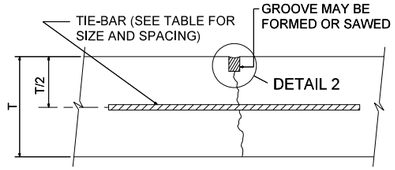


TYPE E - DOWELED*
NOT TO SCALE

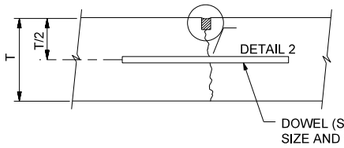
* JOINT TYPE TO BE USED AS TRANSVERSE JOINT AT END OF EACH DAYS POUR OR WHERE ANY HEADER HAS BEEN REQUIRED.



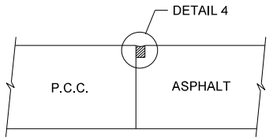
TYPE 1/2 A - EXPANSION
NOT TO SCALE



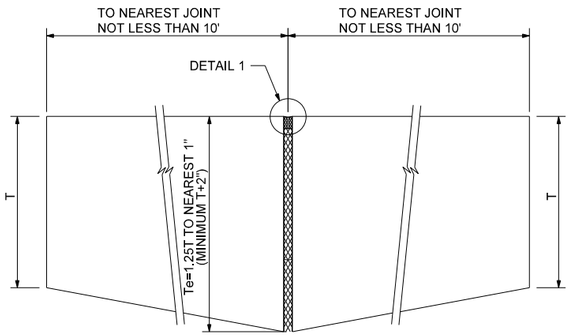
TYPE B - HINGED
NOT TO SCALE



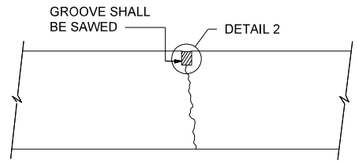
TYPE C - DOWELED
NOT TO SCALE



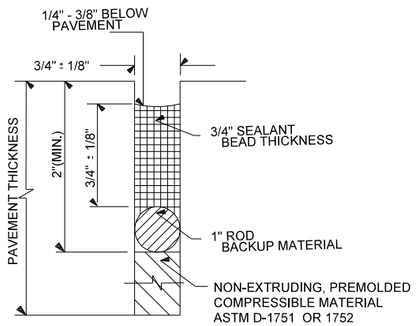
P.C.C. TO ASPHALT
NOT TO SCALE



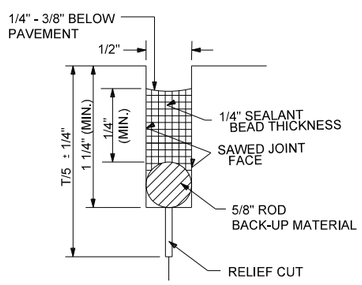
TYPE A - EXPANSION
NOT TO SCALE



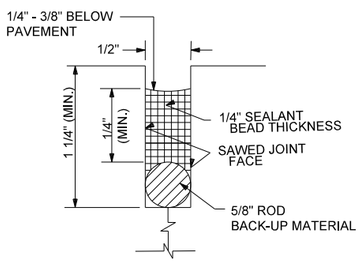
TYPE D - DUMMY
NOT TO SCALE



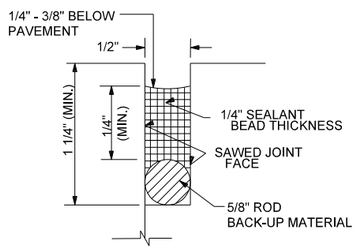
DETAIL 1
NOT TO SCALE



DETAIL 2
NOT TO SCALE



DETAIL 3
NOT TO SCALE



DETAIL 4
NOT TO SCALE

NOTE: ALL DOWEL BARS AND DEFORMED TIE BARS SHALL BE EPOXY COATED.

NOTE:
ACTUAL JOINT ASPECT RATIO SHOULD BE ADJUSTED TO MEET SPECIFIC JOINT SEALANT MANUFACTURER'S REQUIREMENTS.

