

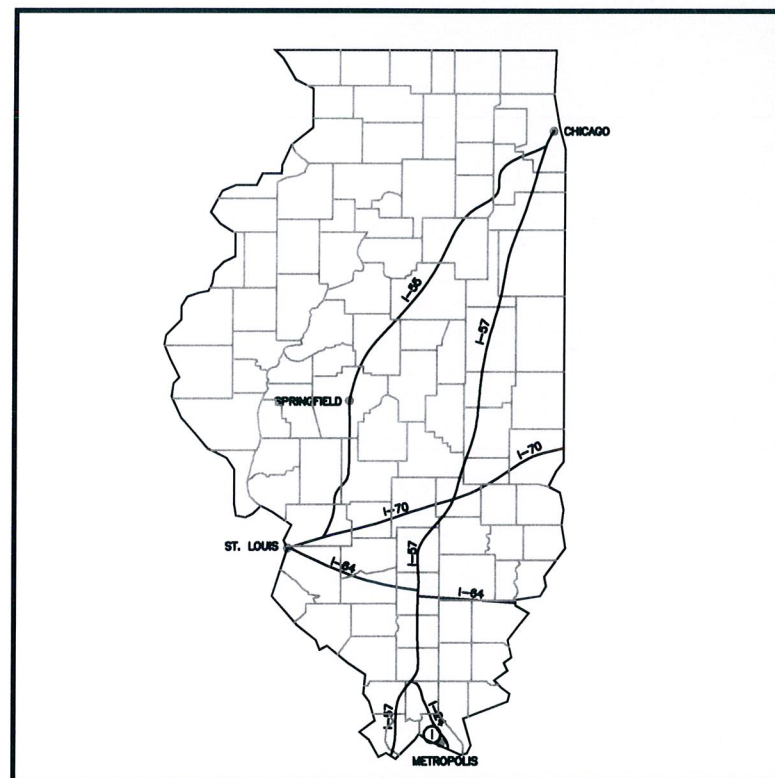
LETTING ITEM NO. 08A  
JUNE 15, 2018 LETTING

# CONSTRUCTION PLANS FOR

# METROPOLIS MUNICIPAL AIRPORT

MP009  
TOTAL SHEETS: 10

REPLACE EXISTING CLASS E FENCE  
IN TERMINAL AREA



LOCATION MAP

ILLINOIS PROJECT NUMBER: M30-4534  
SBG PROJECT NUMBER: 3-17-SBGP-133/139

METROPOLIS, ILLINOIS  
MASSAC COUNTY



VICINITY MAP

BROWN AND ROBERTS, INC.  
CONSULTING ENGINEER  
PRESIDENT

SUBMITTED BY:

JIM W. BROWN, PRESIDENT

DATE SUBMITTED:

4/20/2018

LICENSE NUMBER: 062-035047

LICENSE EXPIRATION DATE: NOVEMBER 30, 2019

PLANS PREPARED BY:



BROWN AND ROBERTS, INC.  
1 WESTRIDGE ROAD  
HARRISBURG, IL. 62946  
(618) 252-8111

METROPOLIS MUNICIPAL AIRPORT

MAYOR

APPROVED BY:

BILLY McDANIEL

DATE

4/16/18



INDEX OF SHEETS	
SHEET NUMBER	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS & SUMMARY OF QUANTITIES
3	CONSTRUCTION SAFETY & PHASING PLAN
4	FENCE REMOVAL PLAN 1
5	FENCE REMOVAL PLAN 2
6	PROPOSED FENCE PLAN 1
7	PROPOSED FENCE PLAN 2
8	FENCE DETAILS 1
9	FENCE DETAILS 2
10	MANUAL SLIDE GATE DETAILS

SUMMARY OF QUANTITIES			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
AR150520	MOBILIZATION	L.S.	1
AR162220	CLASS E MANUAL SLIDE GATE - 20'	EACH	2
AR162506	CLASS E FENCE 6'	L.F.	890
AR162604	CLASS E GATE - 4'	EACH	1
AR162900	REMOVE CLASS E FENCE	L.F.	420
AR162910	REMOVE CLASS E GATE	EACH	3

SCOPE OF WORK

THE PROJECT SCOPE CONSISTS OF THE REMOVAL AND REPLACEMENT OF EXISTING CLASS E FENCING IN THE TERMINAL AREA.

PROPOSED SAFETY PLAN

GENERAL – THE METROPOLIS MUNICIPAL AIRPORT CURRENTLY HAS A PAVED NORTH–SOUTH RUNWAY (4002–FT BY 75–FT). IT IS ANTICIPATED THAT NO CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT WILL IMPACT ANY AIRCRAFT OPERATIONS ON THE AIRPORT RUNWAYS.

THE CONTRACTOR SHALL SUBMIT A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) CONFIRMING COMPLIANCE WITH THE CONSTRUCTION SAFETY PHASING PLAN (CSPP) PRIOR TO THE ISSUANCE OF THE NOTICE TO PROCEED AS SPECIFIED IN FAA AC 150/5370–26.

CONTRACTOR’S RESPONSIBILITIES

IDENTIFICATION – THE CONTRACTOR’S VEHICLES AND EQUIPMENT SHALL BE PROPERLY MARKED WITH 3–FOOT SQUARE INTERNATIONAL ORANGE AND WHITE CHECKERED FLAGS ANYTIME THEY ARE ON AIRPORT PROPERTY.

