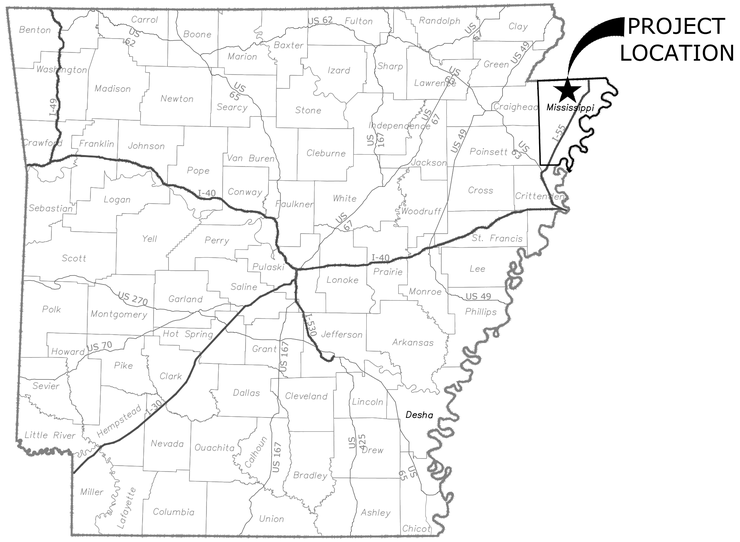
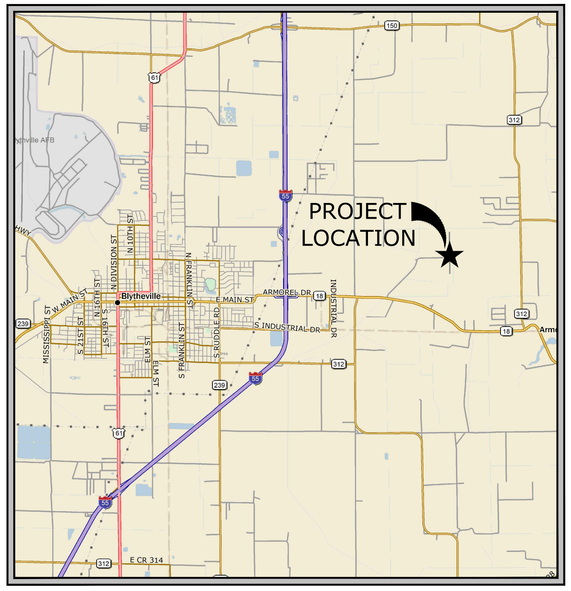
BLYTHEVILLE MUNICIPAL AIRPORT (HKA)
CONSTRUCT HANGAR AND TAXILANE

SPONSOR: CITY OF BLYTHEVILLE, ARKANSAS

BLYTHEVILLE, ARKANSAS



LOCATION MAP



VICINITY MAP

SHEET INDEX

MAY, 2025
MCE PROJECT NUMBER 23-5836
AIP PROJECT NUMBER 3-05-0008-023-2025 (AIP)
AIP PROJECT NUMBER 3-05-0008-024-2025 (AIG)

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

REVISIONS		
REV	DATE	DESCRIPTION

McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
http://www.mce.us.com
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
LITTLE ROCK, AR • FAYETTEVILLE, AR • FORT SMITH, AR • ROGERS, AR

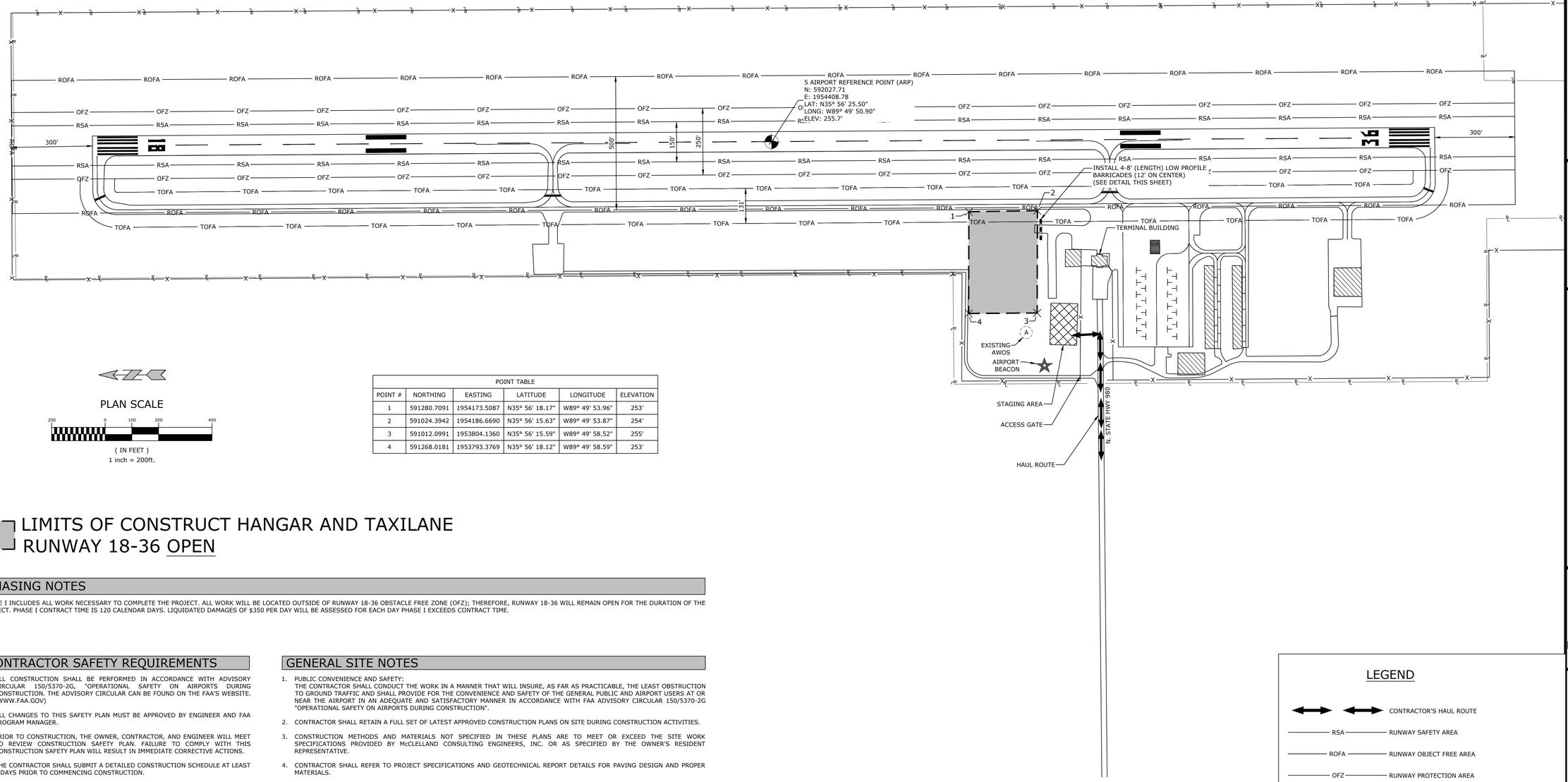
McCLELLAND CONSULTING ENGINEERS No. 24 CERTIFICATE OF AUTH ARKANSAS ENGINEER

STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER No.16461 ALEXANDER SMITH 5/14/2025

ORIGINAL SIGNATURE ON FILE

BLYTHEVILLE MUNICIPAL AIRPORT (HKA) CONSTRUCT HANGAR AND TAXILANE BLYTHEVILLE, ARKANSAS MCE #23-5836 MAY, 2025

W:\2023\23-5836 Blytheville Municipal Airport Taxilane And Box Hangar Construction (Design)\Design Drawings\Civil\23-5836 COVER.dwg, PRINTED ON: May 20, 2025 @ 10:23 AM



PLAN SCALE

200 0 100 200 400

(IN FEET)
1 inch = 200ft.

POINT TABLE					
POINT #	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEVATION
1	591280.7091	1954173.5087	N35° 56' 18.17"	W89° 49' 53.96"	253'
2	591024.3942	1954186.6690	N35° 56' 15.63"	W89° 49' 53.87"	254'
3	591012.0991	1953804.1360	N35° 56' 15.59"	W89° 49' 58.52"	255'
4	591268.0181	1953793.3769	N35° 56' 18.12"	W89° 49' 58.59"	253'

LIMITS OF CONSTRUCT HANGAR AND TAXILANE
RUNWAY 18-36 OPEN

PHASING NOTES

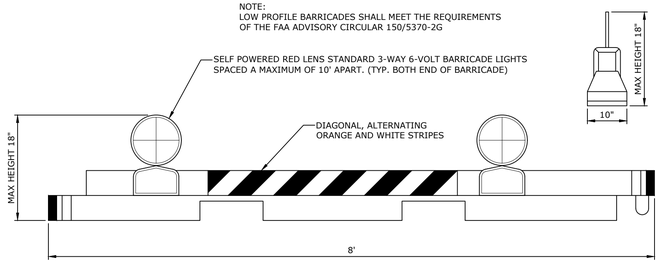
PHASE I INCLUDES ALL WORK NECESSARY TO COMPLETE THE PROJECT. ALL WORK WILL BE LOCATED OUTSIDE OF RUNWAY 18-36 OBSTACLE FREE ZONE (OFZ); THEREFORE, RUNWAY 18-36 WILL REMAIN OPEN FOR THE DURATION OF THE PROJECT. PHASE I CONTRACT TIME IS 120 CALENDAR DAYS. LIQUIDATED DAMAGES OF $350 PER DAY WILL BE ASSESSED FOR EACH DAY PHASE I EXCEEDS CONTRACT TIME.

CONTRACTOR SAFETY REQUIREMENTS

1. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ADVISORY CIRCULAR 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION. THE ADVISORY CIRCULAR CAN BE FOUND ON THE FAA'S WEBSITE. (WWW.FAA.GOV)
2. ALL CHANGES TO THIS SAFETY PLAN MUST BE APPROVED BY ENGINEER AND FAA PROGRAM MANAGER.
3. PRIOR TO CONSTRUCTION, THE OWNER, CONTRACTOR, AND ENGINEER WILL MEET TO REVIEW CONSTRUCTION SAFETY PLAN. FAILURE TO COMPLY WITH THIS CONSTRUCTION SAFETY PLAN WILL RESULT IN IMMEDIATE CORRECTIVE ACTIONS.
4. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION SCHEDULE AT LEAST 5 DAYS PRIOR TO COMMENCING CONSTRUCTION.
5. CONSTANT MONITORING OF AIRCRAFT RADIO COMMUNICATIONS BY THE CONTRACTOR DURING CONSTRUCTION ARE REQUIRED FOR THIS CONTRACT. THE LOCAL UNICOM FREQUENCY IS 123.05
6. CONTRACTOR'S GROUND VEHICLE OPERATIONS SHALL BE IN ACCORDANCE WITH AC 150/5210-20.
7. ALL CONSTRUCTION EQUIPMENT SHALL BE MARKED WITH 3'x3' ORANGE AND WHITE CHECKER FLAG (DAY ONLY) OR FLASHING LIGHTS OF AMBER, YELLOW OR RED (DAY OR NIGHT) OR ESCORTED BY A VEHICLE SO EQUIPPED.
8. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ANY AIRCRAFT.
9. ALL EQUIPMENT AND MATERIALS NOT IN USE SHALL BE STORED IN THE STAGING AREA. NO EQUIPMENT OR MATERIALS SHALL BE LEFT UNATTENDED OR STORED INSIDE THE TAXIWAY OBJECT FREE AREA (TOFA).
10. RUNWAY, TAXIWAY, & APRON SHALL BE KEPT CLEAR OF ALL DEBRIS & EQUIPMENT. AREAS SHALL BE SWEPT AS REQUIRED.
11. CONTRACTOR SHALL VERIFY WITH THE OWNER THAT THE APPROPRIATE NOTAMs ARE IN PLACE PRIOR TO BEGINNING WORK.
12. PERSONNEL AND EQUIPMENT ARE NOT ALLOWED INSIDE THE RUNWAY OBSTACLE FREE ZONE (OFZ) DURING CONSTRUCTION. THE OFZ IS 250' WIDE AND EXTENDS 300' PAST THE END OF THE RUNWAYS.
13. THE CONTRACTOR IS TO REMAIN INSIDE THE DESIGNATED WORK AREA, AS SHOWN ON THIS SHEET. THE CONTRACTOR SHALL NOT ENTER ANY OTHER PROPERTY WITHOUT PRIOR CONSENT OF THE LAND OWNER.
14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT EXISTING FACILITIES, WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE. ALL SUCH FACILITIES, STRUCTURES, OR NAVAIDS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED, SATISFACTORILY TO THE OWNER, AT THE EXPENSE OF THE CONTRACTOR.
15. ANY DAMAGE TO SURROUNDING APRONS, TAXIWAYS, RUNWAYS, OR HAUL ROUTES CAUSED BY CONSTRUCTION EQUIPMENT SHALL BE RESTORED BY THE CONTRACTOR TO ORIGINAL OR BETTER CONDITION, AT NO COST TO THE OWNER.

