

CONSTRUCTION PLANS FOR QUINCY REGIONAL AIRPORT

CITY OF QUINCY
 QUINCY, IL

FINAL SUBMITTAL
 IL. PROJ. NO: UIN-4834
 AIP PROJ. NO: 3-17-0085-XX

RECONSTRUCT RUNWAY 4/22, PHASE 1 (CONSTRUCTION)

NOVEMBER 20, 2020

811 Know what's below.
 Call before you dig.
 COMMON GROUND ALLIANCE
 www.call811.com or
 Phone: 811

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. 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 COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL 911 IN THE EVENT IN WHICH DAMAGE RESULTS IN THE RELEASE OF NATURAL GAS.

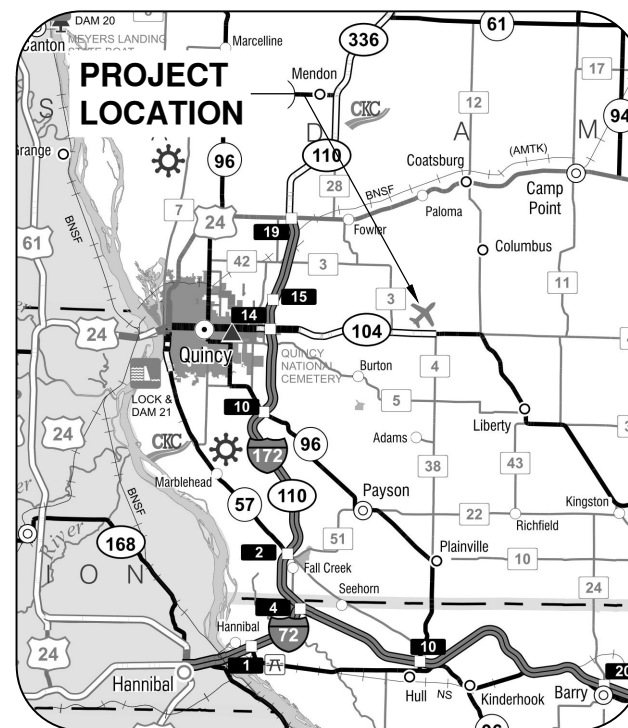
DESIGN INFORMATION

GEOMETRIC CRITERIA

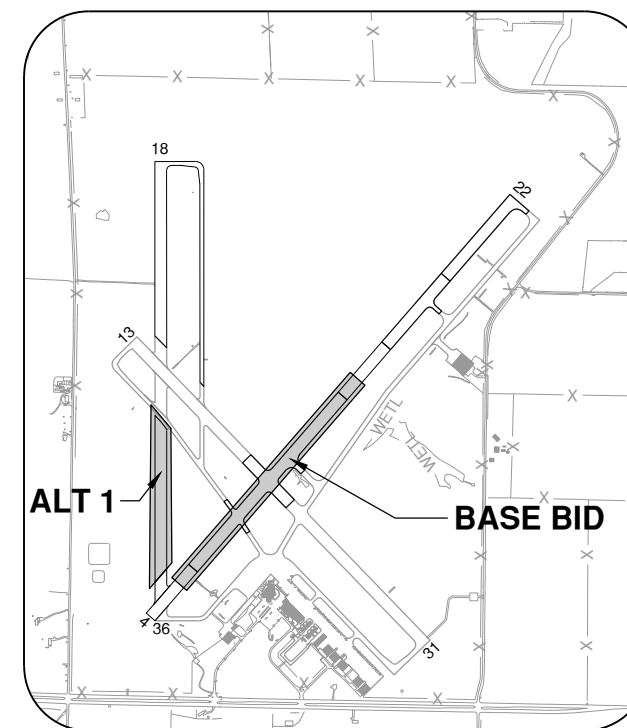
AIRCRAFT APPROACH CATEGORY (AAC): C
 AIRPLANE DESIGN GROUP (ADG): III
 TAXIWAY DESIGN GROUP (TDG): 3
 TAXIWAY SAFETY AREA (TSA): 118'
 TAXIWAY OBJECT FREE AREA (TOFA): 186'
 RUNWAY SAFETY AREA (RSA): 500'
 RUNWAY OBJECT FREE AREA (ROFA): 800'

QUINCY REGIONAL AIRPORT

TOWNSHIP: 1 SOUTH
 RANGE: 7 WEST
 SECTION: 34
 COUNTY: ADAMS
 CIVIL TOWNSHIP: GILMER



LOCATION MAP



SITE PLAN

H. WESLEY IOERGER
 062.069455
 LICENSED
 PROFESSIONAL
 ENGINEER
 STATE OF ILLINOIS
 EXPIRES: 11/30/2021
 W. M.
 11/20/2020



CITY OF QUINCY
 QUINCY REGIONAL AIRPORT
 QUINCY, ILLINOIS

APPROVED *[Signature]*
 AIRPORT DIRECTOR
 DATE 11/20/2020



■ SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO

SUBMITTED BY *[Signature]*
 DATE 11/20/2020

CMT JOB NUMBER: 180020-01-00

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SUMMARY OF QUANTITIES			
BASE BID - REHABILITATE RUNWAY INTERSECTION			
ITEM NO.	ITEM DESCRIPTION	UNITS	QTY
AR 108108	1/C #8 5 KV UG CABLE	LF	2910.0
AR 108158	1/C #8 5 KV UG CABLE IN UD	LF	3800.0
AR 108208	2/C #8 5 KV UG CABLE	LF	175.0
AR 108258	2/C #8 5 KV UG CABLE IN UD	LF	3500.0
AR 108706	1/C #6 CO COUNTERPOISE	LF	8325.0
AR 110102	DUCT MARKER - IN PAVEMENT	EA	18.0
AR 125100	ELEVATED RETROREFLECTIVE MARKER	EA	4.0
AR 125415	MITL BASE MOUNTED	EA	3.0
AR 125417	MITL BASE MOUNTED IN SHOULDER	EA	7.0
AR 125442	TAXI GUIDANCE SIGN, 2 CHARACTER	EA	5.0
AR 125444	TAXI GUIDANCE SIGN, 4 CHARACTER	EA	2.0
AR 125445	TAXI GUIDANCE SIGN, 5 CHARACTER	EA	7.0
AR 125446	TAXI GUIDANCE SIGN, 6 CHARACTER	EA	1.0
AR 125470	MODIFY EXISTING SIGN PANEL	EA	1.0
AR 125510	MIRL BASE MOUNTED	EA	2.0
AR 125560	RUNWAY DISTANCE REMAINING SIGN	EA	1.0
AR 125565	SPLICE CAN	EA	4.0
AR 125901	REMOVE STAKE MOUNTED LIGHT	EA	5.0
AR 125904	REMOVE TAXI GUIDANCE SIGN	EA	9.0
AR 125942	ADJUST BASE MOUNTED LIGHT	EA	8.0
AR 125943	ADJUST INPAVEMENT LIGHT	EA	3.0
AR 125962	RELOCATE BASE MOUNTED LIGHT	EA	26.0
AR 150510	ENGINEER'S FIELD OFFICE	LS	1.0
AR 152455	EMBANKMENT IN PLACE	CY	9100.0
AR 156520	INLET PROTECTION	EA	14.0
AR 156530	TEMPORARY SEEDING	AC	2.0
AR 201660	BITUMINOUS CRACK REPAIR	LF	7300.0
AR 401610	BITUMINOUS SURFACE COURSE	TON	15120.0
AR 401640	BITUMINOUS PAVEMENT GROOVING	SY	63800.0
AR 401650	BITUMINOUS PAVEMENT MILLING	SY	63800.0
AR 403610	BITUMINOUS BASE COURSE	TON	20760.0
AR 501550	PCC PAVEMENT MILLING	SY	2000.0
AR 603510	BITUMINOUS TACK COAT	GAL	93000.0
AR 620520	PAVEMENT MARKING - WATERBORNE	SF	25815.0
AR 620525	PAVEMENT MARKING - BLACK BORDER	SF	4000.0
AR 620590	TEMPORARY MARKING	SF	30000.0
AR 701515	15" RCP, CLASS IV	LF	342.0
AR 701518	18" RCP, CLASS IV	LF	1121.0
AR 701900	REMOVE PIPE	LF	1165.0
AR 741415	INLET - SPECIAL	EA	11.0
AR 751900	REMOVE INLET	EA	4.0
AR 751952	ADJUST UNDERDRAIN STRUCTURE	EA	2.0
AR 901510	SEEDING	AC	21.0
AR 904510	SODDING	SY	4250.0
AR 908515	HEAVY-DUTY HYDRAULIC MULCH	AC	21.0

SUMMARY OF QUANTITIES			
ADDITIVE ALTERNATE 1 - REMOVE 18/36 SOUTH			
ITEM NO.	ITEM DESCRIPTION	UNITS	QTY
AS 108158	1/C #8 5 KV UG CABLE IN UD	LF	2100.0
AS 108706	1/C #6 CO COUNTERPOISE	LF	750.0
AS 125415	MITL BASE MOUNTED	EA	3.0
AS 125417	MITL BASE MOUNTED IN SHOULDER	EA	7.0
AS 125901	REMOVE STAKE MOUNTED LIGHT	EA	53.0
AS 125902	REMOVE BASE MOUNTED LIGHT	EA	60.0
AS 125904	REMOVE TAXI GUIDANCE SIGN	EA	9.0
AS 125907	REMOVE REILS	PAIR	1.0
AS 125962	RELOCATE BASE MOUNTED LIGHT	EA	2.0
AS 152455	EMBANKMENT IN PLACE	CY	18490.0
AS 156520	INLET PROTECTION	EA	4.0
AS 401900	REMOVE BITUMINOUS PAVEMENT	SY	32750.0
AS 501120	RUBBLIZE PAVEMENT	SY	32750.0
AS 620520	PAVEMENT MARKING - WATERBORNE	SF	1700.0
AS 620525	PAVEMENT MARKING - BLACK BORDER	SF	1700.0
AS 620900	PAVEMENT MARKING REMOVAL	SF	1000.0
AS 901510	SEEDING	AC	11.5
AS 908515	HEAVY-DUTY HYDRAULIC MULCH	AC	11.5



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

FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX Q1063

IL PROJ. NO: UIN-4834

CMT PROJECT NO: 18002001

CAD DWG FILE: 180020-01 PH1 GI002.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: RLV

COPYRIGHT:

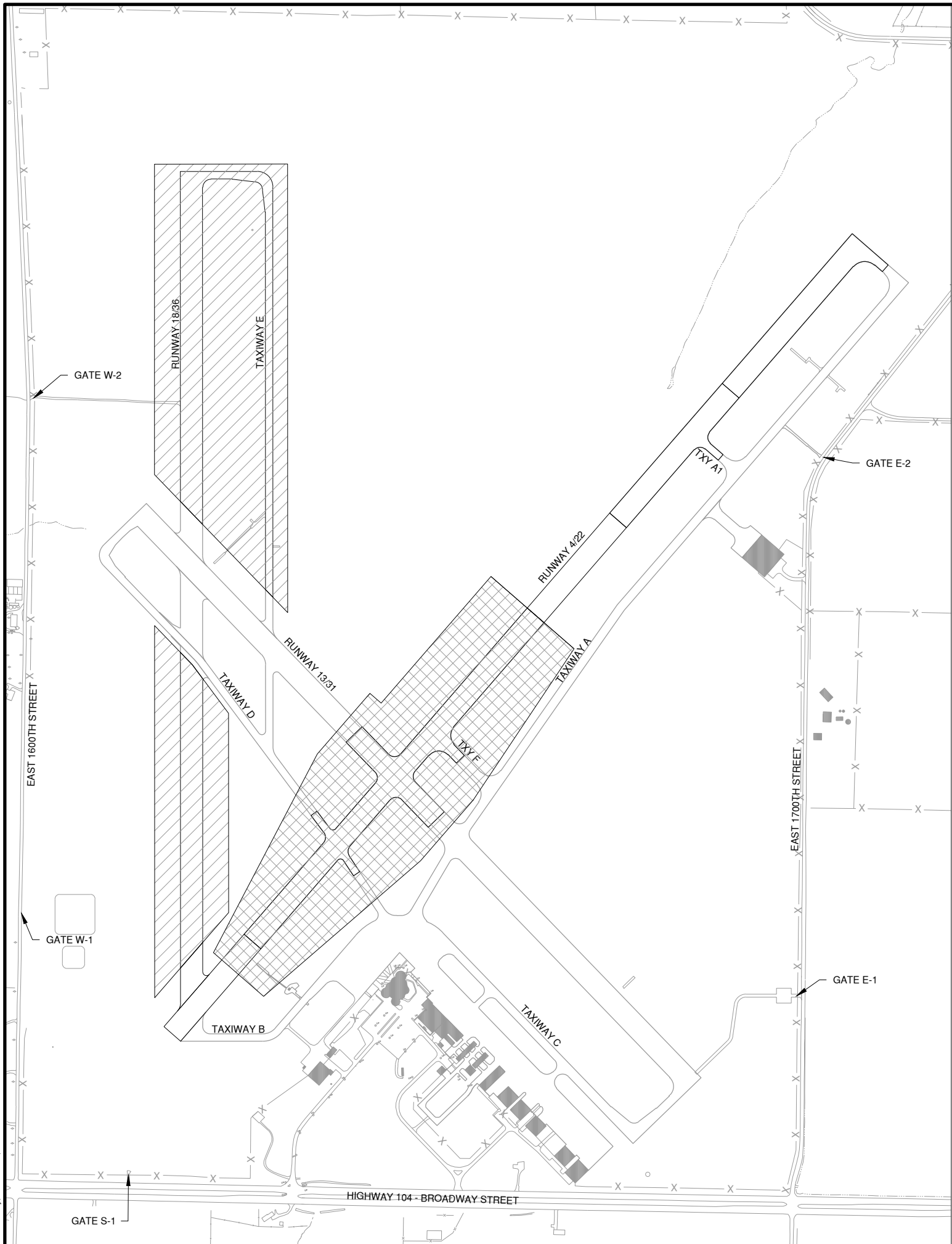
SHEET TITLE



INDEX TO SHEETS &
SUMMARY OF
QUANTITIES

GI002

SHEET 2 OF 93

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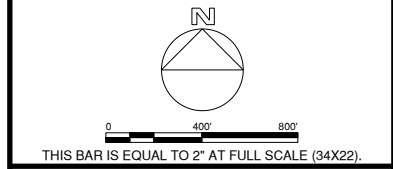


-  BASE BID - REHABILITATE RUNWAY INTERSECTION
-  ADD. ALT. 1 - REMOVE RUNWAY 18/36 SOUTH



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 QUINCY, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0085-XX	Q1063
IL PROJ. NO:	UIN-4834	
CMT PROJECT NO:	18002001	
CAD DWG FILE:	180020-01 PH1 GI101.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
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SHEET TITLE
AIRPORT SITE PLAN

(NOTES CONTINUED FROM SHEET GC001)

19. OTHER LIMITATIONS ON CONSTRUCTION

- 1. IF, DURING CONSTRUCTION, AN EMERGENCY IS DECLARED BY THE AIRPORT, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE PAVEMENT OF ALL VEHICLES, PERSONNEL AND EQUIPMENT.
- 2. BROKEN CONCRETE, BROKEN ASPHALT, RUBBISH FROM DEMO, AND OTHER MISCELLANEOUS DEBRIS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS OTHERWISE SPECIFIED.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEGGAR TESTING ALL EXISTING CIRCUITS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION AS SPECIFIED IN THE SPECIFICATIONS.

20. AIRPORT SECURITY REQUIREMENTS

- 1. MAINTAINING THE SECURITY REQUIREMENTS OF THE AIRPORT SHALL BE A PRIMARY CONCERN FOR THE CONTRACTOR.
- 2. A LIST OF PERSONNEL AUTHORIZED TO WORK ON THE AIRFIELD SHALL BE PROVIDED TO THE RESIDENT ENGINEER BY THE CONTRACTOR. THE SUPERINTENDENT AND FOREMAN THAT ARE ISSUED BADGES SHALL BE DIRECTLY RESPONSIBLE FOR THE IDENTITY AND LOCATION OF THOSE THEY ARE SUPERVISING WHILE ON THE AIRFIELD. BADGES SHALL BE RETURNED TO THE AIRPORT AT THE FINAL INSPECTION OR WHEN THE PERSON IS NO LONGER EMPLOYED BY THE CONTRACTOR. THE CONTRACTOR WILL PAY A FEE OF \$200.00 WITHIN 15 DAYS FOR EACH ACCESS BADGE THAT IS LOST, DESTROYED, STOLEN, OR NOT RETURNED AT THE FINAL INSPECTION.
- 3. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING AIRPORT SECURITY BY SUPERVISING OPENINGS OR MAINTAINING THE AIRPORT PERIMETER FENCE LINE AT ALL TIMES.
- 4. THE CONTRACTOR SHALL COMPLETE A SECURITY FORM FOR ALL PERSONNEL HE PROPOSES TO USE ON THE AIRPORT. THESE FORMS SHALL BE COMPLETED PRIOR TO THAT PERSON BEING ALLOWED ON THE AIRFIELD. A LIST OF PERSONNEL AUTHORIZED TO WORK ON THE AIRFIELD SHALL BE PROVIDED TO THE RESIDENT ENGINEER BY THE CONTRACTOR.
- 5. THE CONTRACTOR SHALL INSTALL AND USE TEMPORARY GATES FOR ACCESS TO THE AIRFIELD. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A HEAVY-DUTY PADLOCK ON THE ACCESS GATE. HE SHALL PROVIDE KEYS FOR HIS PADLOCK TO THE RESIDENT ENGINEER, THE MAINTENANCE SUPERVISOR, AND THE SECURITY CHIEF. NO ADDITIONAL KEYS ARE TO BE DISTRIBUTED UNLESS AUTHORIZED BY THE RESIDENT ENGINEER. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THE INSTALLATION AND REMOVAL OF TEMPORARY ACCESS GATES.
- 6. AS A MINIMUM, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY DURING CONSTRUCTION AS FOLLOWS:
 - a. POSSESS A COPY OF THE AIRPORT'S PROJECT SECURITY PLAN.
 - b. VISIBLY DELINEATE HIS CONSTRUCTION ZONE BY PLACING A LINE OF BARRICADES OR FLAGGING AROUND THE ENTIRE WORK ZONE DURING EACH PHASE OF THE CONTRACT.
 - c. COMPLY WITH THE AIRPORT'S SECURITY PLAN ASSOCIATED WITH THE CONSTRUCTION PROJECT AND ENSURE THAT CONSTRUCTION PERSONNEL ARE FAMILIAR WITH SECURITY PROCEDURES AND REGULATIONS ON THE AIRPORT.
 - d. ENSURE THAT NO CONSTRUCTION EMPLOYEES, EMPLOYEES OF SUBCONTRACTORS OR SUPPLIERS, OR OTHER PERSONS ENTER ANY PART OF THE AIRCRAFT OPERATIONS AREA FROM CONSTRUCTION SITE UNLESS AUTHORIZED.
 - e. THE AIRPORT MAY REQUIRE THAT ALL SECURITY GUARDS UNDERGO ADDITIONAL TRAINING NECESSARY TO MEET THE AIRPORT'S SECURITY NEEDS.
 - f. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN SECURITY ON THE AIRPORT AS SPECIFIED OR AS DIRECTED BY THE AIRPORT.
 - g. THE CONTRACTOR'S SUPERINTENDENT, FOREMAN, SECURITY GUARDS, AND ANY SUPERVISORY PERSONNEL IN CHARGE OF OTHER WORKERS SHALL OBTAIN AN AIRPORT SECURITY BADGE AND DISPLAY THIS BADGE WHILE ON SITE IN ACCORDANCE WITH FAA AND TSA REGULATIONS. CONTRACTOR PERSONNEL WITH BADGES SHALL BE DIRECTLY RESPONSIBLE FOR THE IDENTITY AND LOCATION OF THOSE THEY ARE SUPERVISING WHILE ON THE AIRFIELD.

20. AIRPORT SECURITY REQUIREMENTS (CONT'D)

- h. TO OBTAIN AIRPORT SECURITY BADGES, CONTRACTORS MUST COMPLETE A CRIMINAL HISTORY RECORDS CHECK TWO WEEKS PRIOR TO EMPLOYEES BEING ALLOWED ACCESS TO THE SITE. THE TWO-WEEK PERIOD IS NECESSARY FOR AN ADEQUATE TIME OF PROCESSING FINGERPRINTS FOR COMPLETING THE CRIMINAL HISTORY CHECK. THE CONTRACTOR IS REQUIRED TO DEPOSIT A \$200 FEE TO THE AIRPORT PER BADGE, WHICH IS 80% REFUNDABLE AFTER EACH BADGE IS RETURNED. THE AIRPORT MUST RECEIVE THIS FEE/DEPOSIT PRIOR TO CONDUCTING ANY OF THE SECURITY BADGE ISSUE PROCESS. THE CONTRACTOR IS REQUIRED TO CONTACT THE AIRPORT AT LEAST THREE CALENDAR DAYS PRIOR TO SCHEDULING FINGERPRINTING AND BADGE TRAINING. TRAINING LASTS APPROXIMATELY TWO HOURS AND CAN BE CONDUCTED INDIVIDUALLY OR WITH A GROUP.
- i. THE CONTRACTOR WILL DESIGNATE A MINIMUM OF ONE INDIVIDUAL TO BE THE 24-HOUR POINT OF CONTACT AND ASSUME ALL ON-SITE SECURITY RESPONSIBILITIES FOR ALL EMPLOYEES DURING THE PROJECT. THIS INDIVIDUAL SHALL PROVIDE THE AIRPORT A 24-HOUR CONTACT FOR EMERGENCY PURPOSES. THIS INDIVIDUAL WILL ALSO BE REQUIRED TO HAVE AVAILABLE AND PRESENT UPON REQUEST AT ANY TIME; A COPY OF THE TRANSPORTATION SECURITY ADMINISTRATION (TSA) APPROVED CHANGE OF CONDITION DURING THE PROJECT.
- j. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE ACCESS GATE CLOSED AND LOCKED DURING WORK HOURS. IF THE CONTRACTOR CHOOSES TO LEAVE THE GATE OPEN, THEN HE SHALL POST A COMPETENT, PROPERLY TRAINED SECURITY GUARD TO PREVENT UNAUTHORIZED ENTRIES. THE CONTRACTOR SHALL REPLACE ANY UNSATISFACTORY SECURITY GUARDS IF SO DIRECTED BY THE AIRPORT.
- k. 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 AND AIRPORT. NO ADDITIONAL KEYS ARE TO BE DISTRIBUTED UNLESS AUTHORIZED BY THE AIRPORT.
- l. THE CONTRACTOR SHALL PROVIDE A SIGN AT ALL ACCESS GATES STATING "AUTHORIZED PERSONNEL ONLY." ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- m. THE AIRPORT OPERATOR HAS A PROGRAM IN WHICH THE CONTRACTOR HAS THE ABILITY TO HAVE PERSONNEL APPROVED TO ACQUIRE ACCESS TO THE AIR OPERATIONS AREA (AOA) WITHOUT DRIVING PRIVILEGES FOR PURPOSES OF THIS CONTRACT. THOSE PERSON(S) HAVING ACCESS MUST SUCCESSFULLY COMPLETE SECURITY TRAINING AND PROVIDE PROPER DOCUMENTATION AS REQUIRED BY THE AIRPORT. PERSON(S) WITH ACCESS PRIVILEGES MUST SUCCESSFULLY COMPLETE THE NECESSARY SECURITY TRAINING IN ORDER THAT THEY CAN ESCORT ADDITIONAL WORKERS LIMITED TO HAVING ONLY CONTROLLED ACCESS PRIVILEGES.



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PHASE 1 (CONSTRUCTION)

OWNER



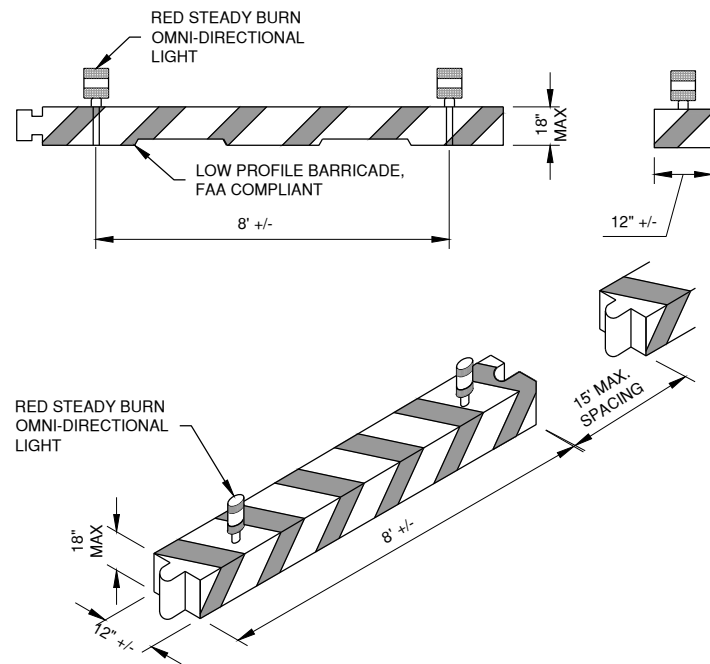
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX	Q1063
IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 GC001.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLW	
COPYRIGHT:	

SHEET TITLE
**CONSTRUCTION
ACTIVITY PLAN
NOTES 2**

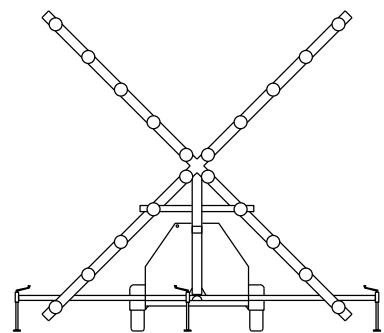
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Date: Monday, December 7, 2020 9:00:37 AM



1 BEAM BARRICADE DETAIL
N.T.S.

BEAM BARRICADE NOTES

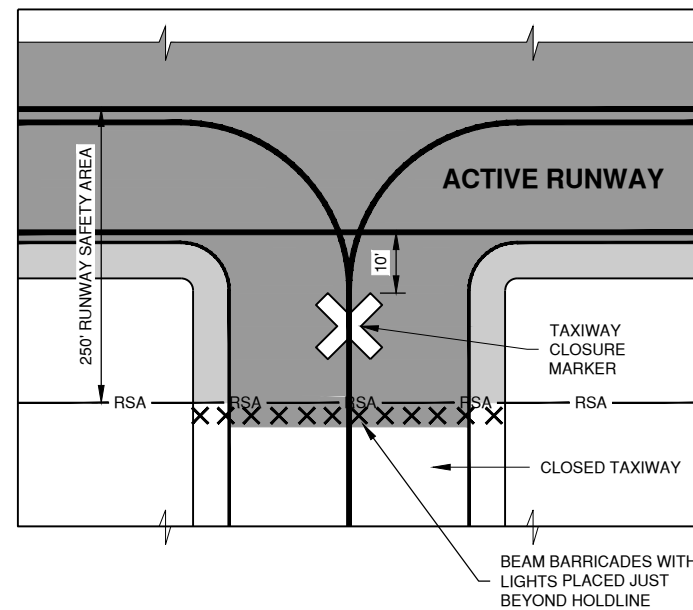
- BARRICADE SHALL BE WEIGHTED TO WITHSTAND DISPLACEMENT BY WIND, JET OR PROP BLAST.
- BARRICADE MUST BE OF LOW MASS AND EASILY COLLAPSIBLE UPON CONTACT WITH AN AIRCRAFT.
- NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- PLACE AS SHOWN IN PLANS AND AS DIRECTED BY THE ENGINEER.
- BARRICADES SHALL BE COMPLIANT WITH FAA AC 150/5370-2 (LATEST VERSION).



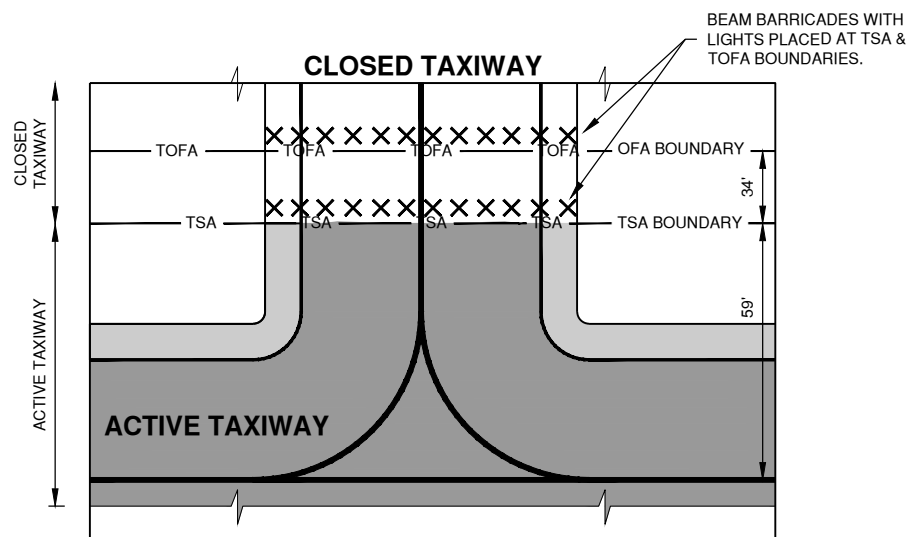
2 LIGHTED RUNWAY CLOSURE MARKER
N.T.S.

LIGHTED RUNWAY CLOSURE MARKER NOTES

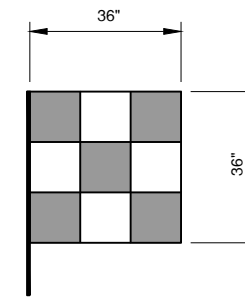
- TO BE PLACED ON PAVEMENT AT THE RUNWAY NUMERALS FOR NIGHTTIME CLOSURE.
- THE CONTRACTOR SHALL PROVIDE FOUR CLOSURE MARKERS (2 PAIR) AND MAINTAIN THEM (FUEL, OIL, LIGHT BULBS) WHEN USED DURING CONSTRUCTION CLOSURES.
- NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS ASSOCIATED WITH PROVIDING AND MAINTAINING THIS ITEM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.



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



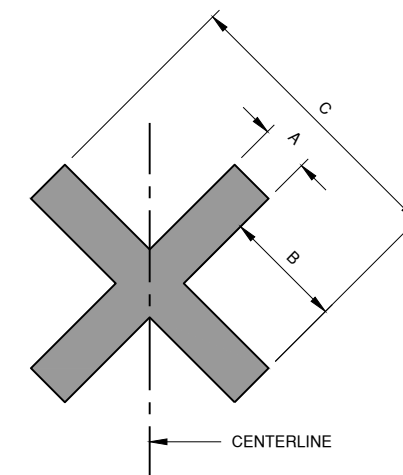
4 CLOSED TAXIWAY/ACTIVE TAXIWAY BARRICADE DETAIL
N.T.S.



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

SIGNAL FLAG NOTES

- ALL CONTRACTOR VEHICLES AND EQUIPMENT SHALL DISPLAY COMPANY LOGO PLACARDS AND FLAG.
- 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.



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

6 NON-LIGHTED CLOSURE MARKER
N.T.S.

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.



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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX	Q1063
IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 GC001.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
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SHEET TITLE
**CONSTRUCTION
ACTIVITY PLAN
DETAILS 1**

GC003
SHEET 6 OF 93

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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



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QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX **Q1063**

IL PROJ. NO: UIN-4834

CMT PROJECT NO: 18002001

CAD DWG FILE: 180020-01 PH1 GC001.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: MJD

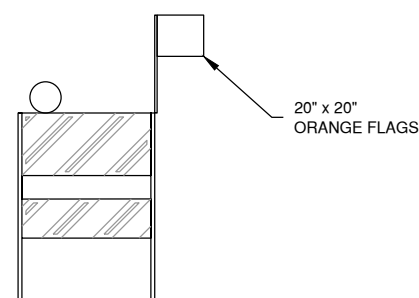
APPROVED BY: RLV

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SHEET TITLE

**CONSTRUCTION
ACTIVITY PLAN
DETAILS 2**

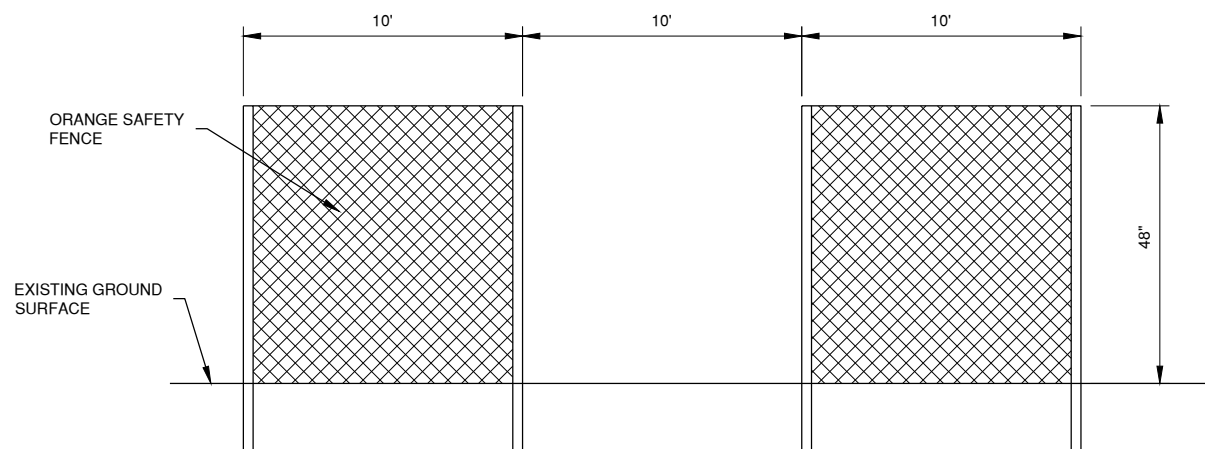
GC004
SHEET 7 OF 93



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

FLASHER BARRICADE NOTES

1. FLASHERS TO BE BATTERY OPERATED. LENS TO BE RED AND BE ABLE TO ROTATE 90 DEGREES.
2. SANDBAGS TO BE PLACED ON EACH SUPPORT BRACE AS REQUIRED TO PREVENT DISPLACEMENT BY WIND, JET OR PROP BLAST.
3. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
4. PLACE AT 20' INTERVALS.

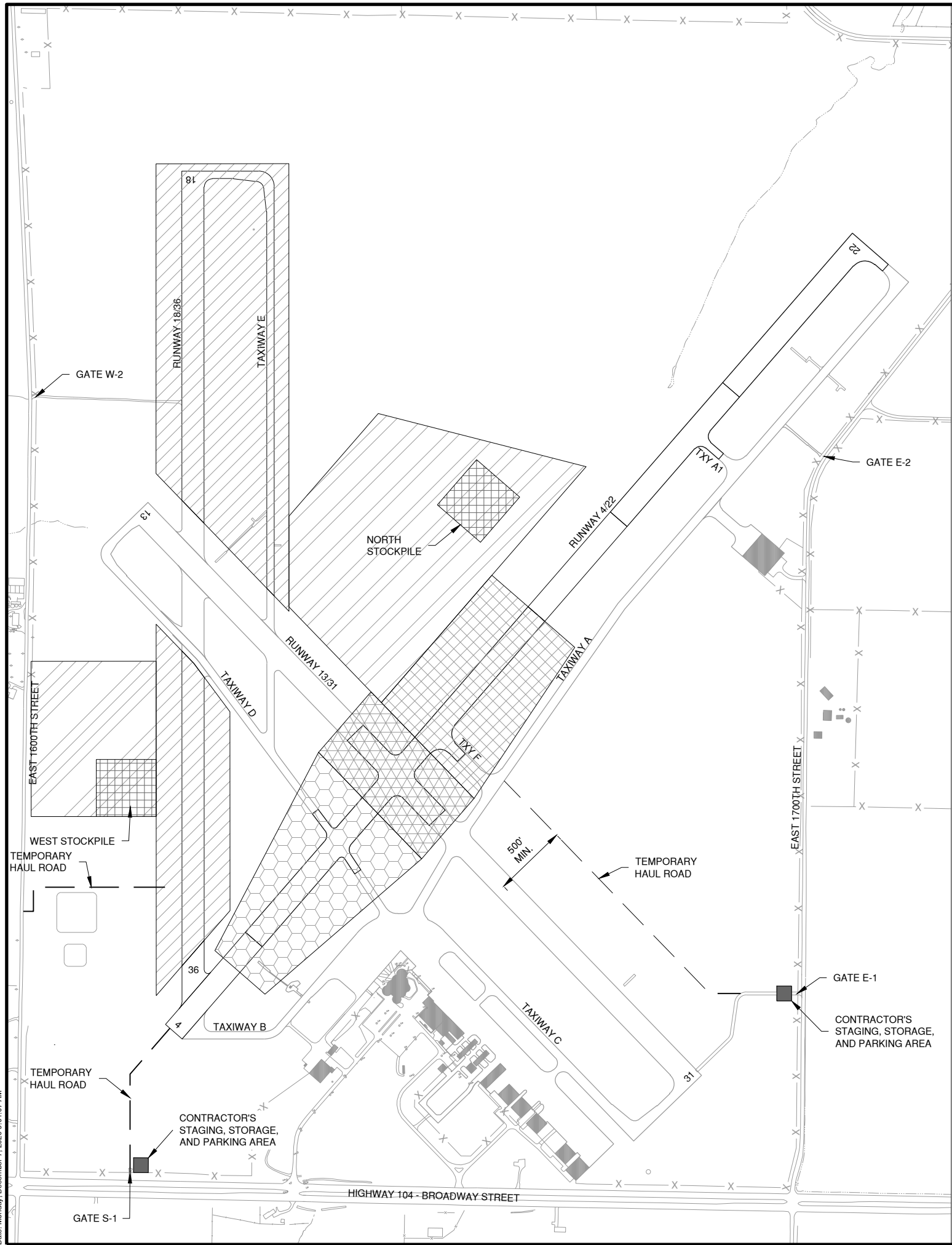


2 **BARRIER FENCE**
N.T.S.

BARRIER FENCE NOTES

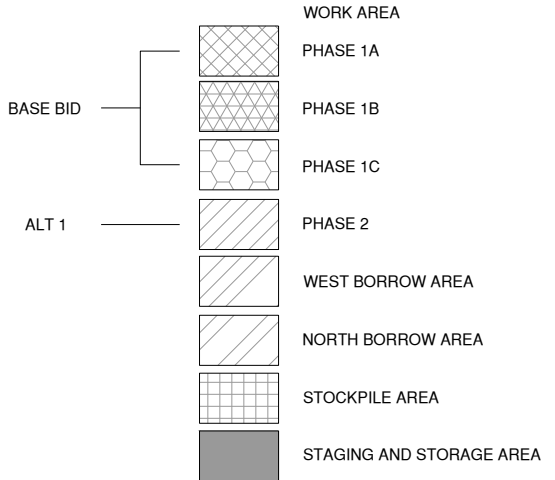
1. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
2. PLACE AT 10' INTERVALS.

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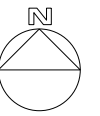
GENERAL PHASING NOTES

1. THE CONTRACTOR SHALL PROVIDE 72 HOUR NOTICE PRIOR TO INITIATING WORK ON ANY PHASE.
2. THE CONTRACTOR SHALL PLACE ALL RUNWAY CLOSURE MARKERS, TAXIWAY CLOSURE MARKERS, AND BARRICADES PRIOR TO STARTING WORK ON ANY PHASE.
3. BEAM BARRICADES SHALL BE PLACED AT 250 FEET FROM RUNWAY CENTERLINES, 59 FEET FROM TAXIWAY CENTERLINES, AS SHOWN ON THE PLANS OR AS SPECIFIED BY THE RPR.
4. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN ACTIVE PAVEMENTS DURING HAULING OPERATIONS AND AT THE END OF EACH WORKDAY.
5. AIRCRAFT & AIRPORT VEHICLES SHALL HAVE THE RIGHT OF WAY AT ALL TIMES.
6. THE CONTRACTOR SHALL MONITOR CTAF AT ALL TIMES DURING CONSTRUCTION OPERATIONS.
7. SHOULD THE CONTRACTOR CHOOSE TO USE MULTIPLE CONSTRUCTION CREWS IN MULTIPLE LOCATIONS TO PERFORM THE WORK, MULTIPLE FLAGMEN / RADIO OPERATORS WILL BE REQUIRED FOR EACH CREW.



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RECONSTRUCT RUNWAY 4/22,
 PHASE 1 (CONSTRUCTION)

OWNER



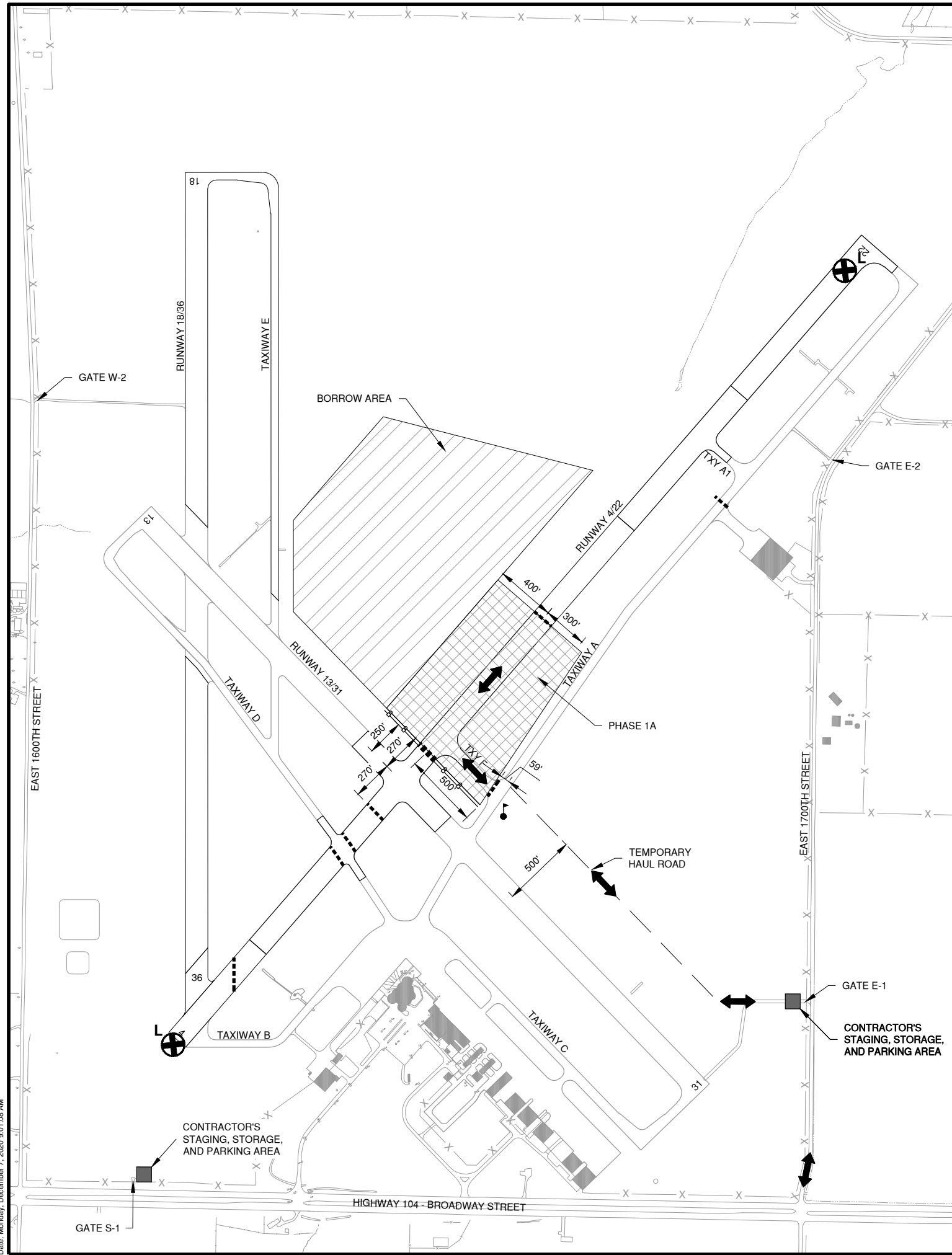
CITY OF QUINCY
 QUINCY REGIONAL AIRPORT
 QUINCY, IL

MARK	DATE	DESCRIPTION

SHEET TITLE
**CONSTRUCTION
 ACTIVITY PLAN
 OVERVIEW**

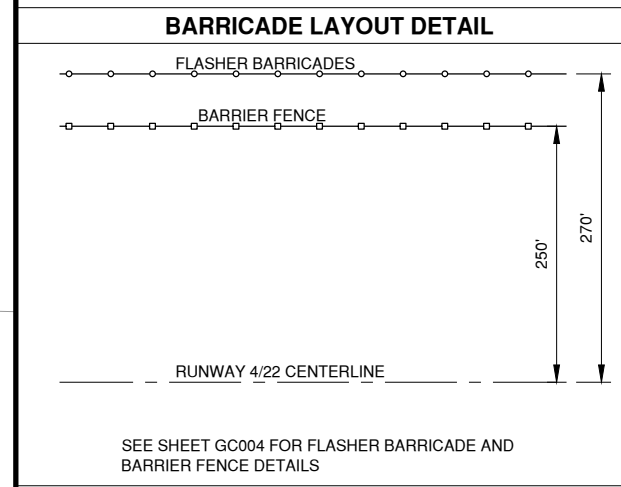
GC100
 SHEET 8 OF 93

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Date: Monday, December 7, 2020 9:01:08 AM



PHASE 1A NOTES

1. CONTRACTOR ACCESS FOR PHASE 1A SHALL BE THROUGH EXISTING GATE E-1.
2. PHASE 1A MAY NOT BE PERFORMED CONCURRENTLY WITH ANY OTHER PHASE.
3. WORK TO BE COMPLETED WITHIN THIS PHASE SHALL, AS A MINIMUM, INCLUDE THE FOLLOWING MAJOR WORK ITEMS:
 - A. REMOVE AND STORE EXISTING LIGHT FIXTURES FOR REINSTALLATION.
 - B. REMOVE AND DISPOSE OF EXISTING LIGHT BASES.
 - C. MILL AND OVERLAY RUNWAY 4/22 AND TAXIWAY F.
 - D. PAVEMENT MARKING.
 - E. GRADING AND DRAINAGE IMPROVEMENTS.
 - F. CONSTRUCT NEW LIGHT BASES AND INSTALL NEW LIGHTING CIRCUITS.
 - G. CONSTRUCT NEW SIGN BASES AND SIGNS.
 - H. REINSTALL EXISTING LIGHT FIXTURES ON NEW BASES.
 - I. TURFING.
4. A DOUBLE BARRICADE LINE SHALL BE PLACED ALONG THE SAFETY AREA OF RUNWAY 13/31. SEE BARRICADE LAYOUT DETAIL THIS SHEET.



LEGEND

	BEAM BARRICADES
	FLASHER BARRICADE
	BARRIER FENCE
	RUNWAY CLOSURE MARKER (LIGHTED)
	RUNWAY CLOSURE MARKER (PAINTED)
	TAXIWAY CLOSURE MARKER (PAINTED)
	TAXIWAY CLOSURE MARKER (TEMPORARY)
	CONTRACTOR'S ACCESS ROUTE
	FLAGMAN

PAVEMENT STATUS

PHASE 1A	
PAVEMENT	STATUS
RUNWAY 18/36	OPEN
RUNWAY 4/22	CLOSED
RUNWAY 13/31	OPEN
TAXIWAY A	CLOSED NORTH OF CORPORATE HANGAR
TAXIWAY A1	CLOSED
TAXIWAY B	OPEN
TAXIWAY C	OPEN
TAXIWAY D	OPEN
TAXIWAY E	OPEN
TAXIWAY F	CLOSED

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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22, PHASE 1 (CONSTRUCTION)

OWNER

Baldwin Field
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

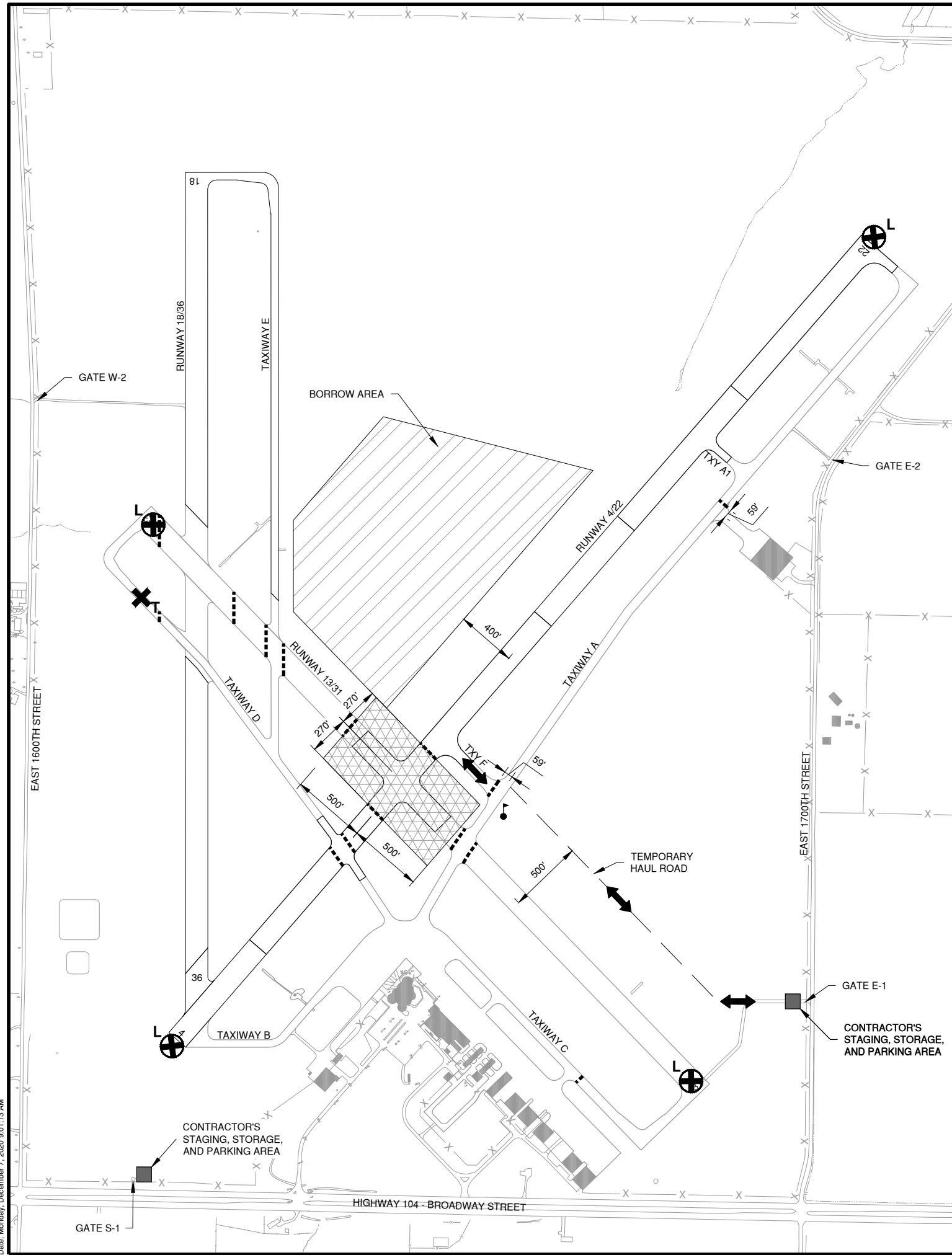
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AIP PROJ. NO: 3-17-0085-XX		Q1063
IL PROJ. NO: UIN-4834		
CMT PROJECT NO: 18002001		
CAD DWG FILE: 180020-01 PH1 GC100.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
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SHEET TITLE

CONSTRUCTION ACTIVITY PLAN - PHASE 1A

GC101
SHEET 9 OF 93

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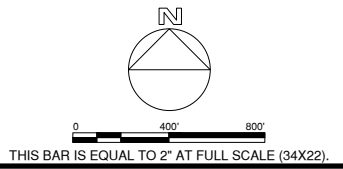


PHASE 1B NOTES

1. THE CONTRACTOR WILL BE ALLOWED TO CLOSE RUNWAY 13/31 AND 4/22 FOR NO MORE THAN 45 DAYS TO COMPLETE THE WORK IN THIS PHASE.
2. WORK IN PHASE 1B THAT OCCURS AFTER RUNWAY 18/36 IS CLOSED SHALL BE PERFORMED AS NIGHT WORK.
3. CONTRACTOR ACCESS FOR PHASE 1B SHALL BE THROUGH EXISTING GATE E-1.
4. PHASE 1B MAY NOT BE PERFORMED CONCURRENTLY WITH ANY OTHER PHASE.
5. WORK TO BE COMPLETED WITHIN THIS PHASE SHALL, AS A MINIMUM, INCLUDE THE FOLLOWING MAJOR WORK ITEMS:
 - A. REMOVE AND STORE EXISTING LIGHT FIXTURES FOR REINSTALLATION.
 - B. REMOVE AND DISPOSE OF EXISTING LIGHT BASES.
 - C. MILL AND OVERLAY RUNWAY 4/22 AND RUNWAY 13/31.
 - D. PAVEMENT MARKING.
 - E. GRADING AND DRAINAGE IMPROVEMENTS.
 - F. CONSTRUCT NEW LIGHT BASES AND INSTALL NEW LIGHTING CIRCUITS.
 - G. CONSTRUCT NEW SIGN BASES AND SIGNS.
 - H. REINSTALL EXISTING LIGHT FIXTURES ON NEW BASES.
 - I. TURFING.



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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

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QUINCY REGIONAL AIRPORT
QUINCY, IL

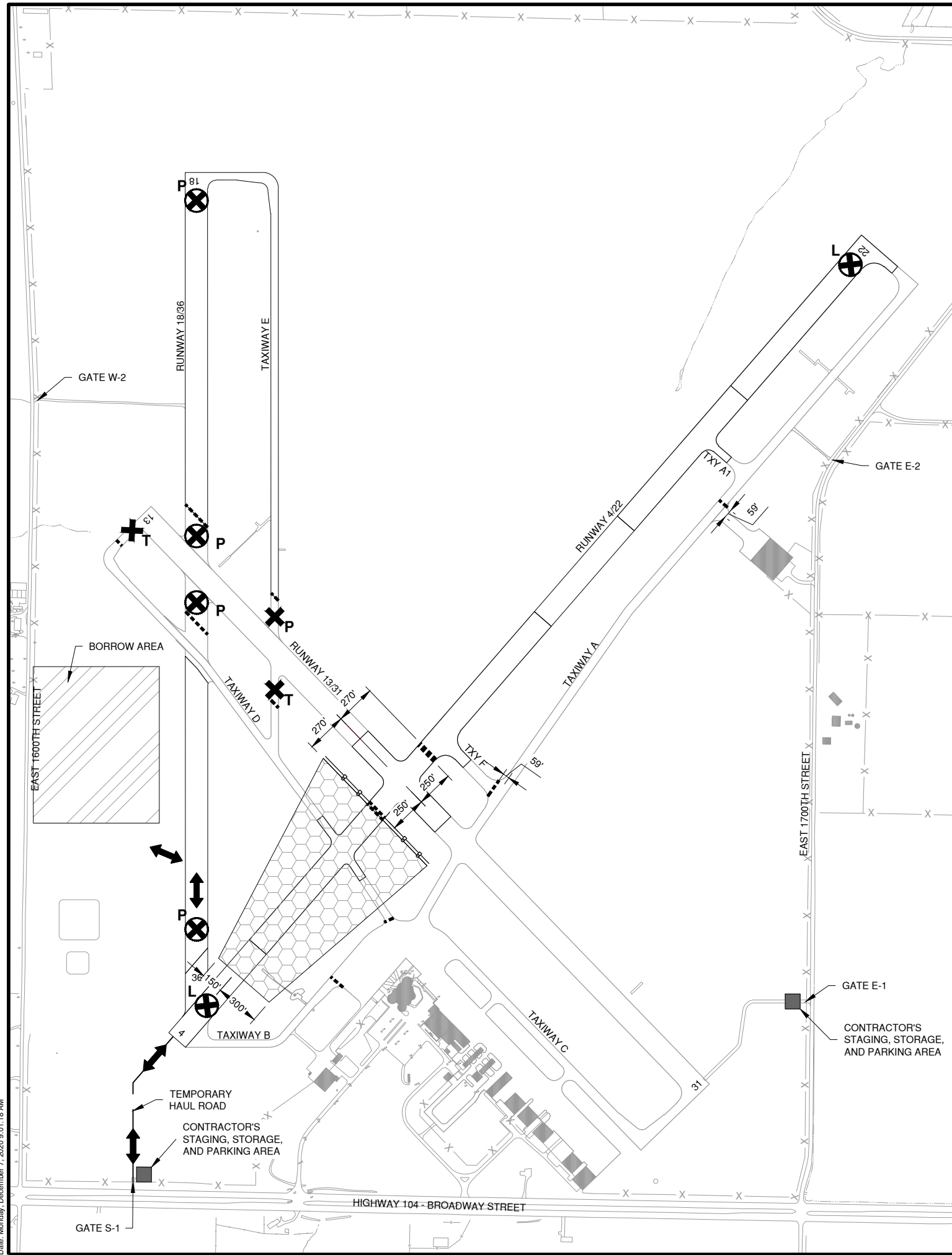
LEGEND	
	BEAM BARRICADES
	FLASHER BARRICADE
	BARRIER FENCE
	RUNWAY CLOSURE MARKER (LIGHTED)
	RUNWAY CLOSURE MARKER (PAINTED)
	TAXIWAY CLOSURE MARKER (PAINTED)
	TAXIWAY CLOSURE MARKER (TEMPORARY)
	CONTRACTOR'S ACCESS ROUTE
	FLAGMAN

PAVEMENT STATUS	
PHASE 1B	
PAVEMENT	STATUS
RUNWAY 18/36	OPEN
RUNWAY 4/22	CLOSED
RUNWAY 13/31	CLOSED
TAXIWAY A	CLOSED NORTH OF CORPORATE HANGAR
TAXIWAY A1	CLOSED
TAXIWAY B	OPEN
TAXIWAY C	CLOSED SOUTH OF HANGARS
TAXIWAY D	CLOSED NORTH OF RUNWAY 18/36
TAXIWAY E	OPEN
TAXIWAY F	CLOSED

MARK	DATE	DESCRIPTION
AIP PROJ. NO: 3-17-0085-XX		Q1063
IL PROJ. NO: UIN-4834		
CMT PROJECT NO: 18002001		
CAD DWG FILE: 180020-01 PH1 GC100.DWG		
DESIGNED BY: HWI		
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CHECKED BY: MJD		
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SHEET TITLE
**CONSTRUCTION
ACTIVITY PLAN -
PHASE 1B**

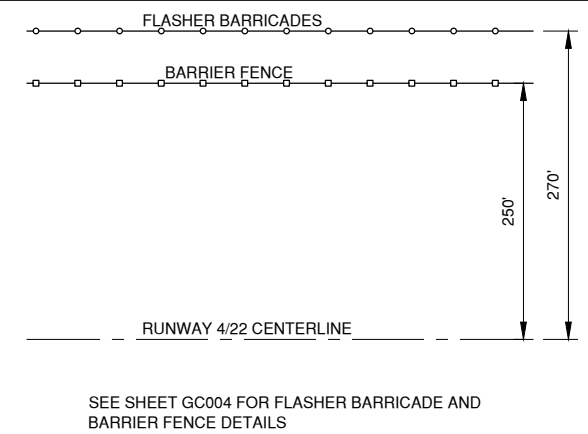
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PHASE 1C NOTES

1. CONTRACTOR ACCESS FOR PHASE 1C SHALL BE THROUGH EXISTING GATE S-1.
2. IF ADD. ALT. 1 IS AWARDED, PHASE 1C SHALL BE PERFORMED CONCURRENTLY WITH PHASE 2.
3. WORK TO BE COMPLETED WITHIN THIS PHASE SHALL, AS A MINIMUM, INCLUDE THE FOLLOWING MAJOR WORK ITEMS:
 - A. REMOVE AND STORE EXISTING LIGHT FIXTURES FOR REINSTALLATION.
 - B. REMOVE AND DISPOSE OF EXISTING LIGHT BASES.
 - C. MILL AND OVERLAY RUNWAY 4/22 AND TAXIWAY D.
 - D. PAVEMENT MARKING.
 - E. GRADING AND DRAINAGE IMPROVEMENTS.
 - F. CONSTRUCT NEW LIGHT BASES AND INSTALL NEW LIGHTING CIRCUITS.
 - G. CONSTRUCT NEW SIGN BASES AND SIGNS.
 - H. REINSTALL EXISTING LIGHT FIXTURES ON NEW BASES.
 - I. TURFING.
4. A DOUBLE BARRICADE LINE SHALL BE PLACED ALONG THE SAFETY AREA OF RUNWAY 13/31. SEE BARRICADE LAYOUT DETAIL SHEET GC001.

BARRICADE LAYOUT DETAIL



SEE SHEET GC004 FOR FLASHER BARRICADE AND BARRIER FENCE DETAILS

LEGEND

- BEAM BARRICADES
- ○ FLASHER BARRICADE
- □ BARRIER FENCE
- ⊗ L RUNWAY CLOSURE MARKER (LIGHTED)
- ⊗ P RUNWAY CLOSURE MARKER (PAINTED)
- ⊗ X P TAXIWAY CLOSURE MARKER (PAINTED)
- ⊗ X T TAXIWAY CLOSURE MARKER (TEMPORARY)
- ↔ CONTRACTOR'S ACCESS ROUTE
- ♫ FLAGMAN

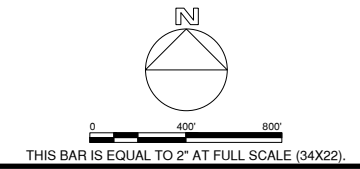
PAVEMENT STATUS

PHASE 1C	
PAVEMENT	STATUS
RUNWAY 18/36	CLOSED
RUNWAY 4/22	CLOSED
RUNWAY 13/31	OPEN
TAXIWAY A	CLOSED NORTH OF CORPORATE HANGAR
TAXIWAY A1	CLOSED
TAXIWAY B	CLOSED SOUTH OF TERMINAL APRON
TAXIWAY C	OPEN
TAXIWAY D	CLOSED
TAXIWAY E	CLOSED
TAXIWAY F	CLOSED

NOTE:
 AIRCRAFT DEPARTING RUNWAY 13 AND APPROACHING RUNWAY 31 WILL BE REQUIRED TO BACK TAXI ON RUNWAY 13.



