TOTAL SHEETS: 51 SP025

# CONSTRUCTION PLANS FOR SPARTA COMMUNITY AIRPORT

SPARTA, IL

IL PROJ. SAR-4583 SBG PROJ. NO: 3-17-SBGP-99/105/111/120/133/139/144

MILL AND OVERLAY EXISTING T-HANGAR SITE TAXILANES; CONSTRUCT NEW T-HANGAR BUILDING AND NEW TAXIWAY APPROACHES; REHABILITATE HANGAR 1: REPAINT HANGAR ROOF, EXTERIOR WALLS, & UPGRADE WIRING



COMMON GROUND ALLIANCE www.call811.com or

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES, PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED, IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR STORE AND ADDITIONAL COST TO THE CONTRACTOR.

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

#### **DESIGN INFORMATION**

GEOMETRIC CRITERIA AIRPLANE DESIGN GROUP II TAXIWAY DESIGN GROUP II

PAVEMENT DESIGN CRITERIA

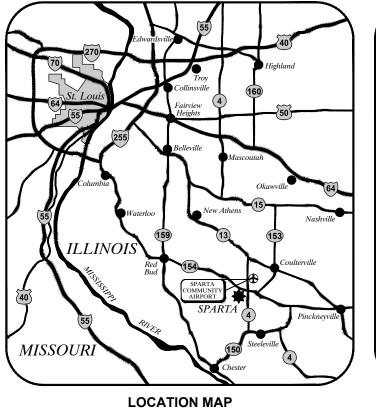
AIRCRAFT SINGLE WHEEL GEAR DEPARTURE WEIGHT = 12,500 LBS. 100 ANNUAL DEPARTURES

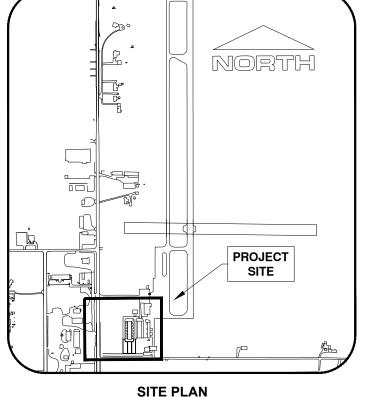
MAXIMUM EQUIPMENT HEIGHT = 75' GROUND FREQUENCY 123.075

SPARTA COMMUNITY AIRPORT

TOWNSHIP: 4 SOUTH RANGE: 5 WEST SECTION: 31 COUNTY: RANDOLPH

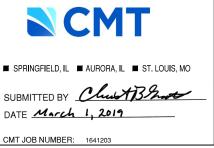
# **MARCH 1, 2019**











	<b>SUMMARY OF QUANT</b>	ITIES	
ITEM	DESCRIPTION	QUANTITY	U
AR108020	1/C #2/0 600V UG CABLE	290	
AR108040	1/C #4/0 600V UG CABLE	730	
AR108082	1/C #2 XLP-USE	823	
AR108752	1/C #2 GROUND	280	
AR108756	1/C #6 GROUND	274	
AR109210	VAULT MODIFICATIONS	1	
AR109924	REPLACE ELECTRICAL SERVICES	1	
AR110202	2" PVC DUCT, DIRECT BURY	485	
AR110204	4" PVC DUCT, DIRECT BURY	486	
AR110214	4" STEEL DUCT, DIRECT BURY	34	
AR110600	CONCRETE UTILITY PAD	1	
AR150550	CONSTRUCTION ACCESS	1	
AR152410	UNCLASSIFIED EXCAVATION	2,400	-
AR156510	SILT FENCE	500	
AR156520	INLET PROTECTION	3	
AR161900	REMOVE CLASS C FENCE	326	
AR162506	CLASS E FENCE 6'	388	
AR162900	REMOVE CLASS E FENCE	80	
AR209606	CRUSHED AGG, BASE COURSE - 6"	2,300	
AR401610	BITUMINOUS SURFACE COURSE	726	Т
AR401650	BITUMINOUS PAVEMENT MILLING	1,970	١.,
AR401921	REMOVE PAVEMENT	31	١.,
AR602510	BITUMINOUS PRIME COAT	1,090	(
AR603510	BITUMINOUS TACK COAT	730	
AR620520	PAVEMENT MARKING - WATERBORNE	1,167	
AR701512	12" RCP, CLASS IV	444	
AR701900	REMOVÉ PIPE	64	
AR705524	4" PERFORATED UNDERDRAIN W/SOCK	352	
AR705544	4" NON PERFORATED UNDERDRAIN	48	
AR705640	UNDERDRAIN CLEANOUT	4	
AR705645	UNDERDRAIN CONNECTION	6	
AR751411	INLET - TYPE A	1	
AR751530	MANHOLE	3	
AR752412	PRECAST REINFORCED CONC. 12" FES	1	
AR752900	REMOVE END SECTION	2	H
AR751961	REPAIR INLET	1	
AR800216	SINKHOLE MITIGATION	1	
AR800252*	T-HANGAR BUILDING 6-UNIT*	1	
AR800256*	EXTERIOR PAINTING (6000 SF)	1	
AR800259*	ELECTRICAL REMOVALS AND INSTALLATION	1	i
AR800260*	STRUCTURAL REPAIRS	1	
AR800262*	METAL ROOF COATING SYSTEM (8000 SF)	1	
AR901510	SEEDING	2.5	
AR908510	MULCHING	2.5	<del>-</del> /
AR908525	KNITTED STRAW MAT	415	

<sup>\* =</sup> SPECIALTY ITEM



MARCH 1, 2019

REHAB T-HANGAR TAXILANES CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1



SPARTA COMMUNITY AIRPORT SPARTA, IL

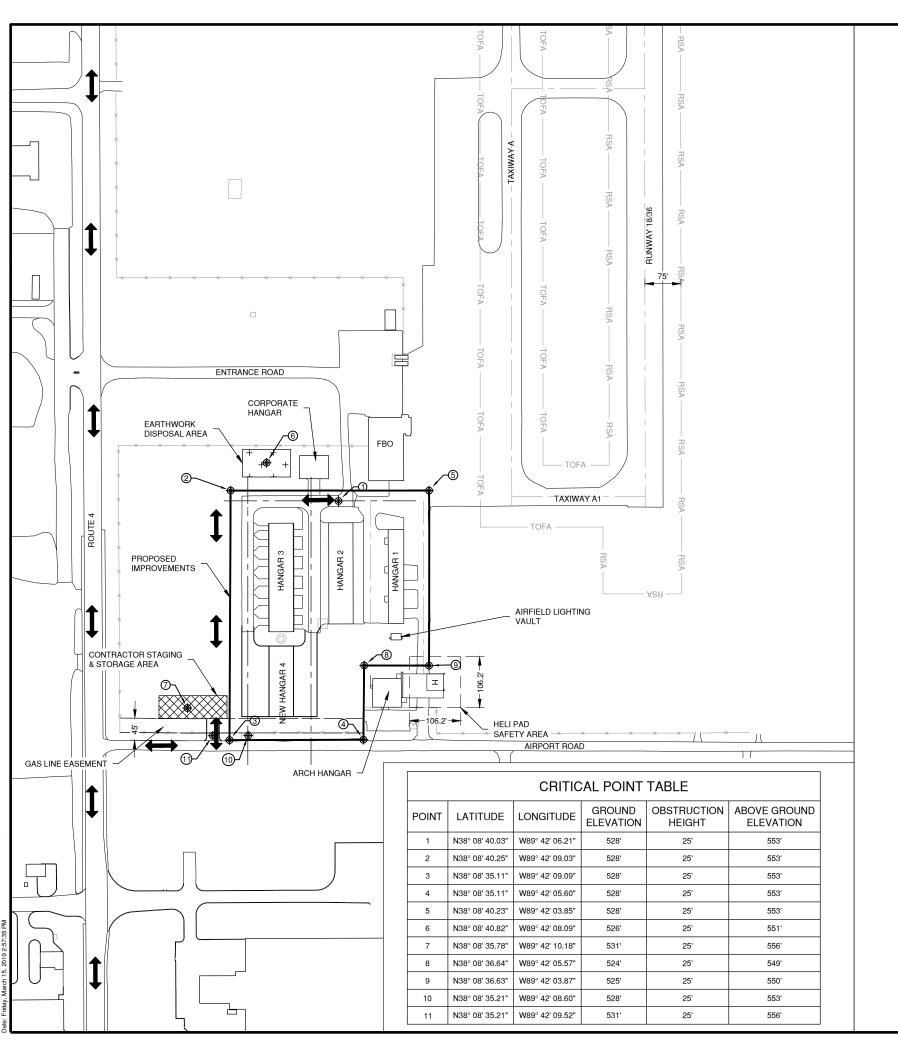
MARK DATE DESCRIPTION

AIP PROJ. NO: 3-17-SBGP-111/120/133/139 IL. PROJ. NO. SAR-4583 CMT PROJECT NO: 1641203 CAD DWG FILE: SAR4583-1641203-GI002.DWG DESIGNED BY: DRAWN BY: CHECKED BY: CBG APPROVED BY: RLV

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INDEX TO SHEETS & SUMMARY OF **QUANTITIES** 

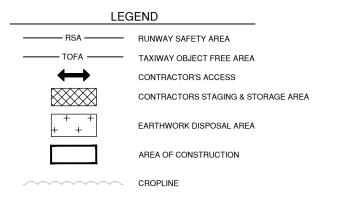
> GI002 51



- MEN, VEHICLES AND EQUIPMENT WILL NOT BE ALLOWED WITHIN THE FOLLOWING AREAS, EXCEPT WHEN UNDER THE CONTROL OF A FLAGMAN IN RADIO CONTACT WITH AIR AND GROUND TRAFFIC AT ALL TIMES:
  - A. 75' FROM THE CENTERLINE OF 9/27 WHEN ACTIVE.
  - B. 75' FROM THE CENTERLINE OF 18/36 WHEN ACTIVE.
  - C. 65.5' FROM THE CENTER OF AN ACTIVE TAXIWAY
  - D. 57.5' FROM THE CENTER OF AN ACTIVE TAXILANE.
  - E. 53.1' SQUARE OFFSET FROM THE CENTER OF AN ACTIVE HELI-PAD

COSTS FOR PROVIDING THE FLAGMAN AND RADIO EQUIPMENT SHALL BE INCIDENTAL TO THE CONTRACT.

- CONSTRUCTION TRAFFIC SHALL BE RESTRICTED TO DESIGNATED HAUL ROADS. THE CONTRACTOR SHALL NOT ACCESS EXISTING AIRFIELD PAVEMENTS TO GAIN ACCESS TO THE CONSTRUCTION SITE
- 8. WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT MANAGER.
- 4. THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS AT THE LOCATIONS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN AT A HEIGHT LESS THAN 25'
- 5. BROKEN CONCRETE, BITUMINOUS MATERIALS, AND MISCELLANEOUS WASTE SHALL BE DISPOSED OF BY THE CONTRACTOR OFF AIRPORT PROPERTY.
- ALL PAVEMENTS, DRIVES, OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE AIRPORT. NO ADDITIONAL COMPENSATION SHALL BE MADE TO THE CONTRACTOR FOR THIS WORK.
- EXISTING TURF AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE AIRPORT.
- B. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN ALL CONSTRUCTION AREAS WHICH WILL BE OPENED TO AIR TRAFFIC.
- DIT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS SO AS TO AVOID ANY DAMAGE. ANY UTILITY, INCLUDING AIRFIELD ELECTRICAL CABLE AND LIGHTS, DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY HIM AT HIS OWN EXPENSE IN A MANNER WHICH IS SATISFACTORY TO THE ENGINEER, THE AIRPORT AND TO THE OWNER OF THE UTILITY. ANY REPAIRS THAT MUST BE MADE BY THE OWNER OF THE UTILITY BY THE COST REIMBURSED TO THE UTILITY BY THE CONTRACTOR. SHALL BE REPAIRED BY A QUALIFIED LICHTING CABLES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY A QUALIFIED ELECTRICIAN WITH THE COSTS TO BE BORNE BY THE CONTRACTOR.
- 10. CONTRACTOR'S ACCESS SHALL BE AS FOLLOWS:
  - A. THE CONTRACTOR'S ACCESS TO THE WORK SHALL BE AS SHOWN IN THE CONSTRUCTION ACTIVITY PLAN.
  - B. THE CONTRACTOR SHALL ACCESS THE SITE OFF OF AIRPORT ROAD. THE CONTRACTOR SHALL CONTACT LOCAL AUTHORITIES WHEN ESTABLISHING THIS CONSTRUCTION ENTRANCE AND ENSURE THAT ALL SIGNAGE IS IN PLACE PER THEIR DIRECTION AND ALL PERMITS (IF NEEDED) ARE IN PLACE. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND TEMPORARY EASEMENTS FOR THE ACCESS ROAD(S) SHOWN AND SHALL COMPLY WITH ALL TRAFFIC CONTROL SIGNAGE REQUIRED BY THE CITY, COUNTY, TOWNSHIP, OR I.D.O.T..
  - C. DURING ADVERSE WEATHER THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK SITE.
  - D. ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  - E. THE CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A WAY AS NOT TO VIOLATE AIRSPACE SURFACES, OR RUNWAY AND TAXIWAY OBJECT FREE OR SAFETY AREAS.
  - F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ACTIVE AIRFIELD PAVEMENTS WHICH ARE CROSSED BY HIS VEHICLES ACCESSING THE WORK OR DEPARTING THE WORK IMMEDIATELY FOLLOWING SAID VEHICLE.





No. 184-000613

MARCH 1, 2019

REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

WNER



SPARTA COMMUNITY AIRPORT SPARTA, IL

MARK	DATE	DES	SCRIPTION			
AIP PI	ROJ. NO	: 3-17-	SBGP-111/120/133/139			
IL. PR	OJ. NO.	SAR-4	583			
CMT F	CMT PROJECT NO: 1641203					
CAD DWG FILE:		E:	SAR4583-1641203-GI003.DWG			
DESIG	NED BY	:	NEF			
DRAW	/N BY:		DPA			
CHEC	KED BY:		CBG			
APPROVED BY:		Y:	RLV			
COPY	RIGHT:					
OUEE	T TITL F					

SITE PLAN

GI003 3 <sub>OF</sub> 51

# **GENERAL NOTES**

- ALL RUNWAYS, TAXIWAYS AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED IN THE CONSTRUCTION ACTIVITY PLANS OR AS DIRECTED BY THE AIRPORT MANAGER.
- ALL CONSTRUCTION TRAFFIC OPERATING ON OR CROSSING ACTIVE RUNWAYS, TAXIWAYS AND APRONS SHALL BE UNDER CONTROL OF A FLAGGER IN RADIO CONTACT WITH AIR & GROUND TRAFFIC & UNICOM AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE HIS OWN RADIOS & FLAGGING PERSONNEL
- 3. WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN, FINAL AUTHORITY IN THE APPROVAL OF CLOSING AND OPENING PAVEMENTS AND CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT MANAGER.
- 4. THE CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS AT THE LOCATION SHOWN FOR THE "CONTRACTOR'S STAGING, STORAGE, PARKING SITE.
- 5. BROKEN OR WASTE CONCRETE AND ASPHALT IN EXCESS OF WHAT IS TO BE INCORPORATED INTO THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR OFF AIRPORT PROPERTY, UNLESS DIRECTED BY THE AIRPORT MANAGER.
- 6. VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED WITHIN AREAS 65.5' (ADG II OFA) FROM THE CENTERLINE OF ACTIVE TAXIWAYS OR 75' FROM THE CENTERLINE OF ACTIVE RUNWAYS.
- 7. ALL PAVEMENTS, DRIVES AND OTHER AREAS USED BY THE CONTRACTOR FOR HAUL ROADS AND STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE AIRPORT MANAGER. NO ADDITIONAL COMPENSATION SHALL BE MADE TO THE CONTRACTOR FOR THIS WORK.
- 8. THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL CONSTRUCTION AREAS PRIOR TO OPENING TO AIR TRAFFIC.
- REFER TO THE CONSTRUCTION ACTIVITY PLANS AND THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS CONCERNING COORDINATION OF CONSTRUCTION ACTIVITIES.
- 10. THE AIRFIELD VEHICLES SHALL HAVE COMPLETE ACCESS TO THE ENTIRE AIRFIELD INCLUDING THE CLOSURE AREAS.
- THE CONTRACTOR IS REQUIRED TO GIVE TEN (10) FULL WORKING DAYS NOTICE TO THE AIRPORT MANAGER PRIOR TO CLOSING WORK AREAS TO AIRCRAFT.
- 12. AT THE PRECONSTRUCTION MEETING, CONTRACTOR SHALL SUPPLY THE AIRPORT MANAGER WITH PROPOSED CLOSURE AND PHASING DATES FOR THEIR REVIEW AND APPROVAL. THE RESIDENT ENGINEER SHALL KEEP THE AIRPORT MANAGER ADVISED OF ANY PROPOSED CHANGES IN CLOSURE AND PHASING DATES.
- 13. ALL CONTRACTOR'S VEHICLES AND EQUIPMENT SHALL DISPLAY AN ORANGE AND WHITE CHECKED AVIATION SIGNAL FLAG, EXCEPT HAUL VEHICLES.
- 14. ANY VEHICLE OPERATING WITHIN A MOVEMENT AREA DURING THE HOURS OF DARKNESS SHOULD BE EQUIPPED WITH AN AMBER REVOLVING OR FLASHING DOME-TYPE LIGHT AS SPECIFIED IN THE SPECIAL PROVISIONS.
- 15. IF, DURING CONSTRUCTION, AN EMERGENCY IS DECLARED BY THE AIRPORT, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE PAVEMENT OF ALL VEHICLES, PERSONNEL AND EQUIPMENT.
- 16. IF DURING THE CONSTRUCTION OPERATIONS NOTICEABLE DESTRUCTION TO THE SUBBASE OCCURS AFTER MILLING, CORRECTIVE ACTION SHALL BE TAKEN TO MITIGATE THE ISSUE. CONTRACTOR MAY BE REQUIRED TO REDUCE FULLY LOADED DELIVERY TRUCKS TO LIMIT DAMAGE PER SECTION 50-12.

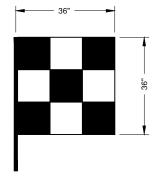
# CONTRACTOR'S RESPONSIBILITY FOR UTILITY SERVICE

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

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

# CONTRACTOR'S ACCESS

- 1. CONTRACTOR'S ACCESS SHALL BE AS FOLLOWS:
  - A. THE CONTRACTOR'S ACCESS TO THE WORK SHALL BE AS SHOWN ON THE SITE PLAN AND CONSTRUCTION ACTIVITY PLANS.
  - B. DURING ADVERSE WEATHER, THE CONTRACTOR SHALL MAKE PROVISIONS FOR ACCESS TO THE WORK SITE AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK.
  - C. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A HEAVY-DUTY PADLOCK ON THE ACCESS GATE. HE SHALL PROVIDE KEYS FOR THIS PADLOCK TO THE RESIDENT ENGINEER, AIRPORT SECURITY, AND MAINTENANCE SUPERVISOR. NO ADDITIONAL KEYS ARE TO BE DISTRIBUTED UNLESS AUTHORIZED BY THE AIRPORT MANAGER.
  - D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL CONSTRUCTION ACCESS GATES CLOSED & SECURED AT ALL TIMES INCLUDING WORK HOURS. IF THE CONTRACTOR CHOOSES TO LEAVE THE GATE OPEN, HE SHALL POST A COMPETENT, FULL TIME SECURITY GUARD TO PREVENT UNAUTHORIZED ENTRIES. THE CONTRACTOR SHALL REPLACE ANY UNSATISFACTORY SECURITY GUARDS IF SO DIRECTED BY THE AIRPORT MANAGER OR ENGINEER.
  - E. THE CONTRACTOR SHALL CLOSE AND LOCK THE ACCESS GATES UPON LEAVING THE SITE.
  - F. THROUGHOUT THE DURATION OF THE CONTRACT, ANY DAMAGE TO THE ACCESS GATES OR FENCING ADJACENT TO THE PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE AIRPORT MANAGER.
  - G. ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  - H. THE CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A WAY AS TO NOT DISTURB AGRICULTURAL AREAS OR VIOLATE THE PART 77 APPROACH AND PRIMARY SUBFACES.
  - EMPLOYEE PERSONAL VEHICLES SHALL NOT BE ALLOWED BEYOND THE CONTRACTOR'S PARKING AREA. CONTRACTOR PERSONNEL SHALL PARK IN THE CONTRACTOR'S STAGING & STORAGE CONSISTENT AREA. PERSONNEL SHALL BE TRANSPORTED TO THE WORK SITE BY COMPANY OWNED VEHICLES.
  - J. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ACCESS ROADS WITH THE APPROPRIATE LOCAL AGENCY RESPONSIBLE FOR THE ROADWAY.
  - K. THE CONTRACTOR SHALL HAVE A VACUUM TYPE SWEEPER AVAILABLE AT ALL TIMES.
- AN AREA WILL BE PROVIDED BY THE AIRPORT TO THE CONTRACTOR AS THE STAGING, STORAGE AND EMPLOYEE PARKING SITE, AT THE LOCATION SHOWN.
- 3. A LIST OF AUTHORIZED PERSONNEL PERMITTED TO USE THE GATE SHALL BE PROVIDED BY THE CONTRACTOR TO THE RESIDENT ENGINEER & AIRPORT MANAGER.
- 4. THE CONTRACTOR SHALL PROVIDE A SIGN AT THE ACCESS GATE SAYING "AUTHORIZED PERSONNEL & CONSTRUCTION ACCESS ONLY".



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

**GROUND CONTROL FREQUENCY 123.075 MHZ** 

MAXIMUM EQUIPMENT HEIGHT 75 FEET



MARCH 1, 2019

REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

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SPARTA COMMUNITY AIRPORT SPARTA, IL

MARK	DATE	DESCRIPTION						
AIP PROJ. NO: 3-17-SBGP-111/120/133/139								
IL. PR	OJ. NO.	SAR-4583						
CMT F	ROJECT	FNO: 1641203						

IL PROJ. NO. SAR-4583

CMT PROJECT NO: 1641203

CAD DWG FILE: SAR4583-1641203-GI004.DWG

DESIGNED BY: NEF

DRAWN BY: DPA

CHECKED BY: CBG

APPROVED BY: RLV

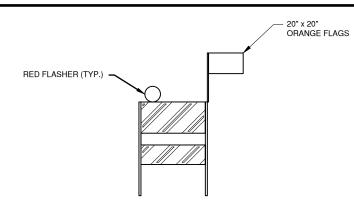
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SHEET TITLE

GENERAL NOTES

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# FLASHER BARRICADE DETAIL-IDOT TYPE 1

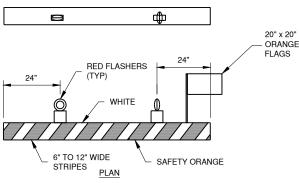
N.T.S

#### FLASHER BARRICADE NOTES

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

# **GENERAL NOTES**

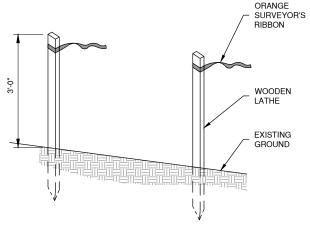
- ALL CONSTRUCTION BARRICADES SHALL BE IN PLACE PRIOR TO INITIATING WORK.
- 2. THE CONTRACTOR SHALL GIVE THE AIRPORT A MINIMUM 10 DAYS NOTIFICATION PRIOR TO THE INITIATION OF THE WORK.
- 3. THE CONTRACTOR SHALL MAINTAIN ALL MINIMUM DISTANCES SHOWN IN THE CONSTRUCTION ACTIVITY PLANS OR AS REQUIRED FOR THE CRITICAL OPERATING AIRCRAFT THROUGH THESE AREAS.
- ALL COSTS TO FURNISH, INSTALL, AND MAINTAIN THE CONSTRUCTION SET BACK LINE SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND WILL NOT BE MEASURED FOR PAYMENT.
- 5. ALL PAVEMENTS OR TURF AREAS UTILIZED BY THE CONTRACTOR FOR AN ACCESS ROUTE, STAGING, OR STORAGE SHALL BE REPAIRED AND RESTORED TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE AIRPORT. NO ADDITIONAL COMPENSATION TO PROTECT, REPAIR, OR RESTORE THESE AREAS SHALL BF MADE.



