

CONSTRUCTION PLANS

WILDLIFE MITIGATION MEASURES PER
FAR PART 139 REQUIREMENTS

QUINCY REGIONAL AIRPORT - BALDWIN FIELD
QUINCY, ADAMS COUNTY, ILLINOIS

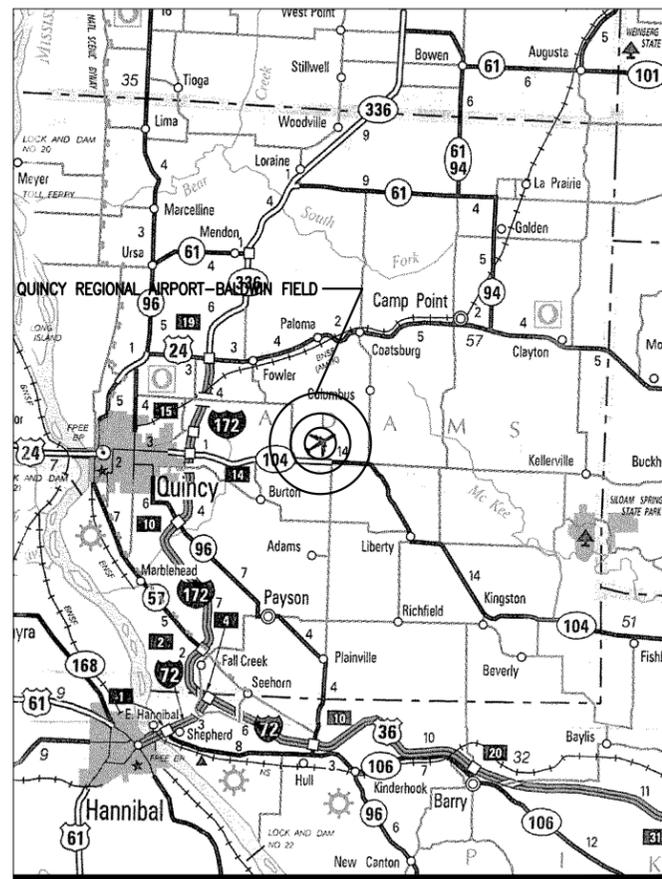
IDA PROJECT NO. UIN-4486
AIP PROJECT NO. 3-17-0085-XXX

SCOPE OF WORK

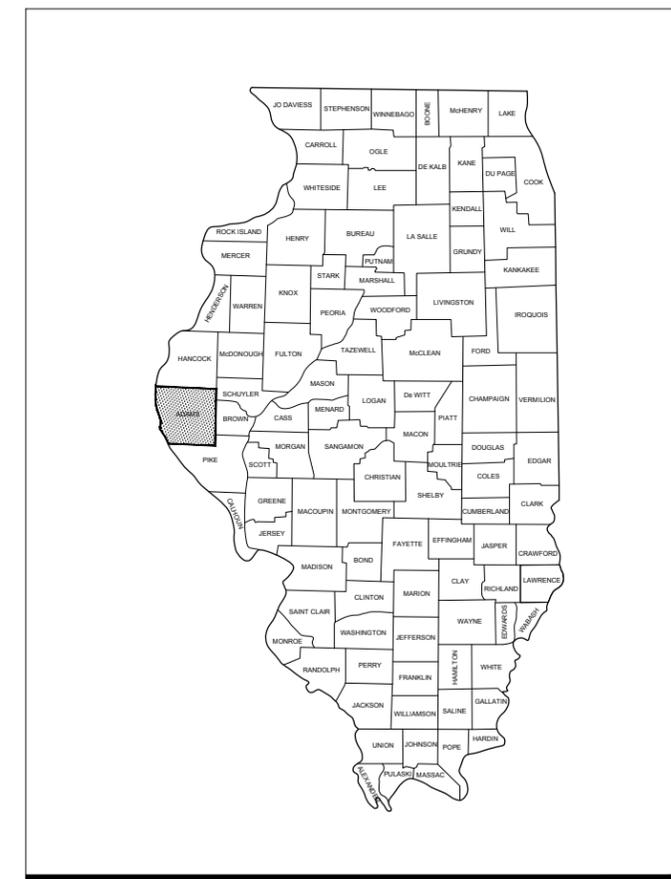
THIS PROJECT CONSISTS OF INSTALLING FENCE SKIRTING AROUND THE PERIMETER FENCE, AND OTHER MEANS OF WILDLIFE DETERRENTS.

NOTICE TO CONTRACTORS AND BIDDERS

THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.



VICINITY MAP



LOCATION MAP

No.	Issue/Description	Sheets Changed	Date	By

FILENAME:LONG

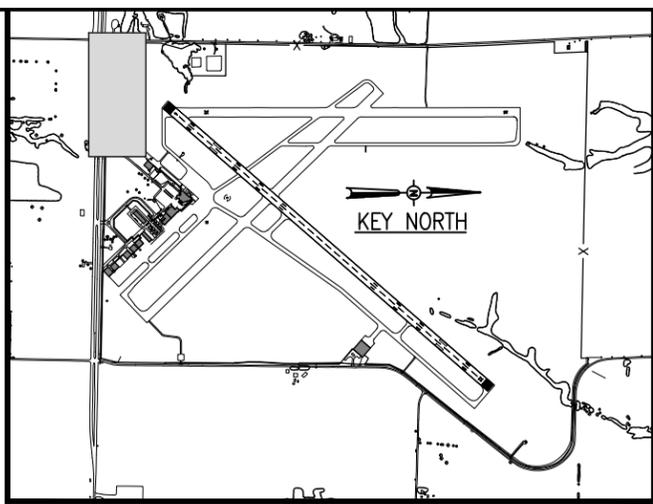
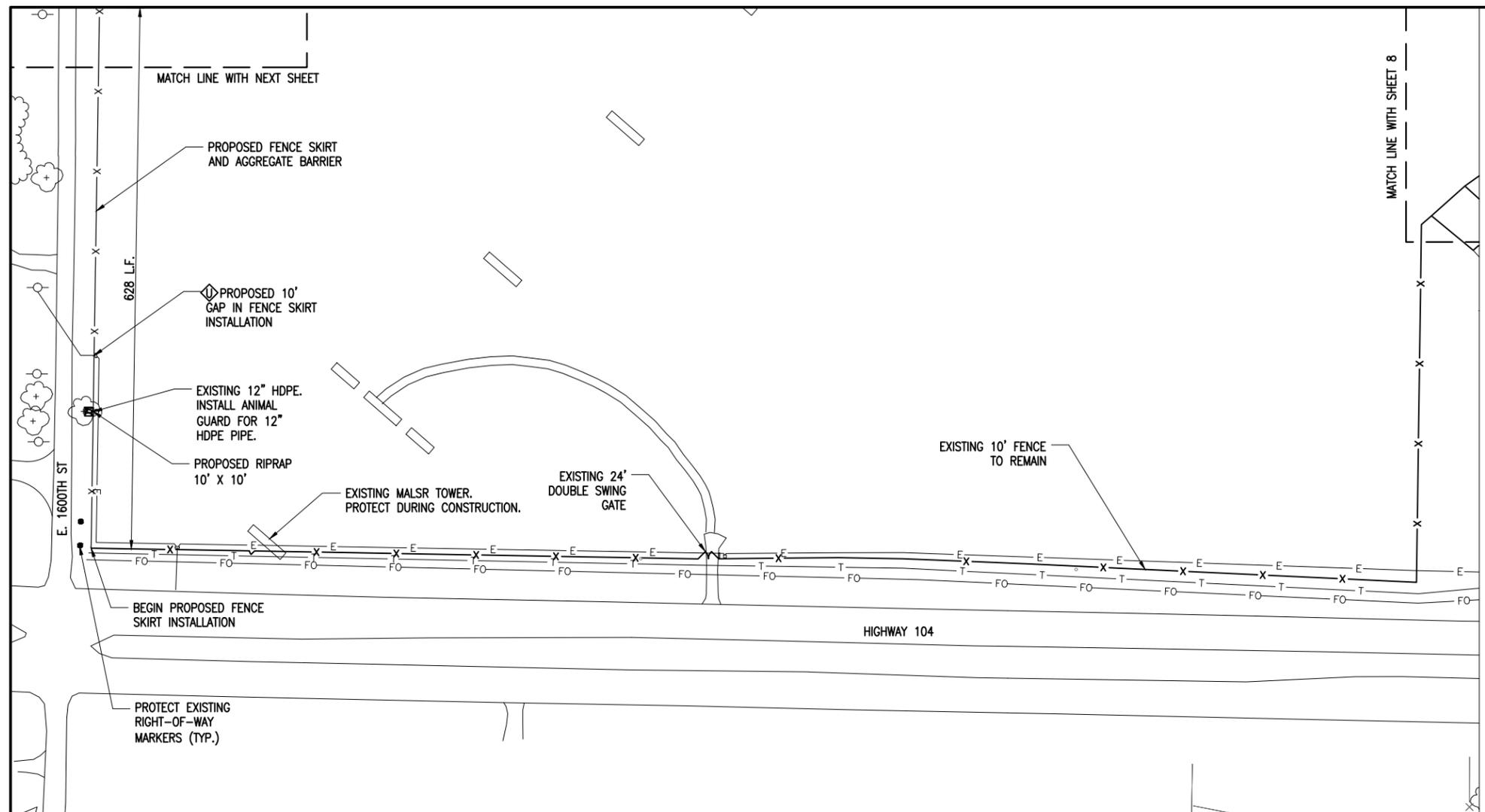
Barry S. Stolz P.E.
 Project Engineer

HANSON
 HANSON PROFESSIONAL SERVICES INC.
 1525 South Sixth Street
 Springfield, Illinois 62703-2886
 Telephone: 217-788-2450

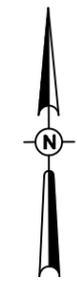
QUINCY REGIONAL AIRPORT
 BALDWIN FIELD
 Quincy, Adams County, Illinois

Date

JUN 24, 2016 2:52 PM STOLZ01547
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KEY MAP



0' 40' 80' 160'
 HALF SIZE SCALE: 1" = 160'
 FULL SIZE SCALE: 1" = 80'

LEGEND

- EXISTING PAVEMENT
- EXISTING BUILDING
- WOODED AREA
- EXISTING FENCE
- EXISTING ELECTRIC SERVICE
- EXISTING FIBER OPTIC SERVICE
- EXISTING TELEPHONE SERVICE
- EXISTING WATER SERVICE
- EXISTING GAS SERVICE
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- PROPOSED RIP-RAP
- EXISTING UTILITY CROSSING AT FENCELINE

ANIMAL GUARD NOTES

1. PIPE SHALL BE EQUIPPED WITH AN ANIMAL GUARD TO PREVENT ANIMAL ENTRY ONTO AIRPORT PROPERTY, WHILE STILL ALLOWING NORMAL WATER FLOW OUT OF PIPE.
2. CONTRACTOR SHALL FIELD VERIFY PIPE CONDITIONS AND DIMENSIONS PRIOR TO ORDERING MATERIAL.
3. INSTALL ANIMAL GUARD AS RECOMMENDED BY MANUFACTURER'S WRITTEN INSTRUCTIONS. INSTALLATION SHALL FIT PIPE PROPERLY WITH MINIMAL TO NO GAPS TO ALLOW ANIMAL ENTRY.
4. THE CONTRACTOR MAY USE THE FOLLOWING PRODUCTS OR APPROVED EQUAL:
 AGRI DRAIN CORPORATION "12-INCH RAT GUARD, STAINLESS STEEL"
 TIMEWELL DRAINAGE PRODUCTS "12-INCH ANIMAL GUARD"
5. THE ANIMAL GUARD AND ASSOCIATED ITEMS WILL BE PAID FOR UNDER ITEM AR800521 ANIMAL GUARD FOR 12" HDPE PIPE__PER EACH.



Offices Nationwide
 www.hanson-inc.com
 Hanson Professional Services Inc.
 1525 S. 6th Street
 Springfield, IL 62703
 phone: 217-788-2450

Illinois Licensed
 Professional Service Corporation
 #184-001084

Quincy Regional Airport
 Baldwin Field
 Quincy, Adams County, Illinois



Wildlife Mitigation
 Measures per FAR Part
 139 Requirements

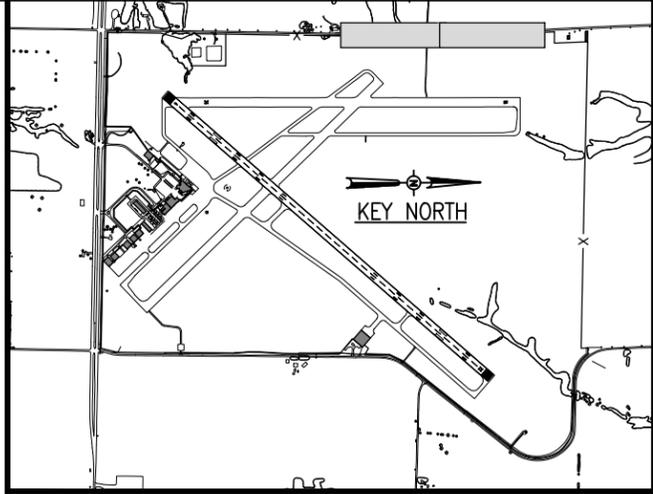
IDA No: UIN-4486
 Contract No. QI 062

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 23, 2016
 PROJECT NO: 15A0119D
 CAD FILE: C-123-CON.DWG
 DESIGN BY: CWS 05/12/2016
 DRAWN BY: CWS 05/12/2016
 REVIEWED BY: BSS

