

ITEM NO: 04A IDOT LETTING: JANUARY 17, 2025

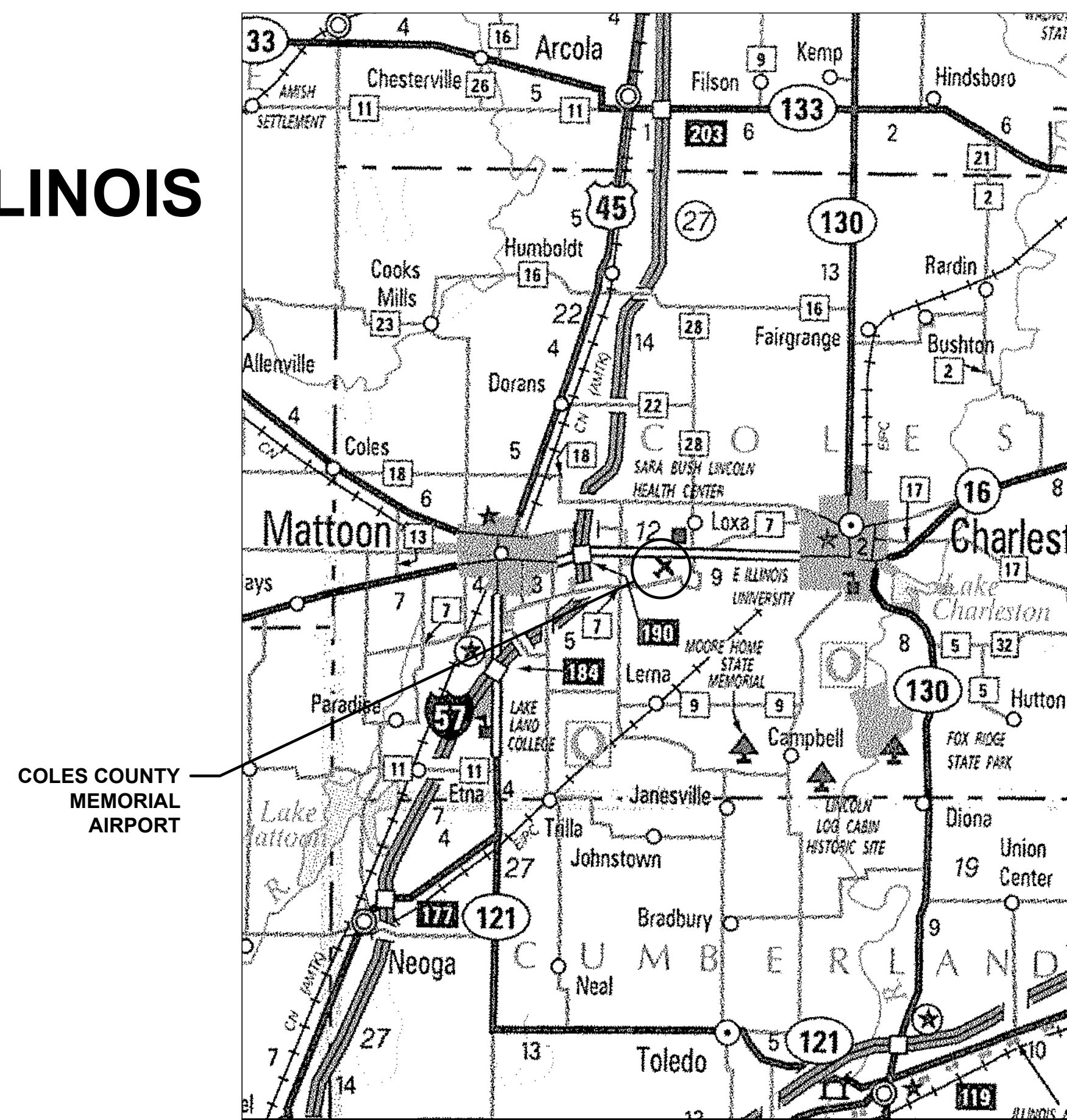
CONSTRUCTION PLANS

INSTALL CHAIN LINK FENCE BELOW GRADE ALONG WEST SIDE OF AIRFIELD PERIMETER FENCING FOR WILDLIFE MANAGEMENT

COLES COUNTY AIRPORT AUTHORITY
COLES COUNTY MEMORIAL AIRPORT (MTO)
MATTOON-CHARLESTON, COLES COUNTY, ILLINOIS

IDA PROJECT NO. MTO-5061
SBG PROJECT NO. 3-17-SBGP-TBD

NOVEMBER 22, 2024
(100% SUBMITTAL)



VICINITY MAP



LOCATION MAP

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.

I:\23\05823\001\10\CAD\AIRPORT\SHEETG-001-COV.DWG

No.	Issue/Description	Sheets Changed	Date	By

HANSON
HANSON PROFESSIONAL SERVICES INC.
1525 S. Sixth St.
Springfield, Illinois 62703
Telephone: 217.788.2450
Fax: 217.788.2503

Lindsay Hausman
Lindsay Hausman, P.E.
Project Engineer

LICENSURE PROFESSIONAL ENGINEER
LINDSAY DENET HAUSMAN
062-059464
STATE OF ILLINOIS

NOVEMBER 22, 2025
Date

COLES COUNTY AIRPORT AUTHORITY
COLES COUNTY MEMORIAL AIRPORT
432 Airport Road
Mattoon, Illinois 61938
Telephone: 217.234.7120
Fax: 217.234.7116

Andrew J. Pearn
Andrew J. Pearn
Airport Manager

NOVEMBER 22, 2025
Date

SCOPE OF WORK

PROJECT BASE BID CONSISTS OF INSTALLATION OF APPROXIMATELY 3,154 LF OF WILDLIFE DETERRENT FENCE SKIRTING AND FENCE MODIFICATIONS FOR DRAINAGE.

ADDITIVE ALTERNATE 1 - INCLUDES INSTALLATION OF APPROXIMATELY 1,361 LF OF WILDLIFE DETERRENT FENCE SKIRTING.

ADDITIVE ALTERNATE 2 - INCLUDES INSTALLATION OF APPROXIMATELY 1,290 LF OF WILDLIFE DETERRENT FENCE SKIRTING AND FENCE MODIFICATIONS FOR DRAINAGE.

