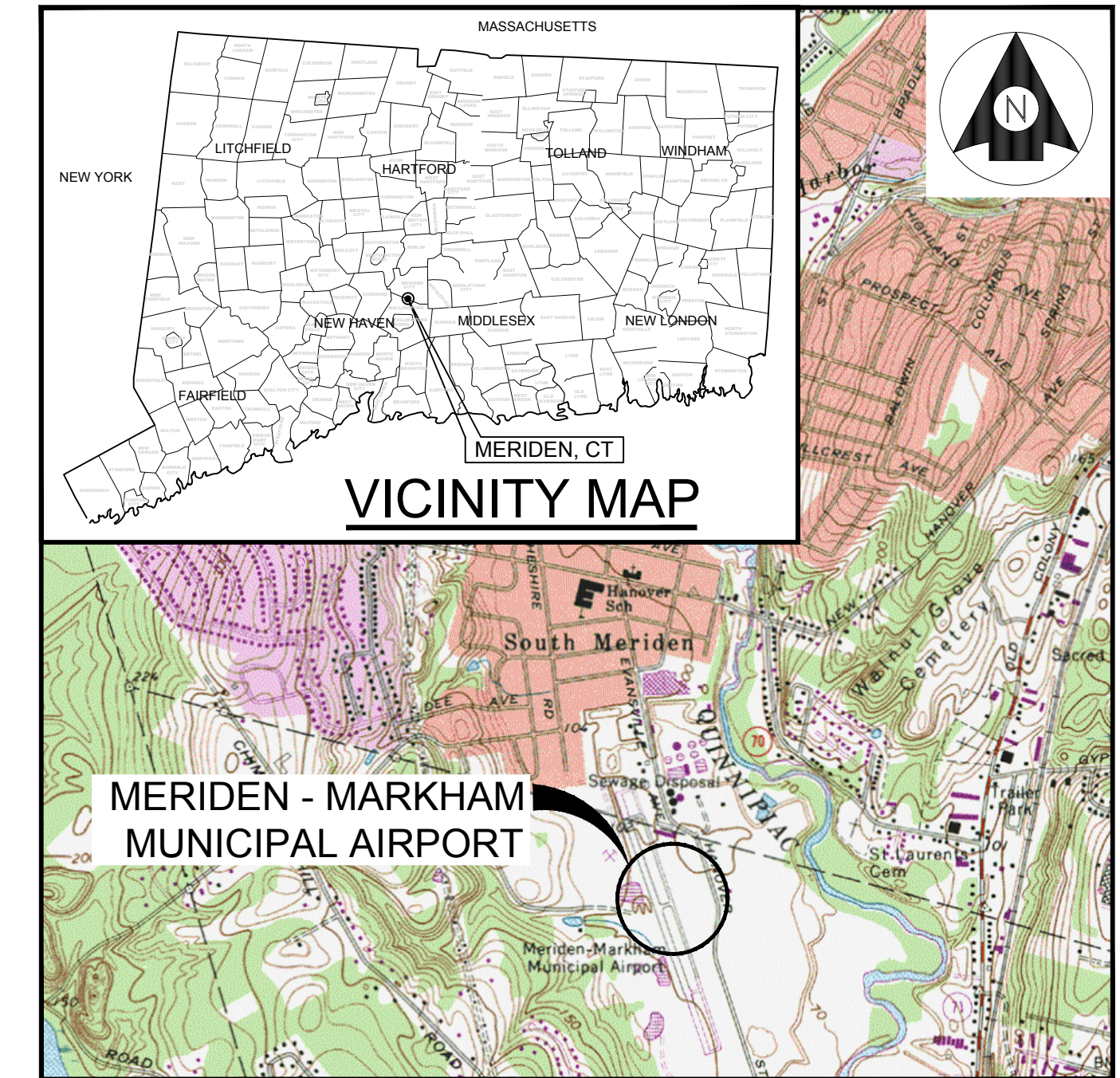




Meriden-Markham Municipal Airport City of Meriden, Connecticut

Contract Plans For:

REHABILITATE SOUTH APRON & RECONSTRUCT SOUTH TAXILANE



PROJECT LOCATION MAP
NOT TO SCALE



INDEX OF DRAWINGS

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City of Meriden Contract No. B023-44
 FAA AIP NO. 3-09-0012-030-2023
 Stantec Project No. 179450653
 APRIL 4, 2023

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 OPERATION DURING THE CONSTRUCTION OF THIS PROJECT. ADVANCED COORDINATION OF ALL WORK WITH THE AIRPORT MANAGER AND THE RPR IS MANDATORY SO AS TO MINIMIZE IMPACTS ON AIRPORT OPERATIONS.
- 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.
- EXISTING AIRFIELD LIGHTING SYSTEMS - INTERRUPTION OF EXISTING AIRFIELD LIGHTING SYSTEMS NOT INCLUDED IN THIS PROJECT SHALL NOT BE PERMITTED. ALL AIRFIELD LIGHTING CIRCUITS AFFECTED BY THIS PROJECT SHALL BE MAINTAINED BY THE CONTRACTOR DURING OPERATIONAL PERIODS IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR AS DIRECTED BY THE RPR.
- 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. ALL EQUIPMENT SHALL BE PARKED AT THE STAGING AREA WHEN NOT IN USE.
- FOR EMERGENCIES INVOLVING SAFETY (INJURIES, FIRES, SECURITY BREACHES, ETC.) THE CONTRACTOR SHALL MAKE DIRECT CONTACT WITH THE AIRPORT MANAGER (203) 630-2878 FOLLOWED BY NOTIFICATION TO THE RPR AS SOON AS POSSIBLE.
- THE CONTRACTOR SHALL PROVIDE THE PHONE NUMBERS 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", AND THESE PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL FURNISH A SPCD (SAFETY PLAN COMPLIANCE DOCUMENT) WITHIN FIVE (5) DAYS PRIOR TO THE ISSUANCE OF A NOTICE TO PROCEED. THE CONTRACTOR SHALL BECOME KNOWLEDGEABLE OF THE REQUIREMENTS AND PROCEDURES OF FAA ADVISORY CIRCULAR 150/5370-2G AND THE CSPP, AND INCORPORATE THESE ITEMS IN TO 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 (AOA), 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 AND BARRICADES.
- 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.
- CONTRACTOR 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 RPR. THE SEQUENCE OF OPERATIONS 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 RUNWAY, TAXIWAYS, FUELING AREAS, AND AIRCRAFT PARKING APRONS SHALL REMAIN IN USE BY AIRCRAFT TO THE MAXIMUM EXTENT POSSIBLE. ALL AIRCRAFT TRAFFIC ON THESE AREAS SHALL HAVE PRIORITY OVER CONTRACTOR'S TRAFFIC. THE AIRPORT MANAGER RESERVES THE RIGHT TO ORDER THE CONTRACTOR AT ANY TIME TO VACATE ANY AREA NECESSARY TO MAINTAIN SAFE AIRCRAFT OPERATIONS. USE OF AREAS NEAR THE CONTRACTOR'S WORK WILL BE CONTROLLED TO MINIMIZE DISTURBANCE TO THE CONTRACTOR'S OPERATION. 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 CONCERNS 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 RUNWAY, 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.

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 THREE (3) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE RPR 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 FOR ASSISTANCE IN LOCATING UNDERGROUND UTILITIES.

SURVEY NOTES

- TOPOGRAPHIC SURVEY COMPLETED BY STANTEC CONSULTING SERVICES INCORPORATED, NOVEMBER 2021, BASED ON THE SECONDARY AIRPORT CONTROL STATION, DESIGNATION, MMK B, WHOSE PUBLISHED COORDINATES ARE N41°30'37.86554" W072°49'51.02089" NAD 83 (2011) AND AN ELEVATION OF 99.0 FEET NAVD 88.

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Client/Project

MERIDEN-MARKHAM MUNICIPAL AIRPORT

REHABILITATE SOUTH APRON &
RECONSTRUCT SOUTH TAXILANE

MERIDEN, CONNECTICUT

File Name: 179450653_SHEET_FILES CAM: PVE CAM: 2022.04.07
Dwn: Chkd: Dsgn: Y1.NM.DD

Title

GENERAL NOTES

Project No. Scale
179450653 N.T.S.






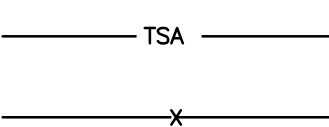






Drawing No. Sheet Revision

C.001 2 of 13 0

Revision By Appd. MM.DD.YY

Issued for Bid - APRIL 4, 2023
Issued

LEGEND

	CONSTRUCTION ACCESS ROUTE		APPROXIMATE CITY/TOWN LINE
	LOW PROFILE BARRICADE		TOFA TAXIWAY OBJECT FREE AREA
	CONTRACTOR STAGING AREA		TSA TAXIWAY SAFETY AREA
	PHASE 1		EXISTING PERIMETER FENCE
	PHASE 2		BARRICADE LAYOUT PHASE 1
			BARRICADE LAYOUT PHASE 1A
			BARRICADE LAYOUT PHASE 2
			BARRICADE LAYOUT PHASE 2A

I. PHASE I:

PHASE I SHALL CONSIST OF MILLING, SUBBASE GRADING AND PAVING THE MAJORITY OF THE SOUTH APRON (NORTHERN 7/8) AND FULL-DEPTH CONSTRUCTION OF THE SOUTH TAXILANE REALIGNMENT.

SUB-PHASE 1A: THE CONTRACTOR SHALL IMPLEMENT SUB-PHASE 1A BARRICADE LAYOUT WHEN WORK IS NOT TAKING PLACE WITHIN THE TAXIWAY OBJECT FREE AREA TO REDUCE TAXIWAY 'A' CLOSURES. TAXIWAY 'A' OBJECT FREE AREA SHALL BE CLEAR OF EQUIPMENT, CONSTRUCTION MATERIAL AND VERTICAL GRADE CHANGES OVER 2" IN HEIGHT.

II. CLOSURES:

- SOUTH APRON (NORTHERN 7/8)
- SOUTH TAXILANE
- HANGARS 'E' 'F' & 'G'
- TAXIWAY 'A' BETWEEN THE MIBBASE APRON AND THE SOUTHERN MOST SOUTH APRON ENTRANCE. (ONLY WHEN WORK IS OCCURRING IN THE TOFA)

III. SCHEDULE:

- UPON THE ISSUANCE OF A NOTICE TO PROCEED, THE TOTAL CONSTRUCTION DURATION FOR PHASE I WILL BE 50 CALENDAR DAYS.
- WORK SHALL BE PERFORMED DURING DAYTIME HOURS.

IV. DESCRIPTION OF MAJOR WORK EFFORTS:

- FURNISH AND INSTALL EROSION AND SEDIMENT CONTROL DEVICES.
- FURNISH AND INSTALL TRAFFIC CONTROL DEVICES (ie. CHANNELIZER CONES, SIGNAGE, BARRICADES, ETC.).
- ESTABLISH CONTRACTOR STAGING/LAYDOWN AREA
- REMOVAL OF EXISTING TIE-DOWN ANCHORS
- REMOVAL OF EXISTING SOUTH APRON ASPHALT
- FULL-DEPTH REMOVAL AND EXCAVATION OF TAXILANE PAVEMENT SECTION
- GRADE AND COMPACT SUBBASE
- FURNISH AND INSTALL DRAINAGE PIPES AND STRUCTURES
- MODIFY TAXIWAY EDGE LIGHTS AND AIRFIELD LIGHTING CABLES
- FURNISH AND INSTALL PAVEMENT SECTION
- FURNISH AND INSTALL TIE-DOWN ANCHORS
- FURNISH AND INSTALL PAVEMENT MARKINGS
- FURNISH AND PLACE OFF-SITE TOPSOIL AND HYDROSEED

I. PHASE II:

PHASE II SHALL CONSIST OF MILLING, SUBBASE GRADING AND PAVING THE REMAINING SECTION OF THE SOUTH APRON (SOUTHERN 1/8).

SUB-PHASE 2A: THE CONTRACTOR SHALL IMPLEMENT SUB-PHASE 2A BARRICADE LAYOUT WHEN WORK IS NOT TAKING PLACE WITHIN THE TAXIWAY OBJECT FREE AREA TO REDUCE TAXIWAY 'A' CLOSURES. TAXIWAY 'A' OBJECT FREE AREA SHALL BE CLEAR OF EQUIPMENT, CONSTRUCTION MATERIAL AND VERTICAL GRADE CHANGES OVER 2" IN HEIGHT.

II. CLOSURES:

THE CONTRACTOR SHALL ALLOW FOR TENANTS TO RELOCATE AIRCRAFT FROM HANGARS 'H' & 'I' TO THE NEWLY CONSTRUCTED SOUTH APRON BETWEEN CONSTRUCTION PHASES. TIMING OF THE PHASE CHANGE FOR THE TENANTS SHALL INCLUDE, AT MINIMUM, ONE FULL WEEKEND AND ONE CONSECUTIVE WEEKDAY. THE CONTRACTOR SHALL PROVIDE THE AIRPORT SEVEN (7) DAYS WRITTEN NOTICE PRIOR TO THE PHASE CHANGE.

- SOUTH APRON (SOUTHERN 1/8)
- EAST AND WEST HANGAR TAXILANES
- HANGARS 'H' & 'I'
- TAXIWAY 'A' BETWEEN TAXIWAY 'C' AND THE SOUTHERN MOST SOUTH APRON ENTRANCE. (ONLY WHEN WORK IS OCCURRING IN THE TOFA)

III. SCHEDULE:

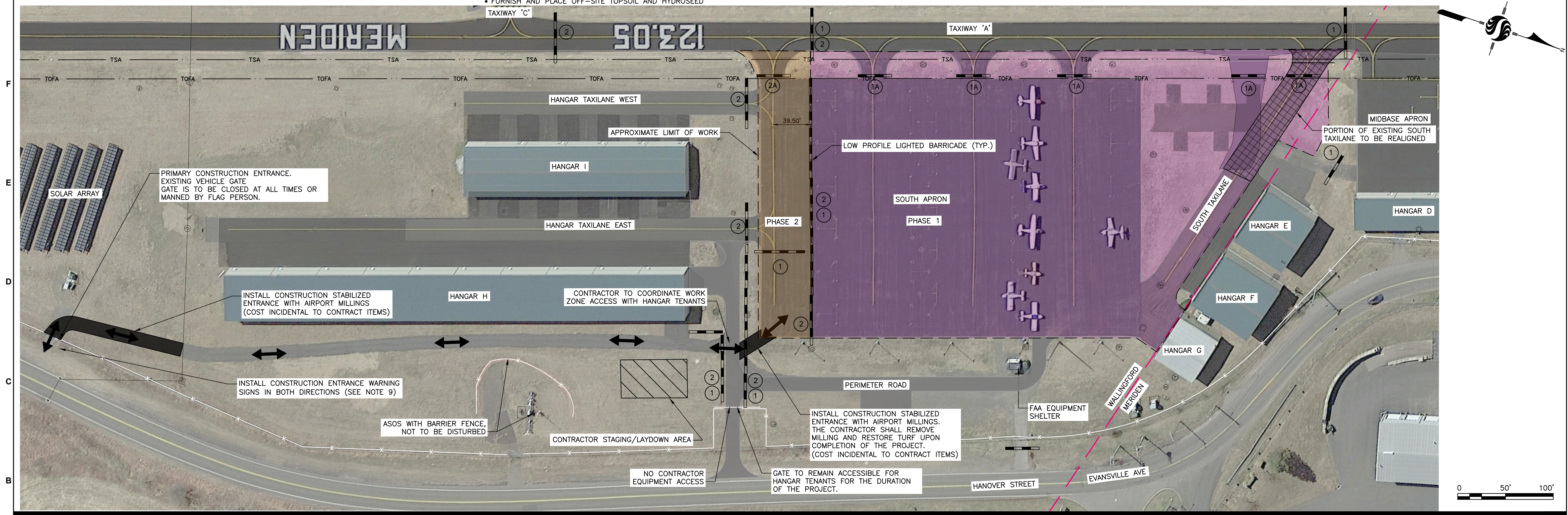
- UPON THE ISSUANCE OF A NOTICE TO PROCEED, THE TOTAL CONSTRUCTION DURATION FOR PHASE II WILL BE 10 CALENDAR DAYS.
- WORK SHALL BE PERFORMED DURING DAYTIME HOURS.