SHEET TITLE

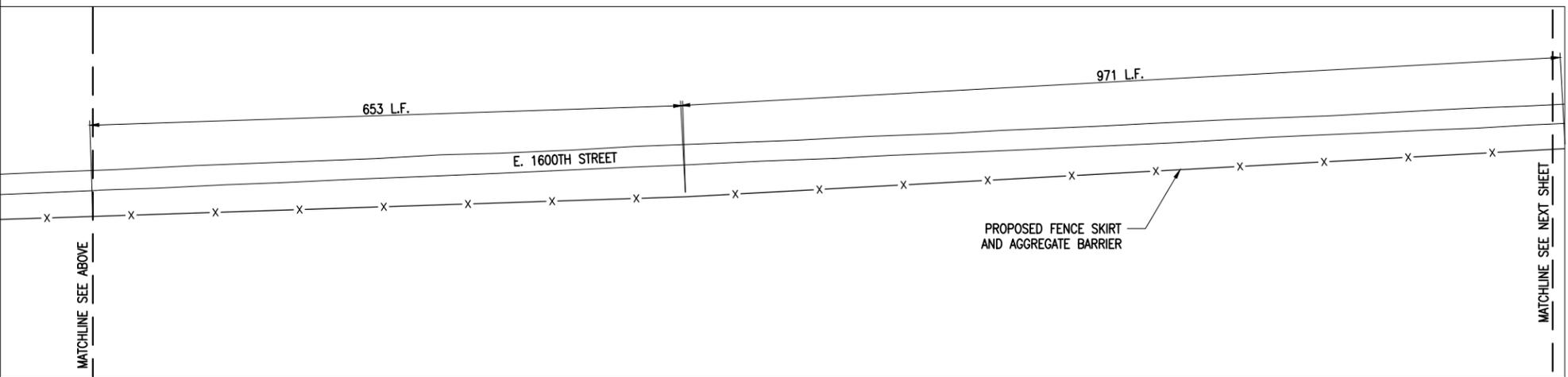
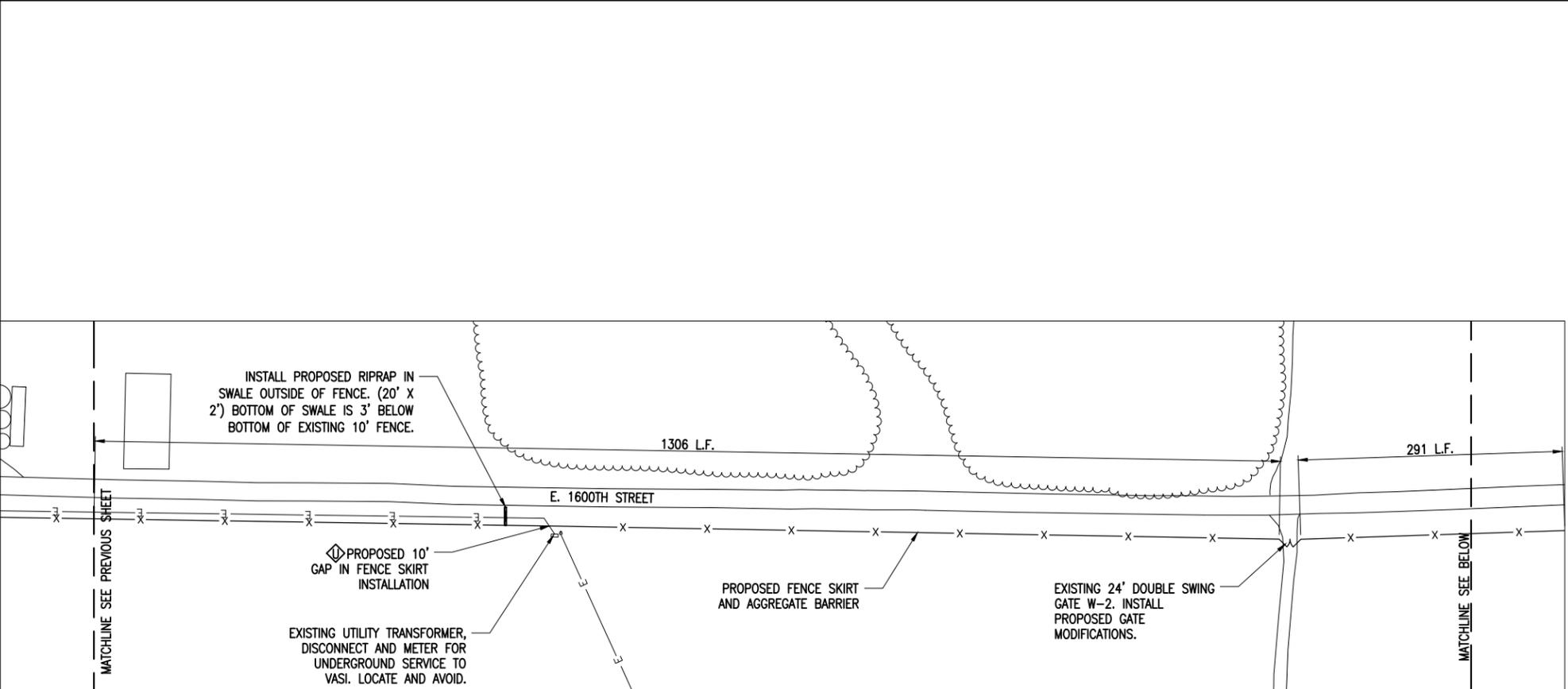
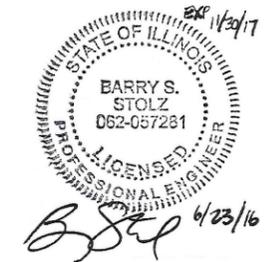
PROPOSED
 CONSTRUCTION
 PLAN SHEET 2



KEY MAP



0' 40' 80' 160'
HALF SIZE SCALE: 1" = 160'
FULL SIZE SCALE: 1" = 80'



LEGEND

- EXISTING PAVEMENT
- EXISTING BUILDING
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- EXISTING FIBER OPTIC SERVICE
- EXISTING TELEPHONE SERVICE
- EXISTING WATER SERVICE
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- EXISTING SANITARY SEWER
- PROPOSED RIP-RAP
- EXISTING UTILITY CROSSING AT FENCELINE

Wildlife Mitigation
Measures per FAR Part
139 Requirements

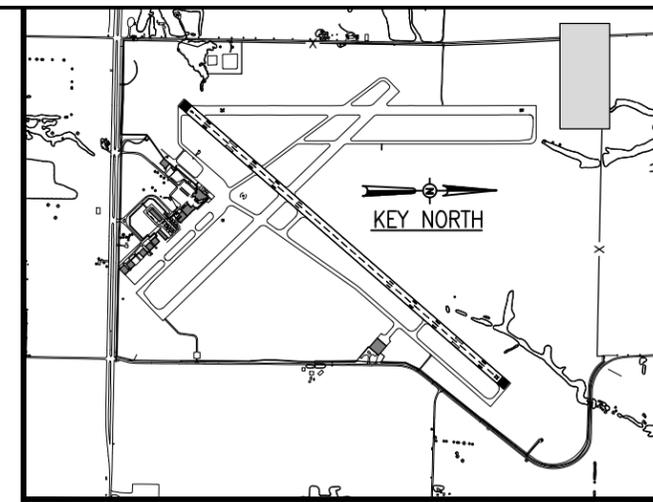
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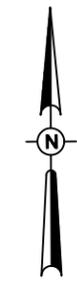
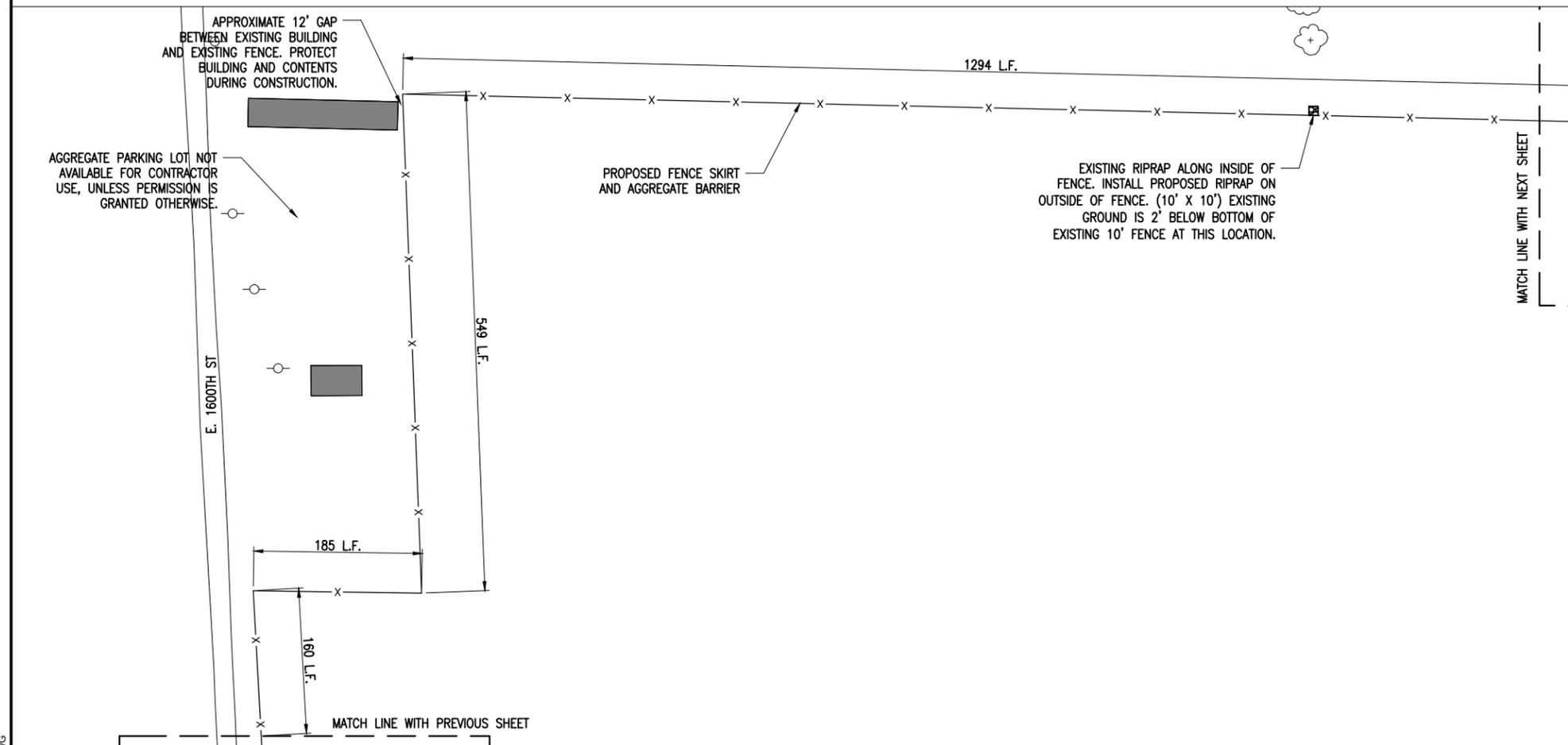
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SHEET TITLE

PROPOSED
CONSTRUCTION
PLAN SHEET 4



KEY MAP



0' 40' 80' 160'
HALF SIZE SCALE: 1" = 160'
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LEGEND

- EXISTING PAVEMENT
- EXISTING BUILDING
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- EXISTING FENCE
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Wildlife Mitigation
Measures per FAR Part
139 Requirements

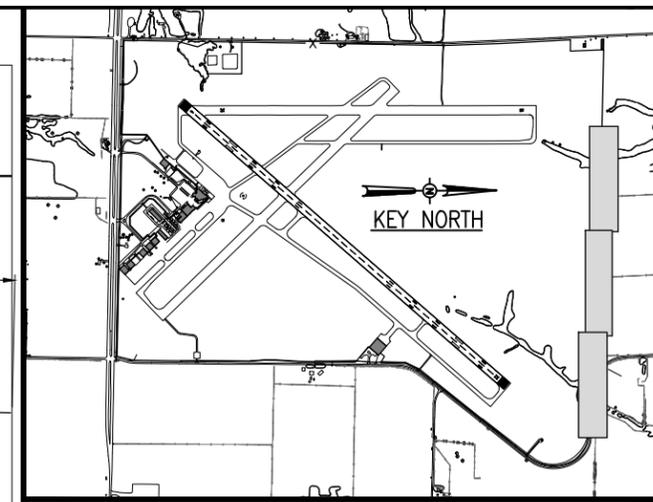
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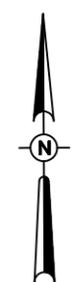
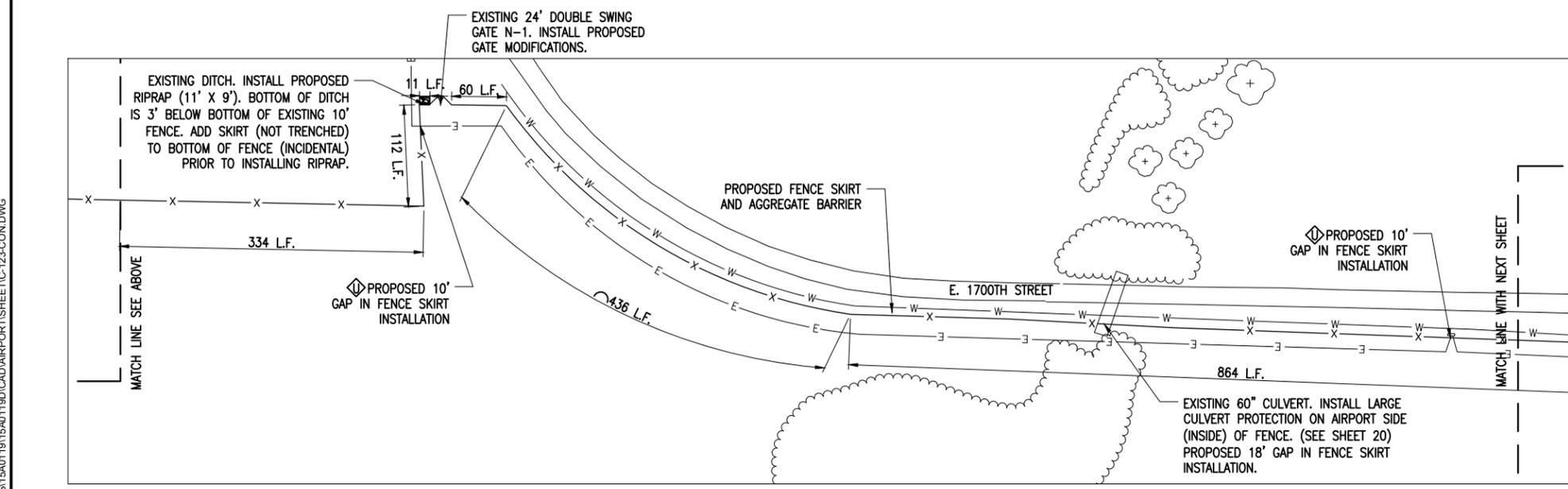
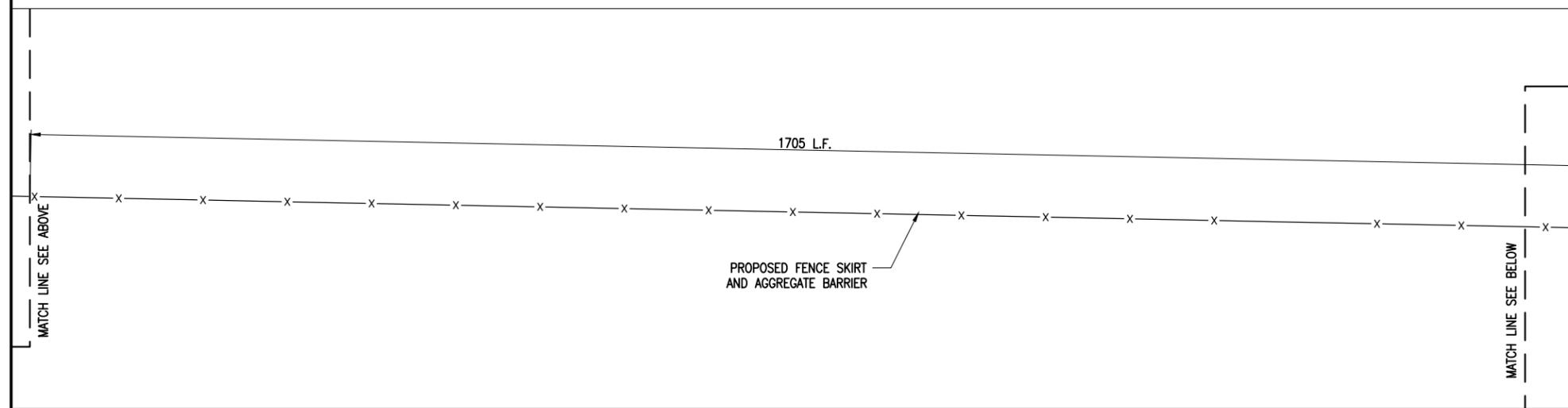
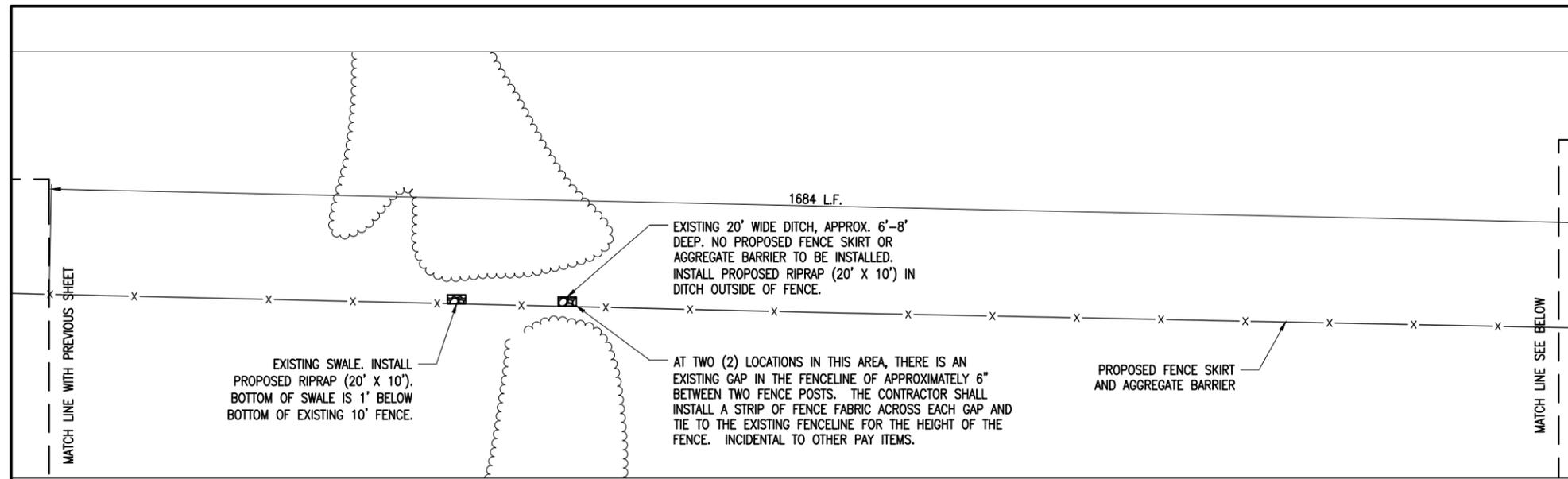
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REVIEWED BY: _____

