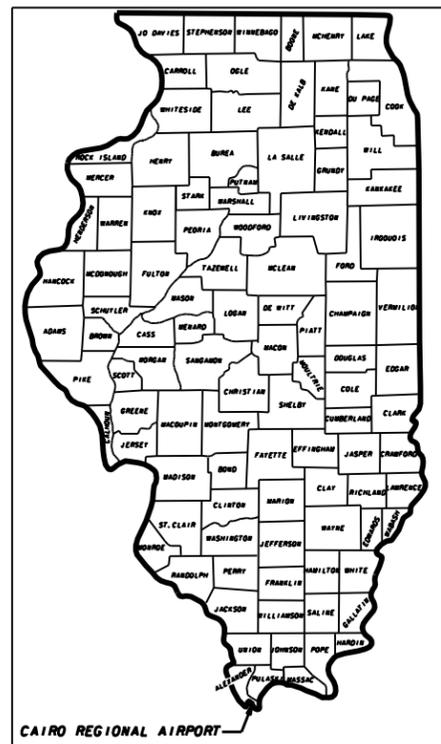


CAIRO REGIONAL AIRPORT

CAIRO - ALEXANDER COUNTY, ILLINOIS

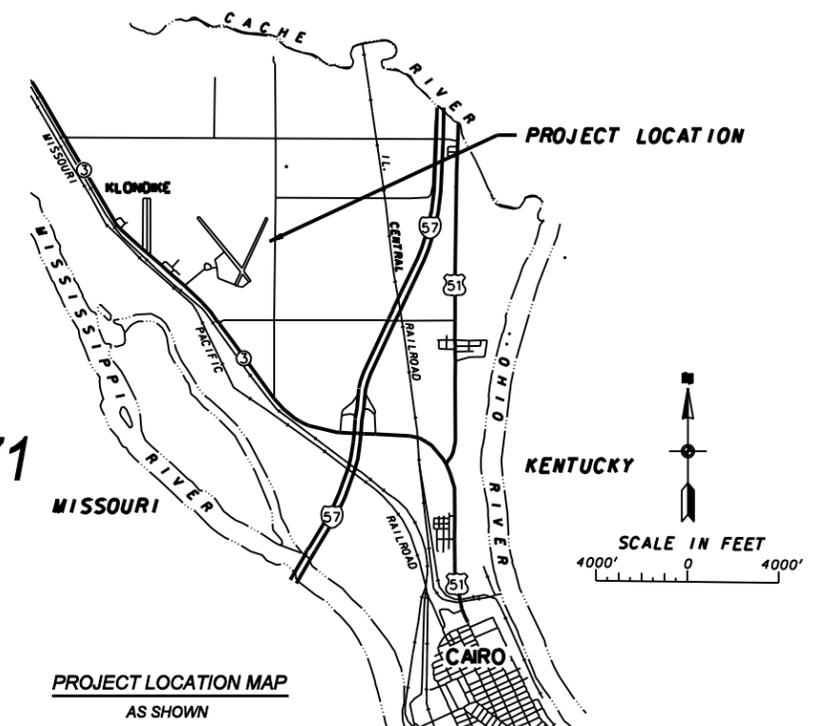
AIRPORT TYPE: BASIC UTILITY

INSTALL PERIMETER FENCE - PHASE 4: NORTH AND WEST PERIMETER



ILLINOIS PROJECT NO. CIR-4788
 S.B.G. PROJECT NO. 3-17-SBGP-144/156/162/171

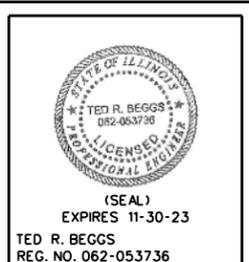
LATITUDE 37°03'52"
 LONGITUDE 89°13'04"
 ELEVATION 321 MSL