IV. DESCRIPTION OF MAJOR WORK EFFORTS:

- FURNISH AND INSTALL TRAFFIC CONTROL DEVICES (ie. CHANNELIZER CONES, SIGNAGE, BARRICADES, ETC.)
- REMOVE SOUTHERN APRON ASPHALT
- GRADE AND COMPACT SUBBASE
- FURNISH AND INSTALL PAVEMENT SECTION
- FURNISH AND INSTALL PAVEMENT MARKINGS
- FURNISH AND INSTALL OFF SITE TOPSOIL AND HYDROSEED
- DEMOBILIZATION

CSPP NOTES:


- SEE DRAWING C.001 FOR GENERAL NOTES.
- THIS PLAN HAS BEEN APPROVED BY THE MERIDEN-MARKHAM MUNICIPAL AIRPORT (MMK). NO CHANGES OR MODIFICATIONS TO THIS PLAN WILL BE PERMITTED WITHOUT ADVANCED WRITTEN APPROVAL BY THE RPR.
- SCHEDULING OF ALL WORK SHALL BE COORDINATED IN WRITING WITH THE AIRPORT MANAGER THOUGH THE RPR A MINIMUM OF 48 HOURS IN ADVANCE.
- THERE IS NO SEPARATE PAY ITEM TO PROVIDE AND MAINTAIN TRAFFIC CONTROL DEVICES AND MEASURES INCLUDING BUT NOT LIMITED TO LIGHTED BARRICADES, LIGHTED CHANNELIZER CONES, SIGNING, TEMPORARY STRIPING, ETC. ALL WORK ASSOCIATED WITH THESE MEASURES IS CONSIDERED INCIDENTAL TO THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFICATIONS AND RESTORATION OF THE EXISTING GATE AND FENCE LINE (IF NECESSARY) TO ALLOW CONSTRUCTION VEHICLE ACCESS TO THE WORK AREA AT NO ADDITIONAL EXPENSE TO THE OWNER.
- THE CONTRACTOR SHALL CONTINUOUSLY COORDINATE WITH THE RPR AND THE AIRPORT MANAGER REGARDING DAILY CONSTRUCTION ACTIVITIES/OPERATIONS.
- RESTORATION OF TURF AREAS AFFECTED BY CONSTRUCTION ACTIVITIES/STAGING IS CONSIDERED INCIDENTAL TO ALL OTHER PAY ITEMS.
- THE CONTRACTOR SHALL PROTECT THE EXISTING HANGAR BUILDINGS DURING CONSTRUCTION. ANY DAMAGE CAUSED BY CONSTRUCTION OPERATIONS SHALL BE REPAIRED/REPLACED AT NO COST TO THE AIRPORT AND/OR TENANTS.
- THE CONTRACTOR SHALL PROVIDE APPROPRIATE CONSTRUCTION ENTRANCE WARNING SIGNS ALONG EVANSVILLE AVE. AND HANOVER STREET DURING CONSTRUCTION, MEETING THE REQUIREMENTS OF USDOT FHWA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. THE RPR SHALL APPROVE THE SIGNING PACKAGE PRIOR TO INSTALLATION. THIS WORK IS CONSIDERED INCIDENTAL TO THE PROJECT.




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Client/Project
 MERIDEN-MARKHAM MUNICIPAL AIRPORT

REHABILITATE SOUTH APRON &
 RECONSTRUCT SOUTH TAXILANE

MERIDEN, CONNECTICUT

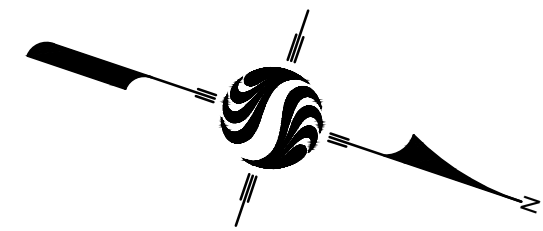
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Dwn. Chkd. Dsgn. YY.MM.DD

Title
 CONSTRUCTION SAFETY AND PHASING PLAN

Project No. 179450653
 Scale AS SHOWN

Drawing No. C.002
 Sheet 3 of 13
 Revision 0



NATIONAL GEODETIC SURVEY MONUMENTS:

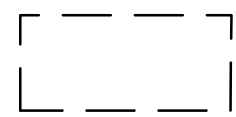
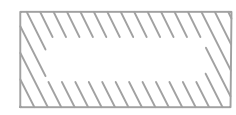


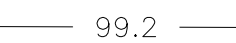




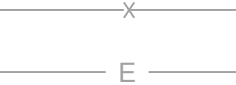


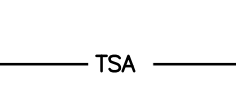






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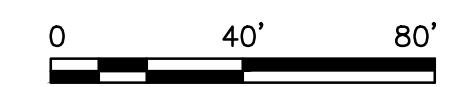
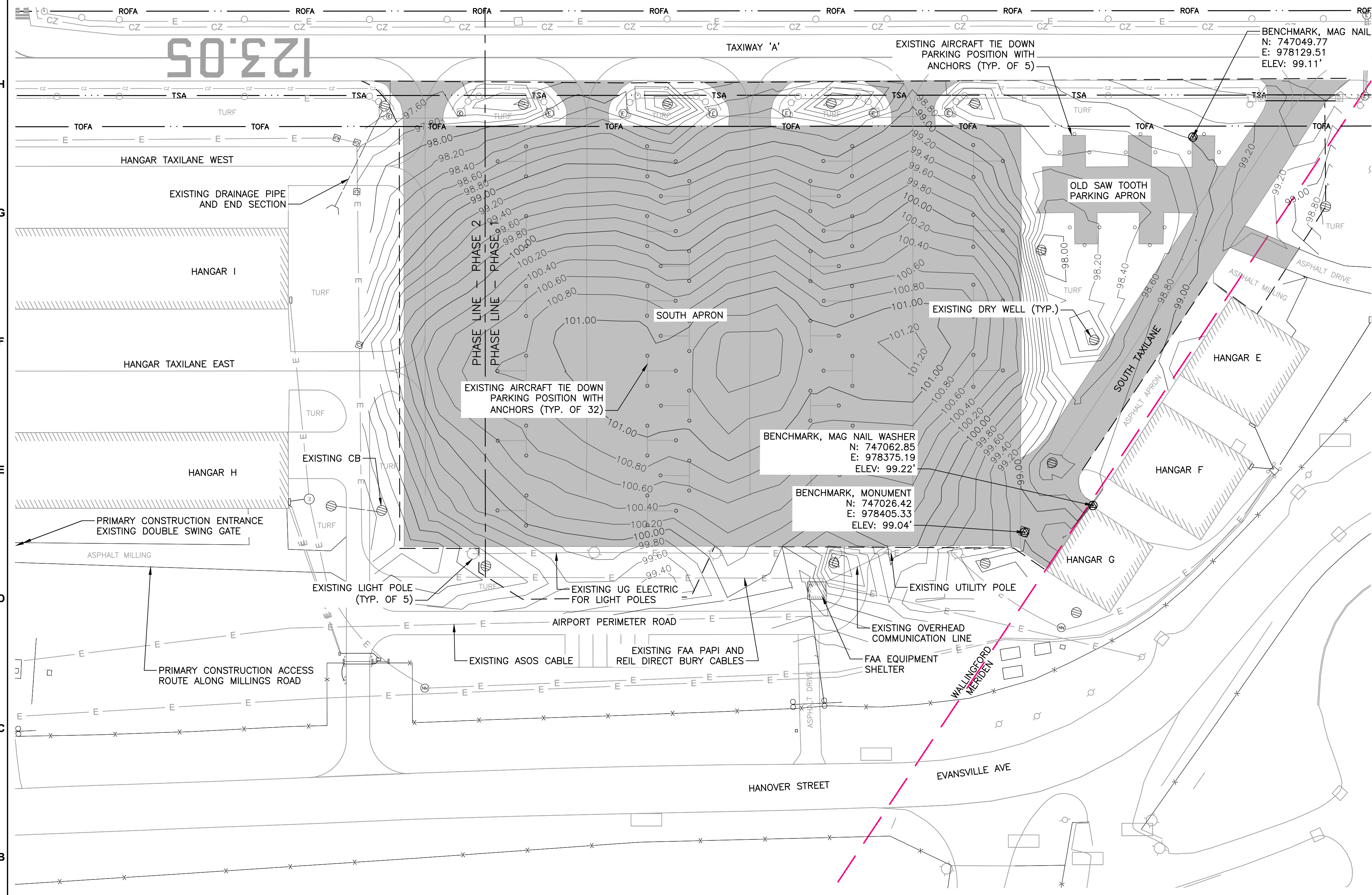
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NOTES:

1. REFER TO UNDERGROUND UTILITY NOTES OF DRAWING C.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 PROMPTLY 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.

LEGEND

-  PROJECT WORK AREA
-  EXISTING HANGAR
-  EXISTING PAVEMENT TO BE REMOVED
-  99.0 EXISTING MAJOR CONTOUR
-  99.2 EXISTING MINOR CONTOUR
-  EXISTING LIGHT POLE
-  EXISTING CB OR DRY WELL
-  EXISTING ELECTRIC HANDHOLE
-  EXISTING DUCTBANK MARKER
-  EXISTING HANDHOLE
-  EXISTING STAKE MOUNTED TW EDGE LIGHT
-  EXISTING TIE-DOWN ANCHOR
-  EXISTING PERIMETER FENCE
-  EXISTING UNDERGROUND CABLE
-  EXISTING COUNTERPOISE WIRE
-  APPROXIMATE CITY/TOWN LINE
-  TAXIWAY OBJECT FREE AREA
-  TAXIWAY SAFETY AREA
-  SURVEY BENCHMARK



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Meriden Markham Airport

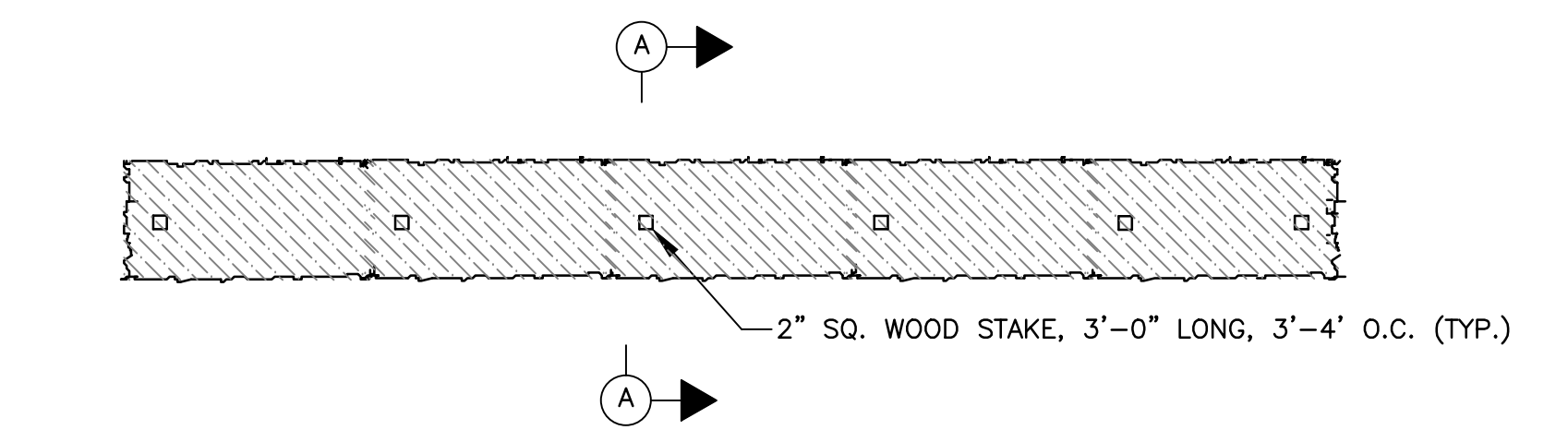
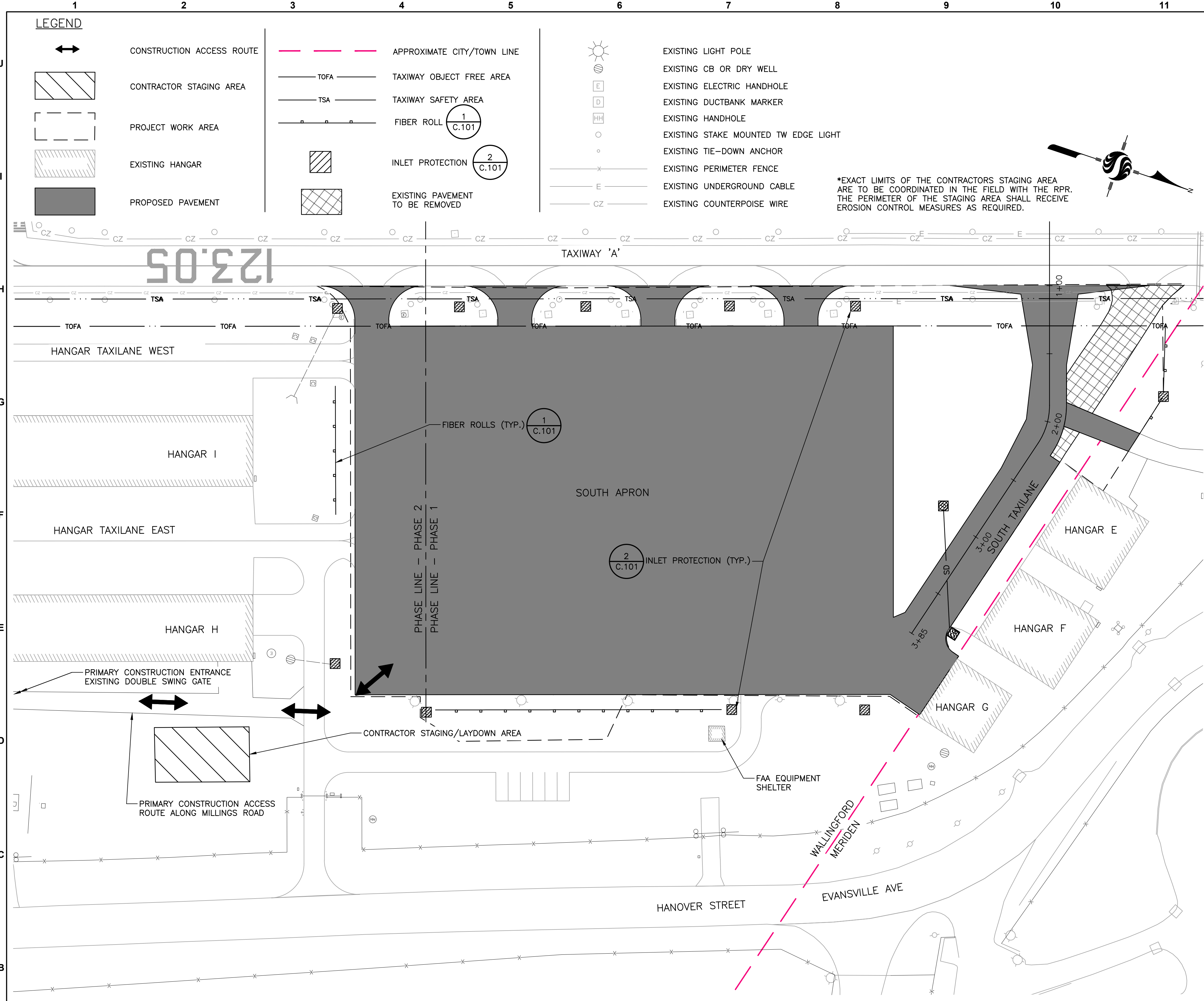
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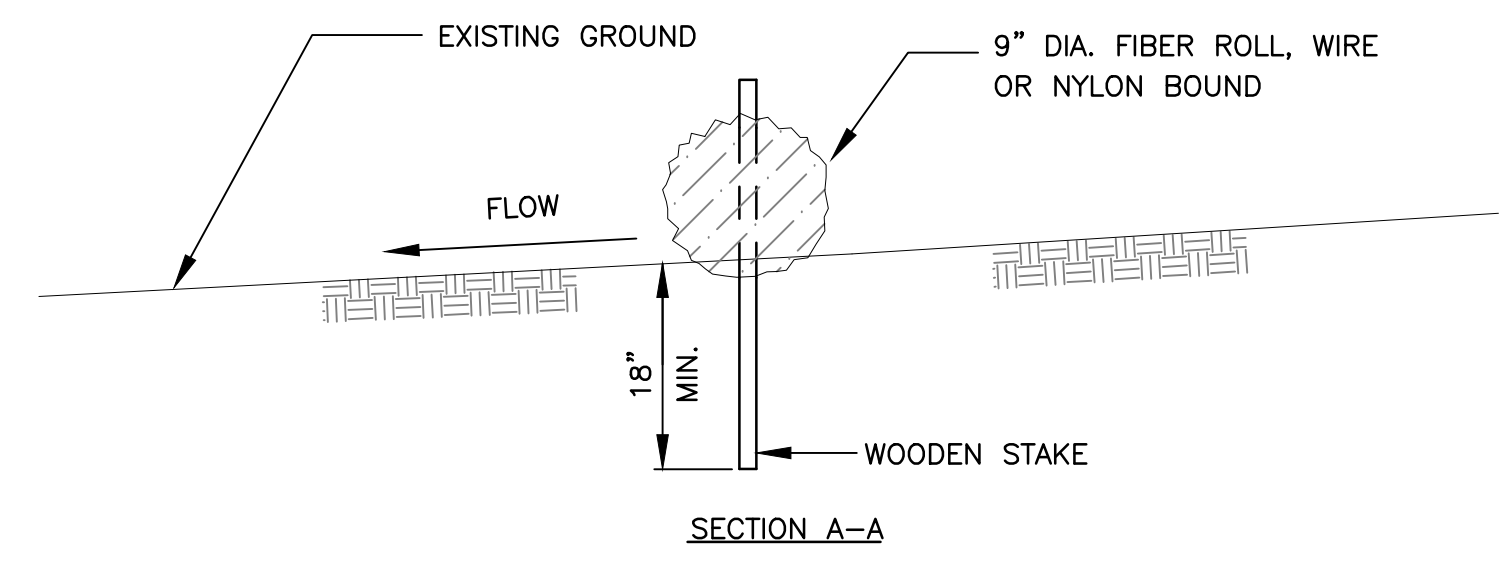
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	REHABILITATE SOUTH APRON & RECONSTRUCT SOUTH TAXILANE
	MERIDEN, CONNECTICUT
File Name:	179450653_SHEET_FILES
Dwn.	
Chkd.	
Dsgn.	YY.MM.DD