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 NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
 PHASE 1 (CONSTRUCTION)

OWNER

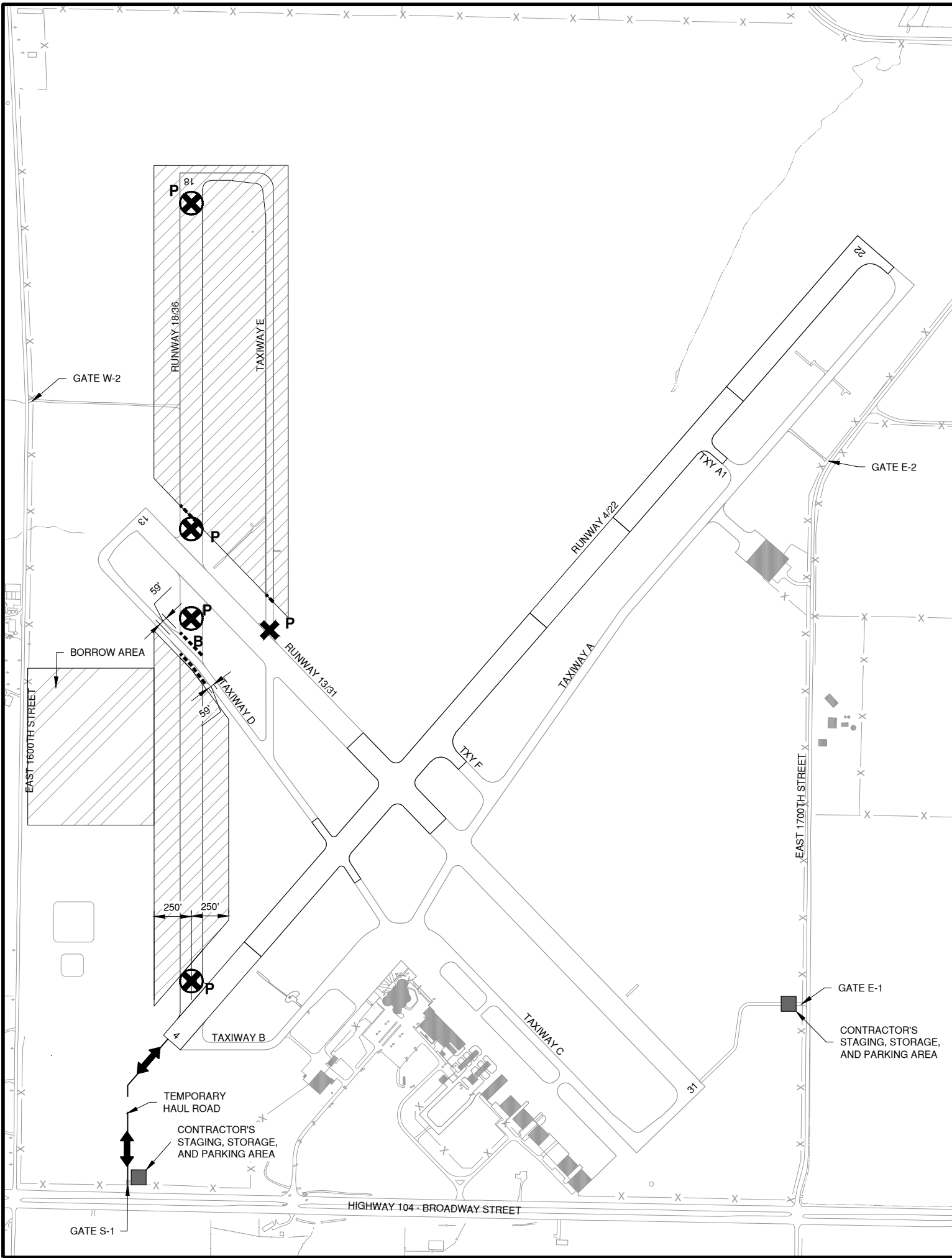


CITY OF QUINCY
 QUINCY REGIONAL AIRPORT
 QUINCY, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO: 3-17-0085-XX		Q1063
IL PROJ. NO: UIN-4834		
CMT PROJECT NO: 18002001		
CAD DWG FILE: 180020-01 PH1 GC100.DWG		
DESIGNED BY: HWI		
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SHEET TITLE
**CONSTRUCTION
 ACTIVITY PLAN -
 PHASE 1C**

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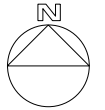
PHASE 2 NOTES

1. CONTRACTOR ACCESS FOR PHASE 4 SHALL BE THROUGH EXISTING GATE S-1.
2. IF AWARDED, PHASE 2 SHALL BE PERFORMED CONCURRENTLY WITH PHASE 1C.
3. WORK TO BE COMPLETED WITHIN THIS PHASE SHALL, AS A MINIMUM, INCLUDE THE FOLLOWING MAJOR WORK ITEMS:
 - A. REMOVE AND STORE EXISTING LIGHT FIXTURES FOR REINSTALLATION.
 - B. REMOVE AND BACKFILL RUNWAY 18/36.
 - C. PAVEMENT MARKING.
 - D. CONSTRUCT NEW LIGHT BASES AND INSTALL NEW LIGHTING CIRCUITS.
 - E. REINSTALL EXISTING LIGHT FIXTURES ON NEW BASES.
 - F. TURFING.
4. THE TEMPORARY ACCESS GATE SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.



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0 400' 800'

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RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

LEGEND

- BEAM BARRICADES
- FLASHER BARRICADE
- BARRIER FENCE
- ⊗^L RUNWAY CLOSURE MARKER (LIGHTED)
- ⊗^P RUNWAY CLOSURE MARKER (PAINTED)
- ⊗^T TAXIWAY CLOSURE MARKER (PAINTED)
- ⊗^T TAXIWAY CLOSURE MARKER (TEMPORARY)
- ↕ CONTRACTOR'S ACCESS ROUTE
- FLAGMAN

PAVEMENT STATUS

PHASE 2

PAVEMENT	STATUS
RUNWAY 18/36	CLOSED
RUNWAY 4/22	OPEN
RUNWAY 13/31	OPEN
TAXIWAY A	OPEN
TAXIWAY A1	OPEN
TAXIWAY B	OPEN
TAXIWAY C	OPEN
TAXIWAY D	OPEN
TAXIWAY E	CLOSED NORTH OF RUNWAY 13/31
TAXIWAY F	OPEN

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX	Q1063
IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 GC100.DWG	
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SHEET TITLE
**CONSTRUCTION
ACTIVITY PLAN -
PHASE 2**

GC104

SHEET 12 OF 93



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RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



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QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK | DATE | DESCRIPTION

AIP PROJ. NO:	3-17-0085-XX	Q1063
IL PROJ. NO:	UIN-4834	
CMT PROJECT NO:	18002001	
CAD DWG FILE:	180020-01 PH1 CD001.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
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SHEET TITLE
**EXISTING PAVEMENT
STRUCTURES**

CD001
SHEET 13 OF 93

PAVEMENT CORE SUMMARY			
CORE	UPPER LAYER	2ND LAYER	BASE
B-01	8.25" HMA	10" PCC	5" SAND
B-02	11" HMA	8" PCC	4.5" SAND
B-03	9.25" HMA	8" PCC	4" SAND
B-04	9.25" HMA	9" PCC	6" SAND
B-05	NO CORE		
B-06	10.5" HMA	8.5" PCC	5" SAND
B-07	8" HMA	8" PCC	6" SAND
B-08	10" HMA	8.5" PCC	4" SAND
B-09	9.5" HMA	8" PCC	6" SAND
B-10	12" HMA	8.5" PCC	6" CRUSHED STONE
B-11	9" HMA	9" PCC	6" CRUSHED STONE
B-12	2.5" HMA	9.5" PCC	9" CRUSHED STONE
B-13	11" HMA	NONE	10" CRUSHED STONE
B-14	11" HMA	NONE	9" CRUSHED STONE
B-15	1" HMA	8.5" PCC	5" SAND
B-16	15" HMA	9" PCC	5.5" SAND
B-17	6" HMA	9" PCC	5" SAND
B-18	NO CORE		
B-19	NO CORE		
B-20	14" PCC	4.5" HMA	5" CRUSHED STONE
B-21	10.5" PCC	NONE	9" CRUSHED STONE
B-22	11" PCC	NONE	13" CRUSHED STONE
B-23	8" HMA	8.5" PCC	4" SAND

NOTES

PAVEMENT STRUCTURES SHOWN WERE TAKEN FROM RECORD DRAWINGS AND ARE CONSIDERED GENERALLY REPRESENTATIVE OF THE "AS CONSTRUCTED" PAVEMENT SECTION WITH SOME VARIABILITY FROM THE THICKNESS INDICATED TO BE EXPECTED. THERE WILL BE NO ADDITIONAL PAYMENT TO THE CONTRACTOR DUE TO VARIATIONS IN SIZE OR QUANTITY OF EXISTING FEATURES.

EXISTING PAVEMENT SECTIONS FROM IDA PAVEMENT HISTORY												
SECTION	THICKNESS	MATERIAL	SECTION	THICKNESS	MATERIAL	SECTION	THICKNESS	MATERIAL	SECTION	THICKNESS	MATERIAL	
A	9" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		I	9" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		P	10" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		W	13" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE	AD	4" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE
B	14" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		J	9" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		Q	14" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		X	13" CEMENT CONCRETE 4" ASPHALT MIX 5" AGG BASE 16" LIME TREATED SUBGRADE	AE	<1" POROUS FRICTION COURSE 8-9" CEMENT CONCRETE 7" AGG BASE
C	9" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		K	9" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		R	9" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		Y	11" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE	AF	<1" POROUS FRICTION COURSE 8-9" CEMENT CONCRETE 7" AGG BASE
D	14" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		L	5" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		S	4" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		Z	10" CEMENT CONCRETE 6" AGG BASE 16" LIME TREATED SUBGRADE	AG	9" CEMENT CONCRETE 6" AGG BASE 12" LIME TREATED SUBGRADE
E	9" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		M	<1" POROUS FRICTION COURSE 8-9" CEMENT CONCRETE 7" AGG BASE		T	3.5" ASPHALT MIX 8-0" ASPHALT TAPER 8-9" CEMENT CONCRETE 7" AGG BASE		AA	8" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE	AH	4" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE
F	9" ASPHALT MIX 9" CEMENT CONCRETE 9" GRANULAR SUBBASE		N	2" ASPHALT MIX 8-0" ASPHALT TAPER 8-9" CEMENT CONCRETE 7" AGG BASE		U	9.5" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		AB	8" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE	AI	4" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE
G	9" CEMENT CONCRETE 9" GRANULAR SUBBASE		O	8" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		V	11.5" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		AC	4" ASPHALT MIX 8-9" CEMENT CONCRETE 7" AGG BASE		
H	10" CEMENT CONCRETE 9" GRANULAR SUBBASE											

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811 Know what's below. Call before you dig.
COMMON GROUND ALLIANCE
 www.call811.com or
 Phone: 811

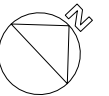
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CALL 911 IN THE EVENT IN WHICH DAMAGE RESULTS IN THE RELEASE OF NATURAL GAS.

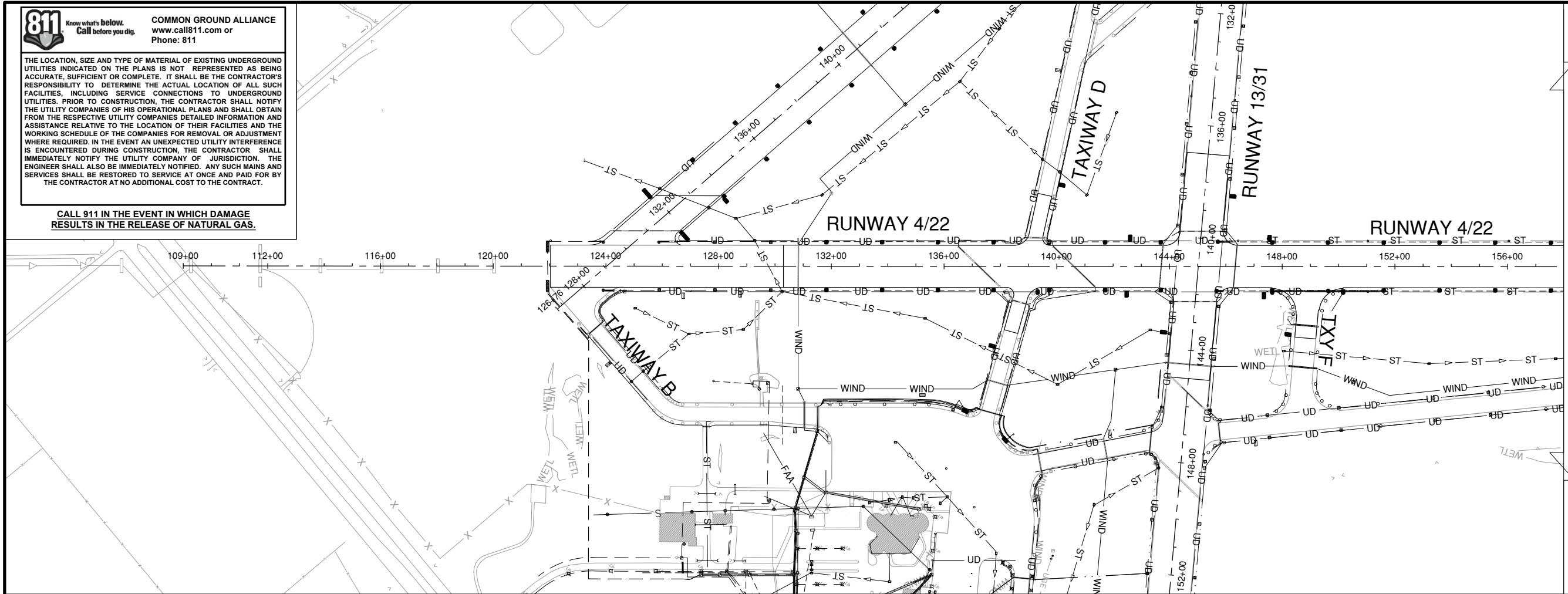


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THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).



MATCHLINE SHEET STA. 158+00

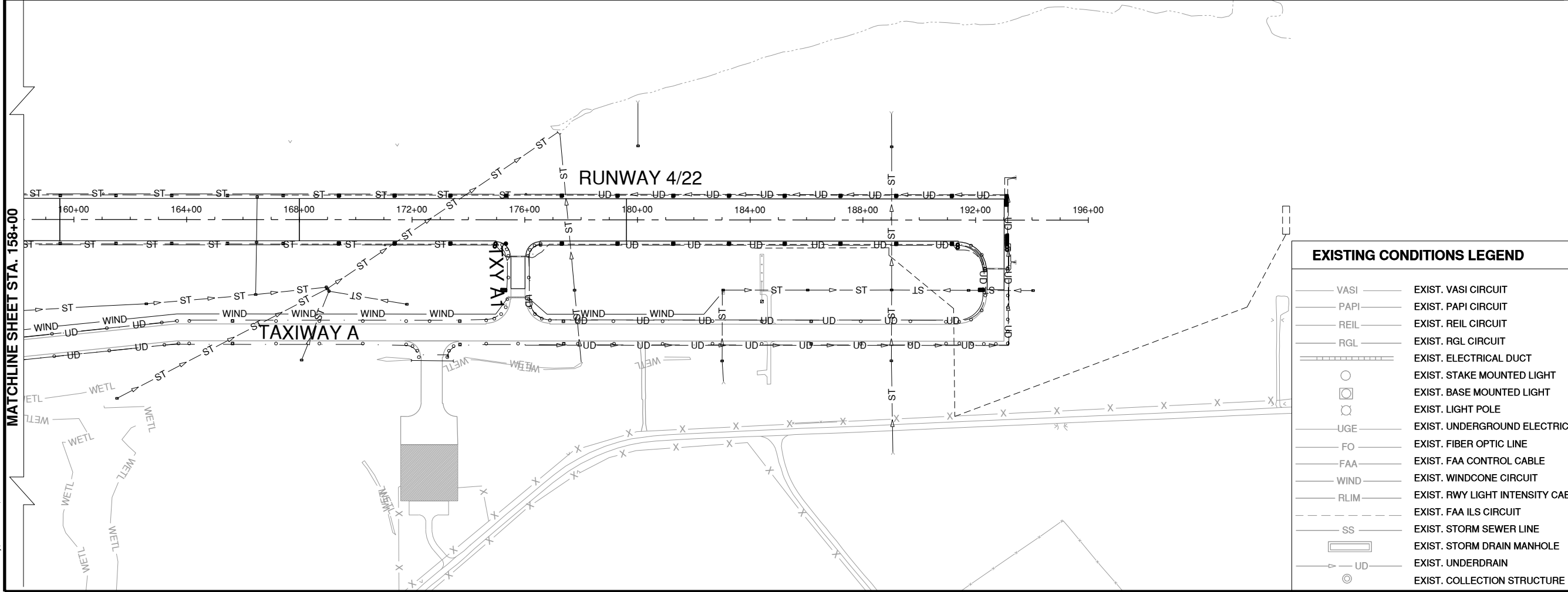
FINAL SUBMITTAL
 NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
 PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
 QUINCY REGIONAL AIRPORT
 QUINCY, IL



MATCHLINE SHEET STA. 158+00

EXISTING CONDITIONS LEGEND	
— VASI	EXIST. VASI CIRCUIT
— PAPI	EXIST. PAPI CIRCUIT
— REIL	EXIST. REIL CIRCUIT
— RGL	EXIST. RGL CIRCUIT
—	EXIST. ELECTRICAL DUCT
○	EXIST. STAKE MOUNTED LIGHT
□	EXIST. BASE MOUNTED LIGHT
○	EXIST. LIGHT POLE
— UGE	EXIST. UNDERGROUND ELECTRIC
— FO	EXIST. FIBER OPTIC LINE
— FAA	EXIST. FAA CONTROL CABLE
— WIND	EXIST. WINDCONE CIRCUIT
— RLIM	EXIST. RWY LIGHT INTENSITY CABLE
— SS	EXIST. STORM SEWER LINE
—	EXIST. STORM DRAIN MANHOLE
— UD	EXIST. UNDERDRAIN
⊙	EXIST. COLLECTION STRUCTURE

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CMT PROJECT NO: 18002001		
CAD DWG FILE: 180020-01 PH1 CD002.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: RLV		
COPYRIGHT:		

SHEET TITLE
EXISTING UTILITIES 1

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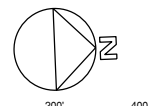
811 Know what's below. Call before you dig.
COMMON GROUND ALLIANCE
 www.call811.com or
 Phone: 811

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 NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
 PHASE 1 (CONSTRUCTION)

OWNER

CITY OF QUINCY
 QUINCY REGIONAL AIRPORT
 QUINCY, IL

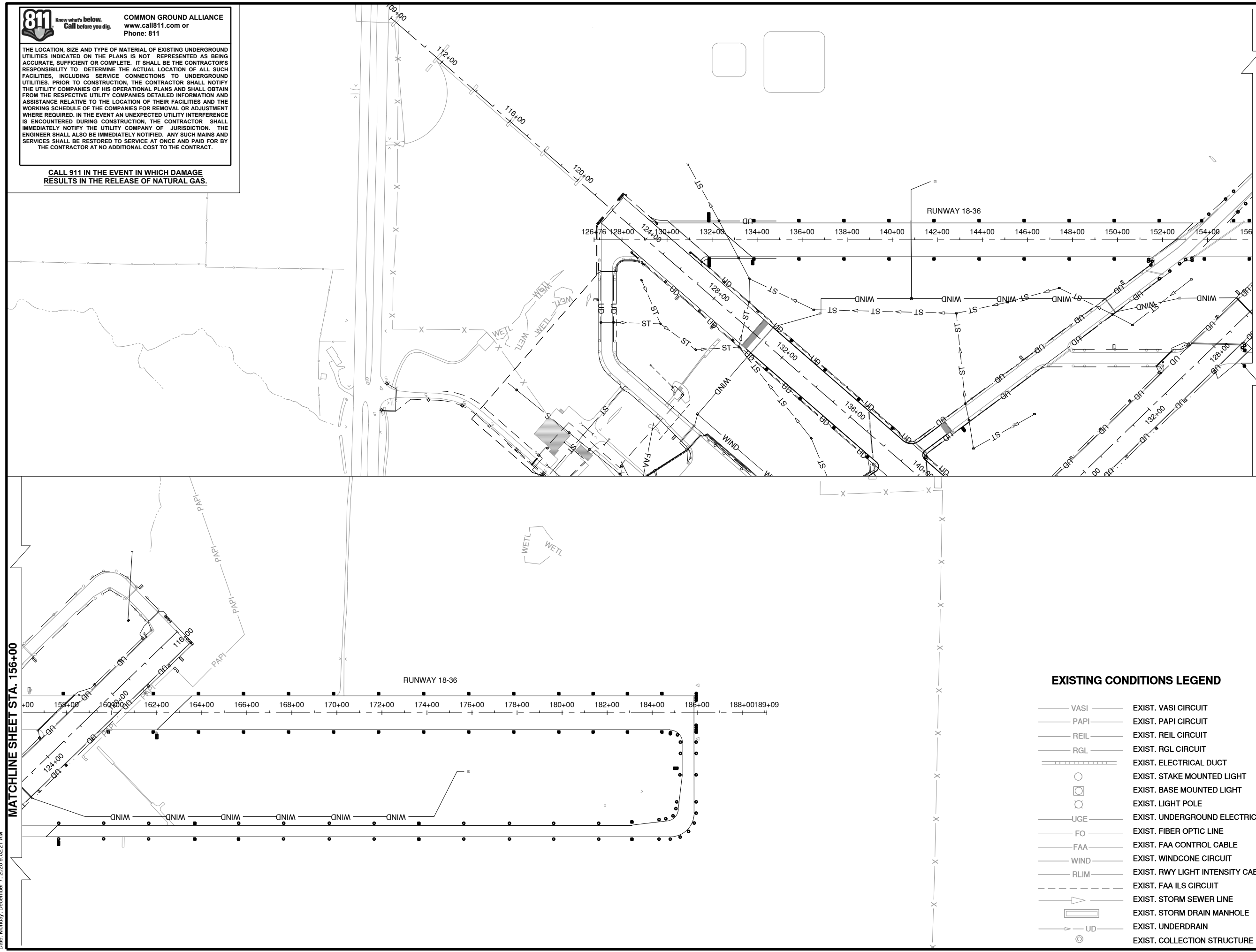
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- PAPI — EXIST. PAPI CIRCUIT
- REIL — EXIST. REIL CIRCUIT
- RGL — EXIST. RGL CIRCUIT
- — EXIST. ELECTRICAL DUCT
- EXIST. STAKE MOUNTED LIGHT
- EXIST. BASE MOUNTED LIGHT
- EXIST. LIGHT POLE
- UGE — EXIST. UNDERGROUND ELECTRIC
- FO — EXIST. FIBER OPTIC LINE
- FAA — EXIST. FAA CONTROL CABLE
- WIND — EXIST. WINDCONE CIRCUIT
- RLIM — EXIST. RWY LIGHT INTENSITY CABLE
- — EXIST. FAA ILS CIRCUIT
- — EXIST. STORM SEWER LINE
- — EXIST. STORM DRAIN MANHOLE
- UD — EXIST. UNDERDRAIN
- ◎ EXIST. COLLECTION STRUCTURE

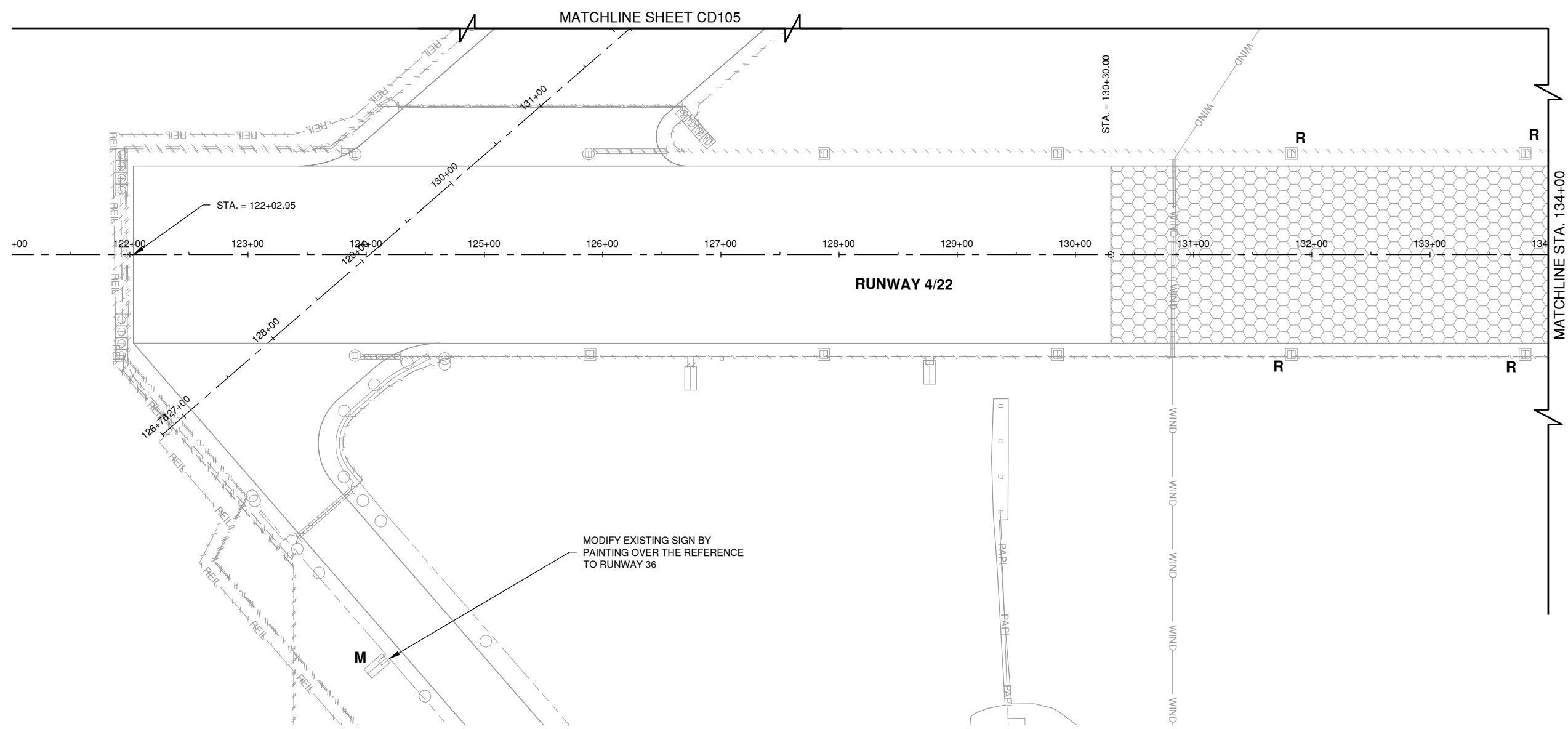
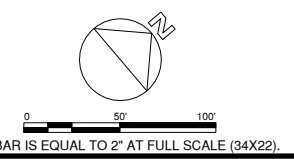
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DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: CHK		
APPROVED BY: APR		
COPYRIGHT:		

EXISTING UTILITIES 2

CD003
 SHEET 15 OF 93



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FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
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UTILITY DISCLAIMER

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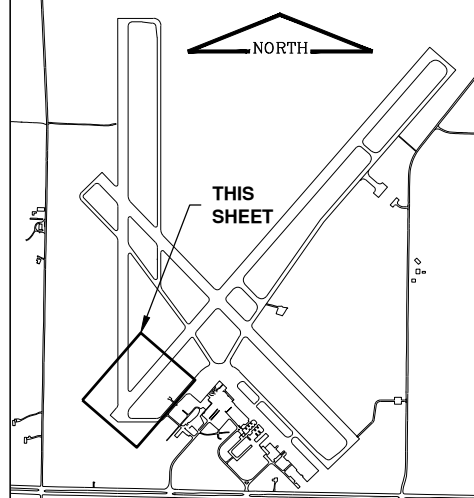
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NOTES

LEGEND

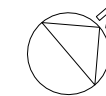
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- PAVEMENT TO BE MILLED
- PAVEMENT TO BE CRACKED AND SEATED
- R** LIGHT OR SIGN TO BE REMOVED
- M** MODIFY EXISTING SIGN PANEL
- DUCT MARKER
- DUCT BANK
- FULL DEPTH SAWCUT
- EXISTING CABLE TO BE ABANDONED
- EXIST. RUNWAY BASE-MOUNTED EDGE LIGHT
- EXISTING RUNWAY THRESHOLD BASE-MOUNTED LIGHT
- EXISTING TAXIWAY BASE-MOUNTED EDGE LIGHT
- EXISTING TAXIWAY STAKE-MOUNTED EDGE LIGHT
- EXISTING REIL

KEYMAP



MARK	DATE	DESCRIPTION

EXISTING CONDITIONS & REMOVALS 1



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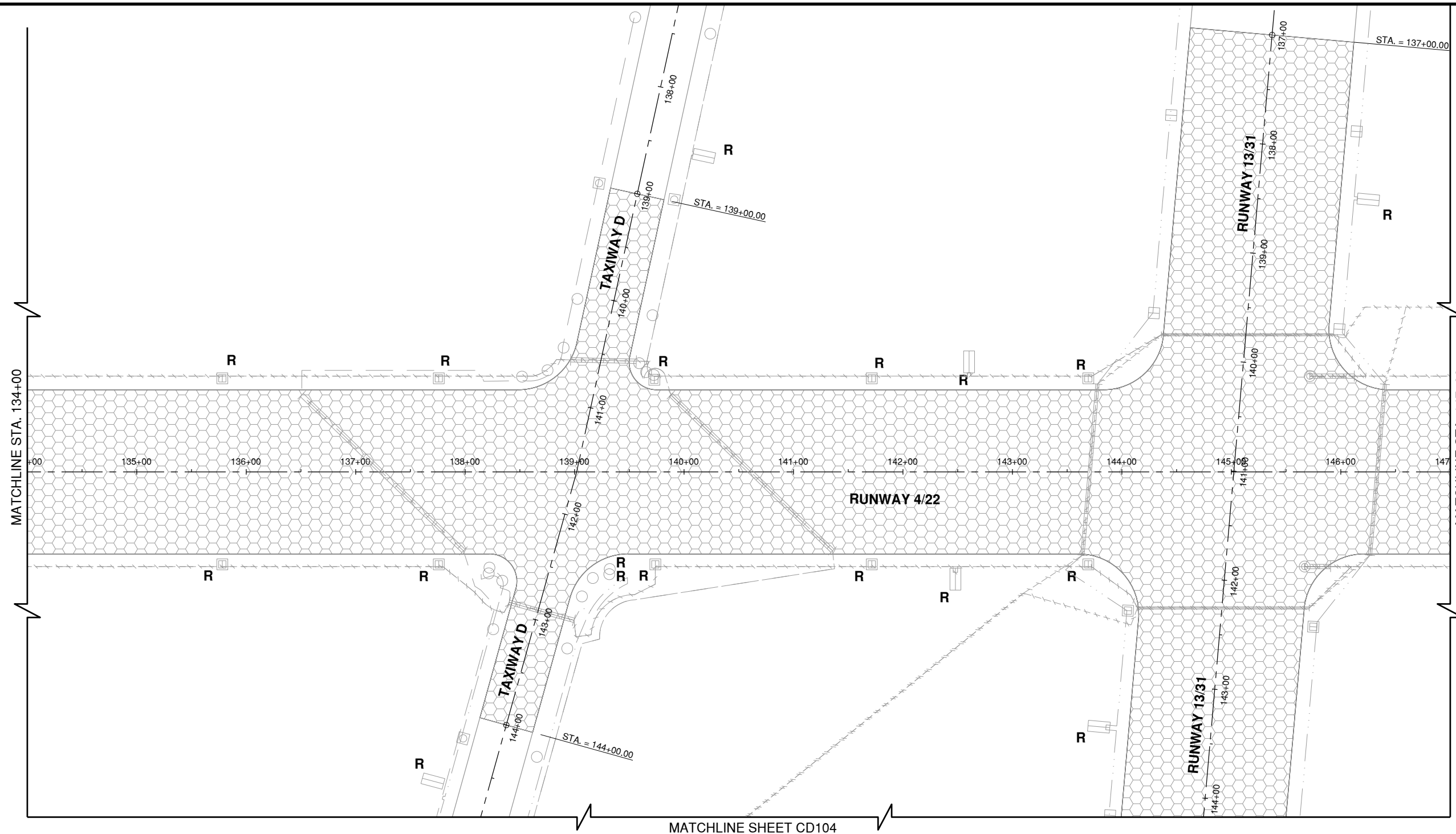
FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
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QUINCY, IL



MATCHLINE SHEET CD104

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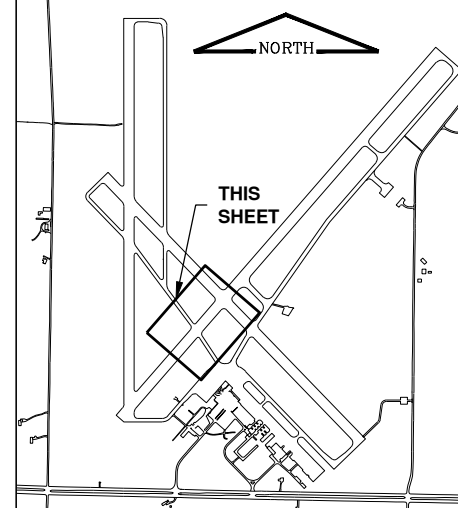
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NOTES

LEGEND

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| | PAVEMENT TO BE REMOVED | | EXIST. RUNWAY BASE-MOUNTED EDGE LIGHT |
| | PAVEMENT TO BE MILLED | | EXISTING RUNWAY THRESHOLD BASE-MOUNTED LIGHT |
| | PAVEMENT TO BE CRACKED AND SEATED | | EXISTING TAXIWAY BASE-MOUNTED EDGE LIGHT |
| R | LIGHT OR SIGN TO BE REMOVED | | EXISTING TAXIWAY STAKE-MOUNTED EDGE LIGHT |
| M | MODIFY EXISTING SIGN PANEL | | EXISTING REIL |
| | DUCT MARKER | | |
| | DUCT BANK | | |
| | FULL DEPTH SAWCUT | | |
| | EXISTING CABLE TO BE ABANDONED | | |

KEYMAP



MARK	DATE	DESCRIPTION

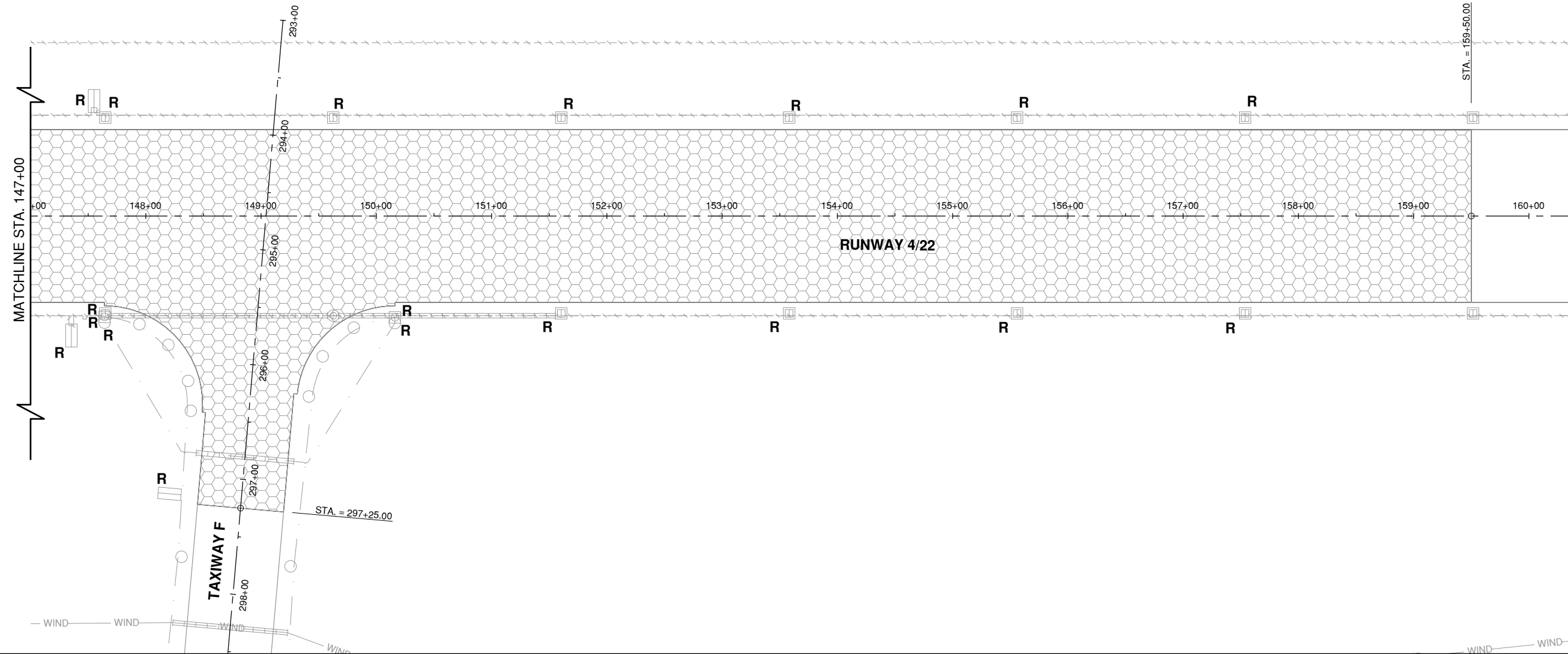
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CAD DWG FILE: 180020-01 CD100.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
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SHEET TITLE
**EXISTING
CONDITIONS &
REMOVALS 2**

CD102
SHEET 17 OF 93



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 NOVEMBER 20, 2020

 RECONSTRUCT RUNWAY 4/22,
 PHASE 1 (CONSTRUCTION)

OWNER


 CITY OF QUINCY
 QUINCY REGIONAL AIRPORT
 QUINCY, IL

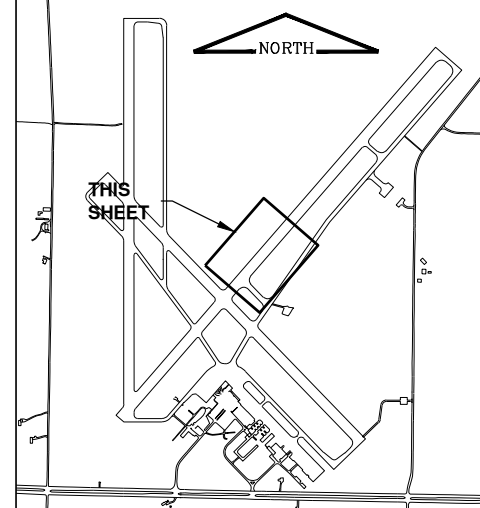
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NOTES
LEGEND

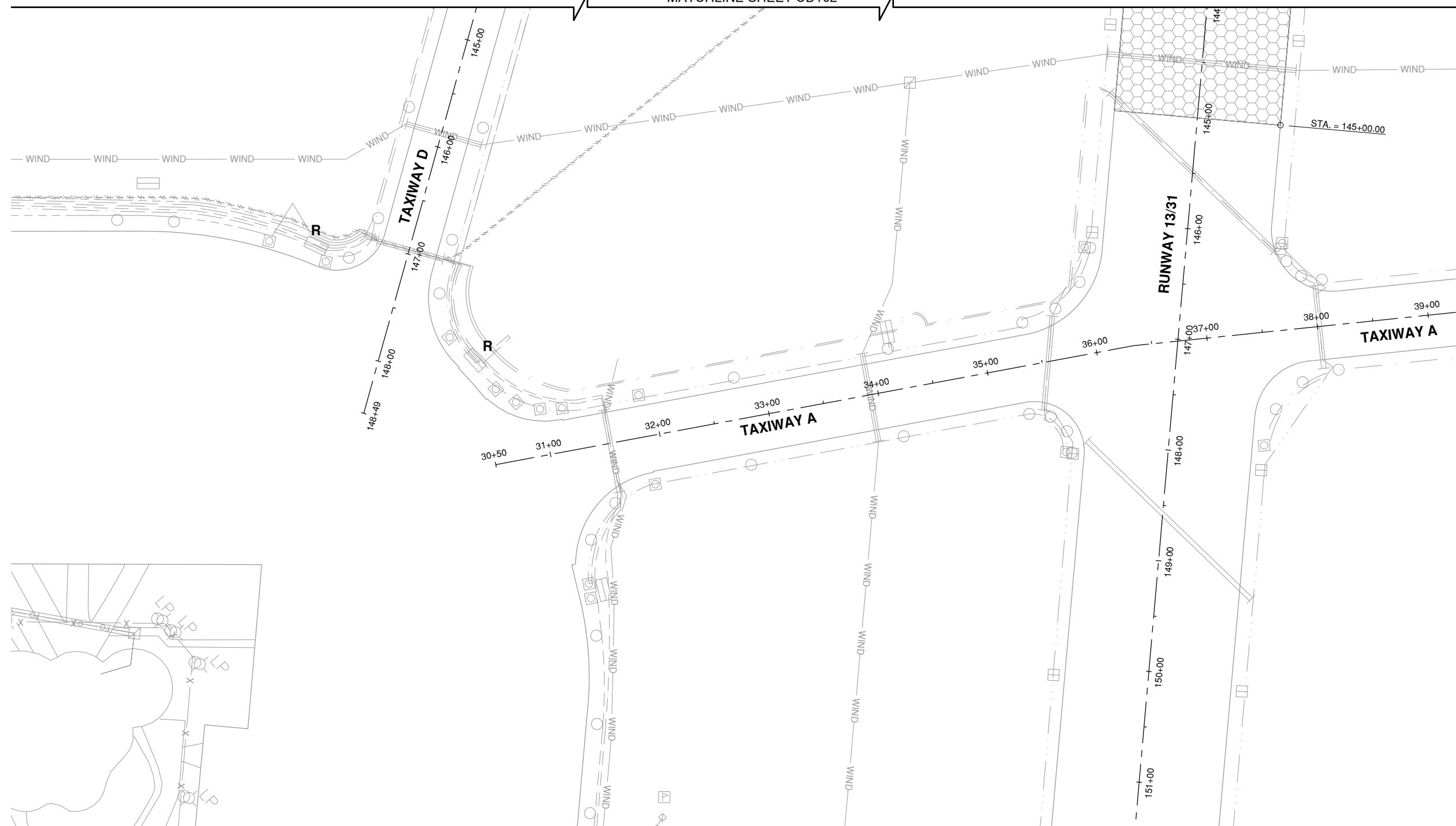
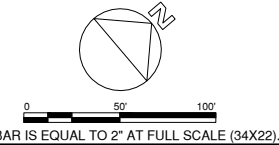
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	PAVEMENT TO BE CRACKED AND SEATED		EXISTING TAXIWAY BASE-MOUNTED EDGE LIGHT
R	LIGHT OR SIGN TO BE REMOVED		EXISTING TAXIWAY STAKE-MOUNTED EDGE LIGHT
M	MODIFY EXISTING SIGN PANEL		EXISTING REIL
	DUCT MARKER		
	DUCT BANK		
	FULL DEPTH SAWCUT		
	EXISTING CABLE TO BE ABANDONED		

KEYMAP


MARK	DATE	DESCRIPTION
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CMT PROJECT NO:	18002001	
CAD DWG FILE:	180020-01 CD100.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
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 SHEET TITLE
**EXISTING
 CONDITIONS &
 REMOVALS 3**

 CD103
 SHEET 18 OF 93



FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

SHEET TITLE
EXISTING CONDITIONS & REMOVALS 4

CD104
SHEET 19 OF 93

UTILITY DISCLAIMER

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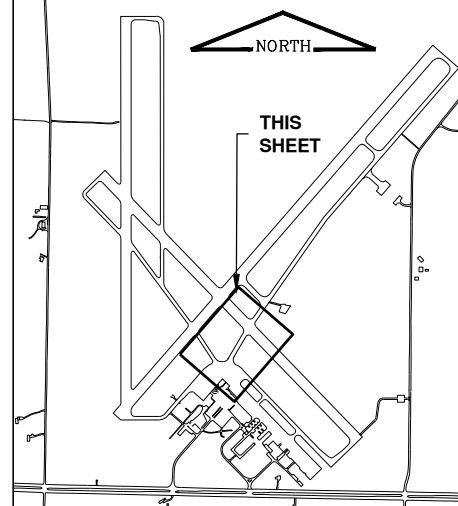
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NOTES

LEGEND

- | | | | |
|----------|-----------------------------------|--|--|
| | PAVEMENT TO BE REMOVED | | EXIST. RUNWAY BASE-MOUNTED EDGE LIGHT |
| | PAVEMENT TO BE MILLED | | EXISTING RUNWAY THRESHOLD BASE-MOUNTED LIGHT |
| | PAVEMENT TO BE CRACKED AND SEATED | | EXISTING TAXIWAY BASE-MOUNTED EDGE LIGHT |
| R | LIGHT OR SIGN TO BE REMOVED | | EXISTING TAXIWAY STAKE-MOUNTED EDGE LIGHT |
| M | MODIFY EXISTING SIGN PANEL | | EXISTING REIL |
| | DUCT MARKER | | |
| | DUCT BANK | | |
| | FULL DEPTH SAWCUT | | |
| | EXISTING CABLE TO BE ABANDONED | | |

KEYMAP





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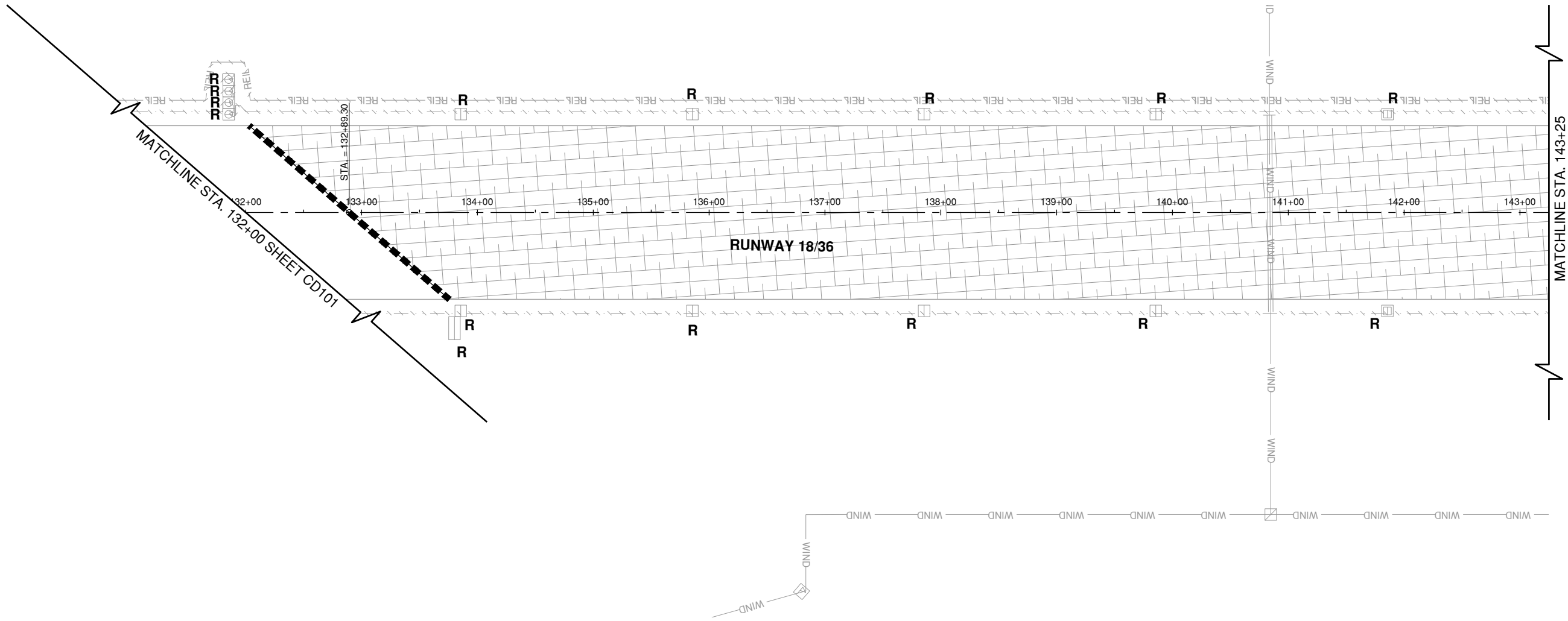
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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL



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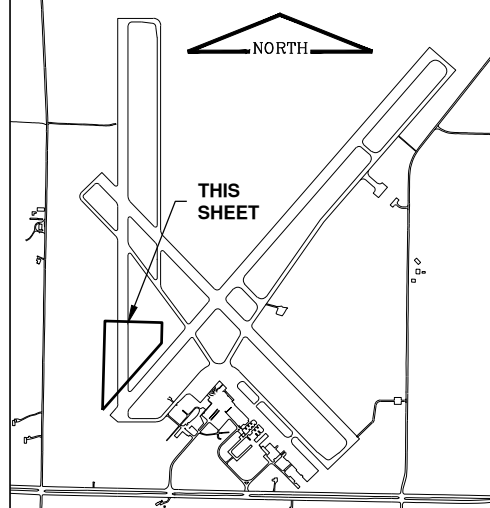
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NOTES

LEGEND

- PAVEMENT TO BE REMOVED
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- EXISTING CABLE TO BE ABANDONED
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- EXISTING RUNWAY THRESHOLD BASE-MOUNTED LIGHT
- EXISTING TAXIWAY BASE-MOUNTED EDGE LIGHT
- EXISTING TAXIWAY STAKE-MOUNTED EDGE LIGHT
- EXISTING REIL

KEYMAP



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Date: Monday, December 7, 2020 9:03:18 AM

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 IL PROJ. NO: UIN-4834
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 DESIGNED BY: HWI
 DRAWN BY: DPA
 CHECKED BY: MJD
 APPROVED BY: RLV
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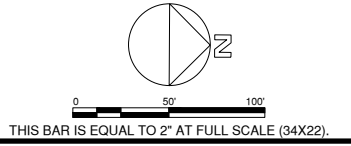
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CD105

SHEET **20** OF **93**



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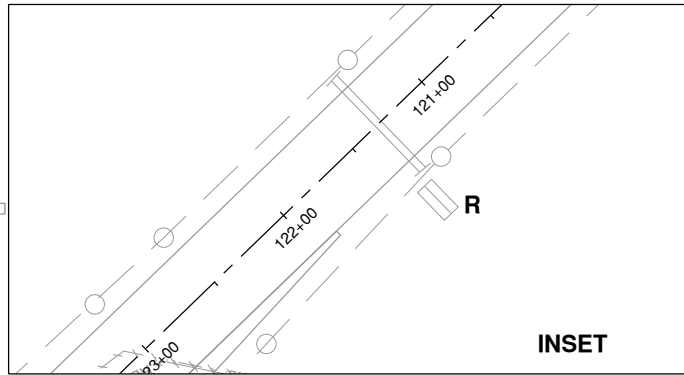
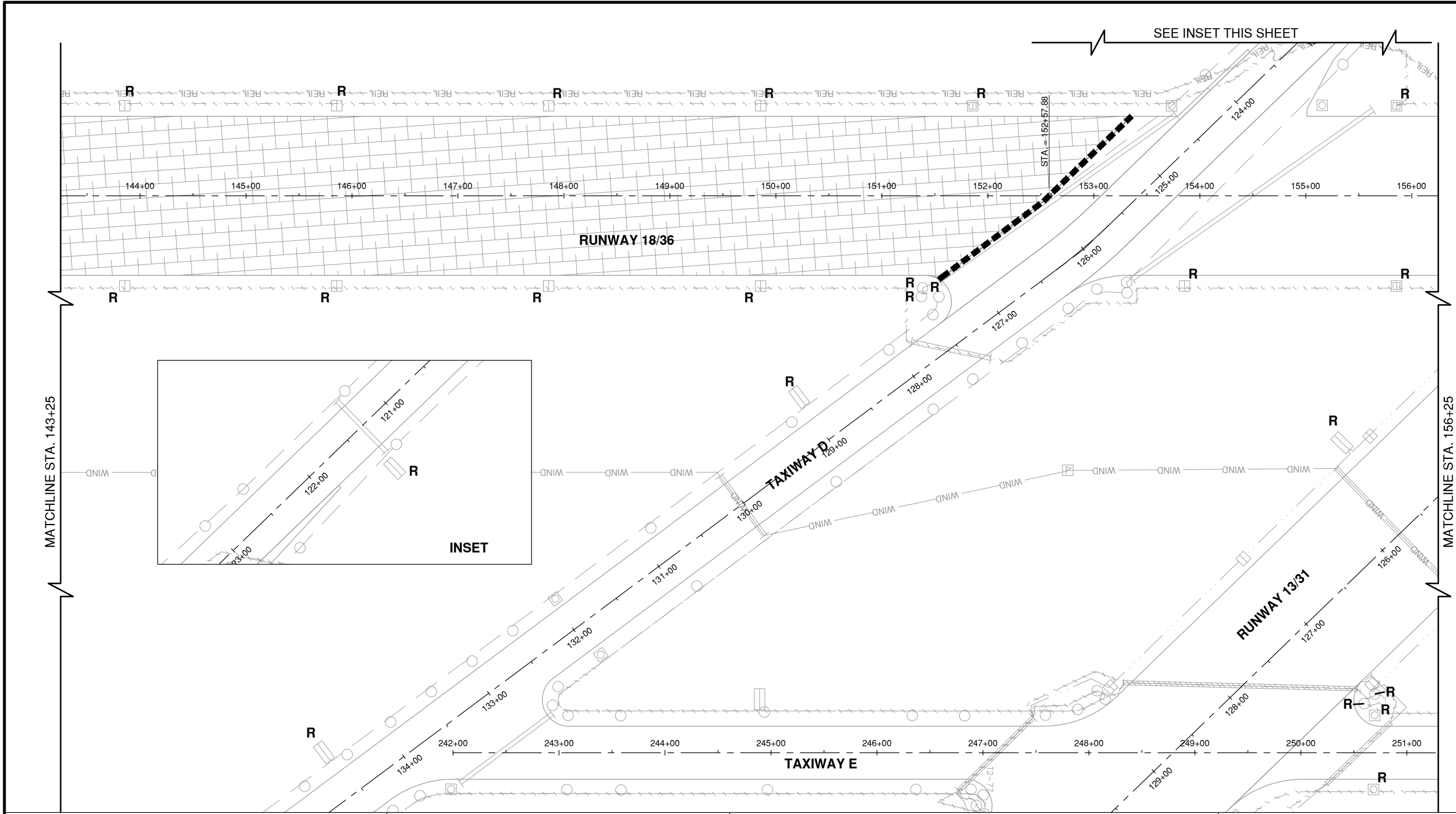
FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22, PHASE 1 (CONSTRUCTION)

OWNER



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QUINCY REGIONAL AIRPORT
QUINCY, IL



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.

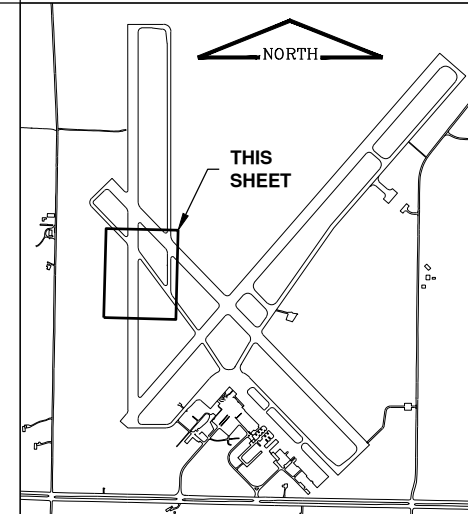
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NOTES

LEGEND

- PAVEMENT TO BE REMOVED
- PAVEMENT TO BE MILLED
- PAVEMENT TO BE CRACKED AND SEATED
- R** LIGHT OR SIGN TO BE REMOVED
- M** MODIFY EXISTING SIGN PANEL
- DUCT MARKER
- DUCT BANK
- FULL DEPTH SAWCUT
- EXISTING CABLE TO BE ABANDONED
- EXIST. RUNWAY BASE-MOUNTED EDGE LIGHT
- EXISTING RUNWAY THRESHOLD BASE-MOUNTED LIGHT
- EXISTING TAXIWAY BASE-MOUNTED EDGE LIGHT
- EXISTING TAXIWAY STAKE-MOUNTED EDGE LIGHT
- EXISTING REIL

KEYMAP



MARK	DATE	DESCRIPTION
AIP PROJ. NO: 3-17-0085-XX		Q1063
IL PROJ. NO: UIN-4834		
CMT PROJECT NO: 18002001		
CAD DWG FILE: 180020-01 CD100.DWG		
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

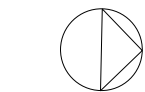
EXISTING CONDITIONS & REMOVALS 6

CD106
SHEET 21 OF 93



License No. 184-000613

CONSULTANTS



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

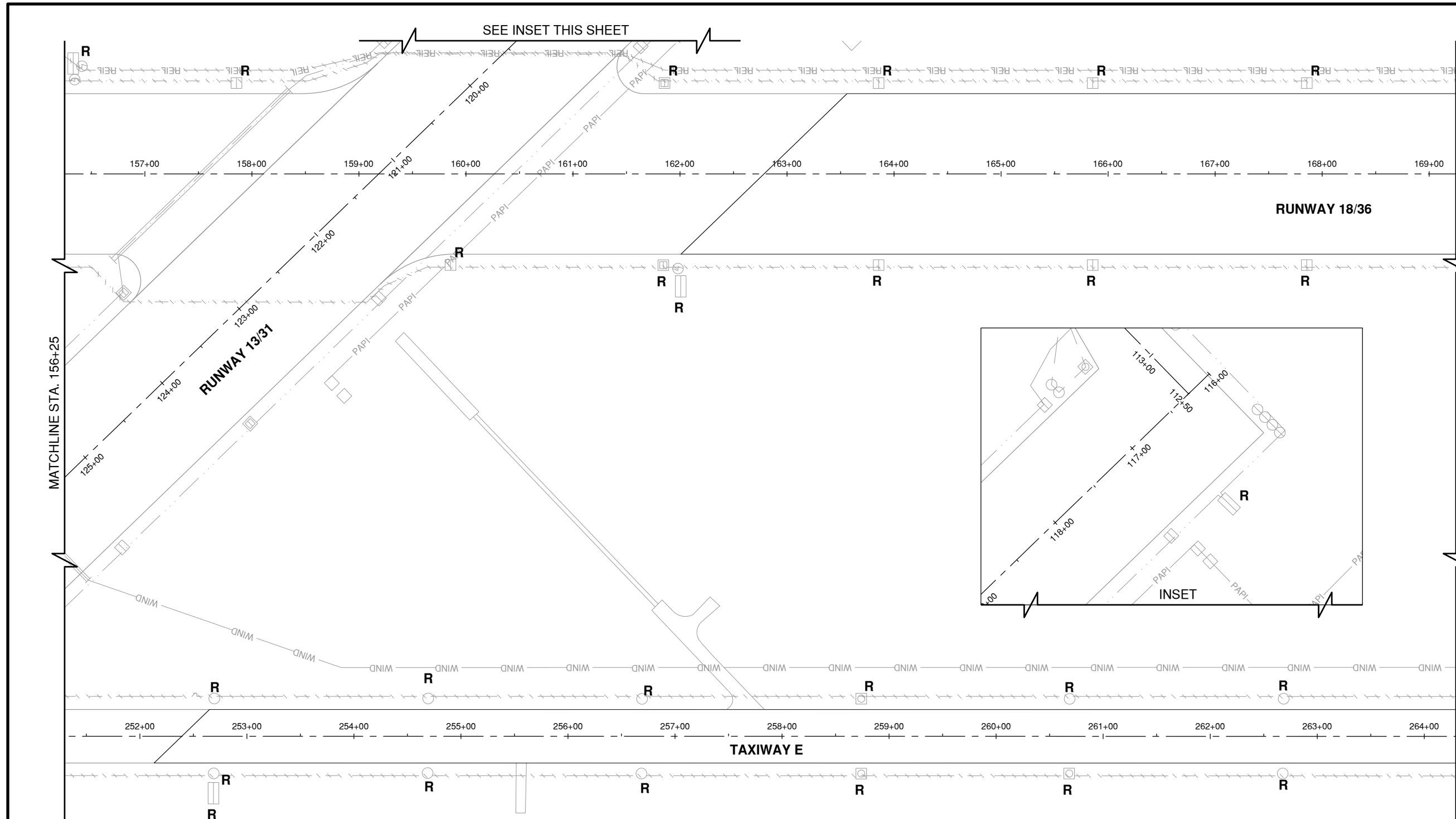
FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL



SEE INSET THIS SHEET

MATCHLINE STA. 156+25

MATCHLINE STA. 169+25

UTILITY DISCLAIMER

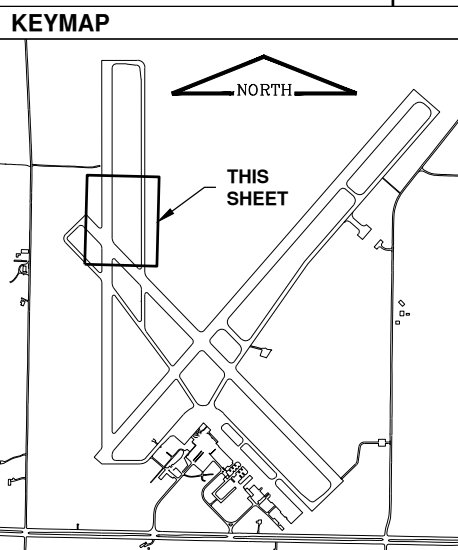
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NOTES

LEGEND

	PAVEMENT TO BE REMOVED		EXIST. RUNWAY BASE-MOUNTED EDGE LIGHT
	PAVEMENT TO BE MILLED		EXISTING RUNWAY THRESHOLD BASE-MOUNTED LIGHT
	PAVEMENT TO BE CRACKED AND SEALED		EXISTING TAXIWAY BASE-MOUNTED EDGE LIGHT
	LIGHT OR SIGN TO BE REMOVED		EXISTING TAXIWAY STAKE-MOUNTED EDGE LIGHT
	MODIFY EXISTING SIGN PANEL		EXISTING REIL
	DUCT MARKER		
	DUCT BANK		
	FULL DEPTH SAWCUT		
	EXISTING CABLE TO BE ABANDONED		



MARK	DATE	DESCRIPTION

EXISTING CONDITIONS & REMOVALS 7

CD107

SHEET 22 OF 93

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Date: Monday, December 7, 2020 9:03:42 AM



License No. 184-000613

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FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



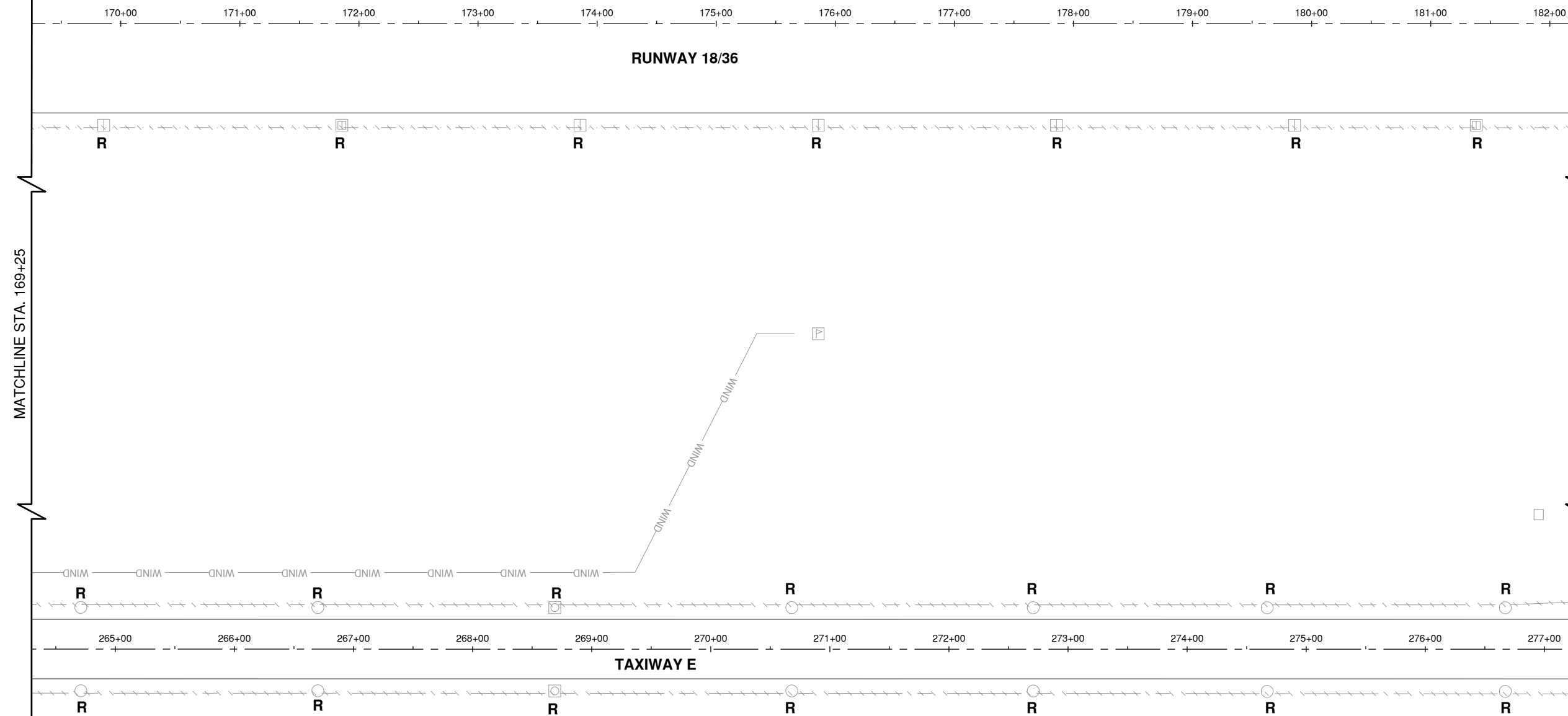
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

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IL PROJ. NO:	UIN-4834		
CMT PROJECT NO:	18002001		
CAD DWG FILE:	180020-01 CD100.DWG		
DESIGNED BY:	HWI		
DRAWN BY:	DPA		
CHECKED BY:	MJD		
APPROVED BY:	RLV		
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SHEET TITLE
**EXISTING
CONDITIONS &
REMOVALS 8**

CD108

SHEET 23 OF 93



UTILITY DISCLAIMER

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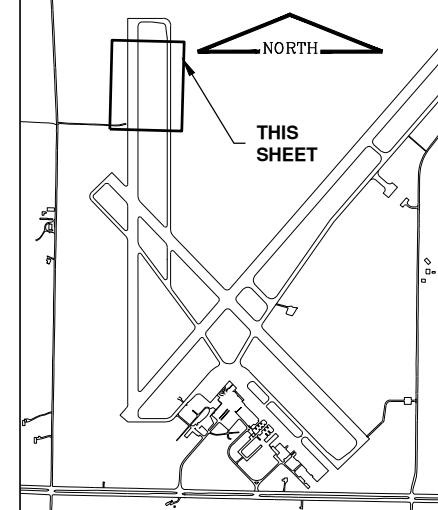
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- EXISTING TAXIWAY STAKE-MOUNTED EDGE LIGHT
- EXISTING REIL