THE CONTRACTOR AND HIS EMPLOYEES SHALL BE RESTRICTED TO THE WORK AREA.

EQUIPMENT PARKING AND STORAGE – THE CONTRACTOR’S EQUIPMENT PARKING, STORAGE, AND EMPLOYEE PARKING WILL BE AT THE LOCATION SHOWN ON THIS SHEET. ONLY CONTRACTOR VEHICLES AND EQUIPMENT REQUIRED FOR CONSTRUCTION WILL BE ALLOWED OUTSIDE THIS AREA.

BARRICADES AND TRAFFIC CONES – IT WILL BE THE CONTRACTOR’S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS REQUIRED AND AS DIRECTED BY THE RESIDENT ENGINEER. BARRICADES, THEIR MAINTENANCE, PLACEMENT, AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING PAVEMENTS CAUSED BY HIS PERSONNEL OR EQUIPMENT.

HAUL ROUTE AND EQUIPMENT PARKING

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND EQUIPMENT PARKING AREA SHOWN ON THIS SAFETY PLAN. THE PROPOSED EQUIPMENT PARKING AREA WILL BE ONE AREA APPROXIMATELY 100–FT BY 20–FT. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND PARKING AREA THROUGHOUT THE COURSE OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, ALL AREAS DISTURBED WILL BE RESTORED AS NEEDED TO ITS ORIGINAL STATE. RESTORATION OF THE HAUL ROUTE AND EQUIPMENT PARKING AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

UTILITY NOTE

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES AND ORGANIZATIONS THAT HAVE LINES OR CONDUITS IN THE PROPOSED WORK AREA. ALL LINES AND CONDUITS SHALL BE LOCATED AND IDENTIFIED FOR DEPTH BEFORE ANY EXCAVATION BEGINS. THE CONTRACTOR SHALL CALL JULIE (1–800–892–0123) TO ACCOMPLISH THESE REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL NON–JULIE UTILITIES LOCATED WITHIN THE PROPOSED CONSTRUCTION LIMITS. THESE UTILITIES ARE TO BE LOCATED PRIOR TO THE START OF CONSTRUCTION.

J.U.L.I.E. INFORMATION

COUNTY.....MASSAC  
CITY.....METROPOLIS  
TWNHP/RNG.....T15S–R4E  
SECTION NO.....27  
NEAREST MAJOR ROAD INTERSECTION...U.S. ROUTE 45 AND AIRPORT ROAD  
AIRPORT ADDRESS.....METROPOLIS MUNICIPAL AIRPORT  
751 AIRPORT ROAD  
METROPOLIS, IL 62960