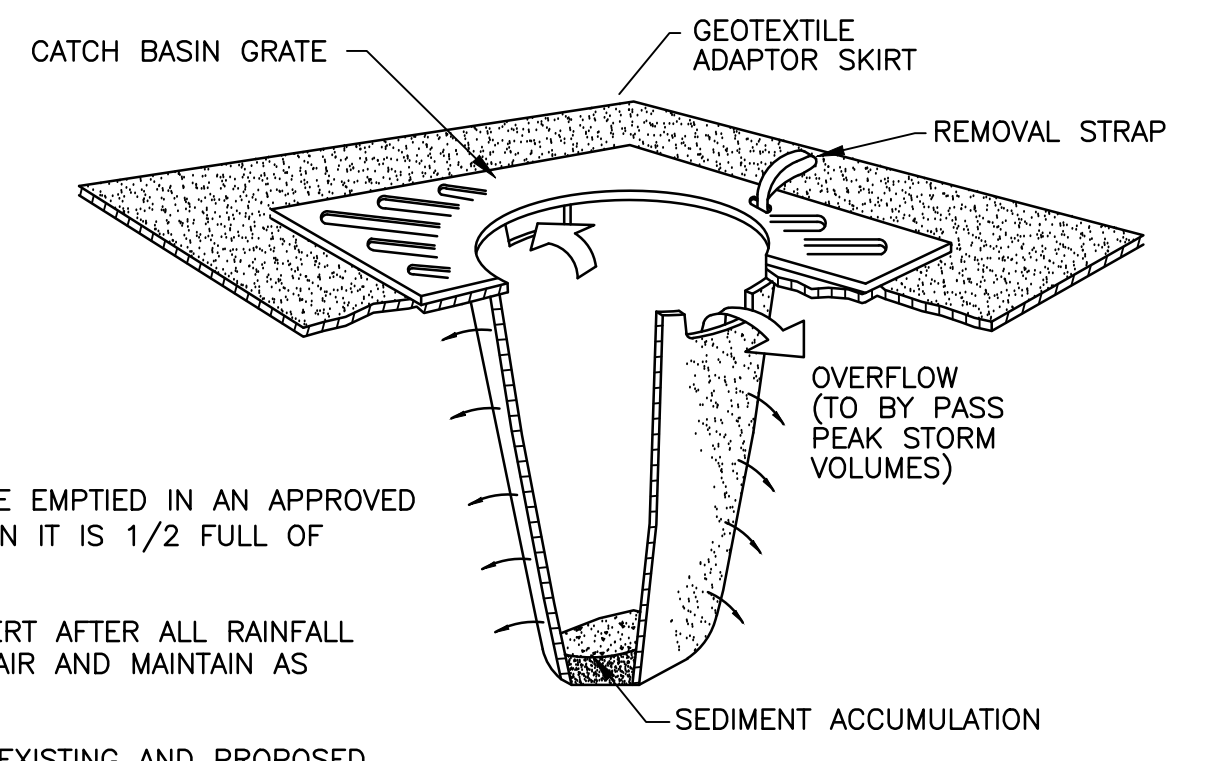
Title		
EXISTING CONDITIONS PLAN		
Project No.	Scale	
179450653	AS SHOWN	
Drawing No.	Sheet	Revision
C.100	4 of 13	0



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

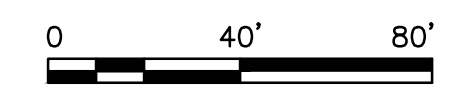


1 FIBER ROLL DETAIL
NOT TO SCALE



- 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

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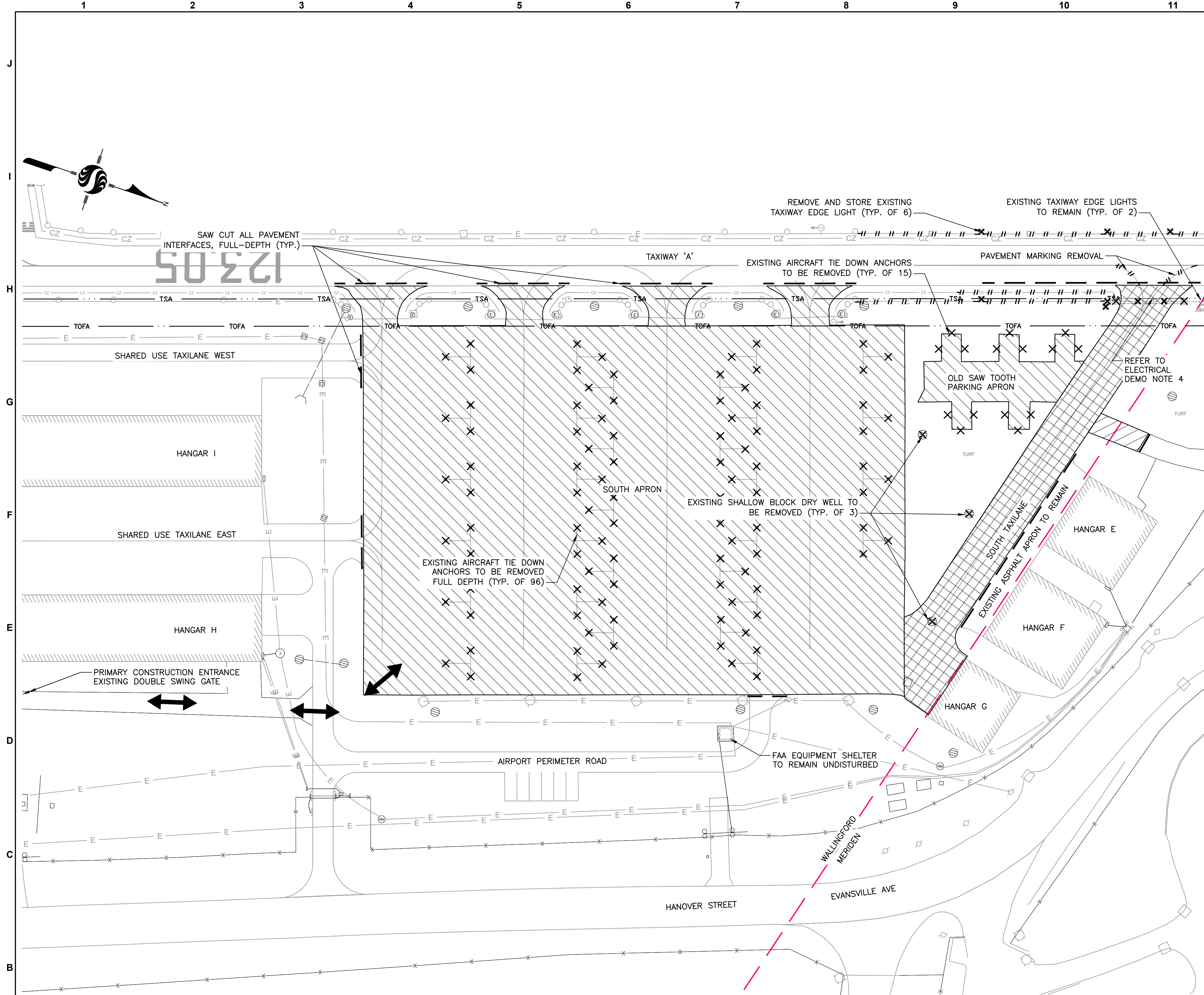
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Client/Project	MERIDEN-MARKHAM MUNICIPAL AIRPORT
REHABILITATE SOUTH APRON & RECONSTRUCT SOUTH TAXILANE	
MERIDEN, CONNECTICUT	
File Name: 179450653_SHEET_FILES	
Dwn.	Chkd.
Dsgn.	YY.MM.DD

Title		
EROISION AND SEDIMENT CONTROL PLAN AND NOTES		
Project No.	Scale	
179450653	AS SHOWN	
Drawing No.	Sheet	Revision
C.101	5 of 13	0



LEGEND

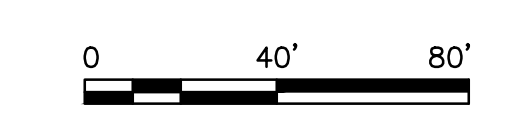
- CONSTRUCTION ACCESS ROUTE
- PROJECT WORK AREA
- EXISTING HANGAR
- EXISTING LIGHT POLE
- EXISTING CB OR DRY WELL
- EXISTING ELECTRIC HANDHOLE
- EXISTING DUCTBANK MARKER
- EXISTING HANDHOLE
- EXISTING STAKE MOUNTED TW EDGE LIGHT
- EXISTING TIE-DOWN ANCHOR
- EXISTING PERIMETER FENCE
- EXISTING UNDERGROUND CABLE
- EXISTING COUNTERPOISE WIRE
- APPROXIMATE CITY/TOWN LINE
- TAXIWAY OBJECT FREE AREA
- TAXIWAY SAFETY AREA
- FULL-DEPTH SAWCUT INCIDENTAL TO PAVEMENT REMOVAL
- MILL/REMOVE EXISTING APRON PAVEMENT FULL DEPTH (+/- 4" THICKNESS)
- MILL/REMOVE EXISTING TAXILANE PAVEMENT FULL DEPTH (+/- 4" THICKNESS) & EXCAVATE TO SUBGRADE ELEVATION (+/- 6" THICKNESS) TOTAL BOX OUT: (+/- 10" THICKNESS)
- DEMOLISH EXISTING UNDERGROUND CABLE
- REMOVE EXISTING STRUCTURE

DEMOLITION NOTES:

1. THE MILLED ASPHALT MATERIAL FROM COLD MILLING OPERATIONS IS THE CONTRACTOR'S RESPONSIBILITY TO BE REMOVED FROM SITE, HOWEVER, A PORTION (APPROXIMATE 1,000 TO 1,500 CY) OF MILLING SHALL STAY AT THE AIRPORT AND BE STOCKPILED TO THE SOUTHERN STOCKPILE AREA ON THE AIRPORT. COORDINATE THE AMOUNT AND LOCATION OF THE MILLINGS WITH THE RPR AND AIRPORT MANAGER.
2. SEE DRAWING C.103 LAYOUT PLAN FOR LAYOUT COORDINATE DATA.

ELECTRICAL DEMOLITION NOTES:

1. ALL AIRFIELD LIGHTING CABLES BETWEEN EXISTING FIXTURES TO BE REMOVED SHALL BE REMOVED AND DISPOSED OF OFF AIRPORT PROPERTY IN AN APPROVED MANNER. ALL COUNTERPOISE WIRE INDICATED TO BE REMOVED SHALL BE CONSIDERED INCIDENTAL TO ASSOCIATED EXCAVATION WORK. EXISTING COUNTERPOISE WIRE TO REMAIN SHALL BE PROTECTED WHERE SHOWN.
2. WHERE INDICATED TO RELOCATE EXISTING TAXIWAY FIXTURES CONTRACTOR SHALL SAFELY REMOVE AND STORE EXISTING FIXTURES, TRANSFORMERS, MOUNTING STAKES, BASE PLATES AND BASE CANS. ANY FIXTURES DAMAGED DURING REMOVAL SHALL BE REPLACED AT CONTRACTORS EXPENSE WITH NEW.
3. REFER TO DRAWING E.201 FOR PROPOSED ELECTRICAL PLAN.
4. EXISTING CONCRETE ENCASED 4-WAY, 4" DUCTBANK SHALL BE ABANDONED IN PLACE. DEMOLISH EXISTING TAXIWAY AIRFIELD LIGHTING CABLE AND SURFACE CONCRETE DUCT MARKERS.



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Client/Project
 MERIDEN-MARKHAM MUNICIPAL AIRPORT

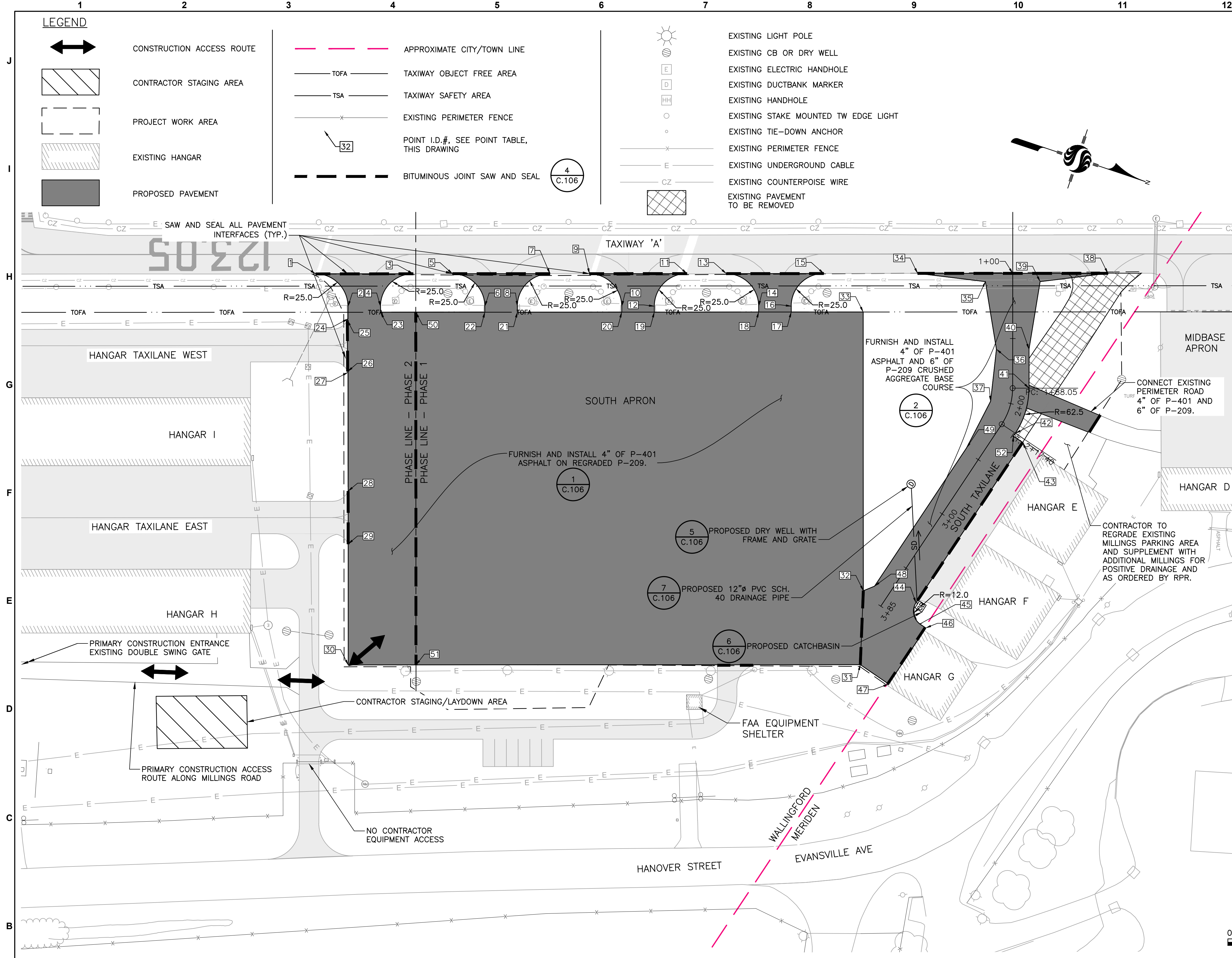
REHABILITATE SOUTH APRON &
 RECONSTRUCT SOUTH TAXILANE

MERIDEN, CONNECTICUT

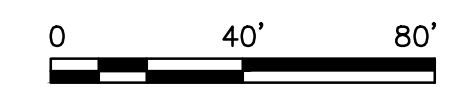
File Name: 179450653_SHEET_FILES

Title
 DEMOLITION PLAN

Project No. 179450653	Scale AS SHOWN
Drawing No. C.102	Sheet 6 of 13
	Revision 0



Point Table			
Point #	Northing	Easting	Description
1	746532.23	978261.75	TAXIWAY 'A' & PC
2	746563.61	978277.72	EOP & PT
3	746603.26	978238.32	TAXIWAY 'A' & PC
4	746587.35	978269.89	EOP & PT
5	746631.94	978228.84	TAXIWAY 'A' & PC
6	746663.32	978244.81	EOP & PT
7	746702.97	978205.41	TAXIWAY 'A' & PC
8	746687.07	978236.99	EOP & PT
9	746731.70	978195.93	TAXIWAY 'A' & PC
10	746763.07	978211.90	EOP & PT
11	746802.73	978172.50	TAXIWAY 'A' & PC
12	746786.82	978204.07	EOP & PT
13	746831.45	978163.02	TAXIWAY 'A' & PC
14	746862.83	978178.99	EOP & PT
15	746902.48	978139.59	TAXIWAY 'A' & PC
16	746886.57	978171.16	EOP & PT
17	746887.98	978175.43	STUB TW & S. APRON
18	746864.24	978183.28	STUB TW & S. APRON
19	746788.23	978208.35	STUB TW & S. APRON
20	746764.49	978216.19	STUB TW & S. APRON
21	746688.48	978241.27	STUB TW & S. APRON
22	746664.74	978249.11	STUB TW & S. APRON
23	746588.77	978274.18	STUB TW & S. APRON
24	746566.60	978286.76	EOP
25	746566.46	978288.05	TAXILANE & S. APRON
26	746578.98	978325.19	TAXILANE & S. APRON
27	746579.46	978325.73	EOP
28	746608.03	978412.34	TAXILANE & S. APRON
29	746620.73	978450.83	TAXILANE & S. APRON
30	746649.79	978538.89	CORNER OF S. APRON
31	747022.95	978415.74	S. APRON & S. TAXILANE
32	747007.46	978361.19	S. APRON & S. TAXILANE
33	746940.45	978158.12	CORNER OF S. APRON
34	746970.85	978116.91	TAXILANE FILLET
35	747022.20	978106.64	TAXILANE FILLET
36	747046.49	978153.23	TAXILANE FILLET
37	747054.70	978192.51	TAXILANE FILLET
38	747109.52	978071.25	TAXILANE FILLET
39	747062.10	978093.50	TAXILANE FILLET
40	747070.24	978145.41	TAXILANE FILLET
41	747079.57	978173.81	TAXILANE PC
42	747080.46	978209.96	TAXILANE PT
43	747088.01	978214.82	CORNER OF TAXILANE
44	747048.71	978357.37	TAXILANE & PT
45	747056.63	978371.78	TAXILANE & PC
46	747061.90	978373.30	CORNER OF TAXILANE
47	747048.23	978423.10	CORNER OF TAXILANE
48	747014.51	978355.12	EOP
49	747048.38	978232.24	TAXILANE FILLET
50	746614.41	978265.70	PHASE LINE
51	746699.18	978522.58	PHASE LINE
52	747079.75	978212.54	CORNER OF TAXILANE



