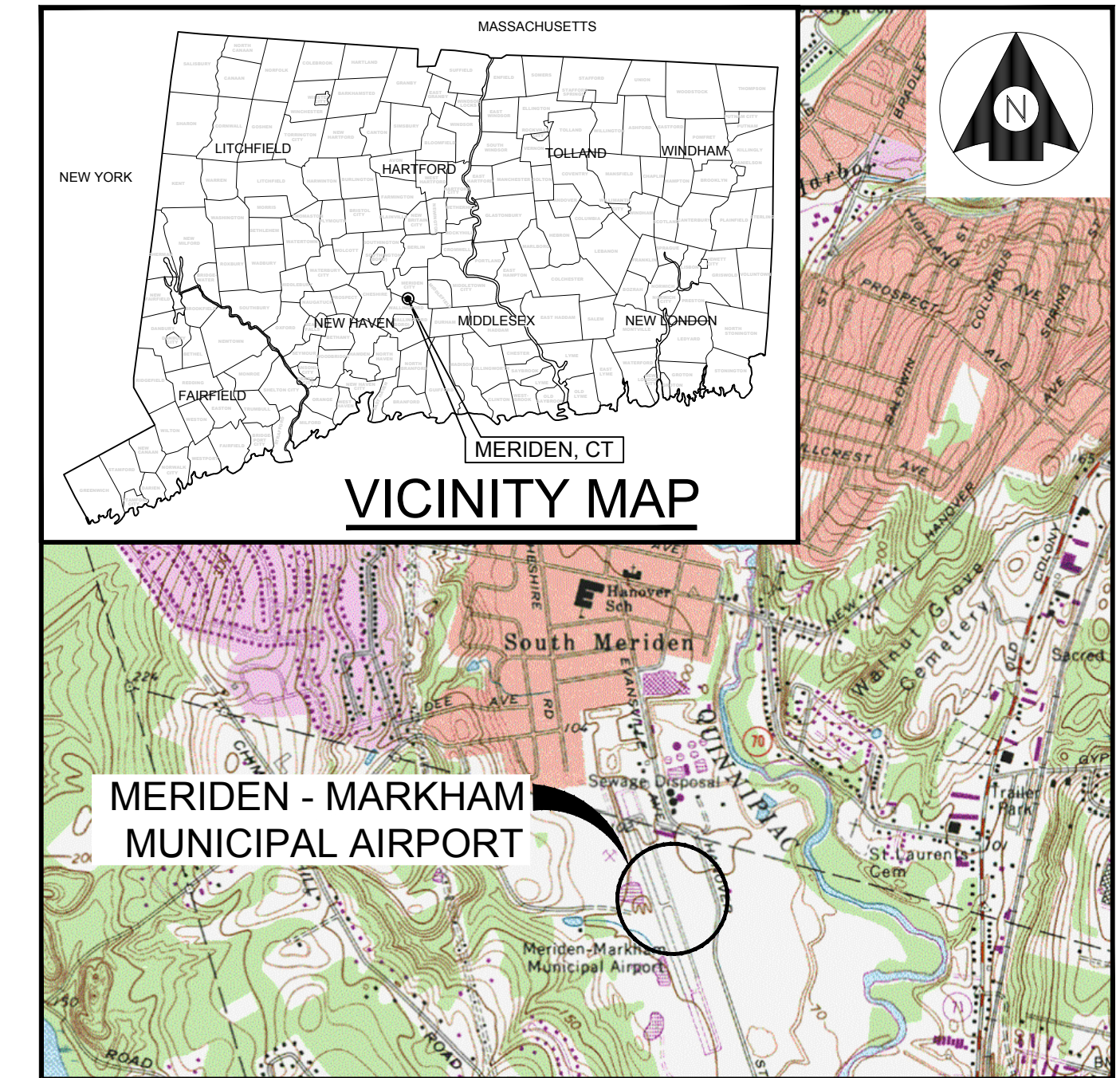




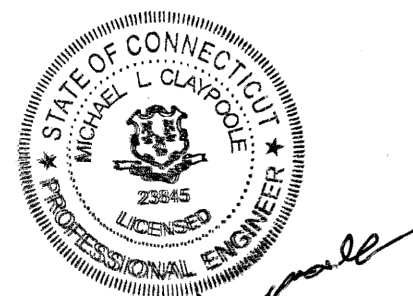
# Meriden-Markham Municipal Airport City of Meriden, Connecticut

Contract Plans For:

## RUNWAY 18-36 REHABILITATION



**PROJECT LOCATION MAP**  
NOT TO SCALE



City of Meriden Contract No. B021-33  
FAA AIP NO. 3-09-0012-02X-2021  
Stantec Project No. 179450289  
APRIL 7, 2021

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ADD 1A	ADD ALTERNATE No. 1 TAXIWAY A, MILL AND OVERLAY - SHEET 1 OF 2
ADD 1B	ADD ALTERNATE No. 1 TAXIWAY A, MILL AND OVERLAY - SHEET 2 OF 2

**GENERAL NOTES**

- THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS REFERENCED THEREIN.
- THE PROJECT SHALL BE CONSTRUCTED IN A TIMELY MANNER IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED PROJECT SCHEDULE. THE SCHEDULE SHALL PROVIDE FOR COMPLETION OF THE WORK AS SHOWN ON THE PLANS AND DESCRIBED IN THE CONTRACT SPECIFICATIONS.
- MERIDEN-MARKHAM MUNICIPAL AIRPORT WILL BE IN CLOSED FOR THE DURATION OF CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL BE LIMITED TO THE WORK LIMITS SHOWN ON THE PLANS. ALL APRON AREAS ARE OFF LIMITS TO THE CONTRACTOR.
- CONTRACTOR'S STAGING AREA - AN AREA WILL BE MADE AVAILABLE FOR CONTRACTOR'S MOBILIZATION AND STORAGE. THE CONTRACTOR'S STAGING AREA SHALL BE RESTORED TO ITS PRE-CONSTRUCTION CONDITION UPON COMPLETION OF USE, AT THE CONTRACTOR'S EXPENSE.
- ALL MATERIALS AND EQUIPMENT WHEN NOT IN USE SHALL BE PLACED IN APPROVED AREAS WHERE THEY WILL NOT CONSTITUTE A HAZARD TO AIRCRAFT OPERATIONS AND NOT PENETRATE CLEARANCE SURFACES. EQUIPMENT SHALL BE PARKED AT THE STAGING AREA WHEN NOT IN USE.
- FOR EMERGENCIES (INJURIES, FIRES, SECURITY BREACHES, ETC.) THE CONTRACTOR SHALL CALL 911 THEN CONTACT THE AIRPORT MANAGER (203) 630-2878 FOLLOWED BY NOTIFICATION TO THE ENGINEER AS SOON AS POSSIBLE.
- THE CONTRACTOR SHALL PROVIDE THE PHONE NUMBERS (3) OF THREE PERSONNEL, INCLUDING THE PROJECT SUPERINTENDENT WHO MAY BE CONTACTED IN AN EMERGENCY. PERSONNEL SHALL BE ON CALL 24 HOURS PER DAY FOR MAINTAINING AIRPORT HAZARD LIGHTING AND BARRICADES.
- IN ACCORDANCE WITH THE SPECIFICATIONS, LABOR WAGE RATES SHALL BE POSTED ON SITE IN A WEATHERPROOF ENCLOSURE.

**CONSTRUCTION SAFETY NOTES**

- ALL CONSTRUCTION FOR THIS PROJECT SHALL CONFORM TO THE GUIDELINES SET FORTH IN FEDERAL AVIATION ADMINISTRATION (FAA) AC150/5370-2G "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", THE PROJECTS "CONSTRUCTION SAFETY AND PHASING PLAN" (CSPP), AND THESE PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL FURNISH A SPCD (SAFETY PLAN COMPLIANCE DOCUMENT) WITHIN SEVEN (7) DAYS PRIOR TO THE ISSUANCE OF A NOTICE TO PROCEED. THE CONTRACTOR SHALL BECOME KNOWLEDGEABLE OF THE REQUIREMENTS AND PROCEDURES OF FAA ADVISORY CIRCULAR 150/5320-2G AND THE CSPP, AND INCORPORATE THESE ITEMS INTO THE SPCD.
- THE CONTRACTOR SHALL ACQUAINT ITS SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT ITS CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
- CONSTRUCTION ACTIVITIES ARE NOT PERMITTED WITHIN THE SAFETY AREA/OBJECT FREE AREA OF AN ACTIVE RUNWAY, TAXIWAY OR APRON TAXILANE WITHOUT THE APPROVAL OF THE AIRPORT MANAGER.
- IN ORDER FOR THE CONTRACTOR TO OPERATE WITHIN THE AIR OPERATIONS AREA, APPROPRIATE NOTICES TO AIRMEN (NOTAMS) MUST BE ISSUED BY THE AIRPORT MANAGER THROUGH THE FAA FLIGHT SERVICE STATION. THESE NOTICES PROVIDE INFORMATION ON CLOSED, LIMITED, OR HAZARDOUS CONDITIONS TO AIRMEN AND USERS OF THE AIRPORT. A 48-HOUR NOTICE IS REQUIRED FOR ISSUANCE OF THE NOTAM. ALL CONSTRUCTION OPERATIONS MUST BE CLOSELY COORDINATED WITH THE AIRPORT MANAGER FOR NOTAM ISSUANCE. ONCE, ALL NOTAMS ARE IN PLACE THE CONTRACTOR SHALL SET UP CONSTRUCTION SAFETY DEVICES INCLUDING BUT NOT LIMITED TO CONSTRUCTION SIGNS, BARRICADES AND LIGHTED RUNWAY CLOSURE 'X'S PRIOR TO THE START OF WORK.
- ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE WITHIN THE SECURITY FENCE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3' x 3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG, EACH CHECKERBOARD COLOR BEING 1" SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLES SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS.
- THE CONTRACTOR SHALL NOT PERMIT SMOKING OR OPEN FLAMES ON ANY PORTION OF THE AIRFIELD.
- ONLY RUBBER-TIRED VEHICLES SHALL BE ALLOWED ON EXISTING PAVEMENT THAT IS TO REMAIN.
- STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT OR WIND CONDITIONS IN EXCESS OF 10 KNOTS.
- CONTRACTOR GENERATED DEBRIS, WASTE, AND LOOSE MATERIAL (INCLUDING DUST AND DIRT) CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR OR PROPELLERS, OR BEING INGESTED IN JET ENGINES, SHALL NOT BE ALLOWED ON ACTIVE AIRCRAFT MOVEMENT AREAS OR ADJACENT GRASSED AREAS. MATERIALS OBSERVED TO BE WITHIN THESE AREAS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- CONTRACTORS ACCESS TO AIRFIELD PAVEMENTS OUTSIDE OF THE PROJECT WORK LIMITS IS STRICTLY PROHIBITED.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE SIGNING IN ACCORDANCE WITH MUTCD AND FLAGMAN AS REQUIRED FOR ALL OPERATIONS INCLUDING EQUIPMENT ENTERING & LEAVING ADJACENT ROADWAYS.

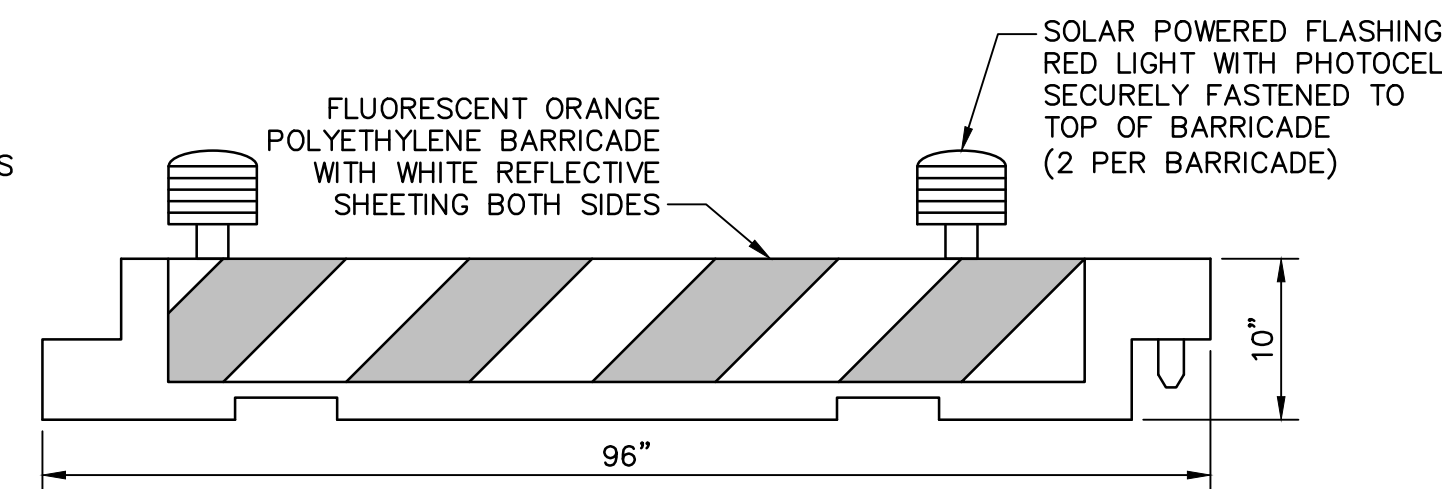
- THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES WHEREVER OPEN EXCAVATIONS OR IRREGULAR GRADES ARE LEFT WITHIN THE SAFETY AREA OF AN ACTIVE TAXIWAY OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 8 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE, THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT.
- THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDED WATER AND GRASS SEED.
- PROTECTION OF ALL PERSONS SHALL BE PROVIDED THROUGHOUT THE PROGRESS OF THE WORK. THE WORK SHALL PROCEED IN SUCH A MANNER AS TO PROVIDE SAFE CONDITIONS FOR ALL WORKERS INCLUDING AIRPORT PERSONNEL AND THE ENGINEER'S REPRESENTATIVES. THE SEQUENCE OF OPERATION SHALL BE SUCH THAT MAXIMUM PROTECTION IS AFFORDED TO INSURE THAT PERSONNEL AND WORKERS IN THE WORK AREA ARE NOT SUBJECT TO ANY DANGEROUS CONDITIONS.
- DURING PERFORMANCE OF THIS CONTRACT, THE AIRPORT FUELING AREAS, AND AIRCRAFT PARKING APRONS SHALL REMAIN IN USE BY AIRCRAFT. THE CONTRACTOR SHALL NOT ALLOW EMPLOYEES, SUBCONTRACTORS, SUPPLIERS, OR ANY OTHER UNAUTHORIZED PERSON TO ENTER OR REMAIN IN ANY AIRPORT AREA WHICH WOULD BE HAZARDOUS TO PERSONS OR TO AIRCRAFT OPERATIONS.
- THE FOLLOWING ARE CONSIDERED SAFETY PROBLEMS AND/OR HAZARDS:
  - TRENCHES, HOLES, OR EXCAVATION ON OR ADJACENT TO ANY OPEN RUNWAY OR IN RUNWAY OR TAXIWAY SAFETY AREAS.
  - UNMARKED/UNLIGHTED HOLES OR EXCAVATION IN ANY APRON, OPEN TAXIWAY, OPEN TAXILANE, OR RELATED SAFETY AREA.
  - MOUNDS OR PILES OF EARTH, CONSTRUCTION MATERIALS, TEMPORARY STRUCTURES, OR OTHER OBJECTS IN THE VICINITY OF ANY OPEN RUNWAY, TAXIWAY, TAXILANE, OR IN ANY RELATED SAFETY, APPROACH, OR DEPARTURE AREA.
  - VEHICLES OR EQUIPMENT, WHETHER OPERATING OR IDLE, ON ANY OPEN RUNWAY, TAXIWAY, TAXILANE OR IN ANY RELATED SAFETY, APPROACH, OR DEPARTURE AREA.
  - VEHICLES, EQUIPMENT, EXCAVATION, STOCKPILES, OR OTHER MATERIALS WHICH COULD INTERFERE WITH ELECTRONIC SIGNALS FROM RADIOS OR ELECTRONIC NAVIGATIONAL AIDS (NAVAIDS).
  - PAVEMENT DROP-OFFS - LIPS (EITHER PERMANENT OR TEMPORARY) WHICH COULD CAUSE DAMAGE TO AIRCRAFT IF CROSSED AT NORMAL OPERATING SPEEDS. THE NORMAL MAXIMUM DROP-OFF OR LIP IS 1-1/2 INCHES.
  - UNMARKED UTILITY, NAVAID, WEATHER SERVICE, RUNWAY LIGHTING, OR OTHER POWER OR SIGNAL CABLES THAT COULD BE DAMAGED DURING CONSTRUCTION.
  - OBJECTS, WHETHER OR NOT MARKED OR FLAGGED, OR ACTIVITIES ANYWHERE ON OR IN THE VICINITY OF THE AIRPORT WHICH COULD BE DISTRACTING, CONFUSING, OR ALARMING TO PILOTS DURING AIRCRAFT OPERATIONS.
  - UNFLAGGED/UNLIGHTED LOW VISIBILITY ITEMS SUCH AS TALL CRANES, DRILLS, AND THE LIKE ANYWHERE IN THE VICINITY OF ACTIVE RUNWAYS, OR IN ANY APPROACH OR DEPARTURE AREA.
  - THE CONTRACTOR SHALL CONDUCT ACTIVITIES SO AS NOT TO VIOLATE ANY SAFETY STANDARDS CONTAINED HEREIN. THE CONTRACTOR SHALL INSPECT ALL CONSTRUCTION AND STORAGE AREAS AS OFTEN AS NECESSARY AND PROMPTLY TAKE ALL STEPS NECESSARY TO PREVENT/REMEDY ANY UNSAFE OR POTENTIALLY UNSAFE CONDITIONS OR ACTIVITIES DISCOVERED.

**SURVEY NOTES**

- TOPOGRAPHIC SURVEY COMPLETED BY STANTEC CONSULTING SERVICES INCORPORATED, JANUARY 2021, BASED ON THE SECONDARY AIRPORT CONTROL STATION, DESIGNATION, MMK B, WHOSE PUBLISHED COORDINATES ARE N41°30'37.86554" W072°49'51.02089" NAD 23 (2011) AND AN ELEVATION OF 99.0 FEET NAVD 88.
- ALL SURVEY LAYOUT AND CONTROL SHALL BE COMPLETED BY A PROFESSIONAL LAND SURVEYOR, REGISTERED IN THE STATE OF CONNECTICUT.

**UNDERGROUND UTILITY NOTES**

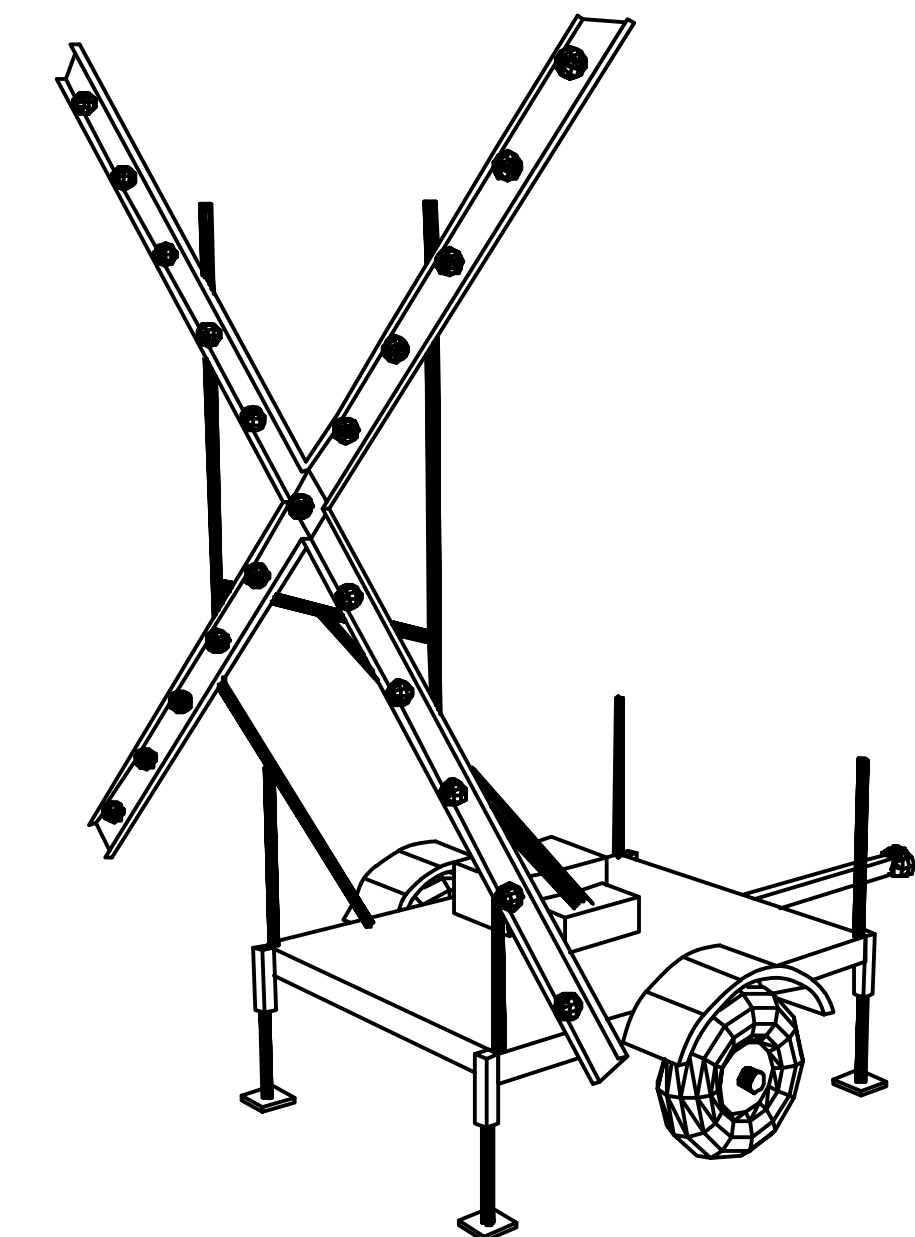
- THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE CONSIDERED TO BE ONLY ESTIMATED LOCATIONS. ALL UTILITY LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION.
- PROTECTION OF EXISTING AIRPORT UNDERGROUND CABLES IS THE RESPONSIBILITY OF THE CONTRACTOR. THE LOCATION OF THESE UTILITIES MUST BE VERIFIED BY THE CONTRACTOR. REPAIR OF CABLES DAMAGED DUE TO CONTRACTOR'S OPERATIONS MUST BE STARTED IMMEDIATELY AND CONTINUED UNTIL COMPLETED. ALL SUCH REPAIRS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL BE AT THE CONTRACTOR'S EXPENSE. WHEN FAA CABLES ARE DAMAGED, REPAIRS SHALL BE DONE IN ACCORDANCE WITH FAA REQUIREMENTS AND IN THE PRESENCE OF AN FAA REPRESENTATIVE. THE FAA MAY ELECT TO HAVE THE REPAIR PERFORMED BY OTHERS IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING THE INCURRED COST OF REPAIRS.
- AT LEAST TWO (3) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE OWNER OF EACH UNDERGROUND UTILITY FACILITY AFFECTED.
- AT LEAST TWO (2) FULL WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455 OR CBYD.COM FOR ASSISTANCE IN LOCATING UNDERGROUND UTILITIES.



**SAFETY BARRICADE NOTES:**

- THERE IS NO SEPARATE PAY ITEM FOR LIGHTED SAFETY BARRICADES AND THIS WORK IS CONSIDERED INCIDENTAL TO THE PROJECT.
- THE LIGHTED SAFETY BARRICADES SHALL BE USED WHEN A WORK AREA IS DIRECTLY ADJACENT TO AN ACTIVE RUNWAY, TAXIWAY OR TAXILANE TO KEEP AIRCRAFT AND VEHICLES FROM TRAVELING INTO A WORK AREA.
- BARRICADES SHALL BE INTERCONNECTED ON AIRFIELD PAVEMENTS OR AS IDENTIFIED ON PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING AND/OR PROVIDING ADDITIONAL BARRICADES AROUND THE SITE AS NECESSARY TO ACCOMMODATE THE PROPOSED WORK.
- THE CONTRACTOR SHALL ENSURE THE CONTINUOUS OPERATION OF ALL LIGHTS FOR THE DURATION OF THE PROJECT. LIGHTS AND/OR BATTERIES SHALL BE REPLACED AS NEEDED.
- THE BARRICADES SHALL BE FILLED WITH WATER OR OTHERWISE SECURED TO PREVENT MOVEMENT.

1 TYPICAL LOW-PROFILE BARRICADE DETAIL  
NOT TO SCALE



**LIGHTED RUNWAY CLOSURE 'X' NOTES:**

- THERE IS NO SEPARATE PAY ITEM FOR LIGHTED RUNWAY CLOSURE 'X'S AND THIS WORK IS CONSIDERED INCIDENTAL TO THE PROJECT.
- THE CONTRACTOR SHALL PROVIDE TWO (2) LIGHTED 'X'S FOR THE DURATION OF THE RUNWAY CLOSURE. THE LIGHTED 'X'S SHALL MEET THE REQUIREMENTS SPECIFIED IN FAA AC 150/5345-55A AND SHALL BE IN GOOD WORKING ORDER. LIGHT BULBS SHALL BE REPLACED WITHIN 24HR OF BEING NOTIFIED FROM THE AIRPORT OR RESIDENT ENGINEER.
- THE LIGHTED 'X'S SHALL HAVE THE FUEL CAPACITY TO RUN UNINTERRUPTED THROUGHOUT THE NIGHT, FROM END OF WORK DAY UNTIL THE BEGINNING OF THE NEXT DAYS WORK SHIFT. THE CONTRACTOR SHALL MAKE PROVISIONS TO REFUEL DURING THE WEEKEND AND/OR EXTENDED PERIODS OF DOWN-TIME.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LIGHTED 'X'S TO BE FULLY FUNCTIONAL THROUGHOUT WEEKENDS AND HOLIDAYS.

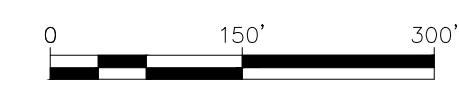
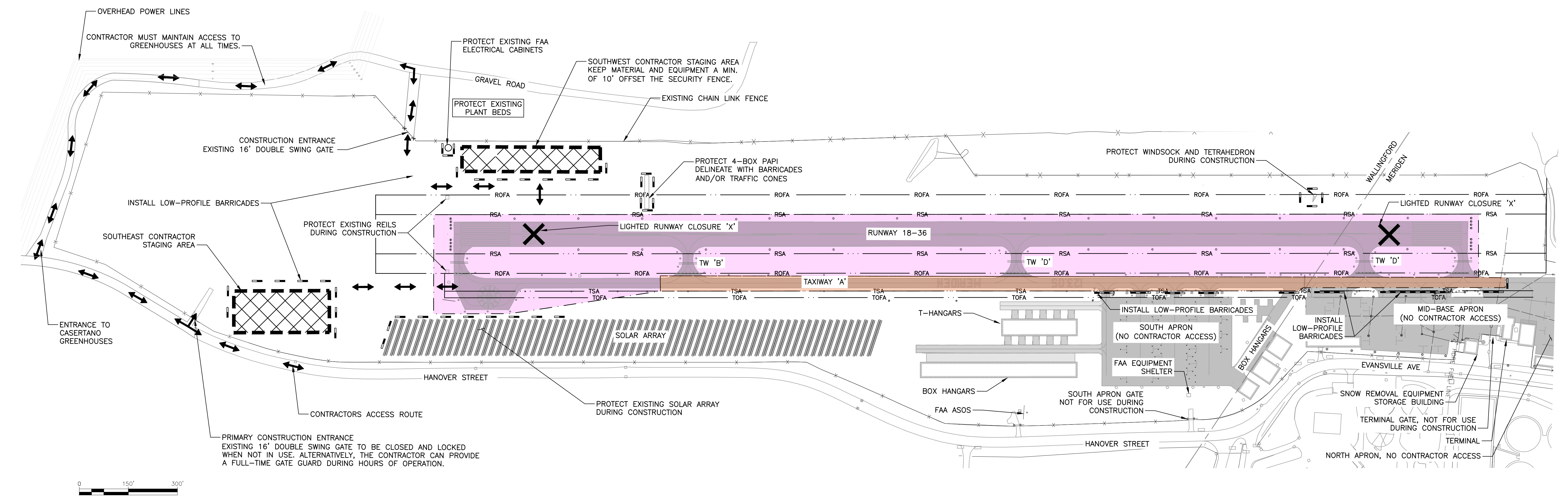
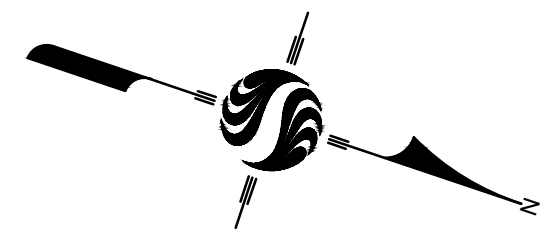
2 LIGHTED RUNWAY CLOSURE 'X' DETAIL  
NOT TO SCALE

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3 Columbia Circle, Suite 6 Albany, New York 12203 www.stantec.com  <small>The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.</small>	
Client/Project MERIDEN MARKHAM MUNICIPAL AIRPORT  RUNWAY 18-36 REHABILITATION  MERIDEN, CONNECTICUT	Title GENERAL NOTES AND DETAILS  Project No. 179450289 Scale AS SHOWN Drawing No. G.001 Sheet 2 of 31 Revision
File Name: 179450289 CAM Dwn. PVE Chkd. CAM Dsgn. 21.04.07 YY.MM.DD	
Revision By Appd. MM.DD.YY Issued By Appd. YY.MM.DD	

- LEGEND**
- APPROXIMATE CITY/TOWN LINE
  - ↔ CONSTRUCTION ACCESS ROUTE
  - ▬ LOW PROFILE BARRICADE
  - ▨ CONTRACTOR STAGING AREA
  - BASE BID CONSTRUCTION ZONE
  - TOFA — TAXIWAY OBJECT FREE AREA
  - TSA — TAXIWAY SAFETY AREA
  - RSA — RUNWAY SAFETY AREA
  - ROFA — RUNWAY OBJECT FREE AREA
  - ADD ALTERNATE No. 1 CONSTRUCTION ZONE

- NOTES:**
1. SEE DRAWING G.001 FOR GENERAL NOTES.
  2. ACCESS TO THE PROJECT FOR ALL CONTRACTOR PERSONNEL, VEHICLES, AND EQUIPMENT IS ILLUSTRATED ON THIS SHEET.
  3. THIS PLAN HAS BEEN APPROVED BY THE MERIDEN-MARKHAM MUNICIPAL AIRPORT (MMK). NO CHANGE OR MODIFICATION TO THIS PLAN WILL BE PERMITTED WITHOUT ADVANCED WRITTEN APPROVAL BY THE ENGINEER.
  4. SCHEDULING OF ALL WORK SHALL BE COORDINATED IN WRITING WITH THE AIRPORT MANAGER THROUGH THE ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE.
  5. THERE IS NO SEPARATE PAY ITEM TO PROVIDE AND MAINTAIN TRAFFIC CONTROL DEVICES AND MEASURES INCLUDING BUT NOT LIMITED TO LIGHTED BARRICADES, LIGHTED X's, LIGHTED CHANNELIZER CONES, SIGNING, TEMPORARY STRIPING, ETC. ALL WORK ASSOCIATED WITH THESE MEASURES IS CONSIDERED INCIDENTAL TO THE PROJECT.
  6. THE CONTRACTOR SHALL CONTINUOUSLY COORDINATE WITH THE ENGINEER AND THE AIRPORT MANAGER REGARDING DAILY CONSTRUCTION ACTIVITIES/OPERATIONS.
  7. RESTORATION OF TURF AREAS AFFECTED BY CONSTRUCTION ACTIVITIES IS CONSIDERED INCIDENTAL TO THE PROJECT.
  8. THE CONTRACTOR SHALL DISPOSE EXCESS RECLAIM MATERIAL OFF-SITE ONLY AFTER UTILIZING THE MATERIAL FOR AGGREGATE BASE COURSE GRADE ADJUSTMENTS. THE CONTRACTOR SHALL ALSO DISPOSE EXCESS MILLINGS (GENERATED DURING ADD ALTERNATE 1) OFF-SITE. ON-SITE DISPOSAL OF EXCESS RECLAIM MATERIAL AND/OR MILLINGS IS NOT ALLOWED WITHOUT THE PERMISSION/DIRECTION OF THE AIRPORT AND ENGINEER.
  9. THE CONTRACTOR SHALL PROTECT THE FAA OWNED PAPI AND REIL DIRECT BURIAL CABLES AS IDENTIFIED ON THE PLANS.
  10. THE CONTRACTOR SHALL PROVIDE APPROPRIATE HIGHWAY WARNING SIGNS ALONG EVANSVILLE AVE. AND HANOVER STREET DURING CONSTRUCTION, MEETING THE REQUIREMENTS OF USDOT FHA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. THE ENGINEER SHALL APPROVE THE SIGNING PACKAGE PRIOR TO INSTALLATION. THIS WORK IS CONSIDERED INCIDENTAL TO THE PROJECT.

- I. WORK SUMMARY:**
- THE BASE BID SHALL CONSIST OF THE FULL DEPTH RECLAMATION OF RUNWAY 18-36, ALL STUB TAXIWAYS, THE HOLDING BAY AND 600 FEET OF THE SOUTHERN MOST SECTION OF TAXIWAY 'A', ALONG WITH THE COMPLETE REPLACEMENT OF THE AIRFIELD LIGHTING SYSTEM.
  - ADD ALTERNATE No. 1 SHALL CONSIST OF AN ASPHALT MILL AND OVERLAY FOR THE REMAINING LENGTH OF TAXIWAY A.
- II. CLOSURES:**
- RUNWAY 18 - 36 WILL BE CLOSED.
  - TAXIWAY 'A', 'B', 'C' AND 'D' WILL BE CLOSED.
- III. SCHEDULE:**
- UPON THE ISSUANCE OF A NOTICE TO PROCEED, THE TOTAL CONSTRUCTION DURATION FOR THE BASE BID WILL BE 60 CONSECUTIVE CALENDAR DAYS WITH AN ADDITIONAL 15 CALENDAR DAYS ADDED IF "ADD ALTERNATE No. 1" IS AWARDED.
  - WORK SHALL BE PERFORMED DURING DAYTIME HOURS.
  - THE AIRPORT SHALL BE NOTAM'D CLOSED AND LIGHTED RUNWAY CLOSURE "X" INSTALLED AND APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK.
- IV. DESCRIPTION OF MAJOR WORK EFFORTS:**
- PROVIDE WRITTEN CONSTRUCTION SCHEDULE TO THE ENGINEER.
  - FURNISH AND INSTALL EROSION AND SEDIMENT CONTROL DEVICES.
  - FURNISH AND INSTALL TRAFFIC CONTROL DEVICES (ie. RW CLOSURE X's, BARRICADES, ETC.).
  - DEMO EXISTING ELECTRICAL LIGHTS AND SIGNS BEING REPLACED.
  - FURNISH AND INSTALL DRAINAGE STRUCTURES.
  - RECLAIM EXISTING PAVEMENT SURFACE.
  - GRADE AND COMPACT RECLAIM MATERIAL.
  - FURNISH AND INSTALL ASPHALT PAVEMENT.
  - FURNISH AND INSTALL RUNWAY AND TAXIWAY EDGE LIGHTS, GUIDANCE AND DIRECTIONAL SIGNS WITH ALL ASSOCIATED ELECTRICAL EQUIPMENT AND WIRING.
  - FURNISH AND INSTALL PAVEMENT MARKINGS.
  - FURNISH AND INSTALL TOPSOIL AND SEED.



Revision	By	Appd.	MM.DD.YY	Issued	By	Appd.	YY.MM.DD

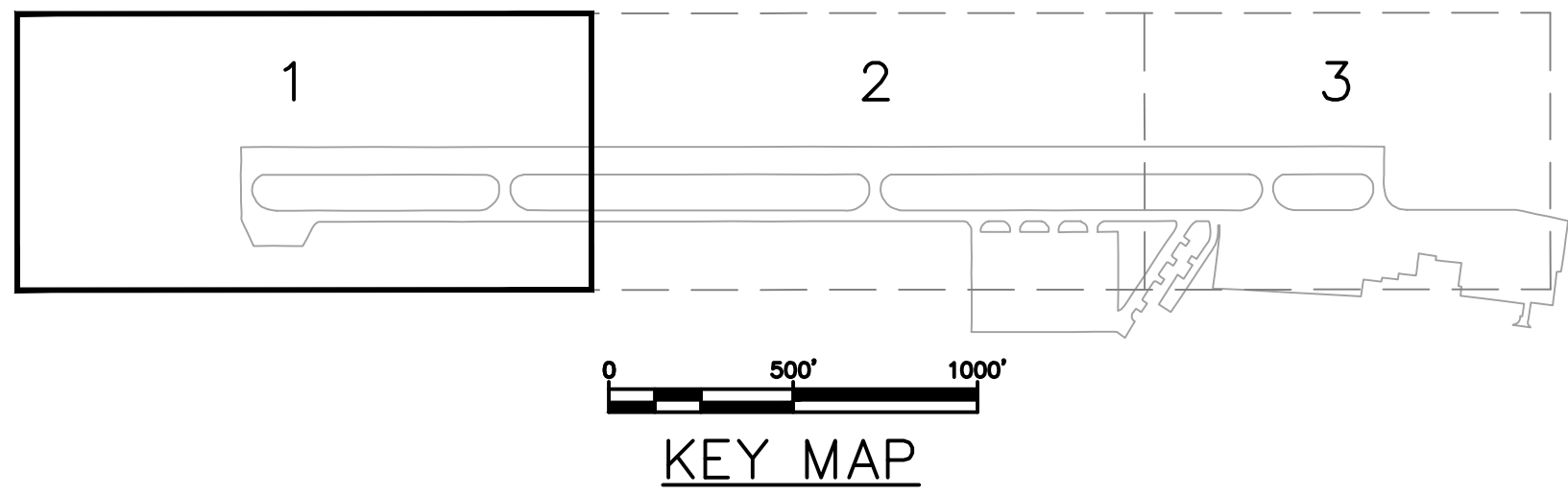


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Client/Project	MERIDEN MARKHAM MUNICIPAL AIRPORT
	RUNWAY 18-36 REHABILITATION
	MERIDEN, CONNECTICUT
File Name:	17945028P
CAM Dwn.	PVE Chkd.
CAM Dsgn.	21.04.07
	YY.MM.DD

Title	
CONSTRUCTION ACCESS AND SAFETY PLAN	
Project No.	Scale
179450289	AS SHOWN
Drawing No.	Sheet
G.002	3 of 31
	Revision



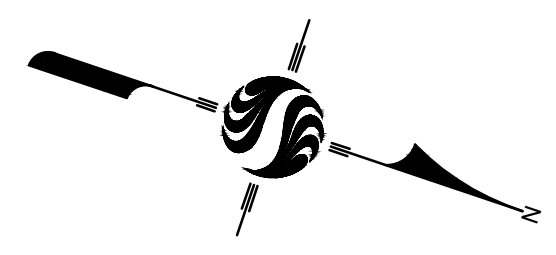
**NOTES:**

1. REFER TO UNDERGROUND UTILITY NOTES OF DRAWING G.001.
2. ALL EXISTING UTILITIES AND STRUCTURES NOT PART OF THIS PROJECT ARE TO REMAIN UNDISTURBED. ANY DISTURBED OR DAMAGED AIRPORT, CITY OR FAA PROPERTY SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR SHALL UTILIZE A PROFESSIONAL LAND SURVEYOR, REGISTERED IN THE STATE OF CONNECTICUT FOR ALL SURVEY AND LAYOUT WORK.