GENERAL

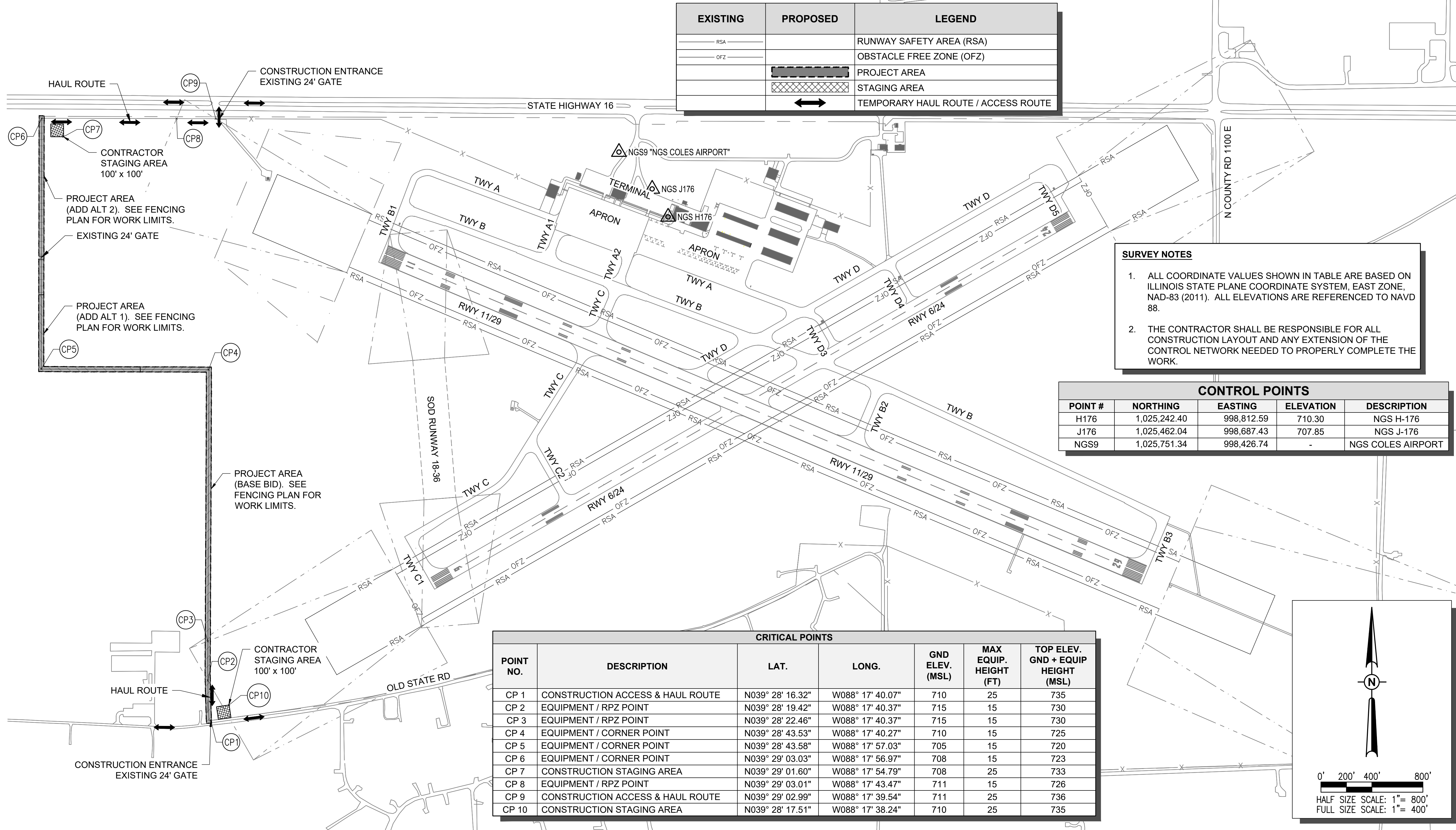
THE COLES COUNTY MEMORIAL AIRPORT IS A FAA PART 139, NON-TOWER CONTROLLED, GENERAL AVIATION AIRPORT COMPRISED OF TWO PAVED RUNWAYS AND ONE SOD SHORT TAKEOFF AND LANDING (STOL) RUNWAY. THE PROPOSED CONSTRUCTION WILL NOT REQUIRE THE CLOSURE OF ANY ACTIVE RUNWAYS OR TAXIWAYS.

CONSTRUCTION WILL NOT REQUIRE THE CLOSURE OF AIRPORT PAVEMENTS.

AIRFIELD SAFETY

- AIRFIELD SAFETY SHALL BE HELD PARAMOUNT AT ALL TIMES. ANY INDIVIDUALS RESPONSIBLE FOR INCURSIONS OR POTENTIAL INCURSIONS WITH AIR TRAFFIC DUE TO NON-COMPLIANCE WITH REQUIREMENTS SET FORTH IN THESE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, AND FAA ADVISORY CIRCULAR 150/5370-2 (CURRENT EDITION) WILL BE SUBJECT TO AN IMMEDIATE SUSPENSION OF DRIVING PRIVILEGES ON THE AIRPORT OR A COMPLETE RESTRICTION FROM ENTERING THE AIR OPERATIONS AREA ALTOGETHER. THE AIRPORT MANAGER OR RESIDENT ENGINEER/TECHNICIAN MAY STOP THE WORK AT ANY TIME THEY BELIEVE AIRFIELD SAFETY IS BEING COMPROMISED.
- AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. ONLY CONTRACTOR EMPLOYEES SHALL BE ALLOWED WITHIN THE PROJECT LIMITS. GATES SHALL BE CLOSED AND LOCKED AT ALL TIMES UNLESS THE CONTRACTOR IS IN A CONTINUOUS HAULING OPERATIONS, DURING WHICH TIME HE WILL PROVIDE A PERSON TO MONITOR THE GATE AREA.
- RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT WITH THE AIRPORT UNICOM (122.70 MHz) ANY TIME THERE ARE WORKERS OR EQUIPMENT ON THE AIRFIELD.

EXISTING	PROPOSED	LEGEND
---	---	RUNWAY SAFETY AREA (RSA)
---	---	OBSTACLE FREE ZONE (OFZ)
	▨	PROJECT AREA
	▩	STAGING AREA
	↔	TEMPORARY HAUL ROUTE / ACCESS ROUTE

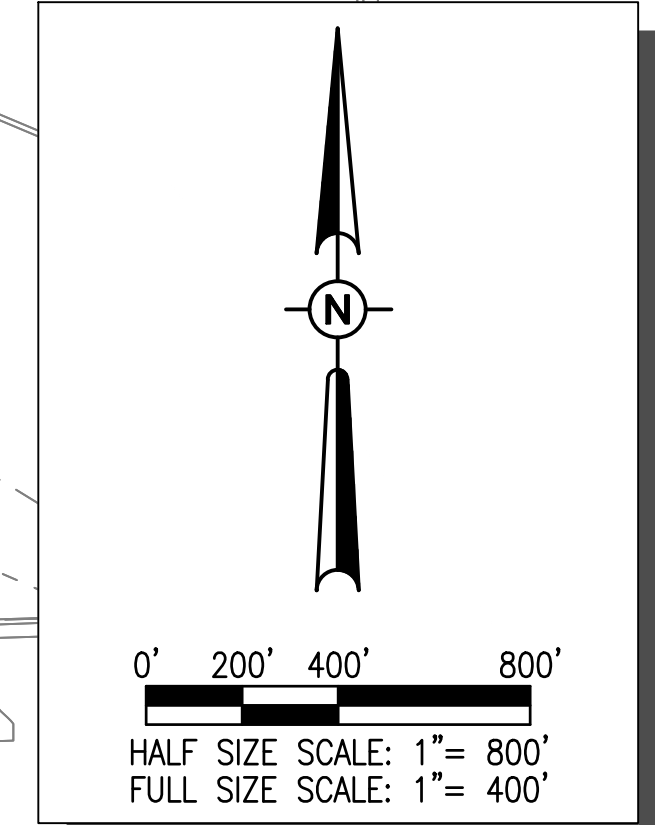


SURVEY NOTES

- ALL COORDINATE VALUES SHOWN IN TABLE ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD-83 (2011). ALL ELEVATIONS ARE REFERENCED TO NAVD 88.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND ANY EXTENSION OF THE CONTROL NETWORK NEEDED TO PROPERLY COMPLETE THE WORK.