# LOW PROFILE LIGHTED BARRICADE

#### **BARRICADE NOTES**

- FLASHERS SHALL BE BATTERY OPERATED. LENS SHALL BE RED AND BE ABLE TO ROTATE 90°.
- FACING OF BARRICADE SHALL BE COVERED WITH REFLECTIVE TAPE OR PAINT.
- BARRICADES ARE TO BE PLACED WITH A MAXIMUM OF 15' SPACING BETWEEN ENDS OF BARRICADES ALONG OPERATIONAL PAVEMENT ADJACENT TO CONSTRUCTION OR AS DIRECTED BY THE RESIDENT ENGINEER. ROTATE EVERY OTHER FLASHER LENS 90°.
- 4. FLASHERS SHALL BE SECURED TO THE BARRICADES, AS APPROVED BY THE RESIDENT ENGINEER.
- BARRICADES SHALL BE OF LOW MASS, EASILY COLLAPSIBLE UPON CONTACT WITH AN AIRCRAFT OR ANY OF ITS COMPONENTS, AND WEIGHTED TO THE SURFACE.



# CONSTRUCTION SETBACK LINE DETAIL

NTS

#### CONSTRUCTION SETBACK LINE NOTES

- CONSTRUCTION SETBACK LINE SHALL BE INSTALLED WHERE SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEETS.
- 2. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

#### **SEQUENCE OF CONSTRUCTION NOTES**

THE GENERAL PROGRESSION OF THE WORK SHALL BE AS FOLLOWS:

- A. SUBMIT EQUIPMENT AND BUILDING SHOP, PLAN AND WORKING DRAWINGS FOR REVIEW. INCLUDE WITH THE SUBMITTALS ALL BUY AMERICAN CERTIFICATIONS FOR ALL MATERIALS.
- B. SUBMIT NOTICE OF OBSTRUCTION EVALUATION- AIRPORT AIRSPACE ANALYSIS (OE/AAA) INFORMATION FOR ANTICIPATED EQUIPMENT HEIGHTS IF IN EXCESS OF 25'. NOTE THAT THIS PROCESS MAY REQUIRE UP TO 90 DAYS FOR FAA APPROVAL. EQUIPMENT ABOVE 25' HEIGHT SHALL NOT BE UTILIZED UNTIL FAA APPROVAL HAS BEEN PROVIDED. AN AREA HAS ALSO BEEN DESIGNATED ON PLAN SHEET GC103 CONSTRUCTION ACTIVITY PLAN PHASE 3 WHERE EQUIPMENT GREATER THAN 75' IN HEIGHT SHALL NOT BE UTILIZED. EQUIPMENT OVER 25' IN HEIGHT ARE NOT ALLOWED TO VENTURE OUTSIDE OF THE DESIGNATED 75' HIGH TOLERANCE AREA.
- S. SUBMIT PROJECT SCHEDULE SHOWING RELATIONSHIP BETWEEN CONSTRUCTION DURATION FOR PAY ITEMS IN RELATION TO THE PHASES OF WORK WHERE THEY ARE BEING PERFORMED. CLEARLY IDENTIFY DATES OF TAXIWAY CLOSURES AND WHAT PHASES WILL BE WORKED IN DURING THAT CLOSURE.
- C. SUBMIT PRELIMINARY MATERIALS CERTIFICATIONS INCLUDING BUY AMERICAN CERTIFICATIONS AND WAIVER REQUEST FOR MATERIALS THAT DO NOT MEET THE CONTRACT REQUIREMENTS PRIOR TO NOTICE TO PROCEED REQUEST AND BEING ISSUED.
- D. INSTALL BARRICADES AS OUTLINED ON THE CONSTRUCTION ACTIVITY PLANS. INITIATE DEMOLITION AND REMOVAL OF EXISTING PAVEMENTS. FIELD-VERIFY LOCATION OF EXISTING CIRCUITS, AND PERFORM TESTING ON EXISTING AIRFIELD CIRCUITS TO VERIFY CONDITION OF CIRCUIT CABLES. THE R.E. SHALL BE PRESENT AT THE TIME OF TESTING AND SHALL BE GIVEN A COPY OF THE TEST RESULTS.
- E. UPON COMPLETION OF ALL PHASES, THE CONTRACTOR SHALL REQUEST A FINAL INSPECTION OF THE PROJECT.

# **APRON / TAXIWAY OBJECT FREE AREAS**

- . EQUIPMENT OR PERSONNEL SHALL REMAIN CLEAR OF THE TAXIWAY PAVEMENTS AT ALL TIMES UNLESS INSTRUCTED BY A PERSON IN RADIO CONTACT WITH THE AIR GROUND, & UNICOM.
- NO EQUIPMENT, OPEN TRENCHES OR EXCAVATIONS SHALL REMAIN INSIDE THE TAXIWAY OBJECT FREE AREAS AFTER WORKING HOURS.

#### **RUNWAY SAFETY AREAS**

- EQUIPMENT OR PERSONNEL SHALL REMAIN CLEAR OF THE RUNWAY PAVEMENTS AT ALL TIMES UNLESS INSTRUCTED BY A PERSON IN RADIO CONTACT WITH THE AIR GROUND, & UNICOM.
- 2. NO EQUIPMENT, STOCKPILES OR EXCAVATIONS SHALL REMAIN INSIDE THE RUNWAY SAFETY AREAS AFTER WORKING HOURS.

# **HELI-PAD SAFETY AREAS**

- WORK IN THE HELI-PAD SAFETY AREA SHALL REQUIRE THE
  HELI-PAD TO BE CLOSED. WORK WITHIN THE HELI-PAD SAFETY
  AREAS WILL BE AS SHOWN ON THE CONSTRUCTION ACTIVITY

  STANDARD

  OF THE PAGE OF THE PAGE
- 2. THE HELI-PAD SHALL BE CLOSED PRIOR TO WORKING WITHIN THE HELI-PAD SAFETY.

#### **TAXILANE OBJECT FREE AREAS**

- WORK IN THE TAXILANE OBJECT FREE AREAS SHALL REQUIRE THE TAXILANE TO BE CLOSED. WORK WITHIN THE TAXILANE OBJECT FREE AREAS WILL BE AS SHOWN ON THE CONSTRUCTION ACTIVITY PLANS.
- 2. THE TAXILANE SHALL BE CLOSED WITH BARRICADES AT 15' MAXIMUM SPACING PRIOR TO WORKING WITHIN THE TAXILANE



License No. 184-000613

MARCH 1, 2019

REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

OWNE



SPARTA COMMUNITY AIRPORT SPARTA. IL

MARK	DATE	DESCRIPTION				
AIP PROJ. NO: 3-17-SBGP-111/120/133/139						

III. PROJ. NO. SAR-4583

CMT PROJECT NO: 1641203

CAD DWG FILE: SAR4583-1641203-GC001.DWG

DESIGNED BY: NEF

DRAWN BY: DPA

CHECKED BY: CBG

APPROVED BY: RLV

HEET TITLE

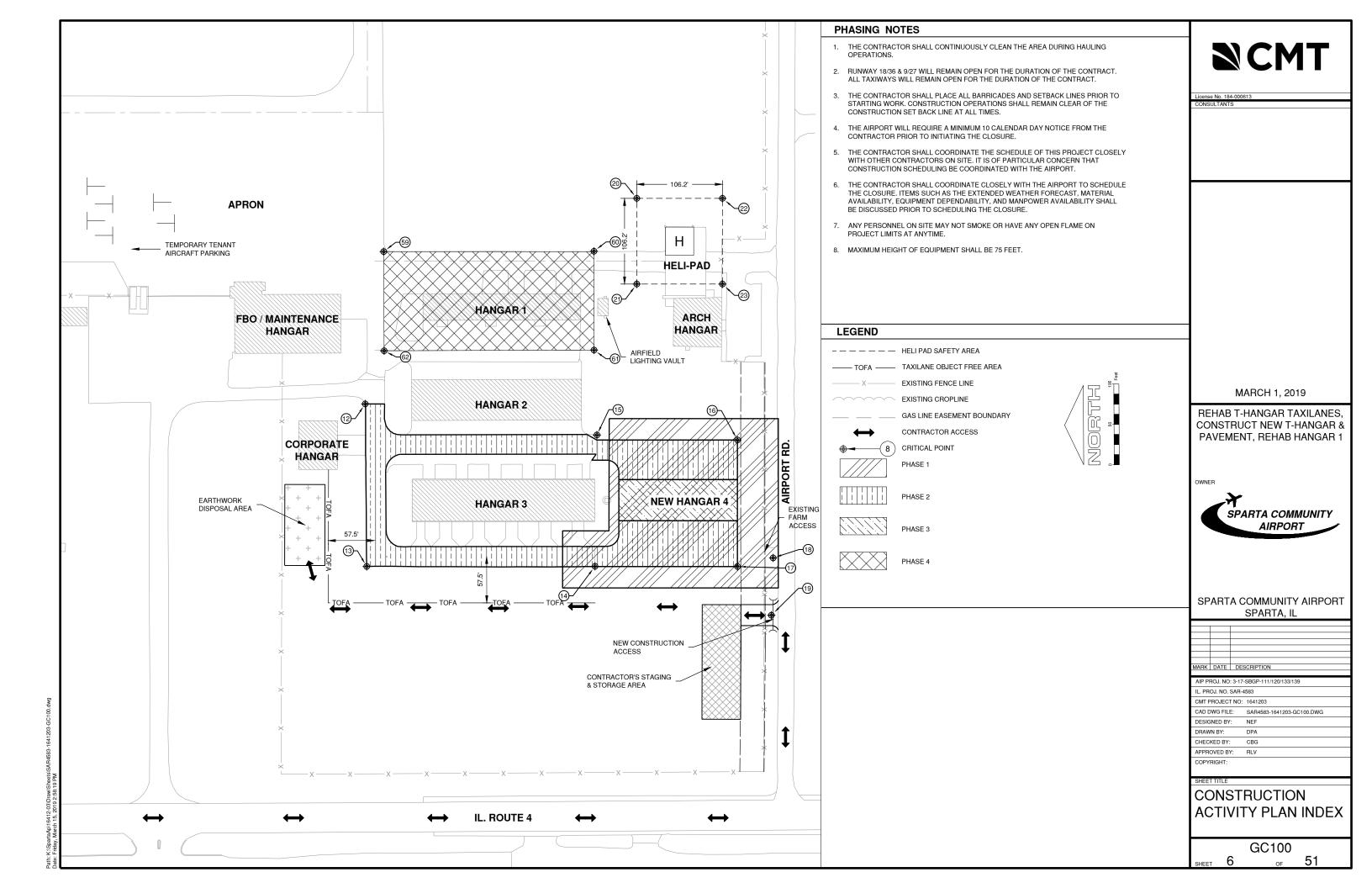
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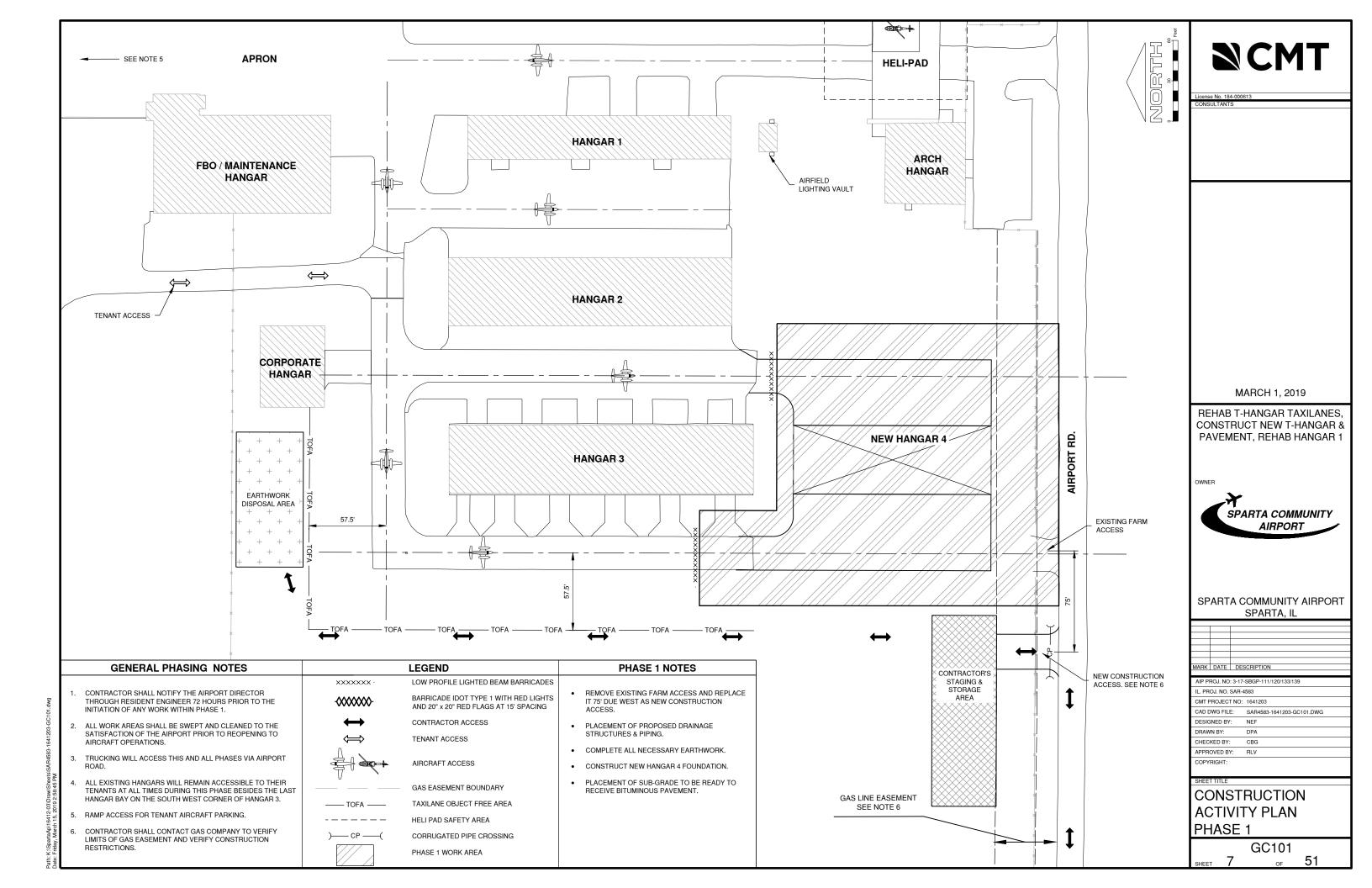
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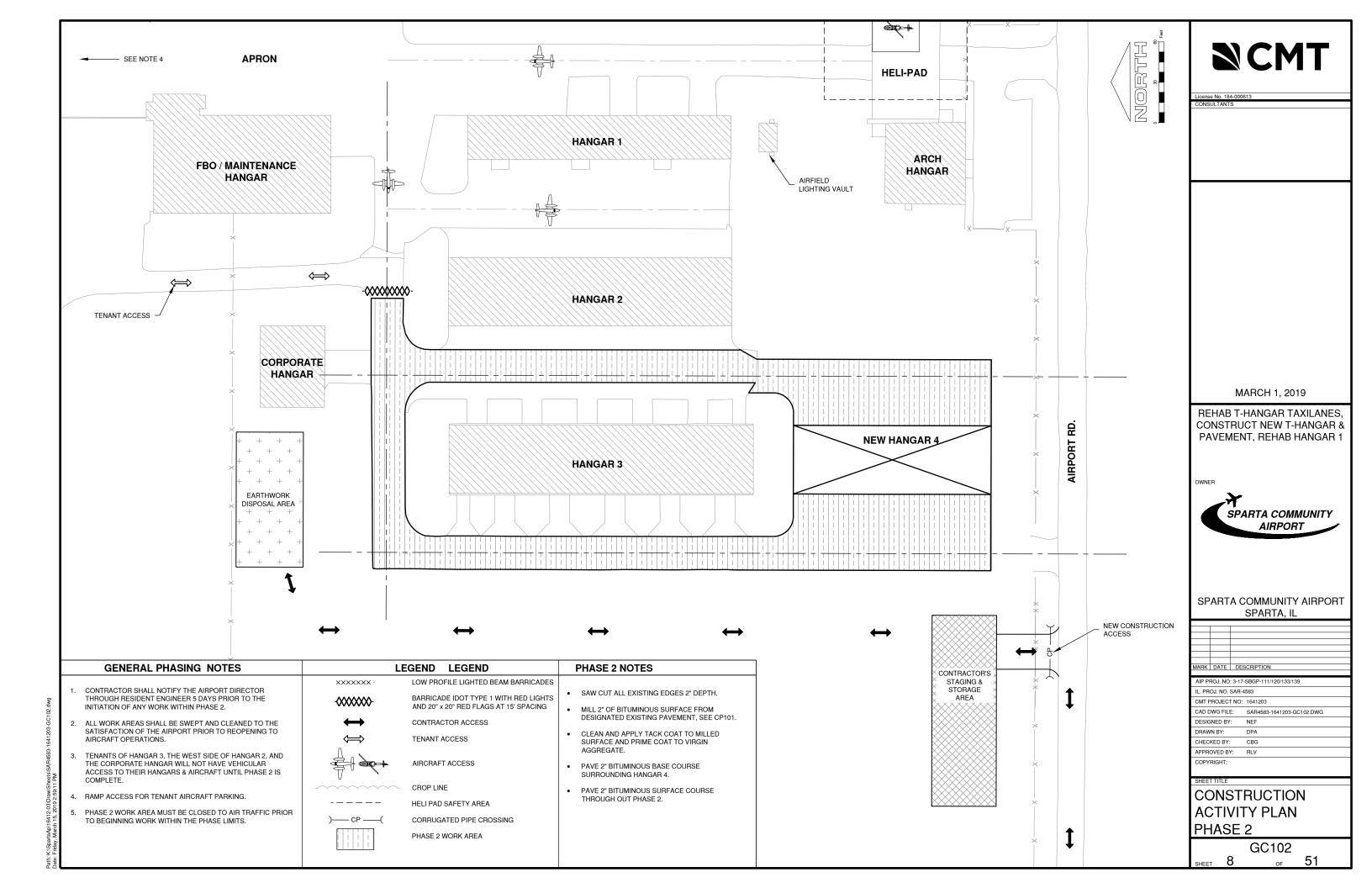
CONSTRUCTION ACTIVITY NOTES & DETAILS

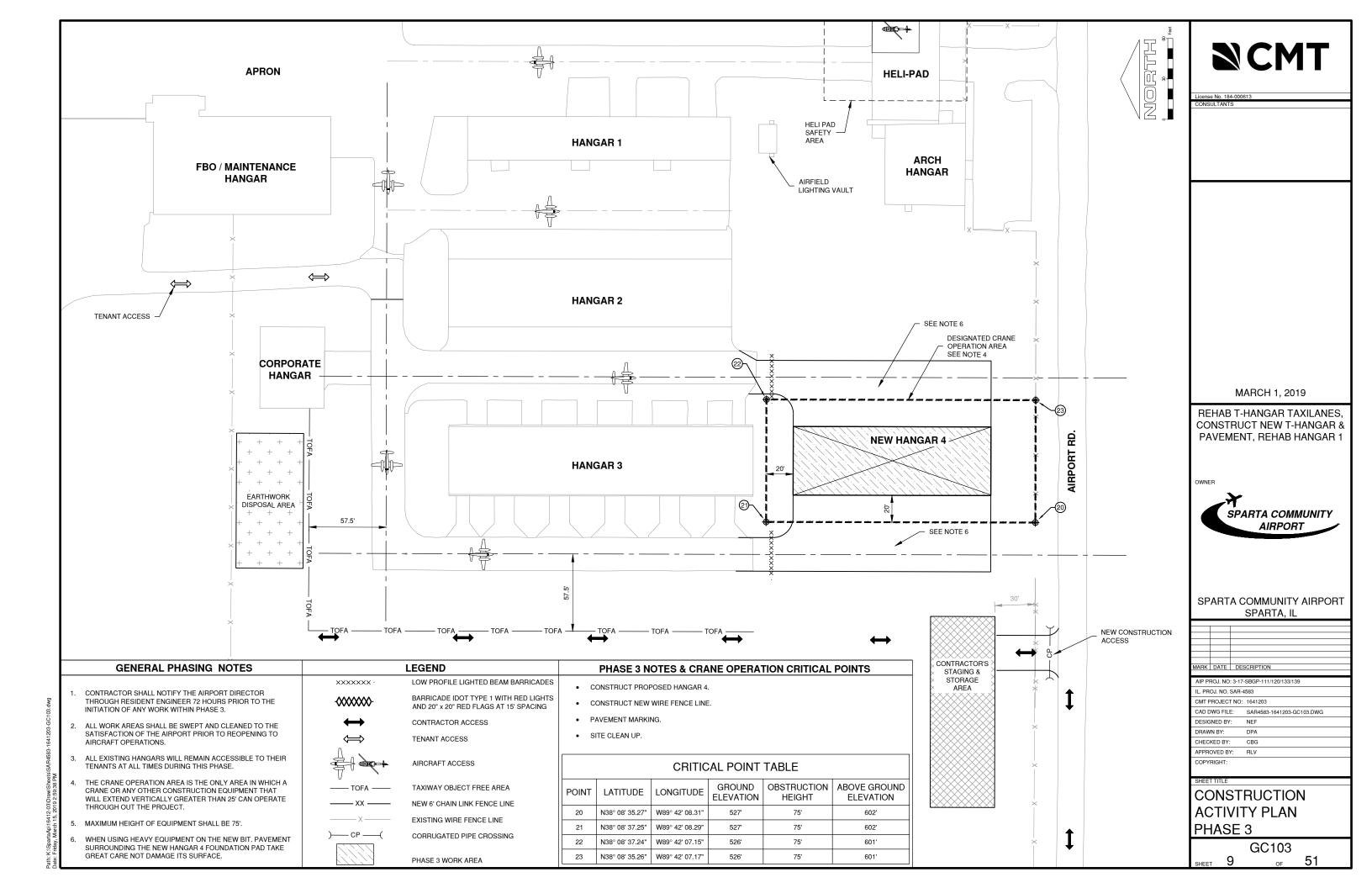
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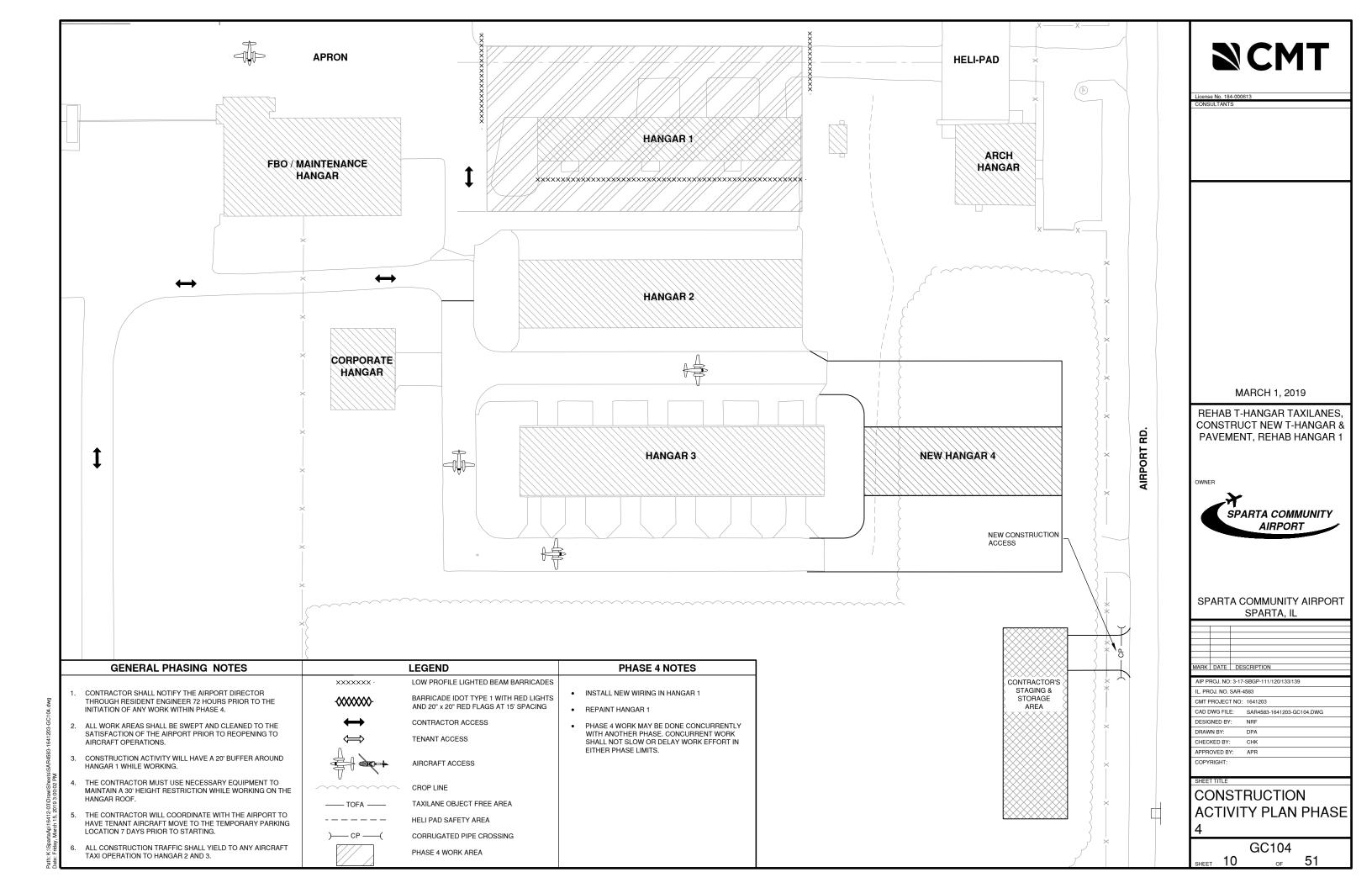
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#### 1. GENERAL

- THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL FOLLOW THE REQUIREMENTS OF THE AIRPORT'S APPROVED CONSTRUCTION SAFETY AND PHASING PLAN (CSPP), FAA AC 150/5370-2G, AND ALL AIRPORT SAFETY AND SECURITY REQUIREMENTS
- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE AIRPORT FOR APPROVAL A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) IN ACCORDANCE WITH FAA AC 150/5370-2G. NO CONSTRUCTION ACTIVITY SHALL BEGIN UNTIL THE AIRPORT HAS APPROVED THE SPCD.
- THE CSPP COVERS OPERATIONAL SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INDIVIDUAL SAFETY OF HIS/HER
- A MINIMUM OF 10 DAYS PRIOR TO THE NOTICE TO PROCEED, THE CONTRACTOR SHALL PROVIDE A LIST OF SUBCONTRACTORS AND MATERIAL SUPPLIERS TO THE ENGINEEERS.
- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SIGN THE SWPPP CERTIFICATION STATEMENT.
- ALL CONTRACTOR COSTS ASSOCIATED WITH THE REQUIREMENTS LISTED ON THIS SHEET SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNLESS A SPECIFIC PAY ITEM IS PROVIDED.

- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE WITH THE AIRPORT, RESIDENT ENGINEER, AND ILLINOIS DIVISION OF AERONAUTICS (IDA). THE COST OF PREPARING FOR AND ATTENDING THE PRECONSTRUCTION CONFERENCE SHALL BE INCIDENTAL TO THE CONTRACT.
- ON OR BEFORE THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT A PROPOSED SCHEDULE FOR THE PROJECT. THE SCHEDULE SHALL INCLUDE A START AND COMPLETION DATE FOR EACH ITEM OF WORK. THE SCHEDULE SHALL BE UPDATED ON A WEEKLY BASIS. ALL COSTS ASSOCIATED WITH THE SCHEDULE SHALL BE INCIDENTAL TO THE CONTRACT.
- DURING CONSTRUCTION THE CONTRACTOR SHALL ATTEND A WEEKLY COORDINATION MEETING WITH THE AIRPORT STAFF AND RESIDENT ENGINEER. ALL COSTS ASSOCIATED WITH ATTENDING THE WEEKLY MEETING SHALL BE INCIDENTAL TO THE CONTRACT
- IT IS ANTICIPATED THAT THE AIRPORT MAY HAVE OTHER CONSTRUCTION PROJECTS ONGOING THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE/PHASING CLOSELY WITH OTHER CONTRACTORS PRIOR TO THE START OF CONSTRUCTION THE AIRPORT WILL HAVE THE FINAL SAY REGARDING ALL CONSTRUCTION SCHEDULING AND PHASING.

# 3. PHASING

- TOTAL CONTRACT TIME SHALL BE 204 CALENDAR DAYS
- PHASING SHALL BE AS NOTED BELOW AND AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN (CAP) SHEETS
- DRIVERS OF TRUCKS CONTAINING MATERIAL DELIVERIES (AGGREGATE, ASPHALT, ETC.) NEED NOT OBTAIN AN AIRPORT ID BADGE BUT SHALL BE REQUIRED TO SUBMIT THEIR NAME DRIVER'S LICENSE NUMBER, TRUCK LICENSE PLATE NUMBER AND NAME OF TRUCKING COMPANY TO THE PRIME CONTRACTOR PRIOR TO ENTERING THE JOBSITE

#### 4. AREAS AND OPERATIONS AFFECTED BY THE CONSTRUCTION ACTIVITY

- ALL RUNWAYS, TAXIWAYS AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED ON THE PHASING PLAN.
- WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT.
- ALL CONSTRUCTION TRAFFIC SHALL IMMEDIATELY YIELD TO ONCOMING AIRCRAFT AT ALL TIMES

#### 5. CONTRACTOR ACCESS

- CONTRACTOR ACCESS SHALL BE AS NOTED BELOW AND AS SHOWN ON THE SITE PLAN AND CONSTRUCTION ACTIVITY PLAN
- THE CONTRACTOR IS TO ACCESS THE SITE USING THE FARM
- CONTRACTOR WORK CREWS MUST MONITOR THE UNICOM AT ALL TIMES WHEN INSIDE THE AIRPORT OPERATIONS AREA (AOA). THE CONTRACTOR SHALL SUPPLY ALL APPROPRIATE RADIOS NEEDED FOR COMMUNICATIONS. BE AWARE OF TENANT AIRCRAFT MOVEMENT NEAR THE WORK AREAS.
- THE CONTRACTORS STORAGE AND STAGING AREA WILL BE AS
- THE CONTRACTOR SHALL KEEP A RECORD OF THE NAMES OF ALL EMPLOYEES ENTERING THE JOB SITE ON A DAILY BASIS. A RECORD OF EACH SUBCONTRACTOR ENTERING THE JOB SITE SHALL ALSO BE KEPT BY THE CONTRACTOR
- WHEN THE CONTRACTOR IS NOT WORKING, EQUIPMENT SHALL BE STORED AT THE STAGING AREA.
- THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS ONLY AT THE LOCATIONS SHOWN. PARKED EQUIPMENT AND MATERIAL STOCKPILES SHALL NOT PENETRATE SURFACES DEFINED BY F.A.R. TITLE 14 PART 77 - OBJECTS AFFECTING NAVIGABLE AIRSPACE.
- THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL CONSTRUCTION AREAS AND HAUL ROUTES WHICH WILL BE OPENED TO AIR TRAFFIC TO THE SATISFACTION OF AIRPORT OPERATIONS OR THE RESIDENT ENGINEER. A POWER BROOM AND OPERATOR SHALL BE ON SITE AT ALL TIMES WHEN ACTIVE PAVEMENTS ARE UTILIZED FOR CONSTRUCTION TRAFFIC
- ALL PAVEMENTS, DRIVES OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED TO THE SAME CONDITION OR BETTER THAN THEY WERE PRIOR TO BEGINNING CONSTRUCTION, NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR
- ALL VEHICLE AND FOUIPMENT OPERATORS USED BY THE CONTRACTOR SHALL BE PROPERLY TRAINED BY THE

#### 6. WILDLIFE MANAGEMENT

- THE CONTRACTOR SHALL NOTIFY AIRPORT OPERATIONS OR THE RESIDENT ENGINEER IF ANY WILDLIFE IS SEEN ENTERING THE
- CONTRACTOR ACCESS GATES SHALL REMAIN CLOSED WHEN THE CONTRACTOR IS NOT WORKING
- THE CONTRACTOR SHALL DISPOSE OF ALL TRASH INCLUDING FOOD SCRAPS IN APPROVED CONTRACTOR PROVIDED

#### 7. FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT

- THE CONTRACTOR SHALL PICK UP ANY FOREIGN OBJECT DEBRIS (FOD) SEEN ON THE AIRFIELD PAVEMENTS.
- THE CONTRACTOR SHALL SECURE ALL LOOSE ITEMS FROM VEHICLES PRIOR TO DRIVING ON AIRFIELD PAVEMENTS.

#### 8. HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT

THE CONTRACTOR SHALL DEVELOP A HAZMAT MANAGEMENT PLAN AND KEEP COPIES ON THE JOBSITE OF MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL MATERIALS HANDLED ON THE JORSITE

#### 9. NOTIFICATION OF CONSTRUCTION ACTIVITIES

- THE CONTRACTOR SHALL PROVIDE A 24 HOUR EMERGENCY CONTACT PERSON AND PHONE NUMBER
- THE CONTRACTOR SHALL GIVE A MINIMUM OF 72 HOURS NOTICE TO AIRPORT OPERATIONS PRIOR TO CLOSING ANY PAVEMENTS SO THAT PROPER NOTAMS MAY BE ISSUED BY THE AIRPORT.
- FOR ANY EQUIPMENT USED BY THE CONTRACTOR WITH A HEIGHT GREATER THAN 25'. THE CONTRACTOR SHALL PROVIDE TO THE AIRPORT THE TYPE OF EQUIPMENT, TOTAL HEIGHT, AND LOCATION WHERE THE EQUIPMENT WILL BE USED. THE AIRPORT WILL SUBMIT FAA FORM 7460-1 TO THE FAA FOR AN AIRSPACE STUDY. NO EQUIPMENT WITH A HEIGHT GREATER THAN 25' SHALL BE USED UNTIL A DETERMINATION FROM FAA IS RECEIVED.
- IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL CALL 911 AND SAFFTY
- CONTACTS FOR THIS PROJECT ARE AS DISCUSSED IN THE PRE-CONSTRUCTION MEETING.

#### 10. INSPECTION REQUIREMENTS

- THE CONTRACTOR SHALL INSPECT THE JOBSITE DAILY TO ENSURE COMPLIANCE WITH THE CSPP. THE CHECKLIST FOUND IN APPENDIX 3 OF FAA AC 150/5370-2G MAY BE USED TO AID IN THE
- THE CONTRACTOR AND AIRPORT SHALL ATTEND AN INSPECTION OF EACH PHASE WORK AREA PRIOR TO OPENING THE AREA TO AIRPORT OPERATIONS.

#### 11. UNDERGROUND UTILITIES

- IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS. ANY LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY IN RESPECT TO THE ACCURACY, COMPLETENESS OR SUFFICIENCY OF THE INFORMATION.
- REFORE INITIATING ANY DIGGING DRILLING OR EXCAVATING ON THE AIRPORT PROPERTY, THE CONTRACTOR SHALL CALL J.U.L.I.E. AND CONTACT THE LOCAL FAA OFFICE TO ARRANGE FOR UTILITY LOCATES. SEE SECTION 70-17 OF THE SPECIAL PROVISIONS FOR UTILITY CONTACT INFORMATION.

#### 12. PENALTIES

NONCOMPLIANCE BY THE CONTRACTOR WITH AIRPORT RULES AND REGULATIONS OR FAILURE TO COMPLY WITH THE AIRPORT'S APPROVED CSPP AND THE CONTRACTOR'S APPROVED SPCD MAY RESULT IN FINES AS ALLOWED BY LAW

# 13. SPECIAL CONDITIONS

ADJACENT CONSTRUCTION MAY IMPACT THE OPERATIONS OF THE CONTRACTOR. SEE THE COORDINATION NOTES FOR ADDITIONAL INFORMATION

#### 14. RUNWAY AND TAXIWAY VISUAL AIDS

- THE CONTRACTOR SHALL USE MARKING, LIGHTING, AND SIGNS THAT FOLLOW THE REQUIREMENTS OF FAA AC 150/5370-2G.
- BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEET.

#### 15. MARKING AND SIGNS FOR ACCESS ROUTES

BARRICADES AND SIGNS SHALL BE USED ALONG THE CONTRACTOR'S ACCESS ROUTE AS DETAILED ON THE CONSTRUCTION ACTIVITY PLAN SHEET

#### 16. HAZARD MARKING AND LIGHTING

- THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN MARKINGS AND ASSOCIATED LIGHTING OF OPEN TRENCHES, EXCAVATIONS, TEMPORARY STOCKPILES, AND HIS/HER CONSTRUCTION EQUIPMENT.
- ALL CONSTRUCTION EQUIPMENT SHALL BE FLAGGED AND/OR LIGHTED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2G AND 150/5210-5D AT ALL TIMES WHILE OPERATING ON AIRPORT PROPERTY. THE MAXIMUM EQUIPMENT HEIGHT IS 25'.
- BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEET OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL INSPECT THE BARRICADES ONCE DURING EACH WORK DAY TO INSURE PROPER PLACEMENT AND PROPER OPERATION OF THE RED LIGHTS AND FLAG PLACEMENT.

#### 17. PROTECTION

- ALL WORK REQUIRED ON AN ACTIVE TAXIWAY/TAXILANE OR INSIDE OF AN ACTIVE TAXIWAY/TAXILANE OBJECT FREE AREA, WHICH EXTENDS 65.5'/57.5' FROM THE TAXIWAY CENTERLINE, WILL REQUIRE THE TAXIWAY TO BE CLOSED. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 72 HOURS PRIOR TO THE REQUESTED CLOSURE TIME.
- ALL WORK REQUIRED INSIDE OF THE BUNWAY 18/36 SAFETY AREAS, WHICH EXTENDS 75' FROM THE RUNWAY CENTERLINE, WILL REQUIRE THE RUNWAY TO BE CLOSED. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 10 CALENDAR DAYS PRIOR TO THE REQUESTED CLOSURE TIME.

# 18. OTHER LIMITATIONS ON CONSTRUCTION

- IF DURING CONSTRUCTION, AN EMERGENCY IS DECLARED BY THE AIRPORT, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE PAVEMENT OF ALL VEHICLES, PERSONNEL AND EQUIPMENT.
- BROKEN CONCRETE, BROKEN ASPHALT, AND OTHER MISCELLANEOUS DEBRIS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS OTHERWISE SPECIFIED.



nse No. 184-00061:

MARCH 1, 2019

**REHAB T-HANGAR TAXILANES CONSTRUCT NEW T-HANGAR &** PAVEMENT, REHAB HANGAR 1



SPARTA COMMUNITY AIRPORT SPARTA. IL

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MARK	DATE	DESCRIPTION	
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AIP PROJ. NO: 3-17-SBGP-111/120/133/139 L. PROJ. NO. SAR-4583 CAD DWG FILE: SAR4583-1641203-GC501.DWG DESIGNED BY: DRAWN BY:

