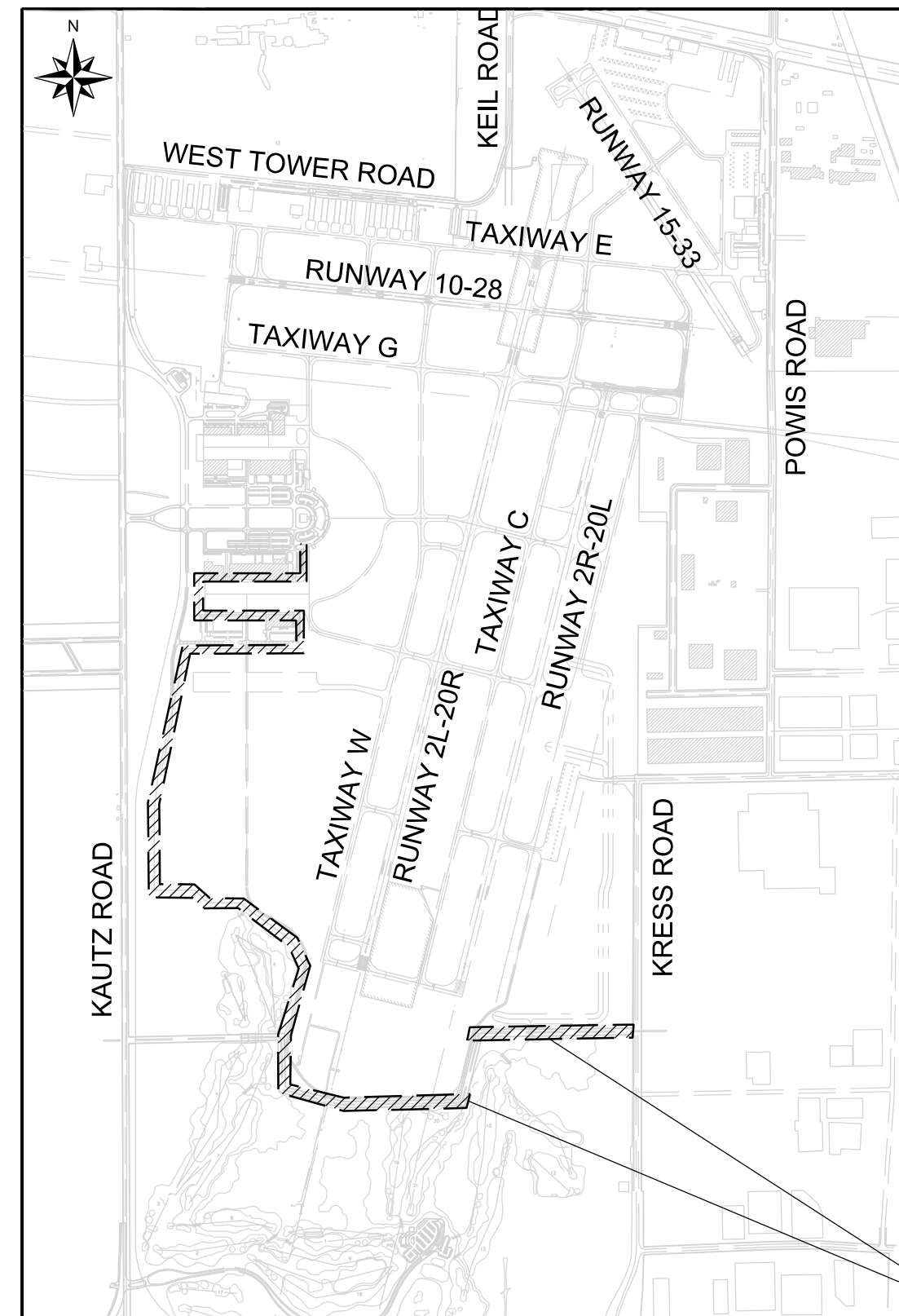


DUPAGE AIRPORT AUTHORITY WEST CHICAGO, ILLINOIS

100% SUBMITTAL FOR DUPAGE AIRPORT

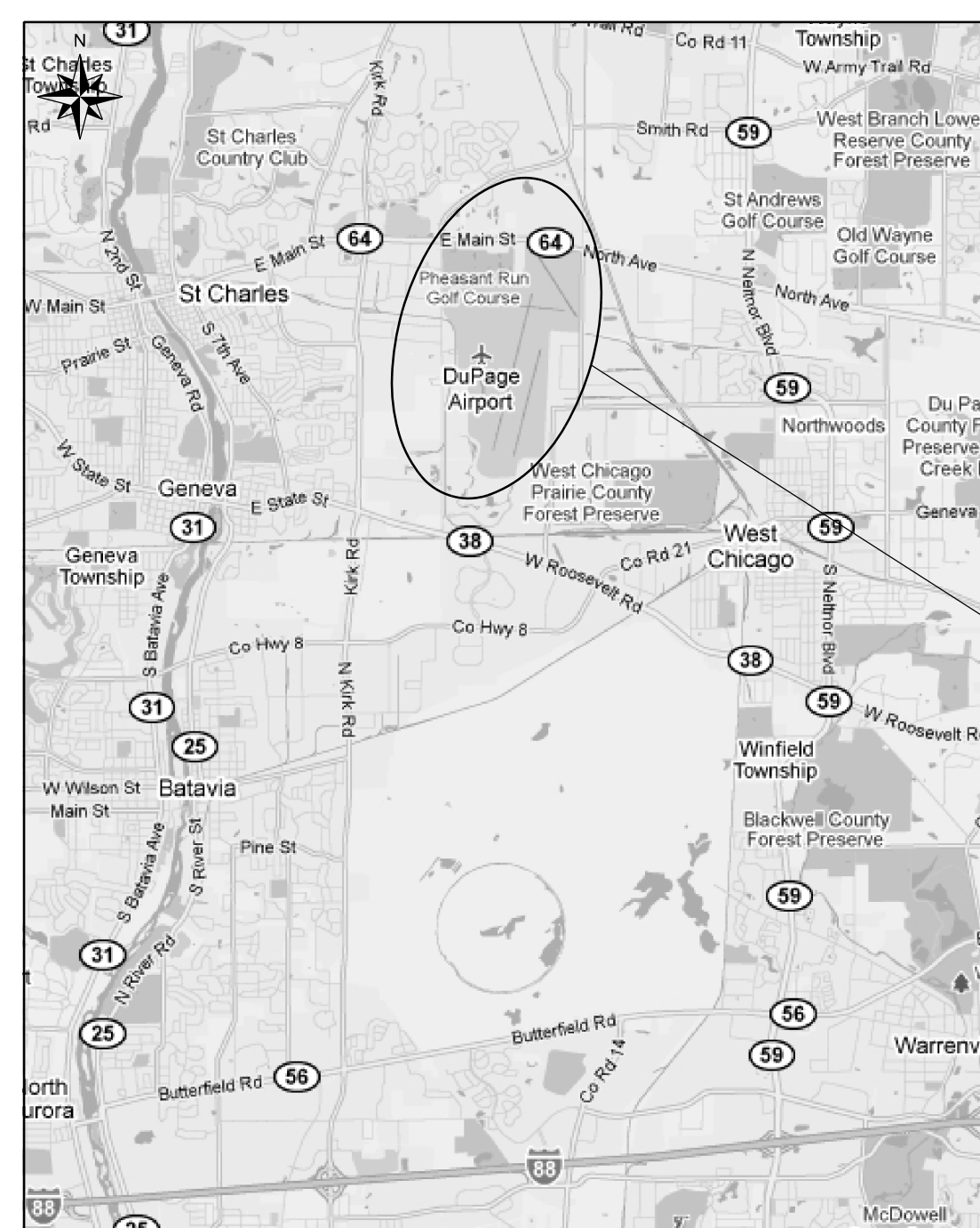
PHASE II - UPGRADE WILDLIFE HAZARD FENCING ON SOUTHERN AND WESTERN BOUNDARIES



SITE PLAN

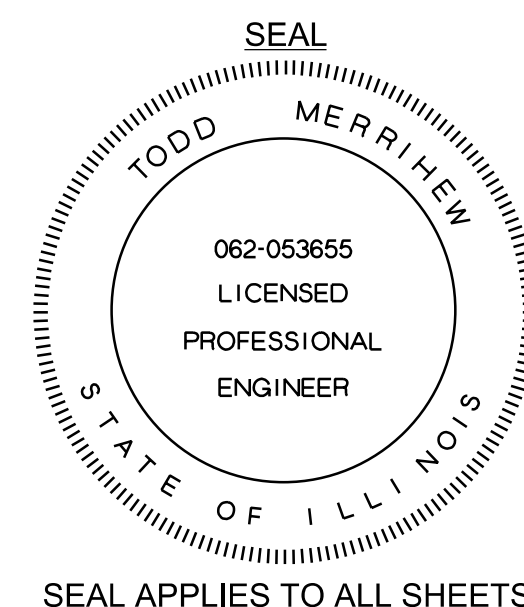
PROJECT
LOCATION
PHASE

**ILLINOIS PROJECT: DPA-4773
FEDERAL PROJECT: 3-17-SBGP-139/156
LETTING DATE: APRIL 23, 2021
ISSUE DATE: FEBRUARY 26, 2021**



LOCATION MAP

PROJECT
LOCATION



SEAL APPLIES TO ALL SHEETS

Todd Merrihew
SIGNED: Todd Merrihew
CH2M
LICENSE: 062-053655
EXPIRES: 11/30/2021
DATE: 02/26/2021

Mark Doles
SIGNED: Mark Doles
EXECUTIVE DIRECTOR
DUPAGE AIRPORT AUTHORITY
DATE: 02/26/2021

DRAWING NO.	SHEET NO	DESCRIPTION
G-100	1	COVER
G-101	2	SUMMARY OF QUANTITIES AND ABBREVIATIONS
G-102	3	GENERAL AND SECURITY NOTES
G-103	4	PROJECT LOCATION PLAN
G-104	5	CONTRACTOR STAGING AND ACCESS ROUTE PLAN
G-105	6	CONSTRUCTION SAFETY / PHASING PLAN 1
G-106	7	CONSTRUCTION SAFETY / PHASING PLAN 2
G-201	8	CONSTRUCTION SAFETY / PHASING PLAN DETAILS 1
G-202	9	CONSTRUCTION SAFETY / PHASING PLAN DETAILS 2
G-203	10	CONSTRUCTION SAFETY / PHASING PLAN DETAILS 3
G-204	11	CONSTRUCTION SAFETY / PHASING PLAN DETAILS 4
G-205	12	CONSTRUCTION SAFETY / PHASING PLAN DETAILS 5
C-200	13	FENCING NOTES AND GATE SCHEDULE
C-201	14	FENCING PLAN 1
C-202	15	FENCING PLAN 2
C-203	16	FENCING PLAN 3
C-204	17	FENCING PLAN 4
C-501	18	FENCE DETAILS 1
C-502	19	FENCE DETAILS 2
C-503	20	FENCE DETAILS 3
C-504	21	FENCE DETAILS 4
CG-100	22	STORMWATER POLLUTION PREVENTION PLAN 1
CG-101	23	STORMWATER POLLUTION PREVENTION PLAN 2
CG-102	24	STORMWATER POLLUTION PREVENTION PLAN 3
CG-103	25	STORMWATER POLLUTION PREVENTION PLAN 4
CG-104	26	STORMWATER POLLUTION PREVENTION PLAN DETAILS

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SUMMARY OF QUANTITIES

SUMMARY - ALL ITEMS				BASE BID
ITEM NO.	PAY ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY
1	AR150520	MOBILIZATION	LS	1
2	AR150530	TRAFFIC MAINTENANCE	LS	1
3	AR152410	UNCLASSIFIED EXCAVATION	CY	512
4	AR152460	TOPSOIL STRIPPING	CY	894
5	AR156510	SILT FENCE	LF	3,811
6	AR156515	STRAW WATTLE	LF	820
7	AR156520	INLET PROTECTION	EA	22
8	AR162216	CLASS E MANUAL SLIDE GATE - 16'	EA	3
9	AR162224	CLASS E MANUAL SLIDE GATE - 24'	EA	2
10	AR162508	CLASS E FENCE 8'	LF	10,147
11	AR162608	CLASS E GATE - 8'	EA	1
12	AR162610	CLASS E GATE - 10'	EA	2
13	AR162712	ELECTRIC GATE - 12'	EA	1
14	AR162716	ELECTRIC GATE - 16'	EA	1
15	AR162900	REMOVE CLASS E FENCE	LF	9,433

SUMMARY - ALL ITEMS				BASE BID
ITEM NO.	PAY ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY
16	AR162908	REMOVE ELECTRIC GATE	EA	2
17	AR162910	REMOVE CLASS E GATE	EA	2
18	AR162920	REMOVE MANUAL SLIDE GATE	EA	3
19	AR162948	ADJUST ELECTRIC GATE	EA	2
20	AR209606	CRUSHED AGG BASE COURSE - 6"	SY	5,367
21	AR801759	WILDLIFE DETERRENT BARRIER	LF	12,072
22	AR801760	CONCRETE PAD AT GATES	CY	12
23	AR801762	BARBED WIRE 3 STRANDS	LF	12,565
24	AR901510	SEEDING	AC	1.9
25	AR908510	MULCHING	AC	1.9
26	AS162401	VINYL FENCE UPGRADE	LF	10,287

NOTE:
ALL PAY ITEMS INCLUDED IN THE PLAN SUMMARY OF QUANTITY TABLE ARE SHOWN WITH AN "AR" DESIGNATION (EXAMPLE ITEM AR162905 GATE REMOVAL) WHICH INDICATES A BASE BID PAY ITEM AND QUANTITY.
ADDITIVE ALTERNATE PAY ITEMS SHALL BE DESIGNATED BY "AS" CORRESPONDING TO ADDITIVE ALTERNATE 1.

BID ADDITIVES:
BID ADDITIVE 1 - QUANTITIES ARE REPRESENTATIVE OF ADDING VINYL COATING TO THE PROPOSED FENCE AND GATES.

ABBREVIATIONS:

AB	AGGREGATE BASE
ABV	ABOVE
A/C	ACCESS CONTROL
AC	ACRES
ADJ	ADJUST
AGG	AGGREGATE
AGS	AUXILIARY GAS VALVE
ALD	AIRFIELD LIGHTING DUCT
ALSF	APPROACH LIGHTING SEQUENCE FLASHERS
ARFF	AIRPORT RESCUE AND FIRE FIGHTING
AS	AERIAL SURVEYS
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AUX	AUXILIARY
AVE.	AVENUE
ATCT	AIR TRAFFIC CONTROL TOWER
AX	AXIS OF ROTATION
B-B	BACK TO BACK
BLVD	BOULEVARD
BM	BENCHMARK
BV	BALL VALVE
CL	CENTERLINE
CB	CATCH BASIN
CC	CENTER TO CENTER
CED	COMBINED / COMMON ELECTRICAL DUCTBANK
CI	CAST IRON
CM	CONSTRUCTION MANAGER
CMH	COMMUNICATION MANHOLE
CMP	CORRUGATED METAL PIPE
COMED	COMMONWEALTH EDISON
COMM	COMMUNICATIONS
CONC	CONCRETE
C.Y.	CUBIC YARD
CSPN	CARGO SITE PREP NORTH
DAA	DUPAGE AIRPORT AUTHORITY
DET	DETAIL
DIA.	DIAMETER
DIP	DUCTILE IRON PIPE
DME	DISTANCE MEASURING EQUIPMENT
DOA	DEPARTMENT OF AVIATION
E	EAST
EASM	EASMENT
ED or E.D.	EDGE DRAIN
EMH	ELECTRIC MANHOLE
EL or ELEV	ELEVATION
ESVCP	EXTRA STRONG VITRIFIED CLAY PIPE
EX	EXISTING

ABBREVIATIONS:

FAA	FEDERAL AVIATION ADMINISTRATION
FFM	FAR FIELD MONITOR
FH	FIRE HYDRANT
FT	FEET
G	GRADE
GRND	GROUND
GS	GLIDE SLOPE
HR	HANGAR ROAD
HV	HIGH VOLTAGE
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
ILS	INSTRUMENT LANDING SYSTEM
IE or I.E.	INVERT ELEVATION
ID	IDENTIFICATION
IH	INSPECTION HOLE
INV.	INVERT
JC	JUNCTION CHAMBER
JV	JOINT VALVE
KV	KILOVOLT
K=L/A	LENGTH OF VERTICAL CURVE/ALGEBRAIC DIFFERENCE IN GRADE
L	LENGTH
L.S.	LUMP SUM
LOC	LOCALIZER
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
MPR	MOUNT PROSPECT ROAD
N	NORTH
NAVD	NORTH AMERICAN VERTICAL DATUM
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
NPR	NORTH PERIMETER ROAD
O.D.	OUTSIDE DIAMETER
OFA	OBJECT FREE AREA
OZ	OUNCE

ABBREVIATIONS:

PAPI	PRECISION APPROACH PATH INDICATOR LIGHTS
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
P.I.	POINT OF INTERSECTION
PL	PROPERTY LINE
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PVC PIPE	POLYVINYL CHLORIDE PIPE
PSI	POUNDS PER SQUARE INCH
R	REMOVE
RAD	RADIUS
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
RPP	REINFORCED POLYPROPYLENE
RPU	REMOTE PROCESSING UNIT
REV.	REVISION
RGS	RIGID STEEL
RD	ROAD
RSA	RUNWAY SAFETY AREA
R/W	RUNWAY
RPZ	RUNWAY PROTECTION ZONE
SA	SANITARY
SCH	SCHEDULE
SD	STORM DRAIN
SHT	SHEET
S	SOUTH
SQR	SQUARE
S.F.	SQUARE FEET
S.Y.	SQUARE YARD
STA	STATION
ST.	STREET
ST	STORM SEWER
T	TANGENT
T.S.	TANGENT SPIRAL
TSA	TAXIWAY SAFETY AREA
T/W	TAXIWAY
TDZ	TOUCHDOWN ZONE
TYP	TYPICAL
UD or U.D.	UNDERDRAIN
UMH	UNDERDRAIN MANHOLE
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
VPI	VERTICAL POINT OF INTERSECTION
W	WEST
W/	WITH
WMG	WEST MASS GRADING
YD	YARD



100% SUBMITTAL	REVISION	CHK	TM
2021/02/26	DATE	TL	DR
1	NO.	DSGN	TL

8735 W. HIGGINS ROAD
SUITE 400
CHICAGO, IL 60631

PHASE II - UPGRADE WILDLIFE HAZARD FENCING
ON SOUTHERN AND WESTERN BOUNDARIES

DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL



**SUMMARY OF QUANTITIES
AND ABBREVIATIONS**

NTS	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2021/02/26
PROJ	DPA-4773
DWG	G-101
SHEET	2 of 26

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REUSE OF DOCUMENTS:

GENERAL NOTES

- 1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS AND ANY RULES, REGULATIONS, STANDARDS AND SPECIFICATIONS REFERENCED THEREIN. THE PROJECT IS SUBJECT TO INSPECTION BY REPRESENTATIVES OF THE DUPAGE AIRPORT AUTHORITY (DAA), THE FEDERAL AVIATION ADMINISTRATION (FAA), THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT), THE TRANSPORTATION SECURITY ADMINISTRATION (TSA), AND OTHER GOVERNING AGENCIES.
- 2. THE PROJECT IS TO BE COMPLETED IN A TIMELY MANNER IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED PROJECT SCHEDULE. THE SCHEDULE SHALL BE PROVIDED FOR COMPLETION OF THE WORK AS SHOWN ON THE PLANS AND DESCRIBED IN THE CONTRACT SPECIFICATIONS. THE CONTRACTOR SHALL KEEP AIRPORT OPERATIONS INFORMED OF UPDATES TO THE PROJECT SCHEDULE AT ALL TIMES.
- 3. THE CONTRACTOR SHALL COMPLETE THE ENTIRE PROJECT WITHIN THE TIME STATED IN THE CONTRACT.
- 4. THE AIRPORT WILL BE IN OPERATION DURING THE CONSTRUCTION OF THIS PROJECT. COORDINATION OF WORK WITH THE DAA, FAA, IDOT AND LOCAL ATCT REPRESENTATIVES IS MANDATORY TO MINIMIZE IMPACTS ON AIRPORT OPERATIONS.
- 5. CONSTRUCTION AND MAINTENANCE OPERATIONS BY OTHERS MAY OCCUR CONCURRENTLY AND AT TIMES IN THE VICINITY OF CONSTRUCTION ASSOCIATED WITH THIS PROJECT. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS AND COOPERATE WITH MAINTENANCE CREWS AND OTHER CONTRACTORS WORKING ON THE AIRPORT. CONTRACTOR COORDINATION WITH APPROPRIATE GOVERNMENT AND UTILITY AGENCIES IS ALSO REQUIRED PRIOR TO AND DURING CONSTRUCTION.
- 6. ACCESS TO THE SITE - THE CONTRACTOR'S ACCESS POINTS TO THE SITE SHALL BE THROUGH DESIGNATED SECURITY GATES AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL VEHICLES AND PERSONNEL THAT ENTER THROUGH THESE DESIGNATED AIRPORT SECURITY GATES. AIRPORT SECURITY GATES SHALL BE SECURED AT ALL TIMES WHEN NOT IN USE.
- 7. HAUL ROUTES - THE CONTRACTOR'S ON-AIRPORT HAUL ROUTES AND CONSTRUCTION ACCESS SHALL BE EXISTING HAUL ROADS WHERE AVAILABLE. ANY DEBRIS (WHETHER CAUSED BY THE CONTRACTOR OR NOT) SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES (STATE HIGHWAYS, COUNTY ROADS, OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE ROADS USED AS HAUL ROUTES/CONSTRUCTION ACCESS SHALL BE MAINTAINED AND STABILIZED BY THE CONTRACTOR AS REQUIRED TO SUPPORT CONSTRUCTION EQUIPMENT THROUGHOUT THE DURATION OF THIS PROJECT AND SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE/CONSTRUCTION ACCESS UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE BEFORE AND AFTER CONDITION OF ON-SITE HAUL ROUTES/CONSTRUCTION ACCESS SHALL BE JOINTLY INSPECTED AND AGREED UPON BY THE CONTRACTOR AND THE RESIDENT ENGINEER. FENCING, DRAINAGE, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT/REMOVE TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO COMMENCING THE WORK. ALL ON-SITE ACCESS ROADS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES.
- 8. CONTRACTOR'S STAGING AREAS - AN AREA WILL BE MADE AVAILABLE FOR CONTRACTOR'S MOBILIZATION AND STORAGE AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES, FENCE, TREES, ETC. WITHIN THE STAGING AREA AND THE SITE SHALL BE RESTORED TO ITS ORIGINAL CONDITION WITHIN THIRTY (30) DAYS OF THE COMPLETION OF USE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. CONTRACTOR'S EQUIPMENT SHALL BE STORED IN THE EQUIPMENT AND MATERIAL STORAGE/STAGING AREA WHEN CONSTRUCTION IS NOT IN PROGRESS.
- 9. DISPOSAL AREAS - EXCESS SOILS, MILLED ASPHALT, CONCRETE RUBBLE, FENCE POSTS, FENCE FOOTINGS, FENCE FABRIC AND UNSUITABLE EXCAVATION MUST BE DISPOSED AT APPROVED LOCATIONS OFFSITE. OFFSITE DISPOSAL AREAS SHALL BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS.
- 10. SAFETY - THE CONTRACTOR SHALL CONDUCT ALL ACTIVITIES IN A SAFE MANNER AS SPECIFIED BY LOCAL, STATE AND FEDERAL LAWS.
- 11. EXISTING AIRFIELD LIGHTING SYSTEMS - NO INTERRUPTIONS OF EXISTING AIRFIELD LIGHTING SYSTEMS ARE ANTICIPATED IN THIS PROJECT AND SHALL NOT BE PERMITTED. ALL AIRFIELD LIGHTING CIRCUITS AFFECTED BY THIS PROJECT SHALL BE TEMPORARILY MAINTAINED BY THE CONTRACTOR DURING OPERATIONAL PERIODS AND COORDINATED THROUGH THE RESIDENT ENGINEER. THE CONTRACTOR SHALL IMMEDIATELY REPLACE RUNWAY/TAXIWAY SIGNS AND LIGHTS DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATION AT THE CONTRACTOR'S EXPENSE.
- 12. CONSTRUCTION LIMITS - ALL CONTRACTOR VEHICLES AND TRAFFIC (UNLESS OTHERWISE AUTHORIZED) SHALL REMAIN WITHIN THE DESIGNATED STAGING AREA, CONSTRUCTION LIMITS AND HAUL ROUTES. CONSTRUCTION, STORAGE AND STOCKPILING LIMITS ARE FURTHER DEFINED IN THE SECTION TITLED, "SAFETY REQUIREMENTS DURING CONSTRUCTION".

- 13. PORTABLE FLOODLIGHTING - IF NEEDED, THE CONTRACTOR SHALL PROVIDE PORTABLE FLOODLIGHTING AS REQUIRED FOR NIGHT CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL PROVIDE SUFFICIENT UNITS SO THAT ALL WORK AREAS ARE ILLUMINATED TO A MINIMUM LEVEL OF 5 HORIZONTAL FOOT CANDLES. THE LIGHTING LEVELS SHALL BE CALCULATED AND MEASURED IN ACCORDANCE WITH THE CURRENT STANDARDS OF THE ILLUMINATION ENGINEERING SOCIETY. THE CONTRACTOR SHALL COORDINATE THE USE OF FLOODLIGHTING WITH THE AIR TRAFFIC CONTROL TOWER TO ENSURE LIGHTING DOES NOT COMPROMISE THE CONTROL TOWER PERSONNEL'S VISIBILITY OR CAUSE CONFUSION TO PILOTS.
- 14. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION WORK. REFER TO THE SPECIAL CONDITIONS AND GENERAL CONDITIONS SECTIONS OF THE CONTRACT DOCUMENTS.
- 15. EXISTING TOPOGRAPHIC, UNDERGROUND AND ABOVE GROUND UTILITY DATA FOR THIS PROJECT WERE OBTAINED FROM AVAILABLE "AS-BUILTS" AND ARE FOR REFERENCE ONLY. UTILITIES MUST BE FIELD LOCATED.
- 16. PROTECTION AND REPAIR OF EXISTING UTILITIES - LOCATIONS OF KNOWN EXISTING AIRPORT UNDERGROUND UTILITIES ARE SHOWN ON THE PLANS FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY ALL UTILITIES, BY VISUAL, ELECTRICAL AND BY HAND EXCAVATION OR OTHER METHODS IN COORDINATION WITH ALL UTILITY COMPANIES AND DAA FACILITIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. ANY AND ALL CONFLICTS OF EXISTING UTILITIES BY THE PROPOSED IMPROVEMENTS SHALL BE RESOLVED WITH THE RESIDENT ENGINEER PRIOR TO BEGINNING THE CONSTRUCTION ACTIVITIES. ANY REPAIRS TO EXISTING UTILITIES DAMAGED BY CONTRACTOR ACTIVITIES SHALL BE COMPLETED IMMEDIATELY BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL SUCH REPAIRS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL BE AT THE CONTRACTOR'S EXPENSE. IF FAA CABLES ARE DAMAGED, REPAIRS SHALL BE DONE IN ACCORDANCE WITH FAA REQUIREMENTS AND IN THE PRESENCE OF AN FAA REPRESENTATIVE. THE FAA MAY ELECT TO HAVE THE REPAIR PERFORMED BY OTHERS, IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING THE INCURRED COSTS OF REPAIRS AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 17. IF ANY UNUSUAL ODORS, SOIL STAINS OR BURIED WASTES ARE ENCOUNTERED, STOP WORK IMMEDIATELY AND NOTIFY THE OWNER, AND/OR RESIDENT ENGINEER.

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- 18. THE CONTRACTOR SHALL FURNISH THE OWNER FIVE (5) SETS OF OPERATION AND MAINTENANCE MANUALS FOR ALL NEW EQUIPMENT INSTALLED.
- 19. WORK PERFORMED UNDER THIS CONTRACT WILL NOT BE CONSIDERED COMPLETE UNTIL FINAL ACCEPTANCE OF THE PROJECT BY THE OWNER AND RECEIPT AND APPROVAL OF THE FOLLOWING DOCUMENTS:
 - A) CONTRACTOR'S WAIVER AND RELEASE OF LIEN.
 - B) ABSOLUTE BILL OF SALE.
 - C) CONTRACTOR'S LETTER OF WARRANTY (I.E., LETTER AGREEMENT).
 - D) CONTRACTOR AS-BUILTS.
 - E) FINAL PUNCH LIST COMPLETED AND ACCEPTED BY THE RESIDENT ENGINEER.
 - F) TRANSFER OF OWNER WARRANTY.
- 20. IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, PREVAILING WAGE RATES SHALL BE POSTED AT THE CONTRACTOR STAGING AREA IN A WEATHERPROOF ENCLOSURE AND COPIES SHALL BE SUBMITTED TO THE RESIDENT ENGINEER AND THE OWNER.
- 21. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL TO ALLOW FOR A MINIMUM OF ONE LANE OF TRAFFIC AT ALL TIMES AND CONTRACTOR SHALL MAINTAIN ACCESS TO BUILDING PARKING LOTS AT ALL TIMES DURING CONSTRUCTION. (INCIDENTAL TO THE CONTRACT).
- 22. WHERE THE CONTRACTOR IS IMPACTING EXISTING GRADES THE CONTRACTOR SHALL CONSTRUCT ALL IMPROVEMENTS TO DRAIN OFF. ANY AREAS IMPACTED BY THE CONTRACTOR THAT ARE FOUND TO NOT DRAIN PROPERLY BY THE ENGINEER SHALL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.
- 23. MATERIALS REMOVED FROM THE PROJECT WILL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS NOTED OTHERWISE.
- 24. CONTRACTOR WILL BE REQUIRED TO PUT AIRPORT FLAGS OR A WORKING BEACON LIGHT ON ALL EQUIPMENT AT ALL TIMES DURING CONSTRUCTION.
- 25. TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL.

- 26. CONTRACTOR FIELD STAFF SHALL ATTEND DPA SAFETY MEETING PRIOR TO MOBILIZATION.
- 27. SURVEYOR IS REQUIRED FOR THE FENCE LAYOUT. UTILIZE TABLE ON SHEET G-205 FOR FENCE COORDINATES AND SHEET G-201 THRU G-204 FOR LAYOUT INFORMATION. AS BUILT SURVEY OF THE FINAL ALIGNMENT IS REQUIRED.
- 28. CONTRACTOR TO ACQUIRE ANY TEMPORARY EASEMENTS, PERMITS AND/OR PERMISSION NEEDED FROM ADJACENT LAND OWNERS FOR THE CONSTRUCTION WITH ANY ASSOCIATED COSTS INCIDENTAL TO THE PROJECT.

GENERAL PROJECT DESCRIPTION

- 1. THE WORK GENERALLY CONSISTS OF:
 - REMOVAL OF EXISTING 6-FT SECURITY FENCING, GATES, POSTS, AND FOUNDATIONS
 - INSTALLATION OF 8-FT SECURITY FENCING, GATES, POSTS AND FOUNDATIONS WITH 3 STRAND BARBED WIRE, WILDLIFE DETERRENT FENCE BARRIER AND 4-FT WIDE VEGATATION FREE ZONE OR ADDITION OF 3 STRAND BARBED WIRE, WILDLIFE DETERRENT BARRIER AND 4-FT WIDE VEGATATION FREE ZONE TO THE EXISITNG 8-FT SECURITY FENCING
 - INSTALLATION OF WILDLIFE DETERRENT PAD UNDER GATES

SECURITY NOTES

- 1. THE CONTRACTOR SHALL DESIGNATE TO THE RESIDENT ENGINEER IN WRITING THE NAME OF ITS 'CONTRACTOR SECURITY OFFICER' (C.S.O.). THE C.S.O. SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS FOR THE CONTRACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FAMILIARIZE HIMSELF/HERSELF WITH THE VARIOUS ASPECTS OF FAR 49 CFR PART 1542: "AIRPORT SECURITY", ADMINISTERED BY THE TRANSPORTATION SECURITY ADMINISTRATION (TSA). ANY VIOLATION OF CFR PART 1542 BY THE CONTRACTOR AND ANY SUBSEQUENT FINES IMPOSED DUE TO THE VIOLATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 2. CONTRACTOR PERSONNEL SECURITY ORIENTATION: THE C.S.O. SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS AND PROVISIONS ADOPTED BY THE DUPAGE AIRPORT AUTHORITY (DAA). ALL NEW CONTRACTOR EMPLOYEES SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREA.
- 3. ACCESS TO SITE: THE AIRPORT WILL PROVIDE AIRFIELD OPERATIONS AREA ESCORTS AT NO COST TO THE CONTRACTOR. CONTRACTOR'S ACCESS TO THE SITE SHALL BE AS SHOWN ON THE SAFETY PLAN OR AS DIRECTED BY THE RESIDENT ENGINEER. NO OTHER ACCESS POINT SHALL BE ALLOWED UNLESS APPROVED BY THE RESIDENT ENGINEER. IF GATE IS TO BE LEFT UNLOCKED, CONTRACTOR SHALL PROVIDE GATE GUARDS FOR THE DURATION OF THE UNLOCKED CONDITION. ALL CONTRACTOR TRAFFIC AUTHORIZED TO ENTER THE SITE SHALL BE EXPERIENCED IN THE ROUTE OR ESCORTED BY THE CONTRACTOR PERSONNEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL TO AND FROM THE ACCESS GATE TO THE SITE. A CONTRACTOR'S FLAGMAN OR TRAFFIC CONTROL PERSON SHALL MONITOR AND COORDINATE ALL CONTRACTOR TRAFFIC AT THE ACCESS GATE. THE CONTRACTOR SHALL NOT PERMIT ANY UNAUTHORIZED CONSTRUCTION PERSONNEL OR TRAFFIC ON THE AIRPORT OPERATIONS AREA (AOA). DIRECTIONAL SIGNING ALONG THE DELIVERY ROUTE TO THE STORAGE AREA OR WORK SITE SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
- 4. CONSTRUCTION AREA LIMITS: THE LIMITS OF CONSTRUCTION, MATERIAL STORAGE AREAS, PARKING AREA AND OTHER AREAS DEFINED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION SHALL BE MARKED AND LIGHTED. THE CONTRACTOR SHALL ERECT AND MAINTAIN FENCING AROUND THE PERIMETER OF THESE AREAS AND VISIBLE DEVICES FOR DAY/NIGHT USE. TEMPORARY BARRICADES, FLAGGING AND FLASHING WARNING LIGHTS WILL BE REQUIRED AT CRITICAL ACCESS POINTS. THE TYPE OF MARKING AND WARNING DEVICES SHALL BE APPROVED BY THE RESIDENT ENGINEER AND AIRPORT OPERATIONS.
- 5. THE C.S.O. SHALL PROVIDE OPERATIONS AND THE RESIDENT ENGINEER A CURRENT LIST OF COMPANIES AUTHORIZED TO CONDUCT WORK ON THE AIRPORT. CONTRACTOR EMPLOYEE PERSONAL VEHICLES SHALL BE RESTRICTED TO THE CONTRACTORS EMPLOYEE PARKING AREA AND ARE NOT ALLOWED ON THE AIRFIELD AT ANY TIME.