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
H176	1,025,242.40	998,812.59	710.30	NGS H-176
J176	1,025,462.04	998,687.43	707.85	NGS J-176
NGS9	1,025,751.34	998,426.74	-	NGS COLES AIRPORT

POINT NO.	DESCRIPTION	LAT.	LONG.	GND ELEV. (MSL)	MAX EQUIP. HEIGHT (FT)	TOP ELEV. GND + EQUIP HEIGHT (MSL)
CP 1	CONSTRUCTION ACCESS & HAUL ROUTE	N039° 28' 16.32"	W088° 17' 40.07"	710	25	735
CP 2	EQUIPMENT / RPZ POINT	N039° 28' 19.42"	W088° 17' 40.37"	715	15	730
CP 3	EQUIPMENT / RPZ POINT	N039° 28' 22.46"	W088° 17' 40.37"	715	15	730
CP 4	EQUIPMENT / CORNER POINT	N039° 28' 43.53"	W088° 17' 40.27"	710	15	725
CP 5	EQUIPMENT / CORNER POINT	N039° 28' 43.58"	W088° 17' 57.03"	705	15	720
CP 6	EQUIPMENT / CORNER POINT	N039° 29' 03.03"	W088° 17' 56.97"	708	15	723
CP 7	CONSTRUCTION STAGING AREA	N039° 29' 01.60"	W088° 17' 54.79"	708	25	733
CP 8	EQUIPMENT / RPZ POINT	N039° 29' 03.01"	W088° 17' 43.47"	711	15	726
CP 9	CONSTRUCTION ACCESS & HAUL ROUTE	N039° 29' 02.99"	W088° 17' 39.54"	711	25	736
CP 10	CONSTRUCTION STAGING AREA	N039° 28' 17.51"	W088° 17' 38.24"	710	25	735



INSTALL FENCE SKIRTING ALONG WEST PERIMETER

IDA No: MTO-5061
SBG Project No: 3-17-SBGP-TBD
Contract No. CO071

NO.	DATE	DESCRIPTION

ISSUE: NOVEMBER 22, 2024
PROJECT NO: 23A0011D
CAD FILE: C-101-SOW.DWG
DESIGN BY: JAP 10/07/2024
DRAWN BY: JAP 10/07/2024
REVIEWED BY: LDH 10/21/2024

SHEET TITLE

SCOPE OF WORK

INSTALL FENCE SKIRTING ALONG WEST PERIMETER

IDA No: MTO-5061

SBG Project No:
3-17-SBGP-TBD

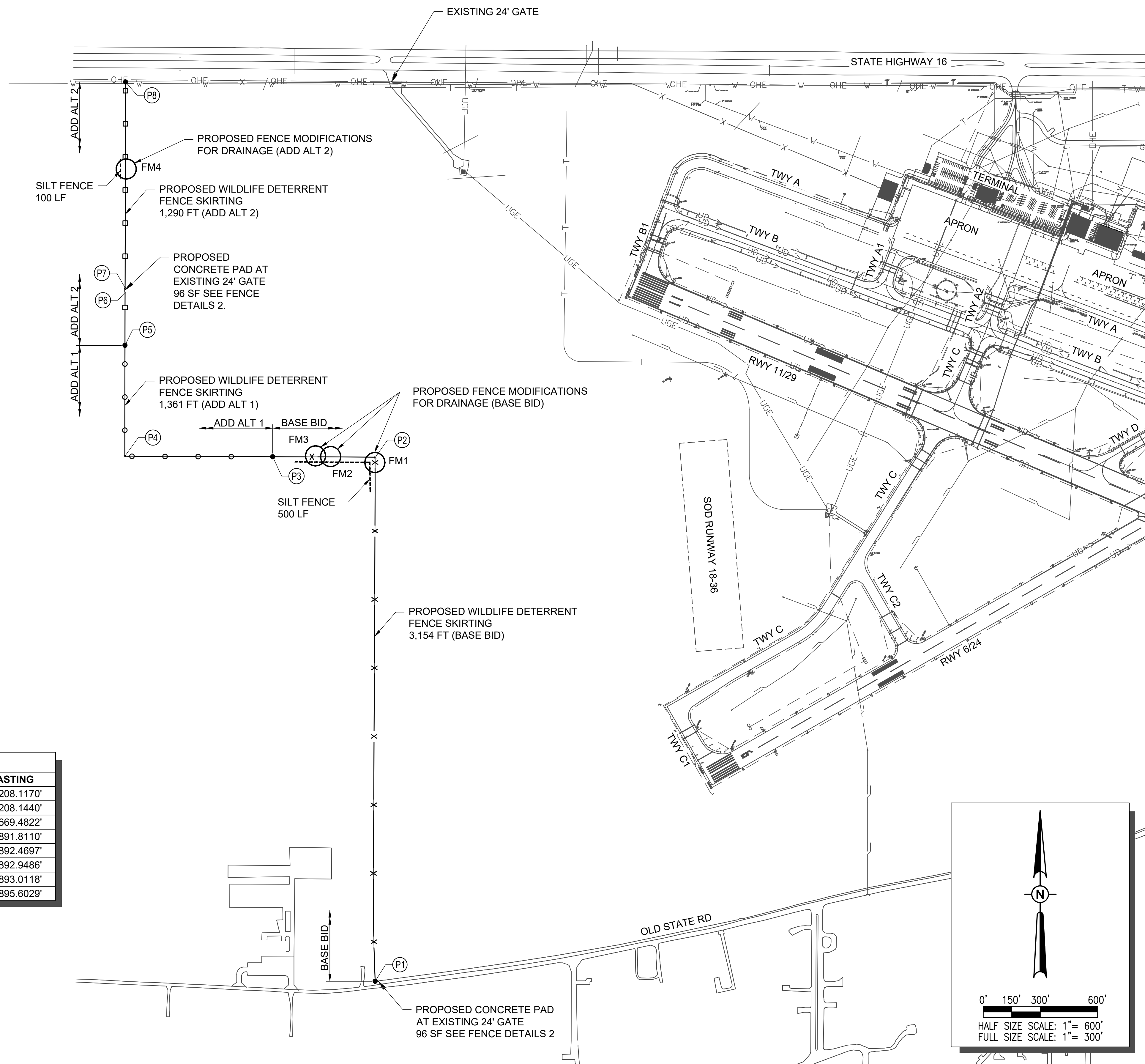
Contract No. CO071

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2024
PROJECT NO: 23A0011D
CAD FILE: C-102-CON.DWG
DESIGN BY: JAP 10/07/2024
DRAWN BY: JAP 10/07/2024
REVIEWED BY: LDH 10/21/2024

SHEET TITLE

FENCING PLAN



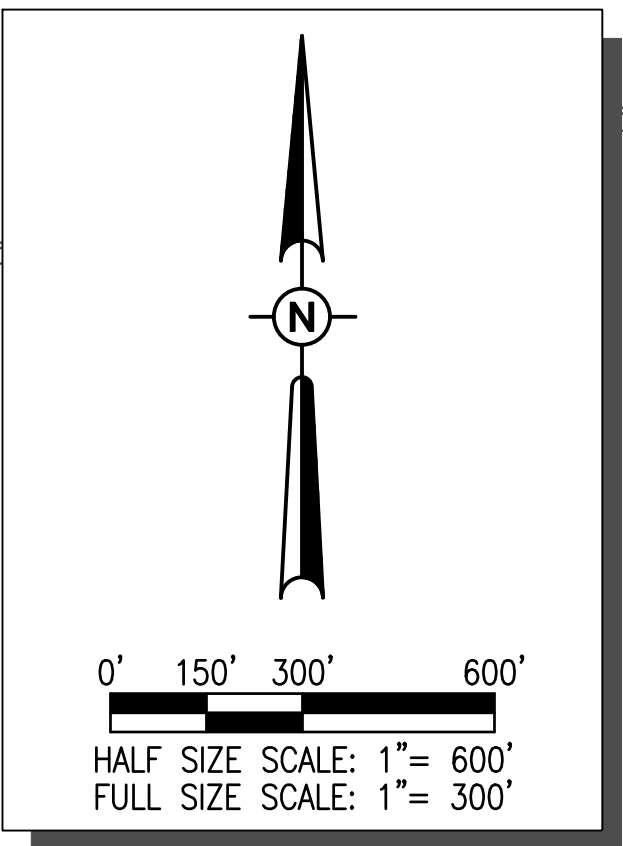
PROPOSED	LEGEND
— x —	WILDLIFE DETERRENT FENCE SKIRTING (BASE BID)
— o —	WILDLIFE DETERRENT FENCE SKIRTING (ADD ALT 1)
— □ —	WILDLIFE DETERRENT FENCE SKIRTING (ADD ALT 2)