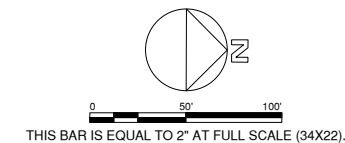
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License No. 184-000613

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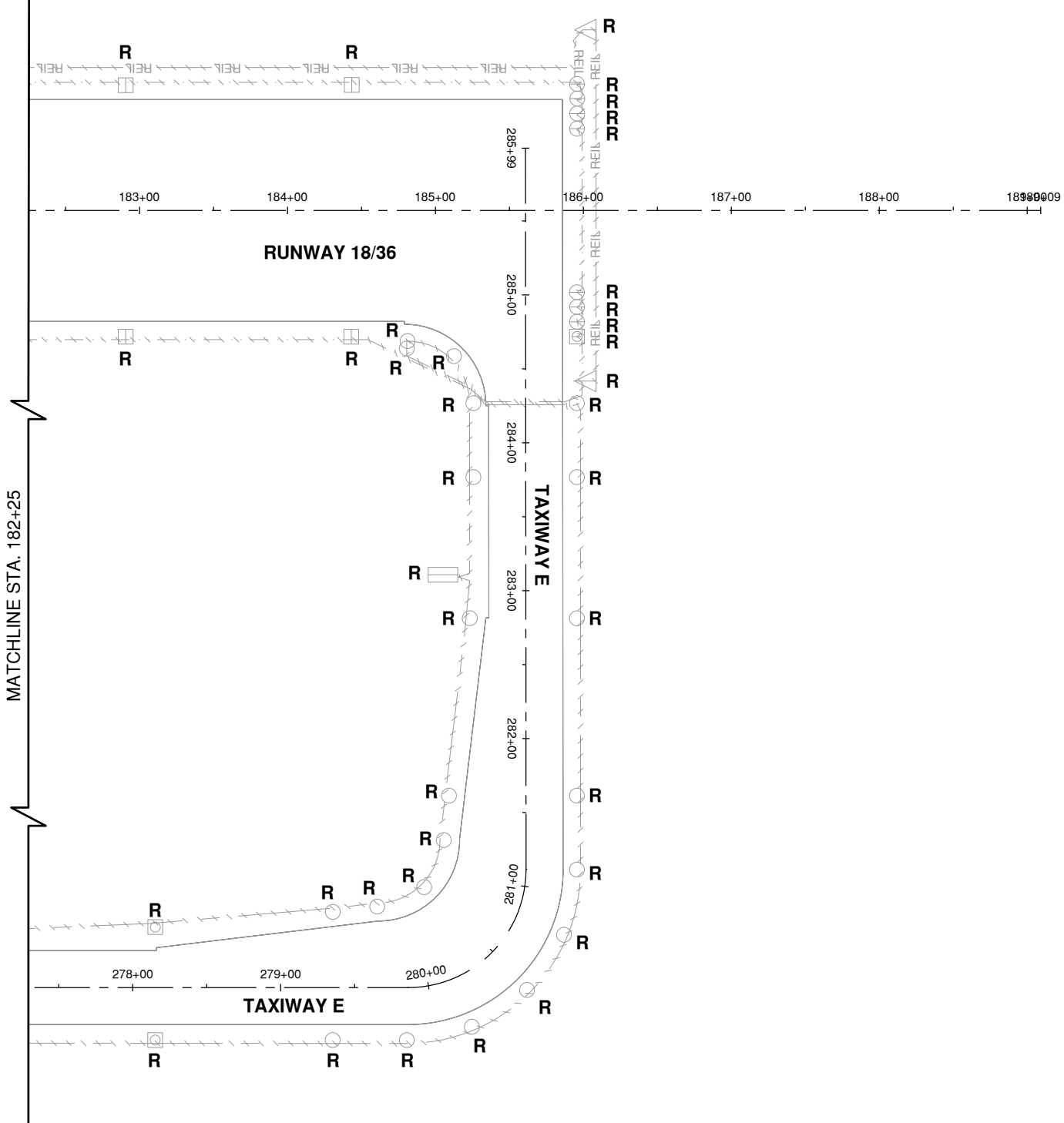
FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL



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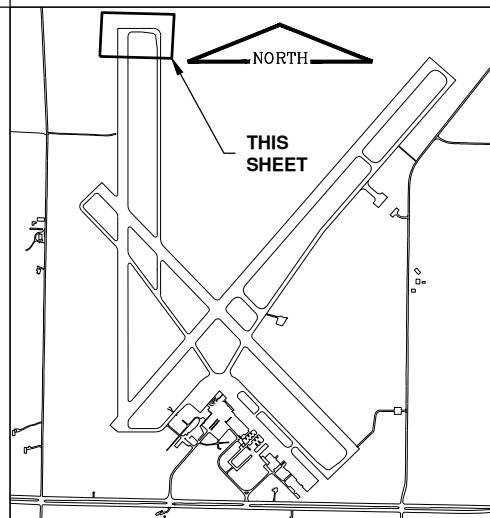
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- EXISTING TAXIWAY BASE-MOUNTED EDGE LIGHT
- EXISTING TAXIWAY STAKE-MOUNTED EDGE LIGHT
- EXISTING REIL

KEYMAP



MARK	DATE	DESCRIPTION

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IL PROJ. NO:	UIN-4834	
CMT PROJECT NO:	18002001	
CAD DWG FILE:	180020-01 CD100.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

**EXISTING
CONDITIONS &
REMOVALS 9**

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 Date: Monday, December 7, 2020 9:03:58 AM



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FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



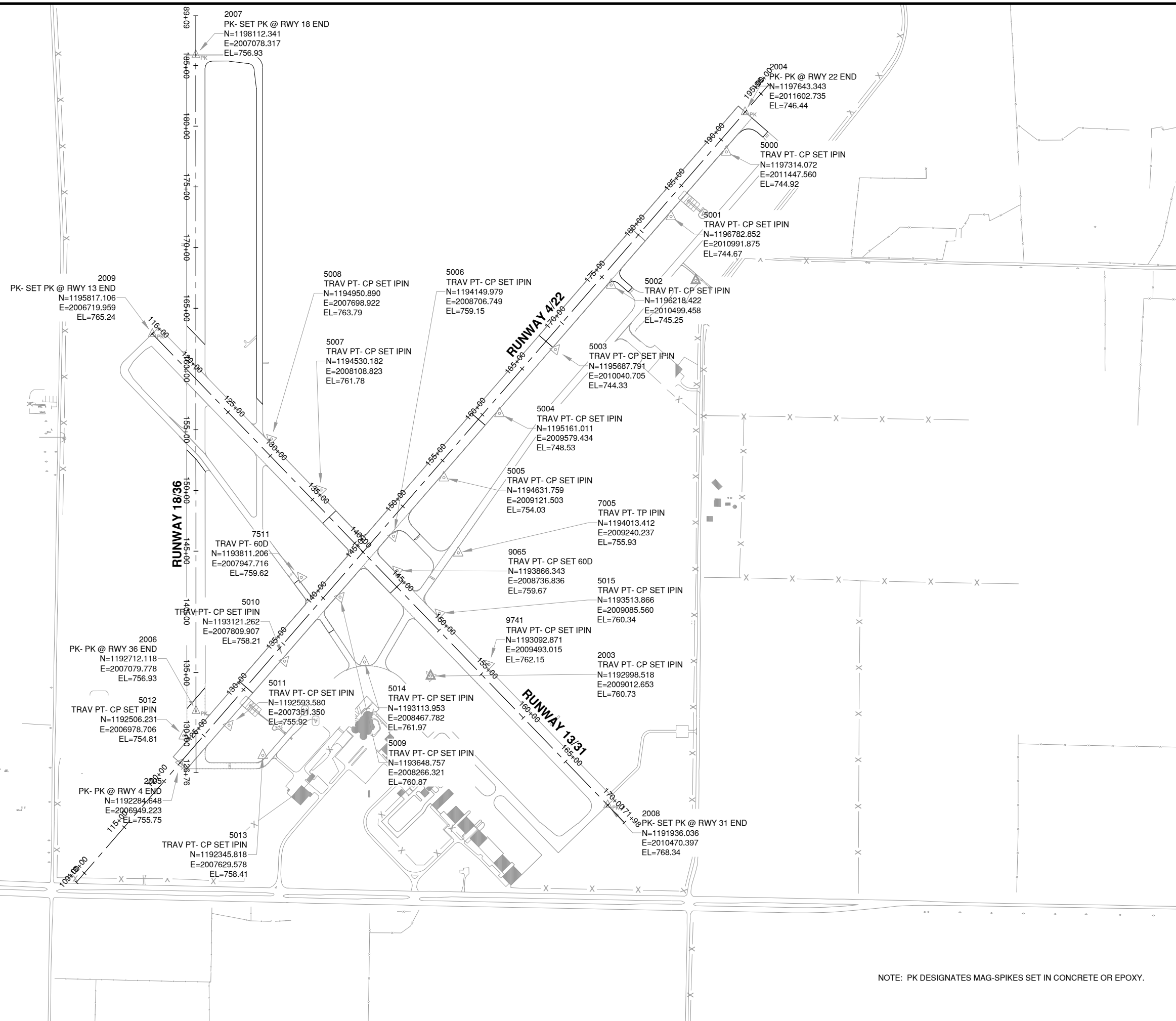
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK | DATE | DESCRIPTION

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CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 CP100.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
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APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE
**PROJECT CONTROL
PLAN**

CP100
SHEET 25 OF 93



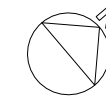
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Date: Monday, December 7, 2020 9:04:12 AM



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0 50' 100'

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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX	Q1063
IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 CP101.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE
**PROPOSED
IMPROVEMENTS 1**

CP101
SHEET 26 OF 93

RUNWAY 18/36

STA. = 130+30.00

MATCHLINE STA. 134+50

122+00 123+00 124+00 125+00 126+00 127+00 128+00 129+00 130+00 131+00 132+00 133+00 134+00

RUNWAY 4/22

TAXIWAY B

LEGEND



PROPOSED OVERLAY

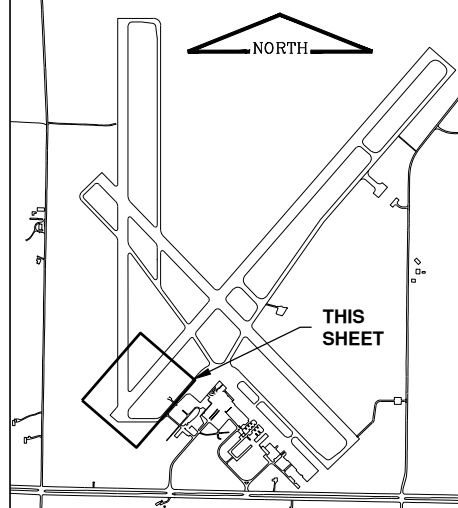


PROPOSED BUTT JOINT

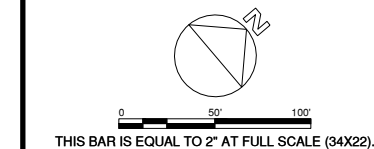


EXISTING PAVEMENT EDGE

KEYMAP



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FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



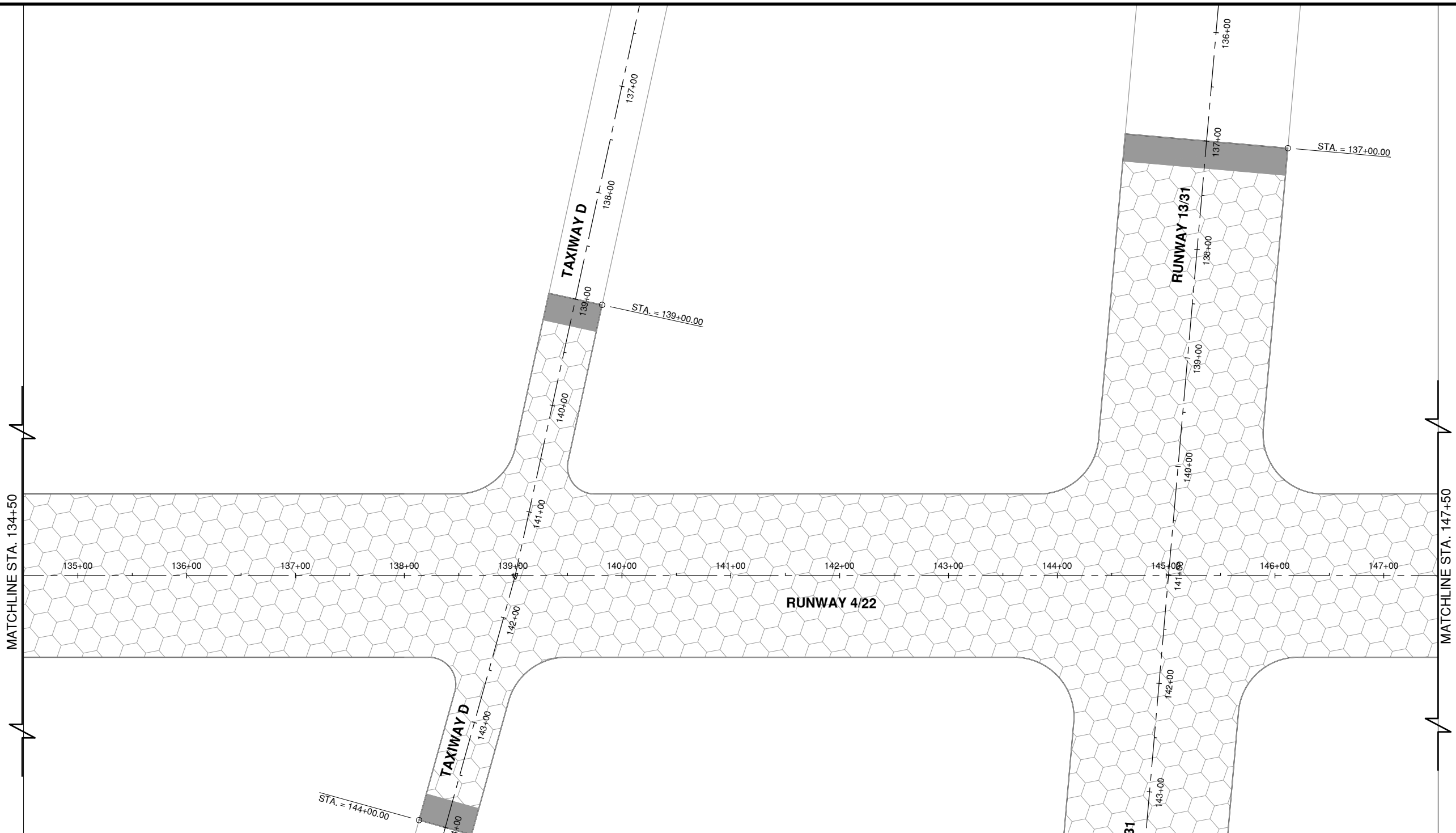
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

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CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 CP101.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
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APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE
**PROPOSED
IMPROVEMENTS 2**

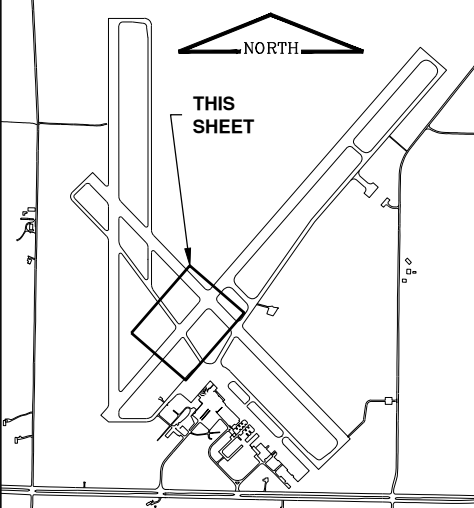
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LEGEND

- PROPOSED OVERLAY
- PROPOSED BUTT JOINT
- EXISTING PAVEMENT EDGE

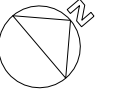
KEYMAP





License No. 184-000613

CONSULTANTS



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

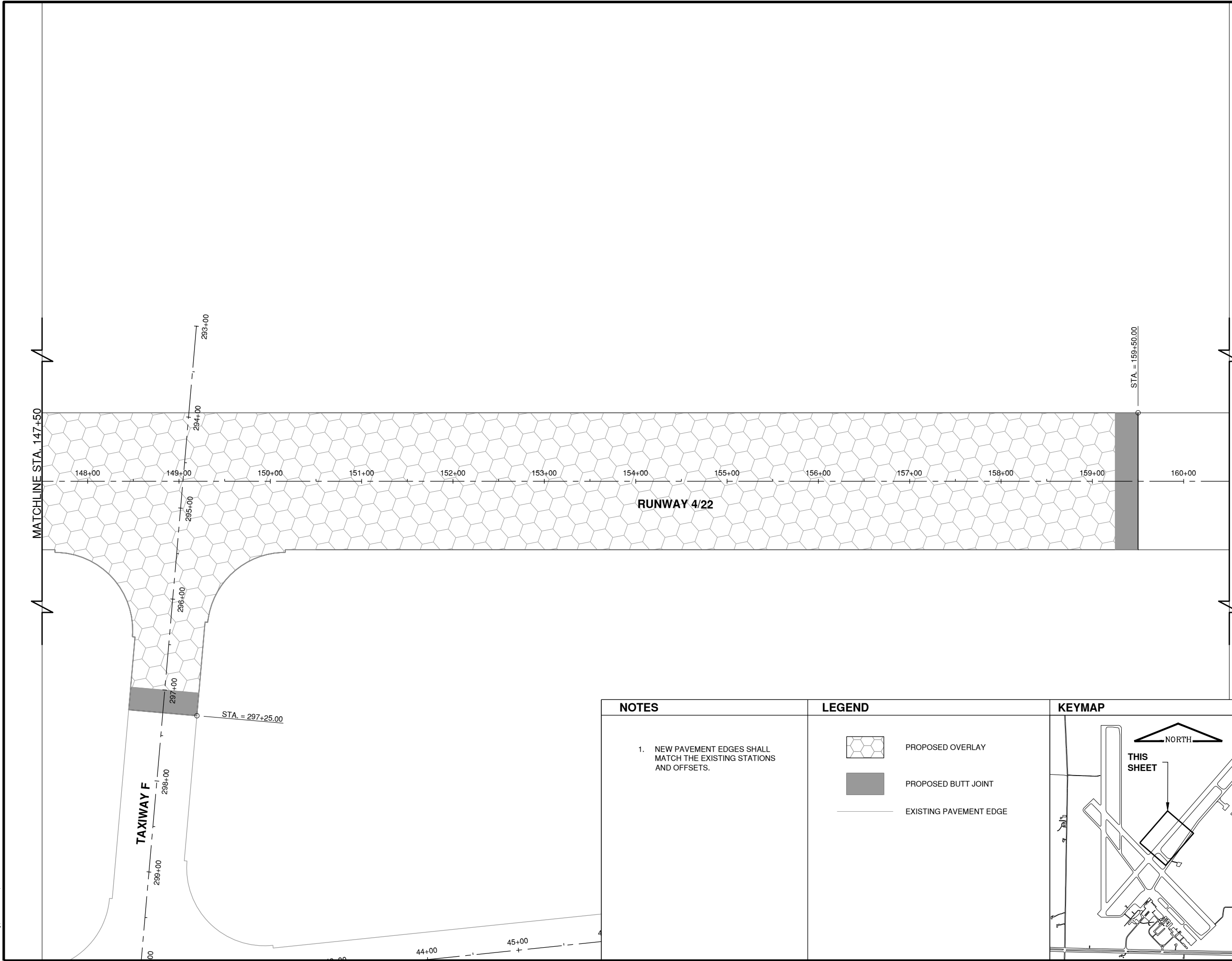
FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL






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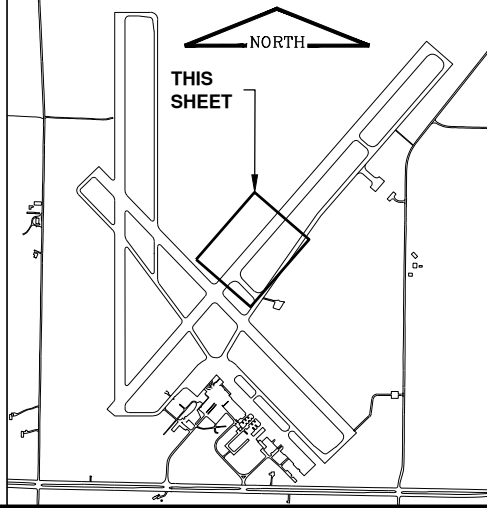
NOTES

1. NEW PAVEMENT EDGES SHALL MATCH THE EXISTING STATIONS AND OFFSETS.

LEGEND

-  PROPOSED OVERLAY
-  PROPOSED BUTT JOINT
-  EXISTING PAVEMENT EDGE

KEYMAP



MARK | DATE | DESCRIPTION

MARK	DATE	DESCRIPTION

SHEET TITLE

PROPOSED
IMPROVEMENTS 3

CP103
SHEET 28 OF 93



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

FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

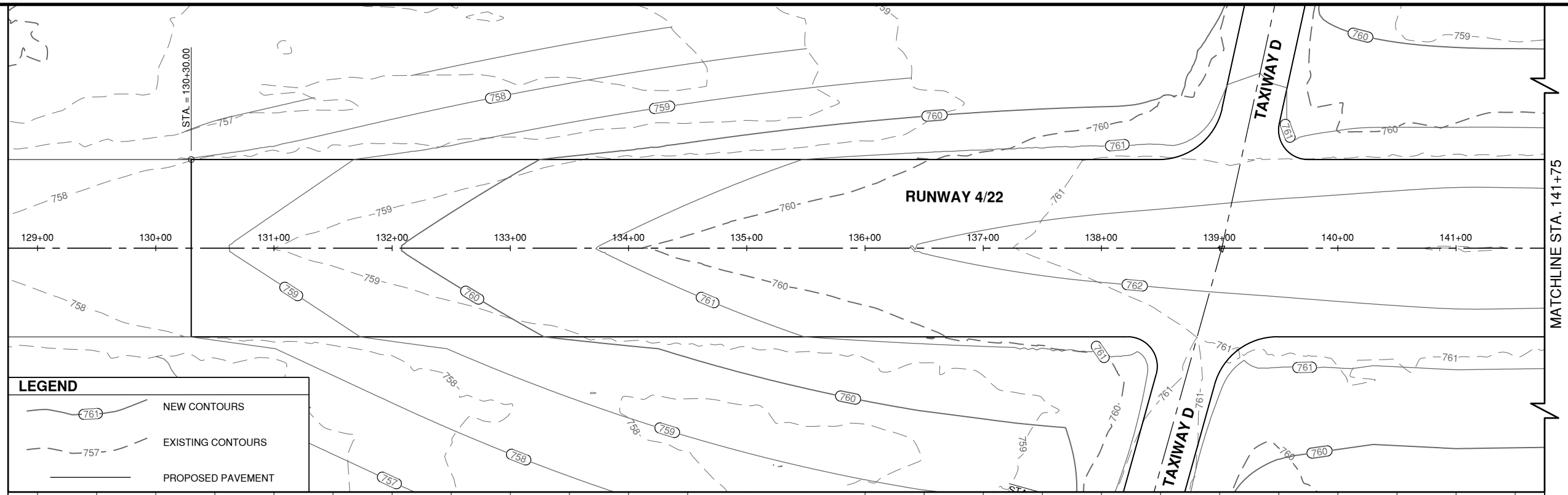
OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

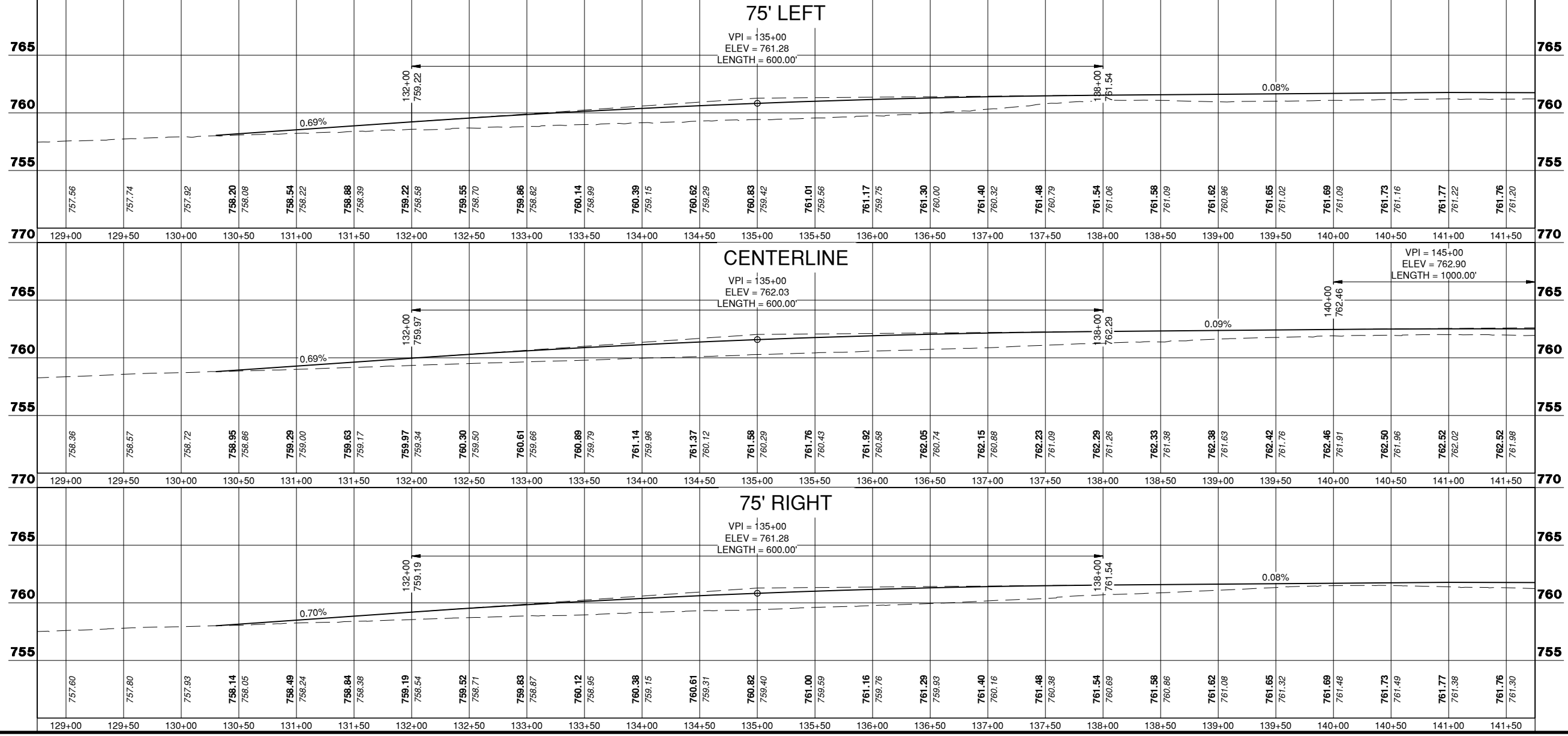
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IL PROJ. NO:	UIN-4834	
CMT PROJECT NO:	18002001	
CAD DWG FILE:	180020-01 PH1 CP201-RWY P+P.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
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SHEET TITLE
**RUNWAY 4-22 PLAN &
PROFILE 1**



LEGEND

- NEW CONTOURS
- EXISTING CONTOURS
- PROPOSED PAVEMENT



Path: K:\Quincy\AP180020-01_ReconRWY4-22\Draws\Sheets\PHASE 1\180020-01 PH1 CP201-RWY P+P.dwg
Date: Monday, December 7, 2020 9:05:11 AM



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FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
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OWNER

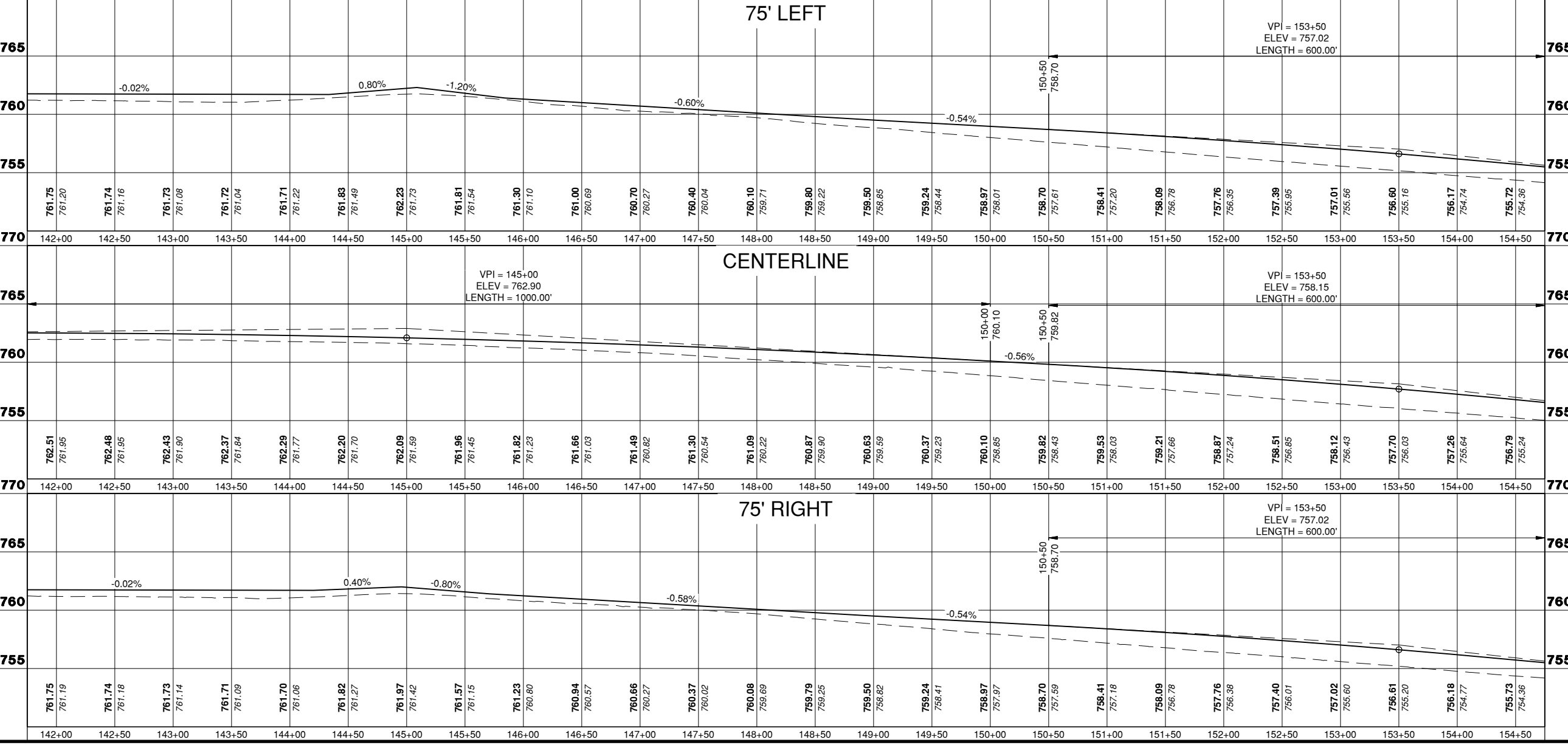
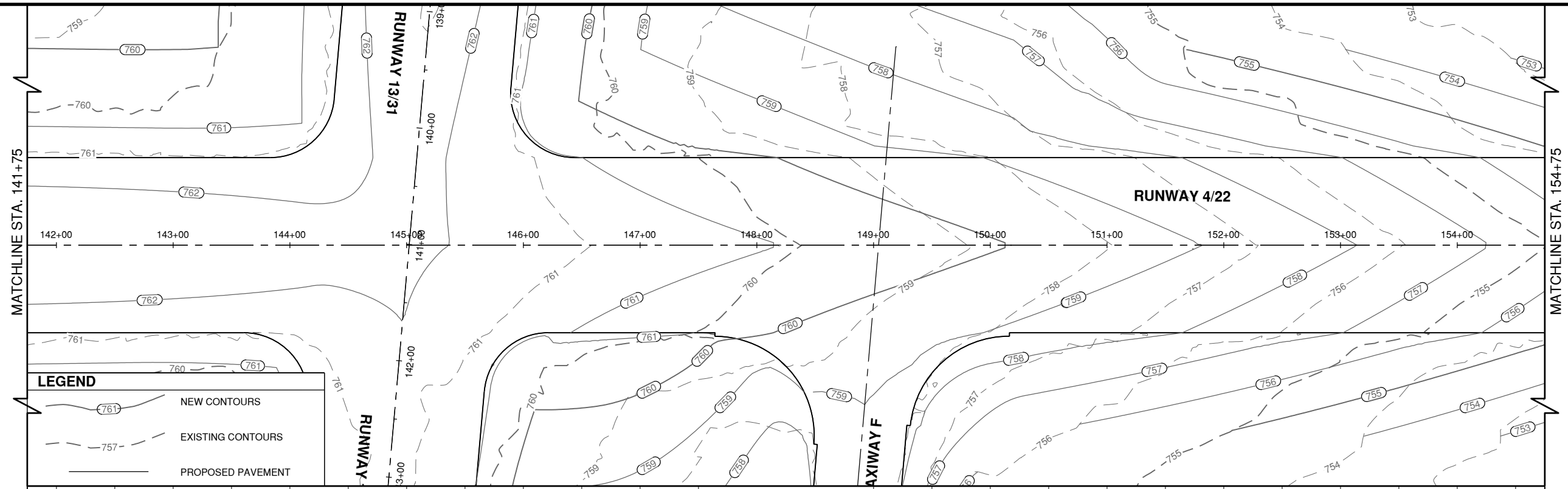


CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

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DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
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SHEET TITLE
**RUNWAY 4-22 PLAN &
PROFILE 2**

CP202
SHEET 30 OF 93



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Date: Monday, December 7, 2020 9:05:19 AM



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FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER

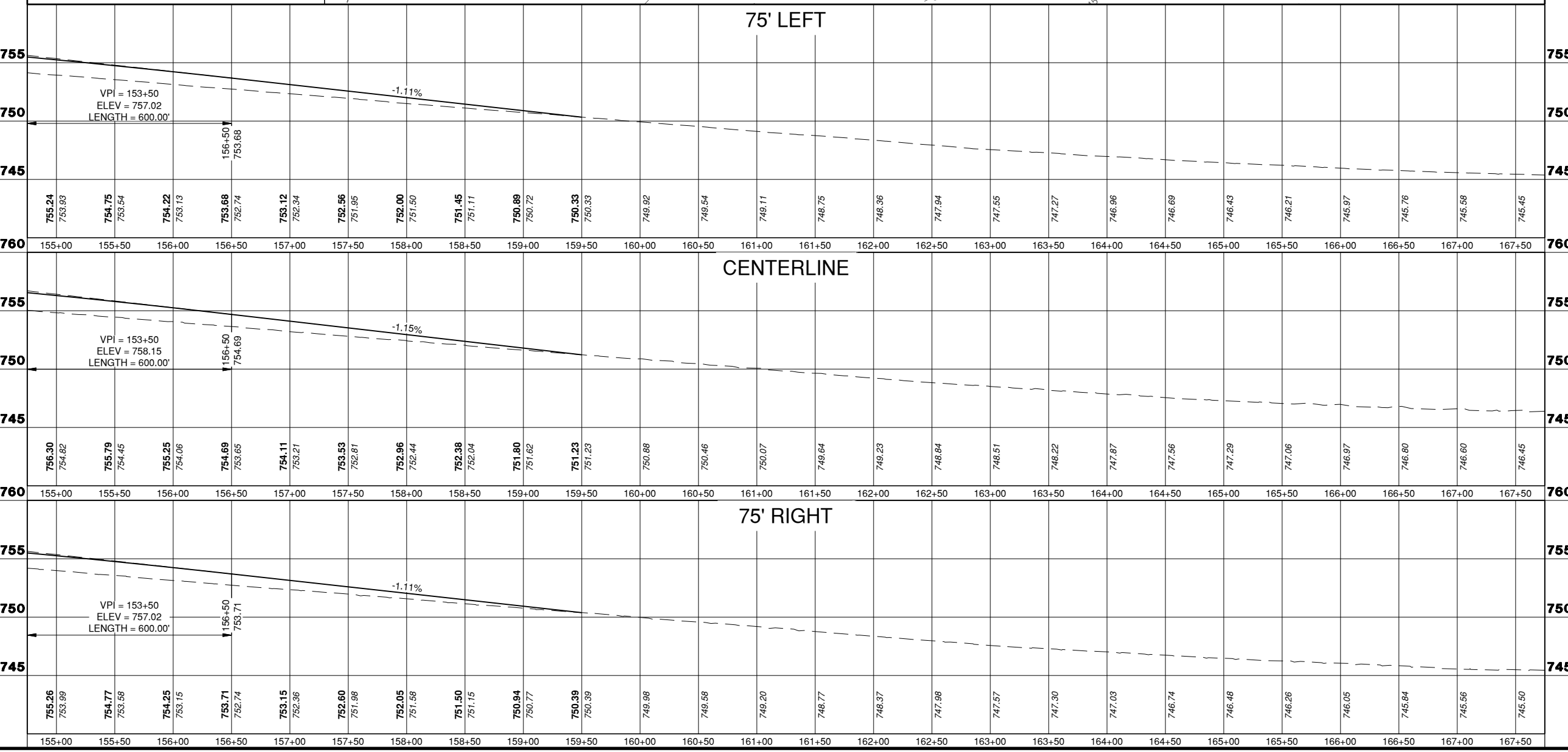
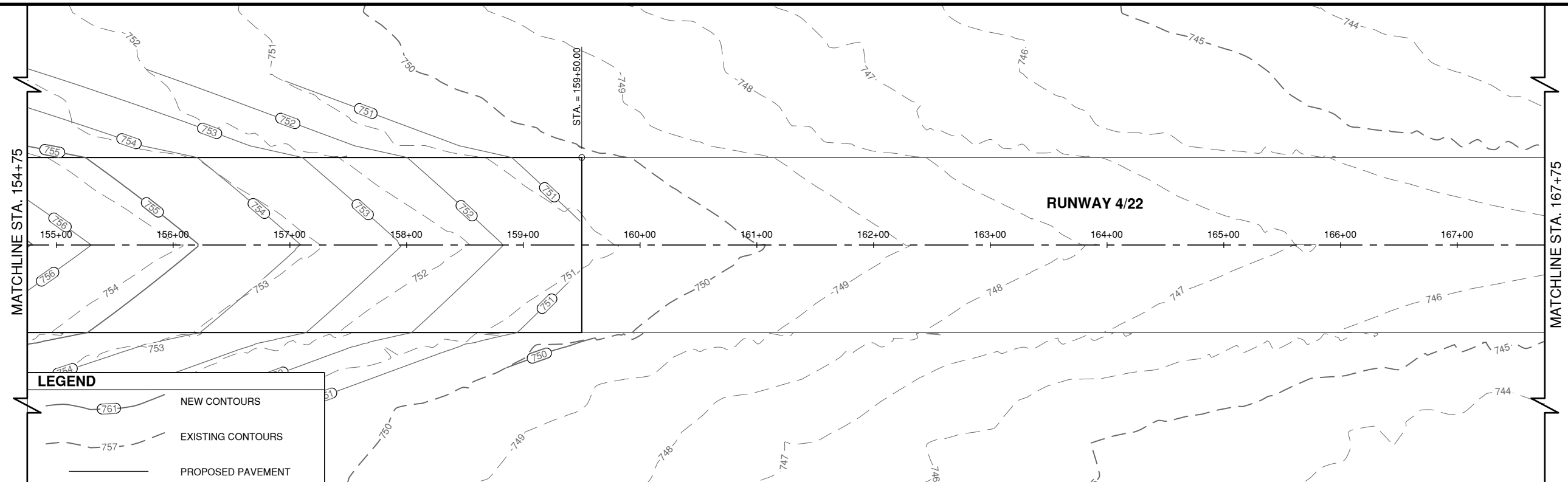


CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

SHEET TITLE
**RUNWAY 4-22 PLAN &
PROFILE 3**

CP203
SHEET 31 OF 93



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Date: Monday, December 7, 2020 9:05:28 AM



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FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
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OWNER



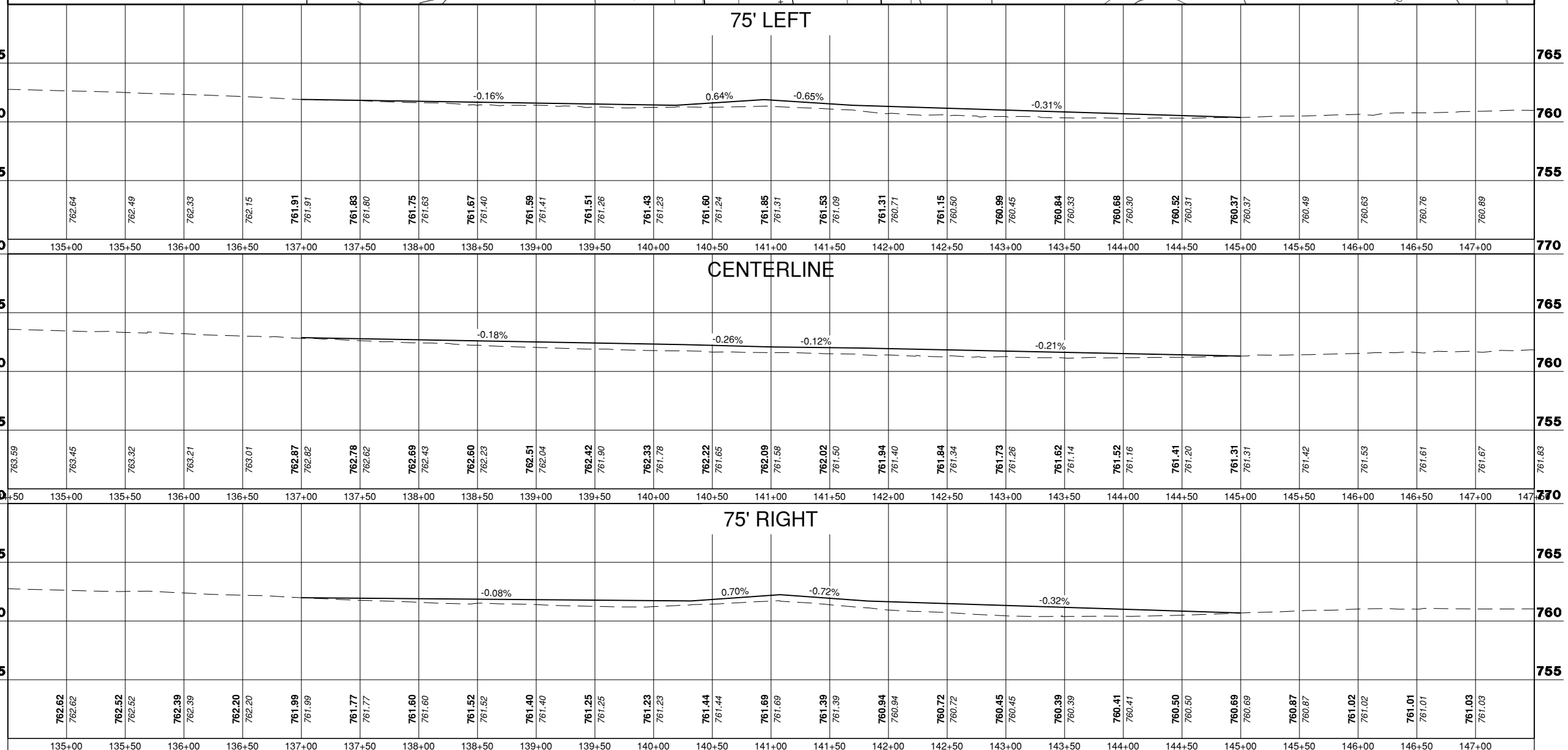
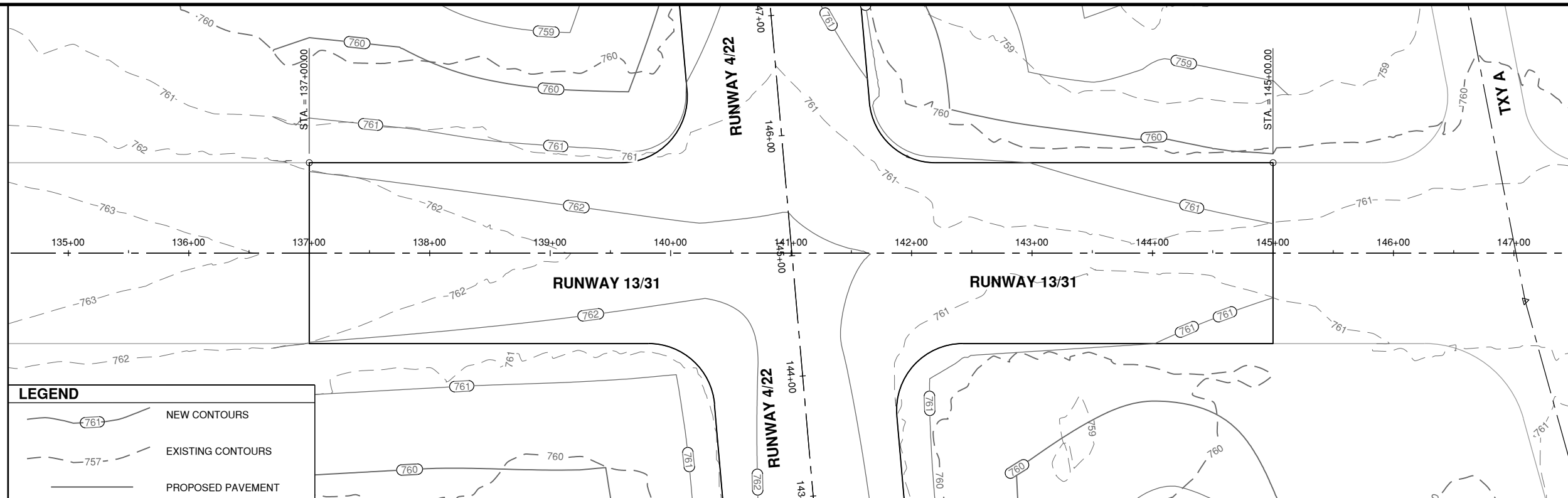
CITY OF QUINCY
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CMT PROJECT NO:	18002001	
CAD DWG FILE:	180020-01 PH1 CP201-RWY P+P.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

SHEET TITLE
**RUNWAY 13-31 PLAN
& PROFILE**

CP204
SHEET 32 OF 93



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Date: Monday, December 7, 2020 9:05:37 AM

FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER

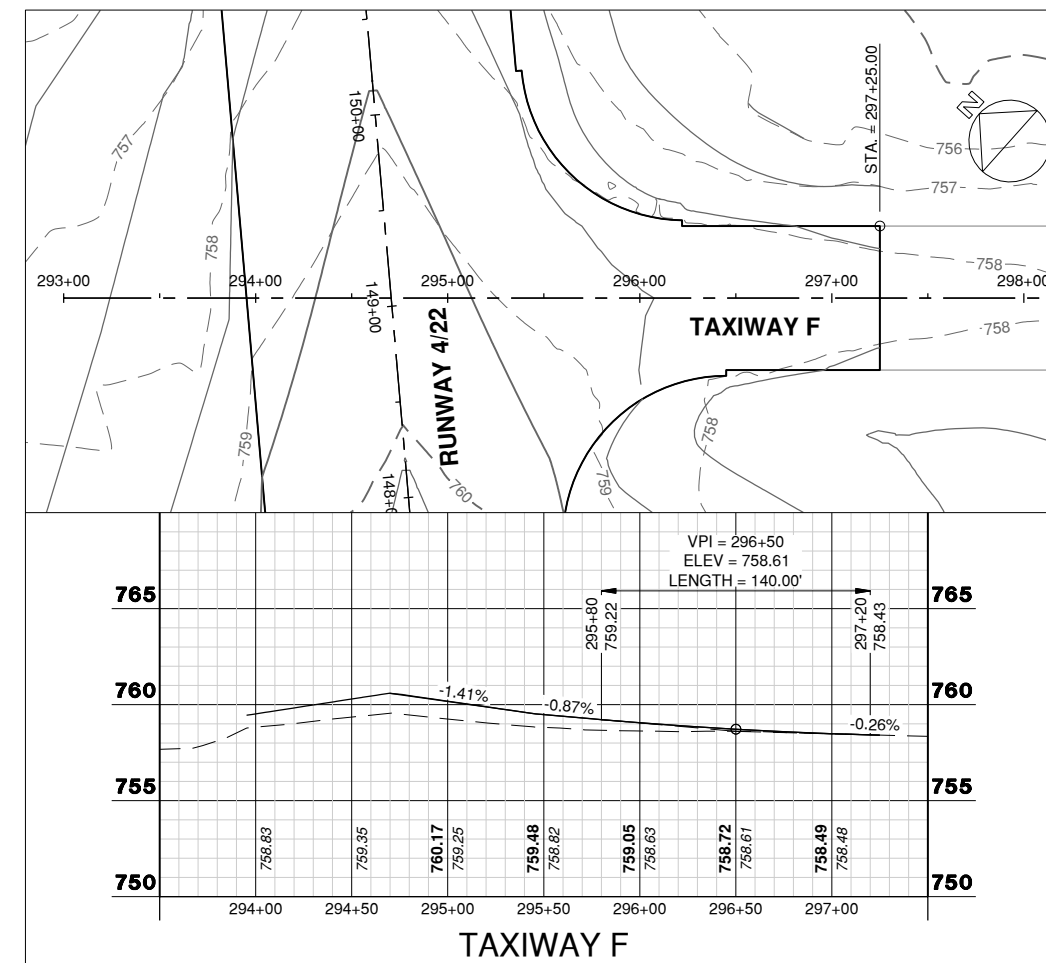
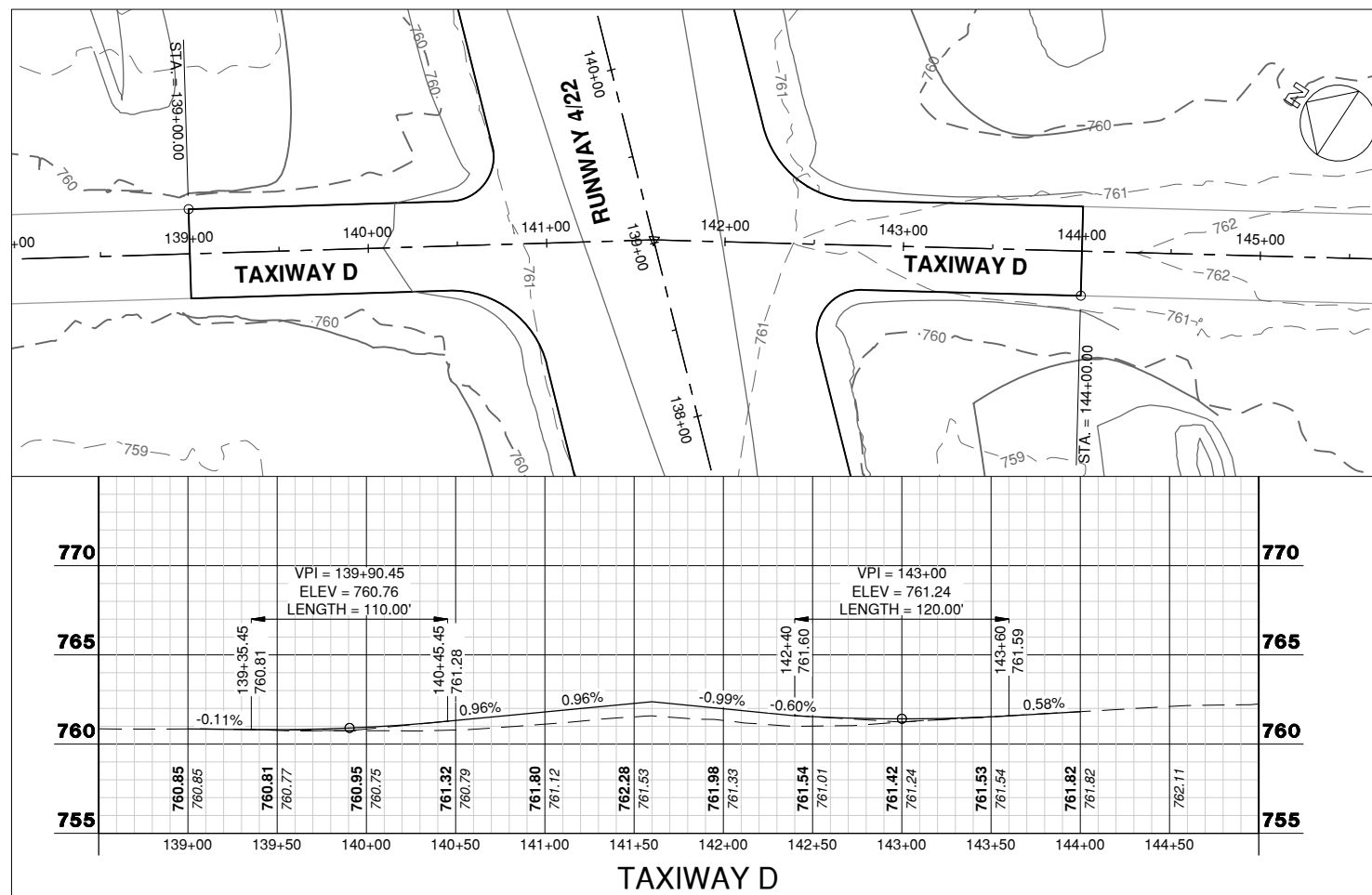


CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX	Q1063
IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 CP208-TXY P+P.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

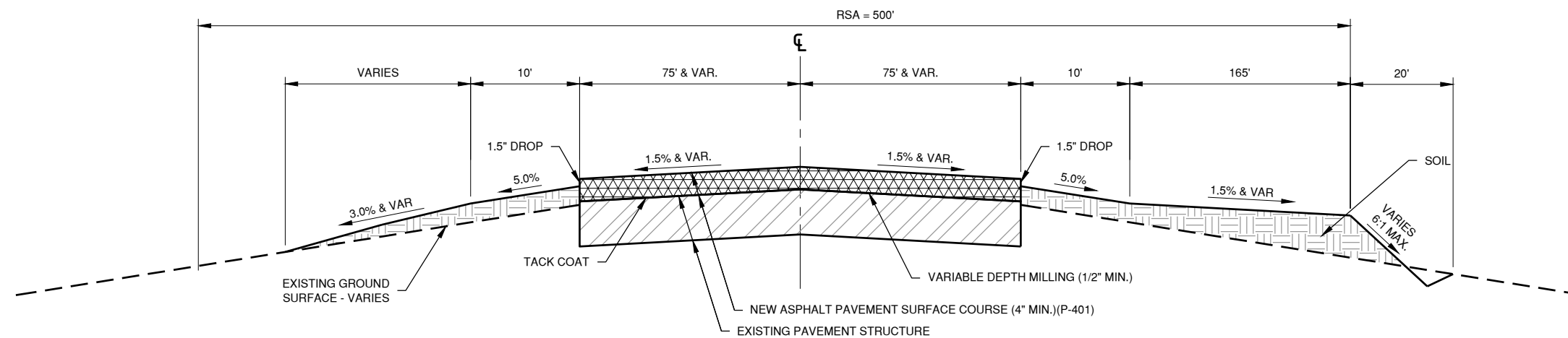
SHEET TITLE
**TAXIWAYS F & D PLAN
& PROFILE**



LEGEND

- NEW CONTOURS
- EXISTING CONTOURS
- PROPOSED PAVEMENT

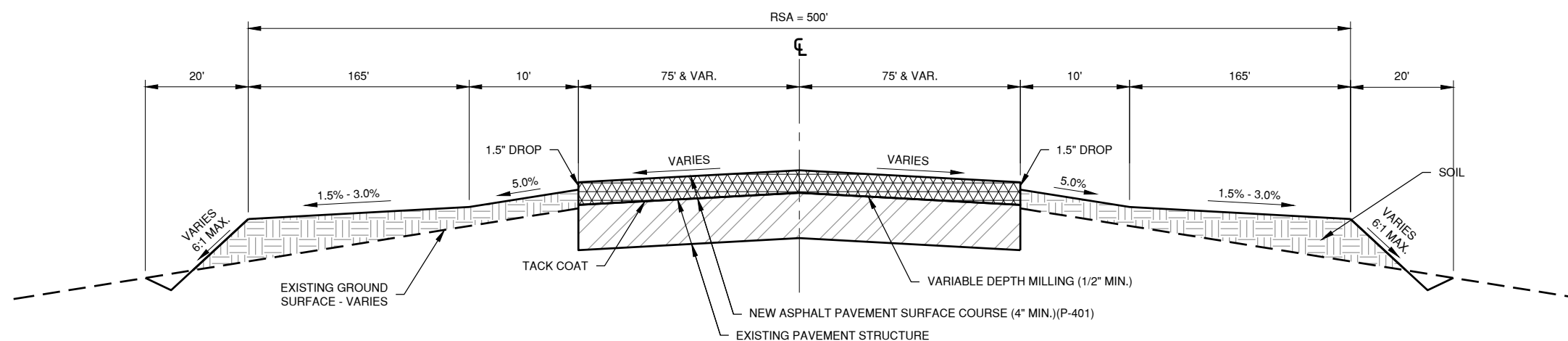
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Date: Monday, December 7, 2020 9:06:04 AM



TYPICAL RUNWAY 4/22 SECTION

N.T.S.

STA. 130+30 TO STA. 139+00



TYPICAL RUNWAY 4/22 SECTION

N.T.S.

STA. 139+00 TO STA. 151+00

FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER

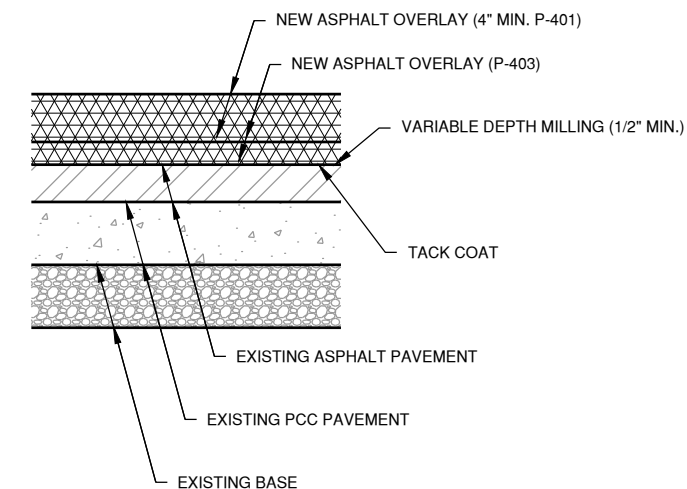


CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

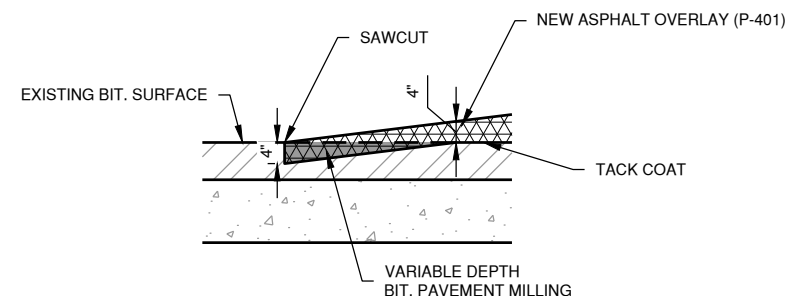
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IL PROJ. NO: UIN-4834	
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DESIGNED BY: HWI	
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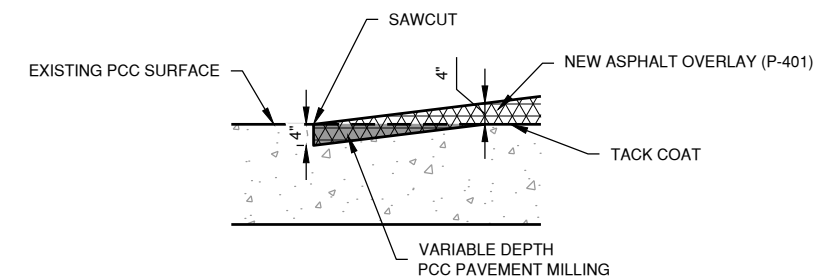
SHEET TITLE
TYPICAL SECTIONS



**TYPICAL OVERLAY SECTION
(EXISTING BITUMINOUS)**
N.T.S.



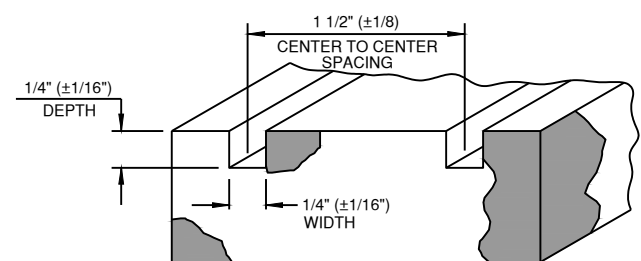
**BUTT JOINT TRANSITION TO EXISTING BITUMINOUS
PAVEMENT (TAXIWAY D, RUNWAY 4/22)**
N.T.S.



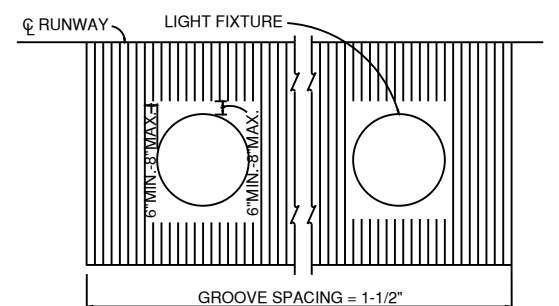
**BUTT JOINT TRANSITION TO EXISTING PCC
PAVEMENT (TAXIWAYS F)**
N.T.S.

GENERAL GROOVING NOTES:

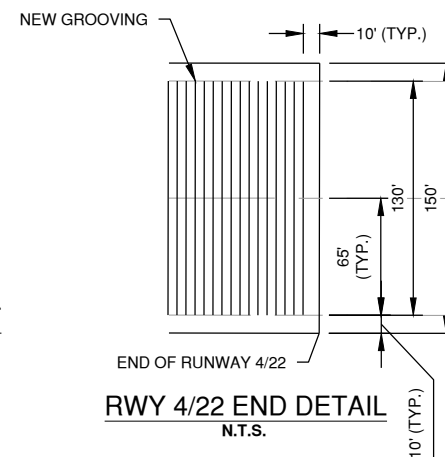
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SECURE AN APPROPRIATE WATER SOURCE FOR GROOVING OPERATIONS.
- GROOVES SHALL RUN TRANSVERSE TO DIRECTION OF TRAFFIC FLOW. GROOVES SHALL EXTEND OUTWARD 65' FROM RUNWAY CENTERLINE.
- GROOVES SHALL BE SAWS NO CLOSER THAN 6 INCHES AND NO MORE THAN 8 INCHES FROM IN-PAVEMENT LIGHT FIXTURES.
- THE CONTRACTOR SHALL GROOVE A TEST SECTION TO DEMONSTRATE THAT THE EQUIPMENT AND OPERATOR WILL PROVIDE THE REQUIRED CONFIGURATION WITHIN THE PRESCRIBED TOLERANCES.
- THE FOLLOWING TOLERANCES WILL BE PERMITTED FOR P-401:
 - $\pm 1/2"$ IN ALIGNMENT PER 75' GROOVE.
 - $\pm 1/16"$ IN DEPTH OF GROOVE.
 - $+1/16" - 0"$ WIDTH OF GROOVE.
 - $-1/8", +0"$ IN CENTER SPACING BETWEEN GROOVES
 - 60% OR MORE OF THE GROOVES SHALL NOT BE LESS THAN $1/8"$ DEPTH
- CONTRACTOR SHALL NOT AT ANY TIME, BE ALLOWED TO DUMP THE GROOVING SLURRY SEAL IN THE AIRFIELD GRASS AREA. GROOVING SHALL USE A VACUUM TRUCK TO REMOVE ALL SLURRY.
- CLEANUP IS EXTREMELY IMPORTANT AND SHALL BE CONTINUOUS THROUGHOUT GROOVING OPERATIONS. THE WASTE MATERIAL COLLECTED DURING THE GROOVING OPERATION MUST BE DISPOSED OF BY THE CONTRACTOR OFF AIRPORT PROPERTY.
- GROOVING SHALL NOT COMMENCE UNTIL THE ASPHALT SURFACE HAS CURED FOR THIRTY (30) DAYS AND SURFACE SHALL BE THOROUGHLY FLUSHED PRIOR TO PERMANENT PAVEMENT MARKING.
- AREAS WHERE GROOVING IS PERFORMED SHALL RECEIVE A DOUBLE APPLICATION OF PAVEMENT MARKING. THE SECOND APPLICATION SHALL BE APPLIED OPPOSITE TO THE FIRST APPLICATION.



SAW-CUT GROOVING CONFIGURATION
N.T.S.



