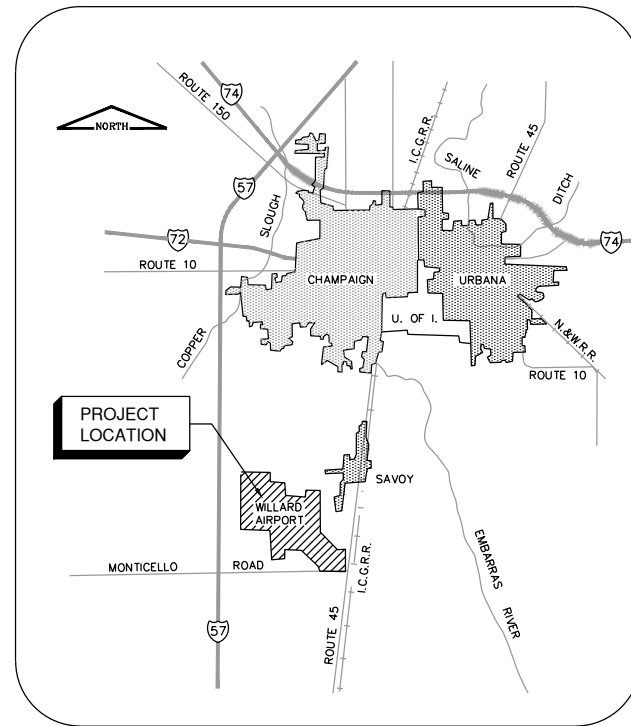
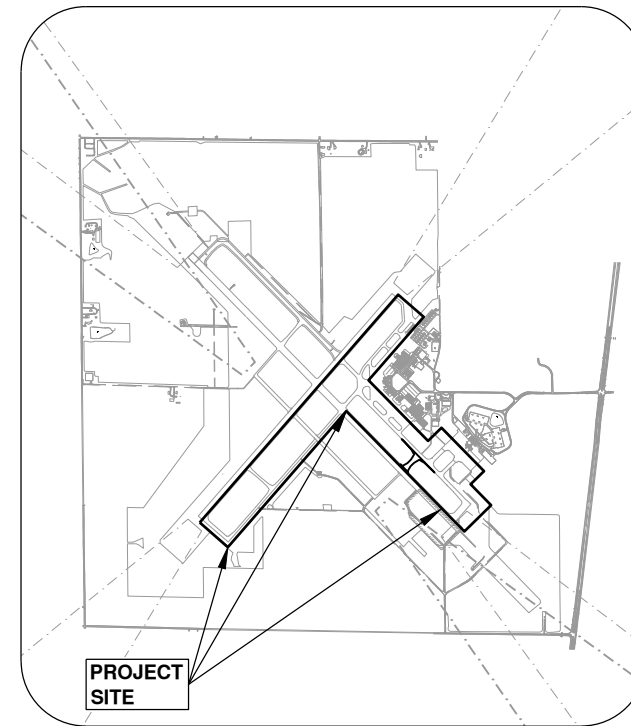


CONSTRUCTION PLANS FOR  
**WILLARD AIRPORT**  
 UNIVERSITY OF ILLINOIS  
 SAVOY, ILLINOIS  
 IL. PROJ. NO. CMI-4693  
 AIP PROJ. NO. 3-17-0016-TBD  
**INSTALL TAXIWAY LIGHTING & SIGNAGE**

JUNE 5, 2019



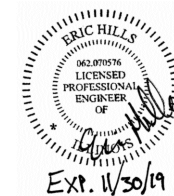
LOCATION MAP



SITE PLAN

GROUND CONTROL RADIO FREQUENCY - 121.8  
 ATIS FREQUENCY - 124.85  
 APPROXIMATE MAXIMUM HEIGHT OF EQUIPMENT  
 ABOVE GROUND IS 25 FT.

UNIVERSITY OF ILLINOIS  
 WILLARD AIRPORT  
 APPROVED *[Signature]*  
 DATE 6/5/2019



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SUBMITTED BY *Eric Hills*  
 DATE JUNE 5, 2019

CMT JOB NUMBER: 180059-02-00

CALL J.U.I.E.  
 BEFORE EXCAVATING  
 1-800-892-0123  
 UNIVERSITY OF ILLINOIS - WILLARD AIRPORT  
 TOWNSHIP: T 18 N  
 RANGE: R 8 E  
 COUNTY: CHAMPAIGN  
 SECTION 2, 3, 10 AND 11

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 UPDATE BY: Chris Groh  
 PLOT DATE: 7/8/2019 4:48 PM

**AIRPORT LAYOUT LEGEND**

- RSA —— RSA (RUNWAY SAFETY AREA)
- TSA —— TSA (TAXIWAY SAFETY AREA)
- ROFA —— ROFA (RUNWAY OBJECT FREE AREA)
- TOFA —— TOFA (TAXIWAY OBJECT FREE AREA)
- - - - - RPZ (RUNWAY PROTECTION ZONE)
- ////// ILS CRITICAL AREA

**EXISTING CONDITIONS LEGEND**

- - - - - EXIST. RUNWAY 4/22 LIGHTING CIRCUIT
- - - - - EXIST. RUNWAY 14L/32R LIGHTING CIRCUIT
- - - - - EXIST. RUNWAY 14R/32L LIGHTING CIRCUIT
- - - - - EXIST. TAXIWAY MID/CENTER CIRCUIT
- - - - - EXIST. TAXIWAY B LIGHTING CIRCUIT
- - - - - EXIST. TAXIWAY D LIGHTING CIRCUIT
- - - - - EXIST. TAXIWAY 4-5 LIGHTING CIRCUIT
- VASI — EXIST. VASI CIRCUIT
- PAPI — EXIST. PAPI CIRCUIT
- REIL — EXIST. REIL CIRCUIT
- RGL — EXIST. RGL CIRCUIT
- ===== EXIST. ELECTRICAL DUCT
- X EXIST. FENCE
- UGE — EXIST. UNDERGROUND ELECTRIC
- FO — EXIST. FIBER OPTIC LINE
- FAA — EXIST. FAA POWER / CONTROL CABLE
- WIND — EXIST. WINDCONE CIRCUIT
- RLIM — EXIST. RWY LIGHT INTENSITY CABLE
- - - - - EXIST. CIRCUIT DUCT
- W — EXIST. WATER LINE
- ST — EXIST. STORM SEWER LINE
- UD — EXIST. UNDERDRAIN
- SS — EXIST. SANITARY SEWER
- G — EXIST. GAS LINE
- [H] EXIST. HANDHOLE PLAZA
- [H] EXIST. HANDHOLE
- [D] EXIST. RUNWAY THRESHHOLD BASE-MOUNTED LIGHT
- [ ] EXIST. RUNWAY BASE-MOUNTED EDGE LIGHT
- [ ] EXIST. RUNWAY STAKE-MOUNTED EDGE LIGHT
- [ ] EXIST. TAXIWAY BASE-MOUNTED EDGE LIGHT
- [ ] EXIST. TAXIWAY STAKE-MOUNTED EDGE LIGHT
- [ ] EXIST. RUNWAY GUARD LIGHTS (RGL)
- [ ] EXIST. AIRFIELD SIGN (TYPE VARIES)
- [ ] EXIST. SPLICE CAN
- [ ] EXIST. NAVAID VASI LIGHTS
- [ ] EXIST. NAVAID WINDCONE
- [SB] EXIST. MANHOLE (TELECOMMUNICATIONS)
- [E] EXIST. MANHOLE (ELECTRICAL)
- [T] EXIST. TELEPHONE SPLICE BOX
- [ ] EXIST. OVERHEAD LIGHT
- [WV] EXIST. WATER VALVE
- [ ] EXIST. FIRE HYDRANT
- [CB] EXIST. UNDERDRAIN CLEANOUT
- [D] EXIST. STORM SEWER MANHOLE
- [CB] EXIST. STORM SEWER INLET
- [S] EXIST. STOP SIGN & "DO NOT PROCEED" SIGN

**PROPOSED IMPROVEMENTS LEGEND**

- - - - - NEW RUNWAY 14L/32R LIGHTING CIRCUIT
- - - - - NEW RUNWAY 4/22 LIGHTING CIRCUIT
- - - - - NEW RUNWAY 14R/32L LIGHTING CIRCUIT
- - - - - NEW CENTER CIRCUIT - #8 5KV UG CABLE IN UNIT DUCT
- - - - - NEW TAXIWAY B LIGHTING CIRCUIT - #8 5KV UG CABLE IN UNIT DUCT
- - - - - NEW TAXIWAY D LIGHTING CIRCUIT - #8 5KV UG CABLE IN UNIT DUCT
- - - - - NEW TAXIWAY A LIGHTING CIRCUIT - #8 5KV UG CABLE IN UNIT DUCT
- - - - - NEW COUNTERPOISE - 1/C #6
- //— TWO CONDUCTORS IN UNIT DUCT OR EXISTING DUCT
- /— SINGLE CONDUCTOR IN UNIT DUCT OR EXISTING DUCT
- [ ] NEW SPLICE CAN
- [ ] NEW TAXIWAY GUIDANCE SIGN\*
- [ ] NEW TAXIWAY EDGE LIGHT - STAKE MOUNTED
- [ ] NEW TAXIWAY EDGE LIGHT - BASE MOUNTED
- [LED] REMOVE & REPLACE XFMR & FIXTURE
- [ ] NEW ROADWAY SIGN (UNLIGHTED, NO ENTRY) - AR910200
- [ ] NEW TAXI GUIDANCE SIGN, UNLIT - AR125462
- [ ] NEW ELEVATED RETRO-REFLECTIVE MARKER

**NOTES:**  
 \* ALL GUIDANCE SIGNS ON NEW CIRCUITS ARE SHOWN IN THE PROPOSED "SIGN & CABLE PLANS." NOT ALL OF THESE SIGNS ARE TO BE REMOVED AND REPLACED. REFER TO THE SIGN SCHEDULE ON SHEET EL505 FOR NEW SIGN INSTALLATIONS.

BASE BID SUMMARY OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
AR150520	MOBILIZATION	LS	1
AR401921	REMOVE PAVEMENT	SY	6
AR610510	STRUCTURAL PC CONCRETE	CY	5
AR901515	SEEDING	SY	1,890
AR908516	MULCHING	SY	1,890
AR108108	1/C #8 5KV UG CABLE	LF	952
AR108208	2/C #8 5KV UG CABLE	LF	553
AR108158	1/C #8 5KV UG CABLE IN UD	LF	17,102
AR108258	2/C #8 5KV UG CABLE IN UD	LF	4,486
AR108706	1/C #6 COUNTERPOISE	LF	18,384
AR125100	ELEVATED RETROREFLECTIVE MARKER	EA	17
AR125400	REPLACE ISOLATION TRANSFORMER	EA	50
AR125401	REPLACE LIGHT FIXTURE	EA	50
AR125416	MITL - BASE MOUNTED - LED	EA	272
AR125442	TAXI GUIDANCE SIGN, 2 CHARACTER	EA	8
AR125443	TAXI GUIDANCE SIGN, 3 CHARACTER	EA	1
AR125444	TAXI GUIDANCE SIGN, 4 CHARACTER	EA	12
AR125445	TAXI GUIDANCE SIGN, 5 CHARACTER	EA	6
AR125448	TAXI GUIDANCE SIGN, 8 CHARACTER	EA	4
AR125462	TAXI GUIDANCE SIGN, UNLIT	EA	3
AR125565	SPLICE CAN	EA	3
AR125913	REMOVE EDGE LIGHT	EA	292
AR125904	REMOVE TAXI GUIDANCE SIGN	EA	31
AR910200	ROADWAY SIGN	EA	3

ADDITIVE ALTERNATE #1 SUMMARY OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
AS150520	MOBILIZATION	LS	1
AS901515	SEEDING	SY	323
AS908516	MULCHING	SY	323
AS108108	1/C #8 5KV UG CABLE	LF	266
AS108158	1/C #8 5KV UG CABLE IN UD	LF	3,056
AS108258	2/C #8 5KV UG CABLE IN UD	LF	522
AS108706	1/C #6 COUNTERPOISE	LF	3,623
AS125416	MITL - BASE MOUNTED - LED	EA	72
AS125442	TAXI GUIDANCE SIGN, 2 CHARACTER	EA	1
AS125444	TAXI GUIDANCE SIGN, 4 CHARACTER	EA	5
AS125445	TAXI GUIDANCE SIGN, 5 CHARACTER	EA	2
AS125913	REMOVE EDGE LIGHT	EA	68
AS125904	REMOVE TAXI GUIDANCE SIGN	EA	8

SHEET LIST TABLE		
Sheet No.	Sheet Index	Sheet Title
1	GI000	COVER SHEET
2	GI101	SUMMARY OF QUANTITIES & SHEET INDEX
3	GI102	AIRPORT SITE PLAN
4	GC001	CONSTRUCTION SAFETY & PHASING NOTES
5	GC501	CONSTRUCTION SAFETY PHASING DETAILS
6	GC101	CONSTRUCTION ACTIVITY PLAN 1
7	GC102	CONSTRUCTION ACTIVITY PLAN 2
8	GC103	CONSTRUCTION ACTIVITY PLAN 3
9	GC104	CONSTRUCTION ACTIVITY PLAN 4
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11	GC106	CONSTRUCTION ACTIVITY PLAN 6
12	GC107	CONSTRUCTION ACTIVITY PLAN 7
13	GC108	CONSTRUCTION ACTIVITY PLAN 8
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15	GC110	CONSTRUCTION ACTIVITY PLAN 10 - ADD. ALT. 1
16	CD101	EXISTING CONDITIONS & REMOVALS 1
17	CD102	EXISTING CONDITIONS & REMOVALS 2
18	CD103	EXISTING CONDITIONS & REMOVALS 3
19	CD104	EXISTING CONDITIONS & REMOVALS 4
20	CD105	EXISTING CONDITIONS & REMOVALS 5
21	CD106	EXISTING HOMERUN & HANDHOLE PLAZA
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31	EL108	PROPOSED LIGHT PLAN H
32	EL109	PROPOSED LIGHT PLAN I - ADD. ALT. 1
33	EL110	PROPOSED SIGN & CABLE PLAN A
34	EL111	PROPOSED SIGN & CABLE PLAN B
35	EL112	PROPOSED SIGN & CABLE PLAN C
36	EL113	PROPOSED SIGN & CABLE PLAN D
37	EL114	PROPOSED SIGN & CABLE PLAN E
38	EL115	PROPOSED SIGN & CABLE PLAN F
39	EL116	PROPOSED SIGN & CABLE PLAN G
40	EL117	PROPOSED SIGN & CABLE PLAN H
41	EL118	PROPOSED SIGN & CABLE PLAN I - ADD. ALT. 1
42	EL501	ELECTRICAL DETAILS 1
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44	EL503	ELECTRICAL DETAILS 3
45	EL504	ELECTRICAL DETAILS 4
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47	EL506	ROADWAY SIGN DETAILS



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JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER



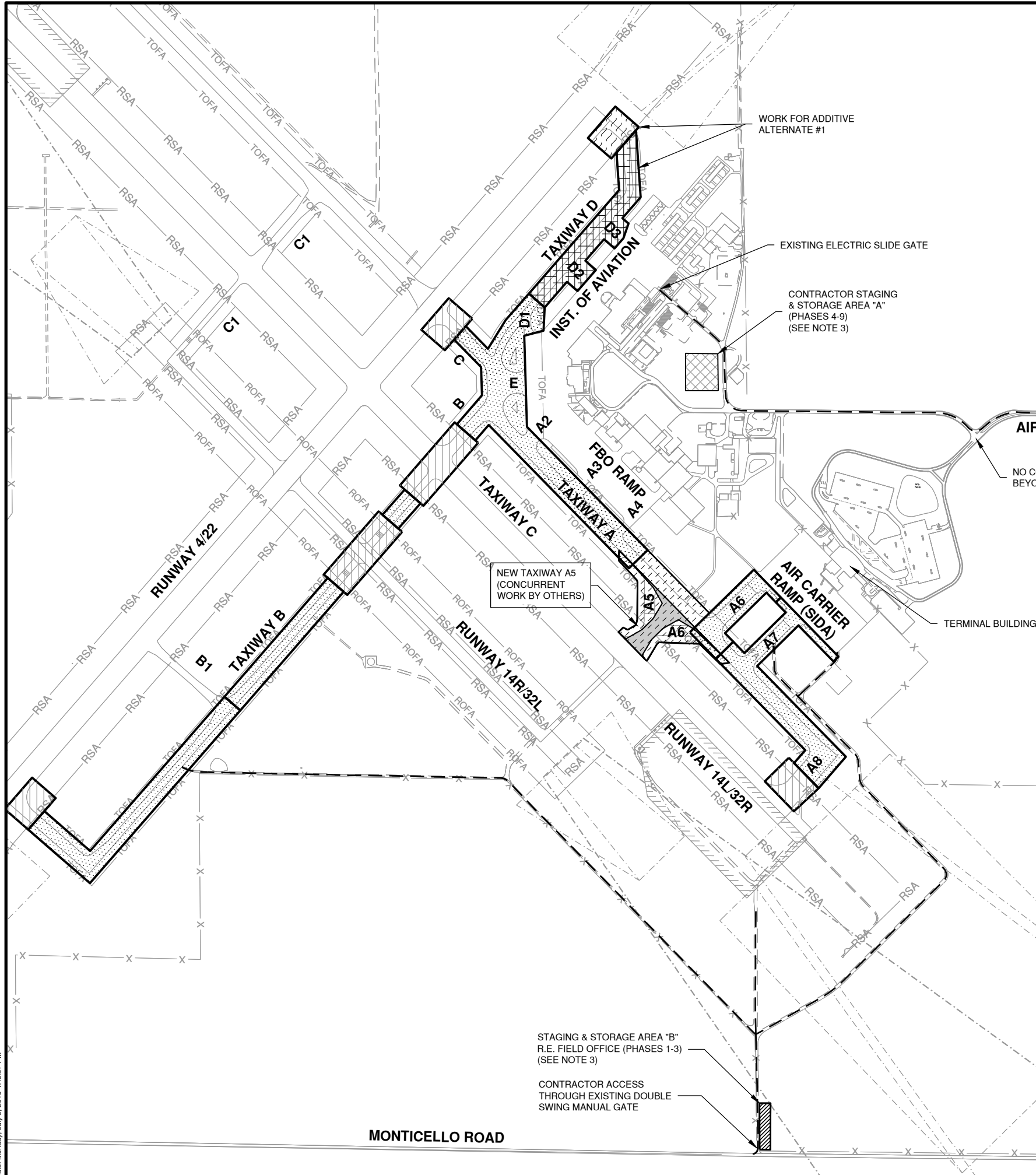
UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

**SUMMARY OF QUANTITIES & SHEET INDEX**

SHEET 2 OF 47

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**GENERAL NOTES**

1. SEE CONSTRUCTION ACTIVITY PLANS FOR CONTRACTOR ACCESS BY PHASE.
2. NEW TAXIWAY A5 MAY BE UNDER CONSTRUCTION BY OTHERS DURING THIS WORK. ACCESS TO THE SITE SHALL BE COORDINATED BETWEEN THE TWO CONTRACTORS.
3. THE CONTRACTOR CONSTRUCTING THE NEW TAXIWAY A5 PAVEMENT SHALL HAVE THE RIGHT OF FIRST REFUSAL TO USE STAGING & STORAGE AREA "B" FOR THE DURATION OF THE PROJECT. IF STAGING AREA "B" IS UNAVAILABLE FOR THIS PROJECT, THE AWARDEE OF THIS CONTRACT SHALL USE STAGING AREA "A" UNTIL "B" IS VACATED BY THE OTHER CONTRACTOR.

**LEGEND**

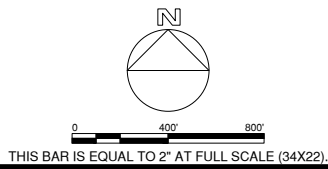
- PROJECT LIMITS
- - - EXISTING AIRPORT ACCESS ROAD
- X - EXISTING FENCE
- - - RUNWAY APPROACH SURFACE
- [Hatched Box] PROPOSED CONSTRUCTION ACTIVITY
- [Diagonal Hatched Box] PROPOSED TAXIWAY A5 (BY OTHERS)
- [Dotted Box] WORK LIMITS
- [Vertical Hatched Box] WORK LIMITS W/ RUNWAY CLOSURE(S)
- [Cross-hatched Box] ADDITIVE ALTERNATE 1 WORK LIMITS
- [Wavy Hatched Box] ADDITIVE ALTERNATE 1 RUNWAY CLOSURE

**CONTRACTOR'S ACCESS NOTES**

1. CONTRACTOR'S ACCESS SHALL BE AS FOLLOWS:
  - A. THE CONTRACTOR'S ACCESS TO THE WORK SHALL BE AS SHOWN ON THE SITE PLAN AND CONSTRUCTION ACTIVITY PLANS.
  - B. DURING ADVERSE WEATHER, THE CONTRACTOR SHALL MAKE PROVISIONS FOR ACCESS TO THE WORK SITE AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK.
  - C. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A HEAVY-DUTY PADLOCK ON THE ACCESS GATE. HE SHALL PROVIDE KEYS FOR THIS PADLOCK TO THE RESIDENT ENGINEER, AIRPORT SECURITY, AND MAINTENANCE SUPERVISOR. NO ADDITIONAL KEYS ARE TO BE DISTRIBUTED UNLESS AUTHORIZED BY THE AIRPORT MANAGER.
  - D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL CONSTRUCTION ACCESS GATES CLOSED & SECURED AT ALL TIMES INCLUDING WORK HOURS. IF THE CONTRACTOR CHOOSES TO LEAVE THE GATE OPEN DURING HAULING OPERATIONS, HE SHALL POST A COMPETENT, FULL TIME SECURITY GUARD TO PREVENT UNAUTHORIZED ENTRIES. THE CONTRACTOR SHALL REPLACE ANY UNSATISFACTORY SECURITY GUARDS IF SO DIRECTED BY THE AIRPORT MANAGER OR ENGINEER.
  - E. THE CONTRACTOR SHALL CLOSE AND LOCK THE ACCESS GATES UPON LEAVING THE SITE.
  - F. THROUGHOUT THE DURATION OF THE CONTRACT, ANY DAMAGE TO THE ACCESS GATES OR FENCING ADJACENT TO THE PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE AIRPORT MANAGER.
  - G. ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  - H. EMPLOYEE PERSONAL VEHICLES SHALL NOT BE ALLOWED BEYOND THE CONTRACTOR'S PARKING AREA. CONTRACTOR PERSONNEL SHALL PARK IN THE CONTRACTOR'S STAGING & STORAGE CONSISTENT AREA. PERSONNEL SHALL BE TRANSPORTED TO THE WORK SITE BY COMPANY OWNED VEHICLES.
2. A LIST OF AUTHORIZED PERSONNEL PERMITTED TO USE THE GATE SHALL BE PROVIDED BY THE CONTRACTOR TO THE RESIDENT ENGINEER.
3. THE CONTRACTOR SHALL PROVIDE A SIGN AT THE ACCESS GATE SAYING "AUTHORIZED PERSONNEL & CONSTRUCTION ACCESS ONLY".
4. ALL CONTRACTOR PERSONNEL AND SECURITY GUARDS ON THE AIRFIELD WILL BE REQUIRED TO SUBMIT A TEN YEAR BACKGROUND CHECK TO AIRPORT SECURITY AND WILL BE REQUIRED TO BE TRAINED BY THE AIRPORT TO GAIN ACCESS TO THE WORK AREA. CONTRACTOR SHALL COORDINATE THE BADGING PROCESS A MINIMUM OF 30 DAYS PRIOR TO REQUESTING ACCESS TO THE FIELD.



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JUNE 5, 2019

**INSTALL TAXIWAY LIGHTING & SIGNAGE**



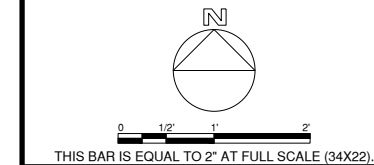
UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

**AIRPORT SITE PLAN**

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Date: Monday, July 8, 2019 4:49:07 PM





JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK | DATE | DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-GC501.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: CBG

COPYRIGHT:

SHEET TITLE

CONSTRUCTION

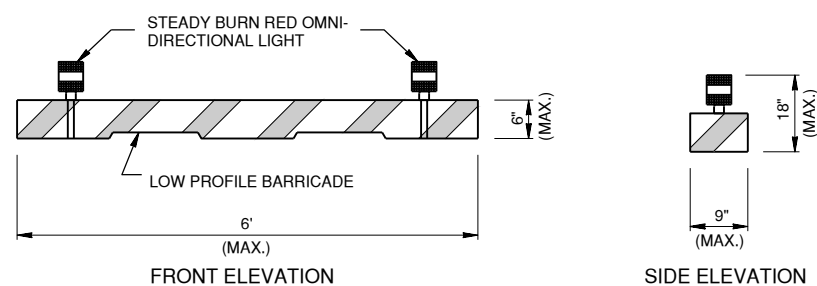
SAFETY PHASING

DETAILS

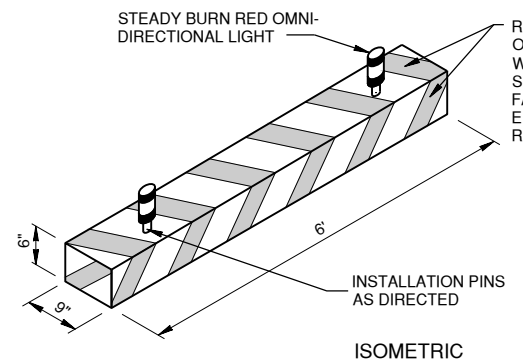
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SHEET 5

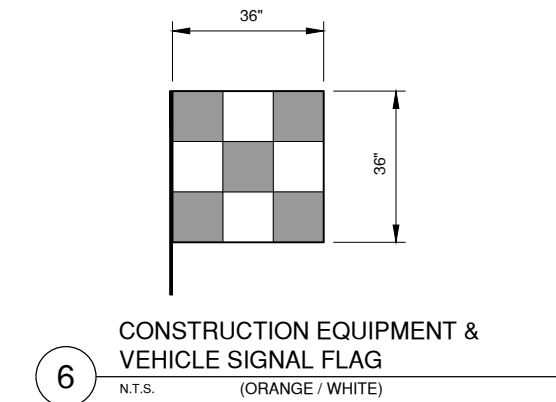
OF 47



1 LOW-PROFILE BARRICADE DETAILS  
N.T.S.

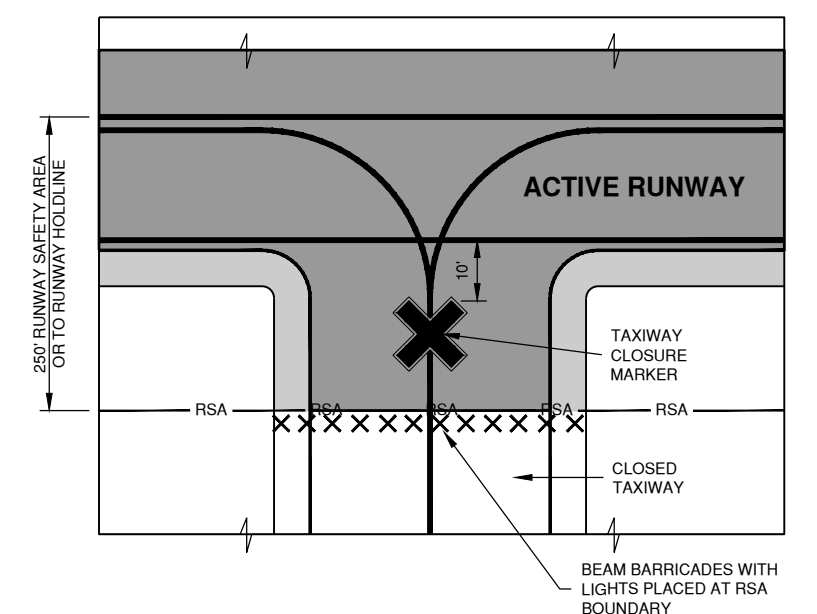


- LOW-PROFILE BARRICADE NOTES**
- BARRICADE SHALL BE WEIGHTED TO WITHSTAND DISPLACEMENT BY JET OR PROP BLAST.
  - BARRICADE SHALL BE EASILY COLLAPSIBLE UPON CONTACT WITH AIRCRAFT.
  - NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

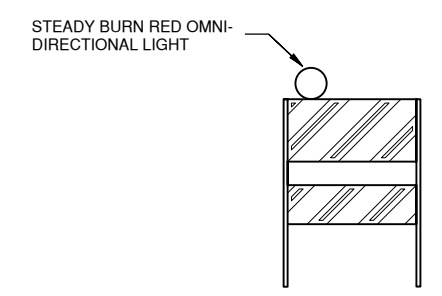


6 CONSTRUCTION EQUIPMENT & VEHICLE SIGNAL FLAG  
N.T.S. (ORANGE / WHITE)

- SIGNAL FLAG NOTES**
- CONTRACTOR VEHICLES SHALL CONTAIN COMPANY LOGO PLACARDS.
  - WHEN WORKING PRIOR TO DAWN OR AFTER DUSK, A 360 DEGREE ROTATING AMBER BEACON IS REQUIRED ON ALL EQUIPMENT AND TRUCKS.
  - CONTRACTOR SHALL REPLACE FLAGS THAT ARE WORN AND INEFFECTIVE.

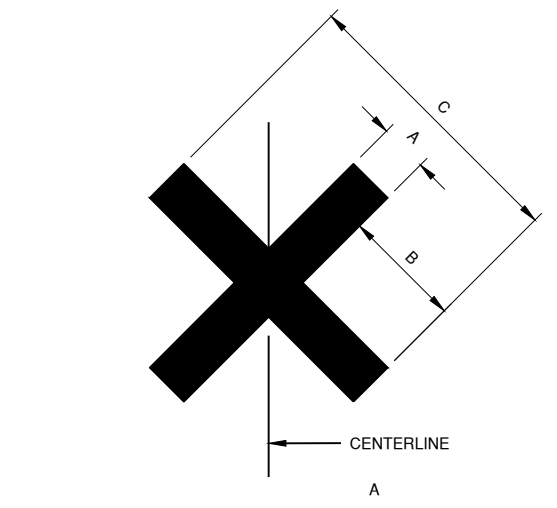


2 CLOSED TAXIWAY/ACTIVE RUNWAY BARRICADE DETAIL  
N.T.S.



4 FLASHER BARRICADE DETAIL - IDOT TYPE 1  
N.T.S.

- FLASHER BARRICADE NOTES**
- FLASHERS TO BE BATTERY OPERATED. LENS TO BE RED AND BE ABLE TO ROTATE 90 DEGREES.
  - SANDBAGS TO BE PLACED ON EACH SUPPORT BRACE AS REQUIRED TO PREVENT DISPLACEMENT BY WIND, JET OR PROP BLAST.
  - NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
  - PLACE AT 15' INTERVALS.



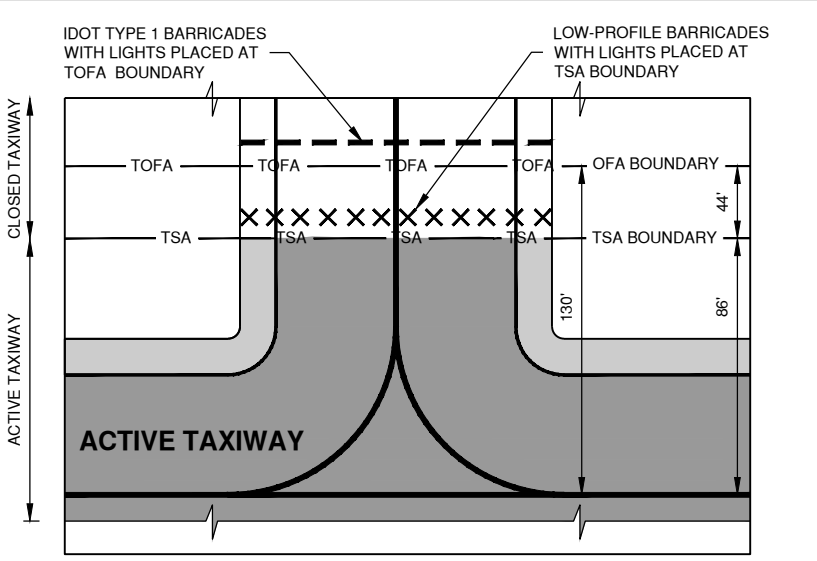
7 CLOSURE MARKER DETAIL  
N.T.S.

DIMENSION		A	B	C
SYMBOL TYPE				
CLOSED TAXIWAY		5'-0"	12'-6"	30'-0"
CLOSED RUNWAY		10'-0"	25'-0"	60'-0"

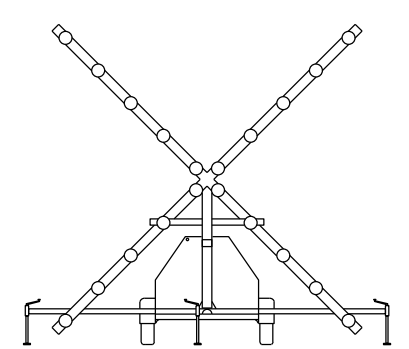
- RUNWAY CLOSURE NOTES**
- TO BE PLACED ON PAVEMENT AT THE RUNWAY NUMERALS.
  - THE CONTRACTOR SHALL PROVIDE TWO CLOSURE MARKERS AND MAINTAIN THEM (FUEL, OIL, LIGHT BULBS) WHEN USED DURING CONSTRUCTION CLOSURES.
  - THE CONTRACTOR WILL BE REQUIRED TO PROVIDE REPLACEMENT BULBS, FUEL, LUBRICANTS, AND DAILY/PERIODIC MAINTENANCE INSPECTIONS AS REQUIRED BY THE AIRPORT.
  - THE COST OF SET-UP, FUELING, BULBS, INSPECTION, AND REMOVAL OF THE MARKERS SHALL BE INCIDENTAL TO THE CONTRACT.
  - UPON COMPLETION OF THE RUNWAY CLOSURE, THE CONTRACTOR WILL BE REQUIRED TO TAKE DOWN & RETURN THE MARKERS TO THEIR STORAGE LOCATION.

- CLOSURE MARKER NOTES**
- CLOSURE MARKERS SHALL BE SOLID YELLOW.
  - MARKERS SHALL BE PLACED ON TAXIWAYS AT THE RUNWAY INTERSECTIONS INSIDE THE RUNWAY SAFETY AREA.
  - MARKERS SHALL BE PLACED ON RUNWAYS TO COVER THE NUMERALS ON BOTH ENDS.
  - MARKERS MAY BE CONSTRUCTED OF FABRIC, COLORED PLASTIC, PAINTED SHEETS OF PLYWOOD OR SIMILAR MATERIALS.
  - MARKERS SHALL BE SECURED TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS. METHODS OF SECURING THE MARKERS SHALL NOT PROTRUDE MORE THAN 3" ABOVE THE PAVEMENT STRUCTURE

GROUND CONTROL FREQUENCY 121.8 MHZ



3 CLOSED TAXIWAY/ACTIVE TAXIWAY BARRICADE DETAIL  
N.T.S.



5 LIGHTED RUNWAY CLOSURE MARKER  
N.T.S.

**PHASING SEQUENCE**

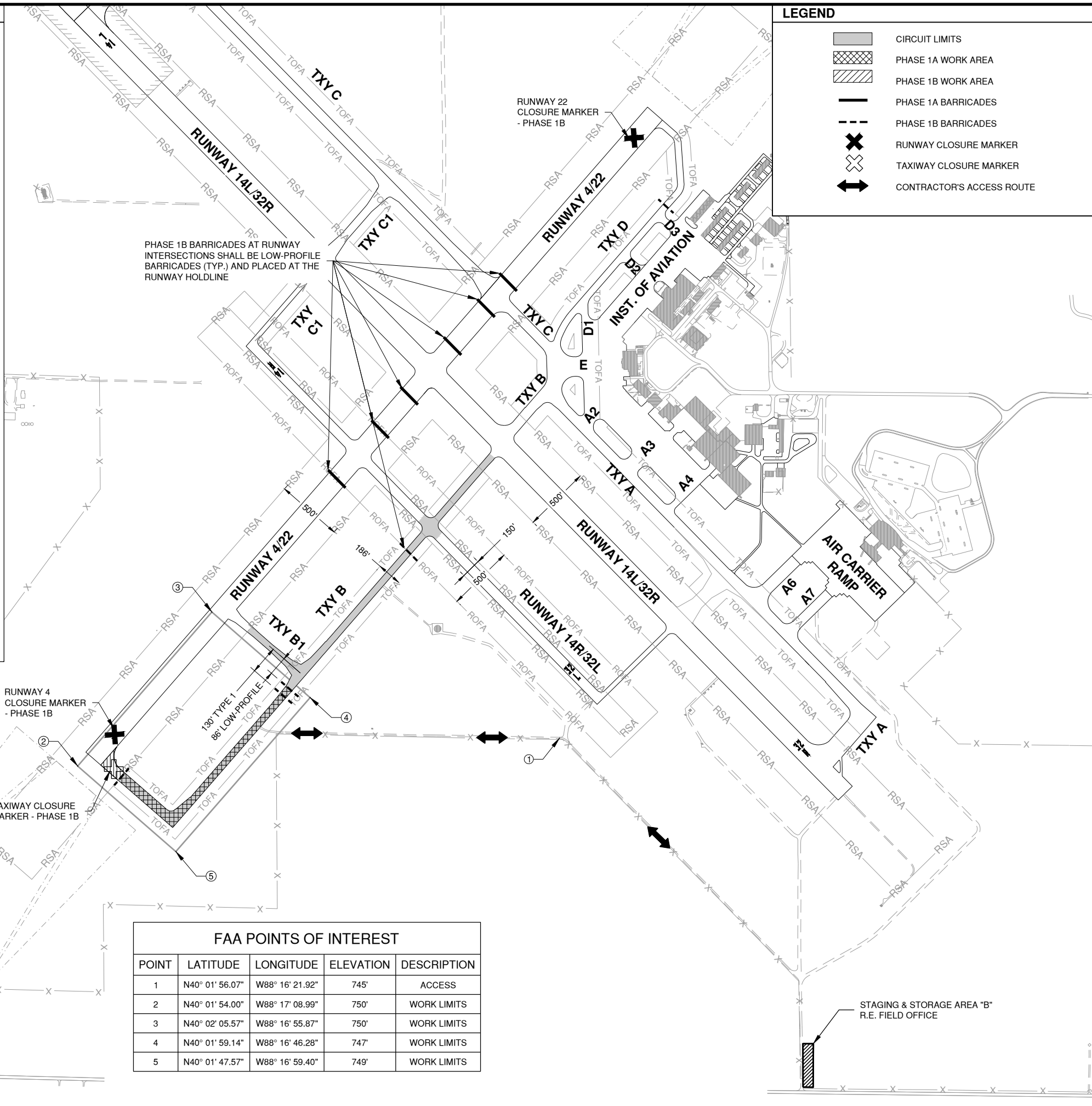
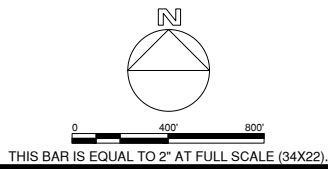
1. PHASE 1B MAY BE CONCURRENT WITH PHASE 9B & 10B.
2. AIRPORT ISSUES NOTAM FOR CLOSED PAVEMENT, FOLLOWING 72-HOUR NOTICE GIVEN BY THE CONTRACTOR.
3. CONTRACTOR PLACES BARRICADES & CLOSURE MARKINGS.
4. PRIOR TO CLOSING PAVEMENTS AS NOTED ON THIS DRAWING, THE CONTRACTOR SHALL PLACE THE TRAFFIC CONTROL DEVICES AS SHOWN ON THIS DRAWING AND AS REQUIRED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL DEVICES AS LONG AS THEY ARE IN PLACE.
5. AIRCRAFT TRAFFIC AND CONTRACTOR VEHICULAR TRAFFIC SHALL NOT INTERSECT IN THIS PHASE.
6. PRIOR TO OPENING THE WORK LIMITS TO AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL REQUEST THE AIRPORT TO PERFORM AN INSPECTION.
7. LOCATE TAXIWAY CIRCUIT TO BE IMPROVED AND JUMPER AROUND CURRENT PHASE. USE EXISTING SPARE REGULATORS AS OUTLINED IN THE EXISTING VAULT EQUIPMENT PLAN TO PROVIDE TEMPORARY POWER TO PORTIONS OF THE TAXIWAY CIRCUIT TO PROVIDE CONTINUOUS POWER TO THOSE AREAS OUTSIDE OF THE CURRENT PHASE.
8. LOCATE UTILITIES WITHIN THE PHASE INCLUDING BUT NOT LIMITED TO THE FAA CABLES, AIRPORT HOMERUNS AND EXISTING UNDERGROUND DRAINAGE.
9. VERIFY THAT THE TAXIWAY LIGHTING CIRCUITS ON EITHER SIDE OF THE CURRENT PHASE ARE POWERED.
10. SURVEY AND RECORD THE LOCATION OF THE EXISTING SIGNS. REMOVE EXISTING LIGHTS AND SIGNS.
11. LAYOUT NEW TAXIWAY LIGHT, TAXIWAY GUIDANCE SIGNS, CABLE AND EX. DUCT LOCATIONS.
12. INSTALL CABLE & TAXIWAY LIGHTS AND TAXIWAY GUIDANCE SIGNS.
13. COORDINATE WITH THE AIRPORT THROUGH THE RESIDENT ENGINEER A MINIMUM 72 HOURS PRIOR TO BEGINNING WORK WITHIN THE RUNWAY SAFETY AREA.
14. PLACE RUNWAY CLOSURE MARKERS AT THE BEGINNING OF EACH WORKING DAY. BEGIN WORKING WITHIN THE RUNWAY SAFETY AREA.
15. WORK AREAS WITHIN THE RUNWAY SAFETY AREA SHALL HAVE NO OPEN TRENCHES, NO EQUIPMENT, NO MATERIALS AND MEET THE APPROVAL OF THE RESIDENT ENGINEER PRIOR TO REOPENING THE RUNWAY.
16. COMPLETE ALL WORK WITHIN THE PHASE LIMITS AND TEST ALL INSTALLED EQUIPMENT TO ENSURE THAT LIGHTS AND SIGNS ARE WORKING PROPERLY.
17. COORDINATE COMPLETION OF THE CURRENT PHASE AND INTENTIONS TO BEGIN THE NEXT PHASE AND REPEAT THE PROCESS.