SHEET TITLE

PROPOSED
CONSTRUCTION
PLAN SHEET 5



KEY MAP



0' 40' 80' 160'
HALF SIZE SCALE: 1" = 160'
FULL SIZE SCALE: 1" = 80'

- LEGEND**
- EXISTING PAVEMENT
 - EXISTING BUILDING
 - WOODED AREA
 - EXISTING FENCE
 - EXISTING ELECTRIC SERVICE
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 - EXISTING SANITARY SEWER
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Wildlife Mitigation
Measures per FAR Part
139 Requirements

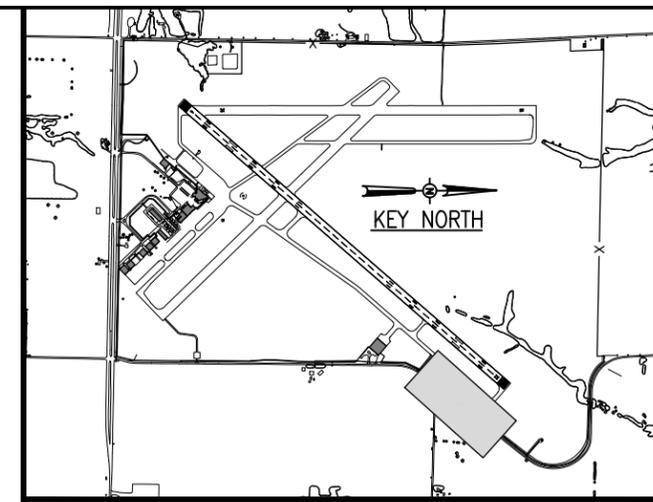
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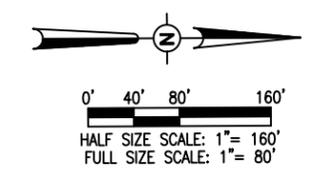
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REVIEWED BY: _____

SHEET TITLE

PROPOSED
CONSTRUCTION
PLAN SHEET 6

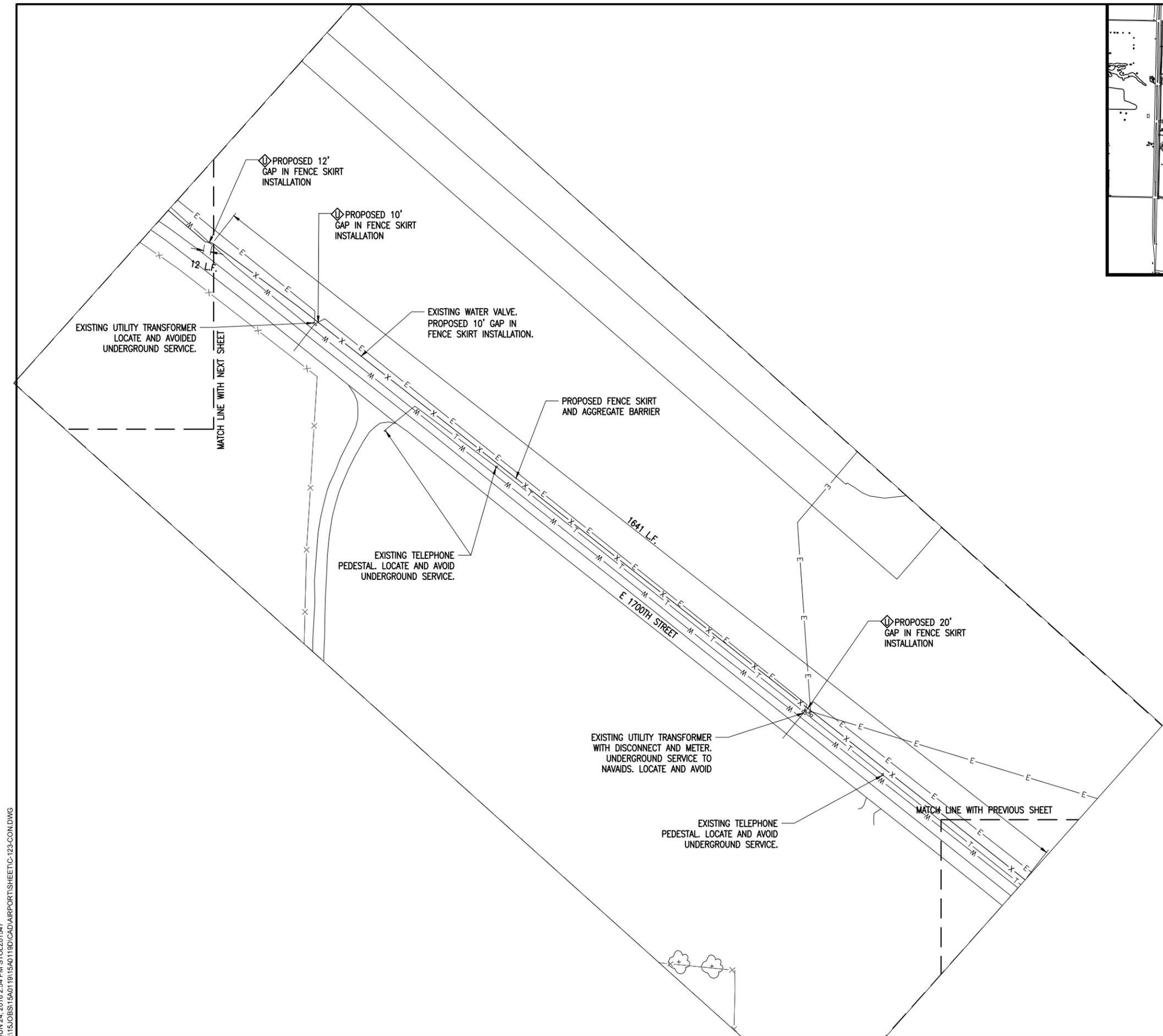


KEY MAP



LEGEND

- EXISTING PAVEMENT
- EXISTING BUILDING
- WOODED AREA
- EXISTING FENCE
- EXISTING ELECTRIC SERVICE
- EXISTING FIBER OPTIC SERVICE
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Wildlife Mitigation
Measures per FAR Part
139 Requirements

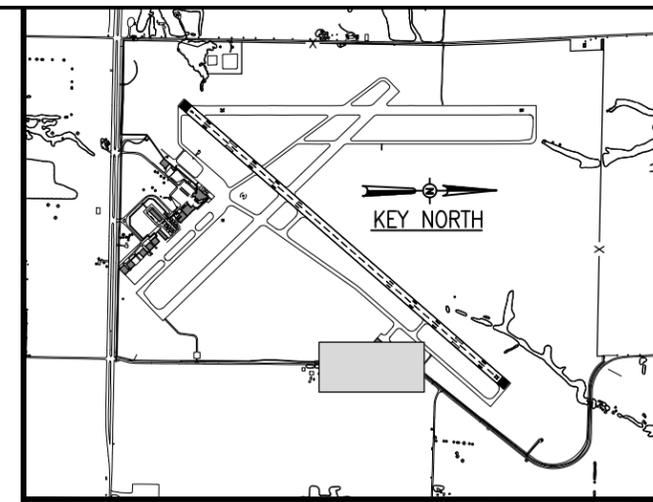
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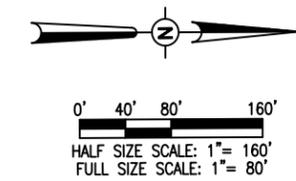
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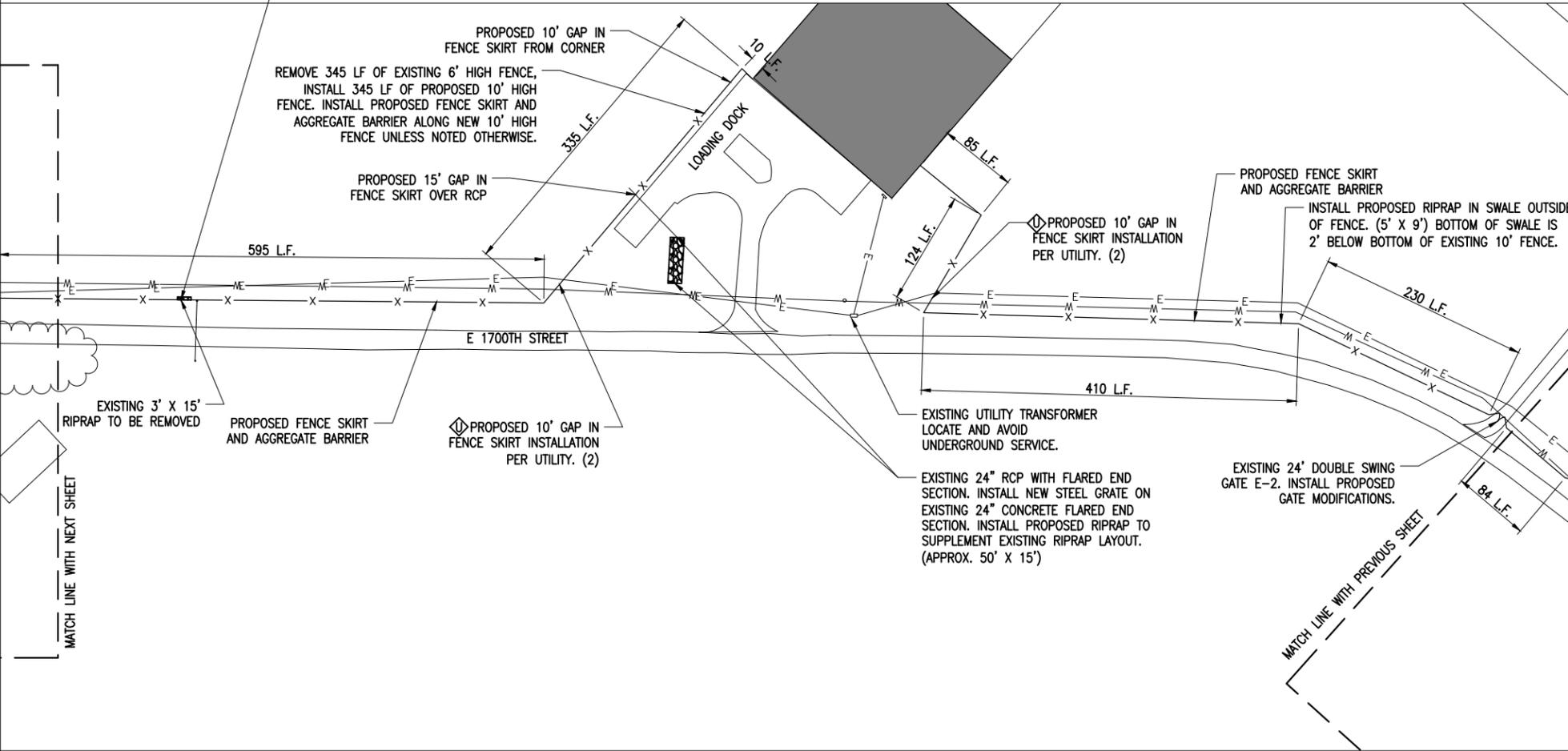
PROPOSED
CONSTRUCTION
PLAN SHEET 8



KEY MAP



INSTALL PROPOSED RIPRAP IN SWALE INSIDE OF FENCE. (10' X 2') TO BE PLACED WHILE 6' HIGH FENCE IS BEING REPLACED NEAR HANGAR. BOTTOM OF SWALE IS 2' BELOW BOTTOM OF EXISTING 10' FENCE.