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Client/Project
MERIDEN-MARKHAM MUNICIPAL AIRPORT

REHABILITATE SOUTH APRON &
RECONSTRUCT SOUTH TAXILANE

MERIDEN, CONNECTICUT

File Name: 179450653_SHEET_FILES

Title
LAYOUT PLAN

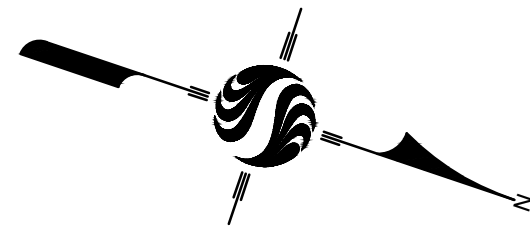
Project No.
179450653

Drawing No.
C.103

Scale
AS SHOWN

Sheet
7 of 13

Revision
0



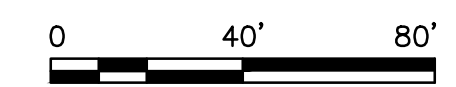
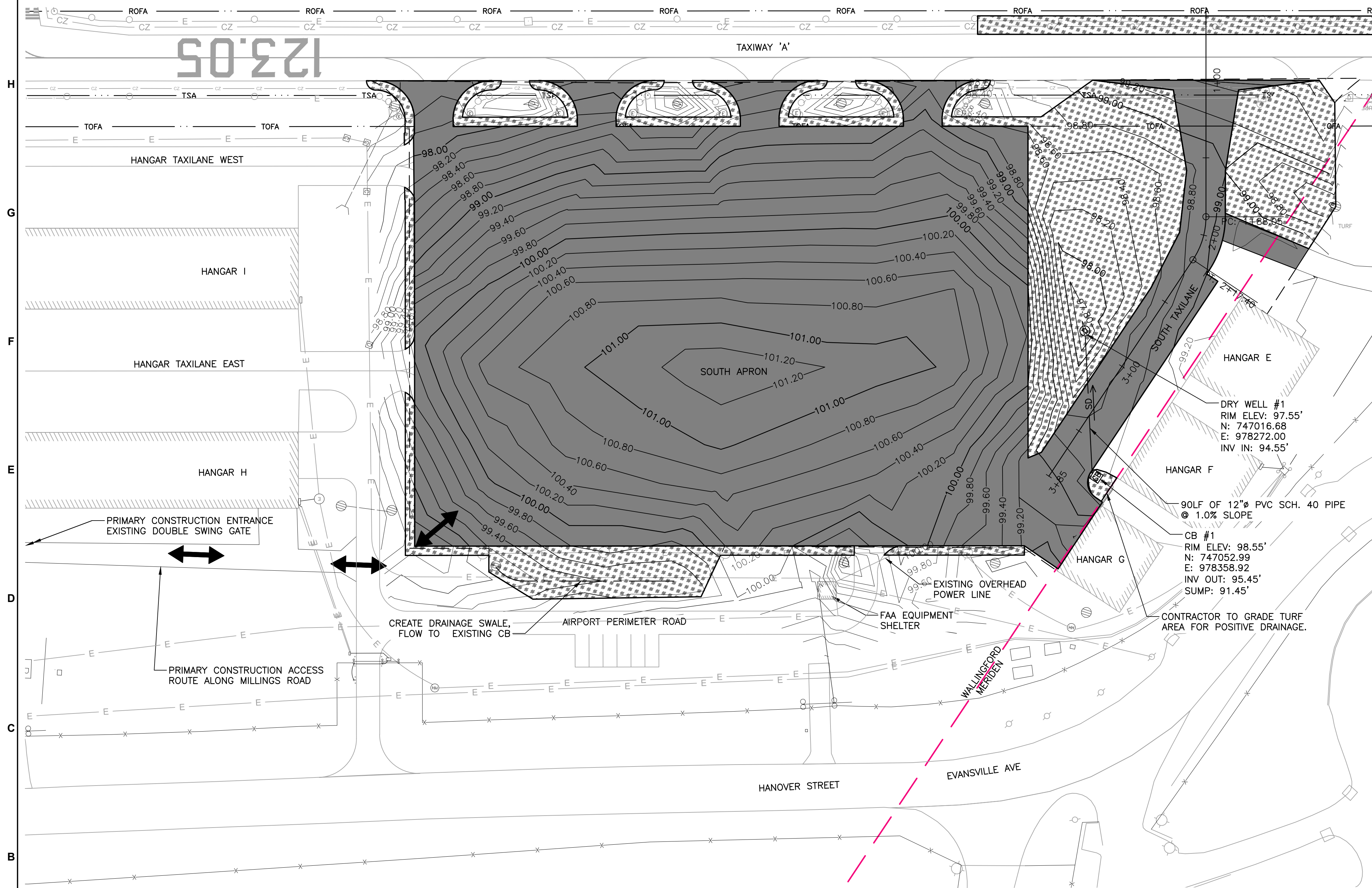
NOTES:

1. FOR SOUTH APRON AND SOUTH TAXILANE LAYOUT COORDINATES SEE POINT TABLE ON DRAWING C.103 LAYOUT PLAN.
2. FOR SOUTH APRON AND SOUTH TAXILANE ELEVATIONS SEE DRAWING C.105 SPOT ELEVATION PLAN.
3. THE CONTRACTOR SHALL GRADE AND COMPACT ALL EXISTING AND PROPOSED AGGREGATE MATERIAL WITHIN THE PROJECT WORK AREA IN ACCORDANCE WITH THESE PLANS AND P-209 CRUSHED AGGREGATE BASE COURSE SPECIFICATIONS.

LEGEND

- CONSTRUCTION ACCESS ROUTE
- PROJECT WORK AREA
- EXISTING HANGAR
- PROPOSED PAVEMENT
- 2" MIN. TOPSOIL AND SEED

- 99.0 EXISTING MAJOR CONTOUR
- 99.2 EXISTING MINOR CONTOUR
- EXISTING LIGHT POLE
- EXISTING CB OR DRY WELL
- EXISTING ELECTRIC HANDHOLE
- EXISTING DUCTBANK MARKER
- EXISTING HANDHOLE
- EXISTING STAKE MOUNTED TW EDGE LIGHT
- EXISTING TIE-DOWN ANCHOR
- EXISTING PERIMETER FENCE
- EXISTING UNDERGROUND CABLE
- EXISTING COUNTERPOISE WIRE
- APPROXIMATE CITY/TOWN LINE
- TAXIWAY OBJECT FREE AREA
- TAXIWAY SAFETY AREA
- 100.0 PROPOSED MAJOR CONTOUR
- 99.8 PROPOSED MINOR CONTOUR
- PROPOSED DRY WELL
- PROPOSED CATCH BASIN
- PROPOSED DRAINAGE PIPE



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MERIDEN-MARKHAM MUNICIPAL AIRPORT

REHABILITATE SOUTH APRON &
RECONSTRUCT SOUTH TAXILANE

MERIDEN, CONNECTICUT

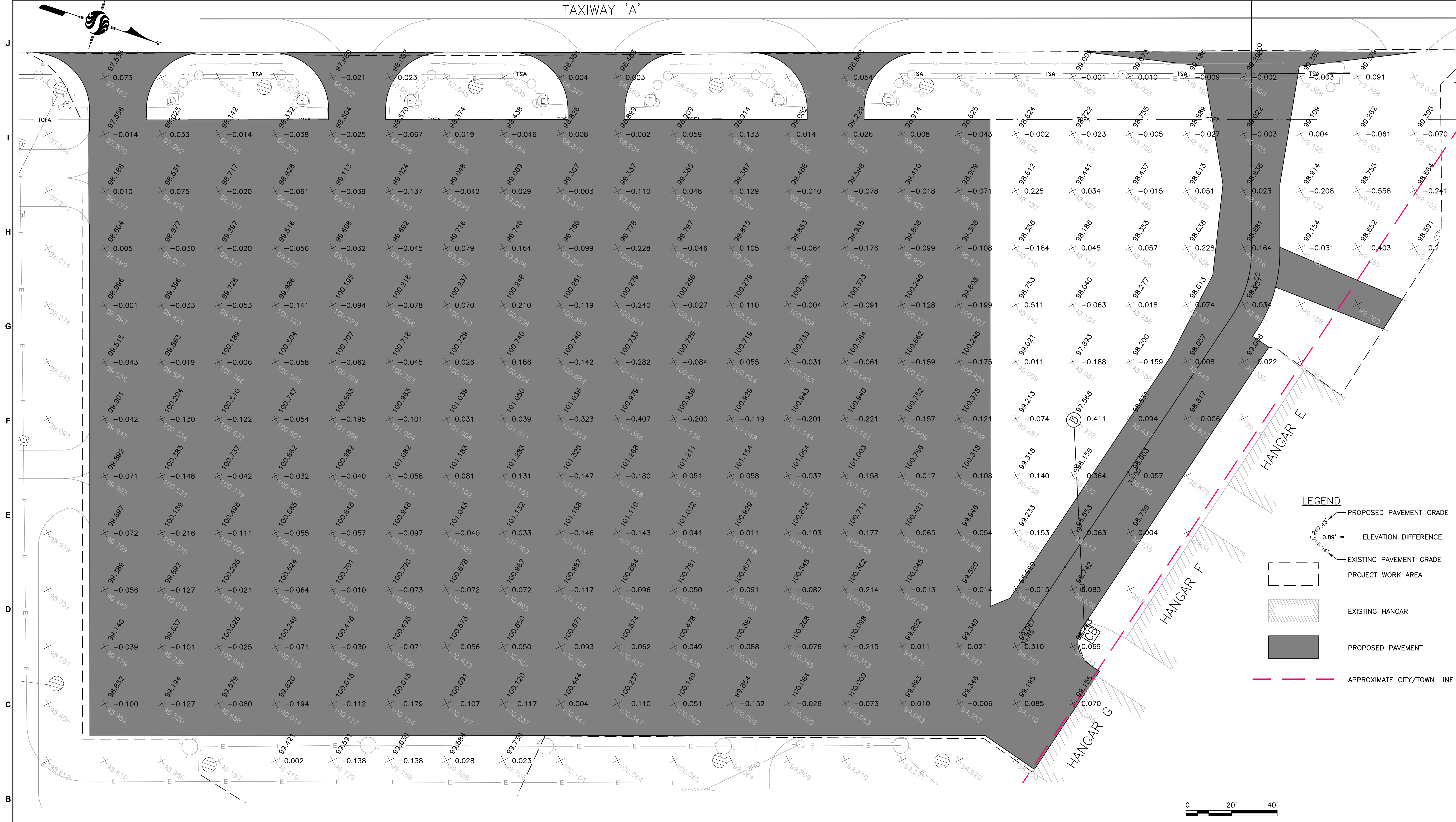
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Dwn. Chkd. Dsgn. YY.MM.DD

Title
GRADING AND DRAINAGE PLAN

Project No. 179450653	Scale AS SHOWN
Drawing No. C.104	Sheet 8 of 13
Revision 0	

TAXIWAY 'A'



LEGEND

- PROPOSED PAVEMENT GRADE
- - - - - EXISTING PAVEMENT GRADE
- ⊕ 0.89' ELEVATION DIFFERENCE
- - - - - PROJECT WORK AREA
- ▨ EXISTING HANGAR
- ▭ PROPOSED PAVEMENT
- - - - - APPROXIMATE CITY/TOWN LINE

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Client/Project
MERIDEN-MARKHAM MUNICIPAL AIRPORT