**LEGEND**

- CIRCUIT LIMITS
- PHASE 1A WORK AREA
- PHASE 1B WORK AREA
- PHASE 1A BARRICADES
- PHASE 1B BARRICADES
- RUNWAY CLOSURE MARKER
- TAXIWAY CLOSURE MARKER
- CONTRACTOR'S ACCESS ROUTE



License No. 184-000613  
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**FAA POINTS OF INTEREST**

POINT	LATITUDE	LONGITUDE	ELEVATION	DESCRIPTION
1	N40° 01' 56.07"	W88° 16' 21.92"	745'	ACCESS
2	N40° 01' 54.00"	W88° 17' 08.99"	750'	WORK LIMITS
3	N40° 02' 05.57"	W88° 16' 55.87"	750'	WORK LIMITS
4	N40° 01' 59.14"	W88° 16' 46.28"	747'	WORK LIMITS
5	N40° 01' 47.57"	W88° 16' 59.40"	749'	WORK LIMITS

JUNE 5, 2019

**INSTALL TAXIWAY LIGHTING & SIGNAGE**



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD	UNXXX
IL PROJ. NO. CMI-4693	
CMT PROJECT NO: 180059-02-00	
CAD DWG FILE: 18005902-GC101.DWG	
DESIGNED BY: EMH	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: CBG	
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**CONSTRUCTION ACTIVITY PLAN 1**

Path: K:\Champaign\A018005902-00\Draw\Sheets\18005902-GC101.dwg  
Date: Monday, July 8, 2019 4:49:34 PM

**PHASING SEQUENCE**

1. PHASE 2 SHALL NOT BE CONCURRENT WITH ANY OTHER PHASE WITHOUT AIRPORT APPROVAL.
2. AIRPORT ISSUES NOTAM FOR CLOSED PAVEMENT, FOLLOWING 72-HOUR NOTICE GIVEN BY THE CONTRACTOR.
3. CONTRACTOR PLACES BARRICADES & CLOSURE MARKINGS.
4. PRIOR TO CLOSING PAVEMENTS AS NOTED ON THIS DRAWING, THE CONTRACTOR SHALL PLACE THE TRAFFIC CONTROL DEVICES AS SHOWN ON THIS DRAWING AND AS REQUIRED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL DEVICES AS LONG AS THEY ARE IN PLACE.
5. AIRCRAFT TRAFFIC AND CONTRACTOR VEHICULAR TRAFFIC MAY INTERSECT IN THIS PHASE. CONTACT TOWER PRIOR TO ENTERING THE TOFA OF TXY B.
6. PRIOR TO OPENING THE WORK LIMITS TO AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL REQUEST THE AIRPORT TO PERFORM AN INSPECTION.
7. LOCATE TAXIWAY CIRCUIT TO BE IMPROVED AND JUMPER AROUND CURRENT PHASE. USE EXISTING SPARE REGULATORS AS OUTLINED IN THE EXISTING VAULT EQUIPMENT PLAN TO PROVIDE TEMPORARY POWER TO PORTIONS OF THE TAXIWAY CIRCUIT TO PROVIDE CONTINUOUS POWER TO THOSE AREAS OUTSIDE OF THE CURRENT PHASE.
8. LOCATE UTILITIES WITHIN THE PHASE INCLUDING BUT NOT LIMITED TO THE FAA CABLES, AIRPORT HOMERUNS AND EXISTING UNDERGROUND DRAINAGE.
9. VERIFY THAT THE TAXIWAY LIGHTING CIRCUITS ON EITHER SIDE OF THE CURRENT PHASE ARE POWERED.
10. SURVEY AND RECORD THE LOCATION OF THE EXISTING SIGNS. REMOVE EXISTING LIGHTS AND SIGNS.
11. LAYOUT NEW TAXIWAY LIGHT, TAXIWAY GUIDANCE SIGNS, CABLE AND EX. DUCT LOCATIONS.
12. INSTALL CABLE & TAXIWAY LIGHTS AND TAXIWAY GUIDANCE SIGNS.
13. COORDINATE WITH THE AIRPORT THROUGH THE RESIDENT ENGINEER A MINIMUM 72 HOURS PRIOR TO BEGINNING WORK WITHIN THE RUNWAY SAFETY AREA.
14. PLACE RUNWAY CLOSURE MARKERS AT THE BEGINNING OF EACH WORKING DAY. BEGIN WORKING WITHIN THE RUNWAY SAFETY AREA.
15. WORK AREAS WITHIN THE RUNWAY SAFETY AREA SHALL HAVE NO OPEN TRENCHES, NO EQUIPMENT, NO MATERIALS AND MEET THE APPROVAL OF THE RESIDENT ENGINEER PRIOR TO REOPENING THE RUNWAY.
16. COMPLETE ALL WORK WITHIN THE PHASE LIMITS AND TEST ALL INSTALLED EQUIPMENT TO ENSURE THAT LIGHTS AND SIGNS ARE WORKING PROPERLY.
17. COORDINATE COMPLETION OF THE CURRENT PHASE AND INTENTIONS TO BEGIN THE NEXT PHASE AND REPEAT THE PROCESS.

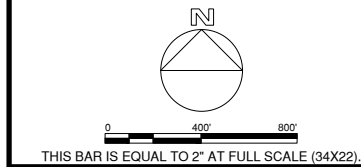
**LEGEND**

-  CIRCUIT LIMITS
-  PHASE 2 WORK AREA
-  PHASE 2 BARRICADES
-  RUNWAY CLOSURE MARKER
-  TAXIWAY CLOSURE MARKER
-  CONTRACTOR'S ACCESS ROUTE



License No. 184-000613

CONSULTANTS



JUNE 5, 2019

**INSTALL TAXIWAY LIGHTING & SIGNAGE**

OWNER



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION
AIP PROJ. NO. 3-17-0016-TBD		UNXXX
IL PROJ. NO. CMI-4693		
CMT PROJECT NO: 180059-02-00		
CAD DWG FILE: 18005902-GC102.DWG		
DESIGNED BY: EMH		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: CBG		
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**CONSTRUCTION ACTIVITY PLAN 2**

GC102  
SHEET 7 OF 47



**FAA POINTS OF INTEREST**

POINT	LATITUDE	LONGITUDE	ELEVATION	DESCRIPTION
1	N40° 01' 56.07"	W88° 16' 21.92"	745'	ACCESS
2	N40° 02' 02.97"	W88° 16' 48.91"	746'	WORK LIMITS
3	N40° 02' 11.82"	W88° 16' 38.88"	745'	WORK LIMITS
4	N40° 02' 08.92"	W88° 16' 35.18"	745'	WORK LIMITS
5	N40° 02' 00.31"	W88° 16' 44.95"	746'	WORK LIMITS

Path: K:\Champaign\A018005902-00\Draw\Sheets\18005902-GC102.dwg  
Date: Monday, July 8, 2019 4:49:43 PM

**PHASING SEQUENCE**

1. PHASE 3 SHALL NOT BE CONCURRENT WITH ANY OTHER PHASE WITHOUT AIRPORT APPROVAL.
2. AIRPORT ISSUES NOTAM FOR CLOSED PAVEMENT, FOLLOWING 72-HOUR NOTICE GIVEN BY THE CONTRACTOR.
3. CONTRACTOR PLACES BARRICADES & CLOSURE MARKINGS.
4. PRIOR TO CLOSING PAVEMENTS AS NOTED ON THIS DRAWING, THE CONTRACTOR SHALL PLACE THE TRAFFIC CONTROL DEVICES AS SHOWN ON THIS DRAWING AND AS REQUIRED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL DEVICES AS LONG AS THEY ARE IN PLACE.
5. AIRCRAFT TRAFFIC AND CONTRACTOR VEHICULAR TRAFFIC SHALL NOT INTERSECT IN THIS PHASE.
6. PRIOR TO OPENING THE WORK LIMITS TO AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL REQUEST THE AIRPORT TO PERFORM AN INSPECTION.
7. LOCATE TAXIWAY CIRCUIT TO BE IMPROVED AND JUMPER AROUND CURRENT PHASE. USE EXISTING SPARE REGULATORS AS OUTLINED IN THE EXISTING VAULT EQUIPMENT PLAN TO PROVIDE TEMPORARY POWER TO PORTIONS OF THE TAXIWAY CIRCUIT TO PROVIDE CONTINUOUS POWER TO THOSE AREAS OUTSIDE OF THE CURRENT PHASE.
8. LOCATE UTILITIES WITHIN THE PHASE INCLUDING BUT NOT LIMITED TO THE FAA CABLES, AIRPORT HOMERUNS AND EXISTING UNDERGROUND DRAINAGE.
9. VERIFY THAT THE TAXIWAY LIGHTING CIRCUITS ON EITHER SIDE OF THE CURRENT PHASE ARE POWERED.
10. SURVEY AND RECORD THE LOCATION OF THE EXISTING SIGNS. REMOVE EXISTING LIGHTS AND SIGNS.
11. LAYOUT NEW TAXIWAY LIGHT, TAXIWAY GUIDANCE SIGNS, CABLE AND EX. DUCT LOCATIONS.
12. INSTALL CABLE & TAXIWAY LIGHTS AND TAXIWAY GUIDANCE SIGNS.
13. COORDINATE WITH THE AIRPORT THROUGH THE RESIDENT ENGINEER A MINIMUM 72 HOURS PRIOR TO BEGINNING WORK WITHIN THE RUNWAY SAFETY AREA.
14. PLACE RUNWAY CLOSURE MARKERS AT THE BEGINNING OF EACH WORKING DAY. BEGIN WORKING WITHIN THE RUNWAY SAFETY AREA.
15. WORK AREAS WITHIN THE RUNWAY SAFETY AREA SHALL HAVE NO OPEN TRENCHES, NO EQUIPMENT, NO MATERIALS AND MEET THE APPROVAL OF THE RESIDENT ENGINEER PRIOR TO REOPENING THE RUNWAY.
16. COMPLETE ALL WORK WITHIN THE PHASE LIMITS AND TEST ALL INSTALLED EQUIPMENT TO ENSURE THAT LIGHTS AND SIGNS ARE WORKING PROPERLY.
17. COORDINATE COMPLETION OF THE CURRENT PHASE AND INTENTIONS TO BEGIN THE NEXT PHASE AND REPEAT THE PROCESS.

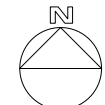
**LEGEND**

- [Grey Box] CIRCUIT LIMITS
- [Cross-hatched Box] PHASE 3 WORK AREA
- [Dashed Line] PHASE 3 BARRICADES
- [X Symbol] RUNWAY CLOSURE MARKER
- [+ Symbol] TAXIWAY CLOSURE MARKER
- [Double Arrow] CONTRACTOR'S ACCESS ROUTE

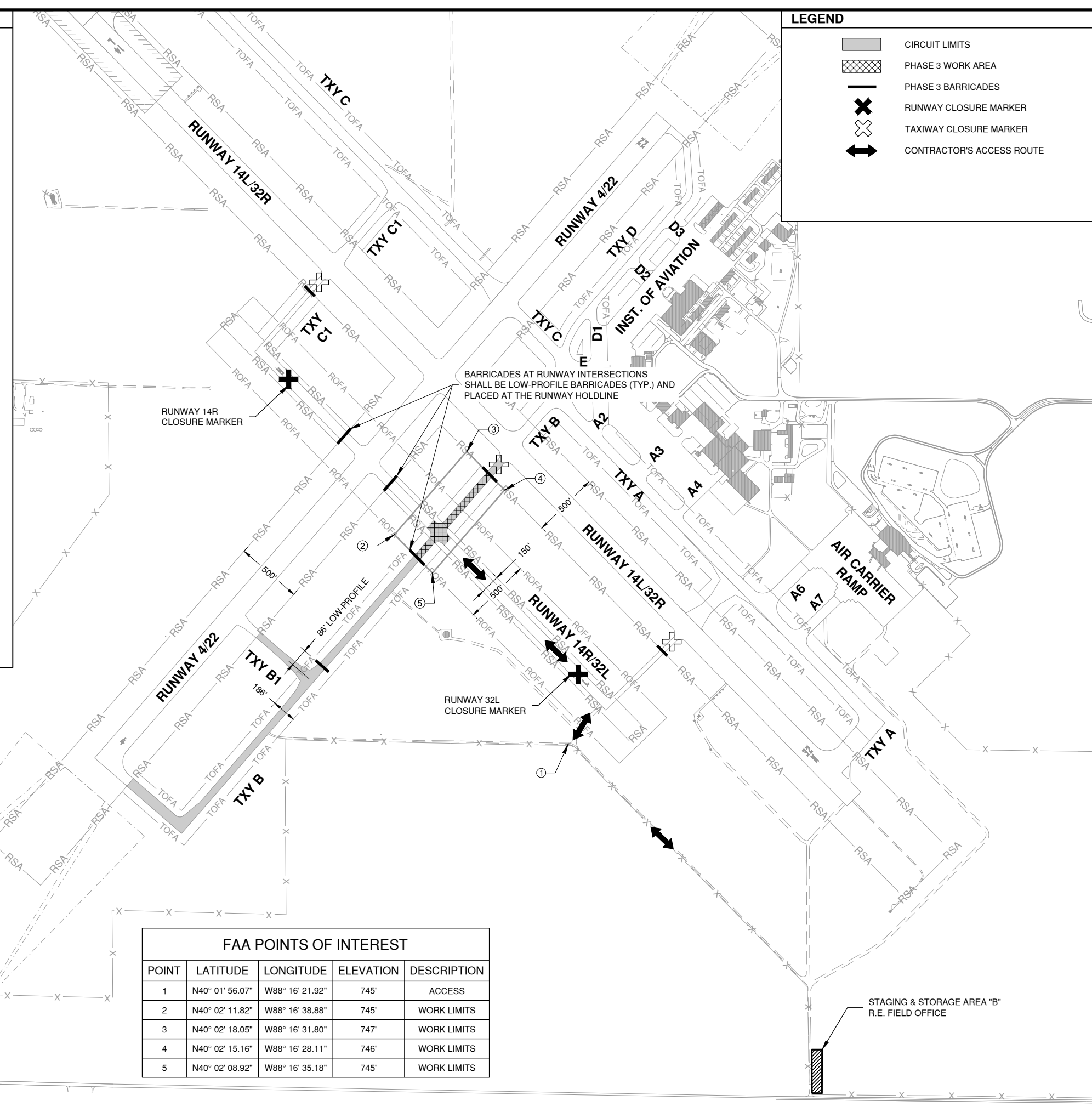


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THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).



**FAA POINTS OF INTEREST**

POINT	LATITUDE	LONGITUDE	ELEVATION	DESCRIPTION
1	N40° 01' 56.07"	W88° 16' 21.92"	745'	ACCESS
2	N40° 02' 11.82"	W88° 16' 38.88"	745'	WORK LIMITS
3	N40° 02' 18.05"	W88° 16' 31.80"	747'	WORK LIMITS
4	N40° 02' 15.16"	W88° 16' 28.11"	746'	WORK LIMITS
5	N40° 02' 08.92"	W88° 16' 35.18"	745'	WORK LIMITS

JUNE 5, 2019

**INSTALL TAXIWAY LIGHTING & SIGNAGE**

OWNER



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION
AIP PROJ. NO. 3-17-0016-TBD		UNXXX
IL PROJ. NO. CMI-4693		
CMT PROJECT NO: 180059-02-00		
CAD DWG FILE: 18005902-GC103.DWG		
DESIGNED BY: EMH		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: CBG		
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SHEET TITLE  
**CONSTRUCTION  
ACTIVITY PLAN 3**  
GC103  
SHEET 8 OF 47

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Date: Monday, July 8, 2019 4:49:53 PM



**PHASING SEQUENCE**

1. PHASE 4B SHALL BE CONCURRENT WITH PHASE 4A.
2. AIRPORT ISSUES NOTAM FOR CLOSED PAVEMENT, FOLLOWING 72-HOUR NOTICE GIVEN BY THE CONTRACTOR.
3. CONTRACTOR PLACES BARRICADES & CLOSURE MARKINGS.
4. PRIOR TO CLOSING PAVEMENTS AS NOTED ON THIS DRAWING, THE CONTRACTOR SHALL PLACE THE TRAFFIC CONTROL DEVICES AS SHOWN ON THIS DRAWING AND AS REQUIRED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL DEVICES AS LONG AS THEY ARE IN PLACE.
5. AIRCRAFT TRAFFIC AND CONTRACTOR VEHICULAR TRAFFIC MAY INTERSECT IN THIS PHASE AT A5. CONTRACTOR SHALL CONTACT TOWER PRIOR TO PROCEEDING THROUGH THE 32R/A5 INTERSECTION.
6. PRIOR TO OPENING THE WORK LIMITS TO AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL REQUEST THE AIRPORT TO PERFORM AN INSPECTION.
7. LOCATE TAXIWAY CIRCUIT TO BE IMPROVED AND JUMPER AROUND CURRENT PHASE. USE EXISTING SPARE REGULATORS AS OUTLINED IN THE EXISTING VAULT EQUIPMENT PLAN TO PROVIDE TEMPORARY POWER TO PORTIONS OF THE TAXIWAY CIRCUIT TO PROVIDE CONTINUOUS POWER TO THOSE AREAS OUTSIDE OF THE CURRENT PHASE.
8. LOCATE UTILITIES WITHIN THE PHASE INCLUDING BUT NOT LIMITED TO THE FAA CABLES, AIRPORT HOMERUNS AND EXISTING UNDERGROUND DRAINAGE.
9. VERIFY THAT THE TAXIWAY LIGHTING CIRCUITS ON EITHER SIDE OF THE CURRENT PHASE ARE POWERED.
10. SURVEY AND RECORD THE LOCATION OF THE EXISTING SIGNS. REMOVE EXISTING LIGHTS AND SIGNS.
11. LAYOUT NEW TAXIWAY LIGHT, TAXIWAY GUIDANCE SIGNS, CABLE AND EX. DUCT LOCATIONS.
12. INSTALL CABLE & TAXIWAY LIGHTS AND TAXIWAY GUIDANCE SIGNS.
13. COORDINATE WITH THE AIRPORT THROUGH THE RESIDENT ENGINEER A MINIMUM 72 HOURS PRIOR TO BEGINNING WORK WITHIN THE RUNWAY SAFETY AREA.
14. PLACE RUNWAY CLOSURE MARKERS AT THE BEGINNING OF EACH WORKING DAY. BEGIN WORKING WITHIN THE RUNWAY SAFETY AREA.
15. WORK AREAS WITHIN THE RUNWAY SAFETY AREA SHALL HAVE NO OPEN TRENCHES, NO EQUIPMENT, NO MATERIALS AND MEET THE APPROVAL OF THE RESIDENT ENGINEER PRIOR TO REOPENING THE RUNWAY.
16. COMPLETE ALL WORK WITHIN THE PHASE LIMITS AND TEST ALL INSTALLED EQUIPMENT TO ENSURE THAT LIGHTS AND SIGNS ARE WORKING PROPERLY.
17. COORDINATE COMPLETION OF THE CURRENT PHASE AND INTENTIONS TO BEGIN THE NEXT PHASE AND REPEAT THE PROCESS.



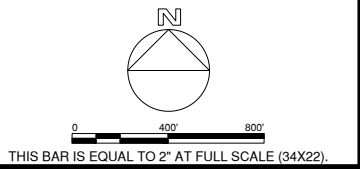
**LEGEND**

- CIRCUIT LIMITS
- PHASE 4A WORK AREA
- PHASE 4B WORK AREA
- PHASE 4 BARRICADES
- RUNWAY CLOSURE MARKER
- TAXIWAY CLOSURE MARKER
- CONTRACTOR'S ACCESS ROUTE



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JUNE 5, 2019

**INSTALL TAXIWAY LIGHTING & SIGNAGE**



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION
AIP PROJ. NO. 3-17-0016-TBD		UNXXX
IL PROJ. NO. CMI-4693		
CMT PROJECT NO: 180059-02-00		
CAD DWG FILE: 18005902-GC104.DWG		
DESIGNED BY: EMH		
DRAWN BY: DPA		
CHECKED BY: MJD		
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**CONSTRUCTION ACTIVITY PLAN 4**

**FAA POINTS OF INTEREST**







POINT	LATITUDE	LONGITUDE	ELEVATION	DESCRIPTION
1	N40° 01' 51.45"	W88° 15' 55.13"	745'	ACCESS
2	N40° 02' 18.05"	W88° 16' 31.80"	747'	WORK LIMITS
3	N40° 02' 21.79"	W88° 16' 27.56"	747'	WORK LIMITS
4	N40° 02' 18.89"	W88° 16' 23.87"	747'	WORK LIMITS
5	N40° 02' 15.16"	W88° 16' 28.11"	746'	WORK LIMITS

Path: K:\Champaign\A018005902-00\Draw\Sheets\18005902-GC104.dwg  
Date: Monday, July 8, 2019 4:50:03 PM

**PHASING SEQUENCE**

1. PHASE 5 SHALL NOT BE CONCURRENT WITH ANY OTHER PHASE WITHOUT AIRPORT APPROVAL.
2. AIRPORT ISSUES NOTAM FOR CLOSED PAVEMENT, FOLLOWING 72-HOUR NOTICE GIVEN BY THE CONTRACTOR.
3. CONTRACTOR PLACES BARRICADES & CLOSURE MARKINGS.
4. PRIOR TO CLOSING PAVEMENTS AS NOTED ON THIS DRAWING, THE CONTRACTOR SHALL PLACE THE TRAFFIC CONTROL DEVICES AS SHOWN ON THIS DRAWING AND AS REQUIRED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL DEVICES AS LONG AS THEY ARE IN PLACE.
5. AIRCRAFT TRAFFIC AND CONTRACTOR VEHICULAR TRAFFIC SHALL NOT INTERSECT IN THIS PHASE.
6. PRIOR TO OPENING THE WORK LIMITS TO AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL REQUEST THE AIRPORT TO PERFORM AN INSPECTION.
7. LOCATE TAXIWAY CIRCUIT TO BE IMPROVED AND JUMPER AROUND CURRENT PHASE. USE EXISTING SPARE REGULATORS AS OUTLINED IN THE EXISTING VAULT EQUIPMENT PLAN TO PROVIDE TEMPORARY POWER TO PORTIONS OF THE TAXIWAY CIRCUIT TO PROVIDE CONTINUOUS POWER TO THOSE AREAS OUTSIDE OF THE CURRENT PHASE.
8. LOCATE UTILITIES WITHIN THE PHASE INCLUDING BUT NOT LIMITED TO THE FAA CABLES, AIRPORT HOMERUNS AND EXISTING UNDERGROUND DRAINAGE.
9. VERIFY THAT THE TAXIWAY LIGHTING CIRCUITS ON EITHER SIDE OF THE CURRENT PHASE ARE POWERED.
10. SURVEY AND RECORD THE LOCATION OF THE EXISTING SIGNS. REMOVE EXISTING LIGHTS AND SIGNS.
11. LAYOUT NEW TAXIWAY LIGHT, TAXIWAY GUIDANCE SIGNS, CABLE AND EX. DUCT LOCATIONS.
12. INSTALL CABLE & TAXIWAY LIGHTS AND TAXIWAY GUIDANCE SIGNS.
13. COORDINATE WITH THE AIRPORT THROUGH THE RESIDENT ENGINEER A MINIMUM 72 HOURS PRIOR TO BEGINNING WORK WITHIN THE RUNWAY SAFETY AREA.
14. PLACE RUNWAY CLOSURE MARKERS AT THE BEGINNING OF EACH WORKING DAY. BEGIN WORKING WITHIN THE RUNWAY SAFETY AREA.
15. WORK AREAS WITHIN THE RUNWAY SAFETY AREA SHALL HAVE NO OPEN TRENCHES, NO EQUIPMENT, NO MATERIALS AND MEET THE APPROVAL OF THE RESIDENT ENGINEER PRIOR TO REOPENING THE RUNWAY.
16. COMPLETE ALL WORK WITHIN THE PHASE LIMITS AND TEST ALL INSTALLED EQUIPMENT TO ENSURE THAT LIGHTS AND SIGNS ARE WORKING PROPERLY.
17. COORDINATE COMPLETION OF THE CURRENT PHASE AND INTENTIONS TO BEGIN THE NEXT PHASE AND REPEAT THE PROCESS.

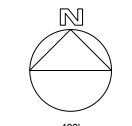
**LEGEND**

-  CIRCUIT LIMITS
-  PHASE 5 WORK AREA
-  PHASE 5 BARRICADES
-  RUNWAY CLOSURE MARKER
-  TAXIWAY CLOSURE MARKER
-  CONTRACTOR'S ACCESS ROUTE

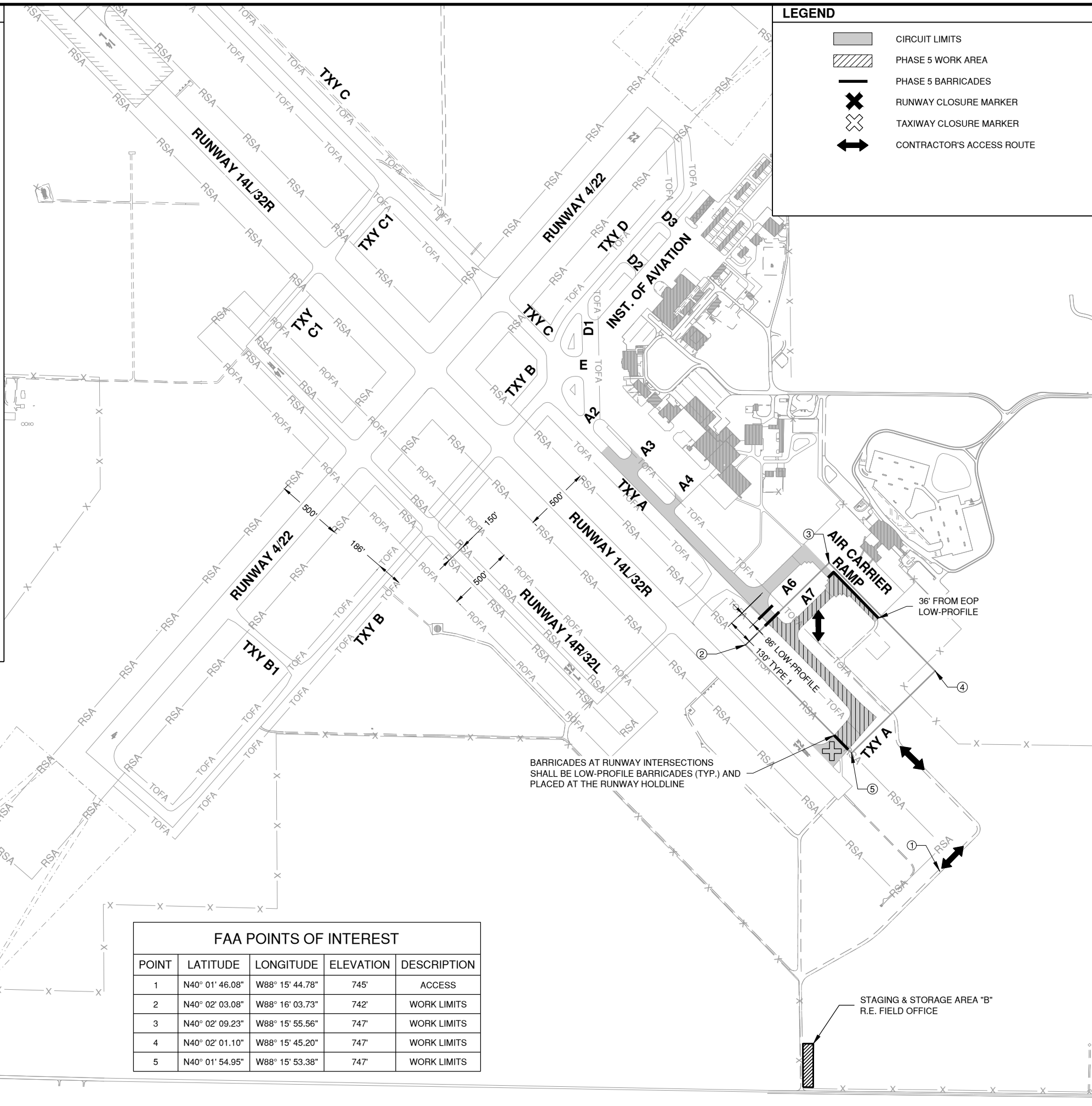


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THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).



BARRICADES AT RUNWAY INTERSECTIONS SHALL BE LOW-PROFILE BARRICADES (TYP.) AND PLACED AT THE RUNWAY HOLDLINE

STAGING & STORAGE AREA "B" R.E. FIELD OFFICE

FAA POINTS OF INTEREST				
POINT	LATITUDE	LONGITUDE	ELEVATION	DESCRIPTION
1	N40° 01' 46.08"	W88° 15' 44.78"	745'	ACCESS
2	N40° 02' 03.08"	W88° 16' 03.73"	742'	WORK LIMITS
3	N40° 02' 09.23"	W88° 15' 55.56"	747'	WORK LIMITS
4	N40° 02' 01.10"	W88° 15' 45.20"	747'	WORK LIMITS
5	N40° 01' 54.95"	W88° 15' 53.38"	747'	WORK LIMITS

JUNE 5, 2019

**INSTALL TAXIWAY LIGHTING & SIGNAGE**



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION
AIP PROJ. NO. 3-17-0016-TBD		UNXXX
IL PROJ. NO. CMI-4693		
CMT PROJECT NO: 180059-02-00		
CAD DWG FILE: 18005902-GC105.DWG		
DESIGNED BY: EMH		
DRAWN BY: DPA		
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**CONSTRUCTION ACTIVITY PLAN 5**

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Date: Monday, July 8, 2019 4:50:12 PM

**PHASING SEQUENCE**

1. PHASE 6 SHALL NOT BE CONCURRENT WITH ANY OTHER PHASE WITHOUT AIRPORT APPROVAL.
2. AIRPORT ISSUES NOTAM FOR CLOSED PAVEMENT, FOLLOWING 72-HOUR NOTICE GIVEN BY THE CONTRACTOR.
3. CONTRACTOR PLACES BARRICADES & CLOSURE MARKINGS.
4. PRIOR TO CLOSING PAVEMENTS AS NOTED ON THIS DRAWING, THE CONTRACTOR SHALL PLACE THE TRAFFIC CONTROL DEVICES AS SHOWN ON THIS DRAWING AND AS REQUIRED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL DEVICES AS LONG AS THEY ARE IN PLACE.
5. AIRCRAFT TRAFFIC AND CONTRACTOR VEHICULAR TRAFFIC MAY INTERSECT IN THIS PHASE AT THE RAMP AND A7.
6. PRIOR TO OPENING THE WORK LIMITS TO AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL REQUEST THE AIRPORT TO PERFORM AN INSPECTION.
7. LOCATE TAXIWAY CIRCUIT TO BE IMPROVED AND JUMPER AROUND CURRENT PHASE. USE EXISTING SPARE REGULATORS AS OUTLINED IN THE EXISTING VAULT EQUIPMENT PLAN TO PROVIDE TEMPORARY POWER TO PORTIONS OF THE TAXIWAY CIRCUIT TO PROVIDE CONTINUOUS POWER TO THOSE AREAS OUTSIDE OF THE CURRENT PHASE.
8. LOCATE UTILITIES WITHIN THE PHASE INCLUDING BUT NOT LIMITED TO THE FAA CABLES, AIRPORT HOMERUNS AND EXISTING UNDERGROUND DRAINAGE.
9. VERIFY THAT THE TAXIWAY LIGHTING CIRCUITS ON EITHER SIDE OF THE CURRENT PHASE ARE POWERED.
10. SURVEY AND RECORD THE LOCATION OF THE EXISTING SIGNS. REMOVE EXISTING LIGHTS AND SIGNS.
11. LAYOUT NEW TAXIWAY LIGHT, TAXIWAY GUIDANCE SIGNS, CABLE AND EX. DUCT LOCATIONS.
12. INSTALL CABLE & TAXIWAY LIGHTS AND TAXIWAY GUIDANCE SIGNS.
13. COORDINATE WITH THE AIRPORT THROUGH THE RESIDENT ENGINEER A MINIMUM 72 HOURS PRIOR TO BEGINNING WORK WITHIN THE RUNWAY SAFETY AREA.
14. PLACE RUNWAY CLOSURE MARKERS AT THE BEGINNING OF EACH WORKING DAY. BEGIN WORKING WITHIN THE RUNWAY SAFETY AREA.
15. WORK AREAS WITHIN THE RUNWAY SAFETY AREA SHALL HAVE NO OPEN TRENCHES, NO EQUIPMENT, NO MATERIALS AND MEET THE APPROVAL OF THE RESIDENT ENGINEER PRIOR TO REOPENING THE RUNWAY.
16. COMPLETE ALL WORK WITHIN THE PHASE LIMITS AND TEST ALL INSTALLED EQUIPMENT TO ENSURE THAT LIGHTS AND SIGNS ARE WORKING PROPERLY.
17. COORDINATE COMPLETION OF THE CURRENT PHASE AND INTENTIONS TO BEGIN THE NEXT PHASE AND REPEAT THE PROCESS.

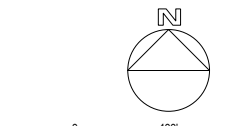
**LEGEND**

-  CIRCUIT LIMITS
-  PHASE 6 WORK AREA
-  PHASE 6 BARRICADES
-  RUNWAY CLOSURE MARKER
-  TAXIWAY CLOSURE MARKER
-  CONTRACTOR'S ACCESS ROUTE

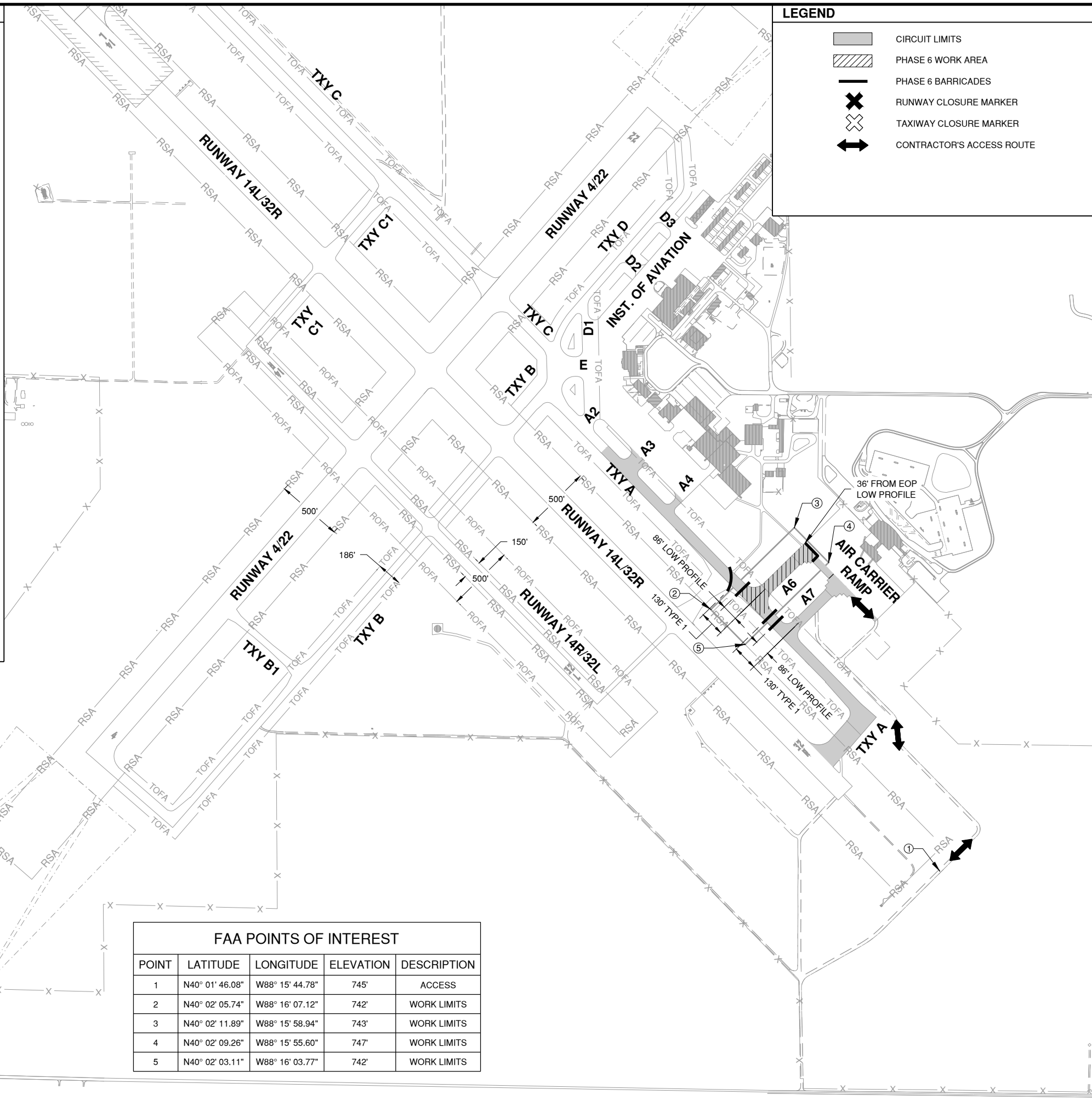


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CONSULTANTS



THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).