LEGEND

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Wildlife Mitigation Measures per FAR Part 139 Requirements

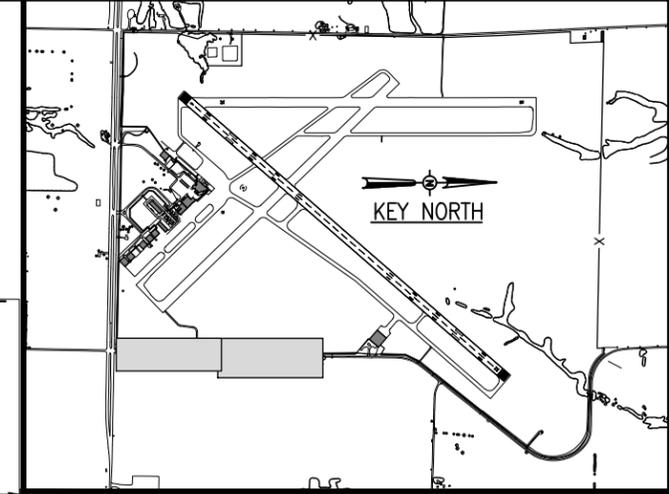
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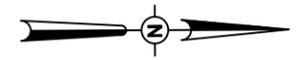
ISSUE: JUNE 23, 2016
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REVIEWED BY: _____

SHEET TITLE

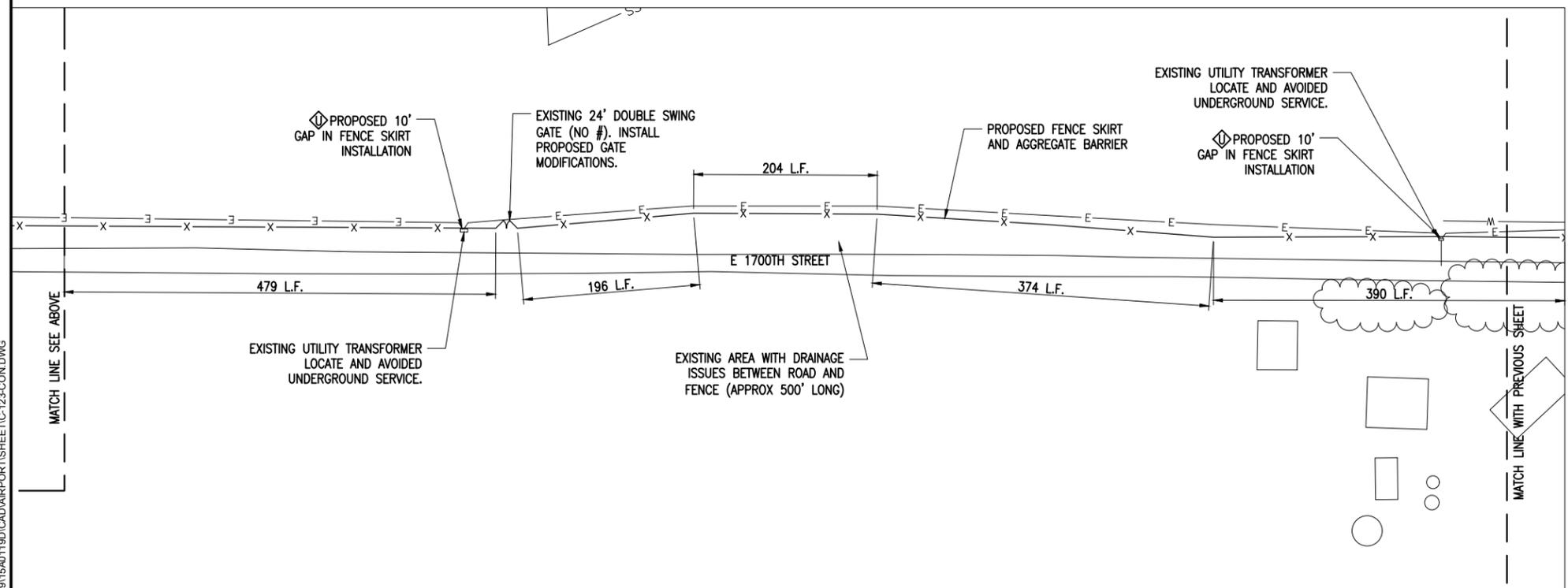
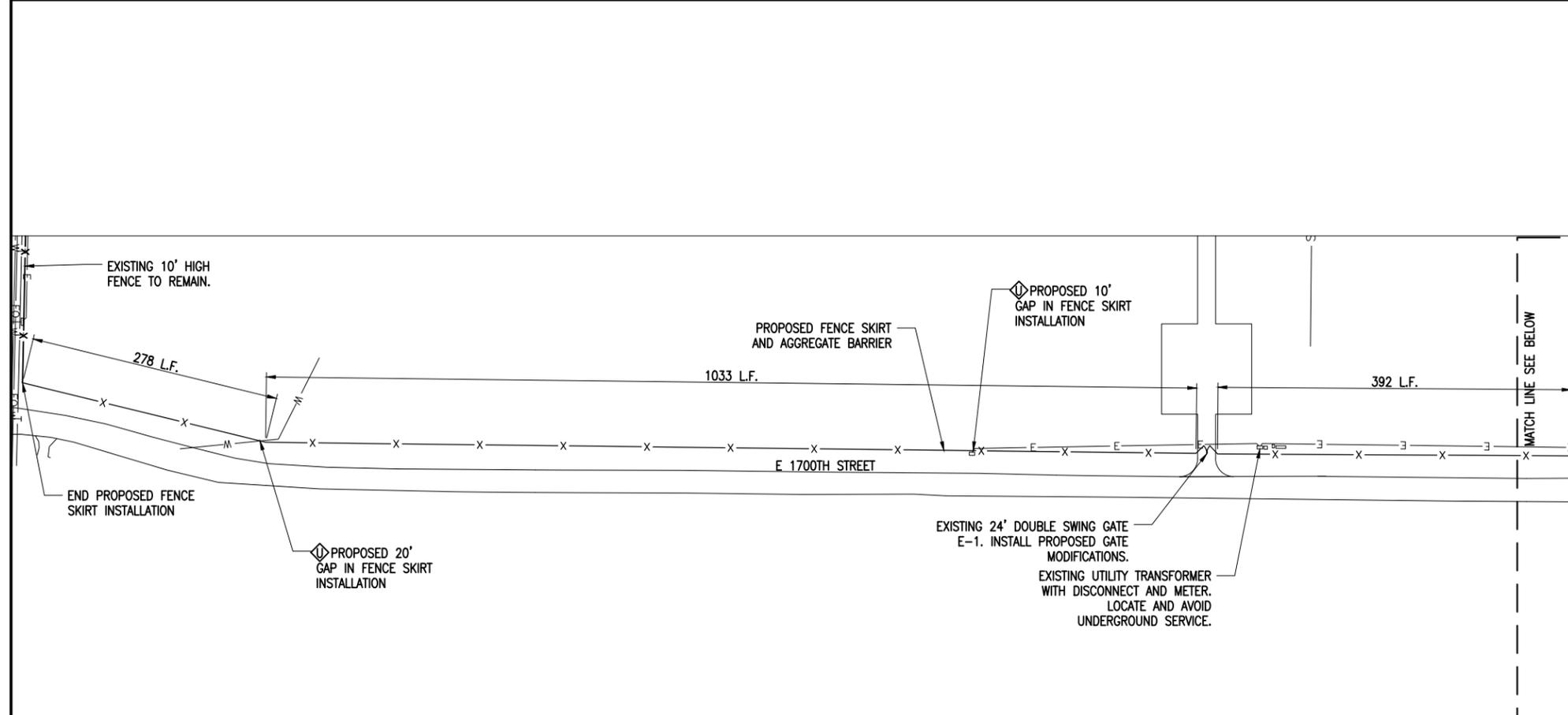
PROPOSED CONSTRUCTION PLAN SHEET 9



KEY MAP



0' 40' 80' 160'
HALF SIZE SCALE: 1" = 160'
FULL SIZE SCALE: 1" = 80'



LEGEND

- EXISTING PAVEMENT
- EXISTING BUILDING
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- PROPOSED RIP-RAP
- EXISTING UTILITY CROSSING AT FENCELINE

Wildlife Mitigation Measures per FAR Part 139 Requirements

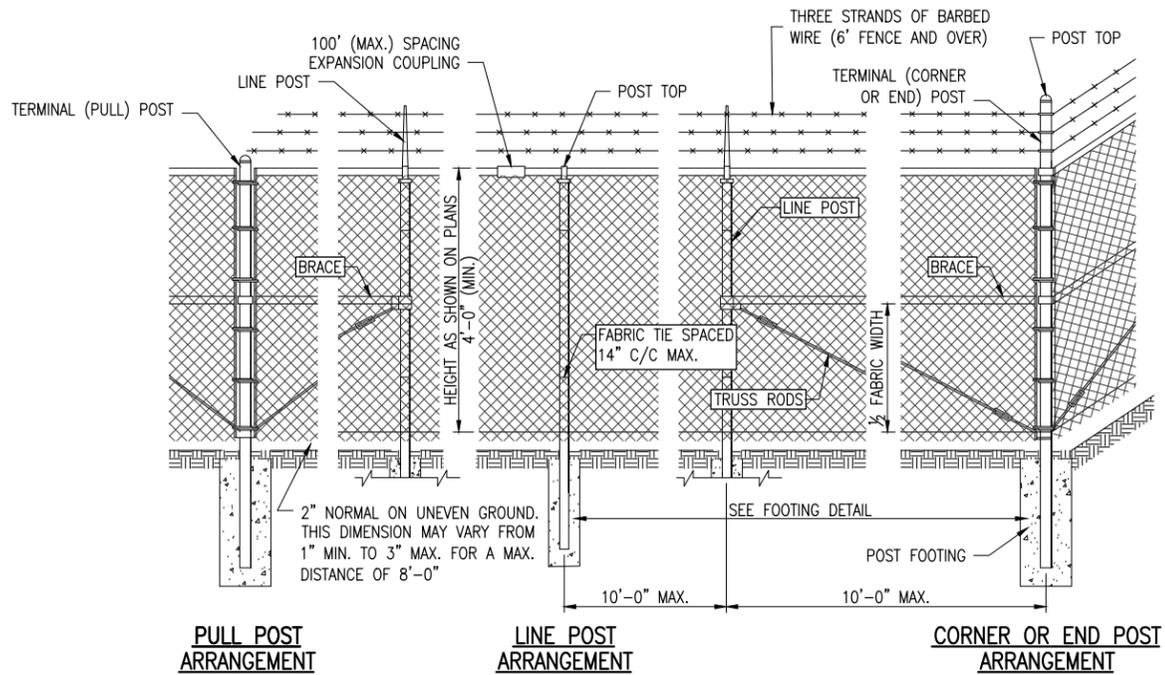
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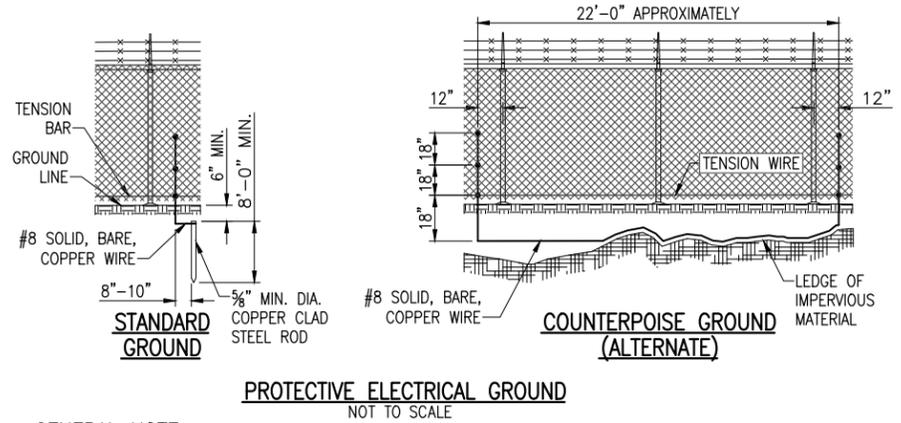
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REVIEWED BY: _____

SHEET TITLE

PROPOSED CONSTRUCTION PLAN SHEET 10



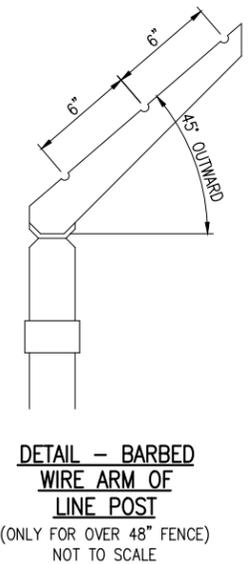
NOTE: FOR 4-FOOT FENCE, THE HORIZONTAL BRACES AND TRUSS RODS ADJACENT TO TERMINAL POSTS AND GATE POSTS SHALL BE OMITTED.