NOTES

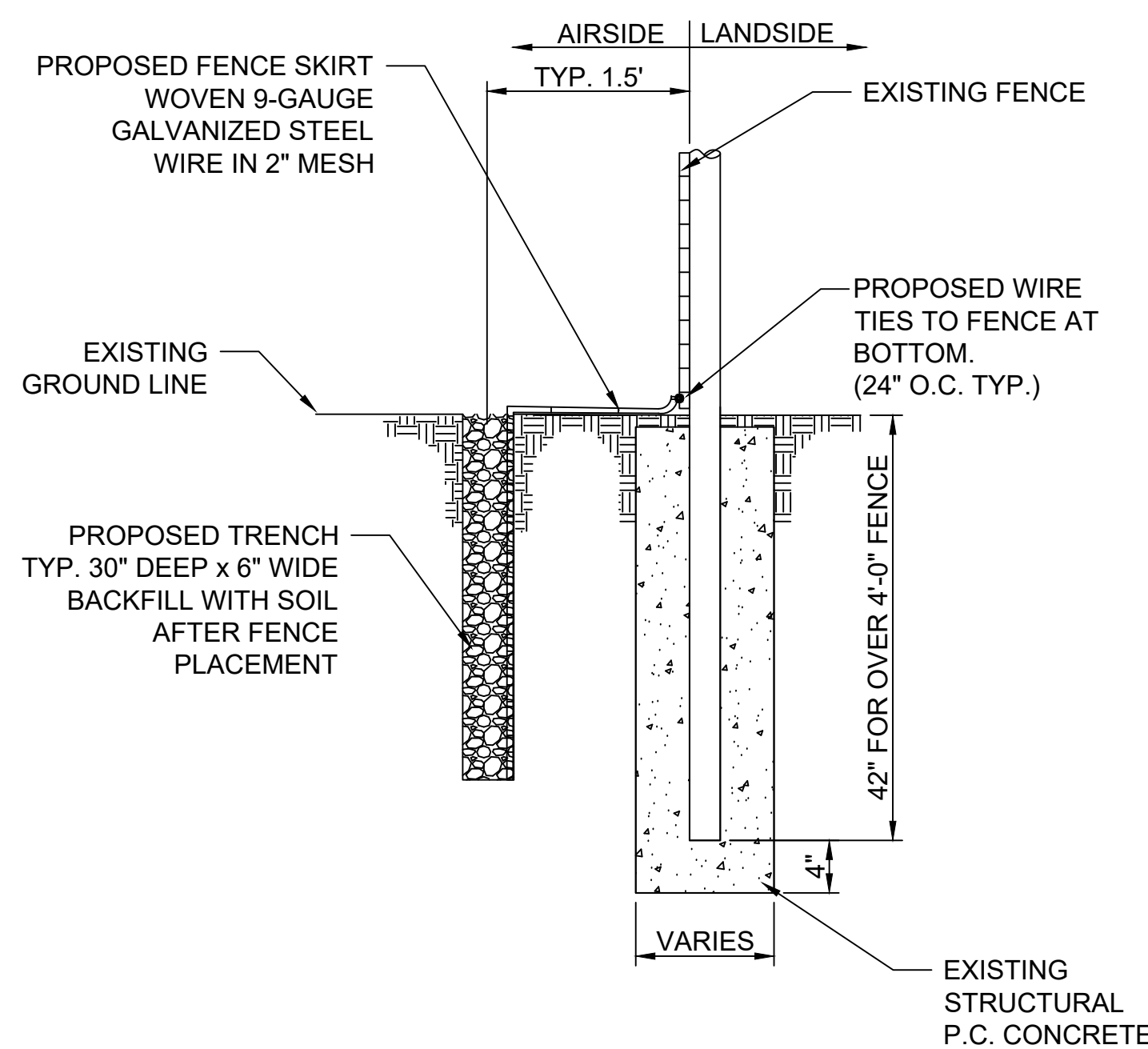
- SEE FENCE DETAILS FOR PLACEMENT OF WILDLIFE DETERRENT FENCE SKIRTING AND FENCE MODIFICATIONS FOR DRAINAGE.
- SEE EROSION CONTROL DETAILS FOR PLACEMENT OF SILT FENCE.

FENCE MODIFICATION AREAS				
FENCE AREA	LENGTH OF AREA ALONG FENCE (FT)	ADDITIONAL DEPTH OF FABRIC (FT)	RIPRAP AREAS (SY)	NOTES
FM1	50	2	125	BASE BID
FM2	50	2	125	BASE BID
FM3	40	2	100	BASE BID
FM4	70	2	175	ADD ALT 2

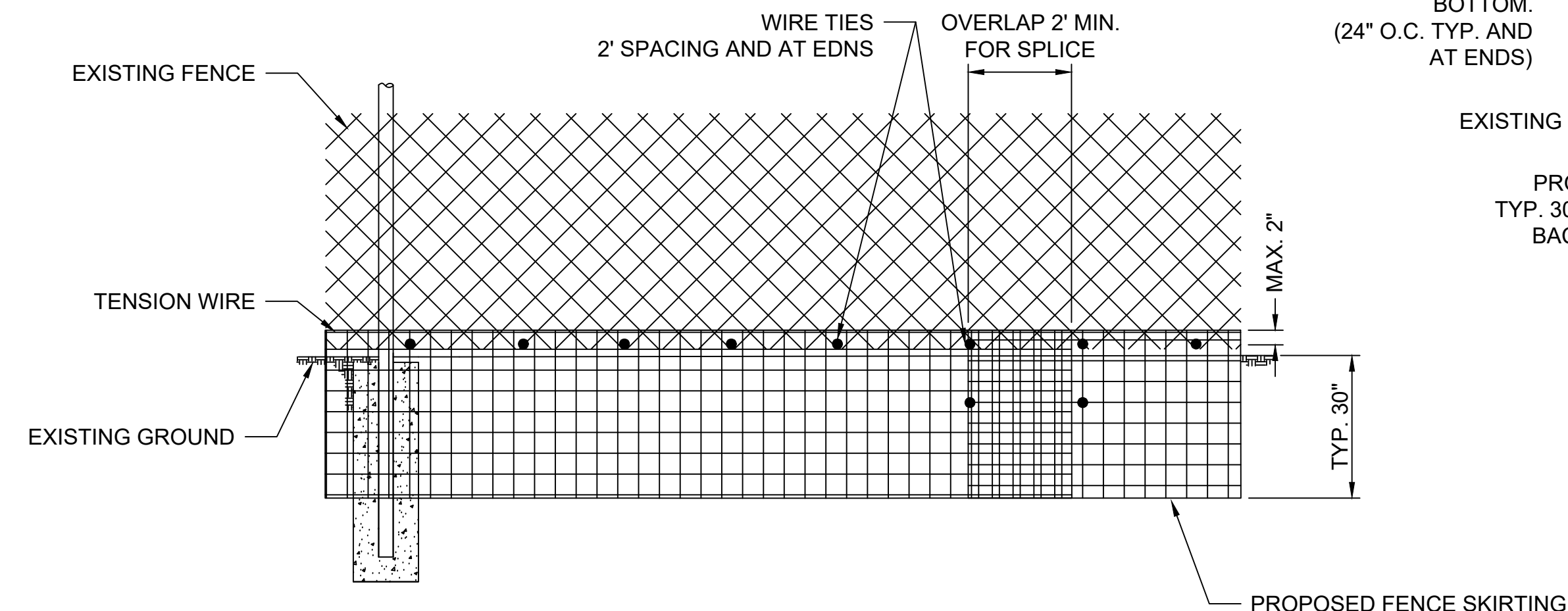
CONSTRUCTION POINTS			
POINT NO.	DESCRIPTION	NORTHING	EASTING
P1	BEGIN BASE BID CONSTRUCTION	1021288.4880'	995208.1170'
P2	CORNER POINT	1024042.1480'	995208.1440'
P3	END BASE BID CONSTRUCTION / BEGIN ADD ALT 1	1024045.7252'	994669.4822'
P4	CORNER POINT	1024048.8480'	993891.8110'
P5	END ADD ALT 1 CONSTRUCTION / BEGIN ADD ALT 2	1024631.4779'	993892.4697'
P6	STOP ADD ALT 2 CONSTRUCTION AT GATE	1024908.9889'	993892.9486'
P7	RESTART ADD ALT 2 CONSTRUCTION	1024934.1824'	993893.0118'
P8	END ADD ALT 2 CONSTRUCTION	1026016.1789'	993895.6029'