**NATIONAL GEODETIC SURVEY MONUMENTS:**

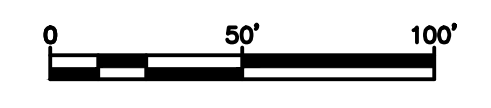
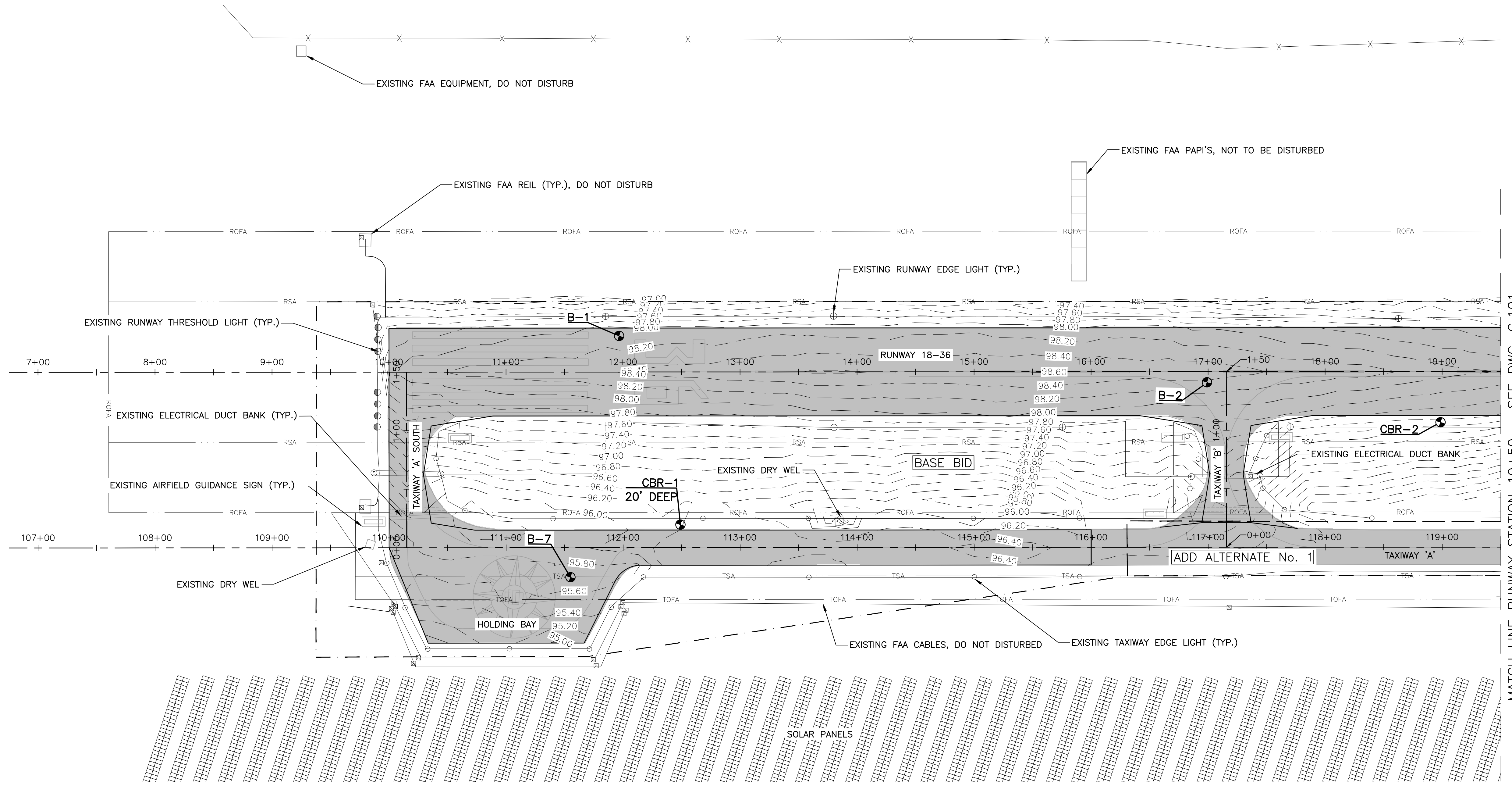
MMK PACS A  
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 E: 977527.38

MMK SACS B  
 ELEV: 99.00'  
 N: 746751.78  
 E: 977859.13



**LEGEND**

- TOFA — TAXIWAY OBJECT FREE AREA
- TSA — TAXIWAY SAFETY AREA
- ROFA — RUNWAY OBJECT FREE AREA
- RSA — RUNWAY SAFETY AREA
- ⊕ SURVEY BENCHMARK
- ▭ PROPOSED EDGE OF PAVEMENT
- - - - - BASE BID/ADD ALT. No. 1 WORK LIMITS
- 99.0 — EXISTING MAJOR CONTOUR
- 99.2 — EXISTING MINOR CONTOUR
- ⊕ (HH) EXISTING ELECTRICAL HANDHOLE
- EXISTING DRY WELL W/GRATE
- EXISTING AIRFIELD LIGHTS
- EXISTING AIRFIELD PAVMENTS
- ⊕ B-2 BORING/PAVEMENT CORE
- ⊕ CBR-1 CALIFORNIA BEARING RATIO



MATCH LINE RUNWAY STATION 19+50 — SEE DWG. C.101

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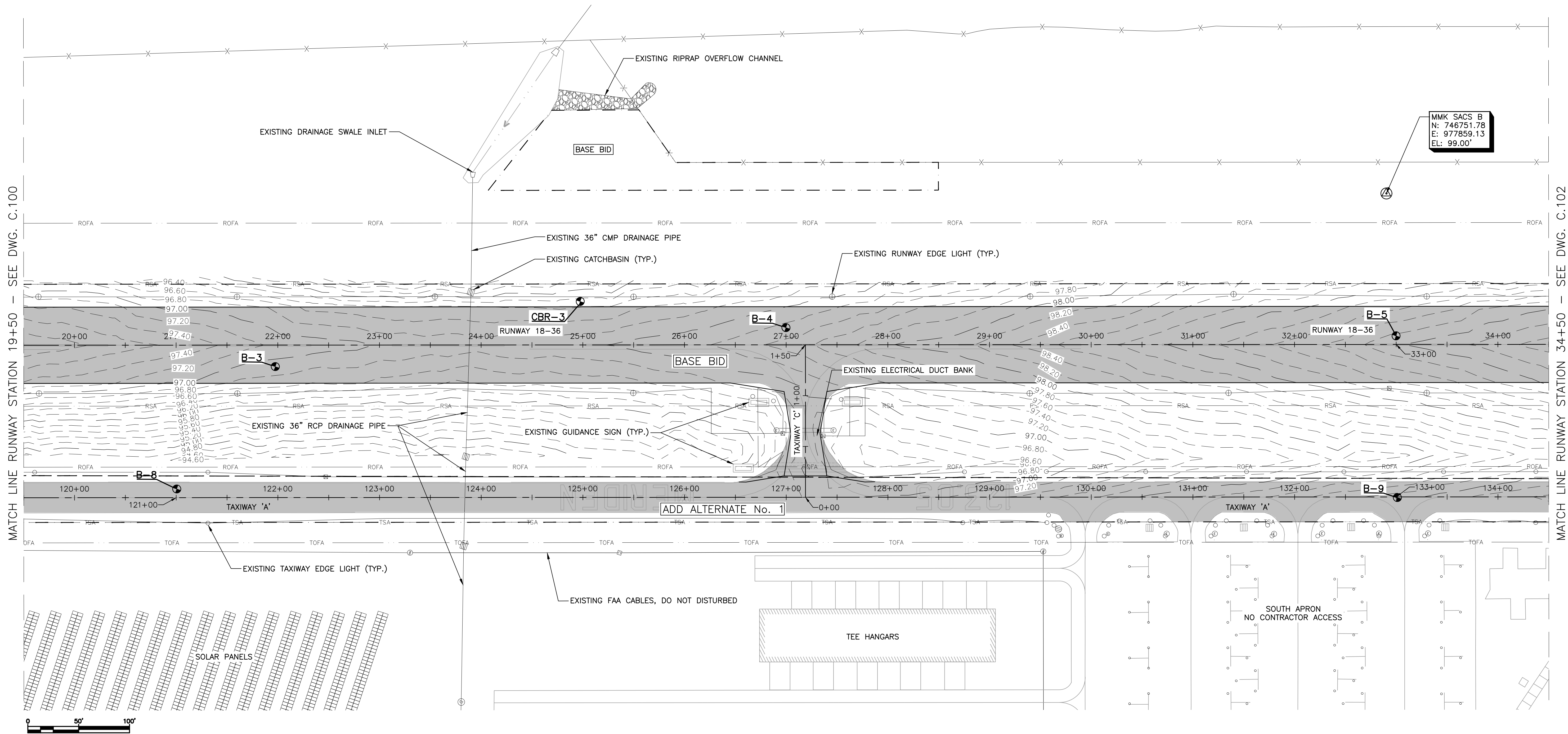
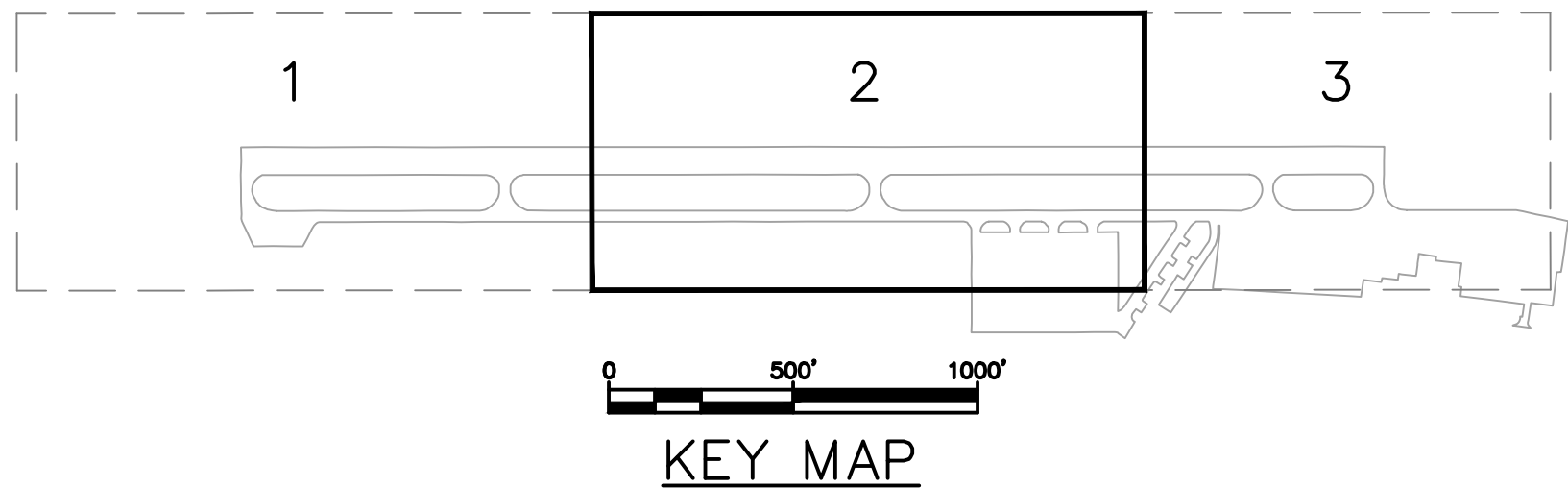
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	RUNWAY 18-36 REHABILITATION		
	MERIDEN, CONNECTICUT		
File Name:	179450289		
CAM Dwn.	PVE Chkd.	CAM Dsgn.	21.04.07
			YY.MM.DD

Title		
EXISTING CONDITIONS PLAN SHEET 1 OF 3		
Project No.	Scale	
179450289	AS SHOWN	
Drawing No.	Sheet	Revision
C.100	4 of 31	

NOTES:  
1. REFER TO DRAWING C.100 FOR LEGEND AND NOTES.



MATCH LINE RUNWAY STATION 19+50 - SEE DWG. C.100

MATCH LINE RUNWAY STATION 34+50 - SEE DWG. C.102

Revision	By	Appd.	MM.DD.YY

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Client/Project  
MERIDEN MARKHAM MUNICIPAL AIRPORT

RUNWAY 18-36 REHABILITATION

MERIDEN, CONNECTICUT

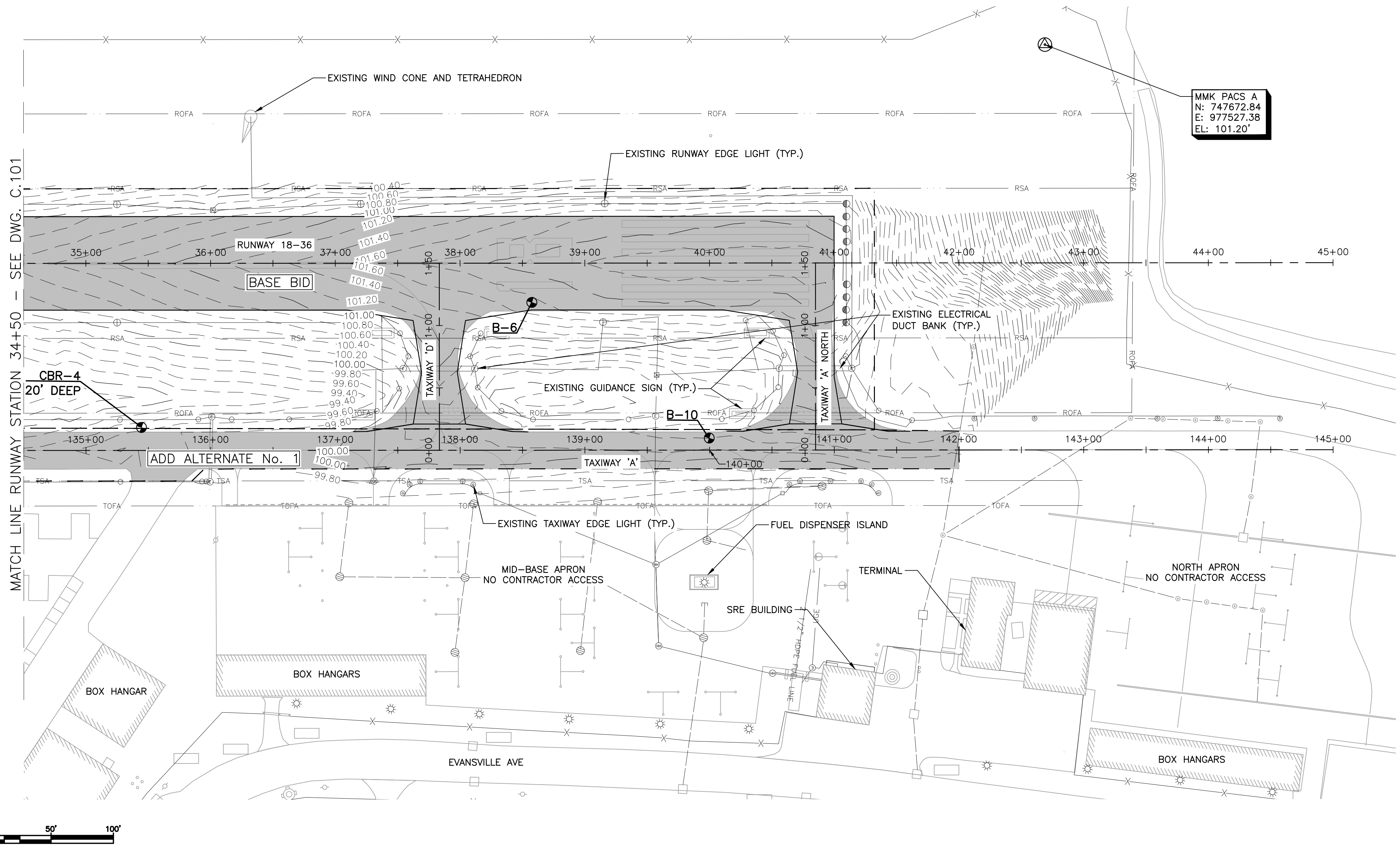
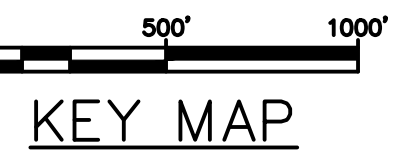
File Name: 179450289

CAM	PVE	CAM	21.04.07
Dwn.	Chkd.	Dsgn.	YY.MM.DD

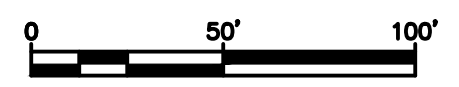
Title  
EXISTING CONDITIONS PLAN  
SHEET 2 OF 3

Project No. 179450289	Scale AS SHOWN
Drawing No. C.101	Sheet 5 of 31
	Revision

NOTES:  
1. REFER TO DRAWING C.100 FOR LEGEND AND NOTES.



MMK PACS A  
N: 747672.84  
E: 977527.38  
EL: 101.20'



Revision	By	Appd.	MM.DD.YY

Issued	By	Appd.	YY.MM.DD



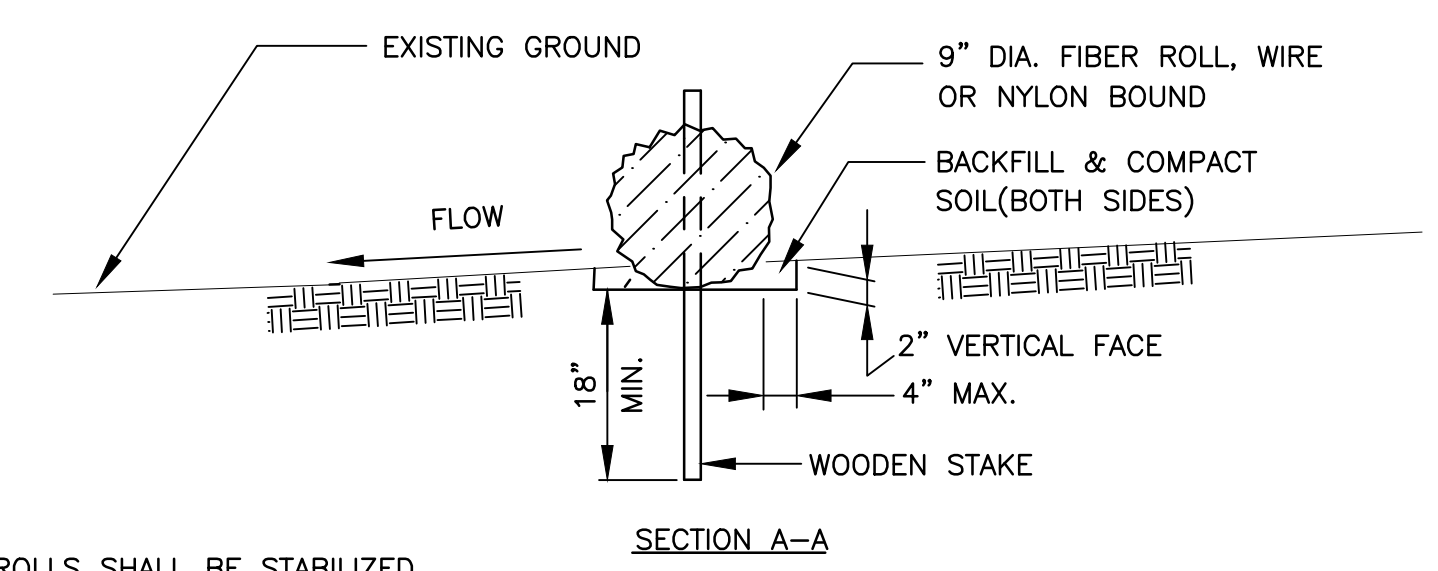
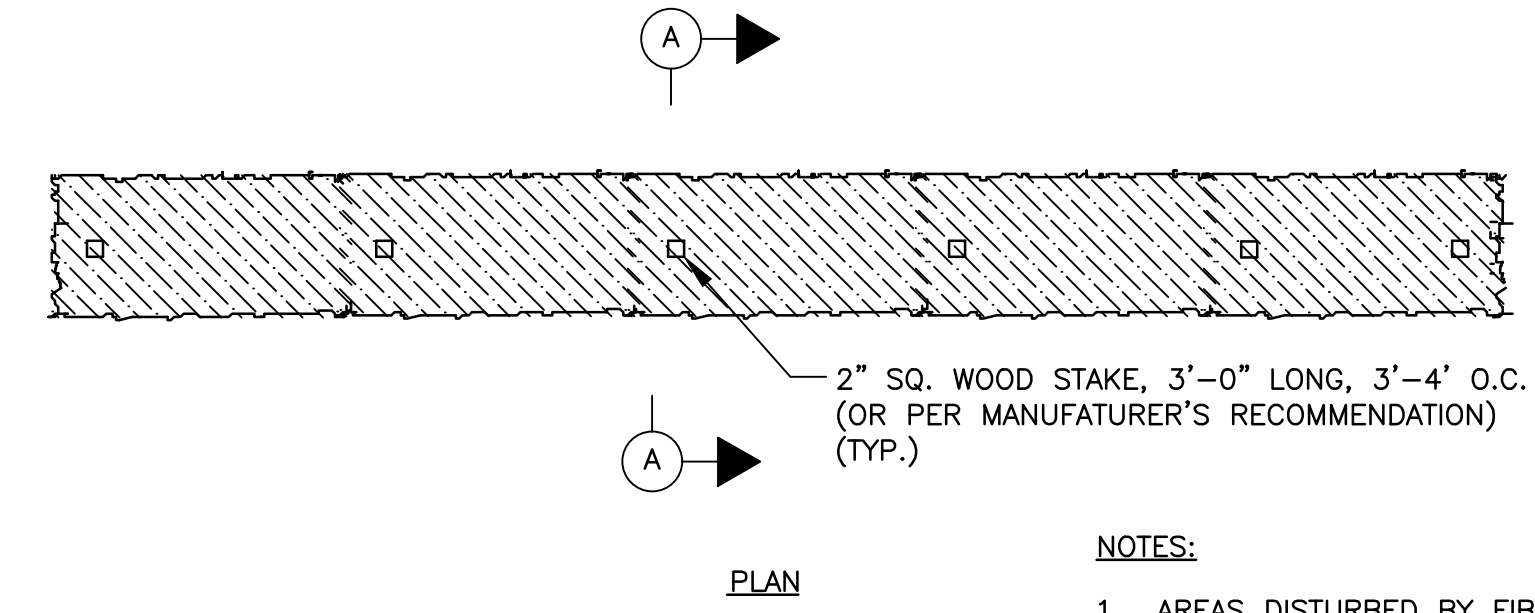
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	RUNWAY 18-36 REHABILITATION		
	MERIDEN, CONNECTICUT		
File Name:	179450289	CAM Dwn.	PVE Chkd.
		CAM Dsgn.	21.04.07 YY.MM.DD

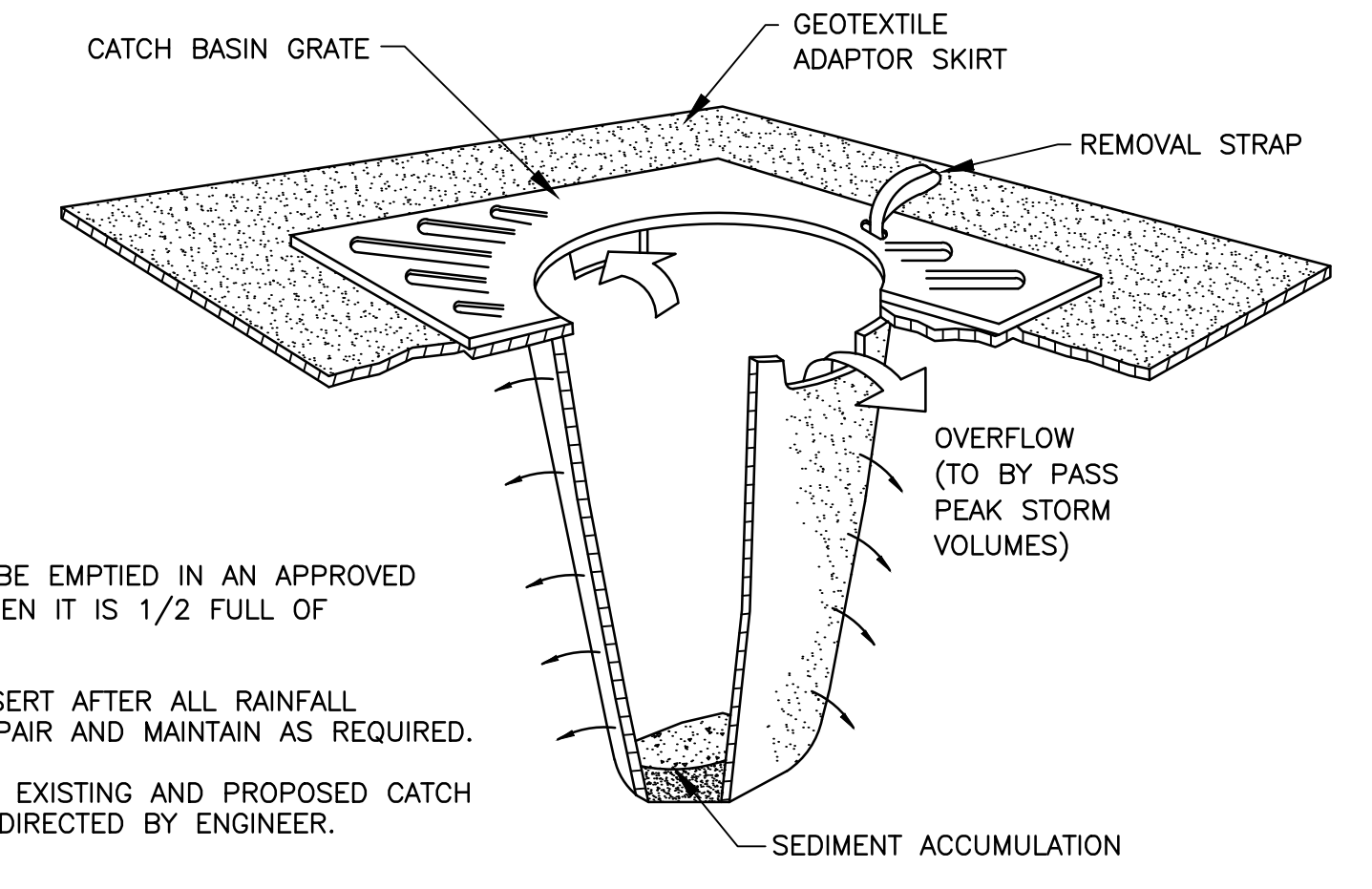
Title	
EXISTING CONDITIONS PLAN SHEET 3 OF 3	
Project No.	Scale
179450289	AS SHOWN
Drawing No.	Sheet
C.102	6 of 31

- LEGEND**
- APPROXIMATE CITY/TOWN LINE
  - [ ] EXISTING BUILDING
  - [X] CONTRACTOR STAGING AREA\*
  - [ ] INLET PROTECTION
  - [ ] FIBER ROLL
  - 99.0 EXISTING MAJOR CONTOUR
  - 99.5 EXISTING MINOR CONTOUR



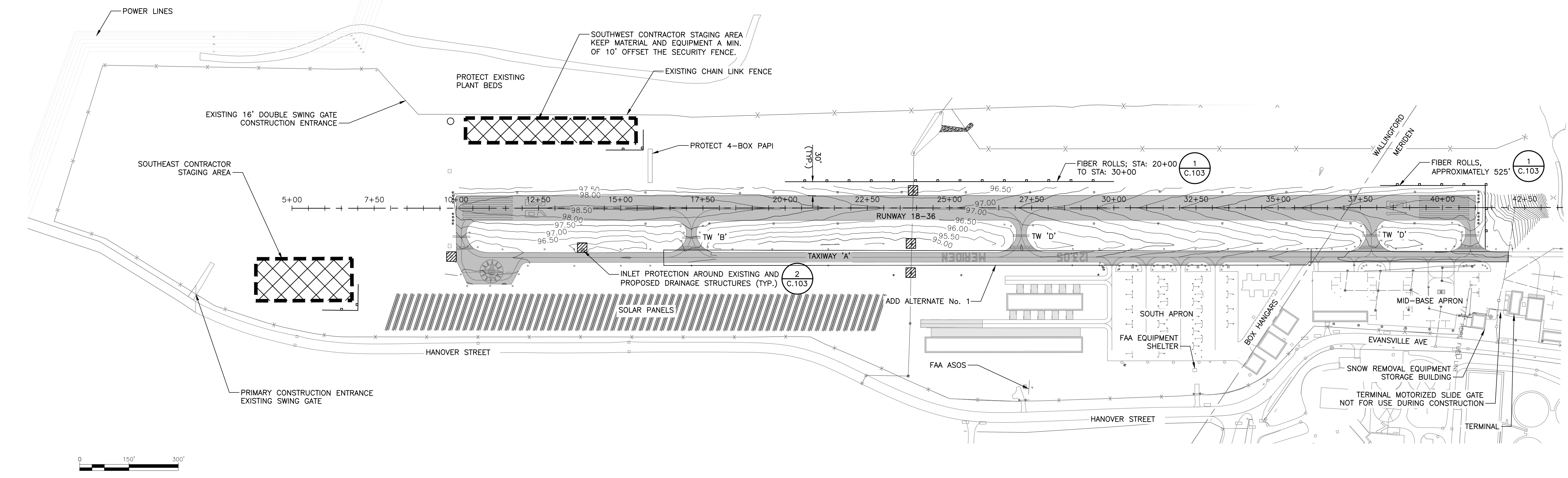
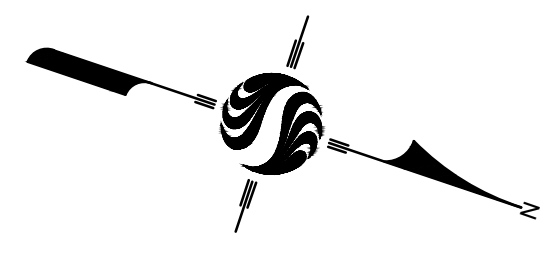
- NOTES:**
- AREAS DISTURBED BY FIBER ROLLS SHALL BE STABILIZED AND RESTORED AFTER REMOVAL.
  - USE FIBER ROLLS AROUND STOCKPILED MATERIAL AS DIRECTED BY THE ENGINEER.

1 FIBER ROLL DETAIL  
NOT TO SCALE



- NOTES:**
- INSERT TO BE EMPTIED IN AN APPROVED MANNER WHEN IT IS 1/2 FULL OF SEDIMENT.
  - INSPECT INSERT AFTER ALL RAINFALL EVENTS, REPAIR AND MAINTAIN AS REQUIRED.
  - USE AT ALL EXISTING AND PROPOSED CATCH BASINS AS DIRECTED BY ENGINEER.

2 INLET PROTECTION DETAIL  
NOT TO SCALE



Revision	By	Appd.	MM.DD.YY

Issued	By	Appd.	YY.MM.DD

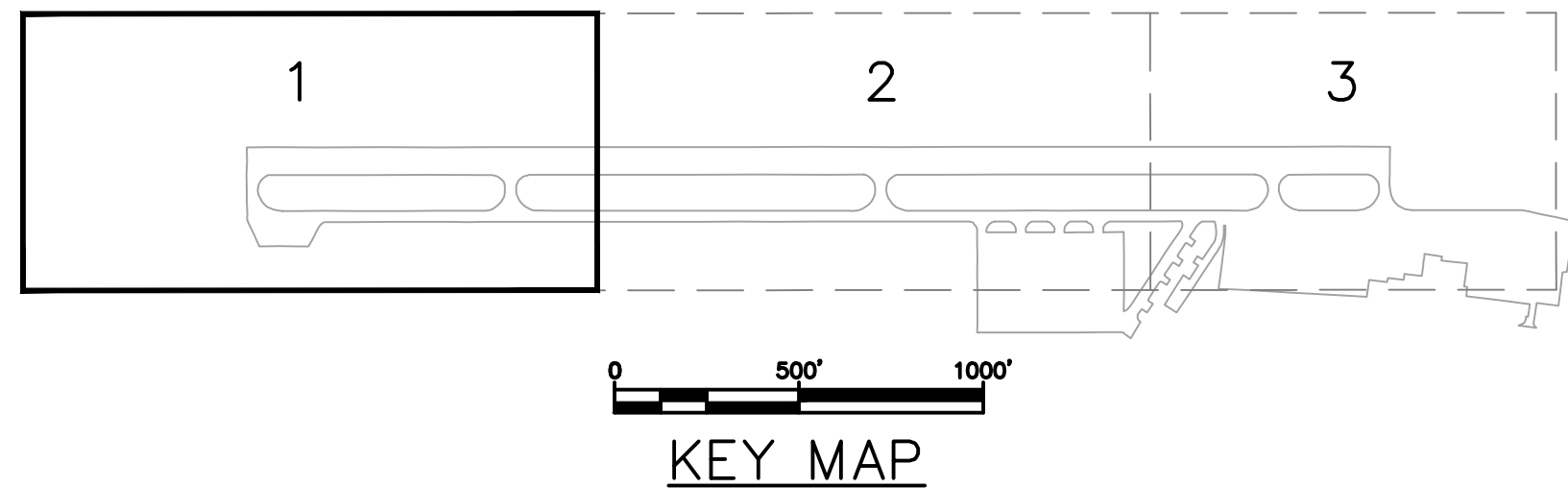


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	RUNWAY 18-36 REHABILITATION
	MERIDEN, CONNECTICUT
File Name:	179450289
CAM Dwn.	PVE Chkd.
CAM Dsgn.	21.04.07
	YY.MM.DD

Title	
EROSION AND SEDIMENTATION CONTROL PLAN	
Project No.	Scale
179450289	AS SHOWN
Drawing No.	Sheet
C.103	7 of 31
	Revision

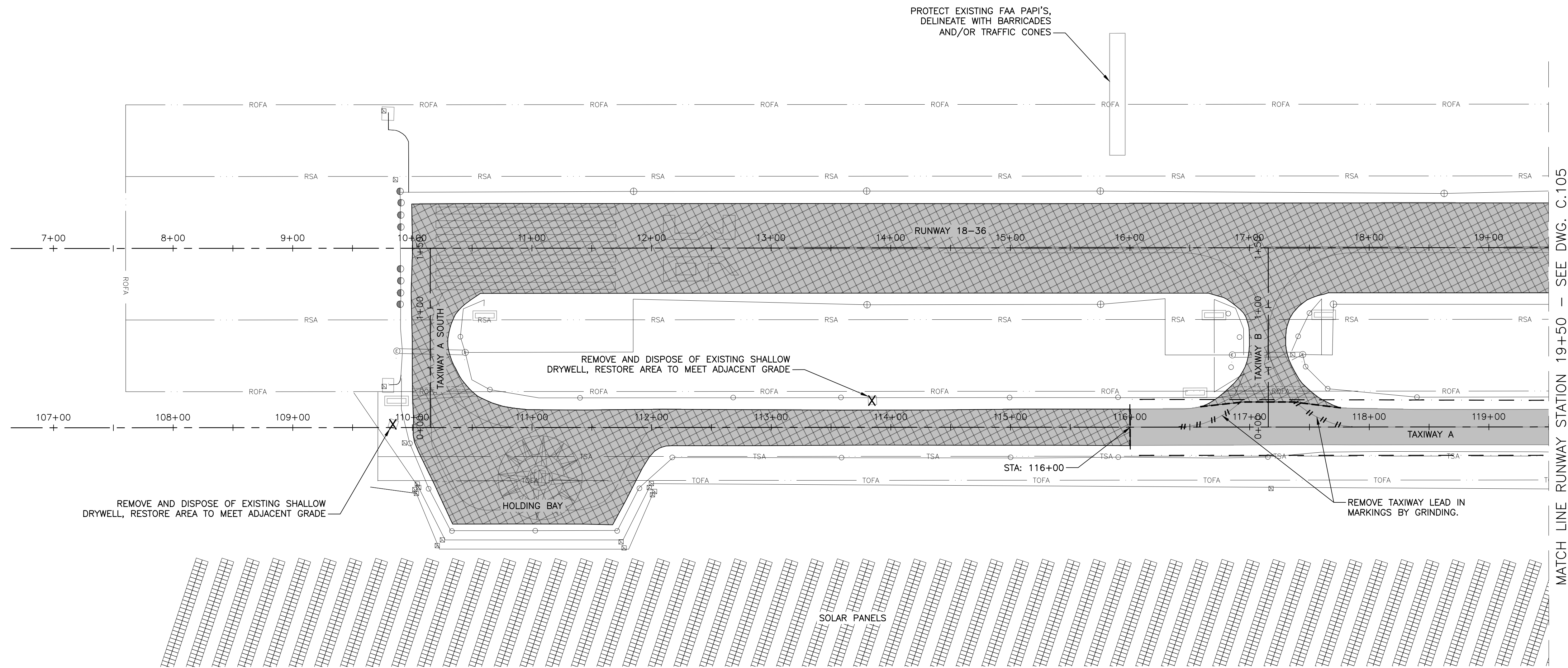


**NOTES:**

1. THE EXISTING BASE PLAN MAY NOT SHOW ALL EXISTING SURFACE AND SUBSURFACE STRUCTURES AND UTILITIES SUCH AS, BUT NOT LIMITED TO, CLEAN OUTS, VALVE BOXES, GROUND RECEPTACLES, MANHOLES, STORM DRAINS, DUCT BANKS, CATCH BASINS, ELECTRICAL CABLES, ETC. THE CONTRACTOR SHALL IDENTIFY ALL EXISTING STRUCTURES AND UTILITIES PRIOR TO THE START OF SITE WORK OPERATIONS. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO BOTH LOCATE AND PROTECT EXISTING UTILITIES AND STRUCTURES OVER THE LIFE OF THE PROJECT. ANY DAMAGE TO THESE STRUCTURES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIX AND/OR REPLACE IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER. REFER TO NOTES ON THE EXISTING CONDITIONS PLAN, DRAWING C.101, FOR REQUIREMENTS.
2. FAA OWNED EQUIPMENT AND UNDERGROUND CABLES MUST BE PROTECTED AT ALL TIMES. ANY DAMAGE TO FAA OWNED EQUIPMENT OR UNDERGROUND CABLES MUST BE REPORTED AND REPAIRED IMMEDIATELY.
3. ALL ELECTRICAL DEMOLITION/REMOVALS ARE SHOWN IN DETAIL ON SHEETS E.300, E.301 AND E.302. ELECTRICAL DEMOLITION/REMOVALS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY.

**LEGEND**

- — — — — FULL-DEPTH SAWCUT, INCIDENTAL TO RECLAIM ITEM
- X DEMOLISH OBJECT
- || || || || DEMOLISH AS LENGTH INDICATES
- ▨ RECLAIM EXISTING PAVEMENT
- ADD ALT. No. 1 MILL AND HMA OVERLAY



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RUNWAY 18-36 REHABILITATION

MERIDEN, CONNECTICUT

File Name: 17945028P

CAM	PVE	CAM	21.04.07
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Title

DEMOLITION PLAN  
SHEET 1 OF 3

Project No.  
179450289

Scale  
AS SHOWN

Drawing No.