CBG

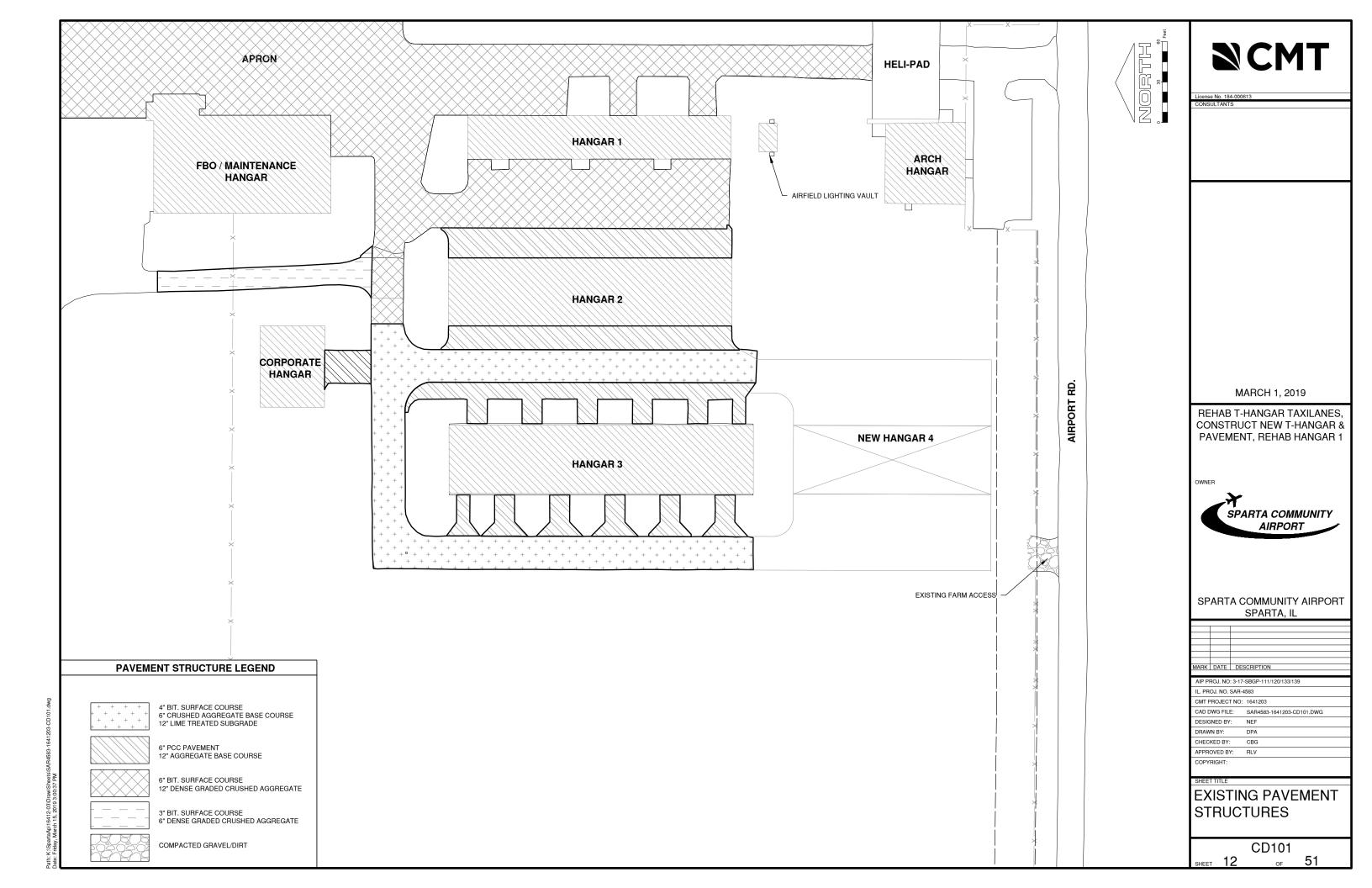
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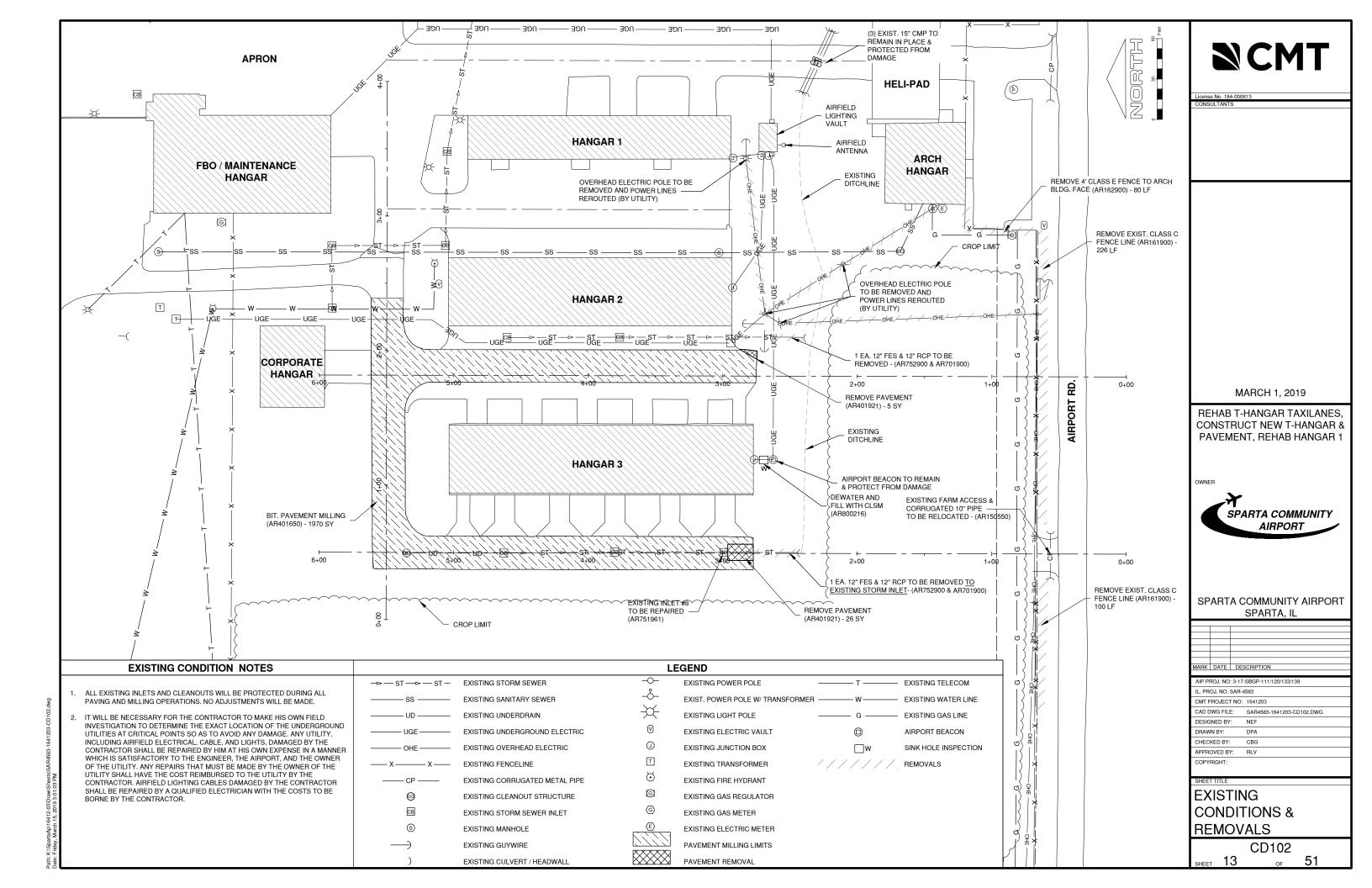
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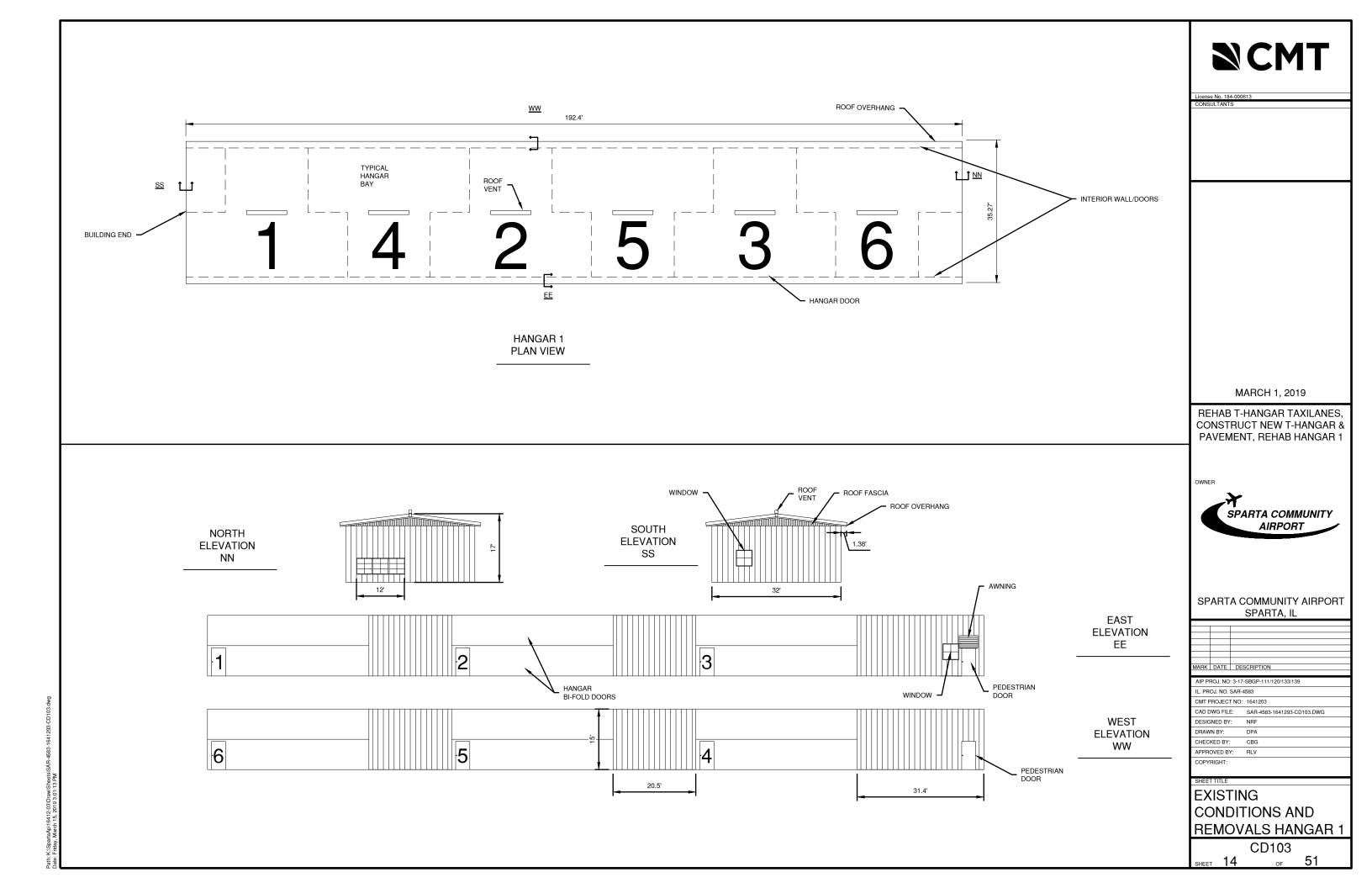
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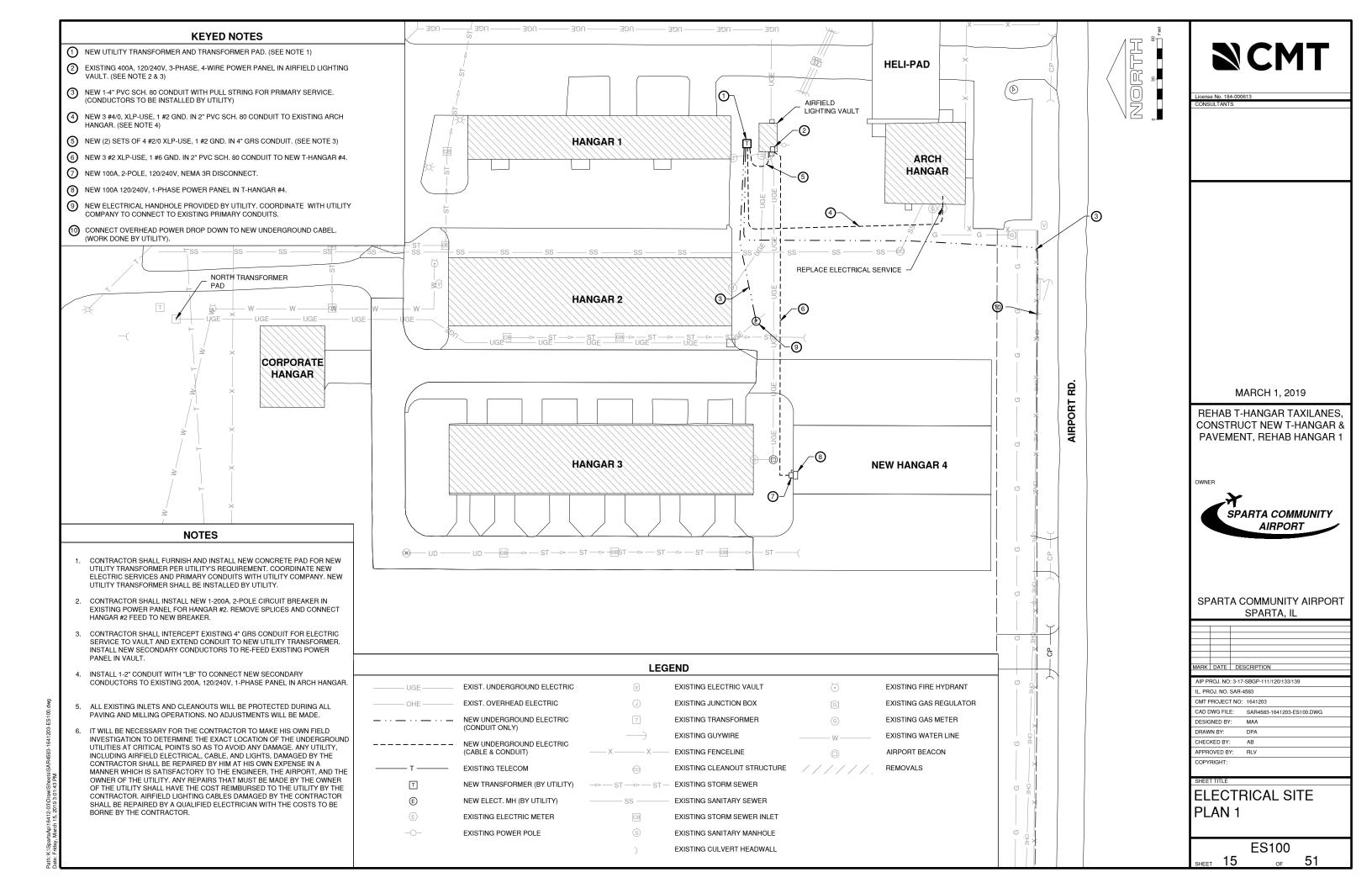
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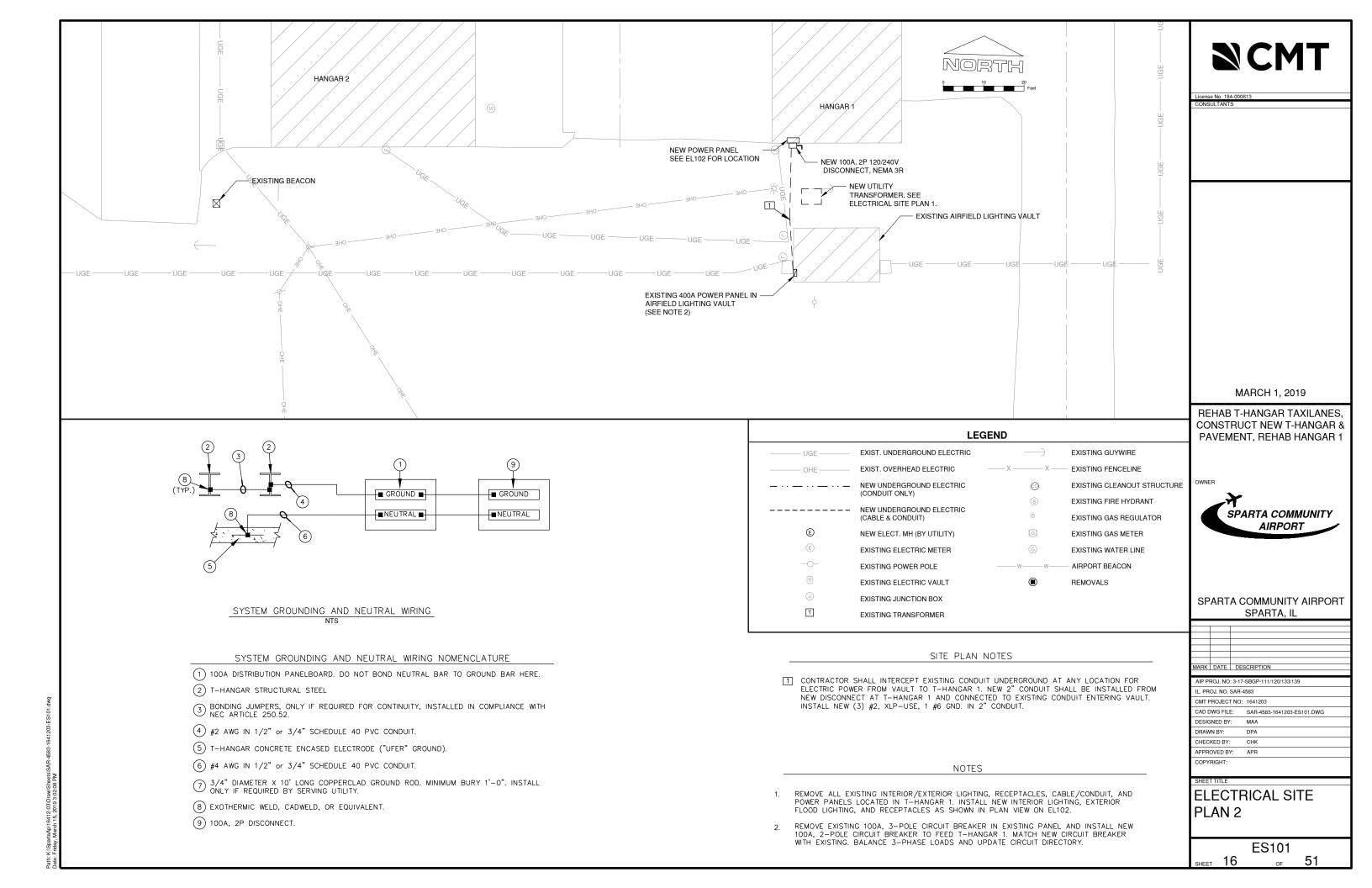
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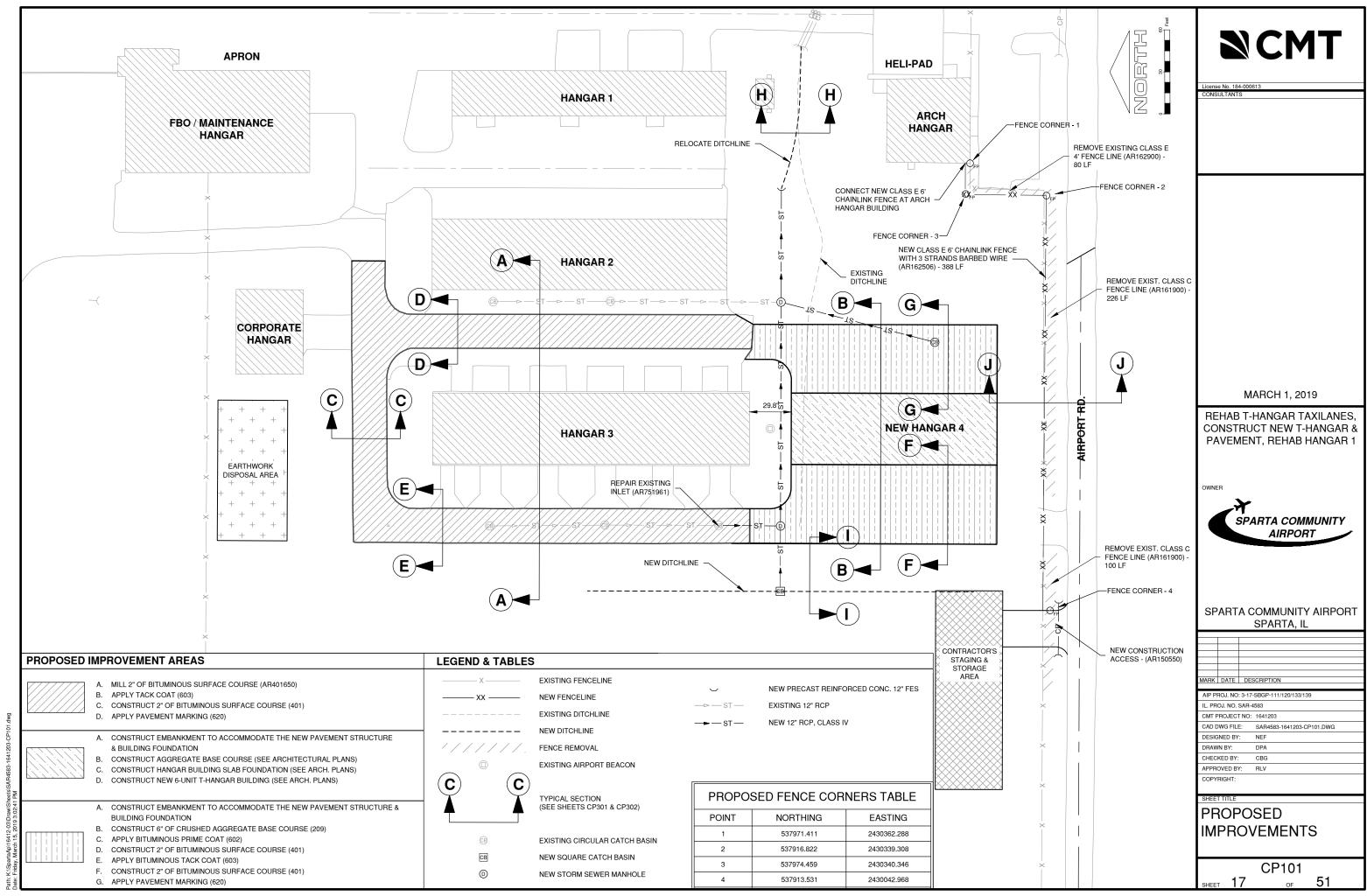


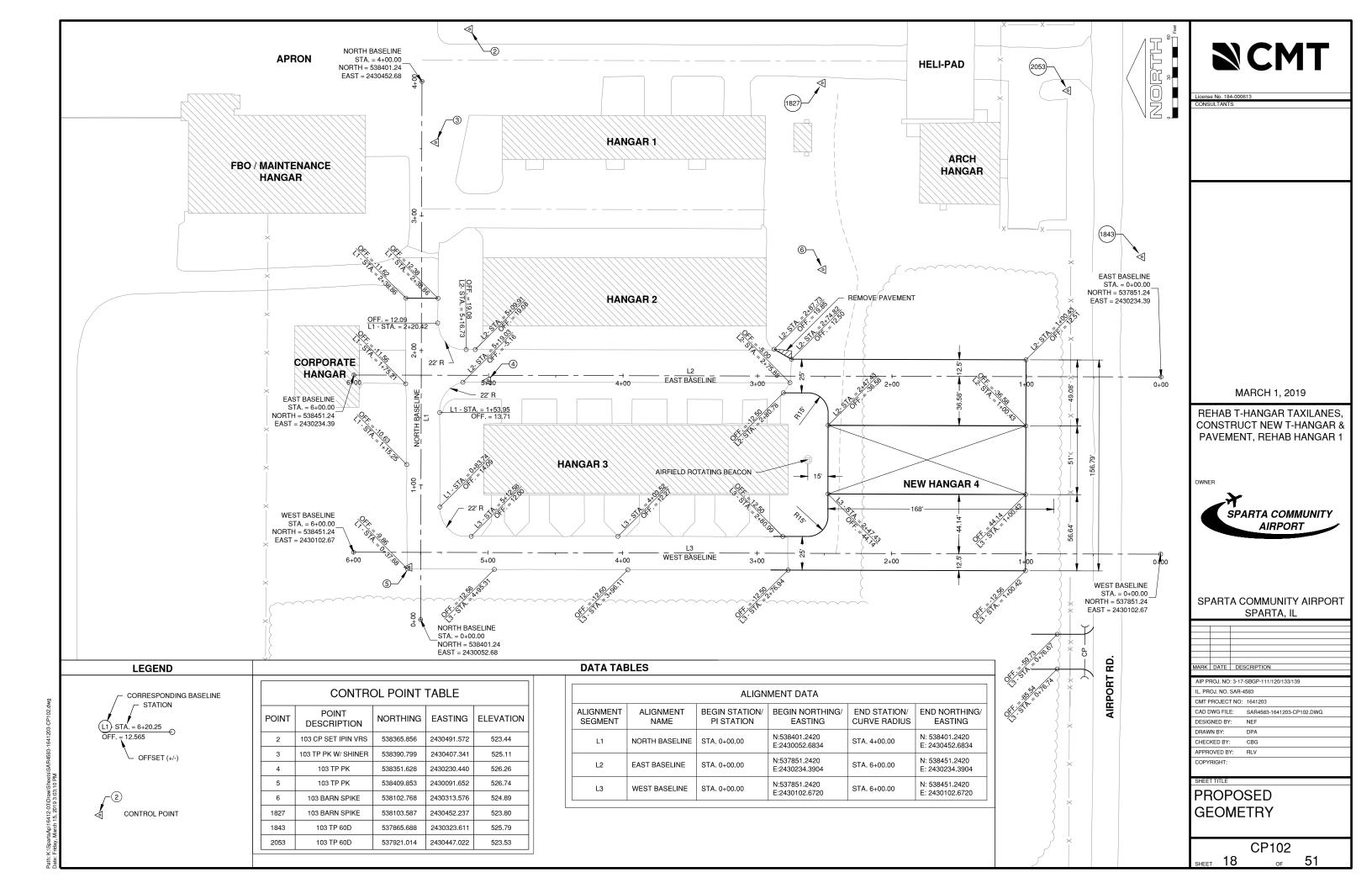


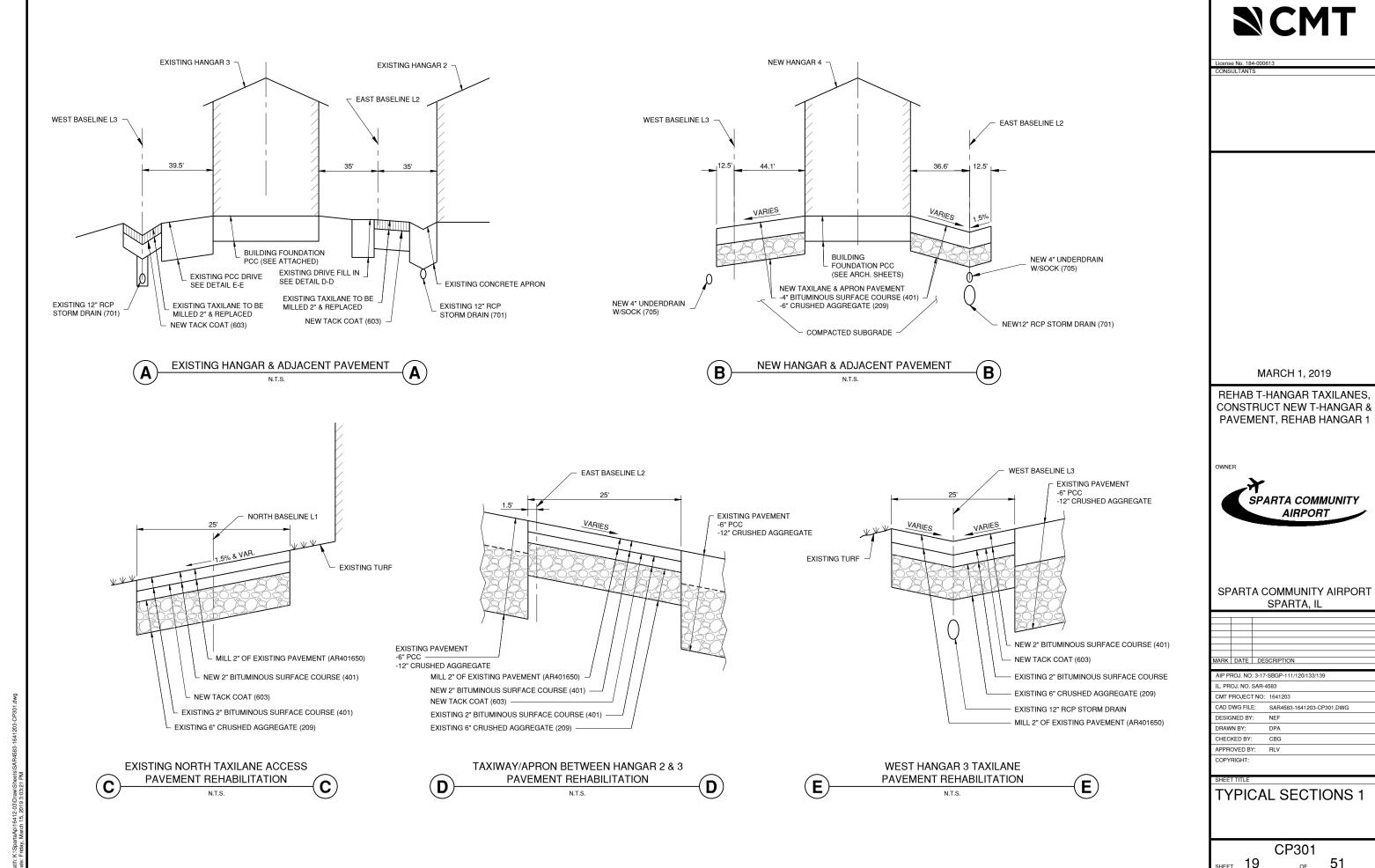


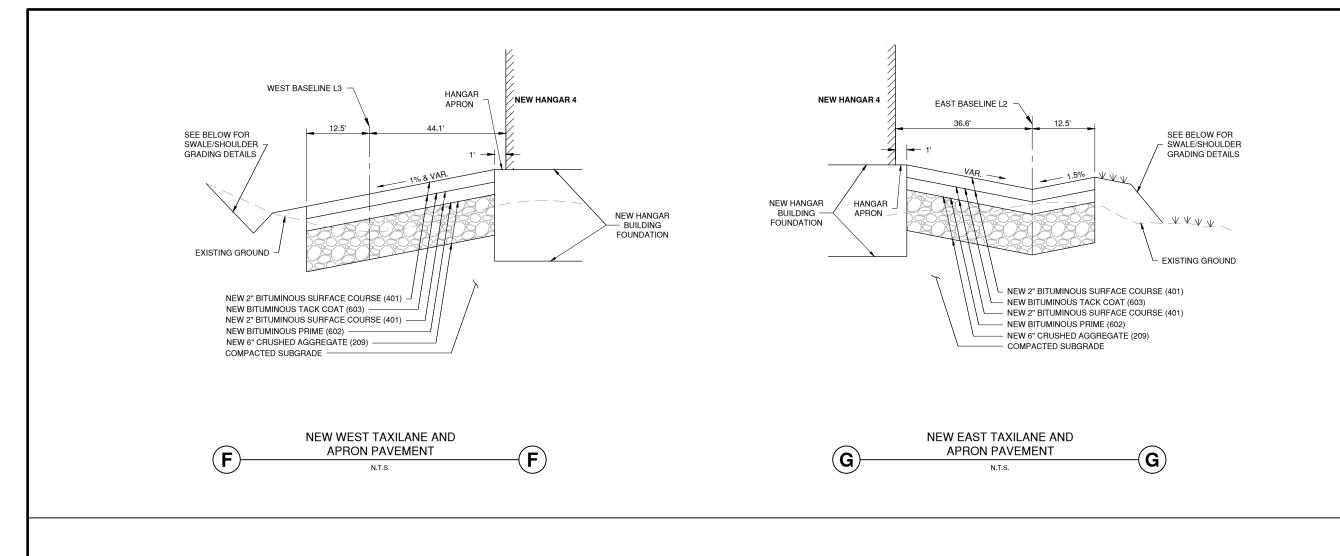














MARCH 1, 2019

REHAB T-HANGAR TAXILANES CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

NOTES:

1. AFTER GRADING IS COMPLETE COVER

DO NOT CHANGE ELEVATION OF

STRAW MAT & SEEDING.