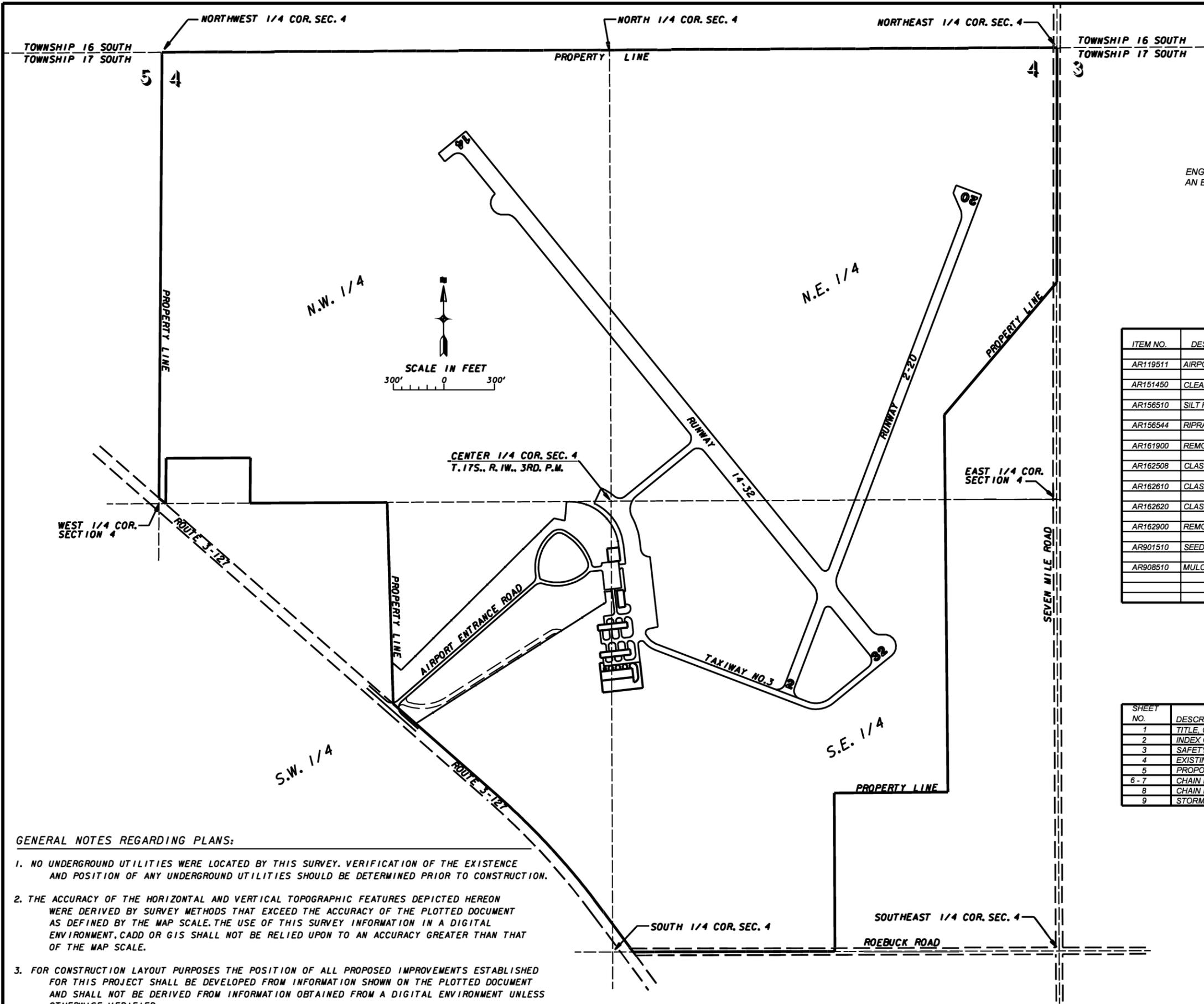


J.T.B. NO. E-10355
 DATE OF PLANS: MARCH 4, 2022

ALEXANDER COUNTY AIRPORT AUTHORITY	
APPROVED <i>[Signature]</i>	CHAIRMAN
DATE <i>March 24</i>	2022
APPROVED <i>[Signature]</i>	SECRETARY
DATE <i>March 24</i>	2022

PREPARED BY J.T. BLANKSHIP, INC.	
CONSULTING ENGINEERS MURPHYSBORO, ILLINOIS	
APPROVED <i>[Signature]</i>	
DATE <i>March 24</i>	2022





GENERAL NOTES

ENGINEER'S FIELD OFFICE
AN ENGINEER'S FIELD OFFICE WILL NOT BE REQUIRED FOR THIS PROJECT

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR119511	AIRPORT OBSTRUCTION LIGHT - SINGLE	EACH	2	
AR151450	CLEARING AND GRUBBING	ACRE	13.2	
AR156510	SILT FENCE	FOOT	2,400	
AR156544	RIPRAP - GRADATION NO.4	SQ YD	100	
AR161900	REMOVE CLASS C FENCE	FOOT	4,104	
AR162508	CLASS E FENCE 8'	FOOT	7,239	
AR162610	CLASS E GATE - 10'	EACH	4	
AR162620	CLASS E GATE - 20'	EACH	1	
AR162900	REMOVE CLASS E FENCE	FOOT	356	
AR901510	SEEDING	ACRE	13.2	
AR908510	MULCHING	ACRE	13.2	

INDEX OF SHEETS

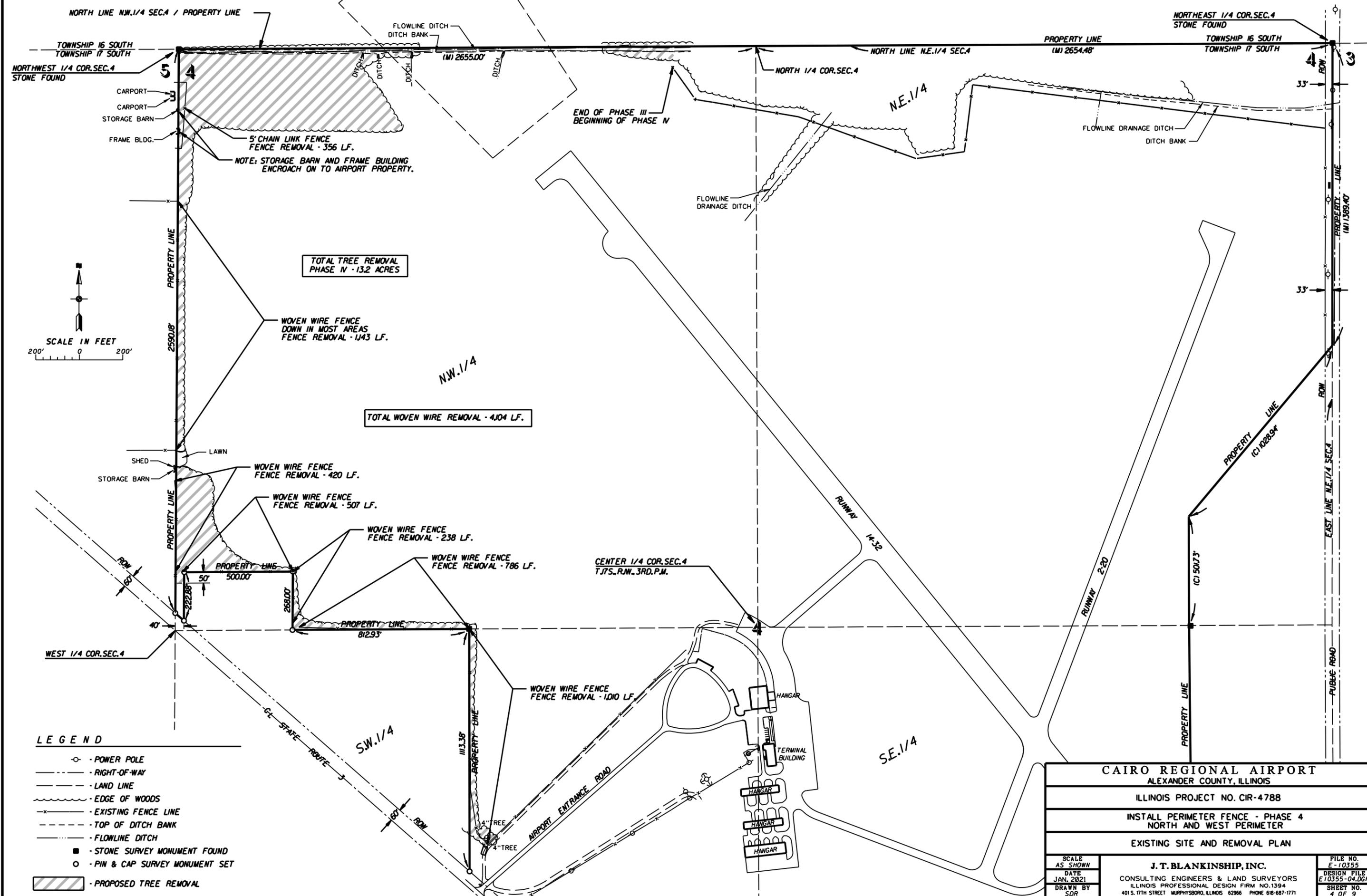
SHEET NO.	DESCRIPTION
1	TITLE, COVER & SIGNATURE SHEET AND PROJECT LOCATION MAP
2	INDEX OF SHEETS, SUMMARY OF QUANTITIES, GENERAL NOTES AND SITE LOCATION MAP
3	SAFETY PLAN
4	EXISTING SITE AND REMOVAL PLAN
5	PROPOSED FENCING PLAN
6 - 7	CHAIN LINK FENCE DETAILS
8	CHAIN LINK FENCE DETAILS AND DETAIL FOR OBSTRUCTION LIGHT ON FENCE
9	STORMWATER POLLUTION PREVENTION PLAN