REHABILITATE SOUTH APRON &
RECONSTRUCT SOUTH TAXILANE

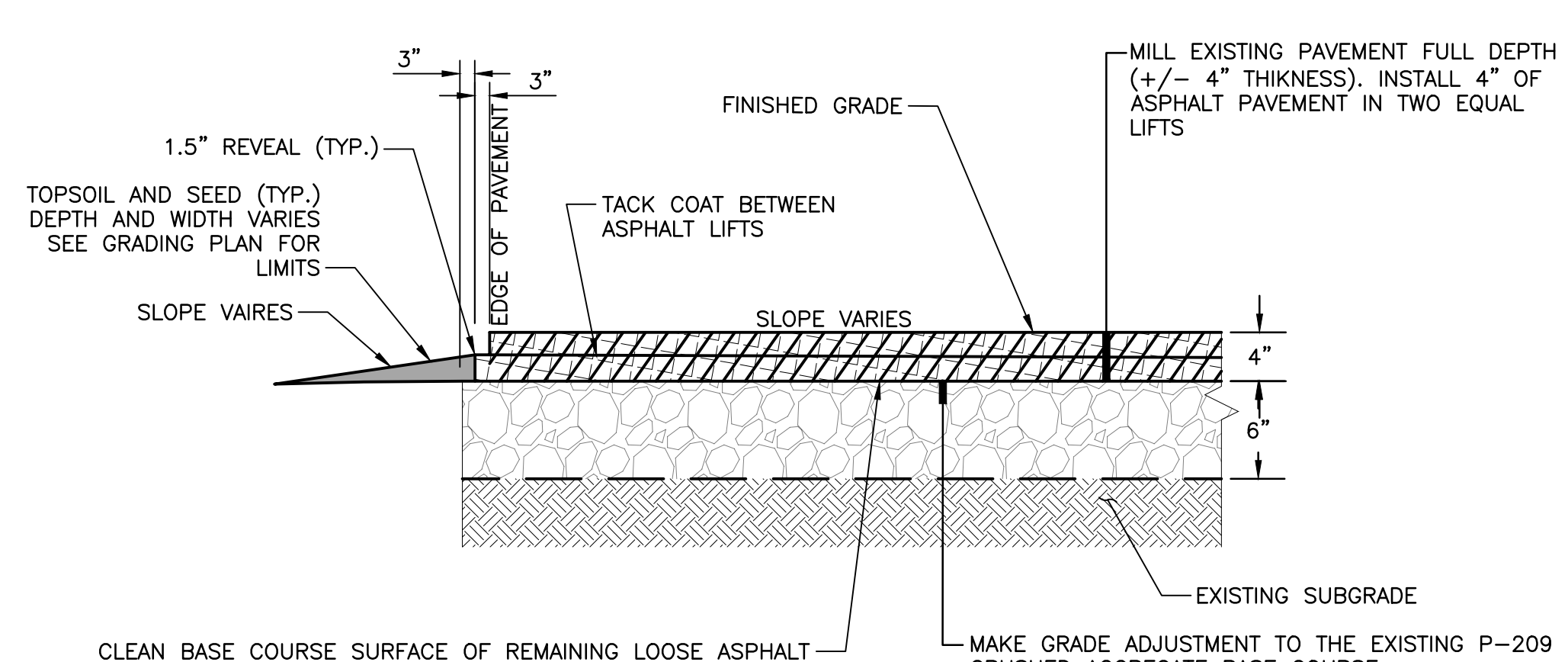
MERIDEN, CONNECTICUT

File Name: 179450653_SHEET_FILES

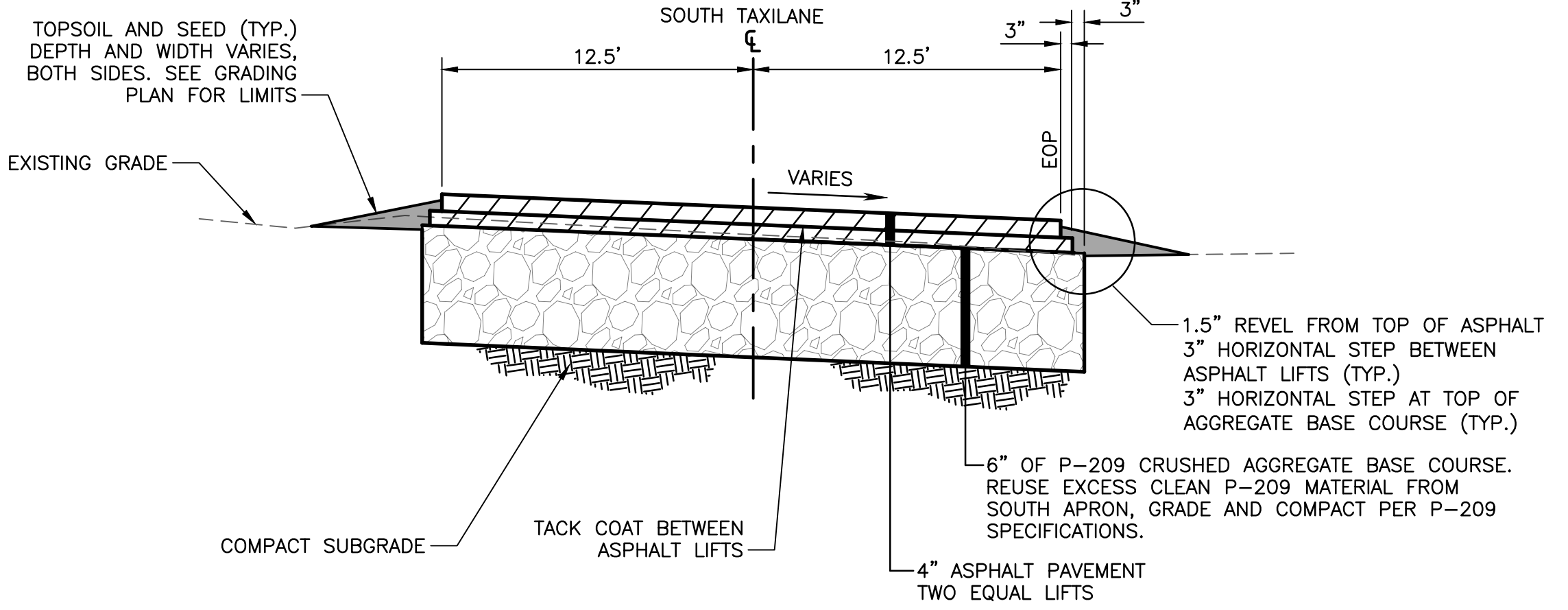
Dwn. Chkd. Dsgn. YY.MM.DD

Title
SPOT ELEVATION PLAN

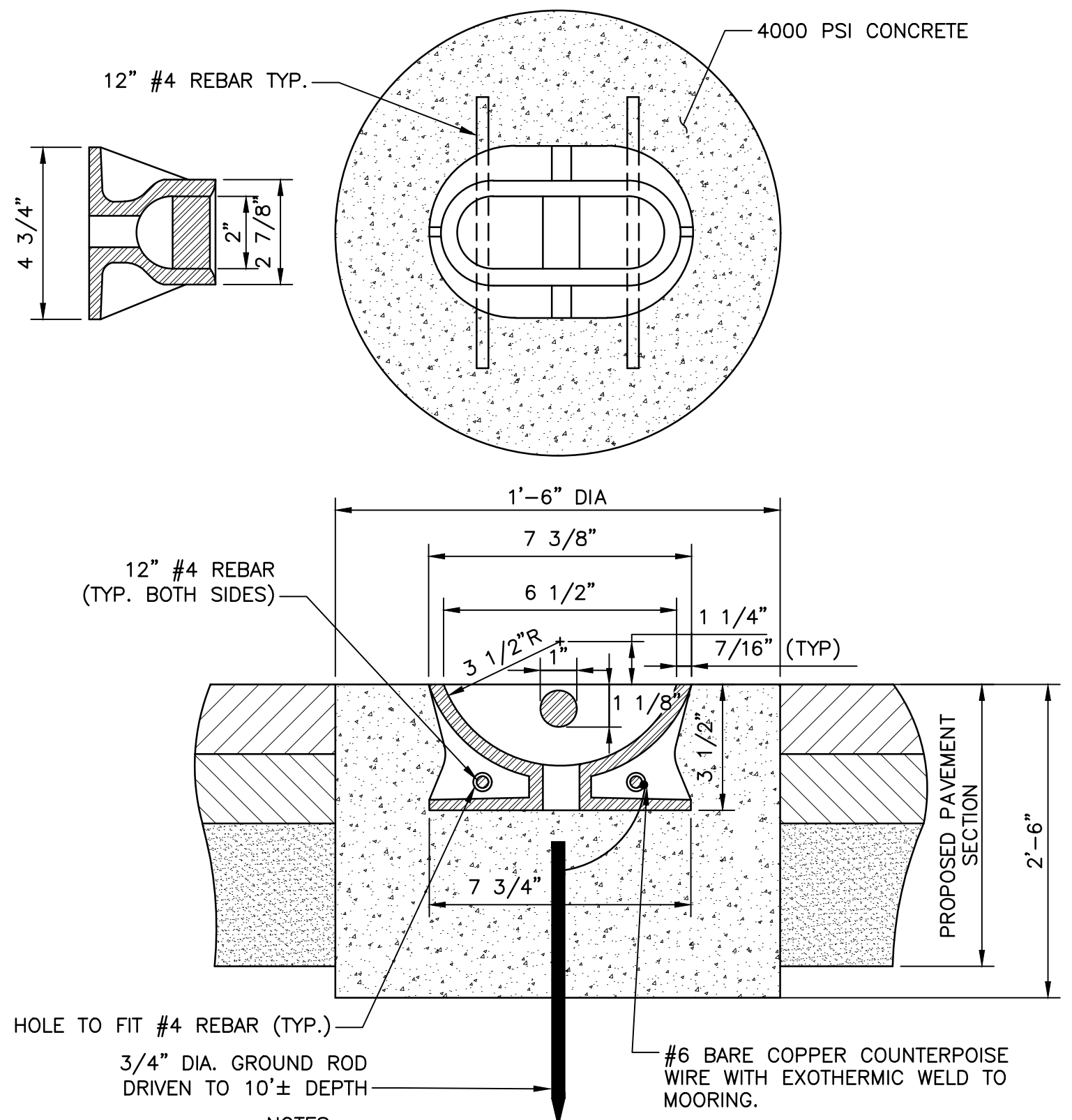
Project No. 179450653	Scale AS SHOWN
Drawing No. C.105	Sheet 9 of 13
	Revision 0



1 TYPICAL SOUTH APRON PAVEMENT SECTION
NOT TO SCALE

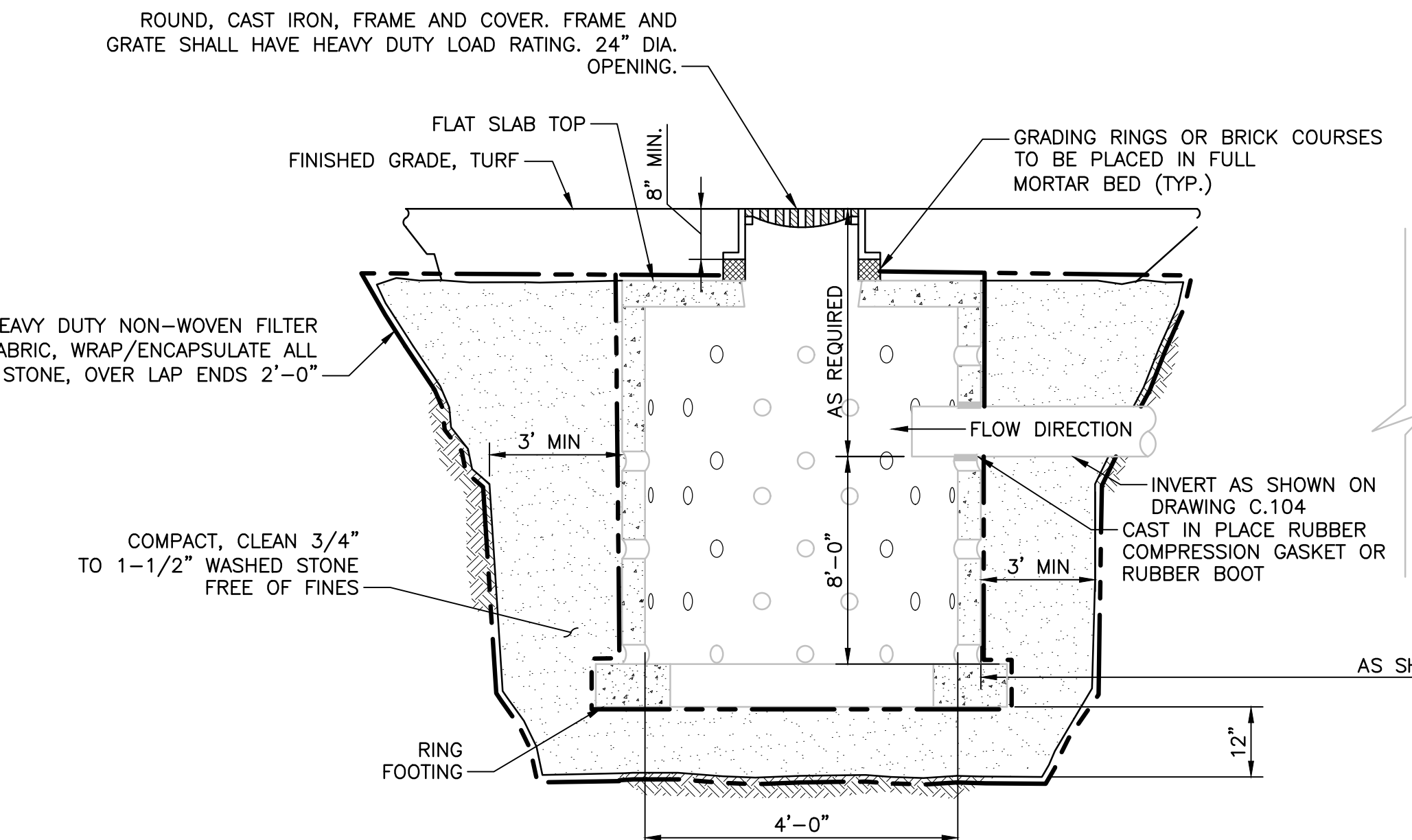


2 TYPICAL SOUTH TAXILANE PAVEMENT SECTION
NOT TO SCALE



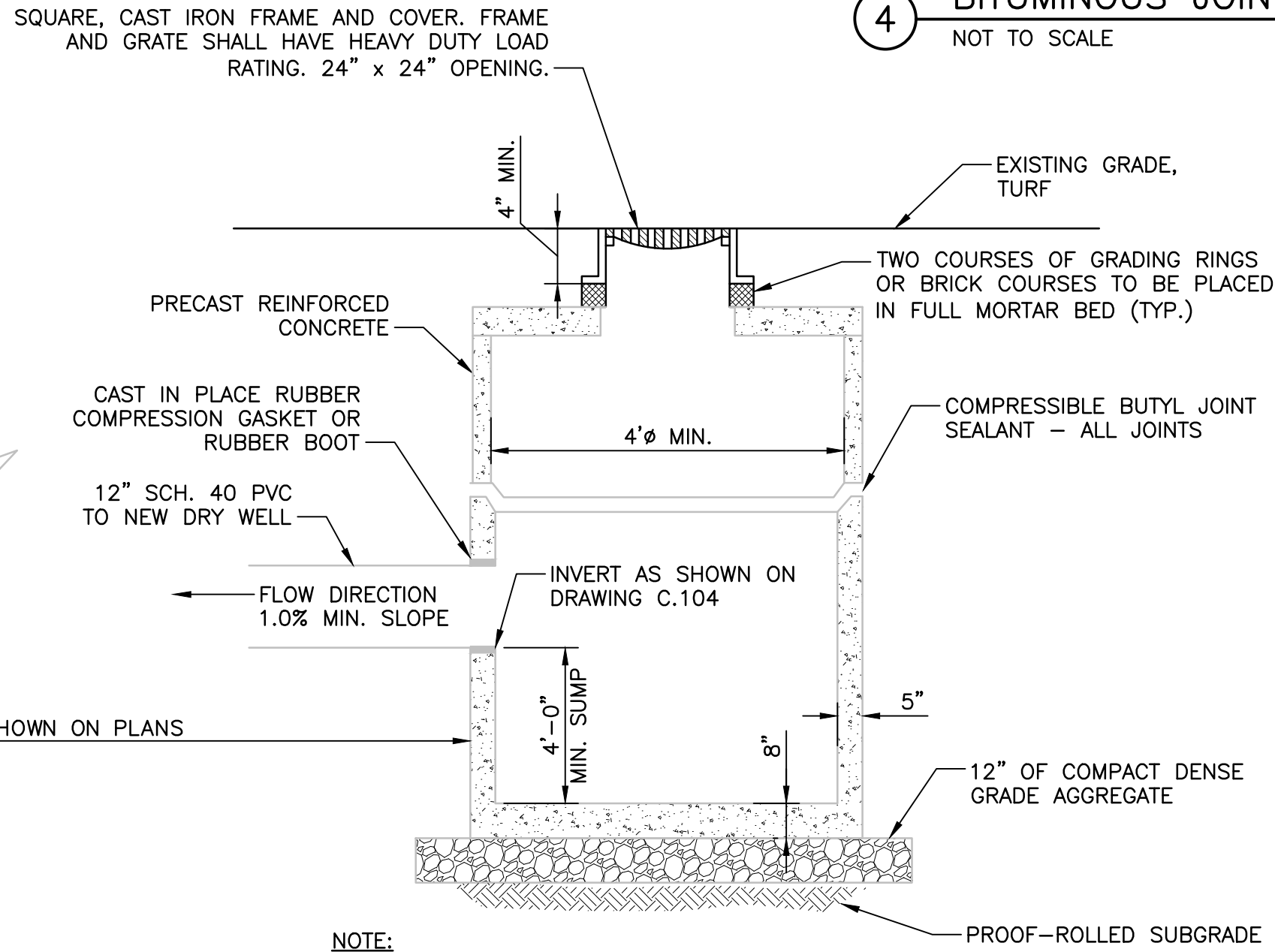
- NOTES:
- TIE-DOWN INSTALLATIONS SHALL BE PERFORMED BY CORE DRILLING THE 1'-6" DIA HOLE. NO AUGERS SHALL BE USED.
 - TIE-DOWN ANCHOR SUPPLIED BY SYRACUSE CASTING CATALOG NO. R-3490 OR APPROVED EQUAL.

3 TIE-DOWN ANCHOR DETAIL
NOT TO SCALE



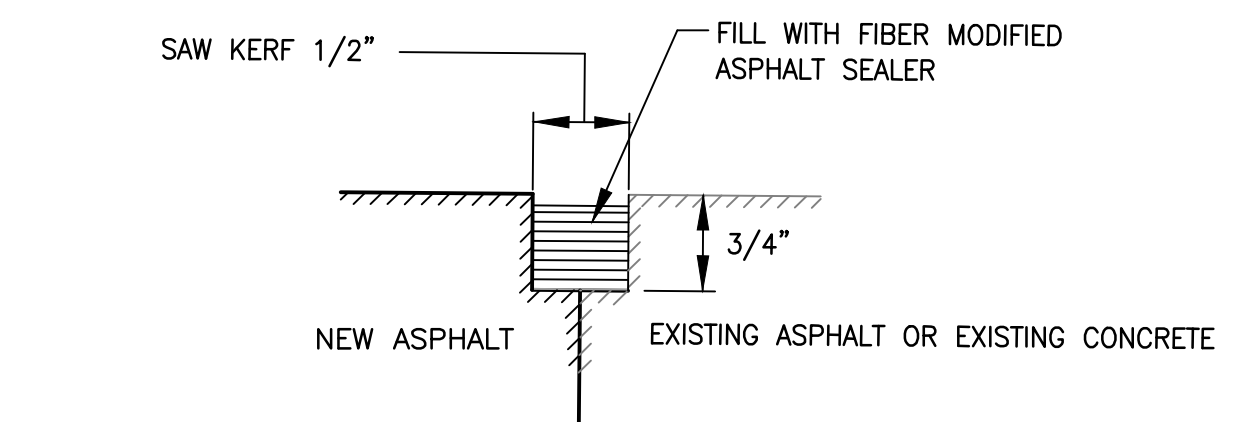
- NOTES:
- CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
 - ALL STRUCTURES ARE LOCATED OUTSIDE RSA AND TSA AND SHALL BE MANUFACTURED FOR HS-20 LOAD RATING.