AFFECTED GROUND WITH KNITTED

EXISTING BERM TO BE LOWER THAN THE

RESIDENT ENGINEER, THE CONTRACTOR

WILL RE-GRADE THE AREA TO EXCEED

THE ELEVATION OF AIRPORT ROAD.

3. FOR TYPICAL SECTION LOCATIONS, SEE

4. CONTRACTOR SHALL CONTACT UTILITY

PRIOR TO CONSTRUCTING EMBANKMENT

PLAN SHEET CU101.

WITHIN GAS EASEMENT.

CENTERLINE ELEVATION OF AIRPORT

ROAD. IF ELEVATION OF BERM IS DETERMINED TO BE TO LOW BY THE



SPARTA COMMUNITY AIRPORT SPARTA, IL

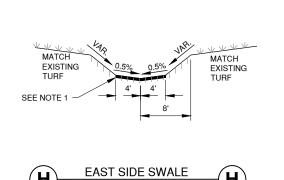
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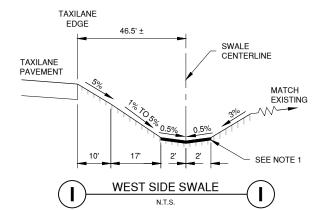
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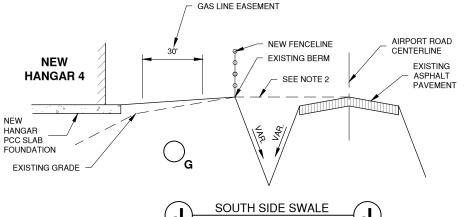
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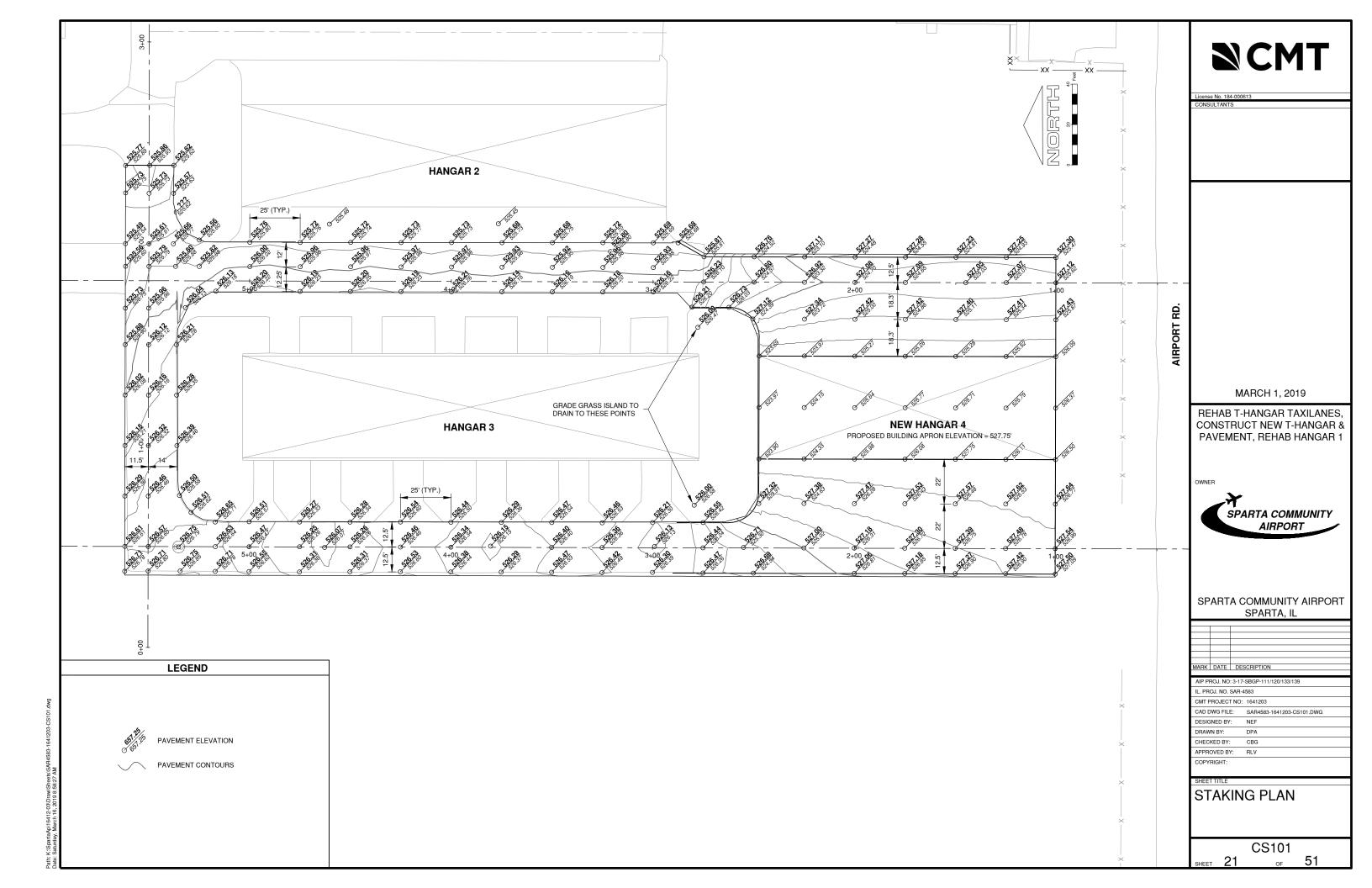
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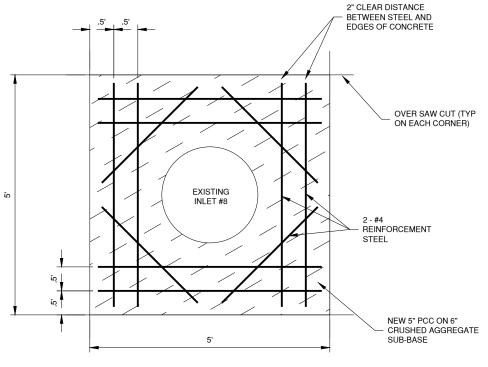
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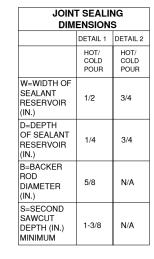


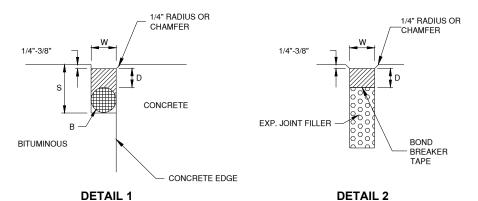






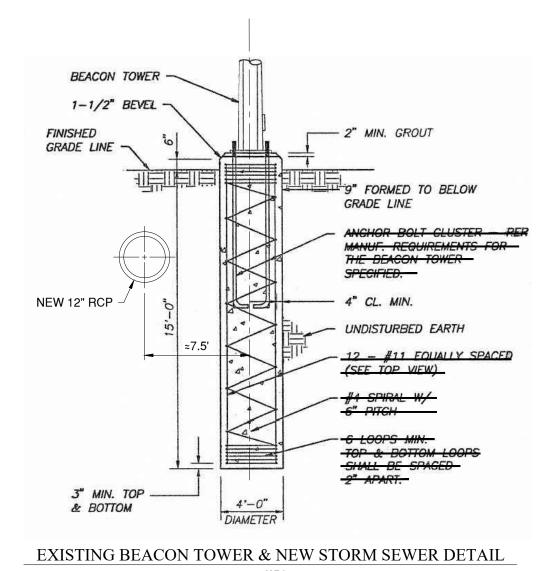






#### **JOINT NOTES**

- ALL EDGES OF NEW SLABS, FREE STANDING OR CLOSURE, SHALL BE EDGED WITH AN APPROVED TOOL HAVING A RADIUS OF 1/8" TO 1/4" TO FACILITATE SAWING OF THE SEALANT RESERVOIR. A RADIUS > 1/4" WILL NOT BE ACCEPTABLE.
- 2. SAW CUT FOR JOINT SEALANT SHALL BE CONSTRUCTED IN THE BITUMINOUS PAVEMENT MATERIAL ADJACENT TO THE PCC PAVEMENT.
- 3. EXPANSION JOINT MATERIAL SHALL BE PLACED
  AROUND FRAME PRIOR TO CONCRETE POUR



MARCH 1, 2019

License No. 184-000613 CONSULTANTS

REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

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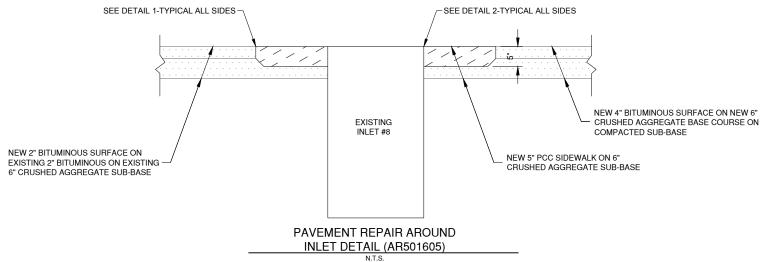
SPARTA COMMUNITY AIRPORT SPARTA, IL

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CMT PROJECT NO:			1641203				
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CHEC	KED BY:		CBG				
APPR	OVED BY	<b>/</b> :	RLV				

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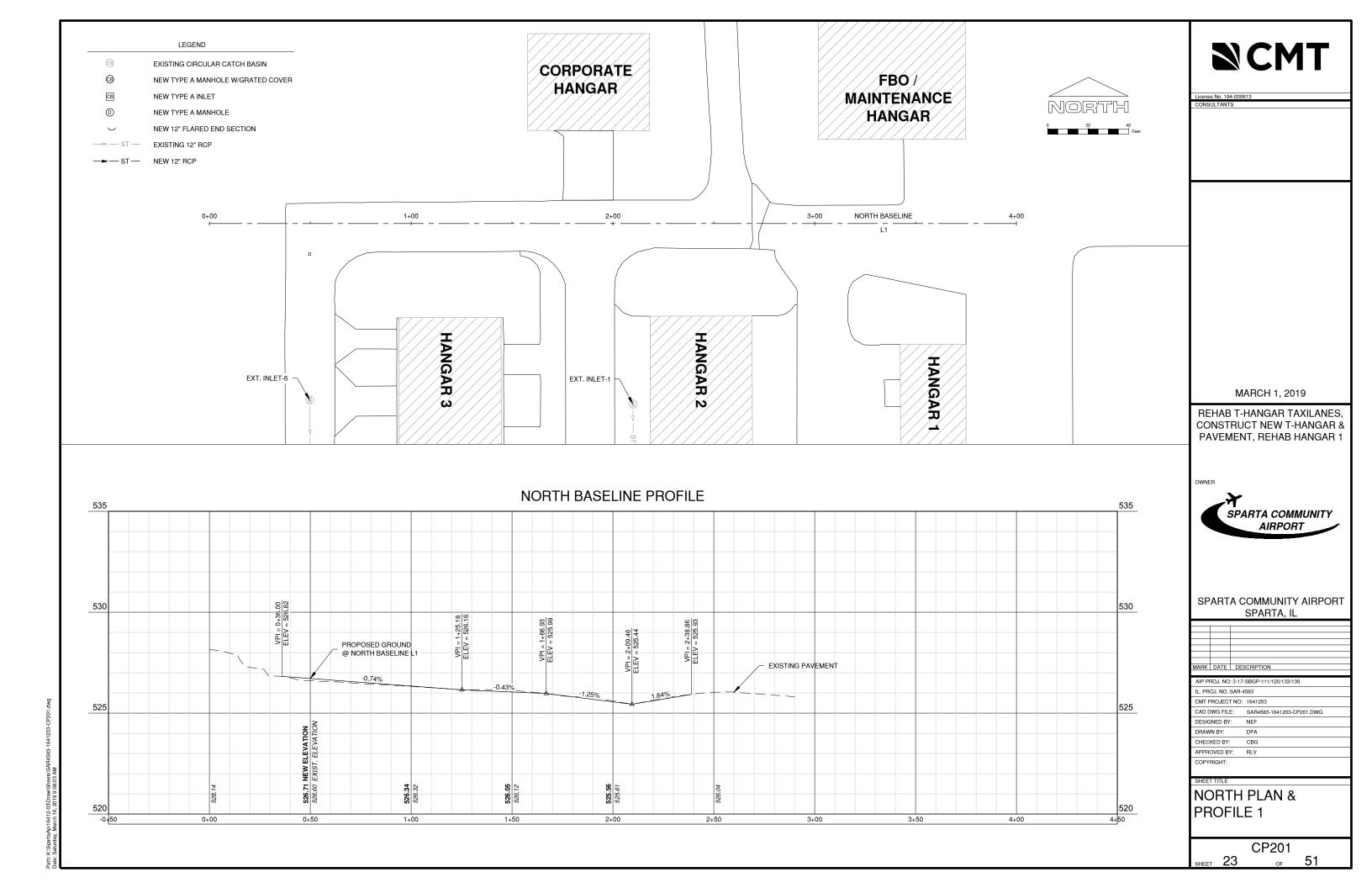
PAVING &
MISCELLANEOUS
DETAILS

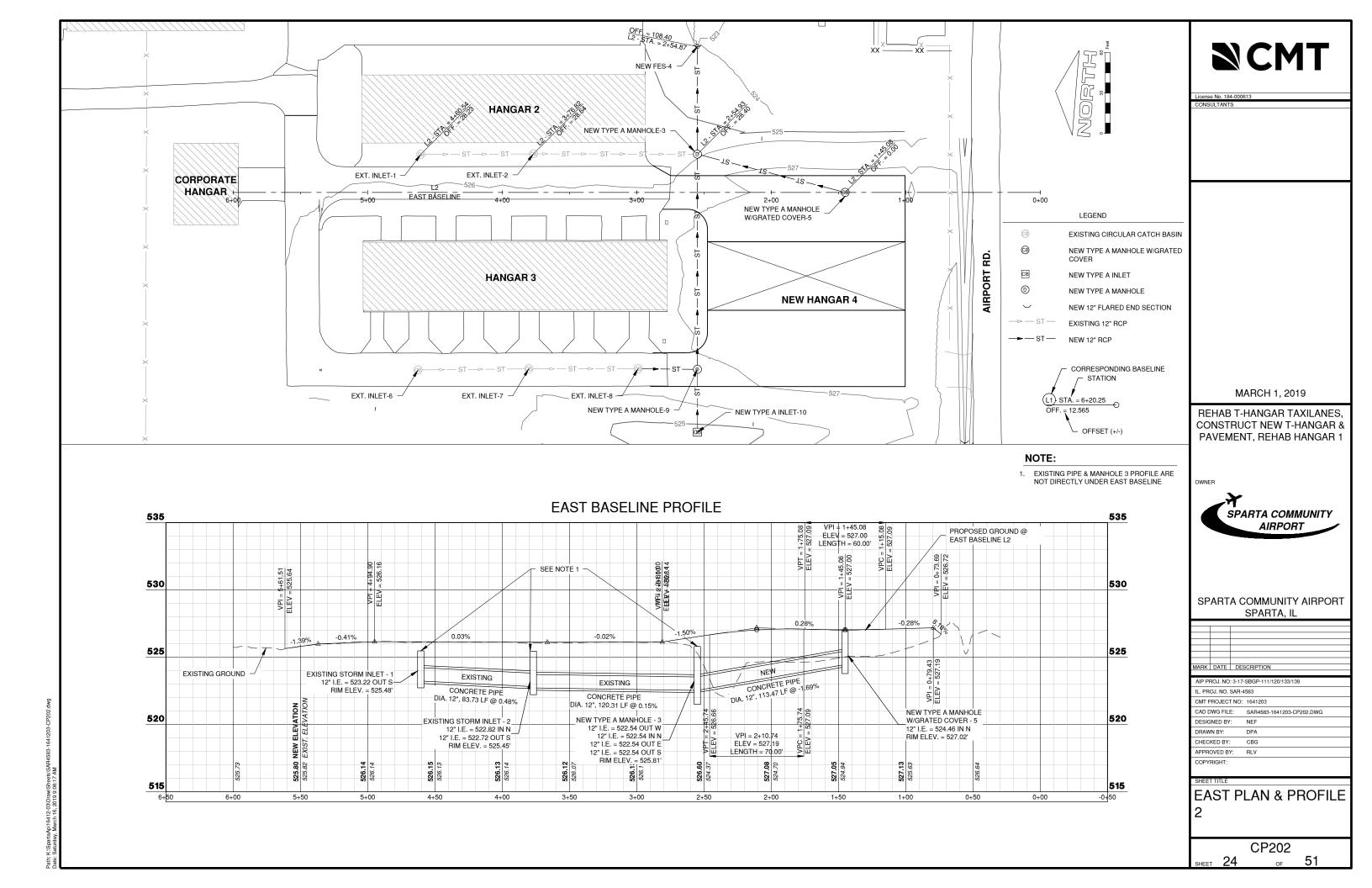
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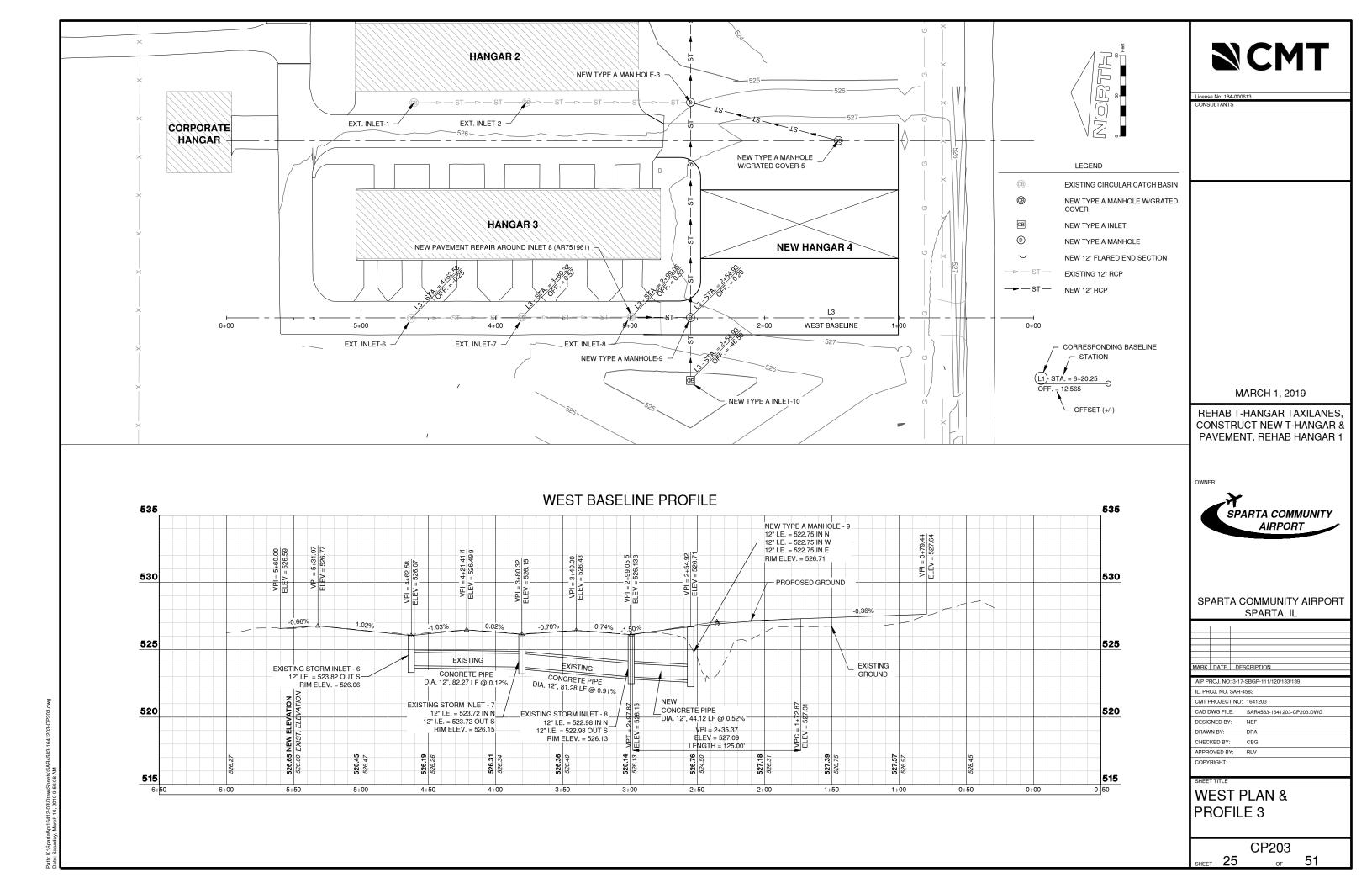