GENERAL NOTES REGARDING PLANS:

1. NO UNDERGROUND UTILITIES WERE LOCATED BY THIS SURVEY. VERIFICATION OF THE EXISTENCE AND POSITION OF ANY UNDERGROUND UTILITIES SHOULD BE DETERMINED PRIOR TO CONSTRUCTION.
2. THE ACCURACY OF THE HORIZONTAL AND VERTICAL TOPOGRAPHIC FEATURES DEPICTED HEREON WERE DERIVED BY SURVEY METHODS THAT EXCEED THE ACCURACY OF THE PLOTTED DOCUMENT AS DEFINED BY THE MAP SCALE. THE USE OF THIS SURVEY INFORMATION IN A DIGITAL ENVIRONMENT, CADD OR GIS SHALL NOT BE RELIED UPON TO AN ACCURACY GREATER THAN THAT OF THE MAP SCALE.
3. FOR CONSTRUCTION LAYOUT PURPOSES THE POSITION OF ALL PROPOSED IMPROVEMENTS ESTABLISHED FOR THIS PROJECT SHALL BE DEVELOPED FROM INFORMATION SHOWN ON THE PLOTTED DOCUMENT AND SHALL NOT BE DERIVED FROM INFORMATION OBTAINED FROM A DIGITAL ENVIRONMENT UNLESS OTHERWISE VERIFIED.
4. HORIZONTAL DATUM IS ILLINOIS STATE PLAN WEST ZONE (NAD83)
5. VERTICAL DATUM IS CAIRO AIRPORT DATUM - (INGVD29)

SITE LOCATION MAP

CAIRO REGIONAL AIRPORT ALEXANDER COUNTY, ILLINOIS		
ILLINOIS PROJECT NO. CIR-4788		
INSTALL PERIMETER FENCE - PHASE 4 NORTH AND WEST PERIMETER		
INDEX OF SHEETS, SUMMARY OF QUANTITIES, GENERAL NOTES AND SITE LOCATION MAP		
SCALE AS SHOWN	J. T. BLANKINSHIP, INC. CONSULTING ENGINEERS & LAND SURVEYORS ILLINOIS PROFESSIONAL DESIGN FIRM NO. 1394 401 S. 17TH STREET MURPHYSBORO, ILLINOIS 62966 PHONE 618-687-1771	FILE NO. E-10355
DATE JAN, 2021		DESIGN FILE E/10355-02.DGN
DRAWN BY SDR		SHEET NO. 2 OF 9