DOWEL TABLE

PAVEMENT THICKNESS T(IN.)	DOWEL SIZE AND SPACING		
	DIAMETER	LENGTH	SPACING
5.0"	5/8"	18"	12"

TIE-BAR TABLE

PAVEMENT THICKNESS T(IN.)	TIE-BAR SIZE AND SPACING		
	DIAMETER	LENGTH	SPACING
5.0"	#4	20"	36"

PCC THICKNESS

ALL	T = 6.0"

NO	REVISIONS	DRN	CHK	DATE

DRN NOB
DES DBH
CHK DBH
APP DBH

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REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

JOINTING DETAILS

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CP500
DRAWING NO. -

$$USERS$$
$$DATE$$
$$DGNS$$

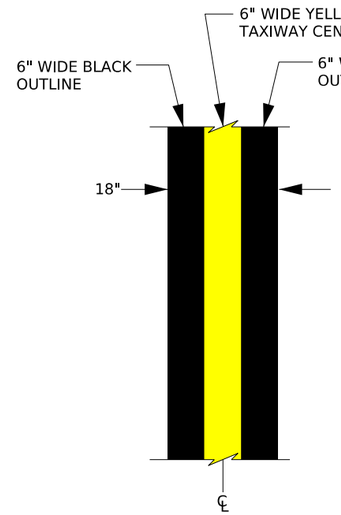
COUNTY ROAD C50

205+00
204+00
203+00
202+00
201+00
200+00
305+00
304+00
303+00
302+00
301+00
300+00

CT104
CT103
CT101
CT102

100+00
101+00
102+00
103+00
104+00
105+00

TERMINAL
MAINTENANCE HANGAR
T-HANGAR



TAXILANE CENTERLINE MARKING DETAIL

NOT TO SCALE

SCALE 0' 30' 60'

NO	REVISIONS	DRN	CHK	DATE

DRN NOB
DES DBH
CHK DBH
APP DBH

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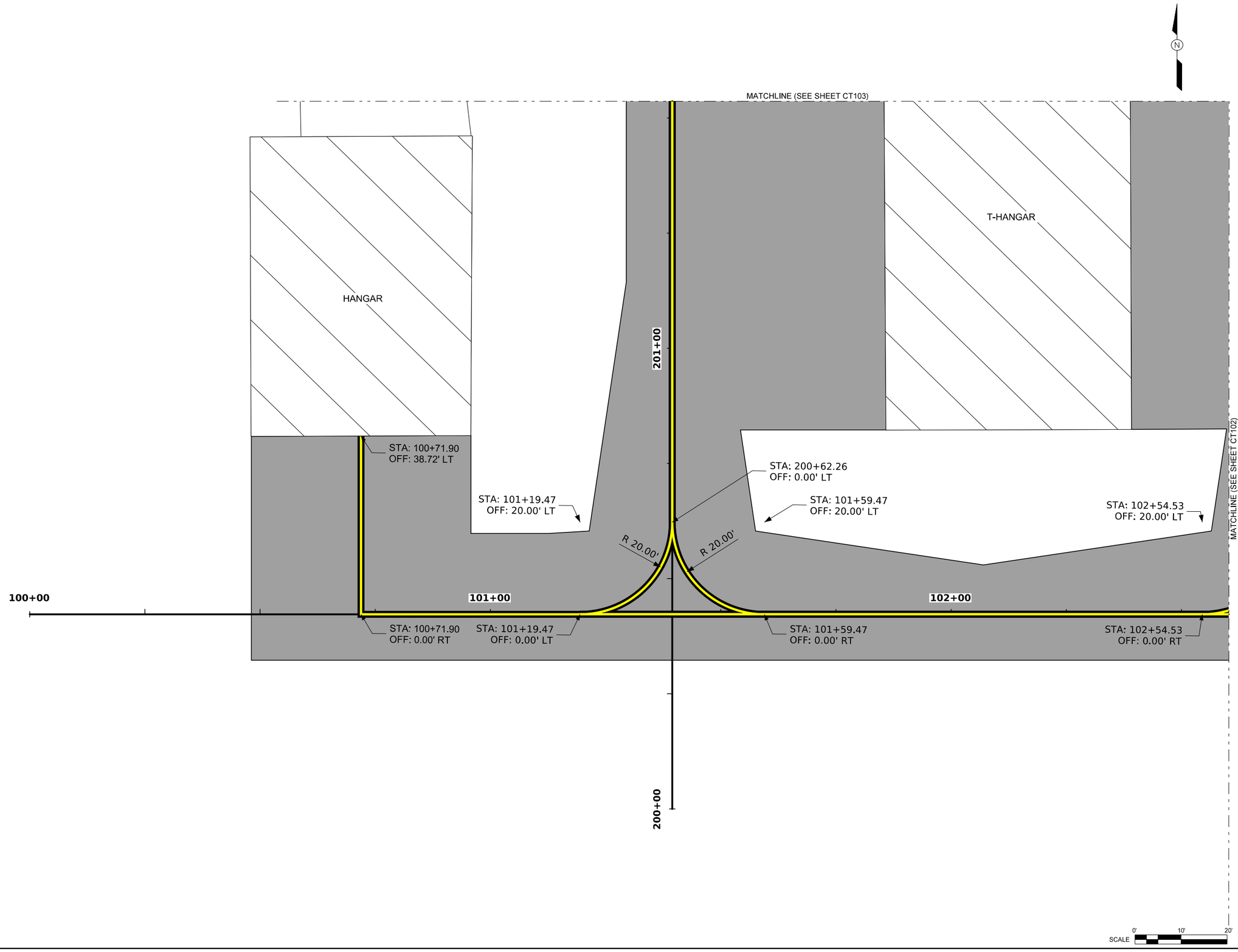
REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