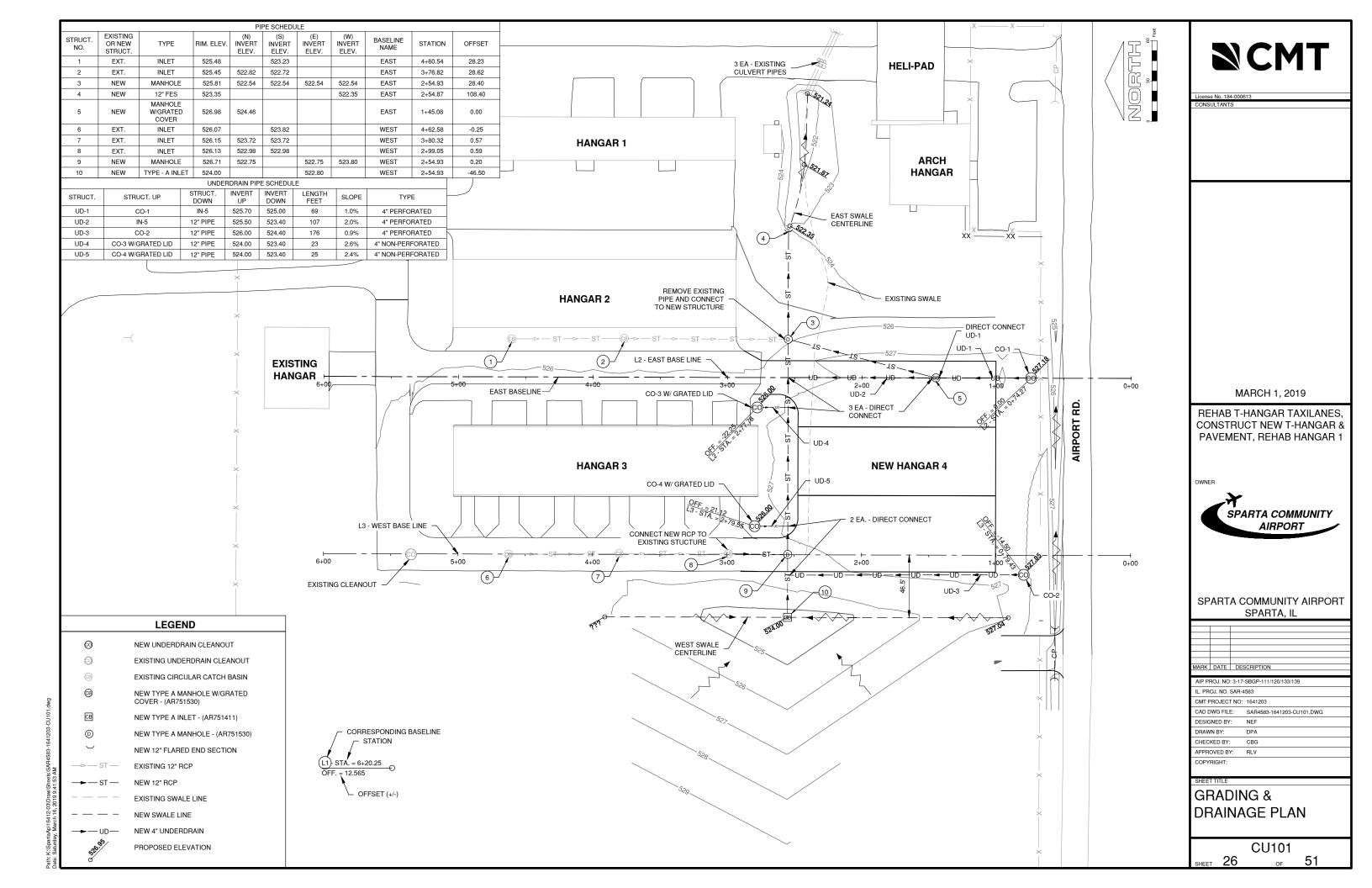
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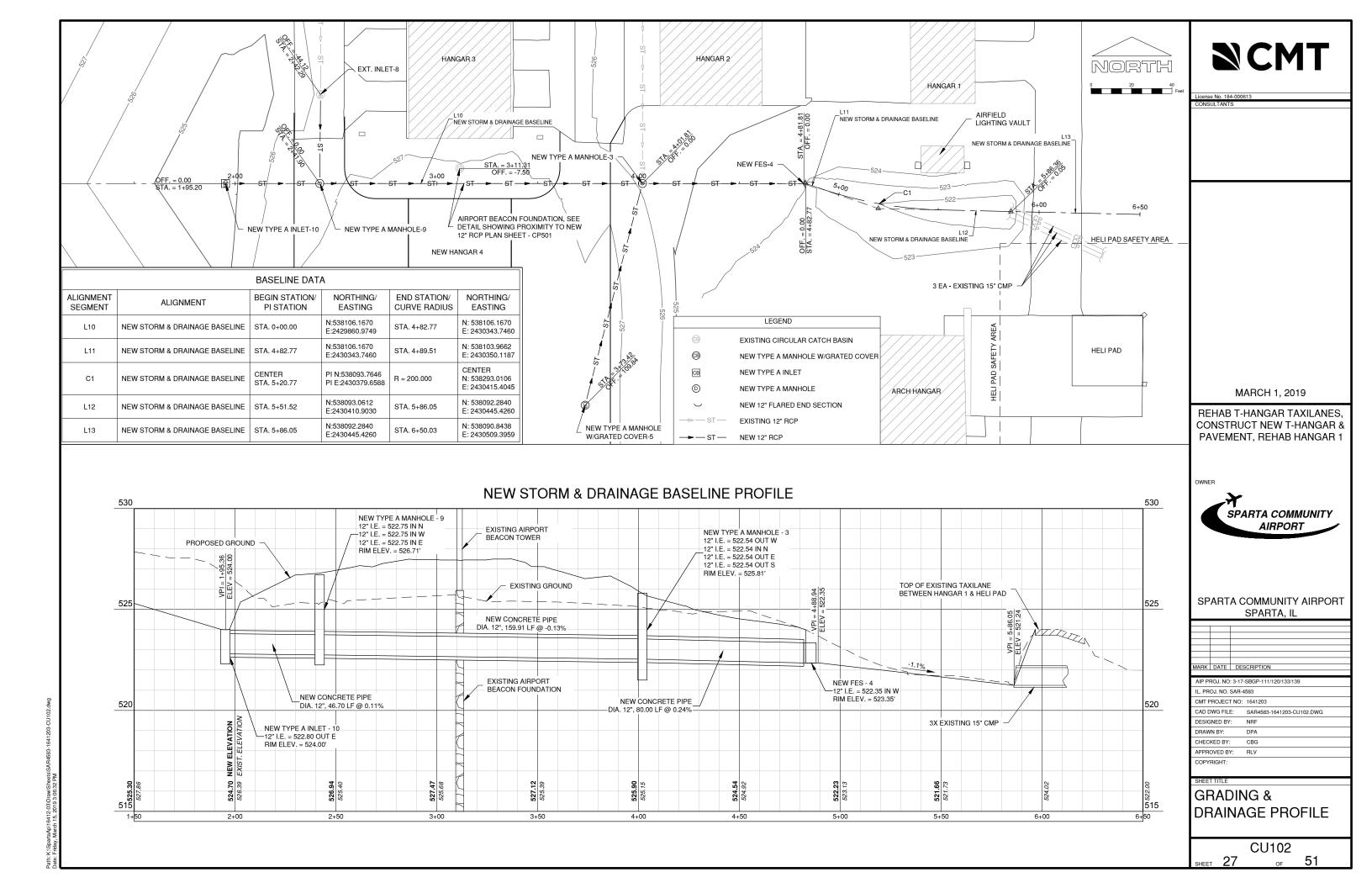
- PAVEMENT REPAIR WILL BE PERFORMED AROUND EXISTING INLET #8
   WHICH IS CALLED OUT ON WEST PLAN & PROFILE 3 SHEET CP203.
- 2. PAVING OF NEW BITUMINOUS SURFACE SHALL BE COMPLETED AND FINISHED TO EDGE OF INLET PRIOR TO CONSTRUCTING THIS DETAIL.
- 3. A 5'x5' SQUARE CENTERED ON THE INLET/MANHOLE SHALL BE SAW CUT AND REMOVE THE 4" BITUMINOUS LAYER.
- 4. REMOVE ADDITIONAL 2" OF EXISTING AGGREGATE SUBBASE. USE CARE TO NOT UNDERMINE NEW BITUMINOUS PAVEMENT SURFACE.
- 5. PLACE EXPANSION JOINT MATERIAL AROUND INLET FRAME.
- PLACE STEEL AS SHOWN IN THE DETAIL AND PLACE 5" PCC LAYER. REBAR SHALL BE PLACED AT A DEPTH OF T/2, T = THICKNESS OF PCC PAVEMENT. KEEP 2" CLEAR DISTANCE BETWEEN REBAR AND EDGES OF PCC PAVEMENT.
- 7. ENSURE THAT GRADES ARE MET ALONG EXISTING EDGES AND INLET WHILE FINISHING THE CONCRETE.
- AFTER CONSTRUCTION CONCRETE LAYER, SAW CUT THE BITUMINOUS
  PAVEMENT ALONG THE EDGE OF THE CONCRETE. DIMENSIONS OF SAW
  CUT ARE SHOWN IN THE DETAIL.
- PLACE BACKER ROD AND SEAL WITH JOINT SEALANT AS CALLED OUT IN THE SPECIAL PROVISIONS. DETAIL OF JOINT IS SHOWN ON THIS SHEET. JOINT SHALL BE SAWED IN BITUMINOUS PAVEMENT ADJACENT TO THE PCC PAVEMENT.

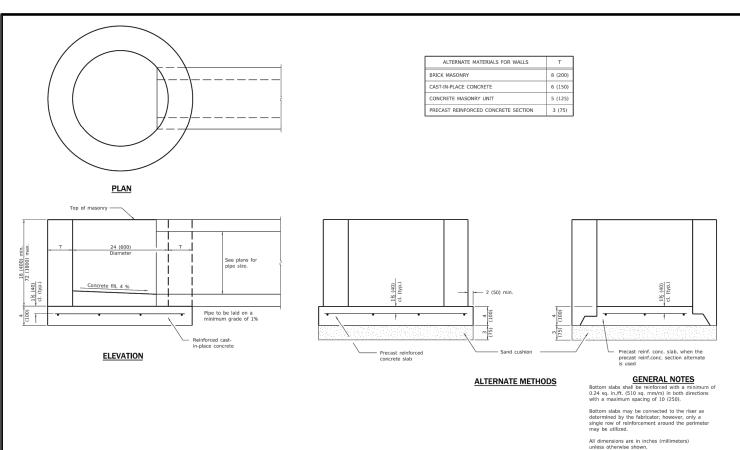


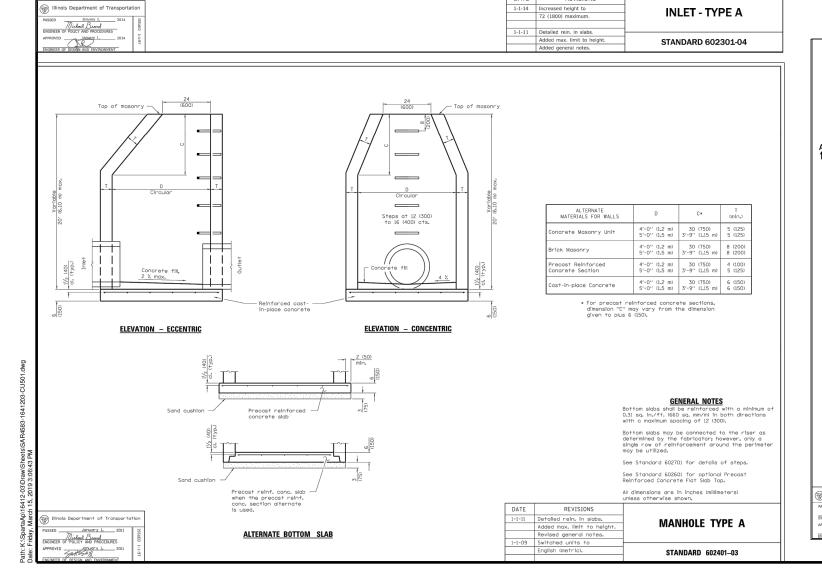


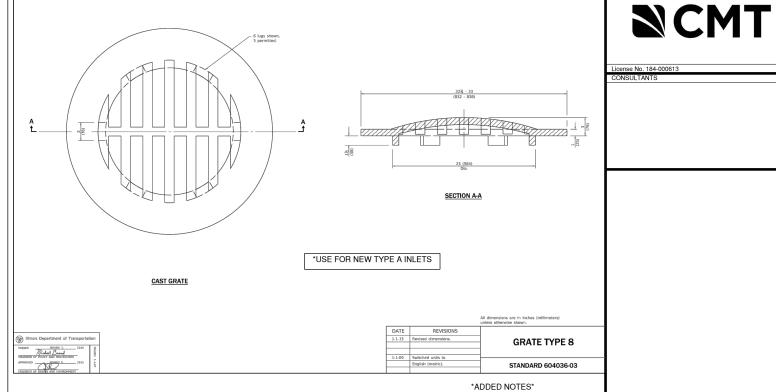


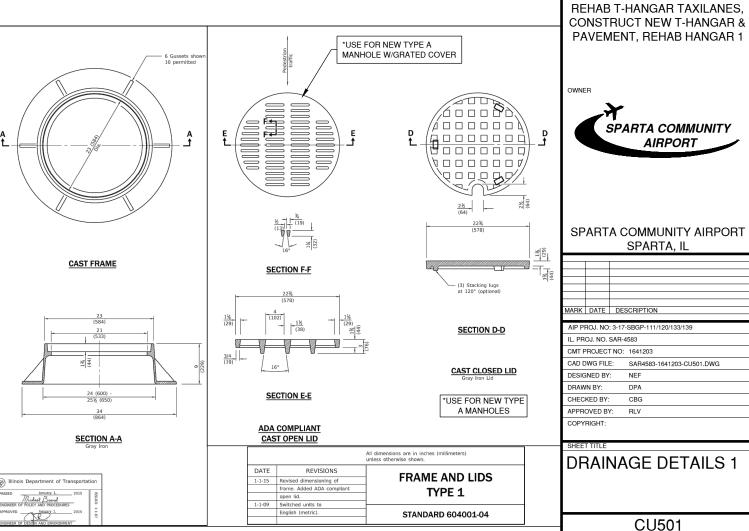










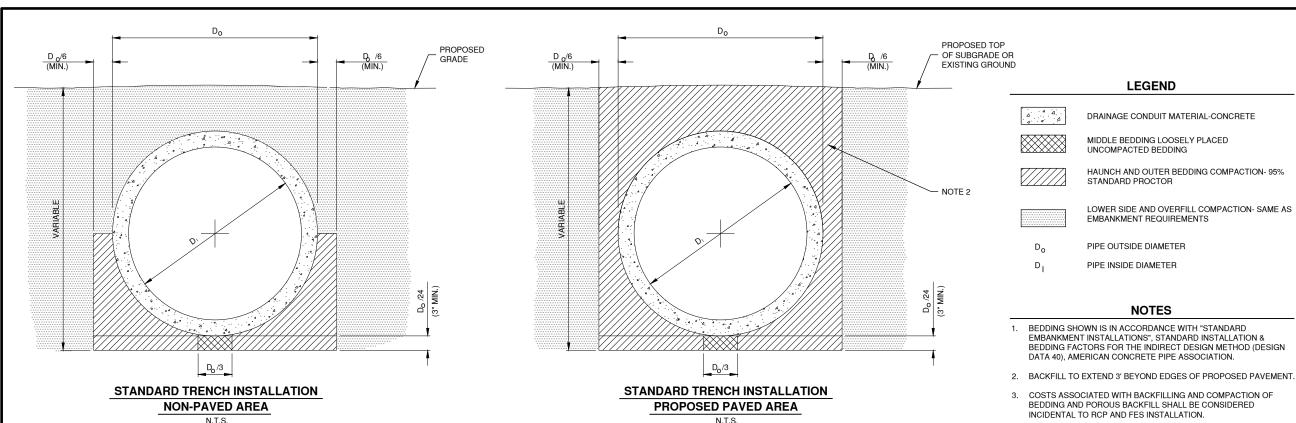


\*ADDED NOTES\*

SHEET 28

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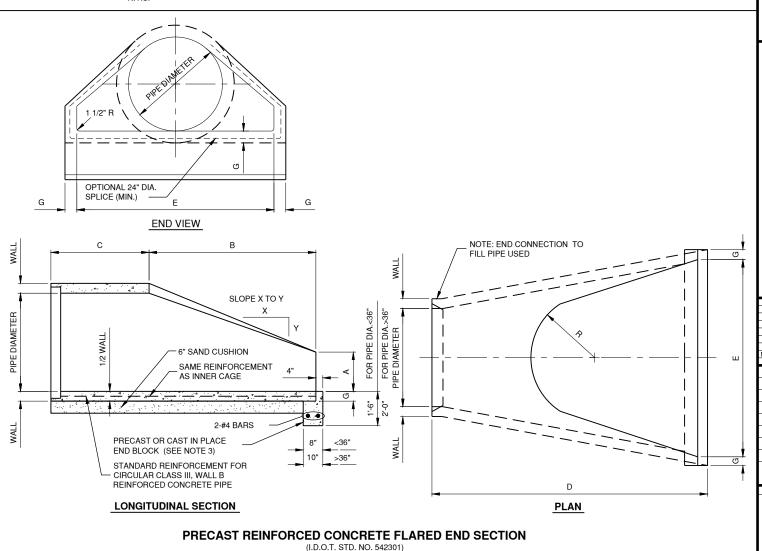
MARCH 1, 2019



	DIMENSIONS - TABLE 1									
PIPE DIA.	APPROX WT.(lbs.)	WALL	Α	В	С	D	Е	G	R	SLOPE
12"	530	2"	4"	2'-0"	4'-0 7/8"	6'-0 7/8"	2'-0"	2"	9"	3:1
15"	740	2 1/4"	6"	2'-3"	3'-10"	6'-1"	2'-6"	2 1/4"	11"	3:1
18"	990	2 1/2"	9"	2'-3"	3'-10"	6'-1"	3'-0"	2 1/2"	12"	3:1
21"	1280	2 3/4"	9"	2'-11"	3'-2"	6'-1"	3'-6"	2 3/4"	13"	3:1
24"	1520	3"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	3"	14"	3:1
27"	1930	3 1/4"	10 1/2"	4'-0"	2'-1 1/2"	6'-1 1/2"	4'-6"	3 1/4"	14 1/2"	3:1
30"	2190	3 1/2"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"	3 1/2"	15"	3:1
33"	3200	3 3/4"	1-1 1/2"	4'-10 1/2"	3'-3 1/4"	8'-1 3/4"	5'-6"	3 3/4"	17 1/2"	3:1
36"	4100	4"	1'-3"	5'-3"	2'-10 3/4"	8'-1 3/4"	6'-0"	4"	20"	3:1
42"	5380	4 1/2"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	4 1/2"	22"	3:1
48"	6550	5"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	5"	22"	3:1
54"	8240	5 1/2"	2'-3"	5'-5"	2'-11"	8'-4"	7'-6"	5 1/2"	24"	2.4:1
60"	8730	6"	2'-11"	5'-0"	3'-3"	8'-3"	8'-0"	5"	*	2:1
66"	10710	6 1/2"	2'-6"	6'-0"	2'-3"	8'-3"	8'-6"	5 1/2"	*	2:1
72"	12520	7"	3'-0"	6'-6"	1'-9"	8'-3"	9'-0"	6"	*	1.86:1
78"	14770	7 1/2"	3'-0"	7'-6"	1'-9"	9'-3"	9'-6"	6 1/2"	*	1.82:1
84"	18160	8"	3'-0"	7'-6 1/2"	1'-9"	9'-3 1/2"	10'-0"	6 1/2"	*	1.5:1
			*	RADIUS AS FUR	NISHED BY MAN	UFACTURER.	-			

# NOTES

- PRECAST CONCRETE FLARED END SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-170 CLASS III, WALL B REINFORCED CONCRETE PIPE.
- PRECAST CONCRETE FLARED END SECTION FOR PIPE DIAMETER REQUIRED SHALL BE AS INDICATED ON DETAIL PLAN FOR EACH INDIVIDUAL INSTALLATION.
- THE END BLOCK SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE FLARED END SECTION. THE END BLOCK SHALL BE BACKFILLED IN ACCORDANCE WITH ITEM 701.
- 4. FES SHALL INCLUDE A PROTECTION GRATE PER IDOT STD. 54234-03



N.T.S.

**NCMT** 

MARCH 1, 2019

REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

OWNER



SPARTA COMMUNITY AIRPORT SPARTA, IL

MARK DATE DESCRIPTION

AIP PROJ. NO: 3-17-SBGP-111/120/133/139

IL. PROJ. NO. SAR-4583

CMT PROJECT NO: 1641203

CAD DWG FILE: SAR4583-1641203-CU502.DWG

DESIGNED BY: NEF

CBG

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DRAWN BY:

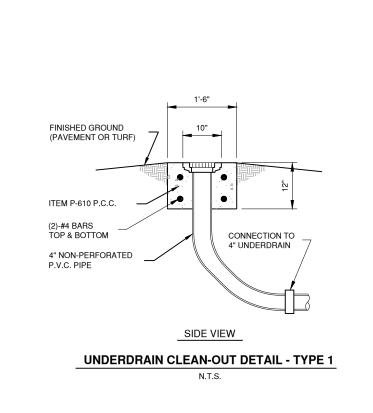
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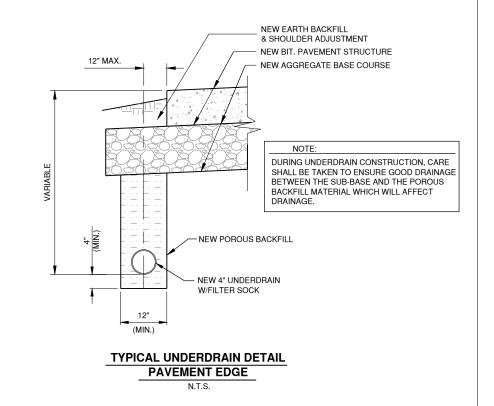
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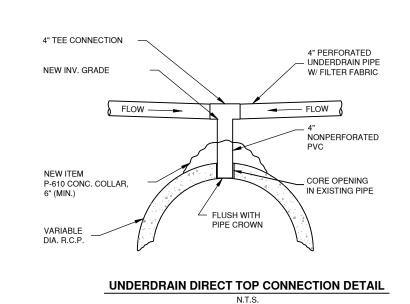
DRAINAGE DETAILS 2

CU502 HEET 29 OF 51

Path: K & Sparta And 6412-03\Draw\Sheete\SA B4583









License No. 184-00061

MARCH 1, 2019

REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

OWNER



SPARTA COMMUNITY AIRPORT SPARTA, IL

MARK DATE DESCRIPTION

AIP PROJ. NO: 3-17-SBGP-111/120/133/139

IL. PROJ. NO. SAR-4583

CMT PROJECT NO: 1641203

CAD DWG FILE: SAR4583-1641203-CU503.DWG

DESIGNED BY: NEF

DRAWN BY: DPA

CHECKED BY: CBG

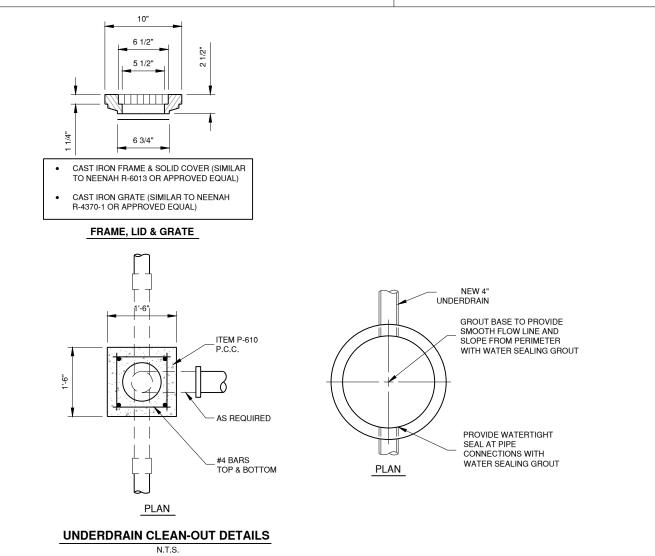
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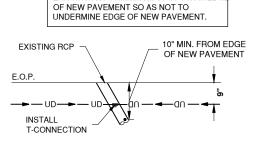
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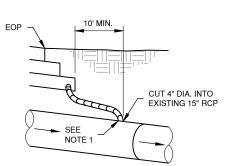
UNDERDRAIN DETAILS

CU503 <sub>SHEET</sub> 30 of 51





NOTE: CONNECT NEW UNDERDRAIN TO EXISTING RCP A MINIMUM OF 10' FROM EDGE

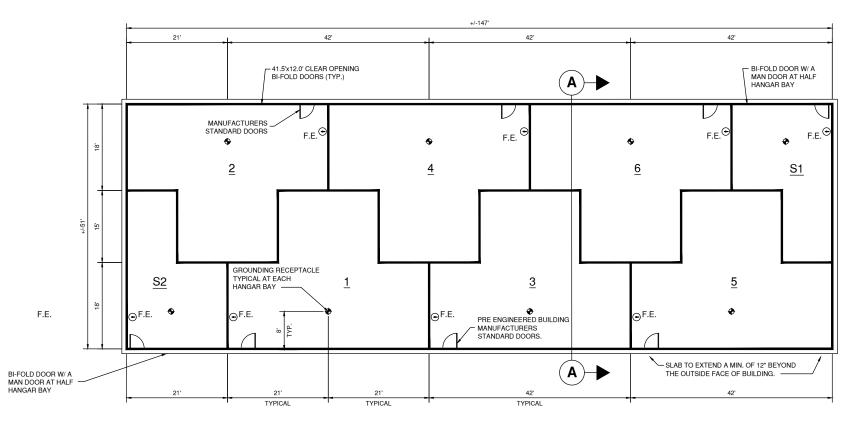


NOTE:

1. DIRECT CONNECTION SHALL BE INSTALLED A MINIMUM OF 5' FROM ANY EXISTING PIPE JOINT

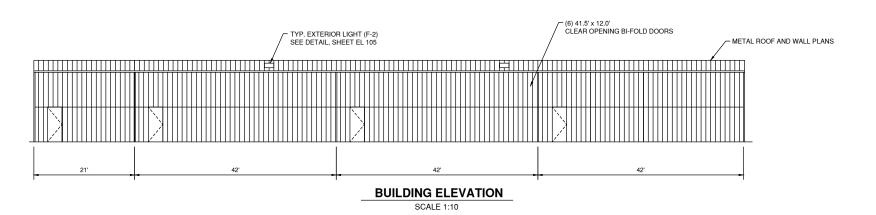
UNDERDRAIN DIRECT CONNECTION DETAIL N.T.S.