GENERAL SITE NOTES

1. PUBLIC CONVENIENCE AND SAFETY:
   THE CONTRACTOR SHALL CONDUCT THE WORK IN A MANNER THAT WILL INSURE, AS FAR AS PRACTICABLE, THE LEAST OBSTRUCTION TO GROUND TRAFFIC AND SHALL PROVIDE FOR THE CONVENIENCE AND SAFETY OF THE GENERAL PUBLIC AND AIRPORT USERS AT OR NEAR THE AIRPORT IN AN ADEQUATE AND SATISFACTORY MANNER IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2G "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION".
2. CONTRACTOR SHALL RETAIN A FULL SET OF LATEST APPROVED CONSTRUCTION PLANS ON SITE DURING CONSTRUCTION ACTIVITIES.
3. CONSTRUCTION METHODS AND MATERIALS NOT SPECIFIED IN THESE PLANS ARE TO MEET OR EXCEED THE SITE WORK SPECIFICATIONS PROVIDED BY McCLELLAND CONSULTING ENGINEERS, INC. OR AS SPECIFIED BY THE OWNER'S RESIDENT REPRESENTATIVE.
4. CONTRACTOR SHALL REFER TO PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT DETAILS FOR PAVING DESIGN AND PROPER MATERIALS.
5. ALL OSHA REGULATIONS SHALL BE STRICTLY FOLLOWED AND SPECIAL CARE TAKEN TO PREVENT INTERACTION W/ OVERHEAD OR UNDERGROUND POWER SOURCES.
6. THE LOCATION OF KNOWN SUBSURFACE STRUCTURES, PIPE, POWER, GAS, PHONE, RUNWAY/TAXIWAY LIGHTING AND CABLES, ETC. ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING INFORMATION AND SATISFYING HIMSELF AS TO THE LOCATION OF THE AFOREMENTIONED ITEMS, SHOWN AND NOT SHOWN. ALL REPAIRS OR RELOCATIONS NECESSARY SHALL BE MADE AS REQUIRED BY THE OWNER OF THE UTILITY OR STRUCTURE. THE COST OF SUCH REPAIRS OR RELOCATIONS NECESSARY SHALL BE BORNE BY THE CONTRACTOR.
7. THE CONTRACTOR IS REQUIRED TO NOTIFY THE ONE CALL CENTER AT (800) 482-8998 AT LEAST 48 HOURS PRIOR TO EXCAVATING IN ORDER THAT UNDERGROUND UTILITIES IN THE AREA CAN BE LOCATED. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR COORDINATION WITH THE FAA UTILITIES / FACILITIES MANAGER TO LOCATE ANY UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. ANY REQUIRED FEES AND COSTS ASSOCIATED WITH UTILITY LOCATING SHALL BE BORNE BY THE CONTRACTOR.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, LICENSES, ETC. REQUIRED BY ALL LOCAL, STATE, AND FEDERAL AGENCIES.
9. ALL PAVEMENTS, LIGHTING SYSTEMS, SIGNS, FACILITIES, DRAINAGE STRUCTURES, FENCES, ETC. THAT ARE DISTURBED SHALL BE RESTORED TO THEIR ORIGINAL OR BETTER CONDITION USING LIKE MATERIALS. COST OF SUCH REPAIRS SHALL BE BORNE BY THE CONTRACTOR UNLESS PROVISIONS FOR PAYMENT ARE MADE IN THE CONTRACT DOCUMENTS.
10. UPON NOTIFICATION OF A DECLARED AIRCRAFT EMERGENCY, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE RUNWAY AND / OR TAXIWAY OF EQUIPMENT AND PERSONNEL.
11. ALL CONCRETE SHALL DEVELOP 4,000 PSI COMPRESSIVE STRENGTH IN 28 DAYS UNLESS OTHERWISE SPECIFIED.
12. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LAYOUT COORDINATES IN THE FIELD. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER FOR DIRECTION PRIOR TO COMMENCING CONSTRUCTION.
13. CARE SHOULD BE TAKEN TO APPLY PAINT FOR PAVEMENT MARKINGS AT THE PROPER YIELD TO PREVENT DAMAGE TO THE PAVEMENT. APPLICATION RATES SHOULD NOT EXCEED MANUFACTURER'S RECOMMENDATIONS. IF DAMAGE TO THE PAVEMENT OCCURS, CONTRACTOR SHALL REPAIR AT THEIR OWN EXPENSE.
14. GLASS BEADS ARE TO BE APPLIED TO ALL MARKINGS IN ACCORDANCE WITH THE SPECIFICATIONS (UNLESS OTHERWISE NOTED).
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND STAKING.
16. THE CONTRACTOR SHALL KEEP ALL AOA SURFACES CLEAN AND SWEPT FREE OF DEBRIS. WORK AREAS WILL NOT BE OPENED FOR USE UNTIL THEY HAVE BEEN SWEPT FREE OF ALL TRASH AND DEBRIS.



LOW PROFILE BARRICADE
N.T.S.

LEGEND

- CONTRACTOR'S HAUL ROUTE
- RSA — RUNWAY SAFETY AREA
- ROFA — RUNWAY OBJECT FREE AREA
- OFZ — RUNWAY PROTECTION AREA
- TOFA — TAXIWAY OBJECT FREE AREA
- ℄ — PROPERTY LINE
- X — SECURITY FENCE
- AIRPORT REFERENCE POINT
- AIRPORT BEACON
- BUILDINGS
- STAGING AREA
- WORK AREA
- (A) EXISTING AWOS
- LOW PROFILE BARRICADE

McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.16461
ALEXANDER SMITH
5/16/2025
ORIGINAL SIGNATURE ON FILE

BLYTHEVILLE MUNICIPAL AIRPORT (HKA)
CONSTRUCT HANGAR AND TAXILANE
BLYTHEVILLE, ARKANSAS

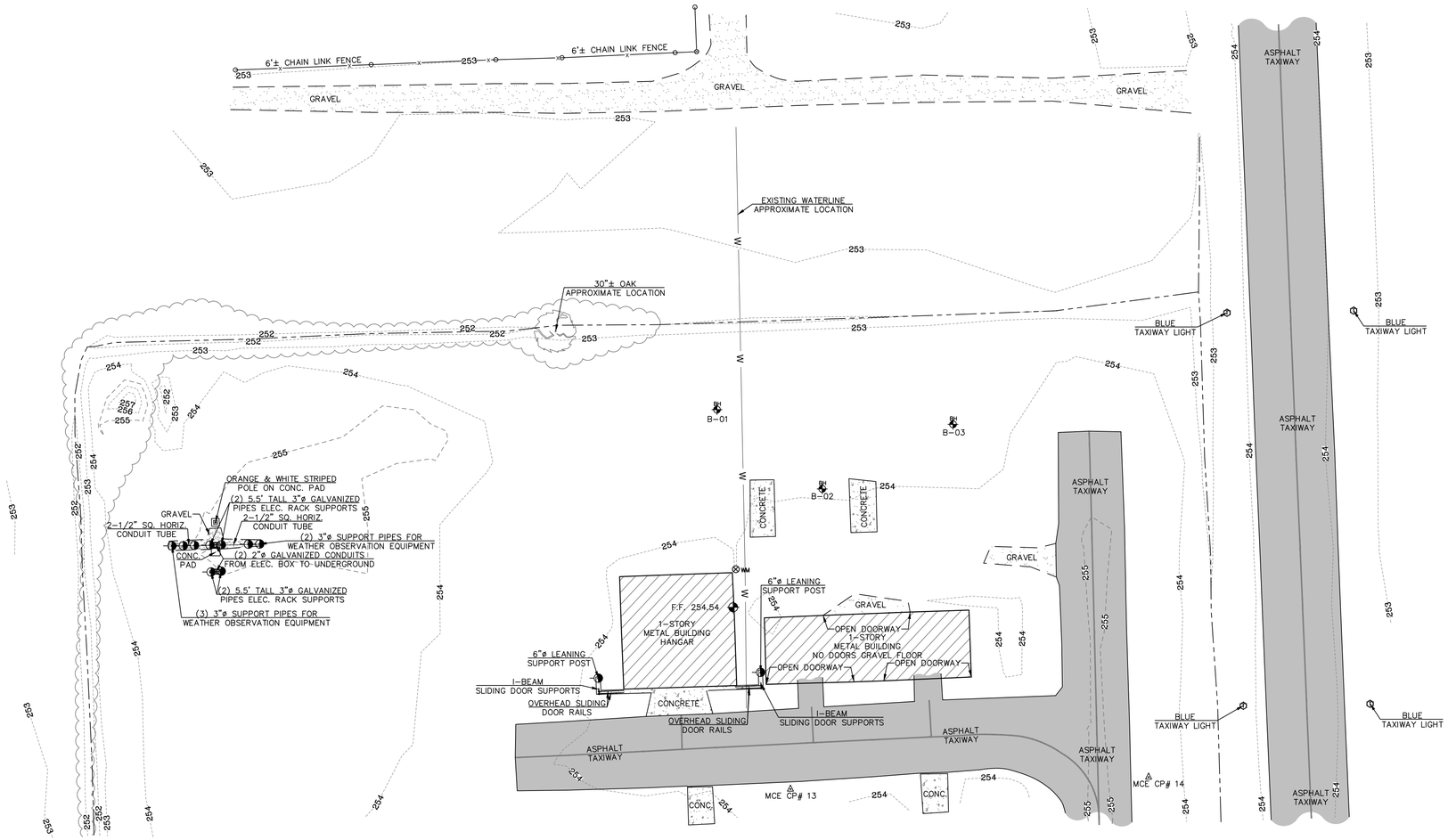
811. Know what's below. Call before you dig.

REVISIONS

REV	DATE	DESCRIPTION

CONSTRUCTION SAFETY AND PHASING PLAN - PHASE I

DESIGNED BY:	DRAWN BY :
JME	SJM
DATE:	REVISION:
MAY, 2025	
SCALE:	JOB NUMBER:
1" = 200'	23-5836



SURVEYOR'S NOTES:

HORIZONTAL COORDINATES FOR THIS PROJECT ARE ARKANSAS STATE PLANE NORTH ZONE NAD83 (2011) AND ELEVATIONS ARE NAVD88 BASED ON A STAINLESS STEEL ROD IN SLEEVE, STAMPED: VILLPORT, PID FE2761.

BASIS OF BEARING = GRID NORTH

LINEAR MEASUREMENTS ARE IN US SURVEY FEET.

CONTOUR INTERVAL = 1 FOOT.

THIS IS A TOPOGRAPHIC SURVEY ONLY AND IN NO WAY SHOULD BE INTERPRETED AS A PROPERTY BOUNDARY SURVEY. ANY PROPERTY LINES SHOWN ARE FOR REFERENCE ONLY AND HAVE NOT BEEN VERIFIED.

FIELD WORK FOR THIS SURVEY WAS COMPLETED MARCH 10, 2025.

NO STATEMENT IS MADE CONCERNING SUBSURFACE CONDITIONS.

BURIED UTILITIES AND SUBSURFACE STRUCTURES ARE SHOWN BASED ON VISUAL INSPECTION OF MANHOLES AND OTHER SURFACE FEATURES. McCLELLAND CONSULTING ENGINEERS HAS ACCURATELY DEPICTED THE UNDERGROUND AND SUBSURFACE FEATURES TO THE BEST OF THEIR KNOWLEDGE AND ABILITY. ANY CONSTRUCTION AT THIS SITE SHOULD ONLY BE DONE AFTER CONTACTING ARKANSAS ONE CALL AT 1-800-482-8998 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION.

LEGEND

- SURVEY CONTROL MONUMENT (TYPE AS NOTED)
- LOCATION OF BUILDING FLOOR ELEVATION
- BLUE TAXIWAY LIGHT
- WM WATER METER
- TREE (TYPE AS NOTED)
- POST OR POLE (TYPE AS NOTED)
- SOIL BORE LOCATION
- ELECTRIC BOX
- FENCE
- DITCH OR STREAM LINE
- TREE OR BRUSH LINE

GRAPHIC SCALE

30 0 15 30 60

(IN FEET)
1 INCH = 30 FT.

SURVEY CONTROL DATA

Point #	Northing	Easting	Elevation	Description
10	592846.75	1954169.57	253.00	NGS MOUNUMENT "VILLPORT"
11	594413.61	1954132.95	253.00	NGS MOUNUMENT "VILLPORT AZ MK"
13	590941.79	1953984.37	254.07	60D NAIL & SHINER
14	590947.13	1954143.52	254.14	60D NAIL & SHINER

McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM

BLYTHEVILLE MUNICIPAL AIRPORT
CONSTRUCT HANGAR AND TAXILANE

BLYTHEVILLE, ARKANSAS

Know what's below. Call before you dig.

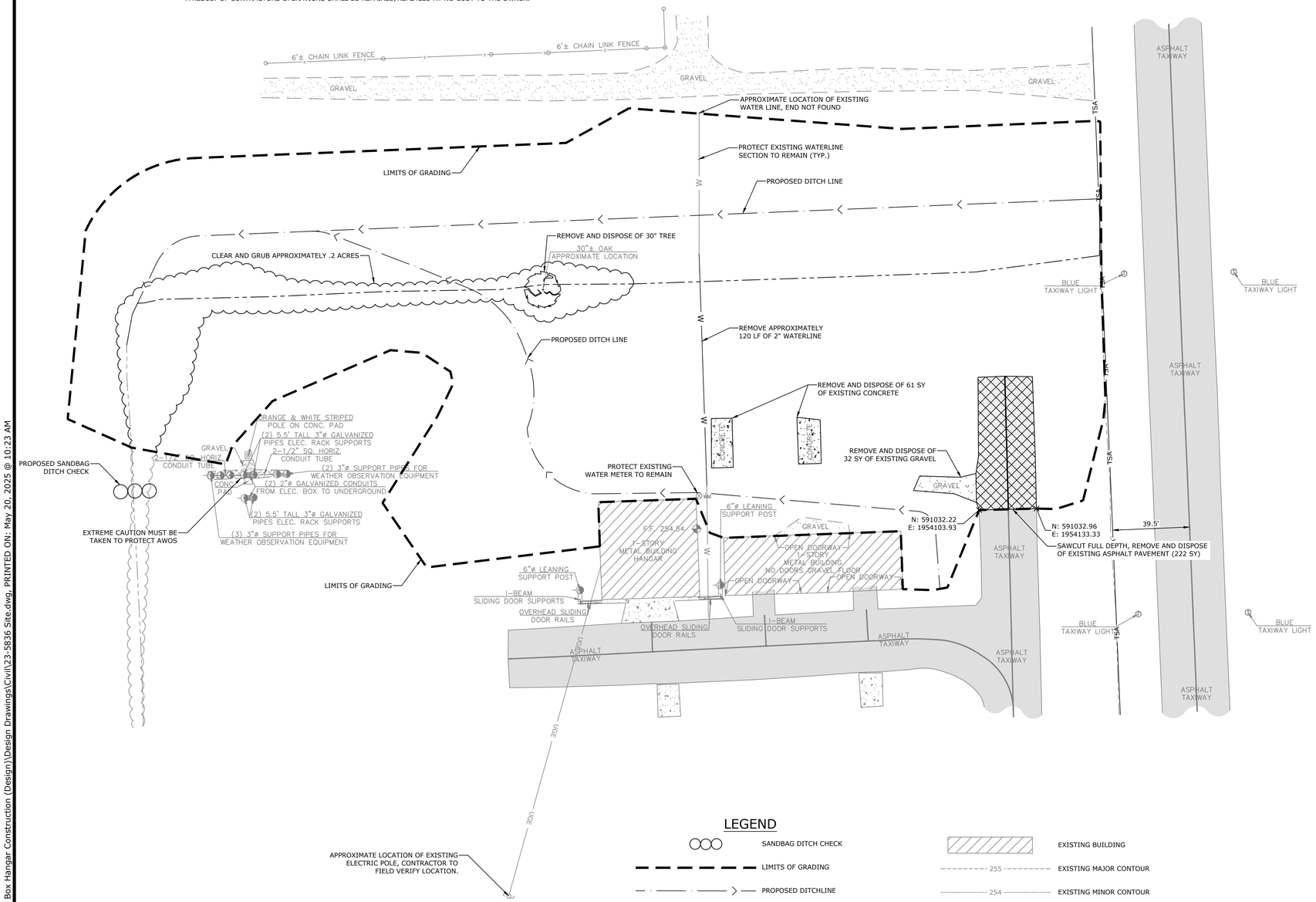
REVISIONS

REV	DATE	DESCRIPTION

TOPOGRAPHIC SURVEY

SURVEY MANAGER:	DRAWN BY :
AWM	JDM
DATE: 03/12/2025	REVISION:
SCALE: 1" = 30'	JOB NUMBER: 23-5836

NOTE:
1. CONTRACTOR SHALL PROTECT AND PRESERVE EXISTING PAVEMENT MARKINGS TO REMAIN, EXISTING PAVEMENT TO REMAIN, LIGHTS, SIGNS, DRAINAGE STRUCTURES, BUILDINGS, AWOS, ELECTRICAL EQUIPMENT, FENCING, GATES, ACCESS ROADS, UTILITIES, AND ANY OTHER INFRASTRUCTURE TO REMAIN. ANY DAMAGE INCURRED AS A RESULT OF CONTRACTORS OPERATIONS SHALL BE REPAIRED/REPLACED AT NO COST TO THE OWNER.