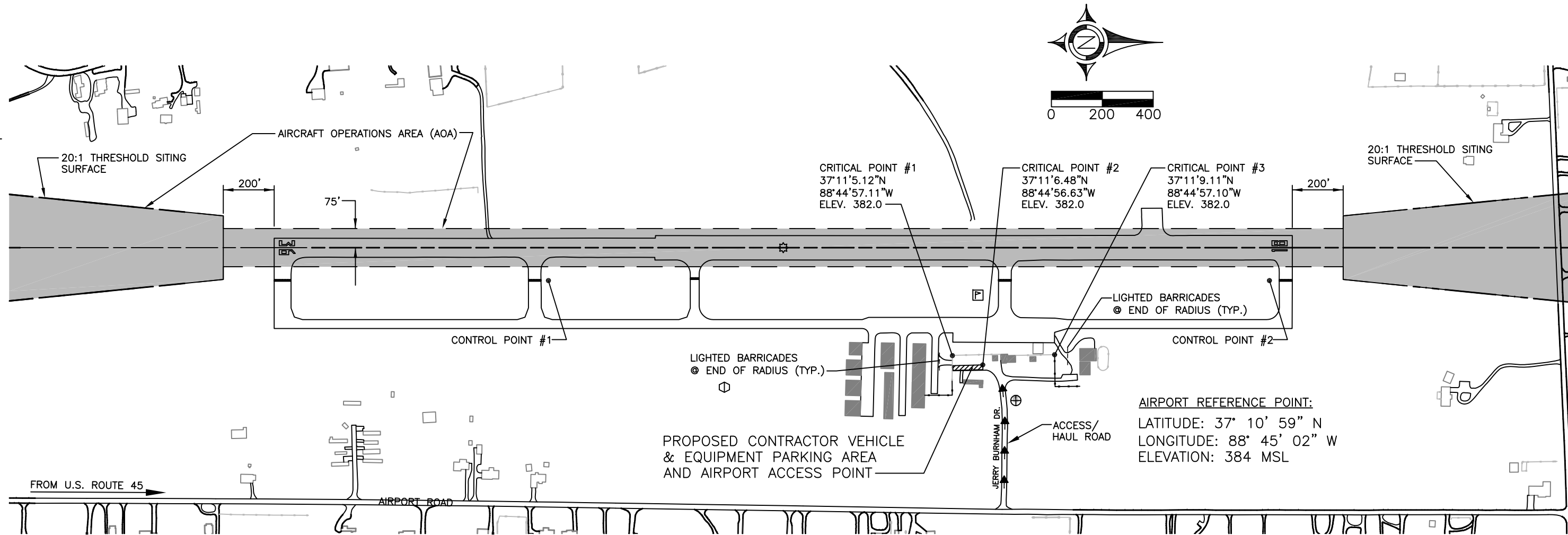
HEIGHT OF CONSTRUCTION EQUIPMENT

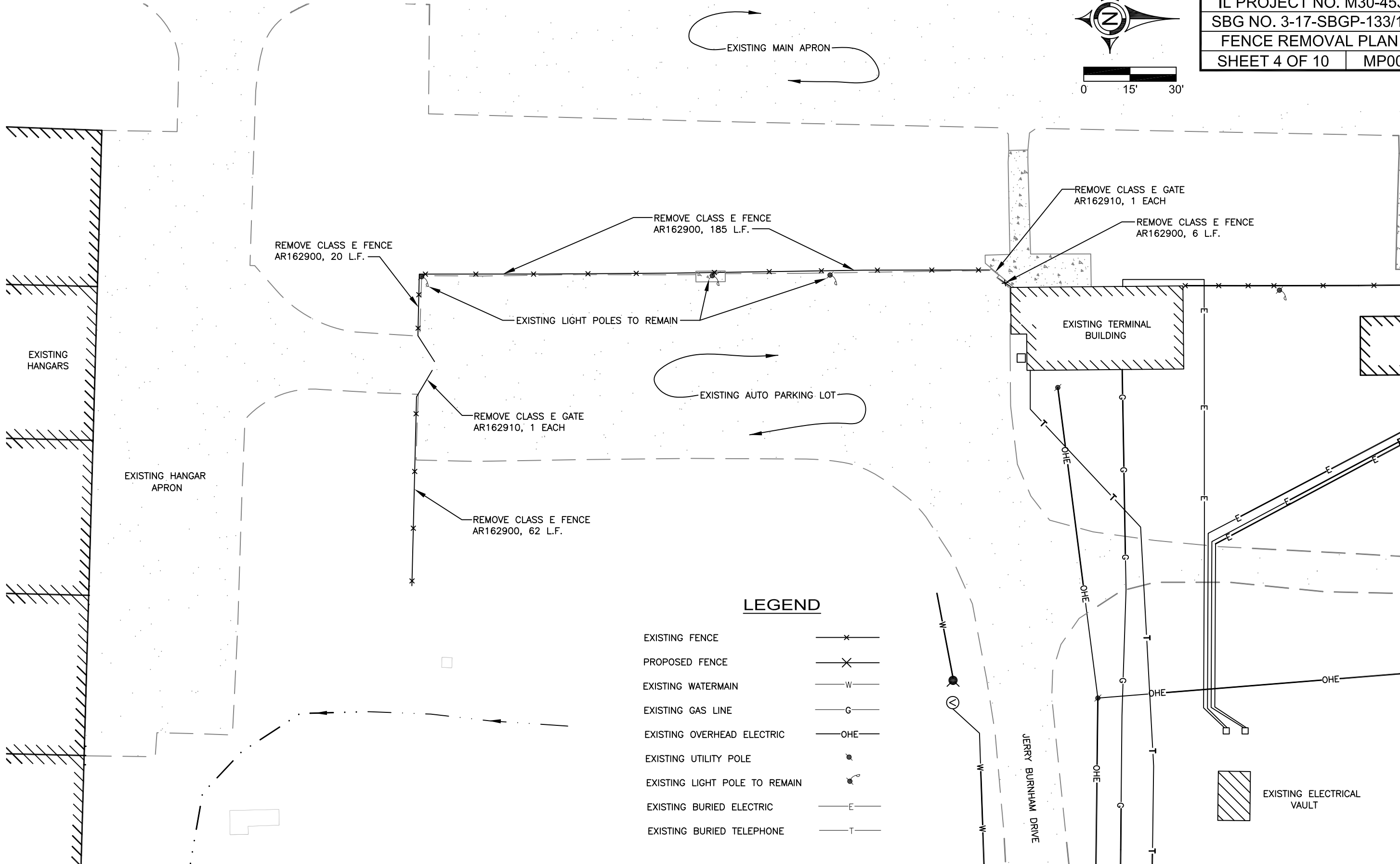
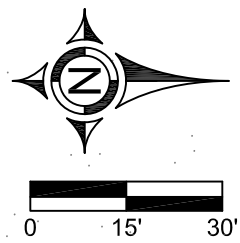
THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT IS 12 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A CONCRETE MIXER TRUCK.

AIRPORT SECURITY

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE PROPOSED HAUL ROUTE SHOWN ON THIS SAFETY PLAN IS THE ONLY ACCESS CONTRACTOR EQUIPMENT AND PERSONNEL WILL BE ALLOWED TO USE. THE CONTRACTOR SHALL PROVIDE BARRICADES AT THIS ACCESS AND ENSURE THE BARRICADES ARE IN PLACE AT THE END OF EACH WORKING DAY.