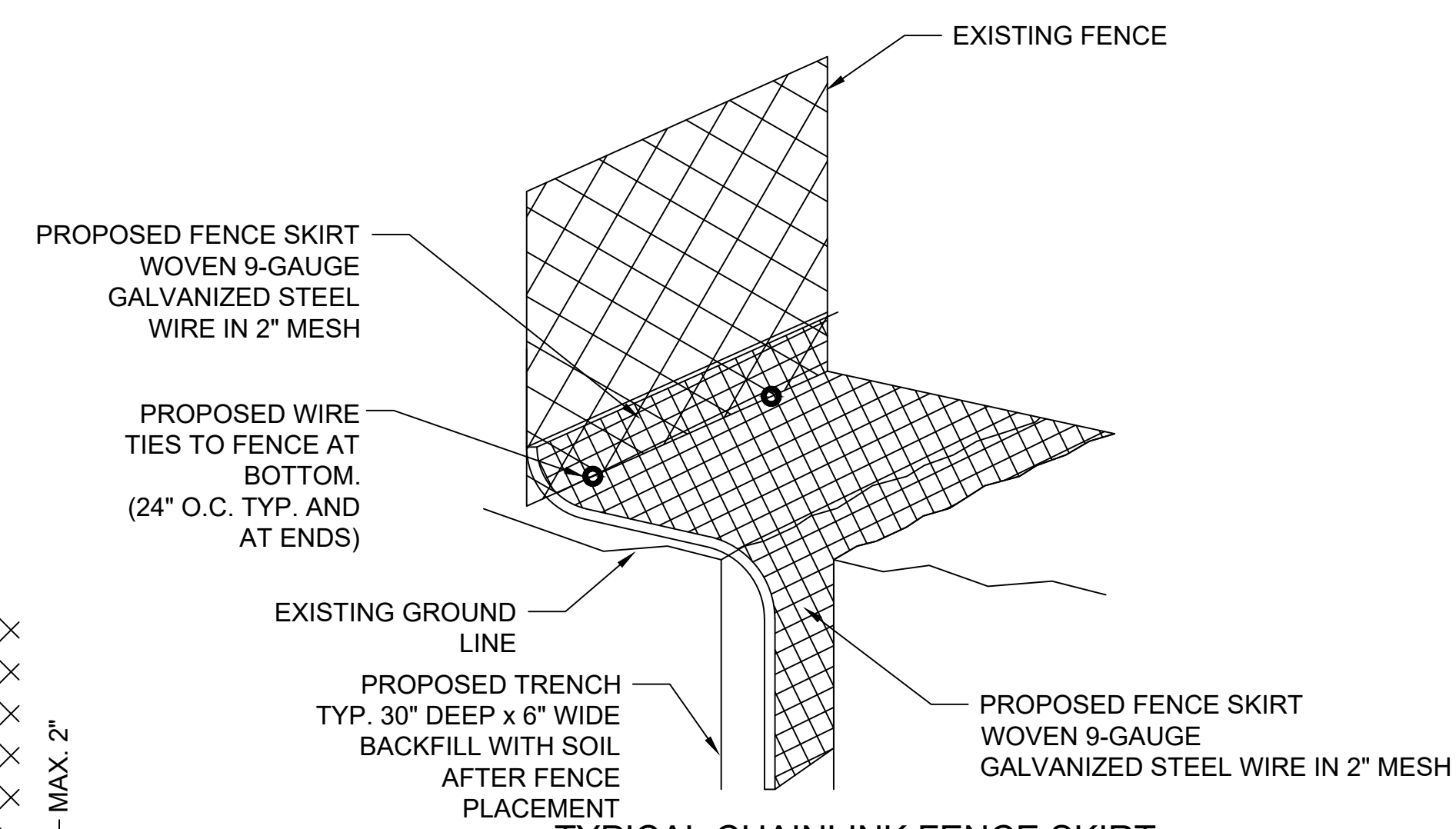
NOV 26, 2024 5:15 PM HALUSM00682 1:23:JOBS\23A001\DCAD\AIRPORT\REPORTSHEET\C-102-CON.DWG