LEGEND

- SANDBAG DITCH CHECK
- LIMITS OF GRADING
- PROPOSED DITCHLINE
- TSA — TAXIWAY SAFETY AREA
- EXISTING BRUSH TO REMAIN
- CLEARING AND GRUBBING LIMITS
- EXISTING CONCRETE TO REMAIN
- EXISTING CONCRETE TO BE REMOVED
- EXISTING PAVEMENT MARKING TO REMAIN
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING ASPHALT PAVEMENT TO REMAIN
- EXISTING ASPHALT PAVEMENT TO BE REMOVED
- EXISTING TAXIWAY EDGE LIGHT
- EXISTING BUILDING
- 255 — EXISTING MAJOR CONTOUR
- 254 — EXISTING MINOR CONTOUR
- UGE — EXISTING UNDERGROUND ELECTRIC
- W — EXISTING WATERLINE TO REMAIN
- W — EXISTING WATERLINE TO BE REMOVED
- EXISTING DITCH LINE TO REMAIN
- EXISTING DITCH LINE TO BE RELOCATED
- EXISTING GRAVEL ROAD TO REMAIN
- EXISTING GRAVEL ROAD TO BE REMOVED
- EXISTING FENCE
- EXISTING TREE TO BE REMOVED

GENERAL DEMOLITION NOTES

1. ALL AREAS AND ITEMS WITHIN THE LIMITS OF DISTURBANCE ARE TO BE DEMOLISHED AND REMOVED UNLESS OTHERWISE NOTED ON THIS PLAN.
2. THE CONTRACTOR IS REQUIRED TO NOTIFY THE ONE CALL CENTER AT (800) 482-8998 AT LEAST 48 HOURS PRIOR TO EXCAVATING IN ORDER THAT UNDERGROUND UTILITIES IN THE AREA CAN BE LOCATED.
3. THIS PLAN SHOULD BE USED IN CONJUNCTION WITH THE TOPOGRAPHICAL SURVEY FOR REFERENCE. THE LOCATION OF KNOWN SUBSURFACE STRUCTURES, PIPES, POWER, GAS, PHONE, RUNWAY / TAXIWAY LIGHTING AND CABLES, ETC. ARE SHOWN ON THE PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING INFORMATION AND SATISFYING HIMSELF TO AS TO THE LOCATION OF THE AFOREMENTIONED ITEMS, SHOWN AND NOT SHOWN. ALL REPAIRS OR RELOCATIONS NECESSARY SHALL BE MADE AS REQUIRED BY THE OWNER OF THE UTILITY OR STRUCTURE. THE COST OF SUCH REPAIRS OR RELOCATIONS NECESSARY SHALL BE BORNE BY THE CONTRACTOR.
4. CONTRACTOR SHALL DISPOSE OF ALL MATERIALS RESULTING FROM DEMOLITION IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS THAT GOVERN SUCH OPERATIONS.
5. ALL ABANDONED SERVICE LINES SHALL BE DISCONNECTED AND CAPPED PER UTILITY COMPANIES REQUIREMENTS. COORDINATE ALL DISCONNECTIONS WITH UTILITY COMPANIES.
6. CONTRACTOR IS TO BRING TO THE ATTENTION OF THE CIVIL ENGINEER ANY AREA OF DEMOLITION IN QUESTION BEFORE PROCEEDING WITH WORK.
7. CONTRACTOR TO REVIEW AND COORDINATE DEMOLITION LIMITS WITH PROPOSED CONSTRUCTION PLANS.
8. EXISTING CLEAN TOPSOIL TO BE STOCKPILED FOR FUTURE USE ON THIS SITE AND IS TO BE COORDINATED BY THE GENERAL CONTRACTOR.

GENERAL EROSION CONTROL NOTES

1. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AND CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DIRECTED BY PERMITTING AGENCY AND OWNER OR AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
2. PERMIT FOR ANY CONSTRUCTION ACTIVITY MUST BE MAINTAINED ON SITE AT ALL TIMES.
3. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
4. GENERAL CONTRACTOR SHALL USE THE STAGING AREAS AS SHOWN ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEETS FOR THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
5. ALL WASH WATER SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
6. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
7. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
8. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE. ALL SUCH MATERIALS SHALL BE KEPT OFF OF THE AIRPORT OPERATIONS AREA.
9. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR AT LEAST 14 DAYS, SHALL BE TEMPORARILY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
10. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
11. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
12. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
13. CONTRACTOR SHALL DESIGNATE/IDENTIFY AREAS INSIDE THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.
14. ALL BMP's SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED BY A MINIMUM OF 80% GRASS COVERAGE.
15. ALL WASH WATER SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
16. ALL DEWATERING ACTIVITIES SHALL CONFORM TO ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS. DISCHARGED WATER MUST BE PROPERLY TREATED BEFORE RELEASING FROM THE SITE.

PLAN SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30ft.

McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.16461
ALEXANDER SMITH
5/16/2025
ORIGINAL SIGNATURE ON FILE

BLYTHEVILLE MUNICIPAL AIRPORT (HKA)
CONSTRUCT HANGAR AND TAXILANE
BLYTHEVILLE, ARKANSAS

Know what's below. Call before you dig.

REVISIONS	DESCRIPTION	DATE	REV

DEMOLITION AND EROSION CONTROL PLAN

DESIGNED BY:	DRAWN BY:
JME	SJM
DATE: MAY, 2025	REVISION:
SCALE: 1" = 30'	JOB NUMBER: 23-5836

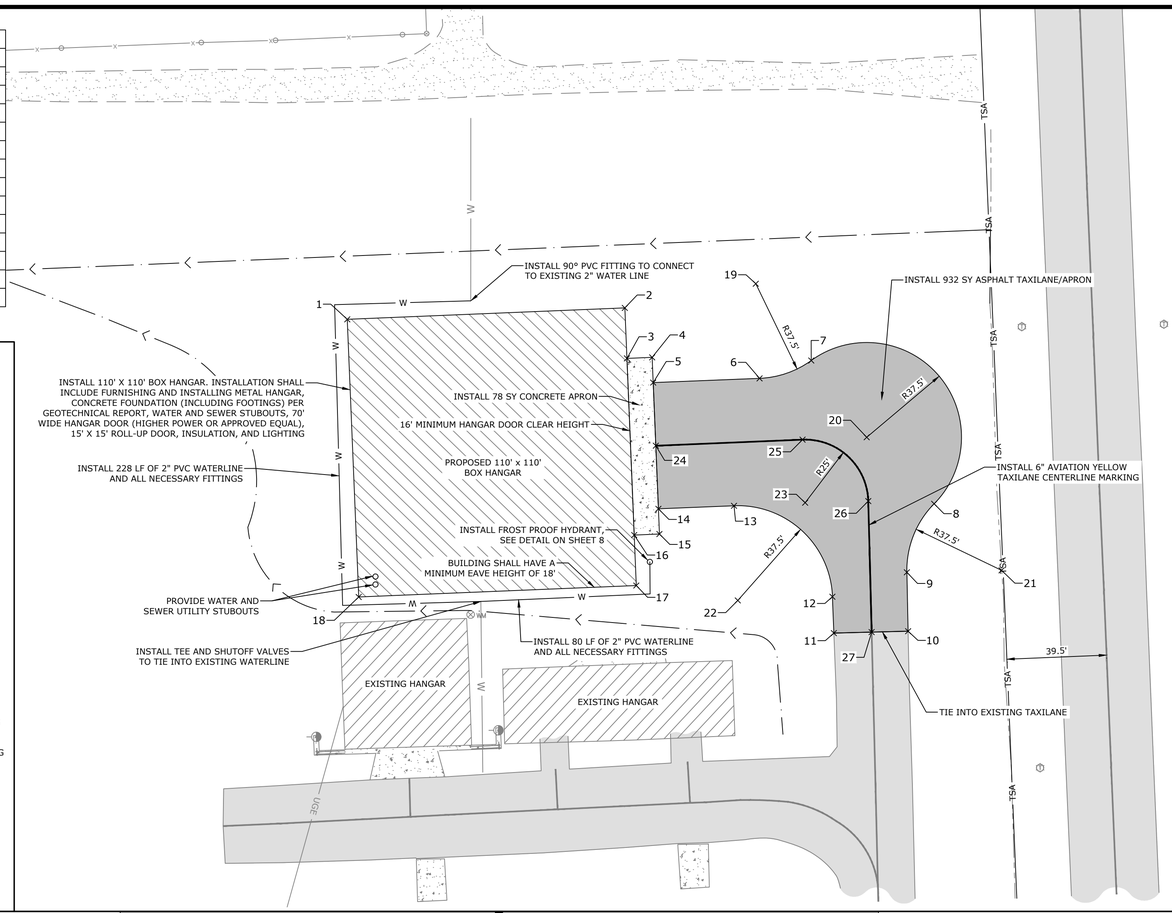
4

W:\2023\23-5836 Blytheville Municipal Airport Taxilane And Box Hangar Construction (Design)\Design Drawings\Civil\23-5836 Site.dwg, PRINTED ON: May 20, 2025 @ 10:23 AM

POINT TABLE			POINT TABLE		
POINT #	NORTHING	EASTING	POINT #	NORTHING	EASTING
1	591156.4218	1953911.2703	15	591071.4362	1954034.8724
2	591160.9485	1954021.1772	16	591071.0247	1954024.8808
3	591140.9654	1954022.0002	17	591051.0417	1954025.7039
4	591141.3769	1954031.9917	18	591046.5150	1953915.7971
5	591131.3854	1954032.4033	19	591170.5289	1954073.0259
6	591133.0589	1954074.5250	20	591109.7366	1954116.9496
7	591140.1328	1954094.9877	21	591057.0615	1954170.3381
8	591083.3990	1954143.6438	22	591045.1435	1954065.8921
9	591056.2827	1954132.8462	23	591083.8209	1954092.5658
10	591032.9641	1954133.3306	24	591106.3948	1954033.4325
11	591032.2150	1954103.9270	25	591108.7998	1954091.5370
12	591046.6105	1954103.3634	26	591084.4668	1954117.5575
13	591082.6135	1954064.3930	27	591032.5964	1954118.8979
14	591081.4160	1954034.4613			

LEGEND

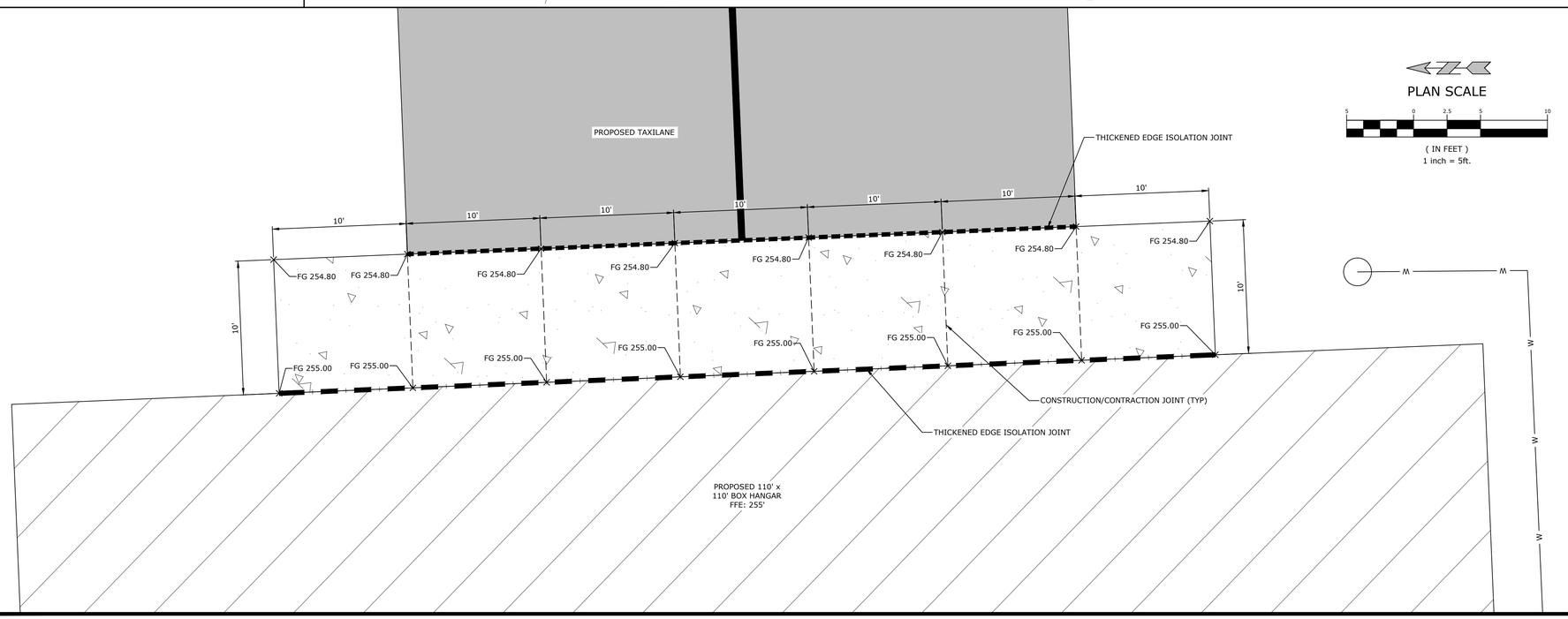
- PROPOSED ASPHALT TAXILANE/APRON
- PROPOSED CONCRETE APRON
- PROPOSED 110' x 110' BOX HANGAR
- PROPOSED DITCHLINE
- TSA — TAXIWAY SAFETY AREA
- EXISTING TAXIWAY EDGE LIGHTS
- EXISTING BUILDING
- UGE — EXISTING UNDERGROUND ELECTRIC
- EXISTING DITCH LINE
- EXISTING GRAVEL ACCESS ROAD
- EXISTING FENCE LINE
- EXISTING TAXILANE CENTERLINE MARKING
- PROPOSED TAXILANE CENTERLINE MARKING
- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE PAVEMENT
- W — EXISTING WATERLINE
- W — PROPOSED WATERLINE



PLAN SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30ft.