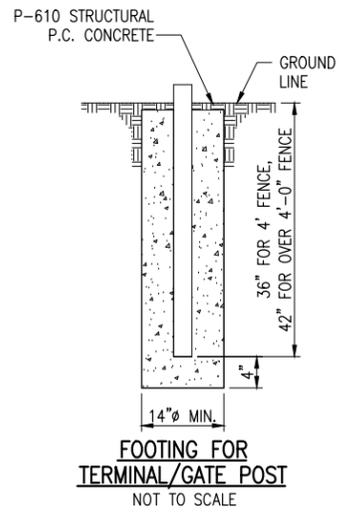
GENERAL NOTE:

CONTINUOUS FENCE SHALL BE GROUNDED AT INTERVALS NOT EXCEEDING 1000', EXCEPT THERE SHALL BE A GROUND NOT EXCEEDING 100 FT. FROM A GATE IN EACH SECTION OF THE FENCE ADJACENT TO THE GATE. FENCE UNDER A POWER LINE SHALL BE GROUNDED BY THREE GROUNDS, ONE DIRECTLY UNDER THE CROSSING AND ONE ON EACH SIDE, 25 TO 50 FT. AWAY. A SINGLE GROUND SHALL BE LOCATED DIRECTLY UNDER EACH TELEPHONE WIRE OR CABLE CROSSING. THE COUNTERPOISE SHALL BE USED ONLY WHERE IT IS IMPOSSIBLE TO DRIVE A GROUND ROD BECAUSE OF AN IMPERVIOUS EARTH STRUCTURES. THE GROUND WIRE SHALL BE CONNECTED TO THE FABRIC AND THE GROUND ROD BY A MECHANICAL CLAMP OF CAST BRONZE BODY AND BRONZE OR STAINLESS STEEL BOLTS AND WASHERS. WHEN A TENSION WIRE IS REQUIRED, THE BOTTOM CONNECTION OF THE GROUND WIRE SHALL BE MADE TO THE TENSION WIRE.

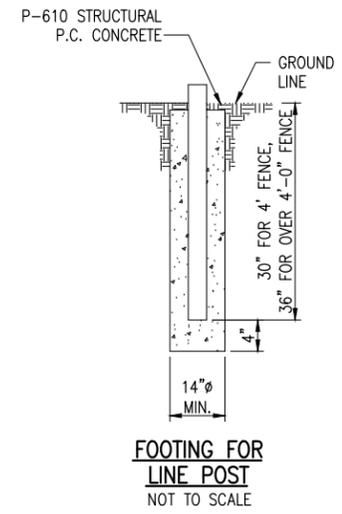
PROPOSED GROUNDING SHALL BE INCIDENTAL TO FENCE INSTALLATION.



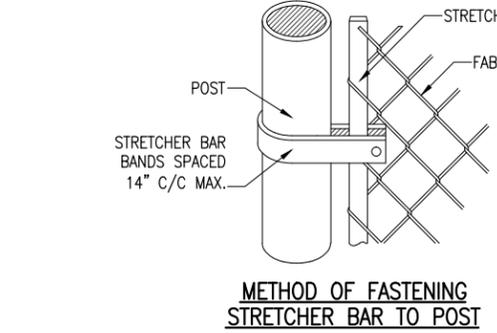
DETAIL - BARBED WIRE ARM OF LINE POST
(ONLY FOR OVER 48" FENCE)
NOT TO SCALE



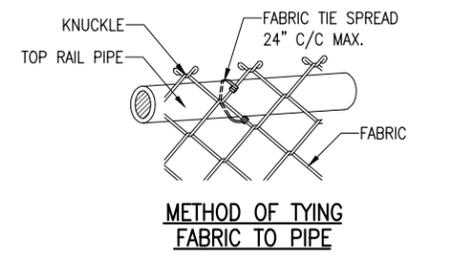
FOOTING FOR TERMINAL/GATE POST
NOT TO SCALE



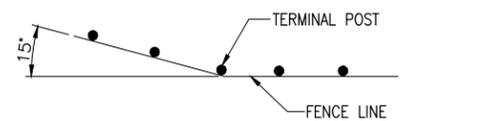
FOOTING FOR LINE POST
NOT TO SCALE



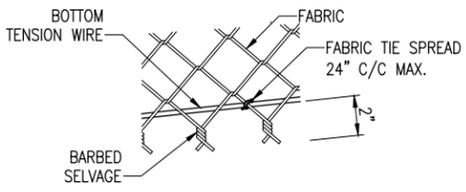
METHOD OF FASTENING STRETCHER BAR TO POST



METHOD OF TYING FABRIC TO PIPE



WHERE THE 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 TERMINAL POST, THEY SHALL BE PLACED AS DIRECTED BY ENGINEER.



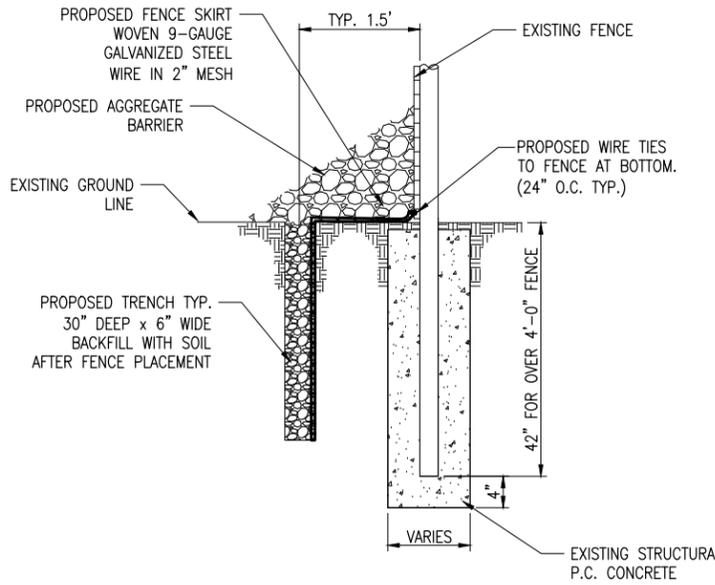
METHOD OF TYING FABRIC TO TENSION WIRE
NOT TO SCALE

Wildlife Mitigation Measures per FAR Part 139 Requirements

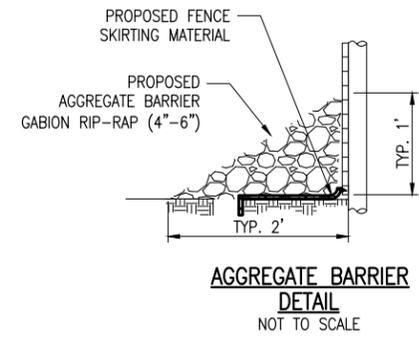
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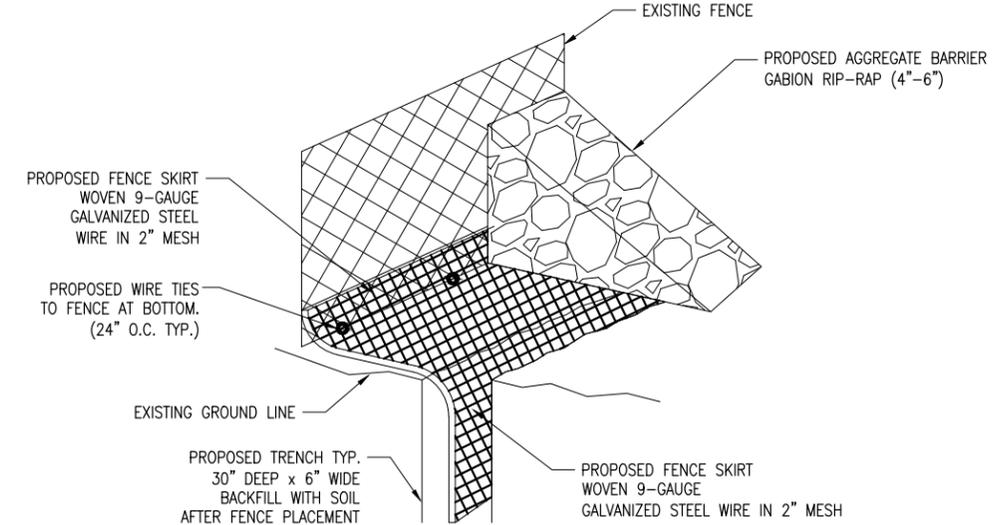
PROPOSED FENCING DETAILS



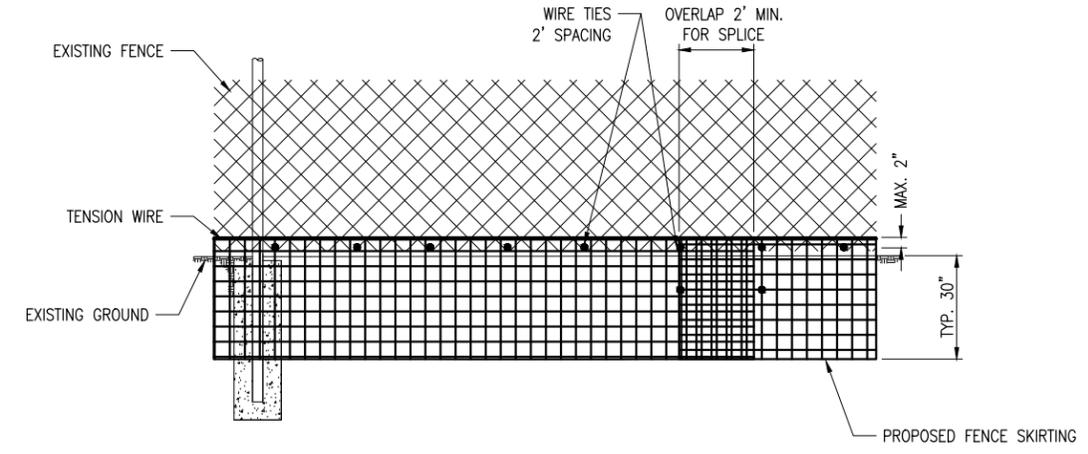
TYPICAL CHAINLINK FENCE SKIRT INSTALLATION DETAILS
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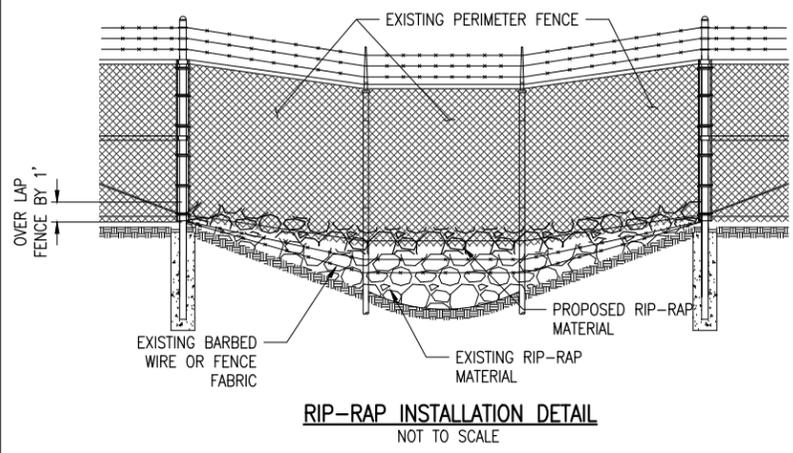
AGGREGATE BARRIER DETAIL
NOT TO SCALE



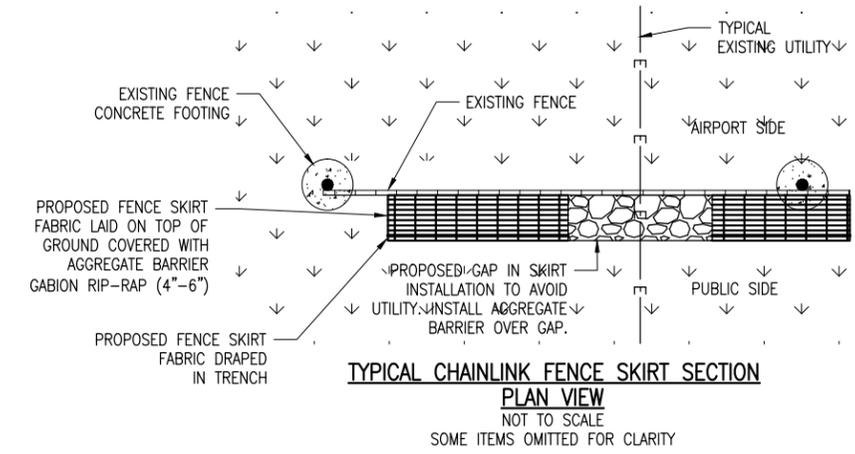
TYPICAL CHAINLINK FENCE SKIRT SECTION DETAILED VIEW
NOT TO SCALE
SOME ITEMS OMITTED FOR CLARITY



TYPICAL EXISTING FENCE SECTION WITH CHAINLINK FENCE SKIRTING
NOT TO SCALE
SOME ITEMS OMITTED FOR CLARITY



RIP-RAP INSTALLATION DETAIL
NOT TO SCALE



TYPICAL CHAINLINK FENCE SKIRT SECTION PLAN VIEW
NOT TO SCALE
SOME ITEMS OMITTED FOR CLARITY

Wildlife Mitigation Measures per FAR Part 139 Requirements

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ISSUE: JUNE 23, 2016
PROJECT NO: 15A0119D
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REVIEWED BY: _____

SHEET TITLE

PROPOSED FENCE SKIRTING DETAILS

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PROPOSED F-163 CHAIN-LINK FENCE SKIRT NOTES

1. THIS PAY ITEM AR800518 SHALL CORRESPOND WITH SPECIFICATION "FAA F-163 CHAIN-LINK FENCE SKIRT".
2. CHAIN-LINK FENCE SKIRT FABRIC SHALL BE MEASURED FOR PAYMENT BY THE LINEAR FOOT TO THE NEAREST FOOT. MEASUREMENT SHALL BE ALONG THE FENCE FROM CENTER TO CENTER OF THE END OR CORNER POSTS, EXCLUDING THE LENGTH OCCUPIED BY GATE OPENINGS OR RIP-RAP MATERIAL.
3. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR FENCE SKIRT FABRIC. THIS PRICE SHALL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, ALL LABOR (INCLUDING PREPARATION, EXCAVATION, BACKFILL, FILL, AND INSTALLATION), EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM. UTILITY LOCATES SHALL BE INCLUDED IN THIS PAY ITEM.
4. EXCAVATION OF TRENCH SHALL BE TO THE REQUIRED DEPTH AND WIDTH FOR PROPER INSTALLATION OF CHAIN-LINK FABRIC, MINIMUM OF 30" DEEP BY 6" WIDE. IF UNABLE TO MEET REQUIRED EXCAVATION DIMENSIONS DUE TO SUBGRADE MATERIAL OR BURIED UTILITIES, REFER TO DETAILS ON THE PLANS AND CONTACT THE RESIDENT PROJECT REPRESENTATIVE (RPR) FOR APPROVAL. THE CENTERLINE OF THE TRENCH SHALL BE LOCATED 1.5' AWAY FROM THE EXISTING FENCE, AND RUN PARALLEL WITH THE EXISTING FENCE FOR THE ENTIRE PROPOSED ALIGNMENT.
5. THOSE LOCATIONS WHERE THE WILDLIFE FENCE SKIRT ALIGNMENT ENCOUNTERS EXISTING BURIED UTILITIES, THE WILDLIFE FENCE SKIRT FABRIC SHALL BE NOT INSTALLED FOR A SPECIFIED DISTANCE AS SHOWN ON THE CONSTRUCTION PLANS. EXACT LOCATIONS SHALL BE COORDINATED WITH THE RESIDENT ENGINEER/TECHNICIAN.
6. SPECIAL CARE SHALL BE TAKEN WHEN EXCAVATION AROUND BURIED UTILITIES. CONSULT THE RESIDENT ENGINEER/TECHNICIAN WHEN BURIED UTILITIES ARE NEAR THE SURFACE.
7. THE FENCE FABRIC SHALL LAP SPLICE THE EXISTING FENCE FABRIC FOR A MINIMUM OF 1' AND BE SECURED IN PLACE WITH WIRE TIES AT 2 FOOT SPACING.
8. THE FENCE FABRIC SHALL BE DRAPED ACROSS THE EXISTING GROUND. SPECIAL CARE SHALL BE TAKEN TO ENSURE THAT THE SKIRT FABRIC IS LAYING SMOOTHLY ACROSS THE GROUND.
9. BACKFILLING OF THE EXCAVATED AREA SHALL BEGIN AFTER THE FENCE FABRIC HAS BEEN PROPERLY INSTALLED AND SECURED IN PLACE, AND SHALL BE WITH NATIVE SOIL TO THE ORIGINAL GRADE UNLESS OTHERWISE SPECIFIED. BACKFILL MATERIAL SHALL BE ADEQUATELY COMPACTED IN TRENCH AND AT NO ADDITIONAL COST TO THE CONTRACT.
10. WHEN SPLICING FENCE SKIRTING FABRIC, OVERLAP FABRIC A MINIMUM OF 2 FEET AND SECURE USING WIRE TIES, ONE A MAXIMUM DISTANCE OF 2 INCHES BELOW THE TOP OF THE SKIRTING FABRIC AND ONE 2 INCHES ABOVE BOTTOM.
11. WIRE FABRIC TIES SHALL BE INSTALLED EVERY 2 FEET SECURING FENCE SKIRTING TO EXISTING FENCE FABRIC. WIRE TIES SHALL BE INSTALLED A MAXIMUM DISTANCE OF 2 INCHES BELOW THE TOP OF THE FENCE SKIRTING FABRIC AND 2 INCHES ABOVE BOTTOM.