**TYPICAL GROOVING DETAIL ADJACENT
TO INPAVEMENT LIGHTING**
N.T.S.



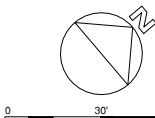
RWY 4/22 END DETAIL
N.T.S.

BITUMINOUS PAVEMENT GROOVING DETAIL
N.T.S.



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CONSULTANTS



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

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NOVEMBER 20, 2020



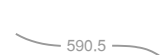

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER

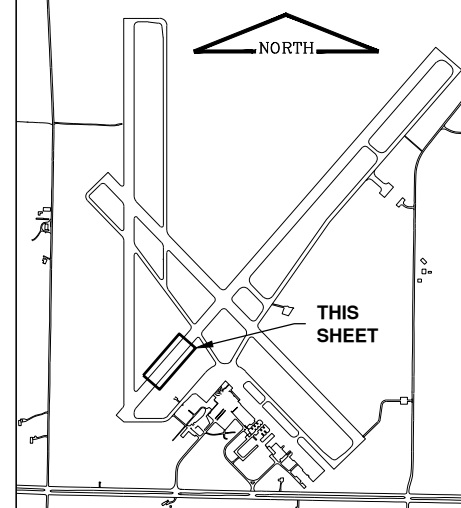


CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

LEGEND

-  NEW ELEVATION
-  EXISTING ELEVATION
-  NEW CONTOUR
-  EXISTING CONTOUR

KEYMAP



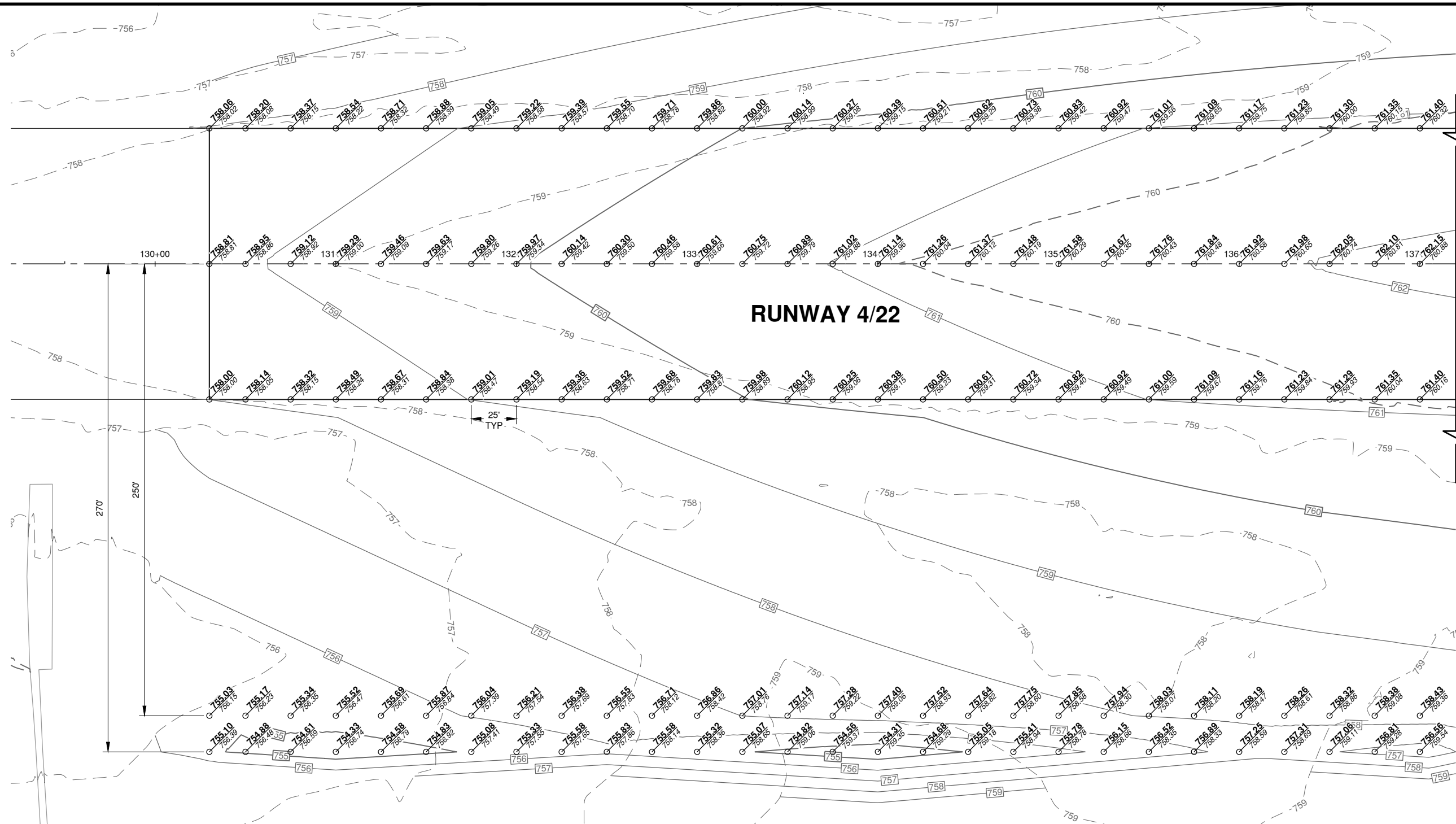
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IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 CS100.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE
STAKING PLAN 1

CS101
SHEET 36 OF 93

Path: K:\Quincy\AP\180020-01_ReconRunway4-22\DrawnSheets\PHASE 1\180020-01 PH1 CS100.dwg
Date: Monday, December 7, 2020 9:06:53 AM



RUNWAY 4/22

MATCHLINE STA. 137+20

130+00

270'

250'

25' TYP

Elevation markers: 758.06, 758.20, 758.37, 758.54, 758.71, 758.88, 759.05, 759.22, 759.39, 759.55, 759.71, 759.88, 760.00, 760.14, 760.27, 760.39, 760.51, 760.62, 760.73, 760.83, 760.92, 761.01, 761.09, 761.17, 761.23, 761.30, 761.35, 761.40

Contour lines: 756, 757, 758, 759, 760, 761, 762

Path: K:\Quincy\AP180020-01_ReconRunway4-22\DrawnSheets\PHASE 1\180020-01 PH1 CS100.dwg
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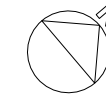


250'
270'



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CONSULTANTS



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FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER

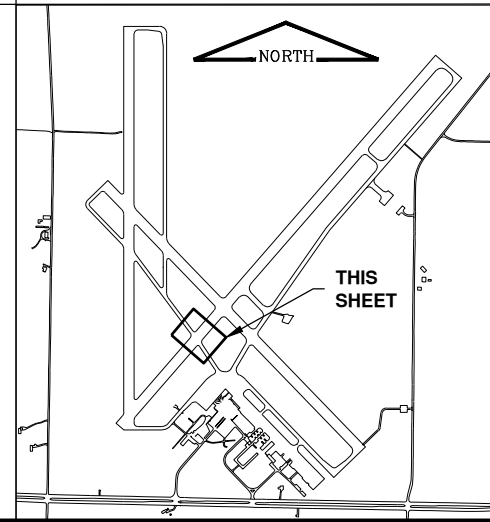


CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

LEGEND

- NEW ELEVATION
- EXISTING ELEVATION
- NEW CONTOUR
- EXISTING CONTOUR

KEYMAP



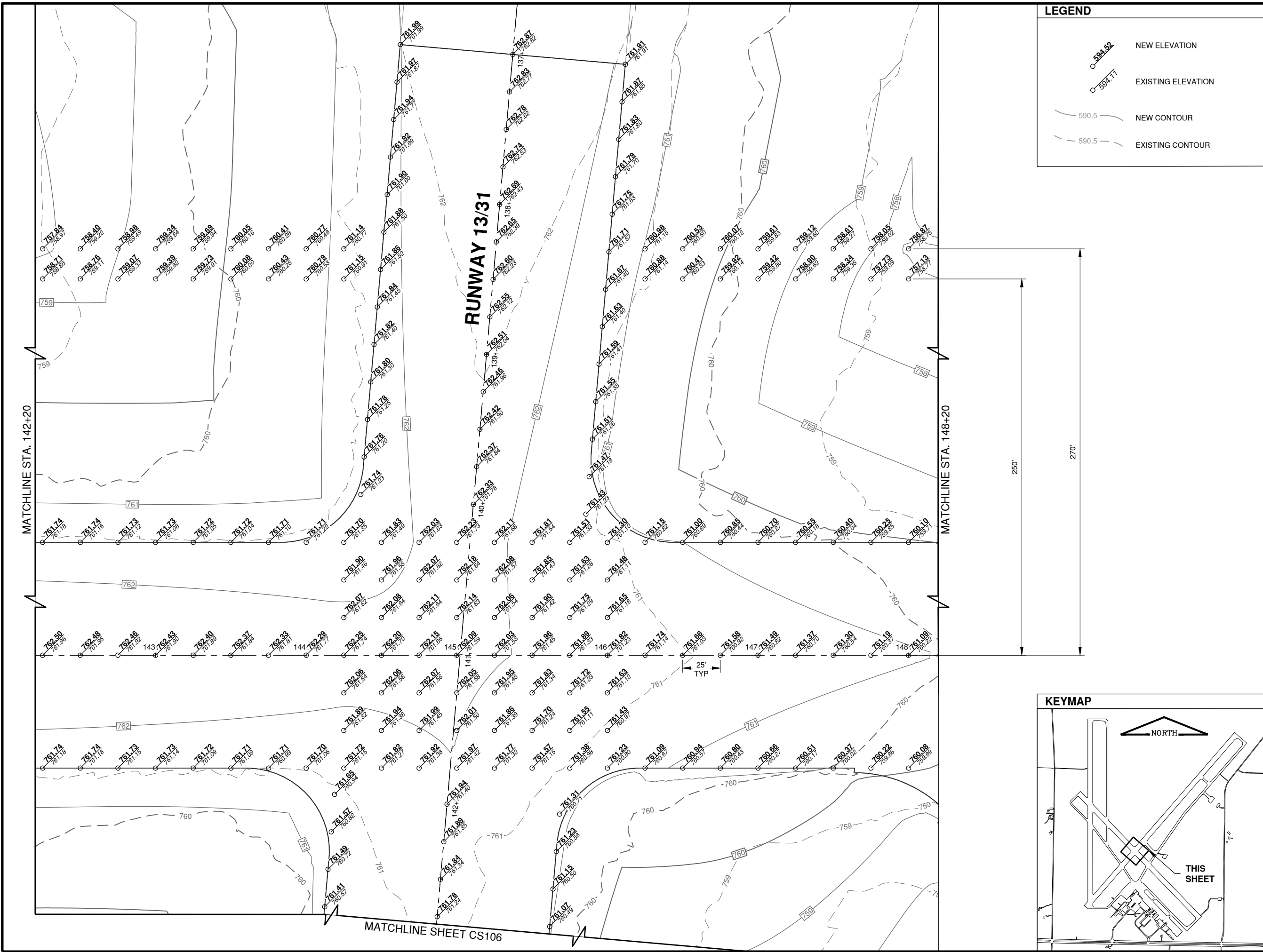
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CMT PROJECT NO: 18002001	
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DESIGNED BY: HWI	
CHECKED BY: DPA	
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SHEET TITLE
STAKING PLAN 2

CS102
SHEET 37 OF 93

Path: K:\Quincy\AP180020-01_Recon\Runway\4-22\Draws\Sheets\PHASE 1\180020-01 PH1 CS100.dwg
 Date: Monday, December 7, 2020 9:06:57 AM



LEGEND

- 594.52 NEW ELEVATION
- 594.77 EXISTING ELEVATION
- 590.5 NEW CONTOUR
- - 590.5 EXISTING CONTOUR



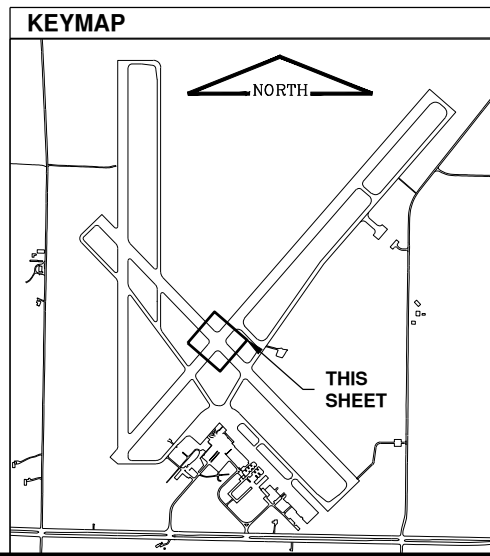
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FINAL SUBMITTAL
 NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
 PHASE 1 (CONSTRUCTION)

OWNER

CITY OF QUINCY
 QUINCY REGIONAL AIRPORT
 QUINCY, IL



MARK	DATE	DESCRIPTION

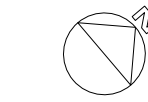
STAKING PLAN 3

CS103
 SHEET 38 OF 93



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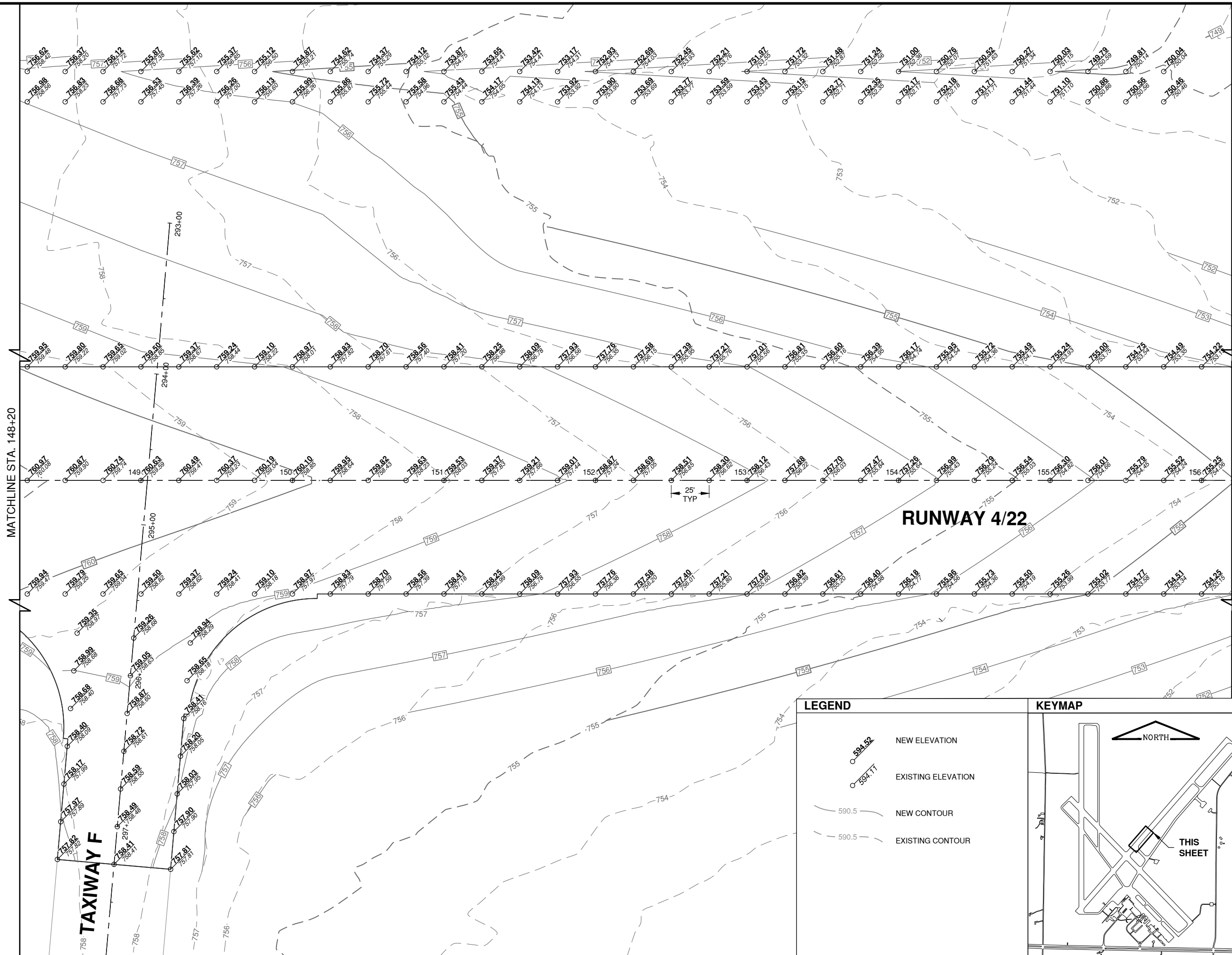
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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL



MATCHLINE STA. 148+20

MATCHLINE STA. 156+20

RUNWAY 4/22

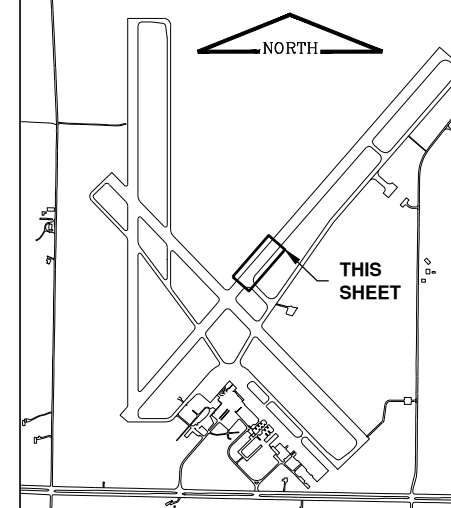
TAXIWAY F

25' TYP

LEGEND

- NEW ELEVATION
- EXISTING ELEVATION
- NEW CONTOUR
- EXISTING CONTOUR

KEYMAP



MARK | DATE | DESCRIPTION

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IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 CS100.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
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SHEET TITLE
STAKING PLAN 4

Path: K:\Quincy\AP180020\01_ReconRunway4-22\DrawnSheets\PHASE 1\180020-01 PH1 CS100.dwg
Date: Monday, December 7, 2020 9:07:07 AM



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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



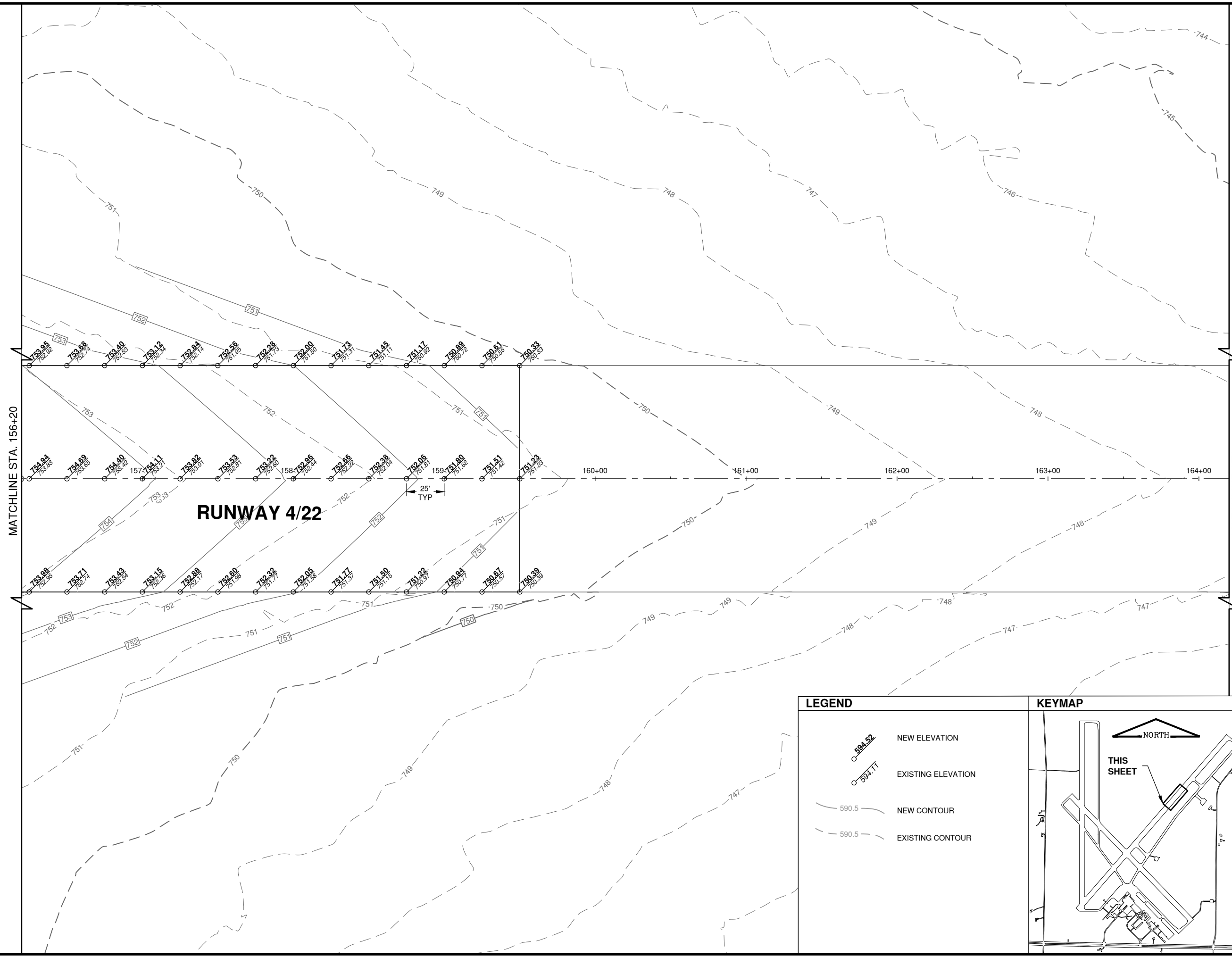
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

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CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 CS100.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
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SHEET TITLE
STAKING PLAN 5

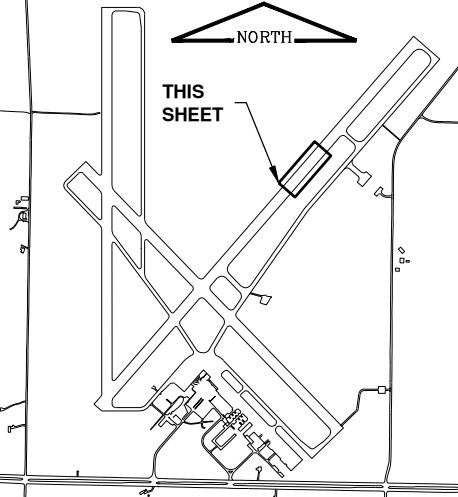
CS105
SHEET 40 OF 93



LEGEND

- NEW ELEVATION
- EXISTING ELEVATION
- NEW CONTOUR
- EXISTING CONTOUR

KEYMAP



Path: K:\Quincy\AP\180020-01_ReconRW4-22\DrawSheets\PHASE 1\180020-01 PH1 CS100.dwg
Date: Monday, December 7, 2020 9:07:12 AM



0 30' 60'
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

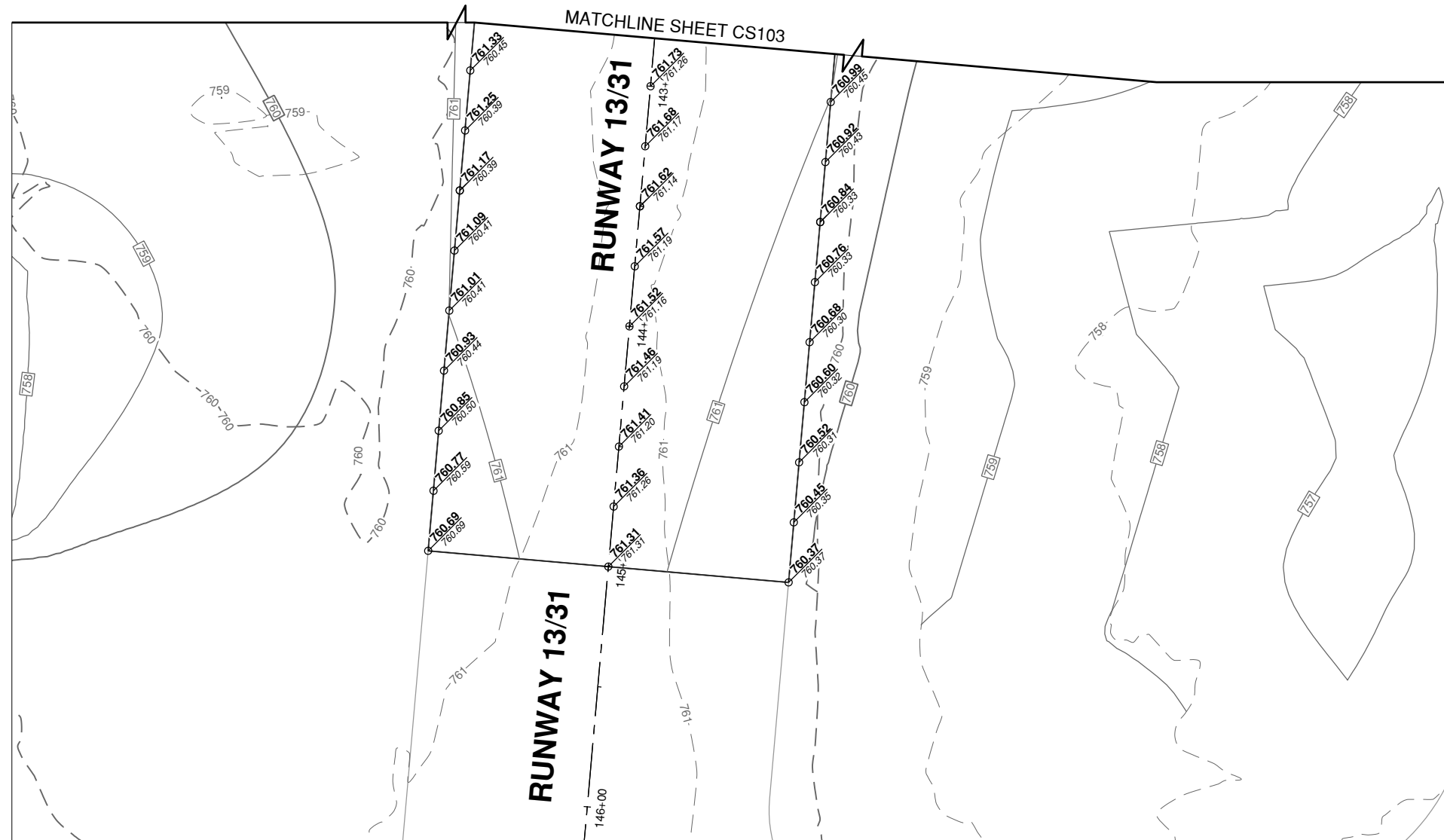
FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)





OWNER



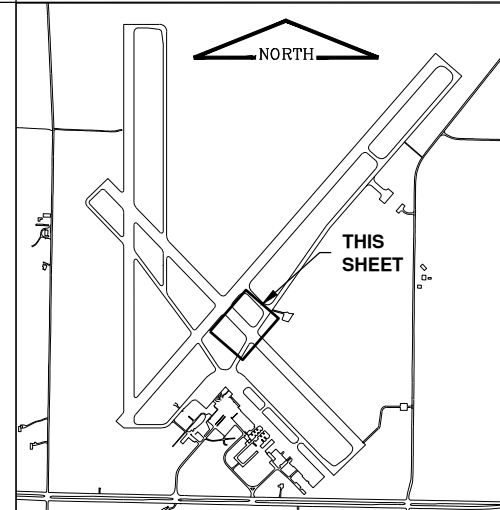
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL



LEGEND

-  NEW ELEVATION
-  EXISTING ELEVATION
-  NEW CONTOUR
-  EXISTING CONTOUR

KEYMAP

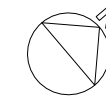


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DESIGNED BY: HWI	
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SHEET TITLE
STAKING PLAN 6

CS106
SHEET **41** OF **93**



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

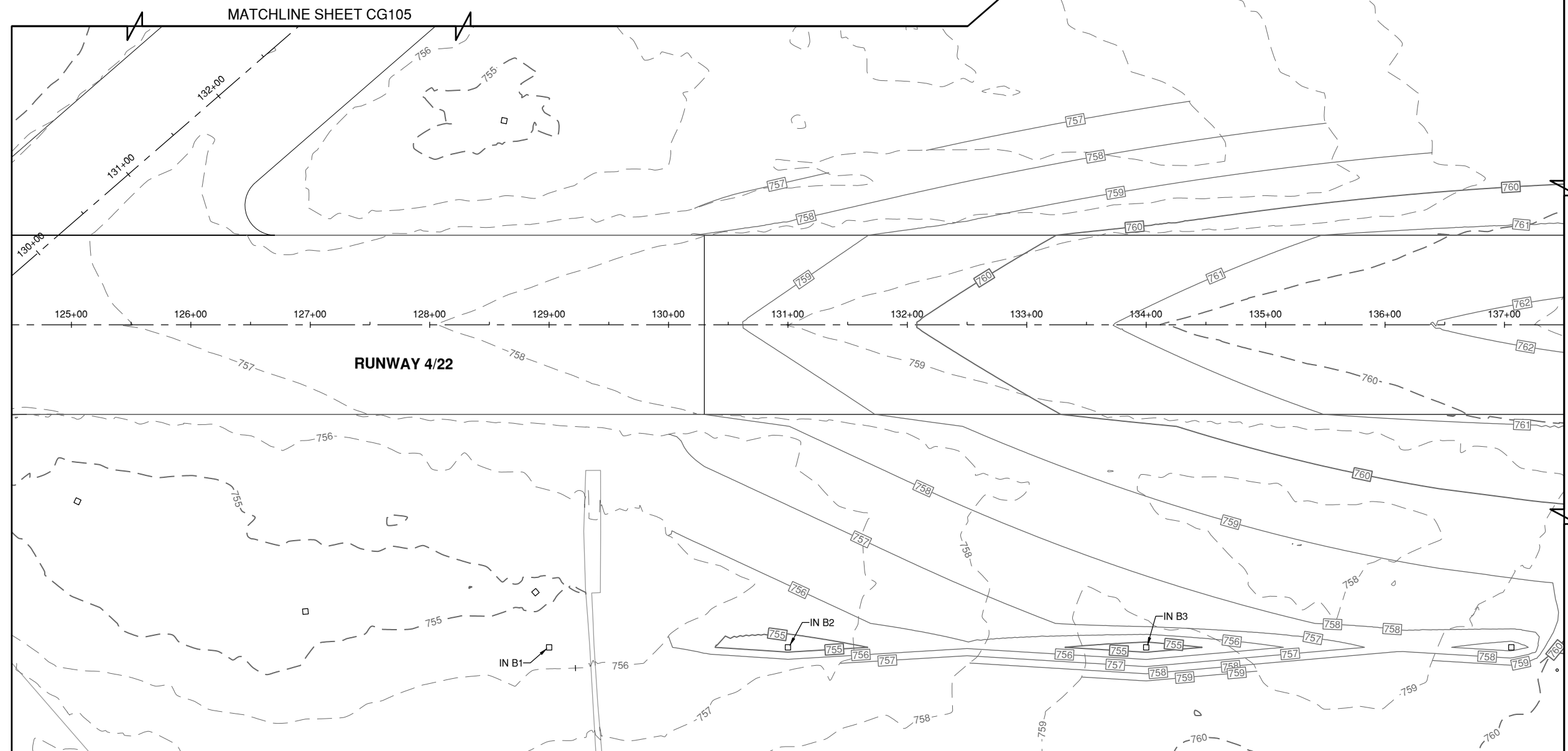
FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER

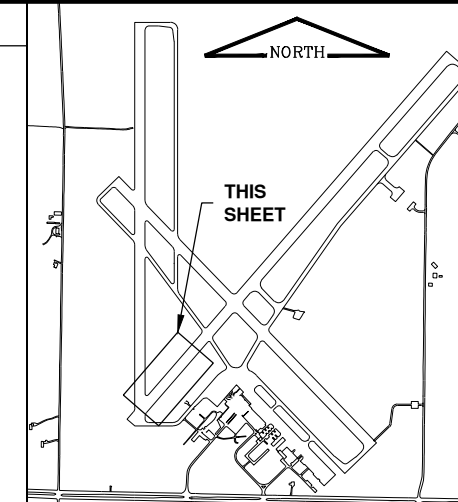


CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL



LEGEND

- NEW PAVEMENT EDGE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- EXISTING SEWER PIPE
- NEW STORM SEWER PIPE
- PROPOSED DITCH FLOWLINE
- NEW INLET

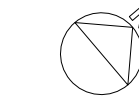


MARK	DATE	DESCRIPTION

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CAD DWG FILE: 180020-01 CG101.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
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SHEET TITLE
**GRADING &
DRAINAGE 1**

CG101
SHEET 42 OF 93



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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

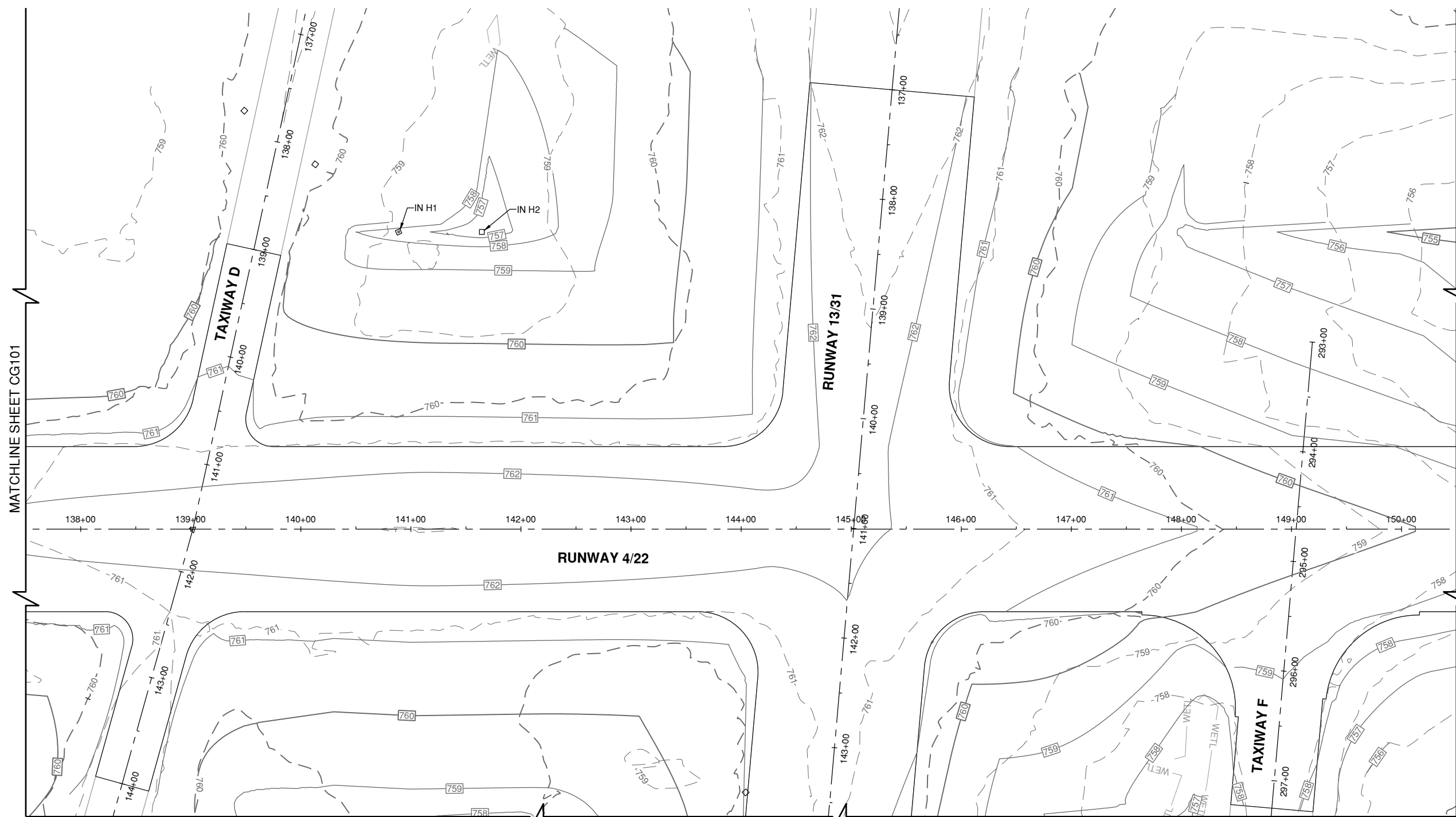
OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MATCHLINE SHEET CG101

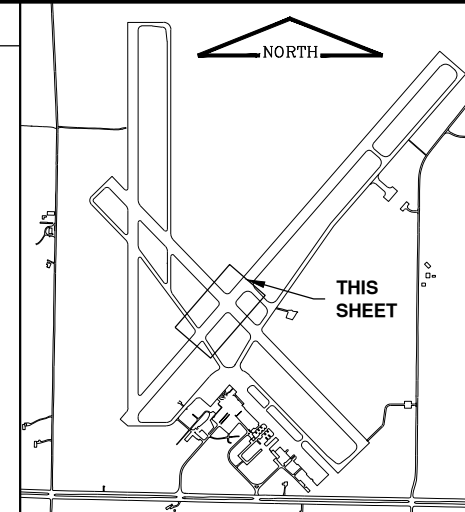
MATCHLINE SHEET CG103



MATCHLINE SHEET CG104

LEGEND

- NEW PAVEMENT EDGE
- 586 — PROPOSED CONTOUR
- - - 586 - - - EXISTING CONTOUR
- ST — EXISTING SEWER PIPE
- ST — NEW STORM SEWER PIPE
- ← - - - → PROPOSED DITCH FLOWLINE
- IN NEW INLET



MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX	Q1063
IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 CG101.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
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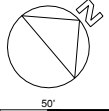
SHEET TITLE
**GRADING &
DRAINAGE 2**

CG102
SHEET 43 OF 93



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RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

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CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK DATE DESCRIPTION

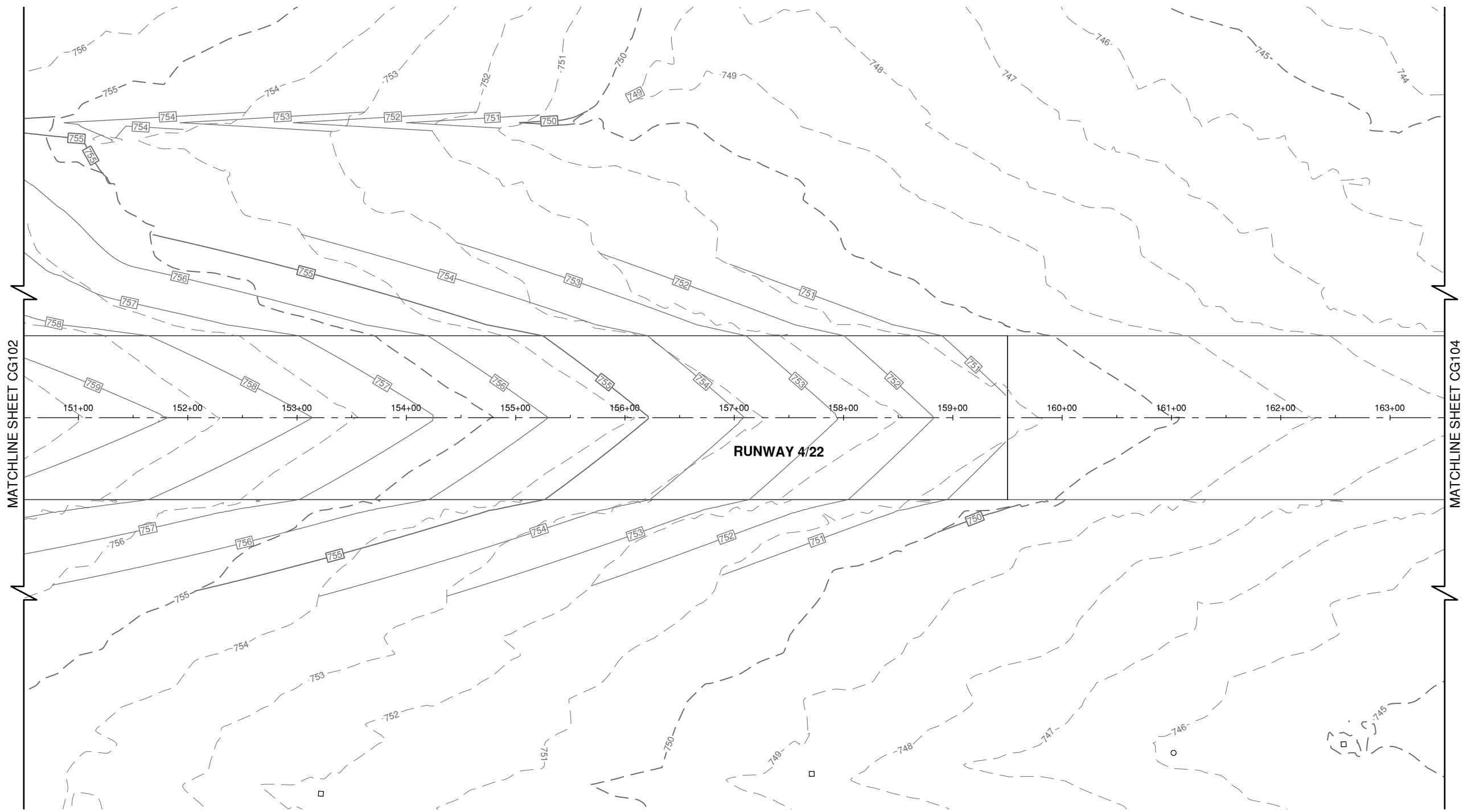
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DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE
**GRADING &
DRAINAGE 3**

CG103
SHEET 44 OF 93

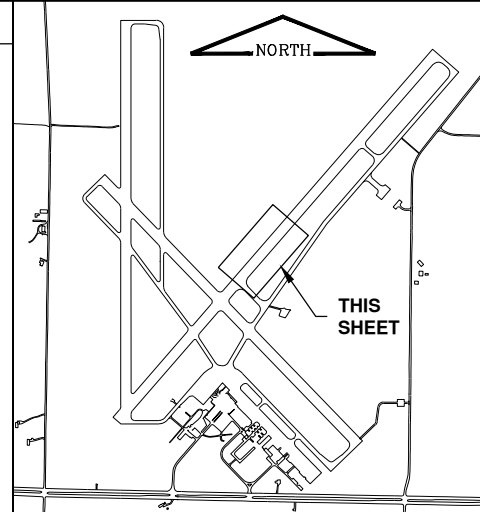
MATCHLINE SHEET CG102

MATCHLINE SHEET CG104

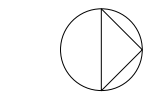


LEGEND

- NEW PAVEMENT EDGE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- EXISTING SEWER PIPE
- NEW STORM SEWER PIPE
- PROPOSED DITCH FLOWLINE
- NEW INLET



Path: K:\Quincy\AP180020-01_ReconRunway4-22\Draws\Sheets\PHASE 1\180020-01 CG101.dwg
Date: Monday, December 7, 2020 9:07:46 AM



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FINAL SUBMITTAL
NOVEMBER 20, 2020RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER

CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX Q1063

IL PROJ. NO: UIN-4834

CMT PROJECT NO: 18002001

CAD DWG FILE: 180020-01 CG101.DWG

DESIGNED BY: HWI

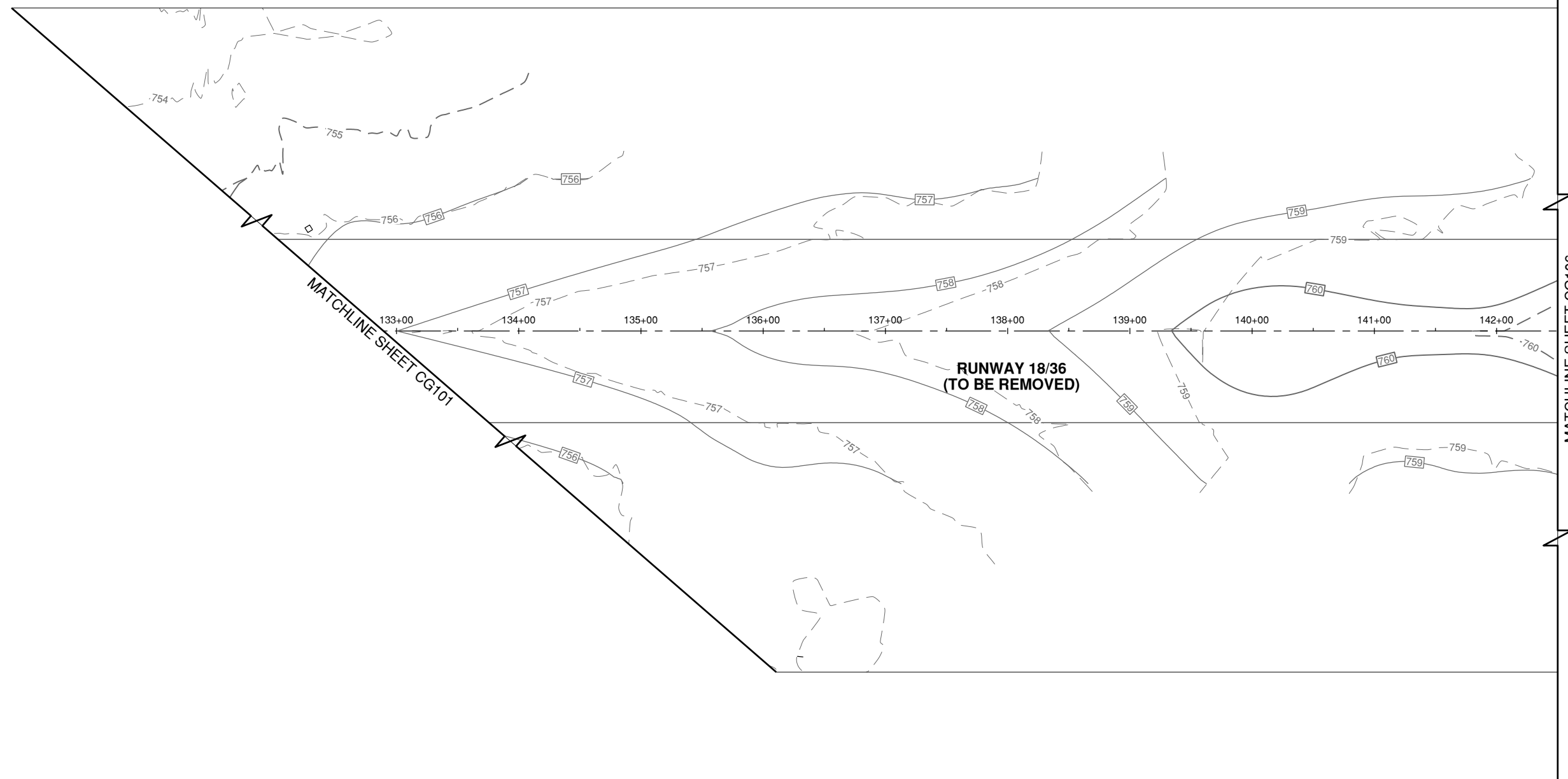
DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: RLV

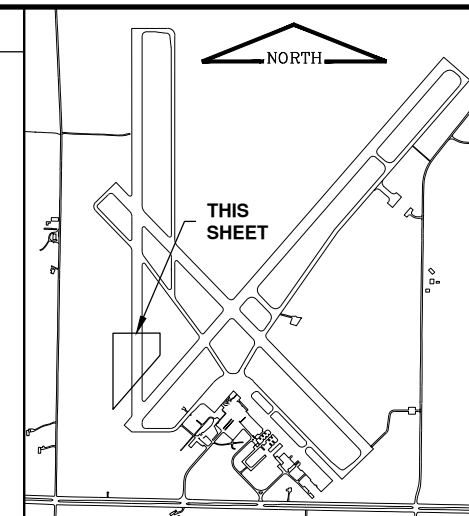
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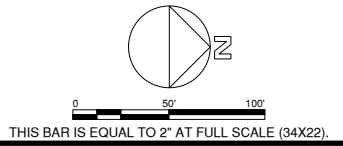
SHEET TITLE

GRADING &
DRAINAGE 5CG105
SHEET 46 OF 93

LEGEND

- NEW PAVEMENT EDGE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- EXISTING SEWER PIPE
- NEW STORM SEWER PIPE
- PROPOSED DITCH FLOWLINE
- NEW INLET





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NOVEMBER 20, 2020

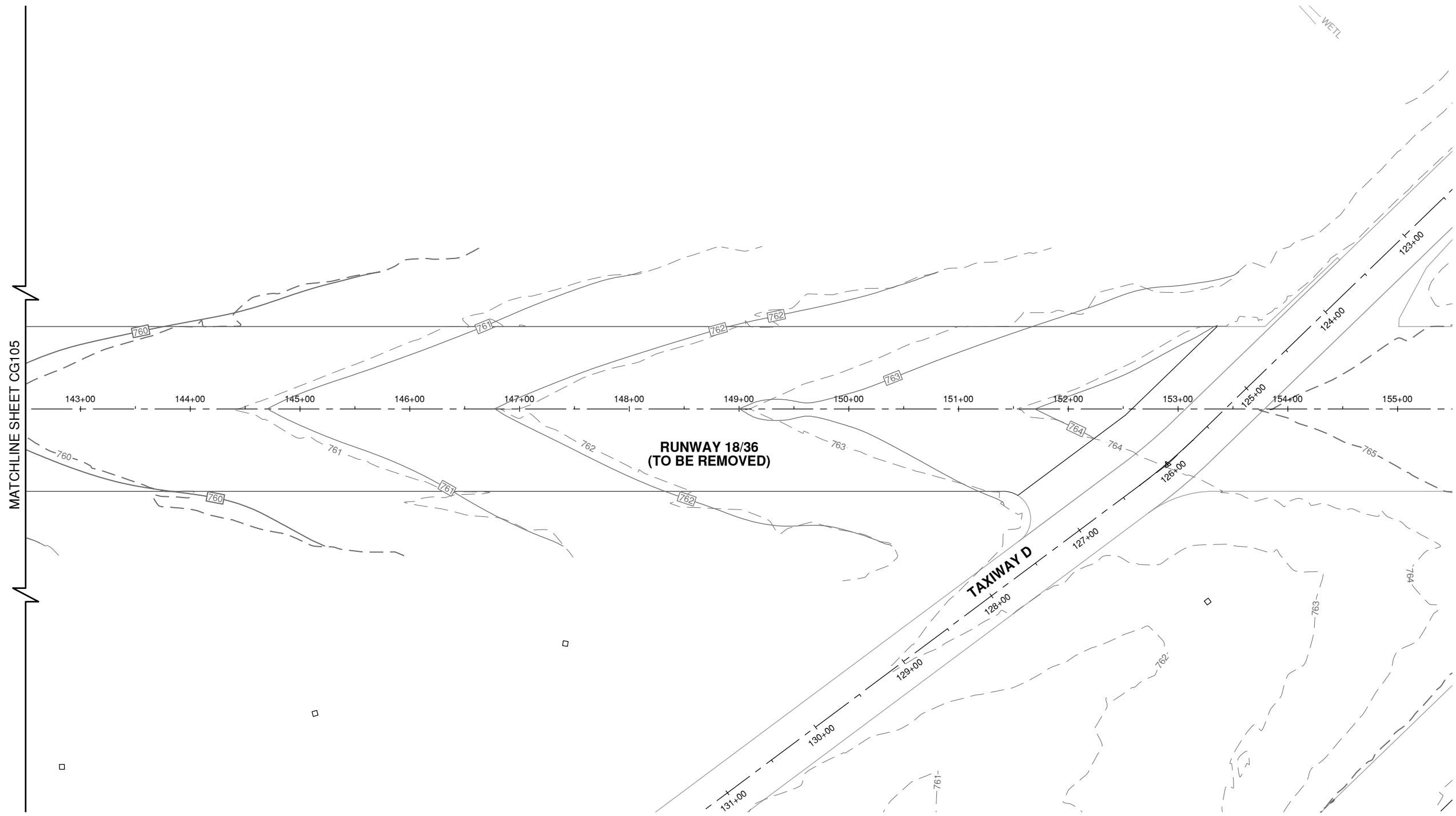
RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER

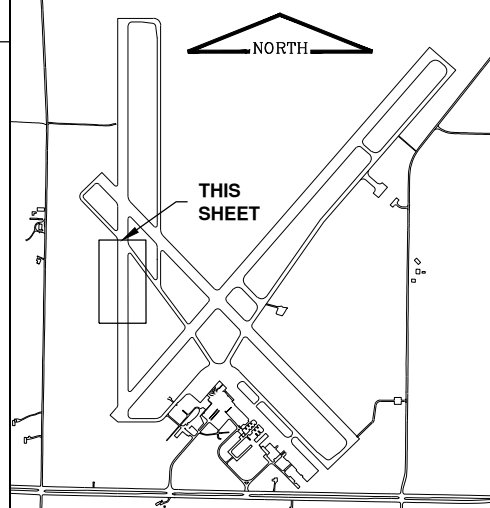
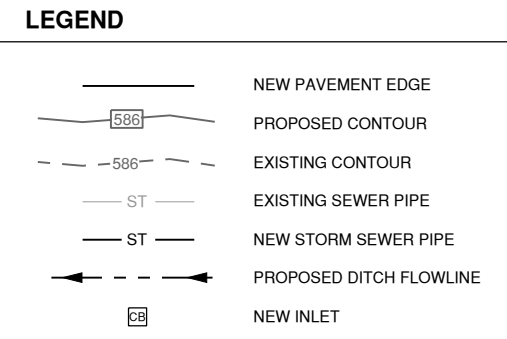


CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MATCHLINE SHEET CG105



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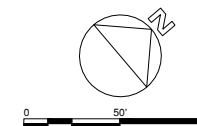


MARK	DATE	DESCRIPTION

SHEET TITLE

**GRADING &
DRAINAGE 6**

CG106
SHEET 47 OF 93



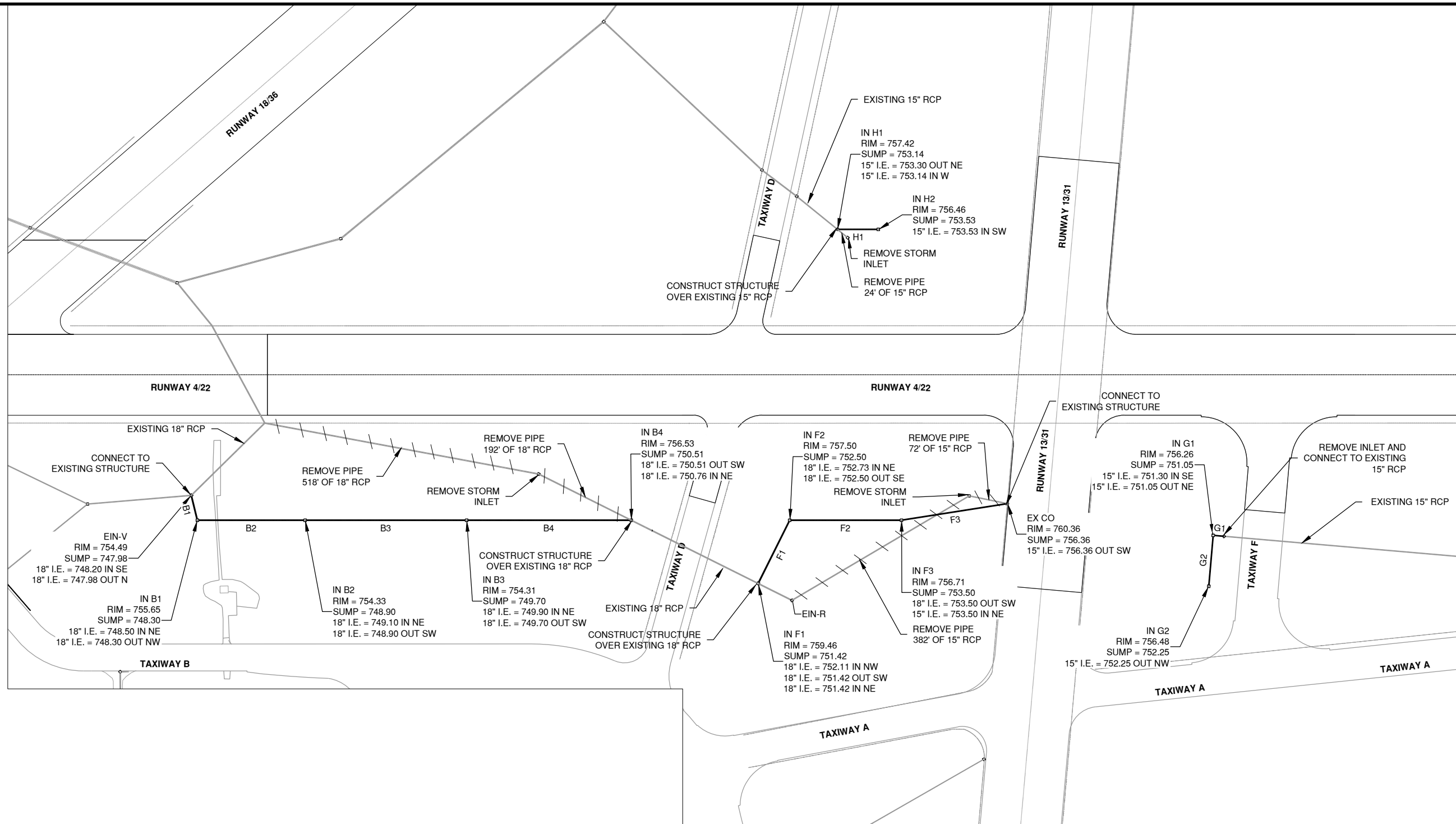
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PHASE 1 (CONSTRUCTION)

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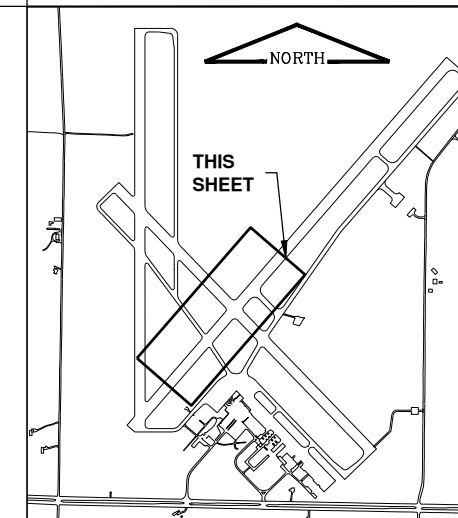
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QUINCY REGIONAL AIRPORT
QUINCY, IL



LEGEND

- EXISTING PAVEMENT EDGE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER & LINE DESIGNATION
- STORM SEWER TO BE REMOVED

KEYMAP



MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX	Q1063
IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 CU101.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
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SHEET TITLE
STORM SEWER PLAN
1

CU101
SHEET 48 OF 93



License No. 184-000613

CONSULTANTS

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PHASE 1 (CONSTRUCTION)

OWNER



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QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX **Q1063**

IL PROJ. NO: UIN-4834

CMT PROJECT NO: 18002001

CAD DWG FILE: 180020-01 PH1 CU101.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: RLW

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SHEET TITLE

**STORM SEWER
STRUCTURE
SCHEDULES**

CU102
SHEET 49 OF 93

**STRUCTURE TABLE
PH 1 STORM SEWER B**

STRUCTURE NAME AND TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL
EIN-V EXISTING INLET	RIM = 754.49 SUMP = 747.98 B1 INV IN = 748.20 EX 18" OUT INV OUT = 747.98	RWY 422 STA 128+88.61 OFFSET 223.88 R
IN B1 INLET - SPECIAL	RIM = 755.65 SUMP = 748.30 B2 INV IN = 748.50 B1 INV OUT = 748.30	RWY 422 STA 129+00.00 OFFSET 270.00 R
IN B2 INLET - SPECIAL	RIM = 754.33 SUMP = 749.90 B3 INV IN = 749.10 B2 INV OUT = 749.90	RWY 422 STA 131+00.00 OFFSET 270.00 R
IN B3 INLET - SPECIAL	RIM = 754.31 SUMP = 749.70 B4 INV IN = 749.90 B3 INV OUT = 749.70	RWY 422 STA 134+00.00 OFFSET 270.00 R
IN B4 INLET - SPECIAL	RIM = 756.53 SUMP = 750.51 EX 18" IN INV IN = 750.76 B4 INV OUT = 750.51	RWY 422 STA 137+05.72 OFFSET 270.00 R

**PIPE SCHEDULE
PH 1 STORM SEWER B**

PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	INVERT	INVERT	LENGTH (FT)	SLOPE	TYPE
B1	IN B1	EIN-V	748.30	748.20	36	0.20%	CONCRETE PIPE - 18"
B2	IN B2	IN B1	748.90	748.50	188	0.20%	CONCRETE PIPE - 18"
B3	IN B3	IN B2	749.70	749.10	288	0.20%	CONCRETE PIPE - 18"
B4	IN B4	IN B3	750.51	749.90	294	0.20%	CONCRETE PIPE - 18"
EX 18" IN		IN B4	750.83	750.76	17	0.25%	CONCRETE PIPE - 18"
EX 18" OUT	EIN-V		747.98	747.52	79	0.50%	CONCRETE PIPE - 18"

**STRUCTURE TABLE
PH 1 STORM SEWER F**

STRUCTURE NAME AND TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL
EX CO EXISTING STRUCTURE	RIM = 760.36 SUMP = 756.36 F3 INV OUT = 756.36	RWY 422 STA 144+04.13 OFFSET 239.14 R
IN F1 INLET - SPECIAL	RIM = 759.46 SUMP = 751.42 F1 INV IN = 752.11 EX 18" IN INV IN = 751.42 EX 18" OUT INV OUT = 751.42	RWY 422 STA 139+41.39 OFFSET 387.52 R
IN F2 INLET - SPECIAL	RIM = 757.50 SUMP = 752.50 F2 INV IN = 752.73 F1 INV OUT = 752.50	RWY 422 STA 140+00.00 OFFSET 270.00 R
IN F3 INLET - SPECIAL	RIM = 756.71 SUMP = 753.50 F3 INV IN = 753.50 F2 INV OUT = 753.50	RWY 422 STA 142+07.51 OFFSET 270.00 R

**PIPE SCHEDULE
PH 1 STORM SEWER F**

PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	INVERT	INVERT	LENGTH (FT)	SLOPE	TYPE
EX 18" IN		IN F1	751.59	751.42	58	0.25%	CONCRETE PIPE - 18"
EX 18" OUT	IN F1		751.42	750.87	209	0.25%	CONCRETE PIPE - 18"
F1	IN F2	IN F1	752.50	752.11	119	0.30%	CONCRETE PIPE - 18"
F2	IN F3	IN F2	753.50	752.73	196	0.37%	CONCRETE PIPE - 18"
F3	EX CO	IN F3	756.36	753.50	187	1.44%	CONCRETE PIPE - 15"

**STRUCTURE TABLE
PH 1 STORM SEWER G**

STRUCTURE NAME AND TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL
CONNECT TO EXISTING PIPE	RIM = 757.18 SUMP = 750.88 G1 INV IN = 750.88	RWY 422 STA 148+06.49 OFFSET 299.82 R
IN G1 INLET - SPECIAL	RIM = 756.26 SUMP = 751.05 G2 INV IN = 751.30 G1 INV OUT = 751.05	RWY 422 STA 147+86.48 OFFSET 298.10 R
IN G2 INLET - SPECIAL	RIM = 756.48 SUMP = 752.25 G2 INV OUT = 752.25	RWY 422 STA 147+78.34 OFFSET 392.67 R

**PIPE SCHEDULE
PH 1 STORM SEWER G**

PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	INVERT	INVERT	LENGTH (FT)	SLOPE	TYPE
EX G1			750.88	746.54	505	0.84%	CONCRETE PIPE - 15"
G1	IN G1	CONNECT TO EXISTING PIPE	751.05	750.88	8	0.84%	CONCRETE PIPE - 15"
G2	IN G2	IN G1	752.25	751.30	83	1.00%	CONCRETE PIPE - 15"

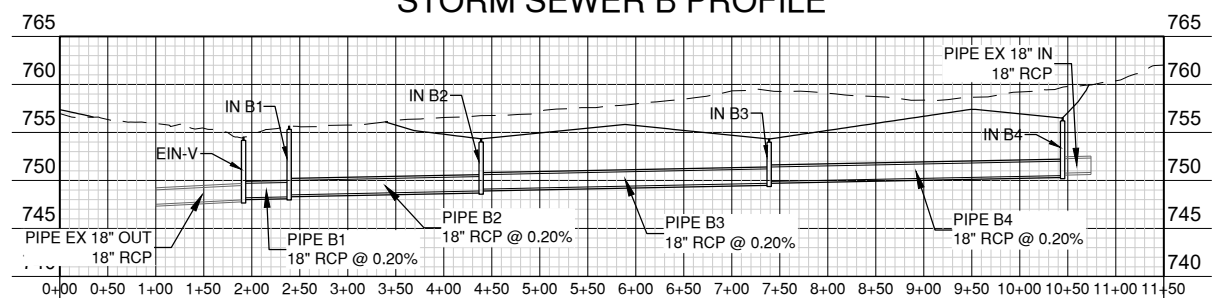
**STRUCTURE TABLE
PH 1 STORM SEWER H**

STRUCTURE NAME AND TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL
IN H1 INLET - SPECIAL	RIM = 757.42 SUMP = 753.14 EX 18" OUT INV IN = 753.14 H1 INV OUT = 753.30	RWY 422 STA 140+88.77 OFFSET -270.00 L
IN H2 INLET - SPECIAL	RIM = 756.46 SUMP = 753.53 H1 INV IN = 753.53	RWY 422 STA 141+64.50 OFFSET -270.00 L