PLAN SCALE

5 0 2.5 5 10

(IN FEET)
1 inch = 5ft.

GENERAL SITE NOTES

1. PUBLIC CONVENIENCE AND SAFETY: THE CONTRACTOR SHALL CONDUCT THE WORK IN A MANNER THAT WILL INSURE, AS FAR AS PRACTICABLE, THE LEAST OBSTRUCTION TO GROUND TRAFFIC AND SHALL PROVIDE FOR THE CONVENIENCE AND SAFETY OF THE GENERAL PUBLIC AND AIRPORT USERS AT OR NEAR THE AIRPORT IN AN ADEQUATE AND SATISFACTORY MANNER IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2G "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION".
2. CONTRACTOR SHALL RETAIN A FULL SET OF LATEST APPROVED CONSTRUCTION PLANS ON SITE DURING CONSTRUCTION ACTIVITIES.
3. CONSTRUCTION METHODS AND MATERIALS NOT SPECIFIED IN THESE PLANS ARE TO MEET OR EXCEED THE SITE WORK SPECIFICATIONS PROVIDED BY McCLELLAND CONSULTING ENGINEERS, INC. OR AS SPECIFIED BY THE OWNER'S RESIDENT REPRESENTATIVE.
4. CONTRACTOR SHALL REFER TO PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT DETAILS FOR PAVING DESIGN AND PROPER MATERIALS.
5. ALL OSHA REGULATIONS SHALL BE STRICTLY FOLLOWED AND SPECIAL CARE TAKEN TO PREVENT INTERACTION W/ OVERHEAD OR UNDERGROUND POWER SOURCES.
6. THE LOCATION OF KNOWN SUBSURFACE STRUCTURES, PIPE, POWER, GAS, PHONE, RUNWAY/TAXIWAY LIGHTING AND CABLES, ETC. ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING INFORMATION AND SATISFYING HIMSELF AS TO THE LOCATION OF THE AFOREMENTIONED ITEMS, SHOWN AND NOT SHOWN. ALL REPAIRS OR RELOCATIONS NECESSARY SHALL BE MADE AS REQUIRED BY THE OWNER OF THE UTILITY OR STRUCTURE. THE COST OF SUCH REPAIRS OR RELOCATIONS NECESSARY SHALL BE BORNE BY THE CONTRACTOR.
7. THE CONTRACTOR IS REQUIRED TO NOTIFY THE ONE CALL CENTER AT (800) 482-8998 AT LEAST 48 HOURS PRIOR TO EXCAVATING IN ORDER THAT UNDERGROUND UTILITIES IN THE AREA CAN BE LOCATED. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR COORDINATION WITH THE FAA UTILITIES / FACILITIES MANAGER TO LOCATE ANY UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. ANY REQUIRED FEES AND COSTS ASSOCIATED WITH UTILITY LOCATING SHALL BE BORNE BY THE CONTRACTOR.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, LICENSES, ETC. REQUIRED BY ALL LOCAL, STATE, AND FEDERAL AGENCIES.
9. ALL PAVEMENTS, LIGHTING SYSTEMS, SIGNS, FACILITIES, DRAINAGE STRUCTURES, FENCES, ETC. THAT ARE DISTURBED SHALL BE RESTORED TO THEIR ORIGINAL OR BETTER CONDITION USING LIKE MATERIALS. COST OF SUCH REPAIRS SHALL BE BORNE BY THE CONTRACTOR UNLESS PROVISIONS FOR PAYMENT ARE MADE IN THE CONTRACT DOCUMENTS.
10. UPON NOTIFICATION OF A DECLARED AIRCRAFT EMERGENCY, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE RUNWAY AND / OR TAXIWAY OF EQUIPMENT AND PERSONNEL.
11. ALL CONCRETE SHALL DEVELOP 4,000 PSI COMPRESSIVE STRENGTH IN 28 DAYS UNLESS OTHERWISE SPECIFIED.
12. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LAYOUT COORDINATES IN THE FIELD. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER FOR DIRECTION PRIOR TO COMMENCING CONSTRUCTION.
13. CARE SHOULD BE TAKEN TO APPLY PAINT FOR PAVEMENT MARKINGS AT THE PROPER YIELD TO PREVENT DAMAGE TO THE PAVEMENT. APPLICATION RATES SHOULD NOT EXCEED MANUFACTURER'S RECOMMENDATIONS. IF DAMAGE TO THE PAVEMENT OCCURS, CONTRACTOR SHALL REPAIR AT THEIR OWN EXPENSE.
14. GLASS BEADS ARE TO BE APPLIED TO ALL MARKINGS IN ACCORDANCE WITH THE SPECIFICATIONS (UNLESS OTHERWISE NOTED).
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND STAKING.
16. THE CONTRACTOR SHALL KEEP ALL AOA SURFACES CLEAN AND SWEPT FREE OF DEBRIS. WORK AREAS WILL NOT BE OPENED FOR USE UNTIL THEY HAVE BEEN SWEPT FREE OF ALL TRASH AND DEBRIS.

HANGAR NOTES:

1. DIMENSIONS MAY VARY FROM THAT SHOWN ON THE PLANS DEPENDENT ON HANGAR MANUFACTURER AND DOOR MANUFACTURER. MINIMUM CLEAR DISTANCES MUST BE MET.
2. CONTRACTOR SHALL COORDINATE HANGAR COLORS WITH THE OWNER.
3. ALL STRUCTURAL ELEMENTS AND MISCELLANEOUS COMPONENTS OF HANGAR (INCLUDING SLAB FOUNDATION AND FOOTINGS) SHALL BE DESIGNED BY HANGAR MANUFACTURER WITH THE DESIGN APPROVED AND CERTIFIED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ARKANSAS.
4. HANGAR DOOR SHOULD INCLUDE BUILT-IN 36" WALK DOOR. WALK DOOR SHALL BE FLUSH MOUNTED STEEL WITH STANDARD TELL LEVER LOCKSET.
5. INSTALL 15' WIDE ROLL-UP DOOR (INTERIOR MOUNTED), 15' MINIMUM VERTICAL CLEARANCE, LOCKING CAPABILITY, AND MOTOR OPERATED (COIL-AWAY MODEL 600 OR ENGINEER APPROVED EQUAL).

McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.16461
ALEXANDER SMITH
5/16/2025

ORIGINAL SIGNATURE ON FILE

BLYTHEVILLE MUNICIPAL AIRPORT (HKA)
CONSTRUCT HANGAR AND TAXILANE

BLYTHEVILLE, ARKANSAS

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

REVISIONS

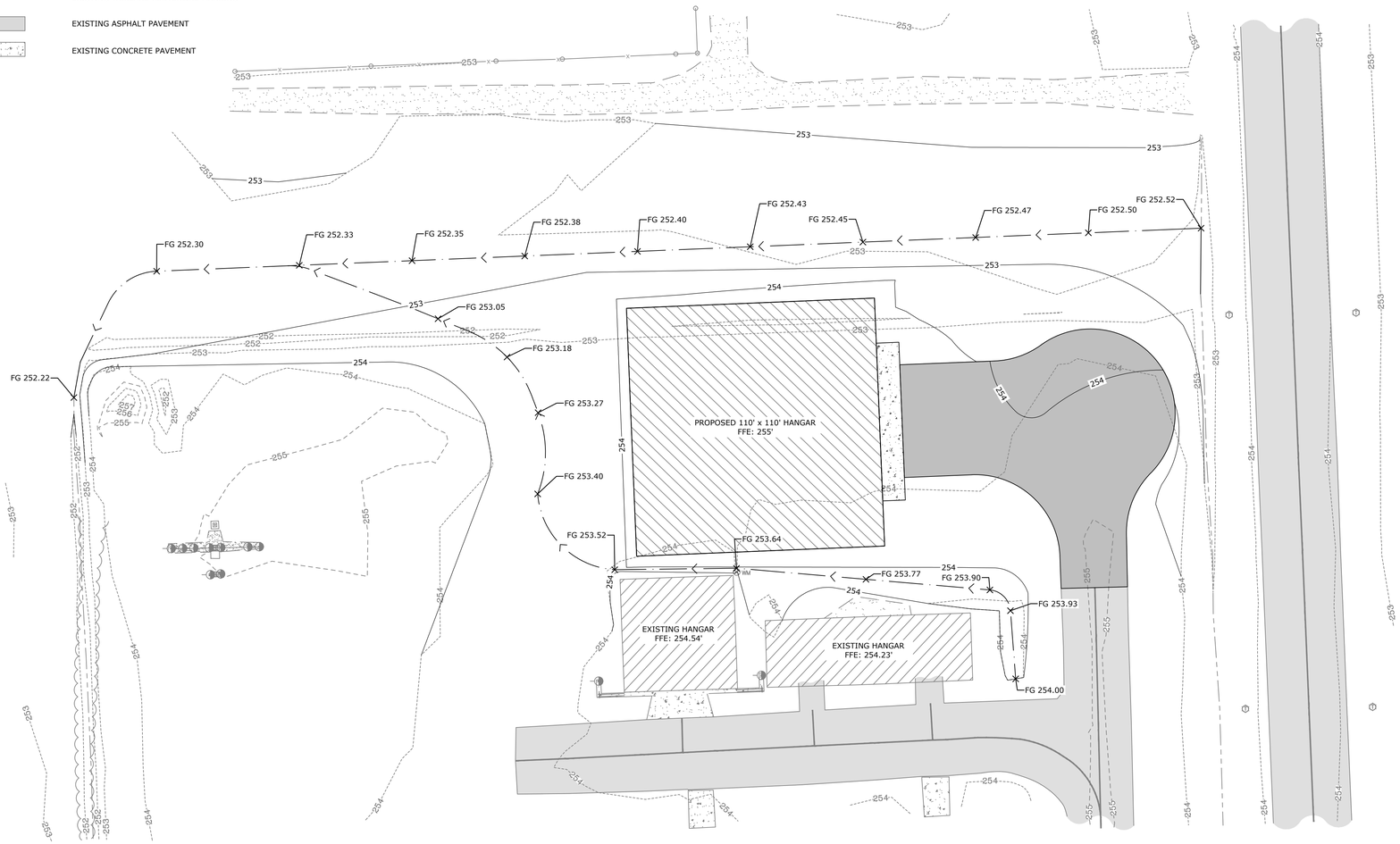
REV	DATE	DESCRIPTION

SITE LAYOUT

DESIGNED BY:	DRAWN BY:
JME	SJM
DATE:	REVISION:
MAY, 2025	
SCALE:	JOB NUMBER:
AS SHOWN	23-5836

LEGEND

- PROPOSED ASPHALT TAXILANE/APRON
- PROPOSED CONCRETE APRON
- PROPOSED 110' x 110' BOX HANGAR
- PROPOSED DITCHLINE
- TSA — TAXIWAY SAFETY AREA
- EXISTING TAXIWAY EDGE LIGHTS
- EXISTING BUILDING
- 255 — EXISTING MAJOR CONTOUR
- 254 — EXISTING MINOR CONTOUR
- 255 — PROPOSED MAJOR CONTOUR
- 254 — PROPOSED MINOR CONTOUR
- UGE — EXISTING UNDERGROUND ELECTRIC
- EXISTING DITCH LINE
- EXISTING GRAVEL ACCESS ROAD
- EXISTING FENCE LINE
- EXISTING TAXILANE CENTERLINE MARKING
- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE PAVEMENT