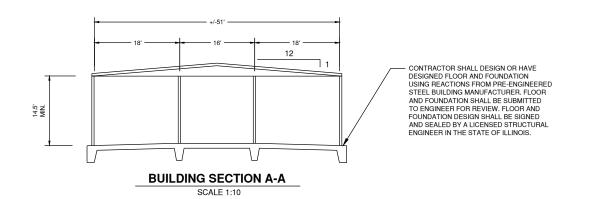
Date: Friday, March 15, 2019 3:07:05 PM



# NEW T-HANGAR #4 FLOOR PLAN

SCALE 1:10







# **S**CMT

License No. 184-000613

# **LEGEND**

♦ STATIC ELECTRICITY GROUNDING RECEPTACLE (SEE ELECTRICAL DETAILS)

F.E.  $\odot$  FIRE EXTINGUISHER: 10lb. DRY CHEMICAL (ABC)

# **GENERAL NOTES:**

- HANGAR NUMBERS MAY NOT COORDINATE WITH AIRPORTS FINAL NUMBERING SCHEME.
  (SEE SPECIFICATION SECTION 133420 FOR DOOR DECALS)
- 2. PROVIDE ENTRANCE LEVER/ LATCH HARDWARE W/ HINGES, SILL, SWEEPS AND ACCESSIBLE THRESHOLD FOR ACCESSIBLE DOORS. PROVIDE STOP ARM FOR OUT SWINGING MAN DOORS.

- 1		
	REQUIRED DIMENSIONS	6 UNIT NESTED T-HANGAR
	TOTAL BUILDING LENGTH	148' MAX.
	TOTAL BUILDING WIDTH	52' MAX.
	CLEAR DOOR WIDTH	41'-6" MIN.
	CLEAR DOOR HEIGHT	12' MIN.
	TAIL BAY WIDTH	21'-0" MIN.
	WING DEPTH	18' MIN.
	TOTAL DAY DEDTH	22' MINI

MARCH 1, 2019

REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

OWNE



SPARTA COMMUNITY AIRPORT SPARTA, IL

MARK	DATE	DES	SCRIPTION
AIP P	ROJ. NO	: 3-17-	SBGP-111/120/133/139
IL. PR	OJ. NO.	SAR-4	583
CMT F	ROJECT	T NO:	1641203
CADE	CAD DWG FILE:		SAR4583-1641203-A105.DWG
DESIG	DESIGNED BY:		NRF
DRAW	N BY:		DPA
CHEC	CHECKED BY:		CBG
APPR	OVED BY	Y:	RLV
CORV	DICUT:		

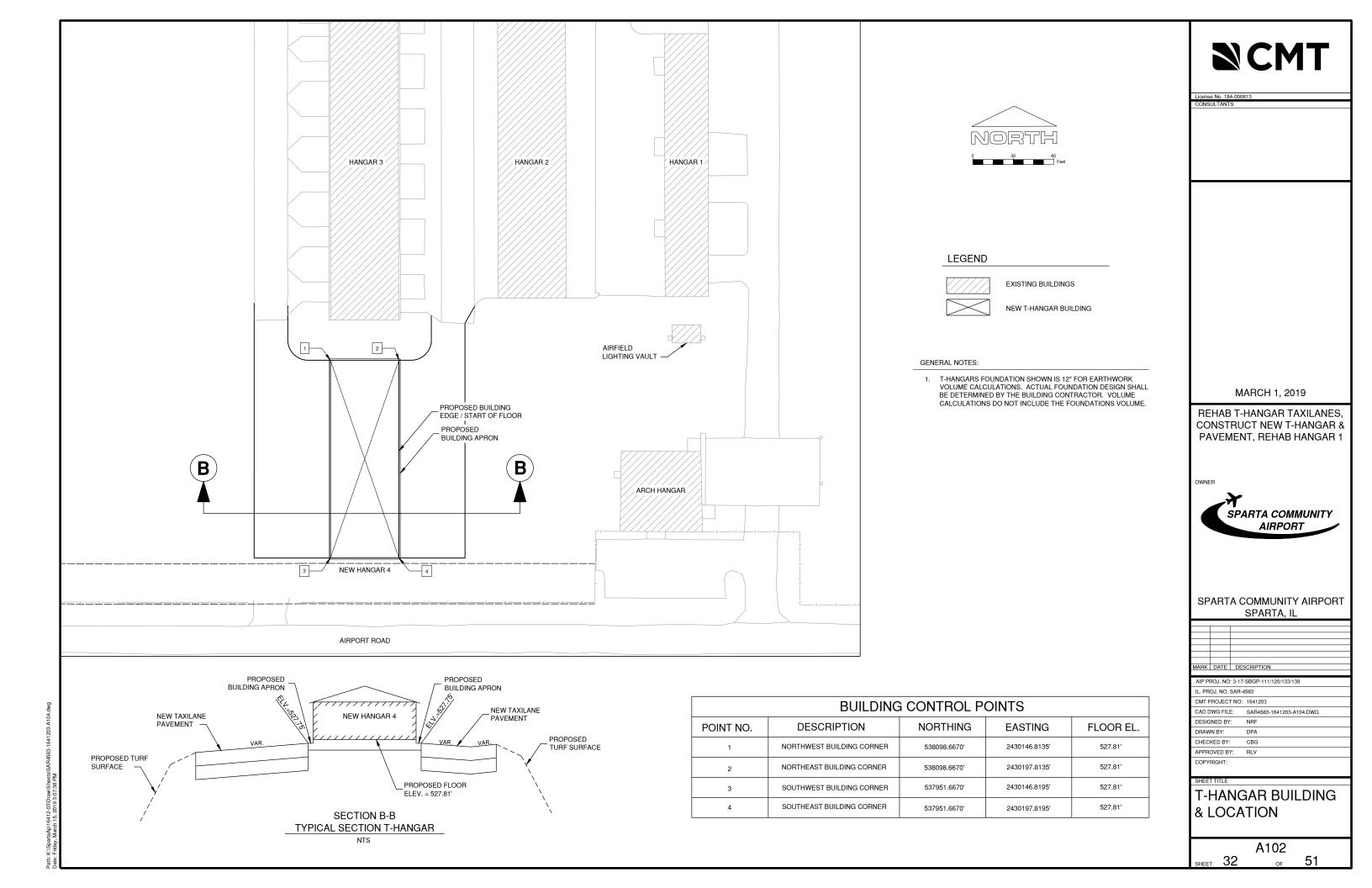
HEET TITLE

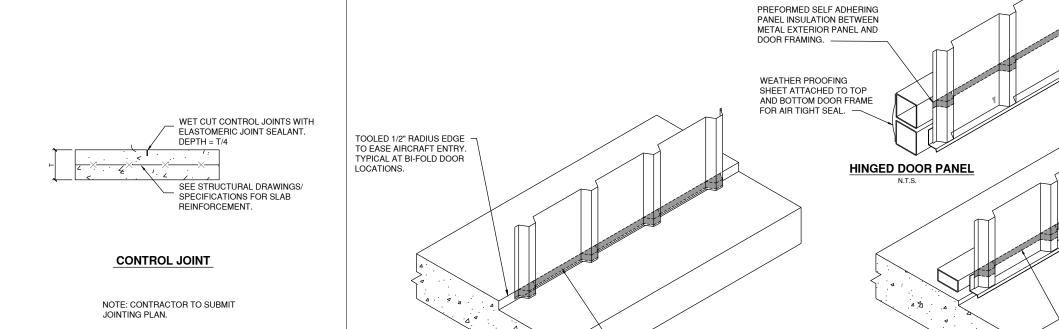
SHEET 31

FLOOR PLAN AND EXTERIOR ELEVATIONS

A101 of 51

day, March 15, 2019 3:07:14 PM





PREFORMED SELF ADHERING PANEL

INSULATION BETWEEN METAL EXTERIOR PANEL AND CONCRETE CURB.

ISOMETRIC DETAIL - EXTERIOR WALL PANEL AT CURB

**≥**CMT

License No. 18

APRON T.O APRON 100'-0" = (527.75')

PREFORMED SELF ADHERING

PANEL INSULATION BETWEEN METAL EXTERIOR PANEL AND DOOR FRAMING.

MARCH 1, 2019

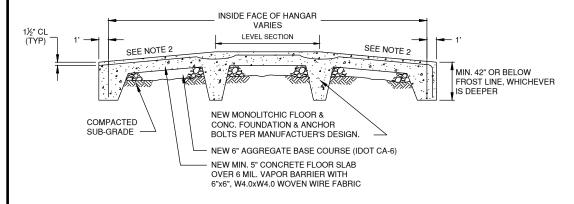
REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

SPARTA COMMUNITY

**AIRPORT** 

NOTES:

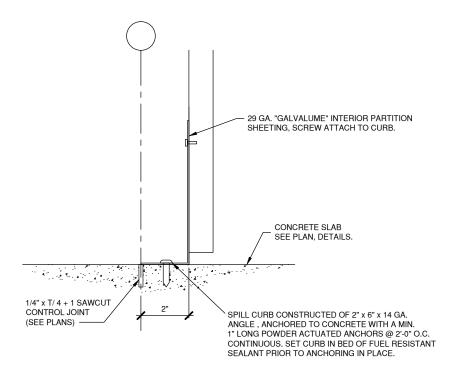
- 1. CONCRETE FLOOR AND FOUNDATION FOR HANGARS TO EXTEND A MINIMUM OF 12" OUTSIDE FACE OF HANGAR.
- 2. CONTRACTOR SHALL SLOPE FLOORS TO DRAIN PER MANUFACTURER'S RECOMMENDATION AND LOCAL CODE REQUIREMENTS.
- 3. THE CONTRACTOR SHALL GRADE AND COMPACT THE SUBGRADE BEFORE THE PLACEMENT OF THE AGGREGATE BASE COURSE.



**TYPICAL SECTION - T-HANGAR CONCRETE SLAB** 

N.T.S

NOTE: FOUNDATION DESIGN TO BE PROVIDED BY CONTRACTOR.



ISOMETRIC DETAIL - EXTERIOR WALL/ DOOR PANEL

TYP. SPILL CURB DETAIL

N. I

NOTE:

PROVIDE SPILL CURB ON ONE SIDE OF EACH

SPARTA COMMUNITY AIRPORT SPARTA, IL

MARK DATE DESCRIPTION

AIP PROJ. NO: 3-17-SBGP-111/120/133/139

IL. PROJ. NO. SAR-4583

IL. PROJ. NO. SAR-4583

CMT PROJECT NO: 1641203

CAD DWG FILE: SAR4583-1641203-A101.DWG

DESIGNED BY: NRF

DRAWN BY: DPA

CHECKED BY: CBG

APPROVED BY: RLV

EET TITLE

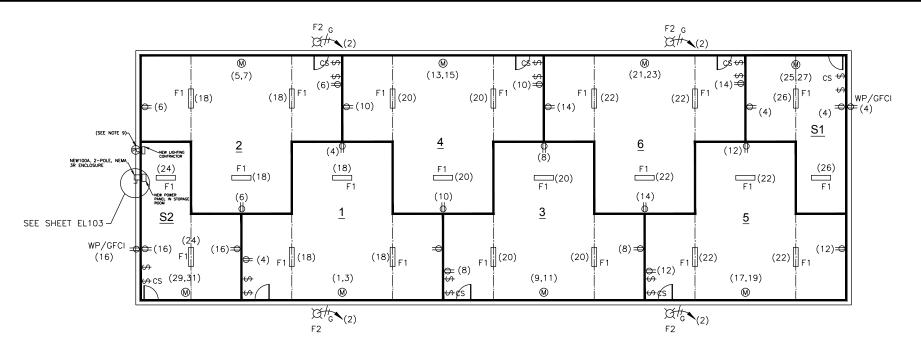
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ARCHITECTURAL DETAILS

A103

51

tth: K^SpartaAp\16412-03\Draw\Sheets\SAR4583-1641203-A10



**NEW T-HANGAR 4 PLAN** 

SCALE 1:10

#### **ELECTRICAL WIRING NOTES**

- 1. ALL WIRING METHODS AND ELECTRICAL EQUIPMENT INSTALLATION INSIDE T-HANGARS SHALL COMPLY WITH NFPA 70: NATIONAL ELECTRICAL CODE, ARTICLE 513: AIRCRAFT HANGARS. EXCEPT FOR GROUNDING (EARTHING) AND BONDING AS DETAILED ON THE PLANS, NO CONDUIT, POWER WIRING, ELECTRICAL DEVICES OR ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CLASS 1, DIVISION 1 OR CLASS 1 DIVISION 2 AREAS IN THE T-HANGAR, AS DEFINED BY NEC ARTICLE 513. FOR EXAMPLE, PER NEC ARTICLE 513, THE ENTIRE AREA OF THE T-HANGAR TO 18" ABOVE THE FLOOR IS A CLASS 1, DIVISION 2 AREA. NO POWER WIRING, ELECTRICAL DEVICES OR EQUIPMENT SHALL BE INSTALLED WITHIN THIS AREA.
- 2. EXCEPT WHERE NOTED OTHERWISE, ALL WIRING INSIDE T-HANGAR BAYS SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT). EMT SHALL BE ATTACHED TO WALL STRUCTURAL MEMBERS AND GIRTS AND ROUTED OVERHEAD, ATTACHED TO T-HANGAR ROOF WIDE FLANGE BEAMS AND PURLINS. EXPOSED WIRING OR CORDS SHALL NOT BE PERMITTED. ACCEPTABLE SUBSTITUTES FOR ELECTRICAL METALLIC TUBING (EMT) ARE GALVANIZED RIGID STEEL (GRS) OR ALUMINUM CONDUIT. DEVICE BOXES AND JUNCTION BOXES SHALL BE METALLIC, EXCEPT WHERE NOTED OTHERWISE FOR USE IN GROUNDING (EARTHING) AND BONDING.
- 3. SWITCHES AND RECEPTACLES SHALL BE INSTALLED IN METALLIC DEVICE BOXES. THE DOOR MOTOR OPERATOR SHALL NOT BE PLUGGED INTO A RECEPTACLE, BUT SHALL BE "HARD WIRED" IN CONDUIT. INTERIOR LED LIGHT FIXTURES (F1) SHALL BE ATTACHED TO ROOF WIDE FLANGE BEAMS OF DURING.
- 4. ALL RECEPTACLES TO BE MOUNTED 48" AFF.
- 5. ALL EXTERIOR LIGHTING WILL BE CONTROLLED BY ONE PHOTOCELL LOCATED IN STORAGE ROOM "S1". SEE PLAN VIEW FOR PHOTOCELL LOCATION.
- 6. ALL CIRCUITS SHALL BE FED FROM POWER PANEL "PP-4" INSIDE STORAGE ROOM "S1"  $\,$
- THE CONTRACTOR SHALL BE PERMITTED TO COMBINE CIRCUITS IN ONE CONDUIT AS DESCRIBED HEREIN. FROM MAIN DISTRIBUTION PANELBOARD TO TWO HANGAR BAYS WITH SAME LIGHTING CIRCUITS.
- 8. ALL LIGHTING RECEPTACLE, AND DOOR MOTOR OPERATOR CIRCUITS SHALL BE WIRED WITH (2) #12, (1) #12 GND. FROM NEW POWER PANEL. CIRCUIT NUMBERS ARE AS SHOWN. REFER TO EL102 FOR PANELBOARED SCHEDULE.
- INSTALL 20A, 1-POLE LIGHTING CONTACTOR WITH H-O-A SELECTOR SWITCH, CONTROLLED BY PHOTOCELL.

LEGEND

M BIFOLD DOOR MOTOR OPERATOR, 1HP, 1 PHASE, MULTI-VOLTAGE (120/208/240)

\$ TOGGLE SWITCH (INTERIOR LIGHTS)

CS BIFOLD DOOR MOTOR OPERATOR CONTROL STATION (SUPPLIED WITH DOOR)

F1 - LUSIO HD20S-A1-06K-4N-4000K-80-CL OR EQUAL

F2 F2 - LITHONIA DSXF2 LED P2 40K WFR 120 THK DDBXD, OR EQUIVALENT. FLOOD LIGHTING

(FC) 1800W PHOTO CELL, MOUNTED ON EXTERIOR WALL

License No. 184-0

MARCH 1, 2019

REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

OWNER



SPARTA COMMUNITY AIRPORT SPARTA. IL

RK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-SBGP-111/120/133/139

IL. PROJ. NO. SAR-4583

CMT PROJECT NO: 1641203

CAD DWG FILE: SAR4583-1641203-EL102.DWG

DESIGNED BY: MAA

DRAWN BY: DPA

CHECKED BY: AB

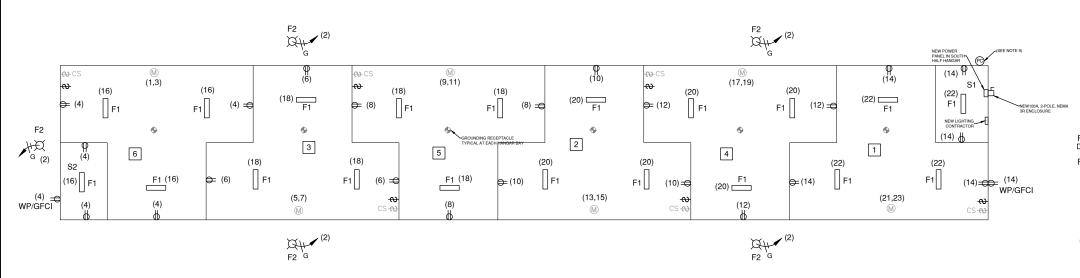
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APPROVED BY:

HANGAR 4 WIRING PLAN

RLV

EL101 <sub>HEET</sub> 34 of 51



#### LEGEND

\$ TOGGLE SWITCH (INTERIOR LIGHTS)

DUPLEX RECEPTACLE

F1 - LUSIO HD20S-A1-06K-4N-4000K-80-CL OR EQUAL

F2 - LITHONIA DSXF2 LED P2 40K WFR 120 THK DDBXD, OR EQUIVALENT. FLOOD LIGHTING

© 1800W PHOTO CELL, MOUNTED ON EXTERIOR WALL

EXISTING BIFOLD DOOR MOTOR OPERATOR CONTROL STATION ( NOTE 2)

EXISTING BIFOLD DOOR MOTOR OPERATOR

#### **ELECTRICAL WIRING NOTES**

- 1. ALL WIRING METHODS AND ELECTRICAL EQUIPMENT INSTALLATION INSIDE T-HANGARS SHALL COMPLY WITH NFPA 70: NATIONAL ELECTRICAL CODE, ARTICLE 513: AIRCRAFT HANGARS. EXCEPT FOR GROUNDING (EARTHING) AND BONDING AS DETAILED ON THE PLANS, NO CONDUIT, POWER WIRING, ELECTRICAL DEVICES OR ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CLASS 1, DIVISION 1 OR CLASS 1 DIVISION 2 AREAS IN THE T-HANGAR, AS DEFINED BY NEC ARTICLE 513. FOR EXAMPLE, PER NEC ARTICLE 513, THE ENTIRE AREA OF THE T-HANGAR TO 18" ABOVE THE FLOOR IS A CLASS 1, DIVISION 2 AREA. NO POWER WIRING, ELECTRICAL DEVICES OR EQUIPMENT SHALL BE INSTALLED WITHIN THIS AREA.
- 2. EXCEPT WHERE NOTED OTHERWISE, ALL WIRING INSIDE T-HANGAR BAYS SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT). EMT SHALL BE ATTACHED TO WALL STRUCTURAL MEMBERS AND GIRTS AND ROUTED OVERHEAD, ATTACHED TO T-HANGAR ROOF WIDE FLANGE BEAMS AND PURLINS. EXPOSED WIRING OR CORDS SHALL NOT BE PERMITTED. ACCEPTABLE SUBSTITUTES FOR ELECTRICAL METALLIC TUBING (EMT) ARE GALVANIZED RIGID STEEL (GRS) OR ALUMINUM CONDUIT. DEVICE BOXES AND JUNCTION BOXES SHALL BE METALLIC, EXCEPT WHERE NOTED OTHERWISE FOR USE IN GROUNDING
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- 4. ALL RECEPTACLES TO BE MOUNTED 48" AFF.
- 5. ALL EXTERIOR LIGHTING WILL BE CONTROLLED BY ONE PHOTOCELL LOCATED IN STORAGE ROOM "51". SEE PLAN VIEW FOR PHOTOCELL LOCATION.
- 6. ALL CIRCUITS SHALL BE FED FROM POWER PANEL "PP-1" INSIDE STORAGE ROOM "S1"
- THE CONTRACTOR SHALL BE PERMITTED TO COMBINE CIRCUITS IN ONE CONDUIT AS DESCRIBED HEREIN. FROM MAIN DISTRIBUTION PANELBOARD TO TWO HANGAR BAYS WITH SAME LIGHTING CIRCUITS.
- 8. ALL LIGHTING, RECEPTACLE AND DOOR OPERATOR CIRCUITS SHALL BE WIRED WITH (2) #12, (1) #12 GND. FROM NEW POWER PANEL. CIRCUIT NUMBERS ARE AS SHOWN. REFER TO THIS SHEET FOR PANELBOARED SCHEDULE.
- INSTALL 20A, 1-POLE LIGHTING CONTRACTOR WITH H-O-A SELECTOR SWITCH, CONTROLLED BY PHOTOCELL.

# NOTES

NOTES:

1 PROVIDE ENGRAVED NAMEPLATE READING:

120/240V. SINGLE-PHASE. 3-WIRE

- PRIOR TO THE ELECTRICAL REMOVALS, THE OWNER SHALL BE GIVEN THE OPPORTUNITY TO NOTE ANY ITEMS DEEMED SUITABLE FOR SALVAGE. THESE ITEMS SHALL BE DISCONNECTED, REMOVED AND STORED NEATLY AT A LOCATION ON THE AIRPORT DESIGNATED BY THE OWNER.
- 2. REMOVE ALL EXISTING INTERIOR/EXTERIOR LIGHTING, RECEPTACLES, CABLE/CONDUIT AND POWER PANELS LOCATED IN T-HANGAR 1. INSTALL NEW INTERIOR LIGHTING, EXTERIOR FLOOD LIGHTING, AND RECEPTACLES AS SHOWN IN PLAN VIEW OF THIS SHEET.
- 3. REMOVE EXISTING FUSE BOX IN EACH T-HANGER AND CONNECT NEW CIRCUIT TO EXISTING DOOR SWITCH.