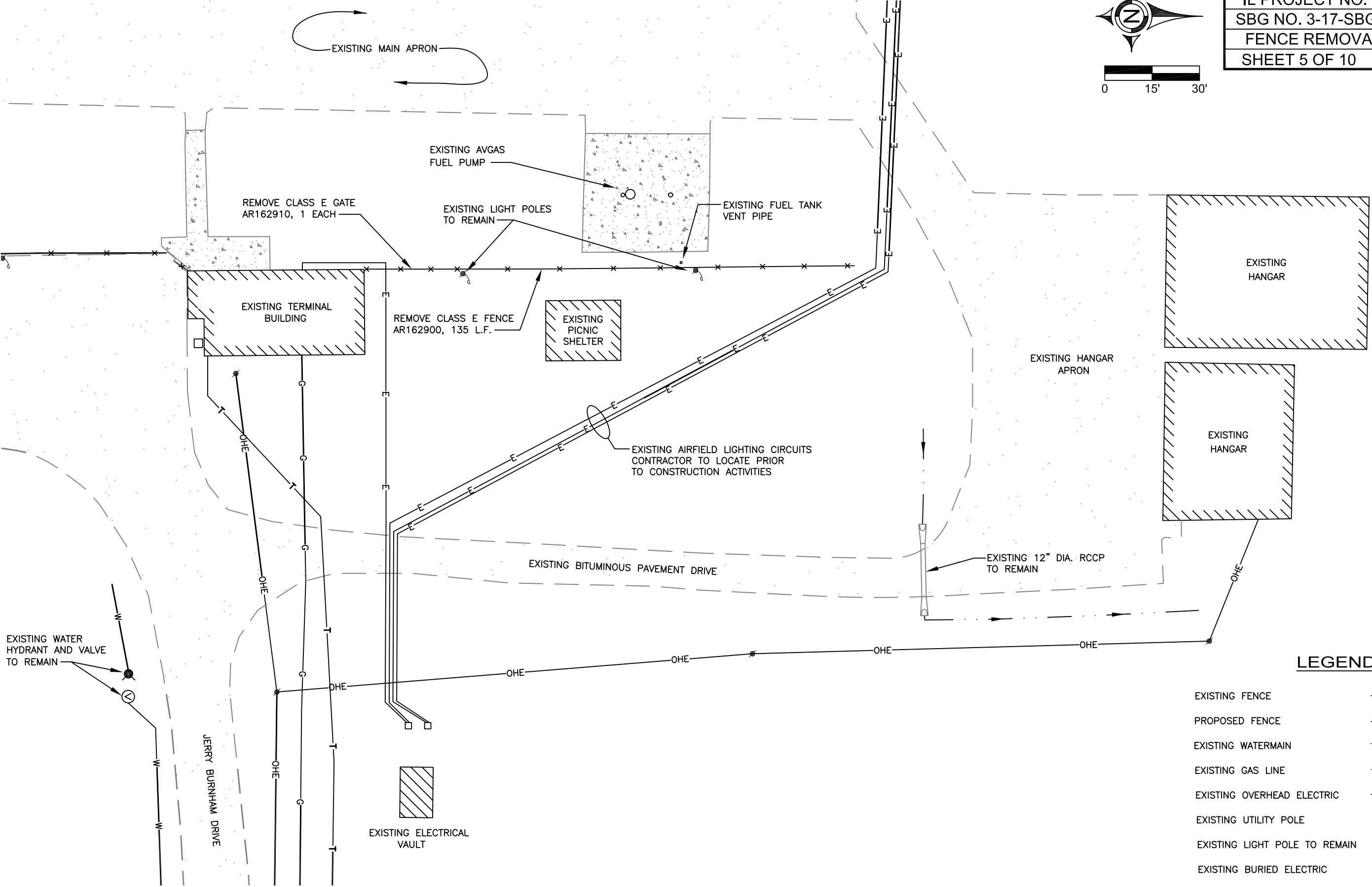
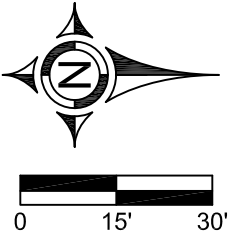
METROPOLIS MUNICIPAL AIRPORT	
IL PROJECT NO. M30-4534	
SBG NO. 3-17-SBGP-133/139	
CONSTRUCTION SAFETY & PHASING PLAN	
SHEET 3 OF 10	MP009





**LEGEND**

- |                               |         |
|-------------------------------|---------|
| EXISTING FENCE                | — x —   |
| PROPOSED FENCE                | — X —   |
| EXISTING WATERMAIN            | — W —   |
| EXISTING GAS LINE             | — G —   |
| EXISTING OVERHEAD ELECTRIC    | — OHE — |
| EXISTING UTILITY POLE         | ●       |
| EXISTING LIGHT POLE TO REMAIN | ●       |
| EXISTING BURIED ELECTRIC      | — E —   |
| EXISTING BURIED TELEPHONE     | — T —   |