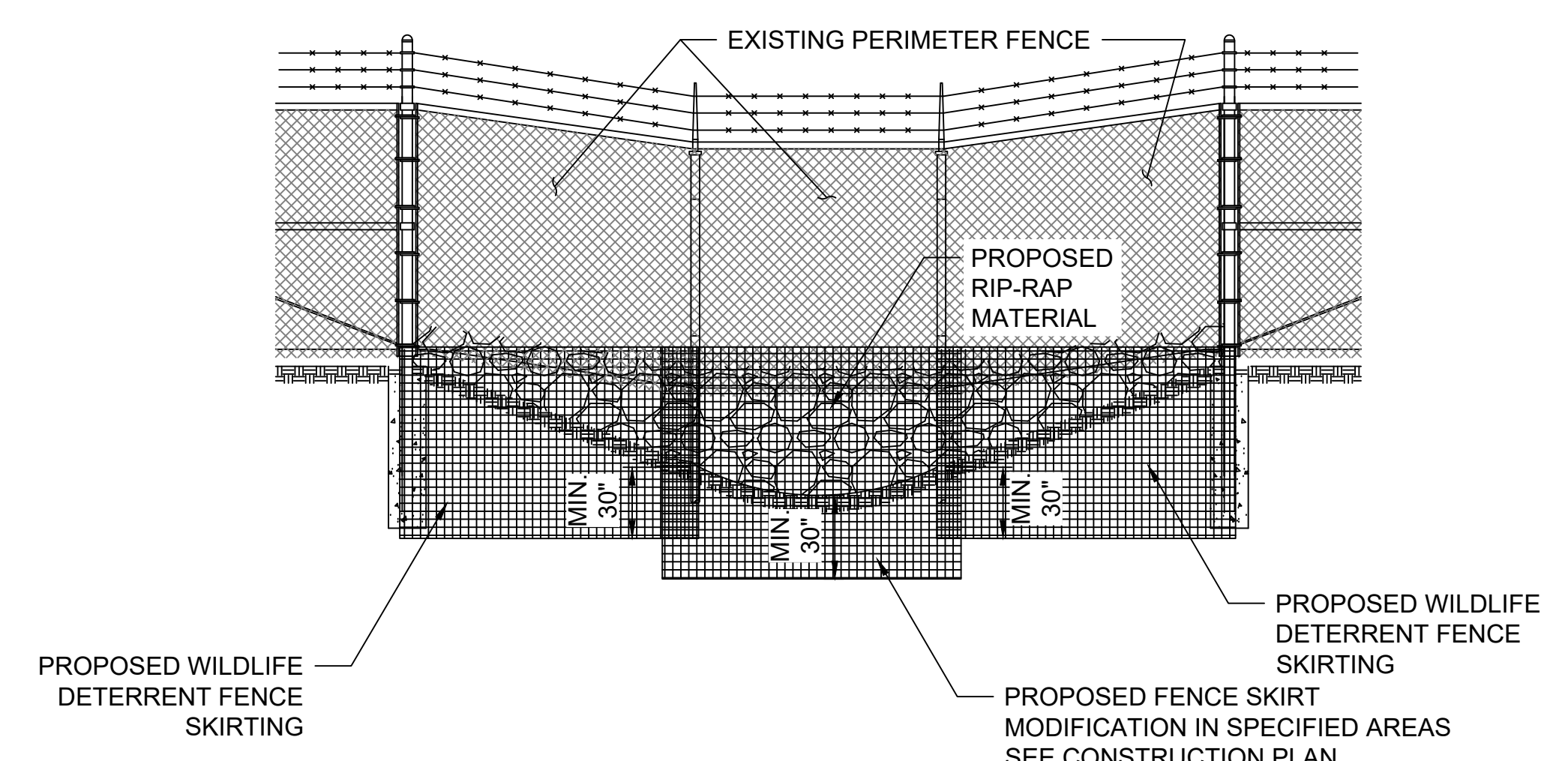
**TYPICAL CHAINLINK
FENCE SKIRT
INSTALLATION DETAILS**
NOT TO SCALE



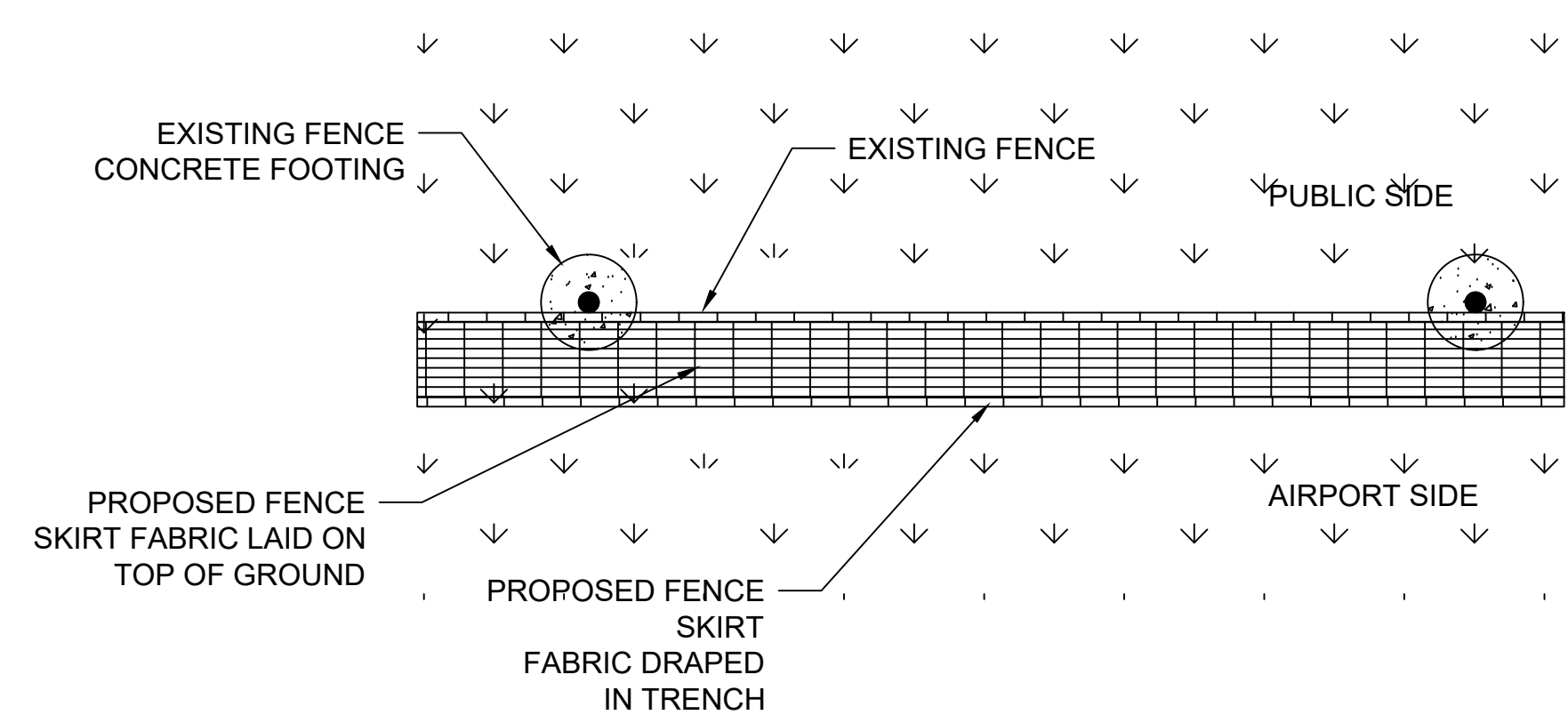
**TYPICAL EXISTING FENCE SECTION WITH
CHAINLINK FENCE SKIRTING**
NOT TO SCALE
SOME ITEMS OMITTED FOR CLARITY



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



**FENCE SKIRTING MODIFICATION AND
RIP-RAP INSTALLATION DETAIL**
NOT TO SCALE



**TYPICAL CHAINLINK FENCE SKIRT
PLAN VIEW**
NOT TO SCALE

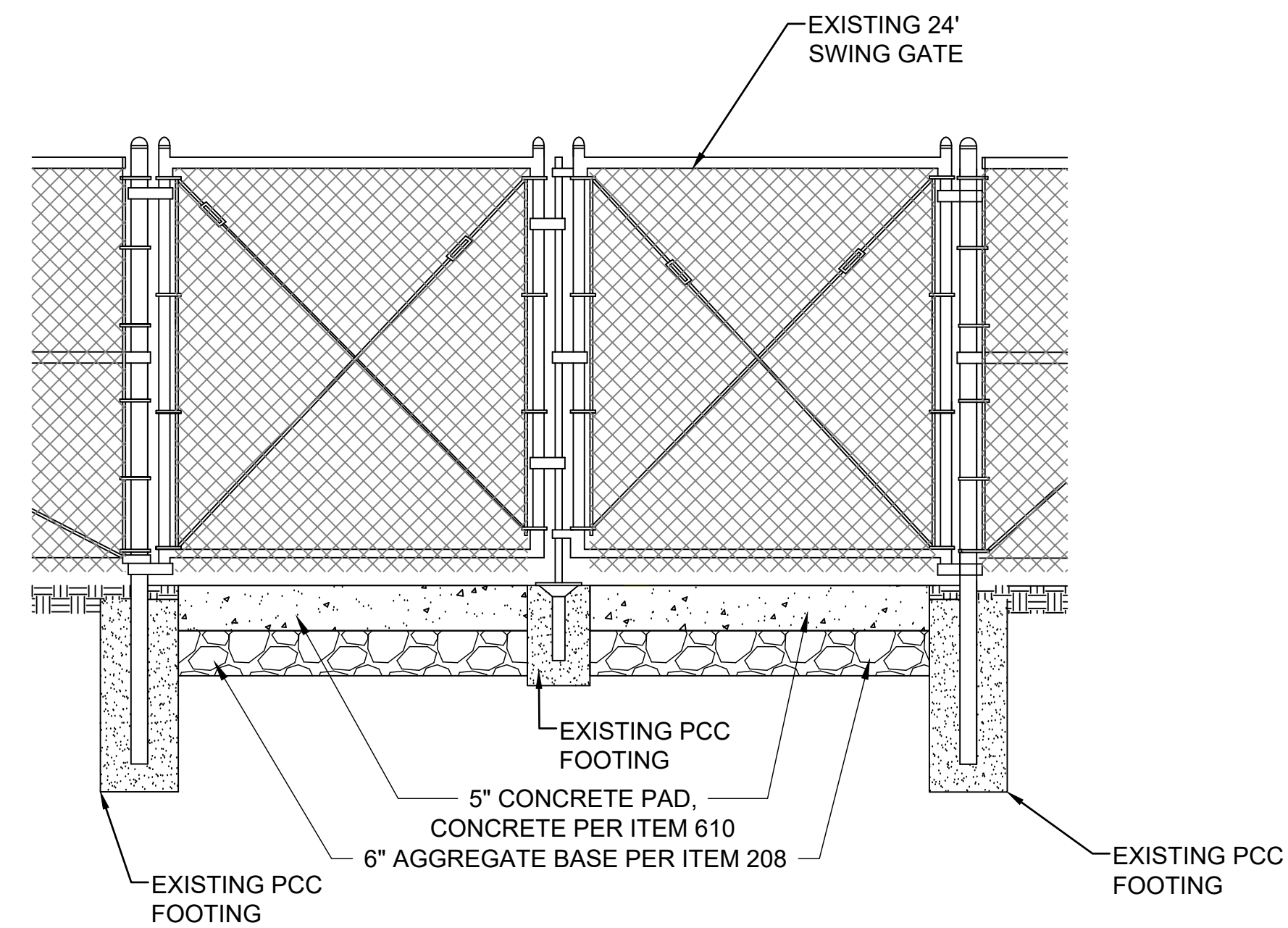
**INSTALL FENCE
SKIRTING ALONG
WEST PERIMETER**