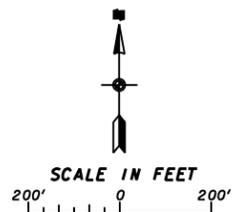


TOWNSHIP 16 SOUTH
TOWNSHIP 17 SOUTH

NORTHWEST 1/4 COR. SEC. 4
STONE FOUND

NORTHEAST 1/4 COR. SEC. 4
STONE FOUND

TOWNSHIP 16 SOUTH
TOWNSHIP 17 SOUTH

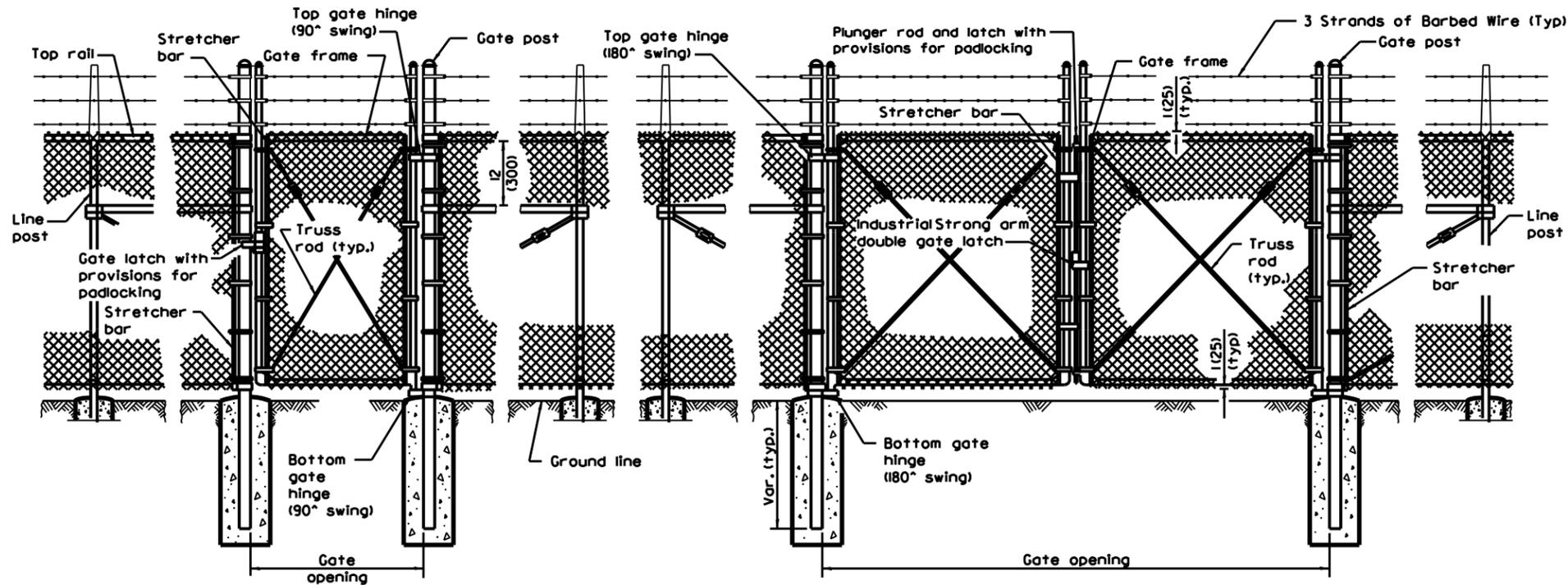


TOTAL TREE REMOVAL
PHASE IV - 13.2 ACRES

TOTAL WOVEN WIRE REMOVAL - 4,104 LF.

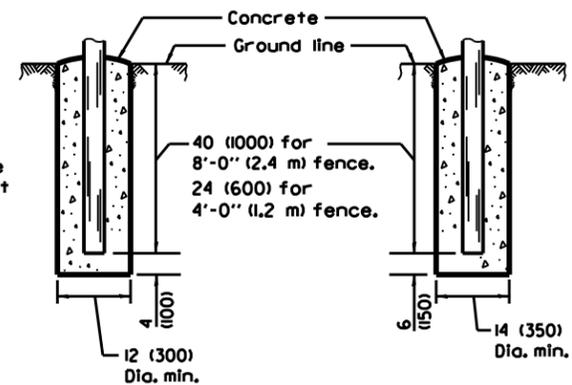
- LEGEND**
- - POWER POLE
 - - RIGHT-OF-WAY
 - - LAND LINE
 - ~~~~~ - EDGE OF WOODS
 - x-x- - EXISTING FENCE LINE
 - - - - - TOP OF DITCH BANK
 - ~~~~~ - FLOWLINE DITCH
 - - STONE SURVEY MONUMENT FOUND
 - - PIN & CAP SURVEY MONUMENT SET
 - ▨ - PROPOSED TREE REMOVAL

CAIRO REGIONAL AIRPORT ALEXANDER COUNTY, ILLINOIS		
ILLINOIS PROJECT NO. CIR-4788		
INSTALL PERIMETER FENCE - PHASE 4 NORTH AND WEST PERIMETER		
EXISTING SITE AND REMOVAL PLAN		
SCALE AS SHOWN	J. T. BLANKINSHIP, INC. CONSULTING ENGINEERS & LAND SURVEYORS ILLINOIS PROFESSIONAL DESIGN FIRM NO. 1394 401 S. 17TH STREET MURPHYSBORO, ILLINOIS 62666 PHONE 618-687-1771	FILE NO. E-10355
DATE JAN. 2021		DESIGN FILE E10355-04.DGN
DRAWN BY SDR		SHEET NO. 4 OF 9