GENERAL GRADING/DRAINAGE NOTES

1. INFORMATION PERTAINING TO UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD LOCATIONS WHEN POSSIBLE, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS IN ADVANCE OF MACHINE TRENCHING. IF CLEARANCES ARE LESS THAN SPECIFIED ON THESE PLANS OR 18", WHICH EVER IS LESS, CONTACT THE ENGINEER AND THE OWNER / DEVELOPER PRIOR TO PROCEEDING WITH CONSTRUCTION.
2. ALL STRUCTURES LOCATED WITHIN STATE OR FEDERAL RIGHT-OF-WAY OR OTHERWISE NOTED ON THE THESE PLANS SHALL BE CONSTRUCTED PER APPLICABLE STANDARDS. IF STRUCTURE(S) ARE NOT PROTOTYPICAL OR CONSTRUCTION CANNOT BE ACHIEVED, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO McCLELLAND CONSULTING ENGINEERS, INC. FOR REVIEW AND APPROVAL.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OR REMOVAL OF EXISTING UNDERGROUND UTILITIES SHOWN OR NOT SHOWN AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES ON ADJUSTING EXISTING UTILITY LINE AS REQUIRED BY CUT AND FILL AT NO ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SHEETING, SHORING, BRACING, AND SPECIAL EXCAVATION MEASURES REQUIRED TO MEET ALL OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THESE DRAWINGS.
6. ALL STORM DRAIN PIPES ARE MEASURED FROM CENTER OF STRUCTURES AND END OF FLARED END SECTIONS.
7. RETAINING WALL(S) SHALL BE CONSTRUCTED TO EXTEND A MINIMUM OF 6 INCHES ABOVE THE TOP OF FINISHED GRADE. CONTRACTOR SHALL REFER TO THE RETAINING WALL PLAN(S) FOR CONSTRUCTION AND DESIGN SPECIFICATIONS. CONTRACTOR SHALL NOTIFY THE ENGINEER IF RETAINING WALL PLANS DIFFER FROM THIS.
8. ALL DISTURBED AREAS AND SLOPES SHALL BE GRADED SMOOTH AND (4") OF TOP SOIL APPLIED. THE AREA SHALL BE SEEDED AND WATERED UNTIL HARDY GRASS GROWTH HAS BEEN ESTABLISHED (SEE SPECIFICATIONS FOR SEEDING REQUIREMENTS).
9. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL PRACTICES IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND CONSTRUCTION SCHEDULE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING SWPPP WHEN NECESSARY.
10. REMOVE GOOD TOPSOIL FROM AREAS TO BE GRADED AND FILLED, AND PRESERVE IT FOR USE IN FINISHING THE GRADING OF ALL CRITICAL AREAS.
11. SCARIFY COMPACTED OR UNDISTURBED AREAS TO RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 5 INCHES BEFORE PLACING TOPSOIL PER SPECIFICATIONS.
12. CLEAR AND GRUB AREAS TO BE FILLED, REMOVE TREES, VEGETATION, ROOTS, LARGE ROCKS, DEBRIS, AND OTHER MATERIALS THAT WOULD AFFECT THE STABILITY OF THE FILL.
13. ENSURE THAT FILL MATERIAL IS FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS, AND OTHER MATERIALS INAPPROPRIATE FOR CONSTRUCTING STABLE FILLS.
14. DO NOT INCORPORATE FROZEN MATERIAL OR SOFT, MUCK, OR HIGHLY COMPRESSIBLE MATERIALS INTO FILL SLOPES.
15. KEEP DIVERSIONS AND OTHER WATER CONVEYANCE MEASURES FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
16. PERMANENTLY STABILIZE ALL GRADED AREAS AFTER FINAL GRADING IS COMPLETED ON EACH AREA OF THE GRADING PLAN. APPLY TEMPORARY STABILIZATION MEASURES ON ALL GRADED AREAS WHEN WORK IS TO BE INTERRUPTED OR DELAYED (SEE EROSION CONTROL PLAN).
17. CONTRACTOR SHALL MATCH TOP OF PROPOSED DRAINAGE STRUCTURES WITH PROPOSED GRADES. IF A DISCREPANCY OCCURS BETWEEN PROPOSED GRADES AND PROPOSED STRUCTURE TOPS, THE GRADING SHALL GOVERN. IF THE DISCREPANCY IS MORE THAN 4 INCHES, THE CONTRACTOR SHALL CONTACT THE ENGINEER.
18. ALL UTILITIES, INCLUDING STORM SEWER, SHOWN WITHIN PUBLIC EASEMENTS OR RIGHT-OF-WAYS SHALL BE CONSTRUCTED TO THE GOVERNING AGENCY'S SPECIFICATIONS. ALL OTHER UTILITIES SHALL BE CONSTRUCTED TO THE CLIENT'S OR THE GOVERNING AGENCY'S SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. IF THERE IS A QUESTION AS TO WHICH SPECIFICATIONS SHOULD APPLY, THE CONTRACTOR SHALL CONTACT THE ENGINEER.
19. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.
20. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON-SITE PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT THE ONE CALL CENTER AT (800) 482-8998 AT LEAST 48 HOURS PRIOR TO GRADING START AND LOCATE ALL UTILITIES.
21. SITE GRADING SHALL NOT PROCEED UNTIL PERIMETER EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
22. REFER TO GEOTECHNICAL REPORT FOR GENERAL DESCRIPTION OF SOIL STRATA AND INFORMATION ON EXISTING ROCK.

PLAN SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30ft.

McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.16461
ALEXANDER SMITH
5/16/2025
ORIGINAL SIGNATURE ON FILE

BLYTHEVILLE MUNICIPAL AIRPORT (HKA)
CONSTRUCT HANGAR AND TAXILANE
BLYTHEVILLE, ARKANSAS

Know what's below. Call before you dig.

REVISIONS

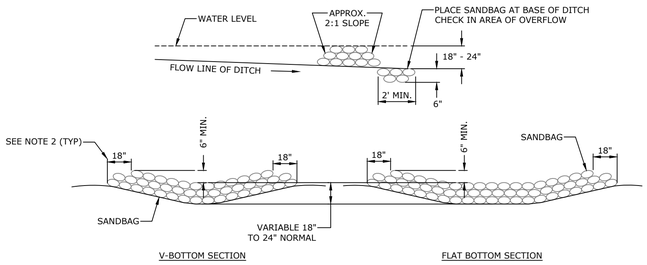
REV	DATE	DESCRIPTION

GRADING AND DRAINAGE PLAN

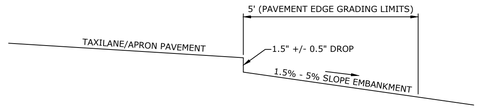
DESIGNED BY:	DRAWN BY:
JME	SJM
DATE:	REVISION:
MAY, 2025	
SCALE:	JOB NUMBER:
1" = 30'	23-5836

NOTES:
1. MAXIMUM SPACING BETWEEN DITCH CHECKS SHALL BE SUCH THAT THE TOE OF THE UPSTREAM DITCH CHECK IS AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM DITCH CHECK.
2. EXTEND THE DITCH CHECK 18" INTO THE DITCH BANKS.

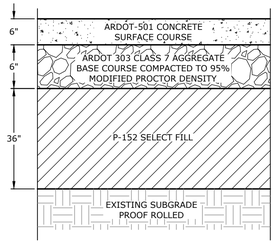
MAINTENANCE & INSPECTIONS:
1. REMOVE ALL SEDIMENT FROM BEHIND ANY DITCH CHECK(S) WHEN IT REACHES 2/3 THE HEIGHT OF DITCH CHECK(S), OR AS NEEDED. ALL REMOVED SEDIMENT SHALL BE LOCATED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT RUNOFF TO ANY OFFSITE AREA AND CAN BE PERMANENTLY STABILIZED.
2. ALL DITCH CHECK(S) SHALL BE INSPECTED PERIODICALLY FOR DAMAGE AFTER ALL SIGNIFICANT STORM EVENTS (>1" IN 24 HRS) AND DURING WINTER MONTHS. REPAIRS SHALL BE MADE PROMPTLY TO BRING DITCH CHECK(S) BACK TO A FUNCTIONAL STATE. ANY EROSION AROUND AND / OR UNDER THE DITCH CHECK(S) SHALL BE REPAIRED IMMEDIATELY.
3. CONTRACTOR TO REMOVE ALL DITCH CHECK(S) WHEN SITE STABILIZATION IS COMPLETE.



SANDBAG DITCH CHECK
N.T.S.

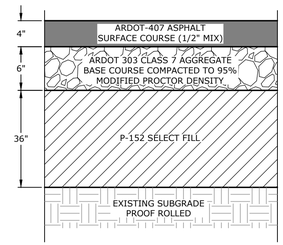


PAVEMENT EDGE GRADING
N.T.S.



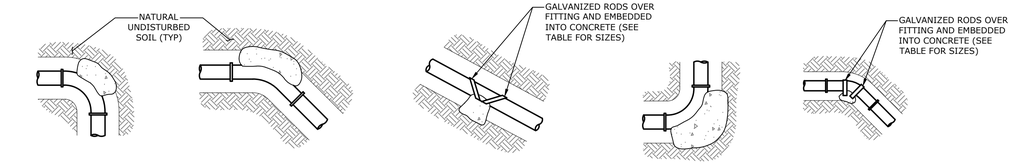
NOTES:
1. MATERIALS TO BE COMPACTED AT OPTIMAL MOISTURE CONTENT BASED UPON GEOTECHNICAL RECOMMENDATIONS.
2. BASE COURSE AND ASPHALT SURFACE COURSE SHALL ADHERE TO ARDOT - 303 CLASS 7 STANDARD SPECIFICATIONS, LATEST EDITION.
3. CONCRETE SURFACE COURSE SHALL ADHERE TO ARDOT - 501 STANDARD SPECIFICATIONS, LATEST EDITION.
4. REFER TO GEOTECHNICAL REPORT PROJECT IN PROJECT SPECIFICATIONS.
5. MATERIAL CONFORMING TO ARDOT 303 CLASS 8 AGGREGATE BASE COURSE IS AN APPROVED ALTERNATE.

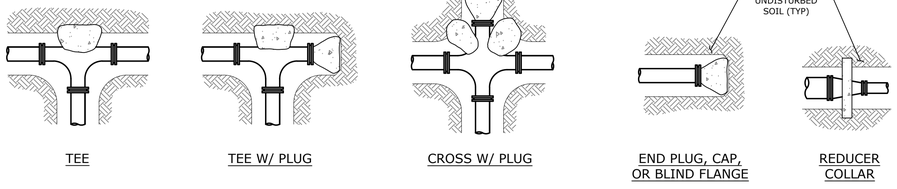
CONCRETE PAVEMENT SECTION DETAIL
N.T.S.



NOTES:
1. MATERIALS TO BE COMPACTED AT OPTIMAL MOISTURE CONTENT BASED UPON GEOTECHNICAL RECOMMENDATIONS.
2. BASE COURSE AND ASPHALT SURFACE COURSE SHALL ADHERE TO ARDOT - 303 CLASS 7 STANDARD SPECIFICATIONS, LATEST EDITION.
3. ASPHALT SURFACE COURSE SHALL ADHERE TO ARDOT - 407 STANDARD SPECIFICATIONS, LATEST EDITION.
4. REFER TO GEOTECHNICAL REPORT PROJECT IN PROJECT SPECIFICATIONS.
5. MATERIAL CONFORMING TO ARDOT 303 CLASS 8 AGGREGATE BASE COURSE IS AN APPROVED ALTERNATE.

ASPHALT PAVEMENT SECTION DETAIL
N.T.S.



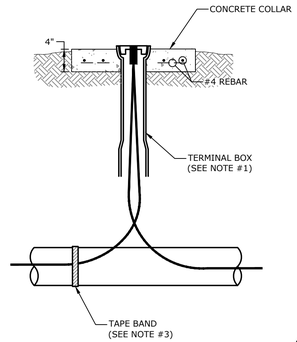


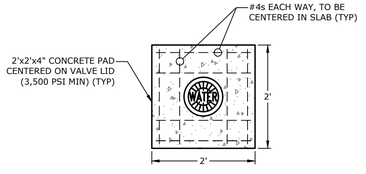
THRUST BLOCKING SCHEDULE													
BEARING AREA OF THRUST BLOCKING (SQ. FT.) (HORIZONTAL BENDS)								VOLUME OF THRUST BLOCKING (CU. FT.) (VERTICAL BENDS)					
FITTING SIZE	TEE, WYE, PLUG, OR CAP	90° BEND, PLUGGED CROSS	TEE PLUGGED ON RUN (A1)	TEE PLUGGED ON RUN (A2)	BEND ANGLES			FITTING SIZE	BEND ANGLES			ROD SIZE	EMBEDMENT	CUBIC YARDS
					45°	22.5°	11.25°		45°	22.5°	11.25°			
2", 3", & 4"	1.30	1.80	1.30	1.80	1.00	1.0	-	2", 3", & 4"	1.50	0.5	0.3	#6	30"	-
6"	2.80	4.00	2.80	4.00	2.20	1.1	1.0	6"	3.60	1.3	0.5	#6	30"	-
8"	5.00	7.10	5.00	7.10	3.80	2.0	1.0	8"	5.30	2.0	0.8	#6	30"	0.6
10"	7.90	11.10	7.90	11.10	6.00	3.0	1.6	10"	8.00	3.1	1.2	#6	30"	-
12"	11.30	16.00	11.30	16.00	8.70	4.4	2.3	12"	11.30	4.3	1.7	#6	30"	1.3

NOTES:
1. CONCRETE FOR THRUST BLOCKS SHALL DEVELOP NOT LESS THAN 2,500 P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS AND BE PLACED AGAINST UNDISTURBED SOIL.
2. ALL BENDS, BOTH HORIZONTAL AND VERTICAL, SHALL BE BACKED WITH CONCRETE. VERTICAL BENDS SHALL BE PLACED ON CONCRETE PADS WHERE BENDS TURN UP, OR LOADED WHERE BENDS TURN DOWN.
3. WRAP PIPE JOINTS IN 8 MIL POLYETHYLENE BEFORE PLACING CONCRETE. USE LONG-RADIUS FITTINGS WHEREVER POSSIBLE.
4. BEARING AREA SHOWN IN TABLE, IS BASED UPON A 2000 LB/SF. SOIL BEARING, AND UPON A PIPELINE PRESSURE OF 250 psi PLUS WATER HAMMER. AREAS SHOWN SHALL BE ADJUSTED, SHOULD FIELD CONDITIONS VARY.
5. UTILIZE MEGALUG THRUST RESTRAINTS ON MECHANICAL JOINT FITTINGS AND VALVES, IN ADDITION TO THESE THRUST BLOCKS.

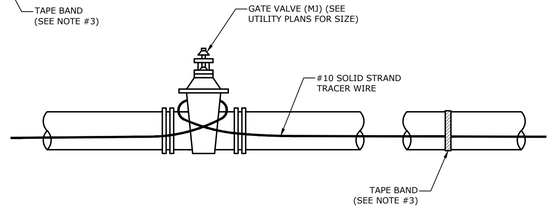
THRUST BLOCKING
N.T.S.