Sheet

Revision

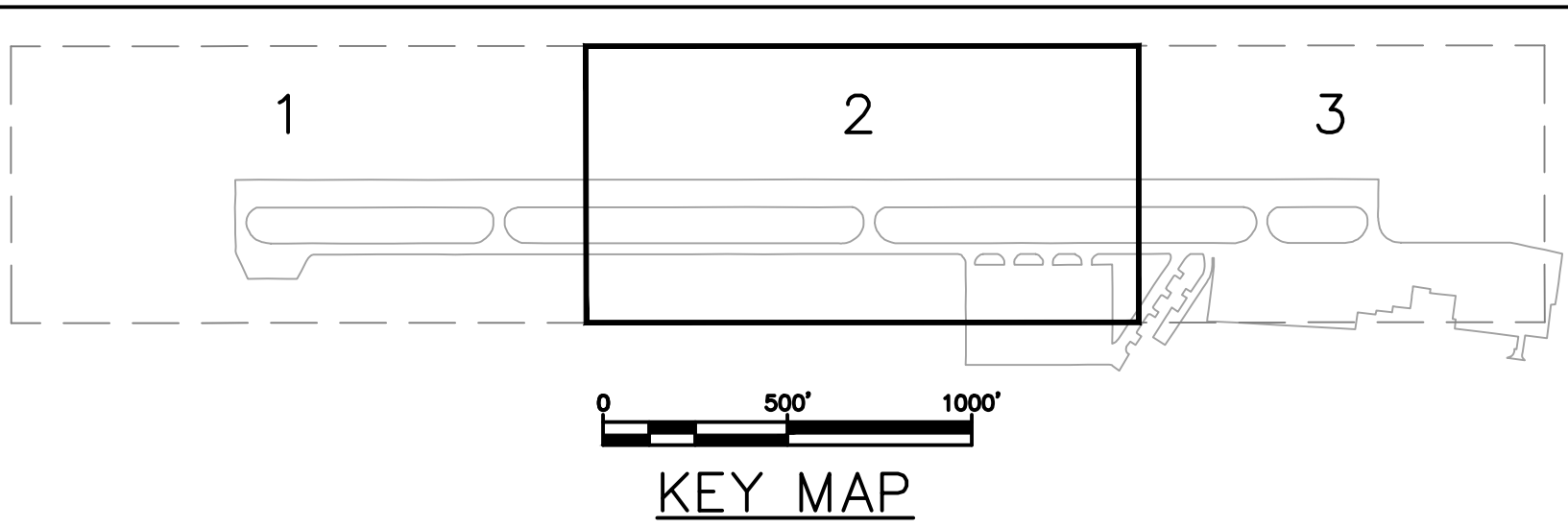
C.104

8 of 31

Revision	By	Appd.	MM.DD.YY

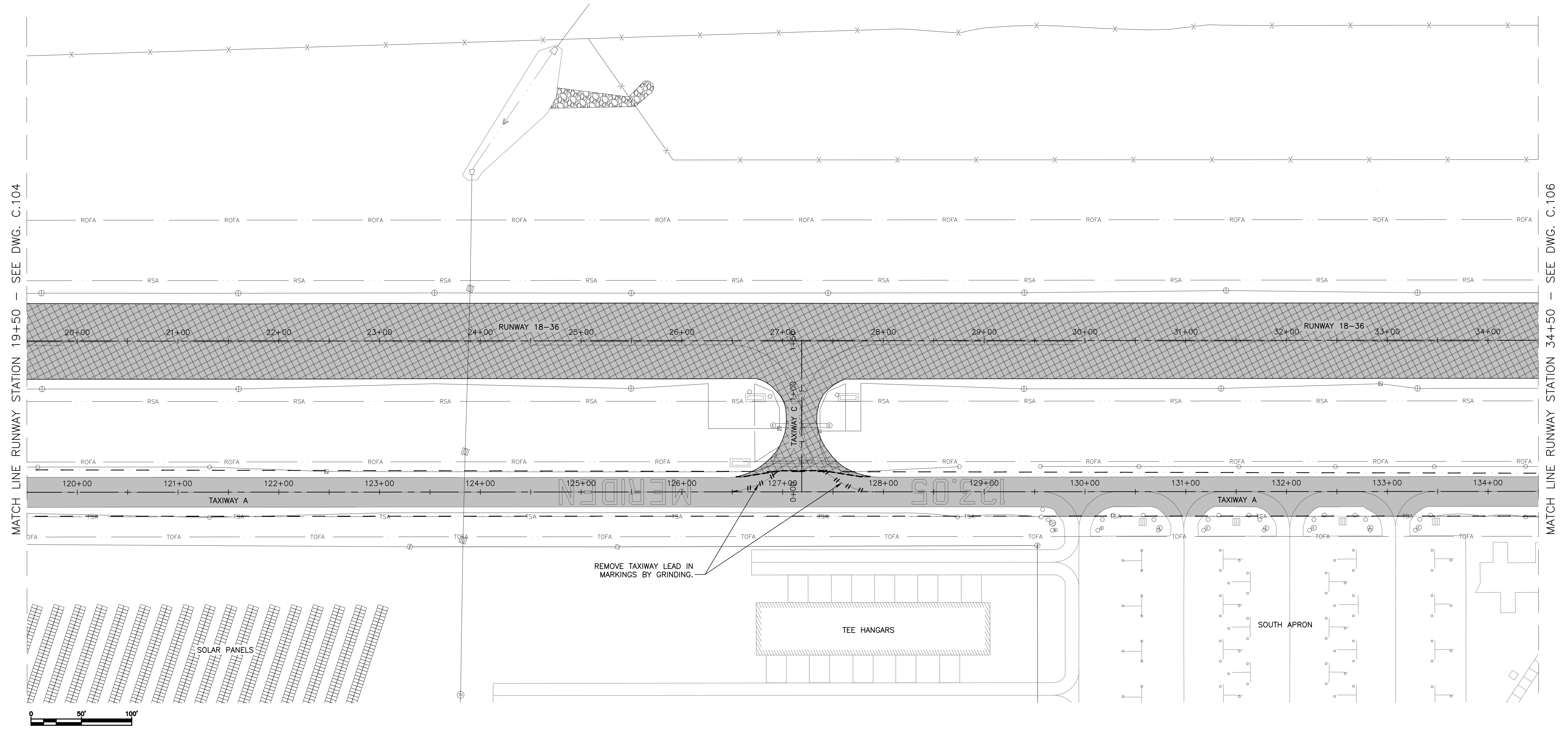
Issued	By	Appd.	YY.MM.DD





**LEGEND**

- FULL-DEPTH SAWCUT, INCIDENTAL TO RECLAIM ITEM
- DEMOLISH OBJECT
- DEMOLISH AS LENGTH INDICATES
- RECLAIM EXISTING PAVEMENT
- ADD ALT. No. 1 MILL AND HMA OVERLAY



Revision	By	Appd.	MM.DD.YY

Issued	By	Appd.	YY.MM.DD

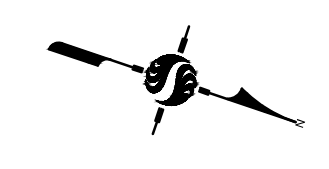
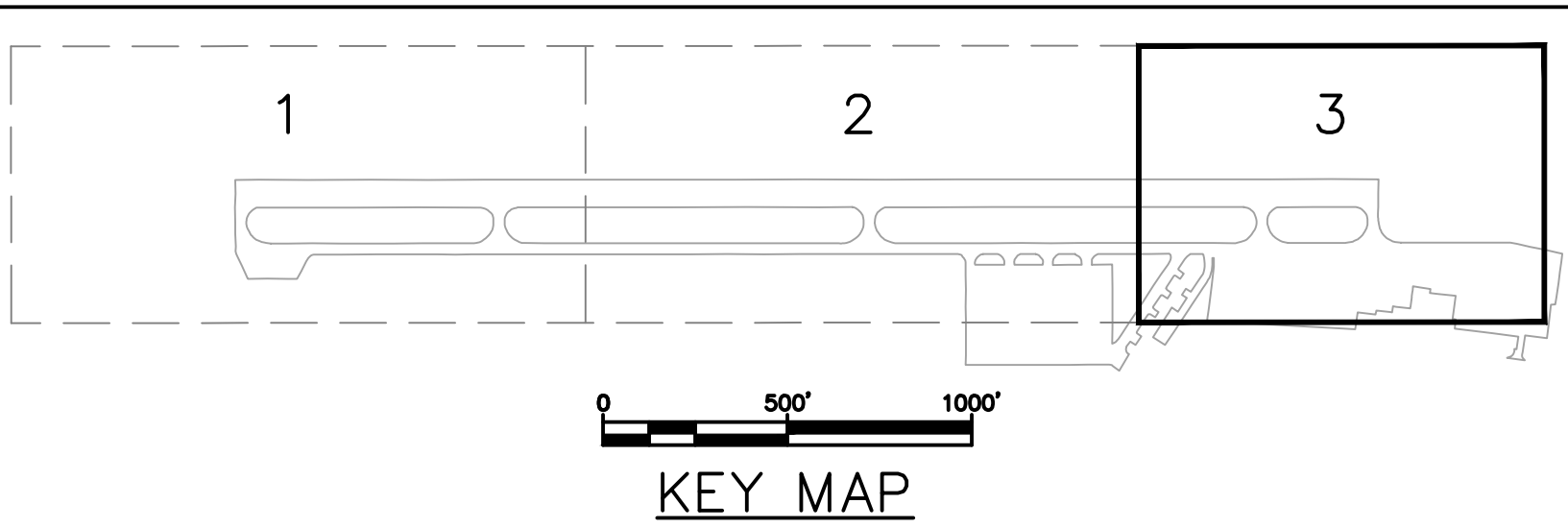


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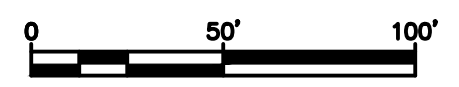
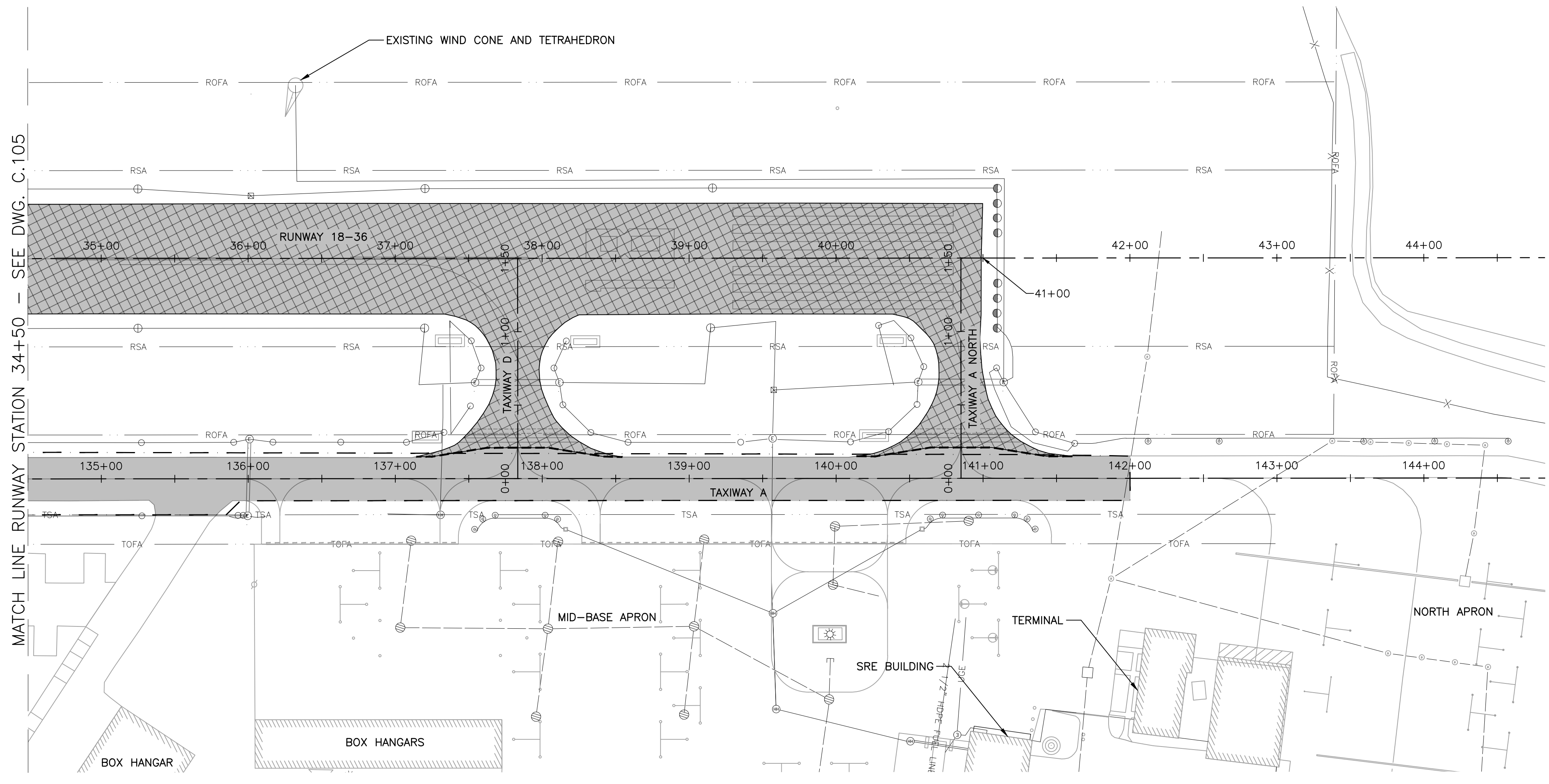
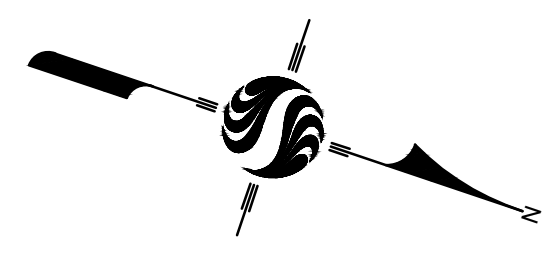
Client/Project	MERIDEN MARKHAM MUNICIPAL AIRPORT		
	RUNWAY 18-36 REHABILITATION		
	MERIDEN, CONNECTICUT		
File Name:	179450289	CAM Dwn.	PVE Chkd.
		CAM Dsgn.	21.04.07 YY.MM.DD

Title	
DEMOLITION PLAN SHEET 2 OF 3	
Project No.	Scale
179450289	AS SHOWN
Drawing No.	Sheet
C.105	9 of 31
Revision	



**LEGEND**

	FULL-DEPTH SAWCUT, INCIDENTAL TO RECLAIM ITEM
	DEMOLISH OBJECT
	DEMOLISH AS LENGTH INDICATES
	RECLAIM EXISTING PAVEMENT
	ADD ALT. No. 1 MILL AND HMA OVERLAY



Revision	By	Appd.	MM.DD.YY

Issued	By	Appd.	YY.MM.DD

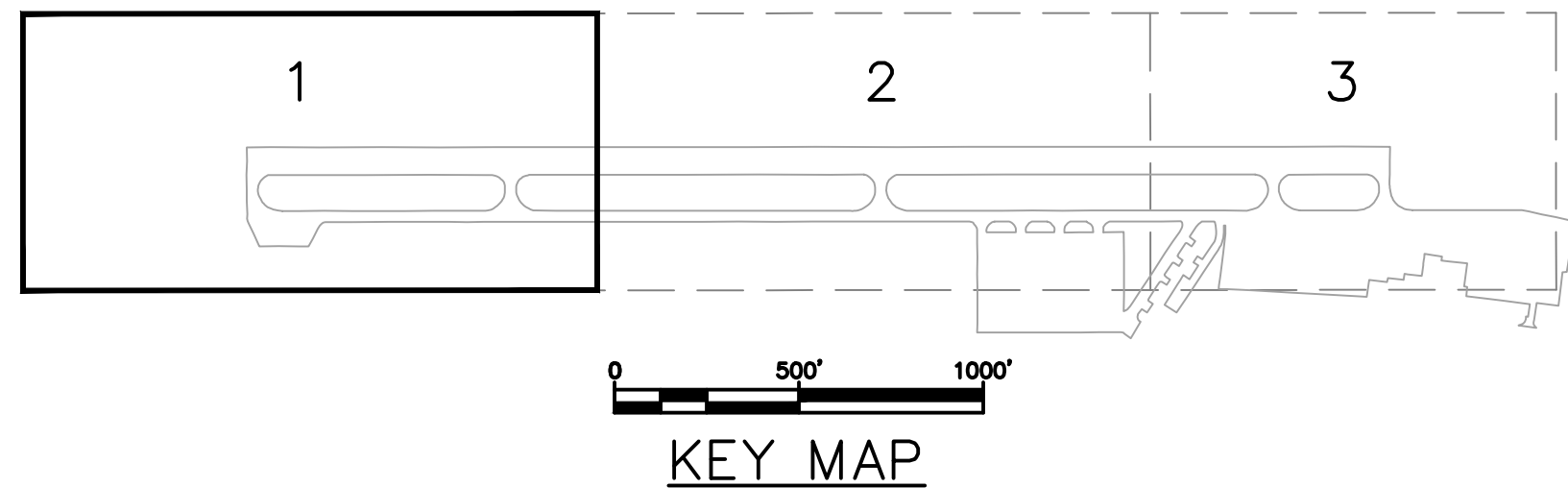


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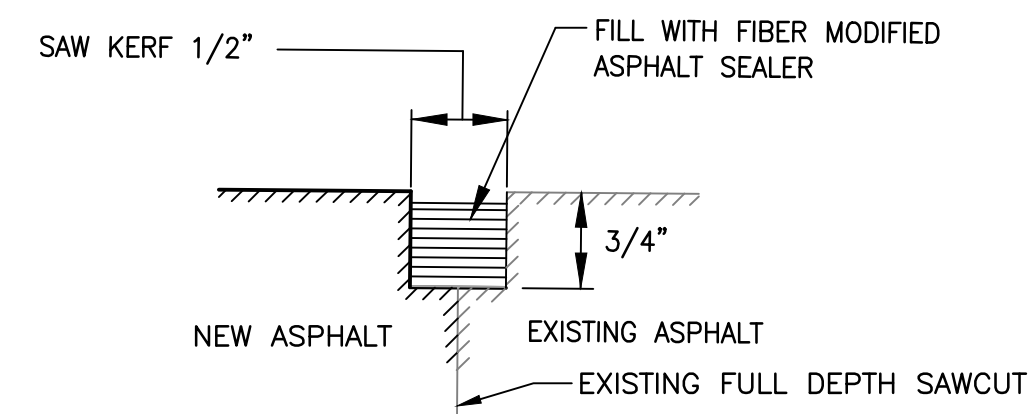
Client/Project			
MERIDEN MARKHAM MUNICIPAL AIRPORT			
RUNWAY 18-36 REHABILITATION			
MERIDEN, CONNECTICUT			
File Name: 179450289	CAM Dwn.	PVE Chkd.	CAM Dsgn. 21.04.07 YY.MM.DD

Title		
DEMOLITION PLAN SHEET 3 OF 3		
Project No. 179450289	Scale AS SHOWN	
Drawing No. C.105	Sheet 10 of 31	Revision



**NOTES:**

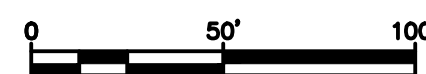
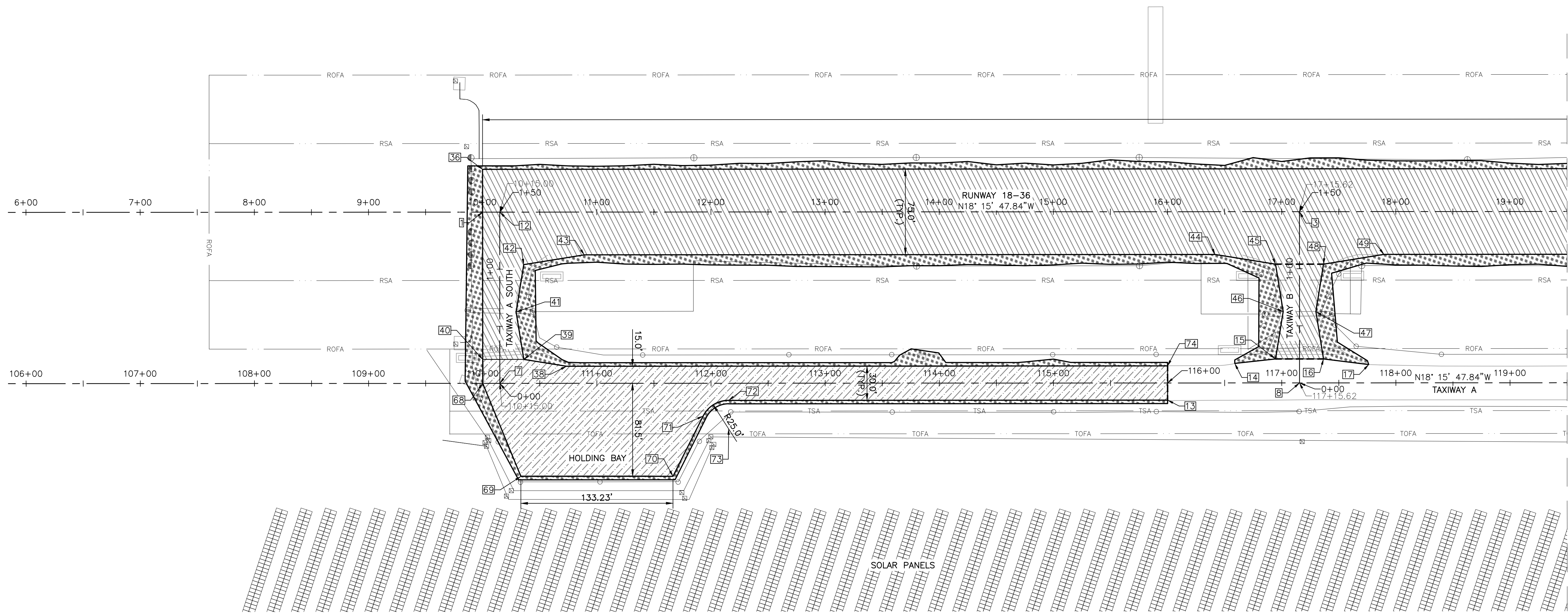
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2. FAA OWNED EQUIPMENT AND UNDERGROUND CABLES MUST BE PROTECTED AT ALL TIMES. ANY DAMAGE TO FAA OWNED EQUIPMENT OR UNDERGROUND CABLES MUST BE REPORTED AND REPAIRED IMMEDIATELY.
3. FOR ADD ALTERNATE No. 1 LAYOUT INFORMATION SEE SHEETS ADD 1A AND ADD 1B.



1 BITUMINOUS JOINT SAW AND SEAL DETAIL  
NOT TO SCALE

**LEGEND**

- IN-PLACE FULL DEPTH RECLAMATION  
4" HMA ON 7" RECYCLED BASE COURSE
- IN-PLACE FULL DEPTH RECLAMATION  
WITH CORRECTIVE AGGREGATE MATERIAL  
4" HMA ON 7" RECYCLED BASE COURSE
- TOPSOIL AND SEED
- BITUMINOUS JOINT SAW AND SEAL
- POINT I.D. #, SEE POINT TABLE, SHEET C.109



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RUNWAY 18-36 REHABILITATION

MERIDEN, CONNECTICUT

File Name: 179450289 CAM Dwn. PVE Chkd. CAM Dsgn. 21.04.07 YY.MM.DD

Title

PAVEMENT LAYOUT PLAN  
SHEET 1 OF 3

Project No.  
179450289

Scale  
AS SHOWN

Drawing No.

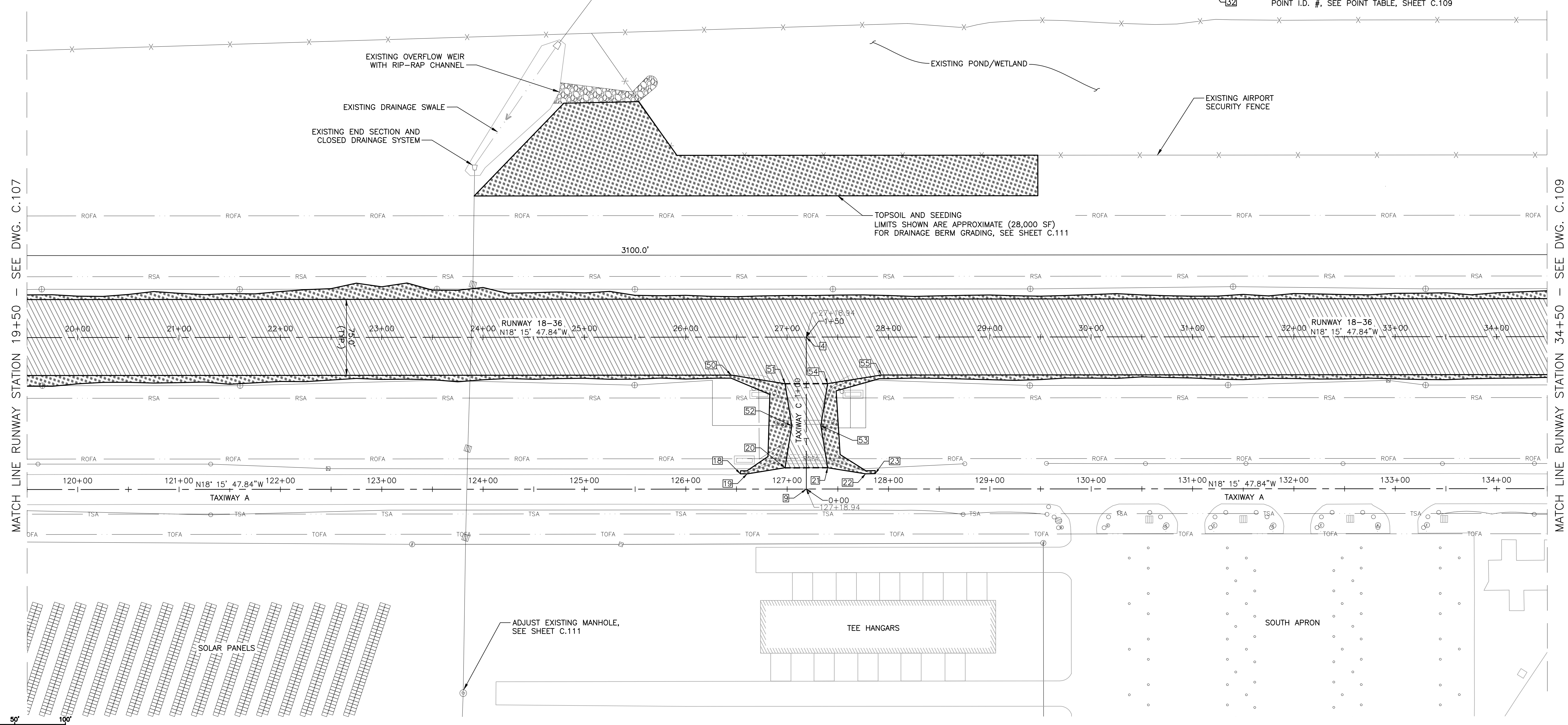
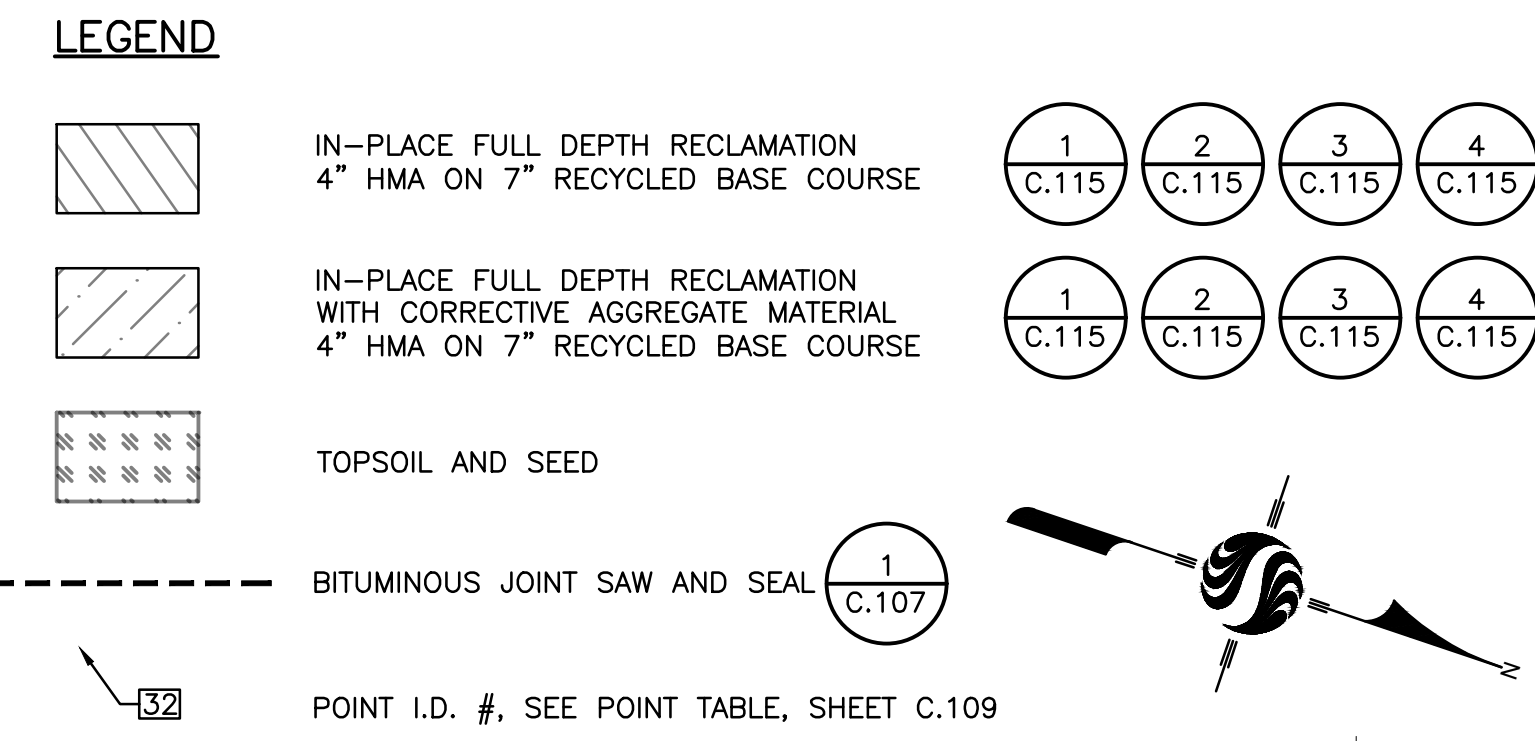
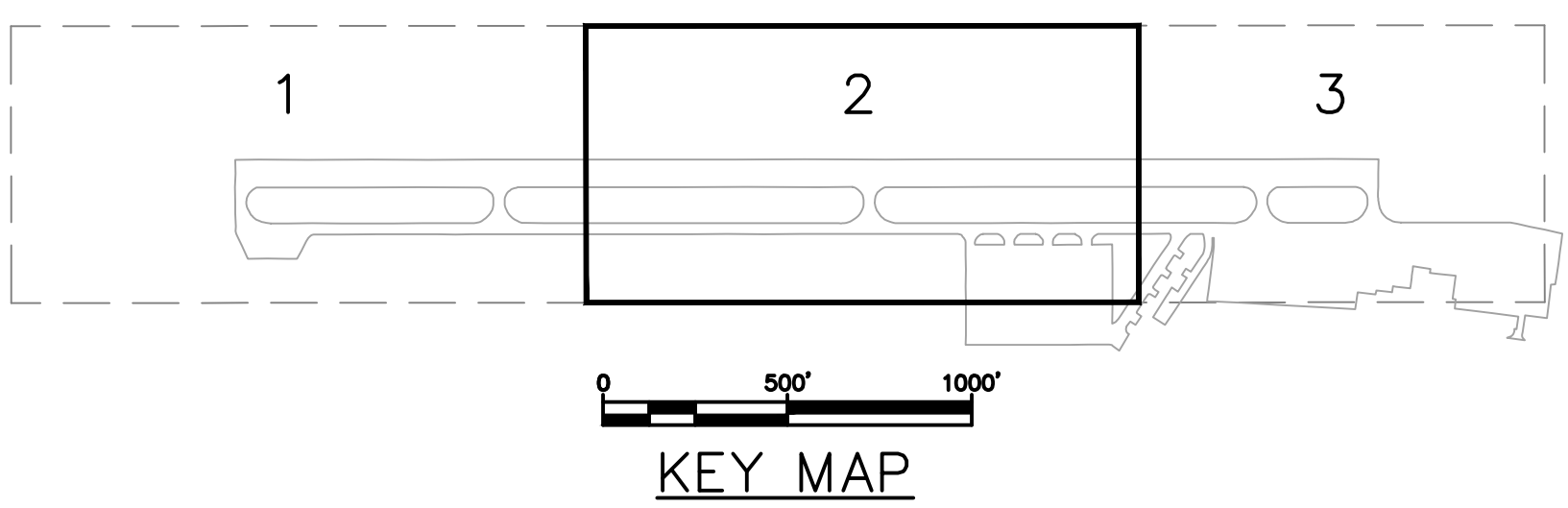
Sheet

Revision

C.107

11 of 31

MATCH LINE RUNWAY STATION 19+50 - SEE DWG. C.108



Revision	By	Appd.	MM.DD.YY	Issued	By	Appd.	YY.MM.DD

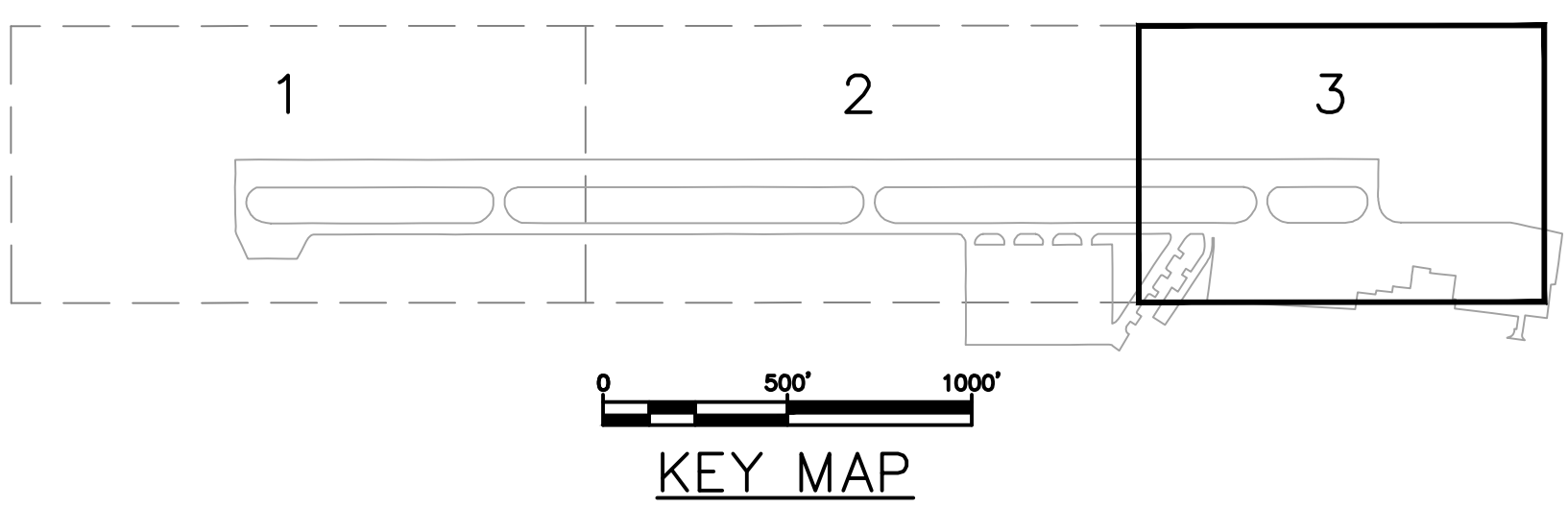


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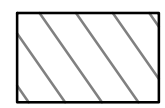
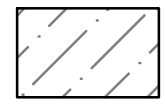

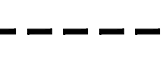
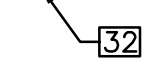
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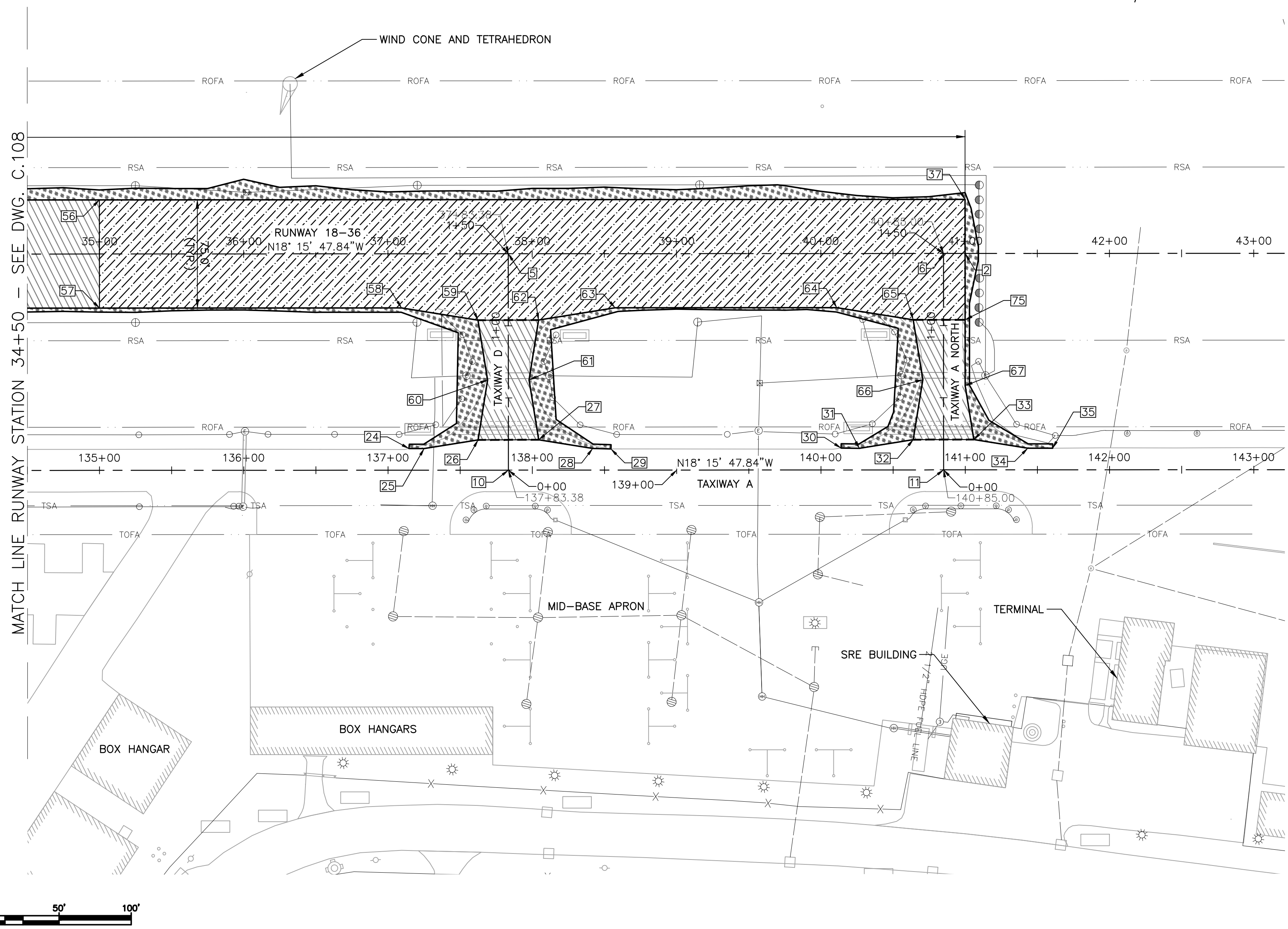
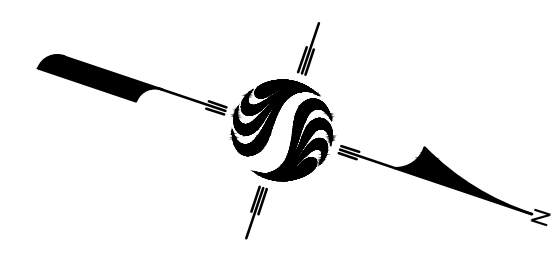
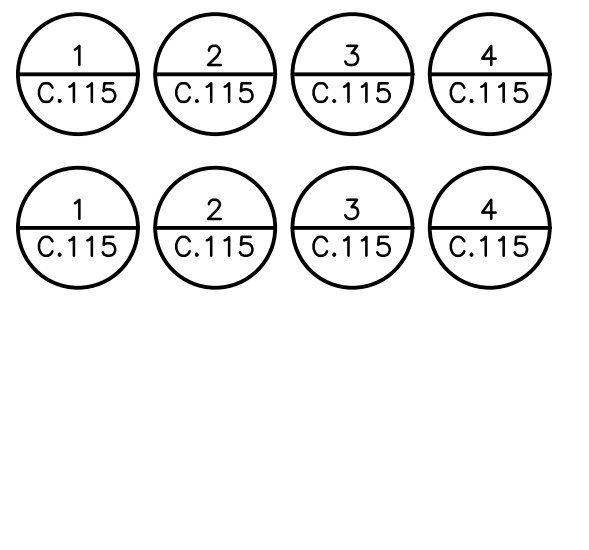
Client/Project			
MERIDEN MARKHAM MUNICIPAL AIRPORT			
RUNWAY 18-36 REHABILITATION			
MERIDEN, CONNECTICUT			
File Name: 179450289	CAM Dwn.	PVE Chkd.	CAM Dsgn. 21.04.07 YY.MM.DD

Title	
PAVEMENT LAYOUT PLAN SHEET 2 OF 3	
Project No. 179450289	Scale AS SHOWN
Drawing No. C.108	Sheet 12 of 31
	Revision



**LEGEND**

-  IN-PLACE FULL DEPTH RECLAMATION  
4" HMA ON 7" RECYCLED BASE COURSE
-  IN-PLACE FULL DEPTH RECLAMATION  
WITH CORRECTIVE AGGREGATE MATERIAL  
4" HMA ON 7" RECYCLED BASE COURSE
-  TOPSOIL AND SEED
-  BITUMINOUS JOINT SAW AND SEAL
-  POINT I.D. #, SEE POINT TABLE, SHEET C.109




Point Table				
Point #	Northing	Easting	Elevation	Description
1	744623.30	978717.98	98.31	RW 18-36 STA: 10+00
2	747567.14	977746.49	102.55	RW 18-36 STA: 41+00
3	745302.87	978493.72	98.63	RW 18-36 & TW B
4	746255.67	978179.34	97.78	RW 18-36 & TW C
5	747266.47	977845.71	102.04	RW 18-36 & TW D
6	747552.95	977751.17	102.55	RW 18-36 & TW A NORTH
7	744684.55	978855.72	95.94	TW A & TW A SOUTH
8	745349.88	978636.16	96.27	TW A & TW B
9	746302.66	978321.74	0.00	TW A & TW C
10	747313.48	977988.16	100.13	TW A & TW D
11	747599.91	977893.63	100.29	TW A & TW A NORTH
12	744637.54	978713.28	98.34	RW 18-36 & TW A NORTH
13	745244.78	978686.64	96.19	SAWCUT, MATCH EX.
14	745290.63	978637.72	96.25	MATCH EX.
15	745323.36	978622.80	96.43	SAWCUT & TW FILLET
16	745363.24	978609.64	96.39	SAWCUT & TW FILLET
17	745402.35	978601.95	96.14	MATCH EX.
18	746236.06	978327.84	96.10	MATCH EX.
19	746242.48	978325.76	96.10	TW FILLET
20	746276.14	978308.37	96.67	SAWCUT & TW FILLET
21	746316.02	978295.21	96.80	SAWCUT & TW FILLET
22	746353.42	978289.15	96.73	TW FILLET
23	746362.45	978285.98	96.10	MATCH EX.
24	747243.33	977995.49	96.10	MATCH EX.
25	747253.31	977992.22	100.03	TW FILLET
26	747286.96	977974.80	100.18	SAWCUT & TW FILLET
27	747326.84	977961.63	100.35	SAWCUT & TW FILLET
28	747364.25	977955.61	100.29	TW FILLET
29	747376.38	977952.00	100.84	MATCH EX.
30	747527.71	977901.48	100.49	MATCH EX.
31	747539.74	977897.69	100.49	TW FILLET
32	747573.38	977880.27	100.74	SAWCUT & TW FILLET
33	747613.27	977867.11	100.76	SAWCUT & TW FILLET
34	747650.67	977861.00	100.66	TW FILLET
35	747667.05	977855.68	100.72	MATCH EX.
36	744611.55	978682.37	97.75	PAVEMENT CORNER
37	747555.39	977710.88	101.99	PAVEMENT CORNER
38	744735.32	978823.17	95.87	TW FILLET
39	744697.91	978829.20	95.92	TW FILLET
40	744663.73	978840.48	95.84	RECLAIM METHOD CHANGE