5 PRECAST REINFORCED DRYWELL DETAIL
NOT TO SCALE

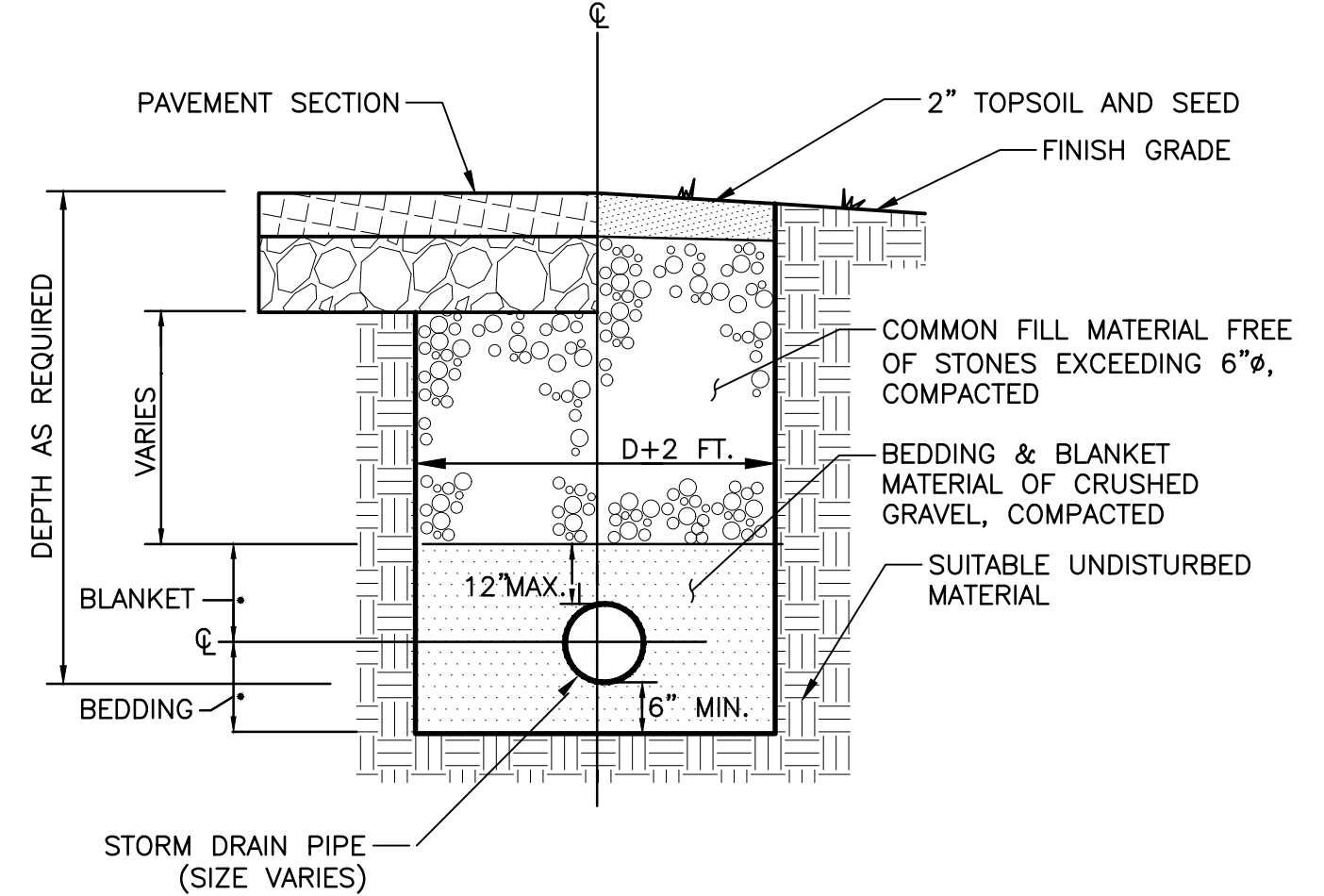


- NOTE:
- CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
 - ALL STRUCTURES ARE LOCATED OUTSIDE RSA AND TSA AND SHALL BE MANUFACTURED FOR HS-20 LOAD RATING.

6 PRECAST CATCHBASIN DETAIL
NOT TO SCALE



4 BITUMINOUS JOINT SAW AND SEAL DETAIL
NOT TO SCALE



7 STORM DRAIN DETAIL
NOT TO SCALE

Revision	By	Appd.	MM.DD.YY

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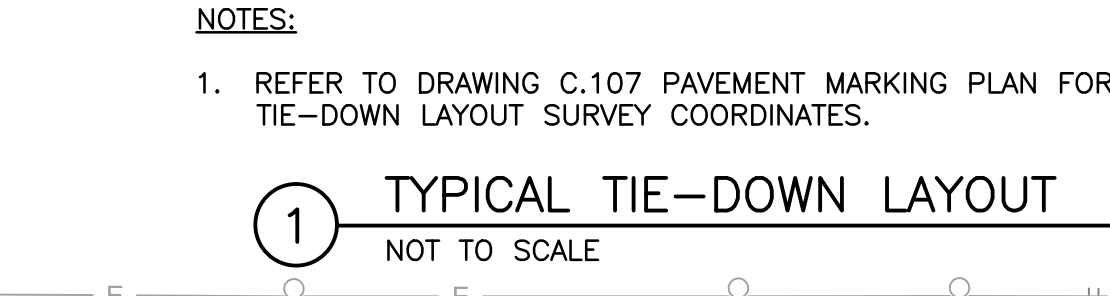
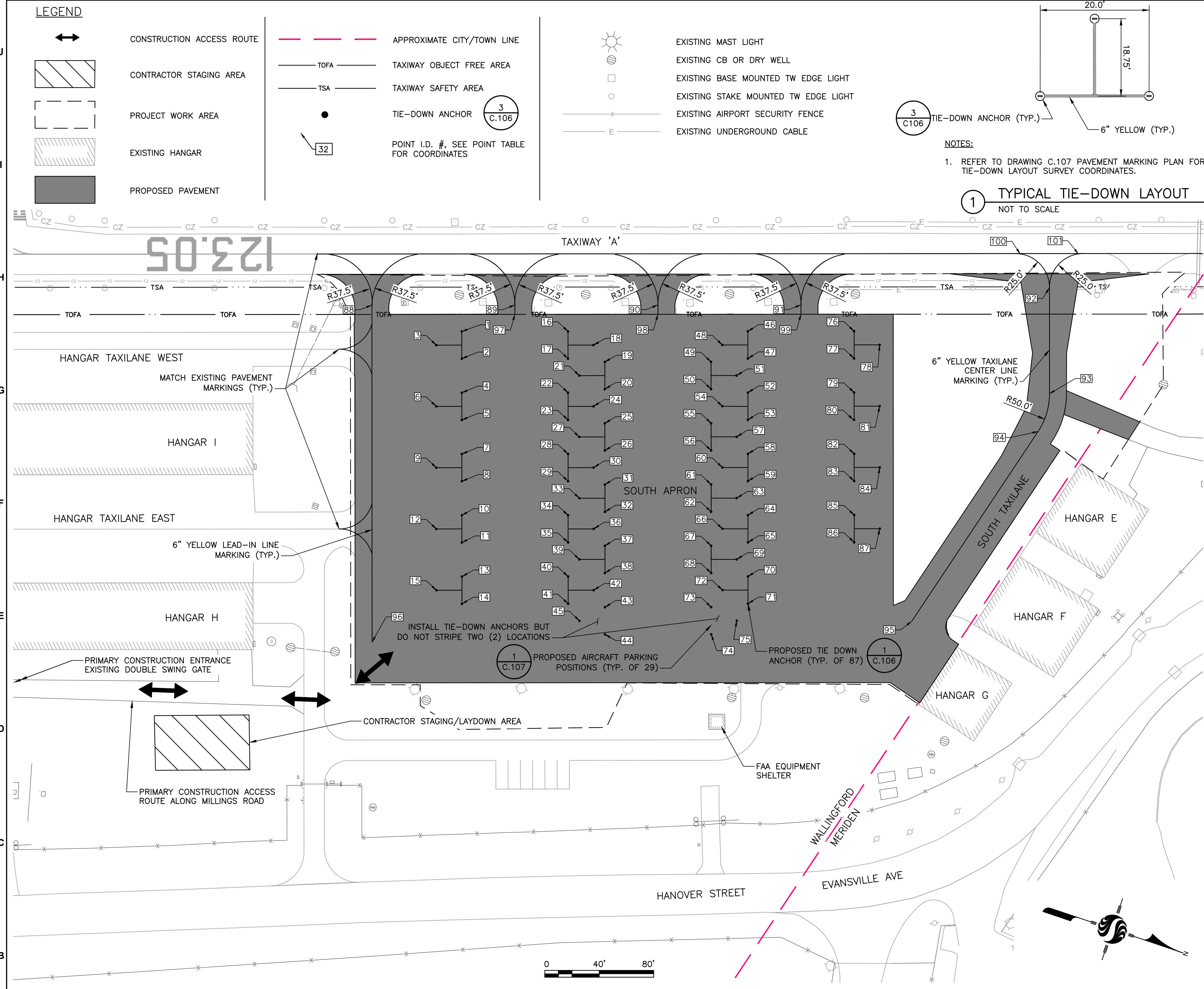


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	REHABILITATE SOUTH APRON & RECONSTRUCT SOUTH TAXILANE
	MERIDEN, CONNECTICUT
File Name:	179450653_SHEET_FILES
CAM Dwn.	PVE Chkd.
CAM Dsgn.	YY-MM-DD

Title	TYPICAL SECTIONS AND DETAILS		
Project No.	179450653	Scale	AS SHOWN
Drawing No.	C.106	Sheet	10 of 13
		Revision	0



NOTES:
1. REFER TO DRAWING C.107 PAVEMENT MARKING PLAN FOR TIE-DOWN LAYOUT SURVEY COORDINATES.

Point Table			
Point #	Northing	Easting	Description
1	746643.50	978269.30	TIE-DOWN ANCHOR
2	746649.77	978288.29	TIE-DOWN ANCHOR
3	746628.83	978284.67	TIE-DOWN ANCHOR
4	746657.60	978312.03	TIE-DOWN ANCHOR
5	746663.87	978331.02	TIE-DOWN ANCHOR
6	746642.91	978327.41	TIE-DOWN ANCHOR
7	746706.17	978354.76	TIE-DOWN ANCHOR
8	746677.97	978373.76	TIE-DOWN ANCHOR
9	746657.01	978370.14	TIE-DOWN ANCHOR
10	746685.81	978397.50	TIE-DOWN ANCHOR
11	746692.07	978416.49	TIE-DOWN ANCHOR
12	746671.11	978412.88	TIE-DOWN ANCHOR
13	746699.91	978440.23	TIE-DOWN ANCHOR
14	746706.18	978459.22	TIE-DOWN ANCHOR
15	746685.21	978455.61	TIE-DOWN ANCHOR
16	746717.55	978244.86	TIE-DOWN ANCHOR
17	746723.82	978263.86	TIE-DOWN ANCHOR
18	746738.51	978248.48	TIE-DOWN ANCHOR
19	746750.28	978257.67	TIE-DOWN ANCHOR
20	746756.54	978276.66	TIE-DOWN ANCHOR
21	746735.62	978273.09	TIE-DOWN ANCHOR
22	746731.67	978287.59	TIE-DOWN ANCHOR
23	746737.89	978306.60	TIE-DOWN ANCHOR
24	746752.61	978291.21	TIE-DOWN ANCHOR
25	746764.40	978300.48	TIE-DOWN ANCHOR
26	746770.67	978319.47	TIE-DOWN ANCHOR
27	746749.68	978315.87	TIE-DOWN ANCHOR
28	746745.73	978330.34	TIE-DOWN ANCHOR
29	746752.00	978349.33	TIE-DOWN ANCHOR
30	746766.72	978333.94	TIE-DOWN ANCHOR
31	746778.51	978343.21	TIE-DOWN ANCHOR
32	746784.77	978362.21	TIE-DOWN ANCHOR
33	746763.79	978358.60	TIE-DOWN ANCHOR
34	746759.82	978373.07	TIE-DOWN ANCHOR
35	746766.10	978392.06	TIE-DOWN ANCHOR
36	746780.82	978376.68	TIE-DOWN ANCHOR
37	746792.58	978385.86	TIE-DOWN ANCHOR
38	746798.84	978404.85	TIE-DOWN ANCHOR
39	746777.85	978401.23	TIE-DOWN ANCHOR
40	746773.92	978415.81	TIE-DOWN ANCHOR
41	746780.20	978434.80	TIE-DOWN ANCHOR
42	746794.92	978419.41	TIE-DOWN ANCHOR
43	746806.71	978428.68	TIE-DOWN ANCHOR
44	746812.98	978447.67	TIE-DOWN ANCHOR
45	746792.04	978444.05	TIE-DOWN ANCHOR
46	746843.00	978203.46	TIE-DOWN ANCHOR
47	746849.27	978222.46	TIE-DOWN ANCHOR
48	746828.33	978218.84	TIE-DOWN ANCHOR
49	746824.35	978233.22	TIE-DOWN ANCHOR
50	746830.61	978252.22	TIE-DOWN ANCHOR
51	746845.31	978236.90	TIE-DOWN ANCHOR
52	746857.10	978246.20	TIE-DOWN ANCHOR
53	746863.37	978265.19	TIE-DOWN ANCHOR
54	746842.43	978261.57	TIE-DOWN ANCHOR
55	746838.48	978276.04	TIE-DOWN ANCHOR

Point Table			
Point #	Northing	Easting	Description
56	746844.74	978295.03	TIE-DOWN ANCHOR
57	746859.41	978279.66	TIE-DOWN ANCHOR
58	746871.21	978288.93	TIE-DOWN ANCHOR
59	746877.47	978307.92	TIE-DOWN ANCHOR
60	746856.53	978304.30	TIE-DOWN ANCHOR
61	746852.58	978318.77	TIE-DOWN ANCHOR
62	746858.80	978337.78	TIE-DOWN ANCHOR
63	746873.52	978322.39	TIE-DOWN ANCHOR
64	746885.31	978331.66	TIE-DOWN ANCHOR
65	746891.57	978350.66	TIE-DOWN ANCHOR
66	746870.64	978347.04	TIE-DOWN ANCHOR
67	746866.67	978361.48	TIE-DOWN ANCHOR
68	746872.94	978380.47	TIE-DOWN ANCHOR
69	746887.62	978365.12	TIE-DOWN ANCHOR
70	746899.41	978374.40	TIE-DOWN ANCHOR
71	746905.68	978393.39	TIE-DOWN ANCHOR
72	746884.74	978389.77	TIE-DOWN ANCHOR
73	746880.78	978404.24	TIE-DOWN ANCHOR
74	746887.05	978423.23	TIE-DOWN ANCHOR
75	746901.72	978407.86	TIE-DOWN ANCHOR
76	746917.07	978179.02	TIE-DOWN ANCHOR
77	746923.34	978198.01	TIE-DOWN ANCHOR
78	746938.01	978182.64	TIE-DOWN ANCHOR
79	746931.18	978221.76	TIE-DOWN ANCHOR
80	746936.81	978240.95	TIE-DOWN ANCHOR
81	746952.12	978225.38	TIE-DOWN ANCHOR
82	746945.28	978264.49	TIE-DOWN ANCHOR
83	746951.54	978283.48	TIE-DOWN ANCHOR
84	746966.22	978268.11	TIE-DOWN ANCHOR
85	746959.38	978307.22	TIE-DOWN ANCHOR
86	746965.65	978326.21	TIE-DOWN ANCHOR
87	746980.32	978310.84	TIE-DOWN ANCHOR
88	746574.73	978271.50	LEAD-IN LINE PC
89	746674.44	978238.59	LEAD-IN LINE PC
90	746774.19	978205.68	LEAD-IN LINE PC
91	746873.94	978172.77	LEAD-IN LINE PC
92	747043.34	978103.72	TL CL PC
93	747067.70	978177.72	TL CL PT
94	747068.41	978206.64	TL CL PT
95	747023.92	978368.02	TL CL
96	746652.27	978506.47	CL END
97	746676.61	978245.18	CL END
98	746776.36	978212.26	CL END
99	746876.11	978179.34	CL END
100	747015.17	978086.97	TL CL PT
101	747055.82	978073.59	TL CL PT

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Client/Project
MERIDEN-MARKHAM MUNICIPAL AIRPORT

REHABILITATE SOUTH APRON &
RECONSTRUCT SOUTH TAXILANE

MERIDEN, CONNECTICUT

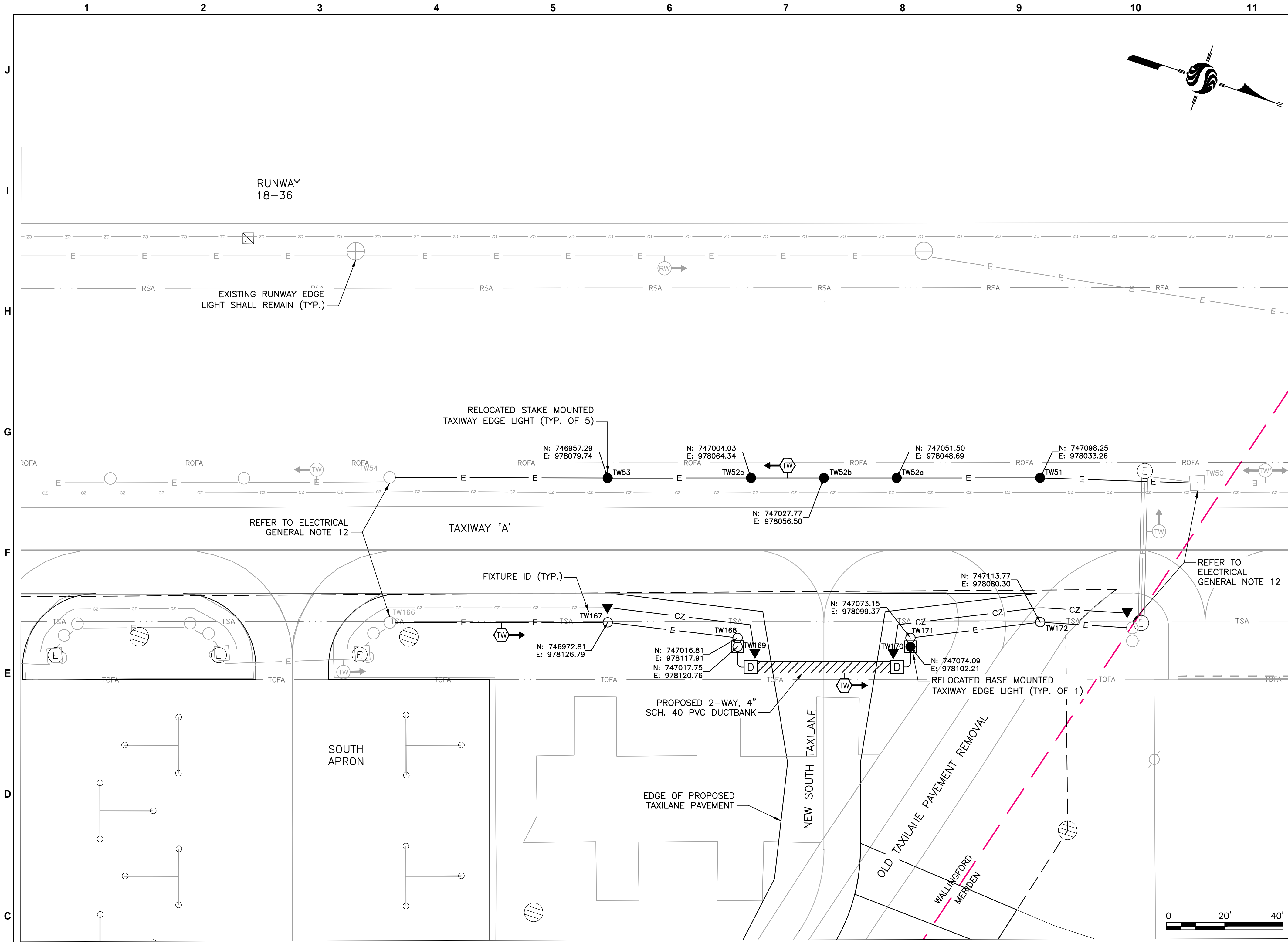
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Dwn. Chkd. Dsgn. YY.MM.DD