IDA No: MTO-5061
SBG Project No:
3-17-SBGP-TBD
Contract No. CO071

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

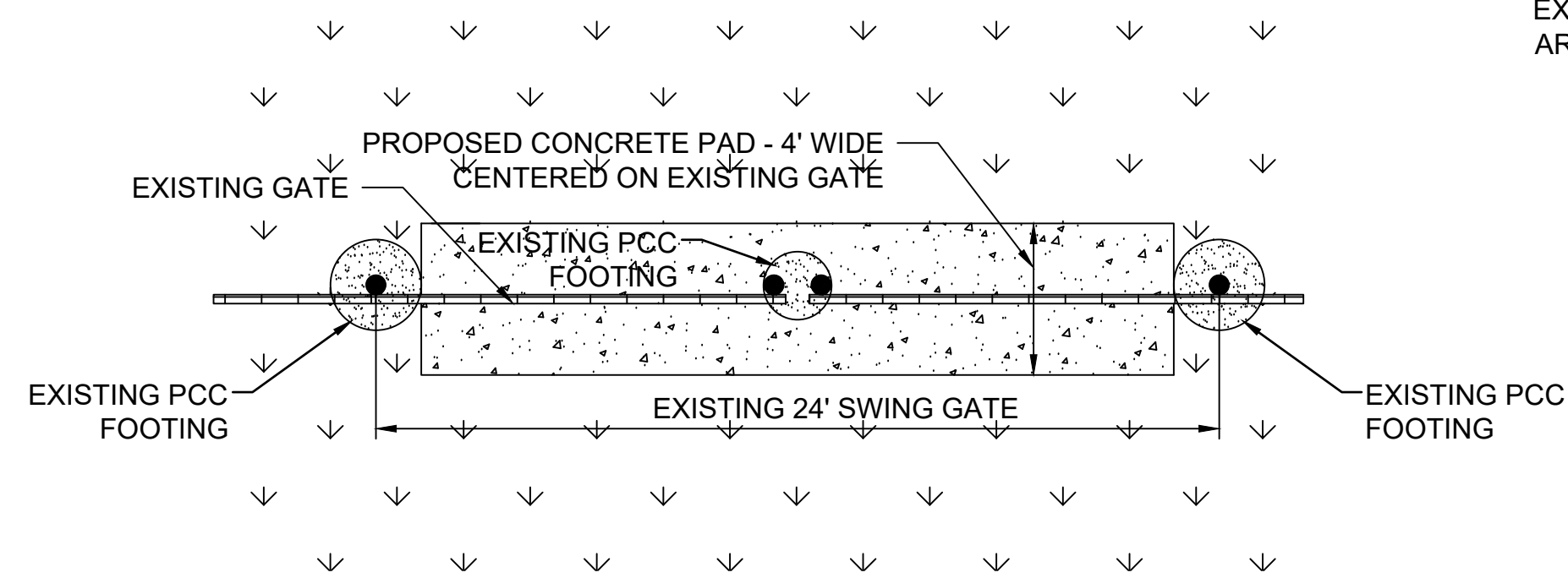
SHEET TITLE

FENCE DETAILS 1



**CONCRETE PAD AT GATE
DETAIL**
NOT TO SCALE

NOTE:
ALL WORK ITEMS INCLUDING BUT NOT LIMITED TO
EXCAVATION, AGGREGATE PLACEMENT, AND CONCRETE
ARE INCLUDED IN ITEM 803023 CONCRETE PAD AT GATE.