FAA POINTS OF INTEREST				
POINT	LATITUDE	LONGITUDE	ELEVATION	DESCRIPTION
1	N40° 01' 46.08"	W88° 15' 44.78"	745'	ACCESS
2	N40° 02' 05.74"	W88° 16' 07.12"	742'	WORK LIMITS
3	N40° 02' 11.89"	W88° 15' 58.94"	743'	WORK LIMITS
4	N40° 02' 09.26"	W88° 15' 55.60"	747'	WORK LIMITS
5	N40° 02' 03.11"	W88° 16' 03.77"	742'	WORK LIMITS

JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION
AIP PROJ. NO. 3-17-0016-TBD		UNXXX
IL PROJ. NO. CMI-4693		
CMT PROJECT NO: 180059-02-00		
CAD DWG FILE: 18005902-GC106.DWG		
DESIGNED BY: EMH		
DRAWN BY: DPA		
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CONSTRUCTION  
ACTIVITY PLAN 6


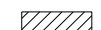




GC106  
SHEET 11 OF 47

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Date: Monday, July 8, 2019 4:50:22 PM

**PHASING SEQUENCE**

1. PHASE 7 SHALL NOT BE CONCURRENT WITH ANY OTHER PHASE WITHOUT AIRPORT APPROVAL.
2. AIRPORT ISSUES NOTAM FOR CLOSED PAVEMENT, FOLLOWING 72-HOUR NOTICE GIVEN BY THE CONTRACTOR.
3. CONTRACTOR PLACES BARRICADES & CLOSURE MARKINGS.
4. PRIOR TO CLOSING PAVEMENTS AS NOTED ON THIS DRAWING, THE CONTRACTOR SHALL PLACE THE TRAFFIC CONTROL DEVICES AS SHOWN ON THIS DRAWING AND AS REQUIRED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL DEVICES AS LONG AS THEY ARE IN PLACE.
5. AIRCRAFT TRAFFIC AND CONTRACTOR VEHICULAR TRAFFIC WILL INTERSECT IN THIS PHASE ON THE RAMP. CONTRACTOR SHALL YIELD RIGHT-OF-WAY TO AIRCRAFT AND MONITOR AIR TRAFFIC VIA RADIO TO ATCT.
6. PRIOR TO OPENING THE WORK LIMITS TO AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL REQUEST THE AIRPORT TO PERFORM AN INSPECTION.
7. LOCATE TAXIWAY CIRCUIT TO BE IMPROVED AND JUMPER AROUND CURRENT PHASE. USE EXISTING SPARE REGULATORS AS OUTLINED IN THE EXISTING VAULT EQUIPMENT PLAN TO PROVIDE TEMPORARY POWER TO PORTIONS OF THE TAXIWAY CIRCUIT TO PROVIDE CONTINUOUS POWER TO THOSE AREAS OUTSIDE OF THE CURRENT PHASE.
8. LOCATE UTILITIES WITHIN THE PHASE INCLUDING BUT NOT LIMITED TO THE FAA CABLES, AIRPORT HOMERUNS AND EXISTING UNDERGROUND DRAINAGE.
9. VERIFY THAT THE TAXIWAY LIGHTING CIRCUITS ON EITHER SIDE OF THE CURRENT PHASE ARE POWERED.
10. SURVEY AND RECORD THE LOCATION OF THE EXISTING SIGNS. REMOVE EXISTING LIGHTS AND SIGNS.
11. LAYOUT NEW TAXIWAY LIGHT, TAXIWAY GUIDANCE SIGNS, CABLE AND EX. DUCT LOCATIONS.
12. INSTALL CABLE & TAXIWAY LIGHTS AND TAXIWAY GUIDANCE SIGNS.
13. COORDINATE WITH THE AIRPORT THROUGH THE RESIDENT ENGINEER A MINIMUM 72 HOURS PRIOR TO BEGINNING WORK WITHIN THE RUNWAY SAFETY AREA.
14. PLACE RUNWAY CLOSURE MARKERS AT THE BEGINNING OF EACH WORKING DAY. BEGIN WORKING WITHIN THE RUNWAY SAFETY AREA.
15. WORK AREAS WITHIN THE RUNWAY SAFETY AREA SHALL HAVE NO OPEN TRENCHES, NO EQUIPMENT, NO MATERIALS AND MEET THE APPROVAL OF THE RESIDENT ENGINEER PRIOR TO REOPENING THE RUNWAY.
16. COMPLETE ALL WORK WITHIN THE PHASE LIMITS AND TEST ALL INSTALLED EQUIPMENT TO ENSURE THAT LIGHTS AND SIGNS ARE WORKING PROPERLY.
17. COORDINATE COMPLETION OF THE CURRENT PHASE AND INTENTIONS TO BEGIN THE NEXT PHASE AND REPEAT THE PROCESS.

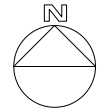
**LEGEND**

-  CIRCUIT LIMITS
-  PHASE 7 WORK AREA
-  PHASE 7 BARRICADES
-  RUNWAY CLOSURE MARKER
-  TAXIWAY CLOSURE MARKER
-  CONTRACTOR'S ACCESS ROUTE

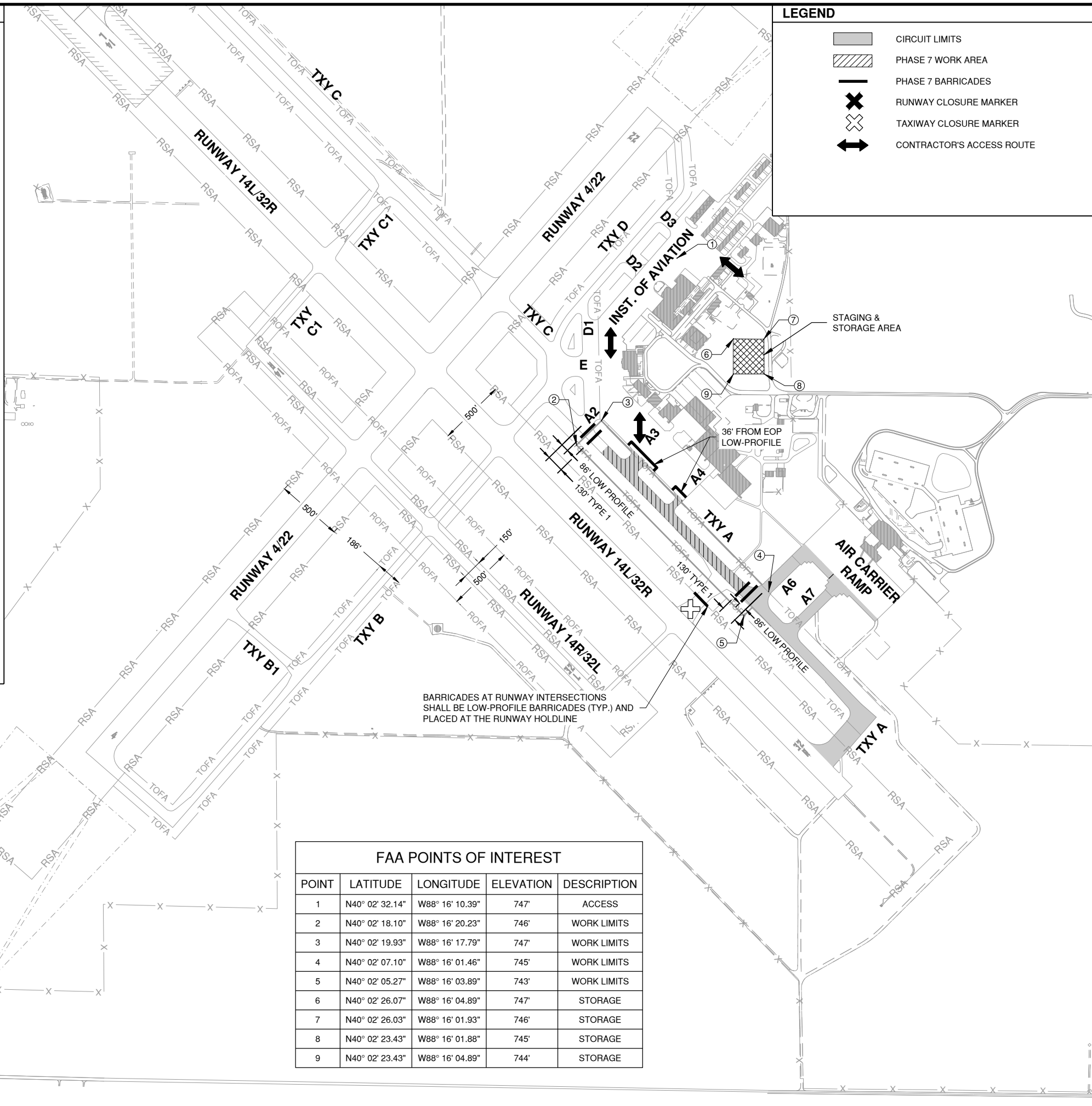


License No. 184-000613

CONSULTANTS



THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).



BARRICADES AT RUNWAY INTERSECTIONS SHALL BE LOW-PROFILE BARRICADES (TYP.) AND PLACED AT THE RUNWAY HOLDLINE

**FAA POINTS OF INTEREST**

POINT	LATITUDE	LONGITUDE	ELEVATION	DESCRIPTION
1	N40° 02' 32.14"	W88° 16' 10.39"	747'	ACCESS
2	N40° 02' 18.10"	W88° 16' 20.23"	746'	WORK LIMITS
3	N40° 02' 19.93"	W88° 16' 17.79"	747'	WORK LIMITS
4	N40° 02' 07.10"	W88° 16' 01.46"	745'	WORK LIMITS
5	N40° 02' 05.27"	W88° 16' 03.89"	743'	WORK LIMITS
6	N40° 02' 26.07"	W88° 16' 04.89"	747'	STORAGE
7	N40° 02' 26.03"	W88° 16' 01.93"	746'	STORAGE
8	N40° 02' 23.43"	W88° 16' 01.88"	745'	STORAGE
9	N40° 02' 23.43"	W88° 16' 04.89"	744'	STORAGE

JUNE 5, 2019

**INSTALL TAXIWAY LIGHTING & SIGNAGE**



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION
AIP PROJ. NO. 3-17-0016-TBD		UNXXX
IL PROJ. NO. CMI-4693		
CMT PROJECT NO: 180059-02-00		
CAD DWG FILE: 18005902-GC107.DWG		
DESIGNED BY: EMH		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: CBG		
COPYRIGHT:		


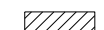




**CONSTRUCTION ACTIVITY PLAN 7**

Path: K:\Champaign\A018005902-00\Draws\Sheets\18005902-GC107.dwg  
Date: Monday, July 8, 2019 4:50:32 PM

**PHASING SEQUENCE**

1. PHASE 8 SHALL NOT BE CONCURRENT WITH ANY OTHER PHASE WITHOUT AIRPORT APPROVAL.
2. AIRPORT ISSUES NOTAM FOR CLOSED PAVEMENT, FOLLOWING 72-HOUR NOTICE GIVEN BY THE CONTRACTOR.
3. CONTRACTOR PLACES BARRICADES & CLOSURE MARKINGS.
4. PRIOR TO CLOSING PAVEMENTS AS NOTED ON THIS DRAWING, THE CONTRACTOR SHALL PLACE THE TRAFFIC CONTROL DEVICES AS SHOWN ON THIS DRAWING AND AS REQUIRED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL DEVICES AS LONG AS THEY ARE IN PLACE.
5. AIRCRAFT TRAFFIC AND CONTRACTOR VEHICULAR TRAFFIC WILL INTERSECT IN THIS PHASE ON THE RAMP. CONTRACTOR SHALL YIELD RIGHT-OF-WAY.
6. PRIOR TO OPENING THE WORK LIMITS TO AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL REQUEST THE AIRPORT TO PERFORM AN INSPECTION.
7. LOCATE TAXIWAY CIRCUIT TO BE IMPROVED AND JUMPER AROUND CURRENT PHASE. USE EXISTING SPARE REGULATORS AS OUTLINED IN THE EXISTING VAULT EQUIPMENT PLAN TO PROVIDE TEMPORARY POWER TO PORTIONS OF THE TAXIWAY CIRCUIT TO PROVIDE CONTINUOUS POWER TO THOSE AREAS OUTSIDE OF THE CURRENT PHASE.
8. LOCATE UTILITIES WITHIN THE PHASE INCLUDING BUT NOT LIMITED TO THE FAA CABLES, AIRPORT HOMERUNS AND EXISTING UNDERGROUND DRAINAGE.
9. VERIFY THAT THE TAXIWAY LIGHTING CIRCUITS ON EITHER SIDE OF THE CURRENT PHASE ARE POWERED.
10. SURVEY AND RECORD THE LOCATION OF THE EXISTING SIGNS. REMOVE EXISTING LIGHTS AND SIGNS.
11. LAYOUT NEW TAXIWAY LIGHT, TAXIWAY GUIDANCE SIGNS, CABLE AND EX. DUCT LOCATIONS.
12. INSTALL CABLE & TAXIWAY LIGHTS AND TAXIWAY GUIDANCE SIGNS.
13. COORDINATE WITH THE AIRPORT THROUGH THE RESIDENT ENGINEER A MINIMUM 72 HOURS PRIOR TO BEGINNING WORK WITHIN THE RUNWAY SAFETY AREA.
14. PLACE RUNWAY CLOSURE MARKERS AT THE BEGINNING OF EACH WORKING DAY. BEGIN WORKING WITHIN THE RUNWAY SAFETY AREA.
15. WORK AREAS WITHIN THE RUNWAY SAFETY AREA SHALL HAVE NO OPEN TRENCHES, NO EQUIPMENT, NO MATERIALS AND MEET THE APPROVAL OF THE RESIDENT ENGINEER PRIOR TO REOPENING THE RUNWAY.
16. COMPLETE ALL WORK WITHIN THE PHASE LIMITS AND TEST ALL INSTALLED EQUIPMENT TO ENSURE THAT LIGHTS AND SIGNS ARE WORKING PROPERLY.
17. COORDINATE COMPLETION OF THE CURRENT PHASE AND INTENTIONS TO BEGIN THE NEXT PHASE AND REPEAT THE PROCESS.

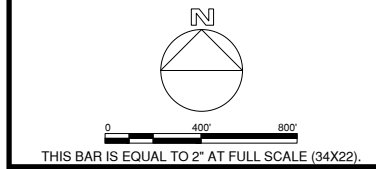
**LEGEND**

-  CIRCUIT LIMITS
-  PHASE 8 WORK AREA
-  PHASE 8 BARRICADES
-  RUNWAY CLOSURE MARKER
-  TAXIWAY CLOSURE MARKER
-  CONTRACTOR'S ACCESS ROUTE



License No. 184-000613

CONSULTANTS



BARRICADES AT RUNWAY INTERSECTIONS SHALL BE LOW-PROFILE BARRICADES (TYP.) AND PLACED AT THE RUNWAY HOLDLINE

**FAA POINTS OF INTEREST**

POINT	LATITUDE	LONGITUDE	ELEVATION	DESCRIPTION
1	N40° 02' 32.14"	W88° 16' 10.39"	747'	ACCESS
2	N40° 02' 23.77"	W88° 16' 30.09"	748'	WORK LIMITS
3	N40° 02' 26.99"	W88° 16' 26.37"	746'	WORK LIMITS
4	N40° 02' 17.73"	W88° 16' 14.71"	747'	WORK LIMITS
5	N40° 02' 14.78"	W88° 16' 18.63"	745'	WORK LIMITS
6	N40° 02' 26.07"	W88° 16' 04.89"	748'	STORAGE
7	N40° 02' 26.03"	W88° 16' 01.92"	747'	STORAGE
8	N40° 02' 23.43"	W88° 16' 01.88"	745'	STORAGE
9	N40° 02' 23.43"	W88° 16' 04.89"	744'	STORAGE

Path: K:\Champaign\A018005902-00\Draw\Sheets\18005902-GC108.dwg  
Date: Monday, July 8, 2019 4:50:42 PM

JUNE 5, 2019

**INSTALL TAXIWAY LIGHTING & SIGNAGE**



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS








MARK	DATE	DESCRIPTION
AIP PROJ. NO. 3-17-0016-TBD		UNXXX
IL PROJ. NO. CMI-4693		
CMT PROJECT NO: 180059-02-00		
CAD DWG FILE: 18005902-GC108.DWG		
DESIGNED BY: EMH		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: CBG		
COPYRIGHT:		

**CONSTRUCTION ACTIVITY PLAN 8**

**PHASING SEQUENCE**

1. PHASE 9B MAY BE CONCURRENT WITH PHASE 1B.
2. AIRPORT ISSUES NOTAM FOR CLOSED PAVEMENT, FOLLOWING 72-HOUR NOTICE GIVEN BY THE CONTRACTOR.
3. CONTRACTOR PLACES BARRICADES & CLOSURE MARKINGS.
4. PRIOR TO CLOSING PAVEMENTS AS NOTED ON THIS DRAWING, THE CONTRACTOR SHALL PLACE THE TRAFFIC CONTROL DEVICES AS SHOWN ON THIS DRAWING AND AS REQUIRED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL DEVICES AS LONG AS THEY ARE IN PLACE.
5. AIRCRAFT TRAFFIC AND CONTRACTOR VEHICULAR TRAFFIC WILL INTERSECT IN THIS PHASE AT THE RAMP AND TAXIWAY D. CONTRACTOR SHALL CONTACT TOWER AND YIELD RIGHT-OF-WAY TO AIRCRAFT.
6. PRIOR TO OPENING THE WORK LIMITS TO AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL REQUEST THE AIRPORT TO PERFORM AN INSPECTION.
7. LOCATE TAXIWAY CIRCUIT TO BE IMPROVED AND JUMPER AROUND CURRENT PHASE. USE EXISTING SPARE REGULATORS AS OUTLINED IN THE EXISTING VAULT EQUIPMENT PLAN TO PROVIDE TEMPORARY POWER TO PORTIONS OF THE TAXIWAY CIRCUIT TO PROVIDE CONTINUOUS POWER TO THOSE AREAS OUTSIDE OF THE CURRENT PHASE.
8. LOCATE UTILITIES WITHIN THE PHASE INCLUDING BUT NOT LIMITED TO THE FAA CABLES, AIRPORT HOMERUNS AND EXISTING UNDERGROUND DRAINAGE.
9. VERIFY THAT THE TAXIWAY LIGHTING CIRCUITS ON EITHER SIDE OF THE CURRENT PHASE ARE POWERED.
10. SURVEY AND RECORD THE LOCATION OF THE EXISTING SIGNS. REMOVE EXISTING LIGHTS AND SIGNS.
11. LAYOUT NEW TAXIWAY LIGHT, TAXIWAY GUIDANCE SIGNS, CABLE AND EX. DUCT LOCATIONS.
12. INSTALL CABLE & TAXIWAY LIGHTS AND TAXIWAY GUIDANCE SIGNS.
13. COORDINATE WITH THE AIRPORT THROUGH THE RESIDENT ENGINEER A MINIMUM 72 HOURS PRIOR TO BEGINNING WORK WITHIN THE RUNWAY SAFETY AREA.
14. PLACE RUNWAY CLOSURE MARKERS AT THE BEGINNING OF EACH WORKING DAY. BEGIN WORKING WITHIN THE RUNWAY SAFETY AREA.
15. WORK AREAS WITHIN THE RUNWAY SAFETY AREA SHALL HAVE NO OPEN TRENCHES, NO EQUIPMENT, NO MATERIALS AND MEET THE APPROVAL OF THE RESIDENT ENGINEER PRIOR TO REOPENING THE RUNWAY.
16. COMPLETE ALL WORK WITHIN THE PHASE LIMITS AND TEST ALL INSTALLED EQUIPMENT TO ENSURE THAT LIGHTS AND SIGNS ARE WORKING PROPERLY.
17. COORDINATE COMPLETION OF THE CURRENT PHASE AND INTENTIONS TO BEGIN THE NEXT PHASE AND REPEAT THE PROCESS.

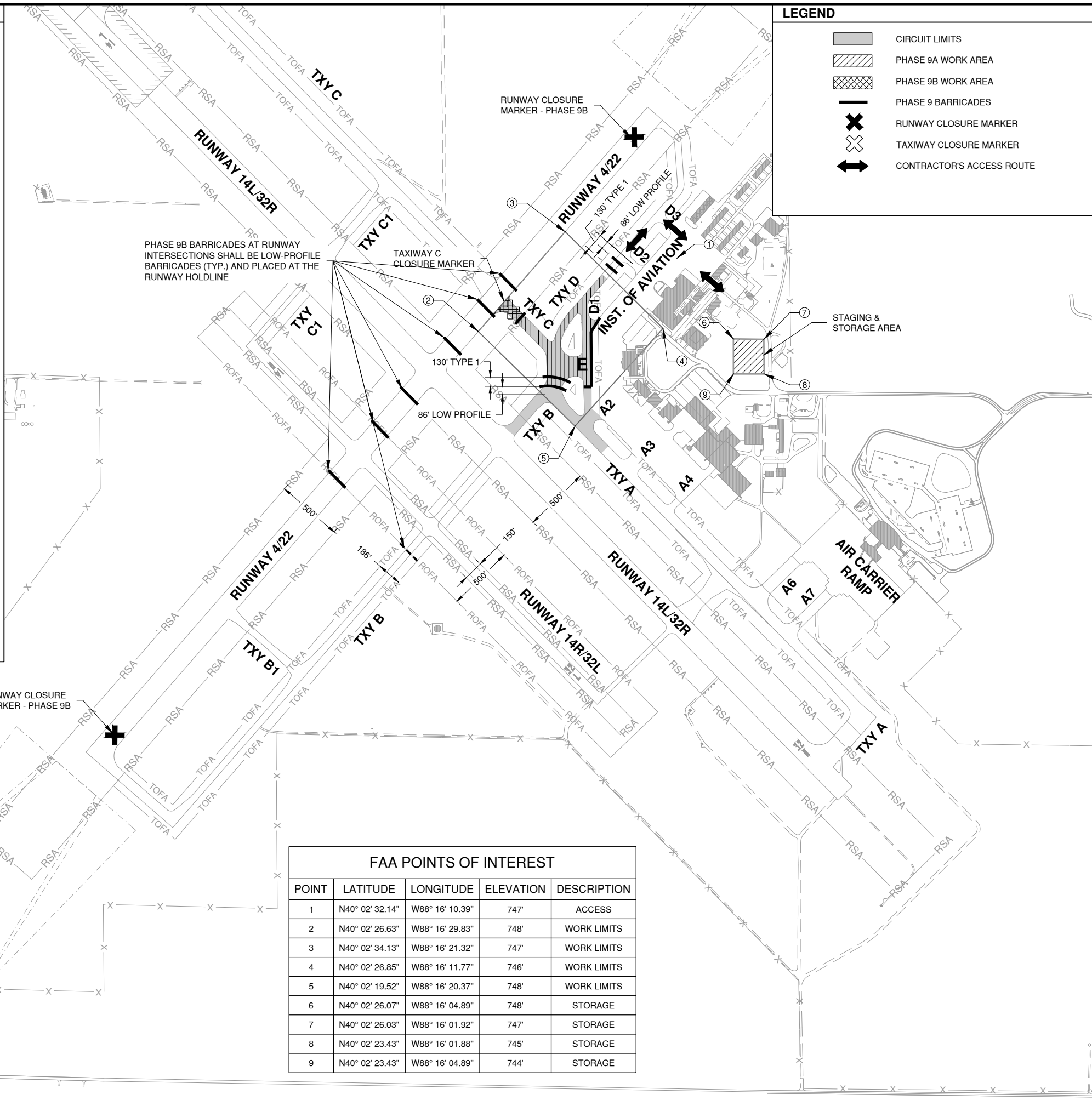
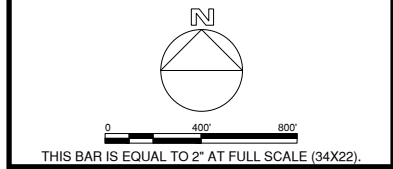
**LEGEND**

-  CIRCUIT LIMITS
-  PHASE 9A WORK AREA
-  PHASE 9B WORK AREA
-  PHASE 9 BARRICADES
-  RUNWAY CLOSURE MARKER
-  TAXIWAY CLOSURE MARKER
-  CONTRACTOR'S ACCESS ROUTE



License No. 184-000613

CONSULTANTS



PHASE 9B BARRICADES AT RUNWAY INTERSECTIONS SHALL BE LOW-PROFILE BARRICADES (TYP.) AND PLACED AT THE RUNWAY HOLDLINE

FAA POINTS OF INTEREST				
POINT	LATITUDE	LONGITUDE	ELEVATION	DESCRIPTION
1	N40° 02' 32.14"	W88° 16' 10.39"	747'	ACCESS
2	N40° 02' 26.63"	W88° 16' 29.83"	748'	WORK LIMITS
3	N40° 02' 34.13"	W88° 16' 21.32"	747'	WORK LIMITS
4	N40° 02' 26.85"	W88° 16' 11.77"	746'	WORK LIMITS
5	N40° 02' 19.52"	W88° 16' 20.37"	748'	WORK LIMITS
6	N40° 02' 26.07"	W88° 16' 04.89"	748'	STORAGE
7	N40° 02' 26.03"	W88° 16' 01.92"	747'	STORAGE
8	N40° 02' 23.43"	W88° 16' 01.88"	745'	STORAGE
9	N40° 02' 23.43"	W88° 16' 04.89"	744'	STORAGE

JUNE 5, 2019

**INSTALL TAXIWAY LIGHTING & SIGNAGE**

OWNER



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION
AIP PROJ. NO. 3-17-0016-TBD		UNXXX
IL PROJ. NO. CMI-4693		
CMT PROJECT NO: 180059-02-00		
CAD DWG FILE: 18005902-GC109.DWG		
DESIGNED BY: EMH		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: CBG		
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**CONSTRUCTION ACTIVITY PLAN 9**

Path: K:\Champaign\A018005902-00\Draw\Sheets\18005902-GC109.dwg  
Date: Monday, July 8, 2019 4:50:52 PM

**PHASING SEQUENCE**

1. PHASE 10B SHALL BE CONCURRENT WITH PHASE 1B AND 9B WITH THE APPROVAL AND CONSTRUCTION OF ADDITIVE ALTERNATE #1.
2. AIRPORT ISSUES NOTAM FOR CLOSED PAVEMENT, FOLLOWING 72-HOUR NOTICE GIVEN BY THE CONTRACTOR.
3. CONTRACTOR PLACES BARRICADES & CLOSURE MARKINGS.
4. PRIOR TO CLOSING PAVEMENTS AS NOTED ON THIS DRAWING, THE CONTRACTOR SHALL PLACE THE TRAFFIC CONTROL DEVICES AS SHOWN ON THIS DRAWING AND AS REQUIRED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL DEVICES AS LONG AS THEY ARE IN PLACE.
5. AIRCRAFT TRAFFIC AND CONTRACTOR VEHICULAR TRAFFIC WILL INTERSECT IN THIS PHASE AT THE RAMP AND TAXIWAY D. CONTRACTOR SHALL CONTACT TOWER AND YIELD RIGHT-OF-WAY TO AIRCRAFT.
6. PRIOR TO OPENING THE WORK LIMITS TO AIRCRAFT TRAFFIC, THE CONTRACTOR SHALL REQUEST THE AIRPORT TO PERFORM AN INSPECTION.
7. LOCATE TAXIWAY CIRCUIT TO BE IMPROVED AND JUMPER AROUND CURRENT PHASE. USE EXISTING SPARE REGULATORS AS OUTLINED IN THE EXISTING VAULT EQUIPMENT PLAN TO PROVIDE TEMPORARY POWER TO PORTIONS OF THE TAXIWAY CIRCUIT TO PROVIDE CONTINUOUS POWER TO THOSE AREAS OUTSIDE OF THE CURRENT PHASE.
8. LOCATE UTILITIES WITHIN THE PHASE INCLUDING BUT NOT LIMITED TO THE FAA CABLES, AIRPORT HOMERUNS AND EXISTING UNDERGROUND DRAINAGE.
9. VERIFY THAT THE TAXIWAY LIGHTING CIRCUITS ON EITHER SIDE OF THE CURRENT PHASE ARE POWERED.
10. SURVEY AND RECORD THE LOCATION OF THE EXISTING SIGNS. REMOVE EXISTING LIGHTS AND SIGNS.
11. LAYOUT NEW TAXIWAY LIGHT, TAXIWAY GUIDANCE SIGNS, CABLE AND EX. DUCT LOCATIONS.
12. INSTALL CABLE & TAXIWAY LIGHTS AND TAXIWAY GUIDANCE SIGNS.
13. COORDINATE WITH THE AIRPORT THROUGH THE RESIDENT ENGINEER A MINIMUM 72 HOURS PRIOR TO BEGINNING WORK WITHIN THE RUNWAY SAFETY AREA.
14. PLACE RUNWAY CLOSURE MARKERS AT THE BEGINNING OF EACH WORKING DAY. BEGIN WORKING WITHIN THE RUNWAY SAFETY AREA.
15. WORK AREAS WITHIN THE RUNWAY SAFETY AREA SHALL HAVE NO OPEN TRENCHES, NO EQUIPMENT, NO MATERIALS AND MEET THE APPROVAL OF THE RESIDENT ENGINEER PRIOR TO REOPENING THE RUNWAY.
16. COMPLETE ALL WORK WITHIN THE PHASE LIMITS AND TEST ALL INSTALLED EQUIPMENT TO ENSURE THAT LIGHTS AND SIGNS ARE WORKING PROPERLY.
17. COORDINATE COMPLETION OF THE CURRENT PHASE AND INTENTIONS TO BEGIN THE NEXT PHASE AND REPEAT THE PROCESS.

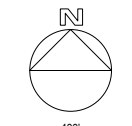
**LEGEND**

- CIRCUIT LIMITS
- PHASE 10A WORK AREA
- PHASE 10B WORK AREA
- PHASE 10 BARRICADES
- RUNWAY CLOSURE MARKER
- TAXIWAY CLOSURE MARKER
- CONTRACTOR'S ACCESS ROUTE

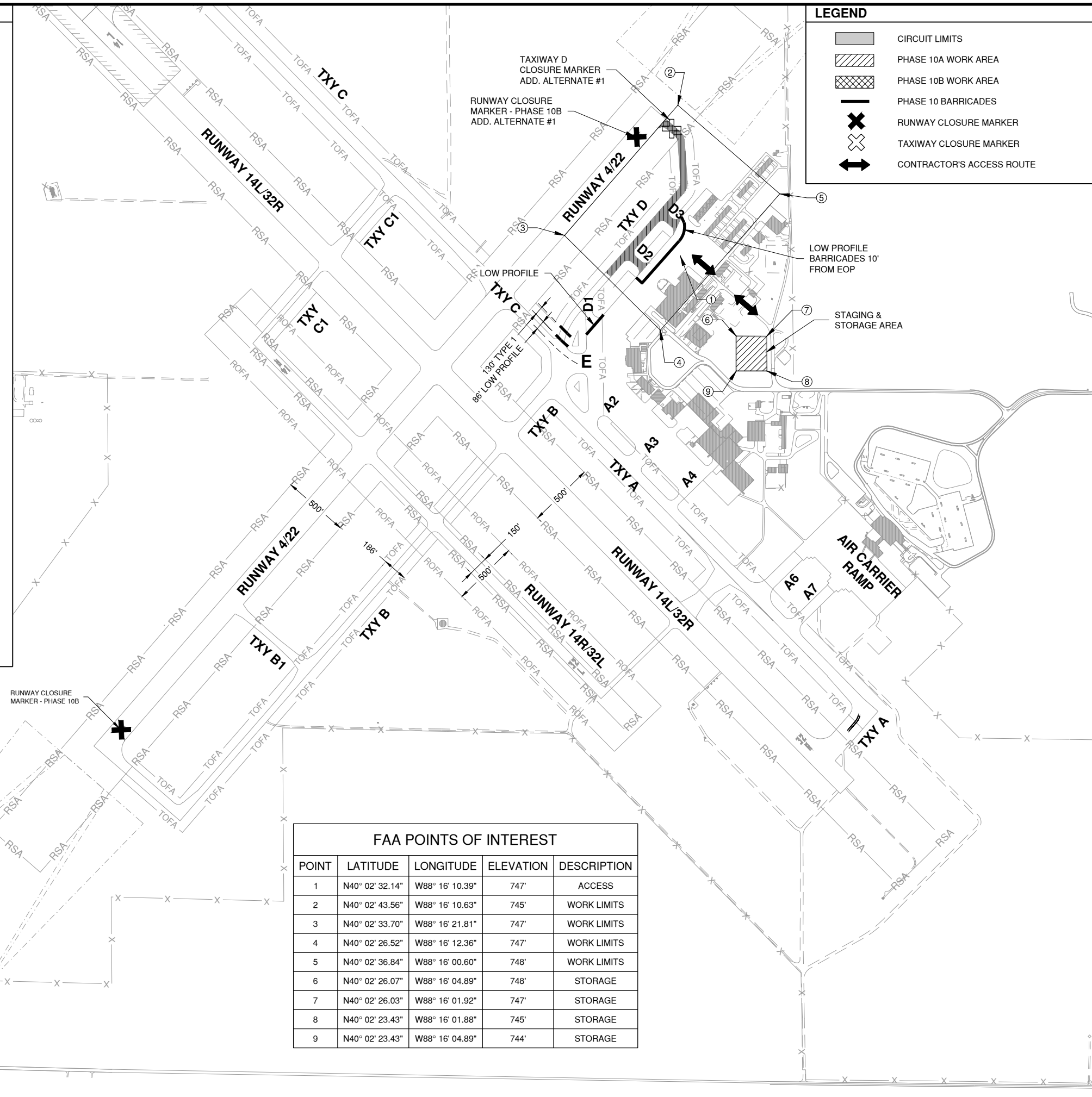


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CONSULTANTS



THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).



FAA POINTS OF INTEREST				
POINT	LATITUDE	LONGITUDE	ELEVATION	DESCRIPTION
1	N40° 02' 32.14"	W88° 16' 10.39"	747'	ACCESS
2	N40° 02' 43.56"	W88° 16' 10.63"	745'	WORK LIMITS
3	N40° 02' 33.70"	W88° 16' 21.81"	747'	WORK LIMITS
4	N40° 02' 26.52"	W88° 16' 12.36"	747'	WORK LIMITS
5	N40° 02' 36.84"	W88° 16' 00.60"	748'	WORK LIMITS
6	N40° 02' 26.07"	W88° 16' 04.89"	748'	STORAGE
7	N40° 02' 26.03"	W88° 16' 01.92"	747'	STORAGE
8	N40° 02' 23.43"	W88° 16' 01.88"	745'	STORAGE
9	N40° 02' 23.43"	W88° 16' 04.89"	744'	STORAGE

JUNE 5, 2019

**INSTALL TAXIWAY LIGHTING & SIGNAGE**

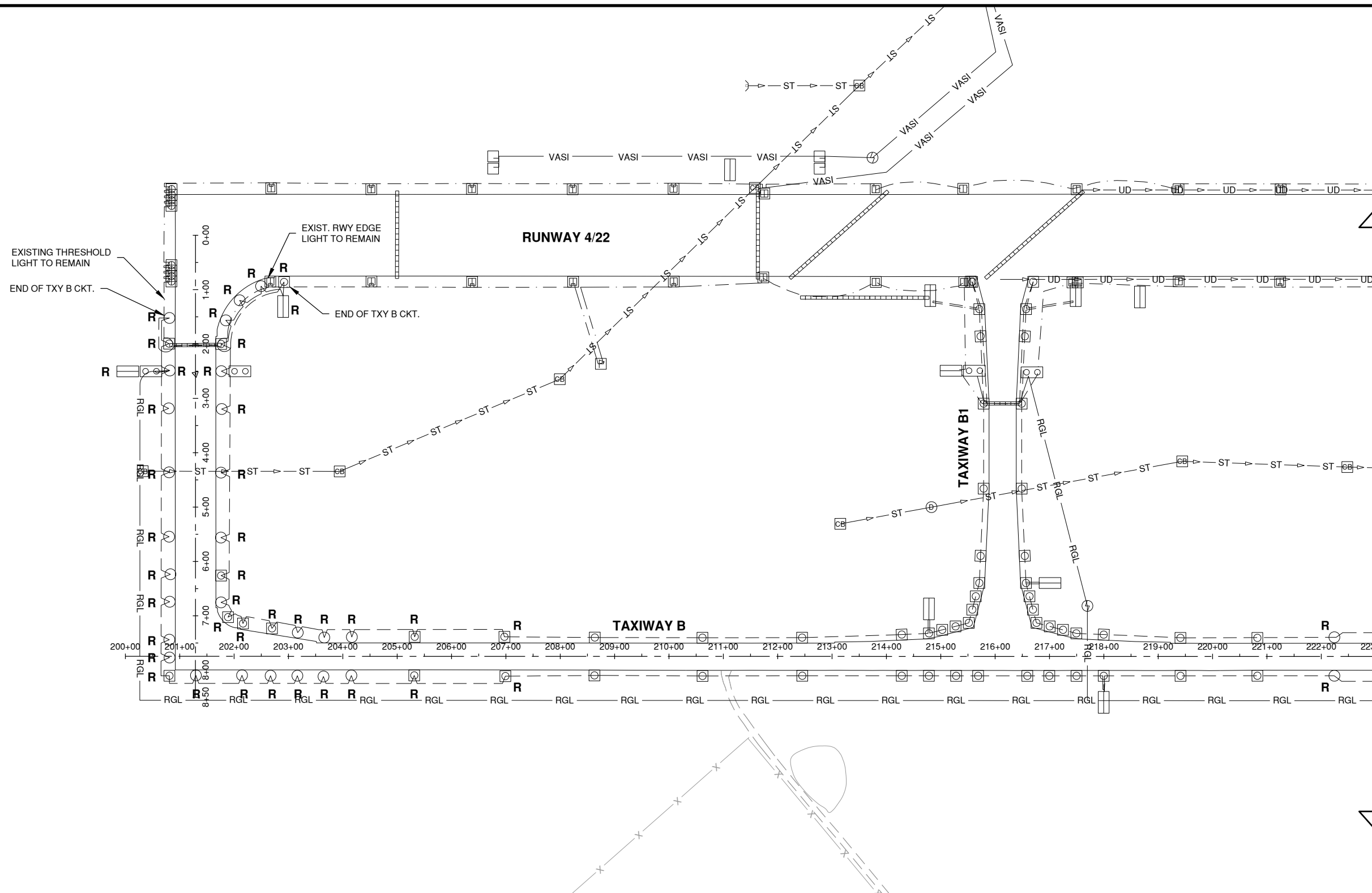
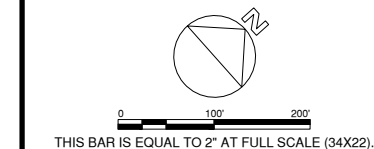


UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION
AIP PROJ. NO. 3-17-0016-TBD		UNXXX
IL PROJ. NO. CMI-4693		
CMT PROJECT NO: 180059-02-00		
CAD DWG FILE: 18005902-GC110.DWG		
DESIGNED BY: EMH		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: CBG		
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**CONSTRUCTION  
ACTIVITY PLAN 10 -  
ADD. ALT. 1**

Path: K:\Champaign\A018005902-00\Draw\Sheets\18005902-GC110.dwg  
Date: Monday, July 8, 2019 4:51:01 PM



SEE SHEET CD102

JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-CD101.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: CBG

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SHEET TITLE

**EXISTING  
CONDITIONS &  
REMOVALS 1**

CD101  
SHEET 16 OF 47

**UTILITY DISCLAIMER**

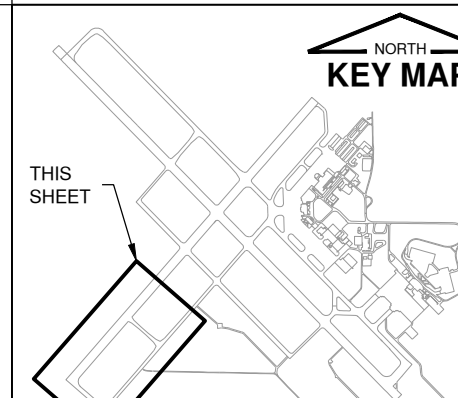
THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER, NOR THE PROJECT ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY AND FAA OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, THE OWNER, AND THE RESIDENT ENGINEER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE OWNER AND THE ENGINEER.