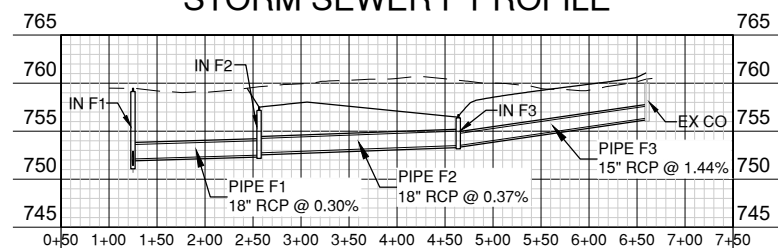
**PIPE SCHEDULE
PH 1 STORM SEWER H**

PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	INVERT	INVERT	LENGTH (FT)	SLOPE	TYPE
EX 18" OUT	IN H1		753.14	752.84	86	-0.30%	CONCRETE PIPE - 15"
H1	IN H2	IN H1	753.53	753.30	64	-0.30%	CONCRETE PIPE - 15"

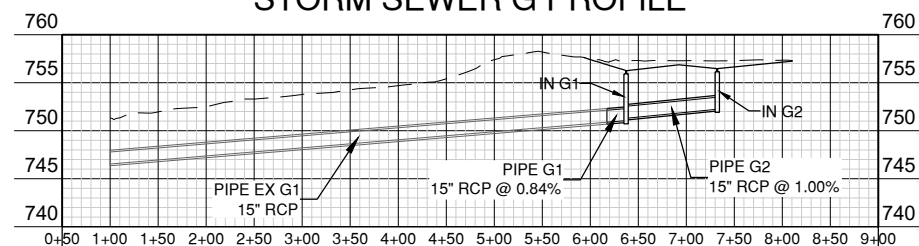
STORM SEWER B PROFILE



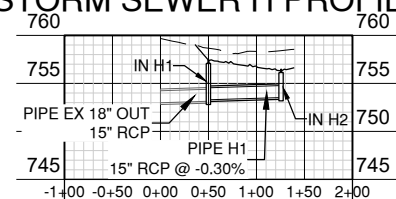
STORM SEWER F PROFILE



STORM SEWER G PROFILE



STORM SEWER H PROFILE



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RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

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QUINCY, IL

MARK	DATE	DESCRIPTION

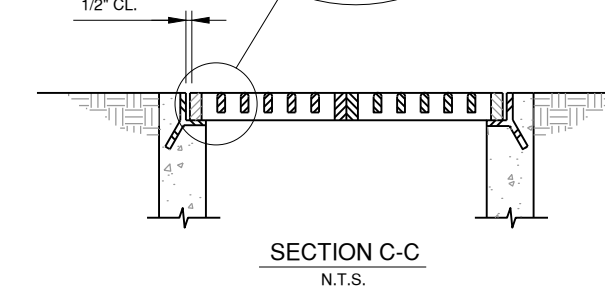
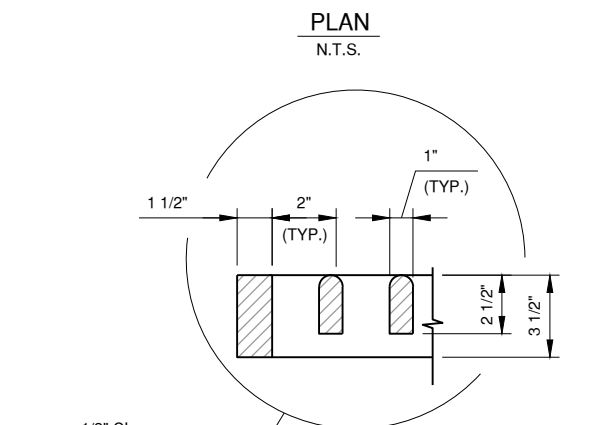
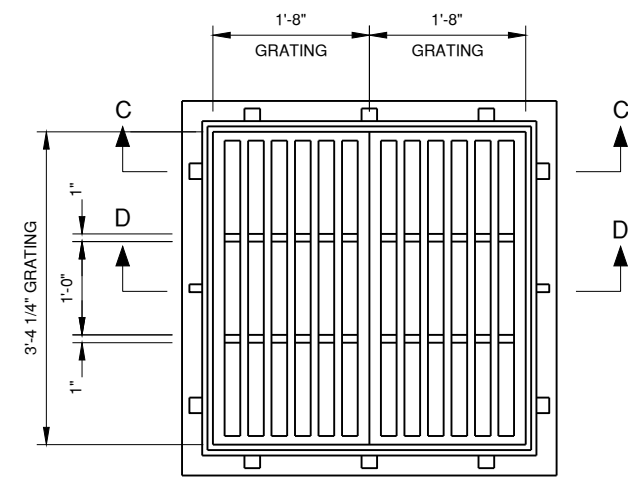
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DRAWN BY: DPA	
CHECKED BY: MJD	
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STORM SEWER PROFILES

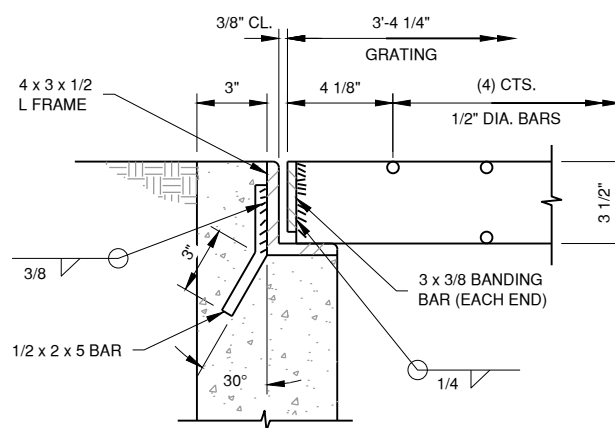
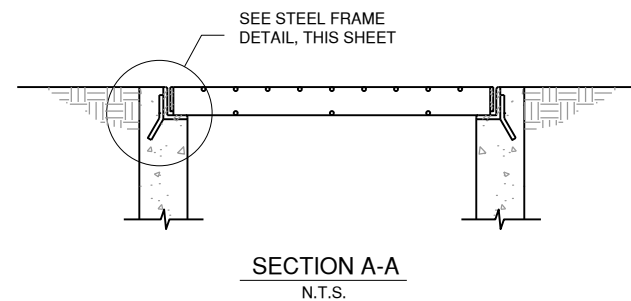
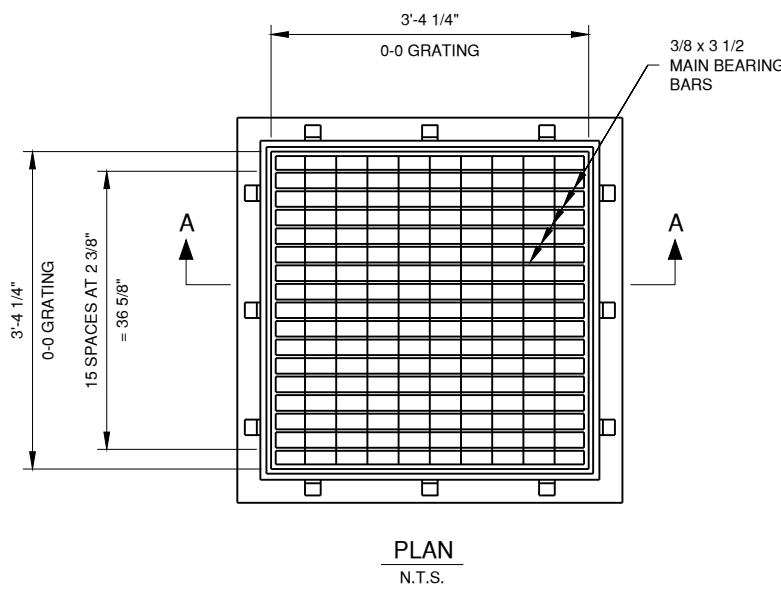
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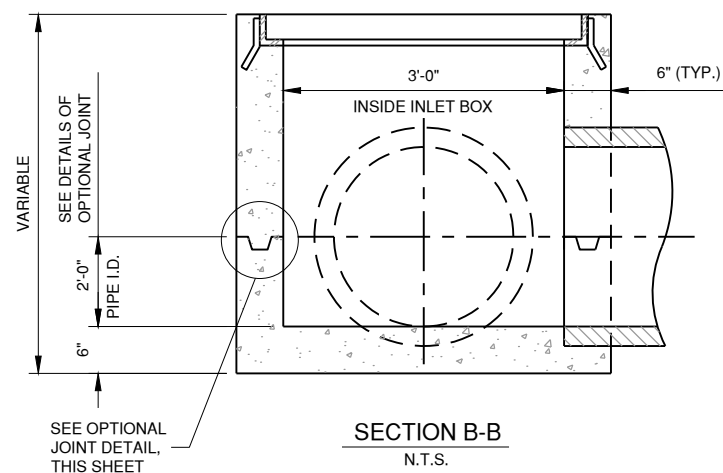
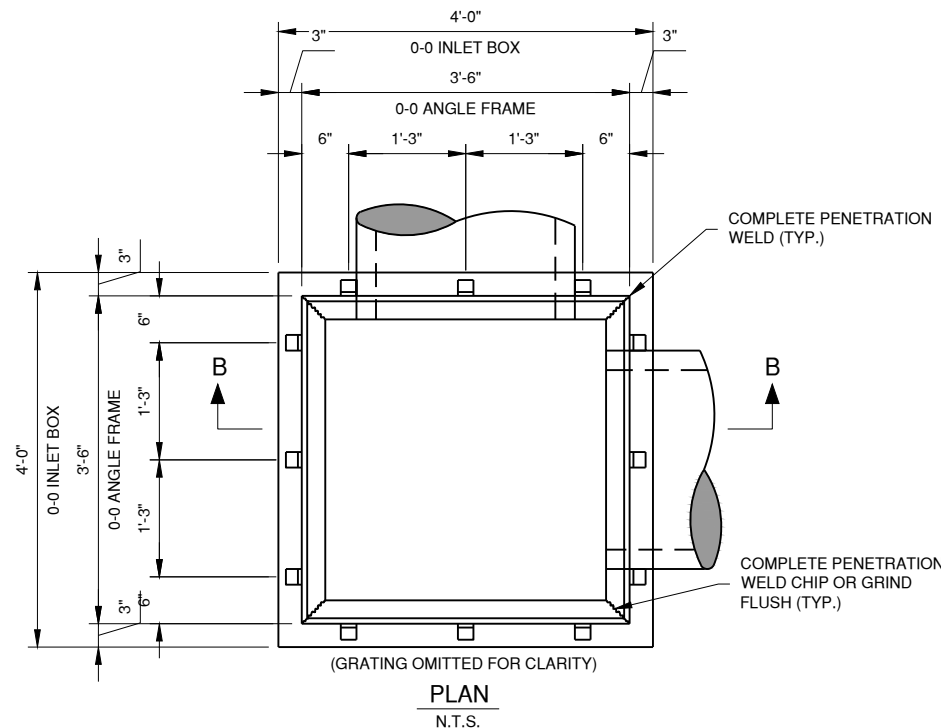
SHEET TITLE
**STORM SEWER
DETAILS 1**



4 CAST GRATE DETAILS
N.T.S.

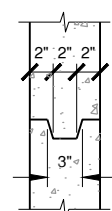


3 STEEL FRAME DETAIL
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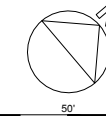


36" INLET NOTE
INLET IS AN IDOT STD. 542546, FLUSH INLET
BOX FOR MEDIAN. FRAME & GRATES ARE
NEENAH R-3807 OR APPROVED EQUAL.

1 INLET - SPECIAL DETAIL
N.T.S.



2 OPTIMAL JOINT DETAIL
N.T.S.

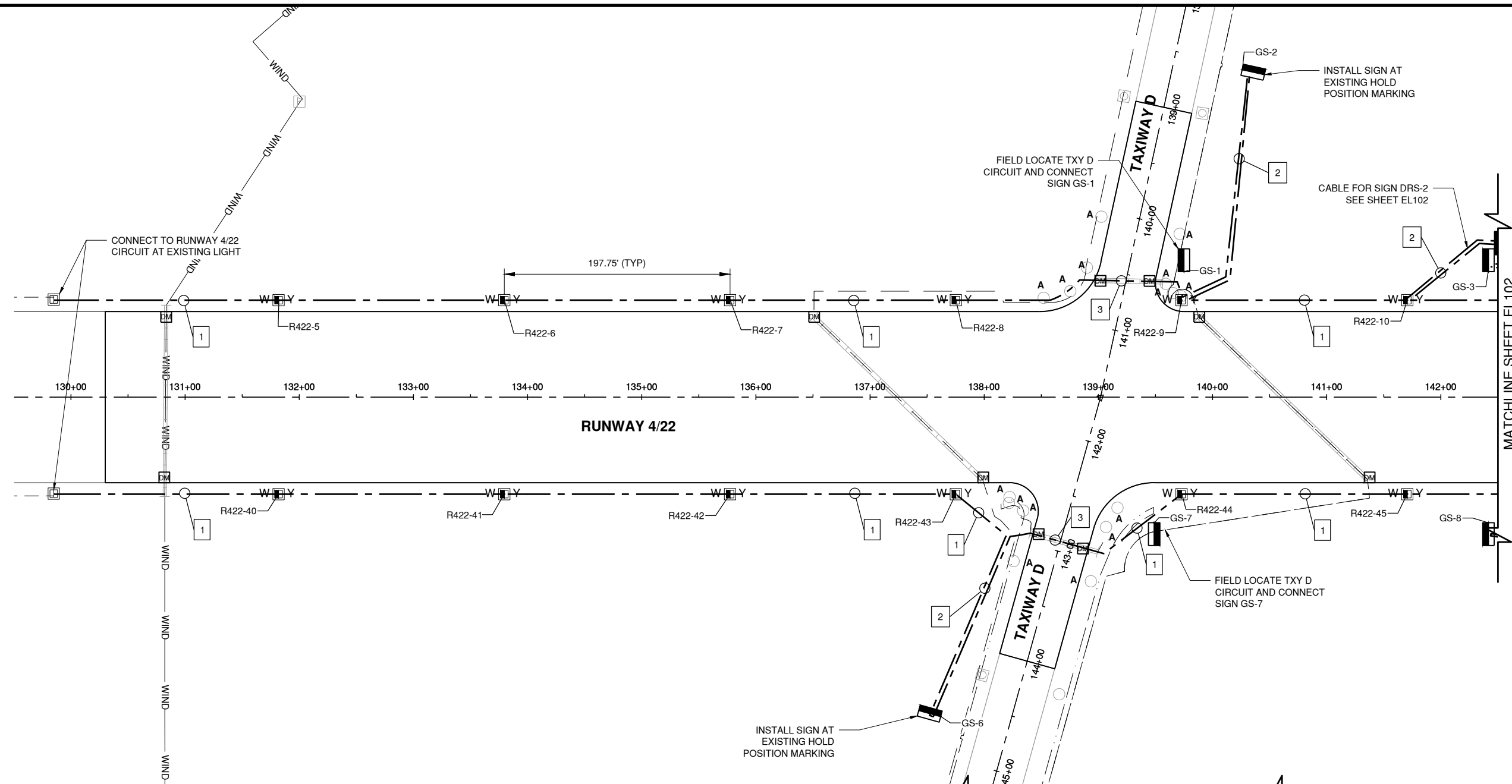


THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

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 RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER


 CITY OF QUINCY
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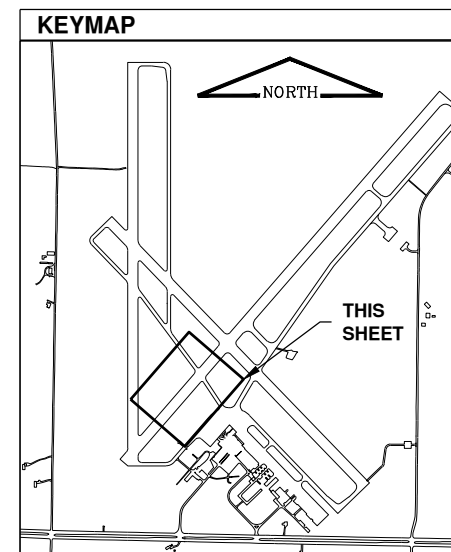
LEGEND	
EXISTING	NEW
	SPLICE CAN
	TAXIWAY GUIDANCE SIGN
	TAXIWAY EDGE LIGHT - STAKE MOUNTED
	TAXIWAY EDGE LIGHT - BASE MOUNTED
	RELOCATED RUNWAY BASE MOUNTED EDGE LIGHT W/LENS COLOR
	HANDHOLE
	DUCT BANK
	RELOCATED IN-PAVEMENT LIGHT
	2" DIRECTIONAL BORE
	ADJUST FIXTURE
	MODIFY EXISTING SIGN PANEL
	RUNWAY THRESHOLD LIGHT
	ELEVATED RETROREFLECTIVE MARKER
	DUCT MARKER
	RUNWAY END INDICATOR LIGHT (REIL)
	5/8" X 10" COPPER CLAD GROUND ROD

CIRCUIT LEGEND		RWY 4/22
EXISTING	NEW	
		RWY 13/31
		TXY D
		TXY A

CABLE NOTES	
	1/C #8 5KV UG CABLE IN UD
	2/C #8 5KV UG CABLE IN UD
	1/C #8 5KV UG CABLE IN EXISTING DUCT
	2/C #8 5KV UG CABLE IN EXISTING DUCT

GENERAL NOTES

- EDGE LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE.
- THE CONTRACTOR SHALL VERIFY LAYOUT OF LIGHTS WITH THE R.E. PRIOR TO INSTALLING.
- LIGHTS SHALL BE INSTALLED IN A STRAIGHT LINE FROM THE P.T. OR P.C. OR TAPER POINT.
- RELOCATED LIGHTS SHALL INCLUDE REMOVAL OF FIXTURES FROM EXISTING BASES AND REINSTALLATION OF EXISTING FIXTURES ON NEW BASES.
- NEW BASES SHALL BE INSTALLED AT THE LOCATIONS OF EXISTING BASES AT THE ELEVATION COMPATIBLE WITH THE NEW RUNWAY PROFILE.



MARK	DATE	DESCRIPTION

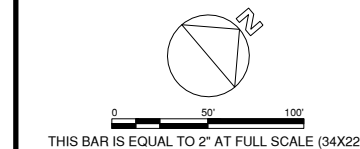
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IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 EL101.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
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SHEET TITLE

LIGHTING AND SIGNAGE PLAN 1

EL101

SHEET 52 OF 93



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RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

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QUINCY, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX Q1063

IL PROJ. NO: UIN-4834

CMT PROJECT NO: 18002001

CAD DWG FILE: 180020-01 PH1 EL101.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

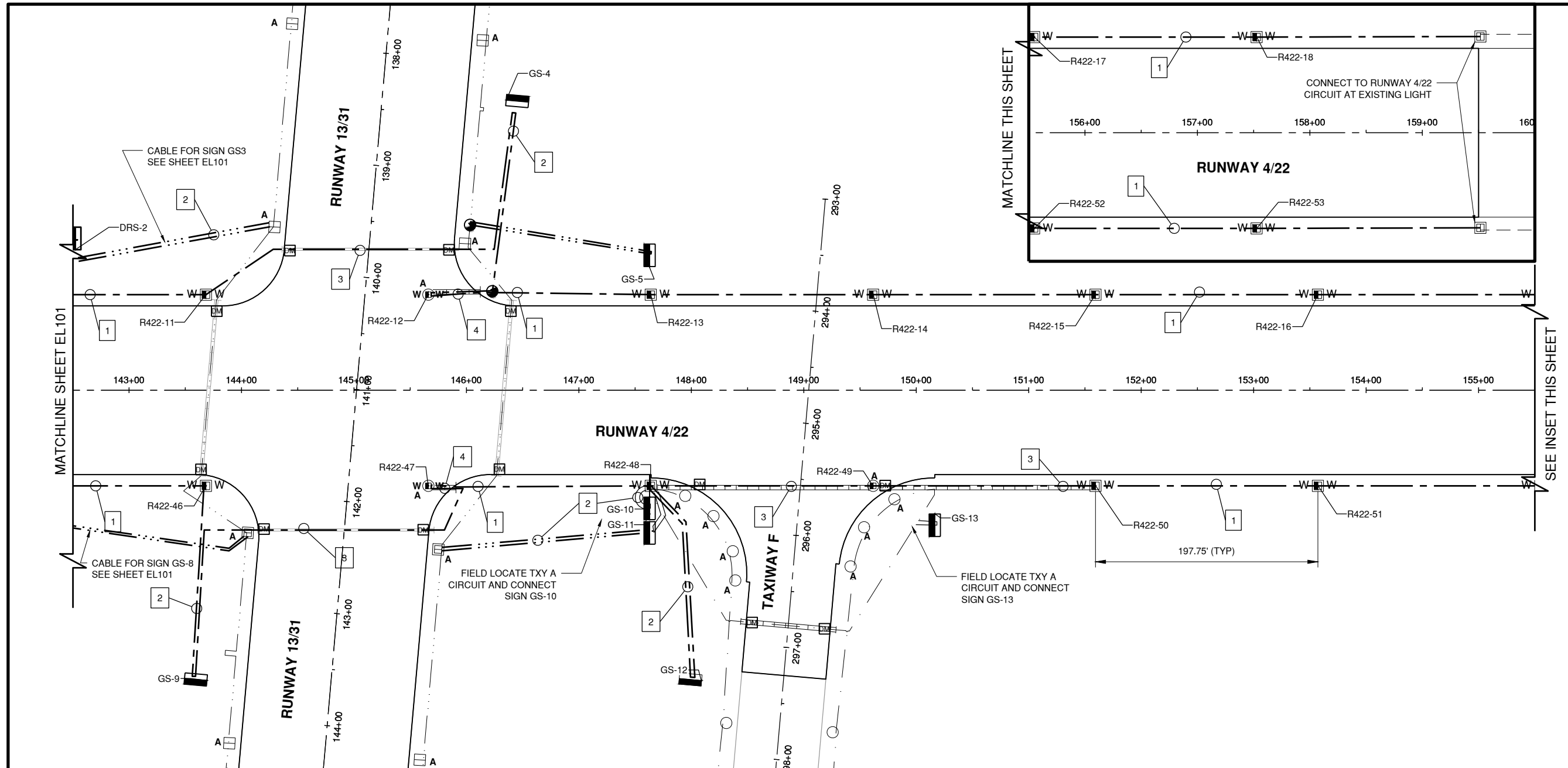
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SHEET TITLE

LIGHTING AND SIGNAGE PLAN 2



MATCHLINE THIS SHEET

MATCHLINE SHEET EL101

SEE INSET THIS SHEET

LEGEND

EXISTING	NEW	
(Symbol: circle with dot)	(Symbol: circle with dot)	SPLICE CAN
(Symbol: rectangle with dot)	(Symbol: rectangle with dot)	TAXIWAY GUIDANCE SIGN
(Symbol: circle)	(Symbol: circle)	TAXIWAY EDGE LIGHT - STAKE MOUNTED
(Symbol: square with dot)	(Symbol: square with dot)	TAXIWAY EDGE LIGHT - BASE MOUNTED
(Symbol: square with 'W')	(Symbol: square with 'W')	RELOCATED RUNWAY BASE MOUNTED EDGE LIGHT W/LENS COLOR
(Symbol: square with 'H')	(Symbol: square with 'H')	HANDHOLE
(Symbol: rectangle with 'A')	(Symbol: rectangle with 'A')	DUCT BANK
(Symbol: circle with 'A')	(Symbol: circle with 'A')	RELOCATED IN-PAVEMENT LIGHT
(Symbol: diagonal lines)	(Symbol: diagonal lines)	2" DIRECTIONAL BORE
(Symbol: circle with 'A')	(Symbol: circle with 'A')	ADJUST FIXTURE
(Symbol: circle with 'M')	(Symbol: circle with 'M')	MODIFY EXISTING SIGN PANEL
(Symbol: circle with 'R')	(Symbol: circle with 'R')	RUNWAY THRESHOLD LIGHT
(Symbol: circle with 'E')	(Symbol: circle with 'E')	ELEVATED RETROREFLECTIVE MARKER
(Symbol: square with 'M')	(Symbol: square with 'M')	DUCT MARKER
(Symbol: triangle)	(Symbol: triangle)	RUNWAY END INDICATOR LIGHT (REIL)
(Symbol: diamond)	(Symbol: diamond)	5/8" X 10" COPPER CLAD GROUND ROD

CIRCUIT LEGEND

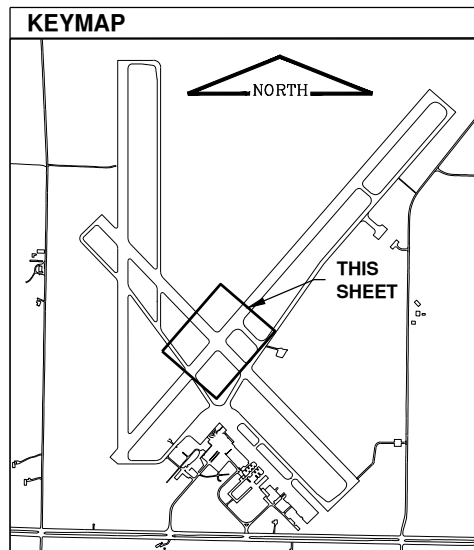
---	---	EXISTING	NEW	
(Symbol: solid line)	(Symbol: dashed line)			RWY 4/22
(Symbol: dashed line)	(Symbol: solid line)			RWY 13/31
(Symbol: dashed line)	(Symbol: dashed line)			TXY D
(Symbol: dashed line)	(Symbol: dashed line)			TXY A

CABLE NOTES

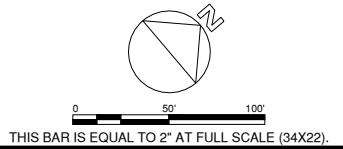
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- 2 - 2/C #8 5KV UG CABLE IN UD
- 3 - 1/C #8 5KV UG CABLE IN EXISTING DUCT
- 4 - 2/C #8 5KV UG CABLE IN EXISTING DUCT

GENERAL NOTES

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RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

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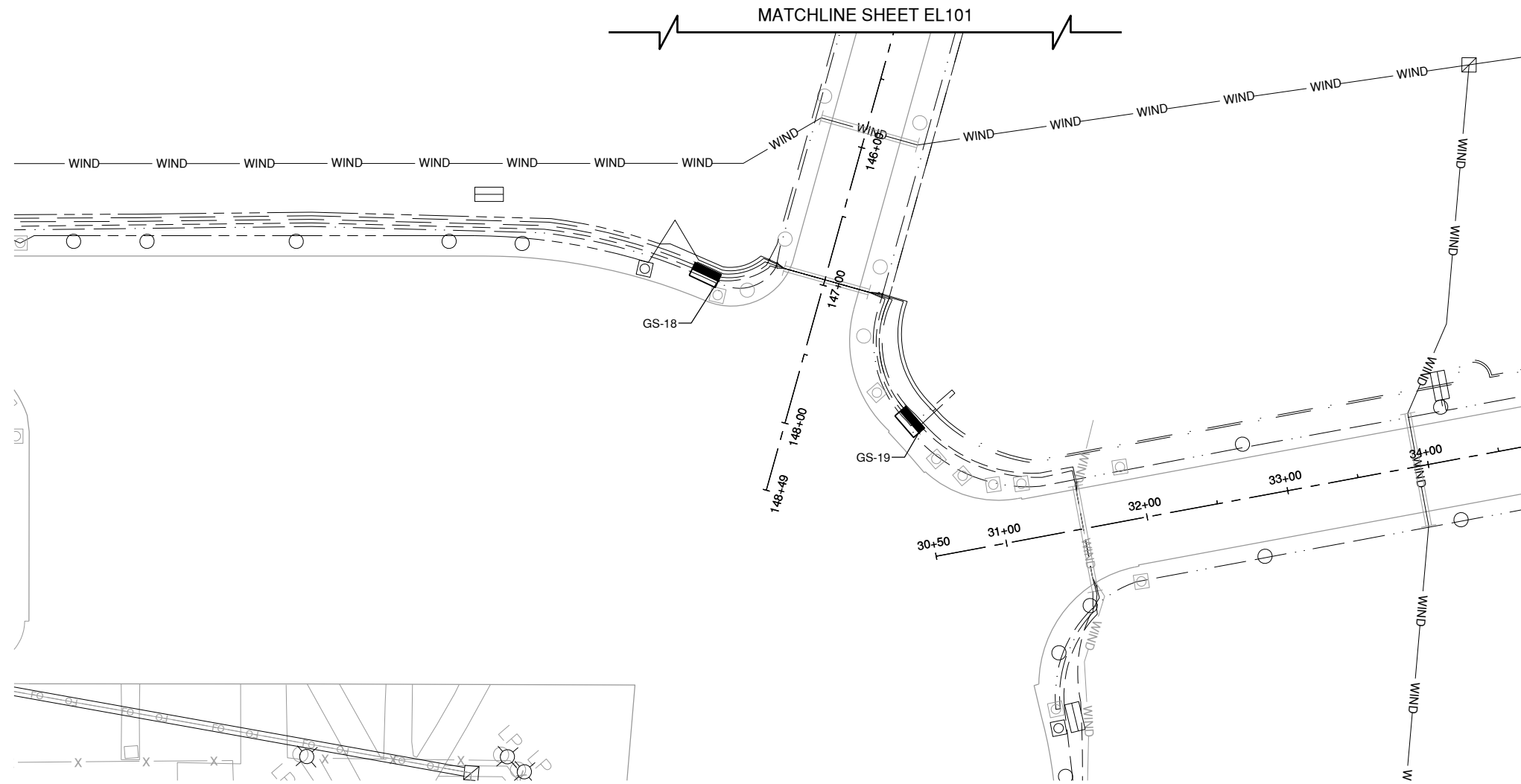
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION
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		IL PROJ. NO: UIN-4834
		CMT PROJECT NO: 18002001
		CAD DWG FILE: 180020-01 PH1 EL101.DWG
		DESIGNED BY: HWI
		DRAWN BY: DPA
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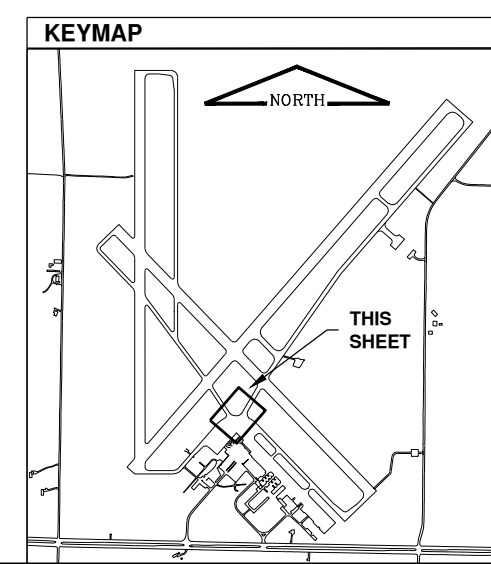
SHEET TITLE
**LIGHTING AND
SIGNAGE PLAN 3**

EL103
SHEET **54** OF **93**

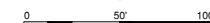
MATCHLINE SHEET EL101



LEGEND		CIRCUIT LEGEND		GENERAL NOTES
EXISTING	NEW	EXISTING	NEW	
<ul style="list-style-type: none"> LIGHT TAXIWAY GUIDANCE SIGN TAXIWAY EDGE LIGHT - STAKE MOUNTED TAXIWAY EDGE LIGHT - BASE MOUNTED RELOCATED RUNWAY BASE MOUNTED EDGE LIGHT W/LENS COLOR HANDHOLE DUCT BANK RELOCATED IN-PAVEMENT LIGHT 2" DIRECTIONAL BORE ADJUST FIXTURE MODIFY EXISTING SIGN PANEL RUNWAY THRESHOLD LIGHT ELEVATED RETROREFLECTIVE MARKER DUCT MARKER RUNWAY END INDICATOR LIGHT (REIL) 5/8" X 10' COPPER CLAD GROUND ROD 	<ul style="list-style-type: none"> SPLICE CAN TAXIWAY GUIDANCE SIGN TAXIWAY EDGE LIGHT - STAKE MOUNTED TAXIWAY EDGE LIGHT - BASE MOUNTED RELOCATED RUNWAY BASE MOUNTED EDGE LIGHT W/LENS COLOR HANDHOLE DUCT BANK RELOCATED IN-PAVEMENT LIGHT 2" DIRECTIONAL BORE ADJUST FIXTURE MODIFY EXISTING SIGN PANEL RUNWAY THRESHOLD LIGHT ELEVATED RETROREFLECTIVE MARKER DUCT MARKER RUNWAY END INDICATOR LIGHT (REIL) 5/8" X 10' COPPER CLAD GROUND ROD 	<ul style="list-style-type: none"> RWY 4/22 RWY 13/31 TXY D TXY A 	<p>1. EDGE LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE.</p> <p>2. THE CONTRACTOR SHALL VERIFY LAYOUT OF LIGHTS WITH THE R.E. PRIOR TO INSTALLING.</p> <p>3. LIGHTS SHALL BE INSTALLED IN A STRAIGHT LINE FROM THE P.T. OR P.C. OR TAPER POINT.</p> <p>4. RELOCATED LIGHTS SHALL INCLUDE REMOVAL OF FIXTURES FROM EXISTING BASES AND REINSTALLATION OF EXISTING FIXTURES ON NEW BASES.</p> <p>5. NEW BASES SHALL BE INSTALLED AT THE LOCATIONS OF EXISTING BASES AT THE ELEVATION COMPATIBLE WITH THE NEW RUNWAY PROFILE.</p>	
CABLE NOTES				
<ul style="list-style-type: none"> 1 1/C #8 5KV UG CABLE IN UD 2 2/C #8 5KV UG CABLE IN UD 3 1/C #8 5KV UG CABLE IN EXISTING DUCT 4 2/C #8 5KV UG CABLE IN EXISTING DUCT 				



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

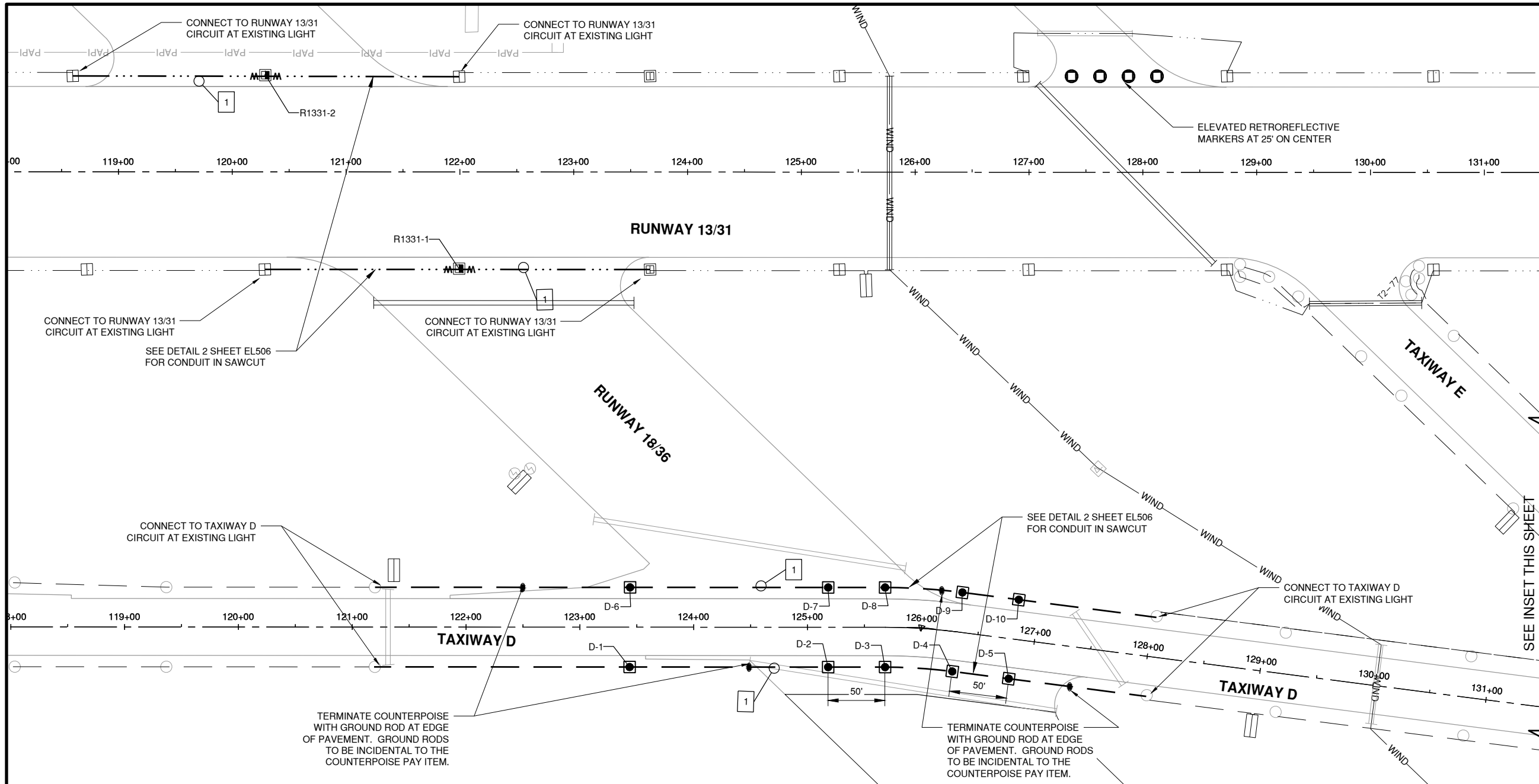
FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

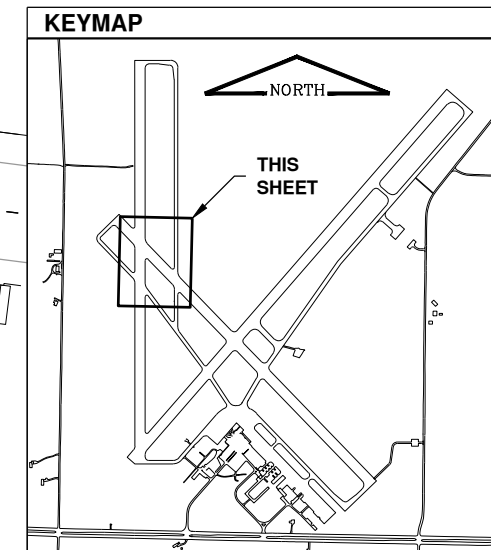


LEGEND	
EXISTING	NEW
	SPLICE CAN
	TAXIWAY GUIDANCE SIGN
	TAXIWAY EDGE LIGHT - STAKE MOUNTED
	TAXIWAY EDGE LIGHT - BASE MOUNTED
	RELOCATED RUNWAY BASE MOUNTED EDGE LIGHT W/LENS COLOR
	HANDHOLE
	DUCT BANK
	RELOCATED IN-PAVEMENT LIGHT
	2" DIRECTIONAL BORE
	ADJUST FIXTURE
	MODIFY EXISTING SIGN PANEL
	RUNWAY THRESHOLD LIGHT
	ELEVATED RETROREFLECTIVE MARKER
	DUCT MARKER
	RUNWAY END INDICATOR LIGHT (REIL)
	5/8" X 10' COPPER CLAD GROUND ROD

CIRCUIT LEGEND	
EXISTING	NEW
	RWY 4/22
	RWY 13/31
	TXY D
	TXY A

CABLE NOTES	
	1/C #8 5KV UG CABLE IN UD
	2/C #8 5KV UG CABLE IN UD
	1/C #8 5KV UG CABLE IN EXISTING DUCT
	2/C #8 5KV UG CABLE IN EXISTING DUCT

- GENERAL NOTES**
- EDGE LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE.
 - THE CONTRACTOR SHALL VERIFY LAYOUT OF LIGHTS WITH THE R.E. PRIOR TO INSTALLING.
 - LIGHTS SHALL BE INSTALLED IN A STRAIGHT LINE FROM THE P.T. OR P.C. OR TAPER POINT.
 - RELOCATED LIGHTS SHALL INCLUDE REMOVAL OF FIXTURES FROM EXISTING BASES AND REINSTALLATION OF EXISTING FIXTURES ON NEW BASES.
 - NEW BASES SHALL BE INSTALLED AT THE LOCATIONS OF EXISTING BASES AT THE ELEVATION COMPATIBLE WITH THE NEW RUNWAY PROFILE.



MARK	DATE	DESCRIPTION

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IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 EL101.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
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SHEET TITLE
LIGHTING AND SIGNAGE PLAN 4

EL104
SHEET 55 OF 93

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FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

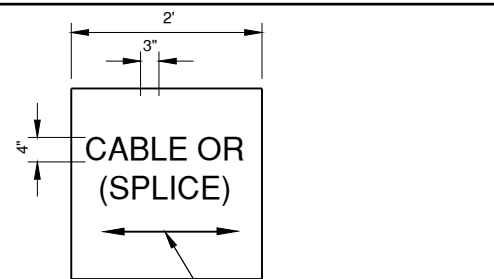
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SHEET TITLE

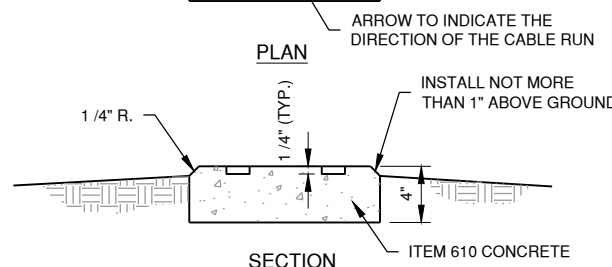
ELECTRICAL DETAILS

1

EL501
SHEET 57 OF 93



PLAN



SECTION

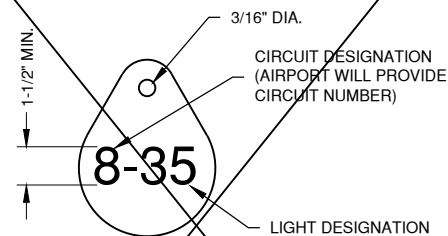
1 TURF CABLE / SPLICE MARKER

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.

N.I.C.

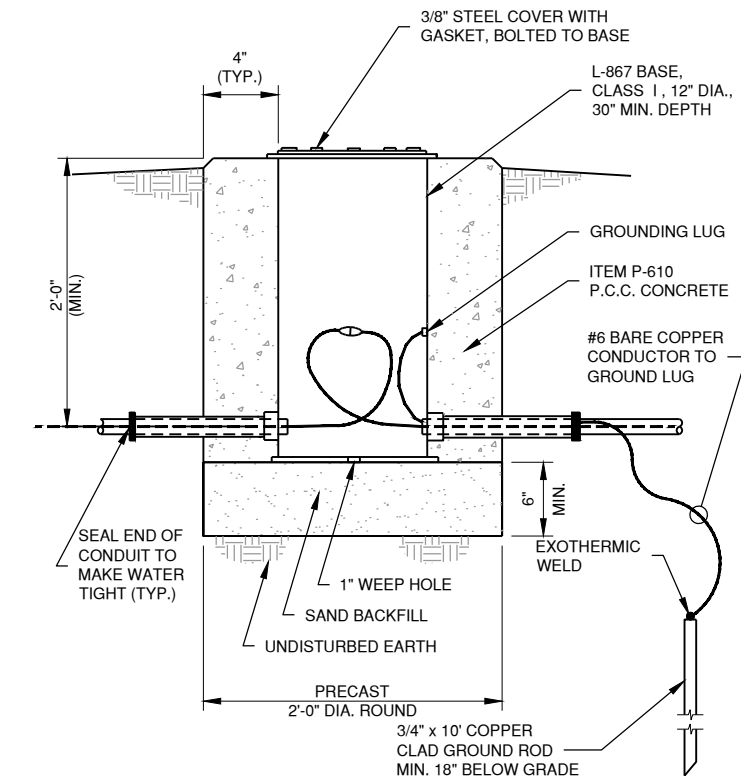


2 LIGHT IDENTIFICATION TAG

N.T.S.

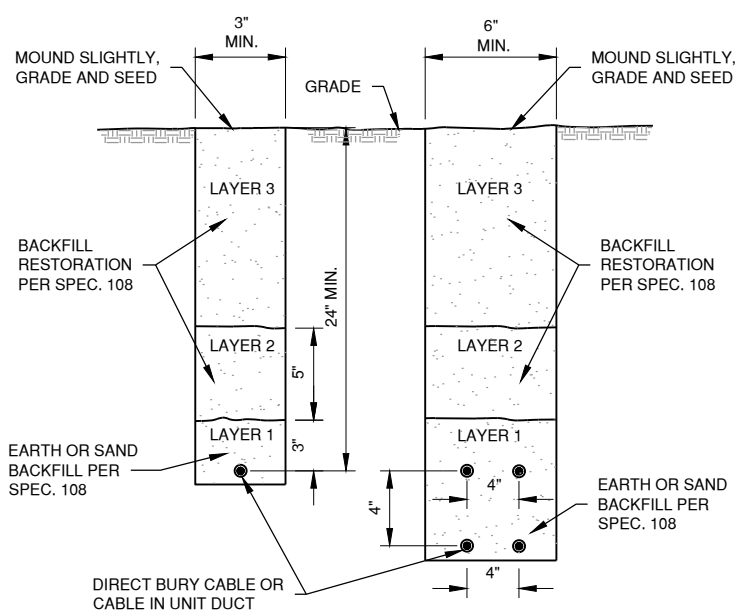
NOTES:

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

N.T.S.

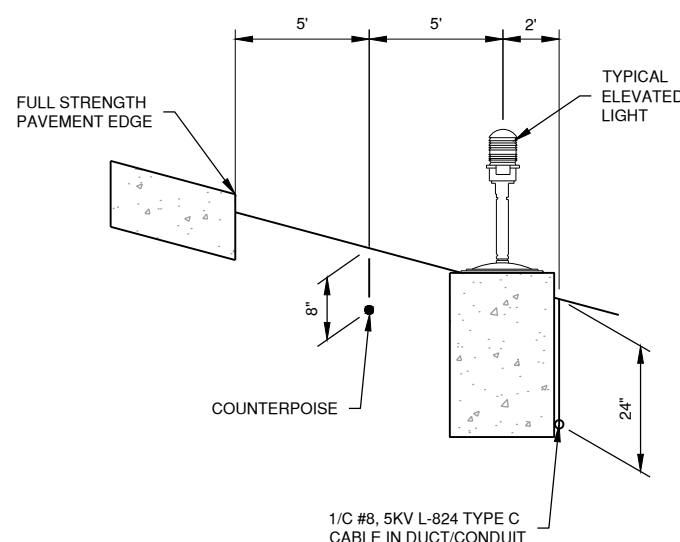


NOTES:

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

N.T.S.

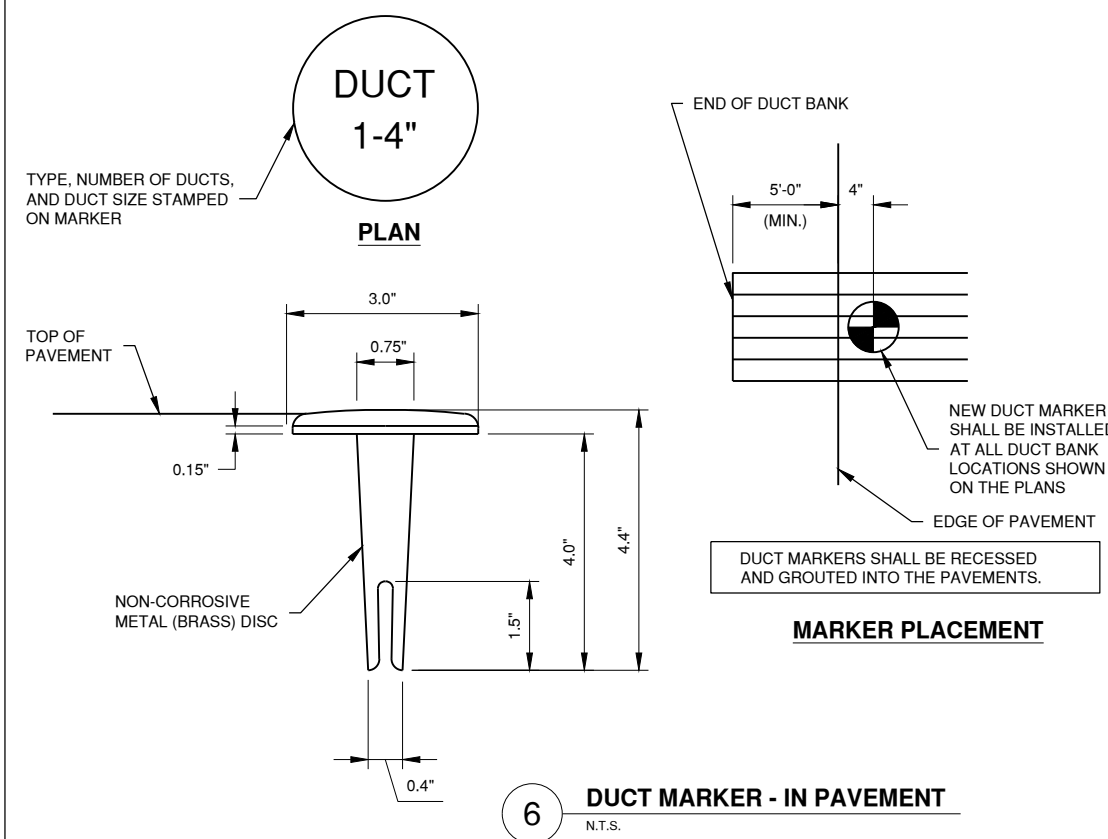


NOTES:

- #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

N.T.S.



6 DUCT MARKER - IN PAVEMENT

N.T.S.

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QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX

IL. PROJ. NO: UIN-4834

CMT PROJECT NO: 18002001

CAD DWG FILE: 180020-01 PH1 EL501.DWG

DESIGNED BY: HWI

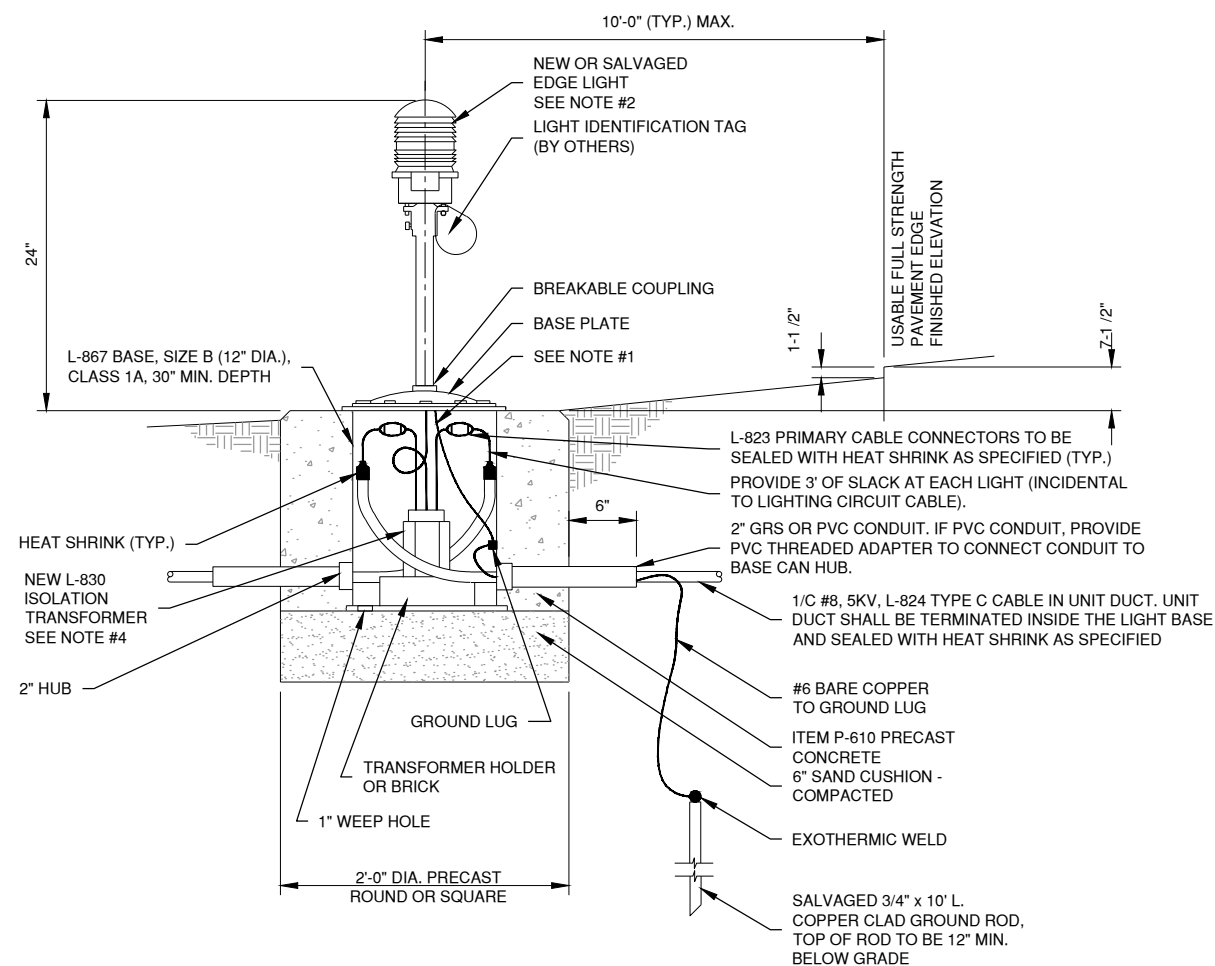
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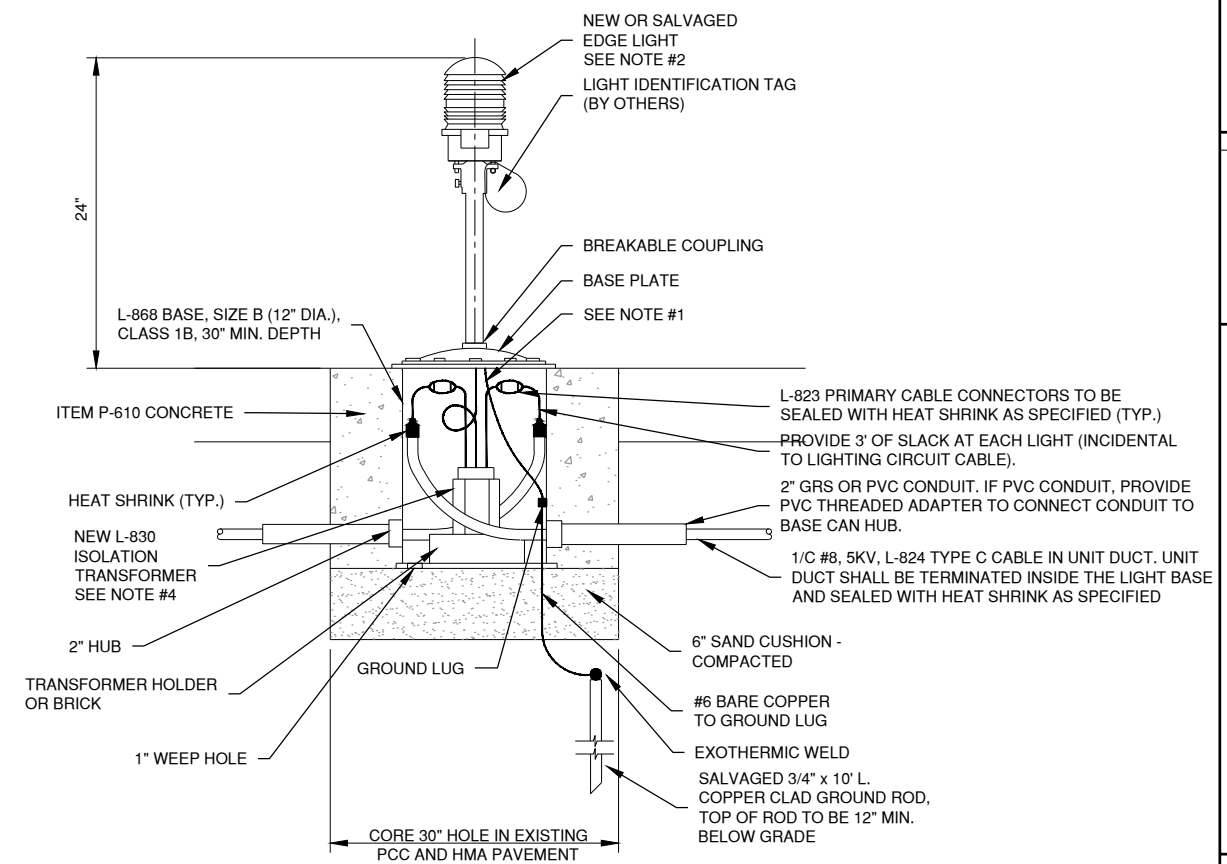
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SHEET TITLE

ELECTRICAL DETAILS
2

1 BASE MOUNTED ELEVATED LIGHT IN TURF

N.T.S.

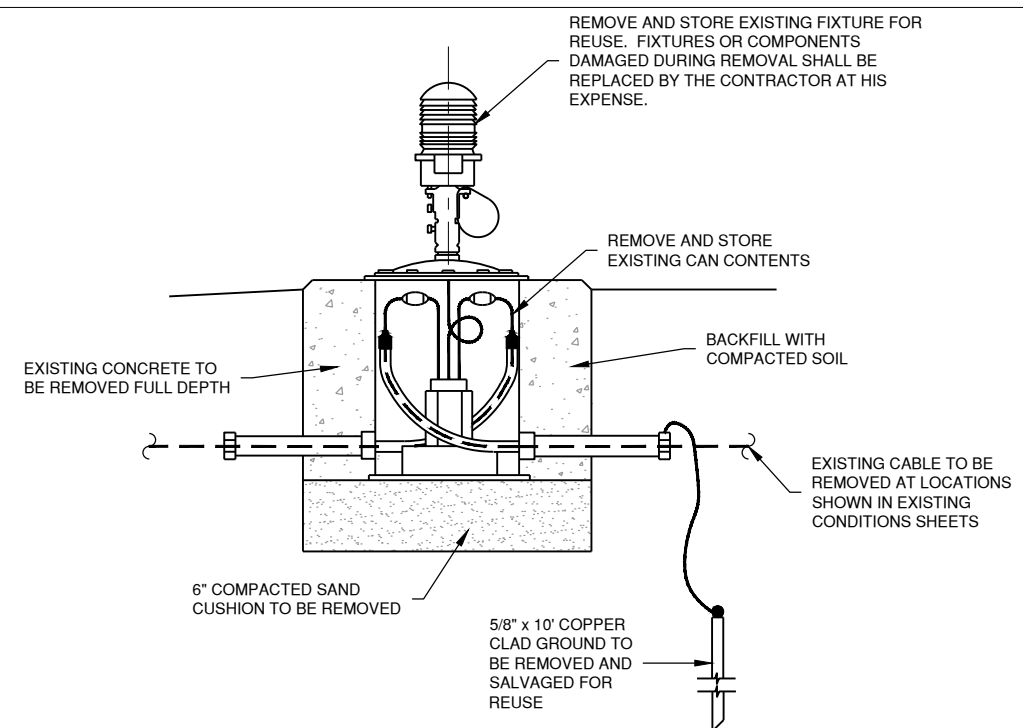


2 BASE MOUNTED ELEVATED LIGHT IN PAVEMENT

N.T.S.

EDGE LIGHT NOTES

- 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 XHHW 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.
- LIGHT FIXTURES SHALL BE NEW OR SALVAGED FROM EXISTING LIGHTS TO BE REMOVED. SEE LIGHT SCHEDULE. REINSTALLED RUNWAY LENSES SHALL BE ORIENTED AS SHOWN ON THE PLANS.
- NEW LIGHT FIXTURES SHALL BE L-861T, AS INDICATED ON THE PLANS AND SPECIFICATIONS. ALL NEW LIGHTS SHALL BE QUARTZ.
- NEW TRANSFORMERS FOR EDGE LIGHTS AND SIGNS SHALL BE COMPATIBLE WITH THE REGULATORS SERVING THE CIRCUIT.
- 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.
- 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.
- 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.
- 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.
- ENTRANCES IN L-867 BASES MUST BE PLUGGED FROM THE INSIDE WITH DUCT SEAL TO MAKE WATERTIGHT.
- LIGHT BASES SHALL BE PRECAST.
- RUNWAY EDGE LIGHTS WITHIN THE LAST 2000' OF EACH END OF THE RUNWAY SHALL HAVE YELLOW (AMBER) AND WHITE LENSES. YELLOW LENS FACES SHALL BE VISIBLE IN THE DIRECTION OF LANDING AIRCRAFT APPROACHING THE END OF THE RUNWAY.