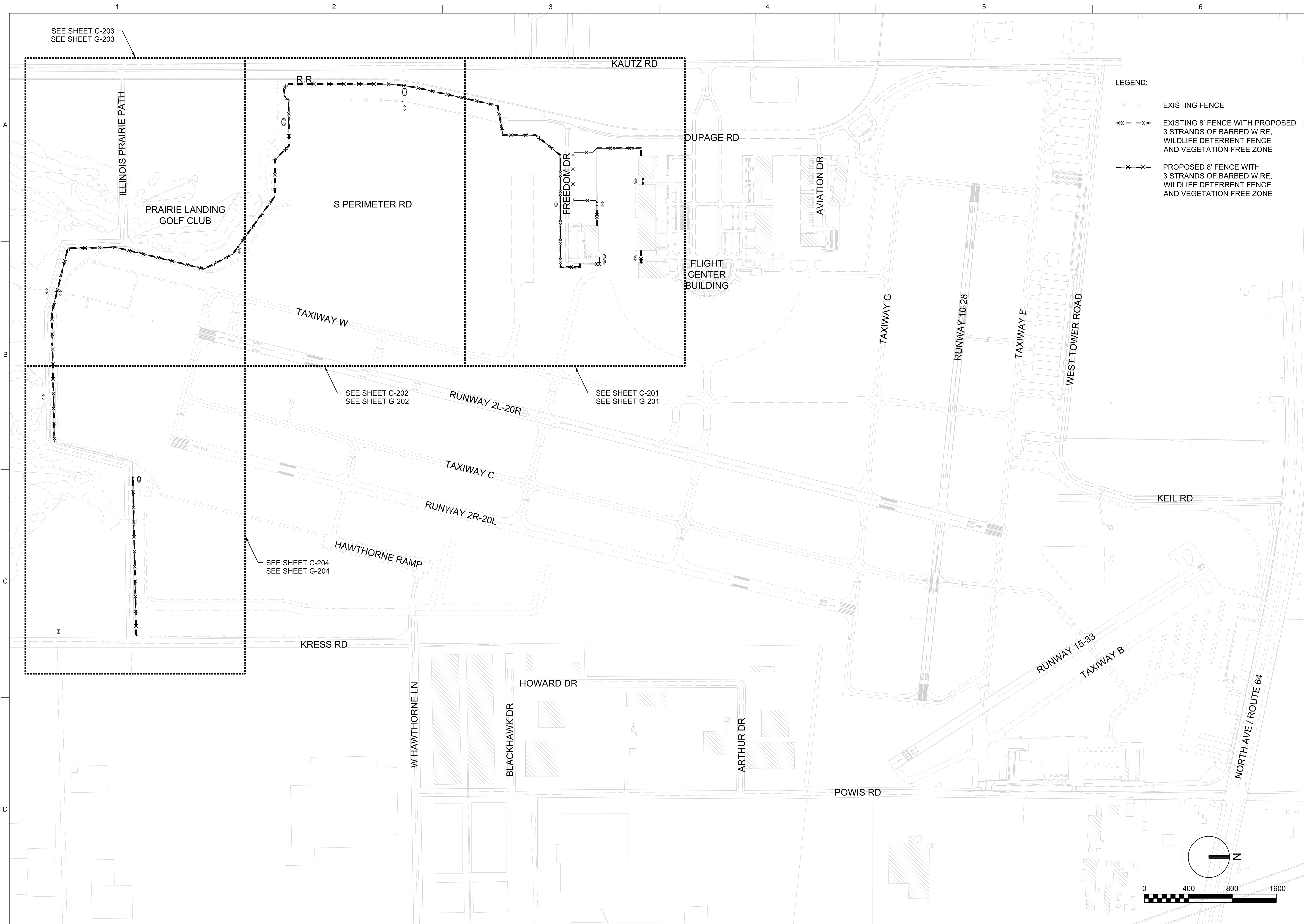
LIST OF STATE STANDARDS AND DISTRICT DETAILS

- 701001-02 OFF-RD OPERATIONS, 2L, 2W MORE THAN 15' AWAY
- 701006-05 OFF-RD OPERATIONS, 2L, 2W MORE THAN 15' TO 24" FROM PAVEMENT EDGE
- 701901-05 TRAFFIC CONTROL DEVICES
- 701901-08 TYPE II TRAFFIC BARRICADE



8735 W. HIGGINS ROAD SUITE 400 CHICAGO, IL 60631		100% SUBMITTAL		TM	
PHASE II - UPGRADE WILDLIFE HAZARD FENCING ON SOUTHERN AND WESTERN BOUNDARIES		REVISION		TM	
DUPAGE AIRPORT (DPA) WEST CHICAGO, IL		DATE		TM	
GENERAL AND SECURITY NOTES		NO.		TM	
DATE		2021/02/26		TM	
PROJ		DPA-4773		TM	
DWG		G-102		TM	
SHEET		3 of 26		TM	
NTS					
VERIFY SCALE					
BAR IS ONE INCH ON ORIGINAL DRAWING.					
DATE		2021/02/26			
PROJ		DPA-4773			
DWG		G-102			
SHEET		3 of 26			

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SEE SHEET C-203
SEE SHEET G-203

ILLINOIS PRAIRIE PATH

PRAIRIE LANDING
GOLF CLUB

S PERIMETER RD

TAXIWAY W

SEE SHEET C-202
SEE SHEET G-202

RUNWAY 2L-20R

SEE SHEET C-201
SEE SHEET G-201

TAXIWAY C

RUNWAY 2R-20L

HAWTHORNE RAMP

SEE SHEET C-204
SEE SHEET G-204

KRESS RD

W HAWTHORNE LN

BLACKHAWK DR

HOWARD DR

ARTHUR DR

POWIS RD

KAUTZ RD

DUPAGE RD

AVIATION DR

FLIGHT
CENTER
BUILDING

TAXIWAY G

RUNWAY 10-28

TAXIWAY E

WEST TOWER ROAD

KEIL RD

RUNWAY 15-33

TAXIWAY B

NORTH AVE / ROUTE 64

LEGEND:

- - - - - EXISTING FENCE
- × - × - × EXISTING 8' FENCE WITH PROPOSED 3 STRANDS OF BARBED WIRE, WILDLIFE DETERRENT FENCE AND VEGETATION FREE ZONE
- × — × — PROPOSED 8' FENCE WITH 3 STRANDS OF BARBED WIRE, WILDLIFE DETERRENT FENCE AND VEGETATION FREE ZONE



NO.	DATE	DR	TL	APVD	TM
1	2021/02/26				
100% SUBMITTAL		CHK	TM	APVD	TM
REVISION					

8735 W. HIGGINS ROAD
SUITE 400
CHICAGO, IL 60631

PHASE II - UPGRADE WILDLIFE HAZARD FENCING
ON SOUTHERN AND WESTERN BOUNDARIES

DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

ch2m

PROJECT LOCATION PLAN

1" = 400'	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2021/02/26
PROJ	DPA-4773
DWG	G-103
SHEET	4 of 26

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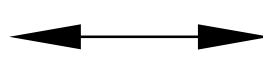
ACCESS NOTES

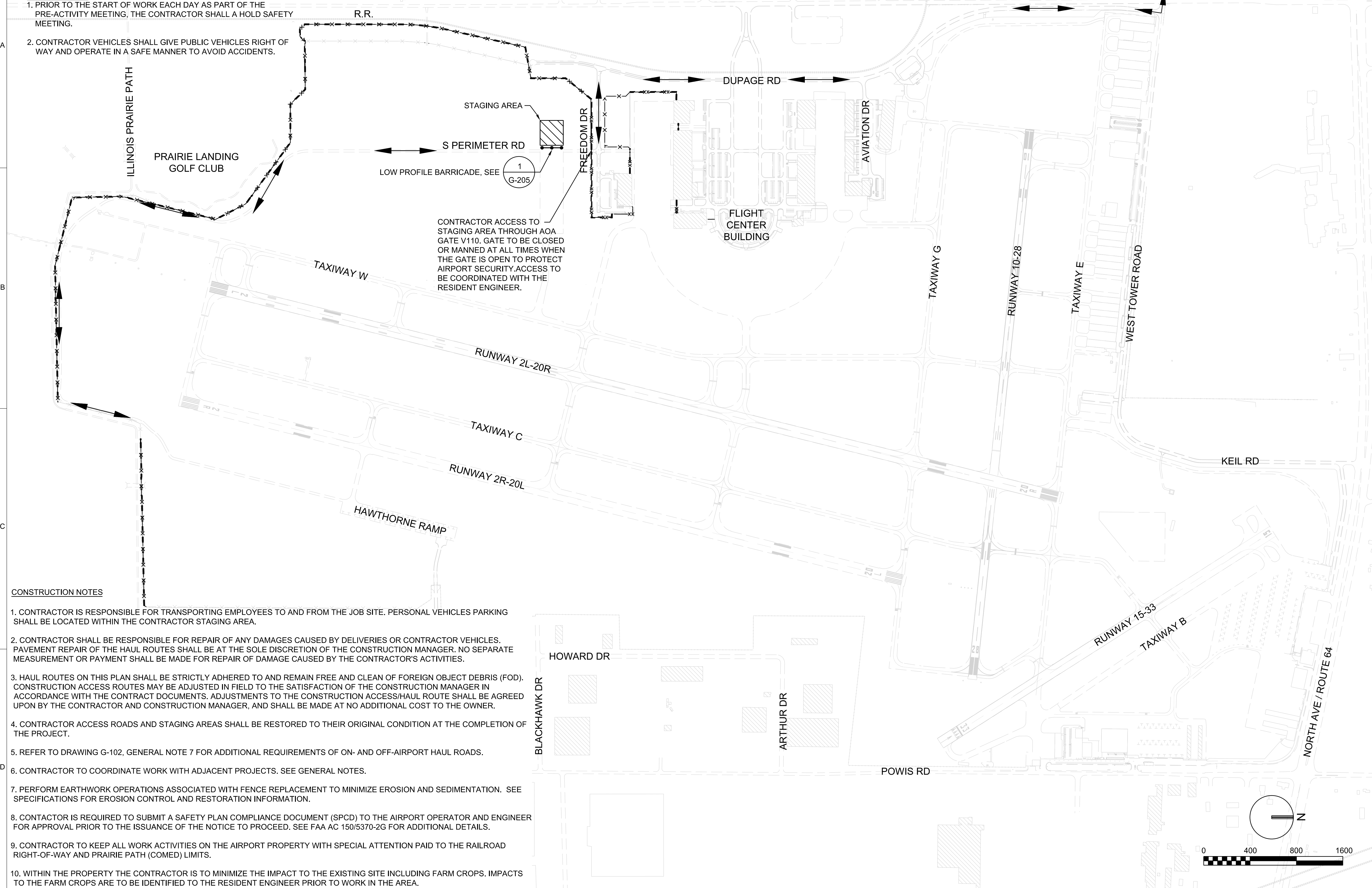
1. CONSTRUCTION STAGING AREAS SHOWN ON PLANS MAY BE RELOCATED BY THE AIRPORT OR CONSTRUCTION MANAGER IN THE VICINITY OF THE PROJECT AREA.

SAFETY NOTES

1. PRIOR TO THE START OF WORK EACH DAY AS PART OF THE PRE-ACTIVITY MEETING, THE CONTRACTOR SHALL HOLD A SAFETY MEETING.
2. CONTRACTOR VEHICLES SHALL GIVE PUBLIC VEHICLES RIGHT OF WAY AND OPERATE IN A SAFE MANNER TO AVOID ACCIDENTS.

LEGEND:

-  STAGING AREA AND PARKING
-  ACCESS/HAUL ROUTE



CONTRACTOR ACCESS TO STAGING AREA THROUGH AOA GATE V110. GATE TO BE CLOSED OR MANNED AT ALL TIMES WHEN THE GATE IS OPEN TO PROTECT AIRPORT SECURITY. ACCESS TO BE COORDINATED WITH THE RESIDENT ENGINEER.

CONSTRUCTION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR TRANSPORTING EMPLOYEES TO AND FROM THE JOB SITE. PERSONAL VEHICLES PARKING SHALL BE LOCATED WITHIN THE CONTRACTOR STAGING AREA.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGES CAUSED BY DELIVERIES OR CONTRACTOR VEHICLES. PAVEMENT REPAIR OF THE HAUL ROUTES SHALL BE AT THE SOLE DISCRETION OF THE CONSTRUCTION MANAGER. NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR REPAIR OF DAMAGE CAUSED BY THE CONTRACTOR'S ACTIVITIES.
3. HAUL ROUTES ON THIS PLAN SHALL BE STRICTLY ADHERED TO AND REMAIN FREE AND CLEAN OF FOREIGN OBJECT DEBRIS (FOD). CONSTRUCTION ACCESS ROUTES MAY BE ADJUSTED IN FIELD TO THE SATISFACTION OF THE CONSTRUCTION MANAGER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ADJUSTMENTS TO THE CONSTRUCTION ACCESS/HAUL ROUTE SHALL BE AGREED UPON BY THE CONTRACTOR AND CONSTRUCTION MANAGER, AND SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR ACCESS ROADS AND STAGING AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE COMPLETION OF THE PROJECT.
5. REFER TO DRAWING G-102, GENERAL NOTE 7 FOR ADDITIONAL REQUIREMENTS OF ON- AND OFF-AIRPORT HAUL ROADS.
6. CONTRACTOR TO COORDINATE WORK WITH ADJACENT PROJECTS. SEE GENERAL NOTES.
7. PERFORM EARTHWORK OPERATIONS ASSOCIATED WITH FENCE REPLACEMENT TO MINIMIZE EROSION AND SEDIMENTATION. SEE SPECIFICATIONS FOR EROSION CONTROL AND RESTORATION INFORMATION.
8. CONTRACTOR IS REQUIRED TO SUBMIT A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) TO THE AIRPORT OPERATOR AND ENGINEER FOR APPROVAL PRIOR TO THE ISSUANCE OF THE NOTICE TO PROCEED. SEE FAA AC 150/5370-2G FOR ADDITIONAL DETAILS.
9. CONTRACTOR TO KEEP ALL WORK ACTIVITIES ON THE AIRPORT PROPERTY WITH SPECIAL ATTENTION PAID TO THE RAILROAD RIGHT-OF-WAY AND PRAIRIE PATH (COMED) LIMITS.
10. WITHIN THE PROPERTY THE CONTRACTOR IS TO MINIMIZE THE IMPACT TO THE EXISTING SITE INCLUDING FARM CROPS. IMPACTS TO THE FARM CROPS ARE TO BE IDENTIFIED TO THE RESIDENT ENGINEER PRIOR TO WORK IN THE AREA.



NO.	DATE	DR	TL	APVD	TM
1	2021/02/26				
100% SUBMITTAL		CHK	TM	APVD	TM
REVISION					
TL	BY	TL	BY	TL	TM

8735 W. HIGGINS ROAD
SUITE 400
CHICAGO, IL 60631

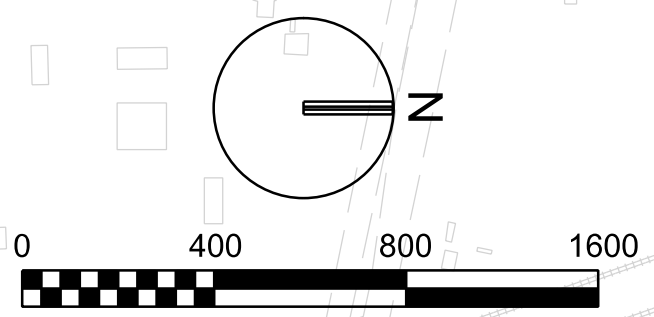
PHASE II - UPGRADE WILDLIFE HAZARD FENCING ON SOUTHERN AND WESTERN BOUNDARIES
DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

ch2m

CONTRACTOR STAGING AND ACCESS ROUTE PLAN

1" = 400'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE	2021/02/26
PROJ	DPA-4773
DWG	G-104
SHEET	5 of 26



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WORK AREA	WORKING DAYS	OPERATIONAL STATUS /RESTRICTIONS
BASE BID	10 MOBILIZATION 53 CONSTRUCTION 5 CLOSEOUT	RUNWAY 2R-20L / OPEN RUNWAY 2L-20R / OPEN

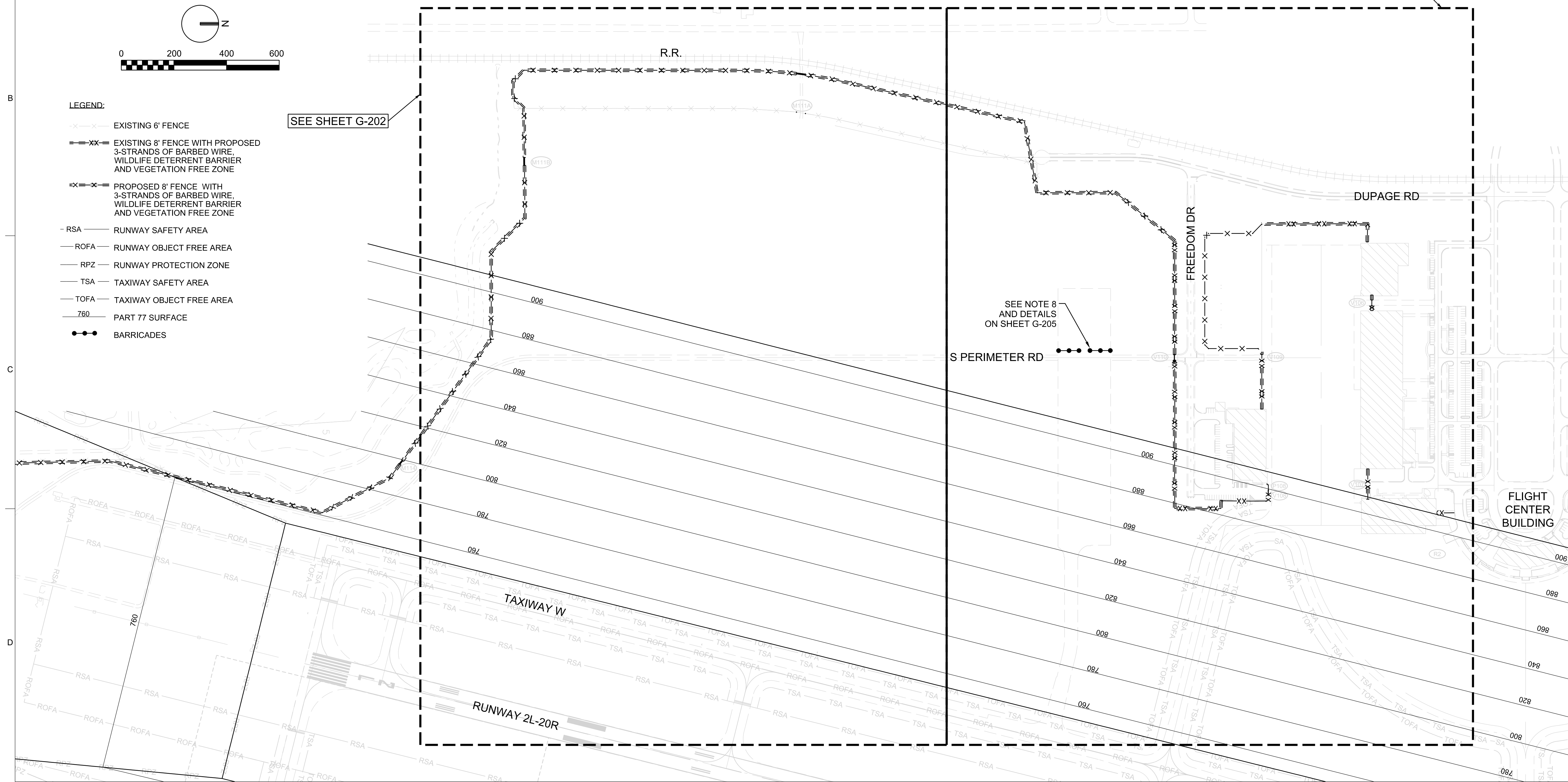
CRITICAL AIRCRAFT AND SAFETY AREAS		
RUNWAY	2R - 20L	2L - 20R
APPROACH CATEGORY	B	D
DESIGN GROUP	II	III
DESIGN AIRCRAFT	FALCON 900	GULFSTREAM V
WINGSPAN	63.4 FEET	94 FEET
TAIL HEIGHT	24.8 FEET	25.8 FEET
DESIGN LENGTH	FALCON 900	GULFSTREAM V
STRENGTH (MGTW)	45,500 LBS	90,500 LBS
RUNWAY SAFETY AREA (RSA)	500 FEET	500 FEET
RUNWAY OBJECT FREE AREA (ROFA)	800 FEET	800 FEET
TAXIWAY SAFETY AREA (TSA)	120 FEET	120 FEET
TAXIWAY OBJECT FREE AREA (TOFA)	186 FEET	186 FEET

PHASING NOTES:

1. THE INTENT OF THE PHASING PLANS IS TO MINIMIZE THE IMPACT OF CONSTRUCTION ON THE OPERATION OF THE AIRPORT. THE CONTRACTOR SHALL CONSTRUCT THE PROJECT IN CONSECUTIVE PHASES AS OUTLINED IN THE PLANS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE. STRICT ADHERENCE TO THE APPROVED SCHEDULE WILL BE ENFORCED TO AVOID CONFLICTS WITH OTHER CONSTRUCTION ACTIVITIES ON THE AIRPORT AND THE ADVERSE EFFECTS THEY COULD HAVE ON AIRPORT OPERATIONS.
3. CONTRACTOR MUST MAINTAIN ACCESS TO ALL ACTIVE AND OPEN AREAS AT ALL TIMES. CONTRACTOR TO ALLOW AIRCRAFT TO PASS. CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS AT ALL ACTIVE AND OPEN AREAS TO PROVIDE MINIMAL DISRUPTIONS TO AIRCRAFT MOVEMENT IN THAT AREA.
4. THE CONTRACTOR IS REQUIRED TO SECURE THE AIRFIELD PERIMETER DUE TO THE CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PLACE 6' CHAIN LINK FENCE AT FENCE REMOVAL LOCATIONS. TEMPORARY FENCE SHALL BE CONSIDERED INCIDENTAL REGARDLESS OF HOW MANY TIMES IT IS TAKEN DOWN OR PUT UP TO ALLOW FOR CONSTRUCTION OPERATIONS.
5. THE AIRPORT RESERVES THE RIGHT TO MODIFY THE SEQUENCE OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO PHASING, WORK AREAS, BARRICADE PLACEMENT, ACCESS AND HAUL ROUTES, AND CONTRACTOR MOVEMENTS AT ANY TIME DURING THE PROJECT.
6. MAXIMUM ANTICIPATED HEIGHT OF CONSTRUCTION EQUIPMENT DUMP TRUCK IN DUMP POSITION - 25'.
7. AT THE END OF THE WORK DAY NO CONSTRUCTION EQUIPMENT SHALL BE PARKED/STORED WITHIN THE OBJECT FREE AREA(S) OF OPEN OR CLOSED RUNWAYS AND/OR TAXIWAYS. PARKED/STORED EQUIPMENT HEIGHT SHALL NOT PENETRATE THE PART 77 SURFACE(S).
8. TEMPORARY BARRICADES FOR WORK ALONG ROADWAYS/SERVICE ROADS TO BE IN ACCORDANCE WITH ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES STANDARDS. AIRFIELD LOW SLUNG BARRICADES WILL BE REQUIRED AS IDENTIFIED ON THESE PLANS. FOR DETAIL SEE SHEET G-205. TEMPORARY BARRICADES WILL ALSO BE REQUIRED WHERE WORK ACTIVITIES WILL IMPACT ANY AIRPORT OPERATIONAL AREAS OR IMPACT PUBLIC SAFETY. COORDINATE BARRICADE LOCATIONS WITH THE RESIDENT ENGINEER FOR APPROVAL.

FAA NOTES:

1. WHEN FAA CABLES ARE REQUIRED TO BE LOCATED, A 10 WORKING DAY ADVANCED NOTICE SHALL BE GIVEN TO THE FAA BEFORE ANY SUCH MARKINGS ARE REQUIRED. ONCE FAA MARKS THE CABLES, THE CONTRACTOR WILL BE REQUIRED TO SURVEY THE FAA UTILITIES SO THEY CAN BE REPLACED DURING CONSTRUCTION WITHOUT REMARKING BY THE FAA. THIS SHALL BE INCIDENTAL, AND AT THE CONTRACTOR'S EXPENSE. THE FAA PERSONNEL ARE ONLY AVAILABLE FROM 9 AM TO 3 PM, MONDAY THROUGH FRIDAY WITH ADVANCE NOTICE.
2. SPECIAL ATTENTION IS NECESSARY WHEN WORKING NEAR FAA POWER, AND CONTROL, CABLES, ANY FAA UTILITY THAT IS DAMAGED OR CUT DURING CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY. FAA REQUIRES THAT ANY DAMAGED CABLE BE REPLACED IN ITS ENTIRETY, FROM POWER/CONTROL SOURCE TO THE EQUIPMENT/SERVICE. SPLICES OF ANY KIND WILL NOT BE PERMITTED. EXPOSURES OF ANY FAA CABLES MUST BE DONE BY HAND DIGGING OR HYDRO-EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE MADE FOR LOCATION, REPLACEMENT OR REPAIR OF FAA FACILITIES OR CABLES BUT, SHALL BE INCIDENTAL AND AT CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR MUST RESTRICT EQUIPMENT HEIGHTS AROUND ACTIVE RUNWAYS IN ACCORDANCE WITH THE FAA PART 77 SURFACE DETAILS SHOW IN THE DRAWINGS. THE CONTRACTOR SHALL COORDINATE WITH DAA REPRESENTATIVE ON EXACT EQUIPMENT HEIGHT LIMITATIONS FOR EACH WORK AREA. THE CONTRACTOR MUST ADHERE TO THE REQUIREMENTS OF THE FAA 7460-1 NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION FOR THIS PROJECT.



8735 W. HIGGINS ROAD
SUITE 400
CHICAGO, IL 60631

PHASE II - UPGRADE WILDLIFE HAZARD FENCING
ON SOUTHERN AND WESTERN BOUNDARIES
DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

ch2m

CONSTRUCTION
SAFETY / PHASING
PLAN 1

NO.	DATE	1	2021/02/26	100% SUBMITTAL
DSGN	TL	DR	TL	TM
			CHK	TM
			APVD	TM
			BY	TM
			TL	TM

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE	2021/02/26
PROJ	DPA-4773
DWG	G-105
SHEET	6 of 26

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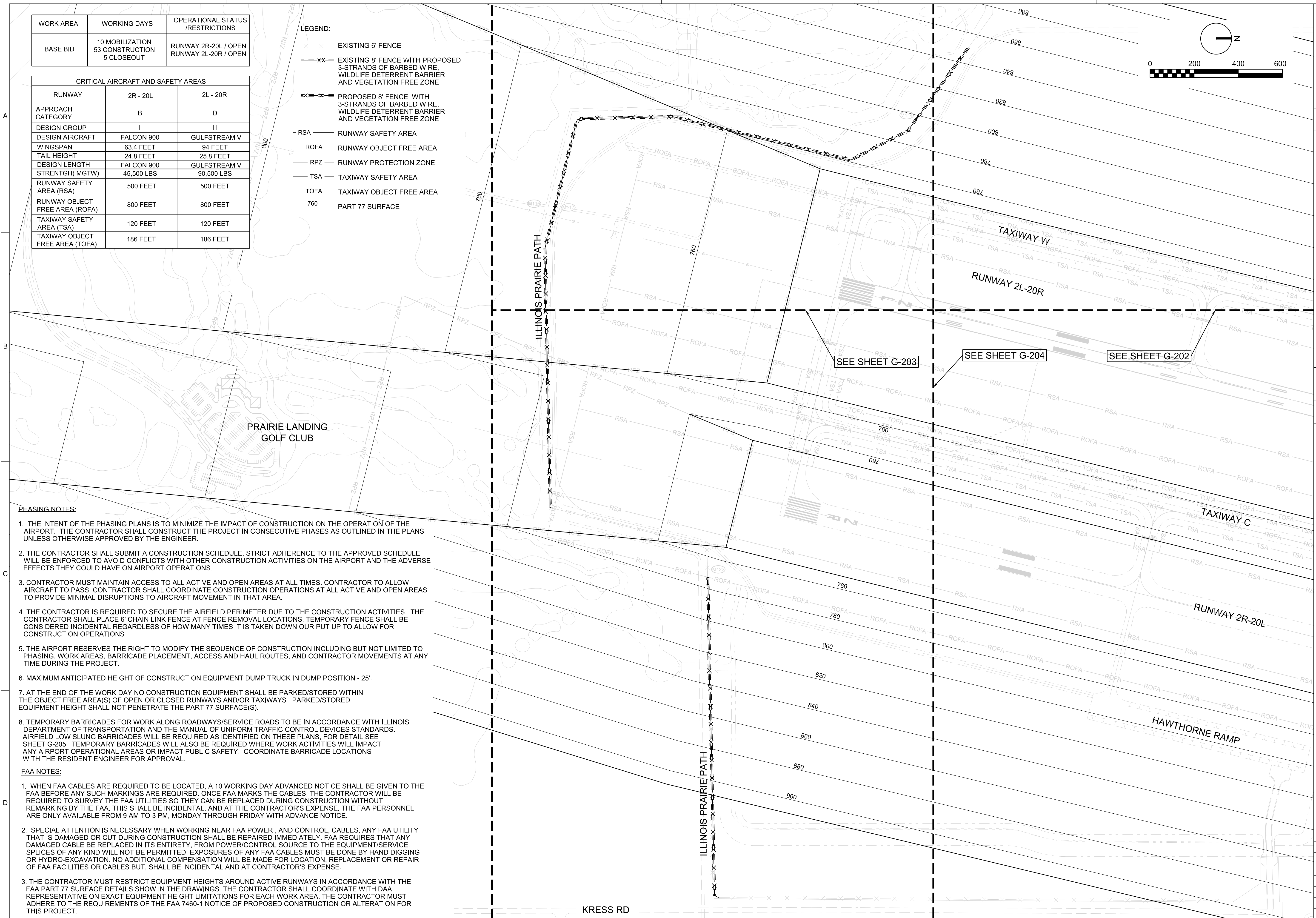
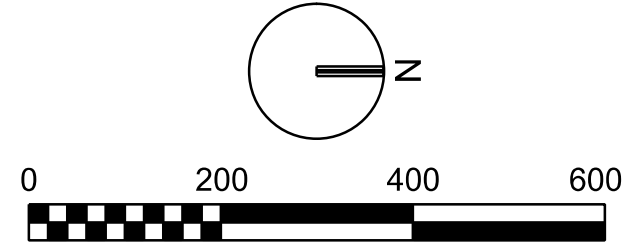
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FILENAME: 4773-G-105-CSSP.dgn PLOT DATE: 2021/02/25 PLOT TIME: 1:37:41 PM

WORK AREA	WORKING DAYS	OPERATIONAL STATUS /RESTRICTIONS
BASE BID	10 MOBILIZATION 53 CONSTRUCTION 5 CLOSEOUT	RUNWAY 2R-20L / OPEN RUNWAY 2L-20R / OPEN

CRITICAL AIRCRAFT AND SAFETY AREAS		
RUNWAY	2R - 20L	2L - 20R
APPROACH CATEGORY	B	D
DESIGN GROUP	II	III
DESIGN AIRCRAFT	FALCON 900	GULFSTREAM V
WINGSPAN	63.4 FEET	94 FEET
TAIL HEIGHT	24.8 FEET	25.8 FEET
DESIGN LENGTH	FALCON 900	GULFSTREAM V
STRENGTH(MGTW)	45,500 LBS	90,500 LBS
RUNWAY SAFETY AREA (RSA)	500 FEET	500 FEET
RUNWAY OBJECT FREE AREA (ROFA)	800 FEET	800 FEET
TAXIWAY SAFETY AREA (TSA)	120 FEET	120 FEET
TAXIWAY OBJECT FREE AREA (TOFA)	186 FEET	186 FEET

- LEGEND:**
- X---X--- EXISTING 6' FENCE
 - XX--- EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
 - X---X--- PROPOSED 8' FENCE WITH 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
 - RSA - RUNWAY SAFETY AREA
 - ROFA - RUNWAY OBJECT FREE AREA
 - RPZ - RUNWAY PROTECTION ZONE
 - TSA - TAXIWAY SAFETY AREA
 - TOFA - TAXIWAY OBJECT FREE AREA
 - 760 - PART 77 SURFACE



PHASING NOTES:

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NO.	1	DATE	2021/02/26	DR	TL	APVD	TM
DSGN		CHK		CHK		APVD	TM
100% SUBMITTAL				REVISION			

8735 W. HIGGINS ROAD
SUITE 400
CHICAGO, IL 60631

PHASE II - UPGRADE WILDLIFE HAZARD FENCING ON SOUTHERN AND WESTERN BOUNDARIES
DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

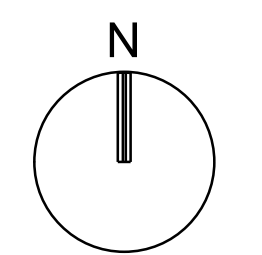
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CONSTRUCTION SAFETY / PHASING PLAN 2

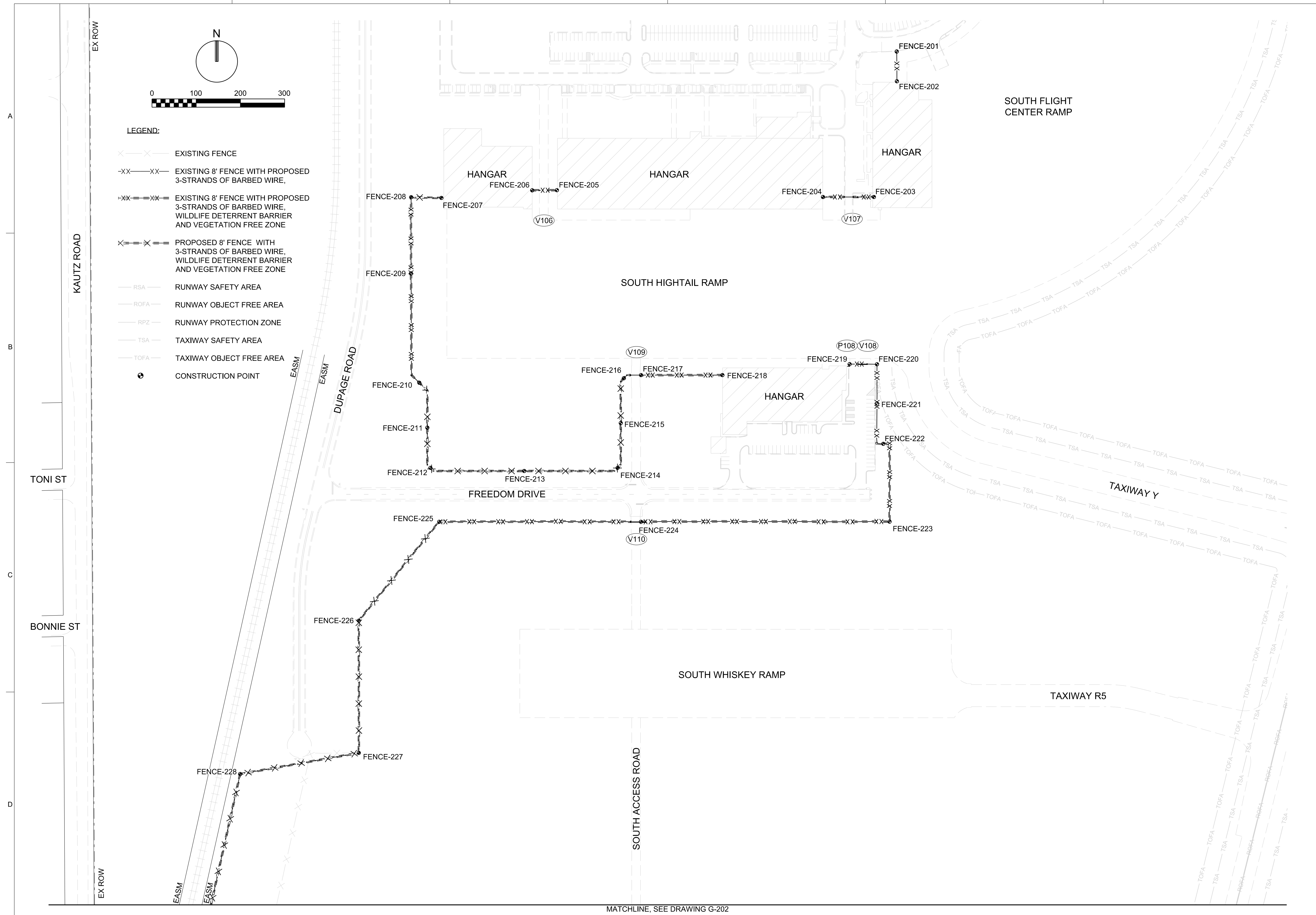
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2021/02/26
PROJ	DPA-4773
DWG	G-106
SHEET	7 of 26

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1 2 3 4 5 6



- LEGEND:**
- X—X— EXISTING FENCE
 - XX-XX- EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE,
 - XX-XX- EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
 - XX-XX- PROPOSED 8' FENCE WITH 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
 - RSA— RUNWAY SAFETY AREA
 - ROFA— RUNWAY OBJECT FREE AREA
 - RPZ— RUNWAY PROTECTION ZONE
 - TSA— TAXIWAY SAFETY AREA
 - TOFA— TAXIWAY OBJECT FREE AREA
 - ⊙ CONSTRUCTION POINT



MATCHLINE, SEE DRAWING G-202



NO.	DATE	DR	TL	APVD	TM
1	2021/02/26				
100% SUBMITTAL			CHK	APVD	TM
REVISION					

8735 W. HIGGINS ROAD
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ON SOUTHERN AND WESTERN BOUNDARIES
DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

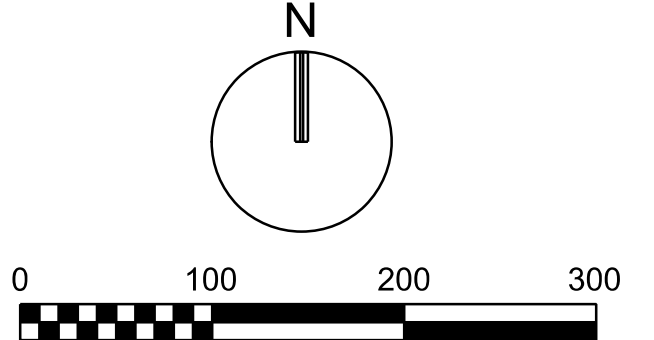
ch2m
GENERAL
CONSTRUCTION SAFETY / PHASING PLAN DETAILS 1

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.