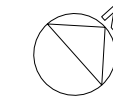
**NOTES**

1. LOCATION, NUMBER, & TYPE OF LIGHT HAVE BEEN TAKEN FROM RECORD DRAWINGS. ACTUAL LOCATION, NUMBER, & TYPE OF LIGHT MAY VARY.
2. NO DISTINCTION HAS BEEN MADE BETWEEN STAKE AND BASE MOUNTED LIGHTS FOR THE PURPOSE OF PAYMENT.
3. REMOVAL OF SIGN BASES NOTED WITH AN "A" SHALL REQUIRE ADDITIONAL GRADING TO ENSURE SLOPES AROUND THE SIGNS ARE NO GREATER THAN 5%.

**KEYMAP**







THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-CD102.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: CBG

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SHEET TITLE

**EXISTING  
CONDITIONS &  
REMOVALS 2**

CD102  
SHEET 17 OF 47

SEE SHEET CD101

SEE SHEET CD103

SEE SHEET CD104

**UTILITY DISCLAIMER**

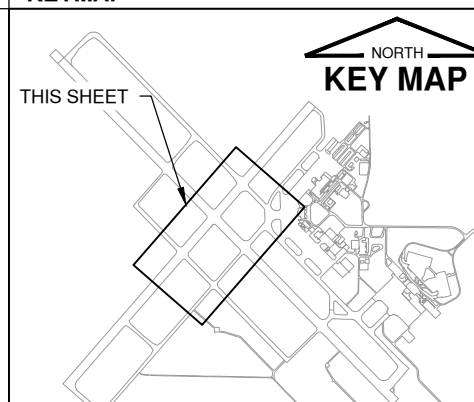
THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER, NOR THE PROJECT ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION.

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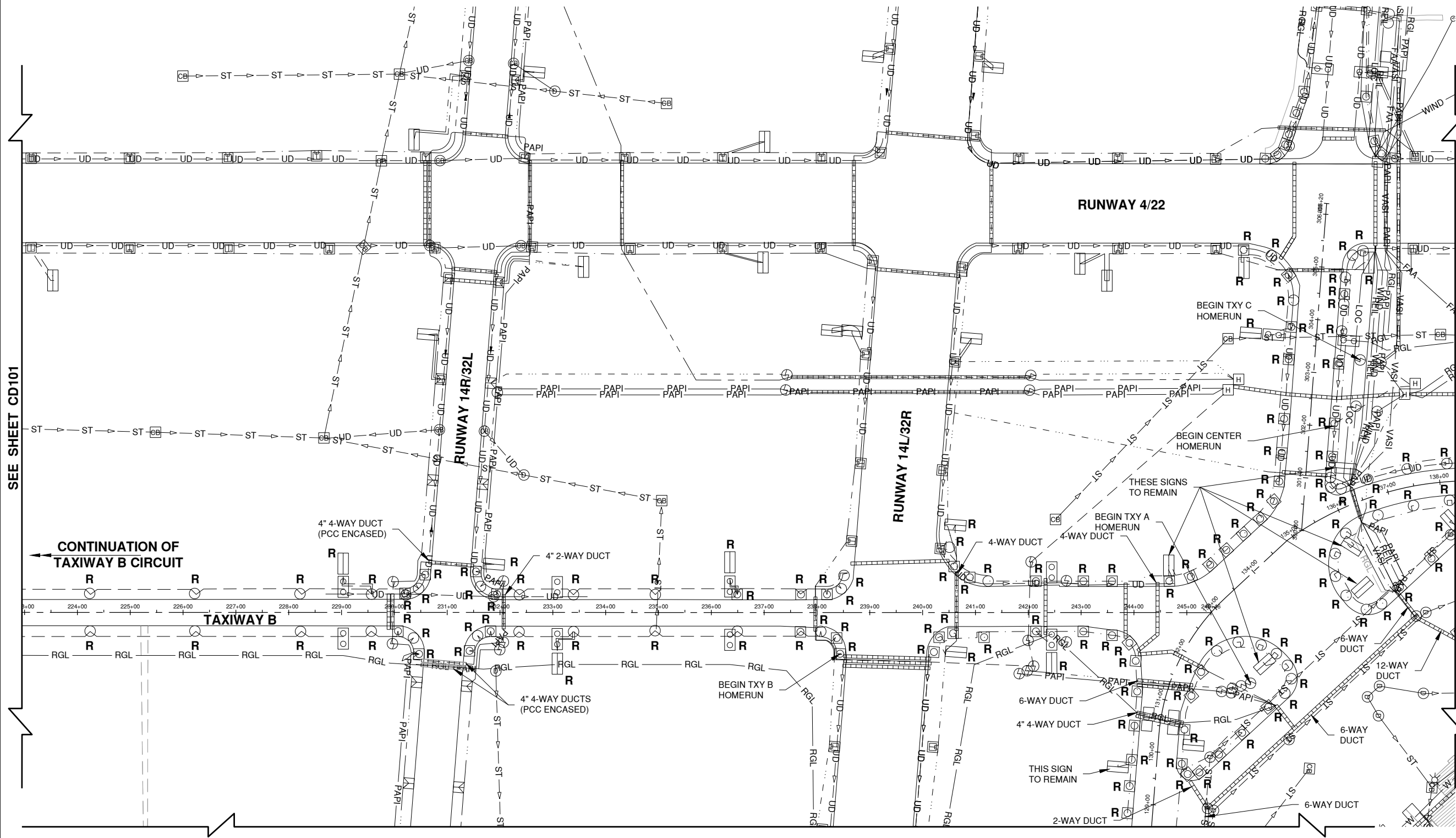
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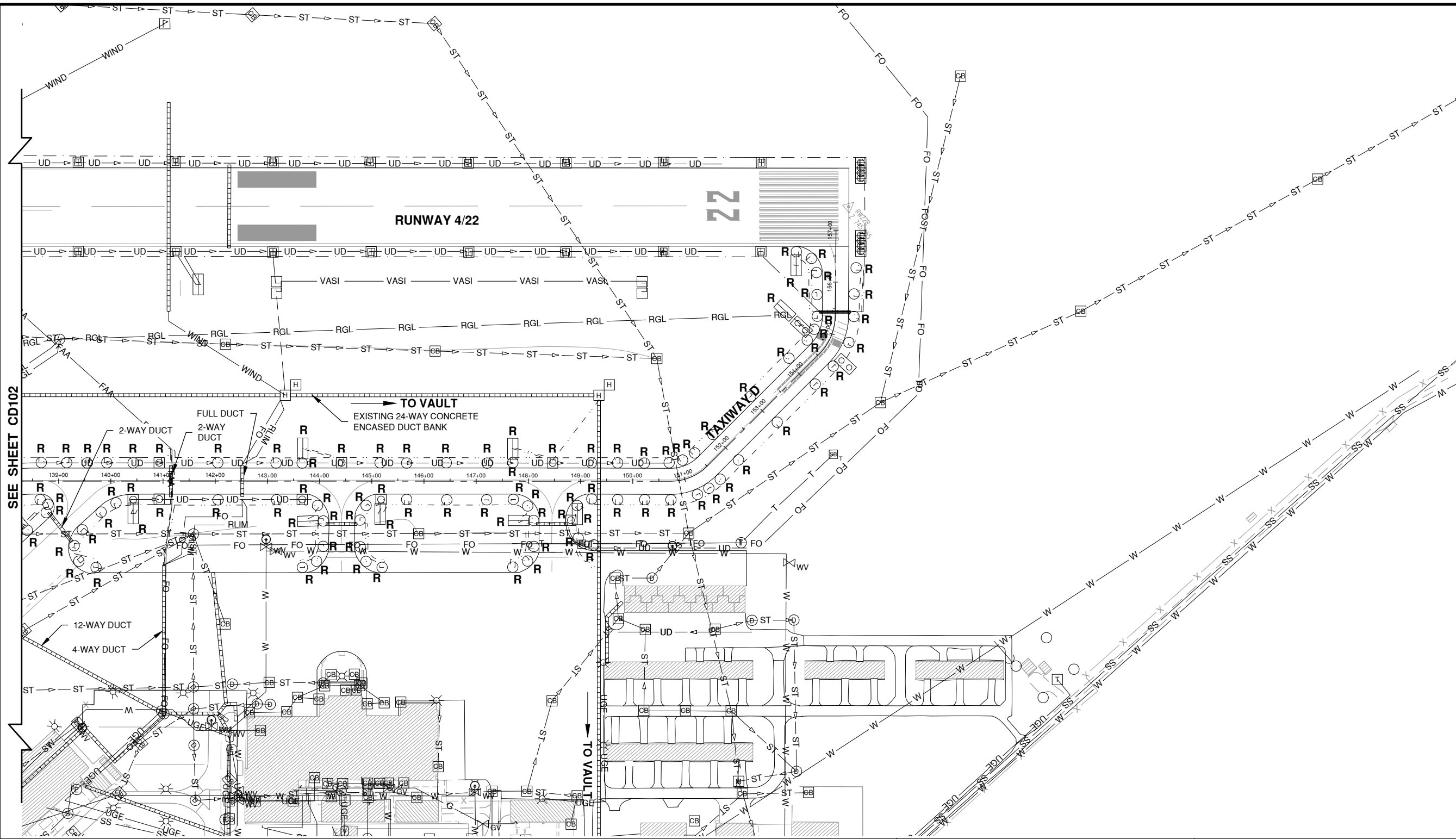
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**KEYMAP**



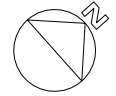
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THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

SEE SHEET CD102

JUNE 5, 2019

**INSTALL TAXIWAY LIGHTING &  
SIGNAGE**  
ADDITIVE ALTERNATE #1



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

**ADDITIVE ALTERNATE #1**

1. EXISTING UTILITIES SHOWN IN THIS AREA FOR TAXIWAY D SHALL ONLY IMPACT ADDITIVE ALTERNATE #1.

**UTILITY DISCLAIMER**

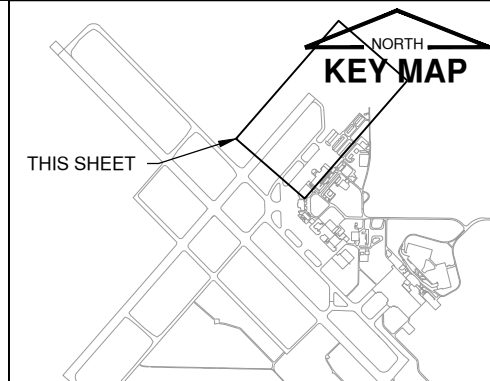
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**NOTES**

1. LOCATION, NUMBER, & TYPE OF LIGHT HAVE BEEN TAKEN FROM RECORD DRAWINGS. ACTUAL LOCATION, NUMBER, & TYPE OF LIGHT MAY VARY.
2. THE WORK SHOWN ON THIS SHEET IS PART OF THE BASE BID AND ADDITIVE ALTERNATE #1.

**KEYMAP**



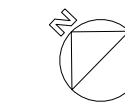
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IL PROJ. NO. CMI-4693		
CMT PROJECT NO: 180059-02-00		
CAD DWG FILE: 18005902-CD103.DWG		
DESIGNED BY: EMH		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: CBG		
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SHEET TITLE  
**EXISTING  
CONDITIONS &  
REMOVALS 3**



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0 100' 200'

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JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK | DATE | DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-CD104.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJD

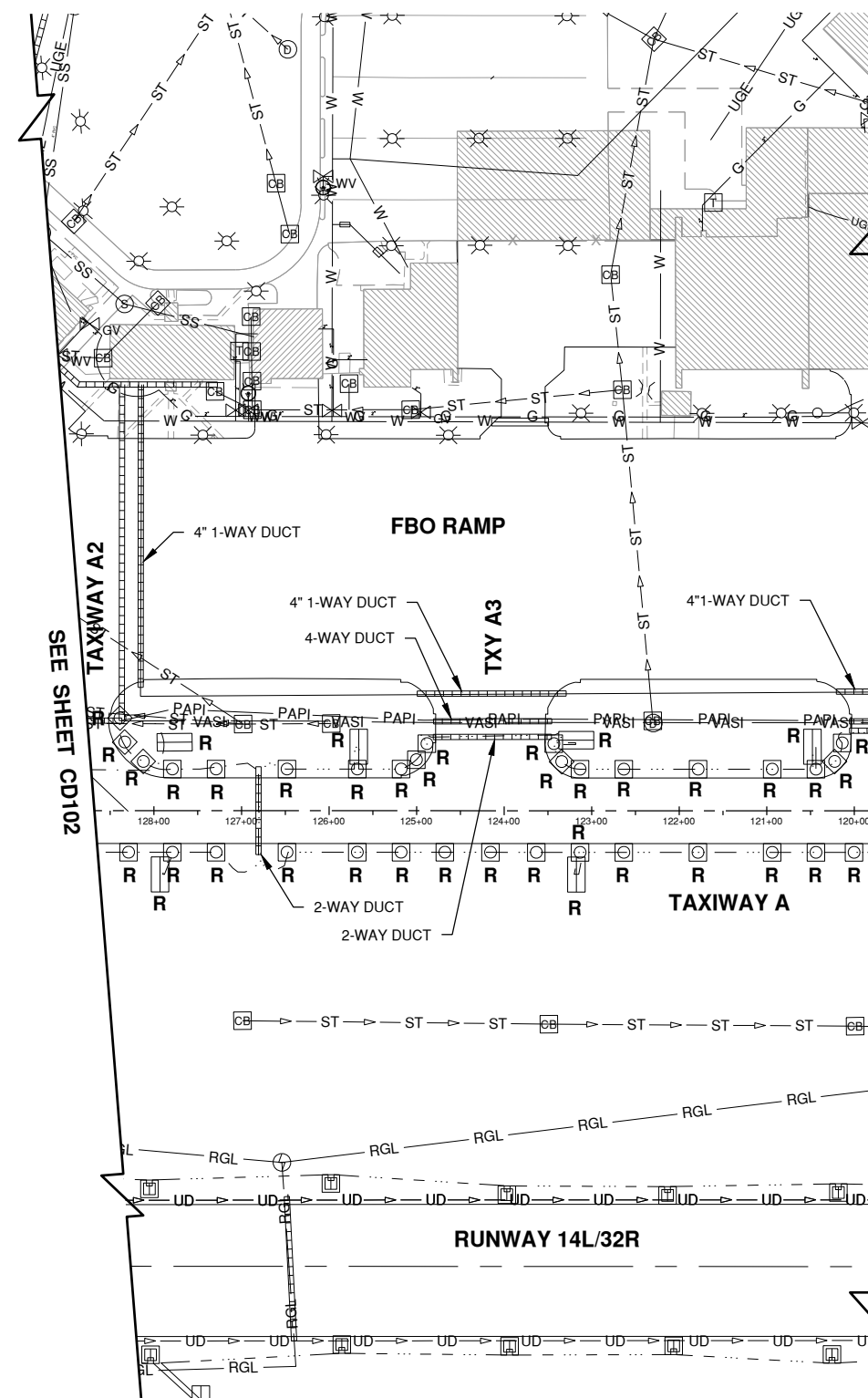
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SHEET TITLE

EXISTING  
CONDITIONS &  
REMOVALS 4

CD104  
SHEET 19 OF 47



SEE SHEET CD102

SEE SHEET CD105

UTILITY DISCLAIMER

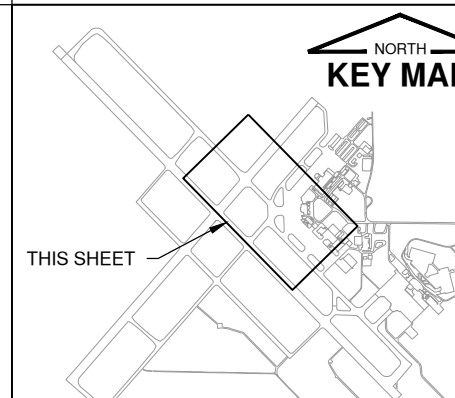
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NOTES

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KEYMAP





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JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-CD105.DWG

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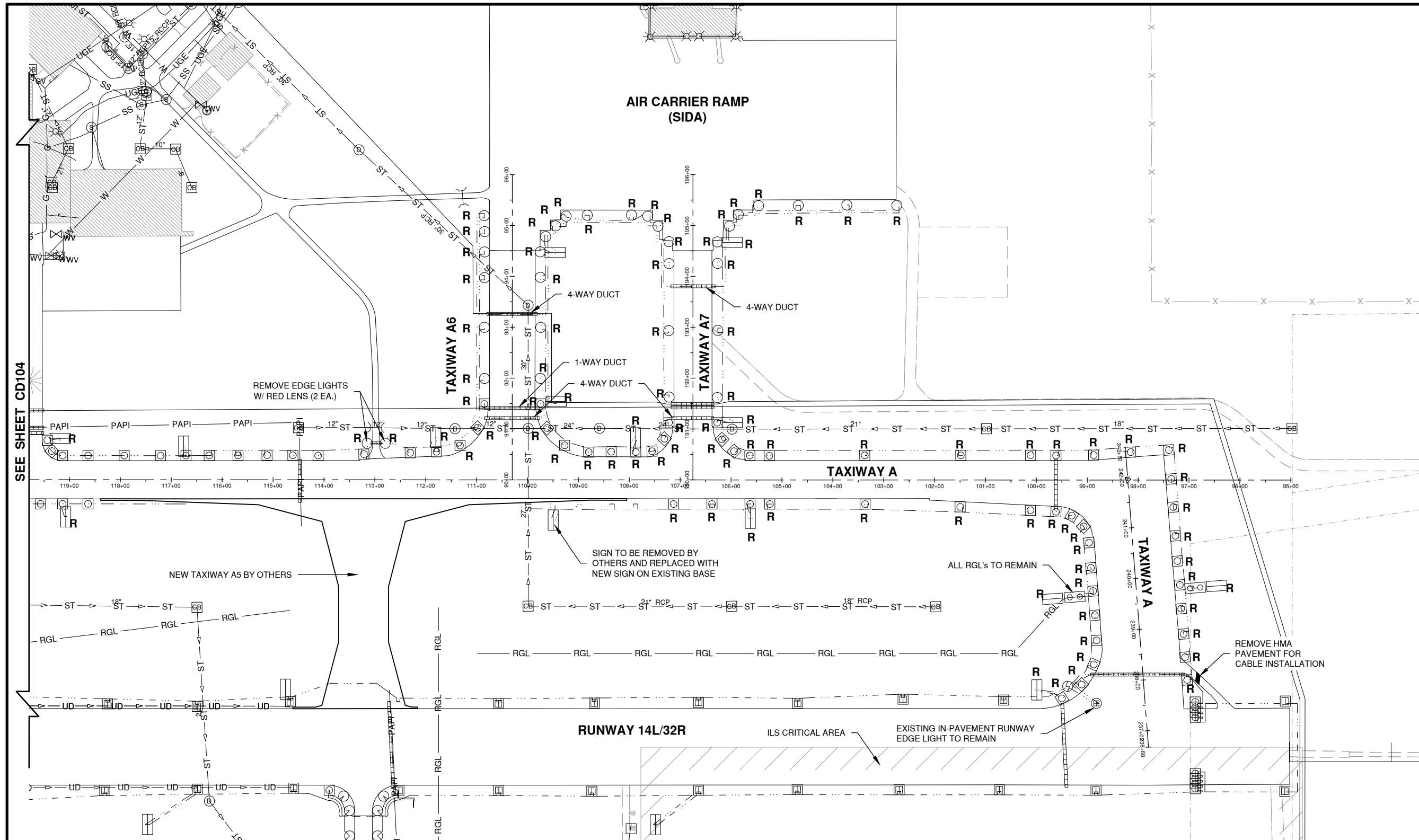
SHEET TITLE

EXISTING CONDITIONS & REMOVALS 5

CD105

SHEET 20 OF 47

AIR CARRIER RAMP (SIDA)



SEE SHEET CD104

UTILITY DISCLAIMER

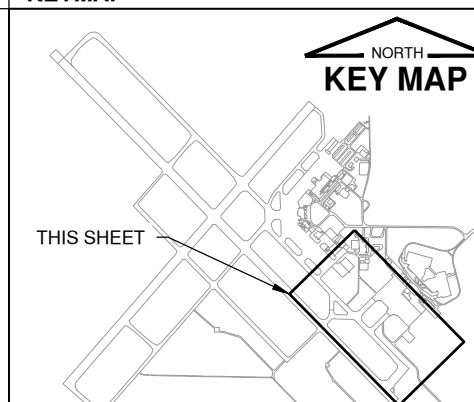
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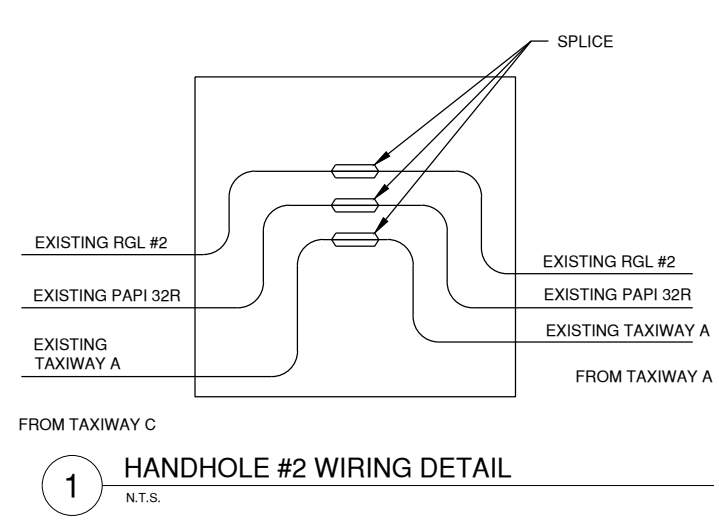
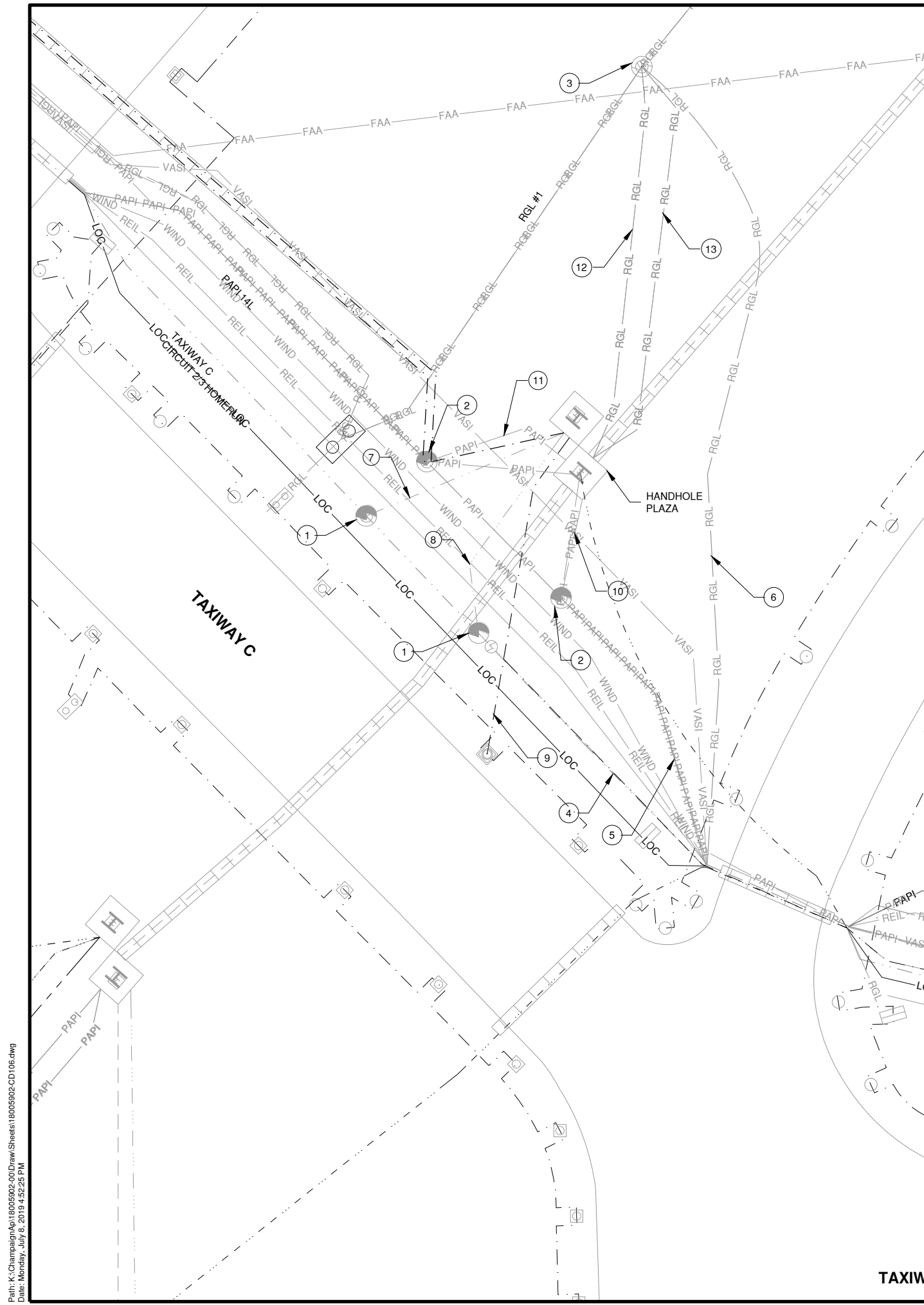
NOTES

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KEYMAP



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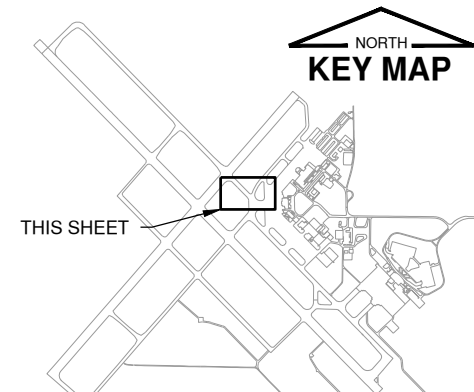
**KEYED NOTES**

- EXISTING #8, 5KV, L-824, TYPE C CABLES (HOMERUN) TO EXISTING VAULT.
- EXISTING PAPI POWER CABLES FROM EXISTING SPLICE CAN TO EXISTING VAULT.
- EXISTING RGL POWER IN SPLICE CAN.
- EXISTING TAXIWAY A CIRCUIT 4/5 CABLES. (SEE HANDHOLE #2 WIRING DETAIL).
- EXISTING PAPI 32R HOMERUN CABLES. (SEE HANDHOLE #2 WIRING DETAIL).
- EXISTING RGL #2 HOMERUN CABLES. (SEE HANDHOLE #2 WIRING DETAIL).
- EXISTING TAXIWAY C CIRCUIT 2/3 HOMERUN. TWO #8, 5KV, L-824, TYPE C, IN 2" PVC CONDUIT.
- EXISTING TAXIWAY A CIRCUIT 4/5 HOMERUN. TWO #8, 5KV, L-824, TYPE C, IN 2" PVC CONDUIT.
- EXISTING CENTER 1 CIRCUIT HOMERUN. TWO #8, 5KV, L-824, TYPE C, IN 2" PVC CONDUIT.
- EXISTING PAPI 32R HOMERUN. TWO #4, 600V, TYPE USE, ONE #8 GND IN 2" PVC CONDUIT.
- EXISTING 14L HOMERUN. TWO #4, 600V, TYPE USE, ONE #8 GND IN 2" PVC CONDUIT.
- EXISTING RGL #1 HOMERUN. TWO #4, 600V, TYPE USE, ONE #8 GND IN 2" PVC CONDUIT.
- EXISTING RGL #2 HOMERUN. TWO #4, 600V, TYPE USE, ONE #8 GND IN 2" PVC CONDUIT.

**NOTES:**

- ALL CABLING & ELECTRICAL STRUCTURES ON THIS SHEET ARE EXISTING AND SHOWN FOR INFORMATION PURPOSES ONLY.

**KEYMAP**



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CONSULTANTS

THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

JUNE 5, 2019

**INSTALL TAXIWAY LIGHTING & SIGNAGE**

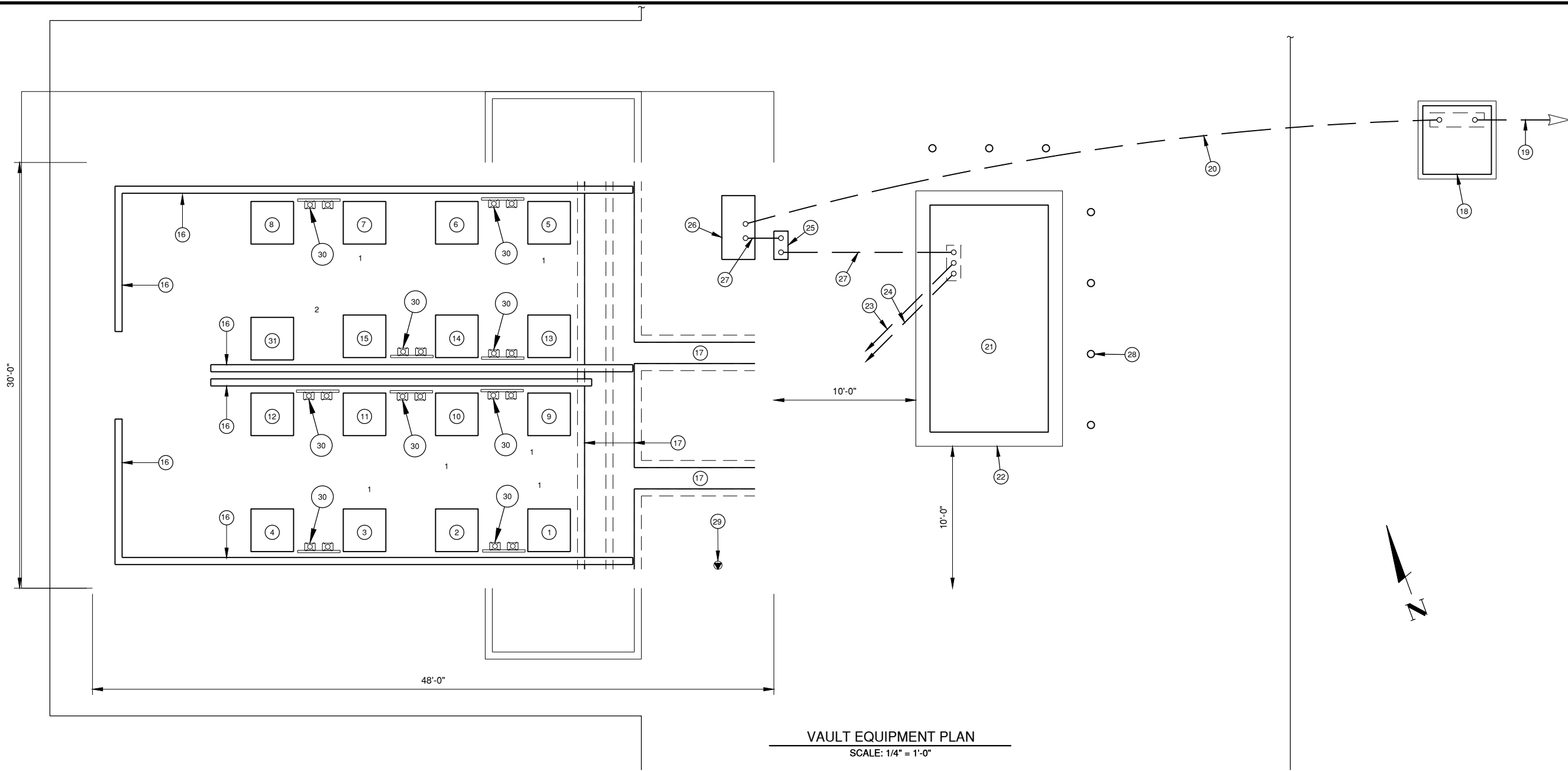
OWNER

UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

**EXISTING HOMERUN & HANDHOLE PLAZA**

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 Date: Monday, July 8, 2019 4:52:25 PM



**VAULT EQUIPMENT PLAN**

SCALE: 1/4" = 1'-0"

**NOTES**

- 1 RUNWAY 14L/32R REGULATOR (CKT. R2), L-829, 50 KW, 480V INPUT, 5-STEP 20A OUTPUT. 480V POWER WIRING: TWO #2/0 THWN, ONE #6 GROUND. PROVIDE ENGRAVED NAMEPLATE READING "RWY 14L/32R".
- 2 "SPARE" REGULATOR #1, 50 KW, 480V INPUT, 5-STEP 20A OUTPUT. 480V POWER WIRING: TWO #2/0 THWN, ONE #6 GROUND. (SPARE REGULATOR FOR RUNWAY 14L/32R.) PROVIDE ENGRAVED NAMEPLATE READING "SPARE #1".
- 3 RUNWAY 14R/32L REGULATOR (CKT. R4), L-829, 15 KW, 480V INPUT, 3-STEP 6.6A OUTPUT. 480V POWER WIRING: TWO #8 THWN, ONE #10 GROUND. PROVIDE ENGRAVED NAMEPLATE READING "RWY 14R/32L".
- 4 "SPARE" REGULATOR #2, 15 KW, 240V INPUT, 3-STEP 6.6A OUTPUT. 240V POWER WIRING: TWO #3 THWN, ONE #8 GROUND. (SPARE REGULATOR FOR RUNWAY 14R/32L.) PROVIDE ENGRAVED NAMEPLATE READING "SPARE #2".
- 5 RUNWAY 18/36 REGULATOR (CKT. R1), L-829, 10 KW, 480V INPUT, 3-STEP 6.6A OUTPUT. 480V POWER WIRING: TWO #8 THWN, ONE #10 GROUND. PROVIDE ENGRAVED NAMEPLATE READING "RWY 18/36".
- 6 "SPARE" REGULATOR #3, 15 KW, 240V INPUT, 3-STEP 6.6A OUTPUT. 240V POWER WIRING: TWO #3 THWN, ONE #8 GROUND. (SPARE REGULATOR FOR RUNWAY 18/36.) PROVIDE ENGRAVED NAMEPLATE READING "SPARE #3".
- 7 RUNWAY 4/22 REGULATOR (CKT. R3), L-829, 10 KW, 480V INPUT, 5-STEP 6.6A OUTPUT. 480V POWER WIRING: TWO #8 THWN, ONE #10 GROUND.
- 8 "SPARE" REGULATOR #4, 10 KW, 240V INPUT, 5-STEP 6.6A OUTPUT. 240V POWER WIRING: TWO #4 THWN, ONE #8 GROUND. (SPARE REGULATOR FOR RUNWAY 4/22.) PROVIDE ENGRAVED NAMEPLATE READING "SPARE #4".
- 9 TAXIWAY B (SW) REGULATOR (CKT. T7), L-829, 20 KW, 480V INPUT, 3-STEP 6.6A OUTPUT. 480V POWER WIRING: TWO #4 THWN, ONE #8 GROUND. PROVIDE ENGRAVED NAMEPLATE READING "TXY B (SW)".
- 10 "SPARE" REGULATOR #5, 20 KW, 240V INPUT, 3-STEP 6.6A OUTPUT. 240V POWER WIRING: TWO #1/0 THWN, ONE #6 GROUND. (SPARE REGULATOR FOR TAXIWAY B, TAXIWAY C AND TAXIWAY A.) PROVIDE ENGRAVED NAMEPLATE READING "SPARE #5".
- 11 TAXIWAY C (NW) REGULATOR (CKT. T2/3), L-829, 15 KW, 480V INPUT, 3-STEP 6.6A OUTPUT. 480V POWER WIRING: TWO #8 THWN, ONE #10 GROUND. PROVIDE ENGRAVED NAMEPLATE READING "TXY C (NW)".
- 12 TAXIWAY A (SE) REGULATOR (CKT. T4/5), L-829, 15 KW, 480V INPUT, 3-STEP 6.6A OUTPUT. 480V POWER WIRING: TWO #8 THWN, ONE #10 GROUND. PROVIDE ENGRAVED NAMEPLATE READING "TXY A (SE)".
- 13 CENTER TAXIWAY REGULATOR (CKT. T1), L-829, 10 KW, 480V INPUT, 3-STEP 6.6A OUTPUT. 480V POWER WIRING: TWO #8 THWN, ONE #10 GROUND. PROVIDE ENGRAVED NAMEPLATE READING "CENTER TXY".
- 14 "SPARE" REGULATOR #6, 15 KW, 240V INPUT, 3-STEP 6.6A OUTPUT. 240V POWER WIRING: TWO #4 THWN, ONE #8 GROUND. (SPARE REGULATOR FOR BOTH CENTER TAXIWAY & TAXIWAY D.) PROVIDE ENGRAVED NAMEPLATE READING "SPARE #6".
- 15 TAXIWAY D (NE) REGULATOR (CKT. T8), L-829, 10 KW, 480V INPUT, 3-STEP 6.6A OUTPUT. 480V POWER WIRING: TWO #8 THWN, ONE #10 GROUND. PROVIDE ENGRAVED NAMEPLATE READING "TXY D (NE)".
- 16 HIGH VOLTAGE AND LOW VOLTAGE 6"x6" NEMA 1 HINGED COVER WIREWAYS, TWO DOWN THE MIDDLE AND TWO ALONG EACH WALL.
- 17 IN-FLOOR CABLE TRENCH WITH REMOVABLE COVER.
- 18 300 KVA PAD MOUNT TRANSFORMER 4160V 3-PHASE PRIMARY, 277Y/480V, 3-PHASE, 4-WIRE SECONDARY, FURNISHED BY ELECTRICAL CONTRACTOR AND INSTALLED ON CONCRETE PAD INSTALLED BY UNIVERSITY FORCES.
- 19 4160V PRIMARY WIRING AND CONDUIT INSTALLED BY UNIVERSITY FORCES.
- 20 TWO 4" SCHEDULE 40 PVC CONDUITS, EACH WITH THREE 350 MCM 600V THWN, ONE 350 MCM NEUTRAL.
- 21 250KW/300KVA, 277Y/480V, 3-PHASE, 4-WIRE STANDBY GENERATOR WITH 600A MAIN CIRCUIT BREAKER, IN WEATHERPROOF HOUSING, WITH 300 GALLON (NOMINAL) BASE-MOUNTED FUEL TANK (24 HOURS CAPACITY AT 3/4 LOAD).
- 22 CONCRETE PAD FOR STANDBY GENERATOR, EXTENDING 1'-0" PAST GENERATOR BASE ON ALL SIDES. CONCRETE PAD THICKNESS SHALL BE AS REQUIRED BY GENERATOR MANUFACTURER, WITH MINIMUM OF SIX 12" DIAMETER BY 48" DEEP FROST LEGS. ELECTRICAL CONTRACTOR SHALL PROVIDE A DRAWING OF CONCRETE PAD WITH GENERATOR SUBMITTAL.
- 23 WIRING AS REQUIRED TO L-890 SYSTEM DCMU UNIT IN VAULT IN 1" GRS CONDUIT.
- 24 #14 THWN CONDUCTORS AS REQUIRED IN 1" GRS CONDUIT TO NFPA 110 ANNUNCIATOR PANEL IN VAULT.
- 25 600A, 3P, 600V UNFUSED DISCONNECT IN NEMA 3R ENCLOSURE. MOUNT TO VAULT WALL VIA STRUT-TYPE FRAMING. PROVIDE ENGRAVED NAMEPLATE READING "STANDBY GENERATOR DISCONNECT".
- 26 SERVICE ENTRANCE AUTOMATIC TRANSFER SWITCH, 600A, 277Y/480V, 3P, 4W IN NEMA 1 ENCLOSURE.
- 27 TWO 4" GRS CONDUITS, EACH WITH THREE 350 MCM 600V THWN, ONE 350 MCM NEUTRAL, ONE #1/0 GROUND.
- 28 6" BOLLARDS, MIN. 48" ABOVE PAVEMENT, PAINTED YELLOW (TYP.).
- 29 TELEPHONE RJ-11 JACK. ELECTRICAL CONTRACTOR SHALL INSTALL CONDUIT AND WIRING INSIDE AND OUTSIDE VAULT AS REQUIRED BY PHONE COMPANY TO PROVIDE PHONE SERVICE TO VAULT.
- 30 LOCATION OF REGULATOR CIRCUIT INDICATING LIGHT & GROUND FAULT INDICATING LIGHT MOUNTING PANEL. SEE SHEET 54 AND SECTION "A" ON SHEET 57 FOR ADDITIONAL INFORMATION. THE FOLLOWING INDICATING LIGHTS WILL BE REQUIRED:
  - NINE GROUND FAULT INDICATION EDGE LIGHTS WITH WHITE GLOBES - SEVEN L-861 MEDIUM INTENSITY (2 RUNWAY AND 5 TAXIWAY CIRCUITS), AND TWO L-862 HIGH INTENSITY (2 RUNWAY CIRCUITS).
  - FOUR RUNWAY REGULATOR OUTPUT INDICATION EDGE LIGHTS WITH AMBER/WHITE GLOBES - TWO L-861 MEDIUM INTENSITY, AND TWO L-862 HIGH INTENSITY.
  - FIVE TAXIWAY REGULATOR OUTPUT INDICATION EDGE LIGHTS WITH BLUE GLOBES, ALL L-861 MEDIUM INTENSITY.
- 31 "SPARE" REGULATOR #7, 10 KW, 240V INPUT, 3-STEP 6.6A OUTPUT. 240V POWER WIRING: TWO #4 THWN, ONE #8 GROUND. PROVIDE ENGRAVED NAMEPLATE READING "SPARE #7".