Point Table				
Point #	Northing	Easting	Elevation	Description
41	744678.59	978791.88	96.62	TW FILLET
42	744671.90	978750.38	97.36	TW FILLET
43	744719.57	978725.70	97.92	TW FILLET
44	745244.35	978552.52	98.16	TW FILLET
45	745297.35	978543.98	97.76	TW FILLET
46	745316.67	978581.30	97.01	TW FILLET
47	745343.91	978572.31	97.03	TW FILLET
48	745337.23	978530.82	97.77	TW FILLET
49	745384.90	978506.14	97.96	TW FILLET
50	746197.13	978238.09	96.95	TW FILLET
51	746250.12	978229.56	97.05	TW FILLET
52	746269.48	978267.07	96.88	TW FILLET
53	746296.69	978257.89	96.89	TW FILLET
54	746290.01	978216.39	97.10	TW FILLET
55	746337.68	978191.71	97.52	TW FILLET
56	746985.61	977898.91	100.35	CHANGE RECLAIM METHOD
57	747009.12	977970.13	100.35	CHANGE RECLAIM METHOD
58	747207.95	977904.51	101.19	TW FILLET
59	747260.94	977895.98	101.25	TW FILLET & CHANGE IN RECLAIM METHOD
60	747280.27	977933.30	100.66	TW FILLET
61	747307.51	977924.31	100.66	TW FILLET
62	747300.83	977882.81	101.31	TW FILLET & CHANGE RECLAIM METHOD
63	747348.50	977858.13	101.77	TW FILLET
64	747494.38	977809.99	101.99	TW FILLET
65	747547.37	977801.45	101.88	TW FILLET & CHANGE RECLAIM METHOD
66	747566.70	977838.78	101.12	TW FILLET
67	747595.84	977833.46	101.06	TW FILLET
68	744670.31	978860.42	95.87	PAVEMENT CORNER
69	744727.55	978927.36	94.88	PAVEMENT CORNER
70	744854.07	978885.61	95.10	PAVEMENT CORNER
71	744862.68	978827.25	95.87	PAVEMENT EDGE
72	744879.58	978807.16	96.10	PAVEMENT EDGE
73	744887.41	978830.90	0.00	RADIUS CENTER
74	745235.38	978658.15	96.25	SAWCUT, MATCH EX.
75	747581.56	977790.17	101.72	CHANGE RECLAIM METHOD

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Client/Project  
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RUNWAY 18-36 REHABILITATION

MERIDEN, CONNECTICUT

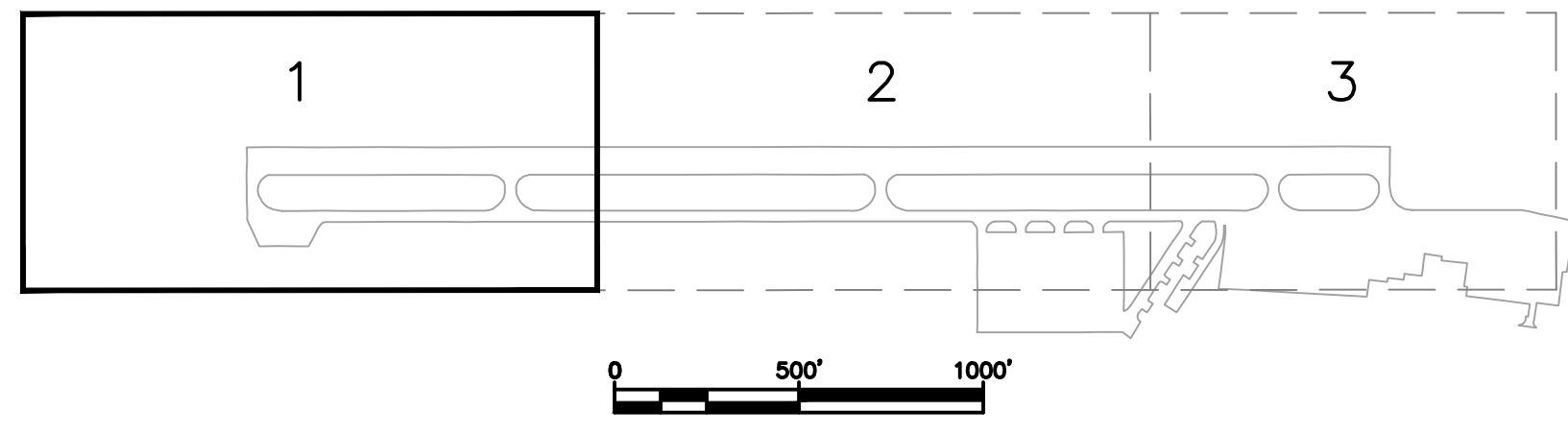
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CAM: 21.04.07  
Dwn: Chkd: Dsgn: YY.MM.DD

Title  
PAVEMENT LAYOUT PLAN  
SHEET 3 OF 3

Project No. 179450289  
Drawing No. C.109

Scale AS SHOWN  
Sheet 13 of 31  
Revision

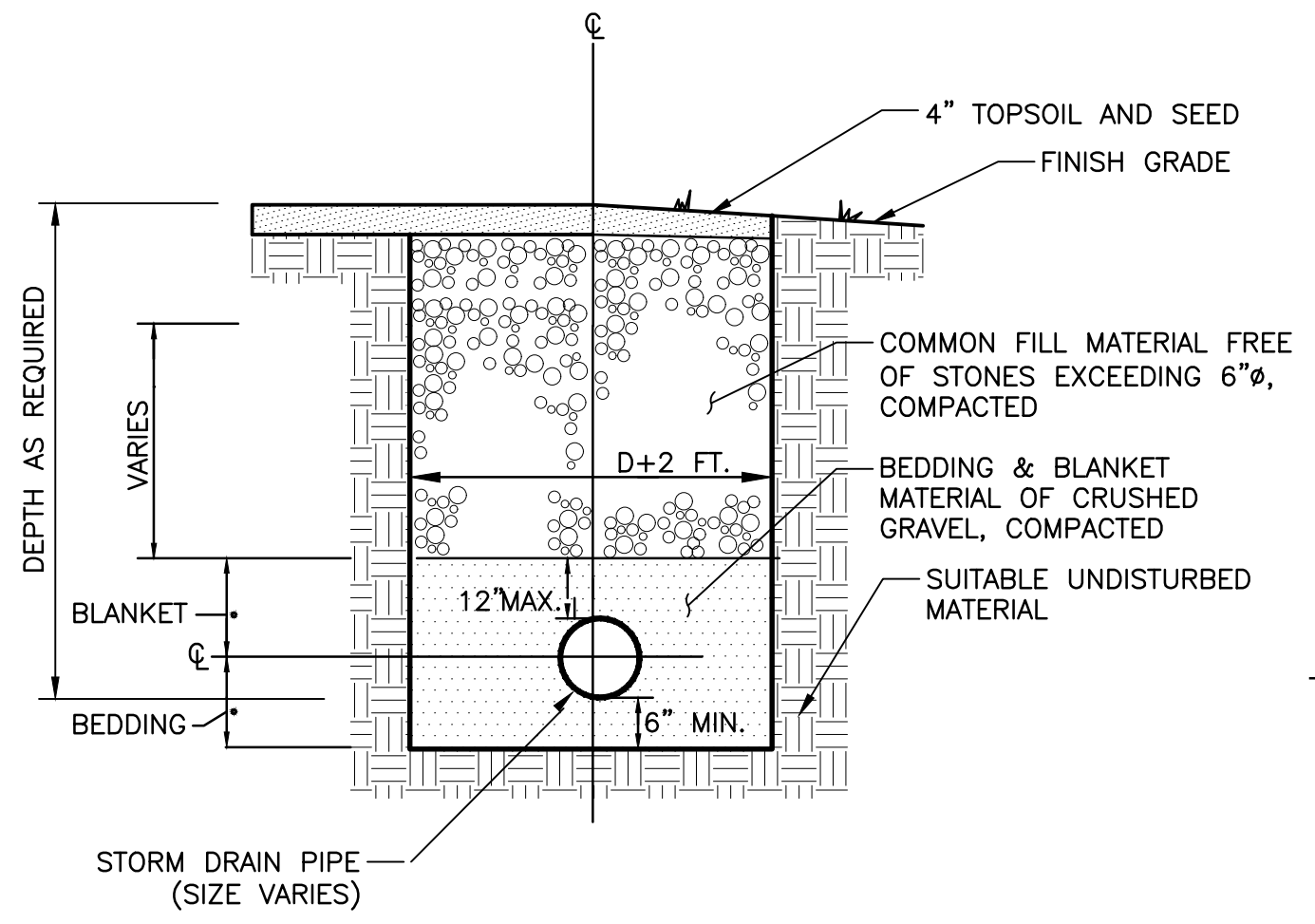


KEY MAP

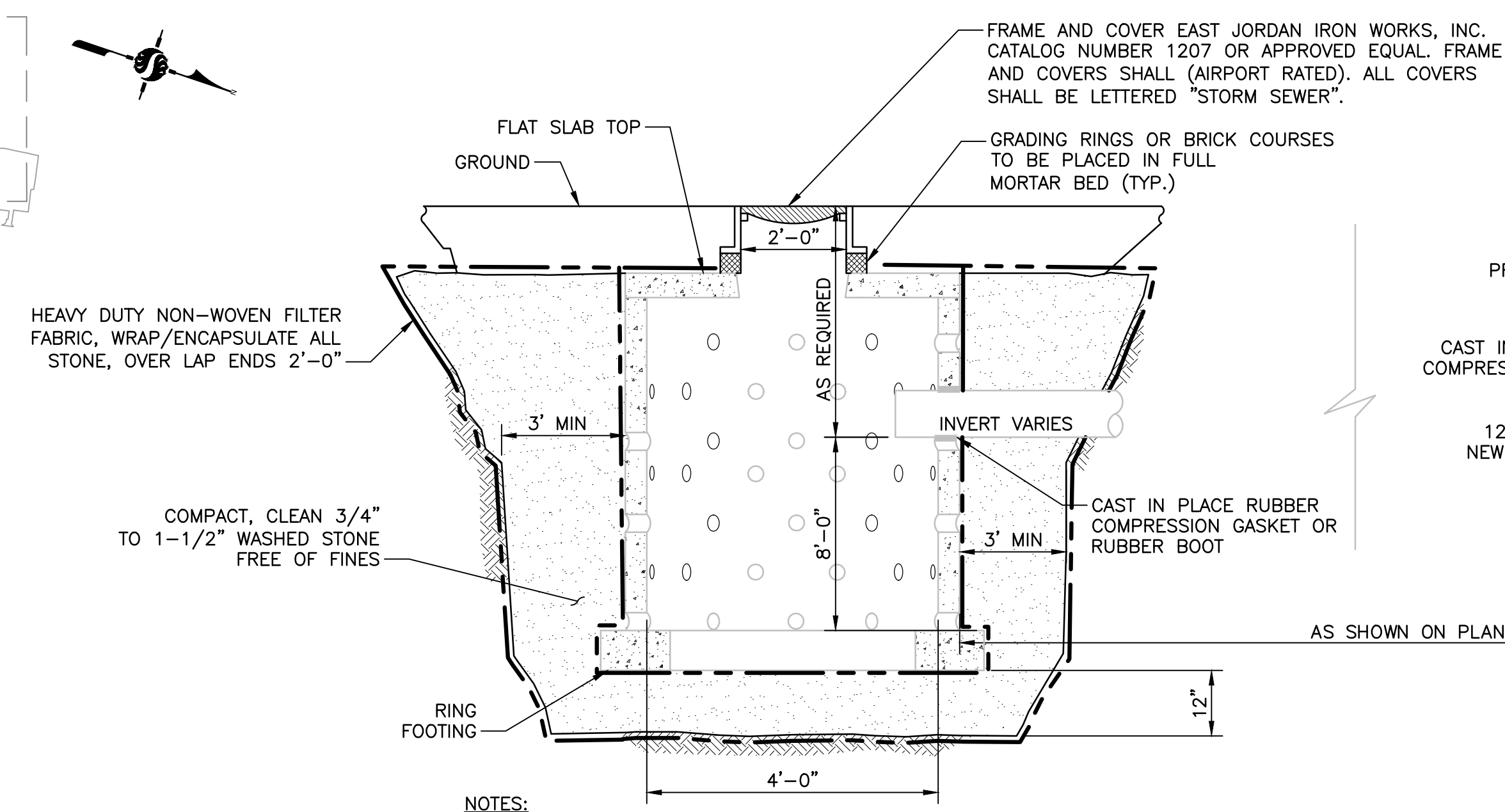
**LEGEND**

TOFA	TAXIWAY OBJECT FREE AREA
TSA	TAXIWAY SAFETY AREA
ROFA	RUNWAY OBJECT FREE AREA
RSA	RUNWAY SAFETY AREA
99.0	EXISTING MAJOR CONTOUR
99.2	EXISTING MINOR CONTOUR
100.0	PROPOSED MAJOR CONTOUR
99.8	PROPOSED MINOR CONTOUR

**NOTE:**  
FOR ELEVATIONS SEE POINT TABLE ON SHEET C1.09

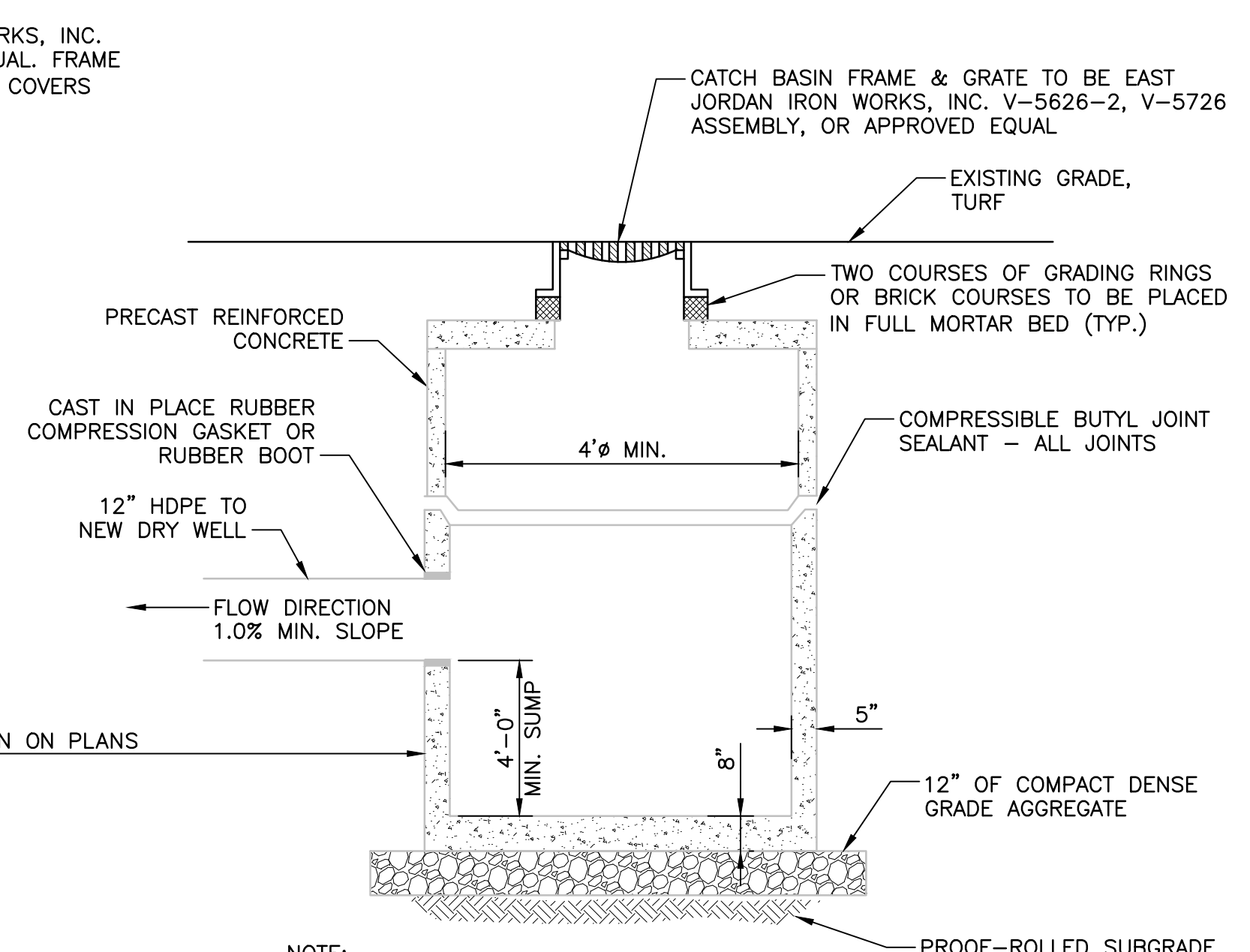


3 STORM DRAIN DETAIL  
NOT TO SCALE



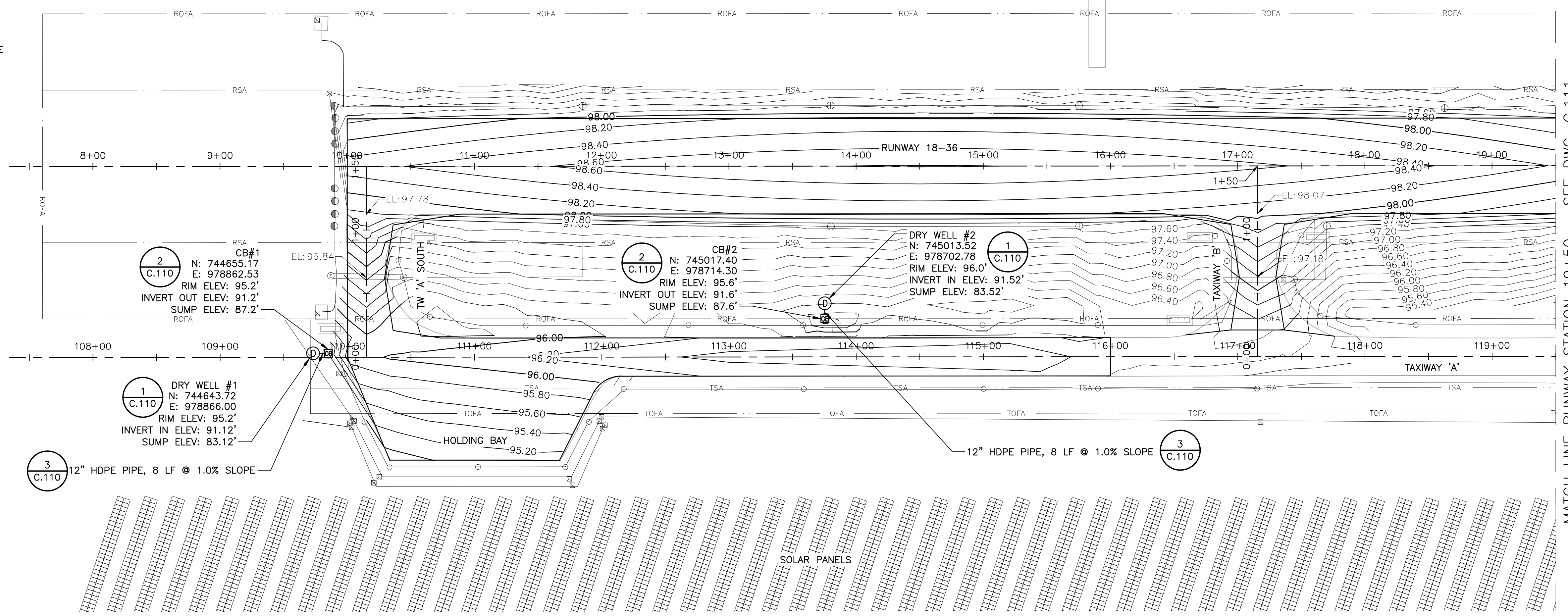
- NOTES:**
- CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
  - ALL STRUCTURES ARE LOCATED OUTSIDE RSA AND TSA AND SHALL BE MANUFACTURED FOR HS-20 LOAD RATING.

1 PRECAST REINFORCED DRYWELL DETAIL  
NOT TO SCALE

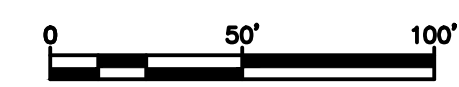


- NOTE:**
- CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
  - ALL STRUCTURES ARE LOCATED OUTSIDE RSA AND TSA AND SHALL BE MANUFACTURED FOR HS-20 LOAD RATING.

2 CATCHBASIN DETAIL  
NOT TO SCALE



MATCH LINE RUNWAY STATION 19+50 - SEE DWG. C.111



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RUNWAY 18-36 REHABILITATION  
  
MERIDEN, CONNECTICUT

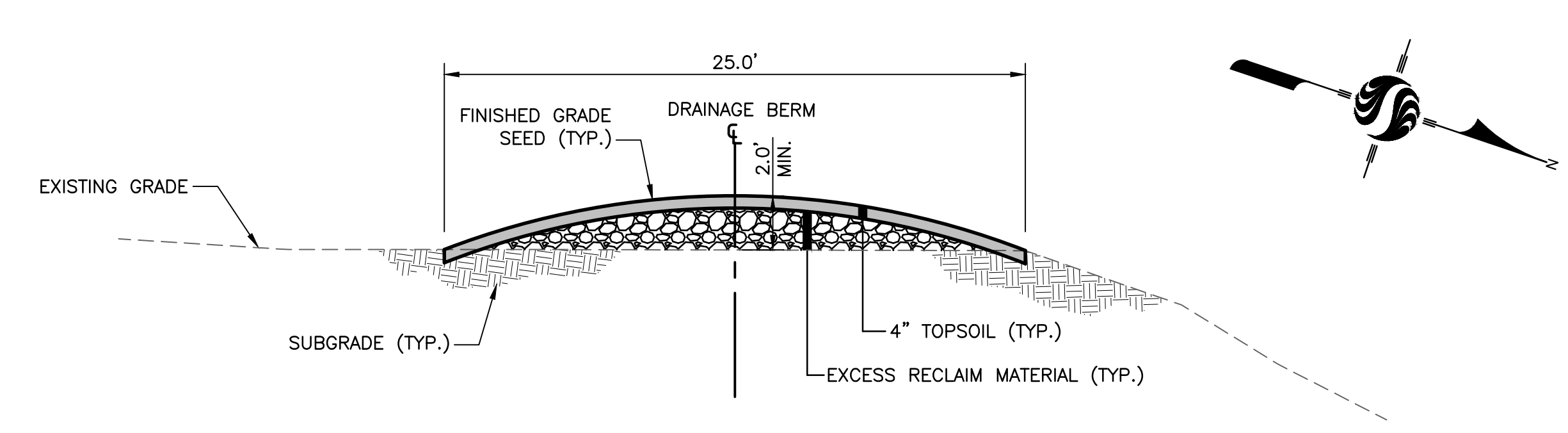
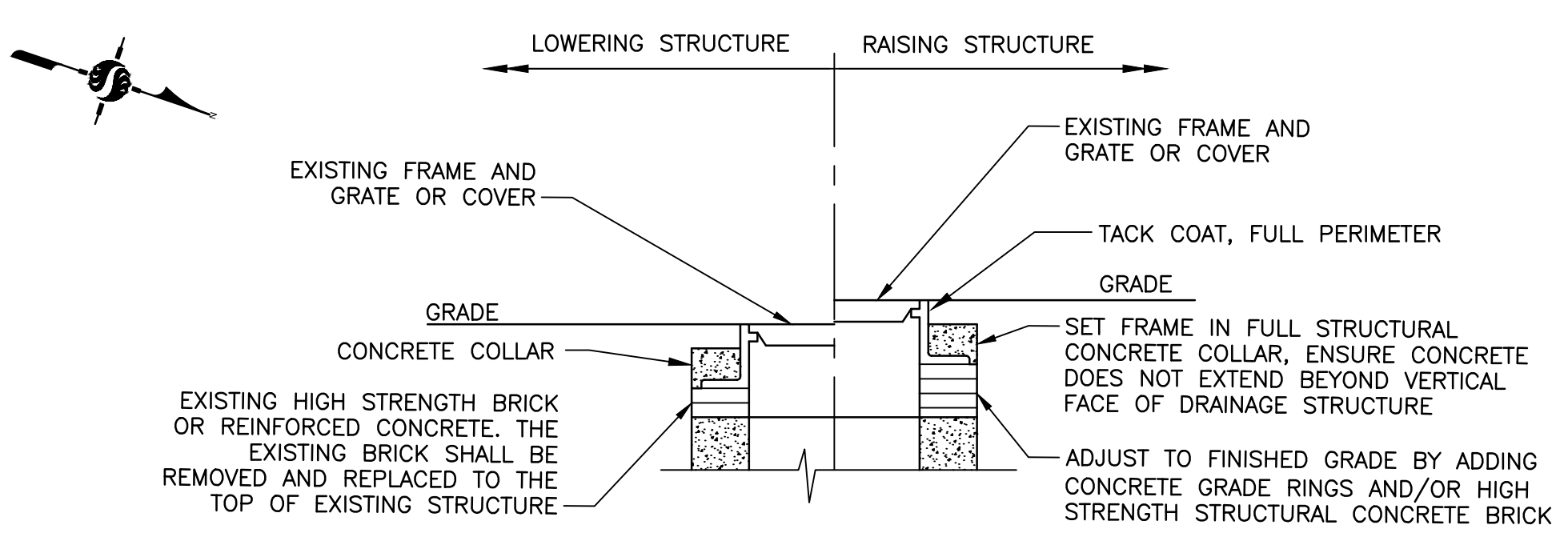
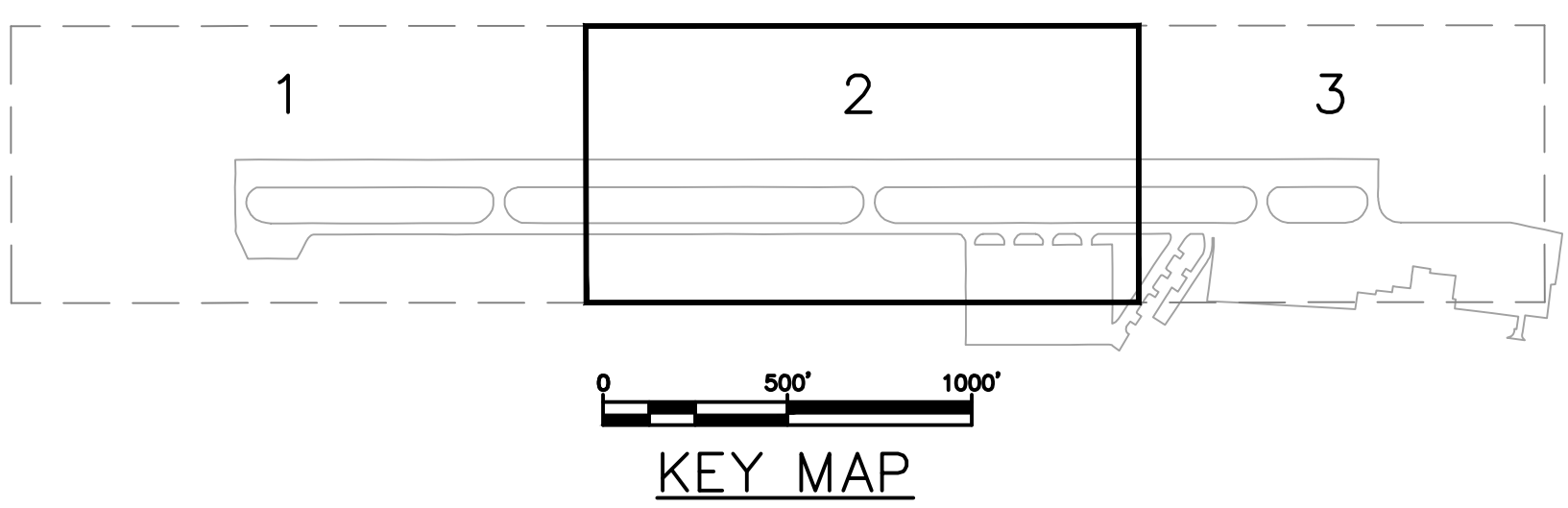
Title  
GRADING PLAN  
SHEET 1 OF 3

Project No. 179450289	Scale AS SHOWN
Drawing No.	Sheet Revision

C.110 14 of 31

Revision	By	Appd.	MM.DD.YY

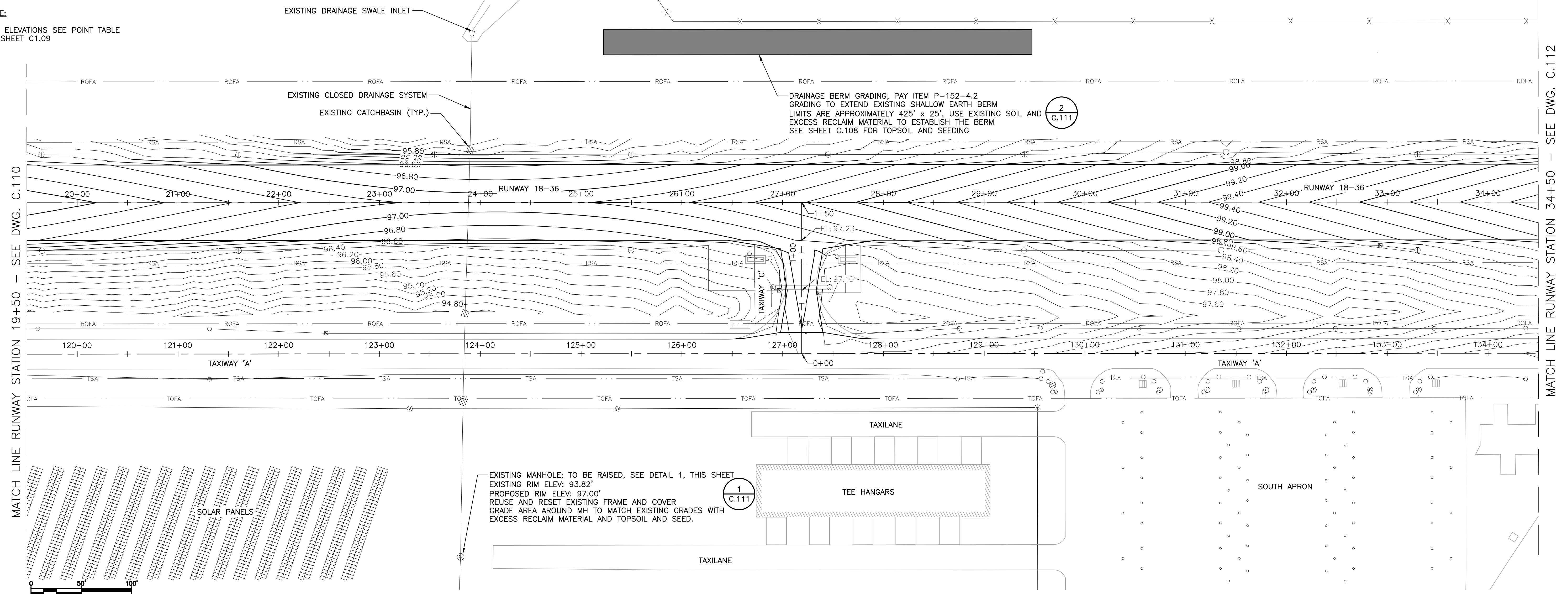
Issued	By	Appd.	YY.MM.DD



**LEGEND**

- TOFA TAXIWAY OBJECT FREE AREA
- TSA TAXIWAY SAFETY AREA
- ROFA RUNWAY OBJECT FREE AREA
- RSA RUNWAY SAFETY AREA
- 99.0 EXISTING MAJOR CONTOUR
- 99.2 EXISTING MINOR CONTOUR
- 100.0 PROPOSED MAJOR CONTOUR
- 99.8 PROPOSED MINOR CONTOUR

**NOTE:**  
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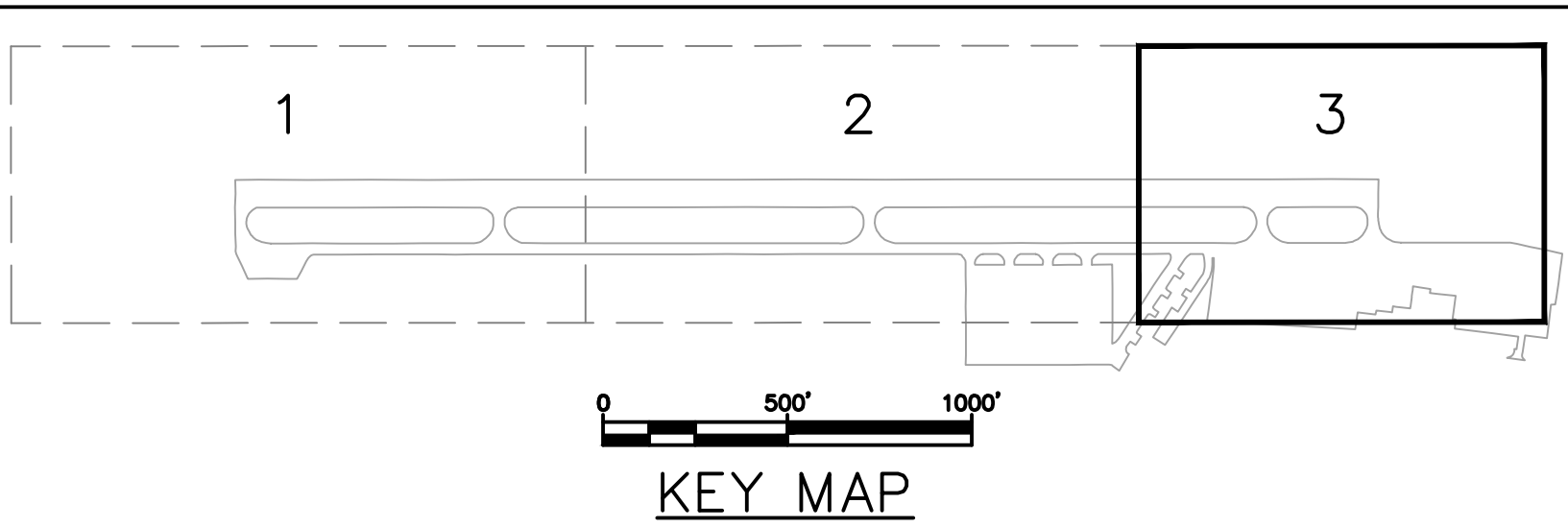


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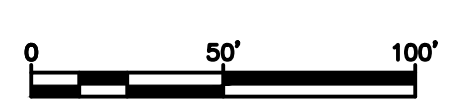
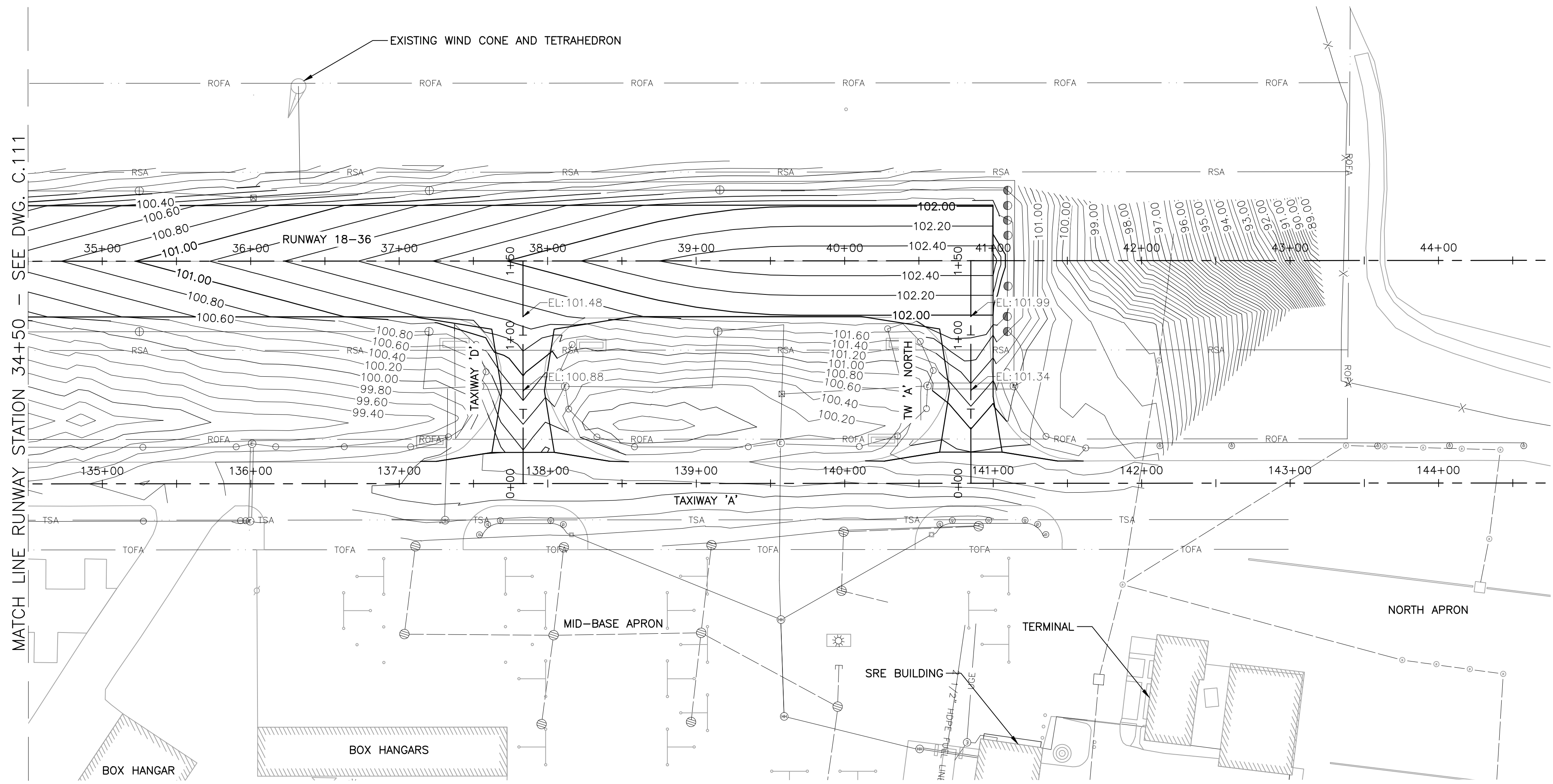
Client/Project	MERIDEN MARKHAM MUNICIPAL AIRPORT
	RUNWAY 18-36 REHABILITATION
	MERIDEN, CONNECTICUT
File Name:	17945028P
CAM Dwn.	PVE Chkd.
CAM Dsgn.	21.04.07 YY,MM,DD

Title	
GRADING PLAN SHEET 2 OF 3	
Project No.	Scale
179450289	AS SHOWN
Drawing No.	Sheet
C.111	15 of 31



- LEGEND**
- TOFA — TAXIWAY OBJECT FREE AREA
  - TSA — TAXIWAY SAFETY AREA
  - ROFA — RUNWAY OBJECT FREE AREA
  - RSA — RUNWAY SAFETY AREA
  - 99.0 — EXISTING MAJOR CONTOUR
  - 99.2 — EXISTING MINOR CONTOUR
  - 100.0 — PROPOSED MAJOR CONTOUR
  - 99.8 — PROPOSED MINOR CONTOUR