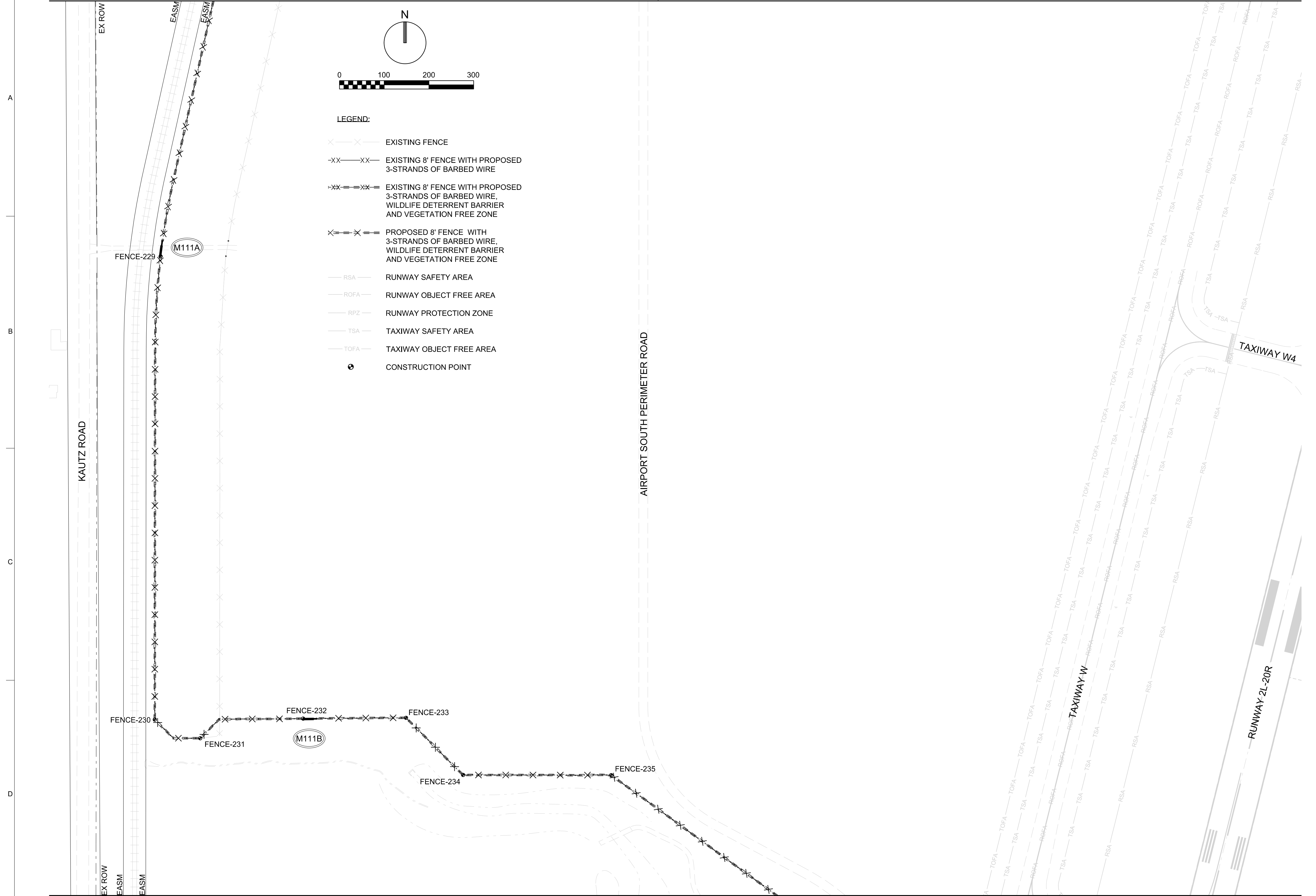
DATE	2021/02/26
PROJ	DPA-4773
DWG	G-201
SHEET	8 of 26

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MATCHLINE, SEE DRAWING G-201



- LEGEND:**
- X—X— EXISTING FENCE
 - XX—XX— EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE
 - XX—XX— EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
 - XX—XX— PROPOSED 8' FENCE WITH 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
 - RSA— RUNWAY SAFETY AREA
 - ROFA— RUNWAY OBJECT FREE AREA
 - RPZ— RUNWAY PROTECTION ZONE
 - TSA— TAXIWAY SAFETY AREA
 - TOFA— TAXIWAY OBJECT FREE AREA
 - CONSTRUCTION POINT



MATCHLINE, SEE DRAWING G-203



NO.	DATE	DR	TL	CHK	TM	APVD	TM
1	2021/02/26						
100% SUBMITTAL				REVISION			

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SUITE 400
CHICAGO, IL 60631

PHASE II - UPGRADE WILDLIFE HAZARD FENCING
ON SOUTHERN AND WESTERN BOUNDARIES

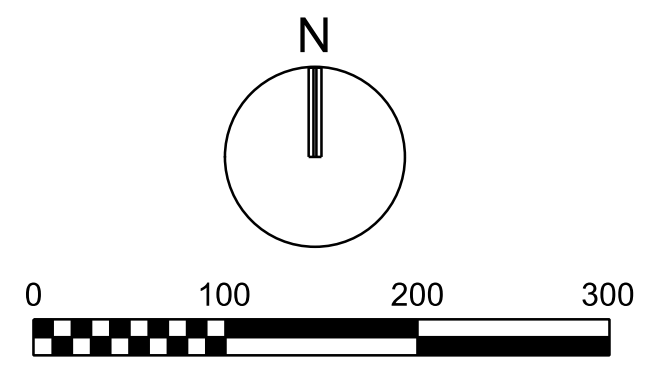
DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

ch2m
GENERAL
CONSTRUCTION SAFETY / PHASING PLAN DETAILS 2

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2021/02/26
PROJ	DPA-4773
DWG	G-202
SHEET	9 of 26

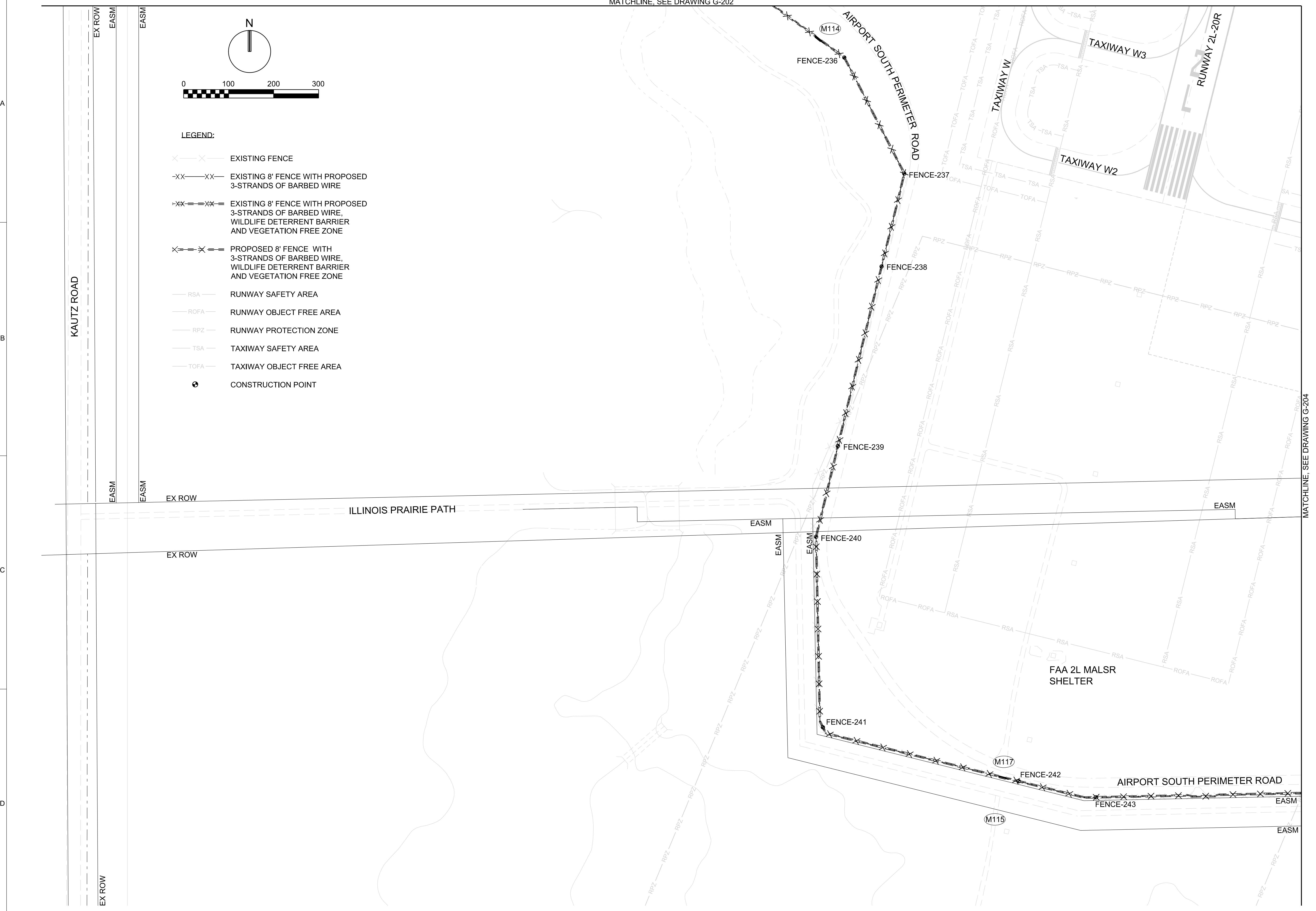
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MATCHLINE, SEE DRAWING G-202



LEGEND:

- EXISTING FENCE
- EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE
- EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
- PROPOSED 8' FENCE WITH 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
- RSA RUNWAY SAFETY AREA
- ROFA RUNWAY OBJECT FREE AREA
- RPZ RUNWAY PROTECTION ZONE
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA
- CONSTRUCTION POINT



MATCHLINE, SEE DRAWING G-204



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8735 W. HIGGINS ROAD
SUITE 400
CHICAGO, IL 60631

PHASE II - UPGRADE WILDLIFE HAZARD FENCING ON SOUTHERN AND WESTERN BOUNDARIES
DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

ch2m
GENERAL
CONSTRUCTION SAFETY / PHASING PLAN DETAILS 3

VERIFY SCALE	
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DWG	G-203
SHEET	10 of 26

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MATCHLINE, SEE DRAWING G-203

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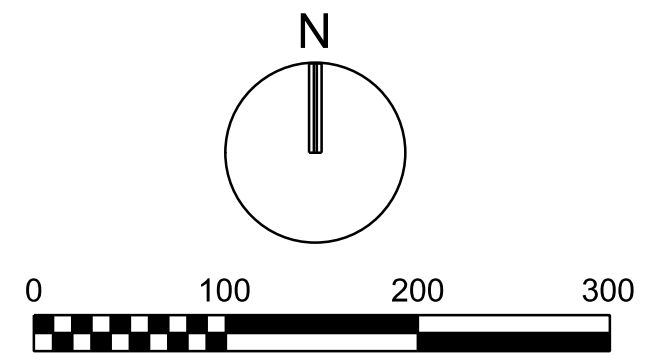
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6

LEGEND:

- EXISTING FENCE
- EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE
- PROPOSED 8' FENCE WITH WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
- PROPOSED 8' FENCE WITH 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
- RSA RUNWAY SAFETY AREA
- ROFA RUNWAY OBJECT FREE AREA
- RPZ RUNWAY PROTECTION ZONE
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA
- CONSTRUCTION POINT



NO.	DATE	DR	TL	CHK	TM	APVD	TM
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CHICAGO, IL 60631

PHASE II - UPGRADE WILDLIFE HAZARD FENCING
ON SOUTHERN AND WESTERN BOUNDARIES

DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

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GENERAL
**FENCING PLAN 4
SAFETY / PHASING
PLAN DETAILS 4**

VERIFY SCALE	
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DATE	2021/02/26
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DWG	G-204
SHEET	11 of 26

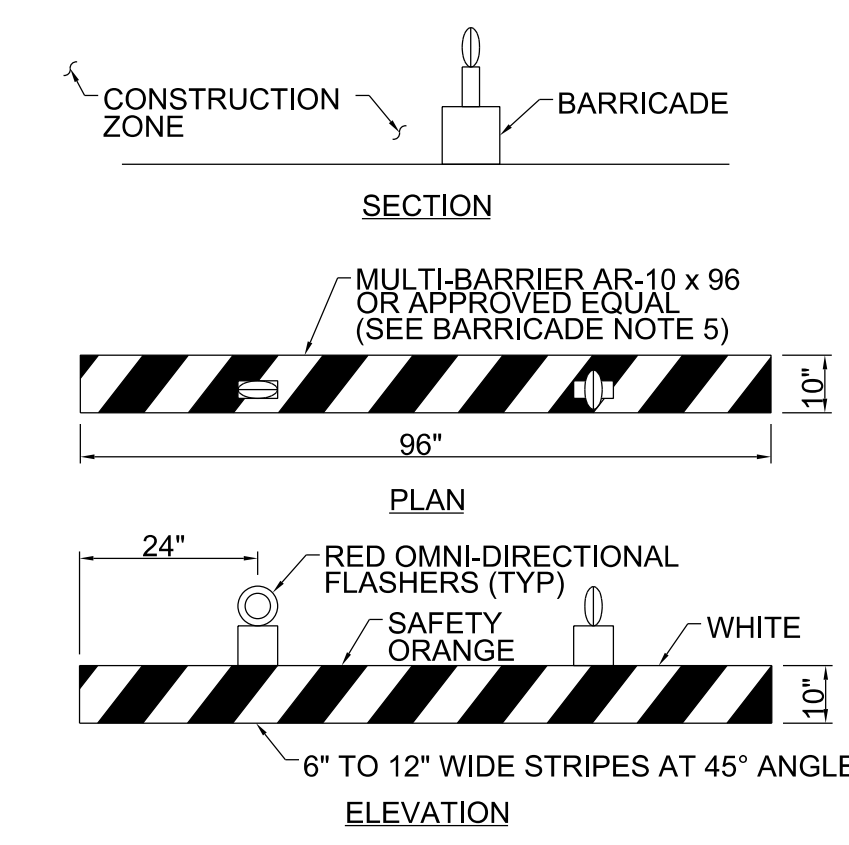
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PHASING POINTS

POINT #	LATITUDE	LONGITUDE	NORTHINGS	EASTINGS	ELEV.	CONST. EQUIP. HEIGHT	MAX. ELEV.	PAVEMENT STATUS	SHEET #
FENCE201	41° 54' 18.42"	88° 15' 20.99"	1,908,024.10	1,005,347.47	758.00	25.00	783.00	No Closure	G-201
FENCE202	41° 54' 18.42"	88° 15' 22.51"	1,908,024.10	1,005,232.33	759.00	25.00	784.00	No Closure	G-201
FENCE203	41° 54' 18.42"	88° 15' 20.99"	1,908,024.10	1,005,347.47	757.00	25.00	782.00	No Closure	G-201
FENCE204	41° 54' 18.42"	88° 15' 22.51"	1,908,024.10	1,005,232.33	755.00	25.00	780.00	No Closure	G-201
FENCE205	41° 54' 18.58"	88° 15' 30.47"	1,908,039.49	1,004,630.51	758.00	25.00	783.00	No Closure	G-201
FENCE206	41° 54' 18.58"	88° 15' 31.21"	1,908,039.15	1,004,574.73	757.00	25.00	782.00	No Closure	G-201
FENCE207	41° 54' 18.41"	88° 15' 33.92"	1,908,021.97	1,004,369.43	756.00	25.00	781.00	No Closure	G-201
FENCE208	41° 54' 18.43"	88° 15' 34.83"	1,908,023.63	1,004,301.00	750.00	25.00	775.00	No Closure	G-201
FENCE209	41° 54' 16.72"	88° 15' 34.84"	1,907,851.22	1,004,300.62	749.00	25.00	774.00	No Closure	G-201
FENCE210	41° 54' 14.28"	88° 15' 34.59"	1,907,604.15	1,004,319.42	751.00	25.00	776.00	No Closure	G-201
FENCE211	41° 54' 13.28"	88° 15' 34.35"	1,907,502.56	1,004,337.59	752.00	25.00	777.00	No Closure	G-201
FENCE212	41° 54' 12.38"	88° 15' 34.26"	1,907,411.67	1,004,344.66	753.00	25.00	778.00	No Closure	G-201
FENCE213	41° 54' 12.31"	88° 15' 31.46"	1,907,404.59	1,004,556.69	757.00	25.00	782.00	No Closure	G-201
FENCE214	41° 54' 12.38"	88° 15' 28.66"	1,907,411.65	1,004,767.90	756.00	25.00	781.00	No Closure	G-201
FENCE215	41° 54' 13.38"	88° 15' 28.57"	1,907,513.00	1,004,774.98	755.00	25.00	780.00	No Closure	G-201
FENCE216	41° 54' 14.38"	88° 15' 28.47"	1,907,614.34	1,004,782.05	755.00	25.00	780.00	No Closure	G-201
FENCE217	41° 54' 14.45"	88° 15' 27.96"	1,907,621.41	1,004,820.82	755.00	25.00	780.00	No Closure	G-201
FENCE218	41° 54' 14.45"	88° 15' 25.53"	1,907,621.41	1,005,004.94	758.00	25.00	783.00	No Closure	G-201
FENCE219	41° 54' 14.69"	88° 15' 21.72"	1,907,646.20	1,005,292.56	755.00	25.00	780.00	No Closure	G-201
FENCE220	41° 54' 14.68"	88° 15' 20.9"	1,907,645.88	1,005,354.44	755.00	25.00	780.00	No Closure	G-201
FENCE221	41° 54' 13.81"	88° 15' 20.9"	1,907,556.91	1,005,354.48	755.00	25.00	780.00	No Closure	G-201
FENCE222	41° 54' 12.91"	88° 15' 20.72"	1,907,466.04	1,005,368.69	753.00	25.00	778.00	No Closure	G-201
FENCE223	41° 54' 11.17"	88° 15' 20.53"	1,907,290.12	1,005,382.89	749.00	25.00	774.00	No Closure	G-201
FENCE224	41° 54' 11.17"	88° 15' 27.97"	1,907,289.74	1,004,820.72	756.00	25.00	781.00	No Closure	G-201
FENCE225	41° 54' 11.18"	88° 15' 34"	1,907,289.80	1,004,364.44	754.00	25.00	779.00	No Closure	G-201
FENCE226	41° 54' 8.97"	88° 15' 36.41"	1,907,066.17	1,004,182.62	749.00	25.00	774.00	No Closure	G-201
FENCE227	41° 54' 6.02"	88° 15' 36.41"	1,906,767.27	1,004,182.65	757.00	25.00	782.00	No Closure	G-201
FENCE228	41° 54' 5.55"	88° 15' 39.96"	1,906,719.47	1,003,914.28	754.00	25.00	779.00	No Closure	G-201
FENCE229	41° 53' 56.98"	88° 15' 42.4"	1,905,852.49	1,003,730.26	759.00	25.00	784.00	No Closure	G-202
FENCE230	41° 53' 46.75"	88° 15' 42.59"	1,904,816.98	1,003,717.21	752.00	25.00	777.00	No Closure	G-202
FENCE231	41° 53' 46.34"	88° 15' 41.24"	1,904,775.36	1,003,818.84	752.00	25.00	777.00	No Closure	G-202
FENCE232	41° 53' 46.77"	88° 15' 38.2"	1,904,819.20	1,004,048.96	752.00	25.00	777.00	No Closure	G-202
FENCE233	41° 53' 46.79"	88° 15' 35.16"	1,904,820.88	1,004,278.97	749.00	25.00	774.00	No Closure	G-202
FENCE234	41° 53' 45.52"	88° 15' 33.47"	1,904,693.27	1,004,406.56	748.00	25.00	773.00	No Closure	G-202
FENCE235	41° 53' 45.51"	88° 15' 29.09"	1,904,692.68	1,004,737.76	748.00	25.00	773.00	No Closure	G-202
FENCE236	41° 53' 41.72"	88° 15' 22.12"	1,904,308.82	1,005,265.14	747.00	25.00	772.00	No Closure	G-203
FENCE237	41° 53' 39.17"	88° 15' 20.36"	1,904,050.74	1,005,398.44	745.00	25.00	770.00	No Closure	G-203
FENCE238	41° 53' 37.13"	88° 15' 21.03"	1,903,844.29	1,005,348.02	745.00	25.00	770.00	No Closure	G-203
FENCE239	41° 53' 33.19"	88° 15' 22.32"	1,903,445.37	1,005,251.00	747.00	25.00	772.00	No Closure	G-203
FENCE240	41° 53' 31.19"	88° 15' 22.97"	1,903,243.38	1,005,202.41	751.00	25.00	776.00	No Closure	G-203
FENCE241	41° 53' 27.01"	88° 15' 22.77"	1,902,820.08	1,005,217.61	755.00	25.00	780.00	No Closure	G-203
FENCE242	41° 53' 25.82"	88° 15' 17.02"	1,902,700.13	1,005,652.85	748.00	25.00	773.00	No Closure	G-203
FENCE243	41° 53' 25.47"	88° 15' 14.75"	1,902,664.42	1,005,824.32	748.00	25.00	773.00	No Closure	G-203
FENCE244	41° 53' 25.56"	88° 15' 8.59"	1,902,673.94	1,006,290.28	745.00	25.00	770.00	No Closure	G-204
FENCE245	41° 53' 25.59"	88° 15' 6.17"	1,902,677.69	1,006,473.28	747.00	25.00	772.00	No Closure	G-204
FENCE246	41° 53' 25.63"	88° 15' 3.34"	1,902,682.04	1,006,687.17	747.00	25.00	772.00	No Closure	G-204
FENCE251	41° 53' 32.77"	88° 14' 53.32"	1,903,405.17	1,007,444.11	746.00	25.00	771.00	No Closure	G-204
FENCE252	41° 53' 32.81"	88° 14' 48.92"	1,903,409.54	1,007,777.23	745.00	25.00	770.00	No Closure	G-204
FENCE253	41° 53' 32.93"	88° 14' 42.55"	1,903,422.23	1,008,259.15	746.00	25.00	771.00	No Closure	G-204
FENCE254	41° 53' 33.02"	88° 14' 36.3"	1,903,432.13	1,008,731.46	746.00	25.00	771.00	No Closure	G-204
FENCE260	41° 53' 25.69"	88° 14' 59.56"	1,903,432.13	1,008,731.46	745.00	25.00	770.00	No Closure	G-204
FENCE261	41° 53' 32.74"	88° 14' 55.35"	1,903,432.13	1,008,731.46	747.00	25.00	772.00	No Closure	G-204

NOTES:

- ALL AIRFIELD PAVEMENT CLOSURES SHALL BE TEMPORARY CLOSURES AS DESCRIBED IN FAA AC 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION". THE CONTRACTOR SHALL COMPLY WITH ALL THE REQUIREMENTS SET FORTH IN THE CONTRACT DOCUMENTS REGARDING AIRFIELD CLOSURES, SAFETY, AND SECURITY.
- PRIOR TO REOPENING CLOSED AIRFIELD PAVEMENTS, THE ENTIRE SAFETY AREA MUST MEET FAA CRITERIA UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. PAVEMENT CLOSURES ARE NOT ANTICIPATED ON THIS PROJECT. LOW-PROFILE BARRICADES BEING UTILIZED TO DELINEATE PAVEMENT EDGE ADJACENT TO CONTRACTOR WORKING AREA.
- FLASHERS TO BE BATTERY OPERATED AND/OR SOLAR POWERED. LENS TO BE RED AND BE ABLE TO ROTATE 90°.
- FACING OF LOW-PROFILE BARRICADE TO BE COVERED WITH REFLECTIVE MATERIAL.
- LOW-PROFILE BARRICADES TO BE PLACED WITH A MAXIMUM 8'-0" GAP BETWEEN BARRICADES ALONG OPERATIONAL PAVEMENT, ADJACENT TO CONSTRUCTION, AS DIRECTED BY THE PROJECT MANAGER. ONE ORANGE DELINEATOR CONE SHALL BE INSTALLED AT THE MIDPOINT BETWEEN BARRICADES.
- FLASHERS SHALL BE SECURED TO THE BARRICADES, PER MANUFACTURER'S INSTRUCTIONS. ALTERNATE FLASHER LENSES SO THAT EVERY OTHER LENS IS ROTATED 90°.
- LOW -PROFILE BARRICADES SHALL BE OF LOW MASS, EASILY COLLAPSIBLE UPON CONTACT WITH AN AIRCRAFT OR ANY OF IT'S COMPONENTS, AND WEIGHTED OR STURDILY ATTACHED TO THE SURFACE. IF AFFIXED TO THE SURFACE, THE BARRICADE MUST BE FRANGIBLE AT GRADE LEVEL OR AS LOW AS POSSIBLE, NOT TO EXCEED 3 INCHES ABOVE THE GROUND.
- THE CONTRACTOR SHALL PROVIDE BARRICADES AND DELINEATOR CONES WITH RED FLASHING BATTERY OPERATED LIGHTS AS SHOWN IN GOOD WORKING ORDER. CONTRACTOR SHALL MAINTAIN ALL BARRICADES AND ENSURE THEY ARE IN WORKING ORDER TWENTY-FOUR (24) HOURS A DAY, FOR THE DURATION OF THE PROJECT. THE BARRICADE LIGHTING SHALL BE CHECKED NIGHTLY BY THE CONTRACTOR.
- THE LIGHTS SHALL BE OPERATIONAL AT EACH BARRICADE LOCATION AT ALL TIMES. ANY LIGHTS FOUND NON-OPERATIONAL SHALL BE REPAIRED IMMEDIATELY WITH EMERGENCY CONTACT NUMBER 24/7.
- ALL BARRICADES SHALL BE CHECKED VISUALLY FOR SIGNS OF WEAR AND TEAR ON A DAILY BASIS AND SHALL BE REPAINTED OR REPLACED WHEN DEEMED APPROPRIATE BY THE RESIDENT ENGINEER. THE CONDITIONS OF LIGHTING UNITS SHALL BE CHECKED DAILY. ALL LIGHT FIXTURES SHALL BE VERIFIED IN OPERATING CONDITION AND GOOD WORKING ORDER BY THE CONTRACTOR ON A DAILY BASIS, BEFORE THE CONTRACTOR CEASES OPERATIONS FOR THE DAY.
- LOW PROFILE BARRICADES TO BE LOCATED AS IDENTIFIED ON SHEET G-105 AND AS IDENTIFIED IN PHASING NOTES.



1 NTS LOW-PROFILE BARRICADE DETAIL



8735 W. HIGGINS ROAD SUITE 400 CHICAGO, IL 60631	PHASE II - UPGRADE WILDLIFE HAZARD FENCING ON SOUTHERN AND WESTERN BOUNDARIES DUPAGE AIRPORT (DPA) WEST CHICAGO, IL	NO. 1	DATE 2021/02/26	DR	TL	CHK	TM	APVD	TM
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PHASE II - UPGRADE WILDLIFE HAZARD FENCING ON SOUTHERN AND WESTERN BOUNDARIES
DUPAGE AIRPORT (DPA)
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CONSTRUCTION SAFETY / PHASING PLAN DETAILS 5

NTS
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE	2021/02/26
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SHEET	12 of 26

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FENCING NOTES:

1. PROPOSED WORK WILL REQUIRE THE OPENING OF THE AOA FENCE LINE. THE CONTRACTOR WILL BE REQUIRED AT HIS EXPENSE TO RESTORE THE INTEGRITY OF THE AOA FENCE LINE AT THE COMPLETION OF DAILY WORK ACTIVITIES TO THE SATISFACTION OF THE RESIDENT ENGINEER. TEMPORARY FENCE MAY BE REQUIRED AND CONSIDERED A TEMPORARY SECURITY MEASURE FOR THE AOA, THE COST OF THE TEMPORARY FENCE WILL BE INCIDENTAL.
2. EXISTING 6' SECURITY FENCING, POSTS, AND FOUNDATIONS SHALL BE REMOVED ALONG THE LOCATION OF THE PROPOSED 8' FENCE WITH 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT FENCE BARRIER AND 4' VEGETATION FREE ZONE. EXISTING 6' FABRIC MAY BE REUSED AS WILDLIFE FENCE FABRIC. SEE SHEET C-503, DETAIL 3.
3. FOR WILDLIFE DETERRENT CONCRETE PAD SEE SHEET C-502, DETAIL 5.
4. THE CONTRACTOR SHALL COMPLETE A THOROUGH UTILITY LOCATE PRIOR TO COMMENCING WITH CONSTRUCTION. THE CONTRACTOR SHALL IDENTIFY TYPE, HORIZONTAL LAYOUT, AND VERTICAL DEPTH OF ALL UTILITIES PRIOR TO COMMENCING CONSTRUCTION. ANY UTILITY LINE OR STRUCTURE TO REMAIN THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AT NO ADDITIONAL COST TO THE OWNER.
5. PRIOR TO FABRICATION AND CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY EXISTING GATE LENGTH, TYPE AND LOCATION. PROPOSED GATE LOCATIONS TO BE COORDINATED WITH RESIDENT ENGINEER.
6. ALL SIGNAGE MOUNTED ON EXISTING FENCING AND GATES SHALL BE SALVAGED AND PLACED IN THE SAME LOCATION ON THE NEW FENCE LINE. SALVAGING OF EXISTING SIGNAGE AND INSTALLATION ON NEW FENCING IS INCIDENTAL TO ITEM AR162508.
7. ALL EXISTING CATCH BASINS ALONG FENCE ALIGNMENT ARE TO BE PROTECTED. ANY DAMAGE BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
8. WORK AREA ASSOCIATED WITH FENCING CONSTRUCTION WILL BE RESTORED TO THE SATISFACTION OF THE RESIDENT ENGINEER. RESTORATION MAY REQUIRE GRADING, TOPSOIL, SEEDING AND REMOVAL OF EXISTING GRINDINGS WITH COSTS INCIDENTAL TO THE CONTRACT.
9. 2' OF CA-6 SHALL BE PLACED ON EITHER SIDE OF THE PROPOSED FENCE LINE. THE CA-6 SHALL BE 6" DEEP. SEE SHEET C-503. PRIOR TO PLACEMENT OF CA-6 THIS AREA IS TO BE EXCAVATED TO A DEPTH OF 6" FOR THE 4' TOTAL WIDTH. THIS EXCAVATION TO BE PAID UNDER ITEM AR152460 TOPSOIL STRIPPING. ALL OTHER TOPSOIL REMOVAL IS INCIDENTAL TO THE ASSOCIATED PAY ITEM.
10. CONTRACTOR SHALL INSTALL NEW GATE TO PROVIDE A COMPLETE WORKING UNIT. THE GATE WORK SHALL INCLUDE THE GATE AND ALL OTHER ELEMENTS REQUIRED FOR A FULLY FUNCTIONAL GATE. THE EXISTING POWER SOURCE AND GATE OPERATOR ARE TO BE USED FOR THE NEW GATE.
11. NEW GATES TO BE INSTALLED WITH 4" CLEAR ABOVE GRADE. EXISTING GATES TO BE ADJUSTED TO 4" CLEAR ABOVE GRADE. REQUIRED CURB CUTS AND GRADE ADJUSTMENTS OUTSIDE THE PAVEMENT AREA TO BE INCIDENTAL TO THE COST OF THE GATE ADJUSTMENT.
12. SEE GENERAL NOTES, SHEET G-102, FOR ADDITIONAL REQUIREMENTS.
13. CONTRACTOR TO REMOVE, STORE AND RE AFFIX GATE DESIGNATION PLACARDS AND FENCING SIGNAGE TO NEW FENCING.
14. ALL EXISTING SECURITY GATES WITHIN PROJECT LIMITS TO HAVE 3 STRAND BARBED WIRE ADDED TO FENCE. 3 STRAND BARBED WIRE FOR EXISTING GATES WILL BE PAID PER LINEAR FOOT LIKE THE 3 STRAND BARBED WIRE TO BE ADDED TO EXISTING FENCE. FOR NEW GATES THE BARBED WIRE IS INCLUDED IN THE GATE PRICE.
15. CONTRACTOR TO FIELD VERIFY EXISTING GATE DIMENSIONS PRIOR TO COMPLETION AND SUBMISSION OF SHOP DRAWINGS. ALL GATES WILL BE PAID UNDER THE LINE ITEMS IDENTIFIED IN THE GATE SCHEDULE.

GATE SCHEDULE					
EXISTING GATE DESIGNATION	PROPOSED GATE DESIGNATION	PROPOSED TYPE	CLEAR OPENING	PAY ITEM(S)	WORK DESCRIPTION
V106	V106	EXISTING (COMBINATION)	10-FT (SWING) 12-FT (SLIDE)	AR162948	REMAIN IN PLACE, ADJUST
V107	V107	(CANTILEVER SLIDE)	20-FT (SLIDE)	AR162948	REMAIN IN PLACE, ADJUST
P108	P108	EXISTING PED	4-FT	-	REMAIN IN PLACE
V108	V108	EXISTING (CANTILEVER SLIDE)	12-FT (SLIDE)	AR162908, AR162712	REMOVE AND REPLACE
V109	V109	EXISTING (COMBINATION)	10-FT (SWING) 14-FT (SLIDE)	-	REMAIN IN PLACE
V110	V110	EXISTING (COMBINATION)	8-FT (SWING) 16-FT (SLIDE)	AR162908, AR162910, AR162608, AR162716	REMOVE AND REPLACE
M111	M111A	EXISTING (COMBINATION-MANUAL)	10-FT (SWING) 24-FT (SLIDE)	AR162910, AR162920, AR162610, AR162224	REMOVE AND REPLACE
-	M111B	PROPOSED (COMBINATION-MANUAL)	10-FT (SWING) 24-FT (SLIDE)	AR162610, AR162224	NEW INSTALL
M112	M112	EXISTING	EXISTING	-	REMAIN IN PLACE
M113	M113	EXISTING	EXISTING	-	REMAIN IN PLACE
M114	M114	EXISTING (CANTILEVER SLIDE-MANUAL)	16-FT (SLIDE)	AR162920, AR162216	REMOVE AND REPLACE
M115	M115	EXISTING	EXISTING	-	REMAIN IN PLACE
M117	M117	EXISTING (CANTILEVER SLIDE-MANUAL)	16-FT (SLIDE)	AR162920, AR162216	REMOVE AND REPLACE
M119	M119	EXISTING	EXISTING	-	REMAIN IN PLACE
M121	M121	EXISTING	EXISTING	-	REMAIN IN PLACE
-	M122	PROPOSED (CANTILEVER SLIDE-MANUAL)	16-FT (SLIDE)	AR162216	NEW INSTALL
M123	M123	EXISTING	EXISTING	-	REMAIN IN PLACE

NOTE: SEE SHEETS C-201 THRU C-204 FOR PLAN VIEW DETAILS.



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8735 W. HIGGINS ROAD
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PHASE II - UPGRADE WILDLIFE HAZARD FENCING
ON SOUTHERN AND WESTERN BOUNDARIES
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WEST CHICAGO, IL

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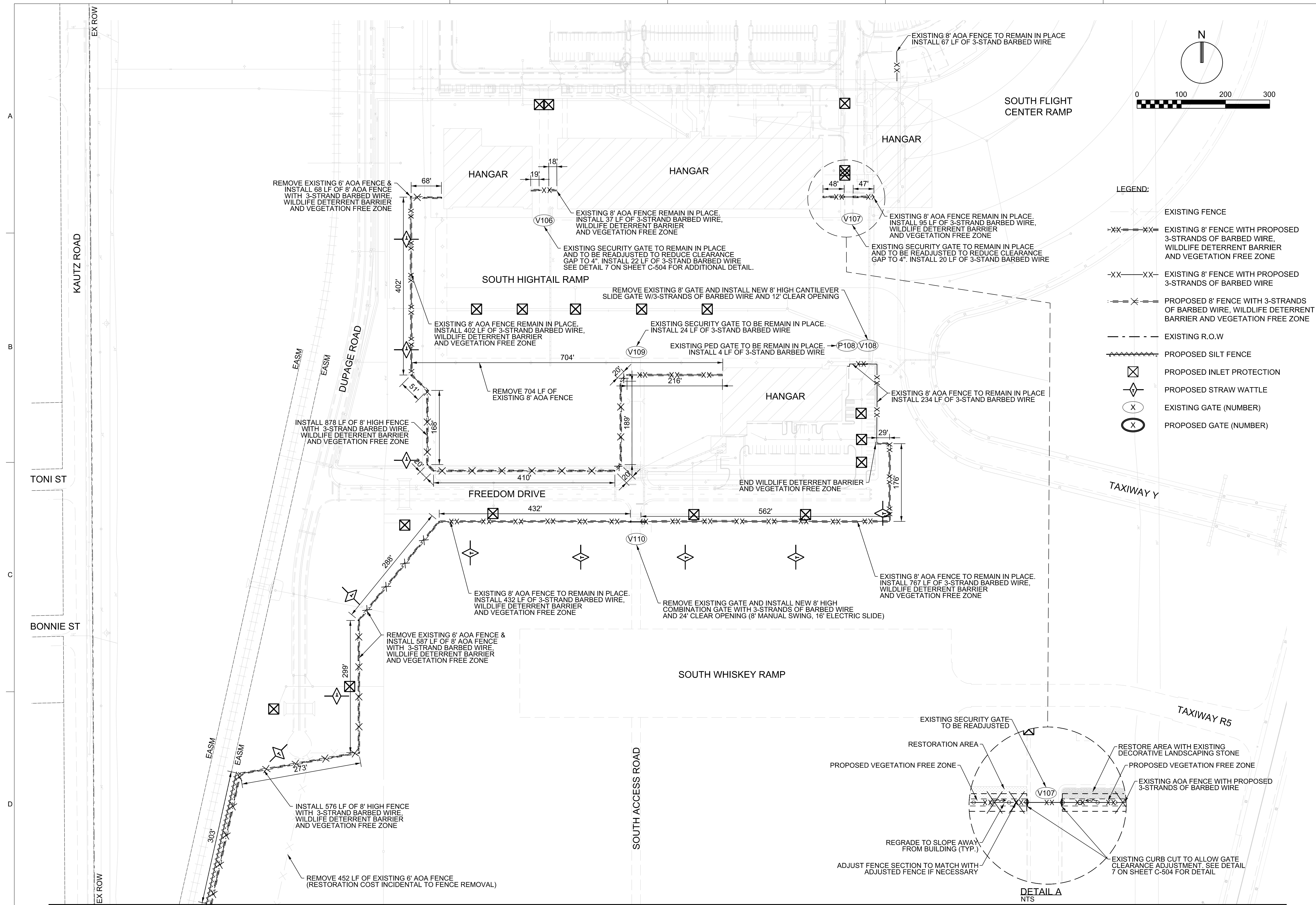
**FENCING NOTES
AND GATE SCHEDULE**

1" = 100'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.