**FOR INFORMATION ONLY**



License No. 184-000613  
CONSULTANTS

JUNE 5, 2019

**INSTALL TAXIWAY LIGHTING & SIGNAGE**

OWNER

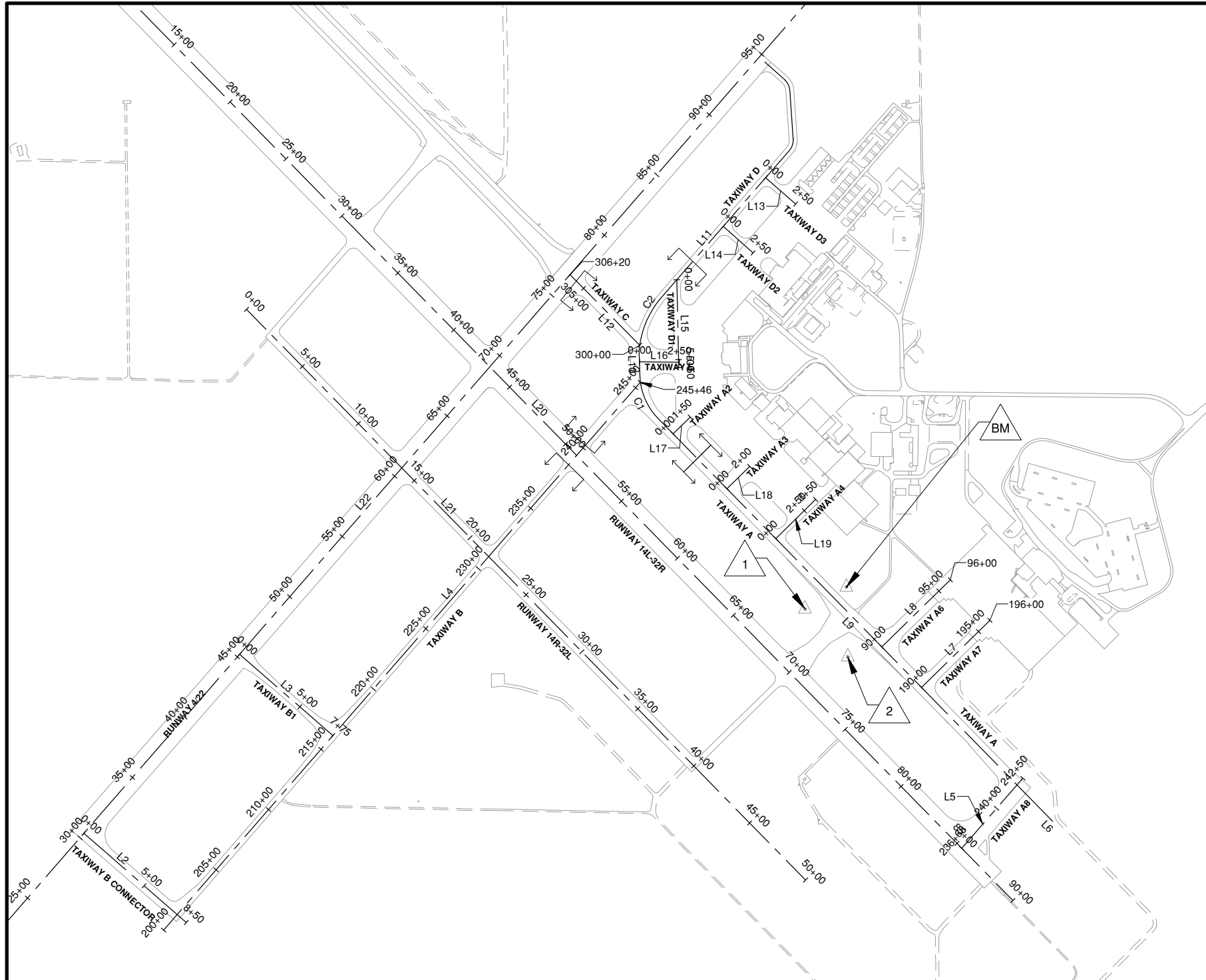


**UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS**

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD	<b>UNXXX</b>
IL PROJ. NO. CMI-4693	
CMT PROJECT NO: 180059-02-00	
CAD DWG FILE: 18005902-CD107.DWG	
DESIGNED BY: EMH	
DRAWN BY: DPA	
CHECKED BY: MJD	
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**SHEET TITLE**  
**EXISTING VAULT  
EQUIPMENT PLAN**

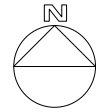


ALIGNMENT DATA				
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L16	TAXIWAY E	STA. 0+00.00	N:1228484.4362 E:1001173.0326	STA. 2+50.00
L22	RUNWAY 4/22	STA. 0+00.00	N:1223242.6974 E:995701.6282	STA. 115+00.17
L5	TAXIWAY A8	STA. 236+67.61	N:1225439.4700 E:1003190.3900	STA. 242+50.00
L6	TAXIWAY D	STA. 95+00.00	N:1225607.1715 E:1003761.0538	STA. 98+20.55
L9	TAXIWAY D	STA. 98+20.55	N:1225836.1500 E:1003536.7300	STA. 130+31.23
C1	TAXIWAY D	CENTER STA. 131+87.18	PI N:1228241.0394 PI E:1001180.7318	R = 400.012
L10	TAXIWAY D	STA. 133+28.63	N:1228396.9145 E:1001175.8008	STA. 134+88.03
C2	TAXIWAY D	CENTER STA. 136+63.95	PI N:1228731.4395 PI E:1001186.5680	R = 592.072
L11	TAXIWAY D	STA. 138+30.04	N:1228869.5921 E:1001295.4841	STA. 150+72.33
L8	TAXIWAY A6	STA. 90+00.00	N:1226700.1375 E:1002690.3058	STA. 96+00.00
L7	TAXIWAY A7	STA. 190+00.00	N:1226446.4923 E:1002938.7948	STA. 196+00.00
L4	TAXIWAY B	STA. 200+00.00	N:1224927.8078 E:998194.8003	STA. 245+45.82
L2	TAXIWAY B CONNECTOR	STA. 2+55.01	N:1225366.1183 E:997887.5415	STA. 8+50.00
L3	TAXIWAY B1	STA. 0+00.00	N:1226653.5893 E:998669.9515	STA. 7+74.54
L12	TAXIWAY C	STA. 300+00.00	N:1228588.2258 E:1001174.5287	STA. 306+20.48
L14	TAXIWAY D2	STA. 0+00.00	N:1229332.3463 E:1001698.2765	STA. 2+50.00
L13	TAXIWAY D3	STA. 0+00.00	N:1229636.0767 E:1001962.6508	STA. 2+50.00
L15	TAXIWAY D1	STA. 0+00.00	N:1228997.7939 E:1001407.0740	STA. 5+50.00
L20	RUNWAY 14L/32R	STA. 0+00.00	N:1231539.6805 E:997210.1851	STA. 90+00.00
L21	RUNWAY 14R/32L	STA. 0+00.00	N:1228812.1875 E:998713.4401	STA. 50+00.00
L17	TAXIWAY A2	STA. 0+00.00	N:1228033.5140 E:1001384.0346	STA. 1+50.00
L18	TAXIWAY A3	STA. 0+00.00	N:1227689.9533 E:1001720.6113	STA. 2+00.00



License No. 184-000613

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0 300' 600'

THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

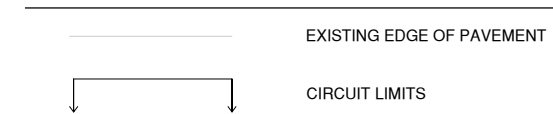
OWNER



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
bm	1227075.020	1002468.613	742.17	IRON PIN
1	1226937.722	1002209.148	742.96	IRON PIN
2	1226638.078	1002476.944	742.41	IRON PIN

LEGEND

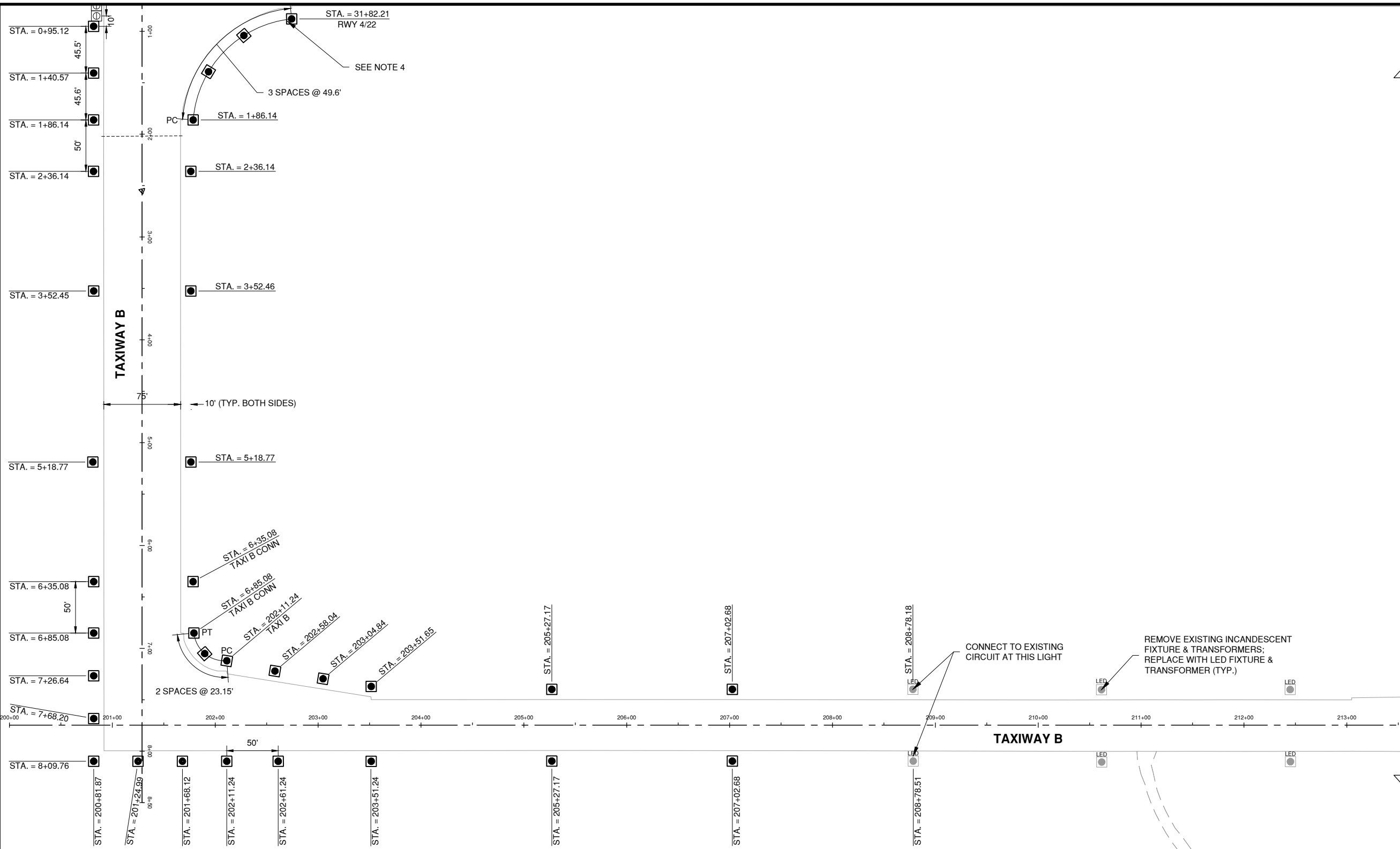


MARK | DATE | DESCRIPTION

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IL PROJ. NO. CMI-4693	
CMT PROJECT NO: 180059-02-00	
CAD DWG FILE: 18005902-CD108.DWG	
DESIGNED BY: EMH	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: CBG	
COPYRIGHT:	

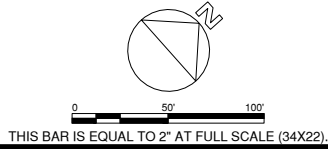
SHEET TITLE  
**CONTROL & BASELINE  
INFORMATION**

CD108  
SHEET 23 OF 47



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JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

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SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD	UNXXX
IL PROJ. NO. CMI-4693	
CMT PROJECT NO: 180059-02-00	
CAD DWG FILE: 18005902-EL101.DWG	
DESIGNED BY: EMH	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: CBG	
COPYRIGHT:	

SHEET TITLE  
**PROPOSED LIGHT PLAN A**

EL101  
SHEET 24 OF 47

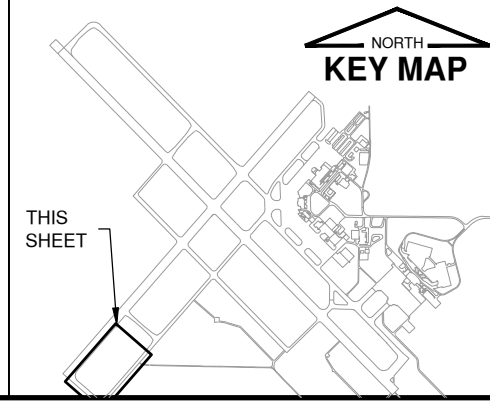
**LEGEND**

- NEW TAXIWAY EDGE LIGHT - BASE MOUNTED
- EXIST. TAXIWAY EDGE LIGHT - BASE MOUNTED

**NOTES**

1. LIGHT LOCATION SHALL BE NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE PARALLEL TO THE TXY CENTERLINE.
2. THE LOCATION OF THE P.T. AND THE P.C. HAVE BEEN TAKEN FROM RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY LAYOUT OF LIGHTS PRIOR TO INSTALLING.
3. LIGHTS SHALL BE INSTALLED IN A STRAIGHT LINE FROM THE P.T. OR P.C. OR TAPER POINT.
4. LIGHTS SHALL BE EVENLY SPACED FROM PT TO PT. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY & WILL VARY FROM ACTUAL FIELD GEOMETRY.

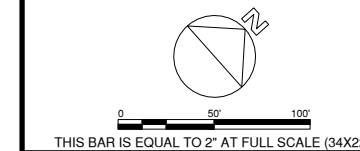
**KEYMAP**



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Date: Monday, July 8, 2019 4:53:03 PM







JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER



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SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-EL103.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: CBG

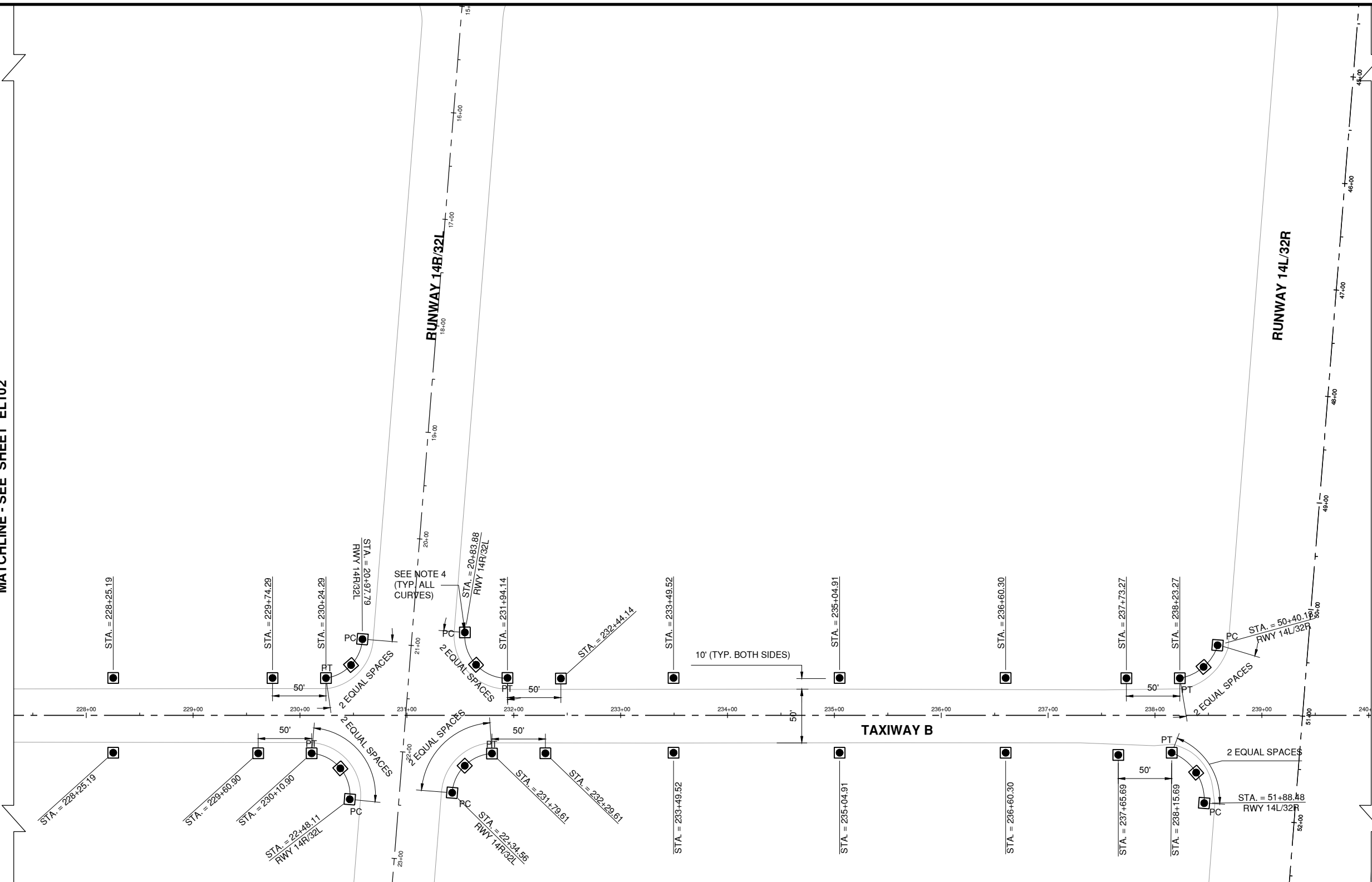
COPYRIGHT:

SHEET TITLE

PROPOSED LIGHT PLAN C

MATCHLINE - SEE SHEET EL102

MATCHLINE - SEE SHEET EL104



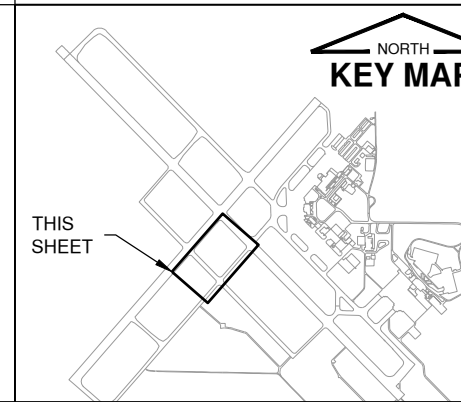
LEGEND

- NEW TAXIWAY EDGE LIGHT - BASE MOUNTED
- EXIST. TAXIWAY EDGE LIGHT - BASE MOUNTED

NOTES

1. LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE, IN A STRAIGHT LINE PARALLEL TO THE TXY CENTERLINE.
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4. LIGHTS SHALL BE EVENLY SPACED FROM PC TO PT. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY & WILL VARY FROM ACTUAL FIELD GEOMETRY.

KEYMAP



RUNWAY 4/22

INSET: STA. 239+50 - 242+07

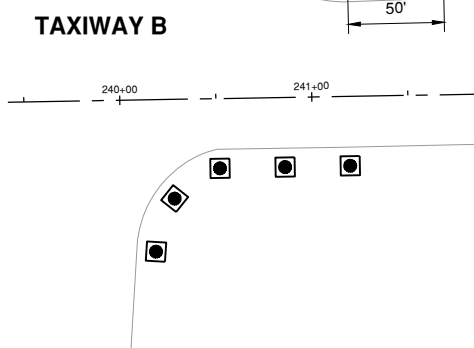


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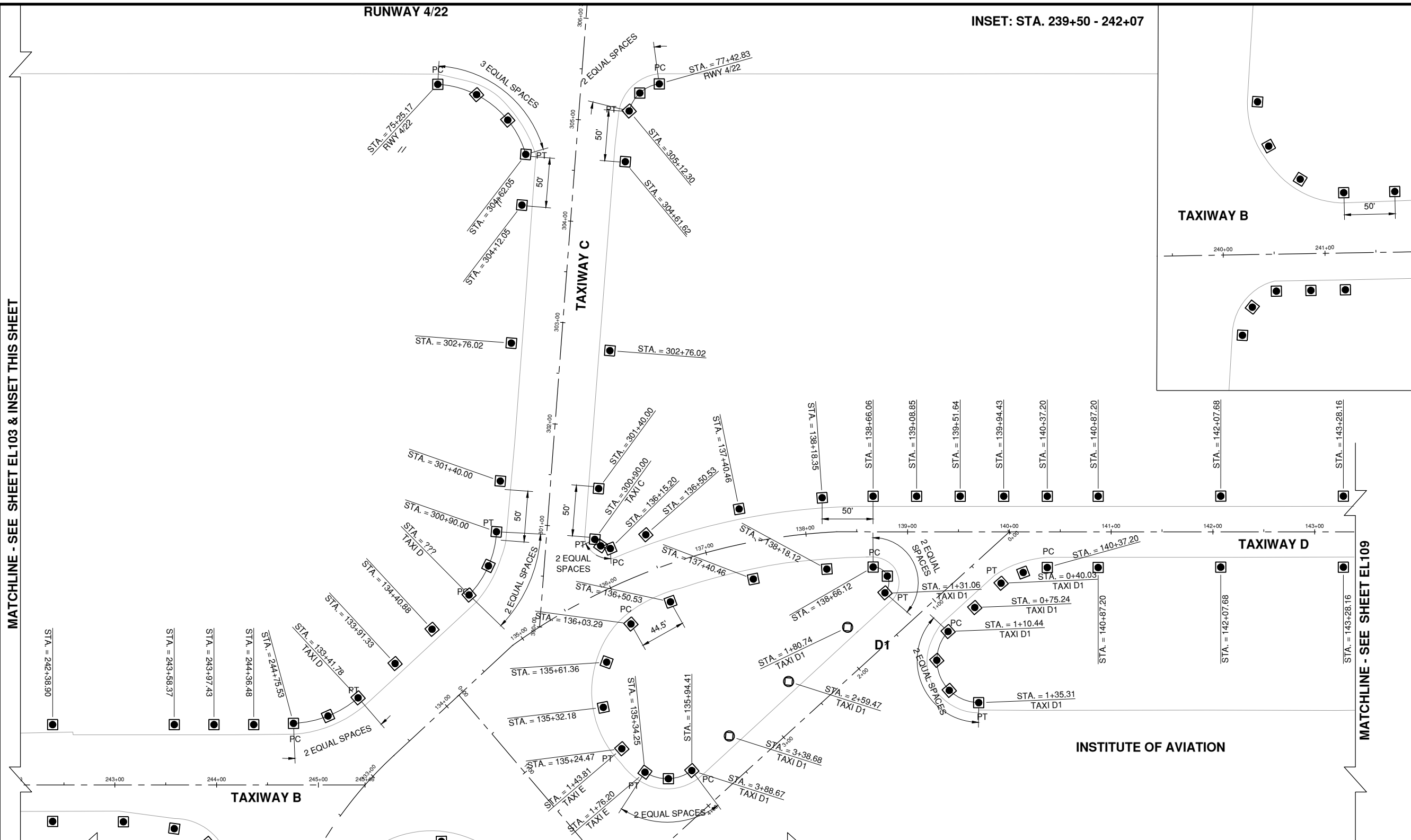
CONSULTANTS



THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).



MATCHLINE - SEE SHEET EL103 & INSET THIS SHEET



JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

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SAVOY, ILLINOIS

MARK | DATE | DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-EL104.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: CBG

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SHEET TITLE

PROPOSED LIGHT  
PLAN D

EL104

SHEET 27 OF 47

MATCHLINE - SEE SHEET EL105

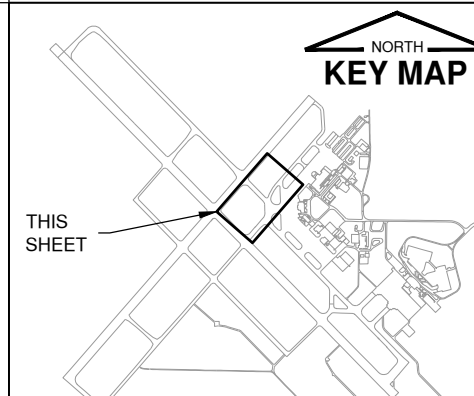
LEGEND

- NEW TAXIWAY EDGE LIGHT - BASE MOUNTED
- EXIST. TAXIWAY EDGE LIGHT - BASE MOUNTED
- NEW ELEVATED RETRO-REFLECTIVE MARKER

NOTES

1. LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE, IN A STRAIGHT LINE PARALLEL TO THE TXY CENTERLINE.
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KEYMAP

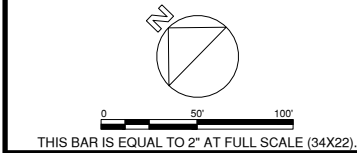


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INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER



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SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-EL105.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: CBG

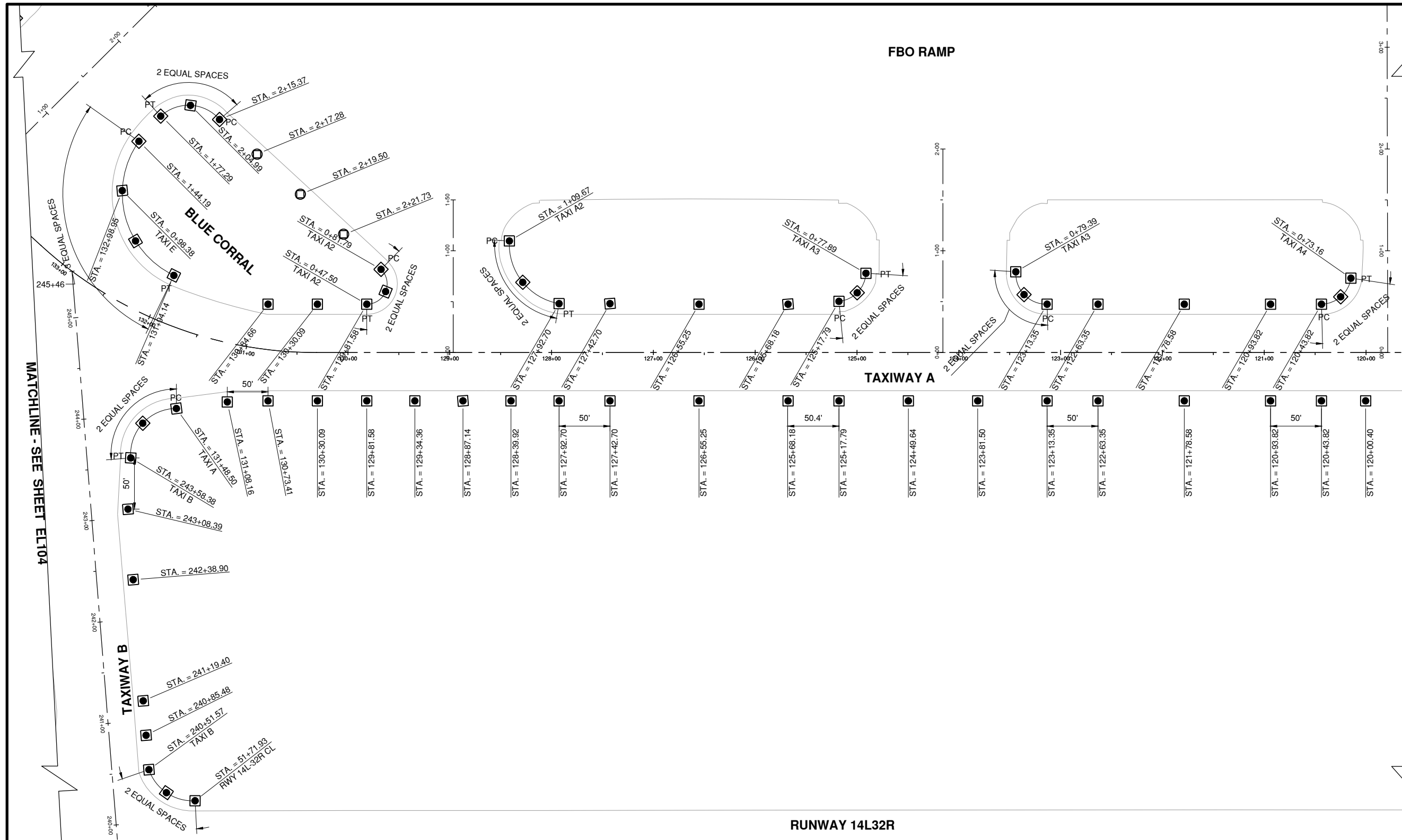
COPYRIGHT:

SHEET TITLE

PROPOSED LIGHT PLAN E

EL105

SHEET 28 OF 47



RUNWAY 14L32R

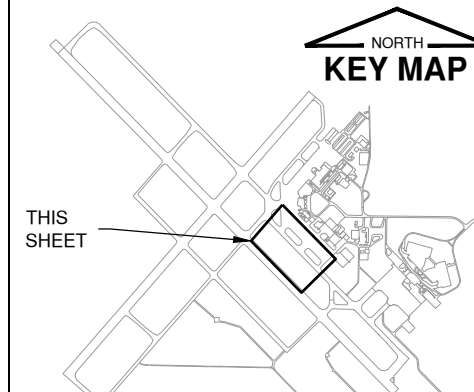
LEGEND

- NEW TAXIWAY EDGE LIGHT - BASE MOUNTED
- ◐ EXIST. TAXIWAY EDGE LIGHT - BASE MOUNTED
- ◊ NEW ELEVATED RETRO-REFLECTIVE MARKER

NOTES

1. LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE, IN A STRAIGHT LINE PARALLEL TO THE TAXY CENTERLINE.
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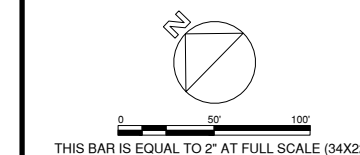
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JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

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SAVOY, ILLINOIS

MARK | DATE | DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-EL106.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJM

APPROVED BY: CBG

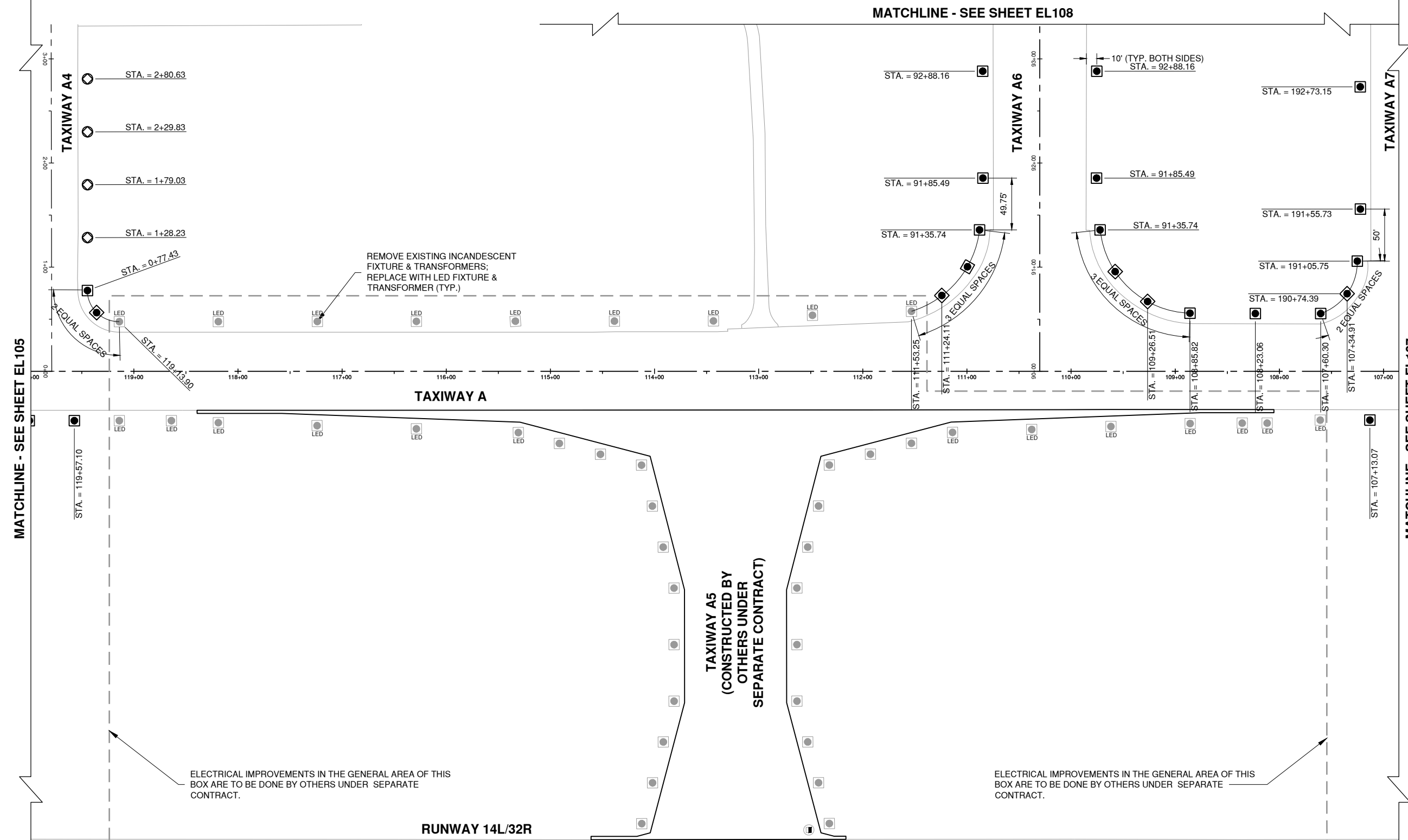
COPYRIGHT:

SHEET TITLE

PROPOSED LIGHT  
PLAN F

EL106  
SHEET 29 OF 47

MATCHLINE - SEE SHEET EL108



REMOVE EXISTING INCANDESCENT  
FIXTURE & TRANSFORMERS;  
REPLACE WITH LED FIXTURE &  
TRANSFORMER (TYP.)

TAXIWAY A5  
(CONSTRUCTED BY  
OTHERS UNDER  
SEPARATE CONTRACT)

ELECTRICAL IMPROVEMENTS IN THE GENERAL AREA OF THIS  
BOX ARE TO BE DONE BY OTHERS UNDER SEPARATE  
CONTRACT.