**NOTE:**  
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ON SHEET C1.09



Revision	By	Appd.	MM.DD.YY

Issued	By	Appd.	YY.MM.DD



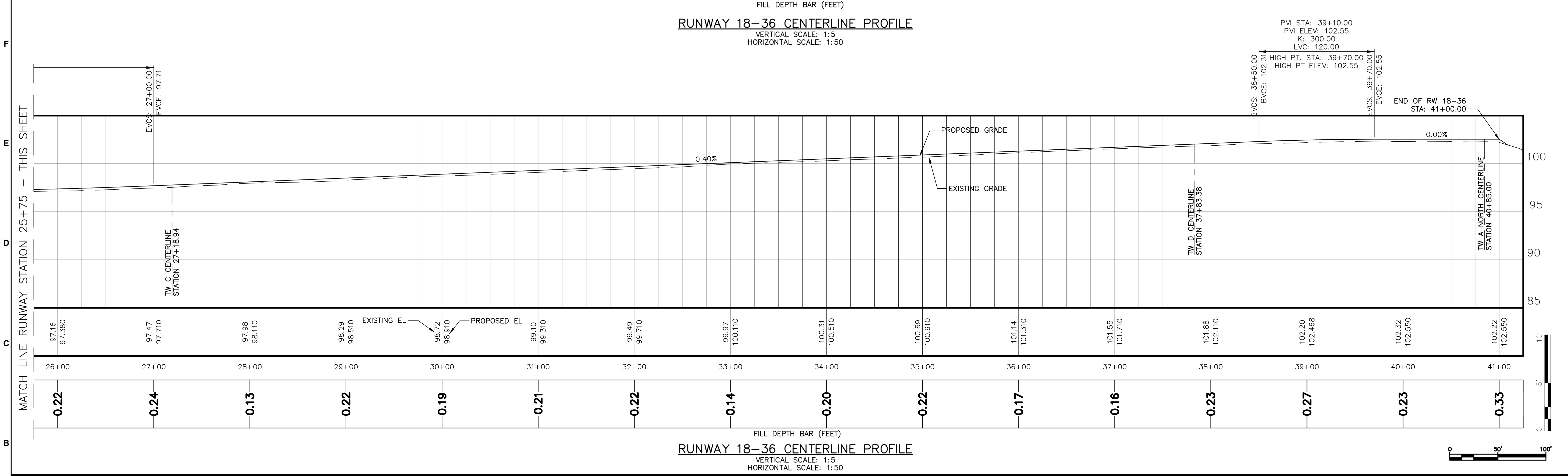
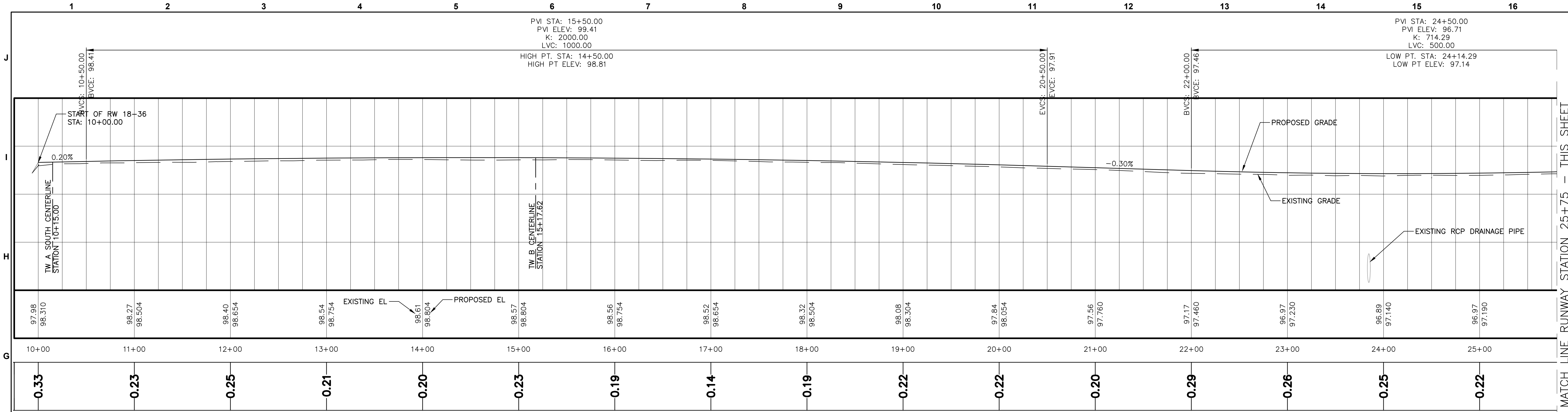
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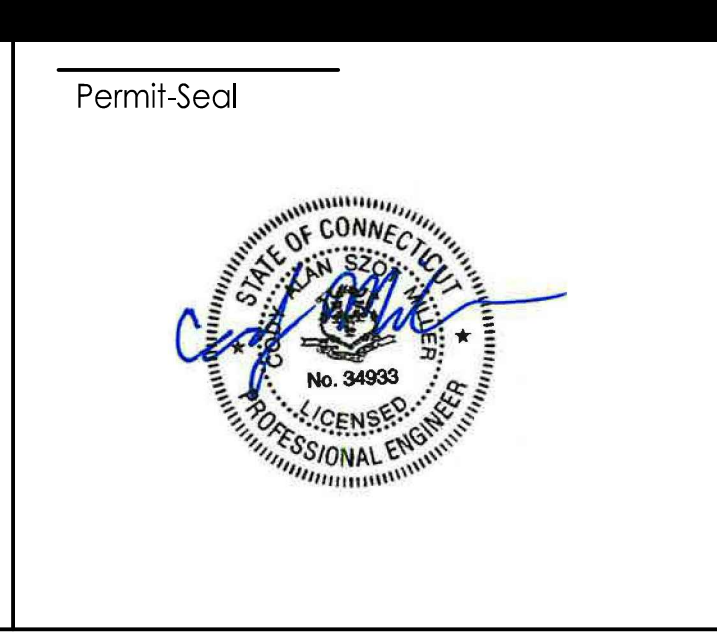
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MERIDEN MARKHAM MUNICIPAL AIRPORT			
RUNWAY 18-36 REHABILITATION			
MERIDEN, CONNECTICUT			
File Name: 179450289	CAM Dwn.	PVE Chkd.	CAM Dsgn. 21.04.07 YY.MM.DD

Title	
GRADING PLAN SHEET 3 OF 3	
Project No. 179450289	Scale AS SHOWN
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RUNWAY 18-36 REHABILITATION

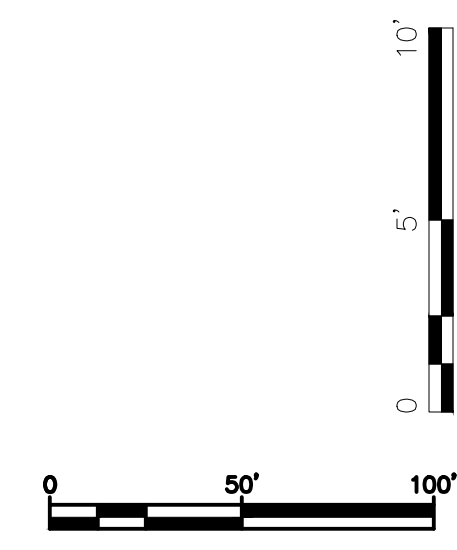
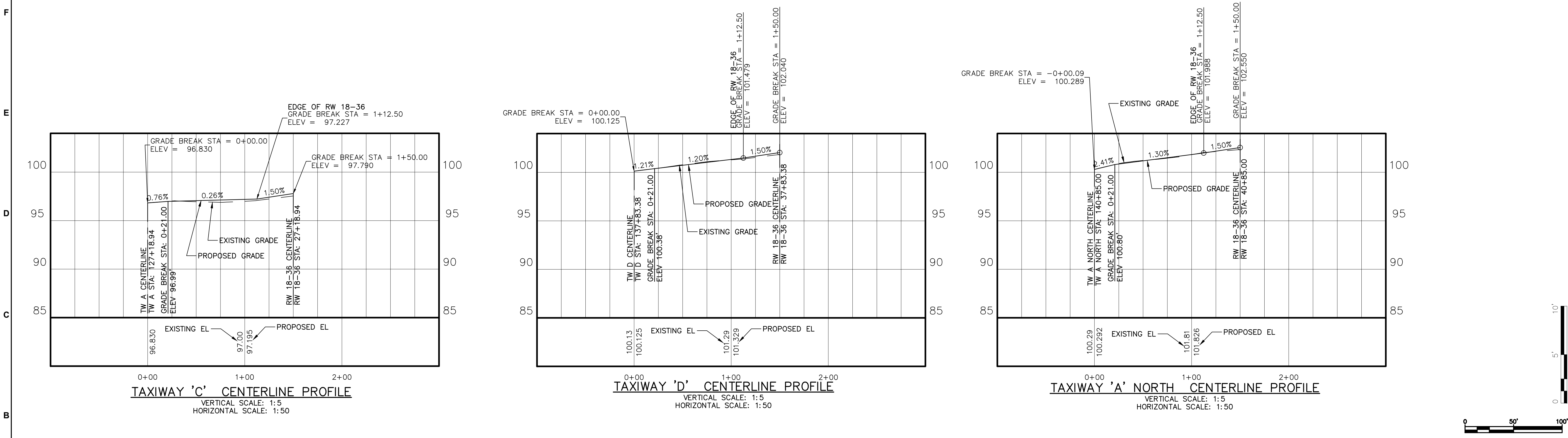
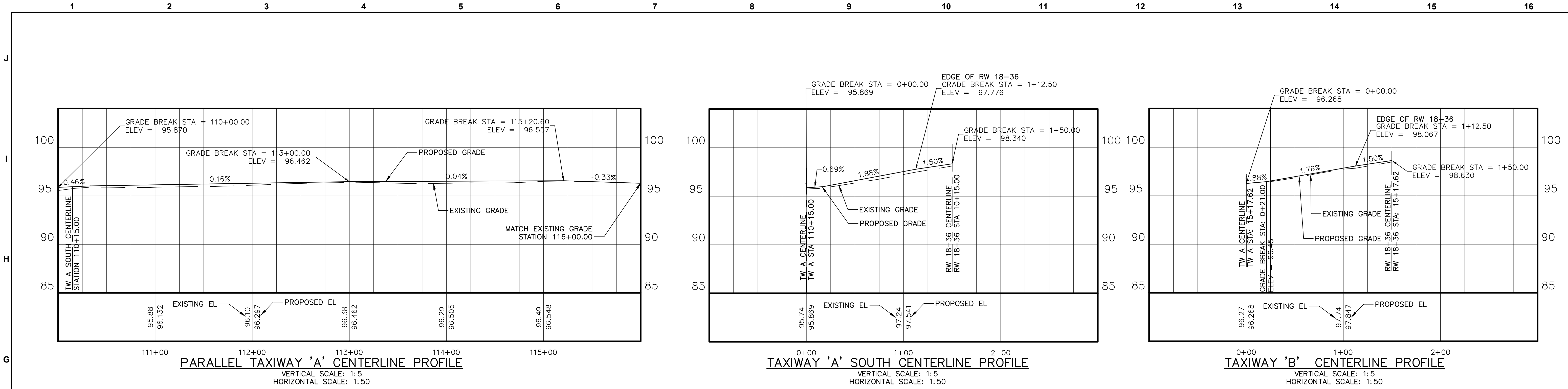
MERIDEN, CONNECTICUT

File Name: 17945028? CAM Dwn. PVE Chkd. CAM Dsgn. 21.04.07 YY.MM.DD

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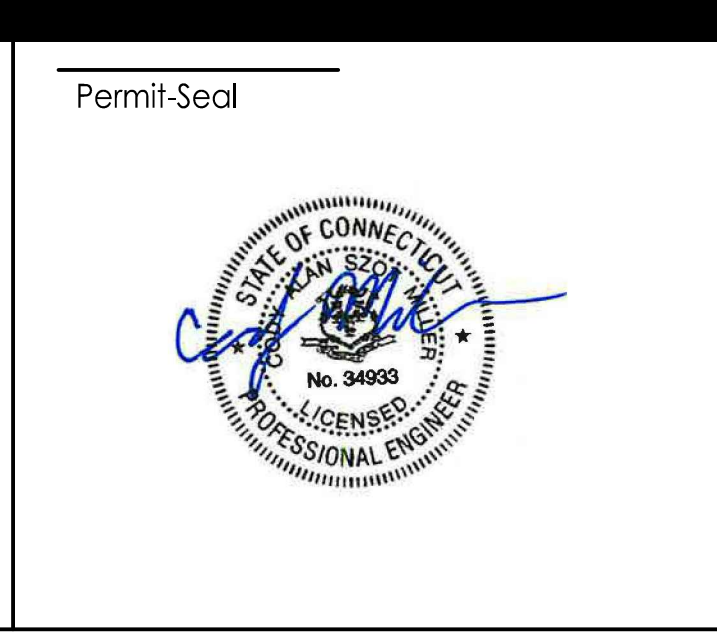
Project No. 179450289 Scale AS SHOWN

Drawing No. C.113 Sheet 17 of 31 Revision



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Issued	By	Appd.	YY.MM.DD

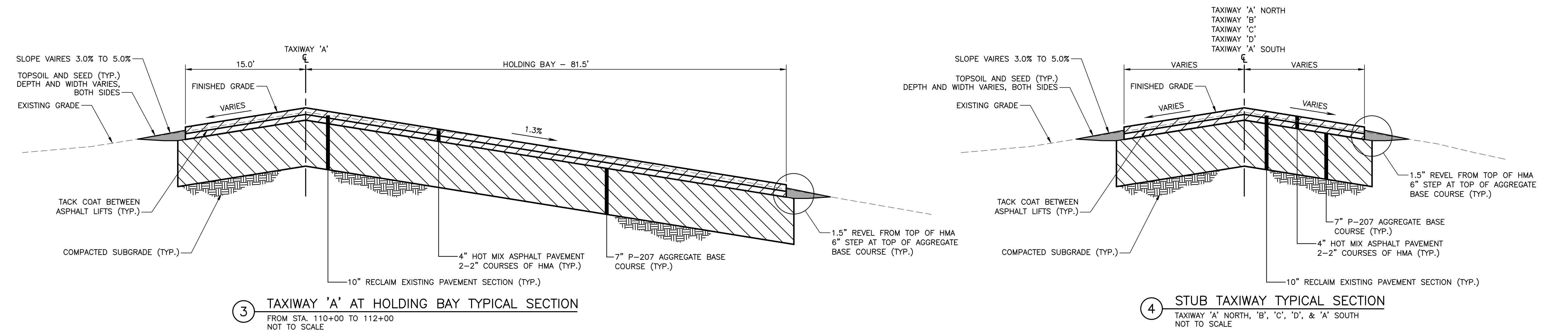
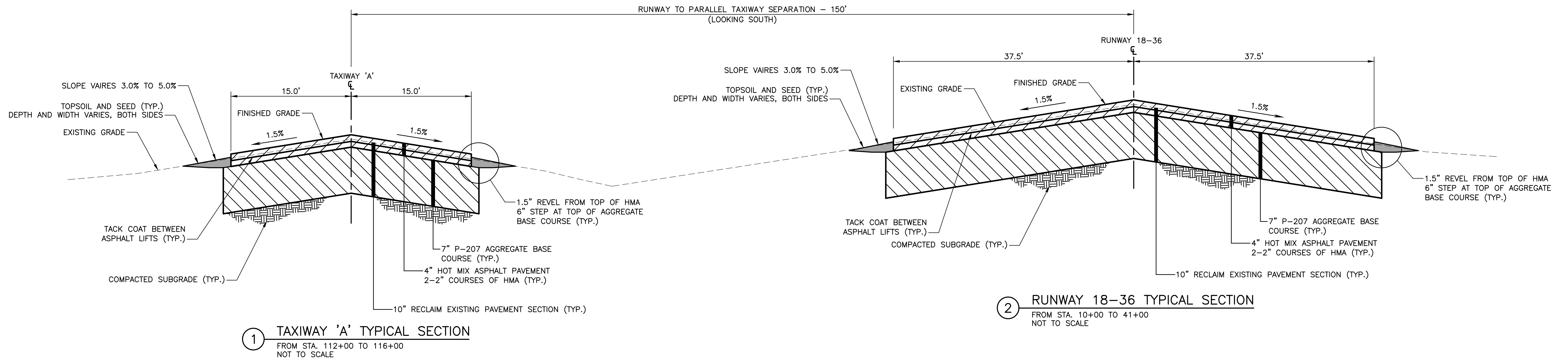


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	RUNWAY 18-36 REHABILITATION		
	MERIDEN, CONNECTICUT		
File Name:	17945028P	CAM Dwn.	PVE Chkd.
		CAM Dsgn.	21.04.07 YY.MM.DD

Title		TAXIWAY CENTERLINE PROFILES	
Project No.	179450289	Scale	AS SHOWN
Drawing No.	C.114	Sheet	18 of 31
		Revision	



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Issued	By	Appd.	YY.MM.DD

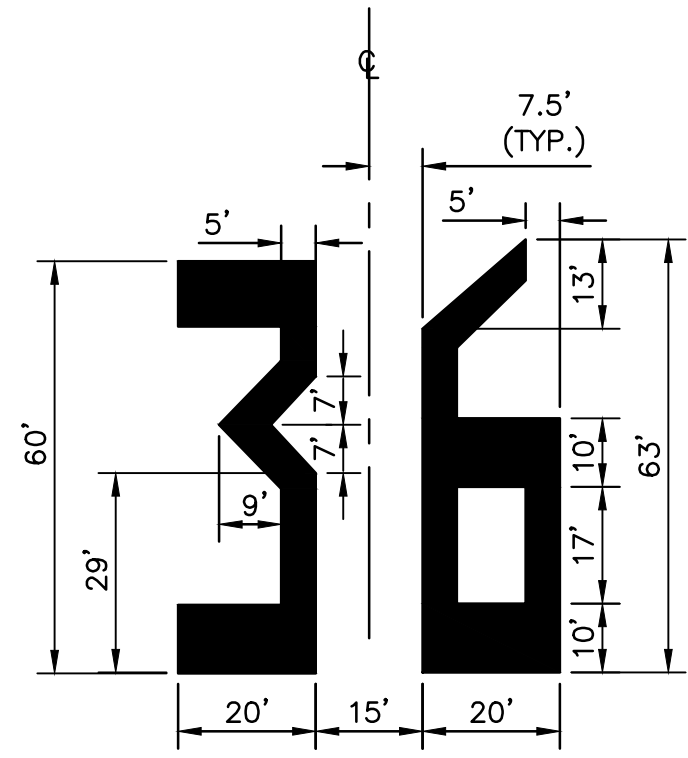
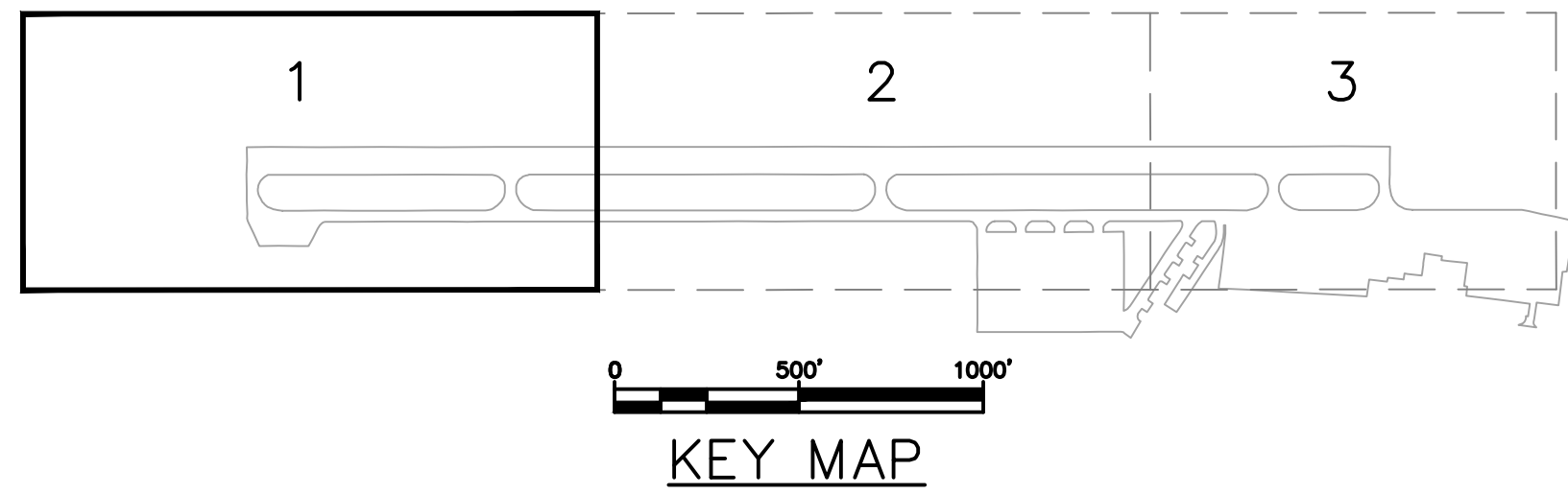


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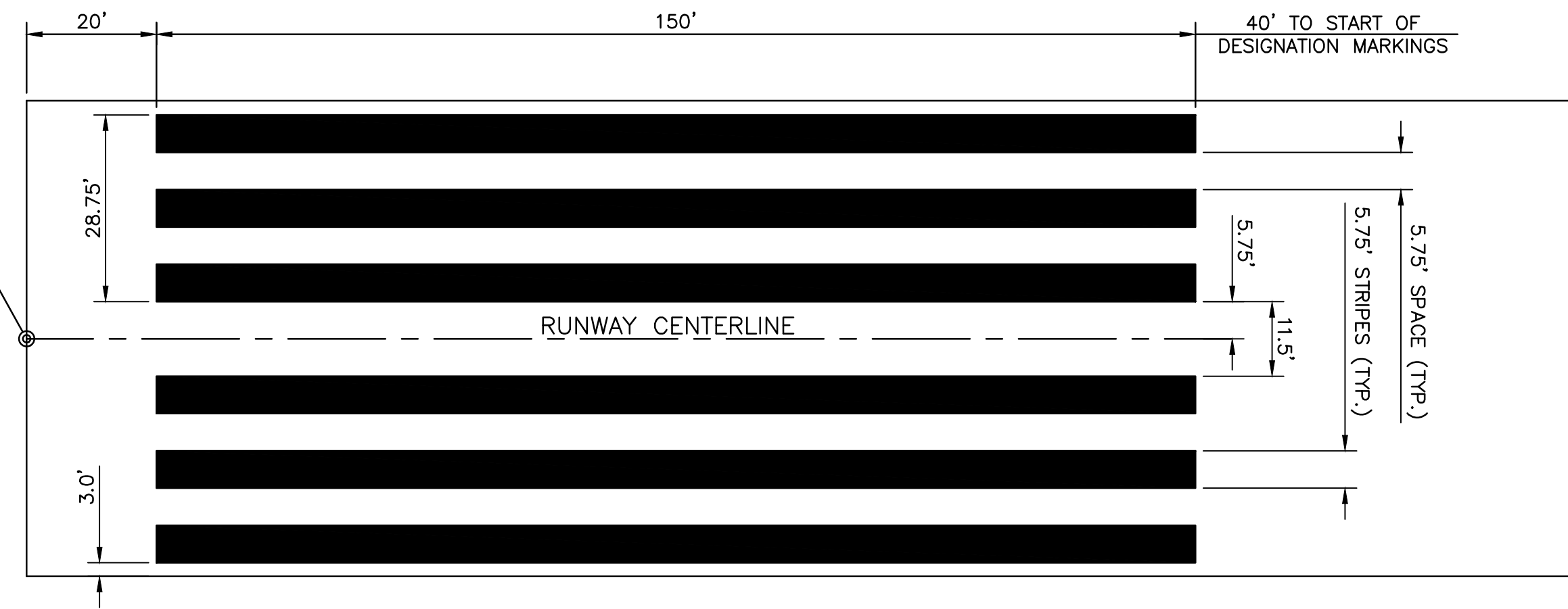
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	MERIDEN, CONNECTICUT		
File Name:	179450289		
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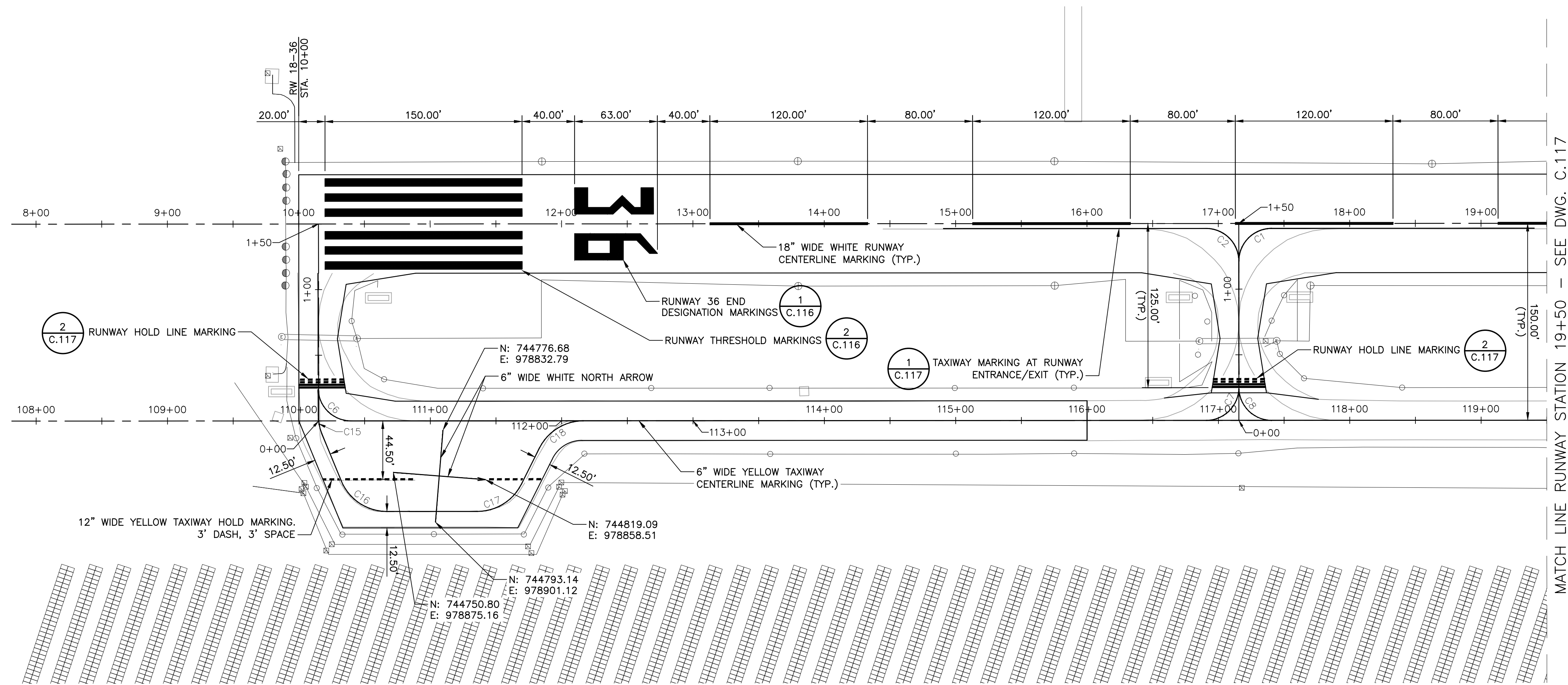
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Project No.	Scale	AS SHOWN	
179450289			
Drawing No.	Sheet	Revision	
C.115	19 of 31		



1 RUNWAY 36 DESIGNATION MARKING DETAIL  
NOT TO SCALE



2 THRESHOLD MARKING DETAIL  
NOT TO SCALE



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RUNWAY 18-36 REHABILITATION

MERIDEN, CONNECTICUT

File Name: 179450289

CAM Dwn. PVE Chkd. CAM Dsgn. 21.04.07 YF.MM.DD

Title

PAVEMENT MARKING PLAN  
SHEET 1 OF 3

Project No.  
179450289

Scale  
AS SHOWN

Drawing No.

Sheet

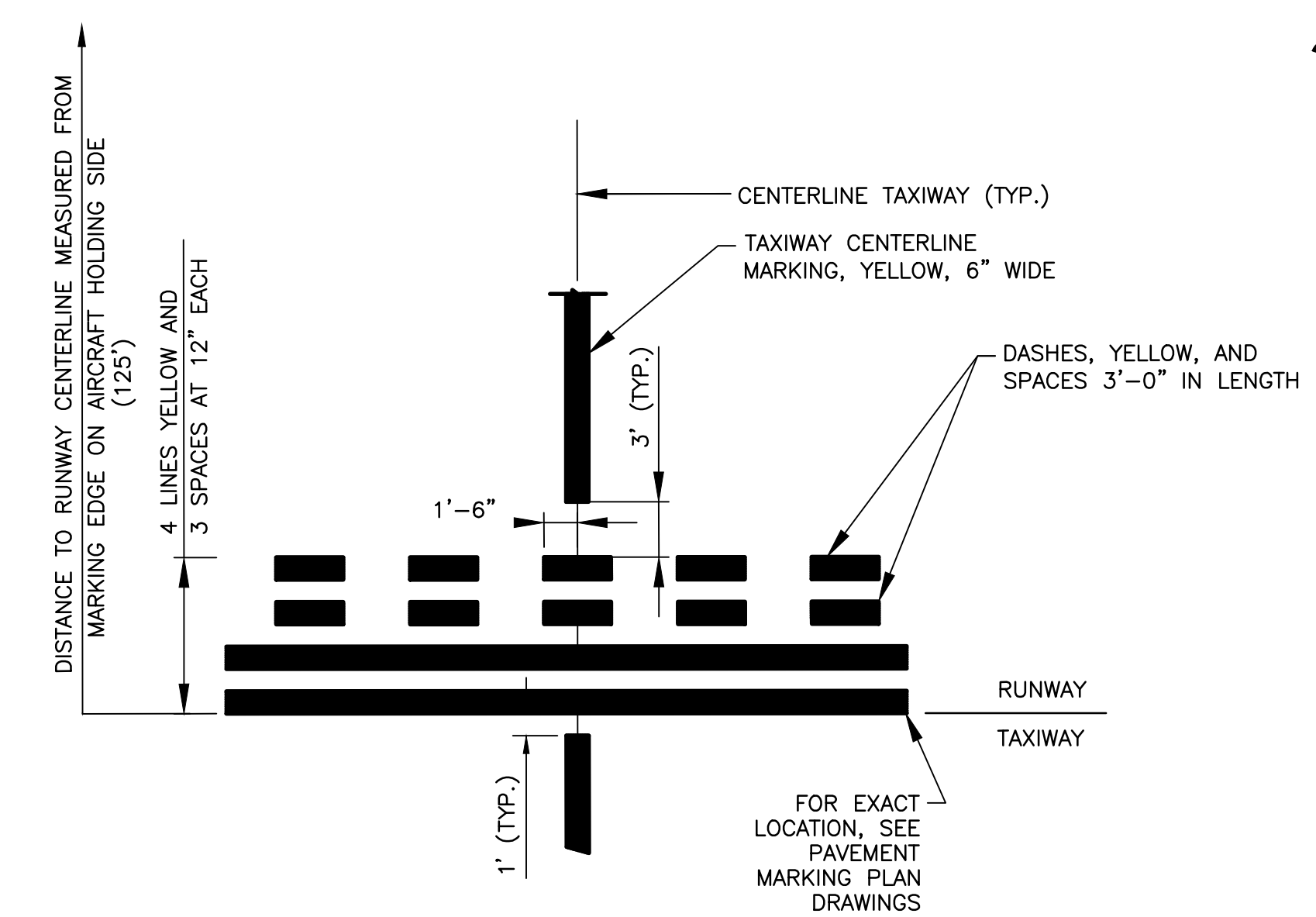
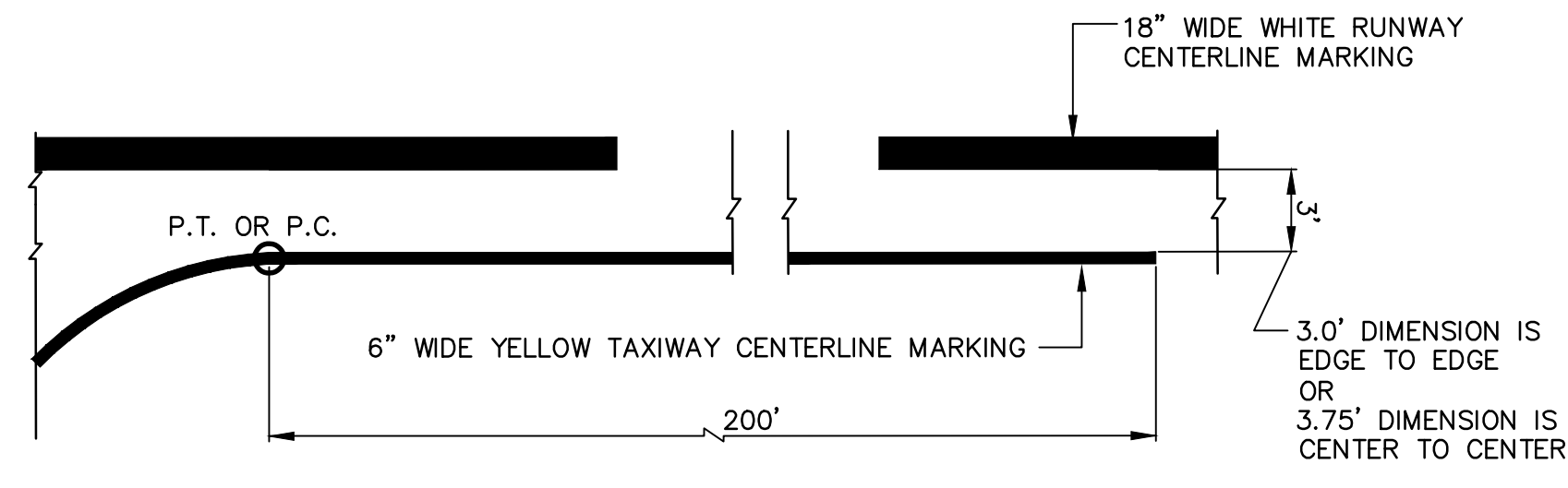
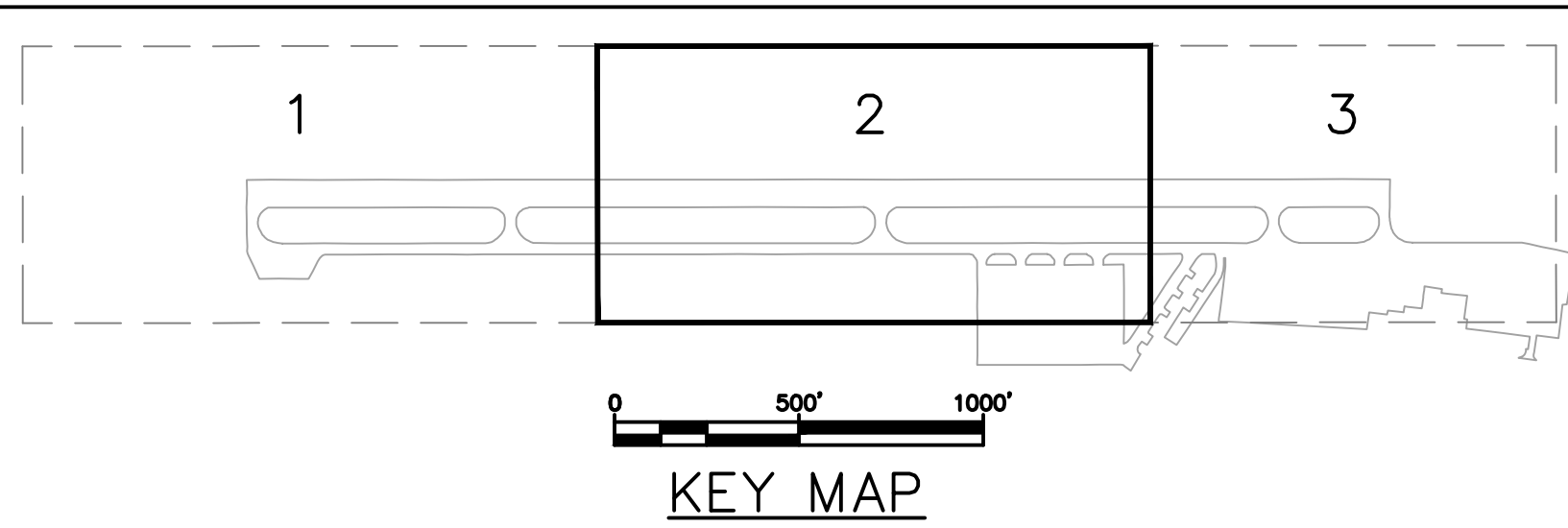
Revision

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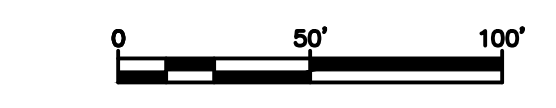
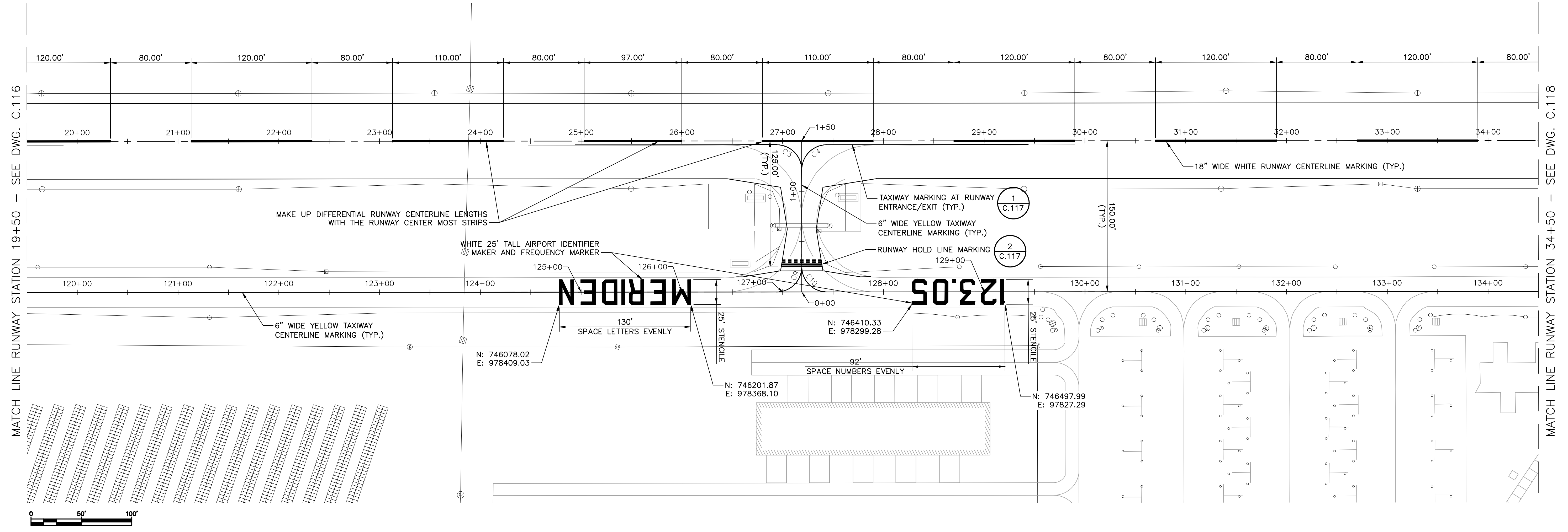
Revision \_\_\_\_\_ By \_\_\_\_\_ Appd. MM.DD.YY