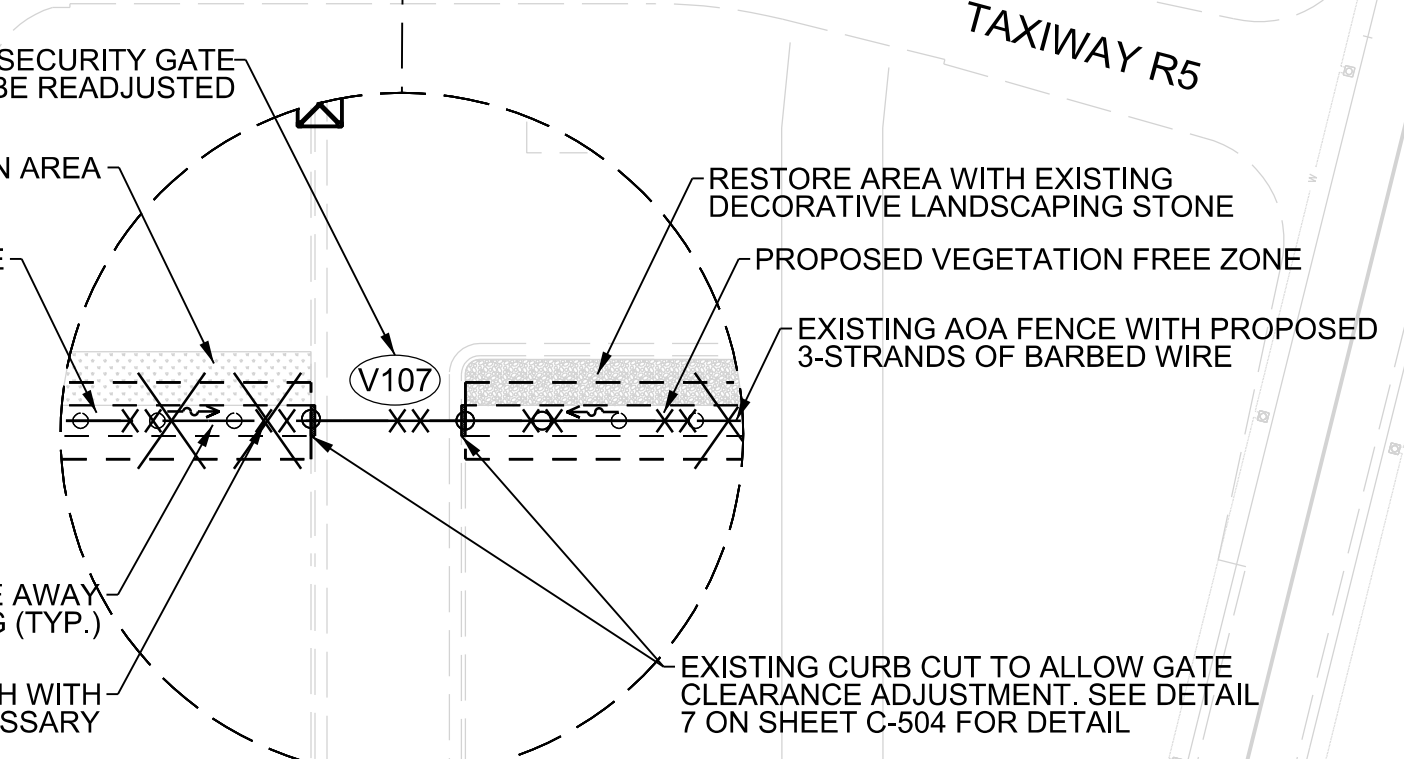
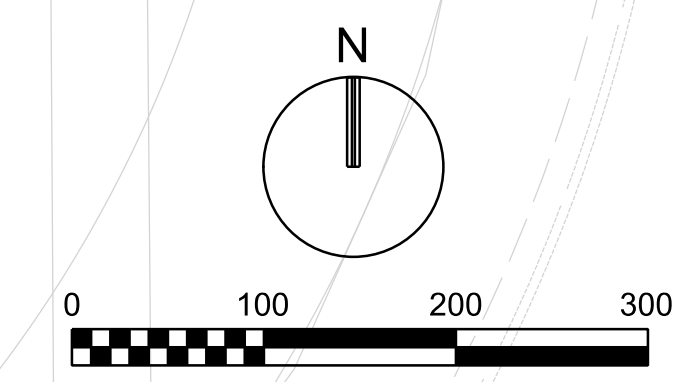
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SHEET	13 of 26

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1 2 3 4 5 6



- LEGEND:**
- X---X--- EXISTING FENCE
 - XX-XX- EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
 - XX-XX- EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE
 - X-X-X- PROPOSED 8' FENCE WITH 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
 - - - - - EXISTING R.O.W
 - - - - - PROPOSED SILT FENCE
 - ⊠ PROPOSED INLET PROTECTION
 - ◇ PROPOSED STRAW WATTLE
 - ⊗ EXISTING GATE (NUMBER)
 - ⊗ PROPOSED GATE (NUMBER)



MATCHLINE, SEE DRAWING C-202

8735 W. HIGGINS ROAD
SUITE 400
CHICAGO, IL 60631

PHASE II - UPGRADE WILDLIFE HAZARD FENCING
ON SOUTHERN AND WESTERN BOUNDARIES

DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

ch2m
CIVIL
FENCING PLAN 1

NO.	DATE	REVISION	BY	APVD	TM
1	2021/02/26	100% SUBMITTAL			

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VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

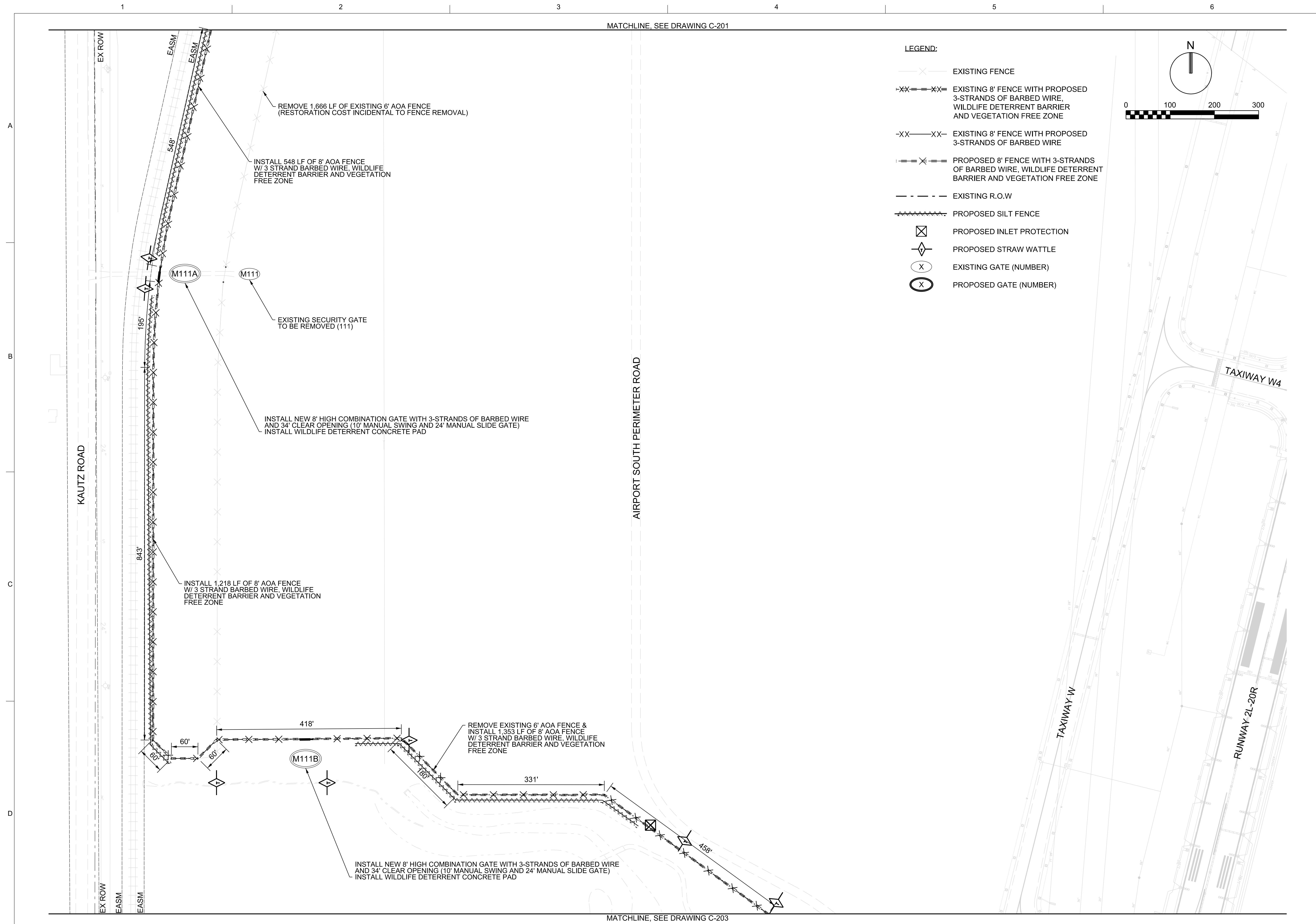
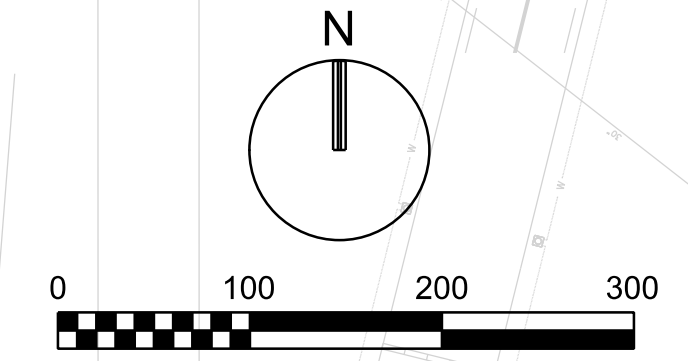
DATE: 2021/02/26
PROJ: DPA-4773
DWG: C-201
SHEET: 14 of 26

FILENAME: 4773-C-201-FENC.dgn PLOT DATE: 2021/02/23 PLOT TIME: 8:08:19 PM

MATCHLINE, SEE DRAWING C-201

LEGEND:

- X—X— EXISTING FENCE
- XX-XX- EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
- XX-XX- EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE
- X-X-X- PROPOSED 8' FENCE WITH 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
- - - - - EXISTING R.O.W
- XXXXXX PROPOSED SILT FENCE
- ☒ PROPOSED INLET PROTECTION
- ◇ PROPOSED STRAW WATTLE
- ⊗ EXISTING GATE (NUMBER)
- ⊗ PROPOSED GATE (NUMBER)



REMOVE 1,666 LF OF EXISTING 6' AOA FENCE (RESTORATION COST INCIDENTAL TO FENCE REMOVAL)

INSTALL 548 LF OF 8' AOA FENCE W/ 3 STRAND BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE

EXISTING SECURITY GATE TO BE REMOVED (111)

INSTALL NEW 8' HIGH COMBINATION GATE WITH 3-STRANDS OF BARBED WIRE AND 34' CLEAR OPENING (10' MANUAL SWING AND 24' MANUAL SLIDE GATE) INSTALL WILDLIFE DETERRENT CONCRETE PAD

INSTALL 1,218 LF OF 8' AOA FENCE W/ 3 STRAND BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE

REMOVE EXISTING 6' AOA FENCE & INSTALL 1,353 LF OF 8' AOA FENCE W/ 3 STRAND BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE

INSTALL NEW 8' HIGH COMBINATION GATE WITH 3-STRANDS OF BARBED WIRE AND 34' CLEAR OPENING (10' MANUAL SWING AND 24' MANUAL SLIDE GATE) INSTALL WILDLIFE DETERRENT CONCRETE PAD

MATCHLINE, SEE DRAWING C-203



NO.	DATE	DR	TL	CHK	TM	APVD	TM
1	2021/02/26						
100% SUBMITTAL				REVISION			

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CHICAGO, IL 60631

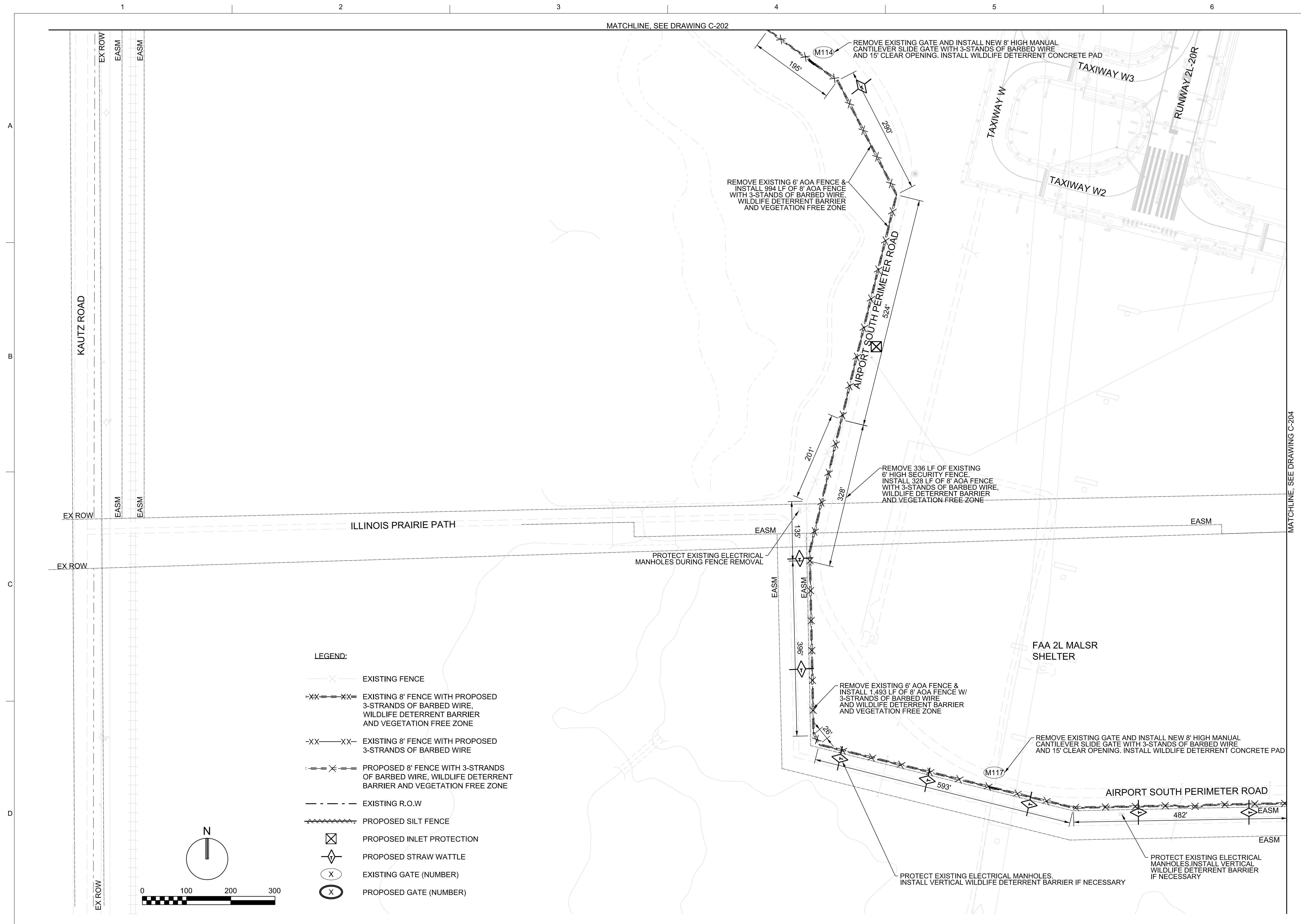
PHASE II - UPGRADE WILDLIFE HAZARD FENCING ON SOUTHERN AND WESTERN BOUNDARIES
DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

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CIVIL
FENCING PLAN 2

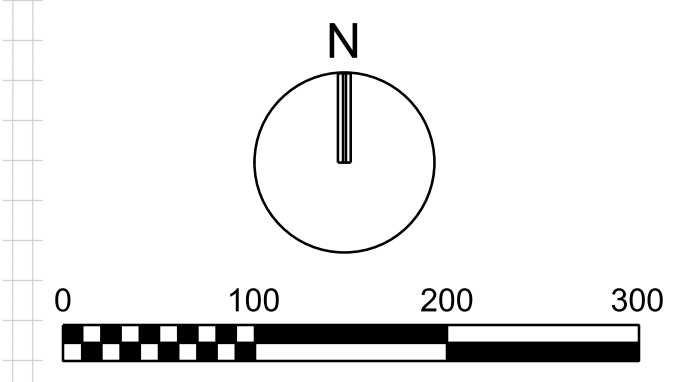
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2021/02/26
PROJ	DPA-4773
DWG	C-202
SHEET	15 of 26

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MATCHLINE, SEE DRAWING C-202



- LEGEND:**
- X-X- EXISTING FENCE
 - XX-XX- EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
 - XX-XX- EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE
 - XX-XX- PROPOSED 8' FENCE WITH 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
 - - - - EXISTING R.O.W
 - - - - PROPOSED SILT FENCE
 - ⊠ PROPOSED INLET PROTECTION
 - ◇ PROPOSED STRAW WATTLE
 - ⊗ EXISTING GATE (NUMBER)
 - ⊗ PROPOSED GATE (NUMBER)



MATCHLINE, SEE DRAWING C-204



NO.	DATE	DR	TL	APVD	TM
1	2021/02/26				
100% SUBMITTAL			CHK	TM	
REVISION			TL	BY	APVD
			TL	TM	

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PHASE II - UPGRADE WILDLIFE HAZARD FENCING ON SOUTHERN AND WESTERN BOUNDARIES

DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

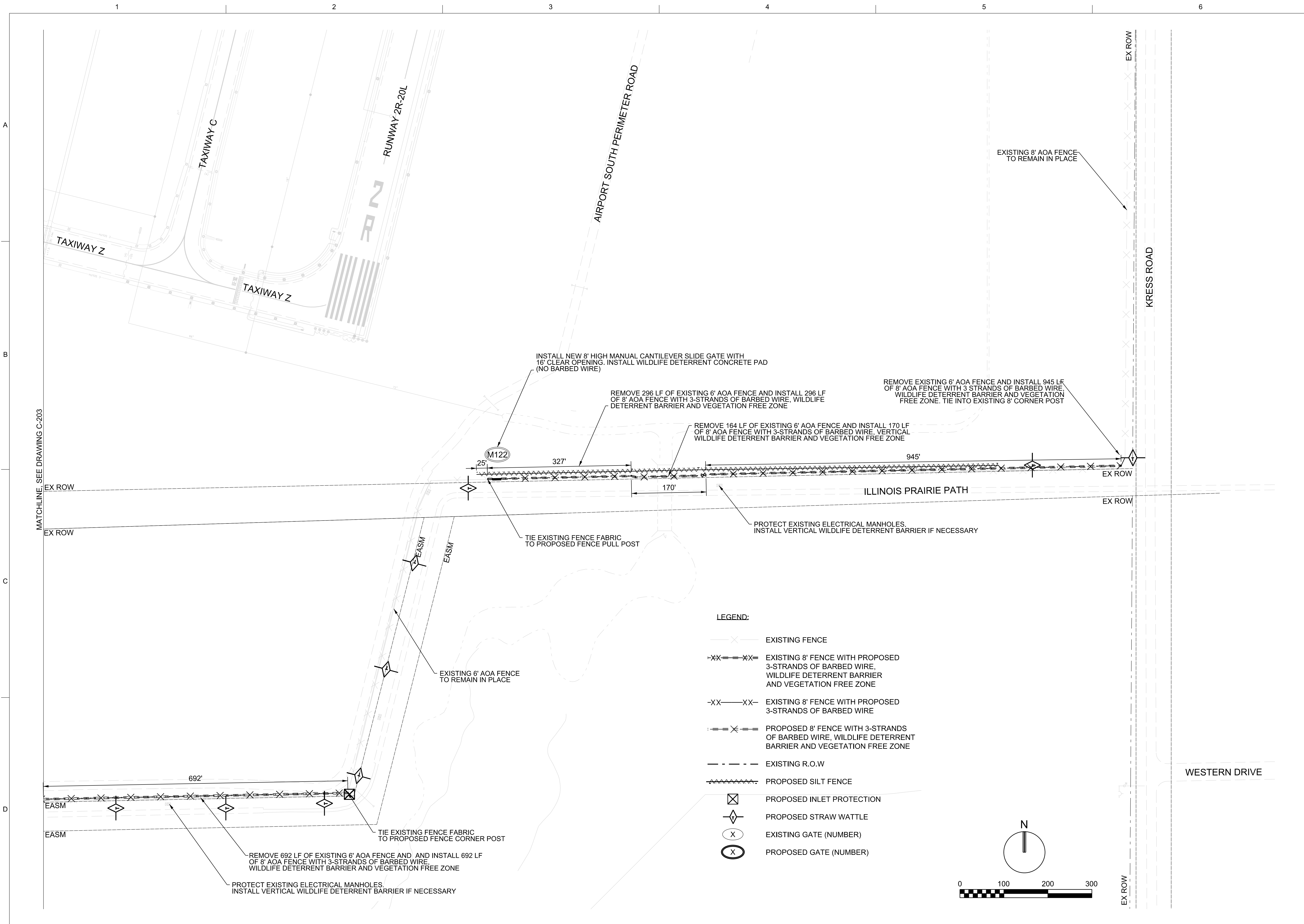
ch2m
CIVIL
FENCING PLAN 3

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.

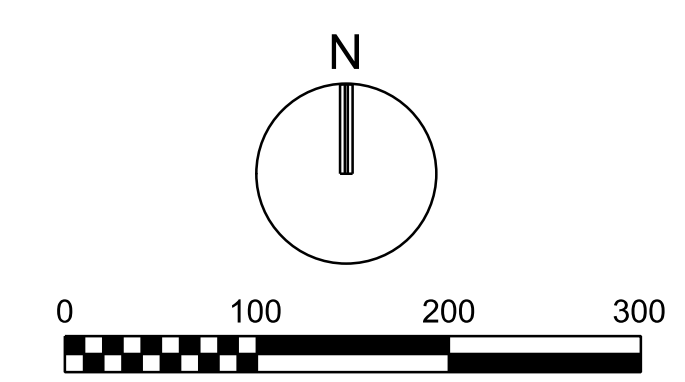
DATE	2021/02/26
PROJ	DPA-4773
DWG	C-203
SHEET	16 of 26

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- LEGEND:**
- EXISTING FENCE
 - EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
 - EXISTING 8' FENCE WITH PROPOSED 3-STRANDS OF BARBED WIRE
 - PROPOSED 8' FENCE WITH 3-STRANDS OF BARBED WIRE, WILDLIFE DETERRENT BARRIER AND VEGETATION FREE ZONE
 - EXISTING R.O.W
 - PROPOSED SILT FENCE
 - PROPOSED INLET PROTECTION
 - PROPOSED STRAW WATTLE
 - EXISTING GATE (NUMBER)
 - PROPOSED GATE (NUMBER)



NO.	DATE	DR	TL	CHK	APVD	TM
1	2021/02/26					
100% SUBMITTAL				REVISION	APVD	TM
				BY	APVD	TM
				TL		

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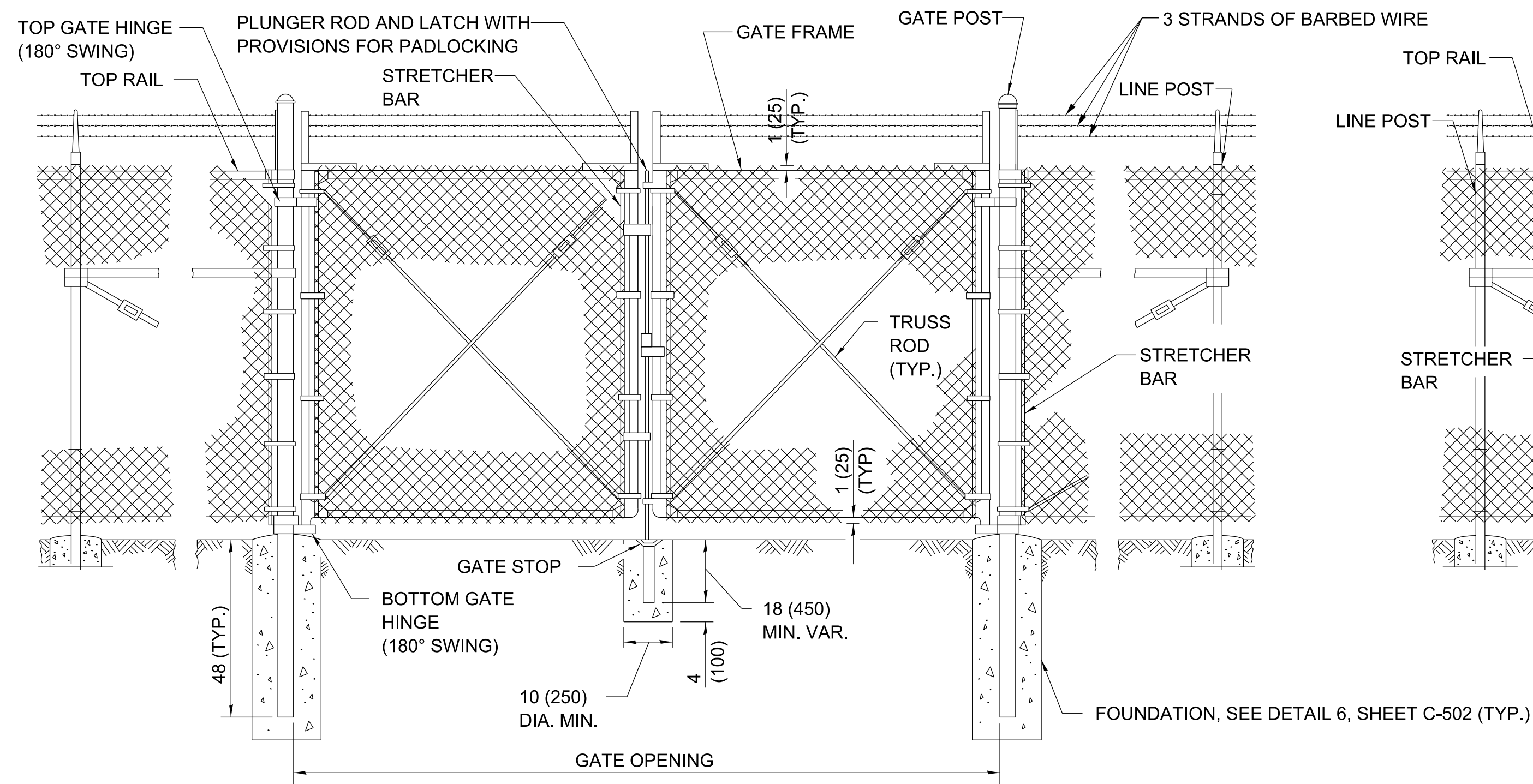
PHASE II - UPGRADE WILDLIFE HAZARD FENCING ON SOUTHERN AND WESTERN BOUNDARIES
DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

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CIVIL
FENCING PLAN 4

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.

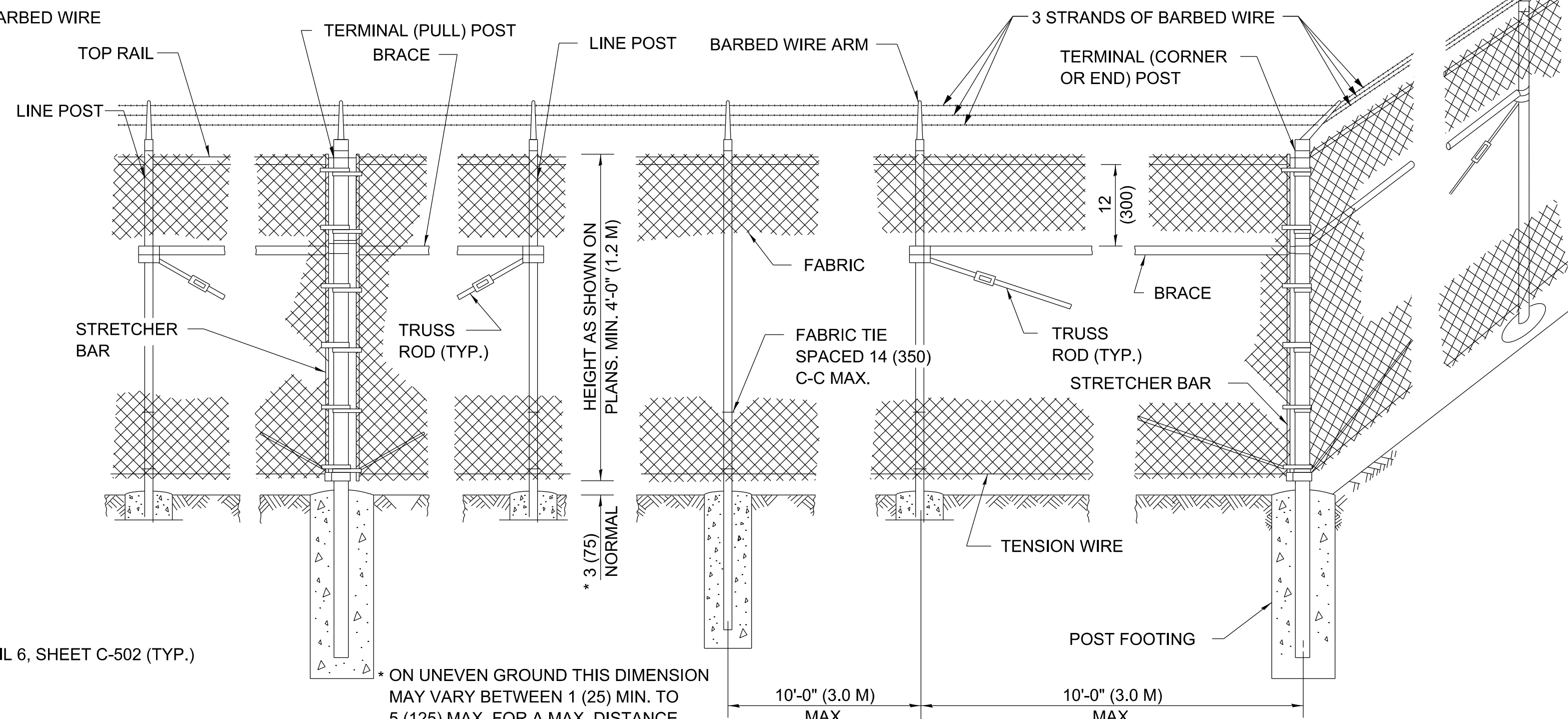
DATE	2021/02/26
PROJ	DPA-4773
DWG	C-204
SHEET	17 of 26

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SWING GATE

1 CHAIN LINK SWING GATE DETAILS
NTS

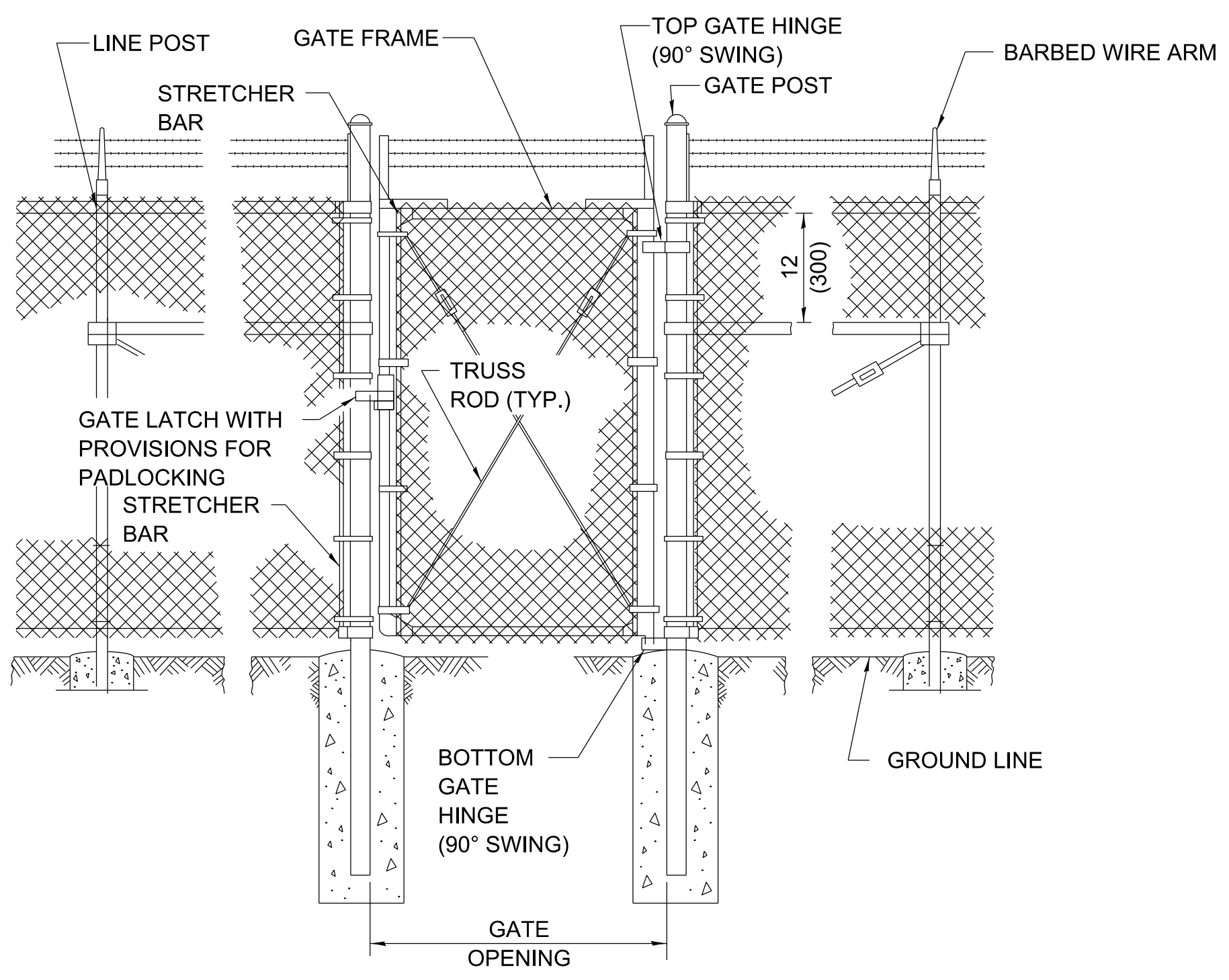


PULL POST ARRANGEMENT

LINE POST ARRANGEMENT

CORNER OR END POST ARRANGEMENT

2 CHAIN LINK FENCE DETAILS
NTS



3 PEDESTRIAN SWING GATE
NTS

GENERAL NOTES

- PULL POSTS SHALL BE PLACED AT LOCATIONS DETERMINED BY THE RESIDENT 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).
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- CONSTRUCTION METHOD AND MATERIALS SHOULD BE PER PROJECT SPECIAL PROVISIONS. INFORMATION SHOWN IN PLAN DETAILS TO BE SUPERCEDED BY PROJECT SPECIAL PROVISIONS WHEN IN CONFLICT.
- SEE SHEET C-200 FOR GATE SCHEDULE INFORMATION.
- LOCATIONS IDENTIFIED WITHOUT BARBED WIRE TO HAVE TOP CAPS ON THE POST.

NO.	1	DATE	2021/02/26	DR	TL	APVD	TM
DSGN		CHK		APVD			
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ON SOUTHERN AND WESTERN BOUNDARIES

DUPAGE AIRPORT (DPA)
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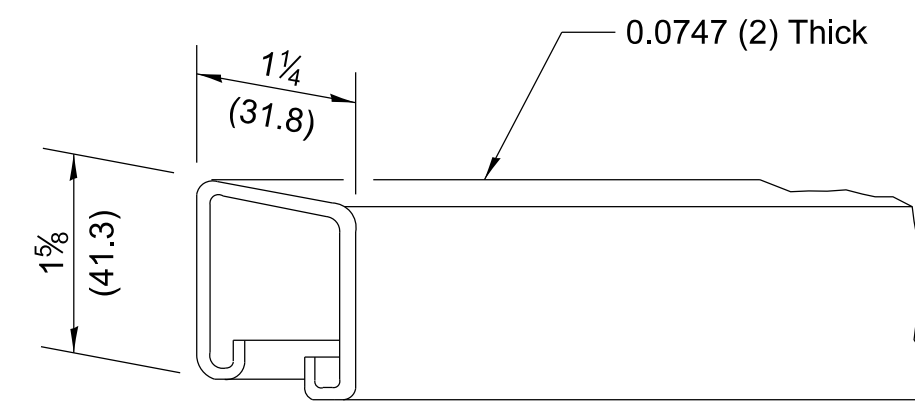
FENCE DETAILS 1

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.