NOTES:
1. TERMINAL BOXES TO BE EAST JORDAN IRON WORKS 8550 SERIES (OR APPROVED EQUAL); EXTENSIONS TO BE PROVIDED WHERE REQUIRED.
2. TERMINAL BOXES SHALL BE LOCATED AT APPROXIMATELY 500' INTERVALS (OR AT LOCATIONS DETERMINED BY THE ENGINEER) AND AT EACH END OF THE PIPING INSTALLATION. A CONCRETE COLLAR SHALL BE PLACED ON EACH TERMINAL BOX LOCATED OUTSIDE OF PAVEMENT SURFACES OR SIDEWALKS.
3. TAPE BANDS SHALL BE PLACED EVERY 10' TO HOLD TRACER WIRE IN PLACE DURING INSTALLATION.
4. CONTRACTOR SHALL PROVIDE AN INSTRUMENT AND DEMONSTRATE THE ELECTRICAL CONTINUITY OF ALL TRACER WIRES PRIOR TO THE FINAL ACCEPTANCE BY THE OWNER.
5. TRACER WIRE SHALL BE INSTALLED IN THE LOCATION DIRECTED BT THE ENGINEER, BUT SHALL GENERALLY BE LOCATED IMMEDIATELY ADJACENT TO THE PIPE AND AT THE SAME DEPTH. TRACER WIRE SHALL ALSO BE INSTALLED ON SERVICE LINES BETWEEN THE WATER LINE(S) AND WATER METER(S). TRADER WIRE SHALL EXTEND AT LEAST 1' INTO THE METER BOX(S).
6. WIRE SHALL BE SPLICED USING 3M DIRECT BURY SPLICE KIT DBR / Y-6 (OR APPROVED EQUAL).





PLAN VIEW



McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.16461
ALEXANDER SMITH
5/16/2025
ORIGINAL SIGNATURE ON FILE

BLYTHEVILLE MUNICIPAL AIRPORT (HKA)
CONSTRUCT HANGAR AND TAXILANE
BLYTHEVILLE, ARKANSAS

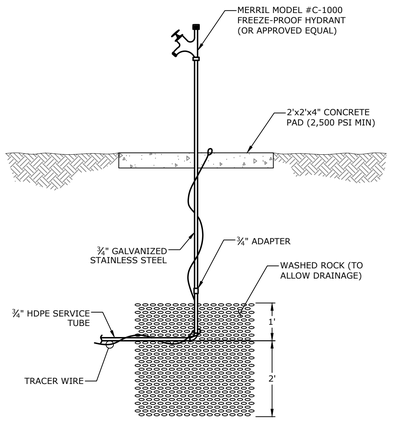
Know what's below. Call before you dig. 811

REVISIONS

REV	DATE	DESCRIPTION

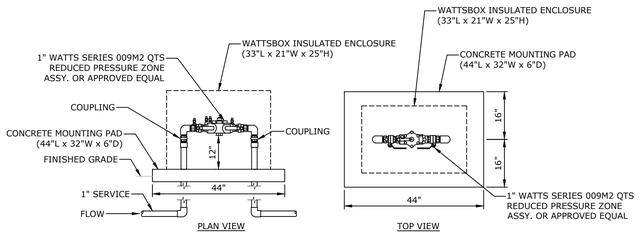
MISCELLANEOUS DETAILS I

DESIGNED BY:	DRAWN BY :
JME	SJM
DATE:	REVISION:
MAY, 2025	
SCALE:	JOB NUMBER:
N.T.S.	23-5836



FROST PROOF HYDRANT

N.T.S.



MOUNTING SPECIFICATIONS

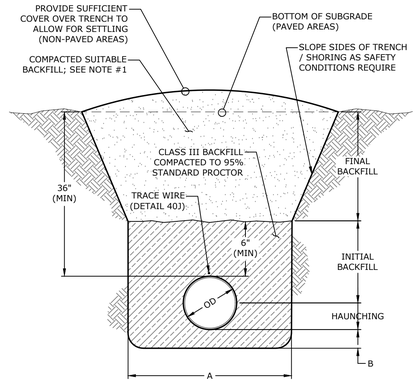
1. CONCRETE: CLASS 1 CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS.
2. REINFORCEMENT: GRADE 60 REINFORCED. STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.

1" REDUCED PRESSURE ZONE (RPZ) ASSEMBLY DETAIL

N.T.S.

NOTES:

1. FOR AREAS WHERE PIPE IS LOCATED UNDER NON-PAVED AREAS, BACKFILL SHALL BE COMPACTED SUITABLE NATIVE MATERIAL (DO NOT INCORPORATE FROZEN MATERIAL OR SOFT, MUCK, OR HIGHLY COMPRESSIBLE MATERIALS INTO FILL). FOR AREAS WHERE PIPE IS LOCATED UNDER PAVED AREAS, BACKFILL SHALL BE SELECT FILL COMPACTED PER THE GEOTECHNICAL REPORT PROJECT NO. 22-3846 PREPARED BY McCLELLAND CONSULTING ENGINEERS, INC. DATED APRIL, 2022.



TRENCHING, BACKFILL, & BEDDING TABLE	
'A'	OD + 18" (MIN) OD + 24" (MAX)
'B'	.25 x OD (4" MIN)

WATER LINE TRENCHING, BACKFILL, & BEDDING

N.T.S.

McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.16461
JAMES ALEXANDER SMITH
5/16/2025

ORIGINAL SIGNATURE ON FILE

BLYTHEVILLE MUNICIPAL AIRPORT (HKA)
CONSTRUCT HANGAR AND TAXILANE

BLYTHEVILLE, ARKANSAS

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

REVISIONS		
REV	DATE	DESCRIPTION

MISCELLANEOUS DETAILS II

DESIGNED BY:	DRAWN BY :
JME	SJM
DATE:	REVISION:
MAY, 2025	
SCALE:	JOB NUMBER:
N.T.S.	23-5836

POWER, LIGHTING & SYSTEM LEGEND

- UNDER CABINET LIGHT FIXTURE
- 1x4 FLUORESCENT LIGHT
- 2x4 FLUORESCENT LIGHT
- EL — FLUORESCENT LIGHT WITH EMERGENCY LIGHT (EL) BATTERY 1400 LUMENS MINIMUM FOR 2 LAMPS
- 2x2 FLUORESCENT LIGHT
- RECESSED LIGHT, UNLESS OTHERWISE SHOWN
- WALL MOUNTED LIGHT–MOUNTING HEIGHT AS INDICATED
- LED EXIT LIGHT, CEILING MOUNTED OR AS INDICATED, DARKENED AREA INDICATES FACE, ARROWS INDICATE DIRECTION OF EGRESS
- EMERGENCY EXIT LIGHT, WALL MOUNT 7'–6" A.F.F. OR AS NOTED
- 4 FT. STRIP FLUORESCENT LIGHT
- S — LIGHT SWITCH, MTD. 4'–0" A.F.F.
- S_2 — LIGHT SWITCH, 2 POLE, MTD 4'–0" A.F.F.
- S_3 — LIGHT SWITCH, 3–WAY, MTD. 4'–0" A.F.F.
- S_4 — LIGHT SWITCH, 4–WAY, MTD. 4'–0" A.F.F.
- S_P — LIGHT SWITCH WITH PILOT LIGHT, MTD. 4'–0" A.F.F.
- 20 AMP DUPLEX RECEPTACLE MTD. HORIZ. 6" ABOVE COUNTER TOP UNLESS OTHERWISE SHOWN
- 20 AMP DUPLEX RECEPTACLE MTD. 18" A.F.F., WITH #12 GROUND WIRE, GFCI INDICATES GROUND FAULT CIRCUIT INTERRUPTER, WP INDICATES WEATHERPROOF WHILE IN USE ENCLOSURE AND COVER
- SINGLE RECEPTACLE, RATINGS AS NOTED
- S_M — HP RATED TOGGLE SWITCH, 1 OR 2 POLES AS REQUIRED W/OVERLOADS
- OR — NON–FUSED DISCONNECT SWITCH, SIZE AS NOTED
- OR — COMBINATION DISCONNECT AND MOTOR STARTER, SIZE AS NOTED. FUSED TYPE SHOWN.
- F OR — FUSED DISCONNECT SWITCH, SIZE AS NOTED
- PUSHBUTTON STATION, NEMA 4X
- ELECTRICAL PANEL, SURFACE MOUNTED, 5'–6" TO TOP OF ENCLOSURE
- ELECTRICAL PANEL, RECESSED MOUNTED, 5'–6" TO TOP OT ENCLOSURE
- EQUIPMENT CABINET SIZE AS NOTED, RECESSED MOUNTED, 5'–6" TO TOP OF ENCLOSURE
- EQUIPMENT CABINET SIZE AS NOTED, SURFACE MOUNTED, 5'–6" TO TOP OF ENCLOSURE
- L–1 — HOME RUN TO PANEL, RECEPTACLES AND EQUIPMENT SHALL HAVE GREEN GROUND WIRE. NUMBER OF ARROWS INDICATES NUMBER OF PHASE CONDUCTORS, LETTER(S) INDICATE NAME OF PANEL, NUMBER(S) INDICATE CIRCUIT NUMBERS
- BRANCH CIRCUIT WITH PHASE, NEUTRAL, SWITCHED PHASE AND EQUIPMENT GROUNDING CONDUCTORS
- ∇_W — TELEPHONE OR DATA OUTLET, SINGLE GANG BOX MTD. 18" A.F.F. WITH 3/4"C STUB TO ABOVE LAY–IN CEILING. "W" INDICATES 4'–6" MTD. HEIGHT FOR WALL PHONE.

- 3/4" PLYWOOD TELEPHONE BACKBOARD, SIZE AS NOTED, MTD. 5'–6" TO TOP
- J — JUNCTION BOX 42 CUBIC INCH MINIMUM CAPACITY
- SH — SMOKE DETECTOR, WALL MTD.
- S — SMOKE DETECTOR, CEILING MTD.
- F — FIRE ALARM PULL STATION MTD. 4'–0" A.F.F.
- F — FIRE ALARM PULL STATION MTD. 4'–0" A.F.F. AND HORN MTD. 7'–0" A.F.F.
- D — SMOKE DETECTOR, HVAC DUCT MTD.
- C — FIRE ALARM CHIME 7'–0" A.F.F.
- FS — SPRINKLER FLOW SWITCH
- FLOOR TELEPHONE OUTLET, CAST JUNCTION–BOX
- WALL TELEPHONE/DATA OUTLET
- S — DOOR SWITCH MOUNTED IN DOOR JAMB
- DOOR BUTTON WEATHER PROOF, 50" A.F.F.
- B — DOOR BUZZER MTD 7'–0" A.F.F.
- H OR MH — H–1, MH–1 — HANDHOLE OR MANHOLE, IDENTIFIER SHOWN, REFER TO HANDHOLE OR MANHOLE SCHEDULE FOR SIZE
- CIRCUIT BREAKER, TRIP RATING SHOWN, 3–POLE UNLESS NOTED
- * — FUSE, CURRENT LIMITING, RATING AS SHOWN
- * — TRANSFORMER, RATINGS AS SHOWN
- M, 10 HP — ELECTRIC MOTOR, HORSEPOWER SHOWN
- * — MOTOR STARTER, SIZE AS SHOWN OR REQUIRED. FVNR UNLESS NOTED
- VARIABLE FREQUENCY DRIVE
- 4–4" — DUCT BANK, IDENTIFIER SHOWN. REFER TO DUCT BANK SCHEDULE FOR SIZE AND CONFIGURATION.
- 3/4" x 10' COPPER CLAD GROUND ROD
- SPD — SURGE ARRESTOR
- G, * kW — GENERATOR
- ATS/BP/IS 3P400 — ATS
- WEATHERHEAD
- CABLE CONNECTION

LINE TYPES

- FURNISH + INSTALL
- EXISTING

GENERAL NOTE:

1. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT BE UTILIZED ON THE PROJECT.

2(3#8 + 1#8 + 1#10EG) 3/4" GRS

- CONDUIT TYPE (SEE ABBREVIATIONS) REFER TO SPECIFICATIONS IF NOT SHOWN
- CONDUIT SIZE
- GROUNDING (GROUND) CONDUCTOR, NUMBER AND SIZE
- GROUNDED (NEUTRAL) CONDUCTOR, NUMBER AND SIZE
- PHASE (HOT) CONDUCTOR, NUMBER AND SIZE
- NUMBER OF SETS

ABBREVIATIONS

A	AMP
ACU	AIR CONDITIONING UNIT
AFF	ABOVE FINISHED FLOOR
AIC	AMPS INTERRUPTING CAPACITY
AM	AMP–METER
ANN	ANNUNCIATOR
AP	AERIAL PRIMARY
AS	AERIAL SECONDARY
AUX	AUXILIARY
BFI	BLOWN FUSE INDICATOR
BKR	BREAKER
C	CONDUIT
CGRS	PVC COATED GALVANIZED RIGID STEEL
CKT	CIRCUIT
COM	COMMON
CONT	CONTINUOUS
CP	CONTROL PANEL
CPT	CONTROL POWER TRANSFORMER
CR	CONTROL RELAY
CS	CORD SET
CU	COEFFICIENT OF UTILIZATION
DEB	DIRECT EARTH BURIED
EC	EMPTY OR EMBEDDED CONDUIT
EF	EXHAUST FAN
EG	EQUIPMENT GROUND
EL	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
ETM	ELASPED TIME METER
FA	FIRE ALARM
FAP	FIRE ALARM PANEL
FC	FAN COIL
FLR	FLOOR
FOC	FIBER OPTIC CABLE
FS	FLOAT SWITCH
FT	FEET
FVNR	FULL VOLTAGE NON–REVERSING STARTER
FVR	FULL VOLTAGE REVERSING STARTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
GRS	GALVANIZED RIGID STEEL
HOA	HAND–OFF–AUTO
HP	HORSEPOWER OR HEAT PUMP
HR	HOUR
JB	JUNCTION BOX
kVA	KILOVOLT–AMPERE
kVAR	KILOVOLT–AMPERE, REACTIVE
kW	KILOWATT
LA	LIGHTNING ARRESTOR
L.O.	LUGS ONLY
LV	LOW VOLTAGE
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MFR	MANUFACTURER
MIN	MINIMUM
MS	MOTOR STARTER
MTD	MOUNTED
NFDS	NON–FUSED DISCONNECT SWITCH
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVERHEAD
OL	OVERLOAD
PB	PUSH BUTTON
PEC	PHOTO ELECTRIC CELL
PF	POWER FACTOR
PL	PILOT LIGHT
PMR	PHASE MONITOR RELAY
PNL	PANEL
PTT	PUSH–TO–TEST
PVC	SCHEDULE 40 POLYVINYL CONDUIT
RECPT	RECEPTACLE
RM	ROOM
RVAT	REDUCED VOLTAGE AUTO–TRANSFORMER STARTER
S	SECOND
SA	SURGE ARRESTER
SDBC	SOFT DRAWN BARE COPPER
SE	SERVICE ENTRANCE
SHT	SHEET
SN	SOLID NEUTRAL
SS	STAINLESS STEEL
STA	STATION
SW	SWITCH
TC	TIME CLOCK
TEL	TELEPHONE
TD	TIME DELAY
TDD	TIME DELAY ON DE–ENERGIZATION
TDE	TIME DELAY ON ENERGIZATION
TYP	TYPICAL
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UG	UNDER GROUND
UH	UNIT HEATER
UP	UNDERGROUND PRIMARY
US	UNDERGROUND SECONDARY
VA	VOLT–AMP
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLT–METER
W	WATT OR WIRE
WH	WEATHER HEAD
WM	WATT METER
WP	WEATHERPROOF
W/	WITH
XMFR	TRANSFORMER