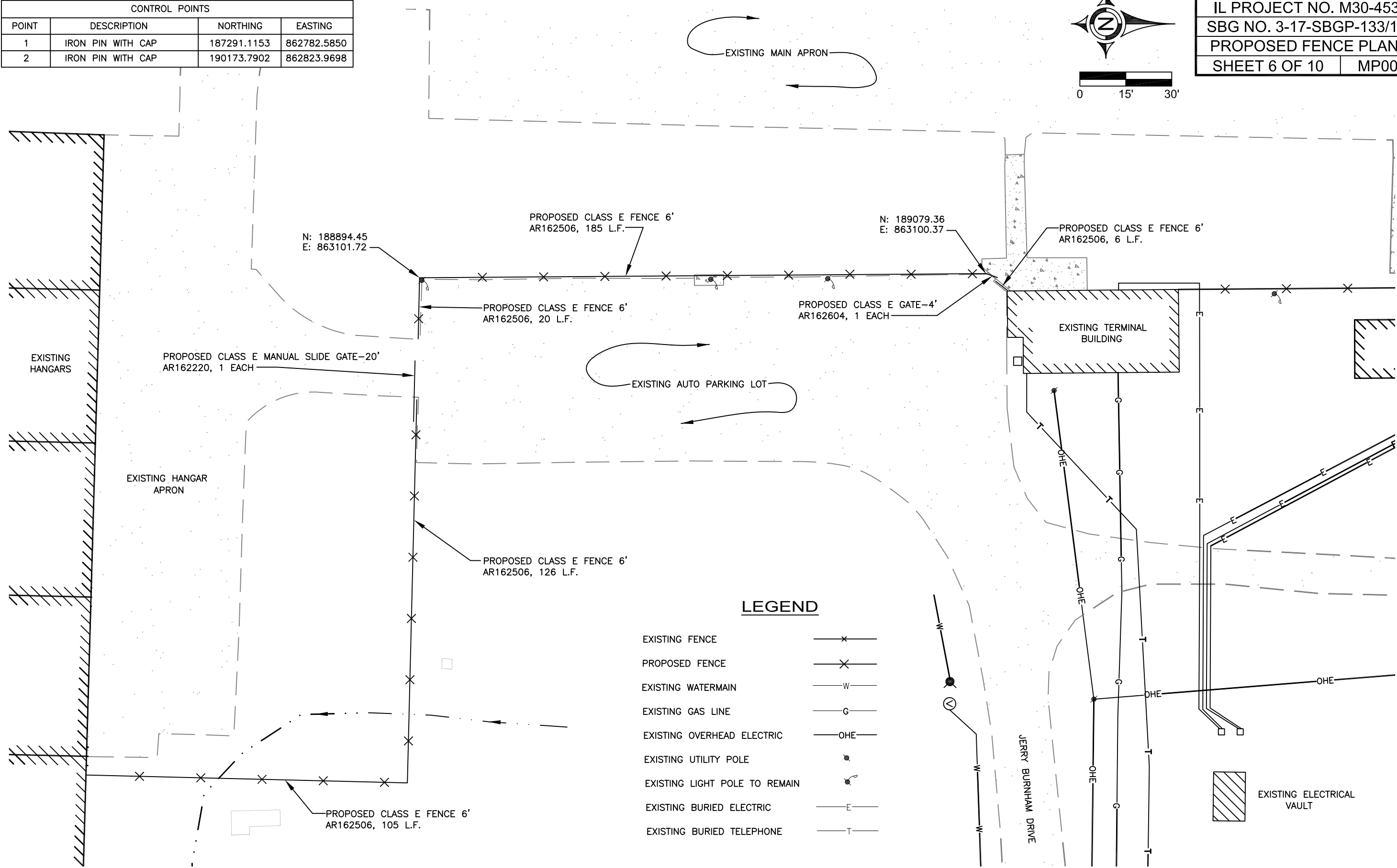
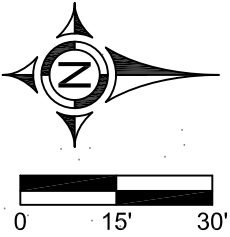


LEGEND

EXISTING FENCE	—x—
PROPOSED FENCE	—X—
EXISTING WATERMAIN	—W—
EXISTING GAS LINE	—G—
EXISTING OVERHEAD ELECTRIC	—OHE—
EXISTING UTILITY POLE	•
EXISTING LIGHT POLE TO REMAIN	•
EXISTING BURIED ELECTRIC	—E—
EXISTING BURIED TELEPHONE	—T—

CONTROL POINTS			
POINT	DESCRIPTION	NORTHING	EASTING
1	IRON PIN WITH CAP	187291.1153	862782.5850
2	IRON PIN WITH CAP	190173.7902	862823.9698

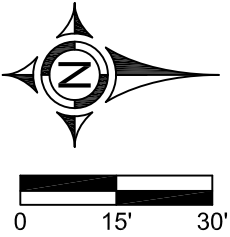
METROPOLIS MUNICIPAL AIRPORT	
IL PROJECT NO. M30-4534	
SBG NO. 3-17-SBGP-133/139	
PROPOSED FENCE PLAN 1	
SHEET 6 OF 10	MP009