Title
PAVEMENT MARKING PLAN AND DETAILS

Project No. 179450653
Scale AS SHOWN

Drawing No. Sheet 11 of 13
Revision 0



LEGEND

- | SYMBOL | DESCRIPTION |
|--------|--|
| ○ | L-861T(L) STAKE MOUNTED TAXIWAY EDGE LIGHT |
| ◻ | L-861T(L) BASE MOUNTED TAXIWAY EDGE LIGHT |
| ● | RELOCATED EXISTING STAKE MOUNTED TAXIWAY EDGE LIGHT |
| ◼ | RELOCATED EXISTING BASE MOUNTED TAXIWAY EDGE LIGHT |
| —CZ— | DIRECT BURIED #6 AWG COPPER COUNTERPOISE WIRE IN TRENCH |
| —E— | DIRECT BURIED #8 AWG, 5KV, L-824C AIRFIELD LIGHTING CABLE IN TRENCH |
| ▼ | 10' X 3/4" GROUND ROD |
| | ELECTRICAL DUCTBANK, SIZE AS INDICATED. PROVIDE #6 AWG BARE COUNTERPOISE WIRE IN SAME TRENCH ALIGNED ABOVE DUCTBANK AND CONCRETE DUCT MARKERS |
| | EXISTING/PROPOSED AIRFIELD LIGHTING CIRCUIT ID.
* INDICATES TWO SERIES LIGHTING CABLES. REFER TO AIRFIELD LIGHTING CIRCUIT INDEX THIS SHEET |

AIRFIELD LIGHTING CIRCUIT INDEX	
RUNWAY	RW
TAXIWAY	TW

DRAWING NOTES:

- REFER TO DRAWING C.102 FOR ELECTRICAL DEMOLITION WORK.
- REFER TO DRAWING E.501 FOR AIRFIELD LIGHTING DETAILS.

ELECTRICAL GENERAL NOTES:

- 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.
- VERIFY THAT AIRFIELD LIGHTING CIRCUITS ARE PROPERLY DE-ENERGIZED, ISOLATED AND GROUND AS PART OF AIRPORTS LOCK OUT/TAG OUT PROGRAM BEFORE PERFORMING ANY WORK. IF NO PROGRAM EXISTS CONTRACTOR SHALL COORDINATE LOCK OUT/TAG OUT PROCEDURE WITH AIRPORT AND RPR.
- ALL PROPOSED TAXIWAY FIXTURES SHALL BE INSTALLED 10' FROM EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.
- COUNTERPOISE SHALL BE LOCATED 5' FROM EDGE OF PAVEMENT AND DIRECT BURIED LIGHTING CABLE TO BE LOCATED 10' FROM EDGE OF PAVEMENT WHEN RUN PARALLEL TO PAVEMENT.
- ALL EXISTING ELEVATED TAXIWAY FIXTURES THAT SHALL BE RELOCATED SHALL BE REINSTALLED IN ACCORDANCE WITH AIRFIELD LIGHTING DETAILS ON SHEET E.501.
- CONTRACTOR SHALL FURNISH AND INSTALL NON-CORROSIVE IDENTIFICATION TAGS FOR ALL LIGHT FIXTURES.
- 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).
- INSTALL PULL WIRE, CAP BOTH ENDS AND INSTALL DUCT MARKERS AT ALL SPARE DUCTS.
- GROUND RODS SHALL BE INSTALLED EVERY 500' ALONG COUNTERPOISE RUNS AND ARE CONSIDERED INCIDENTAL TO ALL RESPECTIVE LINE ITEMS.
- ALL NEW LED RUNWAY AND TAXIWAY LIGHT FIXTURES SHALL BE PROVIDED WITH INTEGRAL HEATER UNIT.
- WHERE POSSIBLE, CONTRACTOR SHALL FURNISH AND INSTALL NEW AIRFIELD LIGHTING CABLES IN SAME TRENCH AS REMOVED DIRECT BURIED LIGHTING CABLES.
- EXISTING FIXTURE SHALL REMAIN. CONTRACTOR SHALL DEMOLISH EXISTING CABLE AT SECONDARY LEAD OF ISOLATION TRANSFORMER. PROVIDE NEW L-823 PRIMARY CABLE CONNECTOR AT TRANSFORMER AND SPLICE TO NEW AIRFIELD LIGHTING CABLE.
- WHERE EXISTING COUNTERPOISE SHALL BE INTERCEPTED AND RE-ROUTED, CONTRACTOR SHALL DRIVE A GROUND ROD AND EXOTHERMICALLY WELD EXISTING TO NEW WIRE.

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Client/Project
MERIDEN-MARKHAM MUNICIPAL AIRPORT

REHABILITATE SOUTH APRON & RECONSTRUCT SOUTH TAXILANE

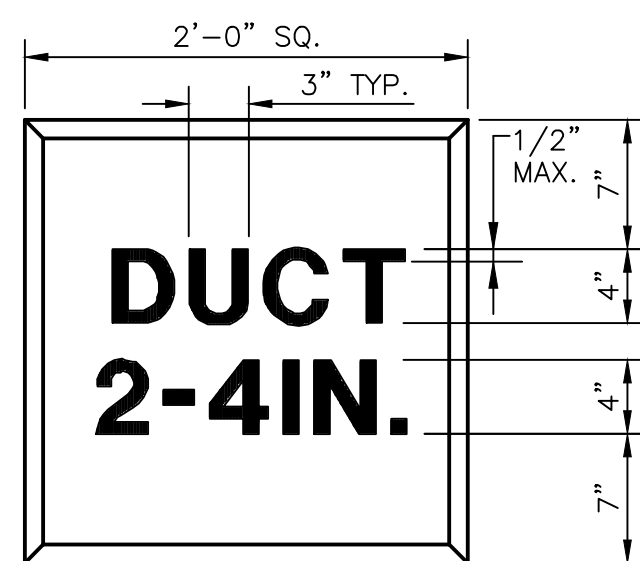
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Dwn.	Chkd.	Dsgn.	YY-MM-DD

Title
ELECTRICAL PLAN

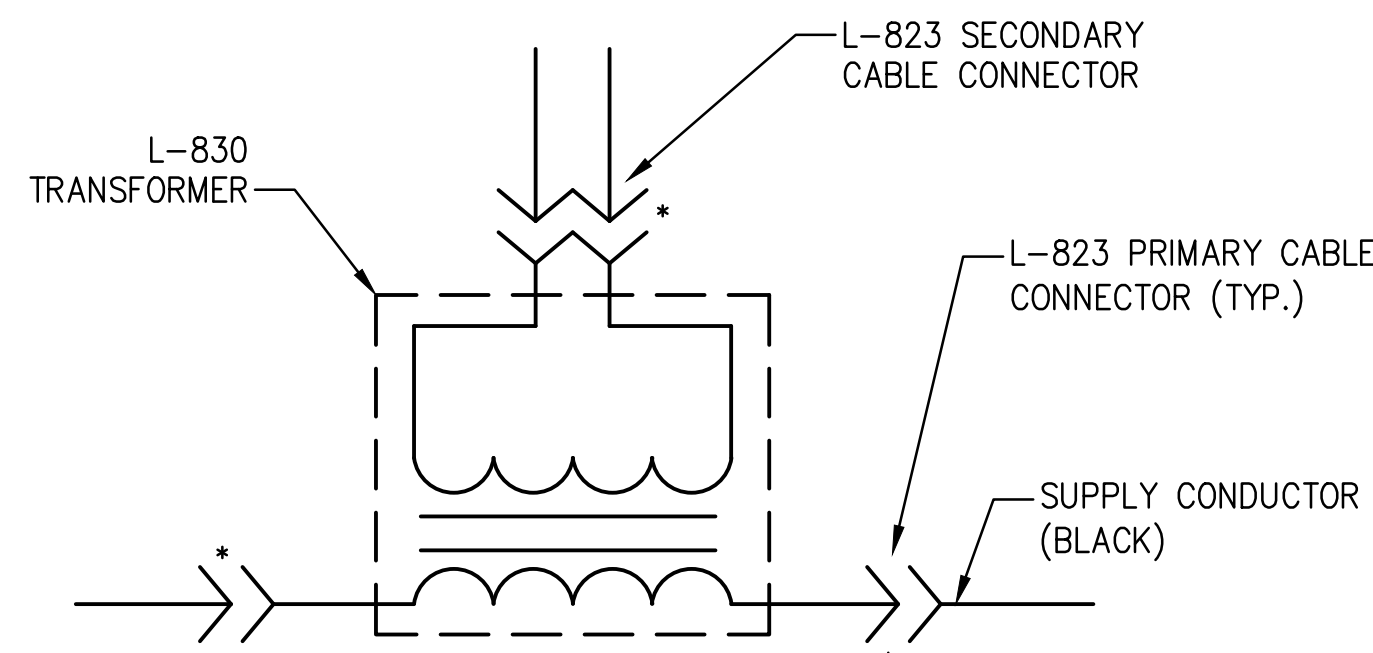
Project No. 179450653	Scale AS SHOWN
Drawing No. E.100	Sheet 12 of 13
Revision 0	



DUCTBANK MARKER NOTES:

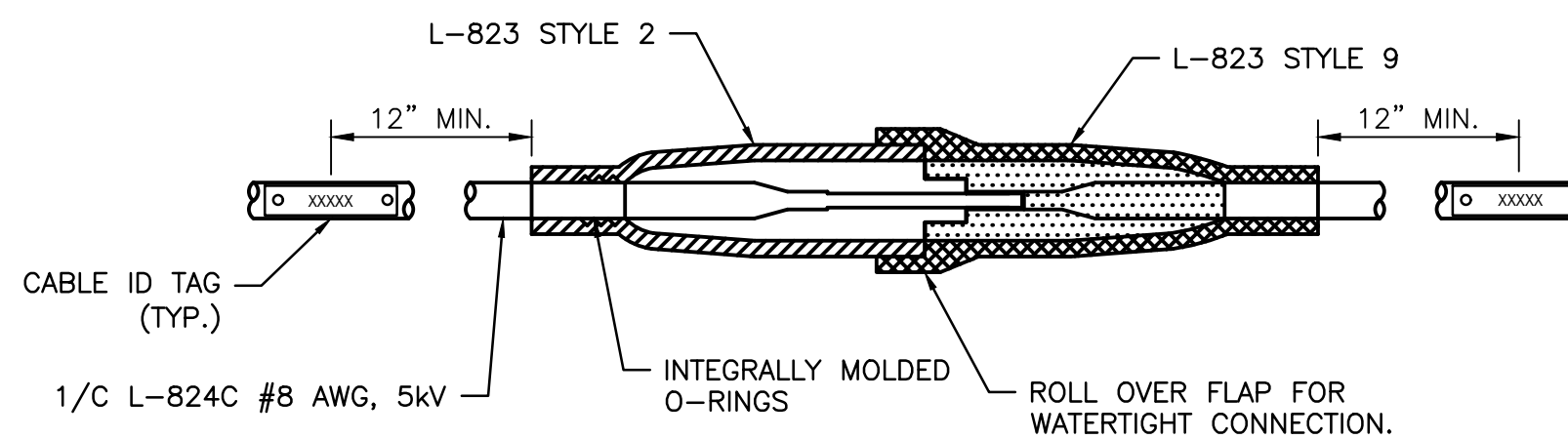
1. DUCT MARKER SHALL INDICATE NUMBER AND SIZE OF DUCTS.
2. DIMENSIONS OF 2-WAY DUCT (NOT SHOWN) SHALL HAVE SIMILAR LATERAL DIMENSIONS AND SHALL HAVE 10" LONGITUDINAL DIMENSIONS WITH 3" OF CONCRETE ABOVE AND BELOW 4" DUCT HAND LETTERING NOT ALLOWED ON MARKERS. LETTERING IS TO BE IMPRESSED.
4. NO SEPARATE PAYMENT SHALL BE MADE FOR ANY TYPE OF MARKER.
5. ALL CONCRETE MARKERS SHALL BE AT LEAST 4" IN THICKNESS.

2-WAY ELECTRICAL DUCTBANK MARKER
NOT TO SCALE



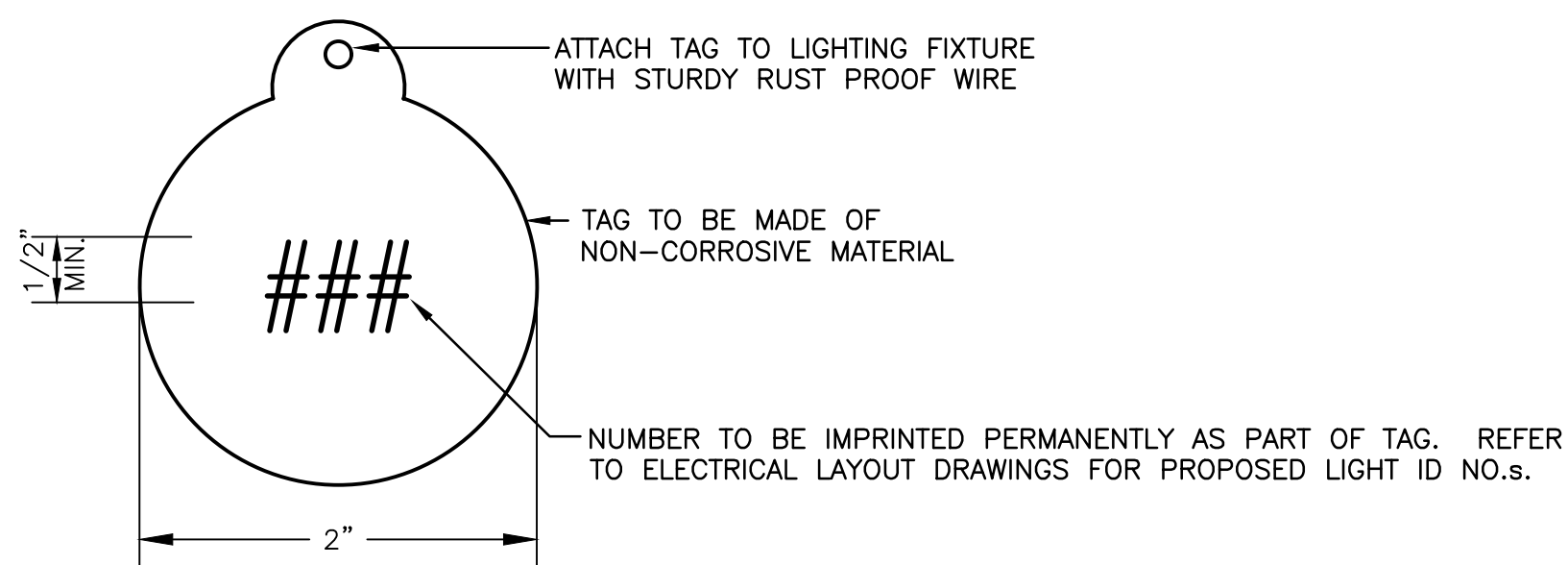
TYPICAL LIGHT FIXTURE WIRING SCHEMATIC
NOT TO SCALE

- * - TAPE CONNECTOR WITH ELECTRICAL TAPE
- NOTE:
1. HEAT SHRINK TUBING SHALL NOT BE USED ON L-823 CONNECTORS.