ELECTRICAL IMPROVEMENTS IN THE GENERAL AREA OF THIS  
BOX ARE TO BE DONE BY OTHERS UNDER SEPARATE  
CONTRACT.

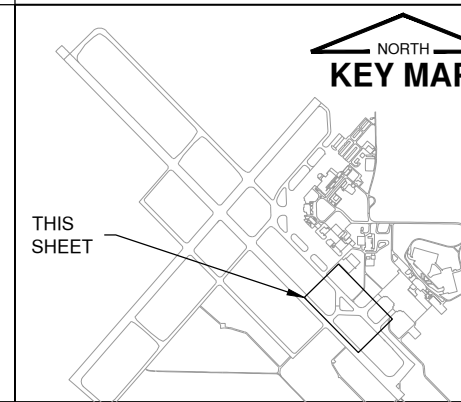
LEGEND

- NEW TAXIWAY EDGE LIGHT - BASE MOUNTED
- EXIST. TAXIWAY EDGE LIGHT - BASE MOUNTED

NOTES

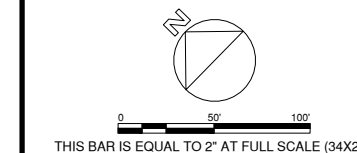
1. LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE, IN A STRAIGHT LINE PARALLEL TO THE TXY CENTERLINE.
2. THE LOCATION OF THE P.T. AND THE P.C. HAVE BEEN TAKEN FROM RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY LAYOUT OF LIGHTS PRIOR TO INSTALLING.
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4. LIGHTS SHALL BE EVENLY SPACED FROM PC TO PT. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY & WILL VARY FROM ACTUAL FIELD GEOMETRY.

KEYMAP



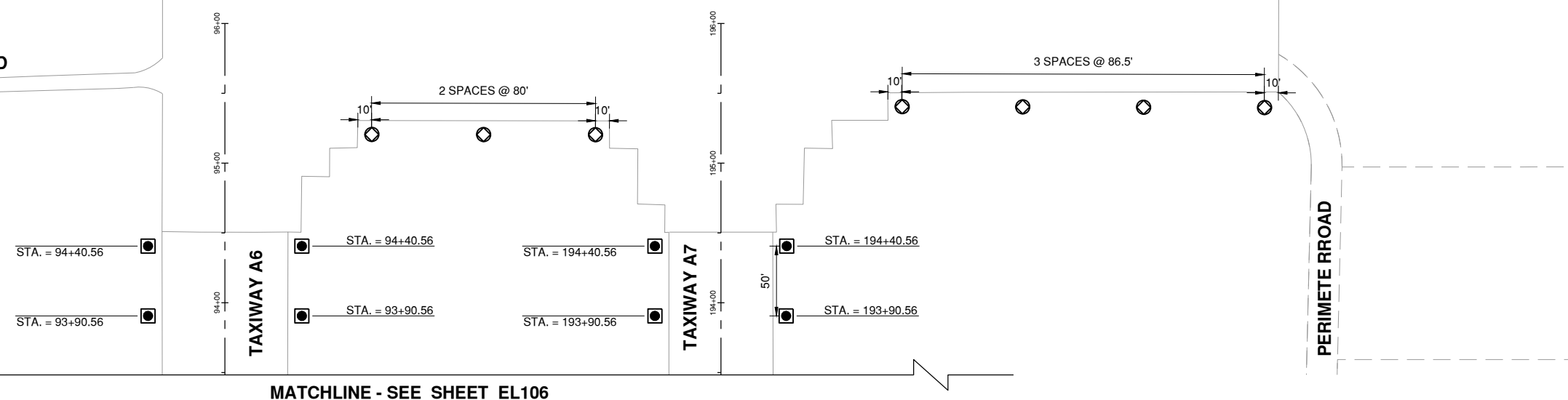
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**TERMINAL RAMP**

PERIMETER ROAD



JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER



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SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-EL108.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: CBG

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SHEET TITLE  
**PROPOSED LIGHT PLAN H**

EL108  
SHEET 31 OF 47

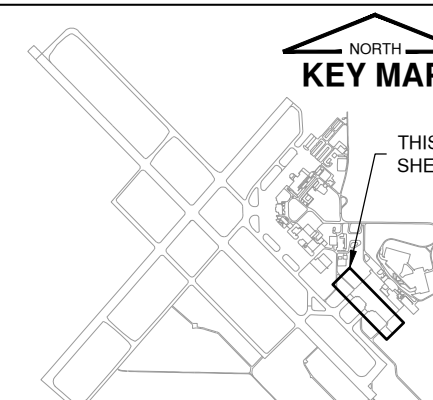
**LEGEND**

- NEW TAXIWAY EDGE LIGHT - BASE MOUNTED
- EXIST. TAXIWAY EDGE LIGHT - BASE MOUNTED
- ◊ NEW ELEVATED RETRO-REFLECTIVE MARKER

**NOTES**

1. LIGHT LOCATION SHALL BE NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE, IN A STRAIGHT LINE PARALLEL TO THE TXY CENTERLINE.
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3. LIGHTS SHALL BE INSTALLED IN A STRAIGHT LINE FROM THE P.T. OR P.C. OR TAPER POINT.
4. LIGHTS SHALL BE EVENLY SPACED FROM PC TO PT. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY & WILL VARY FROM ACTUAL FIELD GEOMETRY.

**KEYMAP**



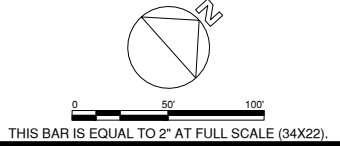




RUNWAY 4/22



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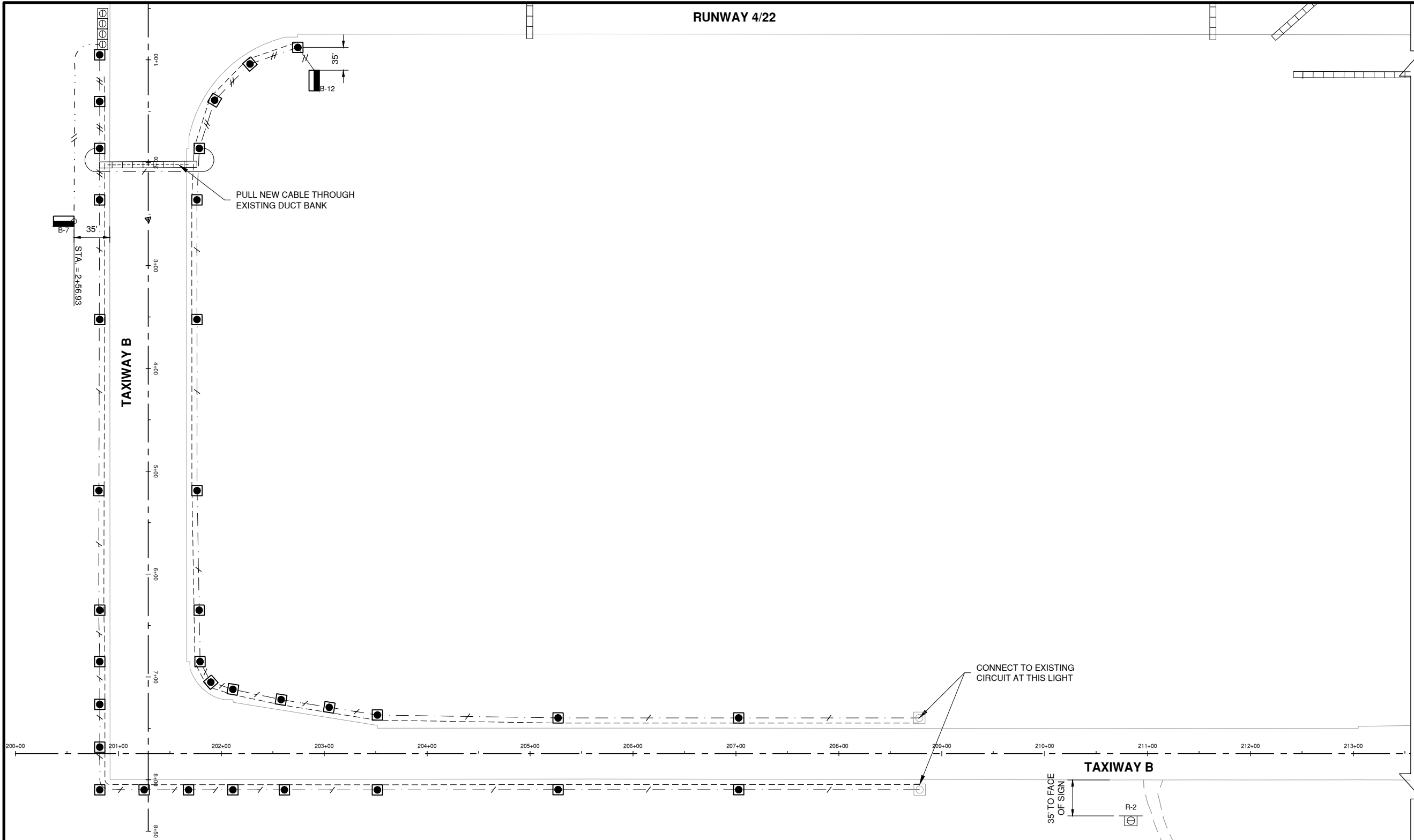
JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MATCHLINE - SEE SHEET EL111



MARK	DATE	DESCRIPTION

SHEET TITLE  
**PROPOSED SIGN & CABLE PLAN A**

EL110  
SHEET 33 OF 47

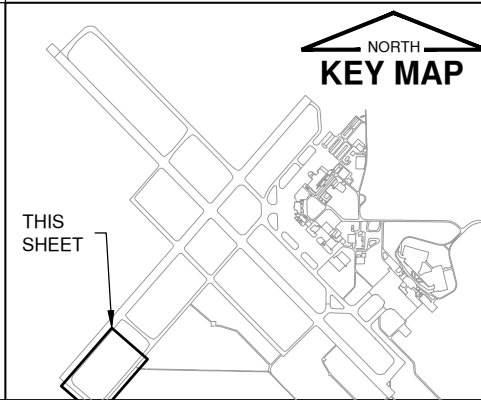
**LEGEND**

- NEW TAXIWAY EDGE LIGHT - BASE MOUNTED
- EXIST. TAXIWAY EDGE LIGHT - BASE MOUNTED
- NEW TAXIWAY B LIGHTING CIRCUIT - #8 5KV UG CABLE IN UNIT DUCT
- TWO CONDUCTORS IN UNIT DUCT OR EXISTING DUCT
- SINGLE CONDUCTOR IN UNIT DUCT OR EXISTING DUCT
- NEW COUNTERPOISE - 1/C #6
- EXIST. ELECTRICAL DUCT
- NEW TAXIWAY GUIDANCE SIGN
- EXIST. RUNWAY THRESHOLD BASE-MOUNTED LIGHT

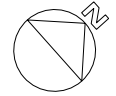
**NOTES**

1. SIGN LOCATION SHALL BE 35' FROM THE EDGE OF PAVEMENT. THE FACE OF SIGN B-7 SHALL BE 257' FROM THE CENTERLINE OF RUNWAY 4-22. STATION LOCATION IS SHOWN FOR REFERENCE ONLY.
2. SIGN B-7 IS A RUNWAY HOLDING POSITION SIGN AND SHALL BE POWERED BY NEW CABLE CONNECTED TO THE EXISTING RUNWAY 4-22 POWER CIRCUIT.
3. EXISTING TRENCHES BETWEEN LIGHTS WILL CONTAIN THE POWER CIRCUIT AND MAY CONTAIN ABANDONED CABLES FROM PREVIOUS LIGHTING IMPROVEMENTS. THE CONTRACTOR HAS THE OPTION TO REMOVE THESE CABLES AS NECESSARY TO INSTALL NEW CIRCUIT. THESE REMOVALS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

**KEYMAP**



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Date: Monday, July 8, 2019 4:54:59 PM



0 50 100  
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER



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WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD	UNXXX
IL PROJ. NO. CMI-4693	
CMT PROJECT NO: 180059-02-00	
CAD DWG FILE: 18005902-EL111.DWG	
DESIGNED BY: EMH	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: CBG	
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SHEET TITLE  
**PROPOSED SIGN & CABLE PLAN B**

MATCHLINE - SEE SHEET EL110

MATCHLINE - SEE SHEET EL112

TAXIWAY B1

TAXIWAY B

CONNECT TO EXISTING  
CIRCUIT AT THIS LIGHT

10' (TYP. BOTH SIDES)

35' TO FACE OF SIGN

R-4

R-3  
G

INSTALL NEXT TO  
EXIST. STOP SIGN  
(SEE DETAIL EL501.1)

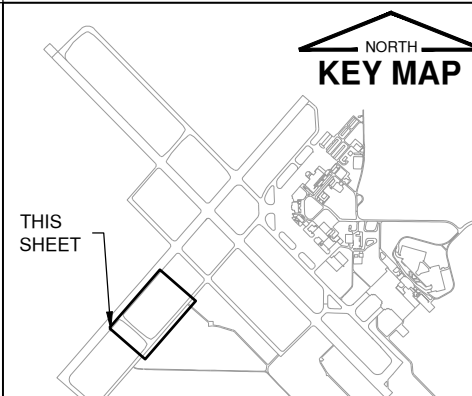
LEGEND

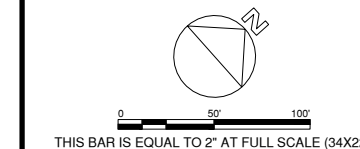
- NEW TAXIWAY EDGE LIGHT - BASE MOUNTED
- EXIST. TAXIWAY EDGE LIGHT - BASE MOUNTED
- NEW TAXIWAY B LIGHTING CIRCUIT - #8 5KV UG CABLE IN UNIT DUCT
- TWO CONDUCTORS IN UNIT DUCT OR EXISTING DUCT
- SINGLE CONDUCTOR IN UNIT DUCT OR EXISTING DUCT
- NEW COUNTERPOISE - 1/C #6
- NEW TAXIWAY GUIDANCE SIGN
- NEW ROADWAY SIGN (UNLIGHTED, NO ENTRY) - AR910200
- NEW TAXI GUIDANCE SIGN, UNLIT - AR125462

NOTES

- EXISTING TRENCHES BETWEEN LIGHTS WILL CONTAIN THE POWER CIRCUIT AND MAY CONTAIN ABANDONED CABLES FROM PREVIOUS LIGHTING IMPROVEMENTS. THE CONTRACTOR HAS THE OPTION TO REMOVE THESE CABLES AS NECESSARY TO INSTALL NEW CIRCUIT. THESE REMOVALS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

KEYMAP





JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-EL112.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: CBG

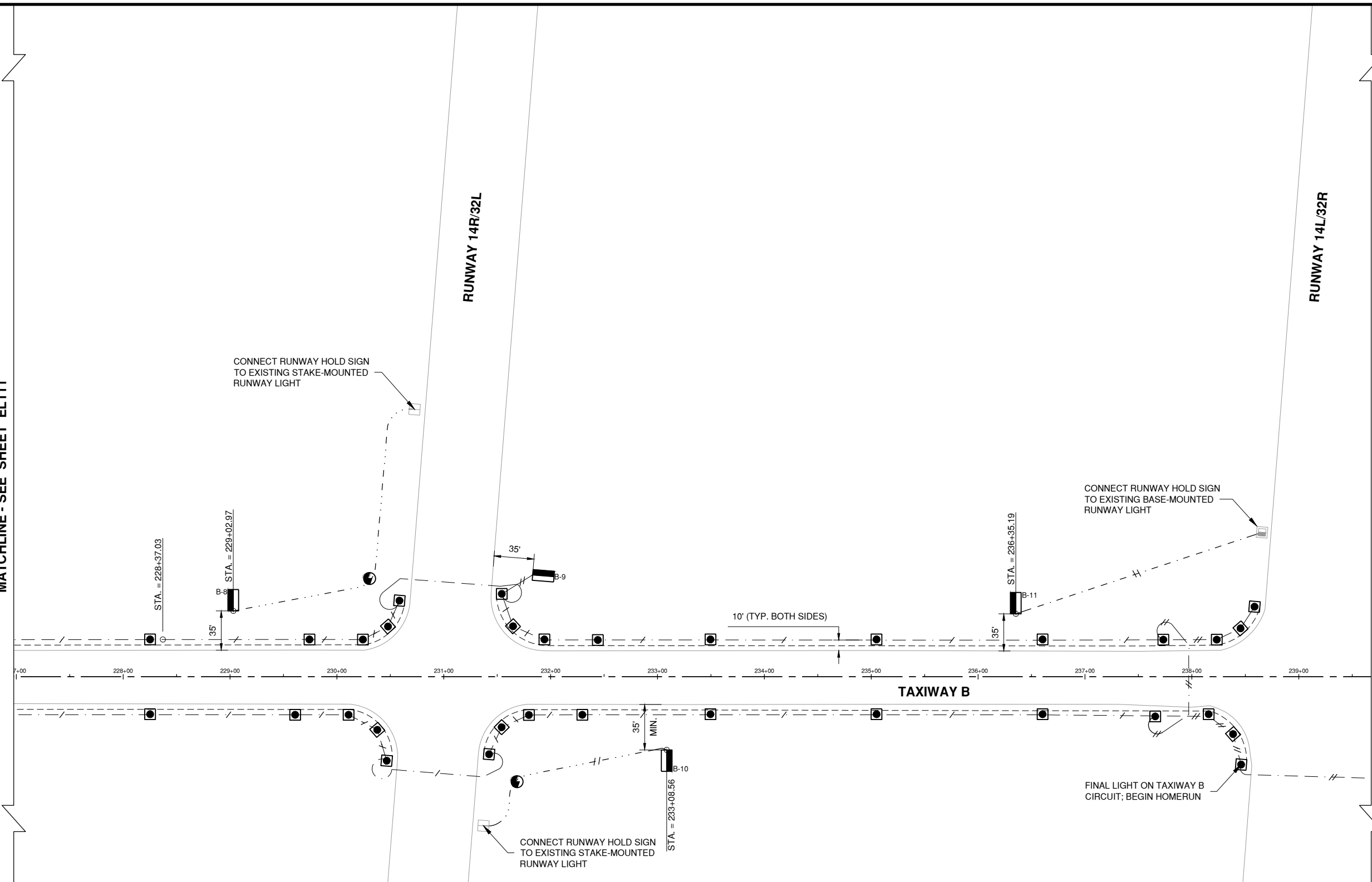
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SHEET TITLE

PROPOSED SIGN & CABLE PLAN C

MATCHLINE - SEE SHEET EL111

MATCHLINE - SEE SHEET EL113



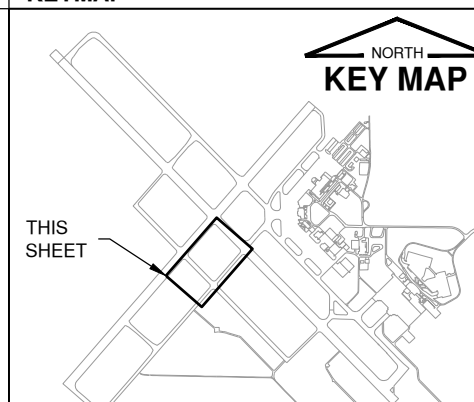
LEGEND

- |  |  |  |   |
|--|--|--|---|
|  | NEW TAXIWAY EDGE LIGHT - BASE MOUNTED    |  | NEW TAXIWAY B LIGHTING CIRCUIT - #8 5KV UG CABLE IN UNIT DUCT |
|  | EXIST. TAXIWAY EDGE LIGHT - BASE MOUNTED |  | NEW RUNWAY 14R/32L LIGHTING CIRCUIT                           |
|  | NEW SPLICE CAN                           |  | NEW RUNWAY 14L/32R LIGHTING CIRCUIT                           |
|  | NEW TAXIWAY GUIDANCE SIGN                |  | TWO CONDUCTORS IN UNIT DUCT OR EXISTING DUCT                  |
|  |  |  | SINGLE CONDUCTOR IN UNIT DUCT OR EXISTING DUCT                |
|  |  |  | NEW COUNTERPOISE - 1/C #6                                     |

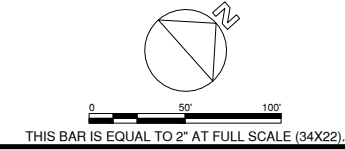
NOTES

- SIGNS B-8, B-10, AND B-11 ARE RUNWAY HOLD POSITION SIGNS AND SHALL BE POWERED BY NEW CABLE CONNECTED TO THE RUNWAY CIRCUIT.
- SIGN B-9 SHALL BE POWERED BY THE NEW TAXIWAY B CIRCUIT.
- THE FACES OF SIGNS B-8 & B-10 SHALL BE 200' FROM THE CENTERLINE OF RUNWAY 14R/32L. THE FACE OF SIGN B-11 SHALL BE 305' FROM THE CENTERLINE OF RUNWAY 14L/32R. STATION SHOWN FOR REFERENCE ONLY.
- EXISTING TRENCHES BETWEEN LIGHTS WILL CONTAIN THE POWER CIRCUIT AND MAY CONTAIN ABANDONED CABLES FROM PREVIOUS LIGHTING IMPROVEMENTS. THE CONTRACTOR HAS THE OPTION TO REMOVE THESE CABLES AS NECESSARY TO INSTALL NEW CIRCUIT. THESE REMOVALS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

KEYMAP



Path: K:\Champaign\A018005902-00\Draw\Sheets\18005902-EL112.dwg  
Date: Monday, July 8, 2019 4:55:35 PM



JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER



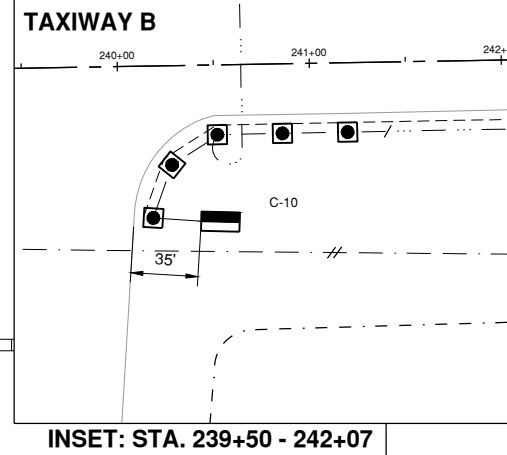
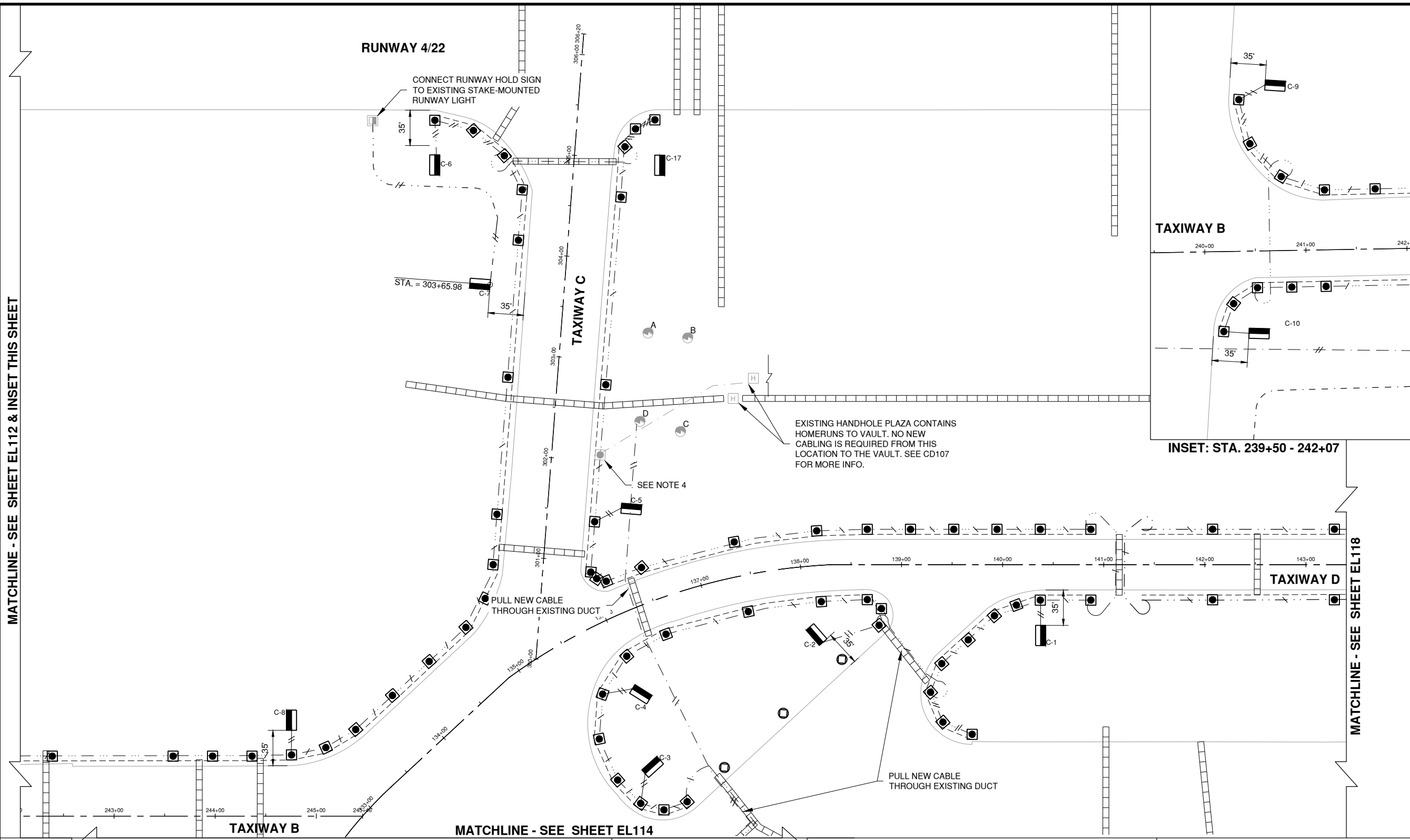
UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION
AIP PROJ. NO. 3-17-0016-TBD		UNXXX
IL PROJ. NO. CMI-4693		
CMT PROJECT NO: 180059-02-00		
CAD DWG FILE: 18005902-EL113.DWG		
DESIGNED BY: EMH		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: CBG		
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SHEET TITLE  
**PROPOSED SIGN & CABLE PLAN D**

EL113  
SHEET 36 OF 47

MATCHLINE - SEE SHEET EL112 & INSET THIS SHEET



MATCHLINE - SEE SHEET EL118

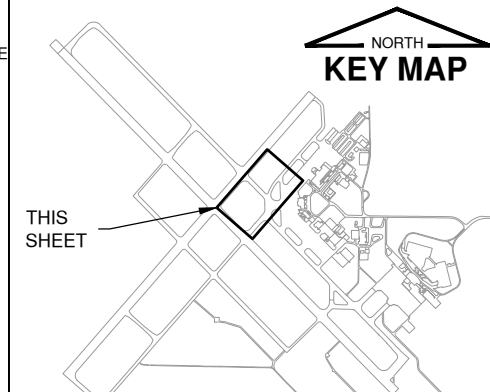
**LEGEND**

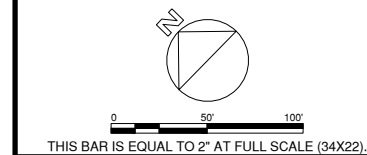
- |  |                                      |  |   |
|--|--------------------------------------|--|---|
|  | NEW TXY EDGE LIGHT - BASE MOUNTED    |  | NEW TXY B LIGHTING CIRC. - #8 5KV UG CABLE IN UNIT DUCT |
|  | EXIST. TXY EDGE LIGHT - BASE MOUNTED |  | NEW CENTER CIRC. - #8 5KV UG CABLE IN UNIT DUCT         |
|  | NEW SPLICE CAN                       |  | NEW RUNWAY 14L/32R LIGHTING CIRCUIT                     |
|  | NEW TAXIWAY GUIDANCE SIGN            |  | NEW RUNWAY 4/22 LIGHTING CIRCUIT                        |
|  | NEW ELEVATED RETRO-REFLECTIVE MARKER |  | NEW COUNTERPOISE - 1/C #6                               |
|  |                                      |  | EXIST. ELECTRICAL DUCT                                  |
|  |                                      |  | TWO CONDUCTORS IN UNIT DUCT OR EXIST. DUCT              |
|  |                                      |  | SINGLE CONDUCTOR IN UNIT DUCT OR EXIST. DUCT            |

**NOTES**

- SIGN C-7 IS A RUNWAY HOLD POSITION SIGN AND SHALL BE POWERED BY NEW CABLE CONNECTED TO THE RUNWAY CIRCUIT.
- SIGNS C-2, C-3, C-4, C-5, C-6, C-8, C-9, & C-10 SHALL BE POWERED BY THE NEW CENTER CIRCUIT.
- SIGNS C-2, C-3, C-4, C-5, C-6, C-8, C-9, & C-10 SHALL BE INSTALLED ON THE EXISTING CONCRETE BASE. CONTRACTOR SHALL WELD GROUND LUGS TO THE INTERIOR OF EXISTING SPLICE CANS AND MAKE ELECTRICAL CONNECTIONS PER THE ELECTRICAL DETAIL SHEETS.
- EXISTING BASE-MOUNT CONTAINS HOMERUN AND SHALL REMAIN. REMOVE FIXTURE AND TRANSFORMER AND CONNECT CABLING FROM NEW LIGHTS AT THIS LOCATION. DO NOT REPLACE CABLE FROM THIS LOCATION TO VAULT.
- EXISTING TRENCHES BETWEEN LIGHTS WILL CONTAIN THE POWER CIRCUIT AND MAY CONTAIN ABANDONED CABLES FROM PREVIOUS LIGHTING IMPROVEMENTS. THE CONTRACTOR HAS THE OPTION TO REMOVE THESE CABLES AS NECESSARY TO INSTALL NEW CIRCUIT. THESE REMOVALS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- SIGN LOCATION SHALL BE 35' FROM EOP. THE FACE OF SIGN C-7 SHALL BE 257' FROM THE CENTERLINE OF RUNWAY 4/22. STATION SHOWN FOR REFERENCE ONLY.

**KEYMAP**





JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

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WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-EL114.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJD

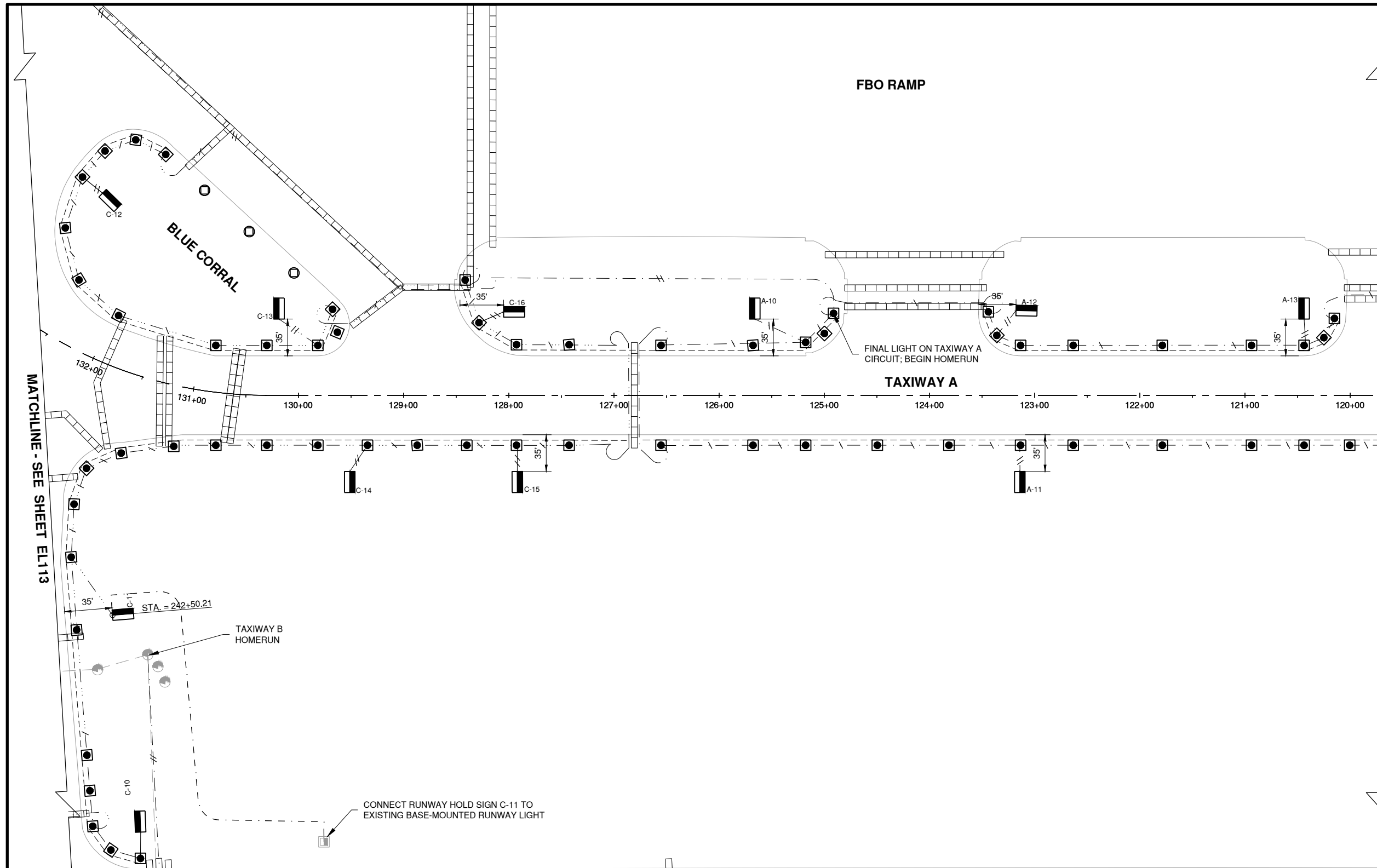
APPROVED BY: CBG

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SHEET TITLE

**PROPOSED SIGN & CABLE PLAN E**

EL114  
SHEET 37 OF 47



MATCHLINE - SEE SHEET EL115

MATCHLINE - SEE SHEET EL113

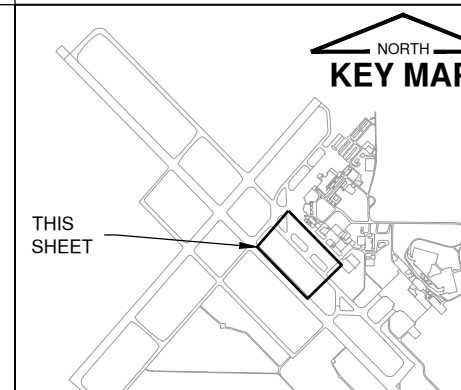
**LEGEND**

- NEW TAXIWAY EDGE LIGHT - BASE MOUNTED
- EXIST. TAXIWAY EDGE LIGHT - BASE MOUNTED
- NEW TAXIWAY GUIDANCE SIGN
- EXIST. SPLICE CAN
- NEW RUNWAY 14L/32R LIGHTING CIRCUIT
- NEW CENTER CIRCUIT - #8 5KV UG CABLE IN UNIT DUCT
- NEW TAXIWAY B LIGHTING CIRCUIT - #8 5KV UG CABLE IN UNIT DUCT
- NEW TAXIWAY 4-5 LIGHTING CIRCUIT - #8 5KV UG CABLE IN UNIT DUCT
- TWO CONDUCTORS IN UNIT DUCT OR EXISTING DUCT
- SINGLE CONDUCTOR IN UNIT DUCT OR EXISTING DUCT
- NEW COUNTERPOISE - 1/C #6
- EXIST. ELECTRICAL DUCT

**NOTES**

1. SIGN C-11 IS A RUNWAY HOLD POSITION SIGN AND SHALL BE POWERED BY NEW CABLE CONNECTED TO THE RUNWAY CIRCUIT.
2. SIGNS C-12, C-13, C-14, C-15, & C-16 SHALL BE POWERED BY THE NEW CENTER CIRCUIT; SIGNS A-10, A-11, A-12, & A-13 SHALL BE POWERED BY THE NEW TXY A CIRCUIT.
4. EXISTING TRENCHES BETWEEN LIGHTS WILL CONTAIN THE POWER CIRCUIT AND MAY CONTAIN ABANDONED CABLES FROM PREVIOUS LIGHTING IMPROVEMENTS. THE CONTRACTOR HAS THE OPTION TO REMOVE THESE CABLES AS NECESSARY TO INSTALL NEW CIRCUIT. THESE REMOVALS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
5. THE FACE OF SIGN C-1 SHALL BE 305' FROM THE CENTERLINE OF RUNWAY 14L/32R. STATION SHOWN FOR REFERENCE ONLY.

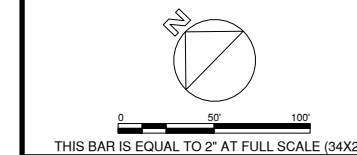
**KEYMAP**





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JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

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SAVOY, ILLINOIS

MARK | DATE | DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-EL115.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: CBG

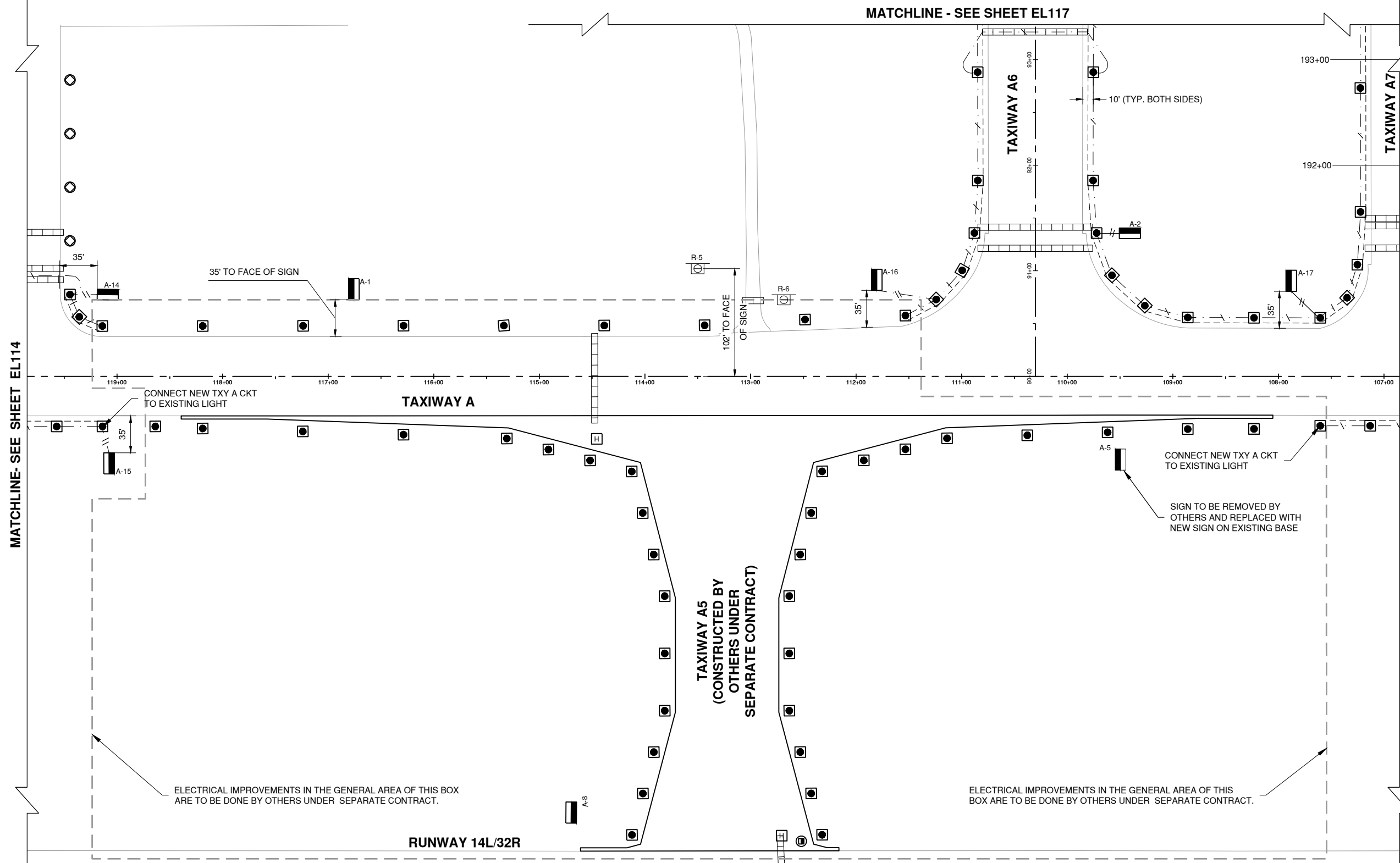
COPYRIGHT:

SHEET TITLE

PROPOSED SIGN & CABLE PLAN F

EL115  
SHEET 38 OF 47

MATCHLINE - SEE SHEET EL117



MATCHLINE- SEE SHEET EL114

MATCHLINE - SEE SHEET EL116

TAXIWAY A5  
(CONSTRUCTED BY  
OTHERS UNDER  
SEPARATE CONTRACT)

ELECTRICAL IMPROVEMENTS IN THE GENERAL AREA OF THIS BOX ARE TO BE DONE BY OTHERS UNDER SEPARATE CONTRACT.