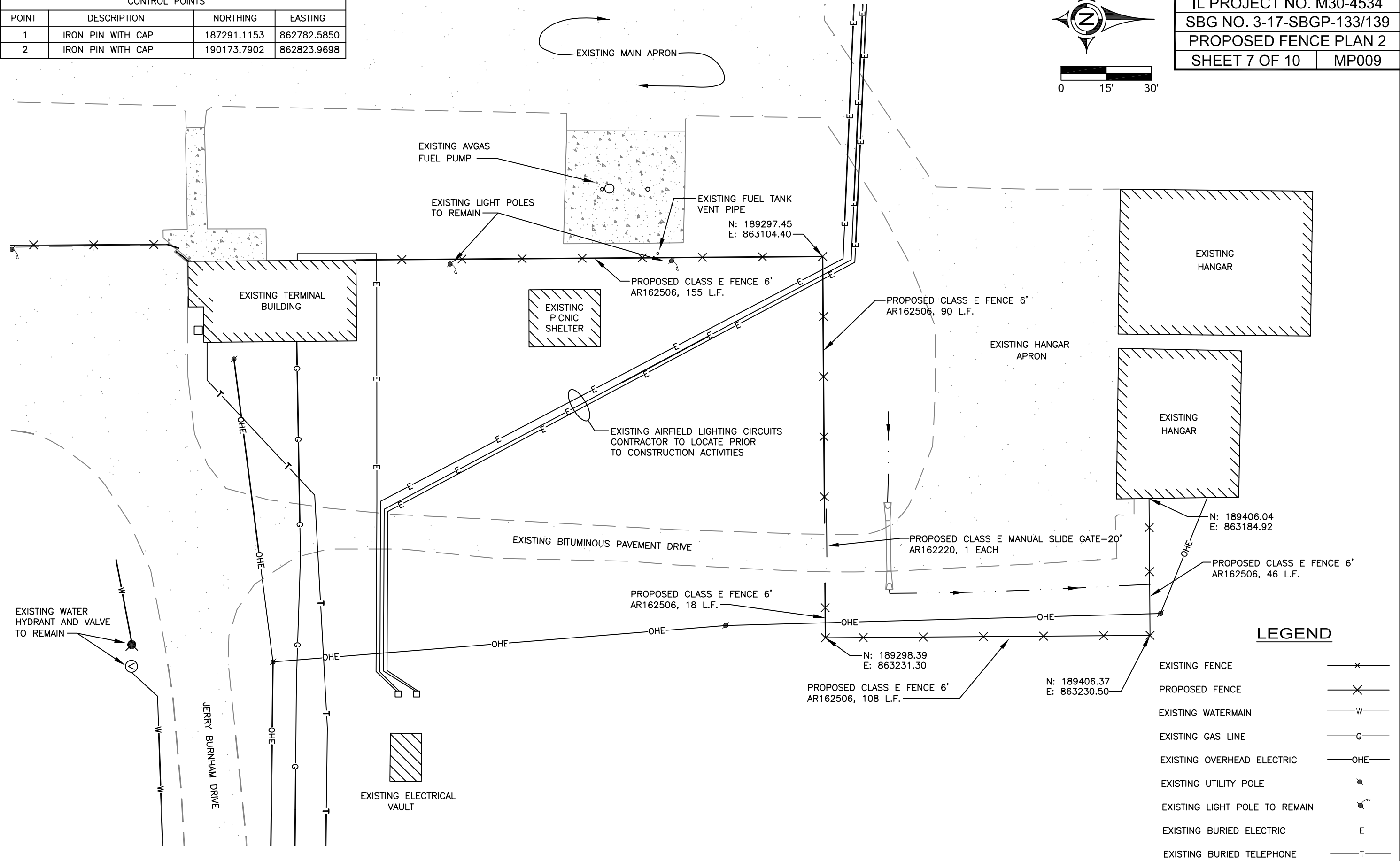
LEGEND

EXISTING FENCE	— X —
PROPOSED FENCE	— X —
EXISTING WATERMAIN	— W —
EXISTING GAS LINE	— G —
EXISTING OVERHEAD ELECTRIC	— OHE —
EXISTING UTILITY POLE	●
EXISTING LIGHT POLE TO REMAIN	●
EXISTING BURIED ELECTRIC	— E —
EXISTING BURIED TELEPHONE	— T —

CONTROL POINTS			
POINT	DESCRIPTION	NORTHING	EASTING
1	IRON PIN WITH CAP	187291.1153	862782.5850
2	IRON PIN WITH CAP	190173.7902	862823.9698



METROPOLIS MUNICIPAL AIRPORT	
IL PROJECT NO. M30-4534	
SBG NO. 3-17-SBGP-133/139	
PROPOSED FENCE PLAN 2	
SHEET 7 OF 10	MP009

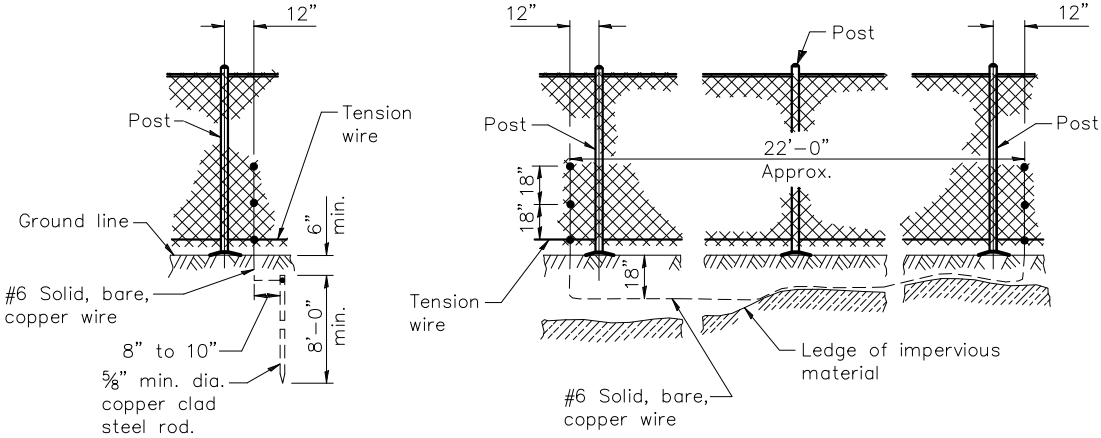


LEGEND

EXISTING FENCE	—x—
PROPOSED FENCE	—X—
EXISTING WATERMAIN	—W—
EXISTING GAS LINE	—G—
EXISTING OVERHEAD ELECTRIC	—OHE—
EXISTING UTILITY POLE	●
EXISTING LIGHT POLE TO REMAIN	⊙
EXISTING BURIED ELECTRIC	—E—
EXISTING BURIED TELEPHONE	—T—