Issued \_\_\_\_\_ By \_\_\_\_\_ Appd. YY.MM.DD



1 TAXIWAY MARKING AT RUNWAY ENTRANCE/EXIT  
NOT TO SCALE

2 RUNWAY HOLD LIME MARKING  
NOT TO SCALE



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Issued	By	Appd.	YY.MM.DD

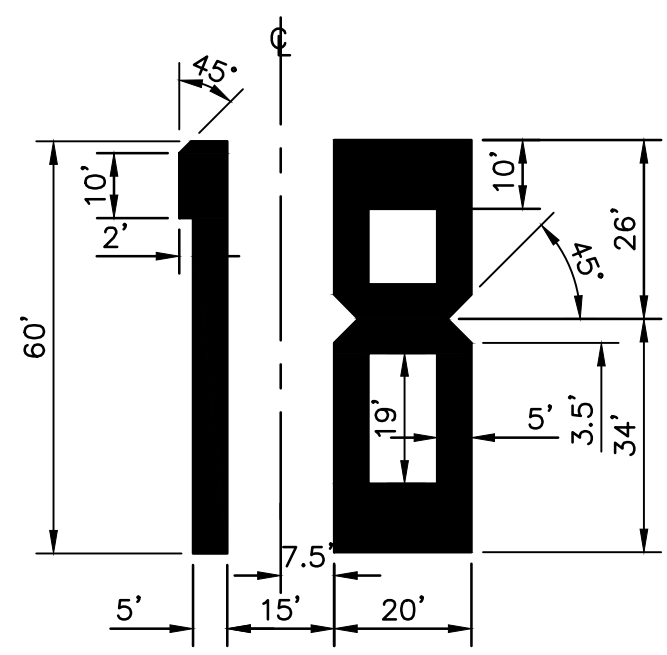
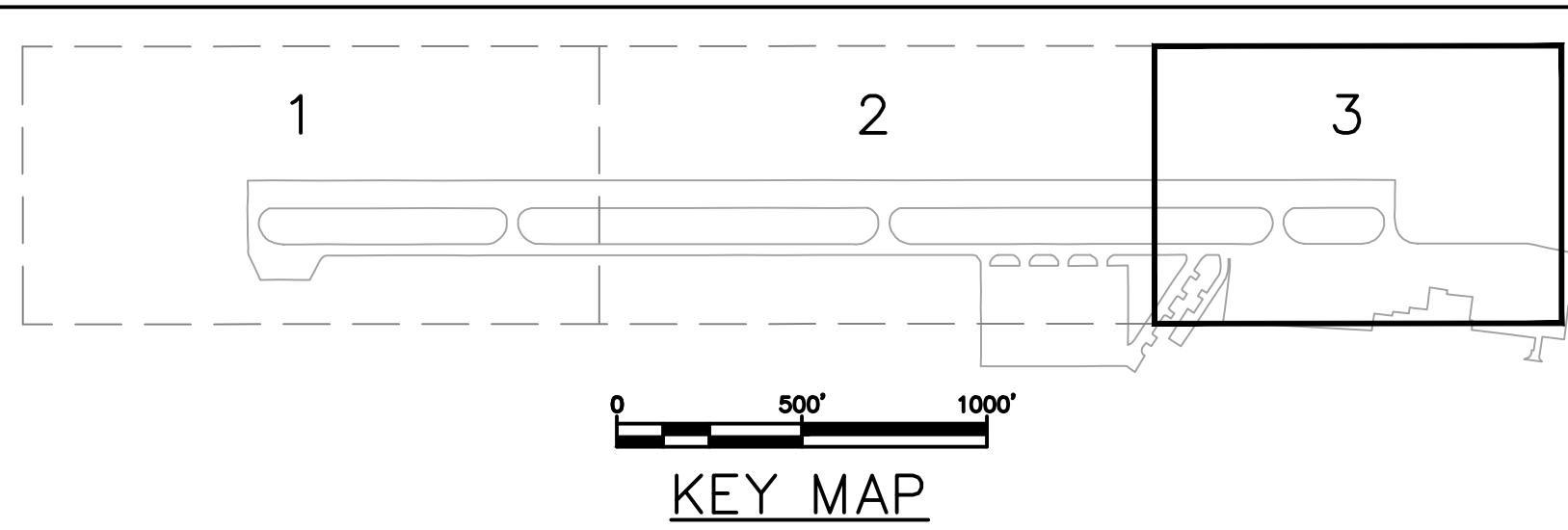


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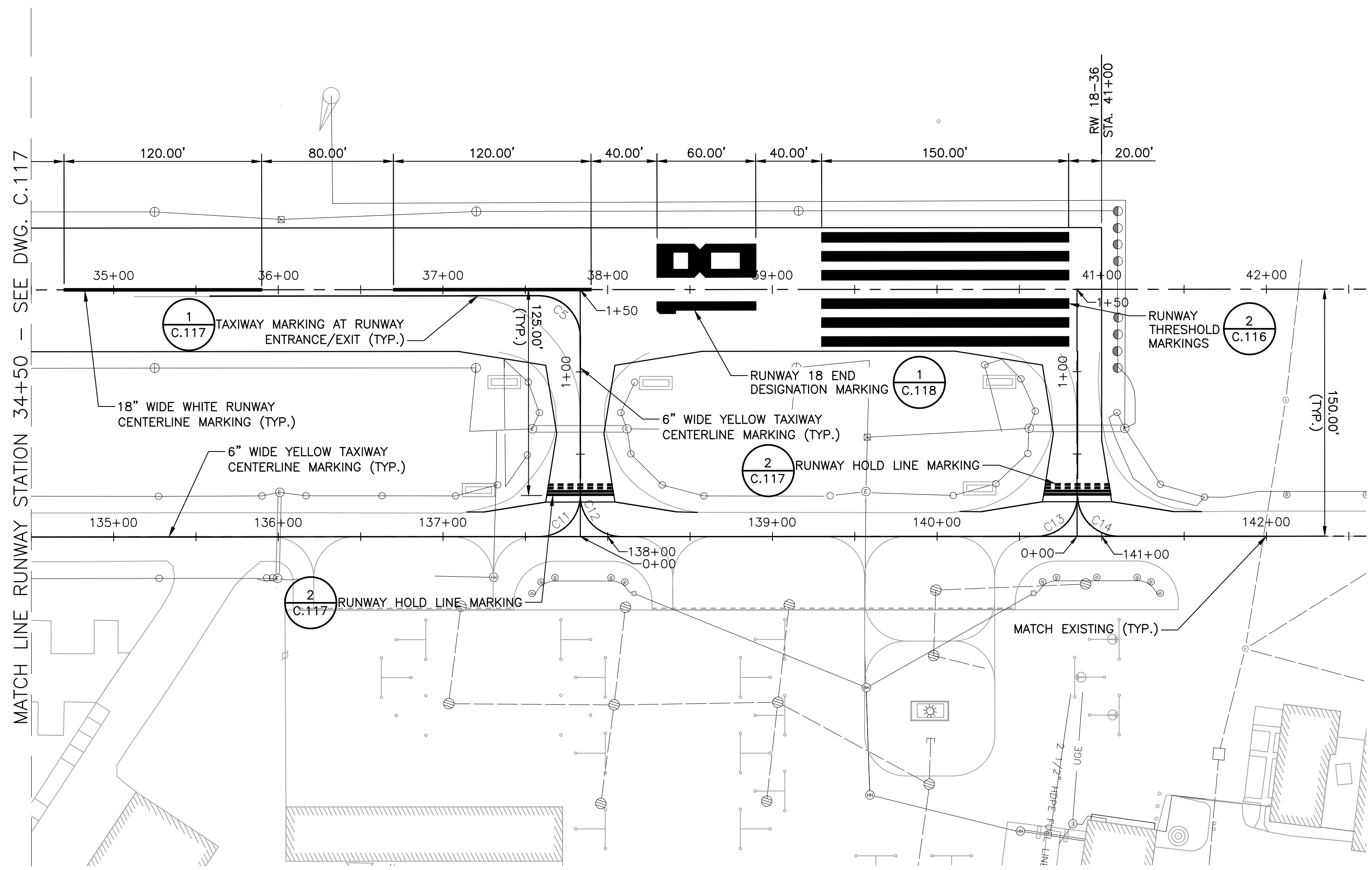
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MERIDEN, CONNECTICUT			
File Name: 179450289	CAM Dwn.	PVE Chkd.	CAM Dsgn. 21.04.07 YY.MM.DD

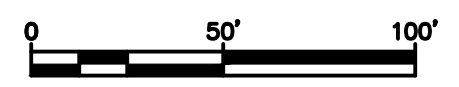
Title	
PAVEMENT MARKING PLAN SHEET 2 OF 3	
Project No. 179450289	Scale AS SHOWN
Drawing No. C.117	Sheet 21 of 31
	Revision



**1 RUNWAY 18 DESIGNATION MARKING DETAIL**  
NOT TO SCALE



Curve Table			
Curve #	Length	Radius	Delta
C1	39.27	25.00	90.00
C2	39.27	25.00	90.00
C3	39.27	25.00	90.00
C4	39.27	25.00	90.00
C5	39.27	25.00	90.00
C6	38.27	25.00	87.71
C7	38.27	25.00	87.71
C8	38.27	25.00	87.71
C9	38.27	25.00	87.71
C10	38.27	25.00	87.71
C11	38.27	25.00	87.71
C12	38.27	25.00	87.71
C13	38.27	25.00	87.71
C14	38.27	25.00	87.71
C15	14.58	37.50	22.27
C16	44.33	37.50	67.73
C17	41.46	37.50	63.34
C18	41.46	37.50	63.34



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RUNWAY 18-36 REHABILITATION

MERIDEN, CONNECTICUT

File Name: 179450289

CAM	PVE	CAM	21.04.07
Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title  
PAVEMENT MARKING PLAN  
SHEET 3 OF 3

Project No. 179450289

Scale AS SHOWN

Drawing No. C.118

Sheet 22 of 31

Revision

ELECTRICAL GENERAL NOTES

1. ALL PROPOSED RUNWAY AND TAXIWAY FIXTURES SHALL BE INSTALLED 10' FROM EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.
2. ALL EXISTING ELEVATED RUNWAY EDGE, THRESHOLD/END AND TAXIWAY EDGE LIGHT FIXTURES AND ISOLATION TRANSFORMERS SHALL BE REMOVED AND STORED IN AN APPROVED MANNER ON AIRPORT PROPERTY, UNLESS OTHERWISE NOTED. CONFIRM INTENT OF REMOVED LIGHT FIXTURES WITH AIRPORT.
3. CONTRACTOR SHALL FURNISH AND INSTALL NON-CORROSIVE IDENTIFICATION TAGS FOR ALL LIGHT FIXTURES. EXACT NUMBERING NOMENCLATURE SHALL BE COORDINATED WITH THE AIRPORT AND THE ENGINEER PRIOR TO CONSTRUCTION.
4. ALL UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS OF ALL DUCTS AND DIRECT BURIED CABLE WITHIN THE PROJECT AREA BY USE OF METAL DETECTORS AND HAND DIGGING PRIOR TO EXCAVATION WITH MECHANICAL EQUIPMENT. ANY DAMAGE TO EXISTING CABLES SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
5. BOND #6 AWG COUNTERPOISE WIRE TO GROUND ROD AT BEGINNING OF DUCT BANK 5' FROM OPENING. CONTRACTOR SHALL BOND #6 AWG COPPER WIRE TO GROUND ROD UTILIZING EXOTHERMIC WELD (TYPICAL)
6. INSTALL PULL WIRE, CAP BOTH ENDS AND INSTALL DUCT MARKERS AT ALL SPARE DUCTS.
7. GROUND RODS SHALL BE INSTALLED EVERY 500' ALONG COUNTERPOISE RUNS AND ARE CONSIDERED INCIDENTAL TO ALL RESPECTIVE LINE ITEMS.
8. ALL NEW LED RUNWAY AND TAXIWAY LIGHT FIXTURES SHALL BE PROVIDED WITH INTEGRAL HEATER UNIT.
9. WHERE POSSIBLE, CONTRACTOR SHALL FURNISH AND INSTALL NEW AIRFIELD LIGHTING CABLES AND CONDUIT IN SAME TRENCH AS REMOVED DIRECT BURIED LIGHTING CABLES.
10. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING 600V OBSTRUCTION LIGHT CIRCUIT CONDUCTORS FED FROM SRE BUILDING. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDUCTOR ROUTING IN FIELD. AS-BUILT DRAWINGS INDICATE EXISTING CONDUCTORS ARE ROUTED ALONG NORTHERN END OF RUNWAY 36 AND ALONG WEST SIDE OF RUNWAY 18-36 AND THEN SOUTH TO OBSTRUCTION LIGHT LOCATION BEYOND RUNWAY 18 END. CONTRACTOR SHALL ABANDON OBSTRUCTION CABLES BEYOND RUNWAY 18 END AND PROVIDE CONCRETE CABLE MARKER IN LOCATION WHERE ABANDONED CABLES REMAIN.

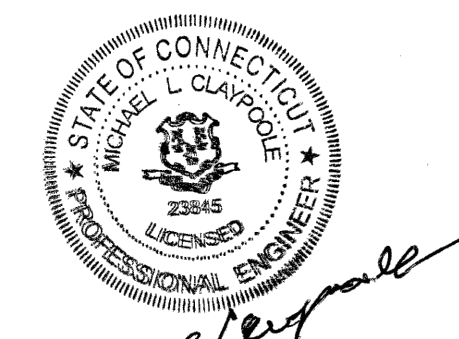
ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	EXISTING ELEVATED STAKE/BASE MOUNTED RUNWAY EDGE LIGHT. LETTER DENOTES LENS COLOR
	EXISTING ELEVATED STAKE/BASE MOUNTED RUNWAY THRESHOLD/END LIGHT. LETTER DENOTES LENS COLOR
	EXISTING ELEVATED STAKE/BASE MOUNTED TAXIWAY EDGE LIGHT
	EXISTING RUNWAY END IDENTIFIER LIGHT
	EXISTING ILLUMINATED AIRFIELD GUIDANCE SIGN
	EXISTING ELECTRICAL JUNCTION STRUCTURE
	EXISTING ELECTRICAL SQUARE HANDHOLE
	EXISTING CONCRETE DUCT/CABLE MARKER
	EXISTING CONCRETE ENCASED DUCT BANK. SIZES AS INDICATED
	EXISTING DIRECT BURIED AIRFIELD LIGHTING CABLE(S)
	EXISTING DIRECT BURIED COUNTERPOISE WIRE
	EXISTING GROUND ROD
	PROPOSED ELEVATED STAKE/BASE MOUNTED RUNWAY EDGE LIGHT. LETTER DENOTES LENS COLOR
	PROPOSED ELEVATED STAKE/BASE MOUNTED RUNWAY THRESHOLD/END LIGHT. LETTER DENOTES LENS COLOR
	PROPOSED ELEVATED STAKE/BASE MOUNTED TAXIWAY EDGE LIGHT
	PROPOSED ILLUMINATED AIRFIELD GUIDANCE SIGN AND JUNCTION CAN
	PROPOSED L-867 ELECTRICAL JUNCTION CAN
	PROPOSED CONCRETE DUCT/CABLE MARKER
	PROPOSED DIRECT BURIED AIRFIELD LIGHTING CABLE(S)
	PROPOSED DIRECT BURIED #6 AWG BARE COUNTERPOISE WIRE
	PROPOSED GROUND ROD
	TO BE REMOVED, DISPOSED OF, REPLACED OR ABANDONED, UNLESS OTHERWISE NOTED.
	UNDERGROUND CABLES BE REMOVED, DISPOSED OF, REPLACED OR ABANDONED, UNLESS OTHERWISE NOTED.
	EXISTING/PROPOSED CIRCUIT ID. * INDICATES TWO SERIES LIGHTING CABLES. 'TW' - TAXIWAY, 'RW' - RUNWAY

AIRFIELD LIGHTING CIRCUIT INDEX	
RUNWAY 18-36	RW
TAXIWAY	TW
WINDCONE	WND
OBSTRUCTION LIGHT	OBS

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Issued	By	Appd.	YY.MM.DD

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Client/Project  
MERIDEN MARKHAM MUNICIPAL AIRPORT

RUNWAY 18-36 REHABILITATION

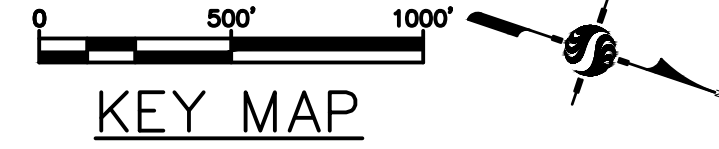
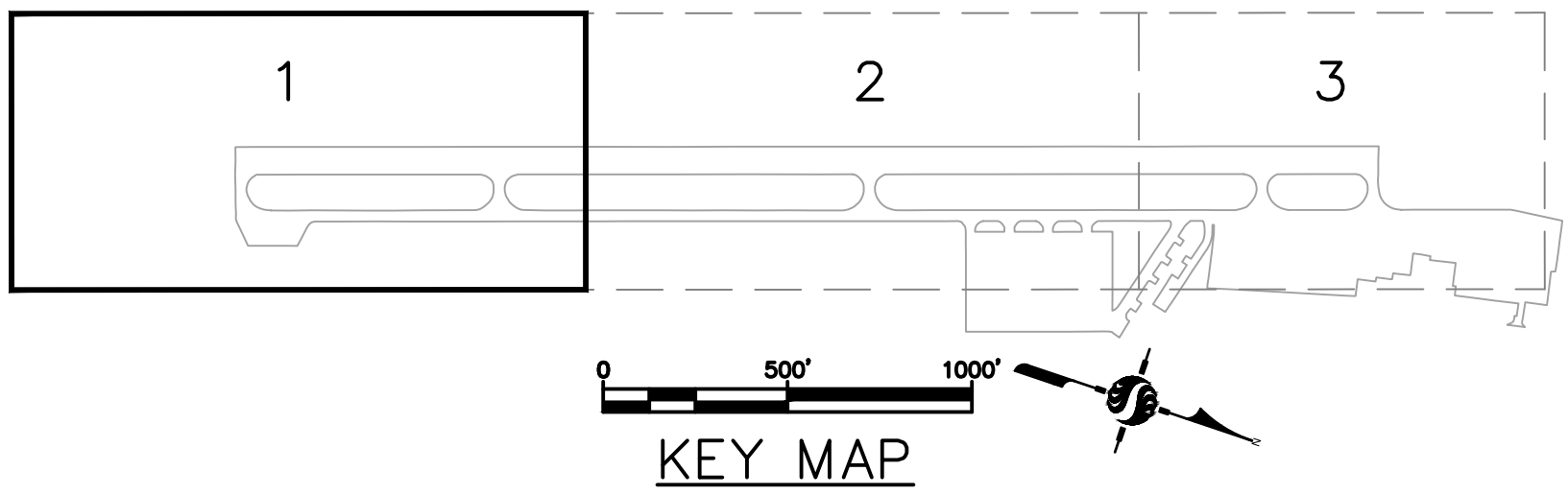
MERIDEN, CONNECTICUT

File Name: 30289\_23\_E.001\_electrical legend.dwg | PVE: HAB | HAB: 21.04.07  
Dwn: Chkd: Dsgn: YY.MM.DD

Title  
ELECTRICAL LEGEND AND GENERAL NOTES

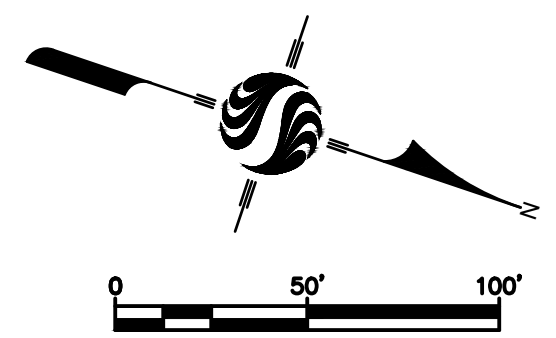
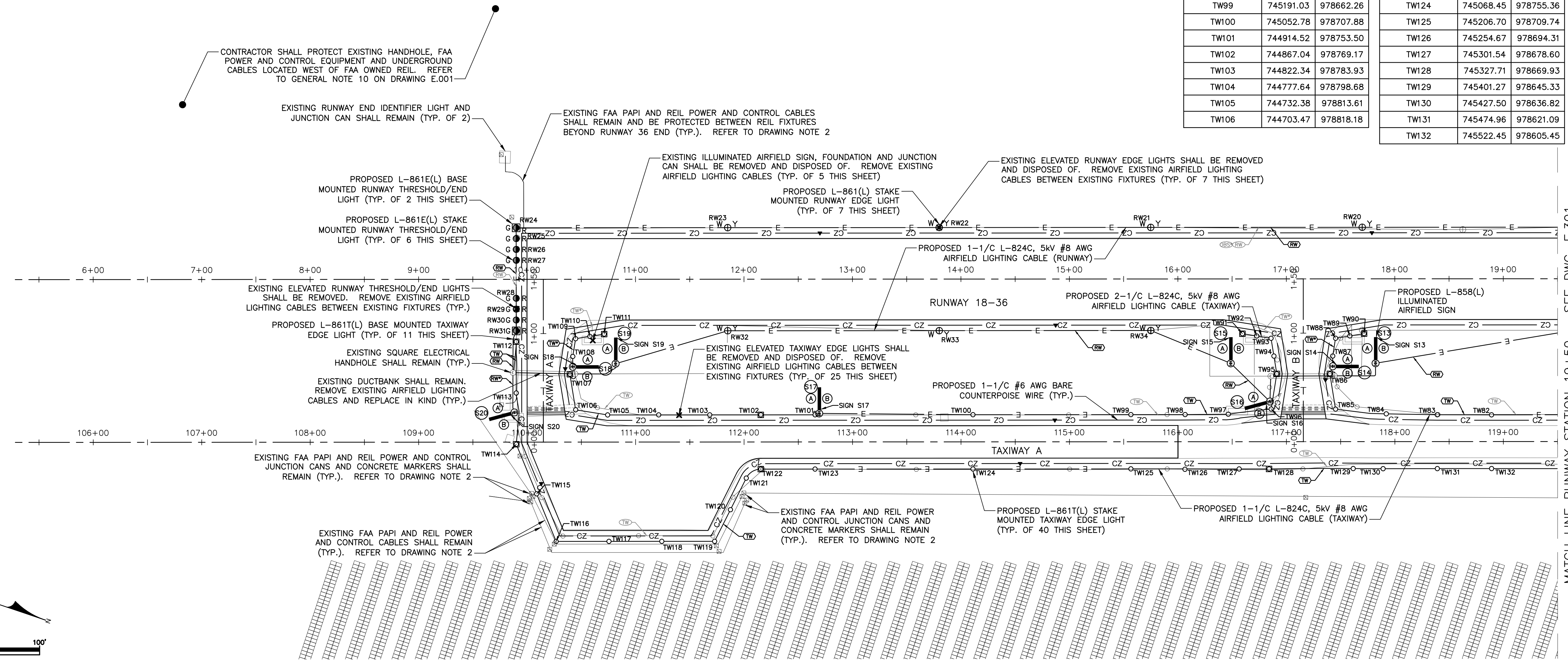
Project No. 179450289 | Scale AS SHOWN

Drawing No. E.001 | Sheet 23 of 31 | Revision



- DRAWING NOTES:**
- REFER TO DRAWING E.001 FOR ELECTRICAL LEGEND AND GENERAL NOTES.
  - EXISTING FAA POWER AND CONTROL CABLES, JUNCTION CANS AND CONCRETE MARKERS LOCATED AROUND HOLDING BAY SHALL REMAIN DURING DEMOLITION AND INSTALLATION OF TAXIWAY EDGE LIGHTS AND AIRFIELD LIGHTING CABLES. CONTRACTOR SHALL HAND DIG AROUND AREA NEAR HOLDING BAY. IF FAA EQUIPMENT AND MATERIALS ARE DAMAGED CONTRACTOR SHALL NOTIFY RPR AND AIRPORT IMMEDIATELY AND SHALL REPLACE DAMAGED EQUIPMENT OR MATERIALS IN KIND AT NO COST TO AIRPORT.
  - ALL RUNWAY AND TAXIWAY ELEVATED LIGHT FIXTURES SHALL BE LOCATED 10' FROM DEFINED PAVEMENT EDGE.
  - #6 BARE COUNTERPOISE WIRE SHALL BE FURNISHED AND INSTALLED IN SEPARATE PARALLEL TRENCH BETWEEN PROPOSED AIRFIELD LIGHTING CABLES AND DEFINED EDGE OF PAVEMENT UNLESS WHEN AIRFIELD LIGHTING CABLES ARE RUN IN TRENCH NOT PARALLEL TO DEFINED PAVEMENT EDGE. IN THIS CASE THE COUNTERPOISE SHALL BE FURNISHED AND INSTALLED ABOVE AIRFIELD LIGHTING CABLES IN SAME TRENCH.
  - EXISTING DUCTBANKS UNDER TAXIWAYS AND CONNECTED SQUARE HANDHOLES SHALL REMAIN. CONTRACTOR SHALL REMOVE EXISTING AIRFIELD LIGHTING CABLES AND PRIOR TO INSTALLING NEW CABLES SHALL MANDREL AND CLEAN OUT EXISTING RACEWAYS WITHIN DUCTBANK. CONTRACTOR SHALL FIELD VERIFY CONDITION OF EXISTING DUCTBANKS AND REPORT ANY BLOCKAGES/DAMAGE WITH AIRPORT AND RPR.

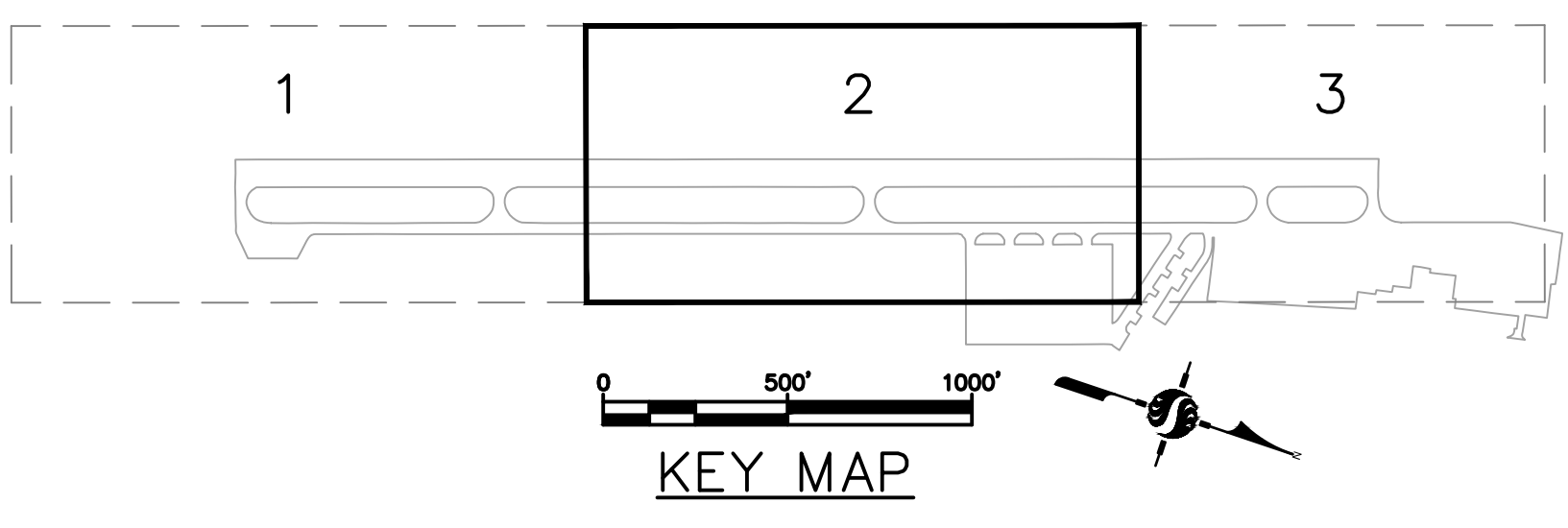
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RW22	744969.27	978553.79	SIGN S15	745255.24	978566.36	TW84	745414.47	978587.93	TW109	744682.93	978755.93
RW23	744784.10	978614.90	SIGN S16	745306.73	978613.90	TW85	745368.67	978598.38	TW110	744694.78	978749.80
RW24	744598.92	978676.01	SIGN S17	744917.96	978747.11	TW86	745353.53	978569.14	TW111	744706.64	978743.66
RW25	744602.05	978685.50	SIGN S18	744691.72	978779.12	TW87	745350.89	978552.76	TW112	744631.82	978775.72
RW26	744605.19	978695.00	SIGN S19	744719.06	978743.30	TW88	745348.25	978536.37	TW113	744646.63	978820.57
RW27	744608.32	978704.50	SIGN S20	744648.23	978841.38	TW89	745360.11	978530.23	TW114	744661.43	978865.43
RW28	744619.29	978737.73				TW90	745371.96	978524.09	TW115	744693.52	978902.95
RW29	744622.42	978747.23				TW91	745265.43	978559.25	TW116	744724.31	978938.96
RW30	744625.56	978756.72				TW92	745278.61	978557.13	TW117	744770.56	978923.70
RW31	744628.69	978766.22				TW93	745291.79	978555.00	TW118	744816.81	978908.43
RW32	744813.87	978705.11				TW94	745299.42	978569.74	TW119	744863.06	978893.17
RW33	744999.04	978644.00				TW95	745307.05	978584.48	TW120	744867.81	978860.95
RW34	745184.22	978582.89				TW96	745312.27	978616.86	TW121	744872.57	978828.73
						TW97	745276.23	978633.78	TW122	744882.71	978816.66
						TW98	745238.51	978646.59	TW123	744930.19	978800.99
						TW99	745191.03	978662.26	TW124	745068.45	978755.36
						TW100	745052.78	978707.88	TW125	745206.70	978709.74
						TW101	744914.52	978753.50	TW126	745254.67	978694.31
						TW102	744867.04	978769.17	TW127	745301.54	978678.60
						TW103	744822.34	978783.93	TW128	745327.71	978669.93
						TW104	744777.64	978798.68	TW129	745401.27	978645.33
						TW105	744732.38	978813.61	TW130	745427.50	978636.82
						TW106	744703.47	978818.18	TW131	745474.96	978621.09
									TW132	745522.45	978605.45



MATCH LINE RUNWAY STATION 19+50 | SEE DWG. E.301

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Client/Project	MERIDEN MARKHAM MUNICIPAL AIRPORT RUNWAY 18-36 REHABILITATION MERIDEN, CONNECTICUT
Title	ELECTRICAL LAYOUT PLAN SHEET 1 OF 3
Project No.	179450289
Scale	AS SHOWN
Drawing No.	E.300
Sheet	24 of 31
Revision	





- DRAWING NOTES:**
- REFER TO DRAWING E.001 FOR ELECTRICAL LEGEND AND GENERAL NOTES.
  - ALL RUNWAY AND TAXIWAY ELEVATED LIGHT FIXTURES SHALL BE LOCATED 10' FROM DEFINED PAVEMENT EDGE.
  - #6 BARE COUNTERPOISE WIRE SHALL BE FURNISHED AND INSTALLED IN SEPARATE PARALLEL TRENCH BETWEEN PROPOSED AIRFIELD LIGHTING CABLES AND DEFINED EDGE OF PAVEMENT UNLESS WHEN AIRFIELD LIGHTING CABLES ARE RUN IN TRENCH NOT PARALLEL TO DEFINED PAVEMENT EDGE. IN THIS CASE THE COUNTERPOISE SHALL BE FURNISHED AND INSTALLED ABOVE AIRFIELD LIGHTING CABLES IN SAME TRENCH.
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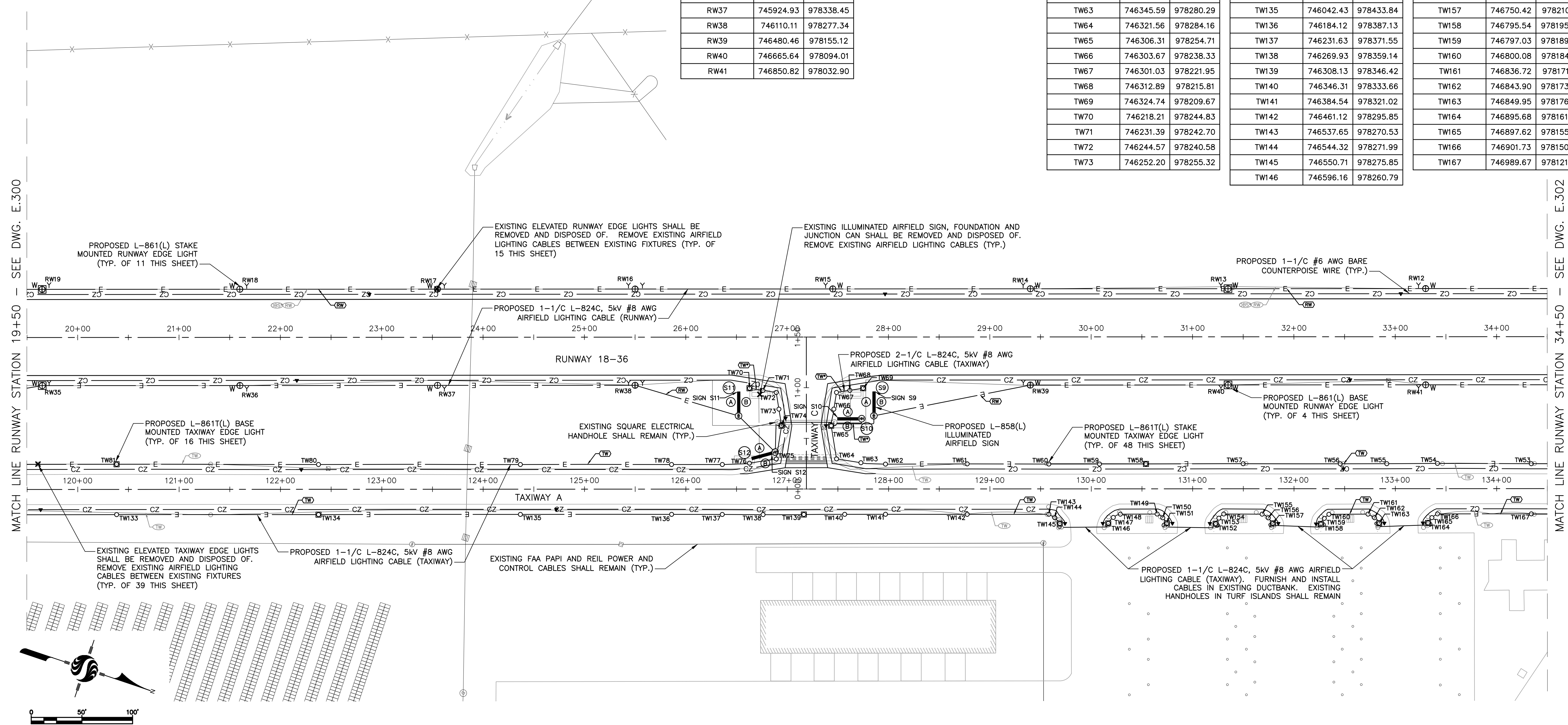
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RW17	745895.16	978248.24
RW18	745709.98	978309.35
RW19	745524.81	978370.47
RW35	745554.58	978460.67
RW36	745739.75	978399.56
RW37	745924.93	978338.45
RW38	746110.11	978277.34
RW39	746480.46	978155.12
RW40	746665.64	978094.01
RW41	746850.82	978032.90

FIXTURE AND SIGN SCHEDULE		
SIGN S9	746337.17	978209.31
SIGN S10	746309.83	978245.13
SIGN S11	746208.02	978251.93
SIGN S12	746259.59	978300.01

FIXTURE AND SIGN SCHEDULE		
TW53	746974.14	978074.23
TW54	746886.13	978102.96
TW55	746838.73	978118.86
TW56	746795.19	978133.30
TW57	746704.13	978163.23
TW58	746613.13	978193.39
TW59	746569.60	978207.81
TW60	746522.12	978223.49
TW61	746445.52	978248.58
TW62	746369.04	978274.01
TW63	746345.59	978280.29
TW64	746321.56	978284.16
TW65	746306.31	978254.71
TW66	746303.67	978238.33
TW67	746301.03	978221.95
TW68	746312.89	978215.81
TW69	746324.74	978209.67
TW70	746218.21	978244.83
TW71	746231.39	978242.70
TW72	746244.57	978240.58
TW73	746252.20	978255.32

FIXTURE AND SIGN SCHEDULE		
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TW77	746216.25	978324.75
TW78	746168.70	978340.41
TW79	746027.00	978387.06
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TW81	745648.53	978511.45
TW133	745664.11	978558.65
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TW139	746308.13	978346.42
TW140	746346.31	978333.02
TW141	746384.54	978321.06
TW142	746461.12	978295.85
TW143	746537.65	978270.53
TW144	746544.32	978271.99
TW145	746550.71	978275.85
TW146	746596.16	978260.79

FIXTURE AND SIGN SCHEDULE		
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TW151	746651.04	978242.61
TW152	746696.88	978227.96
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TW156	746744.35	978206.23
TW157	746750.42	978210.01
TW158	746795.54	978195.65
TW159	746797.03	978189.40
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TW161	746836.72	978171.91
TW162	746843.90	978173.27
TW163	746849.95	978176.98
TW164	746895.68	978161.67
TW165	746897.62	978155.49
TW166	746901.73	978150.24
TW167	746989.67	978121.28



MATCH LINE RUNWAY STATION 19+50 SEE DWG. E.300

MATCH LINE RUNWAY STATION 34+50 SEE DWG. E.302

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Client/Project  
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RUNWAY 18-36 REHABILITATION

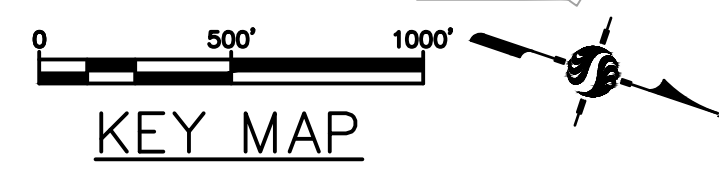
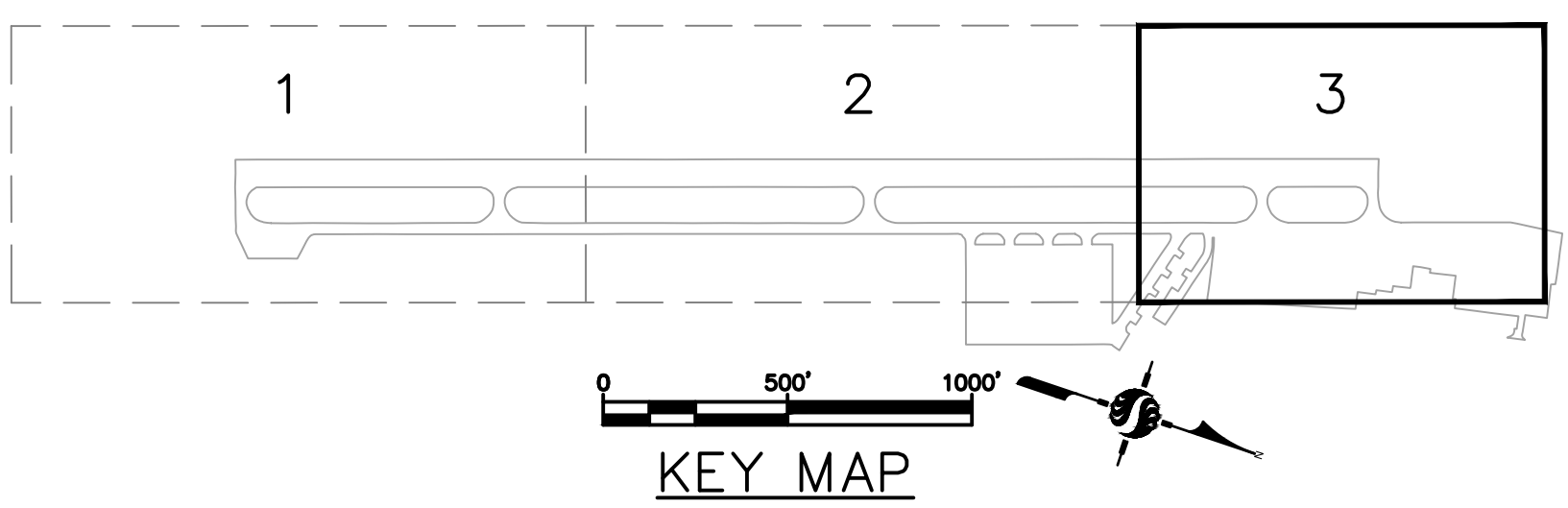
MERIDEN, CONNECTICUT

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Title  
ELECTRICAL LAYOUT PLAN  
SHEET 2 OF 3

Project No. 179450289 Scale AS SHOWN

Drawing No. E.301 Sheet 25 of 31



**DRAWING NOTES:**

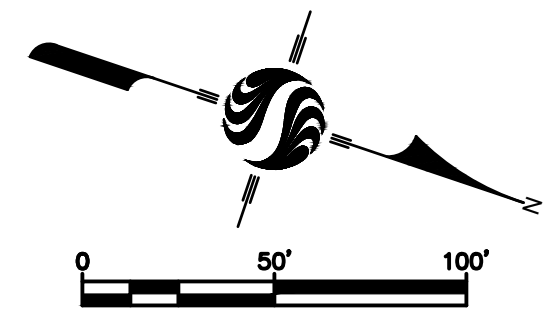
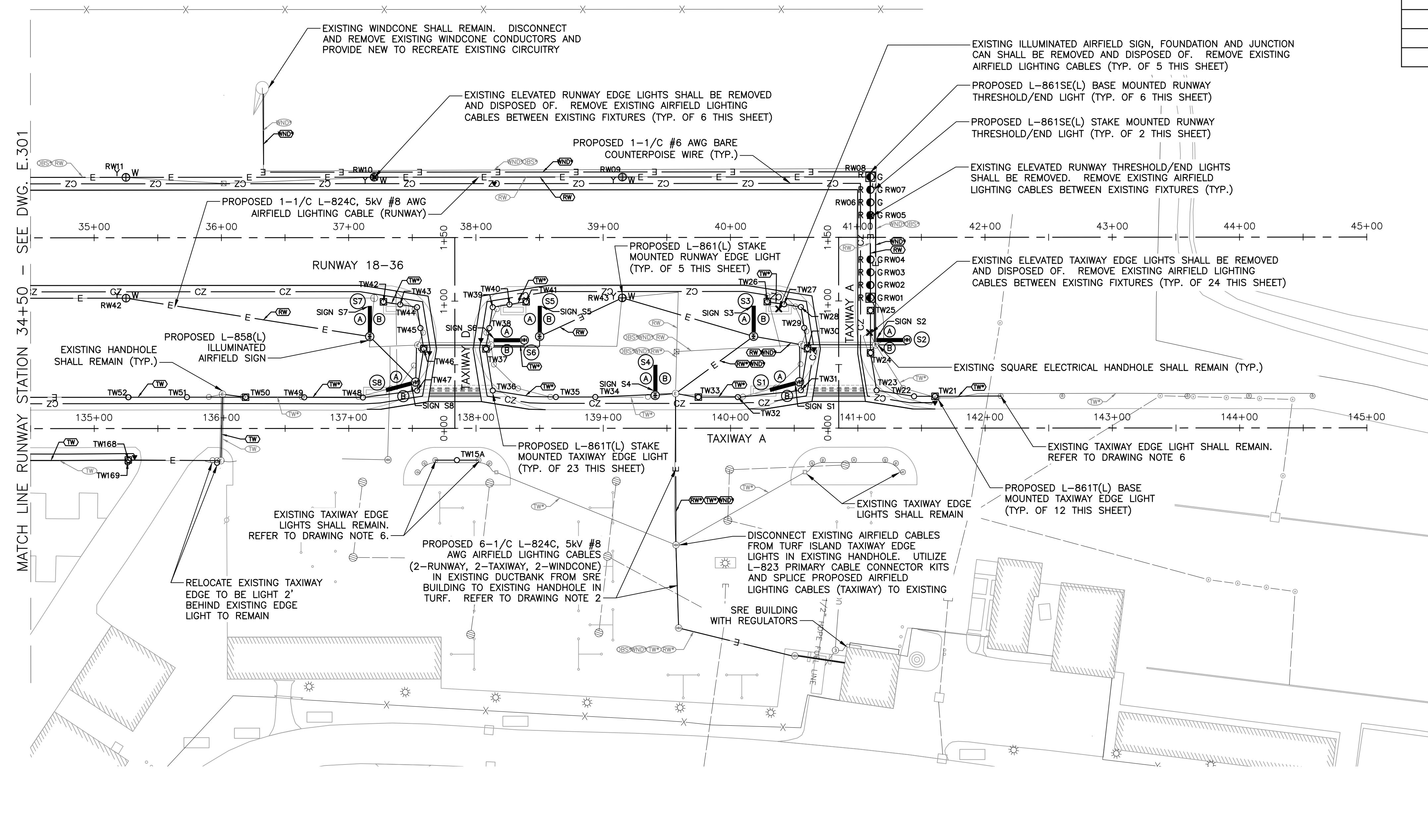
- REFER TO DRAWING E.001 FOR ELECTRICAL LEGEND AND GENERAL NOTES.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING AIRFIELD LIGHTING CABLES (RUNWAY AND TAXIWAY) AND 600V CONDUCTORS (WINDCONE AND OBSTRUCTION LIGHTS) IN EXISTING RACEWAY BETWEEN SRE BUILDING AND EXISTING HANDHOLE IN TURF. PROVIDE CONDUCTORS AS INDICATED. CONTRACTOR SHALL FIELD VERIFY ROUTING AND CIRCUITRY OF EXISTING OBSTRUCTION LIGHTS CIRCUIT. REFER TO GENERAL NOTE 10 ON DRAWING E.001.
- ALL RUNWAY AND TAXIWAY ELEVATED LIGHT FIXTURES SHALL BE LOCATED 10' FROM DEFINED PAVEMENT EDGE.
- #6 BARE COUNTERPOISE WIRE SHALL BE FURNISHED AND INSTALLED IN SEPARATE PARALLEL TRENCH BETWEEN PROPOSED AIRFIELD LIGHTING CABLES AND DEFINED EDGE OF PAVEMENT UNLESS WHEN AIRFIELD LIGHTING CABLES ARE RUN IN TRENCH NOT PARALLEL TO DEFINED PAVEMENT EDGE. IN THIS CASE THE COUNTERPOISE SHALL BE FURNISHED AND INSTALLED ABOVE AIRFIELD LIGHTING CABLES IN SAME TRENCH.
- EXISTING DUCTBANKS UNDER TAXIWAYS AND CONNECTED SQUARE HANDHOLES SHALL REMAIN. CONTRACTOR SHALL REMOVE EXISTING AIRFIELD LIGHTING CABLES AND PRIOR TO INSTALLING NEW CABLES SHALL MANDREL AND CLEAN OUT EXISTING RACEWAYS WITHIN DUCTBANK. CONTRACTOR SHALL FIELD VERIFY CONDITION OF EXISTING DUCTBANKS AND REPORT ANY BLOCKAGES/DAMAGE WITH AIRPORT AND RPR.
- DISCONNECT EXISTING AIRFIELD LIGHTING CABLE (TAXIWAY) FROM FIXTURE ISOLATION TRANSFORMER. FURNISH AND INSTALL NEW 1/C L-824C, 5KV, #8 AWG AIRFIELD LIGHTING CABLE (TAXIWAY) TO EXISTING ISOLATION TRANSFORMER FROM PROPOSED ELEVATED TAXIWAY EDGE LIGHT. UTILIZE L-823 PRIMARY CABLE COMPLETE CONNECTOR KIT FOR PRIMARY CABLE SPLICES AND CONNECTION AT ISOLATION TRANSFORMER.