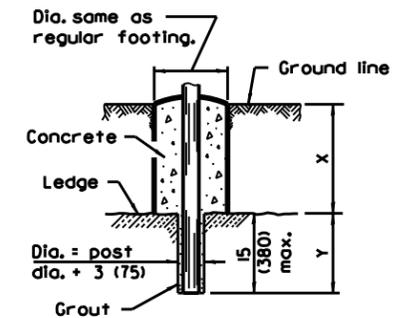
PEDESTRIAN GATE ARRANGEMENT

VEHICLE GATE ARRANGEMENT

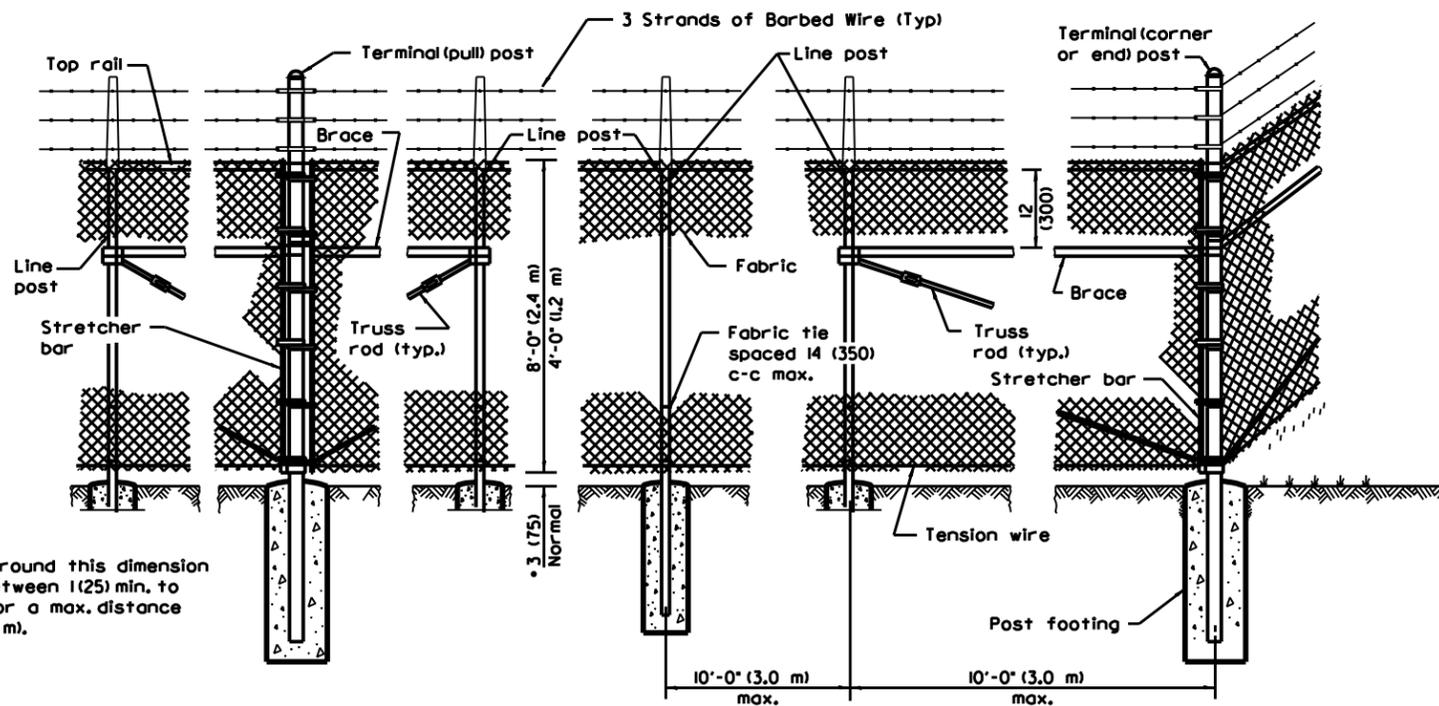


FOOTING FOR LINE POST

FOOTING FOR GATE & TERMINAL POST



FOOTING FOR POST IN ROCK LEDGE



• On uneven ground this dimension may vary between 1(25) min. to 5 (125) max. for a max. distance of 8'-0" (2.4 m).

PULL POST ARRANGEMENT

LINE POST ARRANGEMENT

CORNER OR END POST ARRANGEMENT

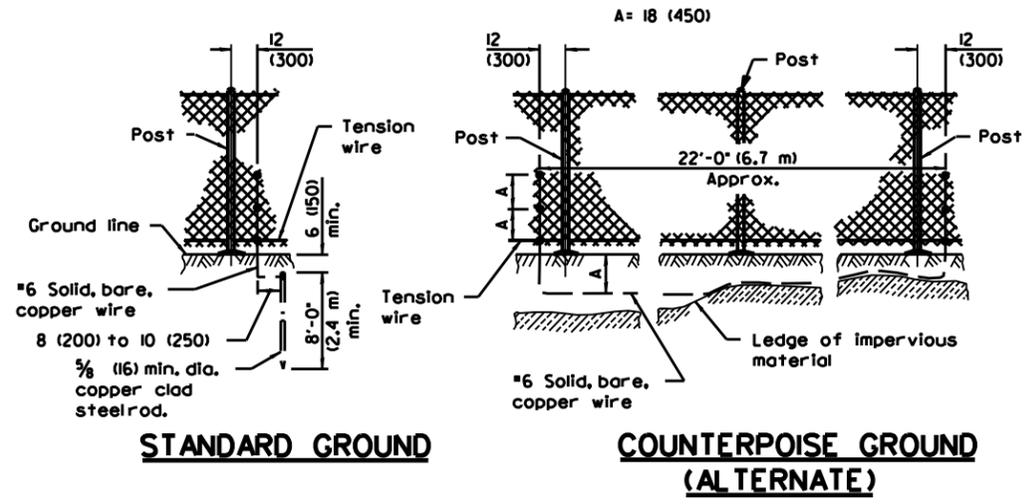
GENERAL NOTES

Pullposts shall be placed at locations determined by the Engineer. They shall be placed at 660' (200 m) intervals between posts to which the ends of the fabric are clamped or midway between such posts when the distance is less than 1320' (400 m) and greater than 660' (200 m).

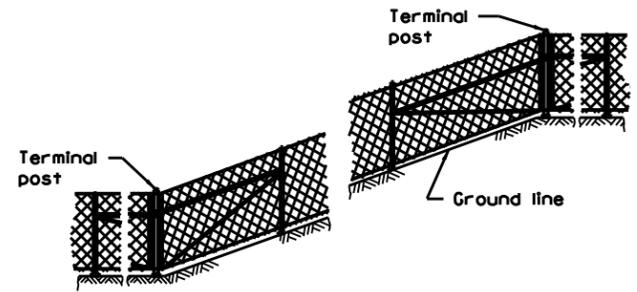
X + Y shall not exceed 24 (600), 30 (750), or 36 (900), as applicable. When X is 0 - 9 (0 - 225), 15 (380), or 21 (525), then Y = 15 (375) and the post shall be shortened as required. When X exceeds 9 (225), 15 (380), or 21 (525), then Y shall be decreased correspondingly.

All dimensions are in inches (millimeters) unless otherwise shown.