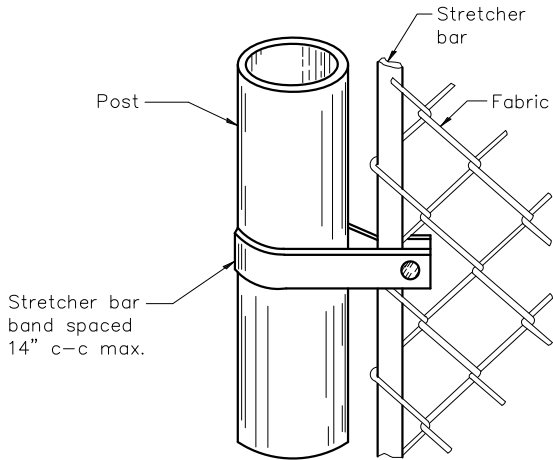




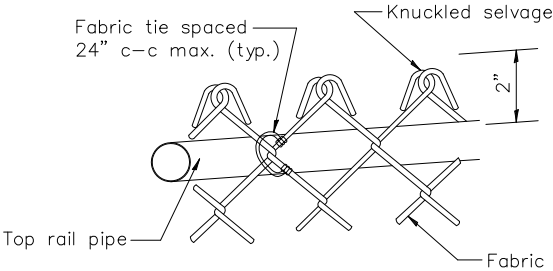
STANDARD GROUND

COUNTERPOISE GROUND  
(ALTERNATE)

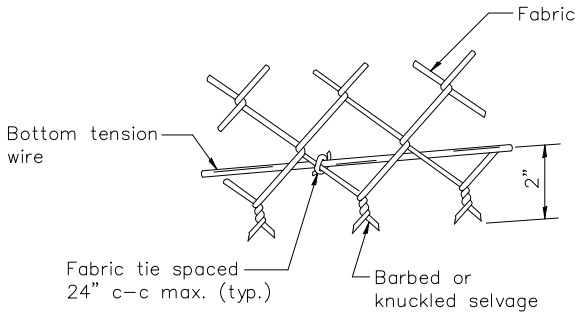
PROTECTIVE ELECTRICAL GROUNDS



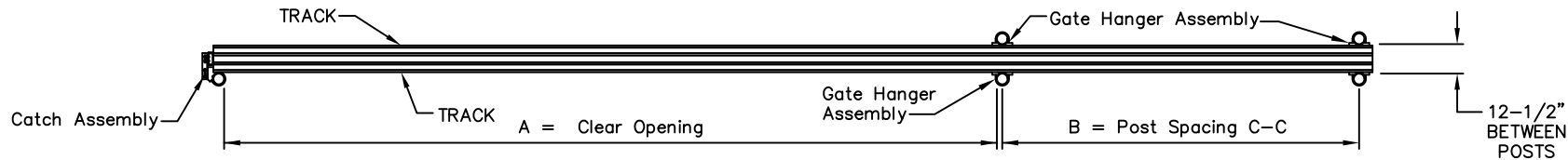
METHOD OF FASTENING  
STRETCHER BAR TO POST