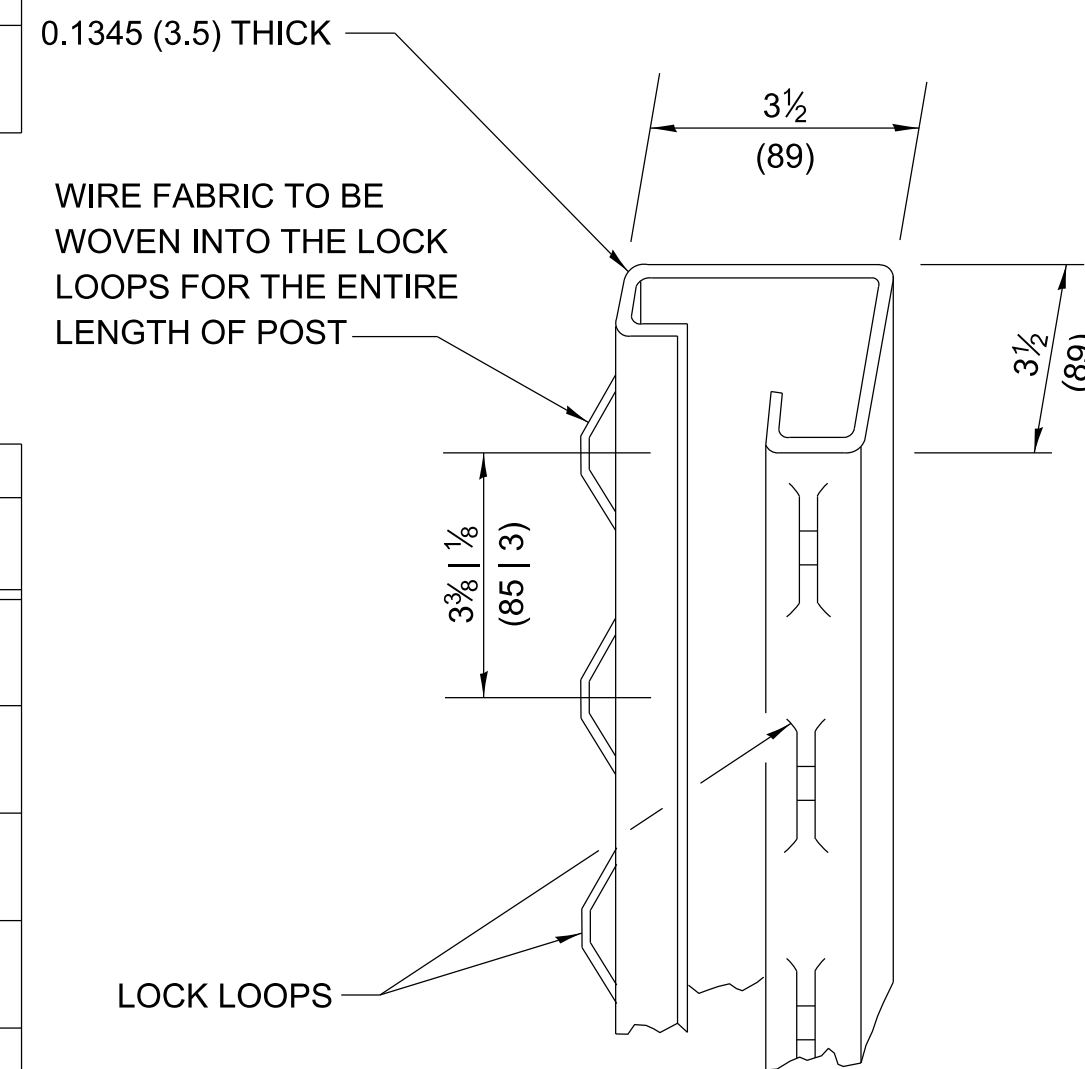
DATE	2021/02/26
PROJ	DPA-4773
DWG	C-501
SHEET	18 of 26

LINE POST	
Section	lbs./ft. (kg/m)
Pipe Type 2.50 (63.5) O.D.	3.11 (4.63)
H 1.875x1.625 (47.6x41.3)	2.72 (4.05)
□	1.60 (2.38)
I	2.30 (3.42)



1 ROLL FORMED SECTION OF BRACE
NTS

TERMINAL POST	
Section	lbs./ft. (kg/m)
Pipe 3.0 (76.2) O.D.	3.65 (5.43)
Roll Formed 3 1/2 x 3 1/2 (89.0 x 89.0)	See detail
Sq. Tubing 2 1/2 x 2 1/2 (63.5 x 63.5)	4.32 (6.43)



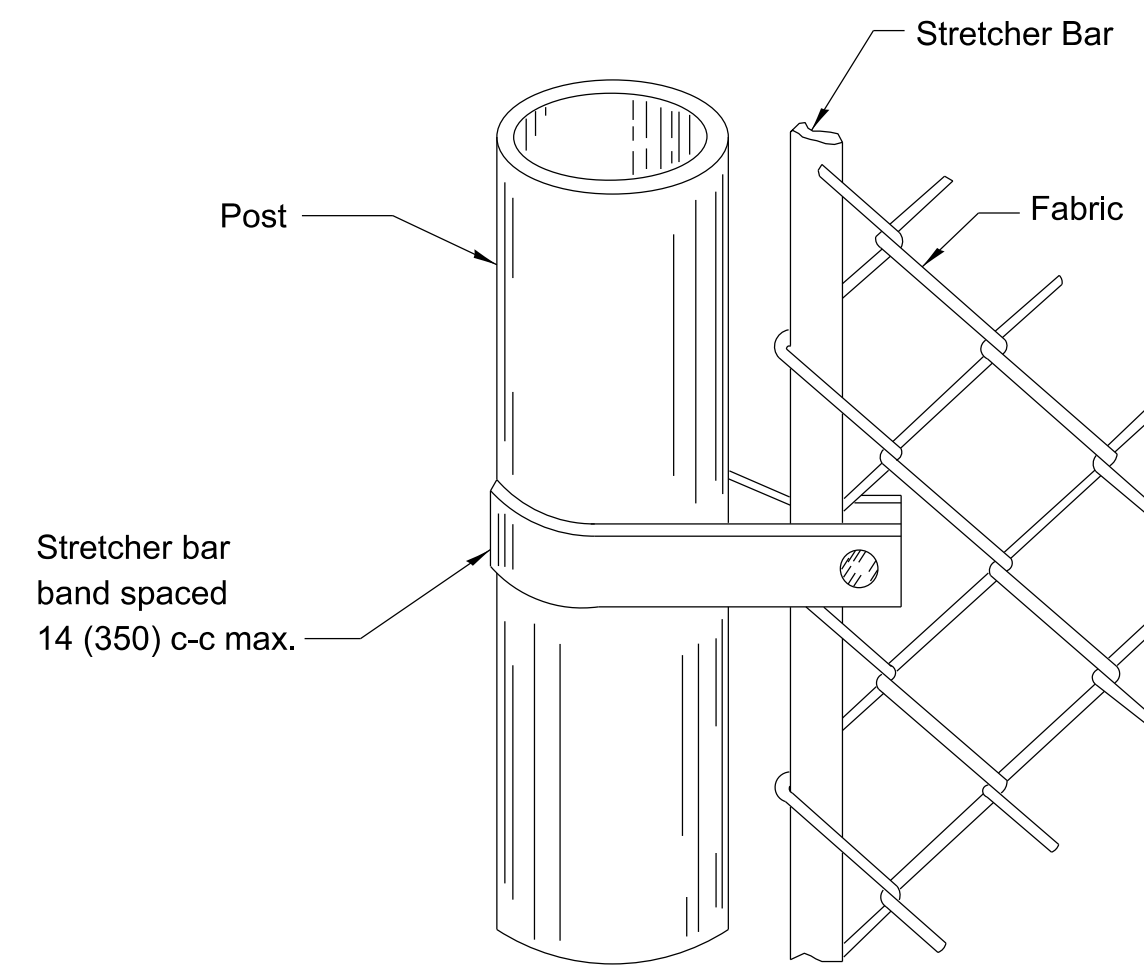
4 ROLL FORMED SECTION OF TERMINAL AND GATE POST
NTS

HORIZONTAL BRACES	
Section	lbs./ft. (kg/m)
Pipe Type A 1.66 (42.2) O.D.	2.27 (3.38)
Pipe Type B 1.66 (42.2) O.D.	1.83 (2.72)
Pipe Type C 1.66 (42.2) O.D.	1.82 (2.71)
H 1.31x1.5 (33.3x38.1)	2.25 (3.35)
Roll Formed 1 5/8 x 1 1/4 (41.3 x 31.8)	See detail

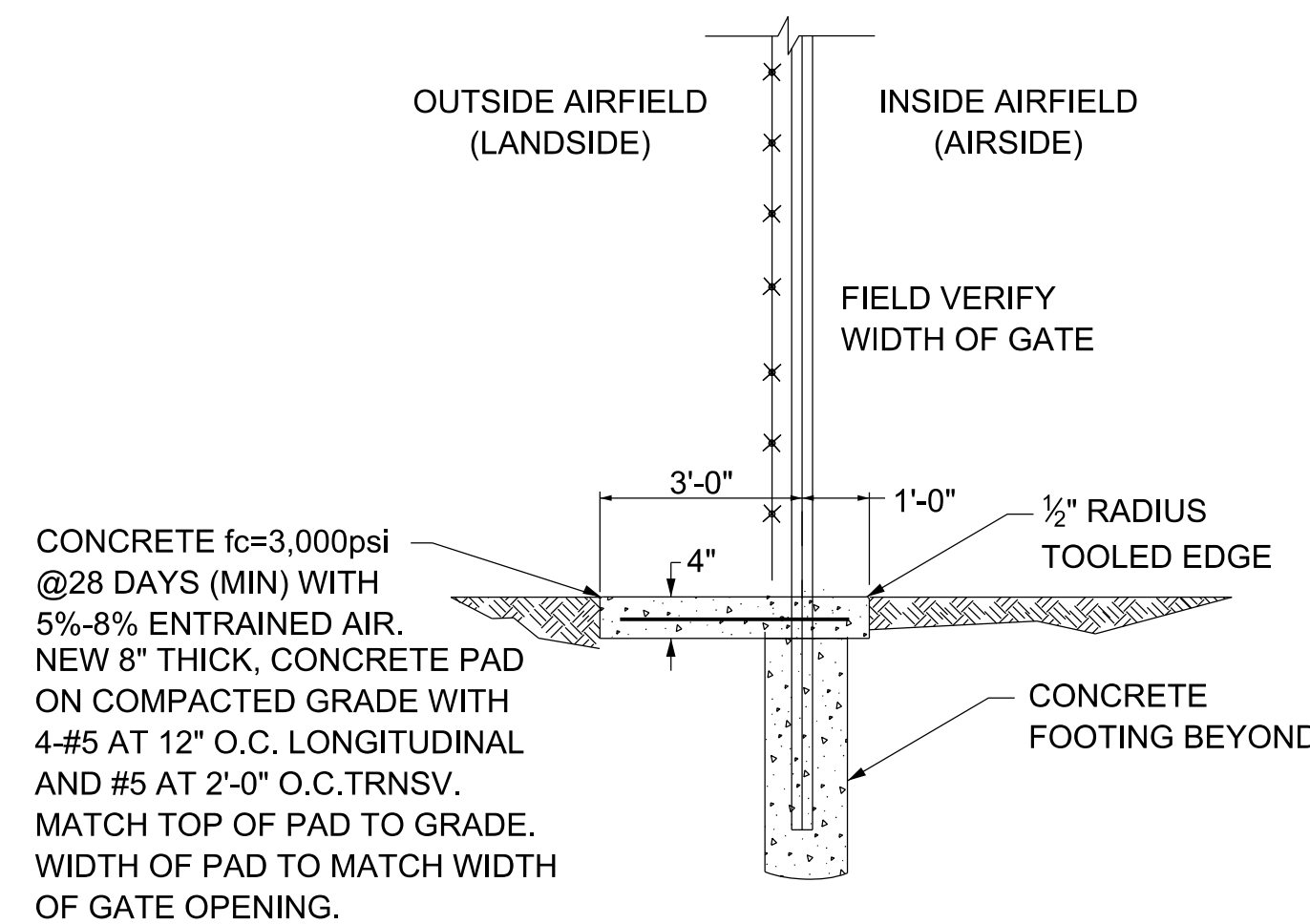
GATE FRAMES - SEE ITEM 162 IN PROJECT SPECIAL PROVISIONS FOR DETAILS

GATE POSTS *					
Gate Opening * ft. (m)		Pipe		Sq. Tubing	
Single	Double	Size (O.D.)	lbs./ft. (kg/m)	Size	lbs./ft. (kg/m)
Up to 6 (1.8)	Up to 12 (3.7)	3.0 (76.2)	4.64 (6.91)	3 (76.2)	5.78 (8.60)
Over 6 (1.8) to 12 (3.7)	Over 12 (3.7) to 25 (7.6)	4.0 (101.6)	6.56 (9.77)	3 (76.2)	8.80 (13.10)

* The 3 1/2 x 3 1/2 (89.0 x 89.0) roll formed section as detailed may be used as gate posts for single gate up to 6' (1.8 m) and double gate up to 12' (3.6 m).

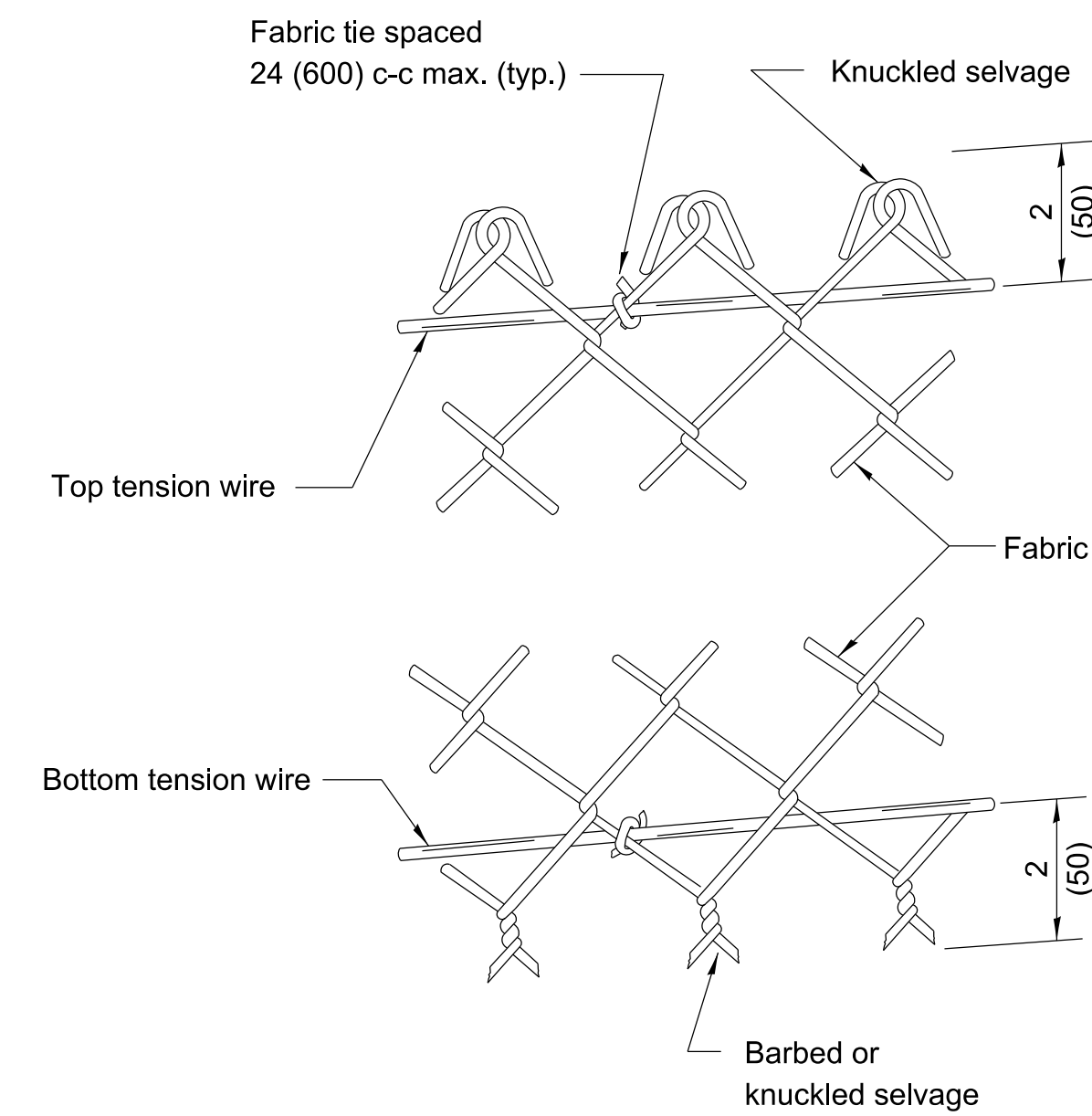


2 METHOD OF FASTENING STRETCHER BAR TO POST
NTS

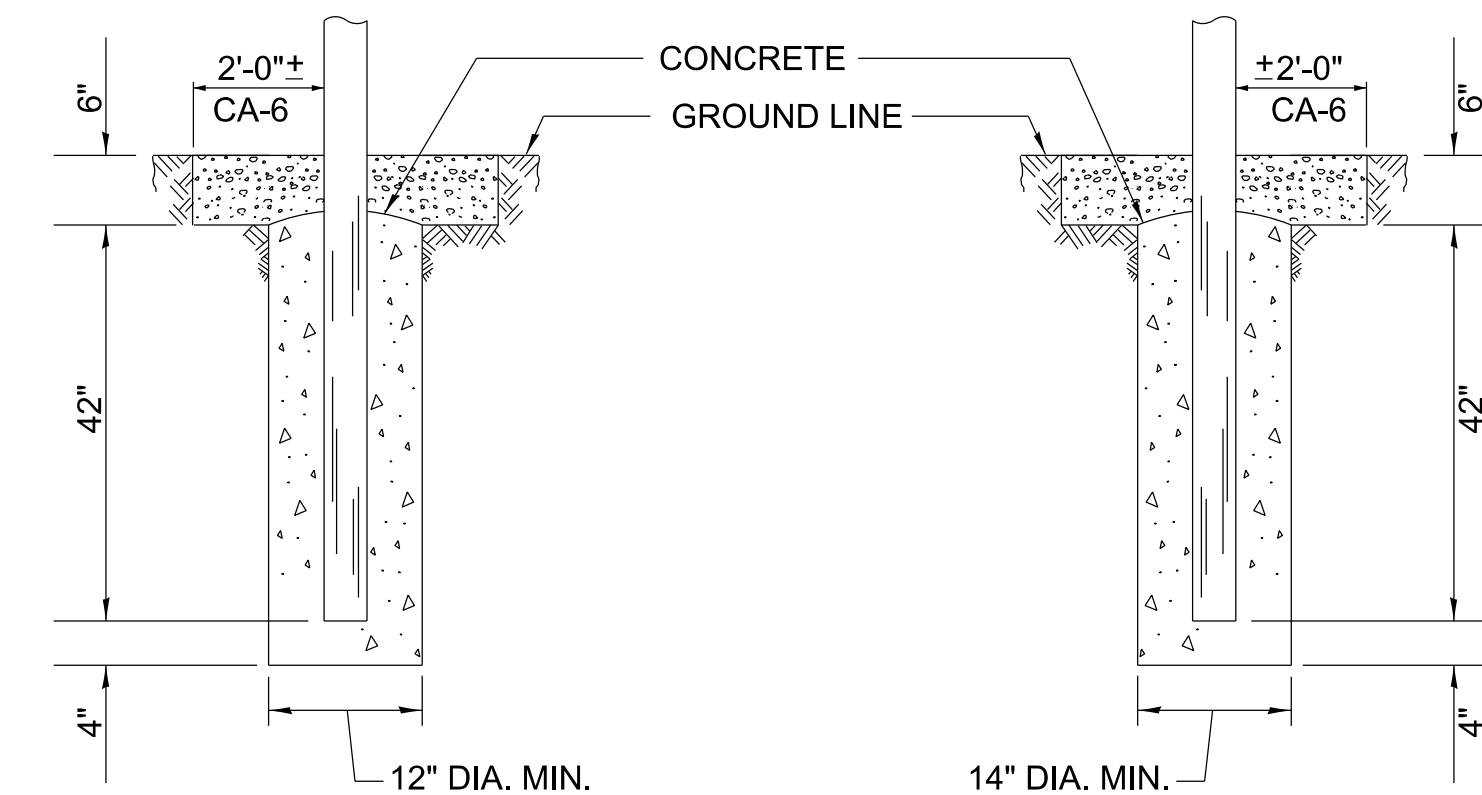


NOTE:
1. CONTRACTOR SHALL GRADE AND COMPACT ALL EXISTING BASES TO THE SATISFACTION OF THE ENGINEER PRIOR TO CONCRETE PLACEMENT. (INCIDENTAL TO THE CONTRACT).

5 TYPICAL WILDLIFE DETERRENT CONCRETE PAD AT GATES
NTS



3 METHOD OF TYING FABRIC TO TENSION WIRES
NTS



FOOTING FOR LINE POST

NOTE:
1. TOP OF FOOTING SHALL HAVE NEAT EDGES. OVERFLOW OR MUSHROOMED TOPS WILL BE REJECTED.

FOOTING FOR GATE & TERMINAL POST

6 FOOTING DETAILS
NTS

GENERAL NOTES

- CONSTRUCTION METHOD AND MATERIALS SHOULD BE PER PROJECT SPECIAL PROVISIONS. INFORMATION SHOWN IN PLAN DETAILS TO BE SUPERCEDED BY PROJECT SPECIAL PROVISIONS WHEN IN CONFLICT.
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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1	2021/02/26				

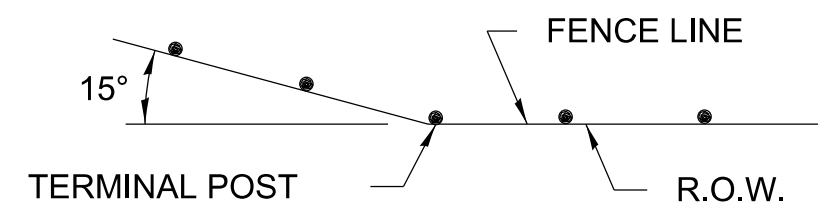
8735 W. HIGGINS ROAD
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CHICAGO, IL 60631

PHASE II - UPGRADE WILDLIFE HAZARD FENCING ON SOUTHERN AND WESTERN BOUNDARIES
DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

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FENCE DETAILS 2

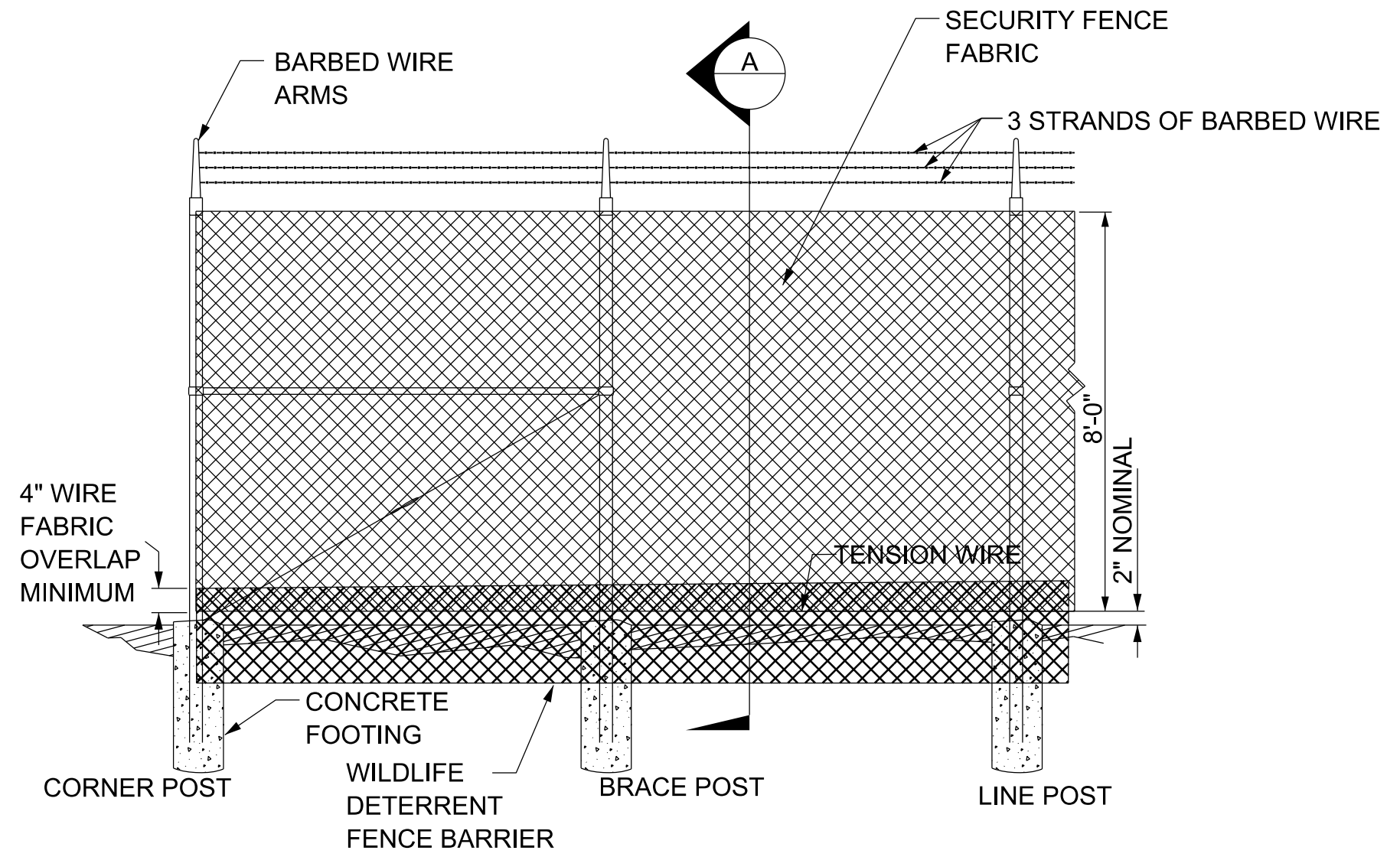
NTS	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2021/02/26
PROJ	DPA-4773
DWG	C-502
SHEET	19 of 26



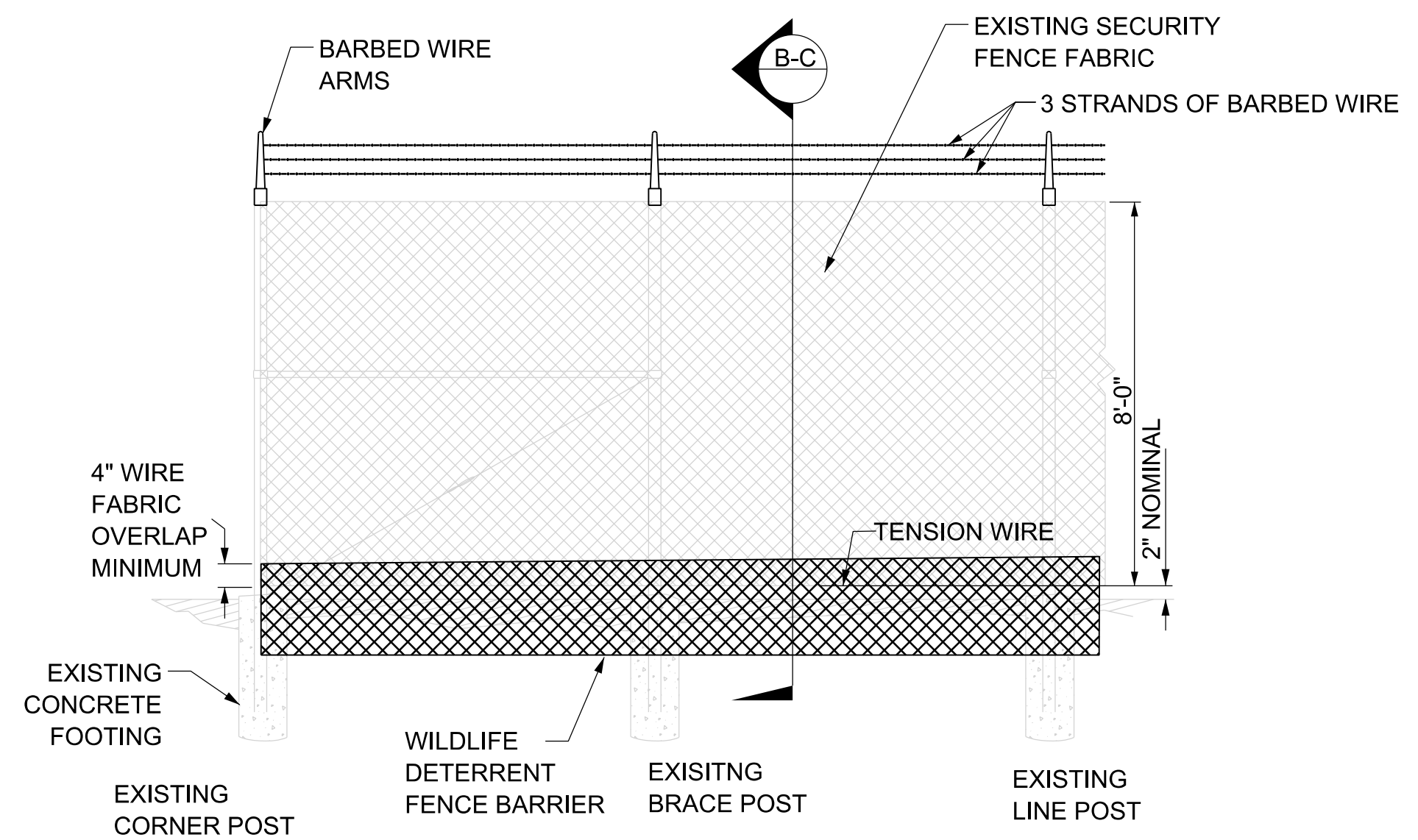
WHEN FENCE LINE HAS A CHANGE IN DIRECTION OF 15° OR MORE, A TERMINAL POST SHALL BE PLACED AS SHOWN ABOVE.

WHERE ANGLE IS LESS THAN 15° AND EXISTING CONDITIONS REQUIRE A TERMINAL POST, THEY SHALL BE PLACED AS DIRECTED BY THE RESIDENT ENGINEER.

1 INSTALLATION AT CORNERS
NTS



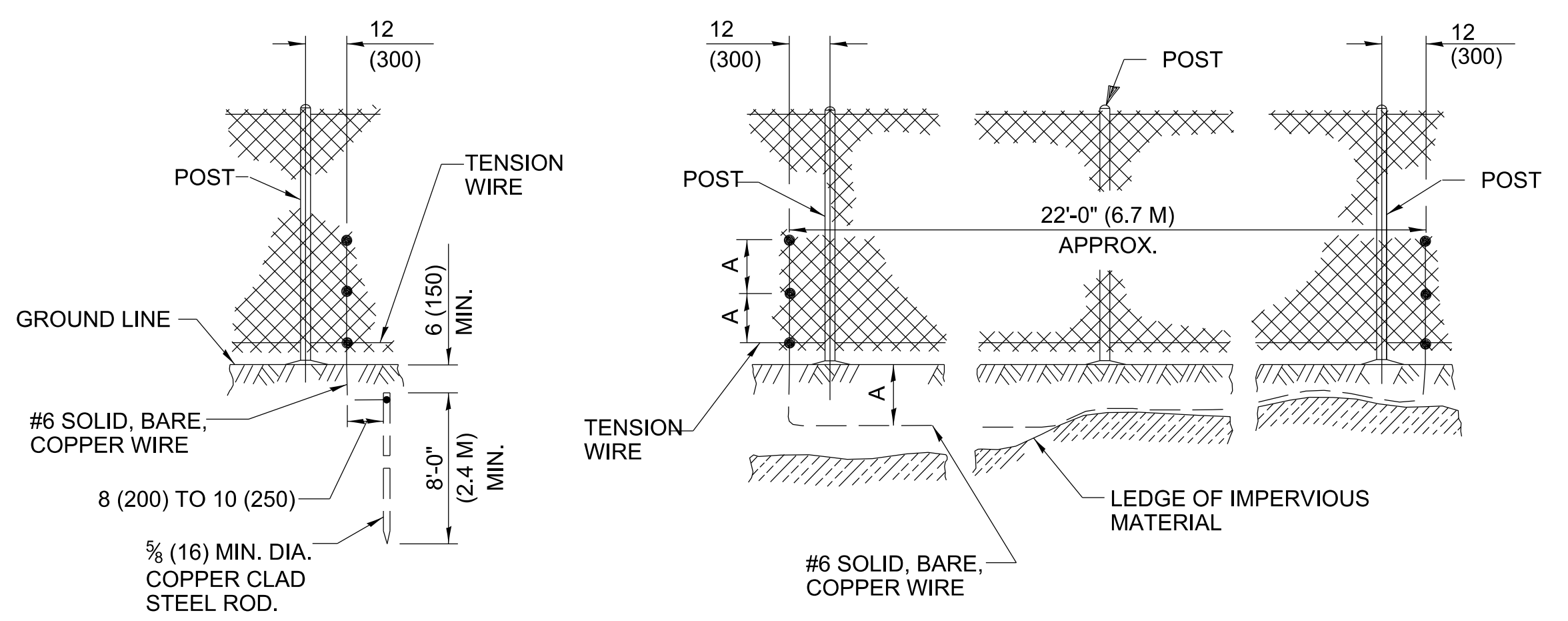
3A PROPOSED 8-FT FENCE DETAIL
WITH WILDLIFE DETERRENT BARRIER AND 3-STAND BARBED WIRE



3B EXISTING 8-FT FENCE DETAIL
WITH WILDLIFE DETERRENT BARRIER AND 3-STAND BARBED WIRE

GENERAL NOTES

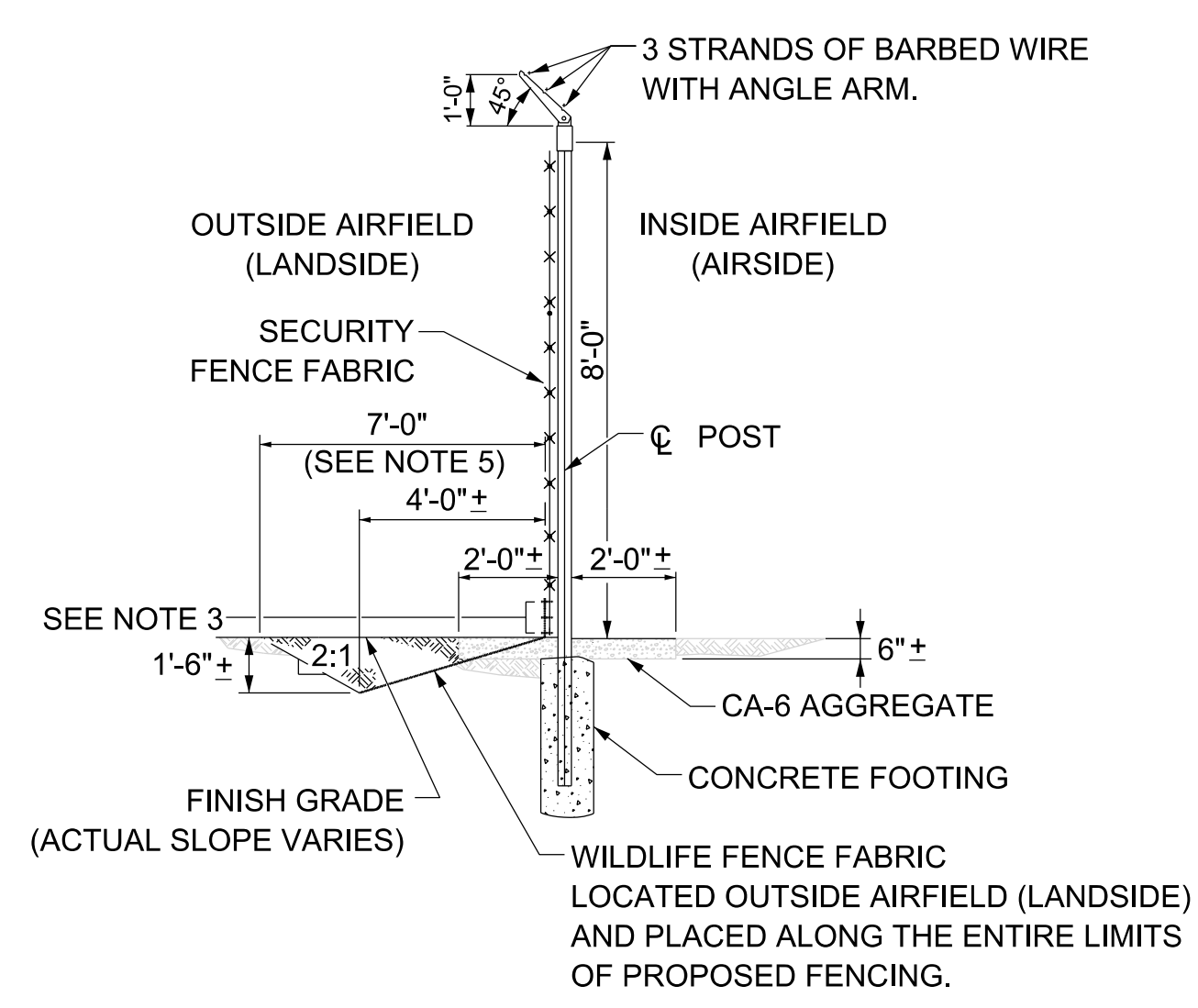
- CONSTRUCTION METHOD AND MATERIALS SHOULD BE PER PROJECT SPECIAL PROVISIONS. INFORMATION SHOWN IN PLAN DETAILS TO BE SUPERCEDED BY PROJECT SPECIAL PROVISIONS WHEN IN CONFLICT.
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