MARKING PLAN

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CT100
DRAWING NO. -

$$USERS
$$DATE$$
$$DGN$$



NO	REVISIONS	DRN	CHK	DATE

DRN NOB
DES DBH
CHK DBH
APP DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

MARKING PLAN

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CT101
DRAWING NO. -

$$USER$$
$$DATE$$
$$DSIGN$$

MATCHLINE (SEE SHEET CT103)

MATCHLINE (SEE SHEET CT101)

301+00

STA: 103+38.47
OFF: 50.00' LT

STA: 300+61.88
OFF: 0.00' LT

STA: 102+94.53
OFF: 20.00' LT

R 20.00'

R 20.00'

STA: 103+43.25
OFF: 0.00' RT

R 50'-0"

104+00

105+00

STA: 102+94.53
OFF: 0.00' RT

103+00

STA: 103+65.06
OFF: 0.00' RT

STA: 104+86.07
OFF: 0.00' RT

STA: 103+38.47
OFF: 0.00' RT

R 50'-0"

STA: 103+16.66
OFF: 0.00' LT

300+00

STA: 103+43.25
OFF: 50.00' RT

TERMINAL

N

SCALE 0' 10' 20'

NO	REVISIONS	DRN	CHK	DATE

DRN	NOB		
DES	DBH		
CHK	DBH		
APP	DBH		

AECOM

REHABILITATE T-HANGAR TAXILANES
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OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

MARKING PLAN

DATE APR 2, 2026

PROJECT NO. 60777499

FILENAME

SHEET NO. CT102

DRAWING NO. -

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$$USERS$$
$$DATE$$
$$DSN$$

Item 3.

NO	REVISIONS	DRN	CHK	DATE

DRN	NOB
DES	DBH
CHK	DBH
APP	DBH

AECOM

REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
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OELWEIN, IOWA

MARKING PLAN

DATE APR 2, 2026
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FILENAME
SHEET NO. CT103
DRAWING NO. -