FIXTURE AND SIGN SCHEDULE		
RW01	747591.52	977788.46
RW02	747588.39	977778.97
RW03	747585.26	977769.47
RW04	747582.12	977759.97
RW05	747571.15	977726.74
RW06	747568.02	977717.24
RW07	747564.89	977707.74
RW08	747561.75	977698.25
RW09	747376.58	977759.36
RW10	747191.40	977820.47
RW11	747006.22	977881.58
RW42	747035.99	977971.79
RW43	747406.35	977849.57

FIXTURE AND SIGN SCHEDULE		
SIGN S1	747556.85	977871.94
SIGN S2	747606.30	977817.28
SIGN S3	747505.26	977823.83
SIGN S4	747452.67	977911.14
SIGN S5	747347.99	977875.73
SIGN S6	747320.65	977911.55
SIGN S7	747218.84	977918.36
SIGN S8	747270.42	977966.47

FIXTURE AND SIGN SCHEDULE		
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TW21	747663.91	977846.17
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TW30	747557.09	977841.98
TW31	747562.36	977874.64
TW32	747516.94	977895.28
TW33	747487.50	977904.95
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TW35	747381.11	977939.92
TW36	747332.41	977950.64

FIXTURE AND SIGN SCHEDULE		
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TW39	747311.87	977888.40
TW40	747323.72	977882.26
TW41	747335.56	977876.09
TW42	747229.03	977911.25
TW43	747242.21	977909.12
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TW45	747263.02	977921.74
TW46	747270.65	977936.47
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TW50	747149.59	978016.37
TW51	747105.81	978030.73
TW52	747062.06	978045.22
TW168	747077.51	978092.04
TW169	747077.61	978094.03



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RUNWAY 18-36 REHABILITATION

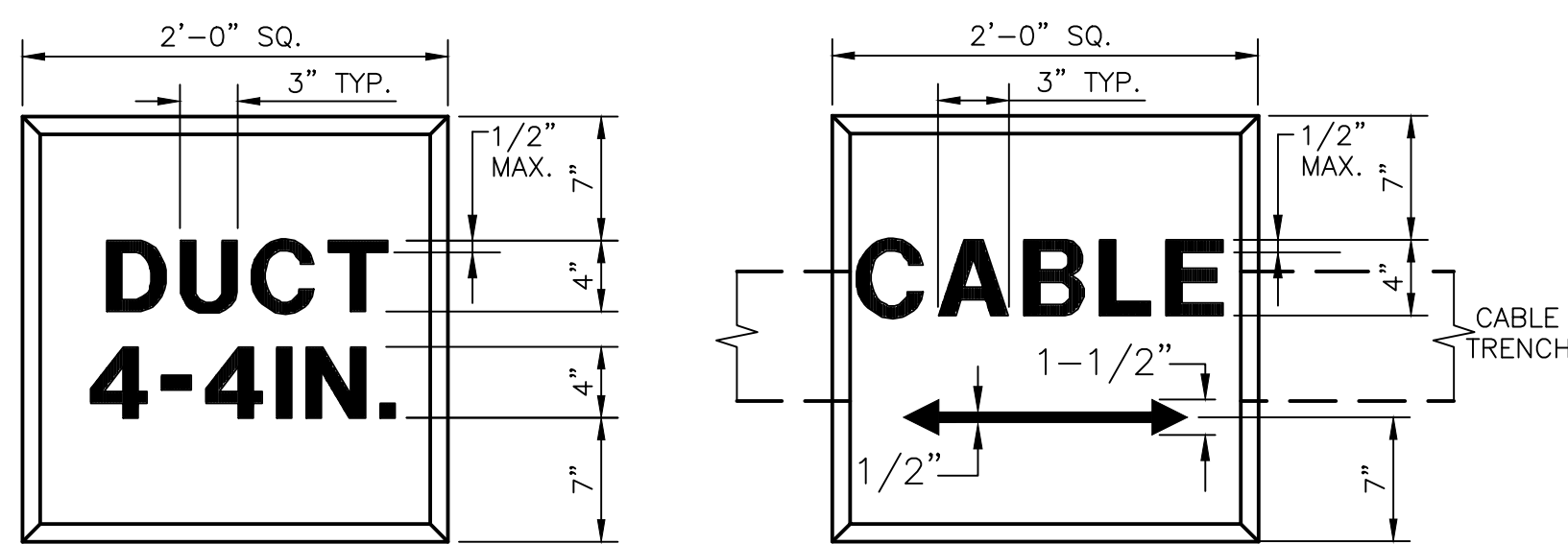
MERIDEN, CONNECTICUT

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Dwn. Chkd. Dsgn. YY.MM.DD

Title  
ELECTRICAL LAYOUT PLAN  
SHEET 3 OF 3

Project No. 179450289 Scale AS SHOWN

Drawing No. E.302 Sheet 26 of 31 Revision



**DUCTBANK MARKER NOTES:**

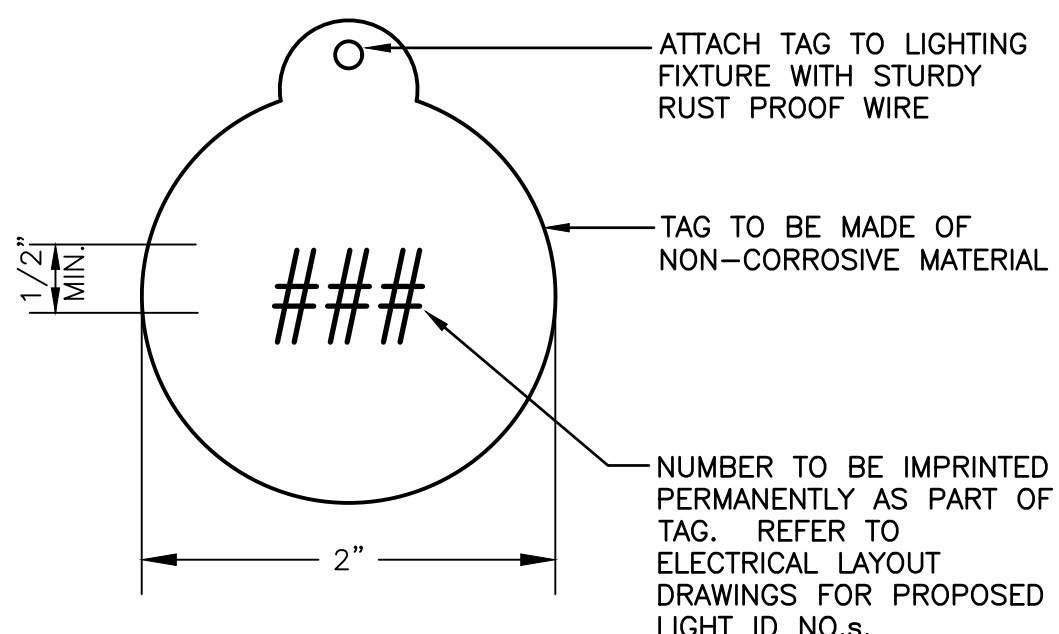
1. DUCT MARKER SHALL INDICATE NUMBER AND SIZE OF DUCTS.
2. DIMENSIONS OF 2-WAY DUCT (NOT SHOWN) SHALL HAVE SIMILAR LATERAL DIMENSIONS AND SHALL HAVE 10" LONGITUDINAL DIMENSIONS WITH 3" OF CONCRETE ABOVE AND BELOW 4" DUCT

**CABLE MARKER NOTES:**

1. HAND LETTERING NOT ALLOWED ON MARKERS. LETTERING IS TO BE IMPRESSED.
2. ARROW ON CABLE MARKER TO INDICATE DIRECTION OF CABLES. (WHERE APPLICABLE)
3. NO SEPARATE PAYMENT SHALL BE MADE FOR ANY TYPE OF MARKER.
4. ALL CONCRETE MARKERS SHALL BE AT LEAST 4" IN THICKNESS.
5. CABLE MARKERS SHALL BE PLACED AT CHANGE OF DIRECTION AND AS REQUIRED BY ENGINEER.

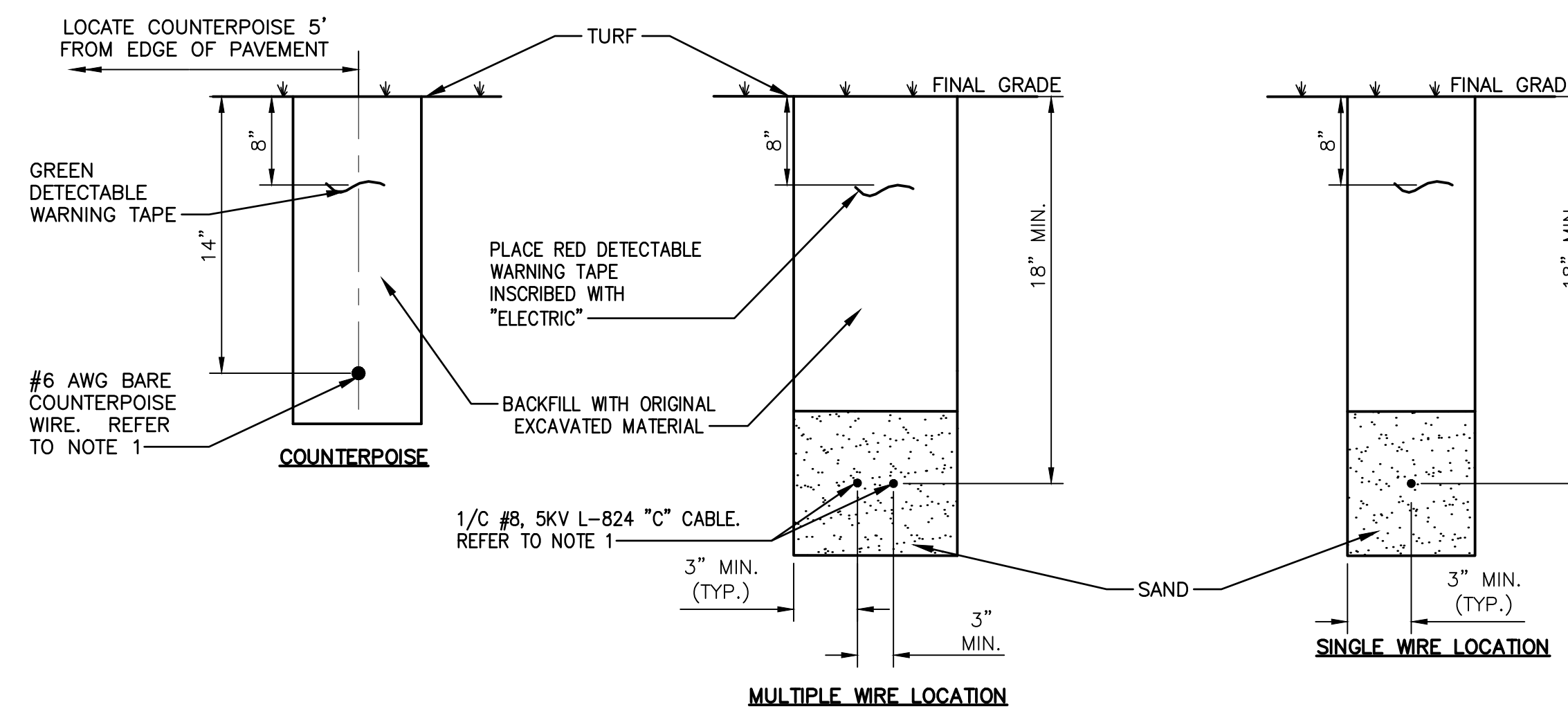
**4-WAY ELECTRICAL DUCTBANK MARKER AND CABLE MARKER**

SCALE: N.T.S.



**LIGHT IDENTIFICATION TAG**

SCALE: N.T.S.

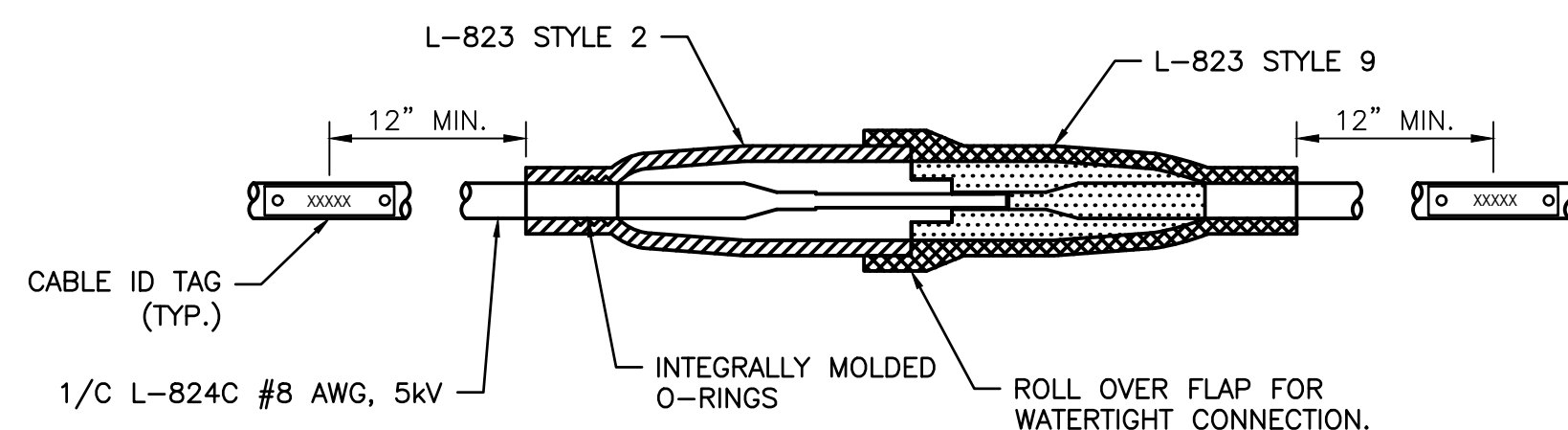


**DIRECT BURIED CABLE TRENCHING DETAILS**

SCALE: N.T.S.

**NOTES:**

1. CONTRACTOR SHALL UTILIZE A CABLE PLOW FOR ALL DIRECT BURIED CABLE AND COUNTERPOISE WIRE INSTALLATIONS. CONTRACTOR SHALL CONFIRM INTENDED CABLE INSTALLATION METHOD WITH ENGINEER PRIOR TO CONSTRUCTION COMMENCEMENT.
2. SIDE OF TRENCH MAY BE SLOPED BACK TO MEET SAFETY REQUIREMENTS WHERE EXTRA WIDTH IS POSSIBLE.
3. TRENCHING DETAILS ABOVE SHALL BE UTILIZED FOR CABLE INSTALLATIONS WHEN RUNNING PARALLEL ALONG EDGE OF PAVEMENT. WHERE PROPOSED AIRFIELD LIGHTING CABLES ARE NOT RUN PARALLEL TO PAVEMENT EDGE, FURNISH AND INSTALL #6 AWG BARE COUNTERPOISE WIRE 8" MINIMUM CENTERED ABOVE #8 AWG L-824C AIRFIELD LIGHTING CABLE(S).

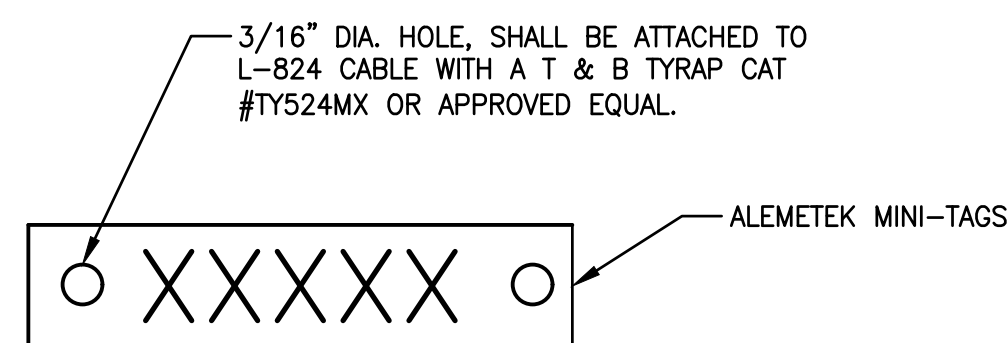


**NOTE:**

1. CONTRACTOR SHALL COORDINATE WITH MANUFACTURER OF CONNECTOR KIT TO ASSURE PROPER AND WATERTIGHT FIT.

**L-823 PRIMARY CABLE CONNECTOR DETAIL**

SCALE: N.T.S.

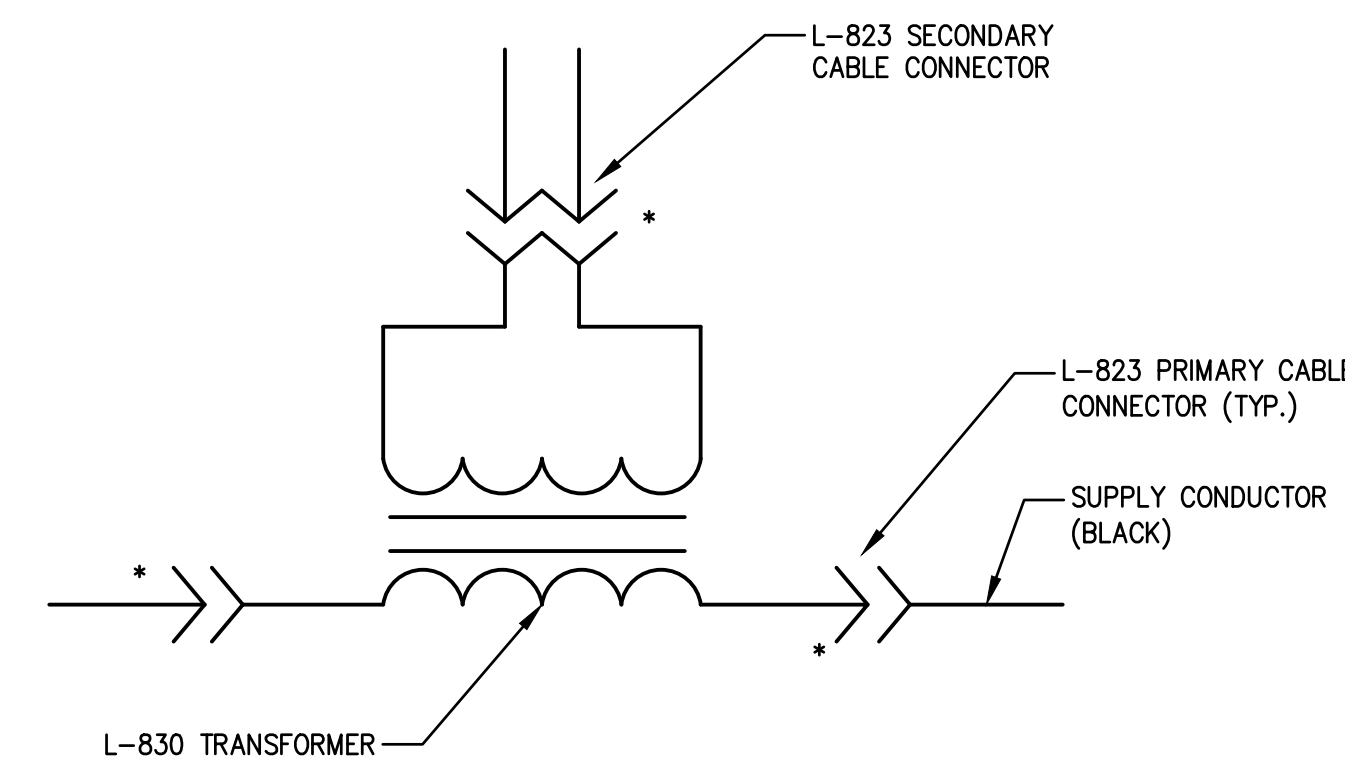


**NOTE:**

1. CONTRACTOR SHALL COORDINATE CABLE ID INSCRIPTION(S) WITH ENGINEER DURING EQUIPMENT SUBMITTAL TIMEFRAME PRIOR TO CONSTRUCTION. REFER TO AIRFIELD LIGHTING CIRCUIT INDEX ON DRAWING E.001.

**TYPICAL L-824 CABLE ID TAG**

SCALE: N.T.S.



\* - TAPE CONNECTOR WITH ELECTRICAL TAPE

**NOTE:**

1. HEAT SHRINK TUBING SHALL NOT BE USED ON L-823 CONNECTORS

**ISO. TRANSFORMER WIRING SCHEMATIC DETAIL**

SCALE: N.T.S.

Revision	By	Appd.	MM,DD,YY

Issued	By	Appd.	YY,MM,DD

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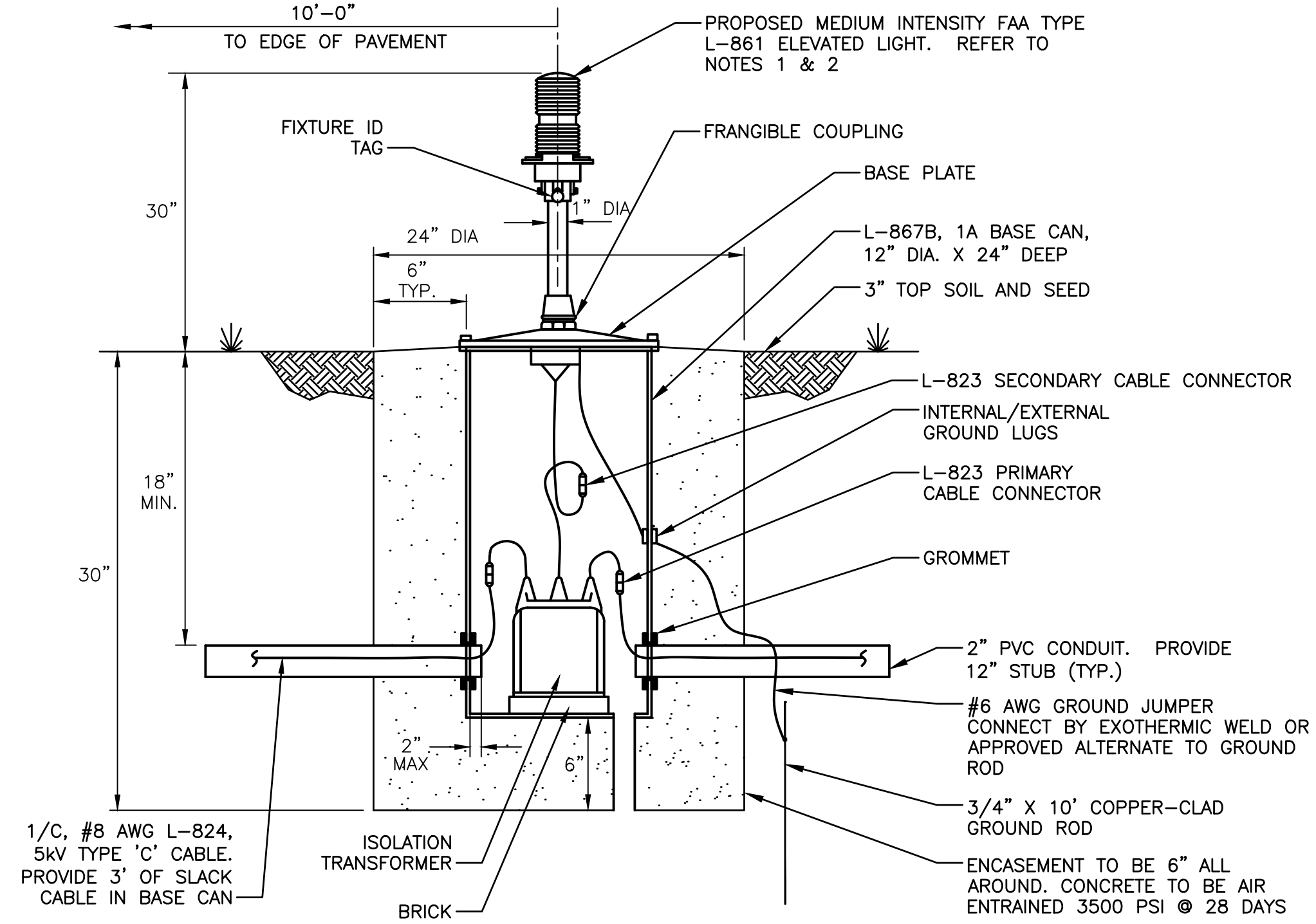
*M. L. Glavinovic*

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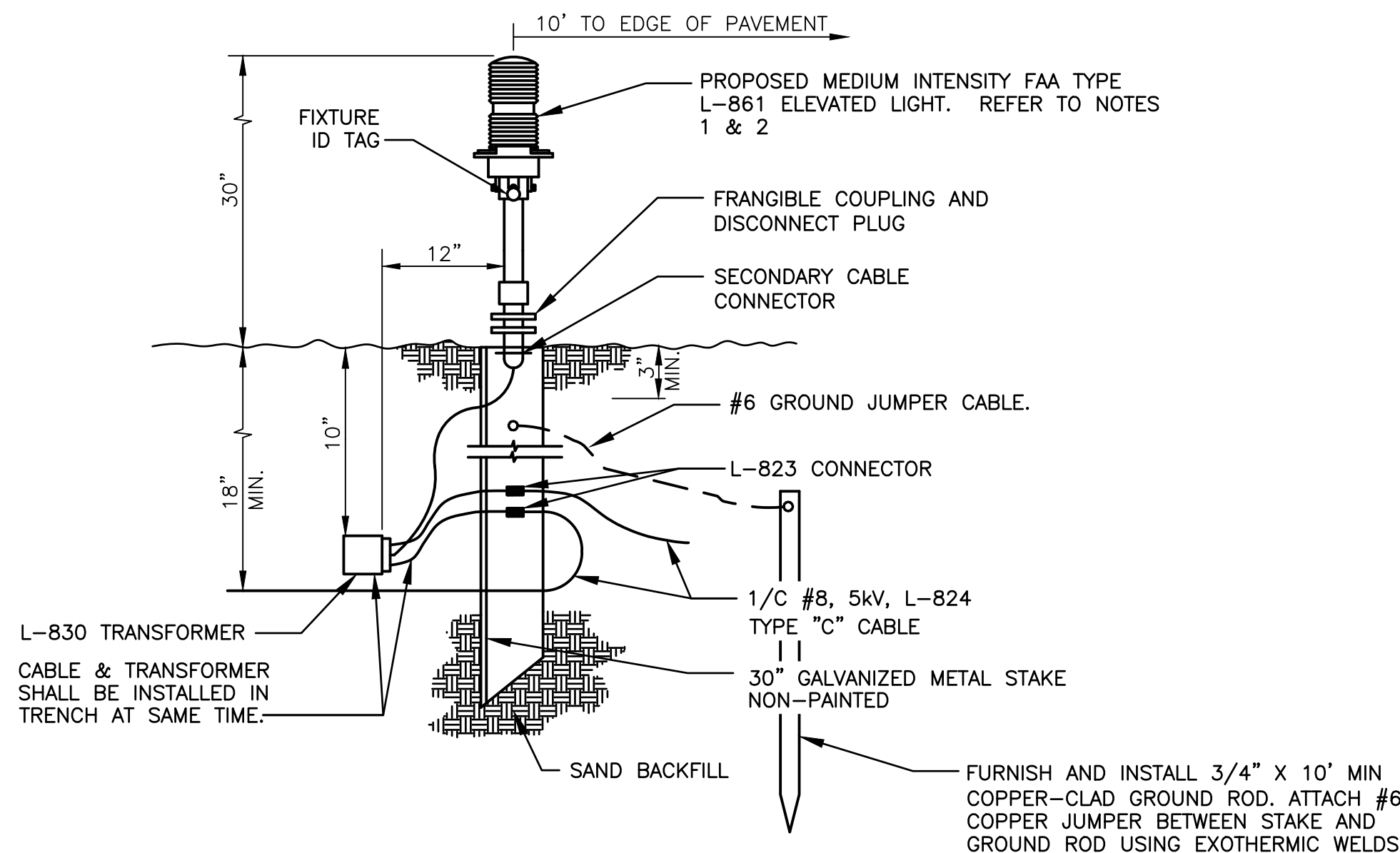
Client/Project	MERIDEN MARKHAM MUNICIPAL AIRPORT
	RUNWAY 18-36 REHABILITATION
	MERIDEN, CONNECTICUT
File Name:	30287_29_E.500-502_elec_dfs.dwg
HAB Dwn.	MLC Chkd.
HAB Dsgn.	21.04.07 YY,MM,DD

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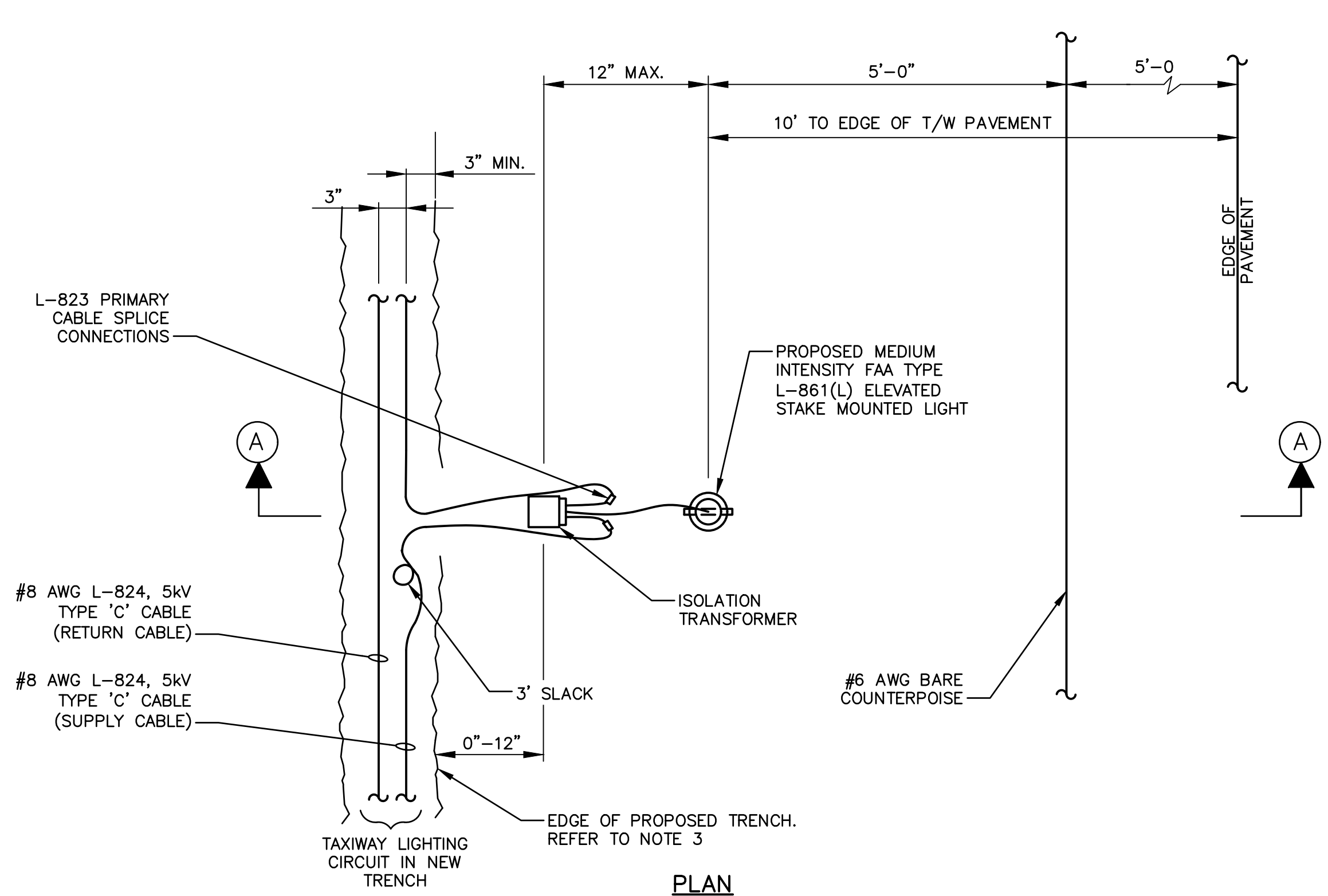
**L-861 BASE CAN MOUNTED FIXTURE DETAIL**  
SCALE: N.T.S.

- NOTES:**
- CONTRACTOR SHALL PROVIDE L-861(L), L-861E(L), L-861SE(L) AND L-861T(L) RUNWAY AND TAXIWAY BASE MOUNTED FIXTURE TYPES WHERE INDICATED ON LAYOUT DRAWINGS. PROVIDE BI-DIRECTIONAL FIXTURES FOR ALL PROPOSED RUNWAY FIXTURES. PROVIDE OMNI-DIRECTIONAL BLUE TAXIWAY LIGHTS.
  - ALL PROPOSED LED FIXTURES SHALL HAVE INTEGRAL HEATER OPTION INCLUDED.



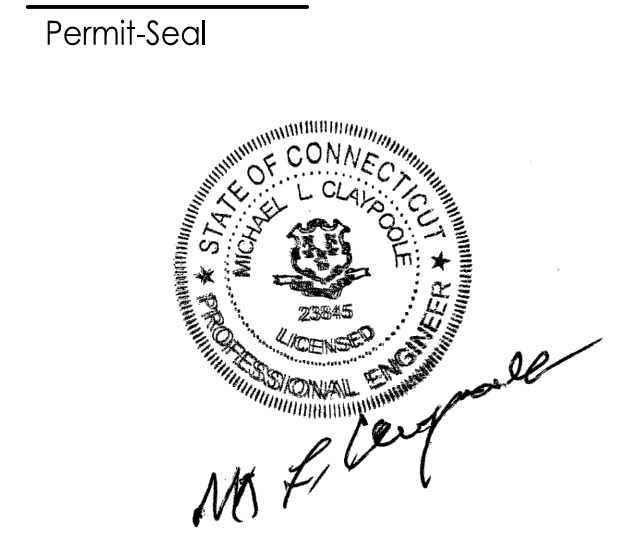
**L-861 STAKE MOUNTED FIXTURE DETAIL**  
SCALE: N.T.S.

- NOTES:**
- CONTRACTOR SHALL PROVIDE L-861(L), L-861E(L), L-861SE(L) AND L-861T(L) RUNWAY AND TAXIWAY FIXTURE TYPES WHERE INDICATED ON LAYOUT DRAWINGS. PROVIDE BI-DIRECTIONAL FIXTURES FOR ALL PROPOSED RUNWAY FIXTURES. PROVIDE OMNI-DIRECTIONAL BLUE TAXIWAY LIGHTS.
  - ALL PROPOSED LED FIXTURES SHALL HAVE INTEGRAL HEATER OPTION INCLUDED.



**STAKE MOUNTED FIXTURE AND CABLE INSTALLATION DETAIL**  
SCALE: N.T.S.

- NOTE:**
- THIS DETAIL SHALL BE REFERENCED FOR L-824 CABLE INSTALLATION AND BASE/STAKE MOUNTED L-861(L) FIXTURE INSTALLATIONS.
  - REFER TO DIRECT BURIED CABLE TRENCHING DETAILS ON DRAWING E.500.
  - PROPOSED AIRFIELD LIGHTING CABLES FURNISHED AND INSTALLED BETWEEN L-861(L) ELEVATED RUNWAY AND TAXIWAY FIXTURES SHALL BE INSTALLED A MINIMUM OF 10' AND A MAXIMUM OF 12' FROM EDGE OF RUNWAY OR TAXIWAY PAVEMENT.