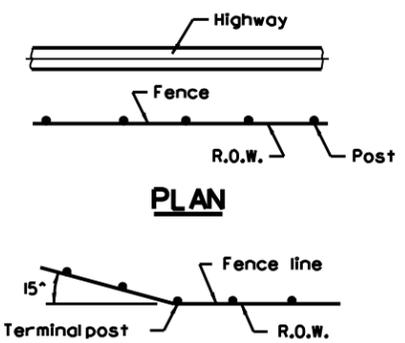
CAIRO REGIONAL AIRPORT ALEXANDER COUNTY, ILLINOIS		
ILLINOIS PROJECT NO. CIR-4788		
INSTALL PERIMETER FENCE - PHASE 4 NORTH AND WEST PERIMETER		
CHAIN LINK FENCE DETAILS		
SCALE AS SHOWN	J. T. BLANKINSHIP, INC. CONSULTING ENGINEERS & LAND SURVEYORS ILLINOIS PROFESSIONAL DESIGN FIRM NO.1394 401 S. 17TH STREET MURPHYSBORO, ILLINOIS 62966 PHONE 618-687-1771	FILE NO. E-10355
DATE JAN. 2021		DESIGN FILE E10355-06.DGN
DRAWN BY SDR		SHEET NO. 6 OF 9



PROTECTIVE ELECTRICAL GROUNDS



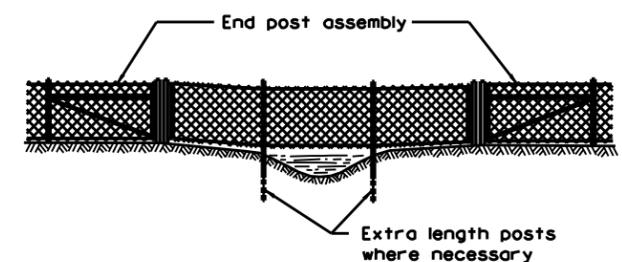
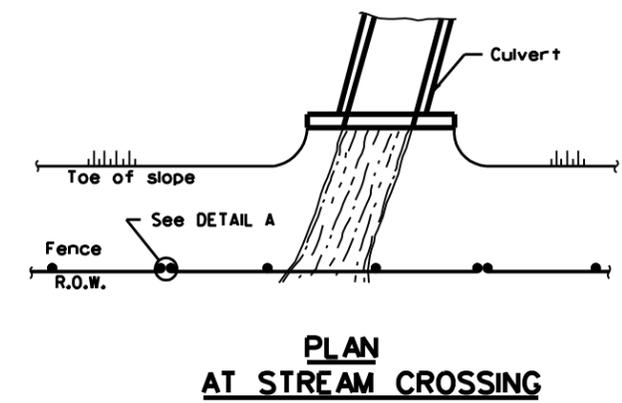
INSTALLATION ON SLOPES



When fence line has a change in direction of 15° or more, a terminal post shall be placed as shown above.

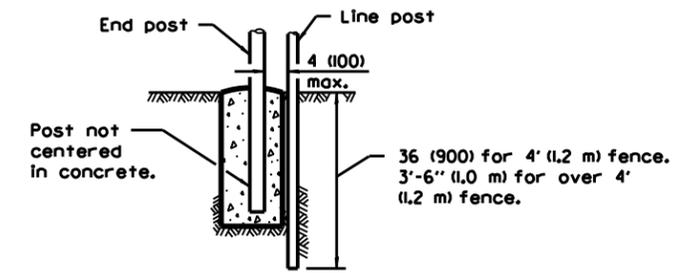
Where angle is less than 15° and existing conditions require a terminal post, they shall be placed as directed by the Engineer.

INSTALLATION AT CORNERS

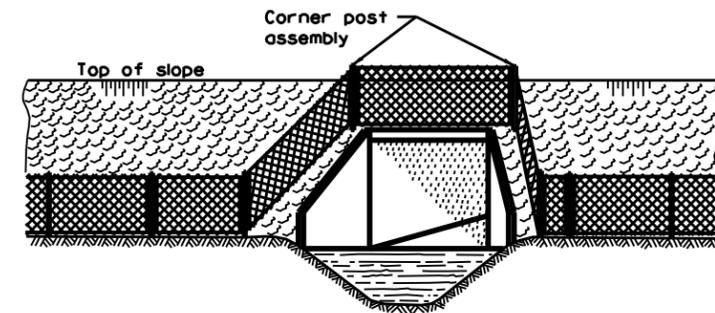
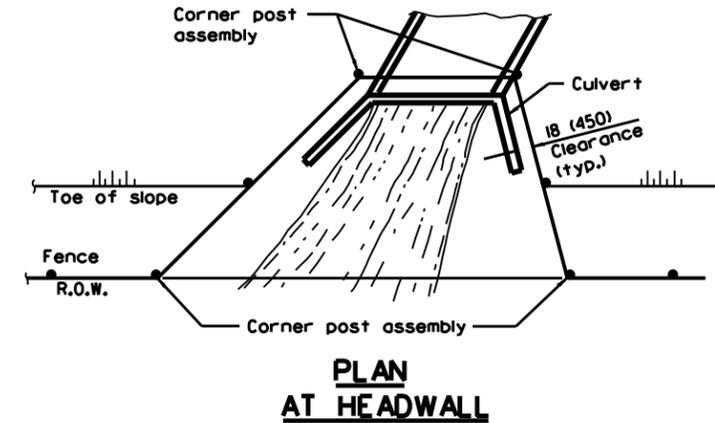


The chain link fabric shall be replaced by barbed wire strands at 12 (300) maximum centers between the double posts shown on DETAIL A when shown on the plans.

ELEVATION INSTALLATION OVER STREAM



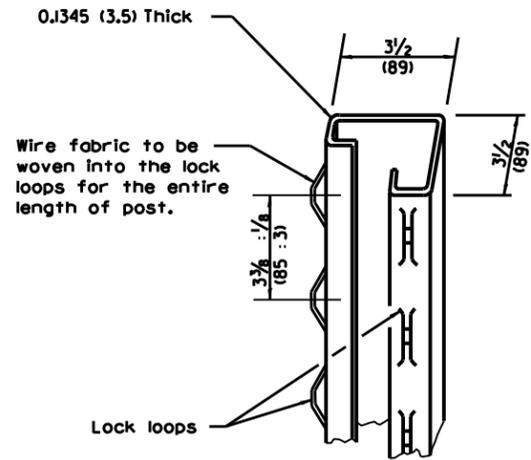
DETAIL A



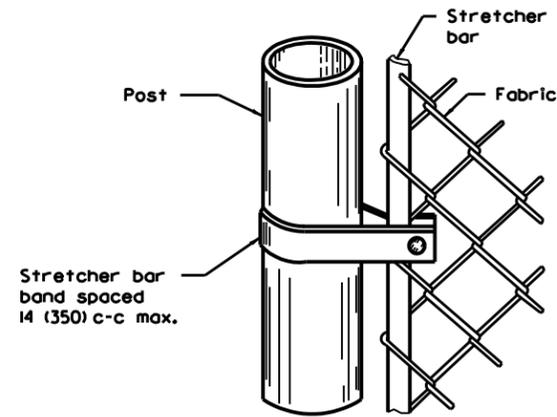
When the width of the culvert makes it necessary to anchor a post to the top of the culvert, a cast iron shoe or other device approved by the Engineer shall be used.