ELECTRICAL IMPROVEMENTS IN THE GENERAL AREA OF THIS BOX ARE TO BE DONE BY OTHERS UNDER SEPARATE CONTRACT.

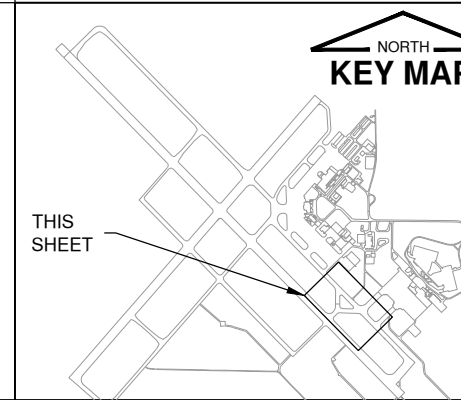
LEGEND

- NEW TAXIWAY EDGE LIGHT - BASE MOUNTED
- EXIST. TAXIWAY EDGE LIGHT - BASE MOUNTED
- NEW TAXIWAY GUIDANCE SIGN
- NEW ELEVATED RETRO-REFLECTIVE MARKER
- NEW TAXIWAY 4-5 LIGHTING CIRCUIT - #8 5KV UG CABLE IN UNIT DUCT
- TWO CONDUCTORS IN UNIT DUCT OR EXISTING DUCT
- SINGLE CONDUCTOR IN UNIT DUCT OR EXISTING DUCT
- NEW COUNTERPOISE - 1/C #6
- EXIST. ELECTRICAL DUCT

NOTES

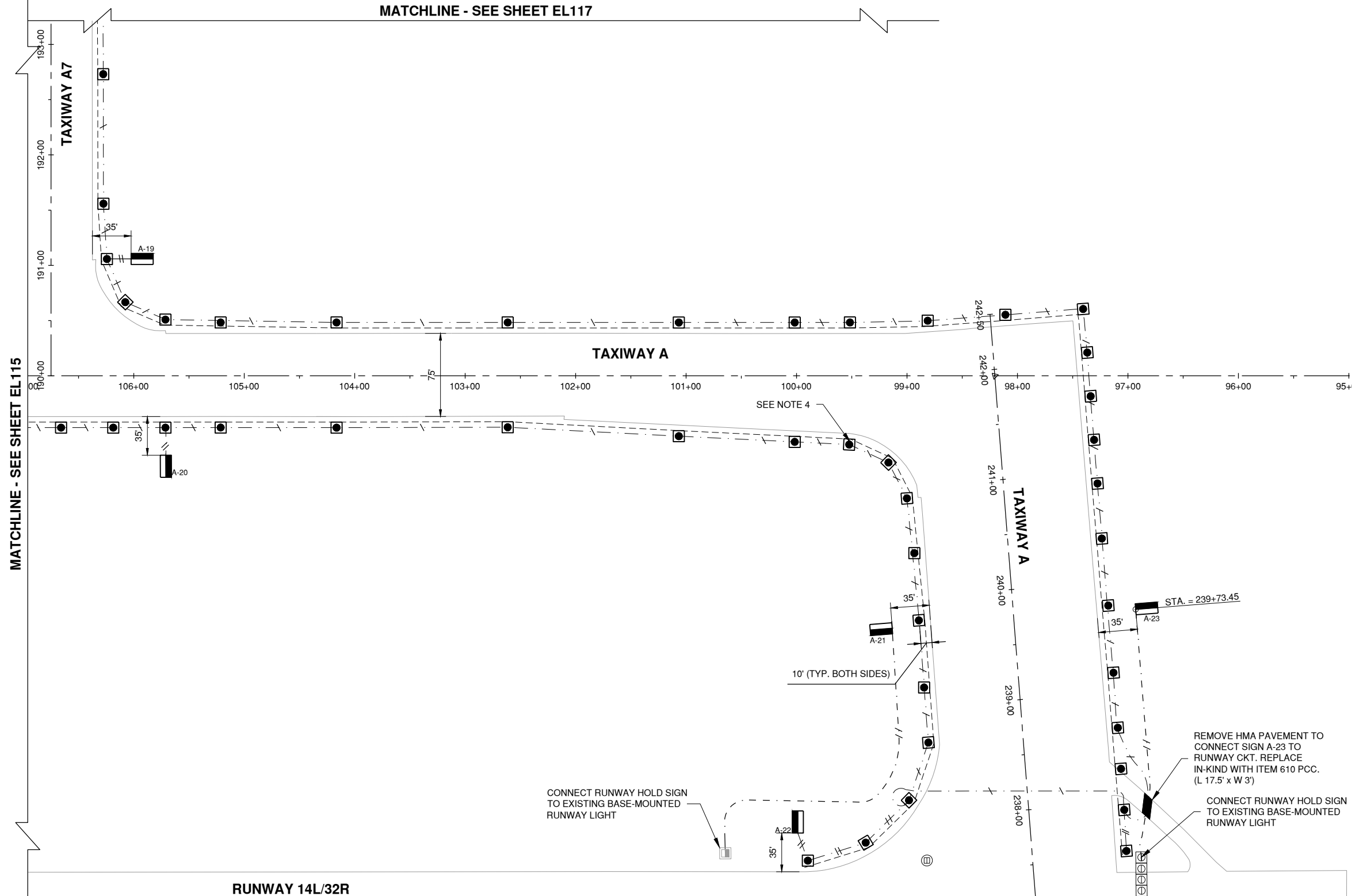
1. SIGNS A-14, A-15, A-16, A-17 SHALL BE POWERED BY THE NEW TXY A CIRCUIT.
2. SIGNS A-1, A-2, AND A-8 ARE TO BE CONSTRUCTED BY OTHERS UNDER SEPARATE CONTRACT.
3. EXISTING TRENCHES BETWEEN LIGHTS WILL CONTAIN THE POWER CIRCUIT AND MAY CONTAIN ABANDONED CABLES FROM PREVIOUS LIGHTING IMPROVEMENTS. THE CONTRACTOR HAS THE OPTION TO REMOVE THESE CABLES AS NECESSARY TO INSTALL NEW CIRCUIT. THESE REMOVALS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

KEYMAP



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MATCHLINE - SEE SHEET EL117

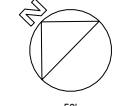


MATCHLINE - SEE SHEET EL115



License No. 184-000613

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THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

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WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK | DATE | DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD	UNXXX
IL PROJ. NO. CMI-4693	
CMT PROJECT NO: 180059-02-00	
CAD DWG FILE: 18005902-EL116.DWG	
DESIGNED BY: EMH	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: CBG	
COPYRIGHT:	

SHEET TITLE  
**PROPOSED SIGN & CABLE PLAN G**

EL116  
SHEET 39 OF 47

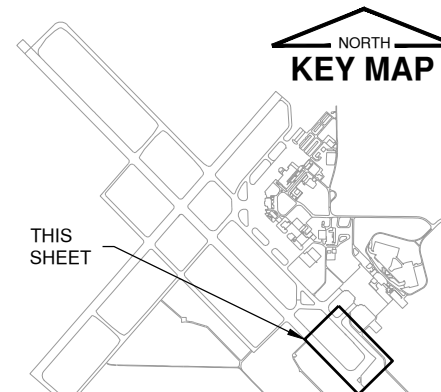
**LEGEND**

- NEW TAXIWAY EDGE LIGHT - BASE MOUNTED
- EXIST. TAXIWAY EDGE LIGHT - BASE MOUNTED
- NEW TAXIWAY GUIDANCE SIGN
- EXIST. RUNWAY THRESHOLD BASE-MOUNTED LIGHT
- NEW RUNWAY 14L/32R LIGHTING CIRCUIT
- NEW TAXIWAY A LIGHTING CIRCUIT - #8 5KV UG CABLE IN UNIT DUCT
- TWO CONDUCTORS IN UNIT DUCT OR EXISTING DUCT
- SINGLE CONDUCTOR IN UNIT DUCT OR EXISTING DUCT
- NEW COUNTERPOISE - 1/C #6
- EXIST. ELECTRICAL DUCT

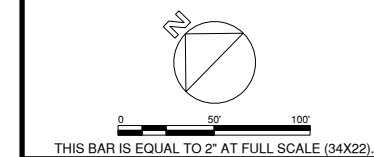
**NOTES**

1. SIGN A-21 & A-23 ARE RUNWAY HOLD POSITION SIGNS AND SHALL BE POWERED BY NEW CABLE CONNECTED TO THE RUNWAY CIRCUIT.
2. SIGNS A-19, A-20, A-22 SHALL BE POWERED BY THE NEW TXY A CIRCUIT.
3. SIGNS A-1, A-2, AND A-8 ARE TO BE CONSTRUCTED BY OTHERS UNDER SEPARATE CONTRACT.
4. EXISTING TRENCHES BETWEEN LIGHTS WILL CONTAIN THE POWER CIRCUIT AND MAY CONTAIN ABANDONED CABLES FROM PREVIOUS LIGHTING IMPROVEMENTS. THE CONTRACTOR HAS THE OPTION TO REMOVE THESE CABLES AS NECESSARY TO INSTALL NEW CIRCUIT. THESE REMOVALS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
5. THE FACES OF SIGNS A-21 & A-23 SHALL BE 305' FROM THE CENTERLINE OF RUNWAY 14L/32R. STATION SHOWN FOR REFERENCE ONLY.

**KEYMAP**

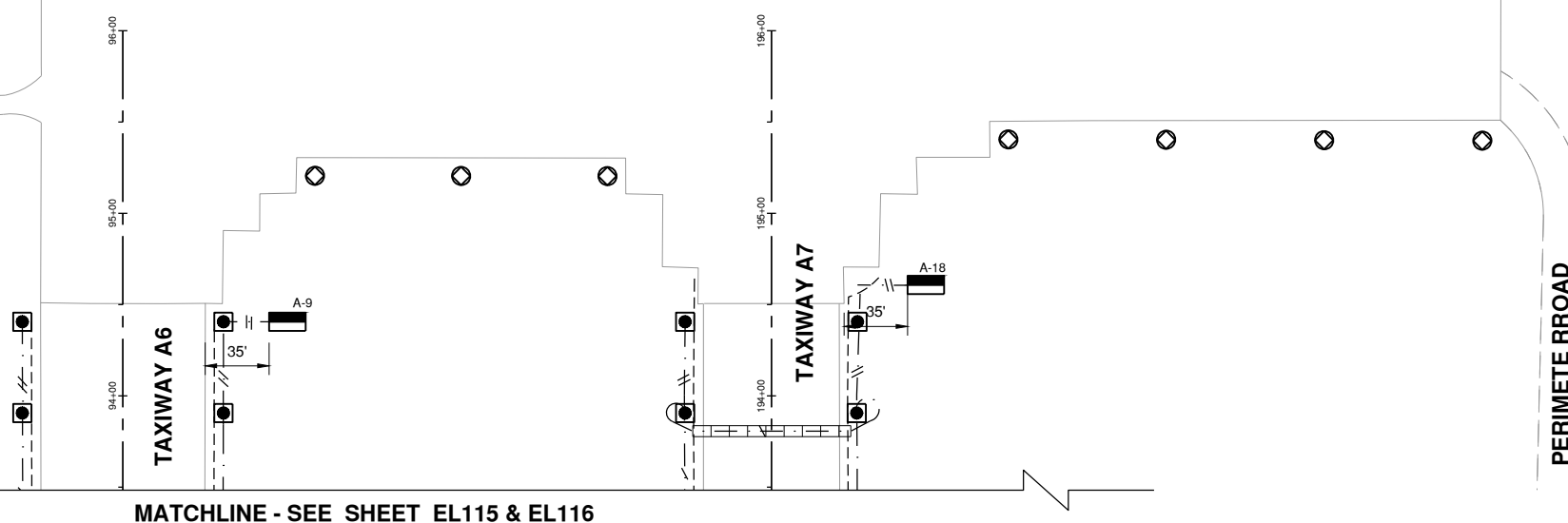


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Date: Monday, July 8, 2019 4:56:57 PM



TERMINAL RAMP

PERIMETER ROAD



JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-EL117.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: CBG

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SHEET TITLE

PROPOSED SIGN & CABLE PLAN H

EL117  
SHEET 40 OF 47

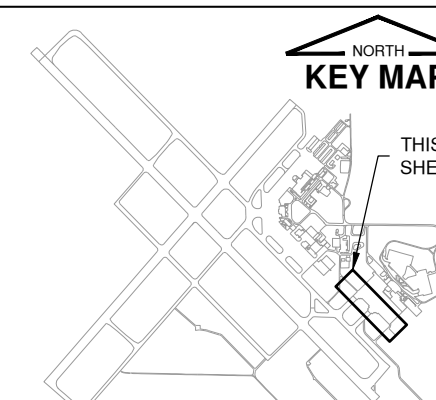
**LEGEND**

- NEW TAXIWAY EDGE LIGHT - BASE MOUNTED
- EXIST. TAXIWAY EDGE LIGHT - BASE MOUNTED
- NEW TAXIWAY GUIDANCE SIGN
- NEW ELEVATED RETRO-REFLECTIVE MARKER
- NEW TAXIWAY 4-5 LIGHTING CIRCUIT - #8 5KV UG CABLE IN UNIT DUCT
- TWO CONDUCTORS IN UNIT DUCT OR EXISTING DUCT
- SINGLE CONDUCTOR IN UNIT DUCT OR EXISTING DUCT
- NEW COUNTERPOISE - 1/C #6
- EXIST. ELECTRICAL DUCT

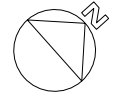
**NOTES**

1. SIGNS A-9 & A-18 SHALL BE POWERED BY THE NEW TXY A CIRCUIT.
2. EXISTING TRENCHES BETWEEN LIGHTS WILL CONTAIN THE POWER CIRCUIT AND MAY CONTAIN ABANDONED CABLES FROM PREVIOUS LIGHTING IMPROVEMENTS. THE CONTRACTOR HAS THE OPTION TO REMOVE THESE CABLES AS NECESSARY TO INSTALL NEW CIRCUIT. THESE REMOVALS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

**KEYMAP**







0 50 100  
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

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UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION
		AIP PROJ. NO. 3-17-0016-TBD UNXXX
		IL PROJ. NO. CMI-4693
		CMT PROJECT NO: 180059-02-00
		CAD DWG FILE: 18005902-EL118.DWG
		DESIGNED BY: EMH
		DRAWN BY: DPA
		CHECKED BY: MJD
		APPROVED BY: CBG
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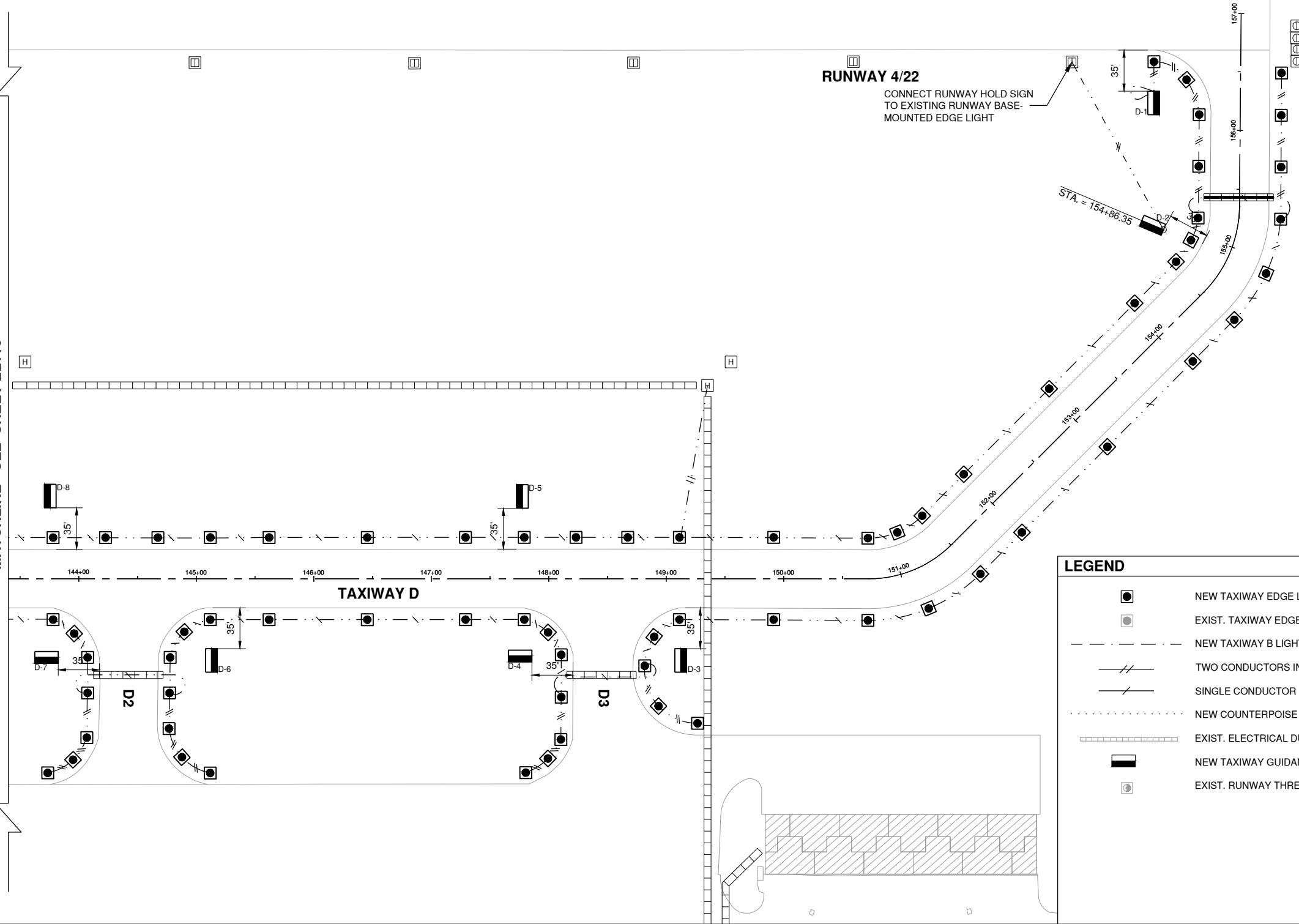
SHEET TITLE  
**PROPOSED SIGN & CABLE PLAN I - ADD. ALT. 1**

EL118  
SHEET 41 OF 47

MATCHLINE - SEE SHEET EL113

**RUNWAY 4/22**

CONNECT RUNWAY HOLD SIGN TO EXISTING RUNWAY BASE-MOUNTED EDGE LIGHT



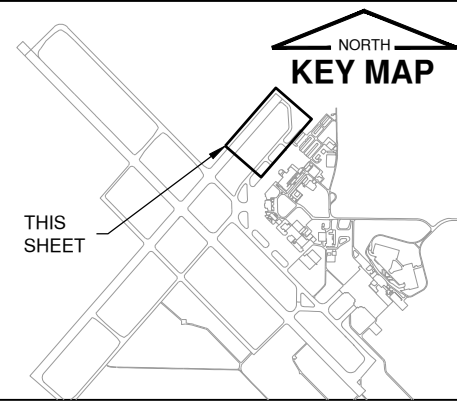
**LEGEND**

- NEW TAXIWAY EDGE LIGHT - BASE MOUNTED
- EXIST. TAXIWAY EDGE LIGHT - BASE MOUNTED
- NEW TAXIWAY B LIGHTING CIRCUIT - #8 5KV UG CABLE IN UNIT DUCT
- TWO CONDUCTORS IN UNIT DUCT OR EXISTING DUCT
- SINGLE CONDUCTOR IN UNIT DUCT OR EXISTING DUCT
- NEW COUNTERPOISE - 1/C #6
- EXIST. ELECTRICAL DUCT
- NEW TAXIWAY GUIDANCE SIGN
- EXIST. RUNWAY THRESHOLD BASE-MOUNTED LIGHT

**NOTES**

- PROPOSED CABLING SHOWN IN THIS AREA FOR TAXIWAY D SHALL ONLY IMPACT ADDITIVE ALTERNATE #1.
- SIGNS D-1, D-3, D-4, D-5, D-6, D-7, & D-8 SHALL BE POWERED BY THE NEW TXY D CIRCUIT.
- THE FACE OF SIGN D-2 FROM THE CENTERLINE OF RUNWAY 4/22 STATION SHOWN FOR REFERENCE ONLY.
- EXISTING TRENCHES BETWEEN LIGHTS WILL CONTAIN THE POWER CIRCUIT AND MAY CONTAIN ABANDONED CABLES FROM PREVIOUS LIGHTING IMPROVEMENTS. THE CONTRACTOR HAS THE OPTION TO REMOVE THESE CABLES AS NECESSARY TO INSTALL NEW CIRCUIT. THESE REMOVALS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

**KEYMAP**



SIGN #	SIDE	EX SIGN LEGEND	NEW SIGN LEGEND	WHITE WITH BLACK OUTLINE ON RED BACKGROUND	BLACK LEGEND ON YELLOW BACKGROUND	YELLOW LEGEND ON BLACK BACKGROUND	NUMBER OF CHARACTERS	NEW POWER CIRCUIT	SIGN STYLE	CKT INTENSITY	REG OUTPUT	CONTRACT	SIGN SIZE	SIGN MODE	SIGN CLASS
D-1	NE SW	D→	D→		D→		2	4-22	2	MEDIUM	6.6	ADD. ALT. 1	2	2	2
D-2	NW SE	D D 2 2	D D 2 2	2 2		D	4	4-22	3	HIGH	6.6	ADD. ALT. 1	2	2	2
D-3	NE SW	←D3 D	←D3 D		←D3	D	4	TXY D	2	MEDIUM	6.6	ADD. ALT. 1	2	2	2
D-4	NW SE	D3←D→	D3←D→		←D→	D3	5	TXY D	2	MEDIUM	6.6	ADD. ALT. 1	2	2	2
D-5	NE SW	DD3→	DD3→		D	D3→	4	TXY D	2	MEDIUM	6.6	ADD. ALT. 1	2	2	2
D-6	NE SW	←D2 D	←D2 D		←D2	D	4	TXY D	2	MEDIUM	6.6	ADD. ALT. 1	2	2	2
D-7	NW SE	D2←D→	D2←D→		←D→	D2	5	TXY D	2	MEDIUM	6.6	ADD. ALT. 1	2	2	2
D-8	NE SW	DD2→	DD2→		D	D2→	4	TXY D	2	MEDIUM	6.6	ADD. ALT. 1	2	2	2

JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-EL501.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: CBG

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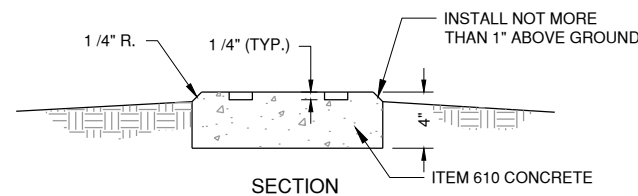
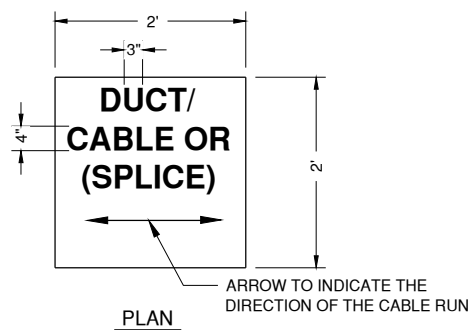
SHEET TITLE

ELECTRICAL DETAILS

1

EL501

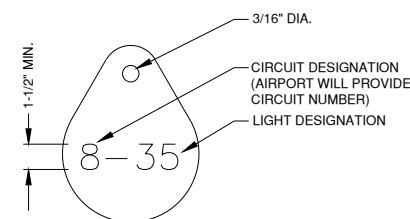
SHEET 42 OF 47



**1** TURF CABLE/DUCT/SPLICE MARKER DETAIL  
N.T.S.

**NOTES:**

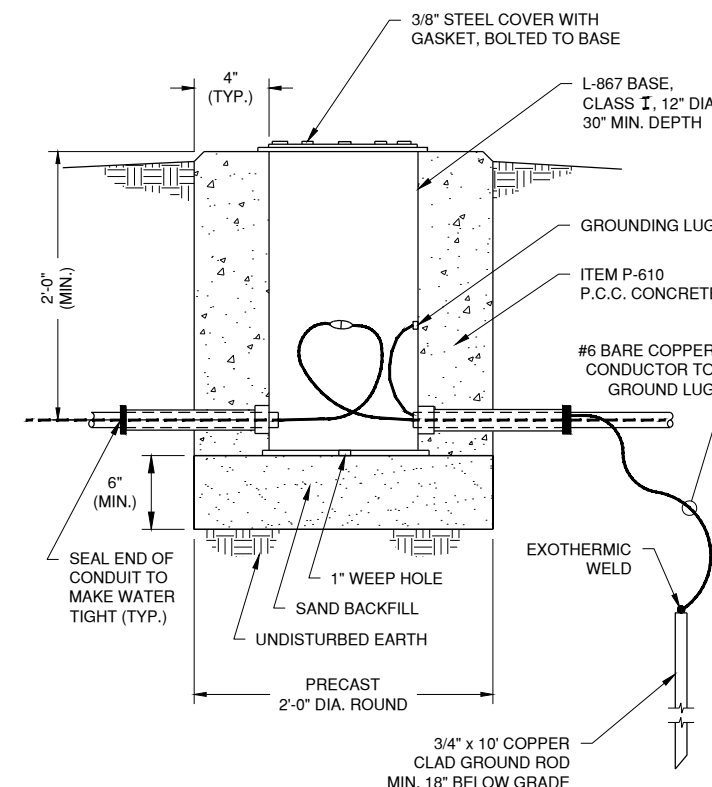
1. DUCT MARKERS SHALL BE INSTALLED AT BOTH EDGES OF PAVEMENT WHERE PROPOSED ELECTRICAL DUCTS CROSS BOTH NEW AND EXISTING PAVEMENTS.
2. CABLE MARKERS SHALL BE INSTALLED AT ALL BENDS AND EVERY 200' ALONG THE HOMERUN.
3. ITEM 610 CONCRETE SHALL BE USED.
4. ALL EXPOSED EDGES SHALL BE EDGED WITH A 1/4" RADIUS TOOL.
5. THE COST OF FURNISHING AND INSTALLING NEW MARKERS SHALL BE INCIDENTAL TO THE ASSOCIATED ITEMS.
6. 0.049 CU. YD. CONCRETE PER MARKER.
7. A MARKER CONFORMING TO THIS DETAIL MARKED "SPLICE" SHALL BE INSTALLED AT ALL SPLICE LOCATIONS NOT IN LIGHT CANS OR MANHOLES.



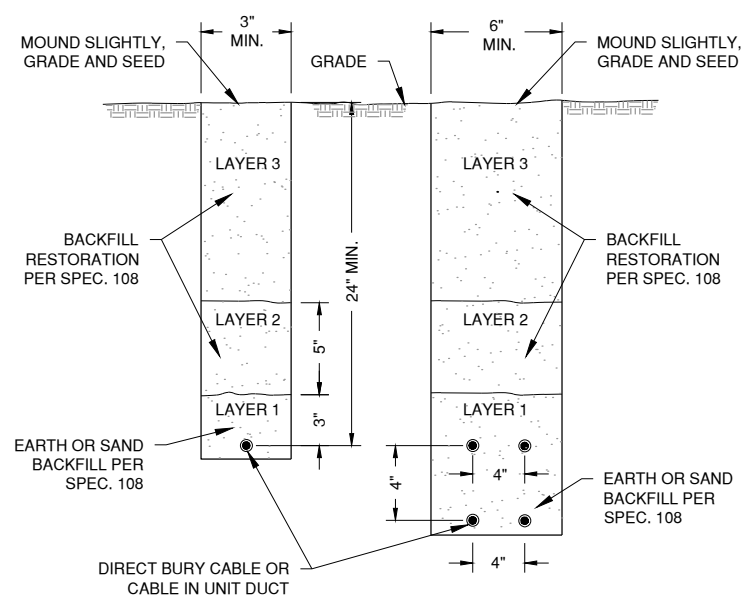
**2** LIGHT IDENTIFICATION DETAIL  
N.T.S.

**NOTES:**

1. INSTALL A NON-CORROSIVE DISC OF 2" MINIMUM DIAMETER WITH THE NUMBER PERMANENTLY STAMPED, CUT OUT, OR ENGRAVED UNDER THE HEAD OF THE BASE PLATE BOLT OR ATTACHED TO LIGHT FLANGE WITH SET SCREW.
2. LEGENDS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR TO COORDINATE LEGEND WITH AIRPORT.
3. THE CONTRACTOR SHALL NUMBER THE EXISTING/ PROPOSED LIGHTS AND SIGNS IN EACH CIRCUIT STARTING AT THE HOMERUN CONTINUING AROUND THE ENTIRE CIRCUIT BACK TO THE HOMERUN.
4. AIRFIELD SIGNS SHALL BE TAGGED & NUMBERED.



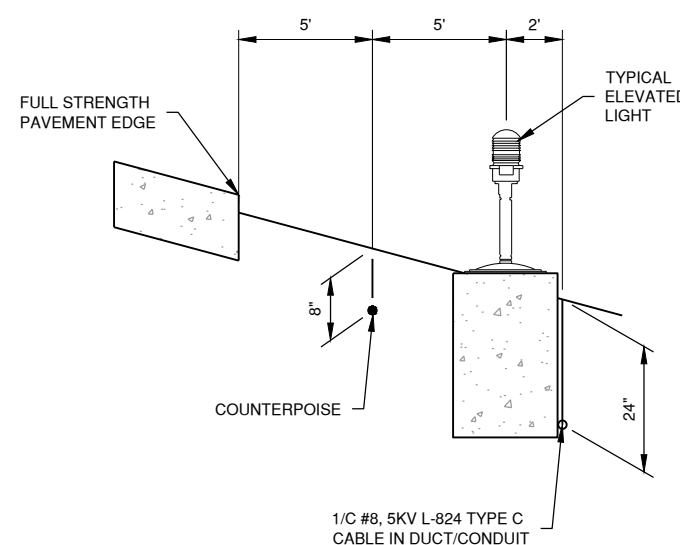
**3** SPLICE CAN DETAIL  
N.T.S.



**NOTES:**

1. CABLES SHALL NOT BE PLACED LESS THAN 24" DEEP IN ANY ONE TRENCH UNLESS PERMITTED BY ENGINEER.
2. WHERE PERMITTED, CONTRACTOR MAY INSTALL CABLE IN UNIT DUCT BY PLOWING METHOD.

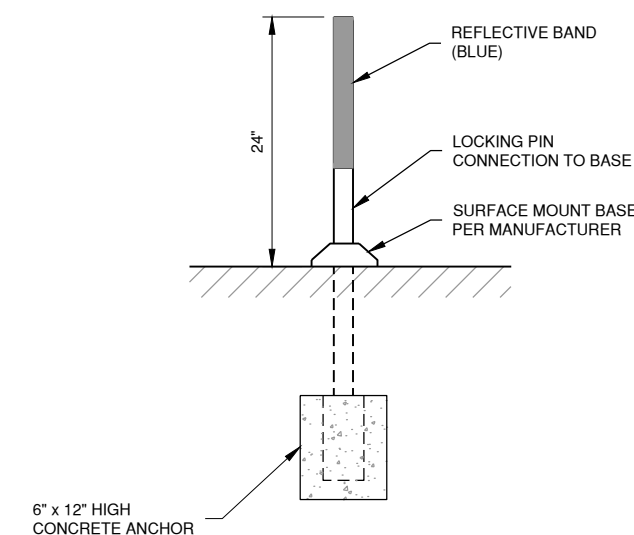
**4** CABLE TRENCH DETAIL  
N.T.S.



**NOTES:**

- #6 BARE COUNTERPOISE WITH 3/4" x 10" GROUND ROD INSTALLED AT MAX. 500' SPACING. ALSO USE GROUND ROD TO TERMINATE THE COUNTERPOISE AT BOTH ENDS OF DUCT. GROUND RODS SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.