METHOD OF TYING  
FABRIC TO PIPE

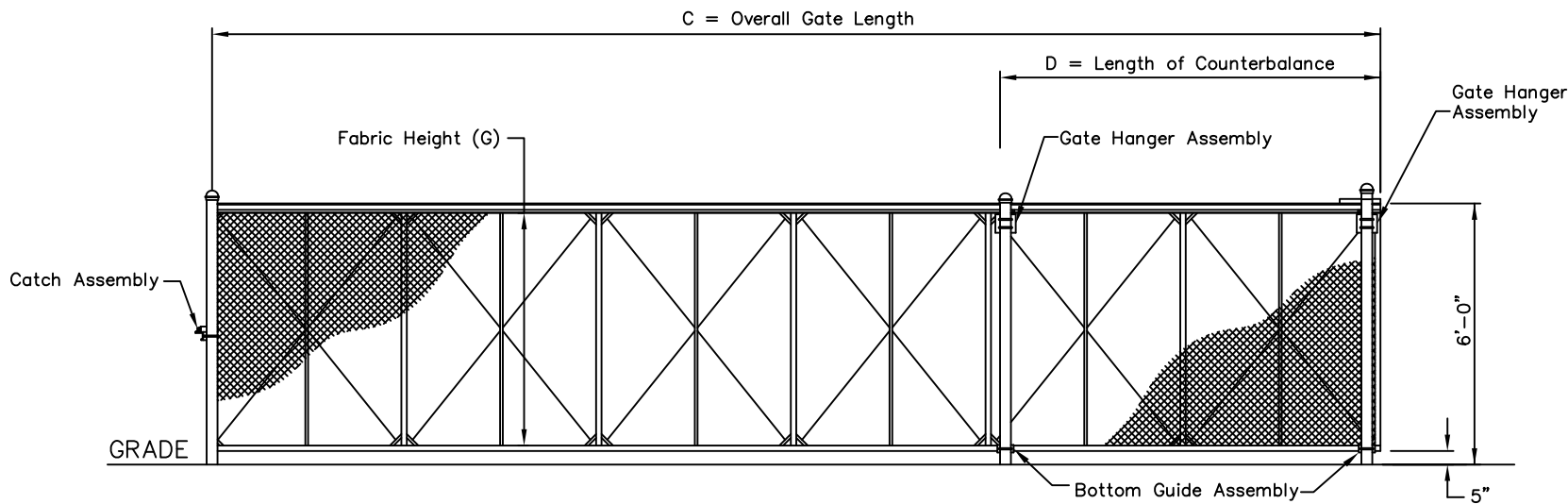


METHOD OF TYING  
FABRIC TO TENSION WIRES



GATE PLAN VIEW

No Scale



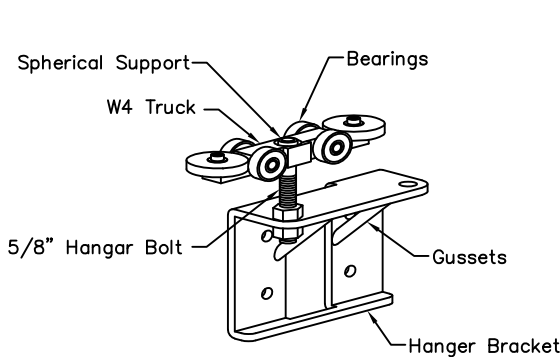
GATE ELEVATION

No Scale

SLIDE GATE NOTES:

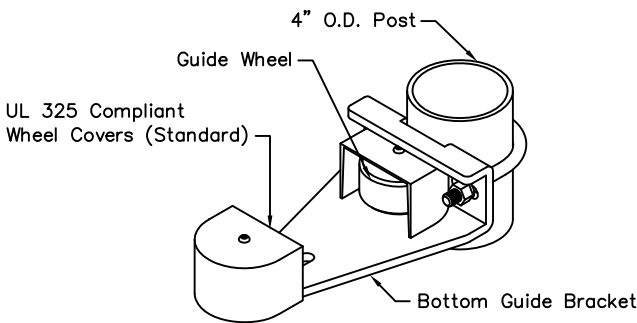
1. THE GATE FABRIC TYPE AND FINISH SHALL MATCH THAT OF THE OF THE PROPOSED ADJACENT FENCING.
2. THE CONTRACTOR SHALL FURNISH AND INSTALL GATE AS A COMPLETE WORKING UNIT. ALL MATERIAL, HARDWARE, LABOR AND EQUIPMENT NECESSARY TO CONSTRUCT GATE AS DETAILED SHALL BE CONSIDERED INCLUDED WITH THE CLASS E MANUAL SLIDE GATE – 16’ PAY ITEM AND THE CLASS E MANUAL SLIDE GATE – 20’ PAY ITEM.
3. THE CANTILEVERED GATE SHALL BE SUFFICIENTLY RIGID TO WITHSTAND BENDING OR FLEXING DURING WINDY CONDITIONS. THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL STIFFENERS, POSTS OR ROLLERS TO PREVENT DISPLACEMENT OF THE GATE BY WIND FORCES.

CANTILEVER SLIDE GATE CRITICAL DIMENSION CHART			
DIMENSION	DESCRIPTION	16’ GATE	20’ GATE
A	CLEAR OPENING	16’-0”	20’-0”
B	COUNTERBALANCE POST SPACING C-C	7’-1”	9’-1”
C	OVERALL GATE LENGTH	24’-0”	30’-0”
D	COUNTERBALANCE LENGTH	8’-0”	10’-0”
E	NOMINAL GATE HEIGHT	6’-0”	6’-0”
F	POST HEIGHT	7’-6”	7’-6”
G	FABRIC HEIGHT	5’-0”	5’-0”



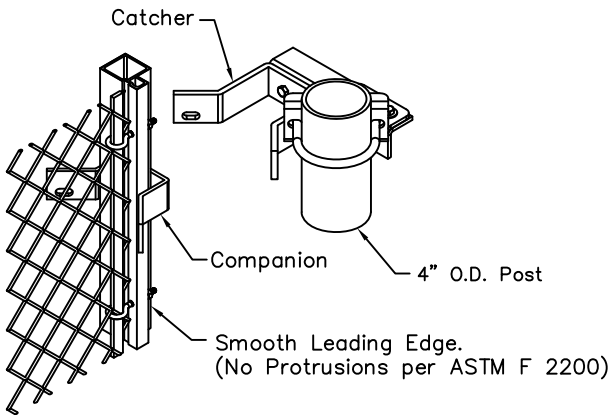
GATE HANGER ASSEMBLY

No Scale



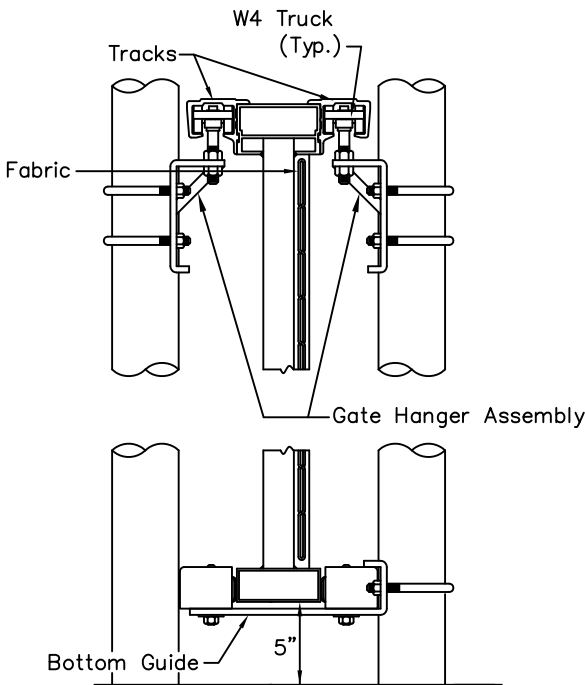
BOTTOM GUIDE

No Scale



CATCH ASSEMBLY

No Scale



GATE SECTION

No Scale