3 REMOVE BASE MOUNTED LIGHT

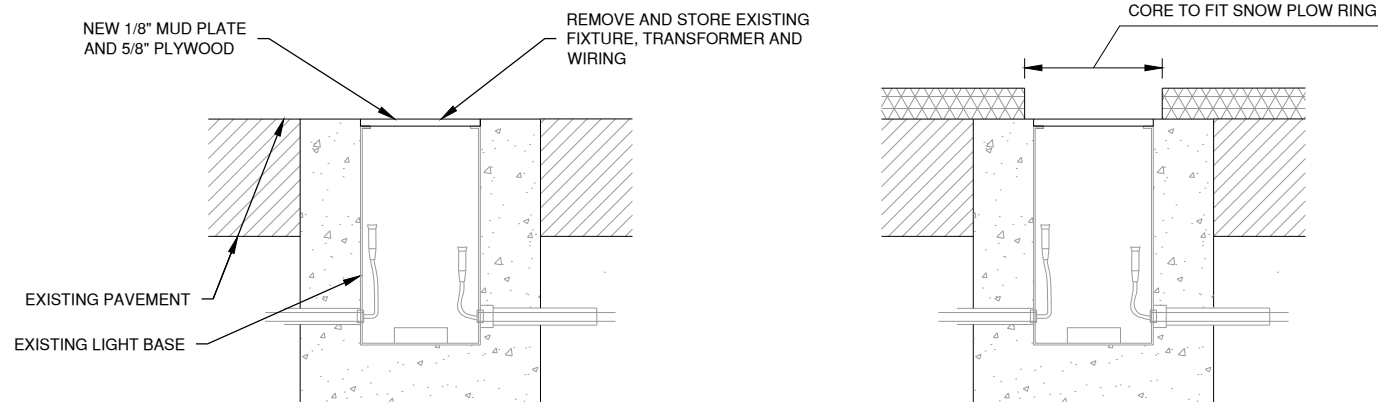
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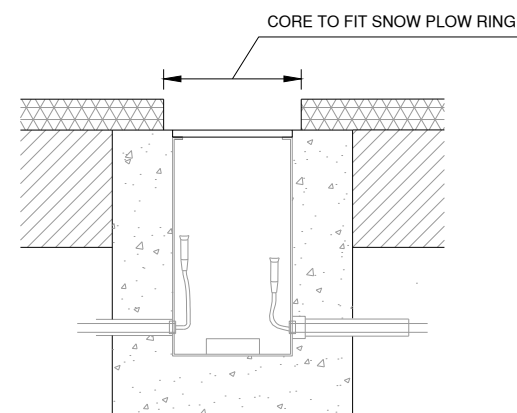
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IL PROJ. NO:	UIN-4834
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DESIGNED BY:	HWI
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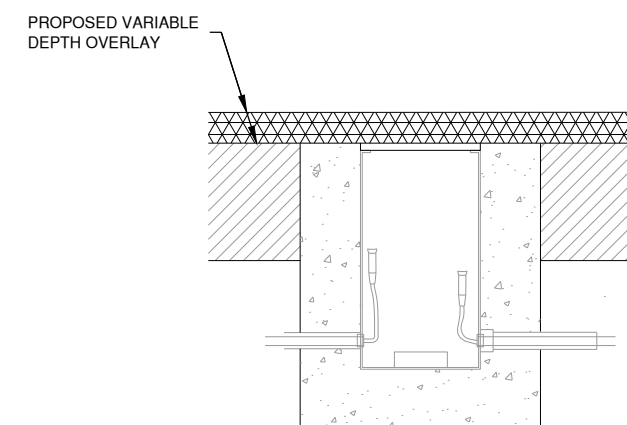
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ELECTRICAL DETAILS
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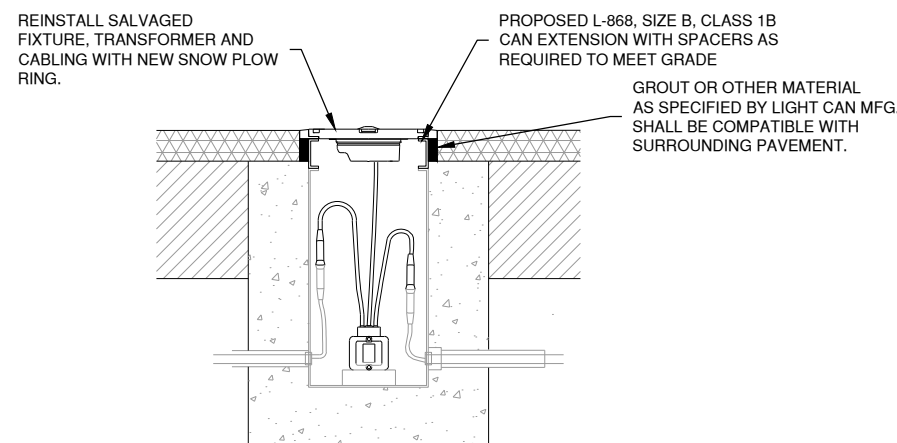
STEP 1



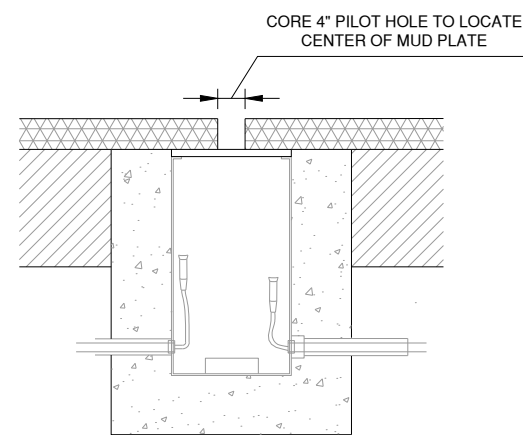
STEP 4



STEP 2



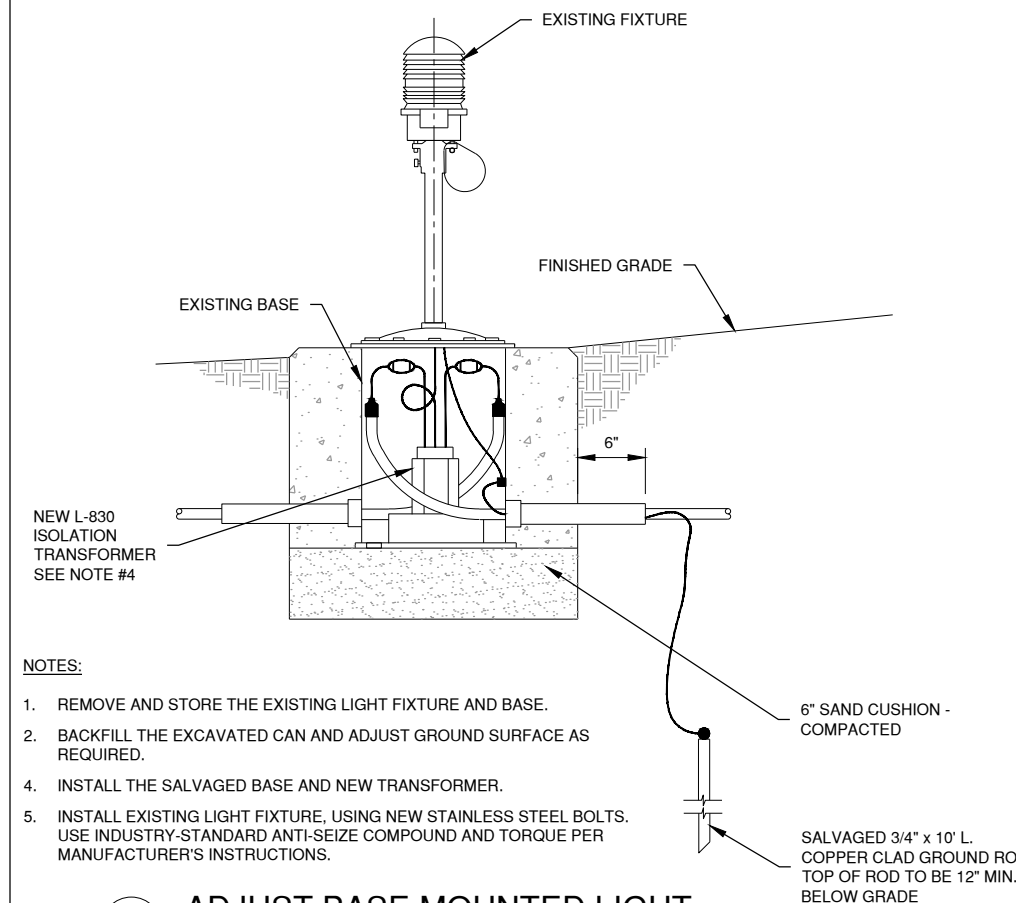
STEP 5



STEP 3

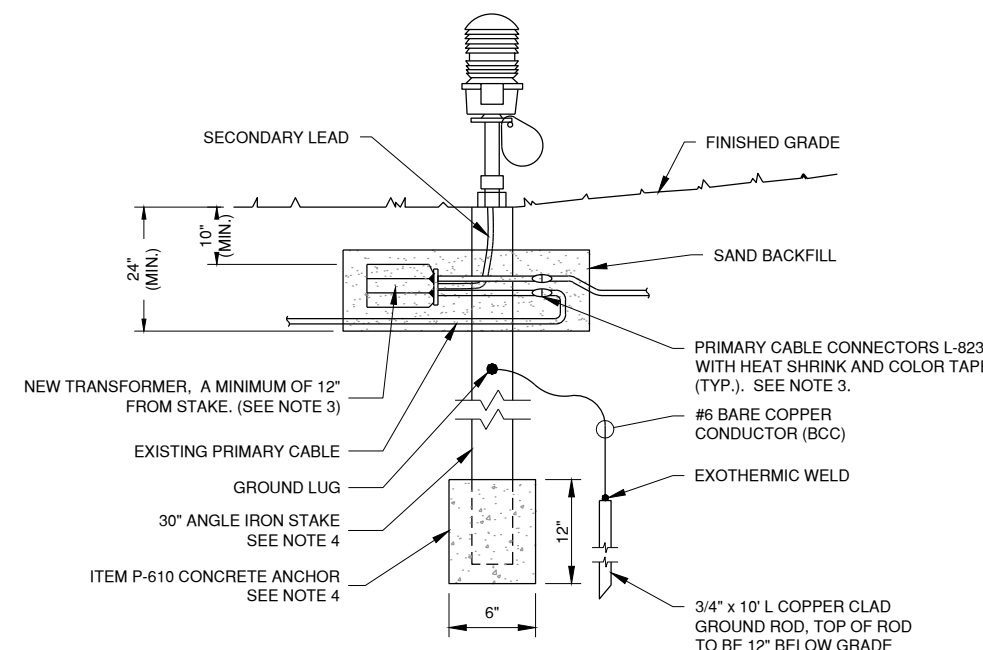
- NOTES:**
1. INSTALLATION SEQUENCE SHALL BE AS DETAILED IN STEPS 1 THROUGH 5 AND AS DESCRIBED BELOW.
 2. REMOVE AND STORE THE EXISTING LIGHT FIXTURE, TRANSFORMER AND WIRING.
 3. INSTALL MUD PLATE AND SURVEY LOCATION OF BULLSEYE.
 4. AFTER FINAL PAVING AT THE FIXTURE LOCATION, CORE A 4" DIA. PILOT HOLE TO LOCATE THE CENTER OF THE BULLSEYE PLATE.
 5. CORE A HOLE OF SUFFICIENT DIAMETER TO ACCOMMODATE THE NEW SNOW PLOW RING CENTERED ON THE LIGHT BASE.
 6. USING A MANUFACTURER'S SETTING JIG (OR OTHER DEVICE APPROVED BY THE ENGINEER), INSTALL THE CAN EXTENSION AND ADJUST TO THE REQUIRED ELEVATION WITH SPACER RINGS IF NECESSARY.
 7. FILL THE ANNULAR SPACE AROUND THE CAN EXTENSION WITH GROUT OR OTHER MATERIAL AS APPROVED BY THE LIGHT CAN MANUFACTURER.
 8. INSTALL THE NEW SNOW PLOW RING AND SALVAGED LIGHT FIXTURE, TRANSFORMER AND WIRING. USING NEW STAINLESS STEEL BOLTS. USE INDUSTRY-STANDARD ANTI-SEIZE COMPOUND AND TORQUE PER MANUFACTURER'S INSTRUCTIONS.
 9. LIGHT BEAM TO BE ORIENTED PER MANUFACTURER AND FAA CRITERIA.

1 **ADJUST IN-PAVEMENT LIGHT**
N.T.S.



- NOTES:**
1. REMOVE AND STORE THE EXISTING LIGHT FIXTURE AND BASE.
 2. BACKFILL THE EXCAVATED CAN AND ADJUST GROUND SURFACE AS REQUIRED.
 3. CORE TO FIT SNOW PLOW RING.
 4. INSTALL THE SALVAGED BASE AND NEW TRANSFORMER.
 5. INSTALL EXISTING LIGHT FIXTURE, USING NEW STAINLESS STEEL BOLTS. USE INDUSTRY-STANDARD ANTI-SEIZE COMPOUND AND TORQUE PER MANUFACTURER'S INSTRUCTIONS.

2 **ADJUST BASE MOUNTED LIGHT**
N.T.S.



- NOTES:**
1. REMOVE AND STORE THE EXISTING LIGHT FIXTURE, TRANSFORMER AND WIRING.
 2. ADJUST GROUND SURFACE AS REQUIRED.
 3. REINSTALL THE SALVAGED LIGHT FIXTURE, TRANSFORMER AND WIRING IN ACCORDANCE WITH THE DETAIL.
 4. NEW ANGLE IRON STAKE AND CONCRETE ANCHOR TO BE PROVIDED.

3 **ADJUST STAKE MOUNTED LIGHT**
N.T.S.

FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

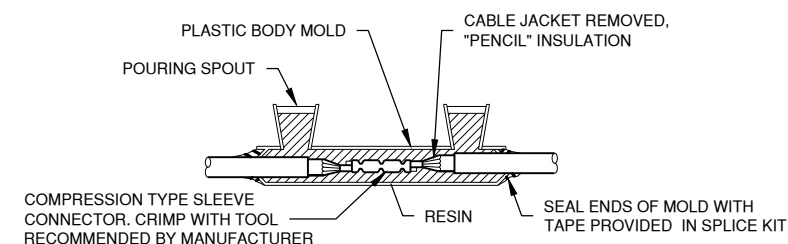
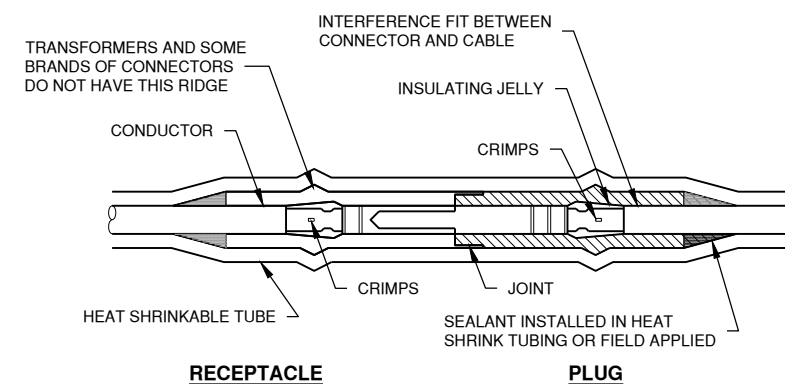
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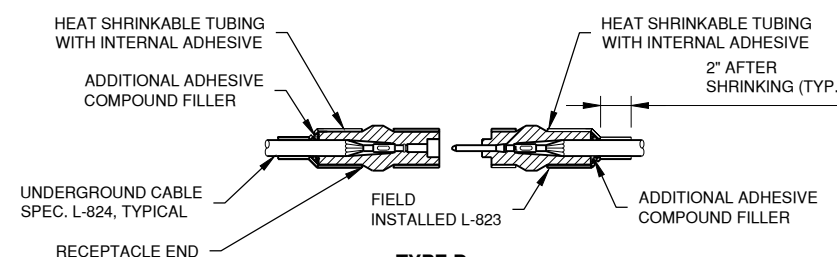
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ELECTRICAL DETAILS

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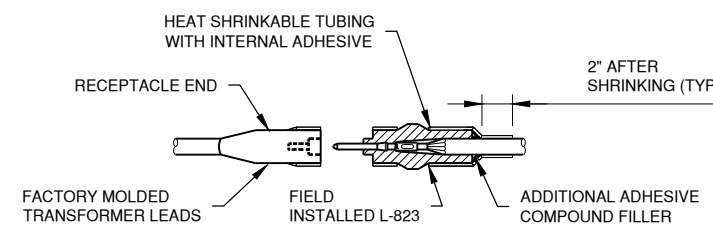
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EL504



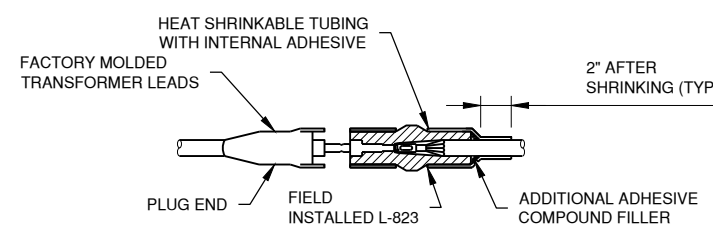
TYPE A
FOR SPLICES IN HOMERUNS AND FOR
EXTENSIONS TO EXISTING CABLES ONLY



TYPE B
NOT TO BE USED UNLESS
DIRECTED BY ENGINEER



TYPE C
FOR SPLICES AT RUNWAY LIGHTS,
TAXIWAY LIGHT AND SIGNS



TYPE D
FOR SPLICES AT RUNWAY LIGHTS,
TAXIWAY LIGHT AND SIGNS

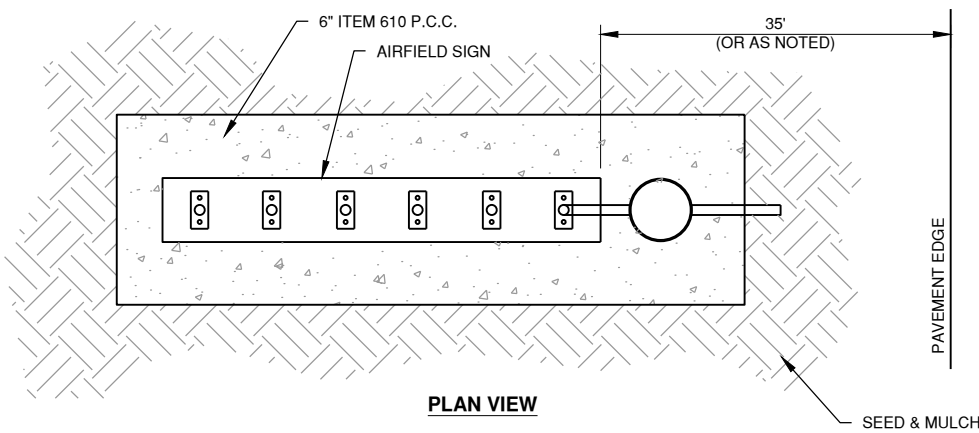
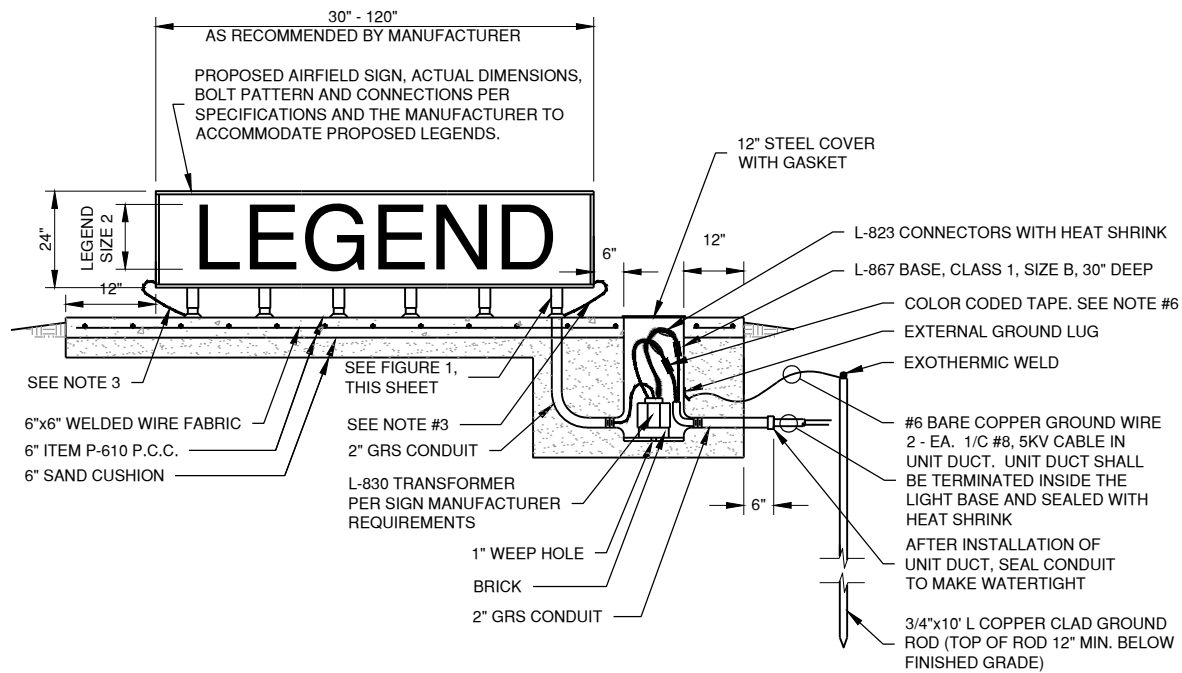
1 CABLE SPLICES
N.T.S.

NOTES

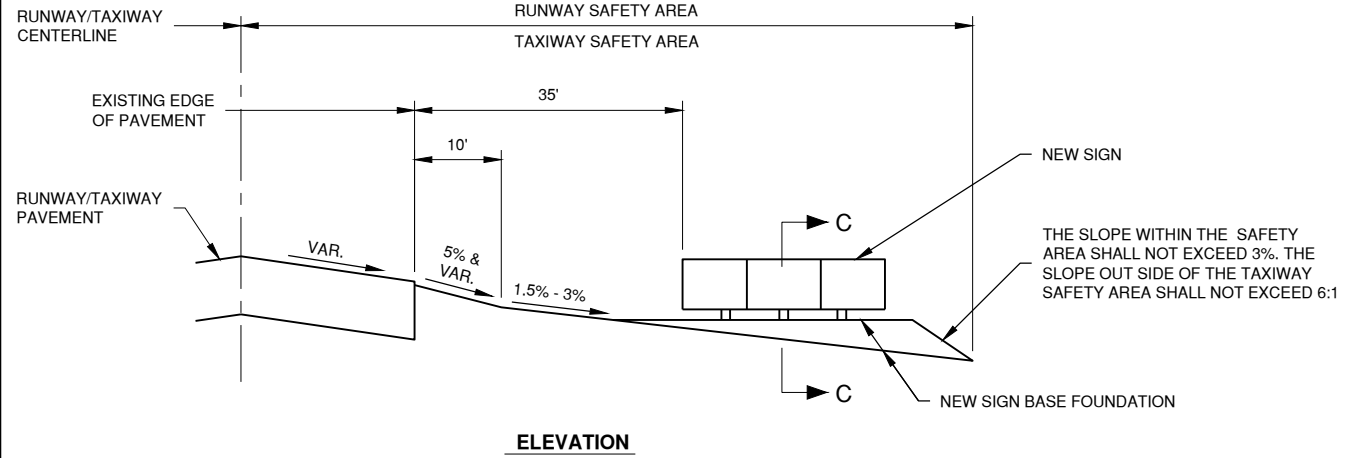
- MATCH THE OUTSIDE DIAMETER OF CABLE INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY
- WRAP WITH AT LEAST ONE LAYER OF RUBBER OR TAPE, ONE-HALF LAPPED, EXTENDING AT LEAST 1-1/2 INCHES ON EACH SIDE OF JOINT.

**INSTALLATION INSTRUCTIONS TO SUPPLEMENT THE
MANUFACTURER'S INSTRUCTIONS**

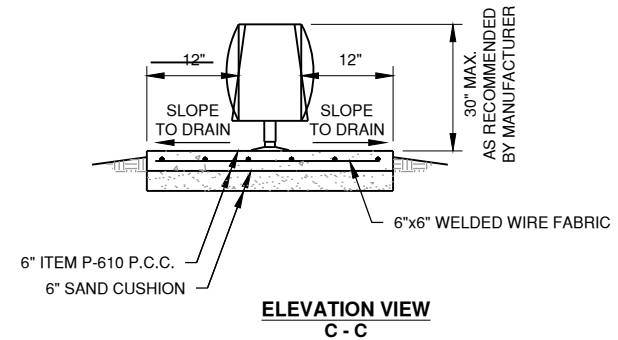
- CLEAN THE CABLE THOROUGHLY 9" MIN. FROM THE END.
- REMOVE INSULATION PER MANUFACTURER'S INSTRUCTIONS. DO NOT NICK THE CONDUCTOR. DO NOT PENCIL INSULATION ON L-824 TYPE C CABLE.
- INSTALL PIN AND/OR RECEPTICAL WITH CRIMPING TOOL WHICH MUST BE COMPLETELY CLOSED BEFORE THE TOOL MAY BE REMOVED.
- BE SURE CABLE AND CONDUCTOR FITTINGS ARE CLEAN. COAT THE CABLE INSULATION WITH INSULATION JELLY FROM THE CONNECTOR.
- CAREFULLY INSERT CABLE INTO CONNECTOR TO THE PROPER DEPTH.
- SLIP 14 INCH LENGTH OF HEAT SHRINK TUBING ON TRANSFORMER LEAD RAYCHEM TCS-13-14-U OR APPROVED EQUAL.
- COMPLETE CONNECTION BY MATING THE PLUG AND RECEPTICAL. **CAUTION** BE SURE THE CABLE DOES NOT SLIP WHEN THE CONNECTION IS MADE.
- APPLY RUBBER TAPE AND PLASTIC TAPE, ONE HALF LAPPED 1-1/2" ON EACH SIDE OF JOINT.
- ANY CONNECTOR WHICH IS CONTAMINATED BY DIRT OR OTHER DELETERIOUS MATERIAL SHALL BE REMOVED NOT REINSTALLED.
- CLEAN CONNECTOR AND CABLE INSULATION WITH WAX OR GREASE SOLVENT TO REMOVE SURFACE SILICONE JELLY.
- WRAP SEALANT SECURELY AROUND THE CABLE. INSULATION TO EXTEND 1-1/2" BEYOND BOTH ENDS OF CONNECTORS. SEALANT SHALL BE RAYCHEM S-1052 (STRIPS) OR APPROVED EQUAL.
- CENTER HEAT SHRINK OVER THE CONNECTOR. APPLY HEAT EVENLY BEGINNING AT THE CENTER AND WORKING AROUND CABLE TO ENDS. THERMOCHROMIC PAINT SHALL SHOW PROPER HEAT HAS BEEN USED. *** DO NOT OVER HEAT ***.
- THE HEAT SOURCE SHALL BE AN ELECTRIC HEAT GUN OR A PROPANE WITH FLAME SPREADER.



1 L-858 AIRFIELD GUIDANCE SIGN
N.T.S.



ELEVATION

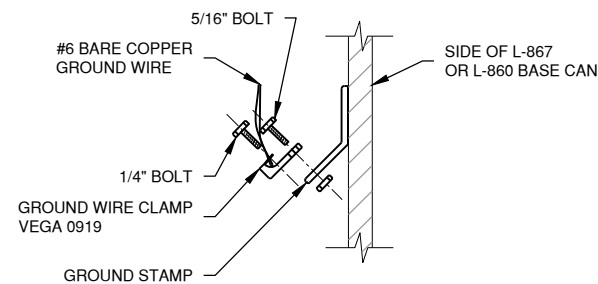


ELEVATION VIEW C-C

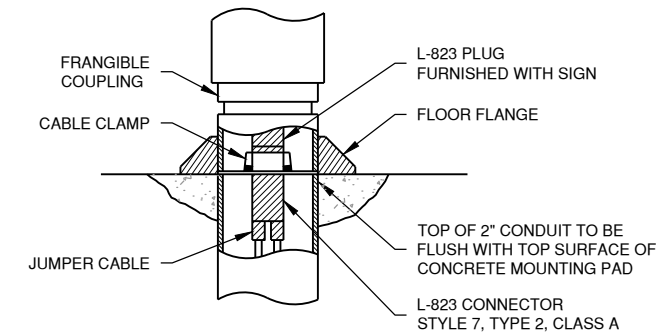
SIGN NOTES

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.

2 AIRFIELD SIGN INSTALLATION
N.T.S.



3 FACTORY GROUND LUG
N.T.S.



4 ELECTRICAL CONNECTION (FIGURE 1)
N.T.S.

AIRFIELD GUIDANCE 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.

FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX
IL PROJ. NO: UIN-4834
CMT PROJECT NO: 18002001
CAD DWG FILE: 180020-01 PH1 EL501.DWG
DESIGNED BY: HWI
DRAWN BY: DPA
CHECKED BY: MJD
APPROVED BY: RLV
COPYRIGHT:

SHEET TITLE
ELECTRICAL DETAILS
5

SHEET **61** OF **93**
EL505

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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX

IL PROJ. NO: UIN-4834

CMT PROJECT NO: 18002001

CAD DWG FILE: 180020-01 PH1 EL501.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: MJD

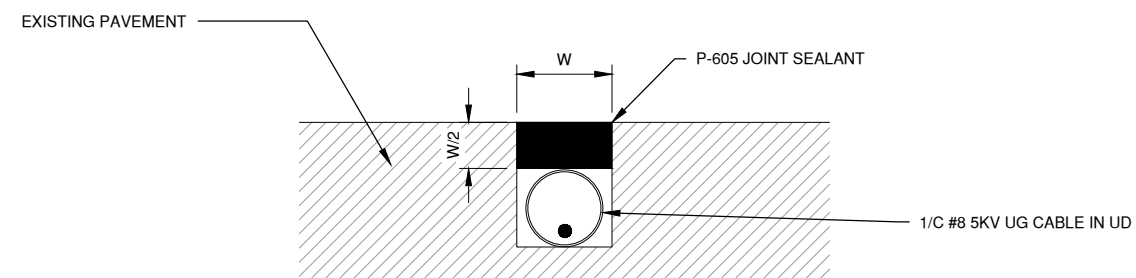
APPROVED BY: RLV

COPYRIGHT:

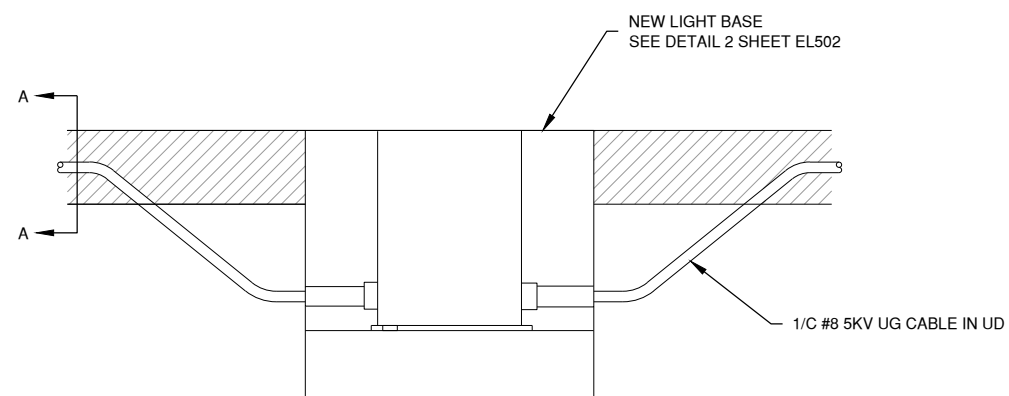
SHEET TITLE

ELECTRICAL DETAILS
6

EL506
SHEET 62 OF 93



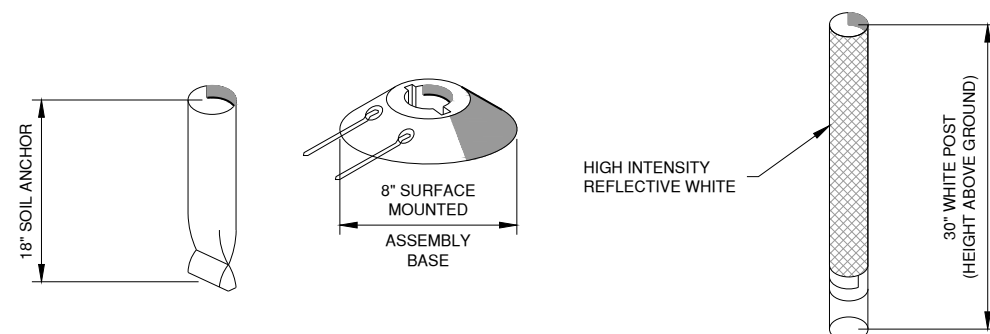
SECTION A-A



NOTES

- SAWCUTTING AND SEALING IS INCIDENTAL TO THE 1/C #8 5KV IN UD PAY ITEM

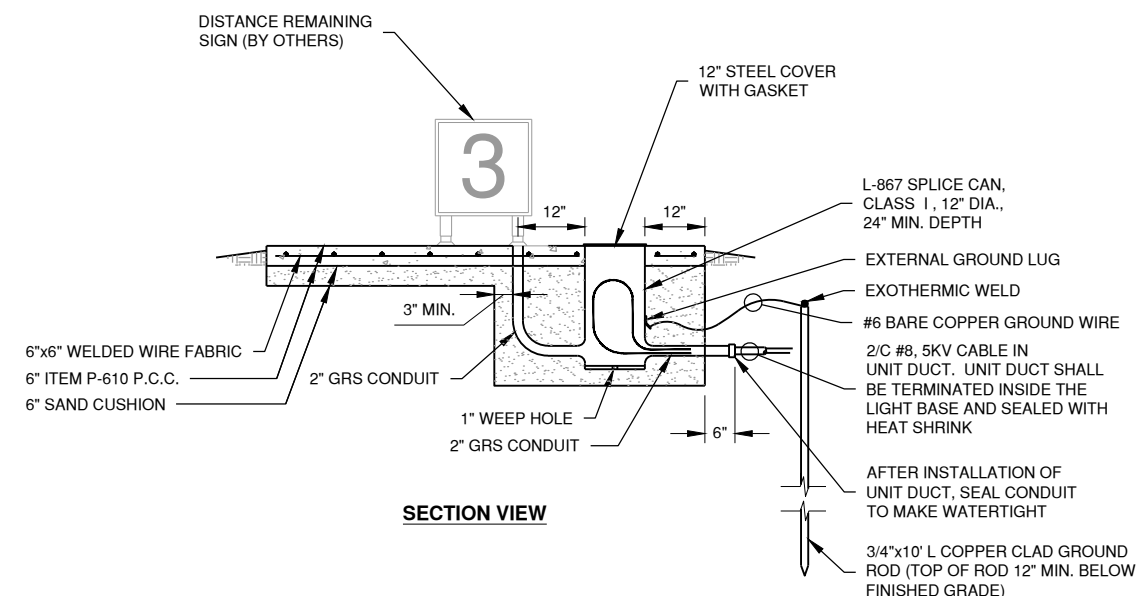
1 CONDUIT IN SAWCUT DETAIL
N.T.S.



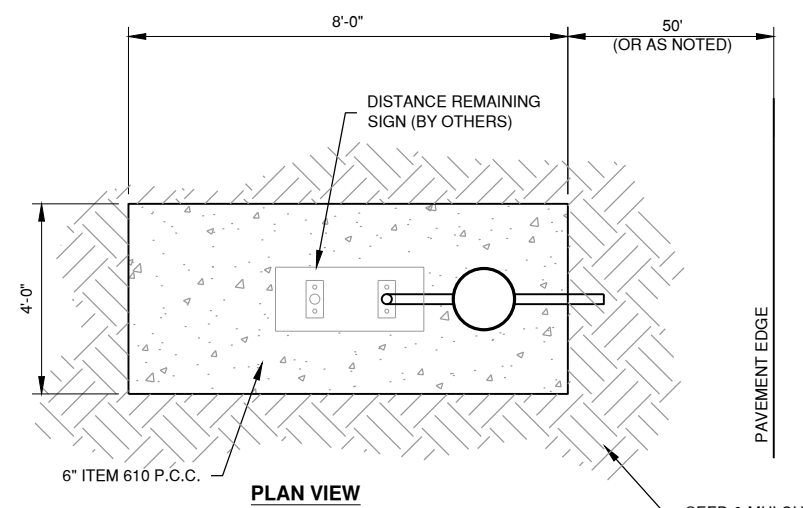
2 ELEVATED RETRO-REFLECTIVE MARKER
N.T.S.

RETRO-REFLECTIVE MARKER NOTES

- RETROREFLECTIVE MARKER SHALL MET FAA AC 150/5345-39D AIRFIELD LIGHTING EQUIPMENT CERTIFICATION PROGRAM



SECTION VIEW

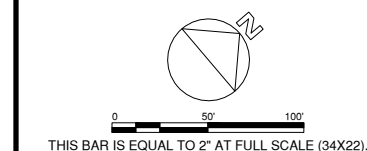


PLAN VIEW

3 DISTANCE REMAINING SIGN BASE
N.T.S.

DISTANCE REMAINING SIGN BASE NOTES

- THIS PAY ITEM WILL INCLUDE THE CONSTRUCTION OF A NEW SIGN BASE ONLY. THE DISTANCE REMAINING SIGN, TRANSFORMER AND CABLE BETWEEN THE SPLICE CAN AND THE SIGN WILL BE BY OTHERS.



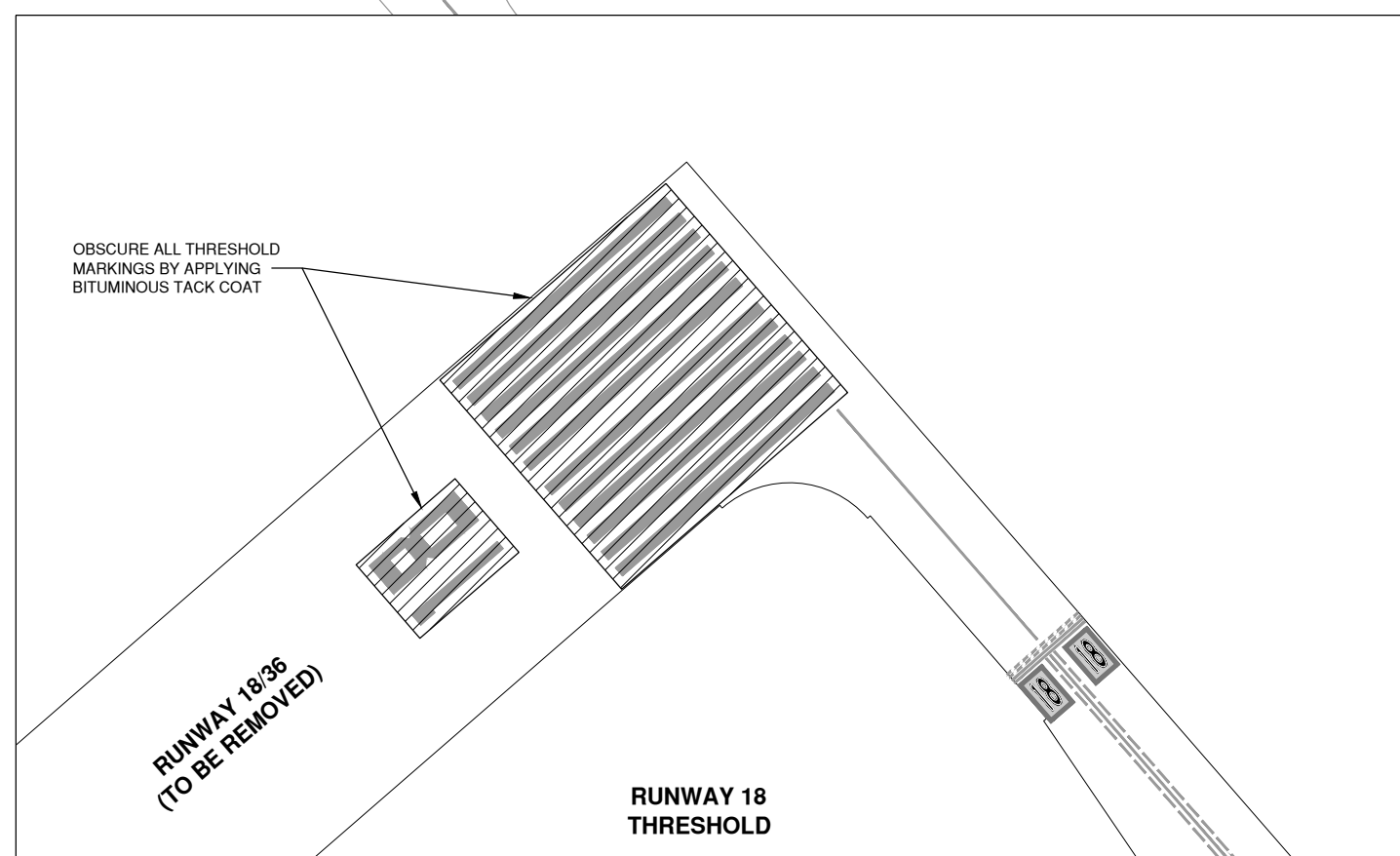
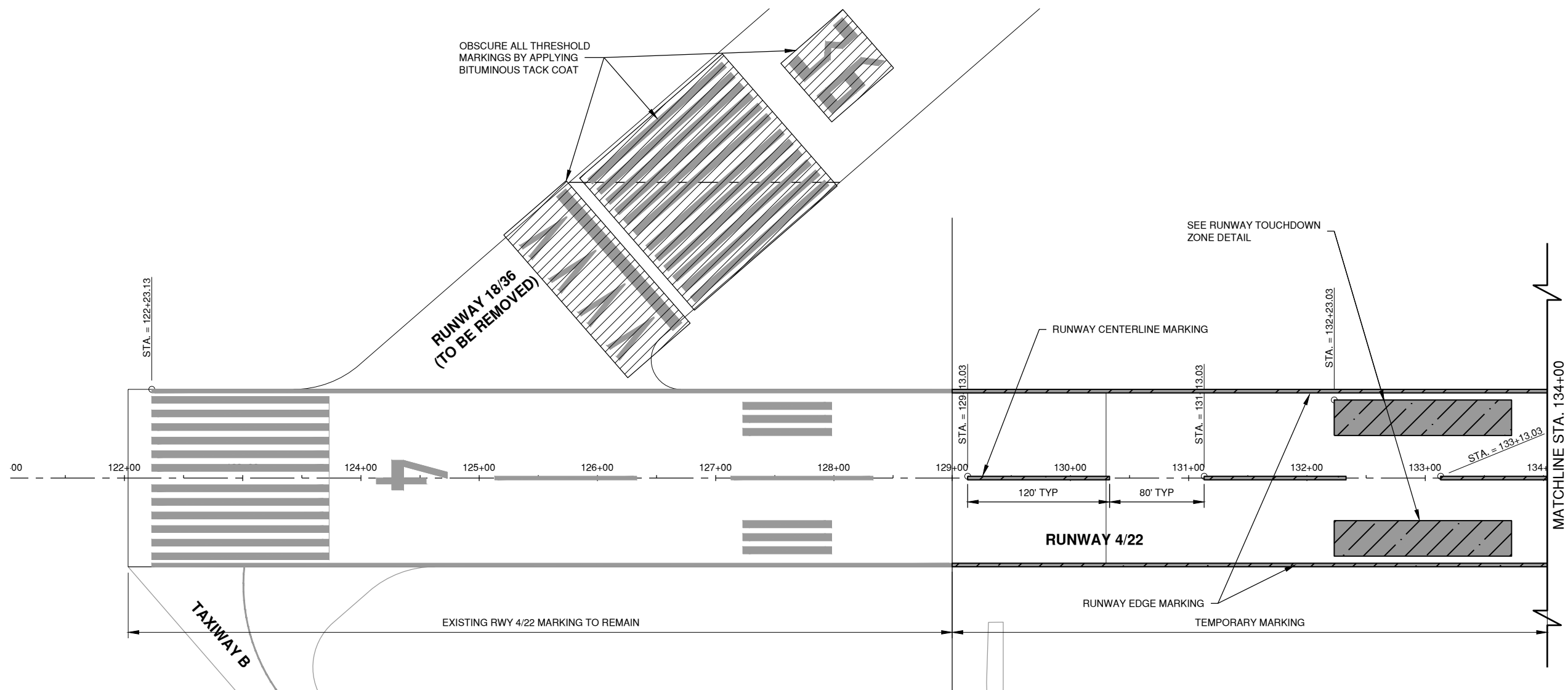
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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



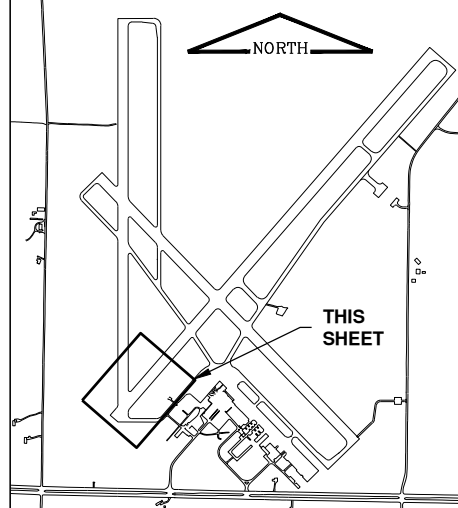
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL



LEGEND

- PROPOSED TAXIWAY CENTERLINE MARKING
- PROPOSED ENHANCED TAXIWAY CENTERLINE
- PROPOSED HOLDING POSITION MARKING
- REMOVE EXISTING MARKING
- EXISTING MARKING
- PROPOSED SURFACE PAINTED HOLD POSITION SIGN (SPHPS)
- EXISTING MARKING TO REMAIN
- TEMPORARY MARKING
- PERMANENT MARKING

KEYMAP



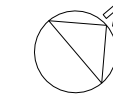
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MARK	DATE	DESCRIPTION

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IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 CM101.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE
MARKING PLAN 1

CM101
SHEET 63 OF 93



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

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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER

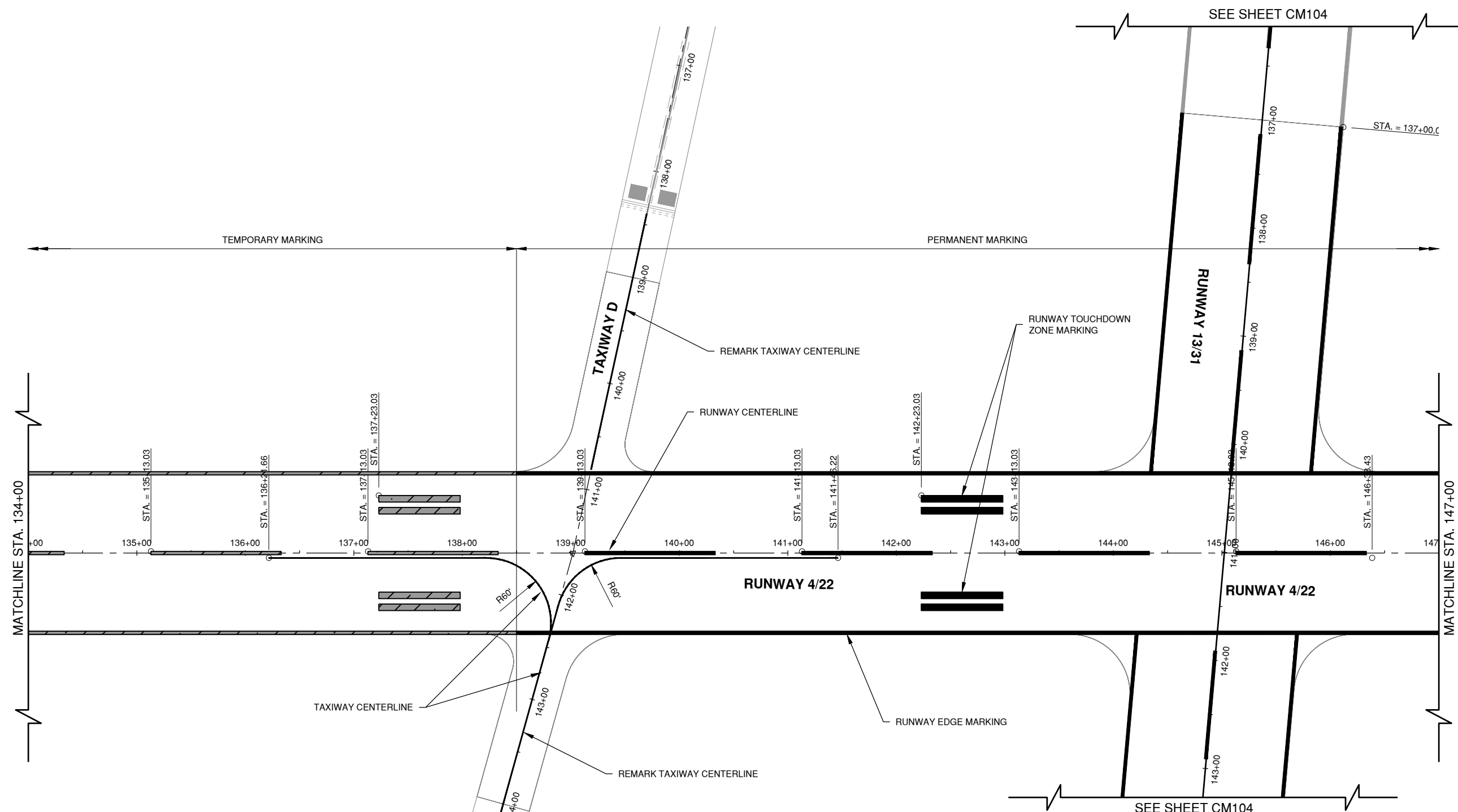


CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

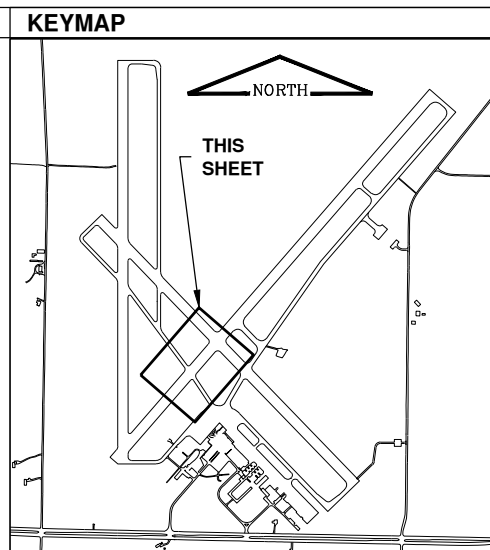
SHEET TITLE
MARKING PLAN 2

CM102
SHEET 64 OF 93

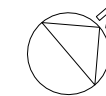


LEGEND

	PROPOSED TAXIWAY CENTERLINE MARKING
	PROPOSED ENHANCED TAXIWAY CENTERLINE
	PROPOSED HOLDING POSITION MARKING
	REMOVE EXISTING MARKING
	EXISTING MARKING
	PROPOSED SURFACE PAINTED HOLD POSITION SIGN (SPHPS)
	EXISTING MARKING TO REMAIN
	TEMPORARY MARKING
	PERMANENT MARKING



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Date: Monday, December 7, 2020 8:11:00 AM



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

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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



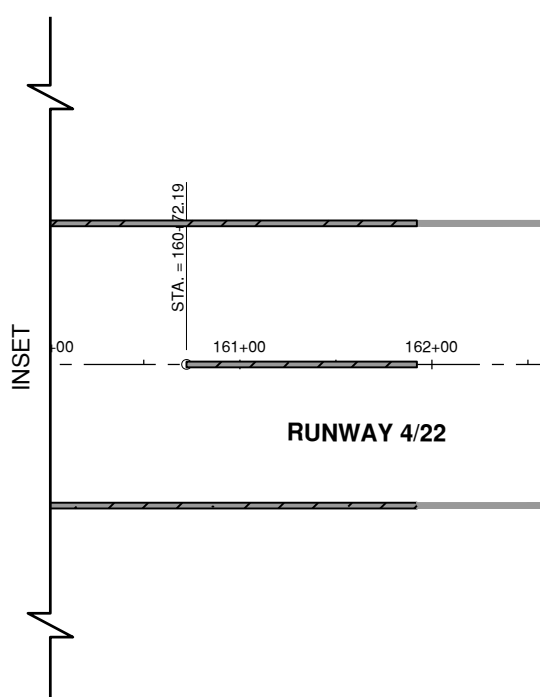
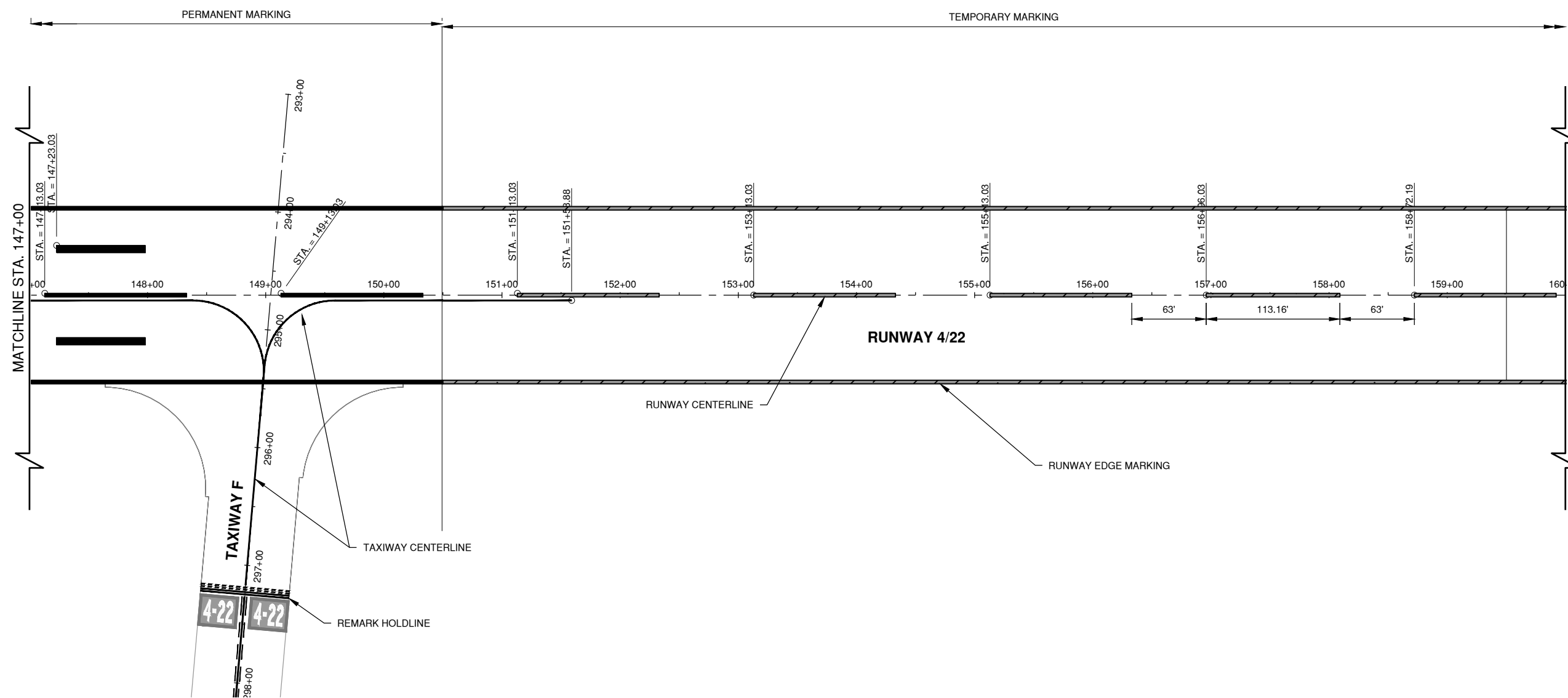
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

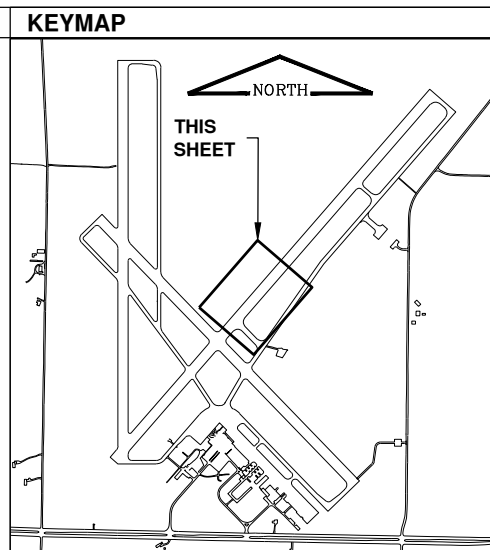
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IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 CM101.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE
MARKING PLAN 3

CM103
SHEET 65 OF 93



LEGEND	
	PROPOSED TAXIWAY CENTERLINE MARKING
	PROPOSED ENHANCED TAXIWAY CENTERLINE
	PROPOSED HOLDING POSITION MARKING
	REMOVE EXISTING MARKING
	EXISTING MARKING
	PROPOSED SURFACE PAINTED HOLD POSITION SIGN (SPHS)
	EXISTING MARKING TO REMAIN
	TEMPORARY MARKING
	PERMANENT MARKING

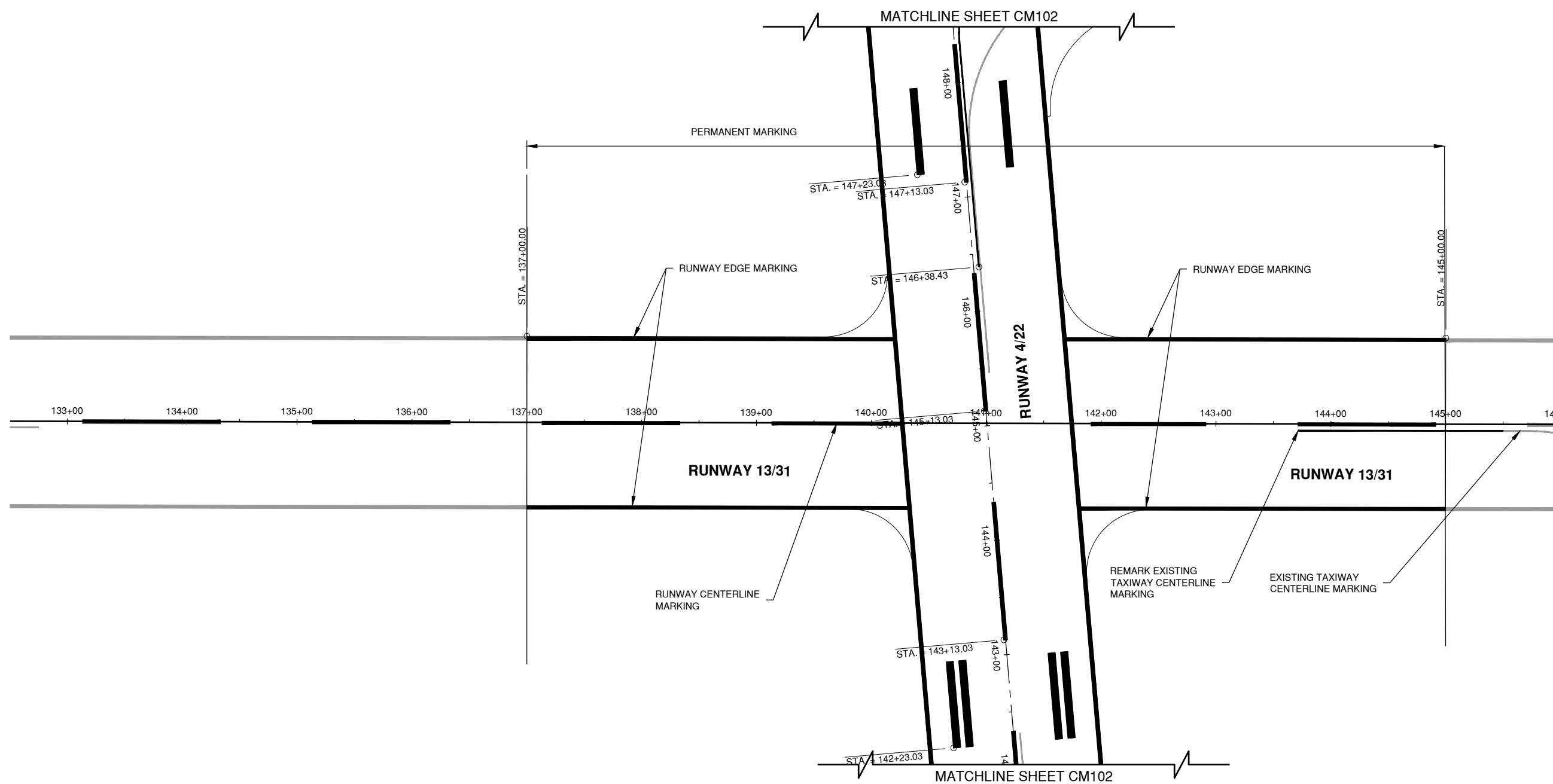
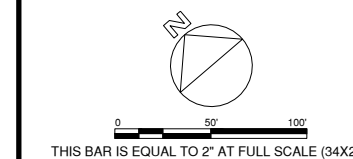


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RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

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QUINCY REGIONAL AIRPORT
QUINCY, IL

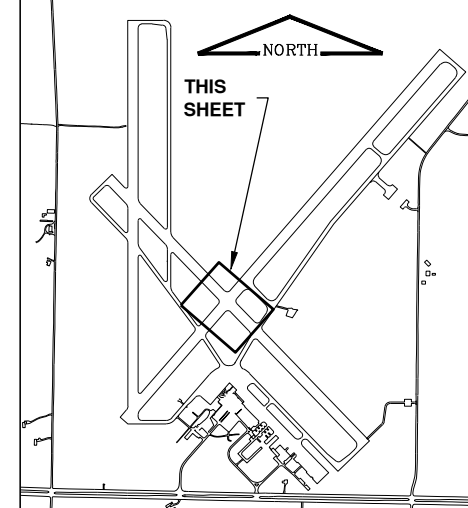
NOTES

1. NEW RUNWAY 13/31 MARKINGS SHALL MATCH THE EXISTING MARKINGS.

LEGEND

- PROPOSED TAXIWAY CENTERLINE MARKING
- PROPOSED ENHANCED TAXIWAY CENTERLINE
- PROPOSED HOLDING POSITION MARKING
- REMOVE EXISTING MARKING
- EXISTING MARKING
- PROPOSED SURFACE PAINTED HOLD POSITION SIGN (SPHPS)
- EXISTING MARKING TO REMAIN
- TEMPORARY MARKING
- PERMANENT MARKING

KEYMAP



MARK	DATE	DESCRIPTION
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IL PROJ. NO: UIN-4834		
CMT PROJECT NO: 18002001		
CAD DWG FILE: 180020-01 PH1 CM101.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
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SHEET TITLE
MARKING PLAN 4

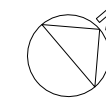
CM104
SHEET 66 OF 93

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 Date: Monday, December 7, 2020 8:11:10 AM



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

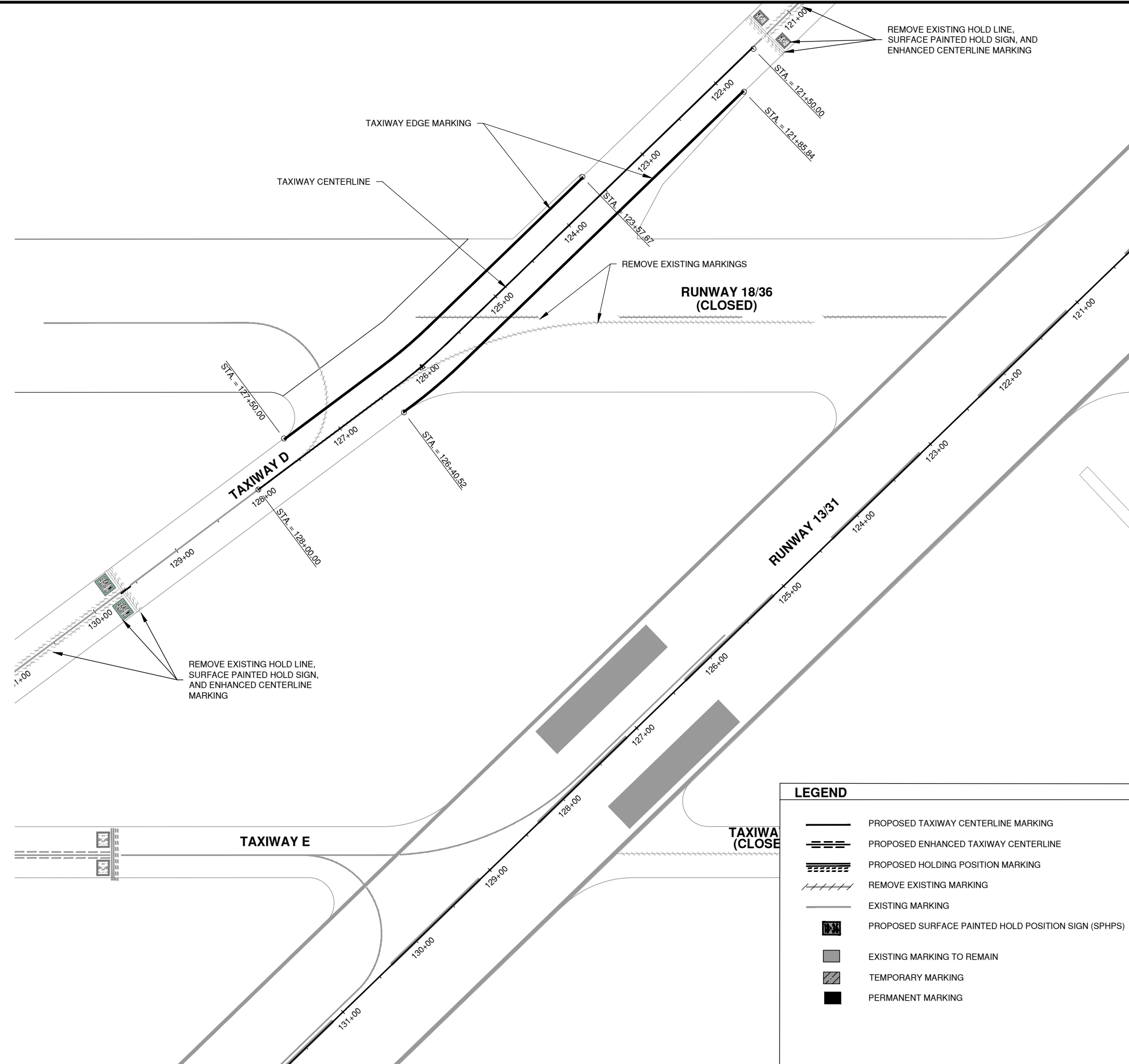
FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



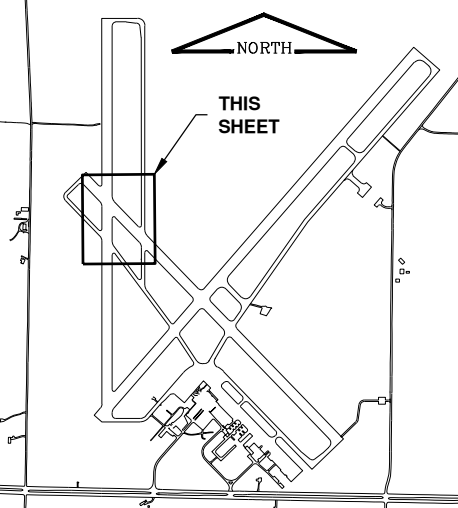
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL



LEGEND

- PROPOSED TAXIWAY CENTERLINE MARKING
- PROPOSED ENHANCED TAXIWAY CENTERLINE
- PROPOSED HOLDING POSITION MARKING
- REMOVE EXISTING MARKING
- EXISTING MARKING
- PROPOSED SURFACE PAINTED HOLD POSITION SIGN (SPHPs)
- EXISTING MARKING TO REMAIN
- TEMPORARY MARKING
- PERMANENT MARKING

KEYMAP

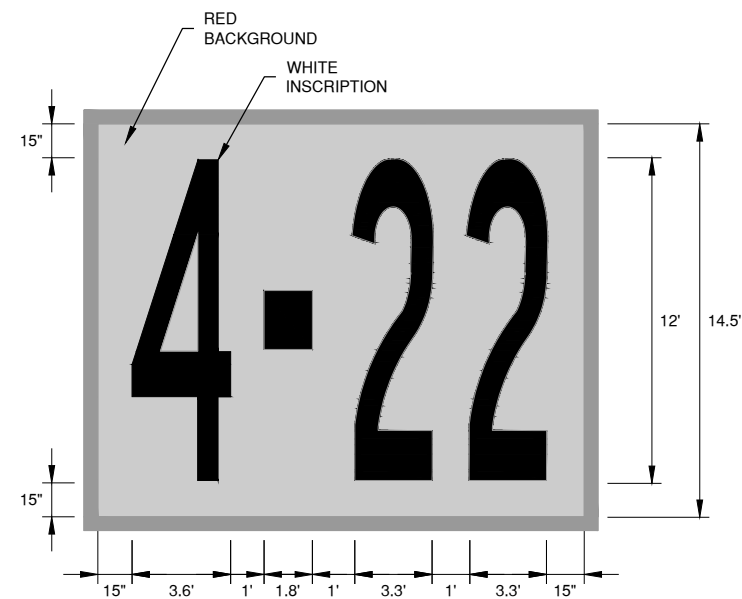


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IL PROJ. NO:	UIN-4834	
CMT PROJECT NO:	18002001	
CAD DWG FILE:	180020-01 PH1 CM101.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
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SHEET TITLE
MARKING PLAN 5

CM105
SHEET 67 OF 93

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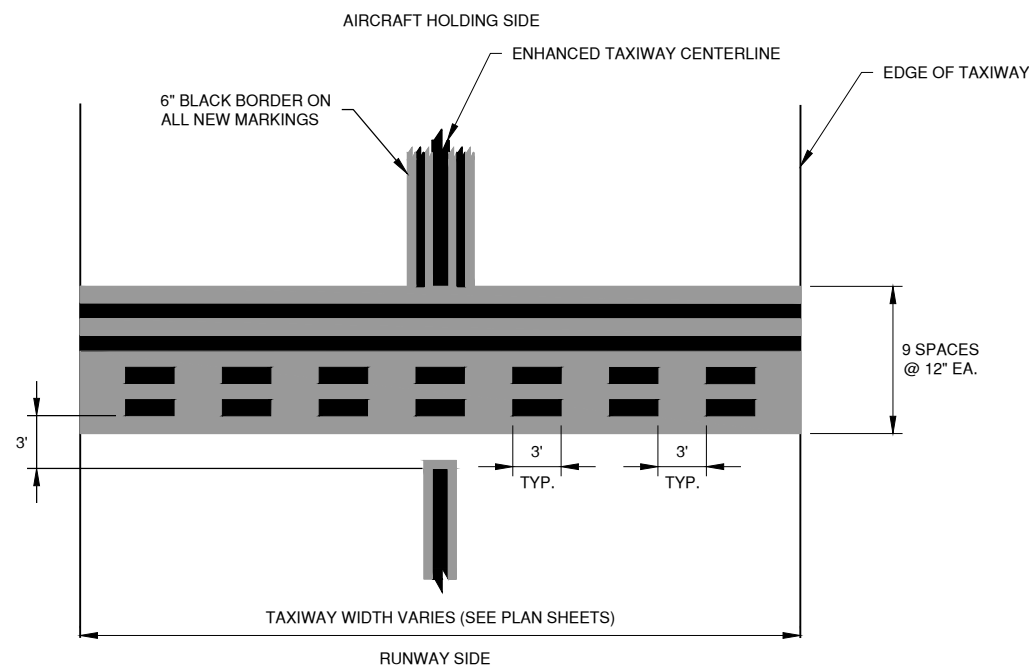


1 SURFACE PAINTED HOLDING POSITION SIGN
N.T.S.

SPHPS NOTE

1. THE APPEARANCE OF THE NUMBERS, LETTERS AND ARROWS MUST BE PER APPENDIX A OF THE CURRENT PAVEMENT MARKING ADVISORY CIRCULAR (150/5340-1M).
2. REFER TO P-620 SPEC FOR GLASS BEAD APPLICATION RATE ON RED MARKING.