CONTROL SCHEMATIC LEGEND

- WIRING WITHIN PANEL
- WIRING TO FIELD DEVICE
- PUSHBUTTON SWITCH, NORMALLY OPEN
- PUSHBUTTON SWITCH, NORMALLY CLOSED
- SELECTOR SWITCH, NUMBER OF POSITIONS AND CONTACTS AS SHOWN
- RELAY CONTACT, NORMALLY OPEN
- RELAY CONTACT, NORMALLY CLOSED
- TIME DELAY CONTACT, CLOSE ON ENERGIZATION
- TIME DELAY CONTACT, OPEN ON ENERGIZATION
- TIME DELAY CONTACT, OPEN ON DE–ENERGIZATION
- TIME DELAY CONTACT, CLOSE ON DE–ENERGIZATION
- LEVEL SWITCH
- PRESSURE SWITCH
- LIMIT SWITCH CONTACT, NORMALLY OPEN
- LIMIT SWITCH CONTACT, NORMALLY CLOSED
- LIMIT SWITCH CONTACT, HELD OPEN
- LIMIT SWITCH CONTACT, HELD CLOSED
- RELAY COIL, "TR" INDICATES "TIMING RELAY"
- PILOT LIGHT; "A" INDICATES "AMBER LENS" "G" INDICATES "GREEN LENS" "R" INDICATES "RED LENS"
- SOLENOID
- ETM — ELAPSED TIME METER
- TERMINAL BLOCK
- ELECTRICAL CONNECTION
- FUSE, AMPERE RATING AS SHOWN OR REQUIRED "BFI" INDICATES "BLOWN FUSE INDICATOR" TYPE
- GROUND CONNECTION TO ENCLOSURE GROUND BAR

McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10206
BRUCE W. BROWN
04-23
ORIGINAL SIGNATURE ON FILE

BLYTHEVILLE MUNICIPAL AIRPORT (HKA)
TEXILANE AND BOX HANGAR CONSTRUCTION
BLYTHEVILLE, ARKANSAS

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

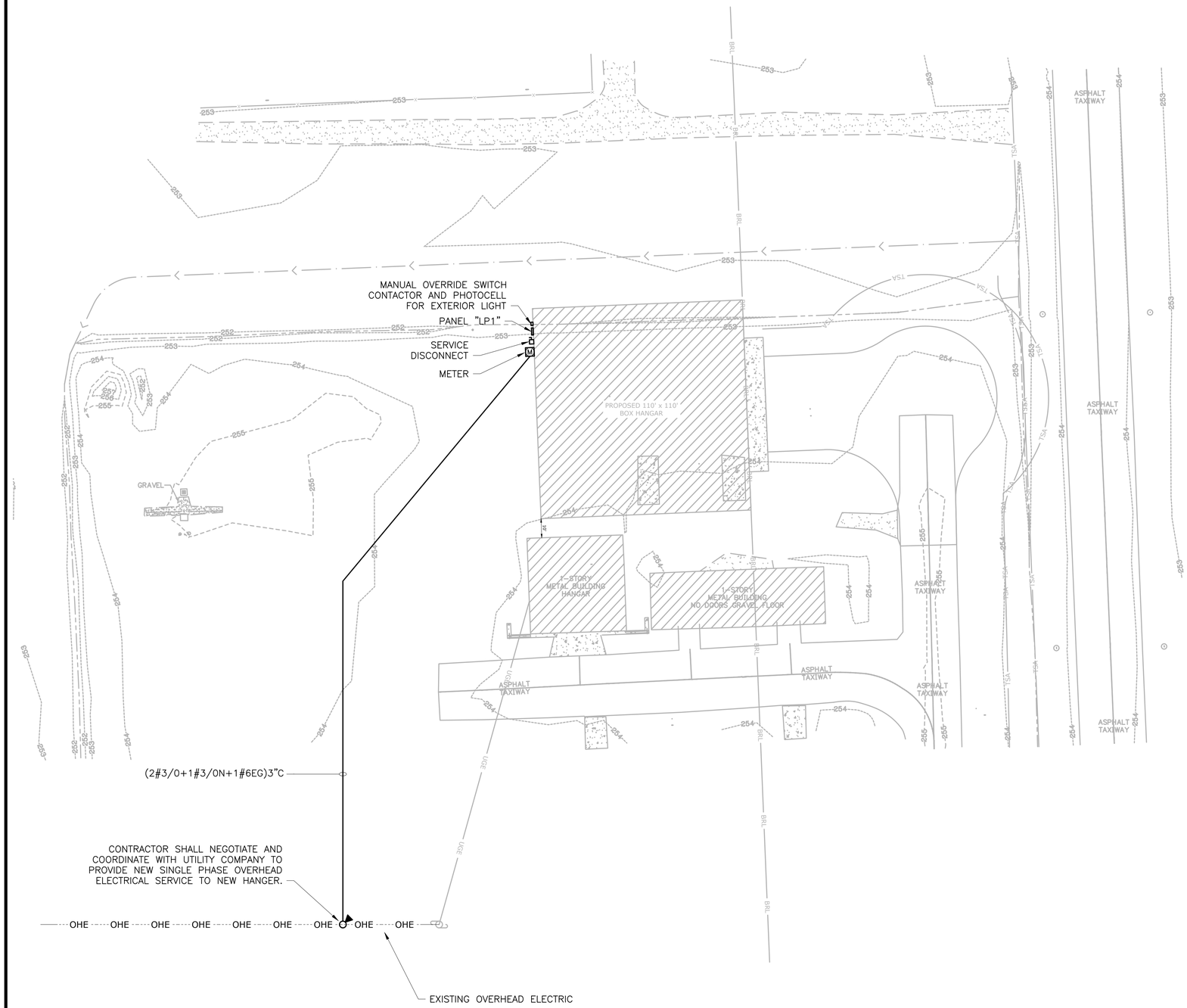
REVISIONS	NO.	DATE	DESCRIPTION

ELECTRICAL LEGEND

DESIGNED BY: BB	DRAWN BY : CD
DATE: 03/24/2025	
SCALE: AS SHOWN	JOB NUMBER: MCE-248

E1

P:\PRODUCTION\PROJECTS\MCCLELLAND CONSULTING ENGINEERS (MCE)\MCE-248 BLYTHEVILLE BOX HANGAR\DWG\E01_LEGEND.DWG
3/21/2025 8:58 AM



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

ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-482-8998. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM.

McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No.10206
BRUCE W. BROWN
04-03

ORIGINAL SIGNATURE ON FILE

BLYTHEVILLE MUNICIPAL AIRPORT (HKA)
TEXILANE AND BOX HANGAR CONSTRUCTION
BLYTHEVILLE, ARKANSAS

Know what's below. Call before you dig.

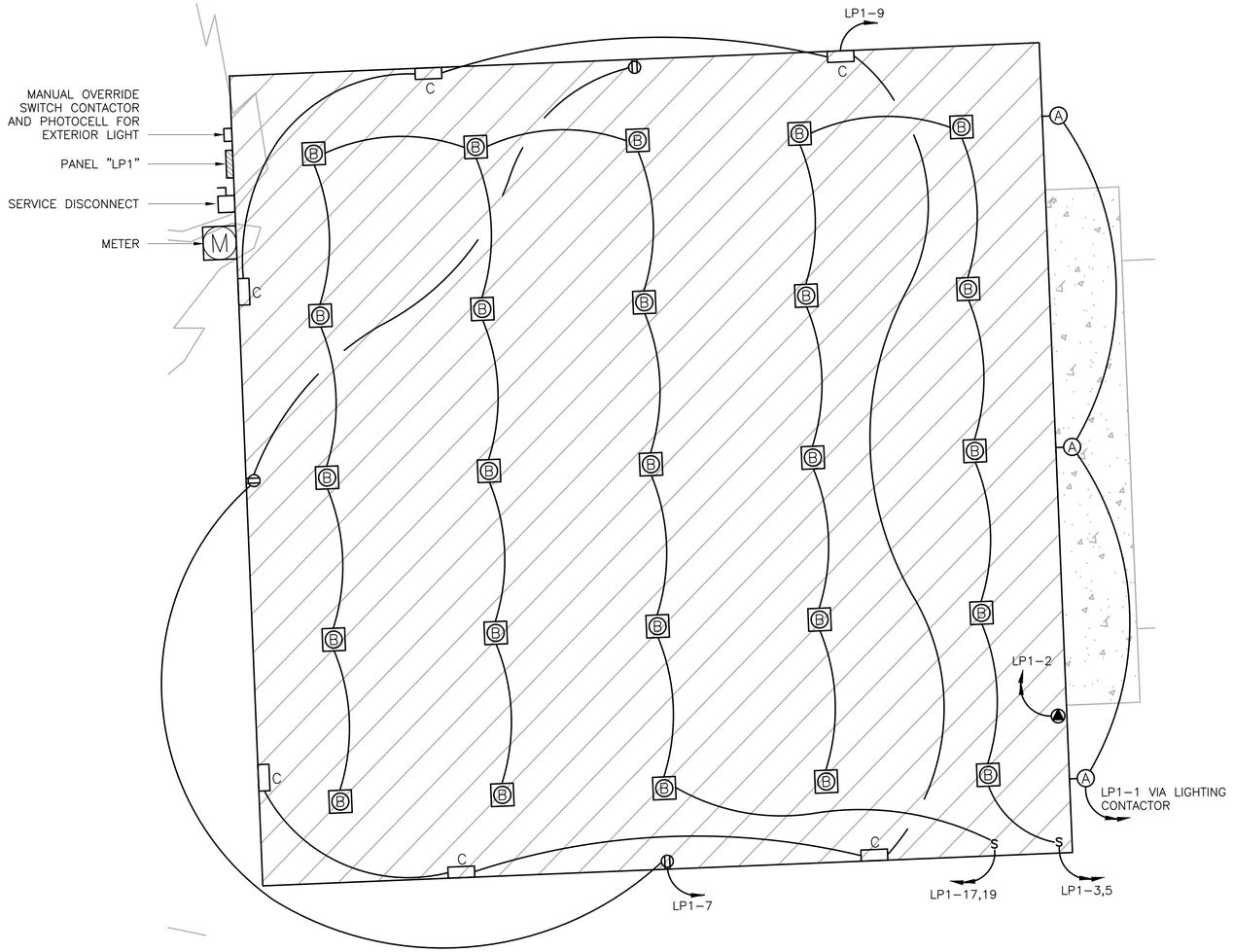
REVISIONS		
NO.	DATE	DESCRIPTION

ELECTRICAL SITE PLAN

DESIGNED BY:	DRAWN BY :
BB	CD
DATE: 03/24/2025	
SCALE: AS SHOWN	JOB NUMBER: MCE-248

E2

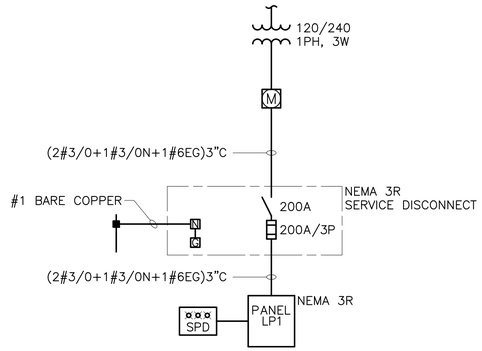
P:\PRODUCTION\PROJECTS\MCCLELLAND CONSULTING ENGINEERS (MCE)\MCE-248 BLYTHEVILLE BOX HANGAR\DWG\E02_SITE PLAN.DWG
4/3/2025 2:54 PM



1 **HANGAR LIGHTING AND POWER PLAN**
SCALE: 1" = 10'

10 5 0 10 20 30

SCALE: 1" = 10'



2 **ELECTRICAL ONE-LINE**
SCALE: NONE

TYPICAL PANEL NOTES:

1. ELECTRICAL CONTRACTOR SHALL COORDINATE NEW SERVICE INSTALLATION WITH ELECTRIC UTILITY CO. AND AIRPORT PERSONNEL.
2. EXTERIOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF.
3. PROVIDE PHOTOCELL FOR FLOODLIGHTS WITH MANUAL OVERRIDE SWITCH TO BE MOUNTED AS SHOWN ON SIDE OF CHANNEL FRAME. PHOTOCELL TO BE MOUNTED ABOVE ROOF LINE.
4. USE UNISTRUT STEEL FRAMING TO SUPPORT ELECTRICAL EQUIPMENT ON EXTERIOR OF HANGAR.
5. GROUND FAULT INTERRUPT (GFI) PROTECTION TO BE PROVIDED BY GFI BREAKERS IN THE BREAKER PANEL AND NOT ON THE RECEPTACLES.

ELECTRICAL CLASSIFICATION NOTES:

1. AREA OF HANGAR FROM FINISHED FLOOR TO A HEIGHT OF 18" ABOVE FINISHED FLOOR AND WITHIN 5' OF WING OR POWER PLANT IS CLASSIFIED AS A CLASS 1 DIVISION 2 AREA. ALL CONDUIT RUNS TO BE MOUNTED 1'-8" ABOVE FINISHED FLOOR. DOOR OPERATORS AND LIGHT SWITCHES TO BE MOUNTED 4'-2" ABOVE FINISHED FLOOR.