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

L-823 PRIMARY CABLE CONNECTOR DETAIL
NOT TO SCALE



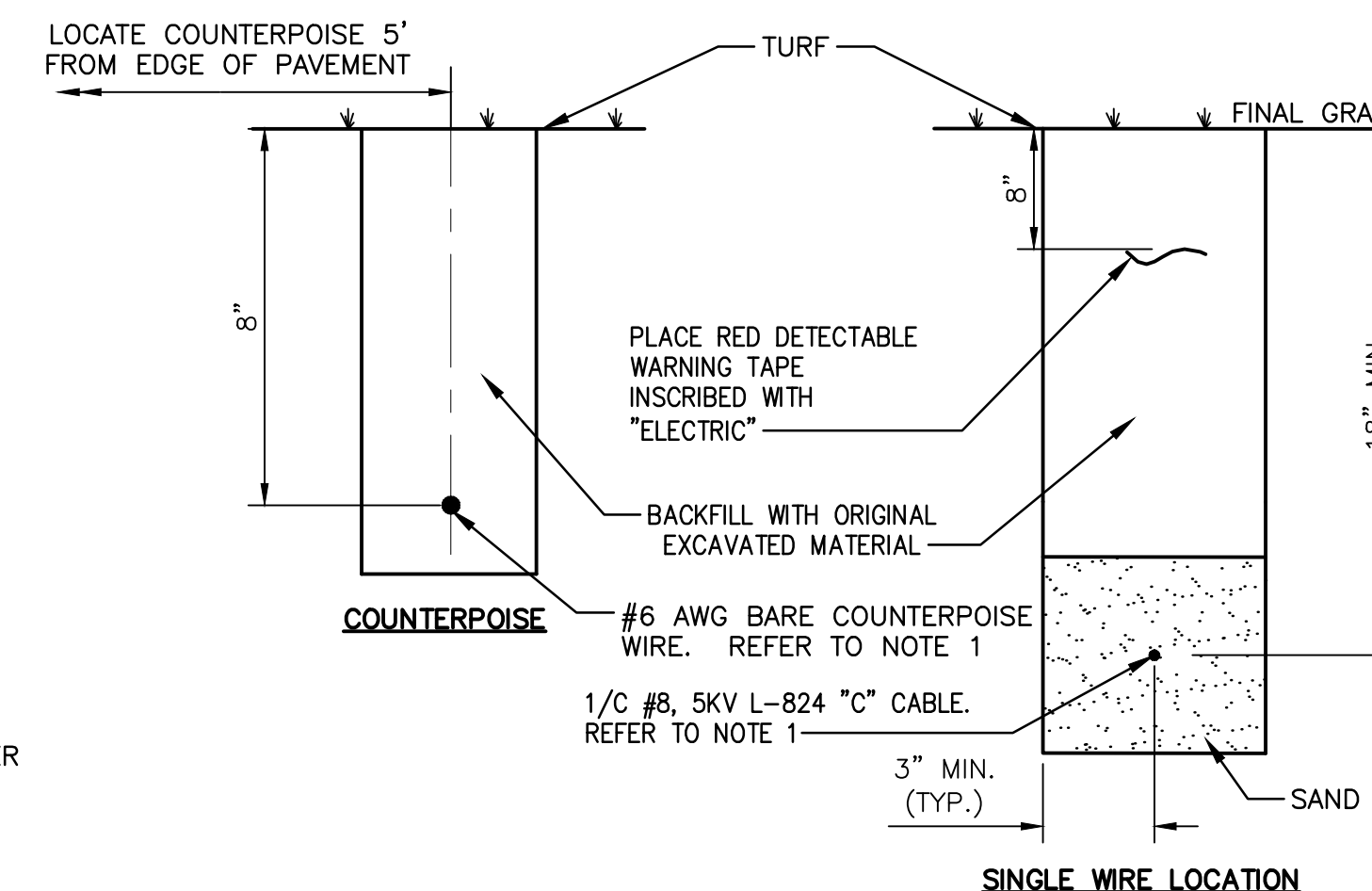
LIGHT FIXTURE IDENTIFICATION TAG
NOT TO SCALE

3/16" DIA. HOLE, SHALL BE ATTACHED TO L-824 CABLE WITH A T & B TYRAP CAT #TY524MX OR APPROVED EQUAL.



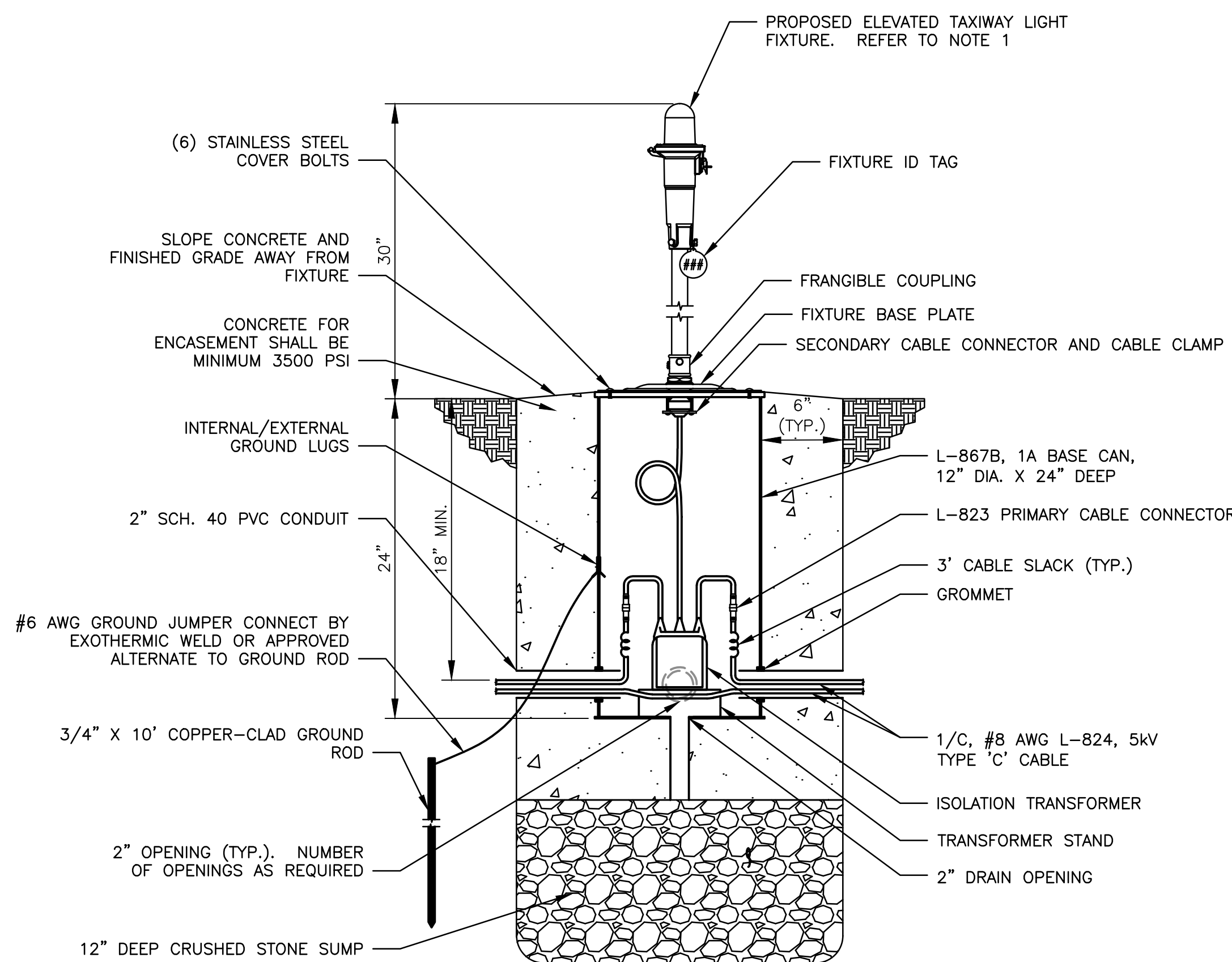
- NOTE:
1. CONTRACTOR SHALL COORDINATE CABLE ID INSCRIPTION(S) WITH ENGINEER DURING EQUIPMENT SUBMITTAL TIMEFRAME PRIOR TO CONSTRUCTION. REFER TO AIRFIELD LIGHTING CIRCUIT INDEX ON DRAWING E.201.

TYPICAL L-824 CABLE ID TAG
NOT TO SCALE



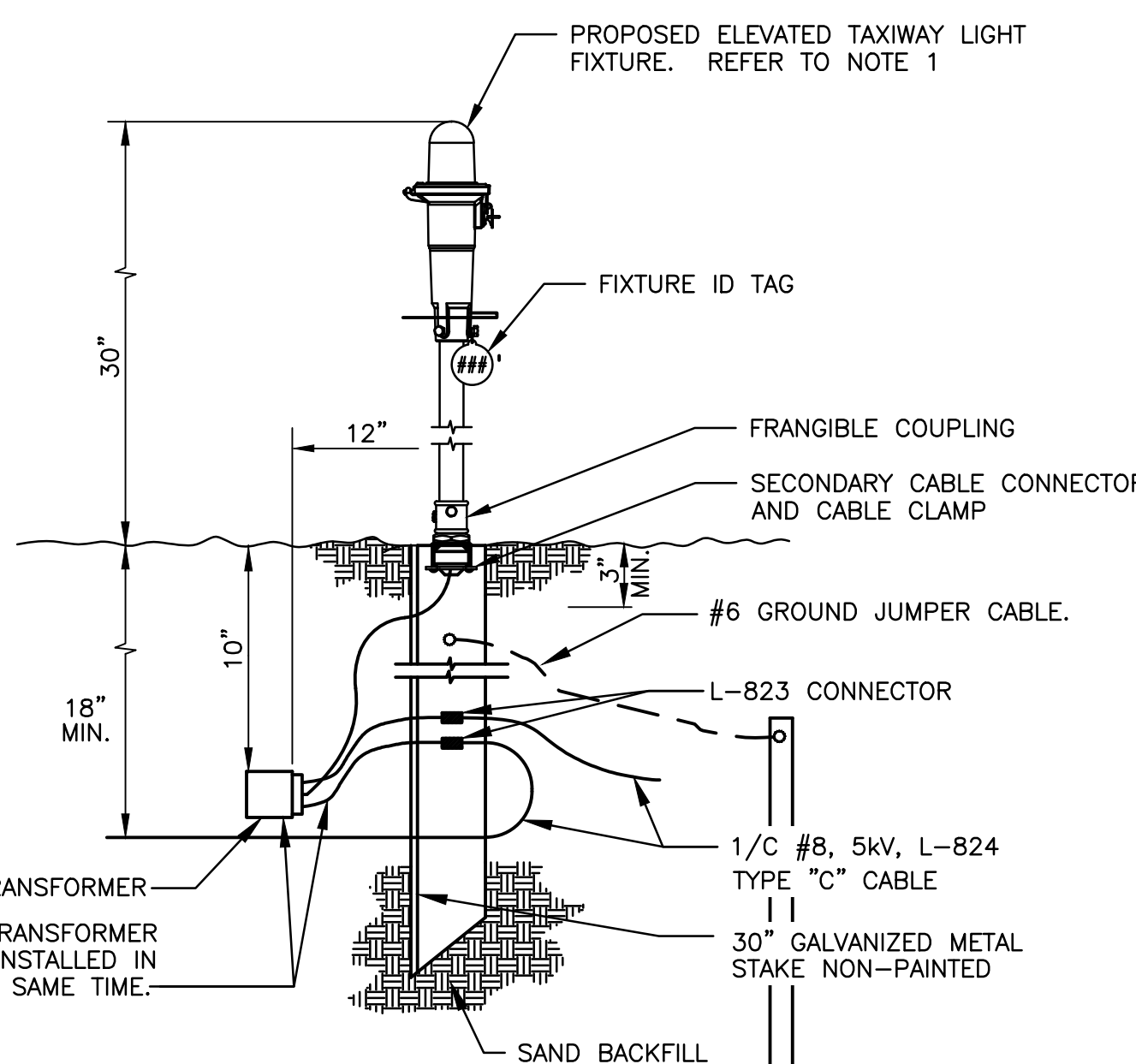
DIRECT BURIED CABLE TRENCHING DETAILS
NOT TO SCALE

- NOTES:
1. SIDE OF TRENCH MAY BE SLOPED BACK TO MEET SAFETY REQUIREMENTS WHERE EXTRA WIDTH IS POSSIBLE.
2. 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).



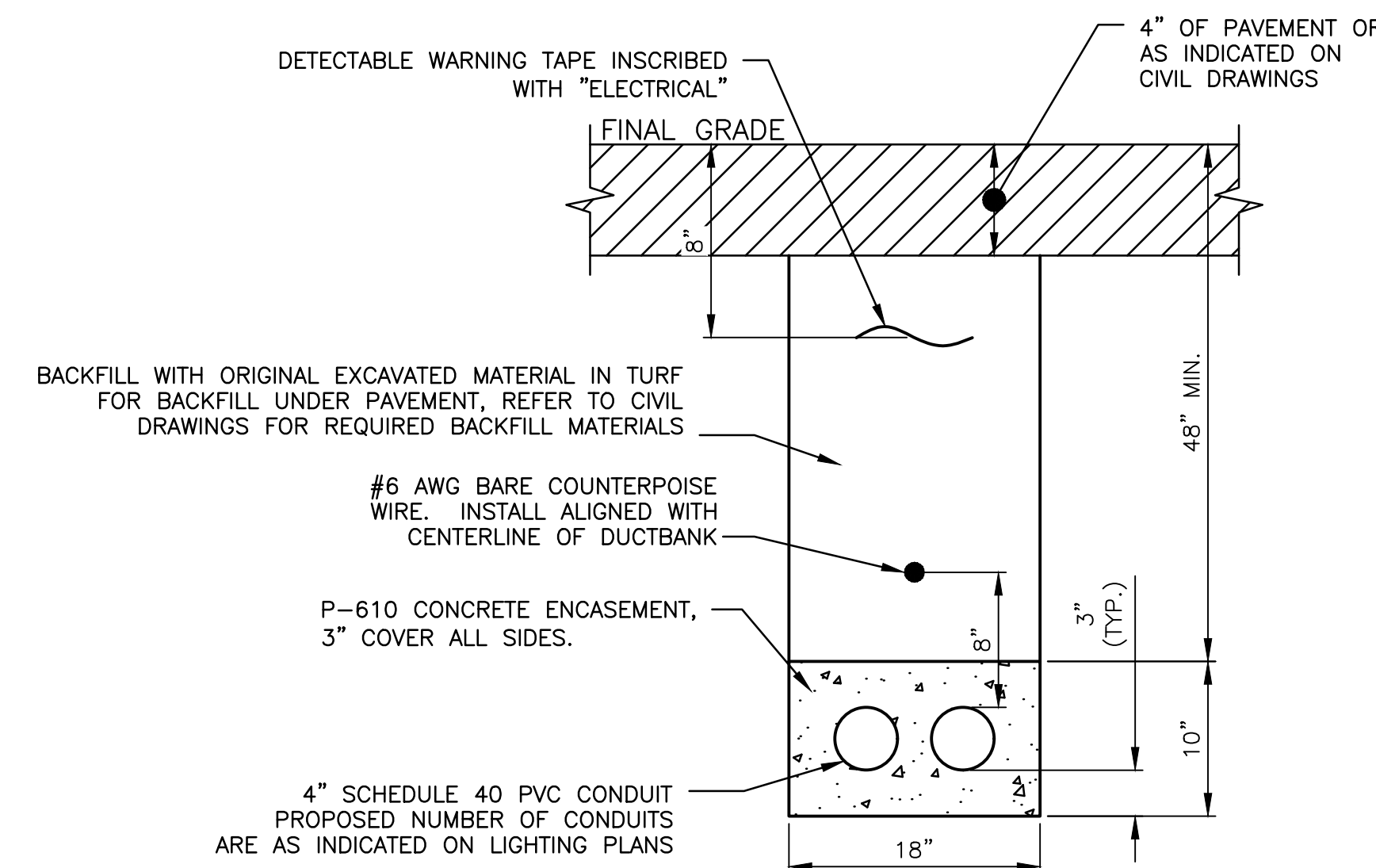
L-861T BASE MOUNTED FIXTURE DETAIL
NOT TO SCALE

- NOTES:
1. CONTRACTOR SHALL PROVIDE L-861T(L) TAXIWAY BASE MOUNTED FIXTURES WHERE INDICATED ON LAYOUT DRAWINGS. PROVIDE OMNI-DIRECTIONAL BLUE TAXIWAY LIGHTS. RELOCATED BASE MOUNTED FIXTURES SHALL BE INSTALLED PER THIS DETAIL.
2. ALL PROPOSED LED FIXTURES SHALL HAVE INTEGRAL HEATER OPTION INCLUDED.



L-861T STAKE MOUNTED FIXTURE DETAIL
NOT TO SCALE

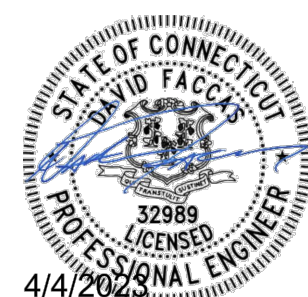
- NOTES:
1. CONTRACTOR SHALL PROVIDE L-861T(L) TAXIWAY STAKE MOUNTED FIXTURES WHERE INDICATED ON LAYOUT DRAWINGS. PROVIDE OMNI-DIRECTIONAL BLUE TAXIWAY LIGHTS. RELOCATED STAKE MOUNTED FIXTURES SHALL BE INSTALLED PER THIS DETAIL.
2. ALL PROPOSED LED FIXTURES SHALL HAVE INTEGRAL HEATER OPTION INCLUDED.



CONCRETE ENCASED DUCTBANK TRENCH DETAIL
NOT TO SCALE

- NOTES:
1. DUCTBANK SHALL BE CONCRETE ENCASED UNDER TAXILANE PAVEMENT AND TO A POINT 5' BEYOND PAVEMENT IN TURF.

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REHABILITATE SOUTH APRON & RECONSTRUCT SOUTH TAXILANE

MERIDEN, CONNECTICUT

Title

AIRFIELD ELECTRICAL DETAILS

Project No.
179450653

Scale
AS SHOWN

Drawing No.
E.101

Sheet
13 of 13

Revision
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Chkd: MLC
Dsgn: HAB
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