**5** COUNTERPOISE LOCATION DETAIL  
N.T.S.



**6** L-853 RETROREFLECTIVE MARKER  
N.T.S.

**NOTES:**

1. REFLECTORS ARE INSTALLED 10' FROM EDGE OF MARKED PAVEMENT, IN-LINE WITH EXISTING TAXIWAY EDGE LIGHTS.

JUNE 5, 2019

**INSTALL TAXIWAY LIGHTING & SIGNAGE**

OWNER



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD UNXXX

IL PROJ. NO. CMI-4693

CMT PROJECT NO: 180059-02-00

CAD DWG FILE: 18005902-EL502.DWG

DESIGNED BY: EMH

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: CBG

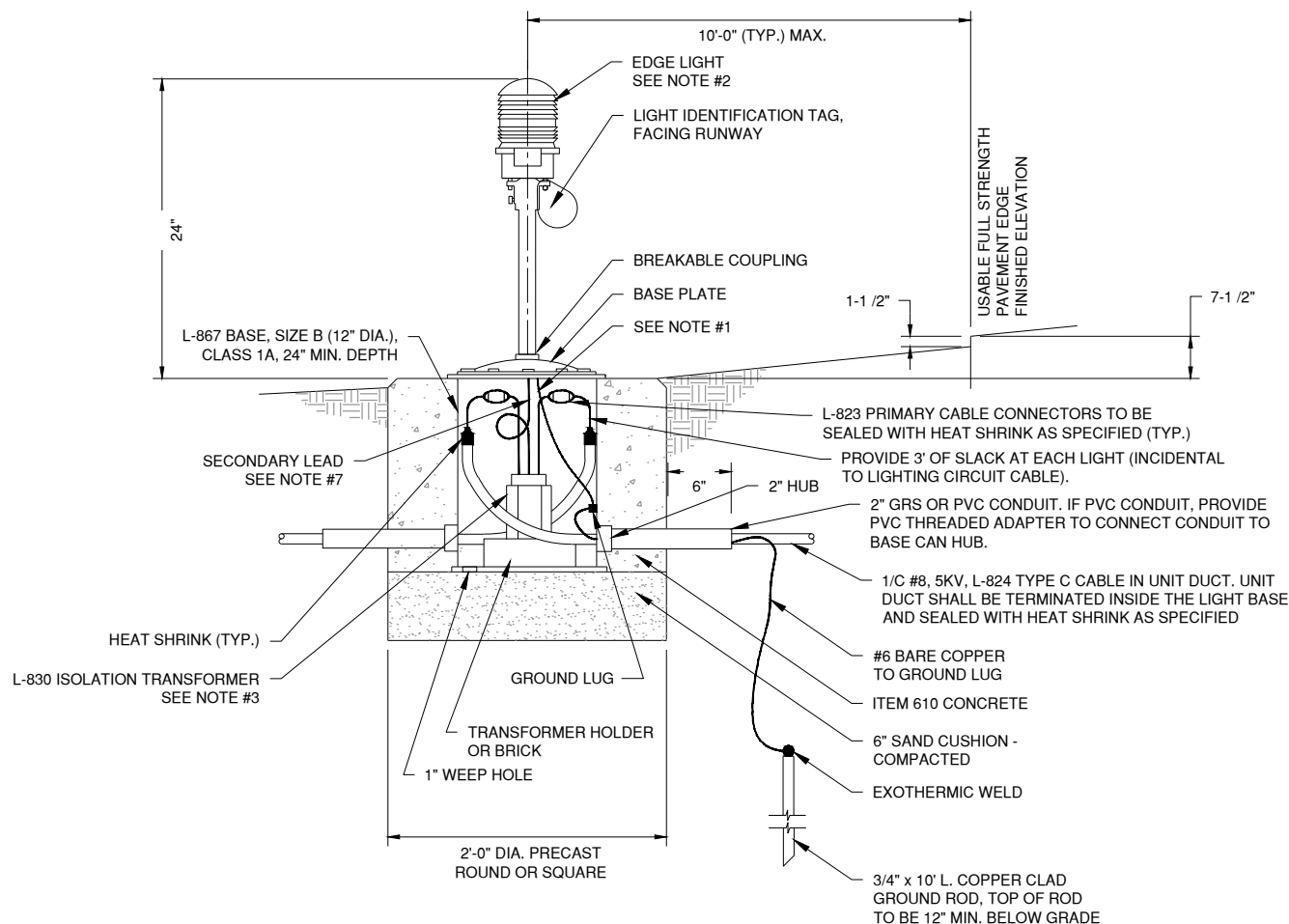
COPYRIGHT:

SHEET TITLE

**ELECTRICAL DETAILS**

2

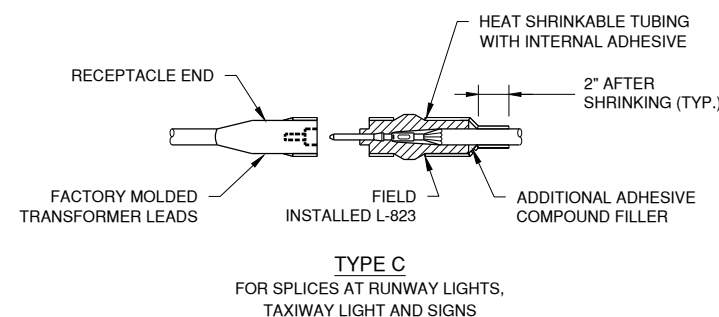
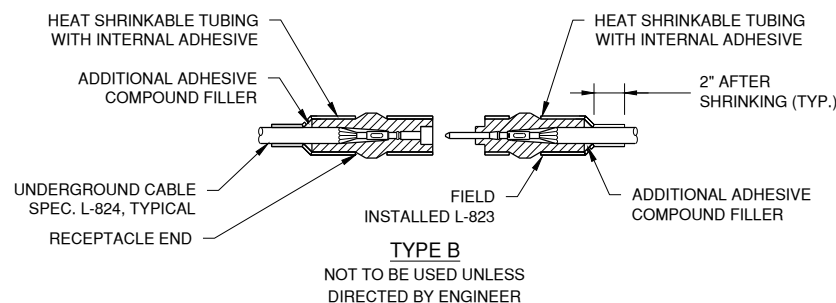
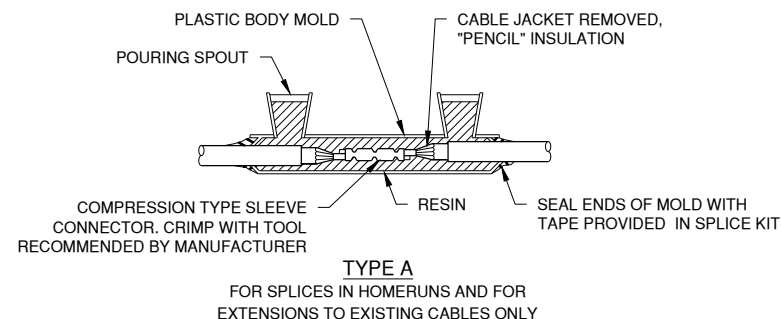
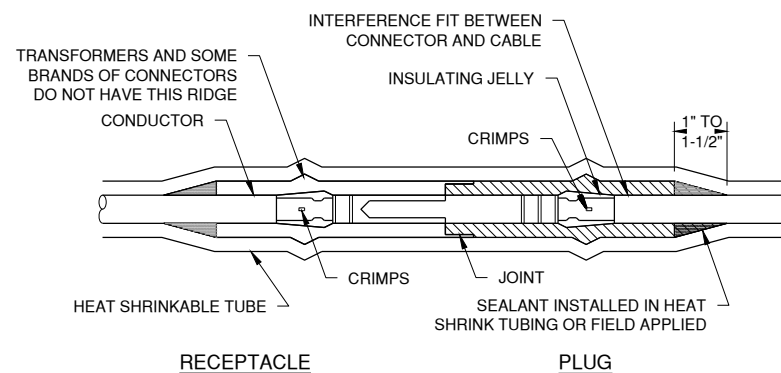
SHEET **43** OF **47**  
EL502



**1** L-861(T) BASE MOUNTED TAXIWAY EDGE LIGHT  
N.T.S.

**TAXIWAY EDGE LIGHT NOTES**

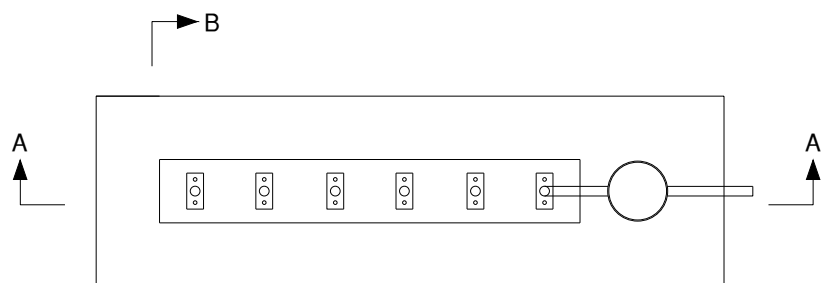
1. THE LIGHT FIXTURE SHALL BE BONDED TO THE LIGHT BASE INTERNAL GROUND LUG VIA A #6 AWG STRANDED COPPER WIRE RATED FOR 600 VOLTS WITH GREEN XH-W INSULATION. THE GROUND WIRE LENGTH SHALL BE SUFFICIENT TO ALLOW THE REMOVAL OF THE LIGHT FIXTURE FROM THE LIGHT BASE FOR ROUTINE MAINTENANCE. SEE THE LIGHT FIXTURE MANUFACTURER'S INSTRUCTIONS FOR PROPER METHODS OF ATTACHING THIS BONDING WIRE.
2. LIGHT FIXTURES SHALL BE L-861, L-861E, AS INDICATED ON THE PLANS AND SPECIFICATIONS. ALL NEW LIGHTS SHALL BE LED.
3. L-830 ISOLATION TRANSFORMERS FOR LED EDGE LIGHTS WITH ARCTIC KITS SHALL BE L-830-1 30/45 WATT.
4. THE TOLERANCE FOR THE HEIGHT OF RUNWAY/TAXIWAY EDGE LIGHTS MUST BE ± 1 INCH. THE TOLERANCE FOR THE LATERAL SPACING (LIGHT LANE TO RUNWAY/TAXIWAY CENTERLINE) OF RUNWAY/TAXIWAY EDGE LIGHTS MUST BE ± 1 INCH.
5. DIRECTION OF PRIMARY CABLES MUST BE IDENTIFIED BY COLOR CODING AS FOLLOWS: WHEN FACING LIGHT WITH BACK FACING PAVEMENT, CABLE TO THE LEFT IS CODED RED AND CABLE TO THE RIGHT IS CODED BLUE.
6. APPLY A CORROSION INHIBITING, ANTI-SEIZE COMPOUND TO ALL SCREWS, NUTS AND FRANGIBLE COUPLING THREADS. IF COATED BOLTS ARE USED PER ENGINEERING BRIEF #83, DO NOT APPLY ANTI-SEIZE COMPOUND.
7. ELECTRICAL INSULATING GREASE MUST BE APPLIED WITHIN THE L-830 ISOLATION TRANSFORMER SECONDARY TWO CONDUCTOR CONNECTORS TO PREVENT WATER ENTRANCE. THE CONNECTORS MUST NOT BE TAPED.
8. ENTRANCES IN L-867 BASES MUST BE PLUGGED FROM THE INSIDE WITH DUCT SEAL TO MAKE WATERTIGHT.



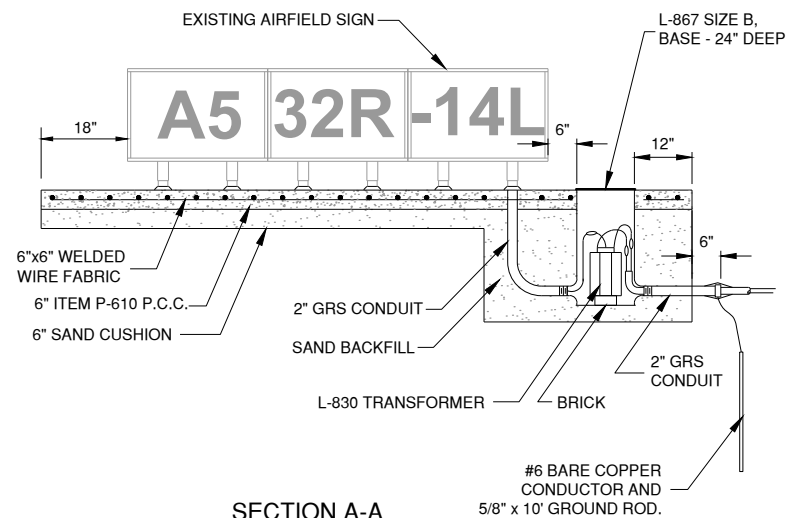
**2** CABLE CONNECTOR DETAILS  
N.T.S.

**CABLE CONNECTOR NOTES**

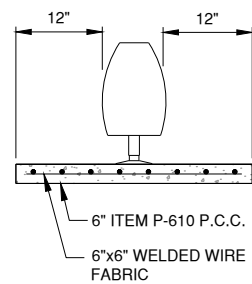
1. MATCH THE OUTSIDE DIAMETER OF CABLE. INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH OUTSIDE DIA. OF CABLE.
2. WRAP WITH AT LEAST ONE LAYER OF RUBBER OR TAPE, ONE-HALF LAPPED, EXTENDING AT LEAST 1-1/2 INCHES ON EACH SIDE OF JOINT.
3. IN LIEU OF HEAT SHRINKING, CONTRACTOR SHALL INSTALL COMPLETE KIT OR EQUIVALENT CONNECTOR KIT MUST HAVE THREE O-RINGS MOLDED INTEGRALLY INTO CONNECTOR KIT. CONNECTOR KIT MUST HAVE 25° BEND/STRAIN IN RELIEF. CONNECTOR KIT MUST BE MOLDED IN THEROPLASTIC.



PLAN



SECTION A-A



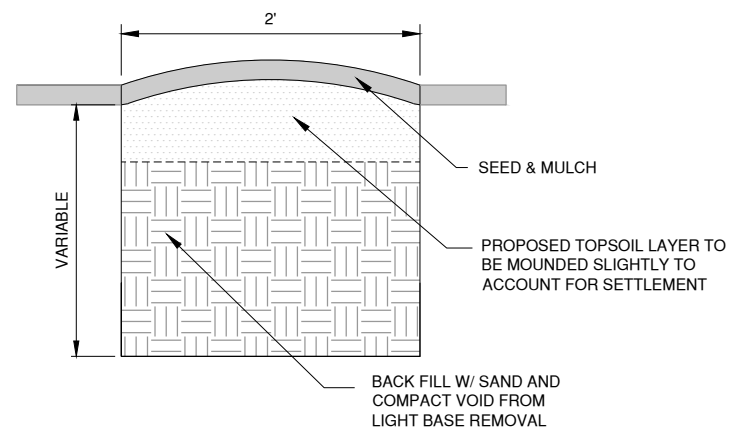
SECTION B-B

NOTES

- SIGN & LIGHT DETAILS SHOWN HAVE BEEN TAKEN RECORD DRAWINGS ACTUAL SIGN DIMENSIONS & FEATURES TO BE REMOVED MAY VARY.
- NO DISTINCTION IN SIGN TYPE WILL BE MADE FOR PAYMENT RELATED TO SIGN REMOVAL.

1 EXISTING AIRFIELD SIGN DETAIL

N.T.S.

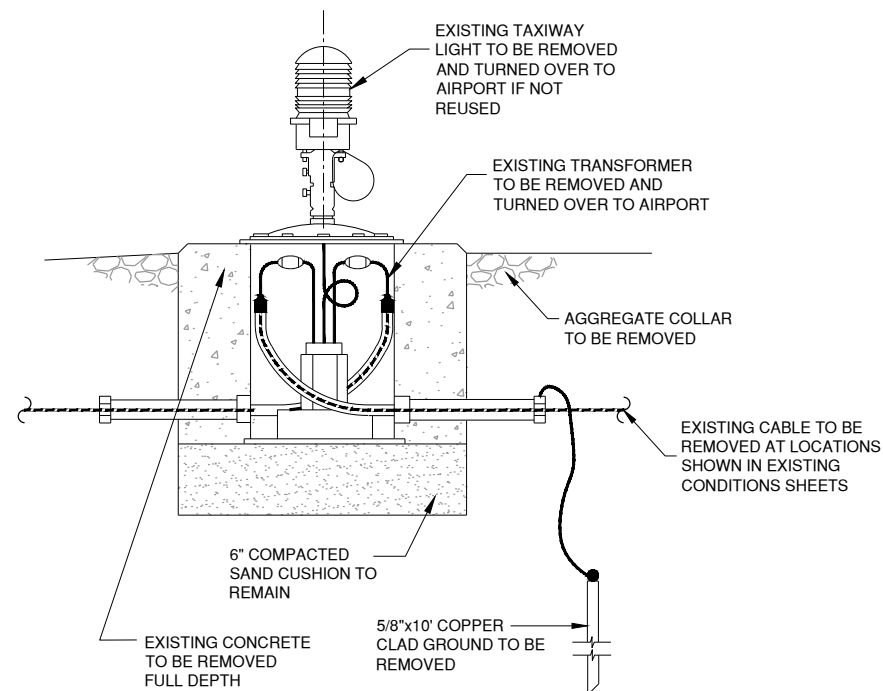


3 COMPLETED BASE MOUNTED LIGHT REMOVAL

N.T.S.

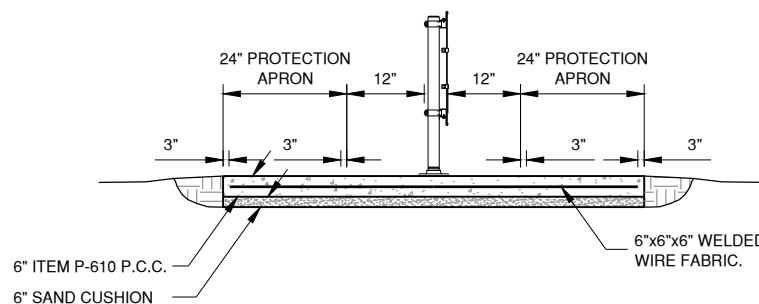
NOTES

- FOR PAY ITEM "REMOVE & REPLACE XFMR & FIXTURE," CONTRACTOR SHALL DISCONNECT EXISTING TRANSFORMER & QUART LIGHT FROM THE EXISTING PCC BASE AND INSTALL NEW XFMR W/ LED FIXTURE ON EXISTING BASE. CONTRACTOR SHALL MAKE APPROPRIATE CONNECTIONS FOR A COMPLETE OPERATIONAL UNIT.

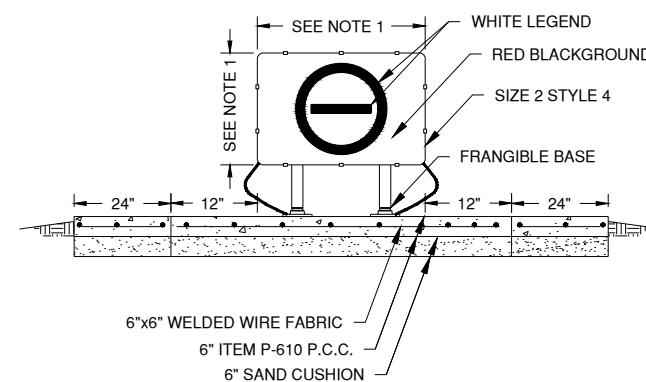


2 EXISTING BASE MOUNTED LIGHT (TO BE REMOVED)

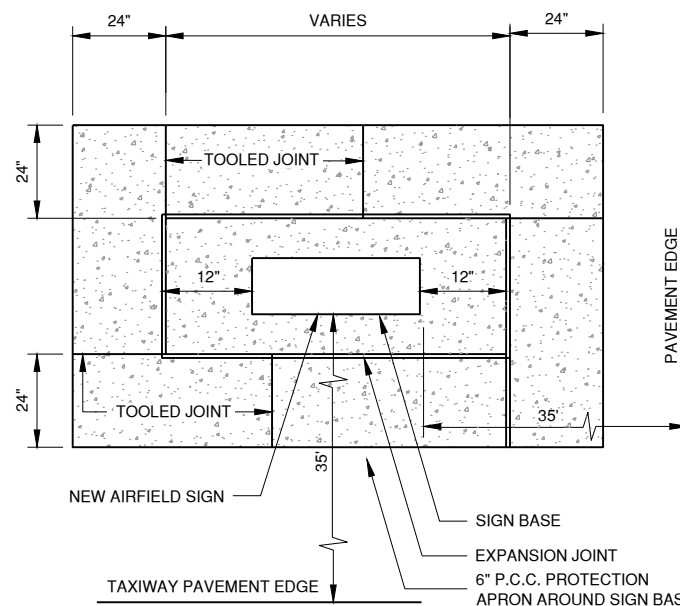
N.T.S.



SECTION A-A



FRONT VIEW



PLAN VIEW

NOTES

- NEW L-858C UNLIGHTED NO ENTRY SIGN SHALL BE SIZE 2 AND DIMENSIONED PER FAA AC 150/5345-44 (CURRENT.)

4 UNLIGHTED L-858 AIRFIELD NO ENTRY SIGN

N.T.S.

JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

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SAVOY, ILLINOIS

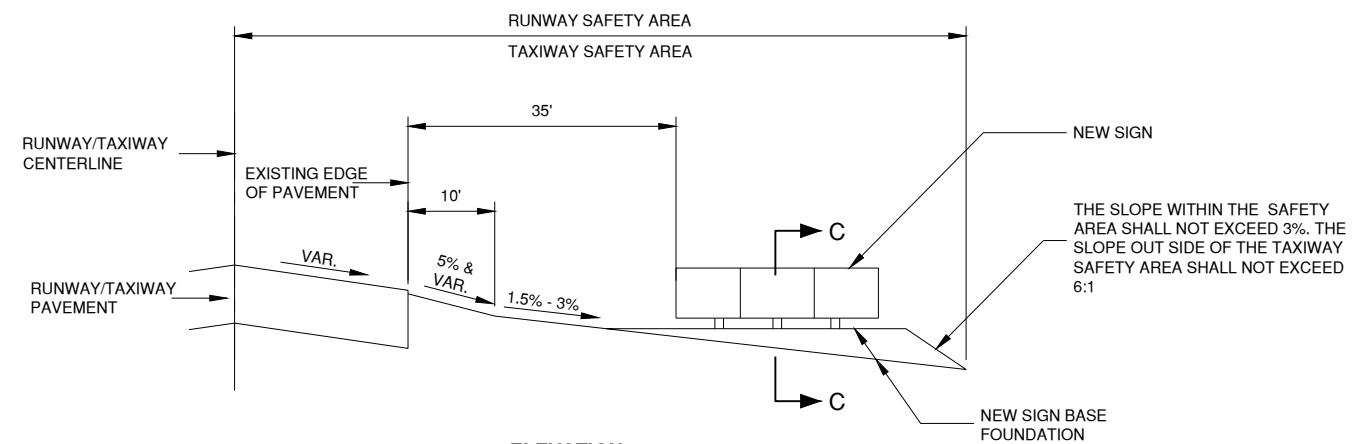
MARK	DATE	DESCRIPTION

AIP PROJ. NO. 3-17-0016-TBD	UNXXX
IL PROJ. NO. CMI-4693	
CMT PROJECT NO: 180059-02-00	
CAD DWG FILE: 18005902-EL503.DWG	
DESIGNED BY: EMH	
DRAWN BY: DPA	
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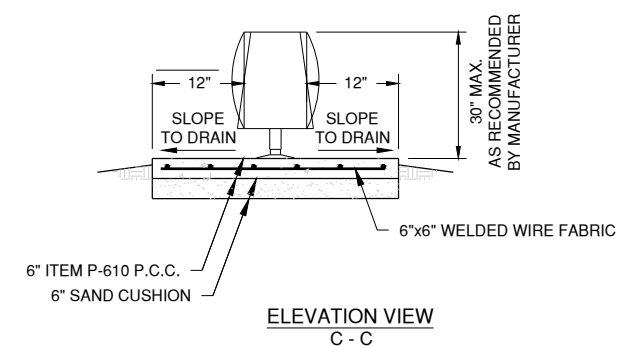
SHEET TITLE

ELECTRICAL DETAILS

3



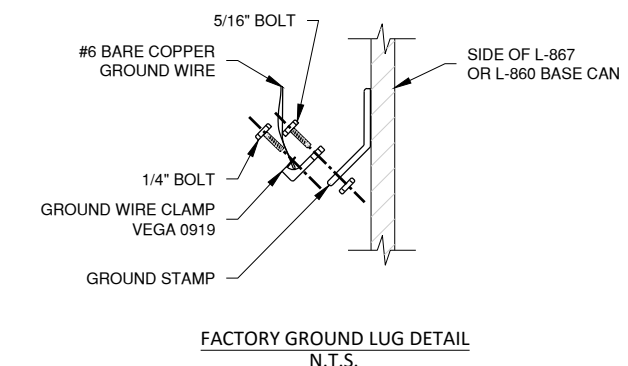
**ELEVATION**



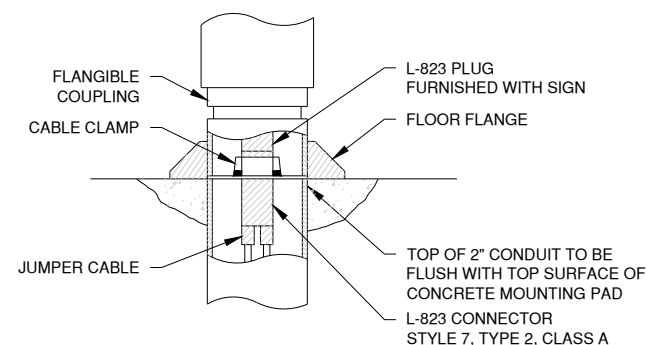
**ELEVATION VIEW C - C**

**SIGN NOTES**

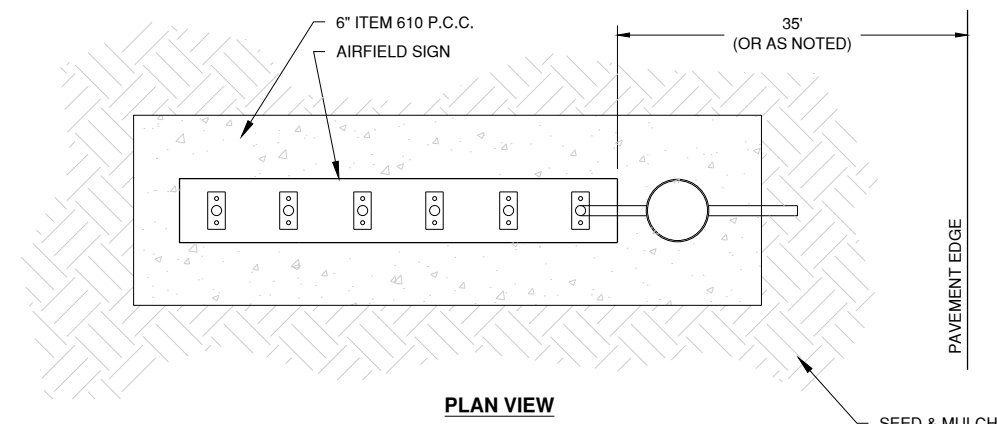
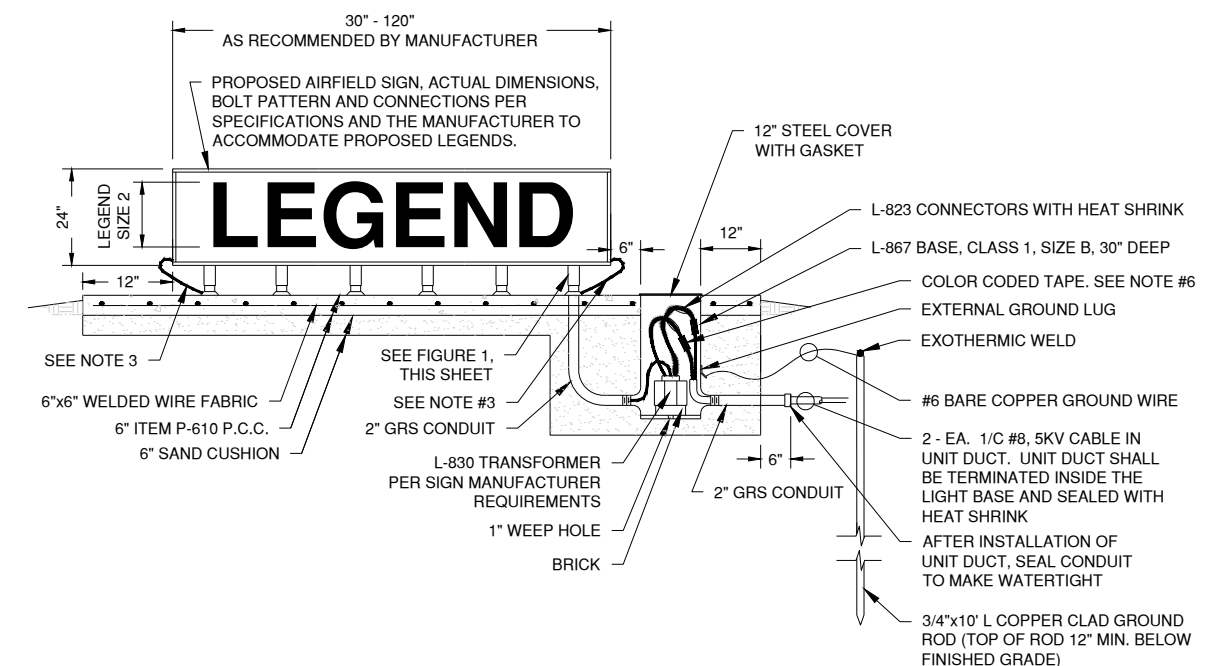
1. SLOPES SHOWN ARE FROM FAA STANDARDS AND MAY NOT REFLECT THE ACTUAL GRADES IN THE FIELD
2. ESTIMATED 1 C.Y. OF EMBANKMENT MAY BE REQUIRED TO CONSTRUCT SIGN BASE FOUNDATION. COSTS TO CONSTRUCT SHALL BE INCIDENTAL TO SIGN PAY ITEM.
3. ACTUAL LOCATION OF THE SIGN WITHIN THE TAXIWAY SAFETY AREA WILL VARY DUE TO PAVEMENT WIDTHS AND VARIANCES IN SIGN FOUNDATION LENGTHS.
4. 4" OF KNITTED STRAW MAT SHALL BE PLACED AROUND THE PROTECTION APRON. COST FOR MAT SHALL BE INCIDENTAL TO SIGN PAY ITEM.



**FACTORY GROUND LUG DETAIL N.T.S.**



**FIGURE 1 ELECTRICAL CONNECTION DETAIL**



**PLAN VIEW**

**1 L-858 AIRFIELD SIGN DETAIL N.T.S.**

**AIRFIELD SIGN NOTES**

1. TRANSFORMER WATTAGE SHALL BE AS REQUIRED BY SIGN MANUFACTURER. SIGNS ON RUNWAY CIRCUITS SHALL BE STYLE 2 OR 3 DEPENDING ON REGULATOR.
2. SIGN LEGEND SHALL BE AS SHOWN IN THE PLANS. SIGN SCHEDULE IS SUBJECT TO FAA APPROVAL OF THE SIGNAGE PLAN. CHANGES TO NEW LEGENDS MAY OCCUR DURING CONSTRUCTION.
3. SIGN ANCHOR TETHERS AND GROUND WIRES ARE REQUIRED. SEE SPECIFICATIONS.
4. SIGNS SHALL BE SIZE 2, STYLE 2 OR 3, CLASS 2, AND MODE 2. SEE SIGN SCHEDULE FOR DETAILS
5. LIGHT I.D. TAG FOR SIGN SHALL INCLUDE SIGN DESIGNATOR SHOWN IN THE PLAN TABLES.
6. DIRECTION OF PRIMARY CABLES MUST BE IDENTIFIED BY COLOR CODING AS FOLLOWS: WHEN FACING SIGN IN BACK FACING THE RELATED RUNWAY OR TAXIWAY PAVEMENT, THE CABLE FOR THE CIRCUIT TO THE LEFT IS CODED RED AND CABLE FOR THE CIRCUIT TO THE RIGHT IS CODED BLUE.

JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

OWNER

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WILLARD AIRPORT  
SAVOY, ILLINOIS

MARK	DATE	DESCRIPTION

**ELECTRICAL DETAILS**  
4

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Date: Monday, July 8, 2019 4:58:12 PM

Path: K:\Champaign\A\18005902-00\Draw\Sheets\18005902-EL503.dwg  
Date: Monday, July 8, 2019 4:58:20 PM

SIGN #	SIDE	EX SIGN LEGEND	NEW SIGN LEGEND	WHITE WITH BLACK OUTLINE ON RED BACKGROUND	BLACK LEGEND ON YELLOW BACKGROUND	YELLOW LEGEND ON BLACK BACKGROUND	NUMBER OF CHARACTERS	NEW POWER CIRCUIT	SIGN STYLE	CKT INTENSITY	REG OUTPUT	CONTRACT	SIGN SIZE	SIGN MODE	SIGN CLASS
B-7	NW SE	B B 4	B B 4	4		B B	2	4-22	3	HIGH	6.6	BASE BID	2	2	2
B-8	NE SW	B B 14R-32L	B B 14R-32L	14R-32L		B B	8	14R-32L	2	MEDIUM	6.6	BASE BID	2	2	2
B-9	NW SE	←B	←B		←B		2	TXY B	2	MEDIUM	6.6	BASE BID	2	2	2
B-10	NE SW	B 32R-14L B	B 32R-14L B	32R-14L		B B	8	14L-32R	3	HIGH	20.0	BASE BID	2	2	2
B-11	NE SW	B B 14L-32R	B B 14L-32R	14L-32R		B B	8	14L-32R	3	HIGH	20.0	BASE BID	2	2	2
B-12	NE SW	←B 4	←B 4		←B	4	2	TXY B	2	MEDIUM	6.6	BASE BID	2	2	2
C-1	NE SW	ⓀD 1D D	ⓀD 1D D		ⓀD 1	D D	4	CENTER	2	MEDIUM	6.6	BASE BID	2	2	2
C-2	NE SW	D 1 D 1ⓀDⓀ	D 1 D 1ⓀDⓀ		ⓀDⓀ	D1 D1	5	CENTER	2	MEDIUM	6.6	BASE BID	2	2	2
C-3	NW SE	E ⓀAⓀBⓀEⓀCⓀDⓀ						CENTER	2	MEDIUM		NOT IN CONTRACT	2	2	2
C-4	NE SW	←E A ↑ B Ⓚ C ↓ D						CENTER	2	MEDIUM		NOT IN CONTRACT	2	2	2
C-5	NW SE	←D C E ↑ A Ⓚ B → C			←D E ↑ A Ⓚ B →	C C		CENTER	2	MEDIUM		NOT IN CONTRACT	2	2	2
C-6	NE SW	C →	C →		C →		2	CENTER	2	MEDIUM	6.6	BASE BID	2	2	2
C-7	NW SE	C C 4 - 22	C C 4 - 22	4 - 22		C C	5	4-22	3	HIGH	6.6	BASE BID	2	2	2
C-8	NE SW	B ←C ↑ D B E ↑ A →			←C ↑ D E ↑ A →	B B		CENTER	2	MEDIUM		NOT IN CONTRACT	2	2	2
C-9	NW SE	←B	←B		←B		2	CENTER	2	MEDIUM	6.6	BASE BID	2	2	2
C-10	NW SE	B →	B →		B →		2	CENTER	2	MEDIUM	6.6	BASE BID	2	2	2
C-11	NE SW	B 32R - 14L B	B 32R - 14L B	32R - 14L		B B	8	14L-32R	3	HIGH	20.0	BASE BID	2	2	2
C-12	NW SE	E ⓀAⓀBⓀEⓀCⓀDⓀ						CENTER	2	MEDIUM		NOT IN CONTRACT	2	2	2
C-13	NW SE	←A 2 A A	←A 2 A A		←A 2	A A	4	CENTER	2	MEDIUM	6.6	BASE BID	2	2	2
C-14	NW SE	A ←B A C Ⓚ D Ⓚ E →						CENTER	2	MEDIUM		NOT IN CONTRACT	2	2	2
C-15	NW SE	A A A 2 →	A A A 2 →		A 2 →	A A	4	CENTER	2	MEDIUM	6.6	BASE BID	2	2	2
C-16	NE SW	A 2 ← A → A 2	A 2 ← A → A 2		← A →	A 2 A 2	5	CENTER	2	MEDIUM	6.6	BASE BID	2	2	2
C-17	NW SE	←C		←C			2	CENTER	2	MEDIUM	6.6	BASE BID	2	2	2
A-1	NW SE	A A 5 → FBO →			A 5 → FBO →	A	4	TXY A	2	MEDIUM	6.6	NOT IN CONTRACT	2	2	2
A-2	NE SW	A 6 ← A → A 6			← A →	A 6 A 6	5	TXY A	2	MEDIUM	6.6	NOT IN CONTRACT	2	2	2
A-8	NW SE	←A 5			←A 5		3	TXY A	2	MEDIUM	6.6	NOT IN CONTRACT	2	2	2
A-9	NE SW	A 6 ↑			A 6 ↑		3	TXY A	2	MEDIUM	6.6	NOT IN CONTRACT	2	2	2
A-10	NW SE	←A 3 A	←A 3 A		←A 3	A	4	TXY A	2	MEDIUM	6.6	BASE BID	2	2	2
A-11	NW SE	A A A 3 →	A A A 3 →		A 3 →	A A	4	TXY A	2	MEDIUM	6.6	BASE BID	2	2	2
A-12	NE SW	A 3 ← A →	A 3 ← A →		← A →	A 3	5	TXY A	2	MEDIUM	6.6	BASE BID	2	2	2
A-13	NW SE	←A 4 A	←A 4 A		←A 4	A	4	TXY A	2	MEDIUM	6.6	BASE BID	2	2	2
A-14	NE SW	A 4 ← A →	A 4 ← A →		← A →	A 4	5	TXY A	2	MEDIUM	6.6	BASE BID	2	2	2
A-15	NW SE	A A A 4 →	A A A 4 →		A 4 →	A A	4	TXY A	2	MEDIUM	6.6	BASE BID	2	2	2
A-16	NW SE	←A 6 A	←A 6 A		←A 6	A	4	TXY A	2	MEDIUM	6.6	BASE BID	2	2	2
A-17	NW SE	←A 7 A FBO ↑	←A 7 A FBO ↑		←A 7 FBO ↑	A	4	TXY A	2	MEDIUM	6.6	BASE BID	2	2	2
A-18	NE SW	A 7 ↑	A 7 ↑		A 7 ↑		3	TXY A	2	MEDIUM	6.6	BASE BID	2	2	2
A-19	NE SW	A 7 ← A → A 7	A 7 ← A → A 7		← A →	A 7 A 7	5	TXY A	2	MEDIUM	6.6	BASE BID	2	2	2
A-20	NW SE	32R ↑ A A 7 →	32R ↑ A A 7 →		32R ↑ A 7 →	A	4	TXY A	2	MEDIUM	20.0	BASE BID	2	2	2
A-21	NE SW	32R A A ≡≡≡ *	32R A A ≡≡≡ *	32R	≡≡≡ *	A A	4 *	14L-32R	3	HIGH	20.0	BASE BID	2	2	2
A-22	NW SE	←A	←A		←A		2	TXY A	2	MEDIUM	6.6	BASE BID	2	2	2
A-23	NE SW	A 32R ≡≡≡ A *	A 32R ≡≡≡ A *	32R	≡≡≡ *	A A	4 *	14L-32R	3	HIGH	20.0	BASE BID	2	2	2

SIGN #	SIDE	NEW SIGN LEGEND	WHITE WITH BLACK OUTLINE ON RED BACKGROUND	BLACK LEGEND ON YELLOW BACKGROUND
R-1	NE SW	←B →		←B →
R-2	NE SW	⊖	⊖	
R-3	NE SW	←B →		←B →
R-4	NE SW	⊖	⊖	
R-5	NW SE	←A →		←A →
R-6	NW SE	⊖	⊖	

- UNLIT TAXIWAY GUIDANCE SIGNS SHALL BE PAID UNDER AR125462.
- "NO ENTRY" SIGNS (⊖) SHALL BE PAID FOR UNDER AR910200.

- NOTES:**
- SEE SHEET EL118 FOR CONTINUATION OF THIS SIGN SCHEDULE.
- HOLD MARKING SIGNS TYPICALLY REQUIRE **TWO** MODULES.  
\* CONTRACTOR SHALL SIZE SIGN PER FAA AC 150/5340-18.F, FIGURE 9.



License No. 184-000613

CONSULTANTS

JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE

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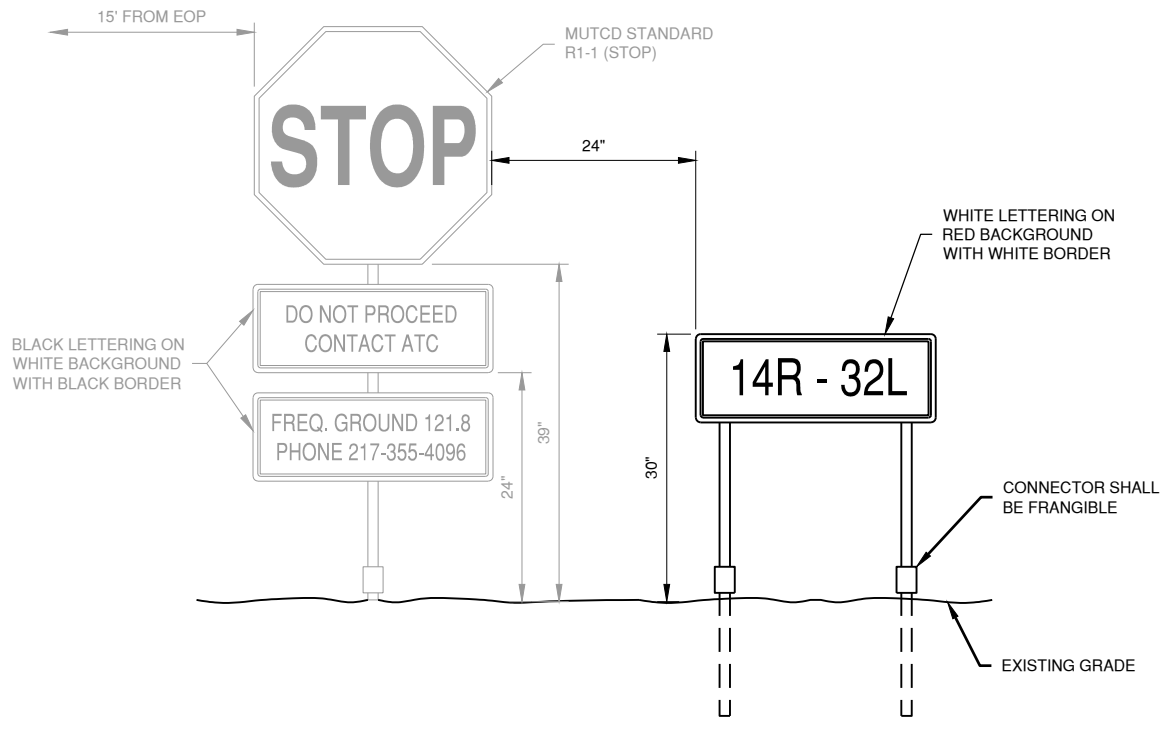


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SAVOY, ILLINOIS

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CAD DWG FILE: 18005902-EL503.DWG	
DESIGNED BY: EMH	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: CBG	
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SIGN SCHEDULE



**1** TAXI GUIDANCE SIGN, UNLIT  
INSTALLED NEXT TO EXIST. STOP SIGN  
N.T.S.



**2** 'DO NOT PROCEED' SIGN DETAIL  
N.T.S.

**N.I.C.**

JUNE 5, 2019

INSTALL TAXIWAY LIGHTING & SIGNAGE



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AIP PROJ. NO. 3-17-0016-TBD	UNXXX
IL PROJ. NO. CMI-4693	
CMT PROJECT NO: 180059-02-00	
CAD DWG FILE: 18005902-EL506.DWG	
DESIGNED BY: EMH	
DRAWN BY: DPA	
CHECKED BY: MJJ	
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SHEET TITLE  
**ROADWAY SIGN  
DETAILS**

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