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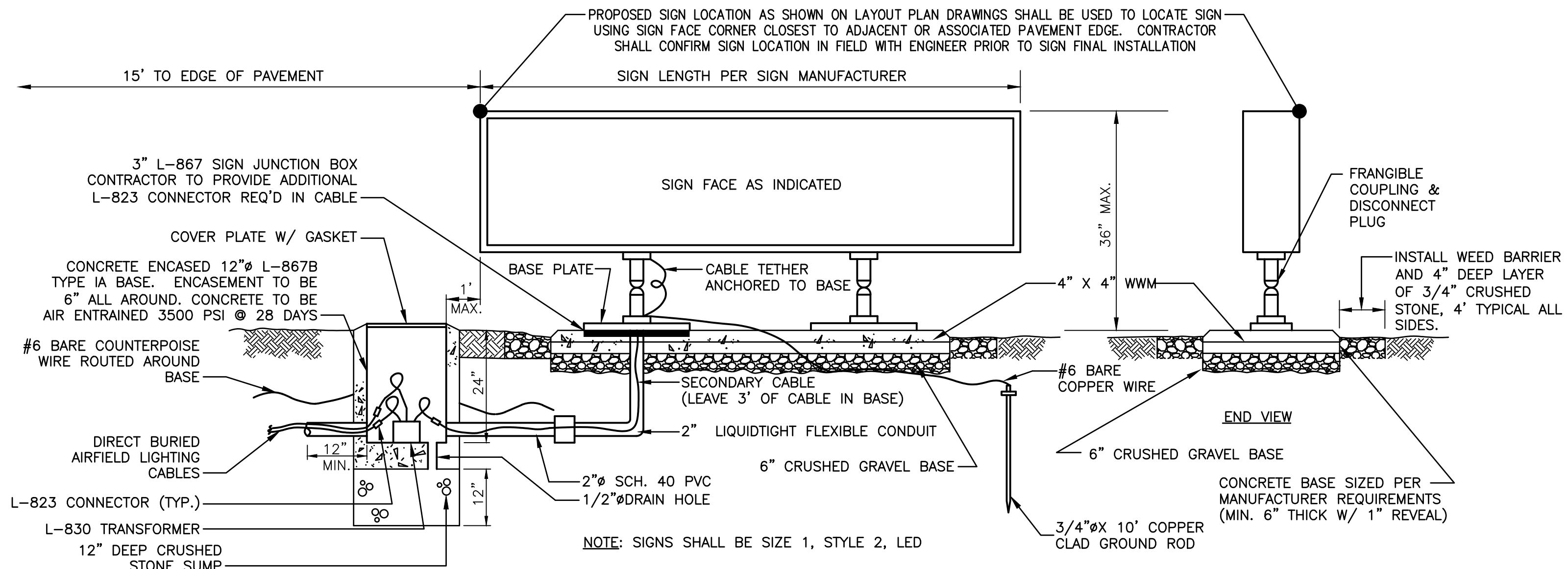
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MERIDEN MARKHAM MUNICIPAL AIRPORT			
RUNWAY 18-36 REHABILITATION			
MERIDEN, CONNECTICUT			
File Name:	30287_29_E.500-502_elec_dfs.dwg	HAB	MLC
Dwn.	Chkd.	Dsgn.	21.04.07
Title			
ELECTRICAL DETAILS SHEET 2 OF 3			
Project No.	179450289	Scale	AS SHOWN
Drawing No.	E.501	Sheet	28 of 31
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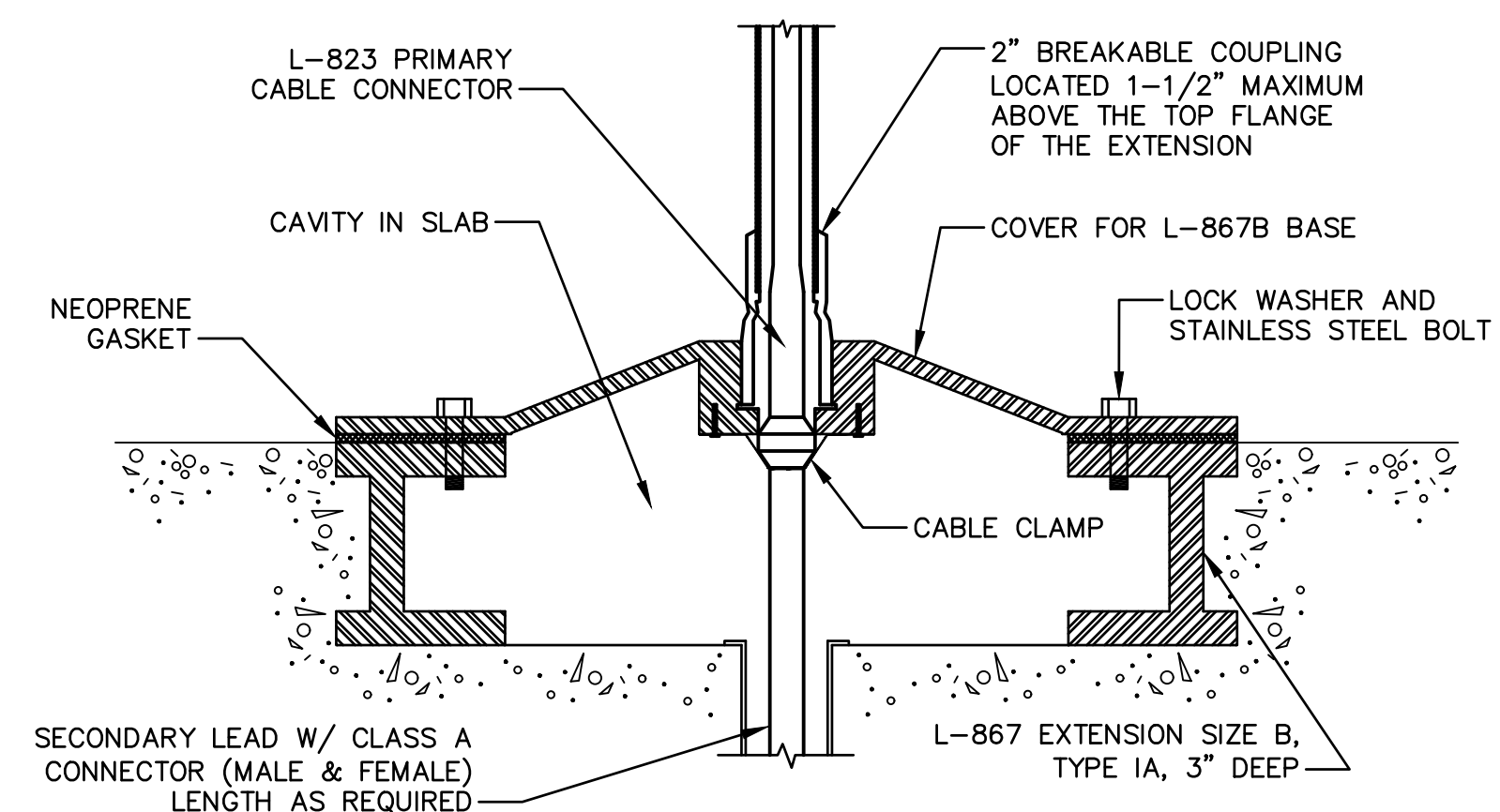
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Revision			
By	Appd.	MM.DD.YY	Issued
By	Appd.	YY.MM.DD	

SIGN SCHEDULE				
SIGN NO	SIDE A	SIDE B	CCR ID	REMARKS
S1	<b>A</b> Y/B BL	<b>A 18</b> Y/B W/R	RW	NEW LED, SIZE 1, STYLE 2, MODE 2
S2	<b>←A→</b> B/Y	BL	TW	NEW LED, SIZE 1, STYLE 2, MODE 2
S3	<b>A→</b> B/Y	BL	RW	NEW LED, SIZE 1, STYLE 2, MODE 2
S4	<b>A FUEL→</b> Y/B B/Y	<b>←FUEL A</b> B/Y Y/B	TW	NEW LED, SIZE 1, STYLE 2, MODE 2
S5	BL	<b>←D</b> B/Y	RW	NEW LED, SIZE 1, STYLE 2, MODE 2
S6	<b>←A→</b> B/Y	BL	TW	NEW LED, SIZE 1, STYLE 2, MODE 2
S7	<b>D→</b> B/Y	BL	RW	NEW LED, SIZE 1, STYLE 2, MODE 2
S8	<b>D</b> Y/B BL	<b>D 36-18</b> Y/B W/R	RW	NEW LED, SIZE 1, STYLE 2, MODE 2
S9	BL	<b>←C</b> B/Y	RW	NEW LED, SIZE 1, STYLE 2, MODE 2
S10	<b>←A→</b> B/Y	BL	TW	NEW LED, SIZE 1, STYLE 2, MODE 2
S11	<b>C→</b> B/Y	BL	RW	NEW LED, SIZE 1, STYLE 2, MODE 2
S12	<b>C</b> Y/B BL	<b>C 36-18</b> Y/B W/R	RW	NEW LED, SIZE 1, STYLE 2, MODE 2
S13	BL	<b>←B</b> B/Y	RW	NEW LED, SIZE 1, STYLE 2, MODE 2
S14	<b>←A→</b> B/Y	BL	TW	NEW LED, SIZE 1, STYLE 2, MODE 2
S15	<b>B→</b> B/Y	BL	RW	NEW LED, SIZE 1, STYLE 2, MODE 2
S16	<b>B</b> Y/B BL	<b>B 36-18</b> Y/B W/R	RW	NEW LED, SIZE 1, STYLE 2, MODE 2
S17	BL Y/B	<b>A A→</b> Y/B B/Y	TW	NEW LED, SIZE 1, STYLE 2, MODE 2
S18	<b>←A→</b> B/Y	BL	TW	NEW LED, SIZE 1, STYLE 2, MODE 2
S19	BL	<b>←B</b> B/Y	RW	NEW LED, SIZE 1, STYLE 2, MODE 2
S20	<b>A</b> Y/B BL	<b>A 36</b> Y/B W/R	RW	NEW LED, SIZE 1, STYLE 2, MODE 2

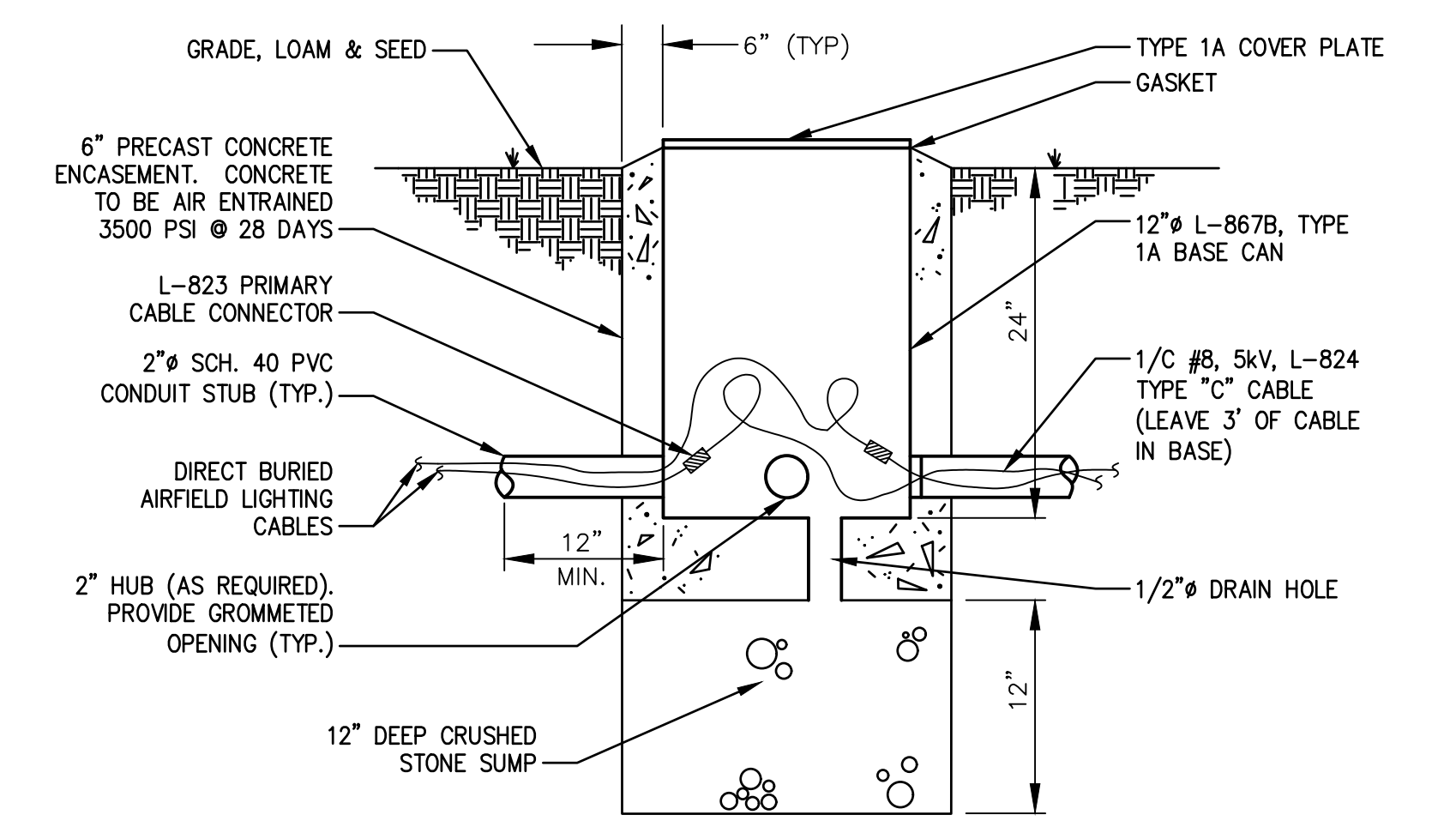
**SIGN LEGEND:**  
 BL BLANK  
 B/Y BLACK SYMBOL ON YELLOW BACKGROUND  
 Y/B YELLOW SYMBOL ON BLACK BACKGROUND  
 W/R WHITE SYMBOL ON RED BACKGROUND



**L-858 ILLUMINATED AIRFIELD GUIDANCE SIGN DETAIL**  
 SCALE: N.T.S.

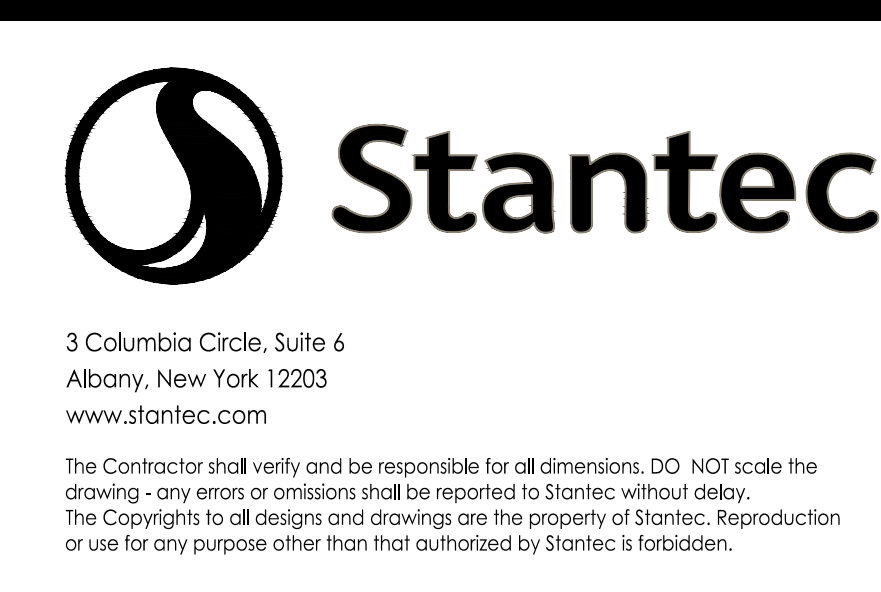
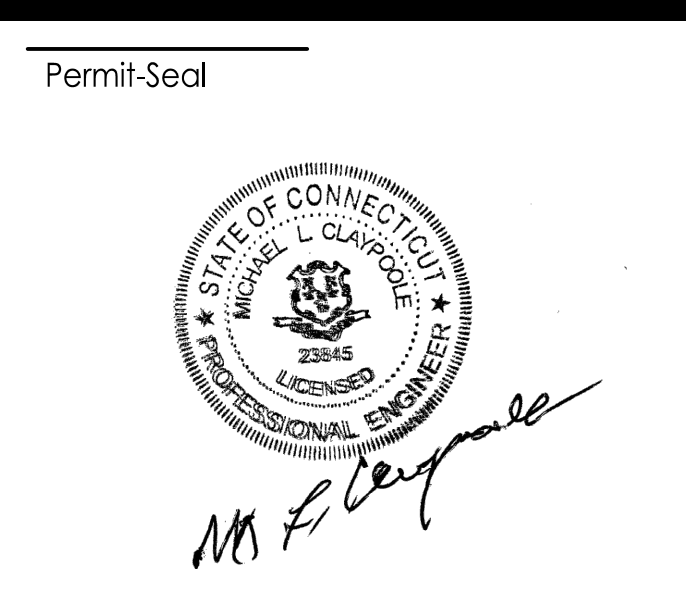


**SIGN JUNCTION BOX AND L-823 CONNECTION**  
 SCALE: N.T.S.



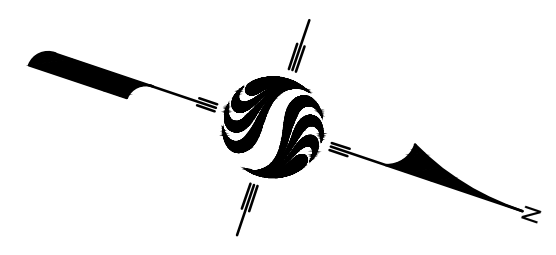
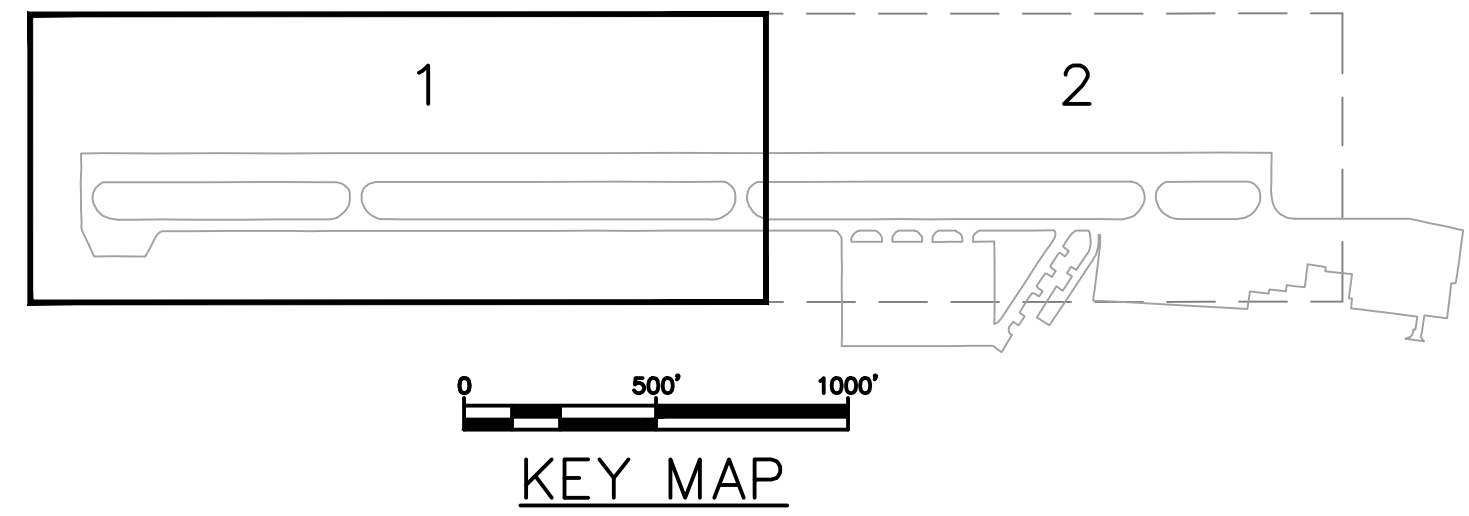
**L-867 ELECTRICAL JUNCTION CAN DETAIL**  
 SCALE: N.T.S.

Revision	By	Appd.	MM/DD/YY	Issued	By	Appd.	YY/MM/DD



Client/Project	MERIDEN MARKHAM MUNICIPAL AIRPORT
	RUNWAY 18-36 REHABILITATION
	MERIDEN, CONNECTICUT
File Name:	30287_29_E.500-502_elec_dfs.dwg
HAB Dwn.	MLC Chkd.
HAB Dsgn.	21.04.07

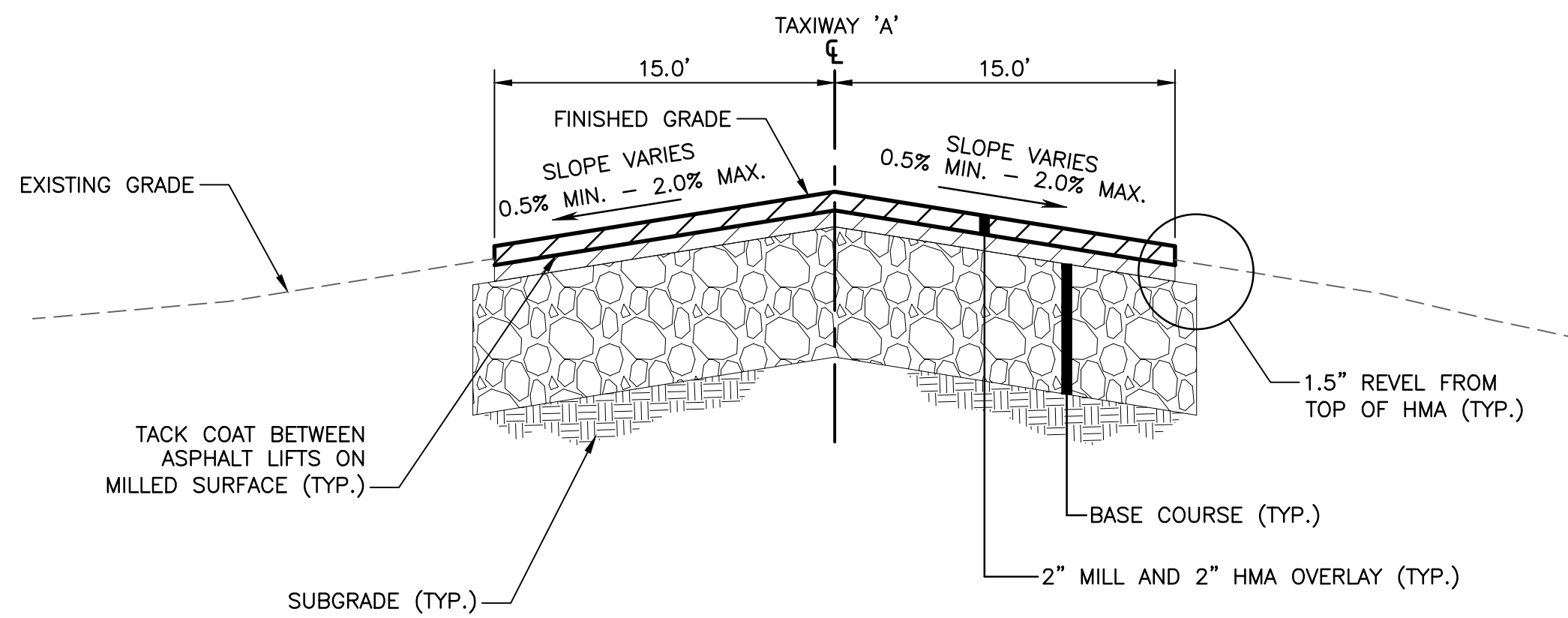
Title	ELECTRICAL DETAILS SHEET 3 OF 3		
Project No.	179450289	Scale	AS SHOWN
Drawing No.	E.502	Sheet	29 of 31
		Revision	



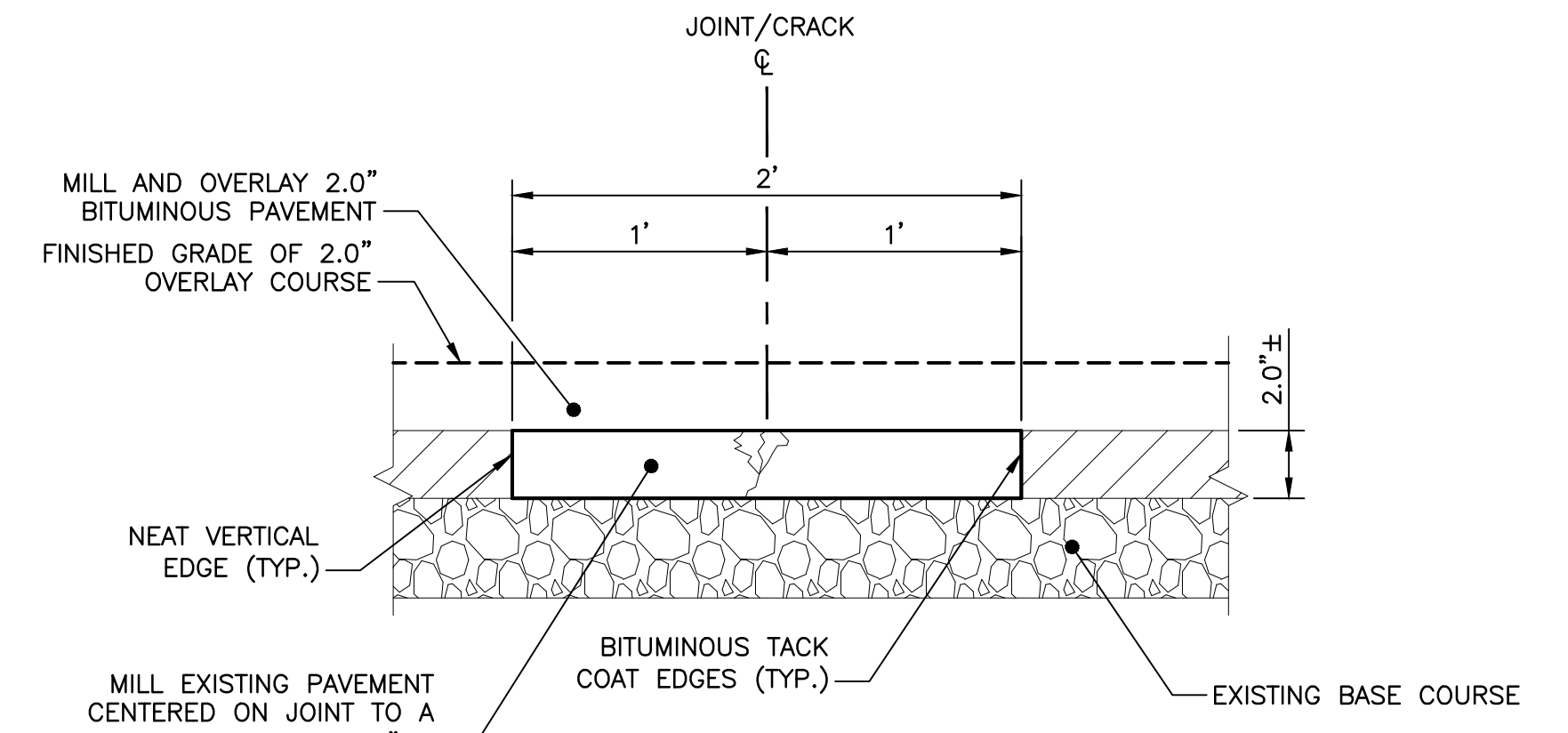
- LEGEND**
- BASE BID**
- IN-PLACE FULL DEPTH RECLAMATION  
4" HMA ON 7" RECYCLED BASE COURSE
  - IN-PLACE FULL DEPTH RECLAMATION  
WITH CORRECTIVE AGGREGATE MATERIAL  
4" HMA ON 7" RECYCLED BASE COURSE
  - TOPSOIL AND SEED

- ADD ALTERNATE No. 1**
- 2" MILL WITH 2" HMA OVERLAY 1  
ADD 1A
  - POINT I.D. #, SEE POINT TABLE
  - FULL-DEPTH SAWCUT BITUMINOUS  
PAVEMENT LIMITS PRIOR TO MILLING,  
INCIDENTAL TO MILLING ITEM
  - BITUMINOUS JOINT SAW AND SEAL 1  
C.107
  - CRACK REPAIR 2  
ADD 1A

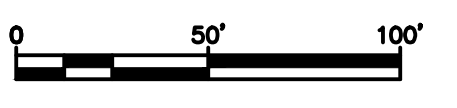
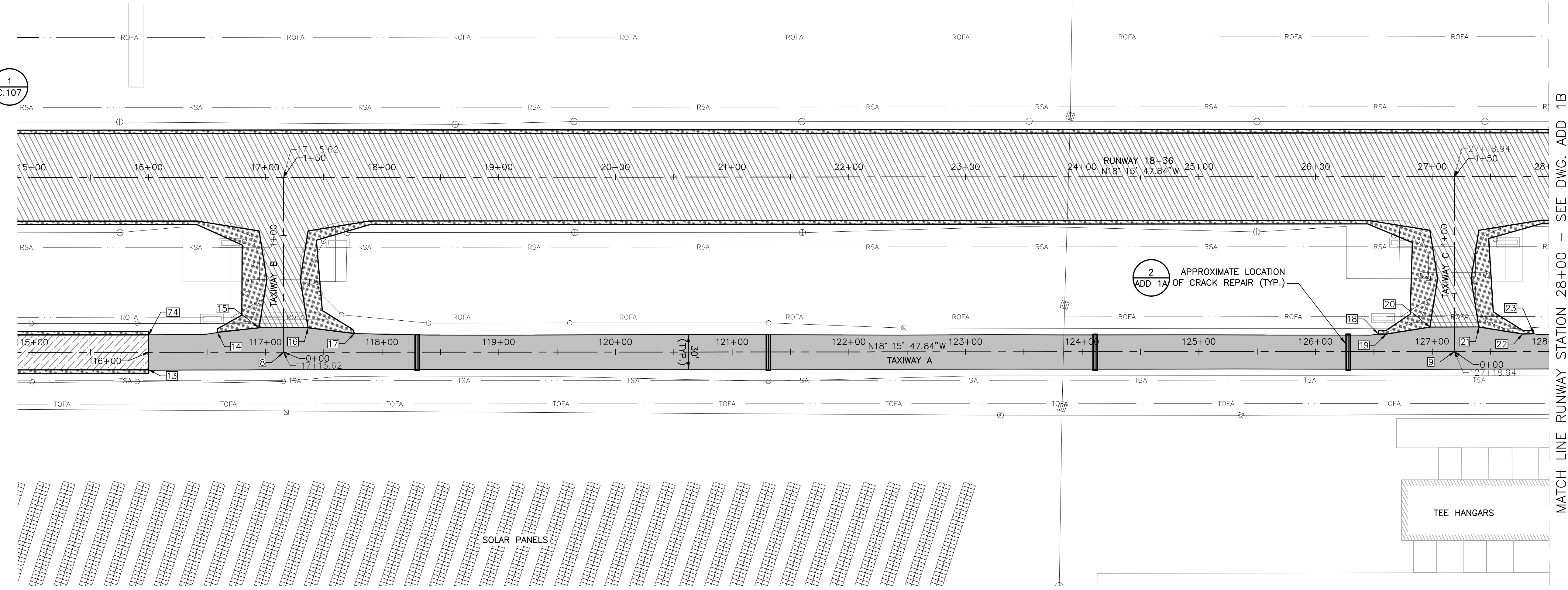
- NOTES:**
1. ADD ALTERNATE No. 1, 2" MILL AND 2" HMA OVERLAY OF THE REMAINING TAXIWAY 'A' SHALL MATCH THE EXISTING GRADES AND SLOPE OF THE TAXIWAY.
  2. THE INTERFACE BETWEEN THE BASE BID FULL DEPTH RECLAMATION AND ADD ALTERNATE No. 1 2" MILL AND 2" HMA OVERLAY SHALL BE PAVED AS SEAMLESSLY AS POSSIBLE AS A CONTINUOUS 2" HOT MIX ASPHALT PAVEMENT TOP COURSE LIFT.



**1 TAXIWAY 'A' TYPICAL SECTION**  
FROM STA. 116+00 TO 142+00  
NOT TO SCALE



**2 CRACK REPAIR DETAIL**  
NOT TO SCALE



MATCH LINE RUNWAY STATION 28+00 - SEE DWG. ADD 1B

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RUNWAY 18-36 REHABILITATION

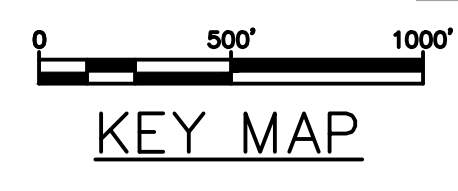
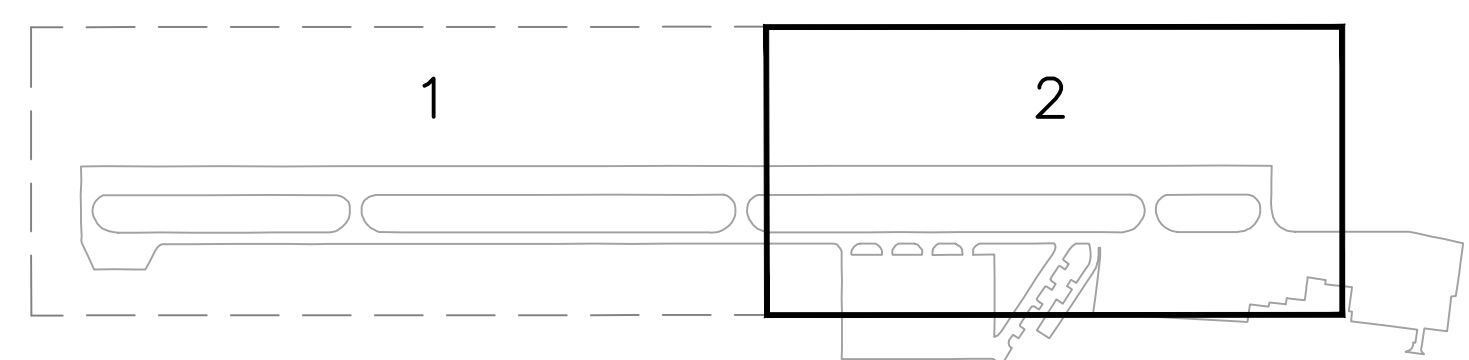
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File Name: 179450289

CAM	PVE	CAM	21.04.07
Dwn.	Chkd.	Dsgn.	YY.MM.DD



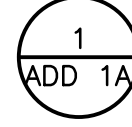


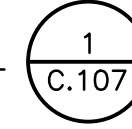




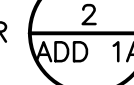
Title  
ADD ALTERNATE No. 1  
TAXIWAY A, MILL AND OVERLAY  
SHEET 1 OF 2

Project No. 179450289	Scale AS SHOWN
Drawing No.	Sheet ADD 1A
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KEY MAP

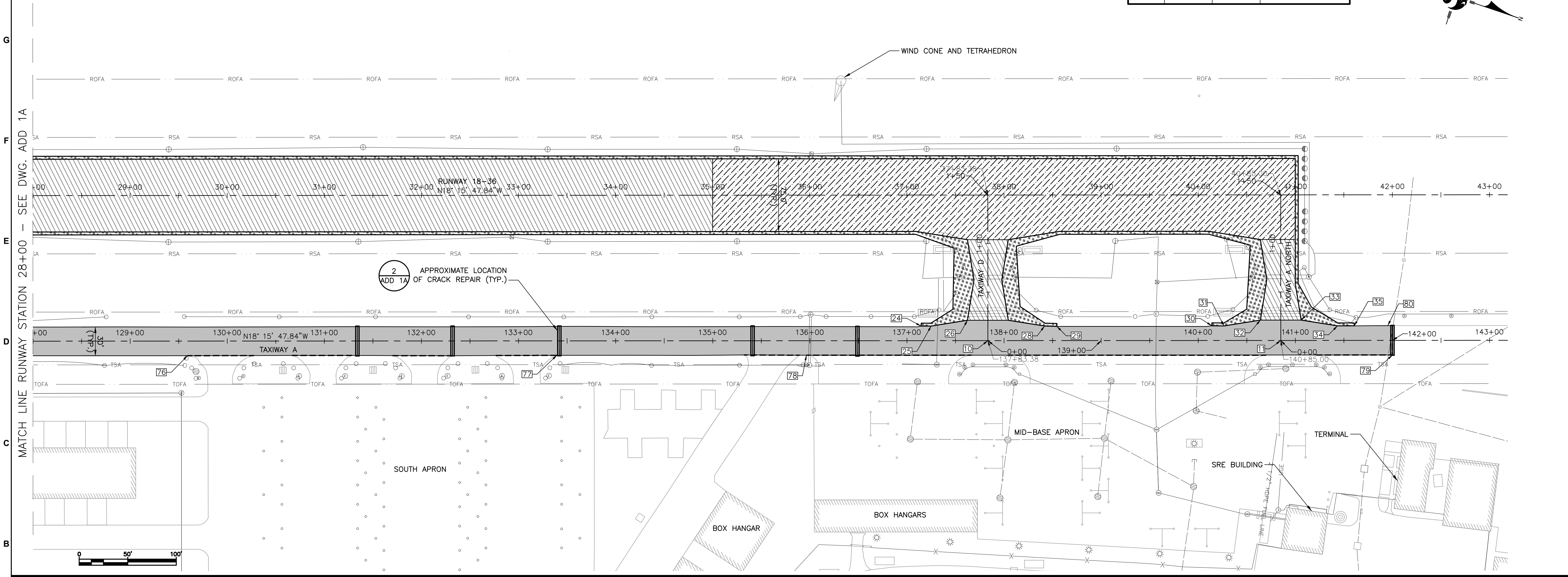
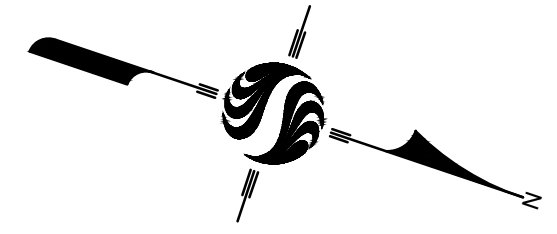
**LEGEND**

- |  |  |   |   |   |
|--|--|---|---|---|
|  | <b>BASE BID</b><br>IN-PLACE FULL DEPTH RECLAMATION<br>4" HMA ON 7" RECYCLED BASE COURSE                    |  | <b>ADD ALTERNATE No. 1</b><br>2" MILL WITH 2" HMA OVERLAY                                       |  |
|  | IN-PLACE FULL DEPTH RECLAMATION<br>WITH CORRECTIVE AGGREGATE MATERIAL<br>4" HMA ON 7" RECYCLED BASE COURSE |  | POINT I.D. #, SEE POINT TABLE   |  |
|  | TOPSOIL AND SEED   |  | FULL-DEPTH SAWCUT BITUMINOUS<br>PAVEMENT LIMITS PRIOR TO MILLING,<br>INCIDENTAL TO MILLING ITEM |   |
|  |  |  | BITUMINOUS JOINT SAW AND SEAL   |   |
|  |  |  | CRACK REPAIR  |  |

- NOTES:**
- ADD ALTERNATE No. 1, 2" MILL AND 2" HMA OVERLAY OF THE REMAINING TAXIWAY 'A' SHALL MATCH THE EXISTING GRADES AND SLOPE OF THE TAXIWAY.
  - THE INTERFACE BETWEEN THE BASE BID FULL DEPTH RECLAMATION AND ADD ALTERNATE No. 1 2" MILL AND 2" HMA OVERLAY SHALL BE PAVED AS SEAMLESSLY AS POSSIBLE AS A CONTINUOUS 2" HOT MIX ASPHALT PAVEMENT TOP COURSE LIFT.

Point Table			
Point #	Northing	Easting	Description
8	745349.88	978636.16	TW A & TW B
9	746302.66	978321.74	TW A & TW C
10	747313.48	977988.16	TW A & TW D
11	747599.91	977893.63	TW A & TW A NORTH
13	745244.78	978686.64	MATCH EX.
14	745290.63	978637.72	MATCH EX.
15	745323.36	978622.80	TW FILLET
16	745363.24	978609.64	TW FILLET
17	745402.35	978601.95	MATCH EX.
18	746236.06	978327.84	MATCH EX.
19	746242.48	978325.76	TW FILLET
20	746276.14	978308.37	TW FILLET
21	746316.02	978295.21	TW FILLET
22	746353.42	978289.15	TW FILLET
23	746362.45	978285.98	MATCH EX.
24	747243.33	977995.49	MATCH EX.
25	747253.31	977992.22	TW FILLET
26	747286.96	977974.80	TW FILLET

Point Table			
Point #	Northing	Easting	Description
28	747364.25	977955.61	TW FILLET
29	747376.38	977952.00	MATCH EX.
30	747527.71	977901.48	MATCH EX.
31	747539.74	977897.69	TW FILLET
32	747573.38	977880.27	TW FILLET
33	747613.27	977867.11	TW FILLET
34	747650.67	977861.08	TW FILLET
35	747667.05	977855.66	MATCH EX.
74	745235.38	978658.15	MATCH EX.
76	746535.41	978260.74	MILLING LIMIT
77	746896.56	978141.42	MILLING LIMIT
78	747140.68	978060.91	MILLING LIMIT
79	747713.83	977871.90	MILLING LIMIT
80	747699.76	977844.66	MILLING LIMIT



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RUNWAY 18-36 REHABILITATION

MERIDEN, CONNECTICUT

File Name: 17945028P

CAM	PVE	CAM	21.04.07
Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title  
ADD ALTERNATE No. 1  
TAXIWAY A, MILL AND OVERLAY  
SHEET 2 OF 2

Project No. 179450289	Scale AS SHOWN
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