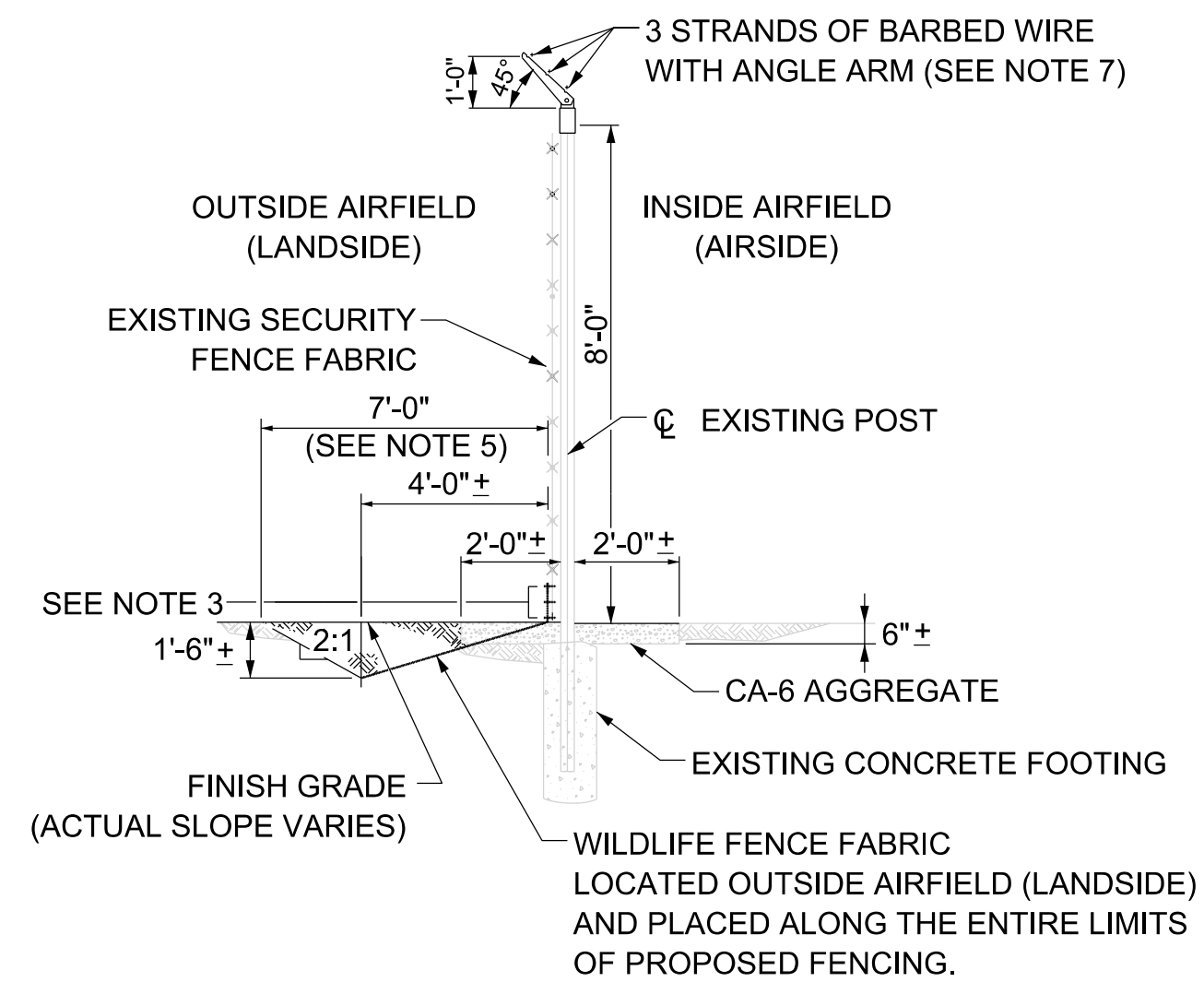
STANDARD GROUND **COUNTERPOISE GROUND (ALTERNATE)**

2 PROTECTIVE ELECTRICAL GROUNDS
NTS

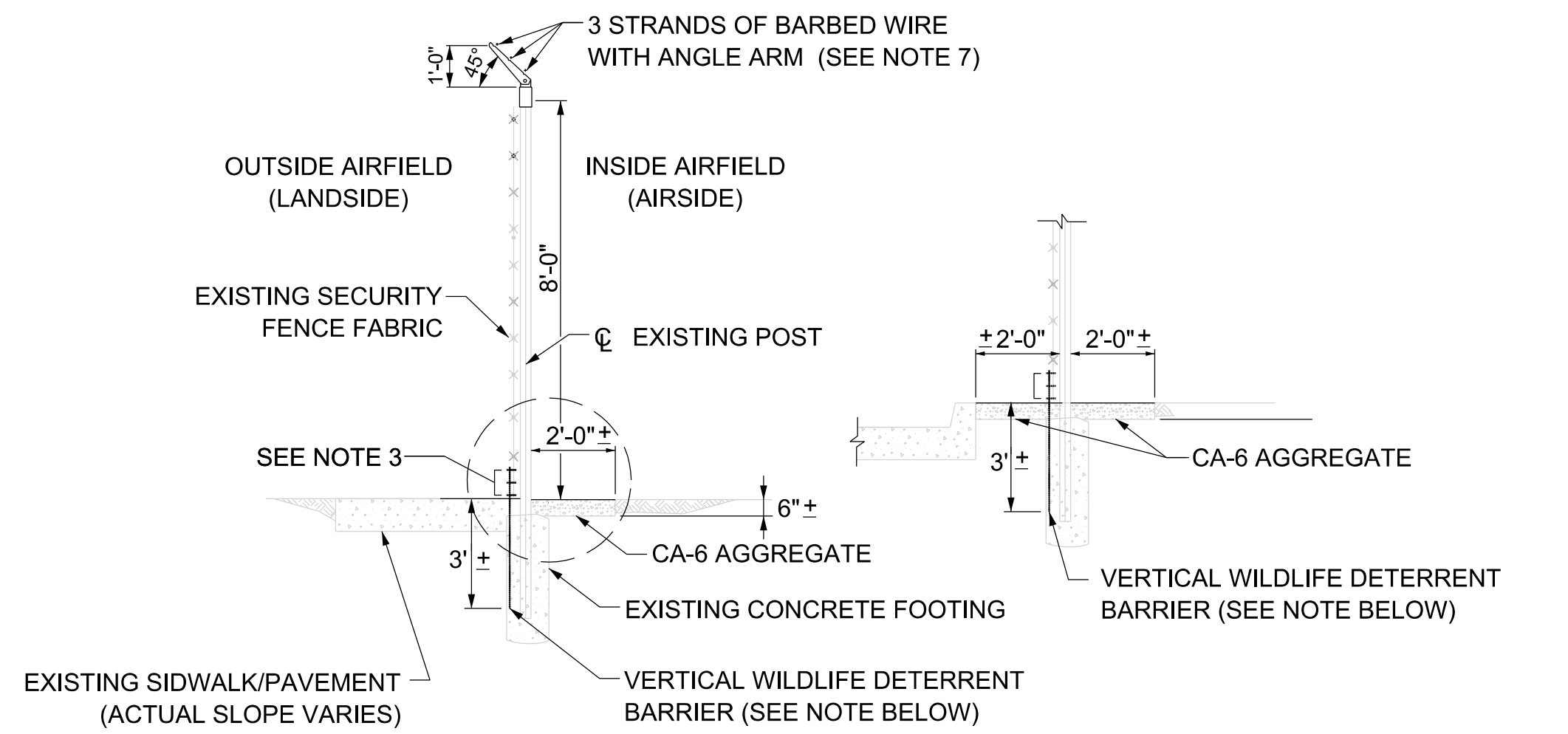
- NOTES:
- MAINTAIN SECURITY FENCE INTEGRITY AT ALL TIMES. DO NOT LEAVE EXCAVATIONS UNDER FENCE FABRIC WHICH WOULD PERMIT ACCESS.
 - DEPTH OF EXCAVATION WILL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO PLACEMENT OF THE CHAIN LINK WILDLIFE DETERRENT FENCE BARRIER.
 - END JOINTS BETWEEN ADJACENT SECTIONS OF WIRE FABRIC MUST BE LAPPED A MINIMUM OF 4" AND TIED WITH GALVANIZED WIRE TIES AT 2'-0" O.C. AND AT EDGES.
 - CONTRACTOR MAY REUSE UNDAMAGED EXISTING 6' CHAIN LINK FABRIC AS WILDLIFE DETERRENT BARRIER FABRIC.
 - QUANTIFIED LIMITS OF RESTORATION INCLUDING SEEDING AND MULCHING THE CONTRACTOR SHALL ADHARE TO THE RESTORATION LIMITS. ANY WORK COMPLETED BEYOND THE IDENTIFIED RESTORATION LIMITS WILL NOT BE PAID FOR UNDER THIS CONTRACT UNLESS APPROVED BY THE RESIDENT ENGINEER. ALL OTHER WORK ELEMENTS ASSOCIATED WITH THE RESTORATION INCLUDING EXCAVATION AND TOPSOIL PLACEMENT ARE INCIDENTAL TO THE CONTRACT.
 - VERTICAL WILDLIFE DETERRENT BARRIER FABRIC IS TO BE PLACED ONLY IN LIMITED ACCESS AREAS SUCH AS ADJACENT SIDEWALKS, CURBS, CONCRETE PADS, UTILITY CONFLICTS WHERE ANGLED WILDLIFE DETERRENT BARRIER MAY NOT BE USED DUE TO OBSTRUCTION, AS IDENTIFIED IN THE PLANS OR APPROVED BY THE RESIDENT ENGINEER. RESTORATION OF THE SITE TO MATCH EXISTING IN THESE AREAS IS INCIDENTAL TO THE CONTRACT.
 - ANGLE ARMS FOR EXISTING FENCE TO BE INSTALLED ON EXISTING LINE POSTS UNLESS OTHERWISE APPROVED BY THE RESIDENT ENGINEER. EXTENSIONS ON GATES FOR ADDITION OF 3-STAND BARBED WIRE TO BE FIELD WELDED USING A KIT AS APPROVED BY THE RESIDENT ENGINEER. ANY DAMAGE TO EXISTING FENCE DUE TO INSTALLATION TO BE REPAIRED TO THE SATISFACTION OF THE RESIDENT ENGINEER.



A SECTION



B SECTION



C SPECIAL CASE SECTIONS
SEE NOTE 6.

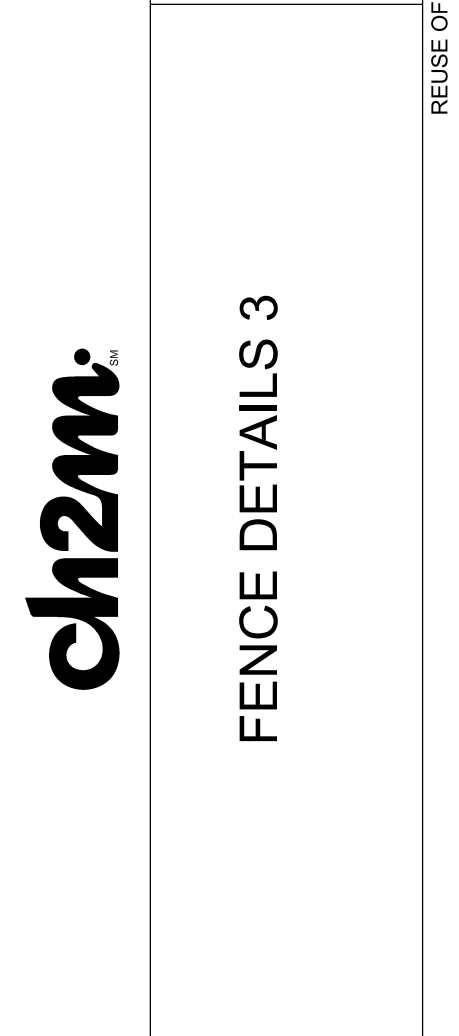
3 TYPICAL FENCE DETAILS AND SECTIONS
NTS



TM	APVD	TM
TL	BY	TM
100% SUBMITTAL	REVISION	CHK
2021/02/26	DATE	TL
1	NO.	DSGN
DR	TL	APVD
TM	TM	TM

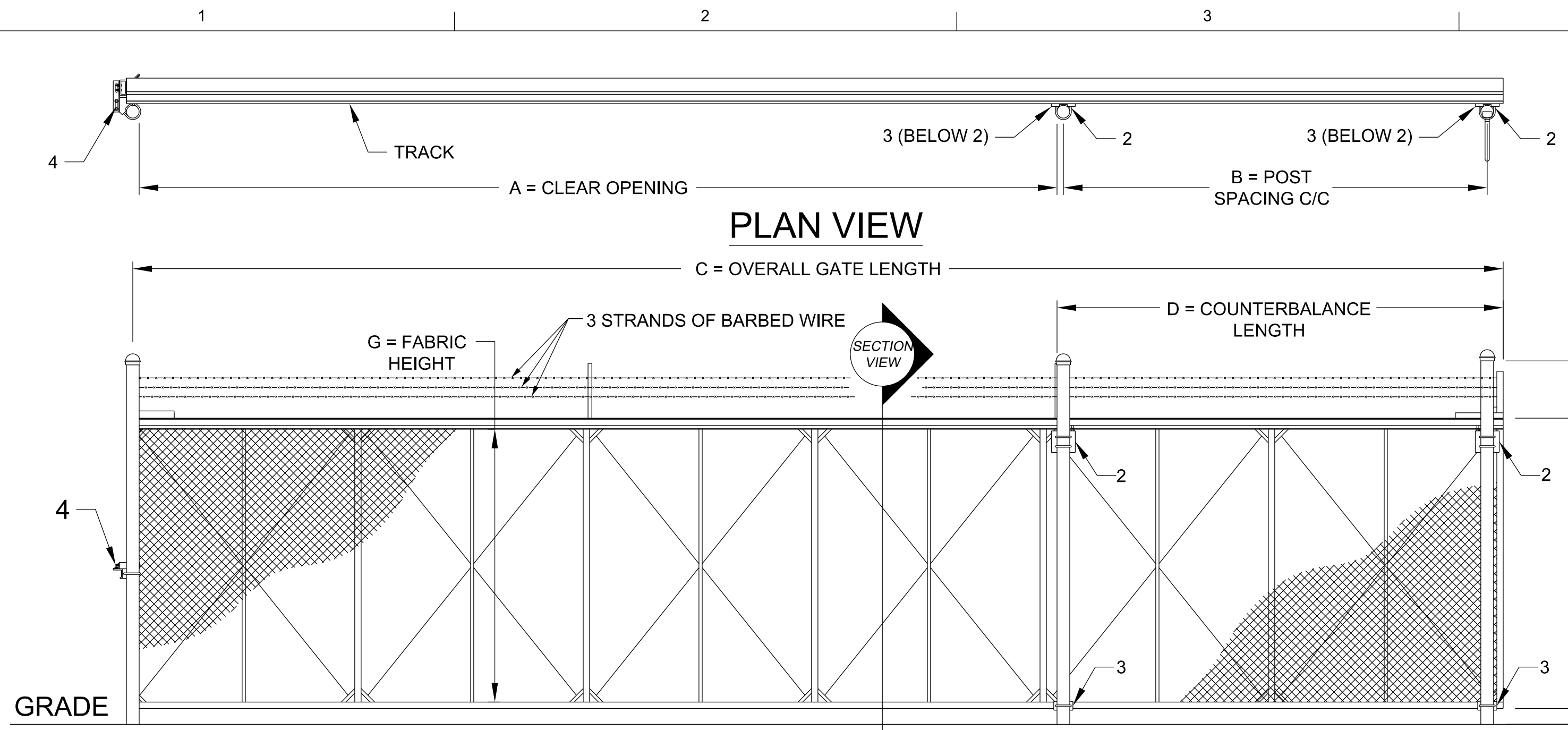
8735 W. HIGGINS ROAD
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PHASE II - UPGRADE WILDLIFE HAZARD FENCING ON SOUTHERN AND WESTERN BOUNDARIES
DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL



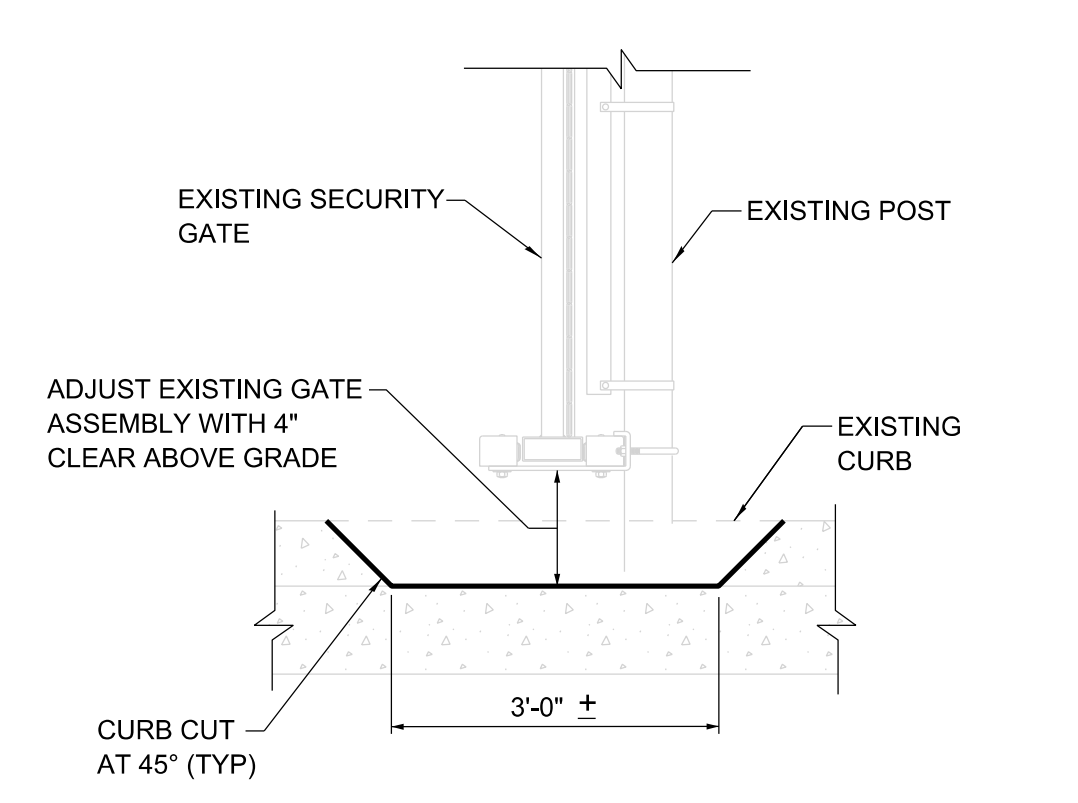
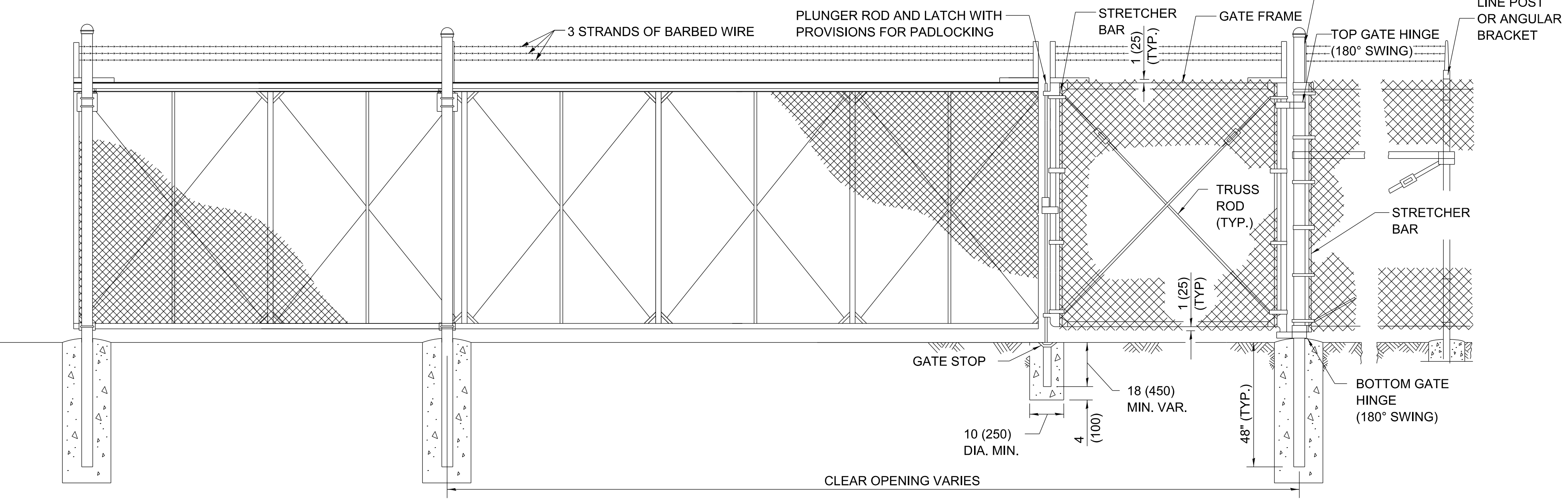
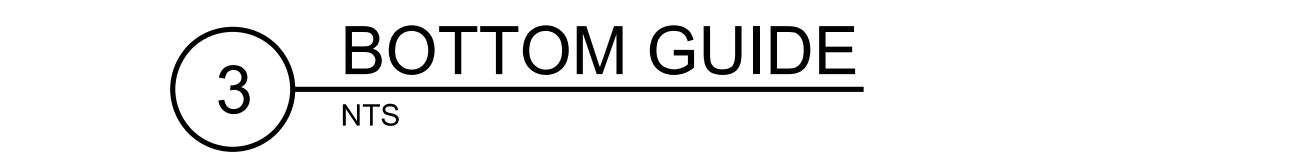
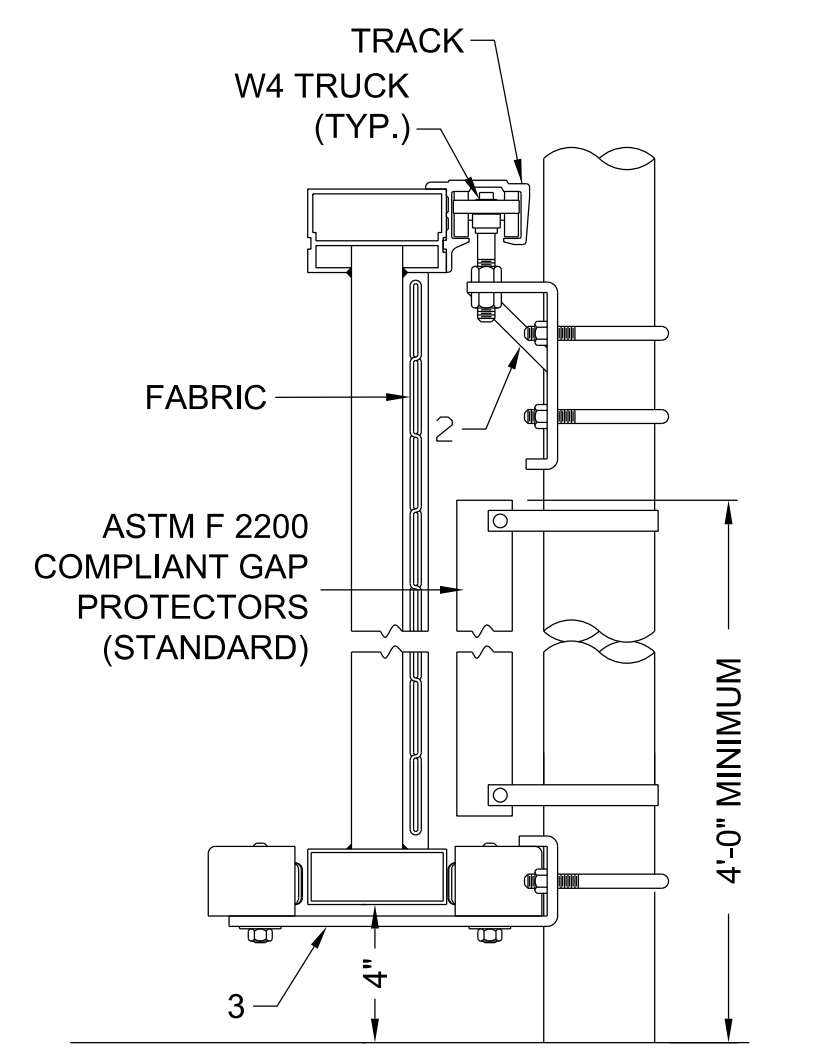
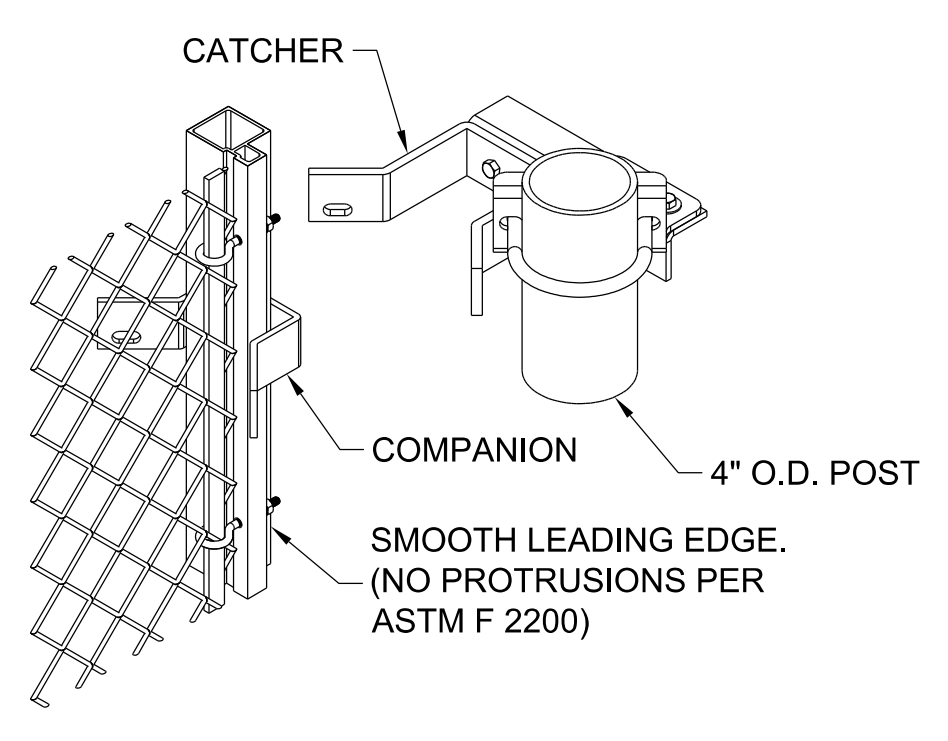
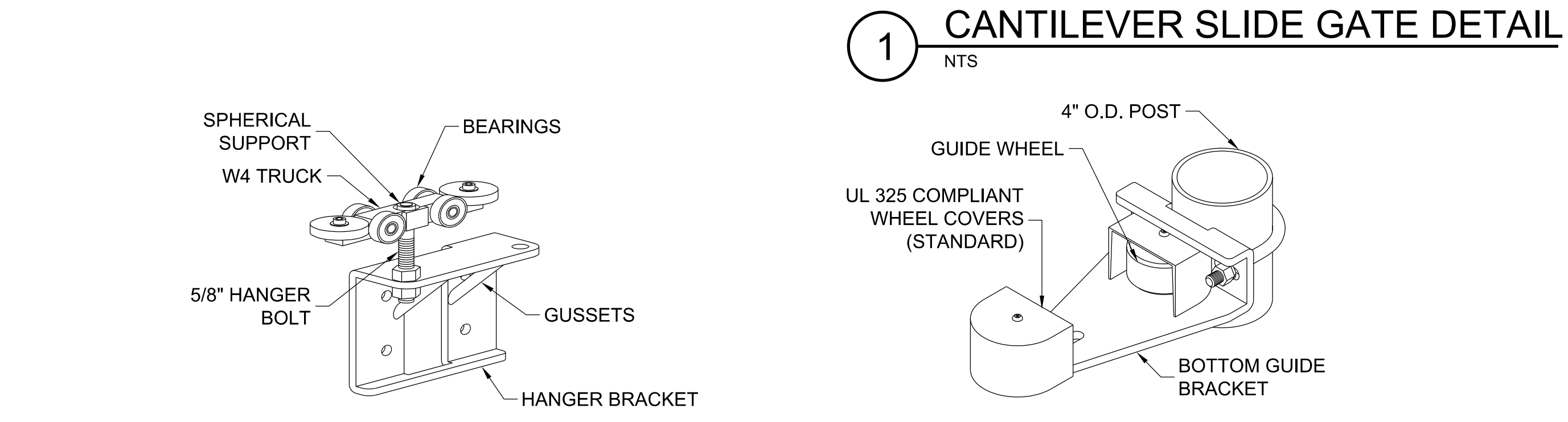
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE	2021/02/26
PROJ	DPA-4773
DWG	C-503
SHEET	20 of 26



CRITICAL DIMENSION CHART		
MARK	DESCRIPTION	FORMULA
A	CLEAR OPENING	A
B	COUNTERBALANCE POST SPACING C/C	(A/2)-11"
C	OVERALL GATE LENGTH	A x 1.5
D	COUNTERBALANCE LENGTH	A x 0.5
E	NOMINAL GATE HEIGHT	E
F	POST HEIGHT (W BARB ARMS)	E + 1'-6"
G	FABRIC HEIGHT	E - 1'-0"

- NOTES:
- GATE HEIGHT (E) IS 8-FT.
 - SEE GATE SCHEDULE, SHEET C-300 FOR CLEAR OPENING (A).
 - ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 - CONTRACTOR SHALL INSTALL NEW GATE TO PROVIDE A COMPLETE WORKING UNIT. THE GATE WORK SHALL INCLUDE THE GATE AND ALL OTHER ELEMENTS REQUIRED FOR A FULLY FUNCTIONAL GATE. THE EXISTING POWER SOURCE AND GATE OPERATOR ARE TO BE USED FOR THE NEW GATE.



ELECTRIC GATE NOTE

- CONTRACTOR SHALL INSTALL NEW GATE TO PROVIDE A COMPLETE WORKING UNIT. THE GATE WORK SHALL INCLUDE THE GATE AND ALL OTHER ELEMENTS REQUIRED FOR A FULLY FUNCTIONAL GATE. THE EXISTING POWER SOURCE AND GATE OPERATOR ARE TO BE USED FOR THE NEW GATE.

NO.	DATE	DESCRIPTION	BY	APPROVED
1	2021/02/26	100% SUBMITTAL REVISION	CHK	TM

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SUITE 400
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PHASE II - UPGRADE WILDLIFE HAZARD FENCING ON SOUTHERN AND WESTERN BOUNDARIES
DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

ch2m

FENCE DETAILS 4

VERIFY SCALE	
DATE	2021/02/26
PROJ	DPA-4773
DWG	C-504
SHEET	21 of 26

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH IEPA'S GENERAL NPDES PERMIT NO. ILR10 FOR STORMWATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

SITE DESCRIPTION

THE FOLLOWING IS A DESCRIPTION OF THE NATURE OF THE CONSTRUCTION ACTIVITY OR DEMOLITION WHICH IS THE SUBJECT OF THIS PLAN:

THE PROPOSED PROJECT INVOLVES UPGRADING EXISTING SECURITY FENCING ALONG THE SOUTHERN AND WESTERN BOUNDARIES OF THE AIRPORT. THE PROPOSAL INVOLVES REMOVING EXISTING 6-FOOT HIGH FENCING AND REPLACING WITH AN 8-FOOT HIGH FENCE WITH BARBED WIRE (3-STRANDS), 4-FOOT ANGLED WILDLIFE DETERRENT BARRIER AND 4-FOOT-WIDE VEGETATION-FREE ZONE. IN AREAS WHERE THE EXISTING FENCING IS ALREADY 8-FEET-HIGH, THE WORK WILL INVOLVE INSTALLATION OF BARBED WIRE (3-STRANDS) ON TOP OF FENCE, ANGLED WILDLIFE DETERRENT BARRIER AND 4-FOOT-WIDE VEGETATION FREE ZONE (WHERE APPLICABLE) ONLY.

THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOIL ON MAJOR PORTIONS OF THE CONSTRUCTION SITE. THE CONSTRUCTION ACTIVITIES MAY BE AS FOLLOWS: (GRUBBING, CLEARING, EXCAVATION, GRADING, BUILDING INFRASTRUCTURE, ETC.).

- 1. EROSION CONTROL
2. FENCE REMOVAL
3. FENCE INSTALLATION
4. INSTALLATION OF WILDLIFE DETERRENT BARRIER
5. SITE RESTORATION
6. SEEDING AND MULCHING

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 1.9 ACRES. THE TOTAL AREA OF THE SITE THAT IS ESTIMATED TO BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS 1.9 ACRES. THE ESTIMATED RUNOFF COEFFICIENT OF THE SITE WILL BE .40 AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED. THE EXISTING SOIL IS DETAILED IN THE SOIL BORING SHEETS WITHIN THE CONTRACT DOCUMENTS.

THE RECEIVING WATER BODY FOR THIS PROJECT IS KRESS CREEK.

THE AERIAL EXTENT OF WETLAND ACREAGE AT THE SITE IS 0.0 ACRE.

CONTROLS:

THIS SECTION OF THE PLAN ADDRESSES THE VARIOUS CONTROLS THAT MUST BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED ABOVE. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. EACH SUCH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH ARE ATTACHED TO, AND ARE A PART OF THIS PLAN. THE EROSION CONTROL PLAN DRAWINGS INCLUDED DEFINE THE SIZE AND LOCATION OF THE MEASURES TO BE INSTALLED DURING THE CONSTRUCTION OF THIS PROJECT. UNLESS OTHERWISE SPECIFIED IN THE ILLINOIS URBAN MANUAL, THE STORM WATER POLLUTION PREVENTION PLAN MUST BE DESIGNED FOR A STORM EVENT EQUAL TO OR GREATER THAN A 25-YEAR 24 HOUR RAINSTORM EVENT.

AT A MINIMUM, SITE EROSION AND SEDIMENT CONTROLS AND OVERALL SITE MANAGEMENT SHOULD:

- * CONTROL STORM WATER VOLUME WITHIN THE SITE TO MINIMIZE SOIL EROSION;
* CONTROL STORM WATER DISCHARGES, INCLUDING BOTH PEAK FLOW RATES AND TOTAL STORM WATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND TO MINIMIZE DOWNSTREAM CHANNEL AND STREAM BANK EROSION;
* MINIMIZE THE AMOUNT OF SOIL EXPOSED DURING CONSTRUCTION ACTIVITY;
* MINIMIZE THE DISTURBANCE OF STEEP SLOPES;
* MINIMIZE SEDIMENT DISCHARGES FROM THE SITE;
* ADDRESS FACTORS SUCH AS THE AMOUNT, FREQUENCY, INTENSITY, AND DURATION OF PRECIPITATION, THE NATURE OF RESULTING STORM WATER RUNOFF, AND SOIL CHARACTERISTICS, INCLUDING THE RANGE OF SOIL PARTICLE SIZES EXPECTED TO BE PRESENT ON SITE;
* PROVIDE AND MAINTAIN NATURAL BUFFERS AROUND SURFACE WATERS, DIRECT STORM WATER TO VEGETATED AREAS TO INCREASE SEDIMENT REMOVAL AND MAXIMIZE STORM WATER INFILTRATION (UNLESS INFEASIBLE);
* MINIMIZE SOIL COMPACTION AND UNLESS INFEASIBLE, PRESERVE TOPSOIL.