ELEVATION INSTALLATION AROUND HEADWALL

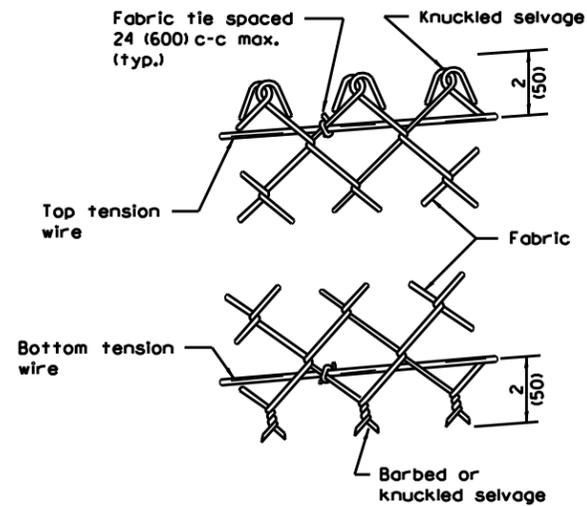
CAIRO REGIONAL AIRPORT ALEXANDER COUNTY, ILLINOIS		
ILLINOIS PROJECT NO. CIR-4788		
INSTALL PERIMETER FENCE - PHASE 4 NORTH AND WEST PERIMETER		
CHAIN LINK FENCE DETAILS		
SCALE AS SHOWN	J. T. BLANKINSHIP, INC. CONSULTING ENGINEERS & LAND SURVEYORS ILLINOIS PROFESSIONAL DESIGN FIRM NO. 1394 401 S. 17TH STREET MURPHYSBORO, ILLINOIS 62966 PHONE 618-687-1771	FILE NO. E-10355
DATE JAN. 2021		DESIGN FILE E10355-07.DGN
DRAWN BY SDR		SHEET NO. 7 OF 9



**ROLL FORMED SECTION OF
TERMINAL & GATE POST**



**METHOD OF FASTENING
STRETCHER BAR TO POST**



**METHOD OF TYING
FABRIC TO TENSION WIRES**

GATE POSTS			
Gate Opening (FT)		O.D. (IN)	lbs./ft.
Single	Double		
Up to 6	Up to 12	2.875	5.79
Over 6 to 12	Over 12 to 24	4.0	9.11
Over 12 to 18	Over 24 to 36	6.625	18.97
Over 18 to 24	Over 36 to 48	8.625	28.58

NOTE: Only round posts shall be used

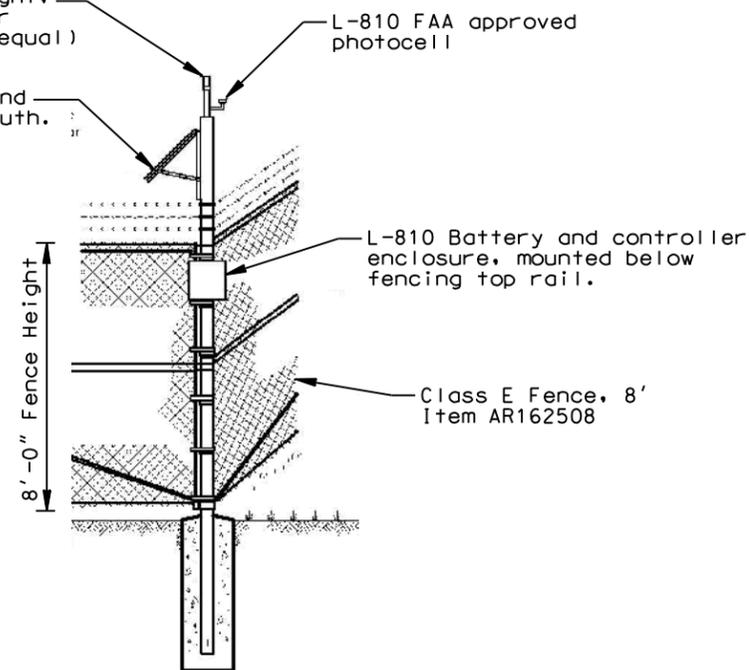
4' AND 8' FENCE POST AND BRACE TABLE		
DESCRIPTION	O.D. (IN)	lbs./ft.
LINE POST	2.875	5.79
TERMINAL POST	4.0	9.11
END POST	4.0	9.11
CORNER POST	4.0	9.11
PULL POST	4.0	9.11
TOP RAIL	1.66	1.82

L-810 LED solar powered obstruction light, as part of ADB Airfield Solutions Solar Obstruction Light System (or approved equal)

L-810 Solar Module mounted above top strand of barbed wire with solar panel facing south.