**CONCRETE PAD AT GATE
PLAN VIEW**
NOT TO SCALE

INSTALL FENCE
SKIRTING ALONG
WEST PERIMETER

IDA No: MTO-5061

SBG Project No:
3-17-SBGP-TBD

Contract No. CO071

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2024

PROJECT NO: 23A0011D

CAD FILE: C-551-FEN.DWG

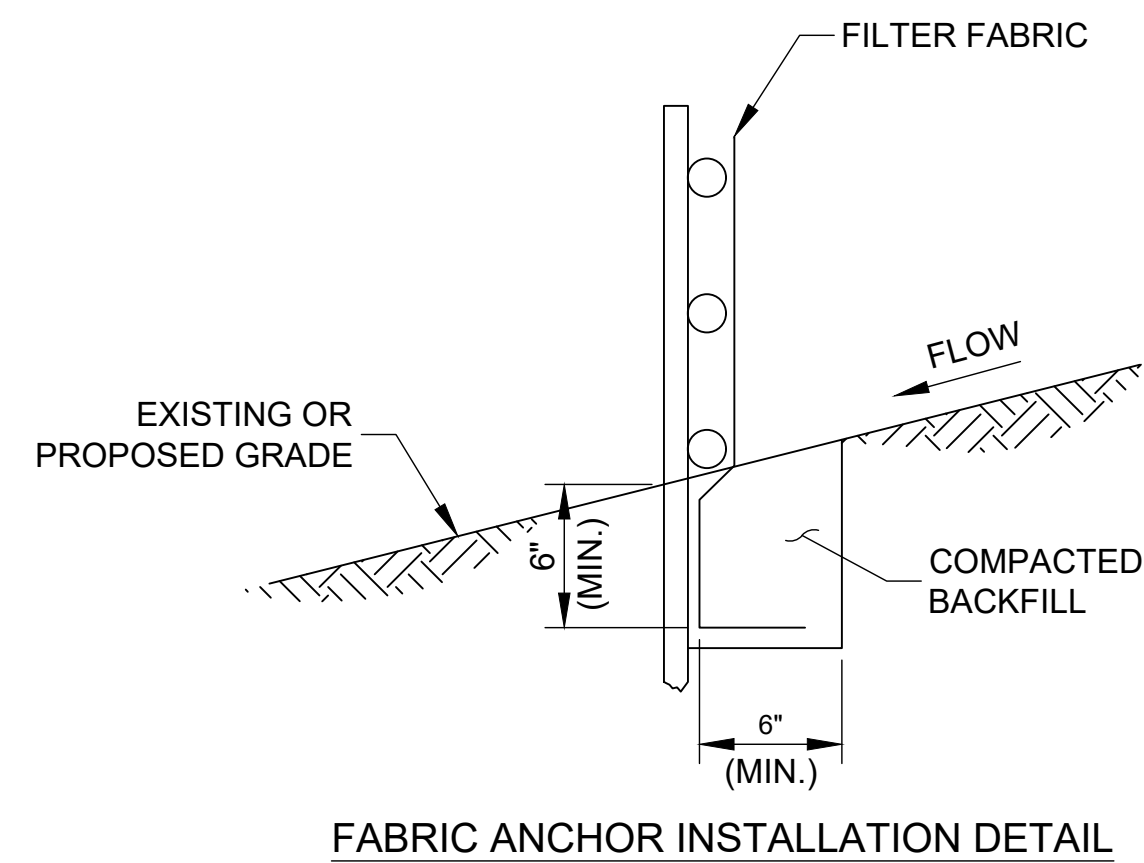
DESIGN BY: JAP 10/07/2024

DRAWN BY: JAP 10/07/2024

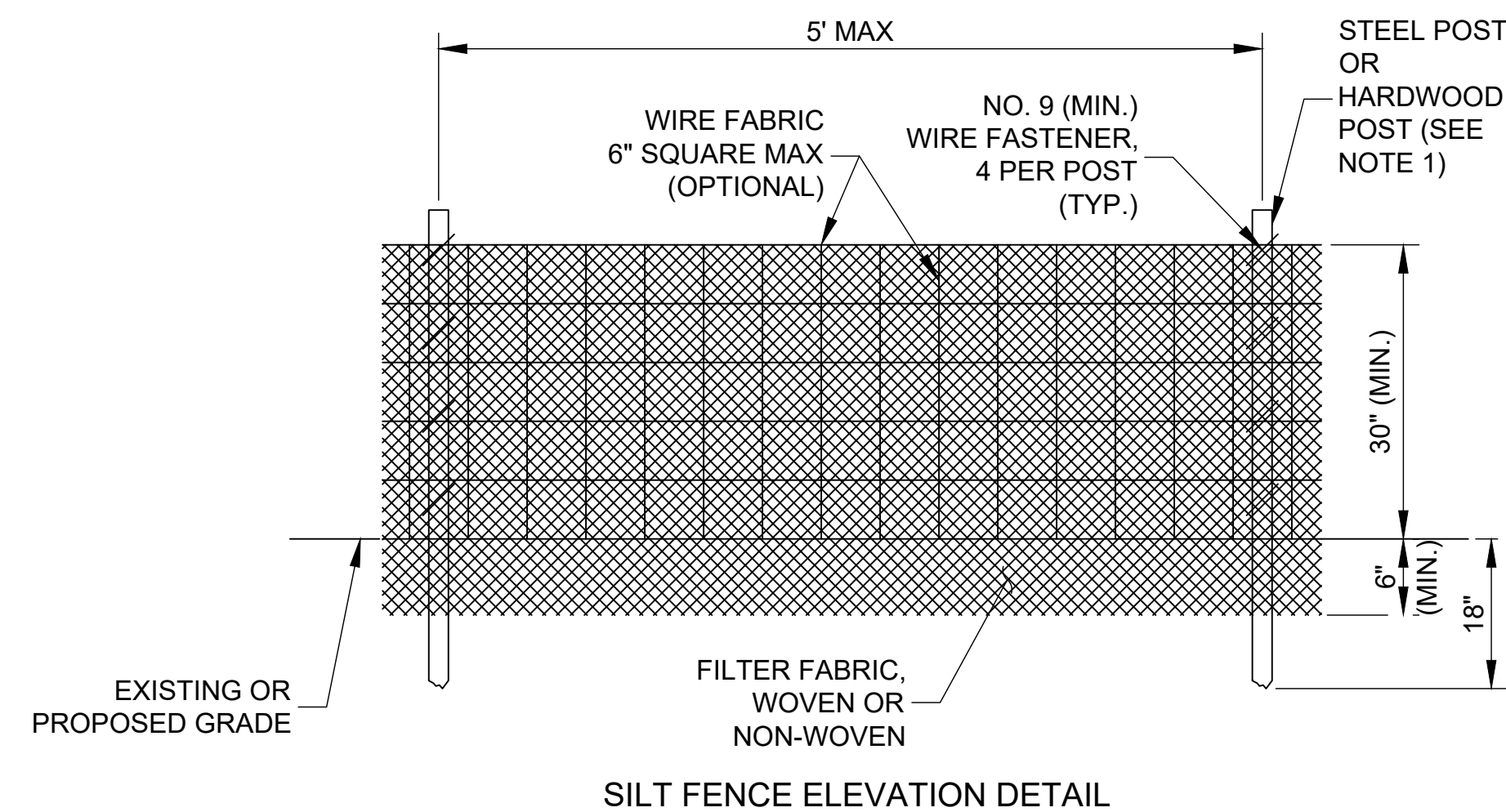
REVIEWED BY: LDH 10/21/2024

SHEET TITLE

FENCE DETAILS 2



FABRIC ANCHOR INSTALLATION DETAIL



SILT FENCE ELEVATION DETAIL

ELEVATION

NOTES:

- FENCE POST SHALL BE EITHER STEEL "T" LINE POST OR HARDWOOD POST WITH A MINIMUM SECTIONAL AREA OF 2.0 SQUARE INCHES. A CARPENTER'S (NOMINAL) 2"x2" POST WILL MEET SPECIFICATIONS.
- TOP AND BOTTOM WIRE OF WIRE FABRIC SHALL BE MINIMUM GAGE NO. 9. INTERMEDIATE WIRES OF THE WIRE FABRIC SHALL BE MINIMUM GAGE NO. 11.
- WIRE FABRIC SHALL BE SECURELY FASTENED TO FENCE POSTS WITH NO. 9 GAGE WIRE MINIMUM. FOUR (4) FASTENERS PER POST REQUIRED.
- FILTER FABRIC SHALL BE SECURELY FASTENED TO WIRE FABRIC AND POSTS WITH TIES OR STAPLES SPACED AT 12" APART AT THE TOP, MIDDLE AND BOTTOM.
- WHEN TWO SECTIONS OF FILTER FABRIC MEET, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED AND ATTACHED TO THE WIRE FABRIC AT A POST.
- FILTER FABRIC SHALL BE IN ACCORDANCE WITH SPECIAL PROVISIONS WITH APPARENT OPENING SIZE (AOS) OF AT LEAST 40 FOR NONWOVEN AND WOVEN. THE FABRIC MUST MEET THE APPLICABLE STANDARDS OF AASHTO 288-00 (Article IV, Section B.1.j.1.f.i, AS AMENDED), OR EQUIVALENT.
- A MAXIMUM OF 5 FEET IS USED FOR POST-TO-POST SPACING.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. PERIODIC INSPECTION SHALL BE PERFORMED AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED AND REPLACED WHEN BULGES DEVELOP IN THE SILT FENCE.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).
- FENCE POSTS SHALL BE REMOVED WHEN DIRECTED AT PROJECT END.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

INSTALL FENCE
SKIRTING ALONG
WEST PERIMETER

IDA No: MTO-5061
SBG Project No:
3-17-SBGP-TBD
Contract No. CO071

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 22, 2024
PROJECT NO: 23A0011D
CAD FILE: C-571-FEN.DWG
DESIGN BY: JAP 10/07/2024
DRAWN BY: JAP 10/07/2024
REVIEWED BY: LDH 10/21/2024

SHEET TITLE

EROSION CONTROL
DETAILS