PROPOSED RIP-RAP MATERIAL NOTES

1. THIS PAY ITEM AR156540 "RIP-RAP", SHALL CORRESPOND WITH THE FOLLOWING NOTES REGARDING CONSTRUCTION METHODS AND CONSTRUCTION MATERIALS.
2. PROPOSED AGGREGATE MATERIAL TO BE USED AS AGGREGATE BARRIER SHALL BE RIP-RAP REVETMENT, HAVING NOMINAL SIZE OF 6"-12".
3. RIP-RAP SHALL BE MEASURED FOR PAYMENT BY SQUARE YARD FOR MATERIAL PLACED AND ACCEPTED.
4. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR RIP-RAP MATERIAL. THIS PRICE SHALL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, ALL LABOR (INCLUDING PREPARATION, EXCAVATION. AND PLACEMENT), EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM.
5. THE CONTRACTOR SHALL SUBMIT LOAD TICKETS TO THE RESIDENT ENGINEER/TECHNICIAN WHICH HAS THE RECORDED NET WEIGHT OF THE AGGREGATE FOR EACH TRUCK.
6. MINOR EARTHWORK AND GRADING MAY BE NECESSARY IN THE AREAS WHERE THE PROPOSED RIP-RAP MATERIAL IS TO BE PLACED. THIS EARTHWORK AND GRADING SHALL BE CONSIDERED INCIDENTAL TO THIS PAY ITEM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. PRIOR TO ANY PLACEMENT OF ANY RIP-RAP MATERIAL APPROPRIATE REPAIRS MUST BE MADE TO ANY DAMAGED FENCE FABRIC OR BARBED WIRE STRANDS THAT EXIST AS PART OF THE EXISTING FENCE. THESE REPAIRS ARE ANTICIPATED TO BE MINIMAL THEREFORE SUCH REPAIRS WILL BE CONSIDERED INCIDENTAL TO THIS PAY ITEM.
8. RIP-RAP MATERIAL PLACED AGAINST EXISTING FENCE SHALL BE PILED UP A MINIMUM OF 1' OVERLAPPING THE EXISTING FENCE.
9. WILDLIFE DETERRENT FENCE SKIRTING IS NOT TO BE INSTALLED WHERE RIP-RAP IS TO BE PLACED UNLESS OTHERWISE SPECIFIED.
10. ESTIMATED AREAS OF PROPOSED RIP-RAP ARE SHOWN ON THE PLANS. ACTUAL LOCATIONS FOR PLACEMENT SHALL BE COORDINATED WITH THE RESIDENT ENGINEER/TECHNICIAN.

PROPOSED AGGREGATE BARRIER NOTES

1. THIS PAY ITEM AR800519 "AGGREGATE BARRIER", SHALL CORRESPOND WITH THE FOLLOWING NOTES REGARDING CONSTRUCTION METHODS AND CONSTRUCTION MATERIALS.
2. PROPOSED AGGREGATE MATERIAL TO BE USED AS AGGREGATE BARRIER SHALL BE GABION RIP-RAP, HAVING A NOMINAL SIZE OF 4"-6".
3. AGGREGATE BARRIER SHALL BE MEASURED FOR PAYMENT BY THE LINEAR FOOT TO THE NEAREST FOOT. MEASUREMENT SHALL BE ALONG THE FENCE FROM CENTER TO CENTER OF THE END OR CORNER POSTS, EXCLUDING THE LENGTH OCCUPIED BY GATE OPENINGS OR RIP-RAP MATERIAL.
4. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR AGGREGATE BARRIER. THIS PRICE SHALL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, ALL LABOR (INCLUDING PREPARATION, EXCAVATION. AND PLACEMENT), EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM.
5. THE CONTRACTOR SHALL SUBMIT LOAD TICKETS TO THE RESIDENT ENGINEER/TECHNICIAN WHICH HAS THE RECORDED NET WEIGHT OF THE AGGREGATE FOR EACH TRUCK.
6. THE AGGREGATE BARRIER SHALL BE PLACED ON TOP OF THE WILDLIFE DETERRENT FENCE SKIRTING ONLY AFTER THE FENCE SKIRT FABRIC HAS BEEN PROPERLY INSTALLED AND SECURED, AND THE EXCAVATED TRENCH HAS BEEN PROPERLY BACKFILLED AND COMPACTED.
7. AGGREGATE SHALL BE PLACED FOR A HORIZONTAL WIDTH OF 2 FEET FROM THE EXISTING FENCE, AND PILED A VERTICAL HEIGHT OF 1 FOOT ALONG THE EXISTING FENCE, AND FINISHED BY GRADING TO A UNIFORM SLOPE.

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Illinois Licensed
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Quincy Regional Airport
Baldwin Field
Quincy, Adams County, Illinois



Wildlife Mitigation
Measures per FAR Part
139 Requirements

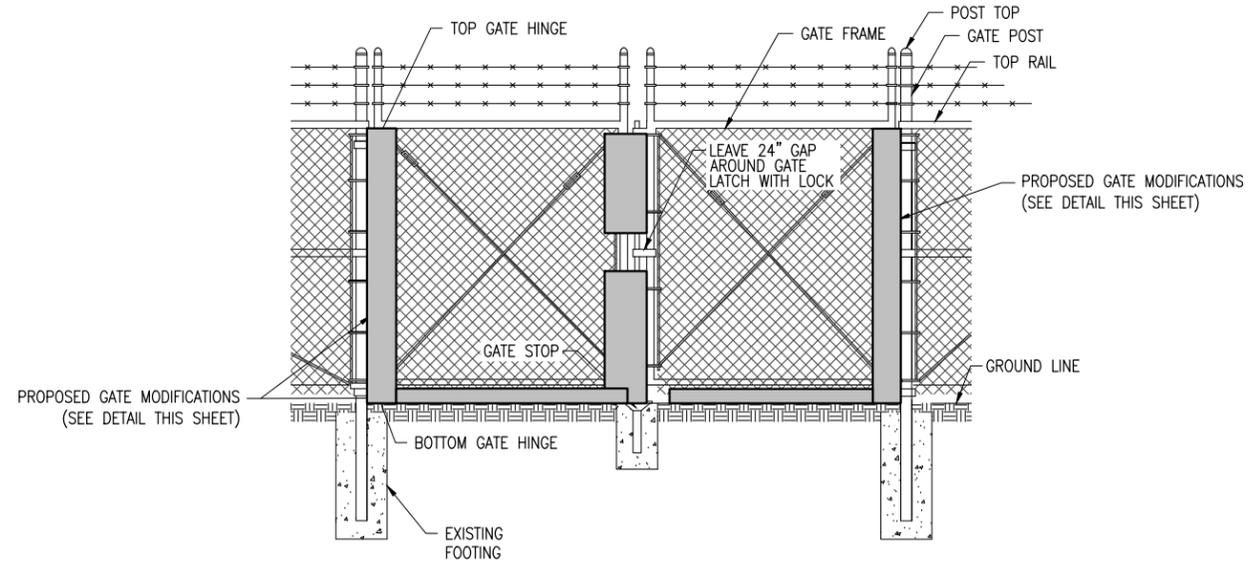
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Contract No. QI 062

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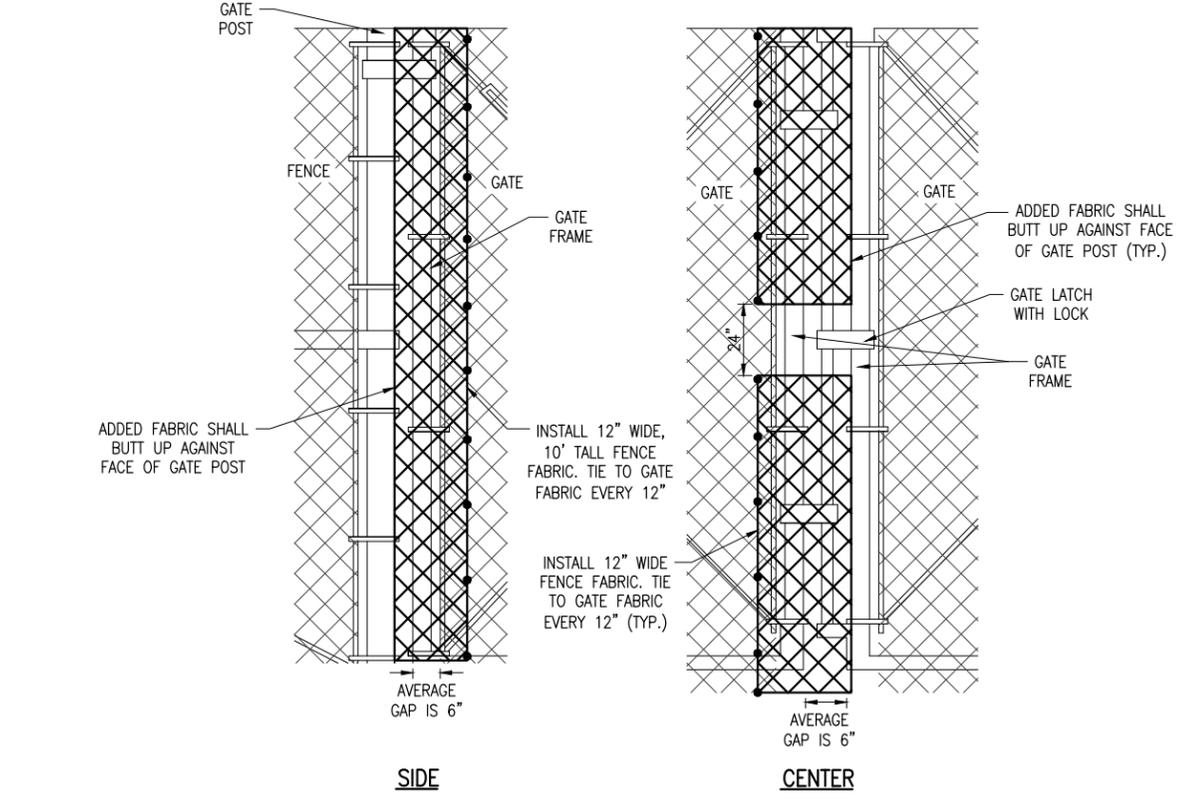
ISSUE: JUNE 23, 2016
PROJECT NO: 15A0119D
CAD FILE: C-573-FEN.DWG
DESIGN BY: CWS 06/03/2016
DRAWN BY: CWS 06/03/2016
REVIEWED BY: _