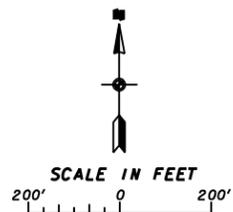
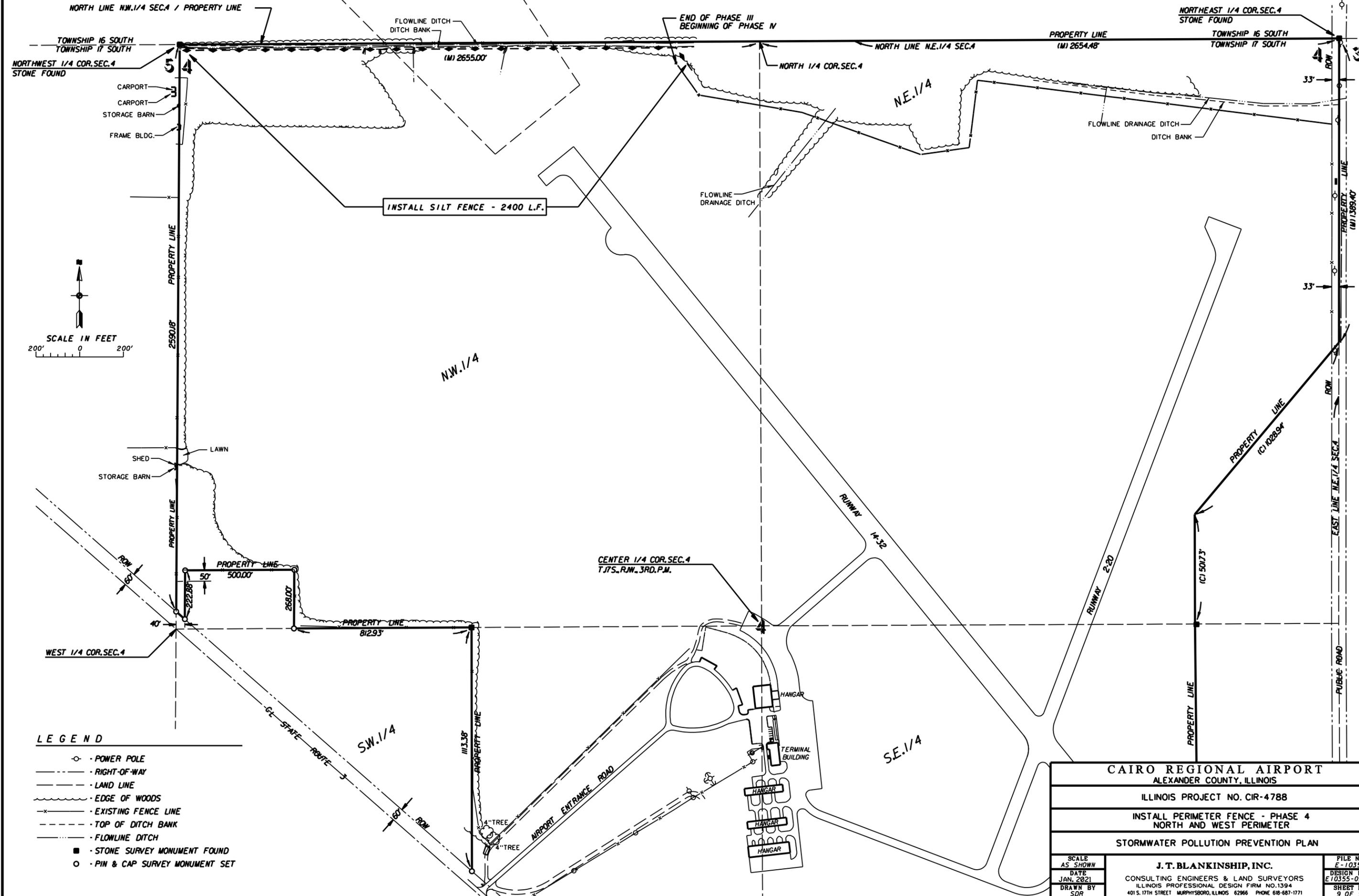
NOTES:

1. L-810 LED Solar Powered Obstruction Light, to be installed in location as indicated on the Plans.
2. L-810 Obstruction Light to be a Solar Obstruction Light System (SOLS) as manufactured by ADB Airfield Solutions or approved equal.
3. All components of the solar powered obstruction light including solar panel(s), enclosure, light fixtures, photocell assembly, fittings, fasteners, grounding equipment and mounting hardware are considered included with Item AR119511 - Airport Obstruction Light - Single.



**DETAIL FOR OBSTRUCTION LIGHT ON FENCE
NOT TO SCALE**

CAIRO REGIONAL AIRPORT ALEXANDER COUNTY, ILLINOIS		
ILLINOIS PROJECT NO. CIR-		
INSTALL PERIMETER FENCE - PHASE 4 NORTH AND WEST PERIMETER		
CHAIN LINK FENCE DETAILS AND DETAIL FOR OBSTRUCTION LIGHT ON FENCE		
SCALE AS SHOWN	J. T. BLANKINSHIP, INC. CONSULTING ENGINEERS & LAND SURVEYORS ILLINOIS PROFESSIONAL DESIGN FIRM NO.1394 401 S. 17TH STREET MURPHYSBORO, ILLINOIS 62966 PHONE 618-687-1771	FILE NO. E-10355
DATE JAN. 2021		DESIGN FILE E10355-08.DGN
DRAWN BY SDR		SHEET NO. 8 OF 9



- LEGEND**
- - POWER POLE
 - - RIGHT-OF-WAY
 - - LAND LINE
 - ~~~~~ - EDGE OF WOODS
 - x-x- - EXISTING FENCE LINE
 - - - - - TOP OF DITCH BANK
 - - FLOWLINE DITCH
 - - STONE SURVEY MONUMENT FOUND
 - - PIN & CAP SURVEY MONUMENT SET

CAIRO REGIONAL AIRPORT ALEXANDER COUNTY, ILLINOIS		
ILLINOIS PROJECT NO. CIR-4788		
INSTALL PERIMETER FENCE - PHASE 4 NORTH AND WEST PERIMETER		
STORMWATER POLLUTION PREVENTION PLAN		
SCALE AS SHOWN	J. T. BLANKINSHIP, INC. CONSULTING ENGINEERS & LAND SURVEYORS ILLINOIS PROFESSIONAL DESIGN FIRM NO.1394 401 S. 17TH STREET MURPHYSBORO, ILLINOIS 62966 PHONE 618-687-1771	FILE NO. E-10355
DATE JAN. 2021		DESIGN FILE E10355-09.DGN
DRAWN BY SDR		SHEET NO. 9 OF 9