EROSION AND SEDIMENT CONTROLS

STABILIZATION PRACTICES: THE FOLLOWING INTERIM AND PERMANENT STABILIZATION PRACTICES, AS A MINIMUM, MUST BE IMPLEMENTED TO STABILIZE THE DISTURBED AREA OF THE SITE:

- MULCHING
PERMANENT SEEDING

INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE-SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES ARE INCLUDED IN THIS STORMWATER POLLUTION PREVENTION PLAN. SITE PLANS MUST ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES MAY INCLUDE: TEMPORARY STABILIZATION WITH STRAW MULCH, TEMPORARY PRESERVATION OF EXISTING VEGETATION, AND OTHER APPROPRIATE MEASURES. THE SURFACE OF STRIPPED AREAS MUST BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 7 DAYS AFTER FINAL GRADING IS REACHED. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED. ANY OPEN DITCH OR SWALE MUST BE STABILIZED 24 HOURS AFTER REACHING FINAL GRADE AND BEFORE CONCENTRATED FLOWS ARE DIVERTED TO THOSE DITCHES. NO PART OF THE DITCH OR SWALE MUST BE LEFT UNSTABLE FOR MORE THAN 7 DAYS.

STABILIZATION PRACTICES - IMPLEMENTATION REQUIREMENTS

- STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.

STABILIZATION PRACTICES - IMPLEMENTATION REQUIREMENTS (CONTINUED)

STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NOT LATER THAN 14 DAYS FROM THE INITIATION OF STABILIZATION WORK IN AN AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED AS FOLLOWS:

- WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
ON AREAS WHERE CONSTRUCTION ACTIVITY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD CAN BE USED.

TEMPORARY STABILIZATION WITH POLYMER, STRAW MULCH AT A RATE OF 2 TON/ACRE, OR TEMPORARY SEEDING MUST BE USED TO STABILIZE CONSTRUCTION AREAS WHERE CONSTRUCTION ACTIVITY IS HALTED FOR MORE THAN 14 DAYS. TEMPORARY STABILIZATION MUST BE INITIATED WITHIN 1 DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES. BOTH MULCH AND/OR TEMPORARY SEEDING MUST INCLUDE POLYMER IN ADDITION TO THE MIX.

STOCKPILES TO REMAIN IN PLACE MORE THAN 3 DAYS MUST BE SURROUNDED WITH SILT FENCE AND "TRACK WALKED" UP AND DOWN THE SLOPE TO PREVENT FURTHER EROSION. STOCKPILES TO REMAIN UNDISTURBED MORE THAN 14 DAYS MUST RECEIVE TEMPORARY STABILIZATION. STOCKPILES OF SOIL MUST NOT BE LOCATED IN FLOODPLAINS, RIPARIAN AREAS (VEGETATIVE FLOODPLAINS), WETLANDS, AND WATER OF THE U.S.

REMOVAL OF EXISTING VEGETATION /TOPSOIL AND GRADING ACTIVITIES MUST BE CONDUCTED IN A MANNER THAT LIMITS THE AMOUNT OF EXPOSED AREA AT ANY ONE TIME. WHEN GRADING IS FINAL, PERMANENT SITE STABILIZATION MUST BE COMPLETED USING PERMANENT SEEDING AND EROSION BLANKET ON SLOPES 4:1 OR STEEPER AND HYDROMULCH ON SLOPES FLATTER THAN 4:1.

- DUST CONTROL MUST BE ACCOMPLISHED USING WATERING TRUCKS.

STRUCTURAL PRACTICES: THE FOLLOWING STRUCTURAL PRACTICES, AS A MINIMUM, MUST BE IMPLEMENTED TO CONTROL SEDIMENT FROM THE DISTURBED AREAS ON SITE:

- PERIMETER EROSION BARRIER (SILT FENCE)
STRAW WATTLE (DITCH PROTECTION)
INLET PROTECTION

STRUCTURAL PRACTICES MUST BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREA OF THE SITE. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

STRUCTURAL PRACTICES - IMPLEMENTATION REQUIREMENTS

WATERS OF THE U.S. WITHIN OR ADJACENT TO THE PROJECT MUST BE PROTECTED WITH PERIMETER EROSION BARRIER.

ALL STORM SEWER INLET STRUCTURES MUST BE PROTECTED WITH STORM SEWER INLET PROTECTION (I.E. INLET FILTERS) PER INLET PROTECTION DETAILS IN THE PLANS. ALTERNATE TYPES OF PROTECTION MAY BE SUBMITTED FOR REVIEW AND APPROVAL BY THE OWNER OR KDSWCD.

TEMPORARY CONSTRUCTION ENTRANCES AND EXITS MUST BE CONSTRUCTED AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES THE SITE. RUNOFF FROM HAUL ROADS MUST NOT DRAIN DIRECTLY TO WATERS OF THE U.S.

USE OF TREATMENT CHEMICALS:

IF POLYMERS, FLOCCULATES, OR OTHER TREATMENT CHEMICALS ARE USED AT THE SITE, THEIR USE MUST COMPLY WITH THE FOLLOWING MINIMUM REQUIREMENTS:

SELECT APPROPRIATE TREATMENT CHEMICALS. CHEMICALS MUST BE SELECTED THAT ARE APPROPRIATELY SUITED TO THE TYPES OF SOILS LIKELY TO BE EXPOSED DURING CONSTRUCTION AND DISCHARGED TO LOCATIONS WHERE CHEMICALS WILL BE APPLIED, AND TO THE EXPECTED TURBIDITY, PH, AND FLOW RATE OF STORM WATER FLOWING INTO THE CHEMICAL TREATMENT SYSTEM OR AREA.

MINIMIZE DISCHARGE RISK FROM STORED CHEMICALS. STORE ALL TREATMENT CHEMICALS IN LEAK-PROOF CONTAINERS THAT ARE KEPT UNDER STORM-RESISTANT COVER AND SURROUNDED BY SECONDARY CONTAINMENT STRUCTURES (E.G. SPILL BERMS, DECKS, SPILL CONTAINMENT PALLETES), OR PROVIDED EQUIVALENT MEASURES, DESIGNED AND MAINTAINED TO MINIMIZE THE POTENTIAL DISCHARGE OF TREATMENT CHEMICALS IN STORM WATER OR BY ANY OTHER MEANS (E.G. STORING CHEMICALS IN COVERED AREA OR HAVING A SPILL KIT AVAILABLE ON SITE).

- COMPLY WITH ILLINOIS URBAN MANUAL, 2012 POLYACRYLAMIDE PRACTICE STANDARDS

USE OF TREATMENT CHEMICALS (CONTINUED):

TREATMENT CHEMICALS AND CHEMICAL TREATMENT SYSTEMS SHOULD BE USED IN ACCORDANCE WITH GOOD ENGINEERING PRACTICES, AND WITH DOSING SPECIFICATIONS AND SEDIMENT REMOVAL DESIGN SPECIFICATIONS PROVED BY THE PROVIDED/SUPPLIER OF THE APPLICABLE CHEMICALS, OR DOCUMENT SPECIFIC DEPARTURES FROM THESE PRACTICES OR SPECIFICATIONS AND HOW THEY REFLECT GOOD ENGINEERING PRACTICE.

- MAINTAIN ASSOCIATED MSDS ON SITE.

ENSURE THAT ALL PERSONS WHO HANDLE AND USE TREATMENT CHEMICALS AT THE CONSTRUCTION SITE ARE PROVIDE WITH APPROPRIATE, PRODUCT-SPECIFIC TRAINING. THE TRAINING MUST COVER PROPER DOSING REQUIREMENTS.

BMPS - POST-CONSTRUCTION STORM WATER MANAGEMENT

PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL THE POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER THE CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE CONTAINED IN THE ILLINOIS URBAN MANUAL, 2012 AND OTHER ORDINANCES LISTED IN THE SPECIFICATIONS. POST CONSTRUCTION STORM WATER CONTROL MEASURES SHALL INCLUDE:

- INFILTRATION OF ONSITE RUNOFF

VELOCITY DISSIPATION DEVICES MUST BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (I.E., MAINTENANCE OF HYDROLOGIC CONDITIONS, SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

PROVIDE AN EXPLANATION OF THE TECHNICAL BASIS USED TO SELECT PRACTICES TO CONTROL POLLUTION PREVENTION WHERE POST-CONSTRUCTOIN FLOWS WILL EXCEED PREDEVELOPMENT LEVELS HERE:

- POST CONSTRUCTION FLOWS WILL NOT EXCEED PRE-DEVELOPMENT LEVELS. NO GRADE CHANGES BEING CONSTRUCTED AND FINAL SURFACE WILL MATCH EXISTING SURFACE.

OTHER CONTROLS

WASTE DISPOSAL: THE SOLID WASTE MATERIALS INCLUDING TRASH, CONSTRUCTION DEBRIS, EXCESS CONSTRUCTION MATERIALS, MACHINERY, TOOLS AND OTHER ITEMS MUST BE COLLECTED AND DISPOSED OFF-SITE BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE ACQUISITION OF THE NECESSARY DISPOSAL PERMITS. BURNING ON THE SITE WILL NOT BE PERMITTED. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, MUST BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

CONCRETE WASTE OR WASHOUT SHOULD NOT BE ALLOWED IN THE STREET OR ALLOWED TO REACH A STORM WATER DRAINAGE SYSTEM OR WATERCOURSE. CONCRETE WASHOUT SHOULD BE COMPLETED OFF-SITE, OR IF ALLOWED ON SITE BY THE PRIMARY CONTACT, WASHOUT SHOULD BE CONTAINED AND COMPLETED IN A LOCATION DESIGNATED BY THE PRIMARY OR SECONDARY CONTACT.

ON SITE CONCRETE WASHOUT CONTAINMENT FACILITIES SHOULD BE OF SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND CONCRETE WASTE MATERIALS INCLUDING ENOUGH CAPACITY FOR ANTICIPATED LEVELS OF RAINWATER. CONTAINMENT FACILITIES SHALL BE LINED WITH A 30-MIL IMPERMEABLE LINER. THE DRIED CONCRETE WASTE MATERIAL SHOULD BE PICKED UP AND DISPOSED OF PROPERLY WHEN TWO-THIRDS CAPACITY IS REACHED.

THE PROVISIONS OF THIS PLAN MUST ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

VEHICLE/EQUIPMENT STORAGE, MAINTENANCE, & WASHING:

WHENEVER POSSIBLE, VEHICLE AND EQUIPMENT MAINTENANCE AND WASHING SHOULD OCCUR OFF SITE AT APPROPRIATE AREAS. IF VEHICLE AND EQUIPMENT MAINTENANCE MUST OCCUR ON SITE, (INCLUDING BOTH ROUTINE MAINTENANCE) REPAIRS AND MAINTENANCE SHOULD BE MADE WITHIN A DESIGNATED CONTAINMENT AREA TO PREVENT THE MIGRATION OF MECHANICAL FLUIDS (OIL, ANTIFREEZE, ETC.) INTO WATERCOURSES, WETLANDS OR STORM DRAINS. DRIP PANS OR ABSORBENT PADS SHOULD BE USED FOR ALL VEHICLE AND EQUIPMENT MAINTENANCE ACTIVITIES THAT INVOLVE GREASE, OIL, SOLVENTS, OR OTHER VEHICLE FLUIDS. CONSTRUCTION VEHICLES SHOULD BE INSPECTED FREQUENTLY TO IDENTIFY ANY LEAKS; LEAKS SHOULD BE REPAIRED IMMEDIATELY OR THE VEHICLE SHOULD BE REMOVED FROM SITE. DISPOSE OF ALL USED OIL, ANTIFREEZE, SOLVENTS AND OTHER VEHICLE RELATED CHEMICALS IN ACCORDANCE WITH USEPA AND IEPA REGULATIONS AND PER MATERIAL SAFETY DATA SHEET (MSDS) AND/OR MANUFACTURER INSTRUCTIONS. CONTRACTORS SHOULD IMMEDIATELY REPORT SPILLS TO THE OWNER.

VEHICLE/EQUIPMENT WASH WATER SHOULD BE TREATED IN A SEDIMENT TRAP OR OTHER BMP THAT WILL PROVIDE EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE. BLOWERS OR VACUUMS SHOULD BE USED INSTEAD OF RINSE WATER TO REMOVE DRY MATERIALS FROM VEHICLES WHENEVER POSSIBLE. IF DETERGENTS ARE REQUIRED TO CLEAN VEHICLES OR EQUIPMENT, BIODEGRADABLE DETERGENTS AND WASH PRODUCTS FREE OF HALOGENATED SOLVENTS SHOULD BE USED. THE LOCATION OF WASH AREAS SHOULD BE DOCUMENTED ON THE SITE MAP, AND WORKERS SHOULD BE NOTIFIED OF THE WASH AREAS. DO NOT PERFORM OTHER ACTIVITIES, SUCH AS VEHICLE REPAIRS, IN A WASH AREA. WHEN NOT IN USE, VEHICLES UTILIZED ON SITE FOR CONSTRUCTION OPERATIONS SHOULD BE STORED IN A DESIGNATED AREA OUTSIDE OF THE REGULATORY FLOODPLAIN, AWAY FROM ANY NATURAL OR CREATED WATERCOURSE, POND, DRAINAGE-WAY OR STORM DRAIN.



8735 W. HIGGINS ROAD
SUITE 400
CHICAGO, IL 60631

STORMWATER POLLUTION PREVENTION PLAN 1

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.

Table with 2 columns: Field Name, Value. Includes DATE (2021/02/26), PROJ (DPA-4773), DWG (CG-100), SHEET (22 of 26).

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MATERIAL STORAGE AND GOOD HOUSEKEEPING:

SOLID WASTE MATERIALS INCLUDING TRASH, CONSTRUCTION DEBRIS, EXCESS CONSTRUCTION MATERIALS, MACHINERY, TOOLS AND OTHER ITEMS WILL BE COLLECTED AND DISPOSED OF OFFSITE. THE TRADE/CONTRACTOR IS RESPONSIBLE TO ACQUIRE THE PERMIT REQUIRED FOR SUCH DISPOSAL. BURNING ON SITE WILL NOT BE PERMITTED. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. ALL WASTE MATERIALS SHOULD BE COLLECTED AND STORED IN APPROVED RECEPTACLES. NO WASTES SHOULD BE PLACED IN ANY LOCATION OTHER THAN IN THE APPROVED CONTAINERS APPROPRIATE FOR THE MATERIALS BEING DISCARDED. THERE SHOULD BE NO LIQUID WASTES DEPOSITED INTO DUMPSTERS OR OTHER CONTAINERS WHICH MAY LEAK. RECEPTACLES WITH DEFICIENCIES SHOULD BE REPLACED AS SOON AS POSSIBLE AND THE APPROPRIATE CLEAN-UP PROCEDURE SHOULD TAKE PLACE, IF NECESSARY. CONSTRUCTION WASTE MATERIAL IS NOT TO BE BURIED ON SITE. WASTE DISPOSAL SHOULD COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. CONTRACTORS SHOULD IMMEDIATELY REPORT ALL SPILLS TO THE PRIMARY CONTACT, WHO SHOULD NOTIFY THE APPROPRIATE AGENCIES, IF NEEDED.

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED ON SITE DURING THE CONSTRUCTION PROJECT:

- * MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTE, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS ONSITE TO PRECIPITATION AND STORM WATER.
- * AN EFFORT SHOULD BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
- * ALL MATERIALS STORED ON SITE SHOULD BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND ADEQUATELY PROTECTED FROM THE ENVIRONMENT.
- * PRODUCTS SHOULD BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
- * SUBSTANCES SHOULD NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- * OPERATIONS SHOULD BE OBSERVED AS NECESSARY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON SITE.
- * WHENEVER POSSIBLE, ALL OF A PRODUCT SHOULD BE USED UP BEFORE DISPOSING OF THE CONTAINER.
- * MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHOULD BE FOLLOWED.

FOR BUILDING PRODUCTS:
STORE IN DESIGNATED STORAGE AREAS AND PROVIDE EITHER A COVER (E.G., PLASTIC SHEETING OR TEMPORARY ROOFS) TO PREVENT THESE PRODUCTS FROM COMING INTO CONTACT WITH RAINWATER, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS FROM THESE AREAS.

FOR PESTICIDES, HERBICIDES, INSECTICIDES, FERTILIZERS, AND LANDSCAPE MATERIALS:
STORE IN DESIGNATED STORAGE AREAS AND PROVIDE EITHER A COVER (E.G., PLASTIC SHEETING OR TEMPORARY ROOFS) TO PREVENT THESE CHEMICALS FROM COMING INTO CONTACT WITH RAINWATER, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. PULTE MUST ALSO COMPLY WITH ALL APPLICATION AND DISPOSAL REQUIREMENTS INCLUDED ON THE REGISTERED PESTICIDE, HERBICIDE, INSECTICIDE, AND FERTILIZER LABEL.

FOR DIESEL FUEL, OIL, HYDRAULIC FLUIDS, OTHER PETROLEUM PRODUCTS, AND OTHER CHEMICALS:
STORE CHEMICALS IN WATER-TIGHT CONTAINERS, AND PROVIDE EITHER A COVER (E.G., PLASTIC SHEETING OR TEMPORARY ROOFS) TO PREVENT THESE CONTAINERS FROM COMING INTO CONTACT WITH RAINWATER, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS FROM THESE AREAS (E.G., SPILL KITS), OR PROVIDE SECONDARY CONTAINMENT (E.G., SPILL BERMS, DECKS, SPILL CONTAINMENT PALLETS). SPILLS MUST BE CLEANED UP IMMEDIATELY, USING DRY CLEAN-UP METHODS WHERE POSSIBLE. DO NOT CLEAN THE SURFACES OR SPILLS BY HOSING THE AREA DOWN. ELIMINATE THE SOURCE OF THE SPILL TO PREVENT A DISCHARGE OR A CONTINUATION OF AN ONGOING DISCHARGE.

APPROVED STATE OR LOCAL PLANS

THE MANAGEMENT PRACTICES, CONTROLS, AND OTHER PROVISIONS CONTAINED IN THIS PLAN ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, MOST RECENT VERSION. ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION PLAN THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF A NOTICE OF INTENT TO BE AUTHORIZED TO DISCHARGE UNDER THIS PERMIT, INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

MAINTENANCE

VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN MUST BE MAINTAINED IN GOOD AND EFFECTIVE OPERATING CONDITIONS.
FOR EACH SPECIFIC EROSION AND SEDIMENT CONTROL MEASURE, MAINTENANCE AND INSPECTION, CONTRACTOR MUST REFER TO THE ILLINOIS URBAN MANUAL STANDARD PRACTICE.

INSPECTIONS

THE OWNER AND CONTRACTOR MUST PROVIDE QUALIFIED PERSONNEL TO INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, DISCHARGE POINTS, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. SUCH INSPECTIONS MUST BE CONDUCTED AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF THE END OF A STORM, OR BY THE END OF THE FOLLOWING BUSINESS OR WORK DAY, THAT IS 0.5 INCHES OR GREATER. INSPECTIONS MAY BE REDUCED TO ONCE PER MONTH WHEN CONSTRUCTION ACTIVITIES HAVE CEASED DUE TO FROZEN CONDITIONS. INSPECTIONS MUST COMMENCE WHEN CONSTRUCTION ACTIVITIES ARE CONDUCTED, OR IF THERE IS A 0.5 INCHES OR GREATER RAIN EVENT, OR DISCHARGE DUE TO SNOWMELT OCCURS.

DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION MUST BE INSPECTED FOR EVIDENCE OF OR THE POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN MUST BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY MUST BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE MUST BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.

AT THE DISCRETION OF THE OWNER, KDSWCD, OR UNITED STATES ARMY CORPS OF ENGINEERS (USACE), VIOLATIONS FOUND DURING INSPECTIONS MUST BE CORRECTED WITHIN SEVEN (7) DAYS IF MINOR, THREE (3) DAYS IF MODERATE, AND IMMEDIATELY IF SEVERE.

THE CONTRACTOR MUST PREPARE REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORMWATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN. THE REPORT MUST BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT MUST BE SIGNED IN ACCORDANCE WITH PART VI.G OF THE ILR10 GENERAL PERMIT.

IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE RESIDENT ENGINEER OR OWNER'S REPRESENTATIVE MUST NOTIFY THE APPROPRIATE AGENCY FIELD OPERATIONS OFFICE OF THE IEPA BY EMAIL, TELEPHONE OR FAX WITHIN 24 HOURS OF ANY INCIDENCE OF NON-COMPLIANCE (ION) OR FOR VIOLATIONS OF ANY CONDITION OF THE PERMIT. ADDITIONALLY, THE OWNER'S REPRESENTATIVE MUST FILE WITHIN 5 DAYS, FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND WILL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE MUST BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI.G OF THE GENERAL PERMIT. THE REPORT OF NONCOMPLIANCE MUST BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
ATTN: COMPLIANCE ASSURANCE SECTION
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, IL 62794-9276

NON-STORMWATER DISCHARGES

THE FOLLOWING NON-STORM WATER DISCHARGES MAY BE AUTHORIZED PROVIDED THE NON-STORM WATER COMPONENT OF THE DISCHARGES IS IN COMPLIANCE WITH PART IV.D.5 OF THE ILR10 PERMIT:

- DISCHARGES FROM FIREFIGHTING ACTIVITIES
- FIRE HYDRANT FLUSHING
- WATERS USED TO WASH VEHICLES WHERE DETERGENTS ARE NOT USED
- WATERS USED TO CONTROL DUST
- POTABLE WATER SOURCES INCLUDING UNCONTAMINATED WATERLINE FLUSHINGS
- LANDSCAPE IRRIGATION DITCHES
- PAVEMENT WASHWATERS WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS MAY HAVE NOT OCCURRED (UNLESS ALL MATERIAL HAS BEEN REMOVED) AND DETERGENTS ARE NOT USED
- UNCONTAMINATED GROUND WATER

THE FOLLOWING NON-STORM WATER DISCHARGES ARE PROHIBITED:

- CONCRETE AND WASTEWATER FROM WASHOUT OF CONCRETE (UNLESS MANAGED BY AN APPROPRIATE CONTROL)
- DRYWALL COMPOUND
- WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO AND PAINT
- FORM RELEASE OILS
- CURING COMPOUNDS
- CONSTRUCTION MATERIALS, FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE
- SOAPS, SOLVENTS, OR DETERGENTS
- TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE
- OR ANY OTHER POLLUTANT THAT COULD CAUSE OR TEND TO CAUSE WATER POLLUTION

THE PLAN MUST IDENTIFY AND ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION AND EROSION AND SEDIMENT CONTROL MEASURES FOR THE NON-STORMWATER COMPONENTS OF THE DISCHARGE.

DURING DEWATERING OPERATIONS, WATER MUST BE PUMPED INTO FILTER BAGS, SEDIMENT TRAPS OR SILT TRAPS. FILTERED WATER MUST BE DISCHARGED ONTO STABILIZED SURFACE TO PREVENT ADDITIONAL EROSION AND SEDIMENTATION.

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WEST CHICAGO, IL



STORMWATER POLLUTION PREVENTION PLAN 2

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE 2021/02/26

PROJ DPA-4773

DWG CG-101

SHEET 23 of 26

FILENAME: 4773-CG-101-SWPPP.dgn PLOT DATE: 2021/02/22 PLOT TIME: 10:44:28 PM

CONTROL MEASURE GROUP	APPLICABLE	KEY	CONTROL MEASURE	CONTROL MEASURE CHARACTERISTICS	TEMPORARY	PERMANENT	
							X
EROSION CONTROL	NON-VEGETATIVE SOIL COVER	AG	AGGREGATE COVER	PROVIDES SOIL COVER ON ROADS AND PARKING LOTS AND AREAS WHERE VEGETATION CANNOT BE ESTABLISHED. PREVENTS MUD FROM BEING PICKED UP AND TRANSPORTED OFF-SITE.	X	X	
		EB	EROSION BLANKET	PROTECTS THE SOIL SURFACE FROM RAINDROP IMPACTS AND OVERLAND FLOW DURING THE ESTABLISHMENT OF VEGETATION. REDUCES SOIL MOISTURE LOSS DUE TO EVAPORATION.	X	X	
		GT	GEO-TEXTILE FABRIC	A PERMEABLE GEOSYNTHETIC FABRIC USED TO ENHANCE WATER MOVEMENT AND RETARD SOIL MOVEMENT; AND AS A BLANKET TO ADD REINFORCEMENT AND SEPARATION	X	X	
		M	MULCHING	ADDED INSURANCE OF A SUCCESSFUL TEMPORARY OR PERMANENT SEEDING. CONTROLS UNWANTED VEGETATION AND PRESERVES MOISTURE. PROVIDES COVER WHERE VEGETATION CANNOT BE ESTABLISHED.	X	X	
		P	PAVING	PROVIDES PERMANENT COVER ON PARKING LOTS AND ROADS OR OTHER AREAS WHERE VEGETATION CANNOT BE ESTABLISHED.	-	X	
		PM	POLYMER (POWDERED FORM)	A WATER SOLUBLE POLYACRYLAMIDE (PAM) IN POWDER FORM, USED FOR EROSION CONTROL WHEN BROADCASTED ON DISTURBED SOIL.	X	-	
	OUTLETS	LA	LINED APRON	PROTECTS DOWNSTREAM CHANNELS AND FLAT AREAS FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURES.	X	X	
		DS	DORMANT SEEDING	SAME AS PERMANENT SEEDING EXCEPT IS DONE DURING DORMANT SEASON. HIGHER RATES OF SEED APPLICATION ARE REQUIRED.	X	X	
		PS	PERMANENT SEEDING	PROVIDES PERMANENT VEGETATIVE COVER TO CONTROL EROSION, FILTERS SEDIMENT FROM WATER. MAY BE PART OF FINAL LANDSCAPE PLAN.	-	X	
		PTS	PLANTS, TREES, & SHRUBS	PROVIDES GROUND COVER, SHRUBS AND TREES IN ADDITION TO PERMANENT VEGETATION. MAY BE USED AS PART OF A FINAL LANDSCAPE PLAN ALONG WITH SHRUBS AND TREES.	-	X	
VEGETATIVE SOIL COVER	SO	SODDING	QUICK PERMANENT COVER TO CONTROL EROSION. QUICK WAY TO ESTABLISH VEGETATION FILTER STRIP. CAN BE USED ON STEEP SLOPES OR IN DRAINAGEWAYS WHERE SEEDING MAY BE DIFFICULT.	X	X		
	TS	TEMPORARY SEEDING	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING IS NOT DESIRED OR TIME OF YEAR IS INAPPROPRIATE.	X	-		
	VF	VEGETATIVE FILTER	USED ALONG DRAINAGEWAYS OR PROPERTY LINES TO FILTER SEDIMENT FROM RUNOFF. SIZE MUST BE INCREASED IN PROPORTION TO DRAINAGE AREA.	X	X		
	JN	JUTE NETTING	A NATURAL FIBER MESH USED FOR EROSION AND SEDIMENT CONTROL. MAY BE USED IN COMBINATION WITH POLYMERS AND FLOC LOGS TO REMOVE SUSPENDED SEDIMENT FROM STORM WATER.	X	-		
	FL	POLYMER (FLOC LOG FORM)	A WATER SOLUBLE POLYACRYLAMIDE (PAM) USED IN FLOWING CONDITIONS TO REMOVE SUSPENDED SEDIMENT FROM STORM WATER.	X	-		
	PM	POLYMER (POWDERED FORM)	A WATER SOLUBLE POLYACRYLAMIDE (PAM) IN POWDER FORM, USED IN CONJUNCTION WITH FLOC LOGS AND JUTE IN FLOWING CONDITIONS, TO REMOVE SUSPENDED SEDIMENT.	X	-		
	SP	SUMP PIT AND FILTER BAG	TEMPORARY PRACTICE TO REMOVE EXCESSIVE WATER FROM EXCAVATION WITH IMPROVED WATER QUALITY AND WITHOUT SEDIMENT	X	-		
	IPA	ABOVE GROUND INLET PROTECTION	TEMPORARY PRACTICE TO CONTROL SEDIMENT AT STORM DRAIN INLET FOR INSIDE DISTURBED DRAINAGE AREAS.	X	-		
	IPB	BELOW GROUND INLET PROTECTION (INLET BASKET)	TEMPORARY PRACTICE TO CONTROL SEDIMENT AT STORM DRAIN INLET FOR ALL CONCRETE AND PAVED SURFACES.	X	-		
	IPC	CULVERT INLET PROTECTION - STONE	TEMPORARY PRACTICE TO CONTROL SEDIMENT AT CULVERT INLETS.	X	-		
SEDIMENT CONTROL	MUD & DUST CONTROL	RS	CONSTRUCTION ROAD STABILIZATION	STABILIZATION OF TEMPORARY CONSTRUCTION ACCESS ROUTES TO REDUCE EROSION OF TEMPORARY ROADBEDS AND PARKING AREAS.	X	-	
		DT	DUST AND TRAFFIC CONTROL	PREVENTS DUST FROM LEAVING CONSTRUCTION SITE.	X	X	
		SE	STABILIZED CONST. ENTRANCE	PREVENT MUD FROM BEING PICKED UP AND CARRIED OFF-SITE.	X	X	
	PERIMETER CONTROL	XF	SILT FENCE	USED FOR SINGLE LOTS OR DRAINAGE AREAS LESS THAN 1/2 ACRE TO CONTROL SEDIMENT FROM RUNOFF.	X	-	
		XS	EXCAVATED SEDIMENT BASIN	A TEMPORARY PONDING BASIN, WITH OUTLET STRUCTURE, FORMED BY CONSTRUCTION OF AN EMBANKMENT OR EXCAVATED BASIN TO TEMPORARILY DETAIN SEDIMENT-LADEN RUNOFF FROM LARGER DISTURBED AREAS. USED WHEN DRAINAGE AREA IS GREATER THAN 5 ACRES.	X	-	
	TEMPORARY SEDIMENT BASINS/TRAPS	ST	TEMPORARY SEDIMENT TRAPS	A TEMPORARY PONDING BASIN FORMED BY CONSTRUCTION OF AN EMBANKMENT OR EXCAVATED BASIN TO TEMPORARILY DETAIN SEDIMENT-LADEN RUNOFF FROM SMALL, DISTURBED AREAS. USED WHEN DRAINAGE AREA IS LESS THAN 5 ACRES.	X	-	
		DIVERSIONS	CD	CHANNEL DIVERSION	TYPICALLY USED AT TOP OR BASE OF SLOPES. USED WHEN EXCESS SOIL IS NOT AVAILABLE.	X	X
			RD	RIDGE DIVERSION	TYPICALLY USED ABOVE SLOPES. USED WHERE AN EXCESS OF SOIL IS AVAILABLE.	X	X
	SD		TEMPORARY SLOPE DRAIN	A TUBING OR CONDUIT TO CONVEY CONCENTRATED RUNOFF DOWN A SLOPE WITHOUT CAUSING EROSION ON OR BELOW THE SLOPE.	X	-	
	CHECK DAMS - DITCH CHECKS	GC	GEOSYNTHETIC CHECK STRUCTURE	TEMPORARY PRACTICE TO REDUCE VELOCITY AND TRAP SEDIMENT.	X	-	
RC		ROCK CHECK DAM - COARSE AGGREGATE	A ROCK DAM CONSTRUCTED ACROSS A SWALE OR DITCH TO REDUCE THE VELOCITY OF CONCENTRATED STORM WATER FLOWS. TO BE USED WHEN EACH DAM HAS A DRAINAGE AREA OF LESS THAN 2 ACRES.	X	-		
RR		ROCK CHECK DAM - RIP RAP	A ROCK DAM CONSTRUCTED ACROSS A SWALE OR DITCH TO REDUCE THE VELOCITY OF CONCENTRATED STORM WATER FLOWS. TO BE USED WHEN EACH DAM HAS A DRAINAGE AREA OF LESS THAN 10 ACRES.	X	-		
SL		SEDIMENT LOG/STRAW WATTLE	TEMPORARY PRACTICE TO REDUCE VELOCITY AND TRAP SEDIMENT	X	-		
RUNOFF CONTROL	ENCLOSED DRAINAGE	SS	STORM SEWER	CAN BE USED TO CONVEY SEDIMENT LADEN WATER TO SEDIMENT BASIN OR IN CONJUNCTION WITH A WATERWAY.	X	X	
		UD	UNDERDRAIN	USED TO LOWER WATER TABLE AND INTERCEPT GROUNDWATER FOR BETTER VEGETATION GROWTH AND SLOPE STABILITY. USED TO CARRY BASE FLOW IN WATERWAYS AND TO DEWATER SEDIMENT BASINS.	X	X	
		CW	TEMPORARY CONCRETE WASHOUT	A DEVICE USED TO MANAGE LIQUID AND SOLID WASTES FROM CONCRETE USAGE ON CONSTRUCTION SITES.	X	-	
	OTHER	TO	TOPSOILING	METHODS OF PRESERVING AND USING TOPSOIL TO PROVIDE A SUITABLE GROWTH MEDIUM FOR SITE STABILIZATION WITH VEGETATION.	X	X	
		LC	LINED CHANNEL	USED WHEN VEGETATION WILL NOT PROTECT THE CHANNEL AGAINST HIGH VELOCITIES OF FLOW OR WHERE VEGETATION CANNOT BE ESTABLISHED.	X	X	
	WATERWAYS	SSS	STRUCTURAL STREAMBANK STABILIZATION - RIPRAP/GABIONS	PROTECTS STREAMBANKS FROM EROSION FORCE OF FLOWING WATER	-	X	
		CC	TEMPORARY CREEK CROSSING	A TEMPORARY STRUCTURE INSTALLED ACROSS A WATERCOURSE TO ALLOW CONSTRUCTION VEHICLES TO CROSS WITHOUT CAUSING SEDIMENTATION, STREAMBED DAMAGE, OR FLOODING.	X	-	
		VC	VEGETATIVE CHANNEL	PROVIDED ADDED STABILITY TO CHANNEL. USED WHEN VELOCITY OF FLOW IS NOT EXTREMELY FAST.	X	X	
		VSS	VEGETATIVE STREAMBANK STABILIZATION	PROTECTS STREAMBANKS FROM THE EROSION FORCE OF FLOWING WATER AND PROVIDES NATURAL, PLEASING APPEARANCE	-	X	

INSPECTION AND MAINTENANCE SCHEDULE

ACTIVITY	RESPONSIBLE PARTY	DURATION
STABILIZATION DURING CONSTRUCTION MAINTENANCE	CONTRACTOR	AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAIN EVENT, OR BY THE END OF THE FOLLOWING BUSINESS OR WORK DAY, THAT IS 0.5 INCHES OR GREATER.
STABILIZATION DURING CONSTRUCTION-OBSERVATION	CONTRACTOR	AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAIN EVENT, OR BY THE END OF THE FOLLOWING BUSINESS OR WORK DAY, THAT IS 0.5 INCHES OR GREATER.
VEGETATION MAINTENANCE	CONTRACTOR	COMPLETION OF CONTRACT
VEGETATION AND STABILIZATION MAINTENANCE	OWNER	ONGOING AFTER CONSTRUCTION COMPLETION

PROPOSED WORK SCHEDULE

MOBILIZATION / IMPLEMENT EROSION CONTROL	DESCRIPTION OF CONSTRUCTION ACTIVITIES	FINAL STABILIZATION
10 DAYS	53 DAYS	5 DAYS

SOIL PROTECTION SCHEDULE

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
TEMPORARY SEEDING												
EROSION BLANKET / HYDROMULCH												
MULCH												
POLYMERS	*											

* OR UNTIL GROUND FREEZES

NOTE:
 FOR PURPOSES OF THIS NOTE, SWPPP INCLUDES:
 1. ALL SOIL EROSION AND SEDIMENT CONTROL PLAN SHEETS AND DETAILS
 2. GRADING PLANS
 3. EXISTING CONDITIONS AND DEMOLITION PLANS
 4. UTILITY PLANS SHOWING DRAINAGE AND STORM SEWER SYSTEMS
 5. ILR10 NPDES INSPECTION REPORTS
 6. ASSOCIATED SPECIFICATIONS
 CONTRACTOR MUST RETAIN A SIGNED AND APPROVED COPY OF THE SWPPP ON THE JOB SITE AT ALL TIMES.

SWPPP OPERATOR CERTIFICATION STATEMENT
 "I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

SWPPP OPERATOR

SIGNATURE _____ TITLE _____

COMPANY _____ DATE _____

CONTRACTOR CERTIFICATION
 "I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT ILR10 THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."