SHEET TITLE

PROPOSED FENCE
SKIRTING NOTES

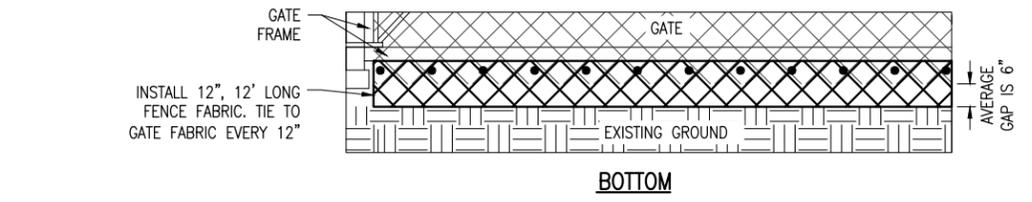


PROPOSED GATE MODIFICATIONS DETAIL
NOT TO SCALE



SIDE

CENTER

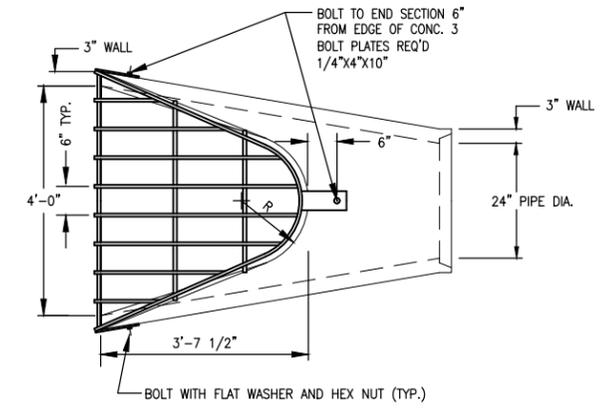


BOTTOM

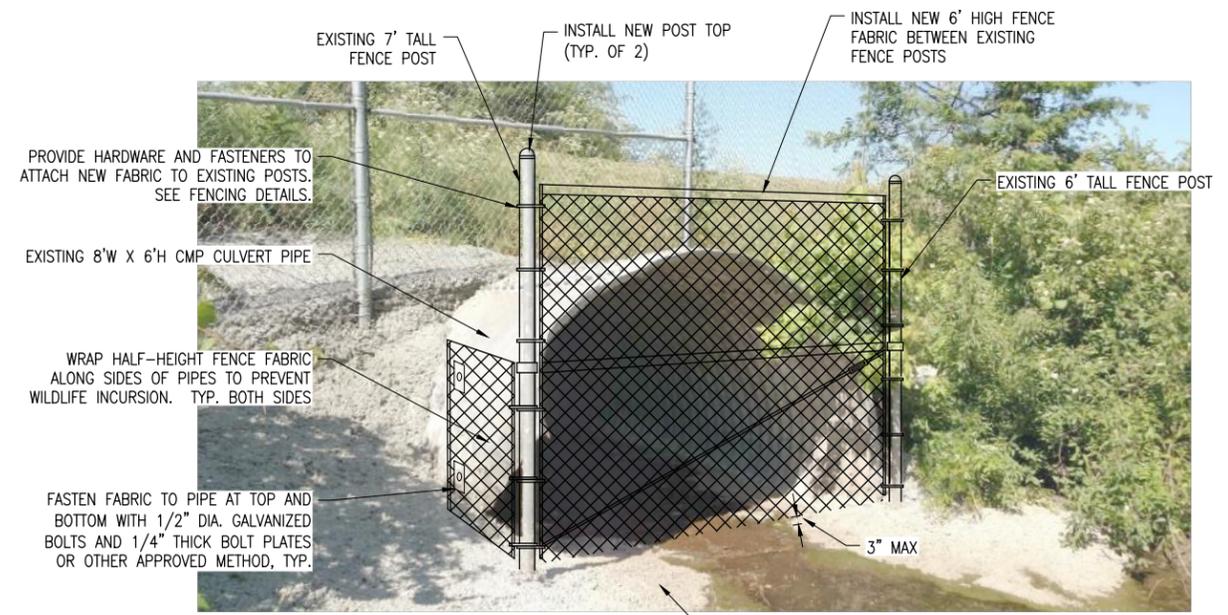
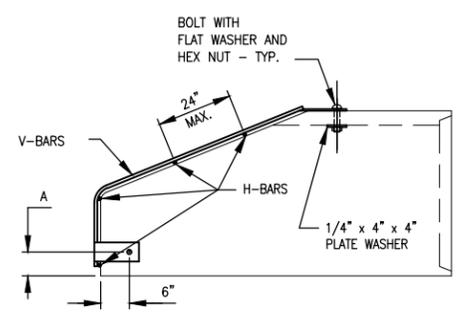
PROPOSED GATE MODIFICATIONS
NOT TO SCALE

DIA. INCHES	V-BAR SIZE	H-BAR SIZE	No. OF H-BARS REQ'D.	BOLT DIA. INCHES	"A" DIM. INCHES
24	5/8"	3/4"	4	1/2"	5

- NOTES**
1. BARS AND PLATES ARE HOT ROLLED STEEL.
 2. BARS, PLATES, PIPE AND BOLTS ARE GALVANIZED.



GRATING FOR FLARED END SECTION
NOT TO SCALE



LARGE CULVERT PROTECTION DETAIL
NOT TO SCALE

CONTRACTOR SHALL COORDINATE WITH AIRPORT AND RESIDENT ENGINEER/TECHNICIAN FOR ACCESS TO CULVERT SITE.

Wildlife Mitigation Measures per FAR Part 139 Requirements

IDA No: UIN-4486
Contract No. QI 062

NO.	DATE	DESCRIPTION		
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ISSUE: JUNE 23, 2016
PROJECT NO: 15A0119D
CAD FILE: C-572-FEN.DWG
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SHEET TITLE

PROPOSED MISCELLANEOUS DETAILS

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Wildlife Mitigation
Measures per FAR Part
139 Requirements

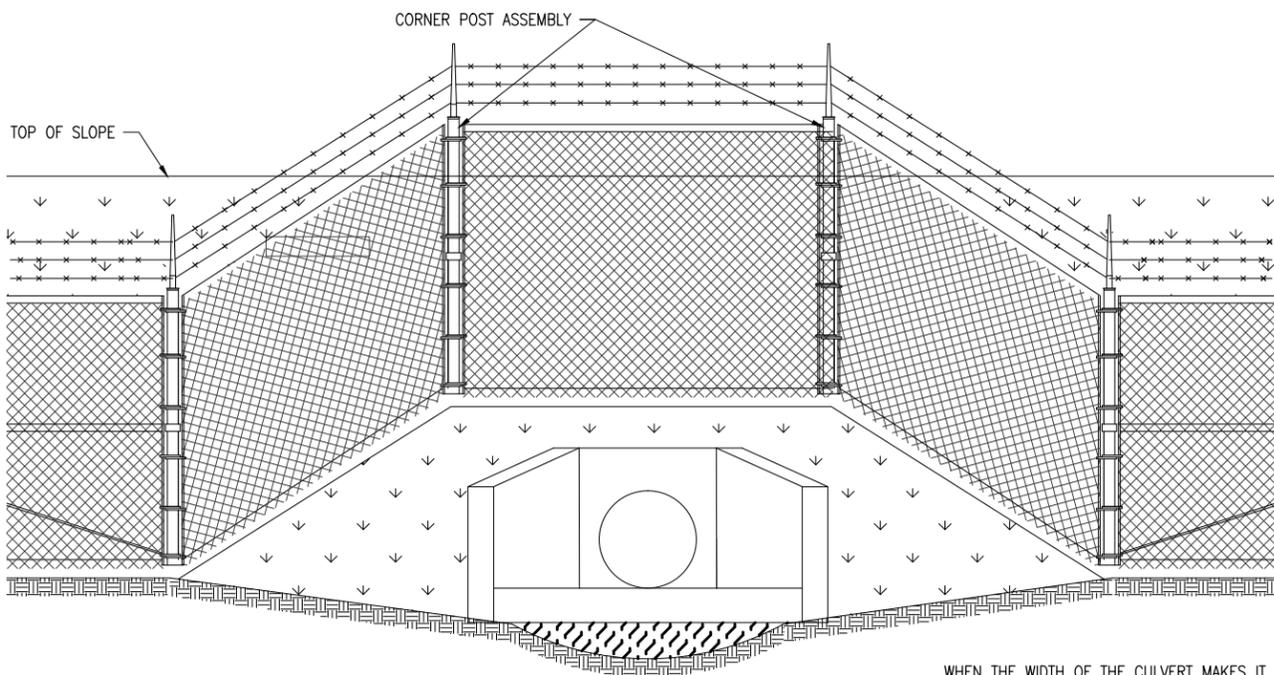
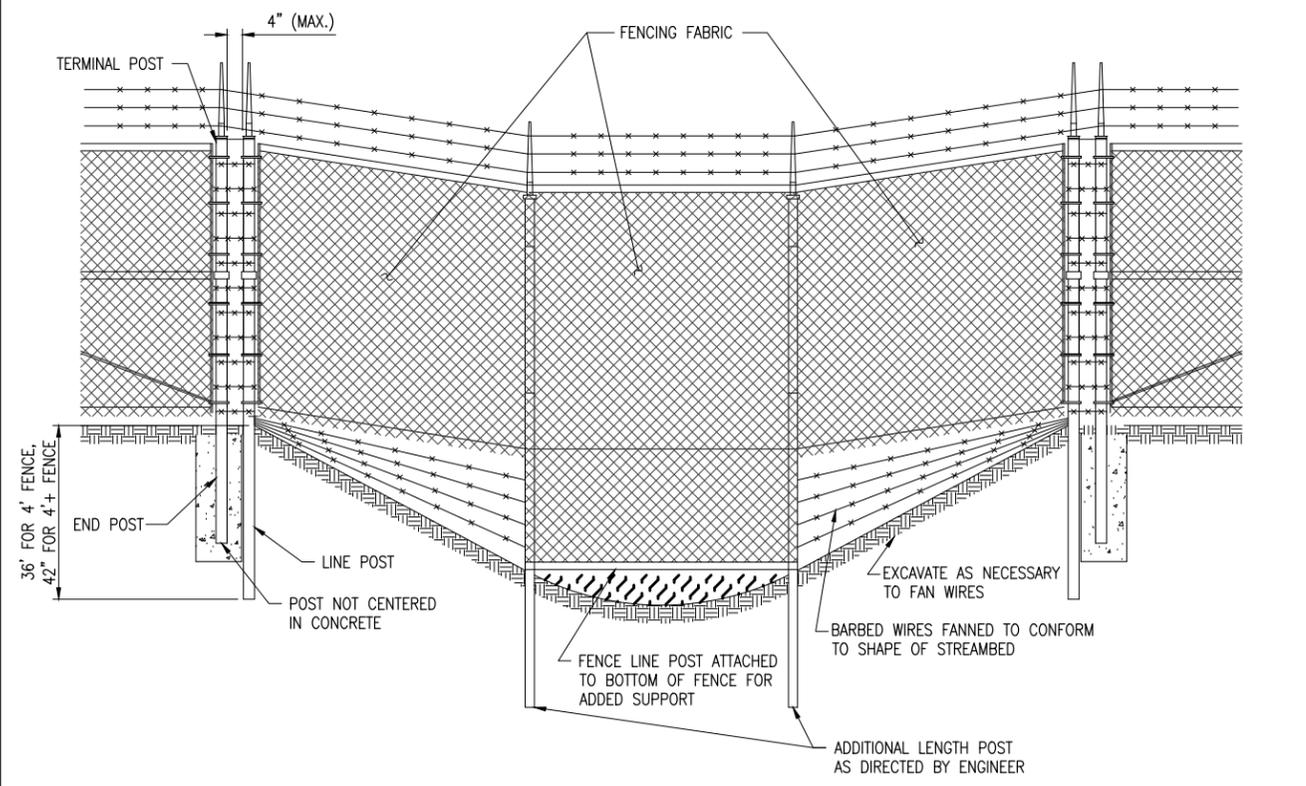
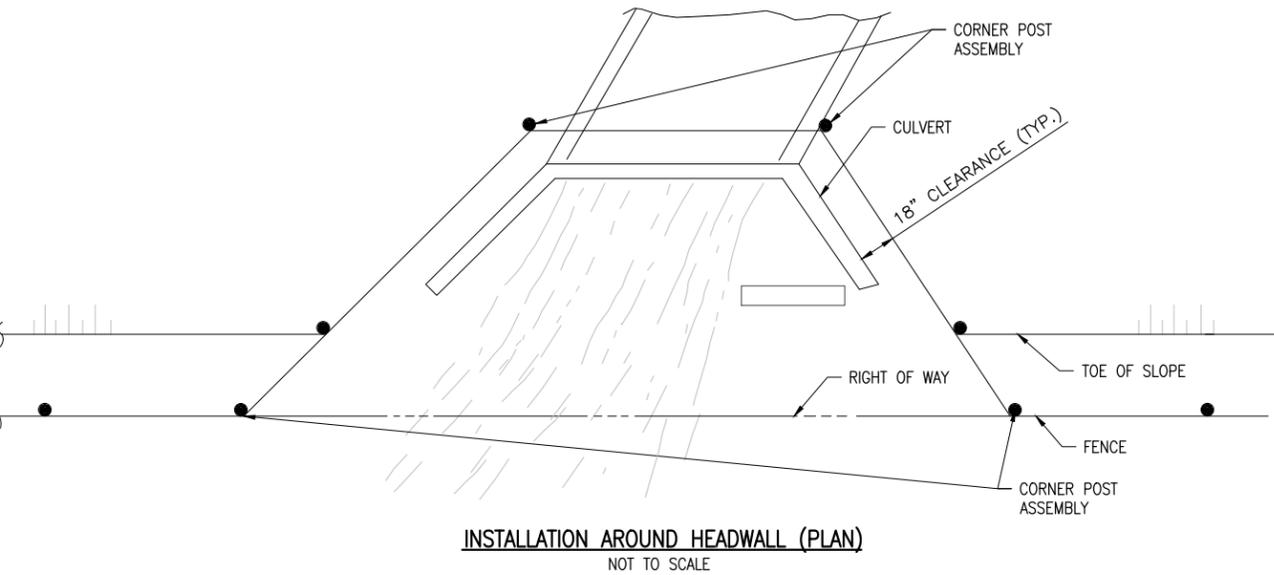
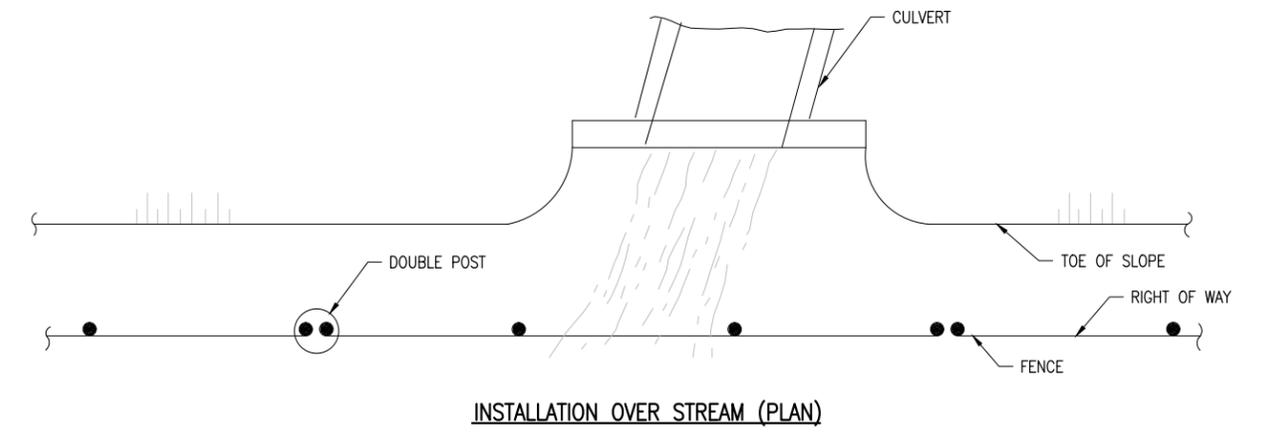
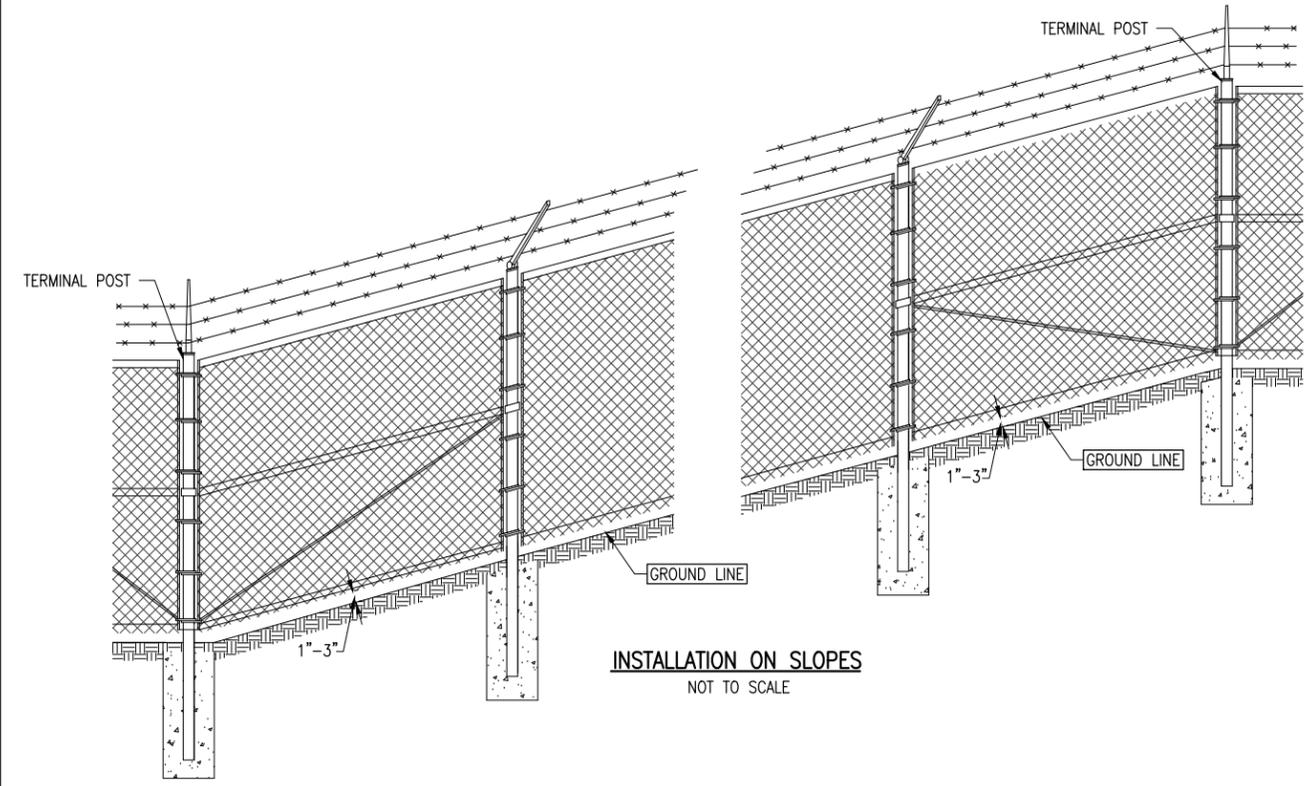
IDA No: UIN-4486
Contract No. QI 062