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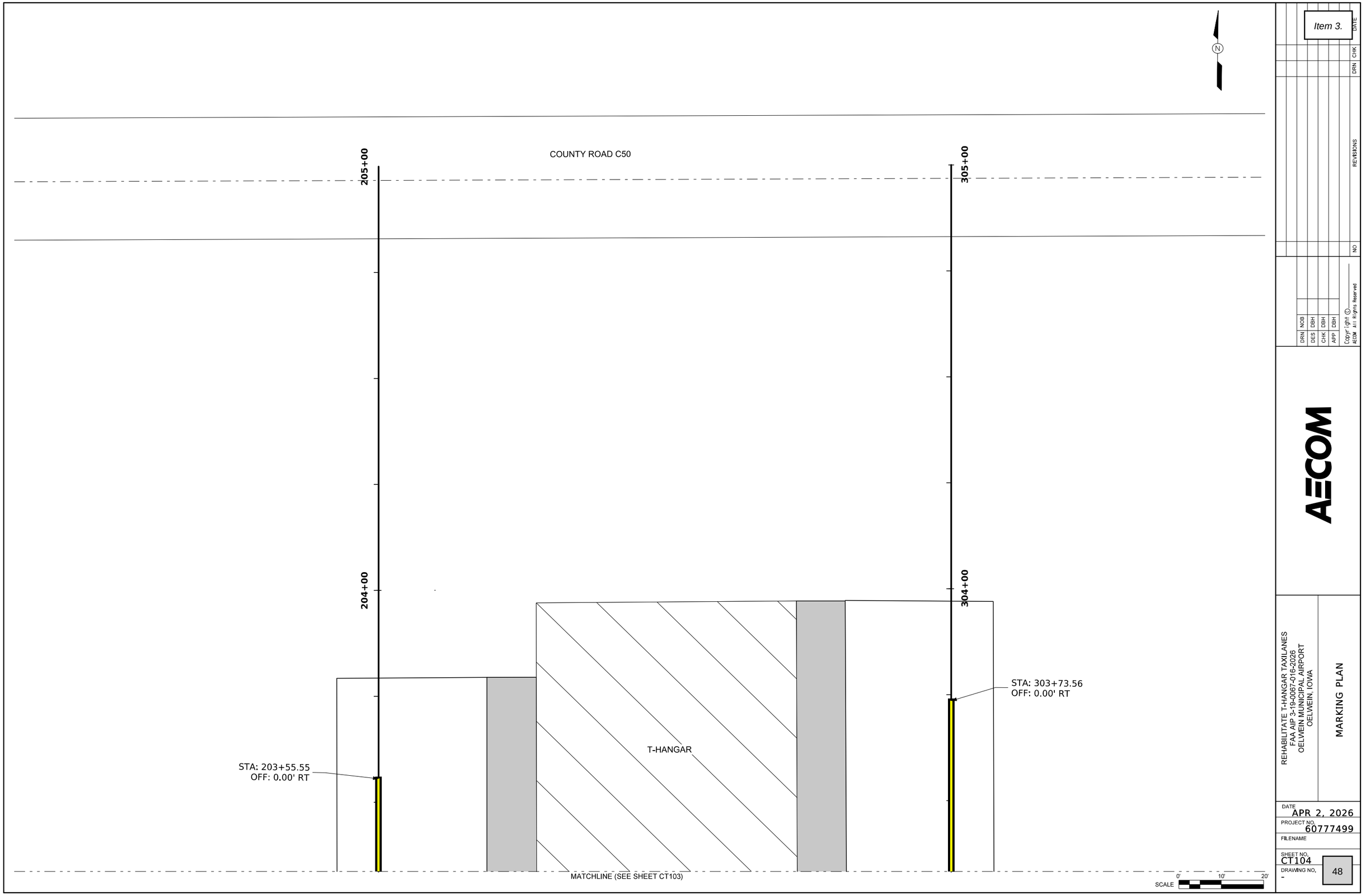

NO	REVISIONS	DRN	CHK	DATE

DRN	NOB		
DES	DBH		
CHK	DBH		
APP	DBH		

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REHABILITATE T-HANGAR TAXILANES
FAA AIP 3-19-0067-016-2026
OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

MARKING PLAN

DATE APR 2, 2026
PROJECT NO. 60777499
FILENAME
SHEET NO. CT104
DRAWING NO. -

48

$$USERS
$$DATE$$
$$DGNS

Pancake Breakfast

Fly In—Drive In

Pancakes, Sausage, Beverage!

All You Can Eat!

"Waukon Airport"

Sunday, August
23rd, 2026
7:30am-Noon

$ Free Will Donation;
PIC & Children Under 3, Free

25°
Y01
7°

Plane Rides

Sponsored by: Waukon Knights of Columbus