BLACK BORDER SHALL NOT HAVE REFLECTIVE MEDIA



2 ENHANCED RUNWAY HOLDING POSITION
N.T.S.

MARKING NOTE

1. ALL NEW AIRFIELD PAVEMENT MARKING SHALL HAVE REFLECTIVE BEADS & 6" BLACK BORDER.
2. BLACK BORDER DOES NOT RECEIVE REFLECTIVE BEADS.

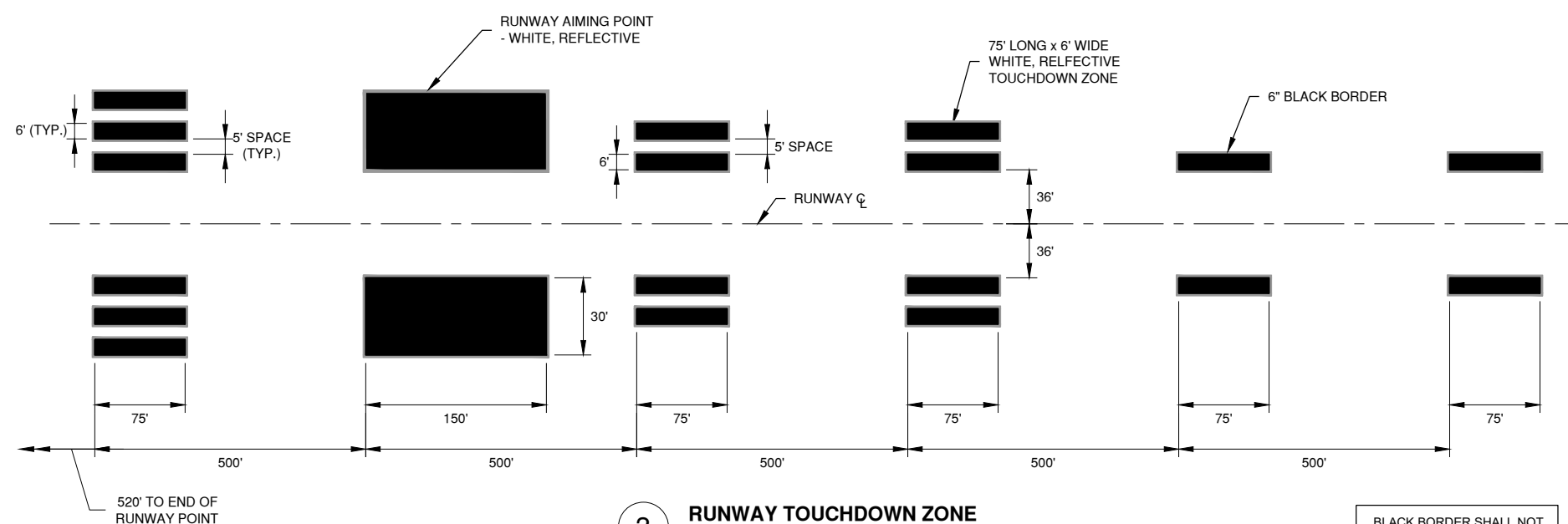
FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER

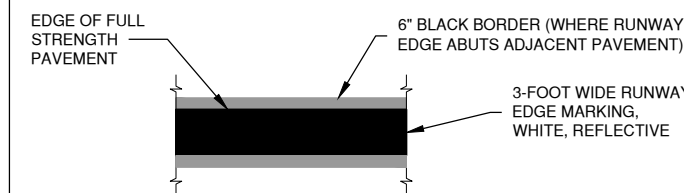


CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

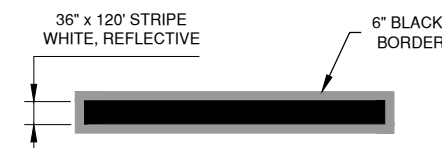


3 RUNWAY TOUCHDOWN ZONE
N.T.S.

BLACK BORDER SHALL NOT HAVE REFLECTIVE MEDIA



5 RUNWAY EDGE, CONTINUOUS
N.T.S.



6 RUNWAY CENTERLINE, DASHED
N.T.S. (360 SF WHITE, 124 SF BLACK PER EACH FULL LENGTH DASH)

RUNWAY CENTERLINE NOTE

1. THE DISTANCE BETWEEN STRIPES SHALL BE 80' OR AS NOTED ON THE PROPOSED MARKING SHEETS.
2. CENTERLINE STRIPES ARE CENTERED ABOUT THE RUNWAY CENTERLINE.

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX	Q1063
IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 CM501.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
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MARKING DETAILS 1

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RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

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QUINCY, IL

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX	Q1063
IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 CM501.DWG	
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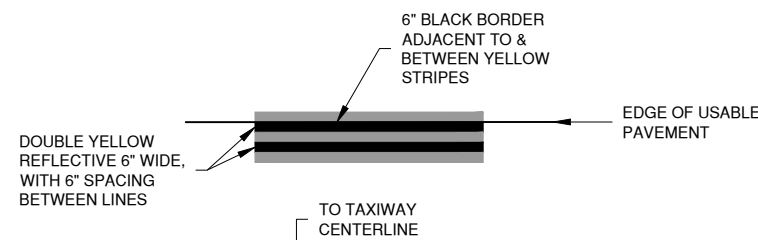
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MARKING DETAILS 2

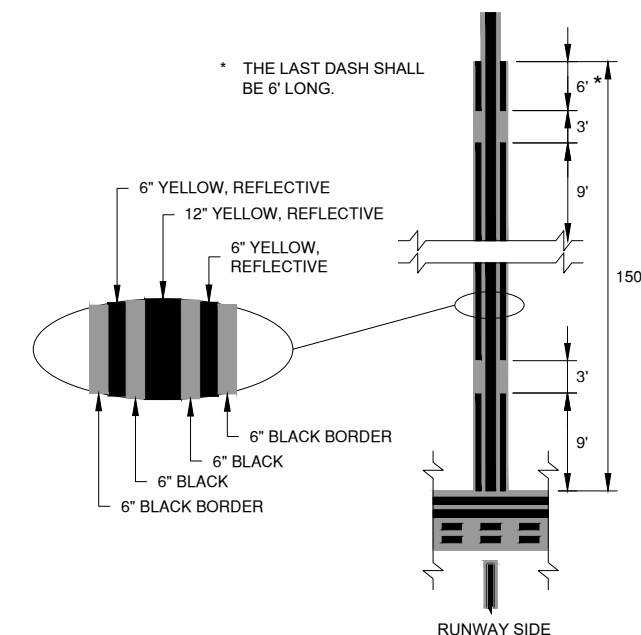
CM502
SHEET 69 OF 93



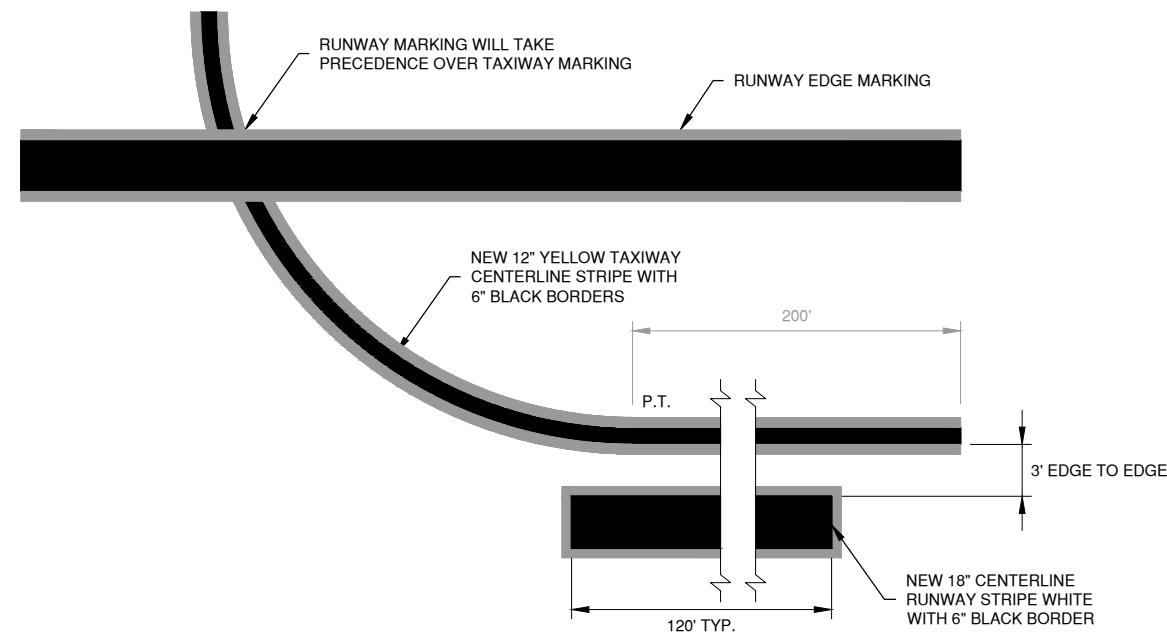
1 TAXIWAY CENTERLINE DETAIL
N.T.S.



2 CONTINUOUS TAXIWAY EDGE LINE
N.T.S.



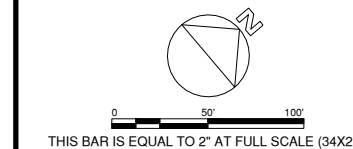
3 ENHANCED TAXIWAY CENTERLINE
N.T.S.



4 TAXIWAY CENTERLINE MARKING
N.T.S.

- MARKING NOTE**
1. ALL NEW AIRFIELD PAVEMENT MARKING SHALL HAVE REFLECTIVE BEADS & 6" BLACK BORDER.
 2. BLACK BORDER DOES NOT RECEIVE REFLECTIVE BEADS.

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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

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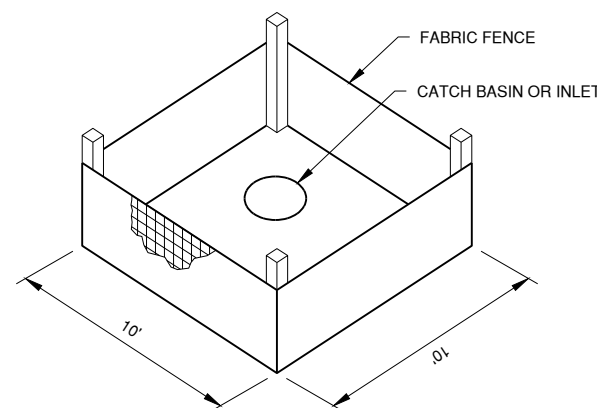
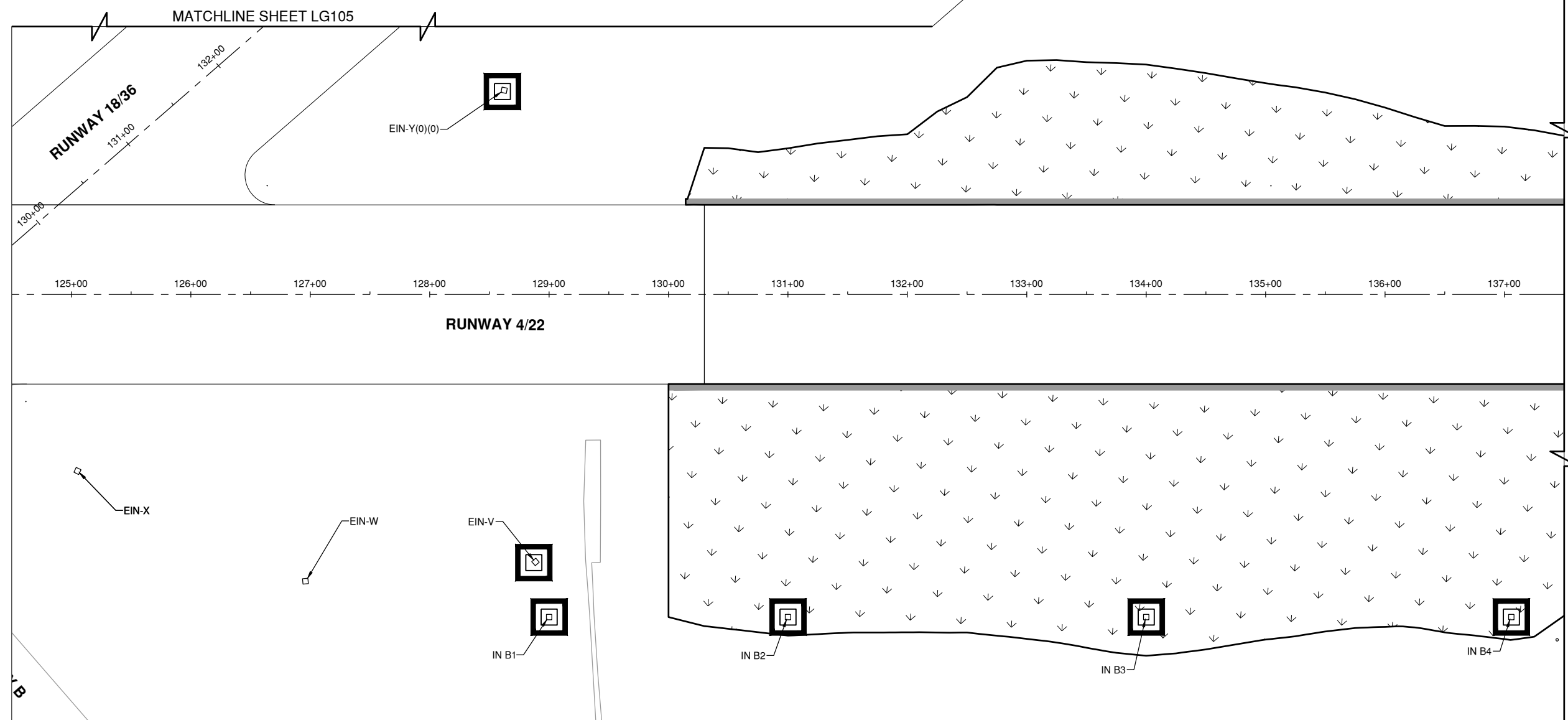


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QUINCY REGIONAL AIRPORT
QUINCY, IL

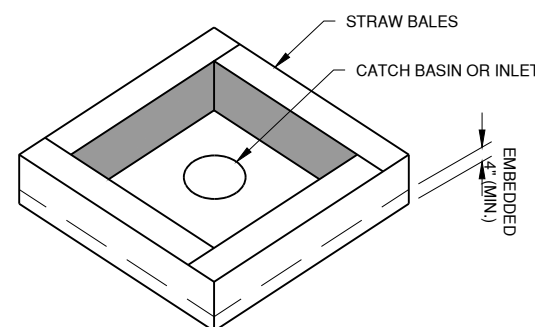
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CAD DWG FILE: 180020-01 PH1 LG101.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
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SHEET TITLE
**EROSION CONTROL &
TURFING PLAN 1**

LG101
SHEET 70 OF 93



1 INLET PROTECTION WITH FABRIC
N.T.S.

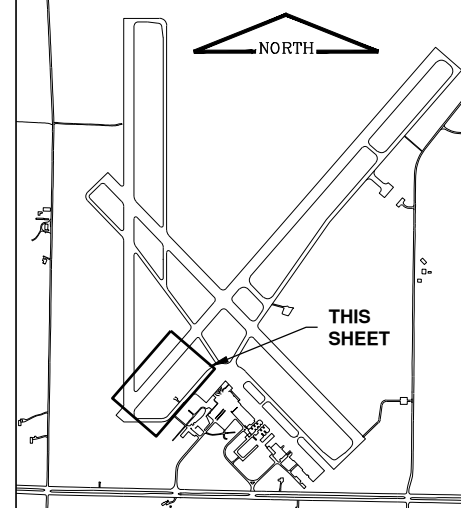


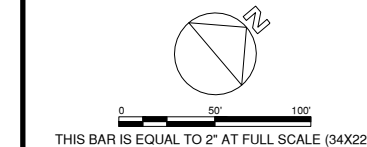
2 INLET PROTECTION WITH STRAW BALES
N.T.S.

LEGEND

- NEW SEEDING & MULCHING
- NEW SOD 5' WIDTH
- INLET PROTECTION

KEYMAP





FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO:	3-17-0085-XX	Q1063
IL PROJ. NO:	UIN-4834	
CMT PROJECT NO:	18002001	
CAD DWG FILE:	180020-01 PH1 LG101.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
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SHEET TITLE
**EROSION CONTROL &
TURFING PLAN 2**

LG102
SHEET 71 OF 93




MATCHLINE SHEET LG101

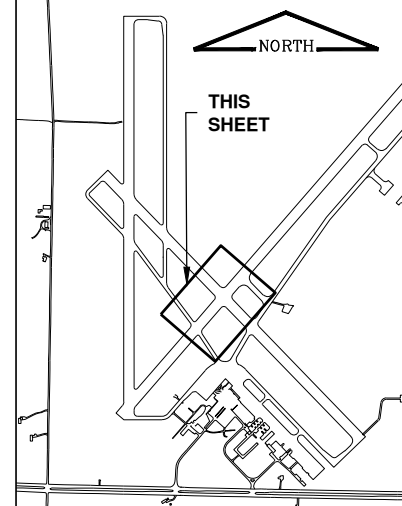


MATCHLINE SHEET LG103

MATCHLINE SHEET LG104

LEGEND

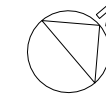
-  NEW SEEDING & MULCHING
-  NEW SOD 5' WIDTH
-  INLET PROTECTION

KEYMAP




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CONSULTANTS



0 50' 100'

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

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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MATCHLINE SHEET LG102

MATCHLINE SHEET LG104

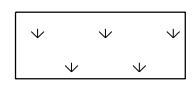
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RUNWAY 4/22

EIN-O

EIN-N

LEGEND



NEW SEEDING & MULCHING

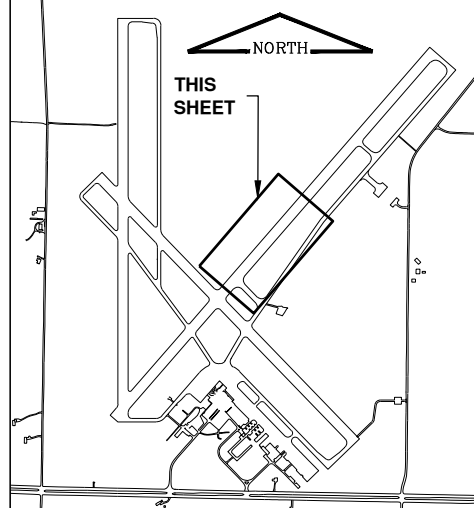


NEW SOD 5' WIDTH



INLET PROTECTION

KEYMAP

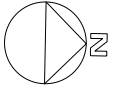


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SHEET TITLE
**EROSION CONTROL &
TURFING PLAN 3**

LG103
SHEET 72 OF 93

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0 50' 100'

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

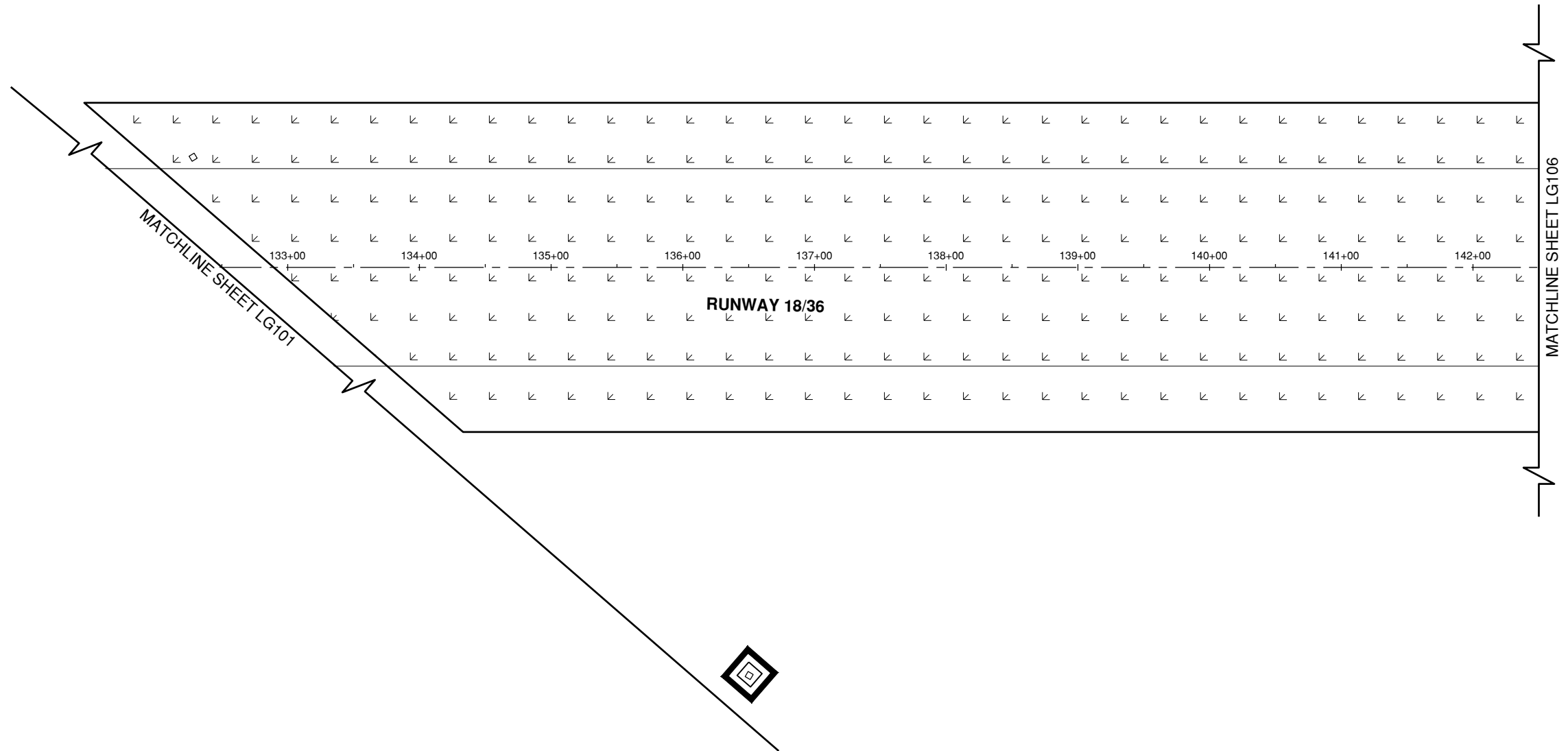
FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL



LEGEND



NEW SEEDING & MULCHING

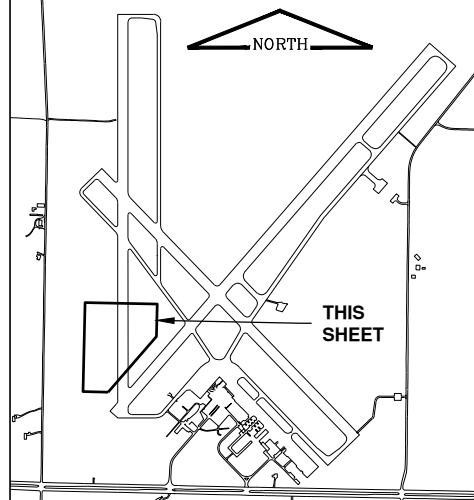


NEW SOD 5' WIDTH



INLET PROTECTION

KEYMAP



MARK | DATE | DESCRIPTION

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IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 LG101.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

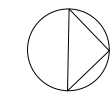
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**EROSION CONTROL &
TURFING PLAN 5**

LG105
SHEET 74 OF 93



License No. 184-000613

CONSULTANTS



0 50' 100'

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

FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

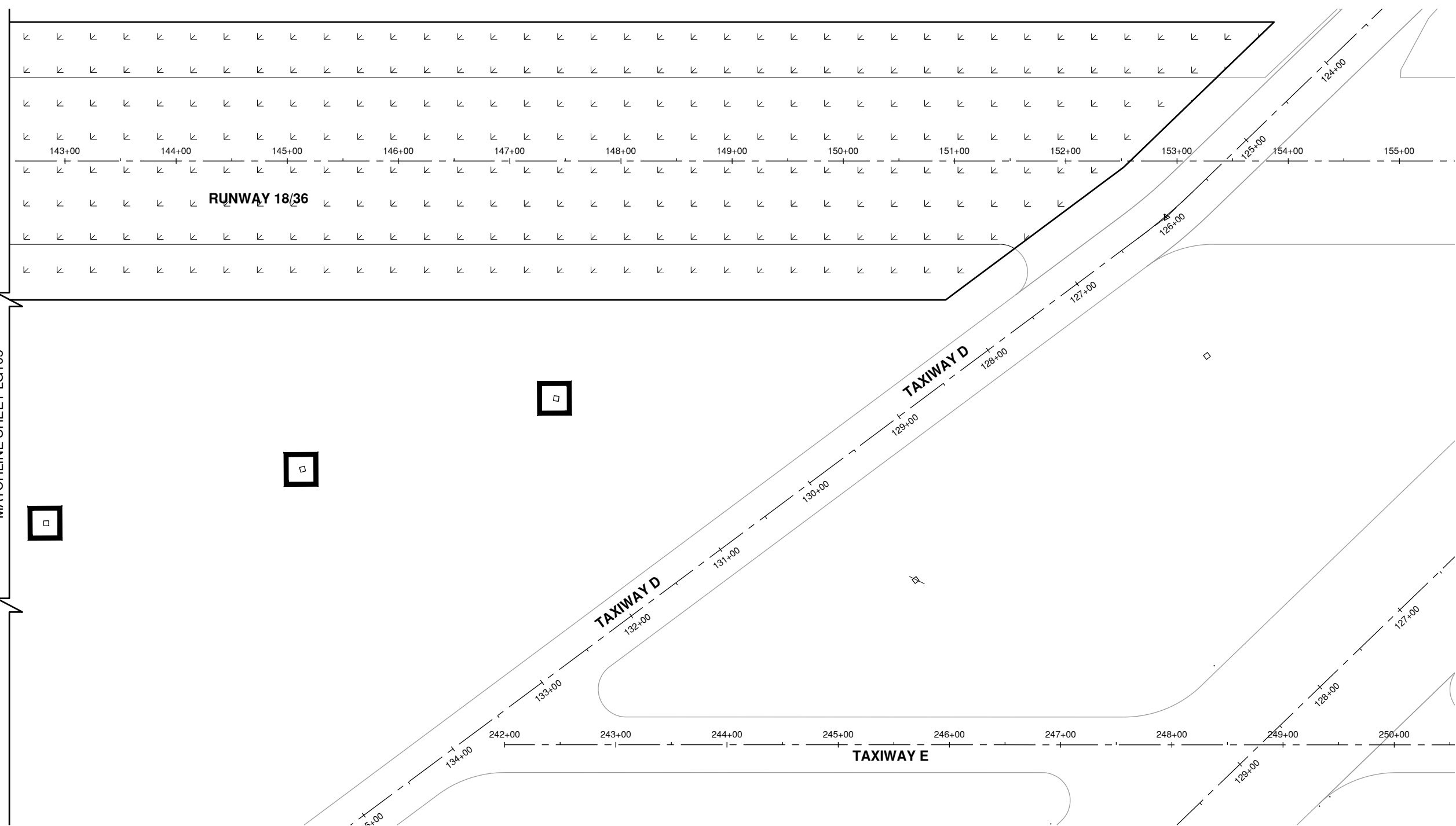
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DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	




SHEET TITLE
**EROSION CONTROL &
TURFING PLAN 6**

LG106
SHEET 75 OF 93

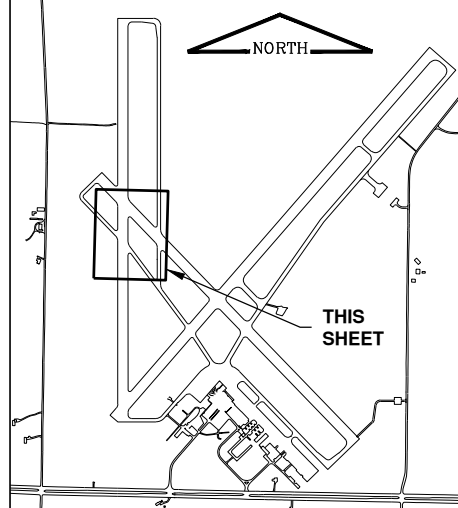
MATCHLINE SHEET LG105



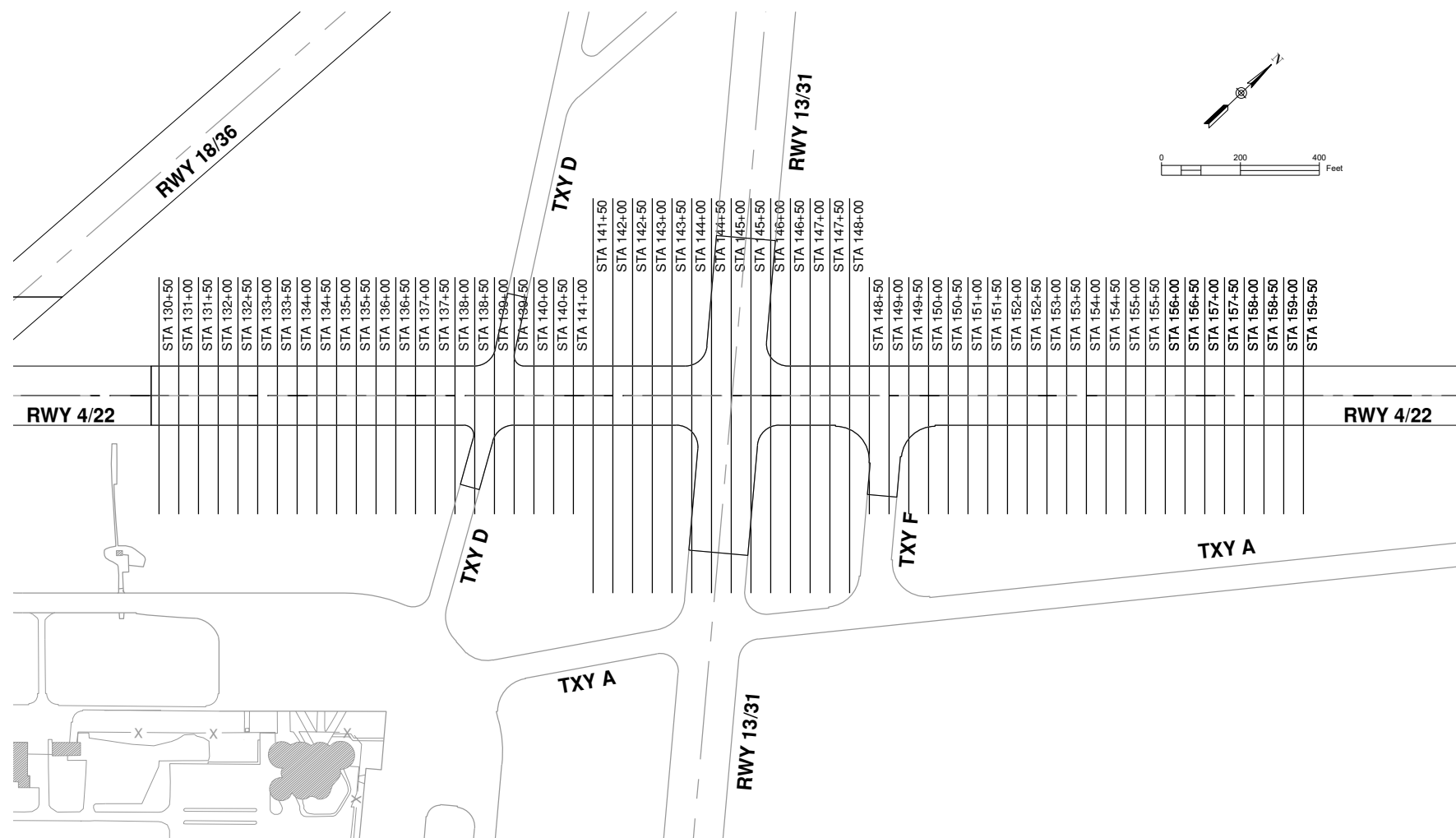
LEGEND

-  NEW SEEDING & MULCHING
-  NEW SOD 5' WIDTH
-  INLET PROTECTION

KEYMAP



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FINAL SUBMITTAL
NOVEMBER 20, 2020

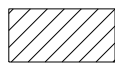


RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

SECTION LEGEND

---	EX. GROUND
—	FINAL GROUND
- - - - -	EX. HMA
· · · · ·	EX. PCC
- · - · -	EX. BASE
	CUT
	FILL
	HMA OVERLAY

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0085-XX	Q1063
IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 CG600-422 XSECT	
DESIGNED BY: RWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE
RUNWAY 4-22 CROSS SECTION INDEX

FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

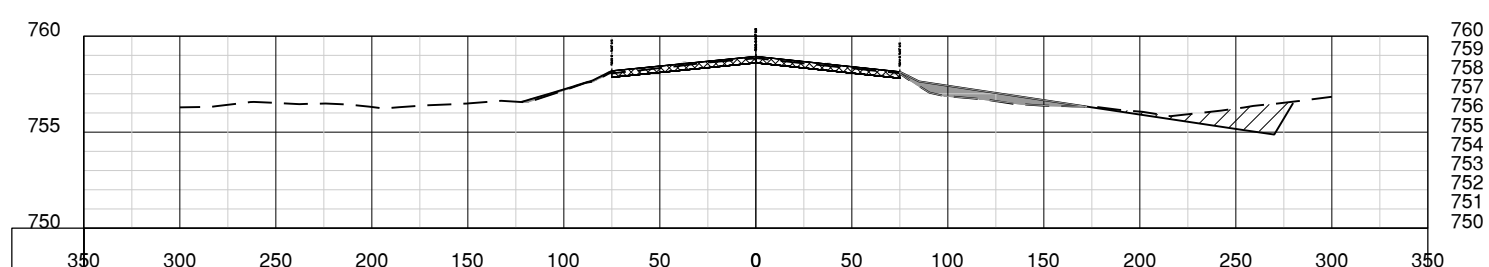
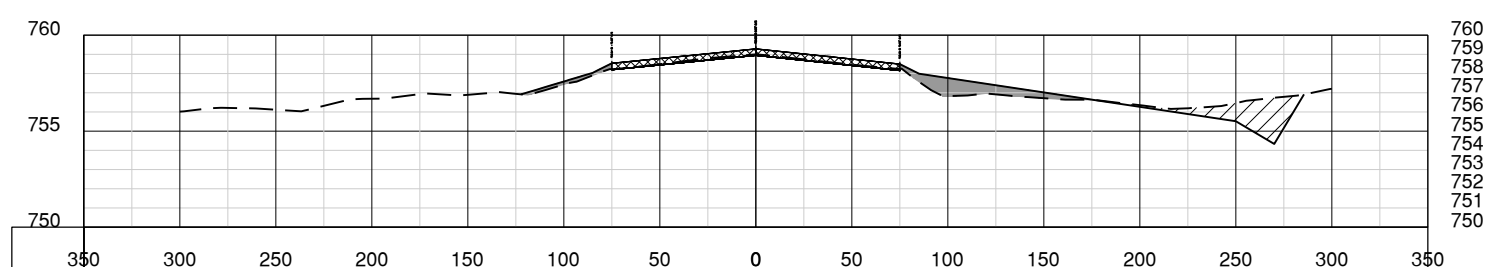
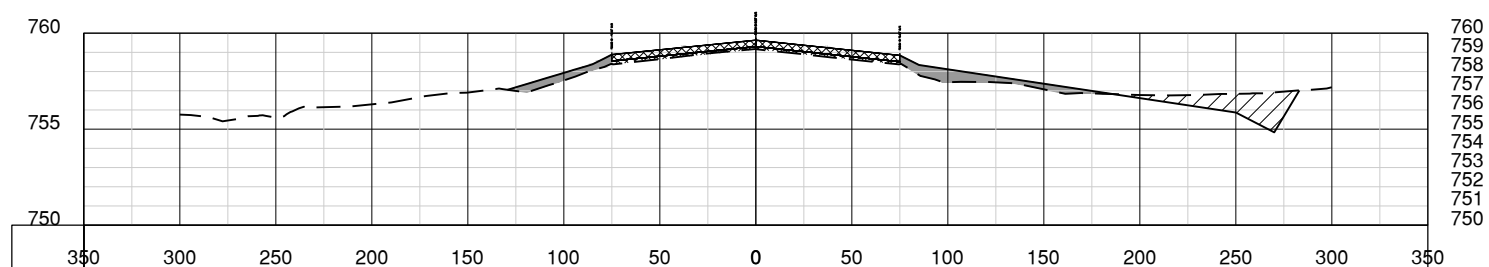
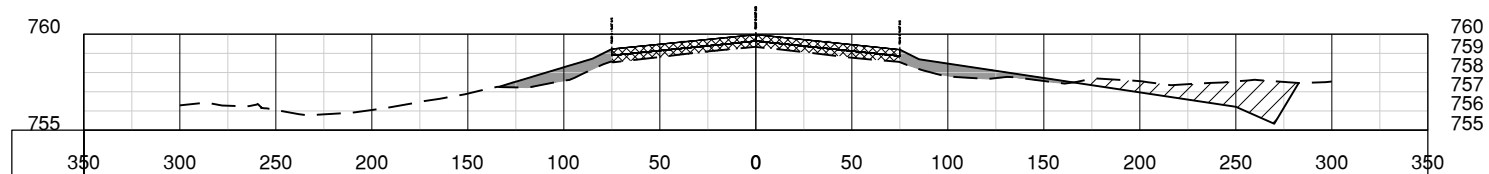
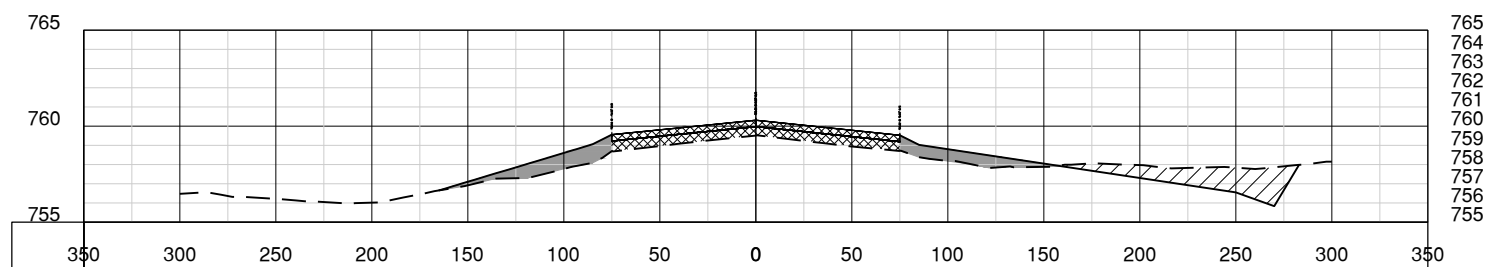
OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION
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IL PROJ. NO:	UIN-4834	
CMT PROJECT NO:	18002001	
CAD DWG FILE:	180020-01 PH1 CG601-422 XSECT.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

SHEET TITLE
**RUNWAY 4-22 CROSS
SECTIONS 1**



FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

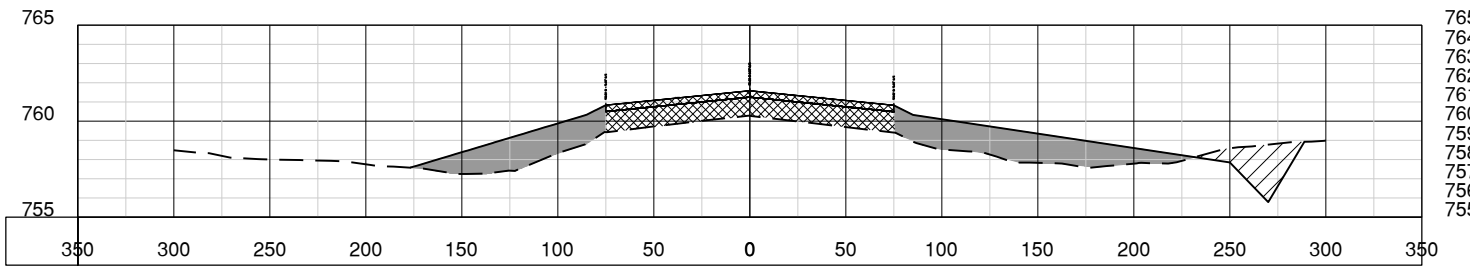
OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0085-XX	Q1063
IL PROJ. NO:	UIN-4834	
CMT PROJECT NO:	18002001	
CAD DWG FILE:	180020-01 PH1 CG601-422 XSECT.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

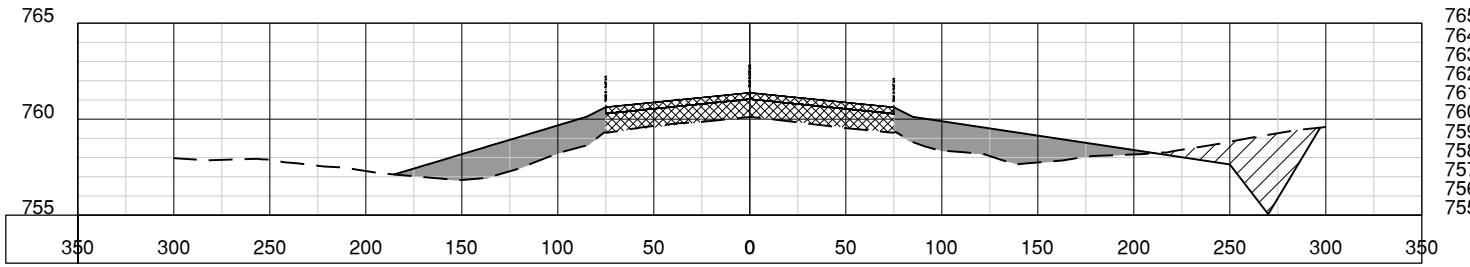
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**RUNWAY 4-22 CROSS
SECTIONS 2**



135
+
00

CUT 73 SF
FILL 320 SF
HMA 204 SF

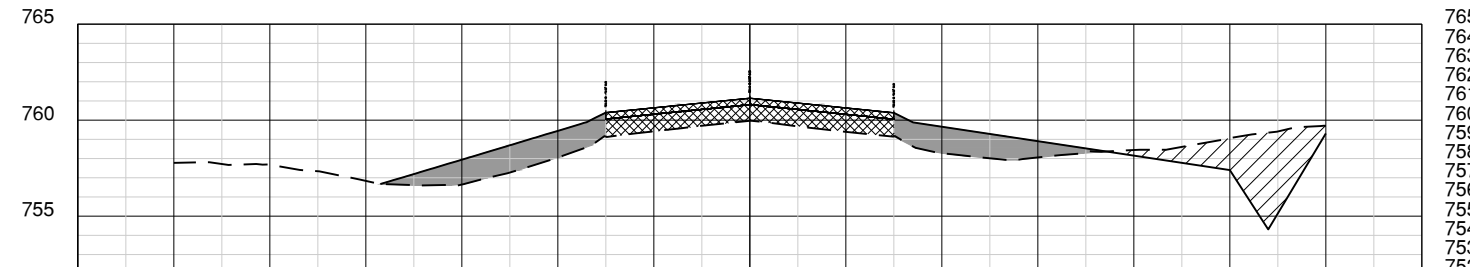
765
764
763
762
761
760
759
758
757
756
755



134
+
50

CUT 131 SF
FILL 286 SF
HMA 194 SF

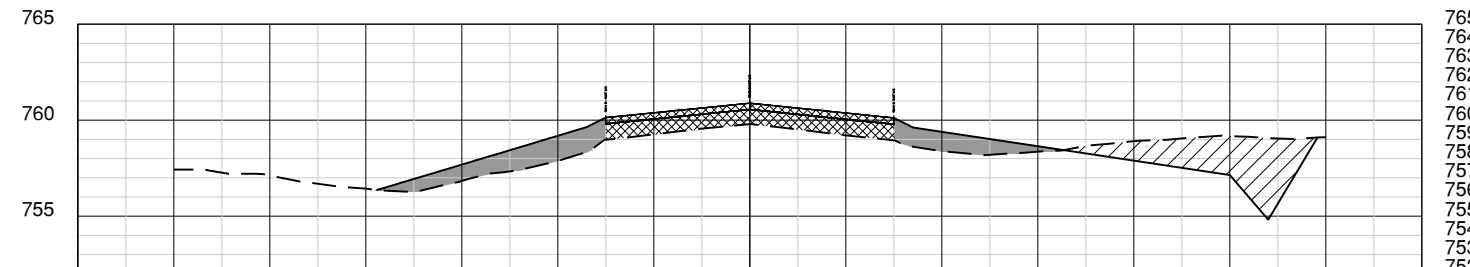
765
764
763
762
761
760
759
758
757
756
755



134
+
00

CUT 197 SF
FILL 239 SF
HMA 183 SF

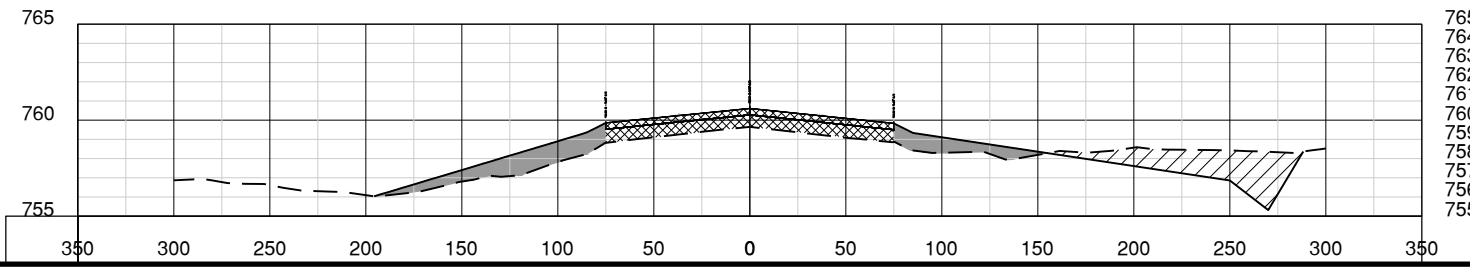
765
764
763
762
761
760
759
758
757
756
755
754
753
752
751
750



133
+
50

CUT 213 SF
FILL 176 SF
HMA 169 SF

765
764
763
762
761
760
759
758
757
756
755
754
753
752
751
750



133
+
00

CUT 155 SF
FILL 142 SF
HMA 148 SF

765
764
763
762
761
760
759
758
757
756
755

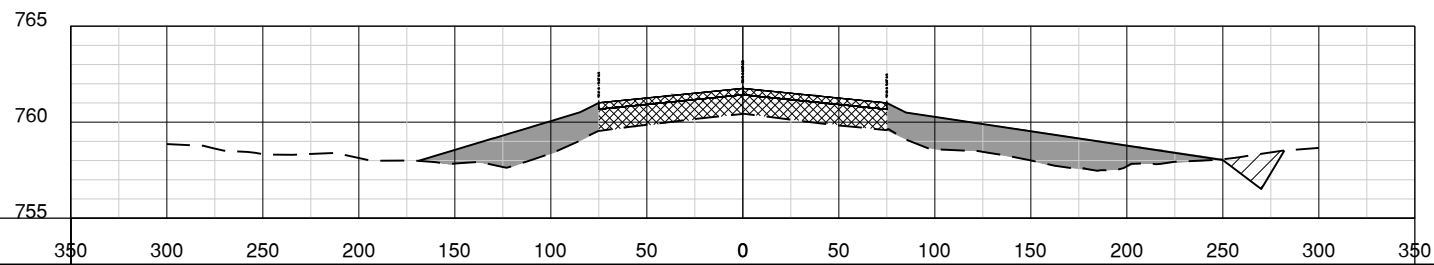
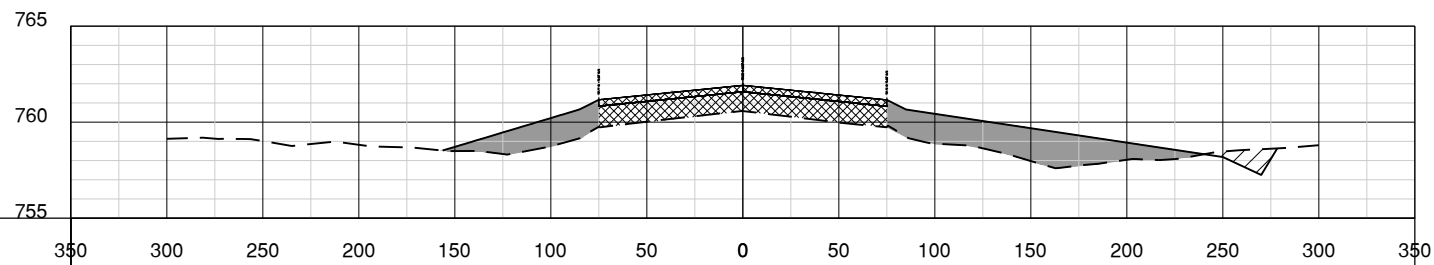
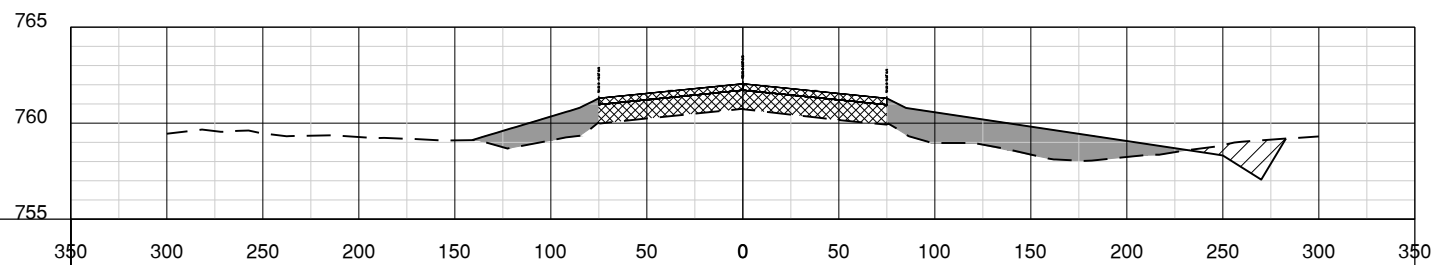
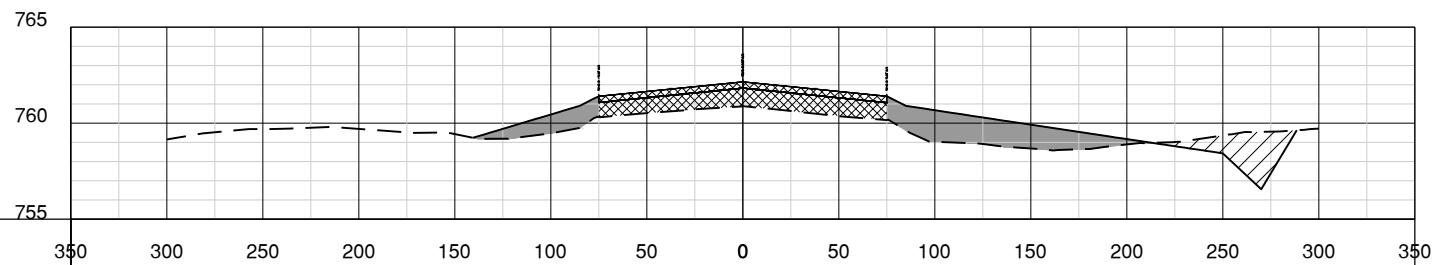
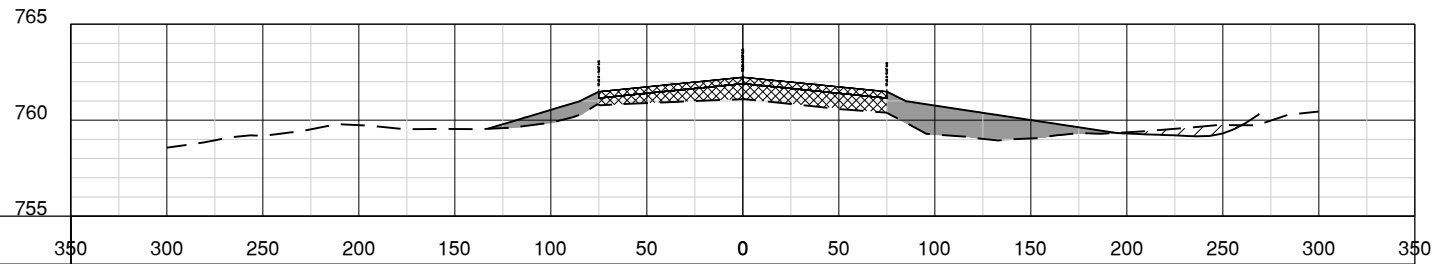
OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION
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IL PROJ. NO:	UIN-4834	
CMT PROJECT NO:	18002001	
CAD DWG FILE:	180020-01 PH1 CG601-422 XSECT.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

SHEET TITLE
**RUNWAY 4-22 CROSS
SECTIONS 3**



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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

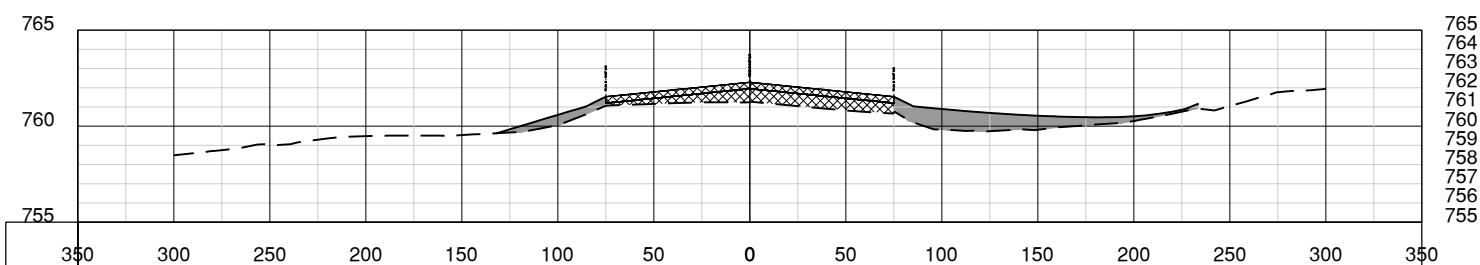
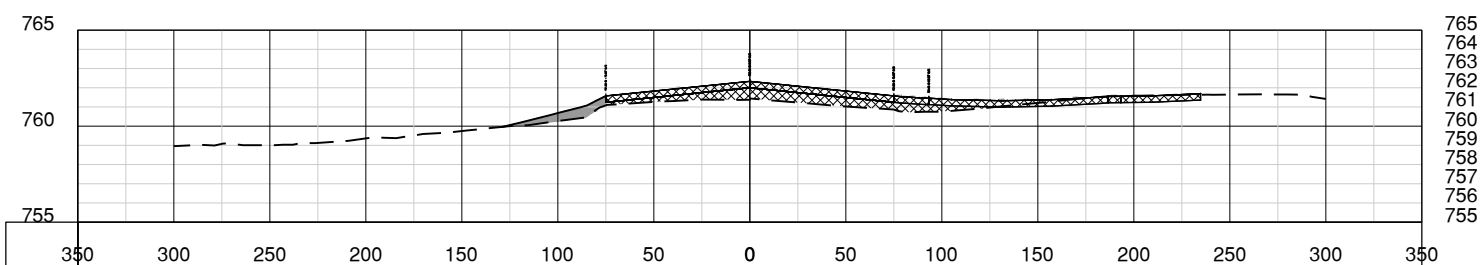
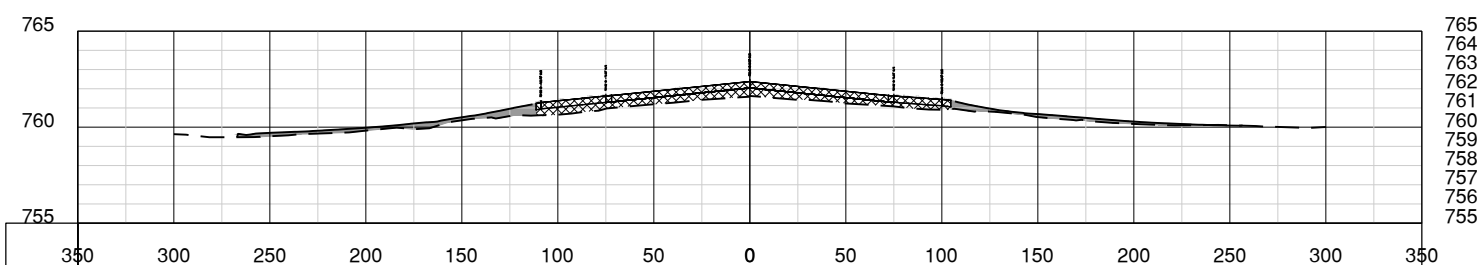
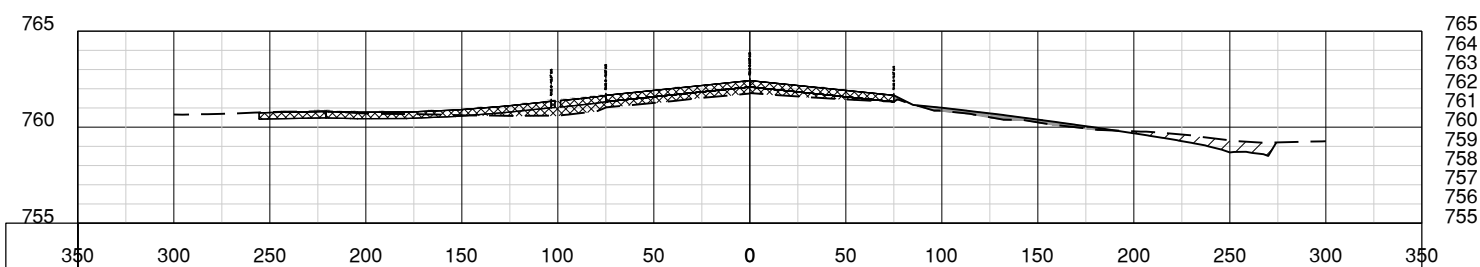
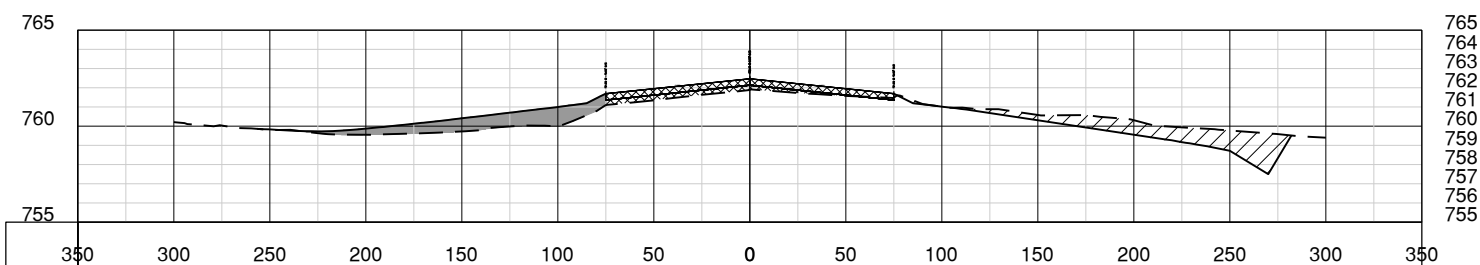
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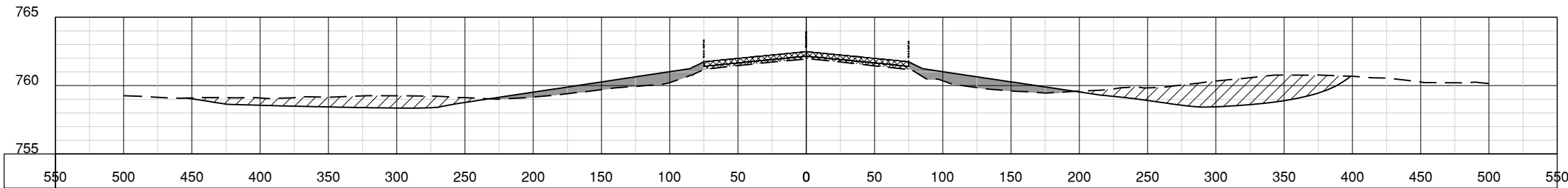


CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

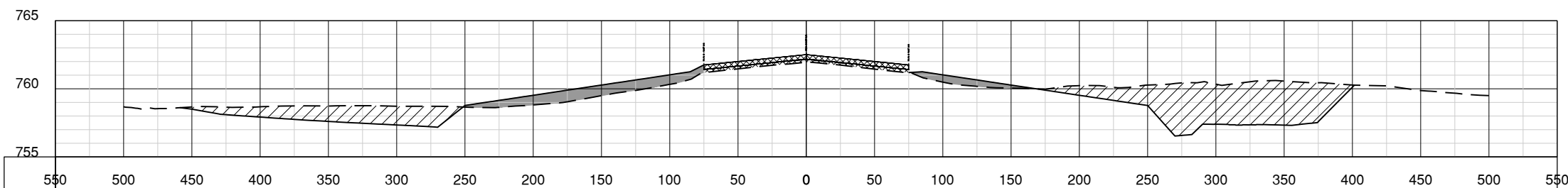
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IL PROJ. NO:	UIN-4834	
CMT PROJECT NO:	18002001	
CAD DWG FILE:	180020-01 PH1 CG601-422 XSECT.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