GENERAL CONTRACTOR

SIGNATURE _____ TITLE _____

COMPANY _____ DATE _____

WITNESSED BY OWNER

SIGNATURE _____ TITLE _____

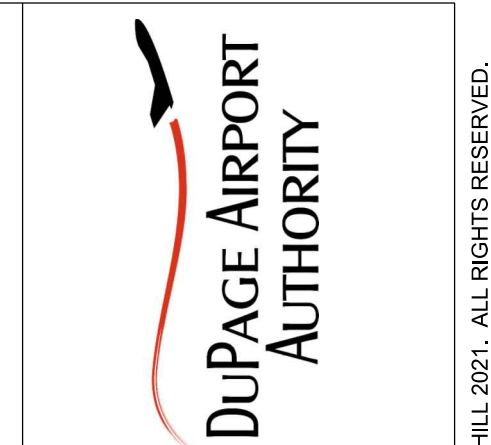
COMPANY _____ DATE _____

SUB-CONTRACTOR

SIGNATURE _____ TITLE _____

COMPANY _____ DATE _____

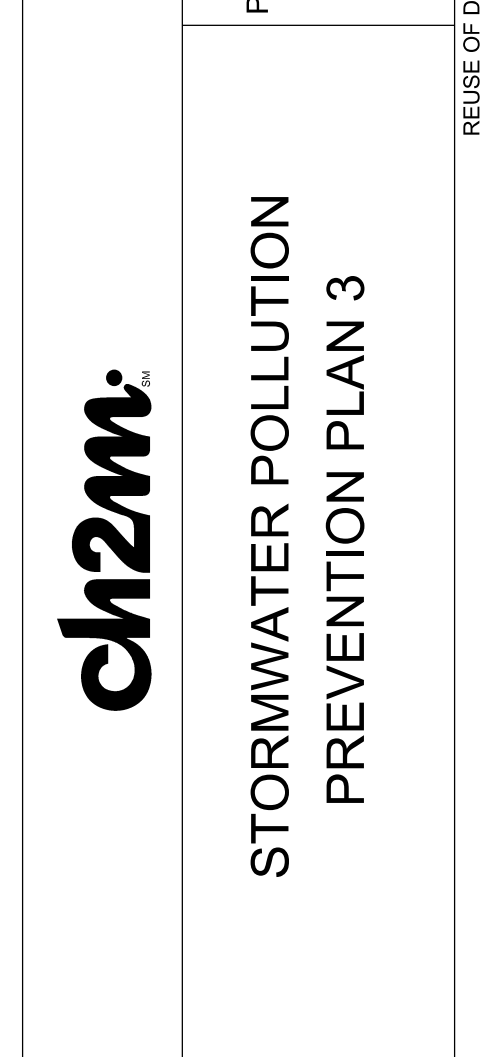
RESPONSIBLE FOR _____



NO.	DATE	REVISION	BY	APVD
1	2021/02/26	100% SUBMITTAL	TM	TM
DSGN	TL	CHK	DR	APVD

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 WEST CHICAGO, IL



STORMWATER POLLUTION PREVENTION PLAN 3

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE 2021/02/26
 PROJ DPA-4773
 DWG CG-102
 SHEET 24 of 26

SOIL EROSION CONTROL AND SEDIMENT CONTROL NOTES

- THE CONTRACTOR SHALL CONTACT THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD), ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO LAND DISTURBING ACTIVITY, AS SOON AS THE INITIAL EROSION CONTROL ITEMS ARE INSTALLED AND ONE WEEK PRIOR TO FINAL INSPECTION.
- THE OWNER IS REQUIRED TO SUBMIT A NOTICE OF INTENT (NOI) TO THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA) FOR THE PROJECT. THE CONTRACTOR IS NOT PERMITTED TO BEGIN WORK UNTIL 30 DAYS FOLLOWING OWNER'S SUBMITTAL OF THE NOI.
- SOIL EROSION AND SEDIMENT CONTROL (SESC) FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES. DISTURBANCE OF AREAS NOT INCLUDED IN THE DESIGN WILL REQUIRE NOTIFICATION OF THE KDSWCD IN ACCORDANCE WITH THE 404 PERMIT SPECIAL CONDITIONS.
- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED AT MINIMUM ACCORDING TO THE STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, REVISED TO LATEST VERSION AS AMENDED. A COPY OF THE APPROVED STORMWATER POLLUTION PREVENTION PLAN MUST BE MAINTAINED ON THE SITE AT ALL TIMES.
- THE EROSION CONTROL SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY THE OWNER'S REPRESENTATIVE, THE KDSWCD, OR USACE. ALL ADDITIONAL MEASURES MUST BE IN PLACE WITHIN 3 DAYS OF DISTURBANCE AND ANY EMERGENCY SESC MEASURES MUST BE INSTALLED IMMEDIATELY AT THE DISCRETION OF KDSWCD, OR USACE.
- PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES OTHER THAN THOSE INDICATED ON THE PLANS (INCLUDING BUT NOT LIMITED TO ADDITIONAL PHASES OF THE DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS), A SUPPLEMENTAL EROSION CONTROL PLAN MUST BE SUBMITTED TO THE OWNER FOR REVIEW BY KDSWCD. THE CONTRACTOR BASED ON THE CONSTRUCTION SCHEDULE WEEKLY MEETING, WILL MODIFY STORM WATER POLLUTION PREVENTION PLAN IF NECESSARY. DEPENDING ON MODIFICATION TO THE WORK SCHEDULE, THE CONTRACTOR MUST SUBMIT DRAWINGS TO THE KDSWCD FOR REVIEW.
- THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREA AS THE PROJECT PROGRESSES, AND INSTALL EROSION PROTECTION TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR MUST INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE EARTHEN MATERIAL TO THE SATISFACTION OF THE OWNER, KDSWCD.
- ALL CONTROL MEASURES NECESSARY TO MEET THE REQUIREMENTS OF THE DUPAGE COUNTY COUNTYWIDE STORMWATER AND FLOOD PLAIN ORDINANCE OR THE WAIVER COMMUNITY ORDINANCE MUST BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
- THE CONTRACTOR AND SUBCONTRACTORS MUST SUBMIT A WRITTEN AND SIGNED (BY CONTRACTOR) STORM WATER POLLUTION PREVENTION PLAN (SWPPP), MEETING THE REQUIREMENTS OF THE IEPA'S CURRENT NPDES STORM WATER PERMIT FOR CONSTRUCTION SITE ACTIVITIES, INCLUDING DETAILS OF SPECIFIC DEVICES SUCH AS SILT FENCE, DITCH CHECK, ETC. TO BE UTILIZED FOR EROSION AND SEDIMENT CONTROL. THE PLAN MUST BE SUBMITTED AND APPROVED BY THE OWNER A MINIMUM OF TEN (10) DAYS PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES. A COPY OF THE APPROVED SWPPP MUST BE GIVEN TO THE OWNER'S REPRESENTATIVE FIVE DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR AND OWNER MUST MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN DAYS OF THE FOLLOWING: 1) DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED, 2) STRUCTURAL CONTROL MEASURES (SILT FENCES, ETC.), AND 3) LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE. AN ADDITIONAL INSPECTION OF THE ITEMS LISTED ABOVE MUST BE MADE WITHIN TWENTY-FOUR (24) HOURS OF A 0.5-INCH OR GREATER RAINFALL OR EQUIVALENT SNOWFALL.
- THE CONTRACTOR AND OWNER MUST KEEP A WRITTEN REPORT SUMMARIZING THE REQUIRED INSPECTION EACH TIME AN INSPECTION TAKES PLACE. THE REPORTS MUST BE KEPT AT THE SITE DURING CONSTRUCTION. THE REPORTS MUST ALSO BE RETAINED FOR THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED.
- THE OWNER'S REPRESENTATIVE MUST NOTIFY THE APPROPRIATE AGENCY FIELD OPERATIONS OFFICE OF THE IEPA BY EMAIL, TELEPHONE OR FAX WITHIN 24 HOURS OF ANY INCIDENCE OF NONCOMPLIANCE AND MUST FILL OUT AND FILE WITHIN FIVE (5) DAYS WITH THE EPA AN INCIDENCE OF NONCOMPLIANCE (ION) FORM WHEN REQUIRED BY THE PERMIT.
- THE CONTRACTOR MUST COOPERATE WITH THE OWNER'S REPRESENTATIVES WHO WILL MAKE SITE VISITS TO REVIEW COMPLIANCE WITH THE PLAN IN THE FIELD AND AUDIT THE LOGS AND RECORDS REQUIRED BY THE PERMIT.
- THE INSTALLATION, MAINTENANCE, REMOVAL AND RESTORATION OF THE AREA DISTURBED BY THE PLACEMENT OF THE PERIMETER EROSION BARRIER ARE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER. AFTER ALL PERIMETER EROSION BARRIER IS REMOVED, THE AREAS DAMAGED BY THE PERIMETER EROSION BARRIER MUST BE RESTORED.
- DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO FILTER BAGS, SEDIMENT TRAPS, SILT TRAPS, OR POLYMER TREATMENT CHANNELS. FILTERED WATER SHOULD BE DISCHARGED ONTO STABILIZED SURFACE TO PREVENT ADDITIONAL EROSION AND/OR SEDIMENTATION. DEWATERING DIRECTLY INTO FIELD TILES, STORM WATER STRUCTURES, OR "WATERS OF THE U.S." IS PROHIBITED.
- THE CONTRACTOR MUST CONSULT WITH A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) FOR THE DESIGN AND MAINTENANCE OF SEDIMENTATION BASINS WITH BAFFLE SYSTEM AND TRAPS AS WELL AS POLYMERS AND FLOC LOGS, IF REQUIRED.
- ALL STORM SEWER INLET STRUCTURES MUST BE PROTECTED WITH STORM SEWER INLET PROTECTION (I.E. INLET FILTERS) PER INLET PROTECTION DETAILS IN THE PLANS. ALTERNATE TYPES OF PROTECTION MAY BE SUBMITTED FOR REVIEW AND APPROVAL BY THE OWNER OR KDSWCD.
- THE CONTRACTOR MUST MAINTAIN AND PRESERVE ANY EXISTING SUB-SURFACE DRAINAGE SYSTEMS (I.E. FIELD TILES) ACCORDING TO THE RELEVANT DESIGN AND CONSTRUCTION STANDARDS.
- CONSTRUCTION ACTIVITIES MUST BE SCHEDULED TO MINIMIZE THE TIME SOIL IS EXPOSED AND UNPROTECTED. IN NO CASE WILL THE EXISTING VEGETATION BE DESTROYED, REMOVED, OR DISTURBED MORE THAN FOURTEEN (14) DAYS PRIOR TO THE INITIATION OF IMPROVEMENTS.
- TEMPORARY CONSTRUCTION ENTRANCES WILL BE CONSTRUCTED AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES THE SITE VIA EXISTING HARD SURFACES. CONTRACTOR TO DETERMINE APPROPRIATE LOCATIONS BASED ON HAULING AND STAGING PLAN.
- GRAVELED ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, MUST BE PROVIDED TO PREVENT THE DEPOSIT OF SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING PUBLIC OR PRIVATE ROADWAY MUST BE REMOVED IMMEDIATELY.
- STOCK PILES OF SOIL MUST NOT BE LOCATED IN FLOOD PLAINS, RIPARIAN AREAS (VEGETATED FLOOD PLAINS), WETLANDS AND WATERS OF THE U.S. UNLESS OTHERWISE AUTHORIZED BY THE RELEVANT PERMITTING AUTHORITY. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, PERIMETER EROSION BARRIER MUST BE PROVIDED. IF THE STOCKPILE IS INACTIVE FOR MORE THAN 14 DAYS, SOIL STABILIZATION MUST BE PROVIDED BY THE 7TH DAY AFTER ACTIVITY HAS STOPPED.
- WHEN FILLING A WETLAND ADJACENT TO A W.U.S., EROSION CONTROL MEASURES MUST BE IN PLACE SO THAT WHEN FILL MATERIAL IS PLACED, OVERLAND FLOW IS NOT ALLOWED TO ACCUMULATE SEDIMENT AND ENTER WATERS OF THE U.S.
- IF THE VOLUME, VELOCITY, SEDIMENT LOAD, OR PEAK FLOW RATE OF STORMWATER RUNOFF ARE TEMPORARILY INCREASED DURING CONSTRUCTION, THEN PROPERTIES AND SPECIAL MANAGEMENT AREAS DOWNSTREAM FROM SUCH DEVELOPMENT SITES MUST BE PROTECTED FROM EROSION.
- WHEN THE CONSTRUCTION IS COMPLETED, THE SITE HAS BEEN FULLY STABILIZED AND ALL DISCHARGES OF STORMWATER AUTHORIZED BY THE PERMIT HAVE BEEN ELIMINATED, THE CONTRACTOR MUST PROVIDE A LETTER TO THE OWNER OR OWNER'S REPRESENTATIVE STATING THESE FACTS.
- AFTER THE SITE HAS BEEN PERMANENTLY STABILIZED AND ANY/ALL STORMWATER DISCHARGES, AUTHORIZED UNDER THE ILR10 PERMIT ARE ELIMINATED, THE OWNER WILL SUBMIT A COMPLETED NOTICE OF TERMINATION (NOT) SIGNED IN ACCORDANCE WITH PART VI.G (SIGNATORY REQUIREMENTS) OF THE ILR10 PERMIT TO IEPA.
- NO SILT FENCE TO BE INSTALLED WITHIN OBJECT FREE AREAS OF ACTIVE TAXIWAYS OR RUNWAYS.
- EXISTING EROSION CONTROL MEASURES IN PLACE AT THE BEGINNING ON THIS CONTRACT DONE BY OTHERS SHALL BE MAINTAINED IN AREAS NOT DISTURBED BY THE PROPOSED WORK WITHIN THESE DOCUMENTS. FOR LOCATIONS AND DESCRIPTIONS OF PREVIOUS EROSION CONTROL MEASURES DONE BY OTHERS, SEE EXISTING EROSION CONTROL SHEETS.
- LOCATIONS OF SEDIMENT LOGS SHOWN ON THESE PLANS ARE APPROXIMATE. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD, BASED ON ACTUAL CONDITIONS. SEDIMENT LOGS SHALL BE INSTALLED TO ENCIRCLE ALL PROPOSED OPEN-GRATE DRAINAGE STRUCTURES UNTIL GROUND HAS BEEN STABILIZED. LOGS SHALL BE INSTALLED AT MAXIMUM 100' SPACING WITHIN ALL DITCHES OR OTHER AREAS OF CONCENTRATED FLOW, OR AS DIRECTED BY THE KDSWCD.
- TEMPORARY SOIL STOCKPILE EMBANKMENT SLOPES SHALL NOT EXCEED 10 FEET IN HEIGHT WITHOUT THE PLACEMENT OF SLOPE STABILIZATION, SUCH AS TEMPORARY SEEDING OR SLOPE POLYMER EROSION CONTROL.
- RESTORE ALL PROPOSED UTILITY TRENCHES NOT SHOWN WITHIN THE LIMITS OF THESE EROSION CONTROL PLANS WITH PERMANENT SEEDING OR AS DIRECTED BY THE OWNER.
- CONTRACTOR SHALL INSTALL PERIMETER EROSION BARRIER AT ANY LOCATION IN WHICH SHEET FLOWS MAY RESULT IN SEDIMENT RUNOFF OUTSIDE THE LIMITS OF CONSTRUCTION ACTIVITIES. LOCATIONS SHOWN ON THESE PLANS ARE SUGGESTED. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER BASED ON FIELD CONDITIONS.



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PHASE II - UPGRADE WILDLIFE HAZARD FENCING
ON SOUTHERN AND WESTERN BOUNDARIES

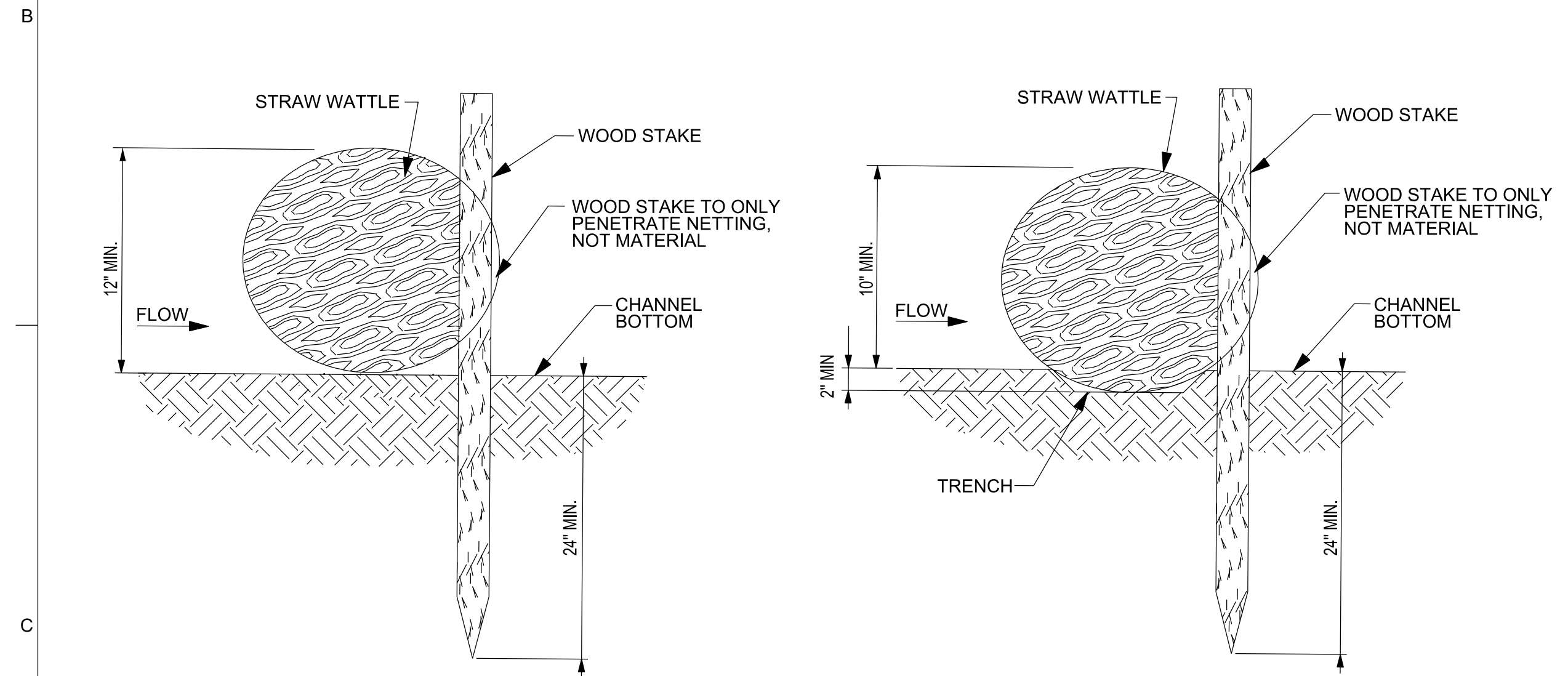
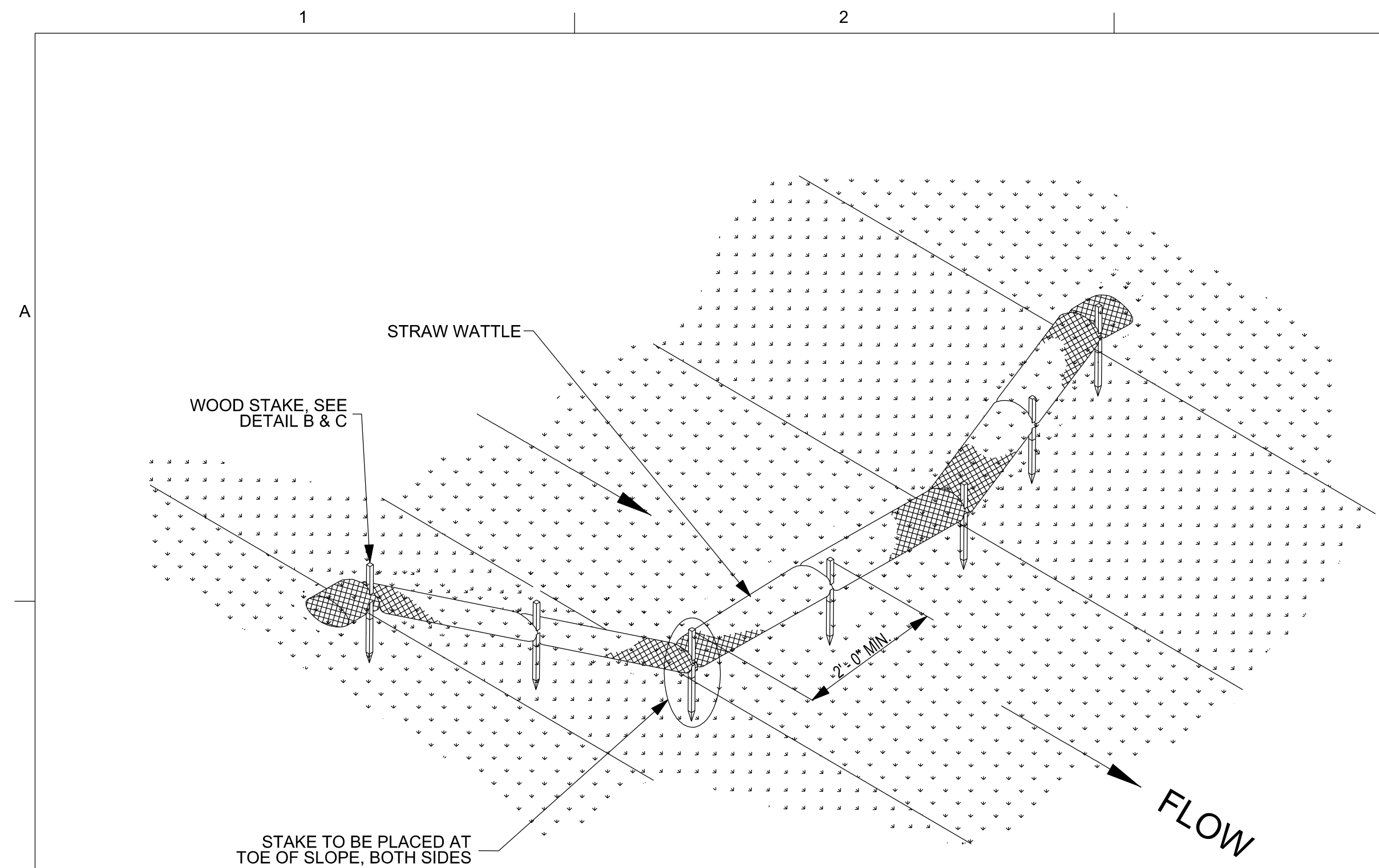
DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

ch2m

**STORMWATER POLLUTION
PREVENTION PLAN 4**

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	2021/02/26
PROJ	DPA-4773
DWG	CG-103
SHEET	25 of 26

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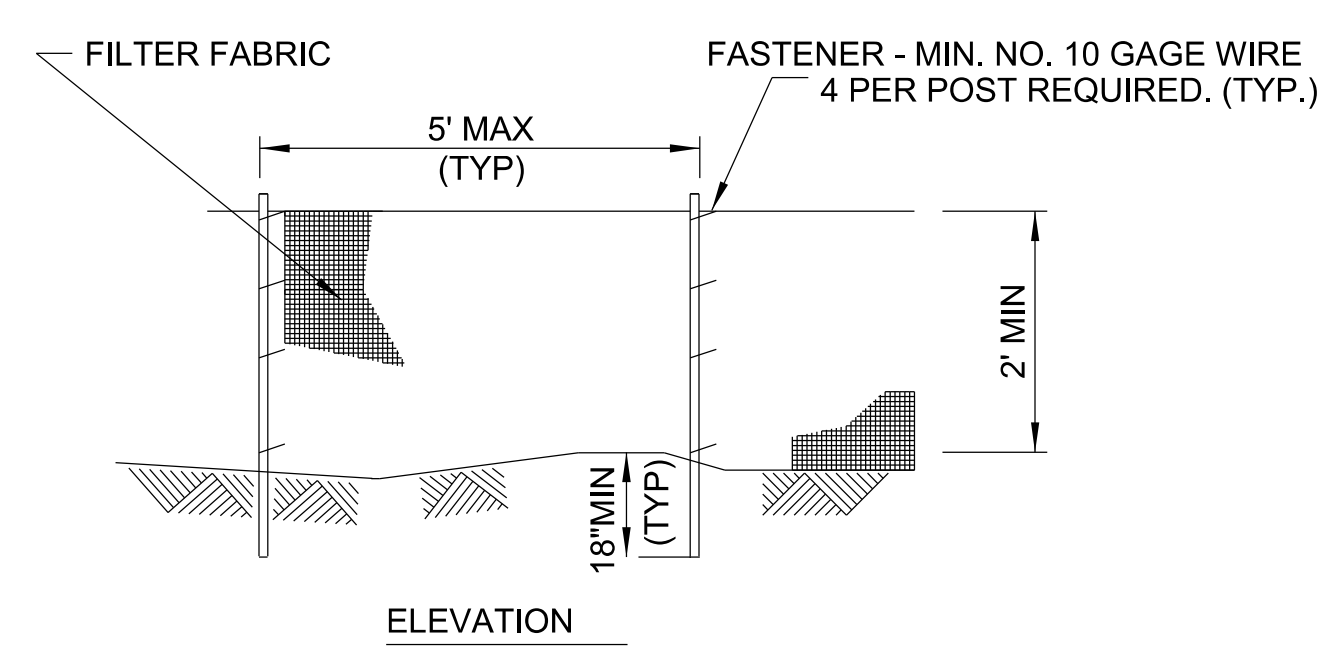


A STAKE DETAIL (NO TRENCH)
NTS

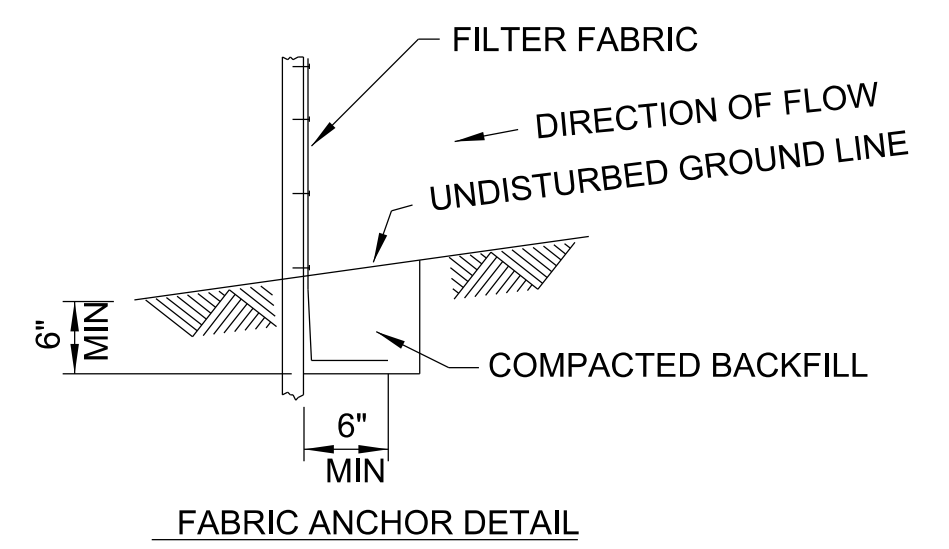
B STAKE DETAIL (WITH TRENCH)
NTS

NOTE:
TRENCH OPTION IS MOST APPLICABLE IN LOOSE, UNCONSOLIDATED SOILS

1 STRAW WATTLE DETAIL (NO BLANKET)
NTS



ELEVATION



FABRIC ANCHOR DETAIL

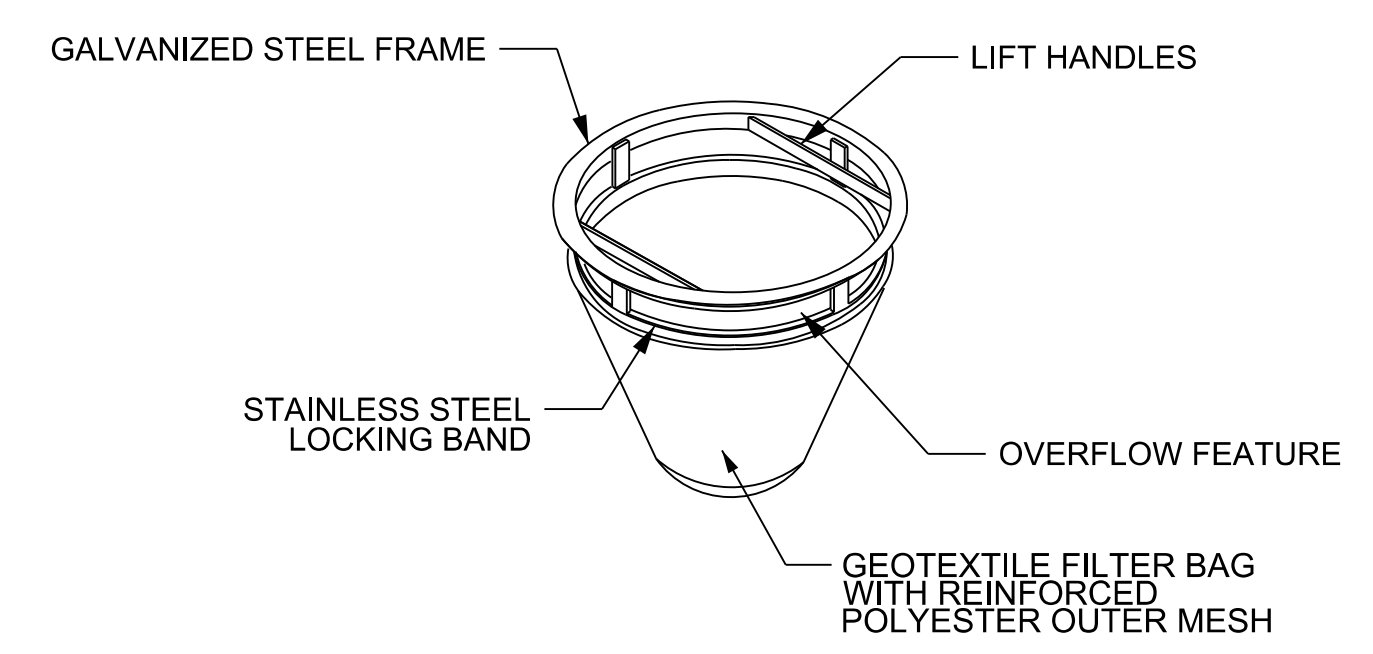
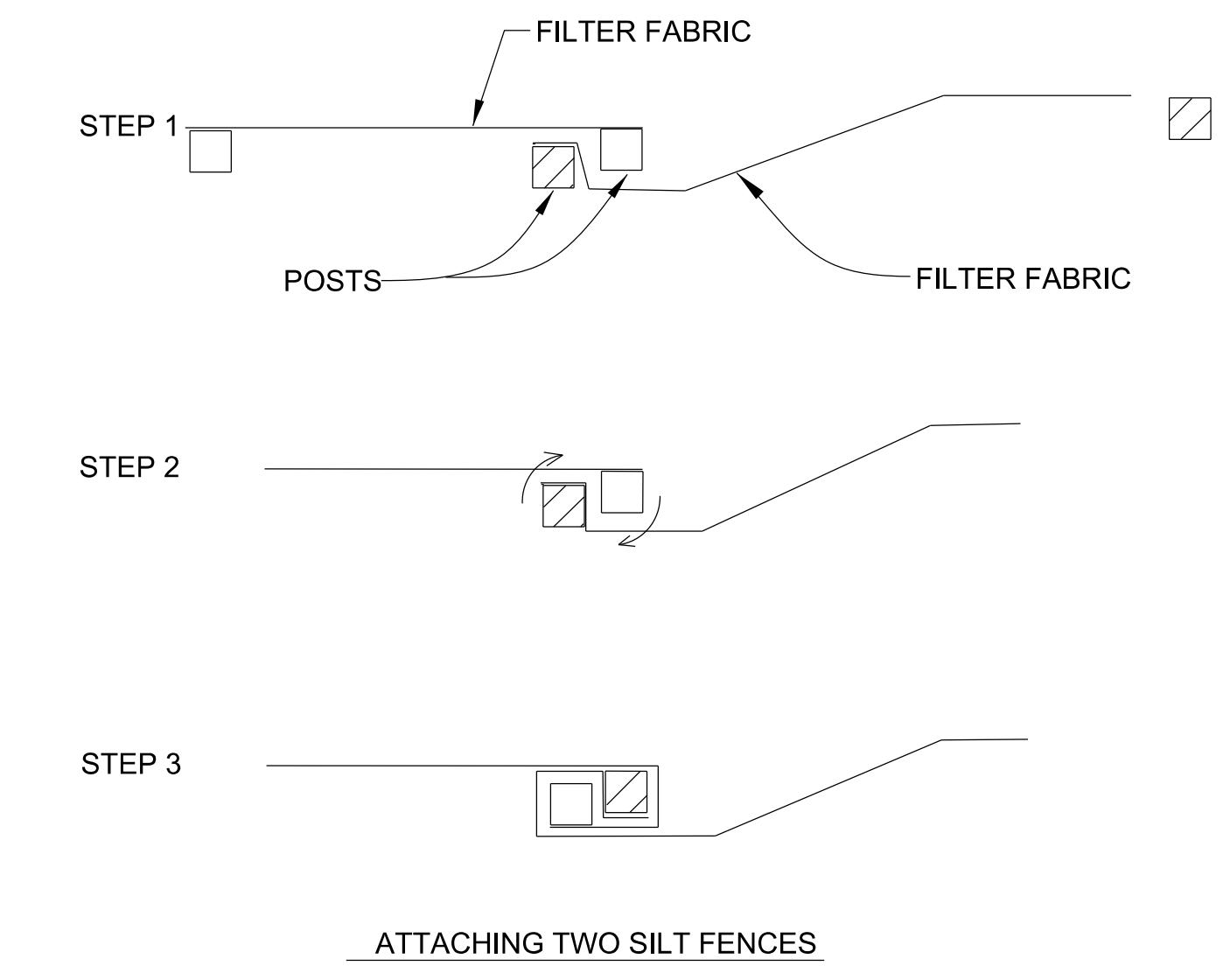
NOTES:

- TEMPORARY SEDIMENT FENCE MUST BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. THEY MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
- FILTER FABRIC MUST MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION P-629 GEOTEXTILE.
- FENCE POSTS MUST BE EITHER STANDARD STEEL POST OR WOOD POST WITH A MINIMUM CROSS-SECTIONAL AREA OF 3.0 SQ. IN.

NOTES:

- PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE.
- ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL.
- DRIVE BOTH POSTS A MINIMUM OF 18 INCHES INTO THE GROUND AND BURY THE FLAP.

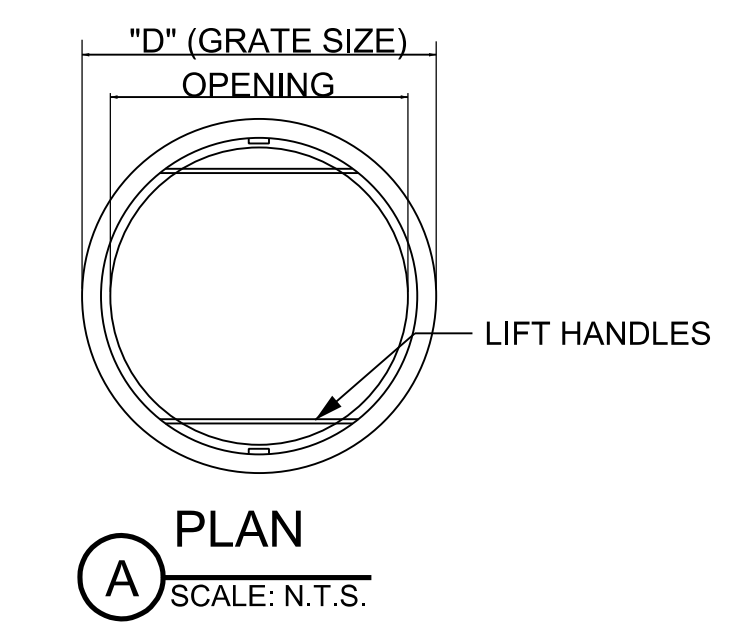
2 SILT FENCE PLAN AND SETUP
NTS



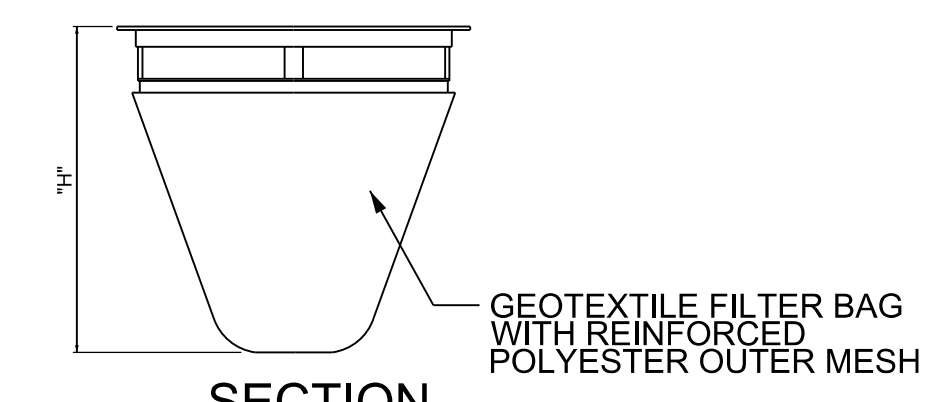
NOTE:

INLET FILTERS ARE SLIGHTLY SMALLER THAN THE DRAINAGE STRUCTURE GRATE SIZES. WHEN IDENTIFIED OR SPECIFYING INLET FILTERS REFER TO THE DIAMETER "D" OR WIDTH "W" AND HEIGHT "H" OF FILTER FRAMES OR CASTING GRATES. REFER TO CASTING CROSS REFERENCE GUIDE FOR IDOT STANDARDS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

3 INLET PROTECTION TYPE A (ROUND) FILTER DETAILS
NTS



A PLAN
SCALE: N.T.S.



B SECTION
SCALE: N.T.S.

8735 W. HIGGINS ROAD
SUITE 400
CHICAGO, IL 60631

PHASE II - UPGRADE WILDLIFE HAZARD FENCING
ON SOUTHERN AND WESTERN BOUNDARIES
DUPAGE AIRPORT (DPA)
WEST CHICAGO, IL

ch2m
STORMWATER POLLUTION
PREVENTION PLAN DETAILS

VERIFY SCALE	
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DWG	CG-104
SHEET	26 of 26

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