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PROJECT NO: 15A0119D
CAD FILE: C-570_FEN.DWG
DESIGN BY: CWS 06/02/2016
DRAWN BY: CWS 06/02/2016
REVIEWED BY: -

SHEET TITLE

EXISTING FENCE
DETAILS (FOR
REFERENCE)



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.

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THE CHAIN LINK FABRIC SHALL BE REPLACED BY BARBED WIRE STRANDS AT 12" MAXIMUM CENTERS BETWEEN THE DOUBLE POST SHOWN.



Wildlife Mitigation
Measures per FAR Part
139 Requirements

IDA No: UIN-4486
Contract No. QI 062

NO.	DATE	DESCRIPTION		
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ISSUE: JUNE 23, 2016
PROJECT NO: 15A0119D
CAD FILE: 160189 ARCH SHEETS
DESIGN BY: CRC
DRAWN BY: CRC
REVIEWED BY: DEN 06/22/2016

SHEET TITLE

TERMINAL
MODIFICATIONS
PLAN

GENERAL NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION.
- BASE BID WORK INCLUDES:
 - REMOVE ALL LOOSE AND OTHERWISE DAMAGED PAINT FROM EXPOSED EXISTING STEEL ROOF DECK, BEAMS, AND DOWNSPOUT COVER PLATE AT AREAS "A", "B", AND "C". REMOVE PAINT FOLLOWING ALL CODES AND REGULATIONS APPLICABLE
 - CLEAN METAL DECK AND BEAMS TO PREPARE FOR PRIMING
 - PRIME ALL METAL SURFACES WHERE BARE METAL IS EXPOSED
 - ENCLOSE EXISTING ROOF OVERHANG AT AREA "A" WITH NEW PREFINISHED METAL SOFFIT PANELS
 - REMOVE (3) EXISTING DOWN LIGHT FIXTURES - CONDUIT TO REMAIN IN PLACE FOR FUTURE USE
 - INSTALL BIRD DETERRENT NETTING AT AREAS "B" AND "C"
- ADDITIVE ALTERNATE BID #1 WORK INCLUDES:
 - NO BASE BID BIRD DETERRENT NETTING AT AREA "B"
 - ENCLOSE EXISTING ROOF OVERHANG AT AREA "B" WITH NEW PREFINISHED METAL SOFFIT PANELS
 - EXISTING LIGHTING TO REMAIN IN PLACE - WORK AROUND EXISTING SURFACE MOUNTED CONDUIT
- ADDITIVE ALTERNATE BID #2 WORK INCLUDES:
 - NO BASE BID BIRD DETERRENT NETTING AT AREA "C"
 - ENCLOSE EXISTING ROOF OVERHANG AT AREA "C" WITH NEW PREFINISHED METAL SOFFIT PANELS
 - (2) EXISTING GARAGE CONTROLS TO REMAIN IN PLACE
 - (3) EXISTING SURFACE MOUNTED LIGHTS TO REMAIN. REMOVE AND REINSTALL IF NECESSARY.

SPECIFICATION NOTES

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

METAL SOFFIT PANELS
PROVIDE 22 GAGE GALVANIZED STEEL SHEET WITH MATCHING "J" TRIM. PROFILE: FLUSH WITH REVEAL.
12" O.C. PANEL WIDTH x 1" PANEL HEIGHT
EXTERIOR FINISH: 2-COAT FLUOROPOLYMER FINISH
COLOR AS SELECTED BY OWNER TO FROM MANUFACTURER'S STANDARD RANGE
BASIS OF DESIGN: PAC-CLAD FLUSH SOFFIT REVEAL PANEL OR COMPARABLE PRODUCT FROM THE FOLLOWING:
MBCI: A DIVISION OF NCI BUILDING SYSTEMS, L.P.
MCELROY METAL, INC
SEALANT: FACTORY APPLIED WITHIN INTERLOCKING JOINT

SEALANT
PROVIDE ONE-COMPONENT SILICONE SEALANT TO MATCH METAL SOFFIT PANELS

DIVISION 9 - FINISHES

PAINTING
PAINT HAS NOT BEEN TESTED FOR LEAD. CONTRACTOR HAS RESPONSIBILITY TO FOLLOW ALL ILLINOIS EPA AND OSHA REGULATIONS REGARDING PAINT REMOVAL, CONTAINMENT, AND DISPOSAL
REMOVE LOOSE, BLISTERED, OR OTHERWISE DEFECTIVE PAINT
SMOOTH EDGES WITH SANDPAPER
PRIME EXISTING GALVANIZED METAL DECK AND BEAMS WITH FACTORY-FORMULATED GALVANIZED METAL PRIMER FOR EXTERIOR APPLICATION
PRIME STEEL CHANNEL AT STAIR WITH ALKYD ANTI-CORROSION METAL PRIMER FOR EXTERIOR APPLICATION

DIVISION 10 - SPECIALTIES

BIRD DETERRENT NETTING
CONTRACT SHALL EMPLOY EXPERIENCED WORKMEN/WORKWOMEN WHO ARE FULLY QUALIFIED IN THE INSTALLATION OF THE BIRD DETERRENT NETTING, OR EMPLOY A COMPANY RECOMMENDED BY THE BIRD DETERRENT NETTING MANUFACTURER.
WARRANTY: 10-YEAR MANUFACTURER WARRANTY
MATERIAL: PROVIDE ULTRA-VIOLET STABILIZED HEAVY DUTY POLYETHYLENE PLASTIC NETTING
SIZE: 3/4" MESH OR SMALLER
COLOR: BLACK
CONSTRUCTION: 3x2 PLY
BREAKING STRENGTH: 50 POUNDS PER STRAND
NET SIZE: SIZE NET AS NECESSARY FOR EACH AREA WHERE NO SEAMS ARE USED
MOUNTING SYSTEM: USE CORNER BOLTS FOR STEEL DECKING AS RECOMMENDED BY MANUFACTURER. INSTALL INTERMEDIATE ATTACHMENTS AS RECOMMENDED BY MANUFACTURER, BUT NOT LESS THAN 24" O.C. FOR STRAIGHT AREAS AND 8" O.C. FOR CURVED AREAS. ALL HARDWARE TO BE GALVANIZED STEEL.
INSTALL SUSPENSION CABLE AS RECOMMENDED BY MANUFACTURER AFTER ALL MOUNTING HARDWARE HAS BEEN INSTALLED

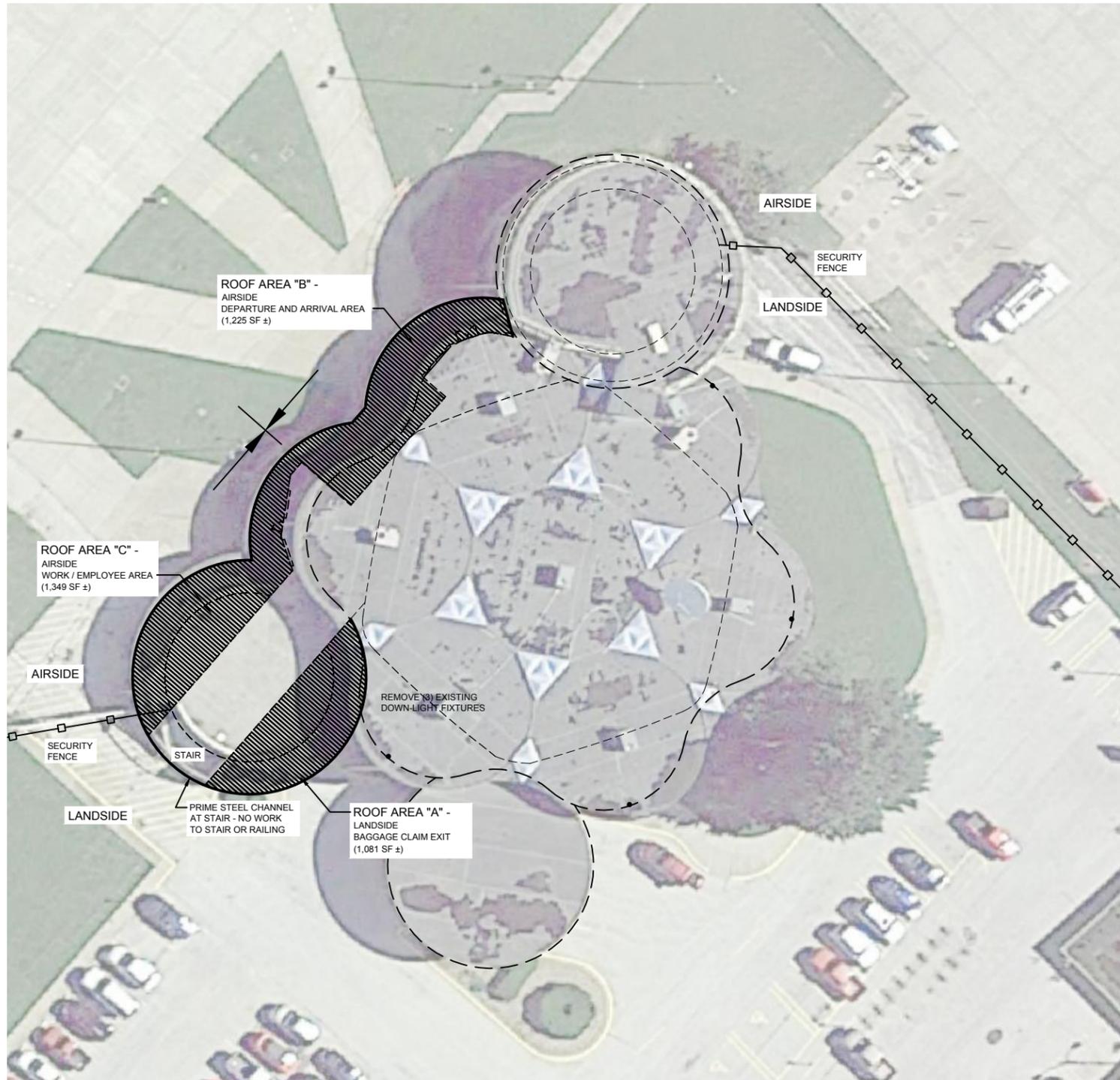
PREPARE SURFACE PROPERLY TO RECEIVE BIRD DETERRENT NETTING. REMOVE ALL DROPPINGS IN A SAFE MANNER.

INSTALL BIRD DETERRENT NETTING AS RECOMMENDED BY MANUFACTURER'S WRITTEN INSTRUCTIONS. INSTALLATION SHALL FIT AREA WITH NO GAPS OVER 1/2" AT EDGES.

USE MANUFACTURER STANDARD ACCESS OPENING FOR ALL LIGHT FIXTURES, DOWNSPOUT COVER PLATE AREAS, AND GARAGE CONTROLS

BASIS OF DESIGN: BIRD BARRIER AMERICA, INC. "STEALTH NET 3/4", SUSPENSION SYSTEM, AND ALL HARDWARE NECESSARY FOR A COMPLETE INSTALLATION OR COMPARABLE PRODUCT OF THE FOLLOWING:
BIRD-B-GONE, INC. BIRD NETTING 3/4" MESH AND SUSPENSION SYSTEM OR APPROVED EQUAL

INTERMEDIATE FASTENERS: PROVIDE GALVANIZED SELF-TAPPING SCREWS AND GALVANIZED FENDER WASHERS TO FURTHER SECURE BIRD DETERRENT NETTING TO METAL PAN. INSTALL AT 48" O.C. OR AS NOTED ON DETAILS.



AIRPORT TERMINAL AERIAL VIEW

SCALE: 1" = 20'-0" (FULL)
SCALE: 1" = 40'-0" (HALF)

NOTE: SQUARE FOOTAGES ESTIMATED FROM AERIAL PLAN - CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS BEFORE BEGINNING CONSTRUCTION

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DESIGN FIRM #184.2738