SHEET TITLE
**RUNWAY 4-22 CROSS
SECTIONS 4**

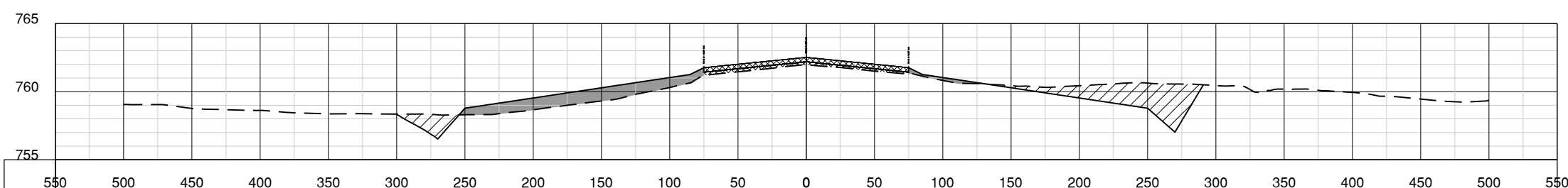




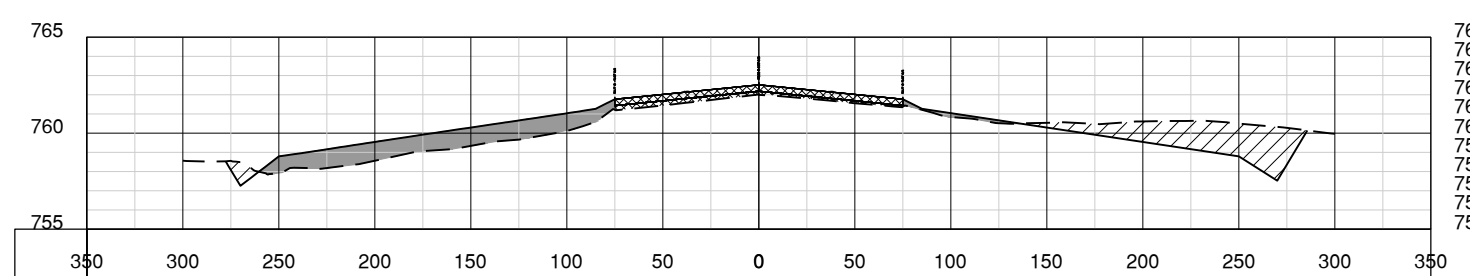
142
+
50
CUT 389 SF
FILL 152 SF
HMA 80 SF



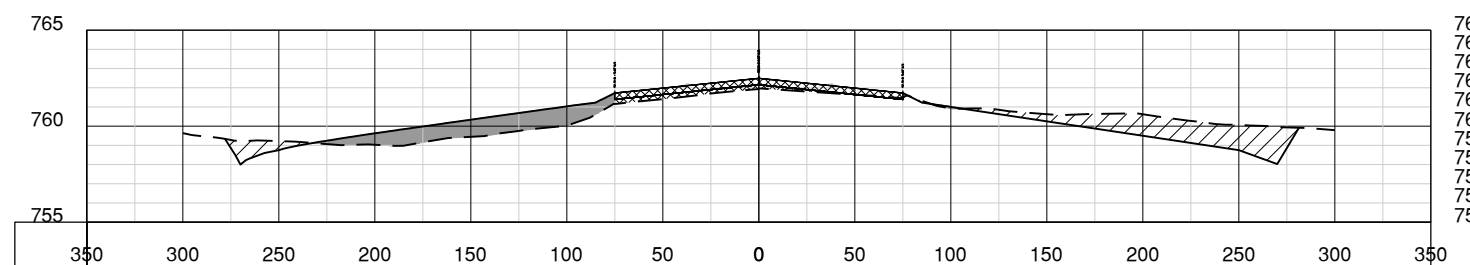
142
+
00
CUT 688 SF
FILL 149 SF
HMA 82 SF



141
+
50
CUT 226 SF
FILL 153 SF
HMA 80 SF



141
+
00
CUT 183 SF
FILL 171 SF
HMA 76 SF



140
+
50
CUT 190 SF
FILL 119 SF
HMA 74 SF

FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION

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IL PROJ. NO: UIN-4834	
CMT PROJECT NO: 18002001	
CAD DWG FILE: 180020-01 PH1 CG601-422 XSECT.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE
**RUNWAY 4-22 CROSS
SECTIONS 5**

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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

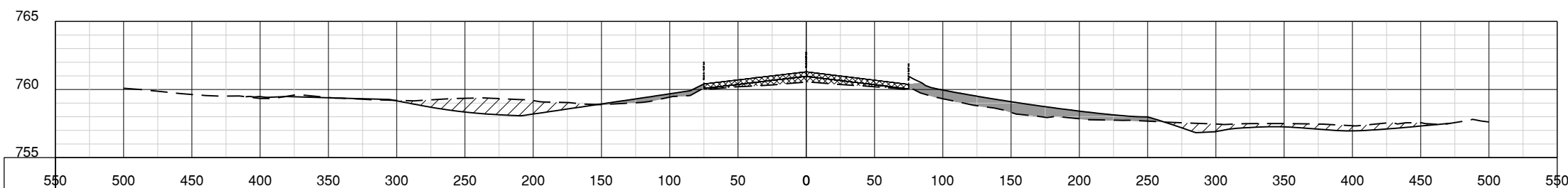
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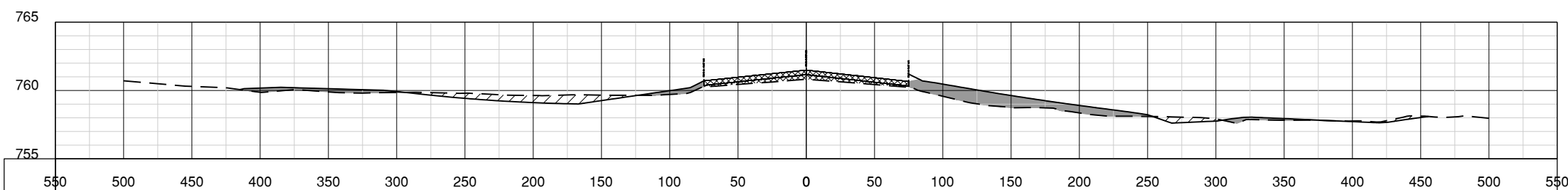
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION
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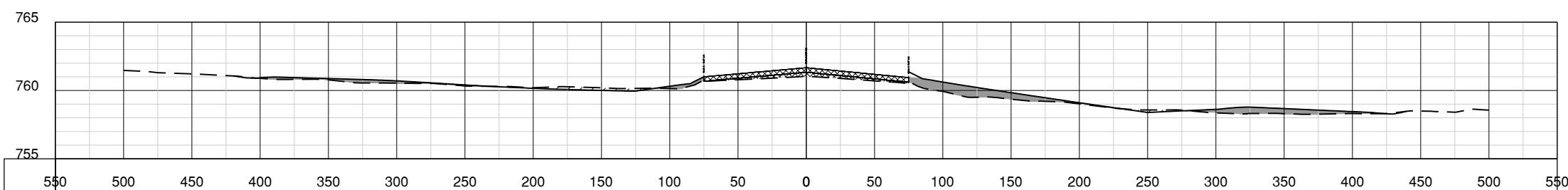
RUNWAY 4-22 CROSS SECTIONS 7



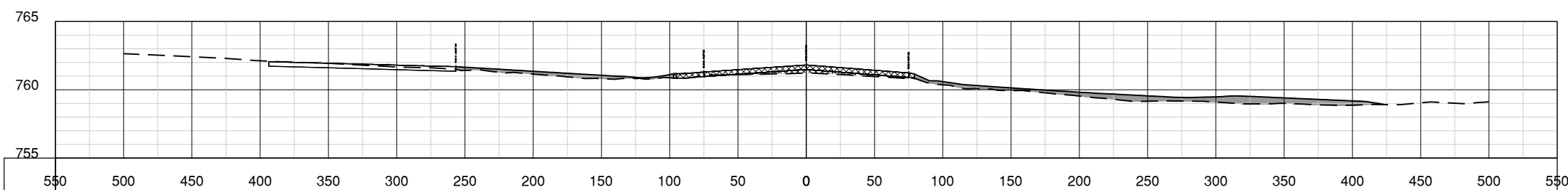
147
+
50
CUT 175 SF
FILL 126 SF
HMA 86 SF



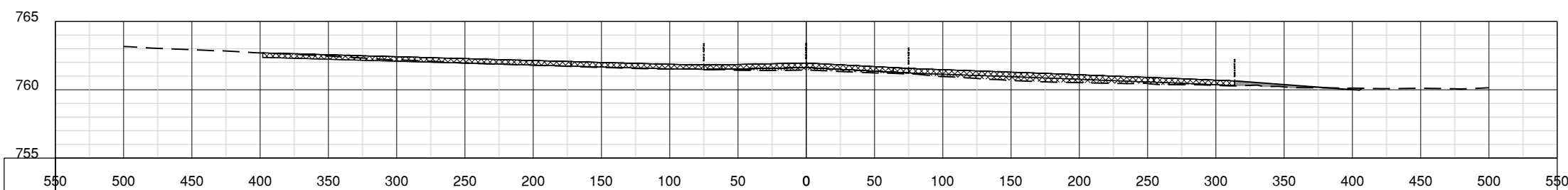
147
+
00
CUT 87 SF
FILL 167 SF
HMA 83 SF



146
+
50
CUT 21 SF
FILL 128 SF
HMA 75 SF



146
+
00
CUT 0 SF
FILL 140 SF
HMA 77 SF



145
+
50
CUT 2 SF
FILL 12 SF
HMA 303 SF

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FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER

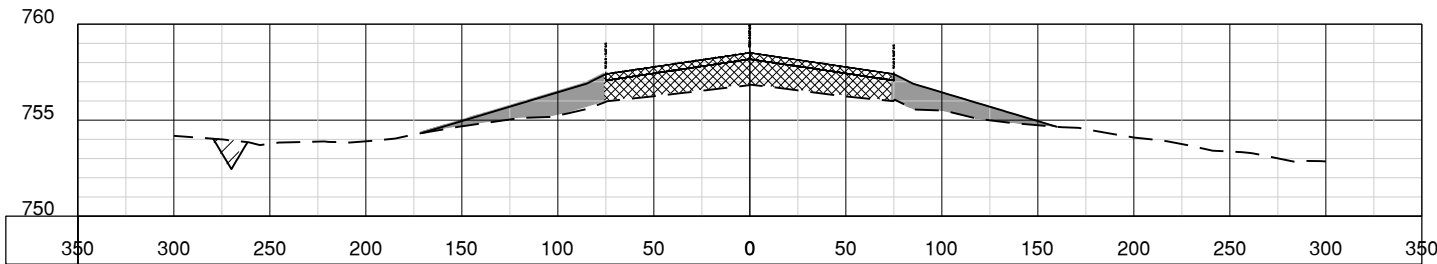


CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

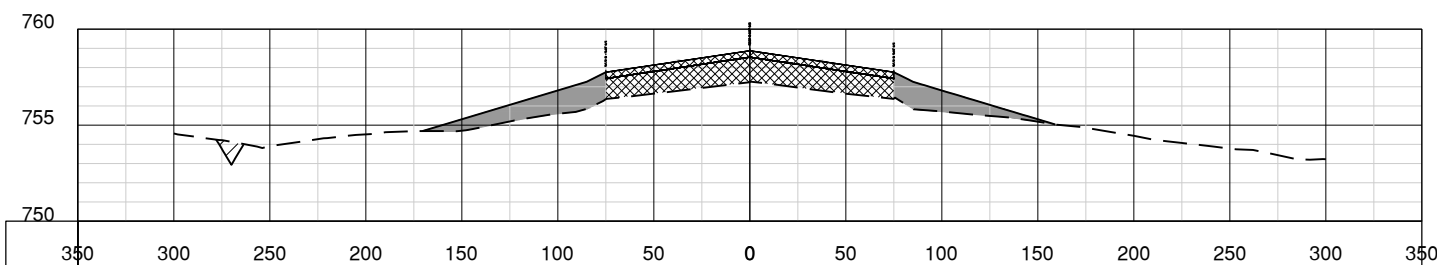
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DESIGNED BY:	HWI	
DRAWN BY:	DPA	
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APPROVED BY:	RLV	
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SHEET TITLE
**RUNWAY 4-22 CROSS
SECTIONS 9**

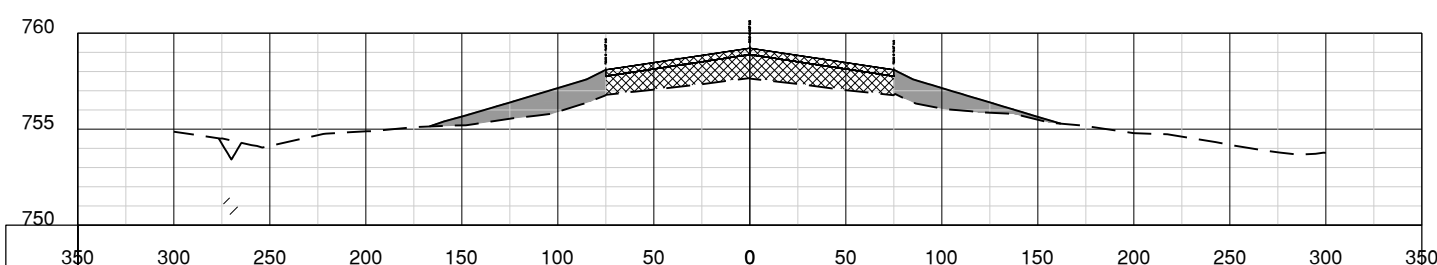
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SHEET **85** OF **93**



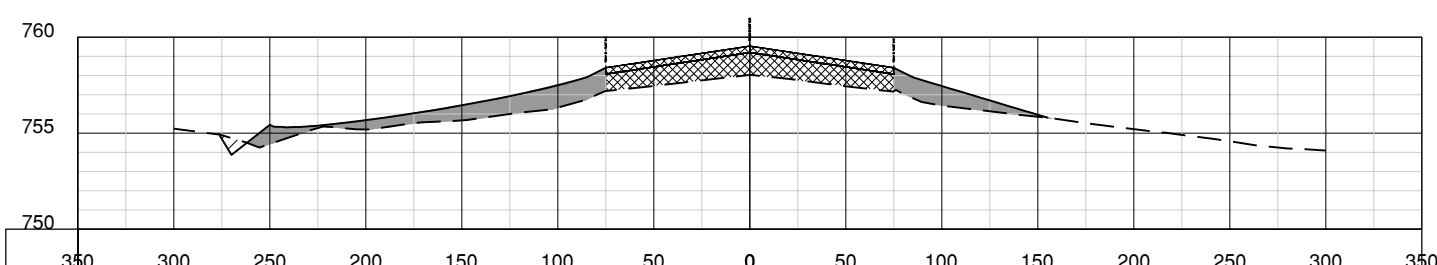
152
+
50
CUT 13 SF
FILL 134 SF
HMA 233 SF



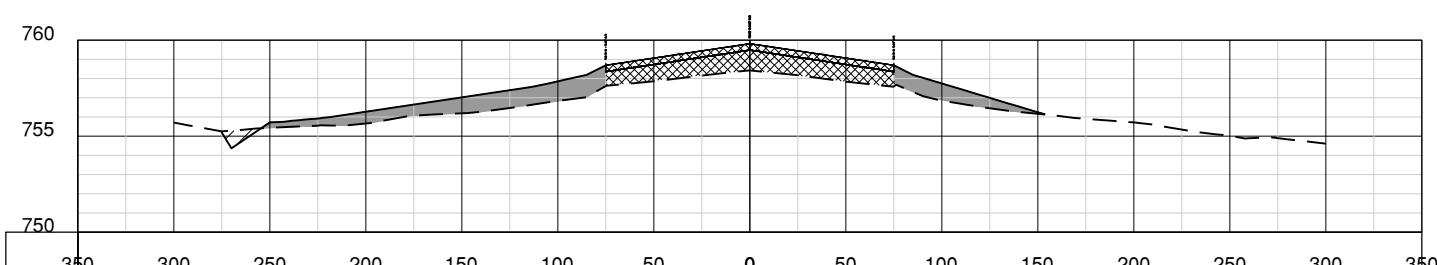
152
+
00
CUT 9 SF
FILL 148 SF
HMA 227 SF



151
+
50
CUT 6 SF
FILL 137 SF
HMA 216 SF



151
+
00
CUT 6 SF
FILL 190 SF
HMA 204 SF



150
+
50
CUT 10 SF
FILL 177 SF
HMA 187 SF

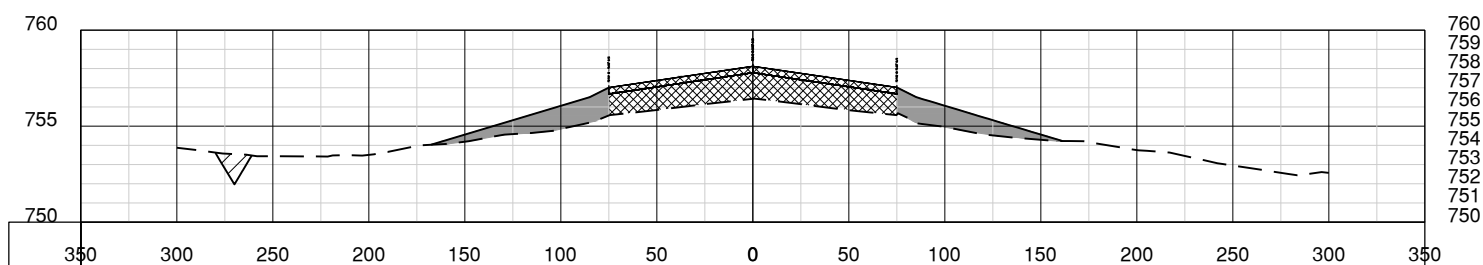
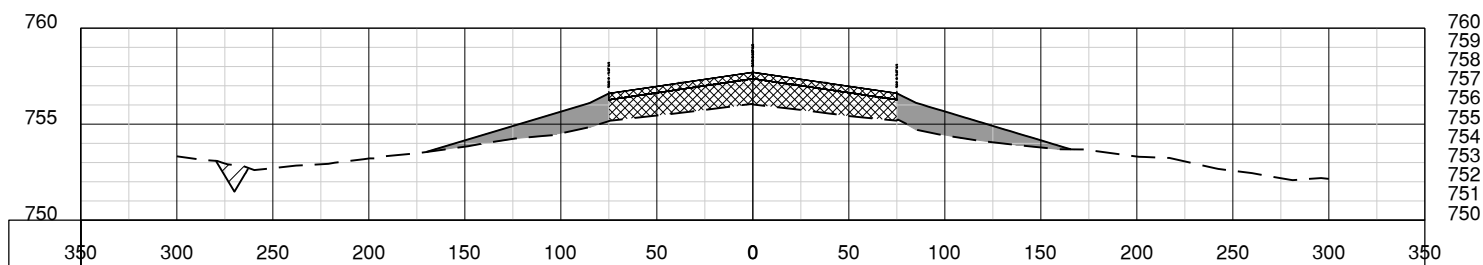
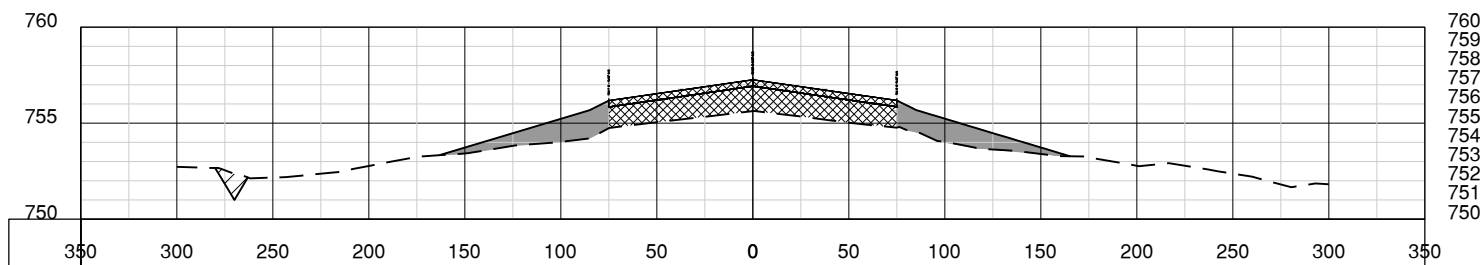
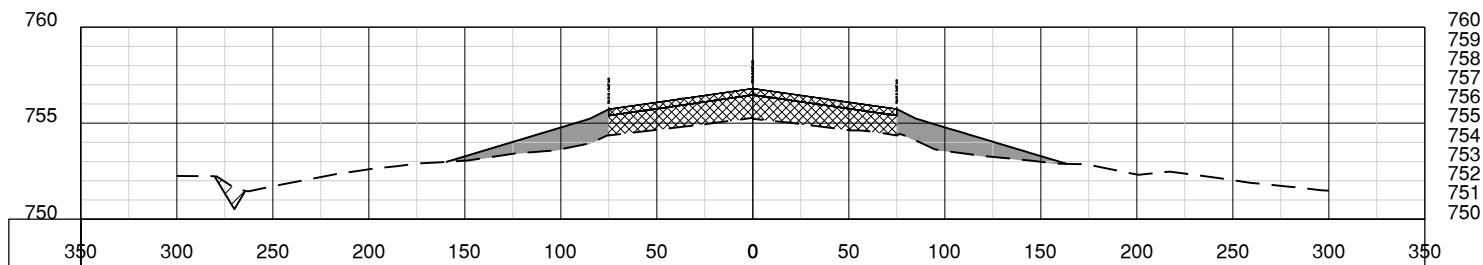
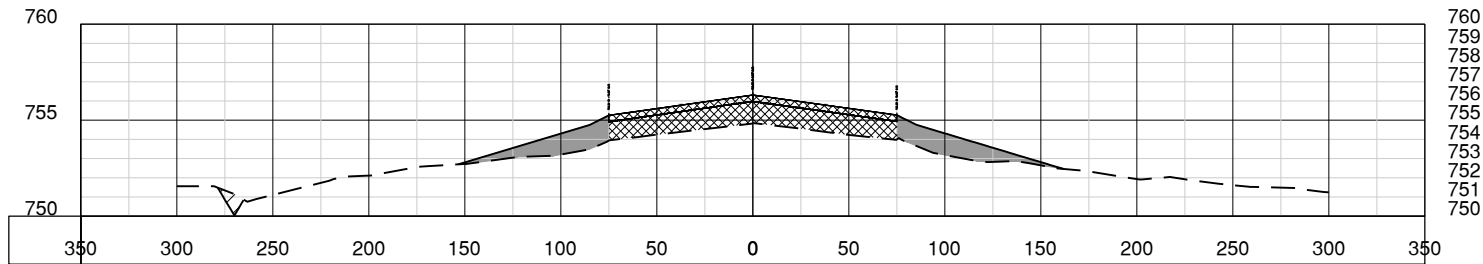
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FINAL SUBMITTAL
NOVEMBER 20, 2020RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

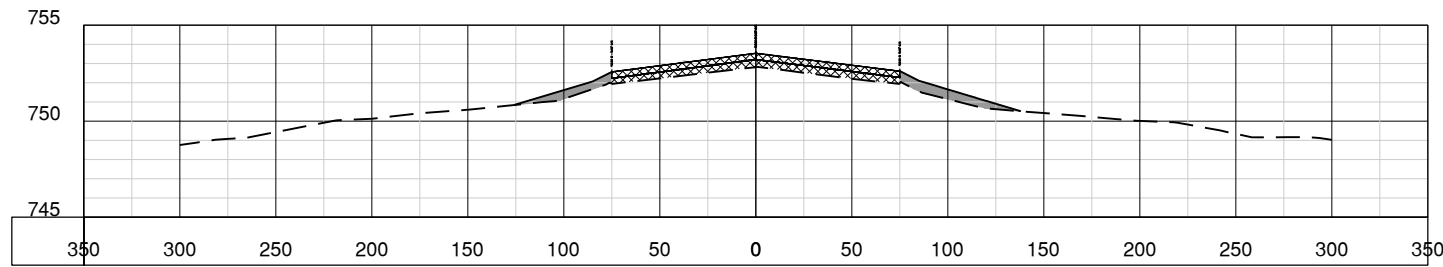
OWNER

CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0085-XX	Q1063
IL PROJ. NO:	UIN-4834	
CMT PROJECT NO:	18002001	
CAD DWG FILE:	180020-01 PH1 CG601-422 XSECT.DWG	
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DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

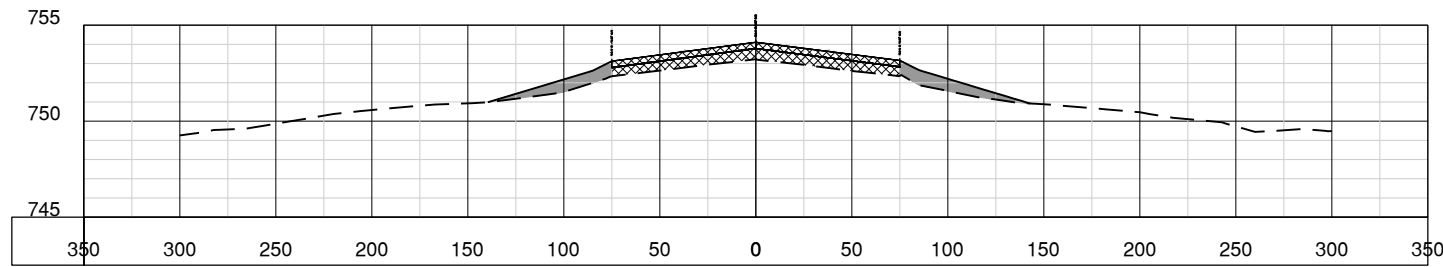
SHEET TITLE
**RUNWAY 4-22 CROSS
SECTIONS 10**CG610
SHEET 86 OF 93

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Date: Monday, December 7, 2020 9:16:19 AM



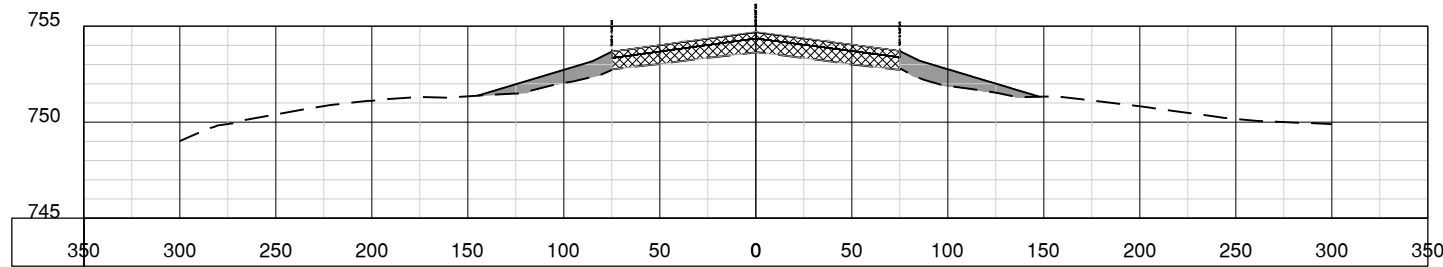
157
+
50

CUT 0 SF
FILL 43 SF
HMA 106 SF



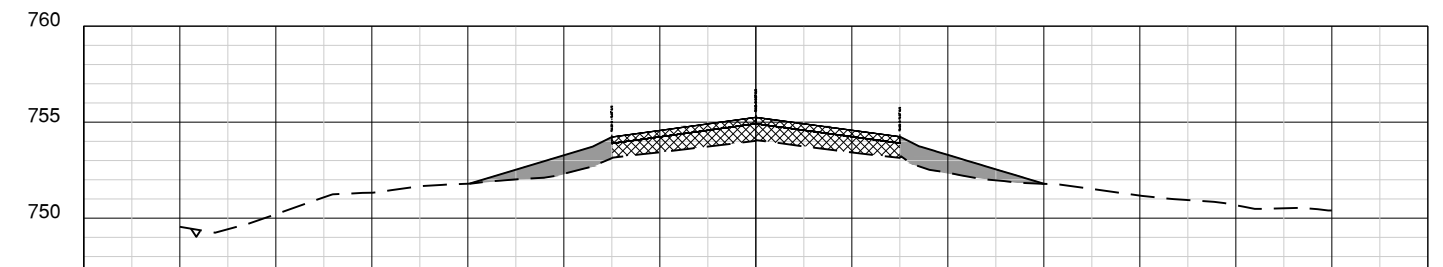
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CUT 0 SF
FILL 104 SF
HMA 175 SF



155
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CUT 0 SF
FILL 114 SF
HMA 193 SF



License No. 184-000613

CONSULTANTS

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RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

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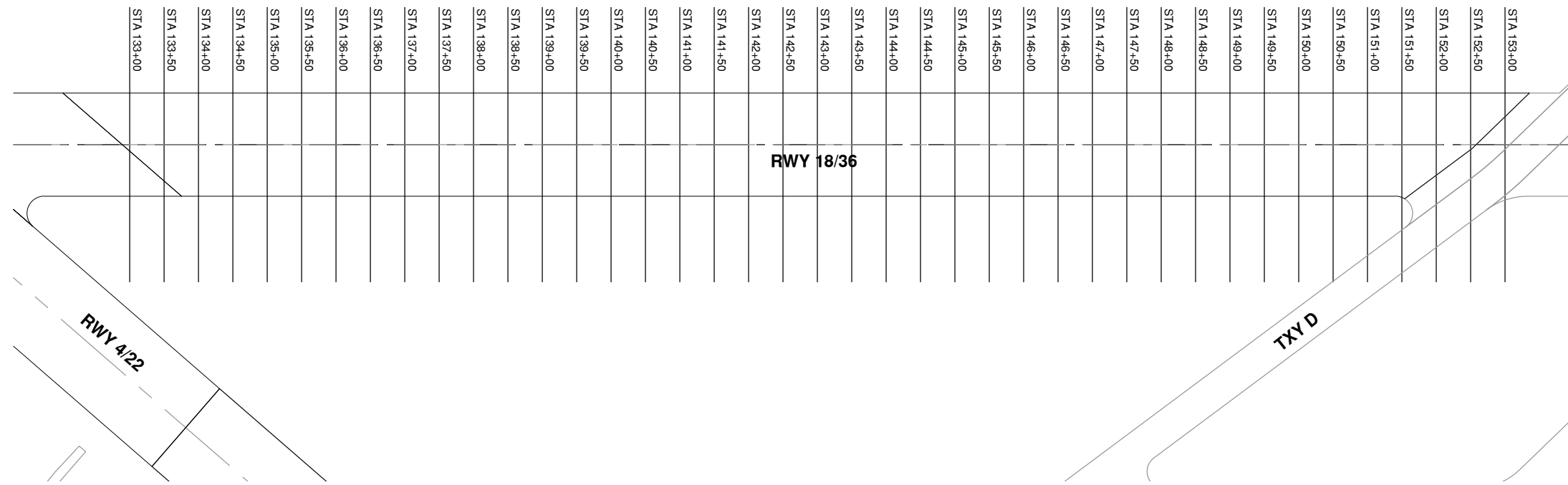
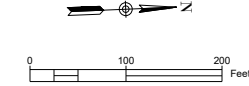


CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

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CMT PROJECT NO: 18002001		
CAD DWG FILE: 180020-01 PH1 CG601-422 XSECT.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: RLV		
COPYRIGHT:		

SHEET TITLE
**RUNWAY 4-22 CROSS
SECTIONS 11**

CG611
SHEET 87 OF 93



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RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

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CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

SECTION LEGEND

- EX. GROUND
- FINAL GROUND
- EX. HMA
- EX. PCC
- EX. BASE
- CUT
- FILL
- HMA OVERLAY

MARK	DATE	DESCRIPTION
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CMT PROJECT NO: 18002001		
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DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: RLV		
COPYRIGHT:		

SHEET TITLE
**RUNWAY 18-36
CROSS SECTION
INDEX**

FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



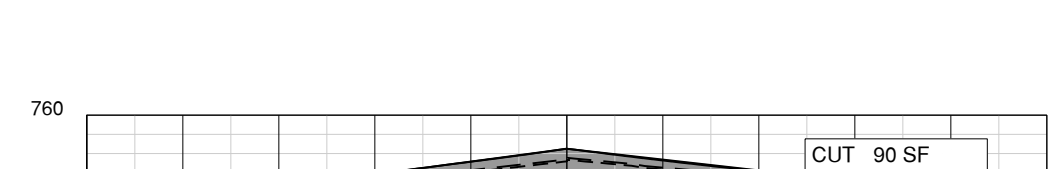
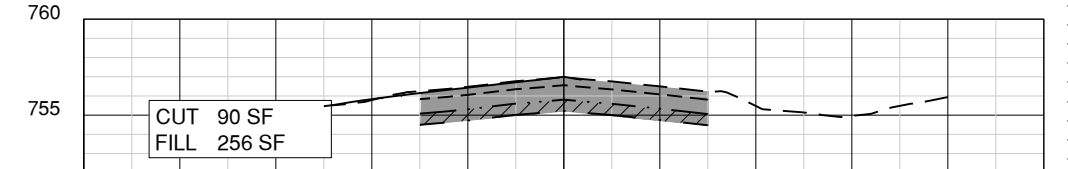
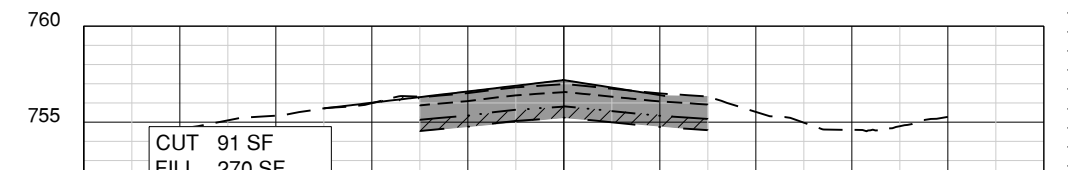
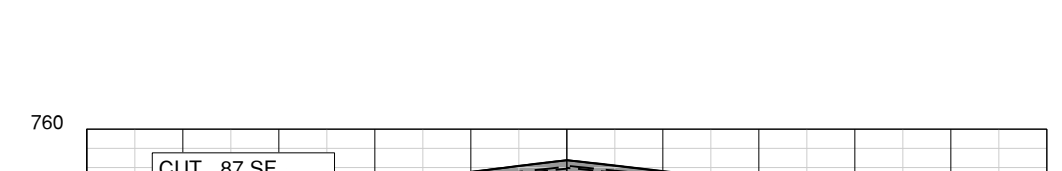
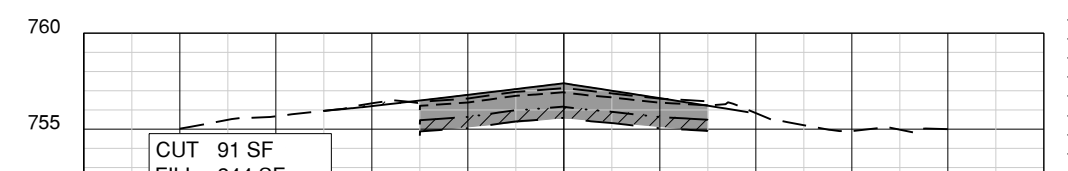
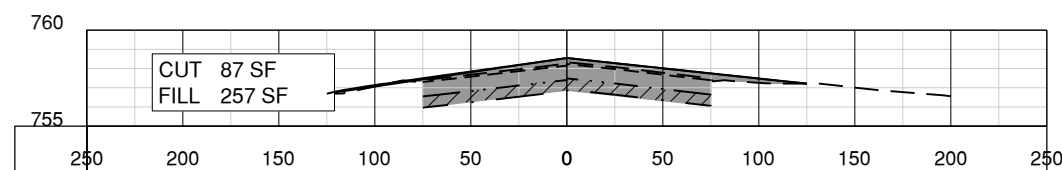
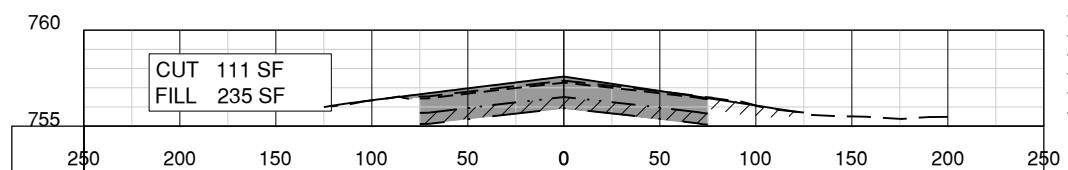
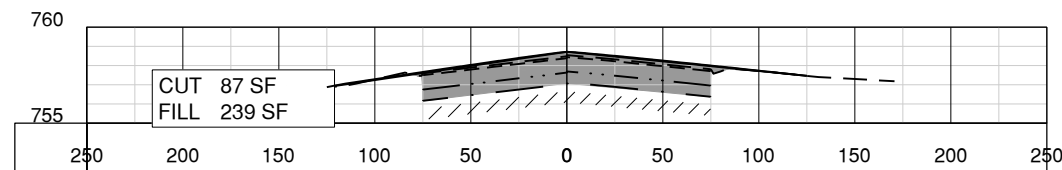
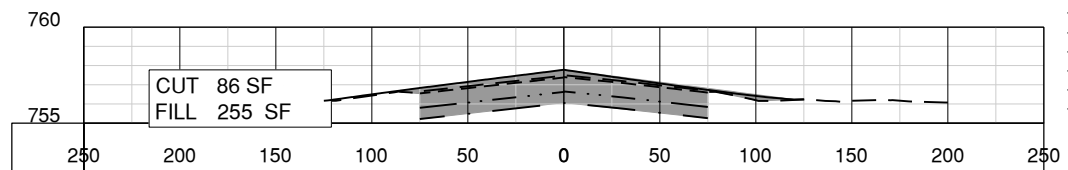
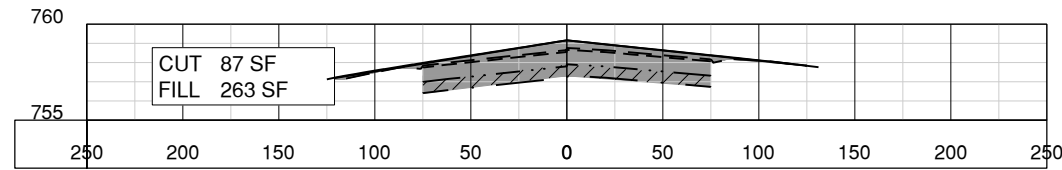
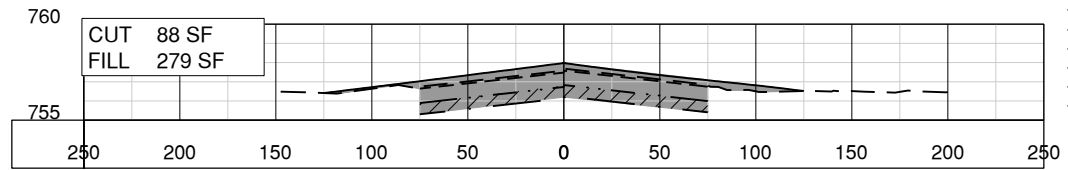
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

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DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE
**RUNWAY 18-36
CROSS SECTIONS 1**

CG701
SHEET 90 OF 93



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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



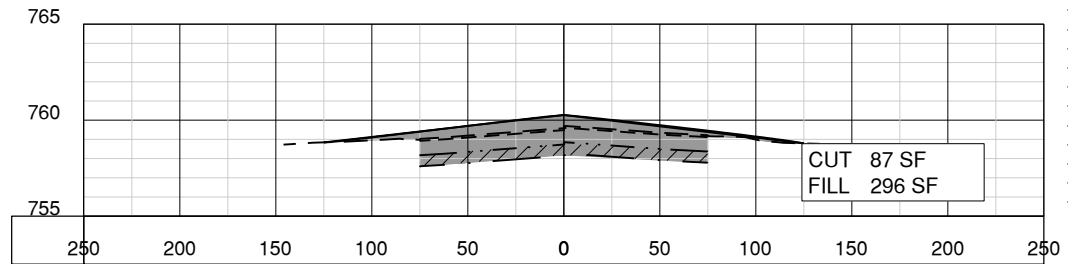
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QUINCY REGIONAL AIRPORT
QUINCY, IL

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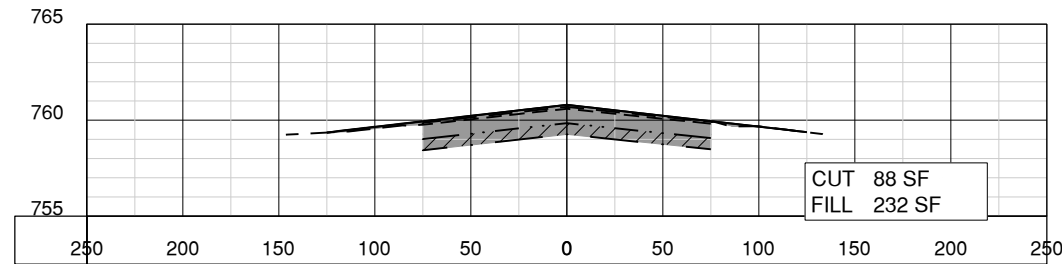
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SHEET TITLE
**RUNWAY 18-36
CROSS SECTIONS 2**

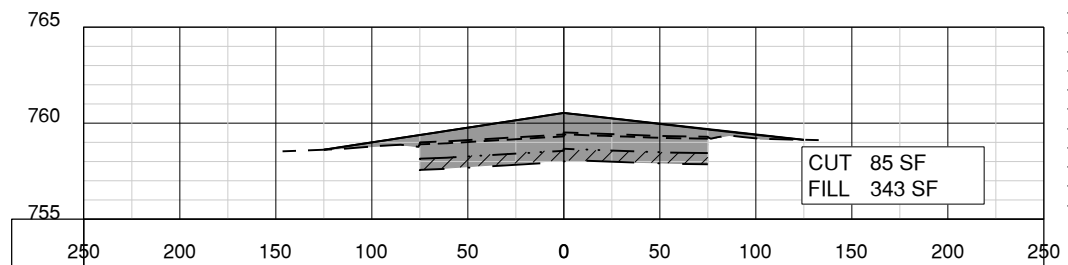
CG702
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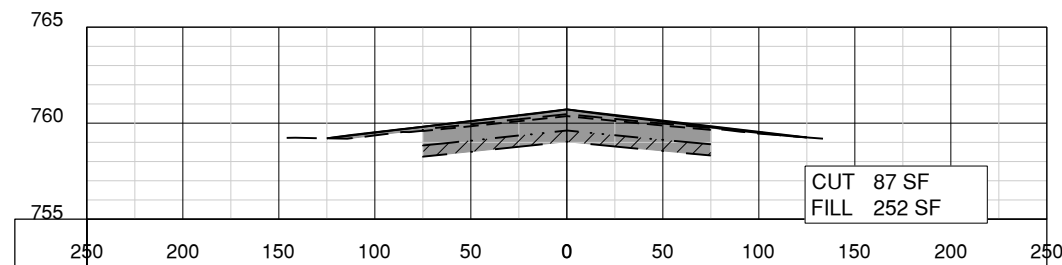
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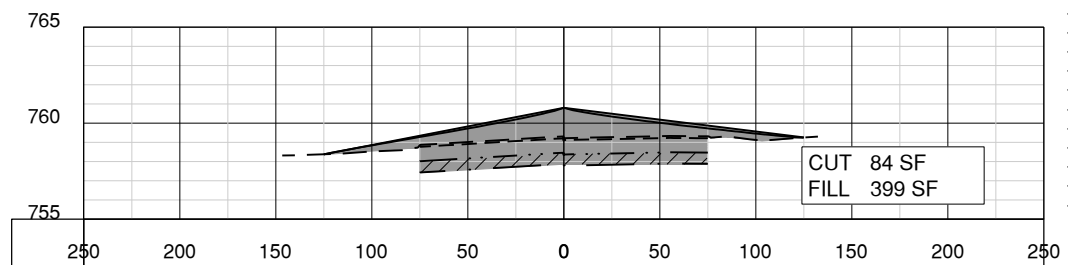
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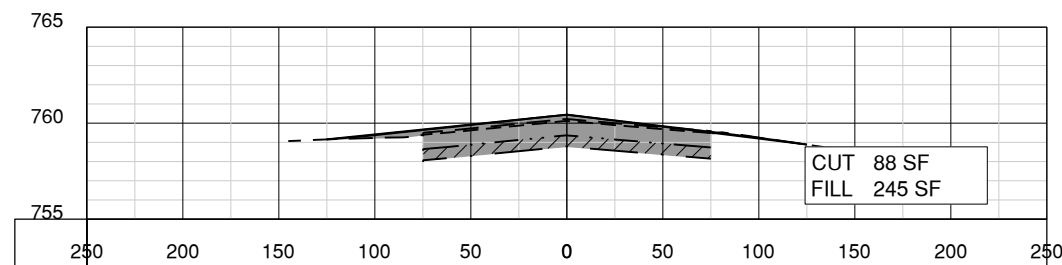
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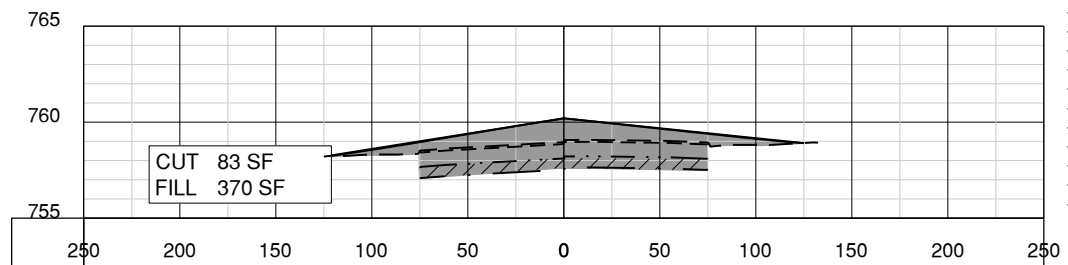
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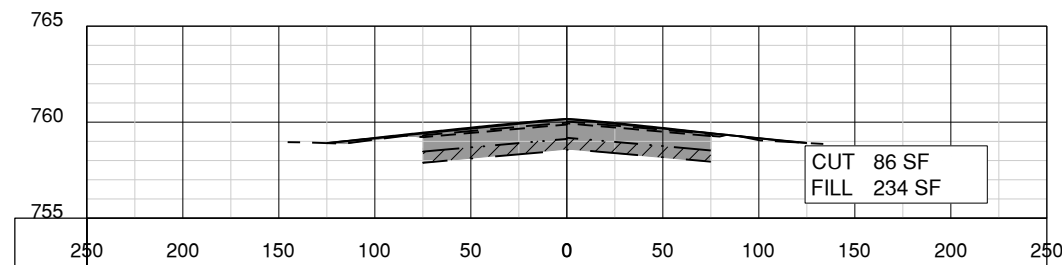
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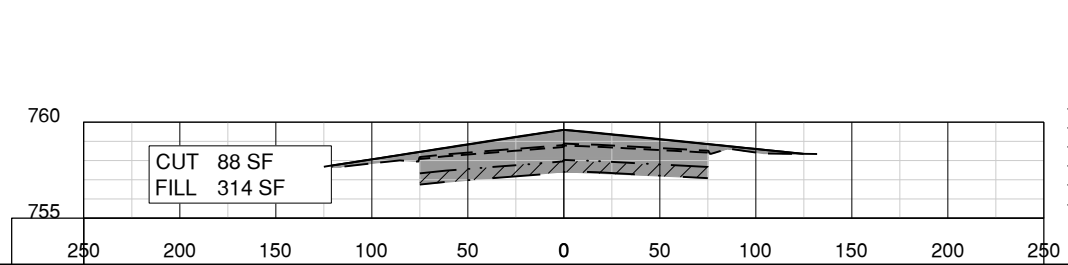
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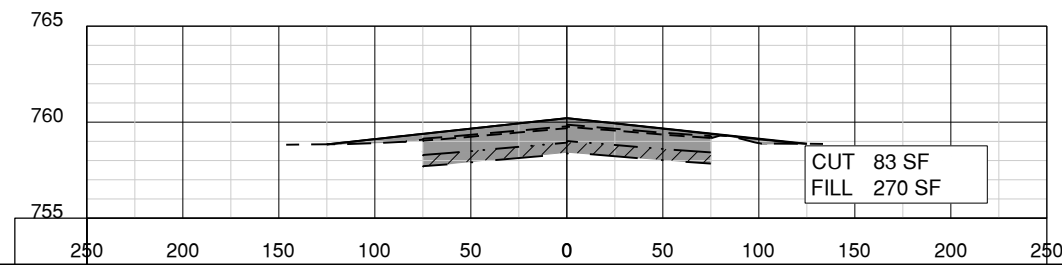
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FINAL SUBMITTAL
NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



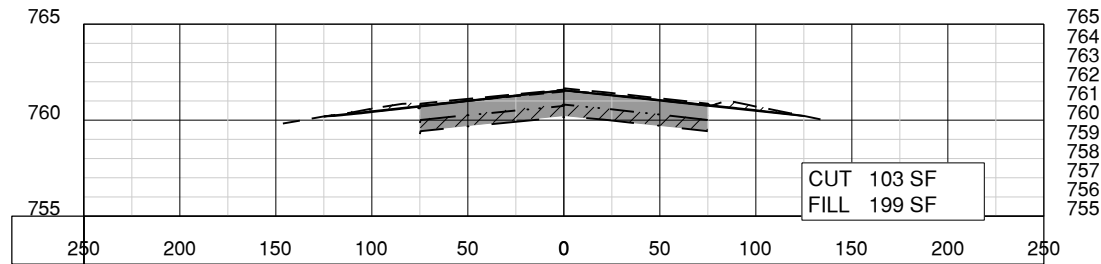
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

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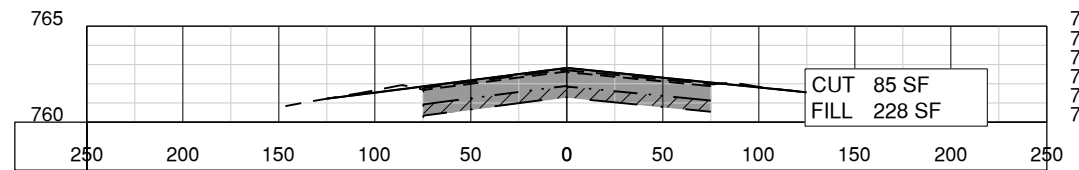
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DESIGNED BY: HWI	
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CHECKED BY: MJD	
APPROVED BY: RLV	
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SHEET TITLE
**RUNWAY 18-36
CROSS SECTIONS 3**

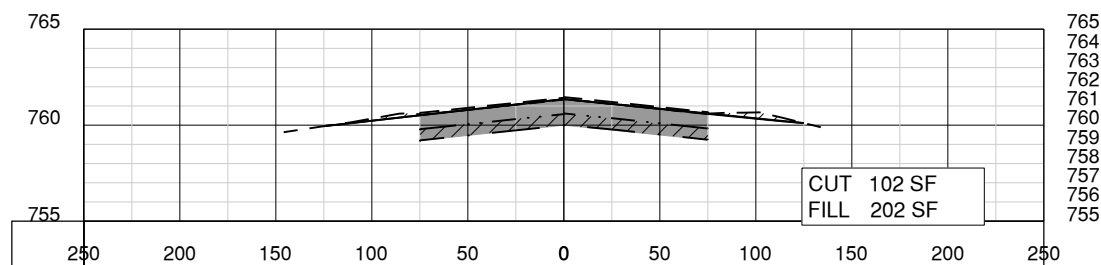
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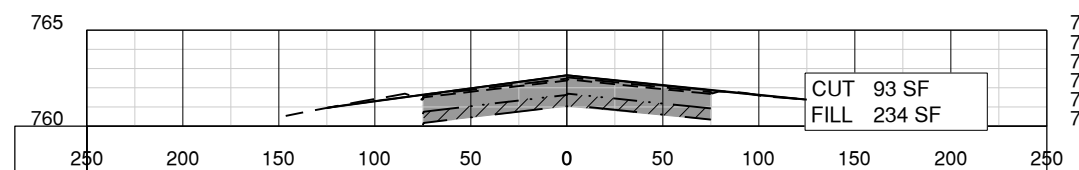
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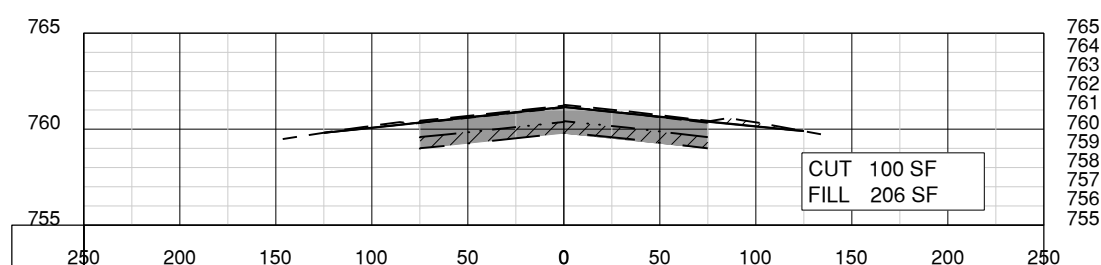
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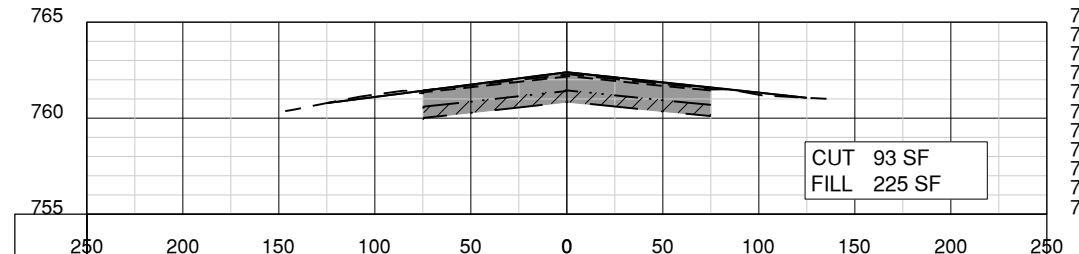
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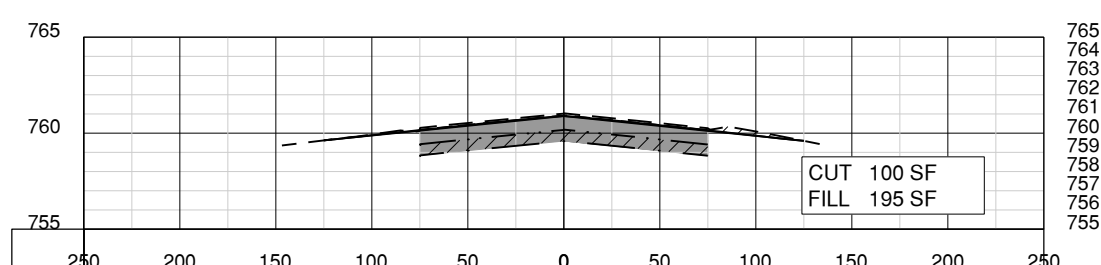
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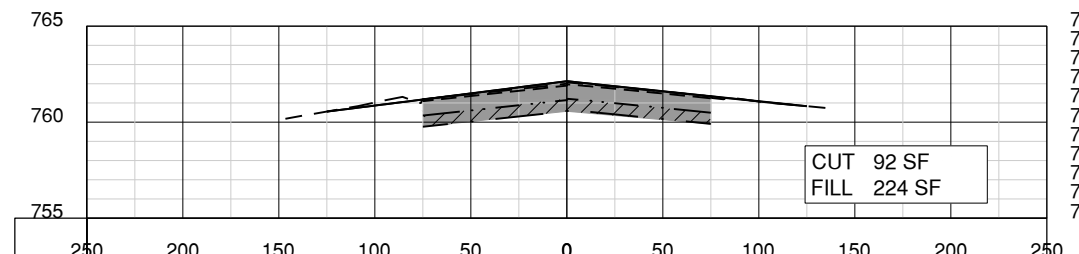
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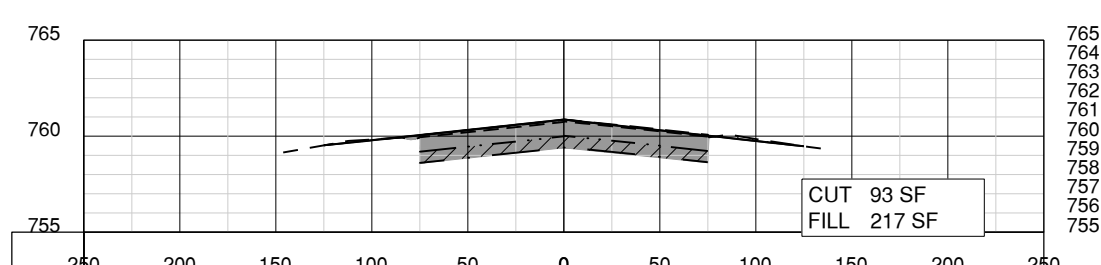
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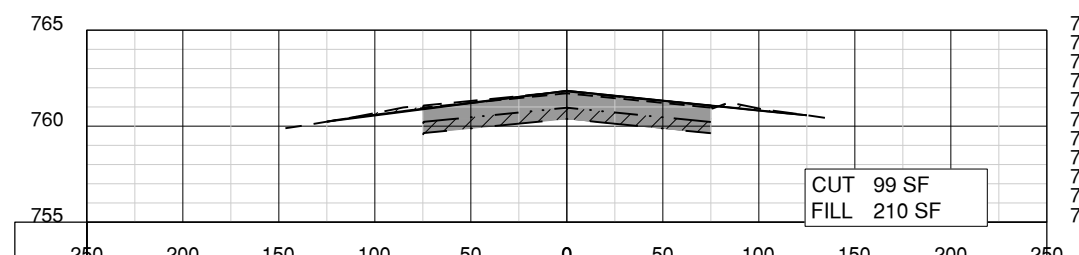
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NOVEMBER 20, 2020

RECONSTRUCT RUNWAY 4/22,
PHASE 1 (CONSTRUCTION)

OWNER



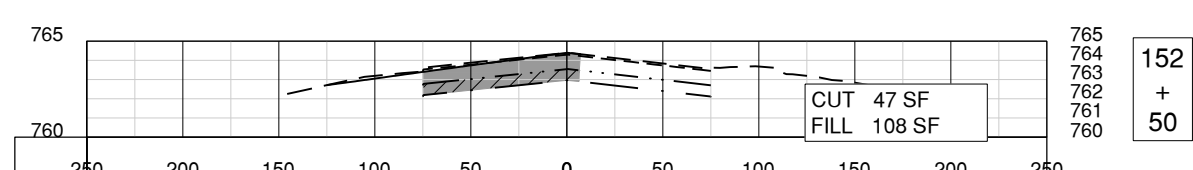
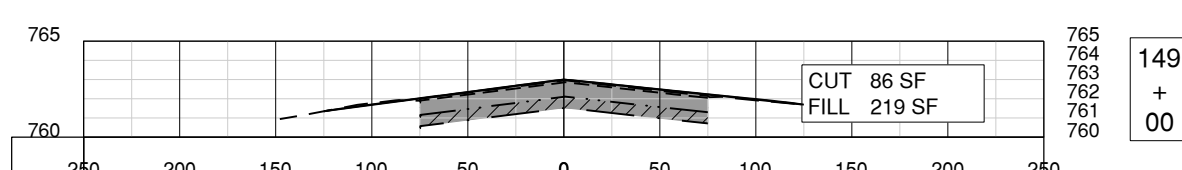
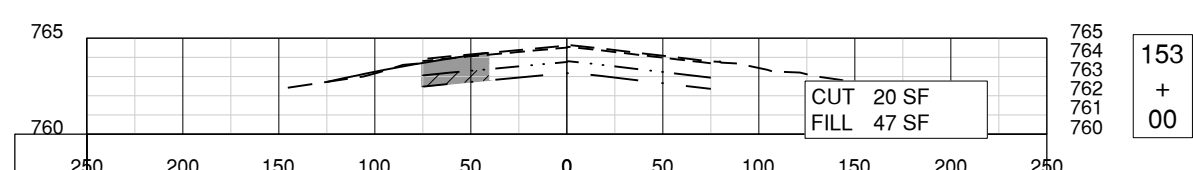
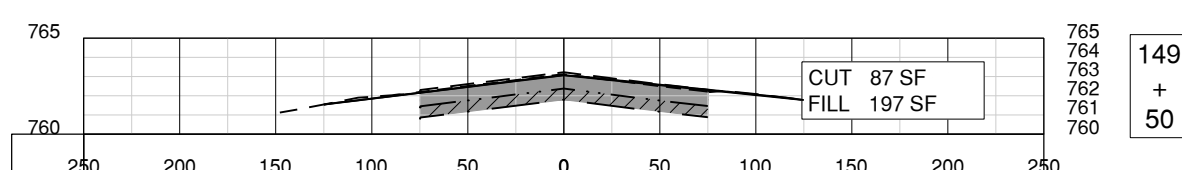
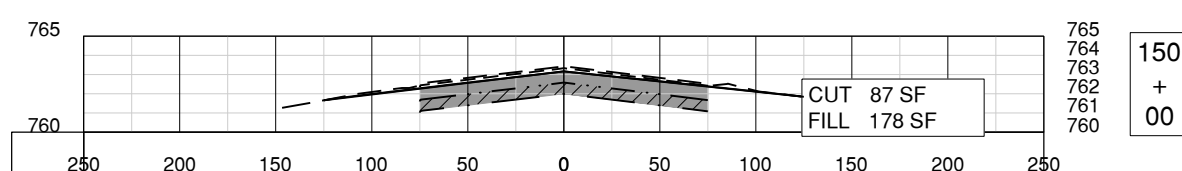
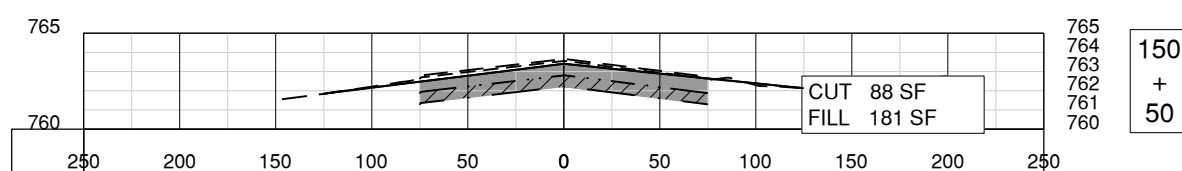
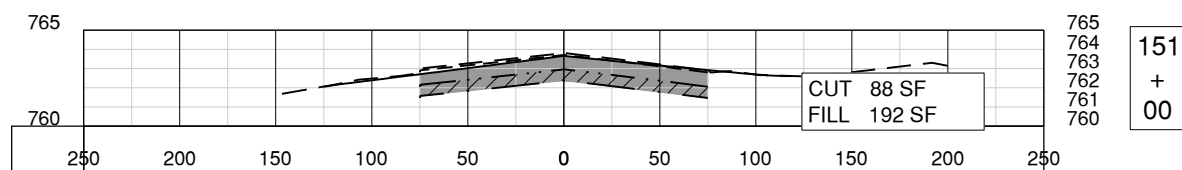
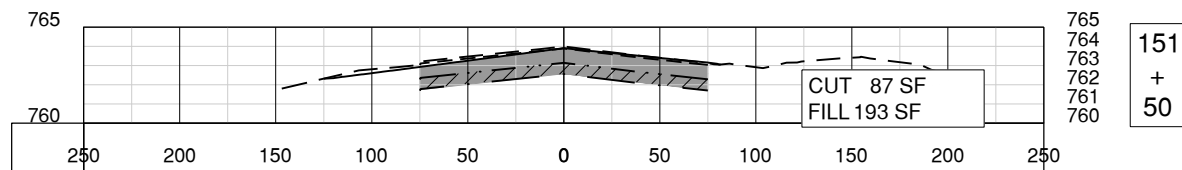
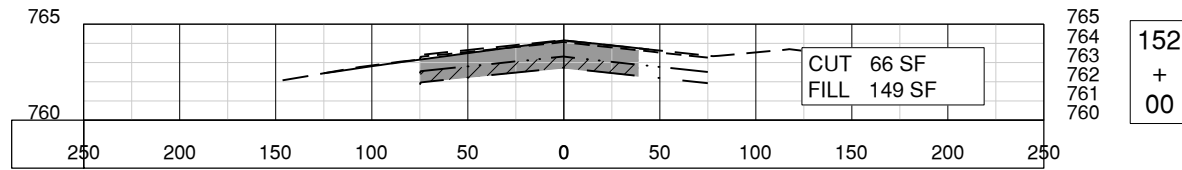
CITY OF QUINCY
QUINCY REGIONAL AIRPORT
QUINCY, IL

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COPYRIGHT:	

SHEET TITLE
**RUNWAY 18-36
CROSS SECTIONS 4**

CG704
SHEET 93 OF 93



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