ELECTRICAL LEGEND:

S_M	COORDINATE TYPE AND SIZE OF CIRCUIT WITH APPROVED DOOR OPERATOR.
S	TOGGLE SWITCH, 20 AMPS AT 120 VOLTS, 3 WIRE
	DUPLEX RECEPTACLE, 20 AMPS AT 120 VOLTS, 3 WIRE, GFCI, MOUNT CLOSE TO STRUCTURE.
B	INTERIOR FIXTURES TO BE JADEMAR – JPHBS–CPS–240W–90–120D–WH (SET @ 200W – 5000K) (ROUND HIGHBAY)–JPHBS–CPS–PCR–16–200–310W (16" PC REFRACTOR FOR 200–310W) OR APPROVED EQUAL.
A	EXTERIOR FIXTURES, JADEMAR – JWP–NC–120W–PC–BZ (SET @ 100WATT – 5000K) (WALLPACK) OR APPROVED EQUAL.
4	SINGLE POLE CIRCUIT BREAKER NUMBER.
26/28	DOUBLE POLE CIRCUIT BREAKER.
C	EGRESS LIGHT, ISOLITE BUG–3W–WH–MB–SD

NOTE:
NO AIRCRAFT FUEL TANK OR POWER PLANT SHALL BE WITHIN 5' HORIZONTAL TO ANY WALL.

NEMA 3R

PANELBOARD SCHEDULE

PANEL:	LP1	VOLTS: 240/120 1PH, 3W			MAIN: 200A MCB			10,000 AIC	
DESCRIPTION	BKR	NO.	A	B	A	B	NO.	BKR	DESCRIPTION
EXTERIOR LIGHTING	20A/1P	1	0.117		3.360		2	60A/2P	HANGAR DOOR
INTERIOR LIGHTING	20A/2P	3		0.825		3.360	4	–	HANGAR DOOR
INTERIOR LIGHTING	–	5	0.825		0.000		6	40A/2P	SPARE
RECEPTS	20A/1P	7		0.540		0.000	8	–	SPARE
EGRESS LIGHT	20A/1P	9	0.500		0.000		10	20A/1P	SPARE
SPARE	20A/1P	11		0.000		0.000	12	20A/1P	SPARE
SPARE	20A/1P	13	0.000		0.000		14	20A/1P	SPARE
SPARE	20A/1P	15		0.000		0.000	16	20A/1P	SPARE
INTERIOR LIGHTING	20A/2P	17	0.825		0.000		18		
INTERIOR LIGHTING	–	19		0.825		0.000	20		
		21	0.000		0.000		22		
		23		0.000		0.000	24		
		25	0.000		0.000		26		
		27		0.000		0.000	28		
		29	0.000		0.000		30		
		31		0.000		0.000	32		
		33	0.000		0.000		34		
		35		0.000		0.000	36		
		37	0.000		0.000		38		
		39		0.000		0.000	40		
		41	0.000		0.000		42		
			2.267	2.190	3.360	3.360			
			5.627	5.550	TOTAL CONNECTED KVA				
			11.177						
			17.464		DESIGN KVA				
			73		DESIGN AMPS				

McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No.10206
BRUCE W. BROWN
04-23

ORIGINAL SIGNATURE ON FILE

BLYTHEVILLE MUNICIPAL AIRPORT (HKA)
TEXILANE AND BOX HANGAR CONSTRUCTION
BLYTHEVILLE, ARKANSAS

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

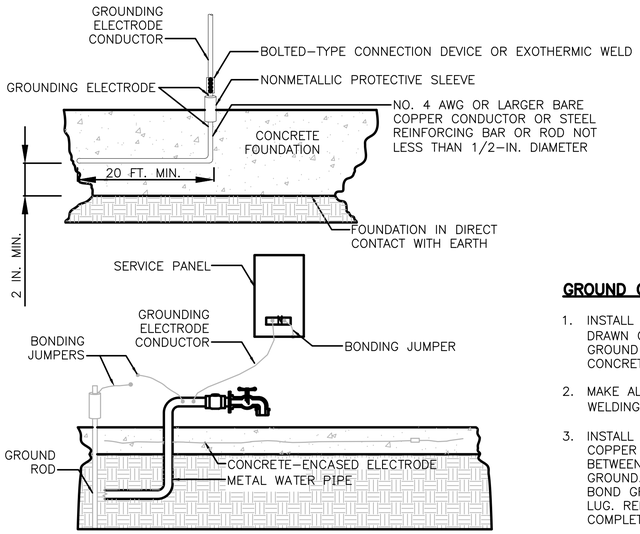
REVISIONS	NO.	DATE	DESCRIPTION

ELECTRICAL LIGHTING AND POWER PLAN

DESIGNED BY:	DRAWN BY :
BB	CD
DATE: 03/24/2025	
SCALE: AS SHOWN	JOB NUMBER: MCE-248

E3

P:\PRODUCTION\PROJECTS\MCCLELLAND CONSULTING ENGINEERS (MCE)\MCE-248 BLYTHEVILLE BOX HANGAR\DWG\E03_LIGHTING AND POWER PLAN.DWG
4/4/2025 9:32 AM



1 E4 **NEC 250 ELECTRICAL GROUNDING DETAILS**
SCALE: NTS

GROUND GRID NOTES:

1. INSTALL 1/0 AWG STANDED BARE SOFT DRAWN COPPER (BSDC) WIRE AND BOND GROUND TO REINFORCING STEEL BAR IN CONCRETE STRUCTURE FOOTING.
2. MAKE ALL CONNECTIONS USING EXOTHERMIC WELDING (CADWELD) PROCESS.
3. INSTALL 3/4" CONDUIT WITH (1)–#1/0 AWG COPPER GROUNDING ELECTRODE CONDUCTOR BETWEEN BUILDING STEEL COLUMN AND GROUND. REMOVE PAINT DOWN TO BARE AND BOND GROUND TO STEEL WITH MECHANICAL LUG. REPAINT AFTER INSTALLATION IS COMPLETE.

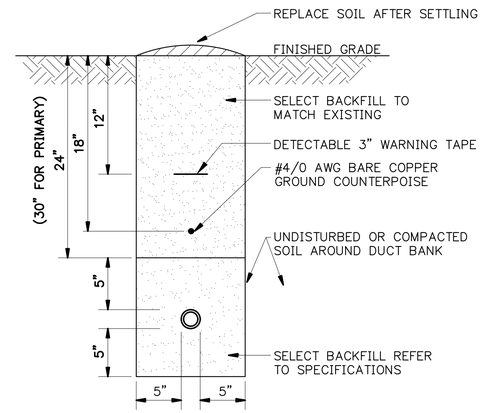
GENERAL ELECTRICAL NOTES:

1. ALL ELECTRICAL WORK SHALL COMPLY WITH NATIONAL ELECTRIC CODE.
2. ALL ELECTRIC WORK SHALL BE IN STRICT ACCORDANCE WITH MUNICIPAL AND STATE CODES, LAWS AND REGULATIONS, RULES OF NEC, OSHA, AND/OR OTHER AUTHORITIES THAT MAY HAVE JURISDICTION PERTAINING TO THE WORK.
3. ALL NECESSARY PERMIT, LICENSES, CERTIFICATES, TESTS, ETC. SHALL BE PROCURED AND PAID FOR BY THE CONTRACTOR.
4. IN CASES OF A DIFFERENCE BETWEEN THE MINIMUM REQUIREMENTS OF THE VARIOUS LAWS, CODES, AUTHORITIES, AND THE DOCUMENTS; THE WORK SHALL EXCEED THE LESSER REQUIREMENTS WHILE MEETING THE GREATER OR MORE STRINGENT REQUIREMENTS.
5. CONTRACTOR SHALL INDICATE ALL CHANGES FROM THE ORIGINAL PLANS MADE DURING THE INSTALLATION OF HIS WORK IN RED INK ON TWO BLUELINE PRINTS.
6. THE CONTRACTOR SHALL PROVIDE A TYPED PANEL BOARD DIRECTORY.
7. UPON COMPLETION OF HIS WORK, THE ELECTRICAL CONTRACTOR SHALL CLEAN ALL ELECTRICAL EQUIPMENT.
8. UPON COMPLETION OF THE WORK, ALL PARTS OF THE ELECTRICAL INSTALLATION SHALL BE TESTED AND PROVED TO BE FREE OF UNWANTED GROUNDS AND OTHER DEFECTS. FINAL TESTS SHALL BE ACCOMPLISHED BY USE OF A MEGGER.
9. ALL WIRING SHALL BE COPPER CONDUCTOR WITH TYPE THHN/THWN INSULATION.
10. MAKE ALL PENETRATIONS THROUGH WALLS AT 90 DEGREE ANGLES. SEAL ALL PENETRATIONS AT FIRE AND SMOKE PARTITIONS WITH FIRE SAFING MATERIAL. SEAL ALL PENETRATIONS AT SOUND WALLS WITH SOUND–PROOFING MATERIAL.
11. CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS FOR ACCURACY, AND CONFIRMING THAT THE WORK IS BUILDABLE AS SHOWN AND MEETS ALL APPLICABLE CODES BEFORE PROCEEDING WITH CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THESE OR OTHER COORDINATION ISSUES, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK.
12. ALL MATERIALS FURNISHED UNDER THIS CONTRACT SHALL BE NEW.
13. ALL WORK SHALL BE GUARANTEED AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF SUBSTANTIAL COMPLETION OR ACCEPTANCE OF THE WORK. THE CONTRACTOR SHALL REPAIR OR REPLACE, AT HIS OWN EXPENSE WHEN ORDERED TO DO SO, ALL WORK THAT MAY DEVELOP DEFECTS IN MATERIAL OR WORKMANSHIP WITHIN SAID PERIOD OF TIME. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED RECOMMENDATIONS FOR SERVICE INTENDED, AS INTERPRETED BY THE ENGINEER. THE INSTALLATION OF ALL EQUIPMENT SHALL BE MADE BY EXPERIENCED CRAFTSMAN IN A NEAT, WORKMANLIKE MANNER. ALL MATERIALS, TOOLS, COSTS, AND SERVICES NECESSARY TO COMPLETELY INSTALL ALL ELECTRICAL WORK SHALL BE PROVIDED BY THE CONTRACTOR.
14. IT IS THE INTENT AND MEANING OF THE CONTRACT DOCUMENTS THAT THE CONTRACTOR SHALL PROVIDE AN ELECTRICAL INSTALLATION THAT IS COMPLETE. ALL ITEMS AND APPURTENENCES NECESSARY, REASONABLY INCIDENTAL, OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN ON THE CONSTRUCTION DOCUMENTS SHALL BE PROVIDED.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGES, BREAKAGE, COLLAPSE, AND MISALIGNMENT ACCORDING TO APPLICABLE CODES, STANDARDS, AND GOOD CONSTRUCTION PRACTICES. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO PROTECT ALL EXISTING OPERATIONS AND PROPERTY ADJACENT WITH WHICH WORK COMES IN CONTACT, OR OVER OR UNDER WHICH HE MAY TRANSPORT, HOIST, OR MOVE MATERIALS, EQUIPMENT, DEBRIS, ETC., AND SHALL REPAIR SATISFACTORILY ALL DAMAGE CAUSED BY HIM DURING CONSTRUCTION.

GENERAL NOTES:

1. POWER MARKING TAPES SHALL BE DETECTABLE TYPE CONSTRUCTION WITH RED BACKGROUND AND BLACK LETTERING.
2. COMMUNICATION MARKING TAPES SHALL BE DETECTABLE TYPE CONSTRUCTION WITH ORANGE BACKGROUND AND BLACK LETTERING, "TELEPHONE LINE" OR "FIBER OPTIC LINE" RESPECTIVELY.
3. TAPE SHALL BE DETECTABLE, DURABLE, HIGHLY VISIBLE, RESISTANT TO ELEMENTS, MEETING AND/OR EXCEEDING ALL INDUSTRY STANDARDS.

2 **UNDERGROUND DETECTABLE WARNING TAPE**
SCALE: NONE



3 **TRENCH DETAIL**
SCALE: NONE

ELECTRICAL DUCT NOTES:

1. CONTRACTOR SHALL STAKE THE DUCT INSTALLATION IN PLAN AND ELEVATION FOR NEW ELECTRICAL DUCTS TO AVOID EXISTING UTILITIES.
2. CONTRACTOR SHALL ADJUST THE DEPTH OF THE ELECTRICAL DUCTS AS REQUIRED TO MAINTAIN THE MINIMUM COVER REQUIREMENT INDICATED AND AVOID EXISTING UTILITIES.
3. SIMILAR CONSTRUCTION FOR OTHER DUCT SIZES. SEE DUCT BANK SCHEDULE FOR QUANTITY AND SIZES.
4. INSTALL DUCT CONDUIT SUPPORTS AT 5'–0" O.C. MAXIMUM SPACING (TYPICAL ALL DUCTS).
5. OFFSETS AND BENDS OVER 10 DEGREES AND ELBOWS IN PVC CONDUIT RUNS SHALL BE GALVANIZED RIGID STEEL CONDUIT.
6. NO PVC SHALL EMERGE FROM THE GROUND OR CONCRETE SLAB OR ENCASEMENT, PVC SHALL CONVERT TO GALVANIZED RIGID STEEL CONDUIT PRIOR TO ITS EMERGENCE.
7. INSTALL GROUND RODS AT ENDS OF ELECTRICAL DUCT OR CONNECT TO GROUND RING.
8. INSTALL CONDUCTORS AND CABLES AS NOTED ON DRAWING. INSTALL PULLWIRE IN ALL SPARE DUCTS.
9. MINIMUM COVER REQUIREMENT FOR DUCT BANKS UNDER ROADS, DRIVEWAYS AND PARKING LOTS SHALL BE 24".
10. MINIMUM COVER REQUIREMENTS FOR ELECTRICAL SECONDARY SERVICE DUCT BANKS SHALL BE 30".
11. MINIMUM COVER REQUIREMENTS FOR ELECTRICAL PRIMARY SERVICE DUCT BANKS SHALL BE 36".

McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No.10206
BRUCE W. BROWN
04.2.25

ORIGINAL SIGNATURE ON FILE

BLYTHEVILLE MUNICIPAL AIRPORT (HKA)
TEXILANE AND BOX HANGAR CONSTRUCTION
BLYTHEVILLE, ARKANSAS

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

REVISIONS		
NO.	DATE	DESCRIPTION

ELECTRICAL DETAILS

DESIGNED BY: BB	DRAWN BY : CD
DATE: 03/24/2025	
SCALE: AS SHOWN	JOB NUMBER: MCE-248

E4