#### PANELBOARD SCHEDULE

PANEL DESIGNATION: **PP-1**BOND NEUTRAL AND GROUND BAR: **NO**POLE: **42**LOCATION: **T-HANGAR 1**NEUTRAL BUS RATING: **100%**SHORT CIRCUIT RATING: **42KA**MFR & TYPE: **SQUARE D NQ, OR EQUIV.**SERVICE ENTRANCE RATED: **NO**SERIES OR FULLY RATED: **SERIES** 

: NO SERIES OR FULLY RATED: SERIE
TVSS & DISCONNECT REQUIRED: NO

VOLTS: 120/240V MOUNTING: SURFACE BUS RATING (AMPS): 100 PHASE: 1 ENCL RATING: NEMA 1 BUS: COPPER MAIN CIRCUIT BREAKER: AMP/POLE 100/2 BREAKER LOAD USAGE PHASE AMPS POLE PHASE AMPS USAGE LOAD BREAKER SIZE AMPS FACTOR A B NO. A B FACTOR AMPS SIZE LOAD EXSITING BIFOLD DOOR MOTOR-T1 RECEPTACLE. -T-HANGAR 1 & STORAGE 2 0.75 3 4 1.2 0.2 6 20A/1P RECEPTACLE. -T-HANGAR 2 "T2" EXSITING BIFOLD DOOR MOTOR-T2 0.2 6 20A/1P 0.25 0.75 0.2 6 20A/1P RECEPTACLE. -T-HANGAR 3 "T3 0.75 9 10 1.2 0.2 6 20A/1P EXSITING BIFOLD DOOR MOTOR-T3 20A/2P 0.25 RECEPTACLE -T-HANGAR 5 "TS 0.2 6 20A/1P RECEPTACLE. -T-HANGAR 6 & STORAGE 0.25 EXSITING BIFOLD DOOR MOTOR-T4 20A/2P 0.75 15 16 1.5 0.5 3 20A/1P LIGHTS -T-HANGAR 2 & 3 "T2, T3" LIGHTS -T-HANGAR 4 & 5 "T4, T5" 0.5 3 20A/1P EXSITING BIFOLD DOOR MOTOR-T5 0.5 0.75 21 22 1.5 0.5 3 20A/1P 22 EXSITING BIFOLD DOOR MOTOR-T6 20A/2P 20A/1P 25 26 20A/1P SPARE SPARE 0 27 28 20A/1P SPARE SPARE 20A/1P 20A/1P SPARE SPARE 20A/1P 0 33 34 20A/1P SPARE SPARE SPARE 20A/1P 20A/1P SPARE 20A/1P 37 38 0 20A/1P SPARE SPARE 20A/1P 0 39 40 20A/1P SPARE 20A/1P SECTION TOTAL 5.5 5.4 TOTAL USAGE LOAD: PHASE TOTAL AMPS: 8.5 8.4 2028 VA

EXISTING T-HANGAR 1 POWER PANEL SCHEDULE

MARCH 1, 2019

REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

OWNER



SPARTA COMMUNITY AIRPORT SPARTA, IL

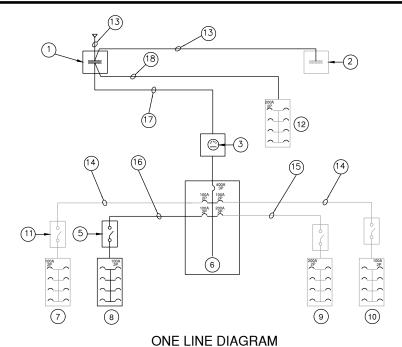
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	MARK	DATE	DES	SCRIPTION	
	AIP PI	ROJ. NO	: 3-17-	'-SBGP-111/120/133/139	
	IL. PR	OJ. NO.	SAR-4	4583	
	CMT F	PROJECT	ΓNO:	1641203	
	CAD	WG FILE	E:	SAR4583-1641204-EL102.DWG	
	DESIG	NED BY	:	MAA	
_	DRAW	/N BY:		DPA	
	CHEC	KED BY:		CHK	
	APPR	OVED BY	Y:	APR	
	COPY	RIGHT:			

HEET TITLE

HANGAR 1 WIRING PLAN

EL102 HEET 35 OF 51

Path: K.SpartaAp/16412-03\Draw\Sheets\SAR4583-1641204-EL102.dwg Date: Friday, March 15, 2019 3:08:07 PM



#### ONE LINE DIAGRAM NOMENCLATURE

- (1) NEW UTILITY PAD MOUNTED TRANSFORMER. INSTALLED AND SIZED BY AMEREN.
- (2) EXISTING NORTH PAD MOUNTED TRANSFORMER.
- (3) EXISTING UTILITY METERING AND C.T. CABINET, MOUNTED ON VAULT EXTERIOR WALL.
- (4) EXISTING 200A, 120/240, 2P DISCONNECT.
- (5) NEW 100A, 120/240, 2P DISCONNECT, IN NEMA 3R.
- (6) EXISTING 400A 120/240V, 3-PHASE POWER PANEL IN VAULT. INSTALL 100A, 2P CIRCUIT BREAKER.
- (7) EXISTING, 100A 120/240, 1-PHASE POWER PANEL IN T-HANGAR 3
- NEW, 100A 120/240, 1-PHASE IN POWER PANEL T-HANGAR 4
- (9) EXISTING, 200A 120/240, 1-PHASE POWER PANEL IN T-HANGAR 2
- (10) EXISTING, 100A 120/240, 1-PHASE IN T-HANGAR 1
- (11) EXISTING 100A, 120/240, 2P DISCONNECT.
- (12) EXISTING, 200A 120/240, 1-PHASE POWER PANEL IN ARCH HANGAR
- (13) NEW 1-4" PVC SCH.80 CONDUIT WITH PULL STRING.
- (14) EXISTING 3 #2, 1 #6 GND. IN 2" CONDUIT.
- (15) EXISTING 3 #2/0, 1 #2 GND. IN 2" CONDUIT.
- (16) NEW 3 #2, 1 #6 GND. IN 2" CONDUIT.
- (17) NEW (2) SETS OF 4 #2/0, 1 #2 GND. IN 4" CONDUIT.

#### (18) NEW 3 #2/0, 1 #2 GND. IN 2" CONDUIT. PANELBOARD SCHEDULE PANEL DESIGNATION: PP-4 BOND NEUTRAL AND GROUND BAR: NO LOCATION: T-HANGAR 4 NEUTRAL BUS RATING: 100% SHORT CIRCUIT RATING: 42KA MFR & TYPE: SQUARE D NQ, OR EQUIV. SERVICE ENTRANCE RATED: NO SERIES OR FULLY RATED: SERIES TVSS & DISCONNECT REQUIRED: NO MOUNTING: SURFACE VOLTS: 120/240V BUS RATING (AMPS): 100 PHASE: 1 ENCL RATING: NEMA 1 WIRE: 3 MAIN CIRCUIT BREAKER: AMP/POLE 100/2 BREAKER LOAD USAGE PHASE AMPS POLE PHASE AMPS USAGE LOAD BREAKER CKT AMPS FACTOR A B NO. A B FACTOR AMPS LOAD 0.25 EXTERIOR LIGHTS 2 1 1 2 0.4 4 20A/1P 20A/2P BIFOLD DOOR MOTOR-T1 RECEPTACLE. -T-HANGAR 1 & STORAGE 1 "T1 & S1" 0.25 0.2 6 20A/1P 4 RECEPTACLE. -T-HANGAR 2 "T2" 0.25 0.2 BIFOLD DOOR MOTOR-T2 RECEPTACLE. -T-HANGAR 3 "T3" 0.25 7 8 1.2 0.2 20A/1P 0.25 RECEPTACLE. -T-HANGAR 4 "T4" 10 0.2 BIFOLD DOOR MOTOR-T3 11 0.25 RECEPTACLE, -T-HANGAR 5 "T5" 11 12 0.2 20A/1P 12 0.25 RECEPTACLE -T-HANGAR 6 "TO 14 13 BIFOLD DOOR MOTOR-T4 15 0.25 0.75 15 16 RECEPTACLE. - STORAGE 2 "S2" 16 17 19 0.25 LIGHTS -T-HANGAR 1 & 2 "T1, T2" 18 BIFOLD DOOR MOTOR-T5 0.25 0.5 3 20A/1P LIGHTS -T-HANGAR 3 & 4 "T3, T4" 20 21 23 25 27 29 31 0.25 LIGHTS -T-HANGAR 5 & 6 "T5. T6" BIFOLD DOOR MOTOR-T6 0.25 LIGHTS -STORAGE 2 "S2" 24 0.5 3 20A/1P 0.25 LIGHTS -STORAGE 1 "S1" 20A/1P BIFOLD DOOR MOTOR-S1 0.25 0.75 27 28 28 20A/1P 20A/1P SPARE 30 BIFOLD DOOR MOTOR-S2 20A/2P 32 31 32 20A/1P SPARE 33 34 20A/1P 20A/1P SPARE SPARE 35 37 36 SPARE 20A/1P 35 36 20A/1P SPARE SPARE 20A/1P 38 20A/1P 37 38 SPARE 39 SPARE 20A/1P 0 39 40 20A/1P SPARE 40 SPARE 20A/1P 41 42 20A/1P SPARE 42 SECTION TOTAL: 4.5 3.75 TOTAL USAGE LOAD: 12 8.85 PHASE TOTAL AMPS: 2502 VA

NOTES:

1 PROVIDE ENGRAVED NAMEPLATE READING:

120/240V, SINGLE-PHASE, 3-WIRE

T-HANGAR #4 POWER PANEL SCHEDULE

1440 1062



MARCH 1, 2019

REHAB T-HANGAR TAXILANES **CONSTRUCT NEW T-HANGAR &** PAVEMENT, REHAB HANGAR 1



SPARTA COMMUNITY AIRPORT SPARTA, IL

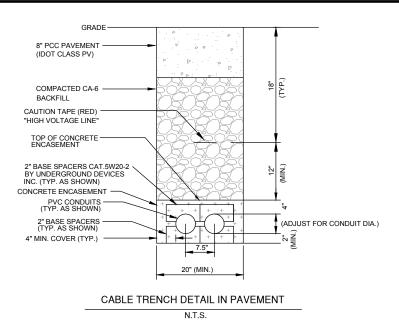
MARK	DATE	DESCRIPTION
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IL. PROJ. NO. SAR-4583		

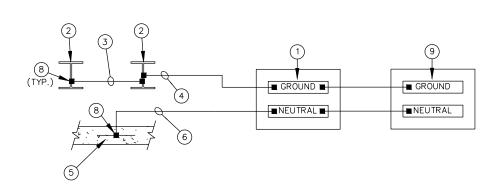
CMT PROJECT NO: 1641203 CAD DWG FILE: SAR4583-1641203-EL104.DWG DRAWN BY: CHECKED BY: APPROVED BY: RLV

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**ELECTRICAL WIRING DETAILS** 

EL103 неет 36 51





### SYSTEM GROUNDING AND NEUTRAL WIRING

#### SYSTEM GROUNDING AND NEUTRAL WIRING NOMENCLATURE

- (1) 100A DISTRIBUTION PANELBOARD. DO NOT BOND NEUTRAL BAR TO GROUND BAR HERE.
- 2 T-HANGAR STRUCTURAL STEEL
- $\begin{tabular}{ll} {\bf 3} & {\bf BONDING JUMPERS, ONLY IF REQUIRED FOR CONTINUITY, INSTALLED IN COMPLIANCE WITH NEC ARTICLE 250.52. \end{tabular}$
- (4) #2 AWG IN 1/2" or 3/4" SCHEDULE 40 PVC CONDUIT.
- (5) T-HANGAR CONCRETE ENCASED ELECTRODE ("UFER" GROUND).
- 6 #4 AWG IN 1/2" or 3/4" SCHEDULE 40 PVC CONDUIT.
- $\ensuremath{ \begin{tabular}{ll} \ensuremath{ \begin{tabular}{ll$
- 8 EXOTHERMIC WELD, CADWELD, OR EQUIVALENT.
- 9 100A, 2P DISCONNECT.

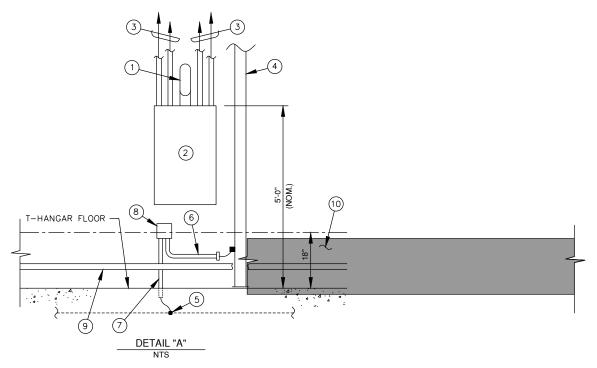
# BACKFILL WITH EXCAVATED MATERIAL BACKFILL WITH EXCAVATED MATERIAL METALIZED WARNING TAPE INSULATED CABLE IN 2" PVC DIRECT BURY TRENCH DETAIL NOTES:

- MOUND SLIGHTLY ABOVE, GRADE &

- TRENCHES WITH MORE THAN 2 CABLES SHALL BE INCREASED 3" IN WIDTH FOR EACH ADDITIONAL CABLE. IF SPECIFIED ON PLANS, TWO PARALLEL TRENCHES MAY BE CONSTRUCTED.
- 2. DEPTH OF TRENCHES SHALL BE AS SHOWN ABOVE UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- 3. SAND BACKFILL SHALL BE USED IF THE EXISTING SOIL DOES NOT MEET THE BACKFILL REQUIREMENTS.
- 4. ALL DISTURBED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION

#### CABLE TRENCH DETAIL IN EARTH

N.T.S.



#### DETAIL "A" NOMENCLATURE

- 1) THREE #2 XLP-USE, ONE #6 GROUND IN 2" GRS CONDUIT TO DISCONNECT.
- 42-POLE, 120/240V, 100A, 1-PHASE, 3-WIRE DISTRIBUTION PANELBOARD, SQUARE D, OR EQUIVALENT, IN SURFACE MOUNT NEMA 1 ENCLOSURE. PROVIDE TYPED CIRCUIT DIRECTORY IDENTIFYING T-HANGAR BAY OR STORAGE ROOM FED FROM EACH CIRCUIT BREAKER. PROVIDE ENGRAVED NAMEPLATE FOR PANELBOARD COVER, IDENTIFYING THE PANELBOARD AMPERAGE AND SERVING VOLTAGES. SEE EL102 FOR PANELBOARD SCHEDULE
- (3) WIRING TO T-HANGAR BAY AND STORAGE ROOM POWER PANEL IN EMT CONDUIT.
- 4 T-HANGAR STRUCTURAL STEEL. SEE SYSTEM GROUNDING AND NEUTRAL WIRING DETAIL FOR ADDITIONAL INFORMATION.
- T-HANGAR CONCRETE ENCASED ELECTRODE ("UFER" GROUND). SEE SYSTEM GROUNDING AND NEUTRAL WIRING DETAIL FOR ADDITIONAL INFORMATION.
- #4 AWG G.E.C. IN 1/2" SCHEDULE 40 PVC CONDUIT. SEE SYSTEM GROUNDING AND NEUTRAL WIRING DETAIL FOR ADDITIONAL INFORMATION. NOTE, PER SPECIFICATIONS: "NON-METALLIC CONDUITS CONTAINING GROUNDING ELECTRODE CONDUCTORS SHALL NOT BE SUPPORTED WITH METAL CLAMPS THAT COMPLETELY ENCIRCLE THE CONDUIT. USE NYLON NUTS, BOLTS, STRAPS AND/OR REINFORCED FIBERGLASS OR PREMIUM GRADE PLASTIC RESIN STRUT SUPPORT WITH NON-METALLIC HARDWARE."

- (8) NON-METALLIC JUNCTION BOX, SIZED AS REQUIRED.
- (9) HORIZONTAL GIRT MEMBER.
- PER NEC ARTICLE 513, THE ENTIRE AREA OF THE T-HANGAR TO 18" ABOVE THE FLOOR IS A CLASS 1, DIVISION 2 AREA. NO POWER WIRING, ELECTRICAL DEVICES OR EQUIPMENT SHALL BE INSTALLED WITHIN THIS AREA.



MARCH 1, 2019

REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

OWNE



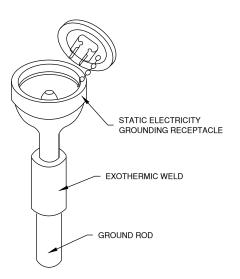
SPARTA COMMUNITY AIRPORT SPARTA, IL

MARK	DATE	DES	SCRIPTION	
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IL. PR	IL. PROJ. NO. SAR-4583			
CMT F	ROJECT	NO:	1641203	
CAD	WG FILE	≣:	SAR4583-1641203-EL105.DWG	
DESIG	NED BY	:	MAA	
DRAWN BY:			DPA	
CHECKED BY:			AB	
APPROVED BY:		<b>/</b> :	RLV	
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SHEET TITLE

ELECTRICAL DETAILS-1

EL104 HEET 37 OF 51



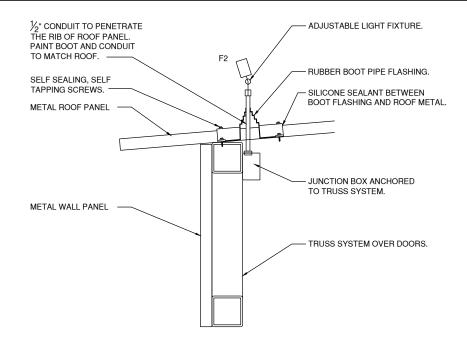
STATIC ELECTRICITY GROUNDING RECEPTACLE

NTS

#### NOTES

AIRCRAFT STATIC CHARGE GROUNDING RECEPTACLE IN EACH HANGAR BAY SHALL BE BURNDY BAR-1, ERICO B165R, OR EQUIVALENT.

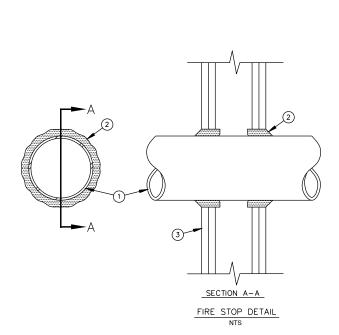
THE AIRCRAFT STATIC CHARGE GROUNDING RECEPTACLE SHALL BE INSTALLED ON 3/4" DIAMETER X 10' LONG COPPERCLAD GROUND ROD PER MANUFACTURER'S INSTRUCTIONS. EXOTHERMIC WELD SHALL BE CADWELD, OR EQUIVALENT. THE TOP CAP OF AIRCRAFT STATIC CHARGE GROUNDING RECEPTACLE SHALL BE INSTALLED FLUSH WITH THE TOP OF CONCRETE FLOOR SLAB AT LOCATIONS INDICATED ON THE PLANS. ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATION OF GROUNDING RECEPTACLE IN FLOOR SLAB WITH BUILDING CONTRACTOR.



FIXTURE F2 INSTALLATION

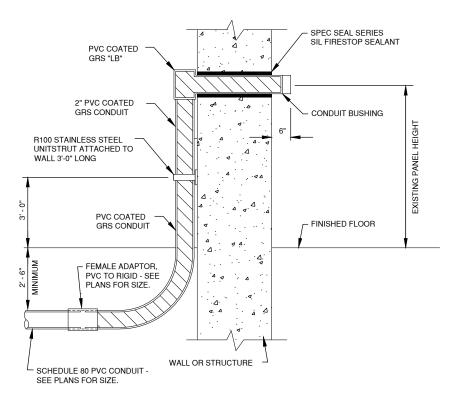
#### NOTES

 LIGHT TO BE LOCATED AS CLOSE TO CENTER OF DOORS BUT SHALL PENETRATE THE RIB OF ROOF METAL.



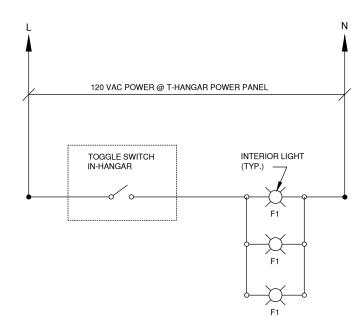
#### FIRE STOP DETAIL NOTES

- 1. CONDUIT. SEE PLANS FOR SIZE AND QUANTITY.
- 2. FIRE SEAL COMPOUND, SEE SPECS, INSTALL PER MANUFACTURER REQUIREMENTS AND IN COMPLIANCE WITH NEC.
- 3. GYPSUM BOARD FIRE RATED WALL, EITHER 2-HOUR OR 3-HOUR AS NOTED ON PLANS.



## EXTERIOR CONDUIT UNDERGROUND TRANSITION (ARCH HANGAR & VAULT)

N.T.S



T-HANGAR BAY
LIGHT FIXTURE WIRING

NOTF.

THIS SHEET SHALL APPLY TO BOTH NEW AND EXISTING HANGARS.

**NCMT** 

MARCH 1, 2019

REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

OWNER



SPARTA COMMUNITY AIRPORT SPARTA, IL

١RK	DATE	DESCRIPTION		
IP PI	IP PROJ. NO: 3-17-SBGP-111/120/133/139			
PROJ. NO. SAR-4583				
MT F	ROJECT	T NO:	1641203	
AD E	WG FILE	E:	SAR4583-1641203-EL104.DWG	
ESIGNED BV:			ΜΔΔ	

CAD DWG FILE: SAR4583-1641203-EL104.DWG

DESIGNED BY: MAA

DRAWN BY: DPA

CHECKED BY: AB

APPROVED BY: RLV

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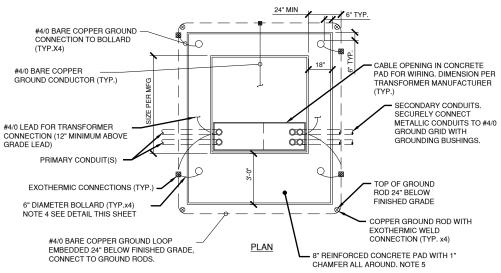
FET TITLE

ELECTRICAL DETAILS-2

EL105 HEFT 38 OF 51

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I.T.S

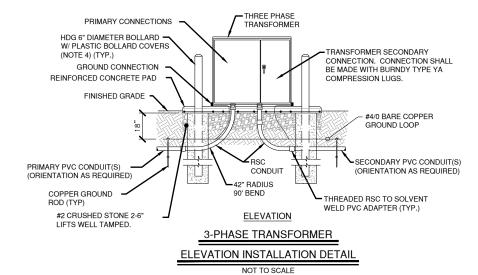


3-PHASE TRANSFORMER INSTALLATION DETAIL

NOTES

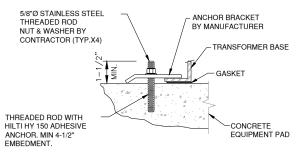
NOT TO SCALE

- EQUIPMENT PAD DIMENSIONS SHOWN FOR REFERENCE ONLY. REFER TO APPROVED SHOP DRAWINGS FOR EXACT DIMENSIONS OF TRANSFORMER AND TRANSFORMER PAD OPENING PRIOR TO INSTALLATION OF CONCRETE EQUIPMENT PAD. CABLE OPENING IN CONCRETE EQUIPMENT PAD SHALL BE SIZED AS PER THE TRANSFORMER MANUFACTURERS RECOMMENDATION AND PER AMEREN SPECIFICATIONS. DO NOT GROUT.
- 2. PROVIDE EXOTHERMIC WELD TYPE GROUND CONNECTION FOR NEW GROUND RODS, BOLLARDS AND GROUND CABLE TO CABLE CONNECTIONS.
- 3. GROUT CABLE/CONDUIT OPEN IN CONCRETE PAD WITH 1500 PSI CONCRETE TO PREVENT RODENT ACCESS. CAP ALL CONDUITS PRIOR TO GROUTING.
- 4. ALL SHOWN AS NEW.
- 5. EXPOSED CONCRETE EQUIPMENT PAD, METER ENCLOSURE, TRANSFORMER ENCLOSURE AND BOLLARDS SHALL BE PAINTED DARK BROWN, FEDERAL STANDARD 595 COLOR #20040.
- $_{\rm 6.}$  SECURELY FASTEN TRANSFORMER TO CONCRETE EQUIPMENT PAD. REFER TO TYPICAL ANCHOR BOLT DETAIL, THIS SHEET.



NOTES:

- 1. CONCRETE SHALL BE 4000 PSI AT 28 DAYS.
- 2. TOP SURFACE SHALL BE TROWEL FINISHED WITH 1" CHAMFER ON ALL EXPOSED EDGES.
- 3. SURGE ARRESTERS SHALL BE INSTALLED ON H1B, H2B, & H3B BUSHINGS OR AS SHOWN ON THE PROPOSED ONE-LINE DIAGRAMS.



TYPICAL ANCHOR BOLT DETAIL

NOT TO SCALE

**NCMT** 

License No. 184-000613

MARCH 1, 2019

REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

OWNE



SPARTA COMMUNITY AIRPORT SPARTA, IL

/ARK	DATE	DESCRIPTION
AIP P	ROJ. NO	: 3-17-SBGP-111/120/133/139

AB

IL. PROJ. NO. SAR-4583
CMT PROJECT NO: 1641203
CAD DWG FILE: EL107 ELECTRICAL DETAILS-2.DWG
DESIGNED BY: MAA
DRAWN BY: DPA

CHECKED BY:

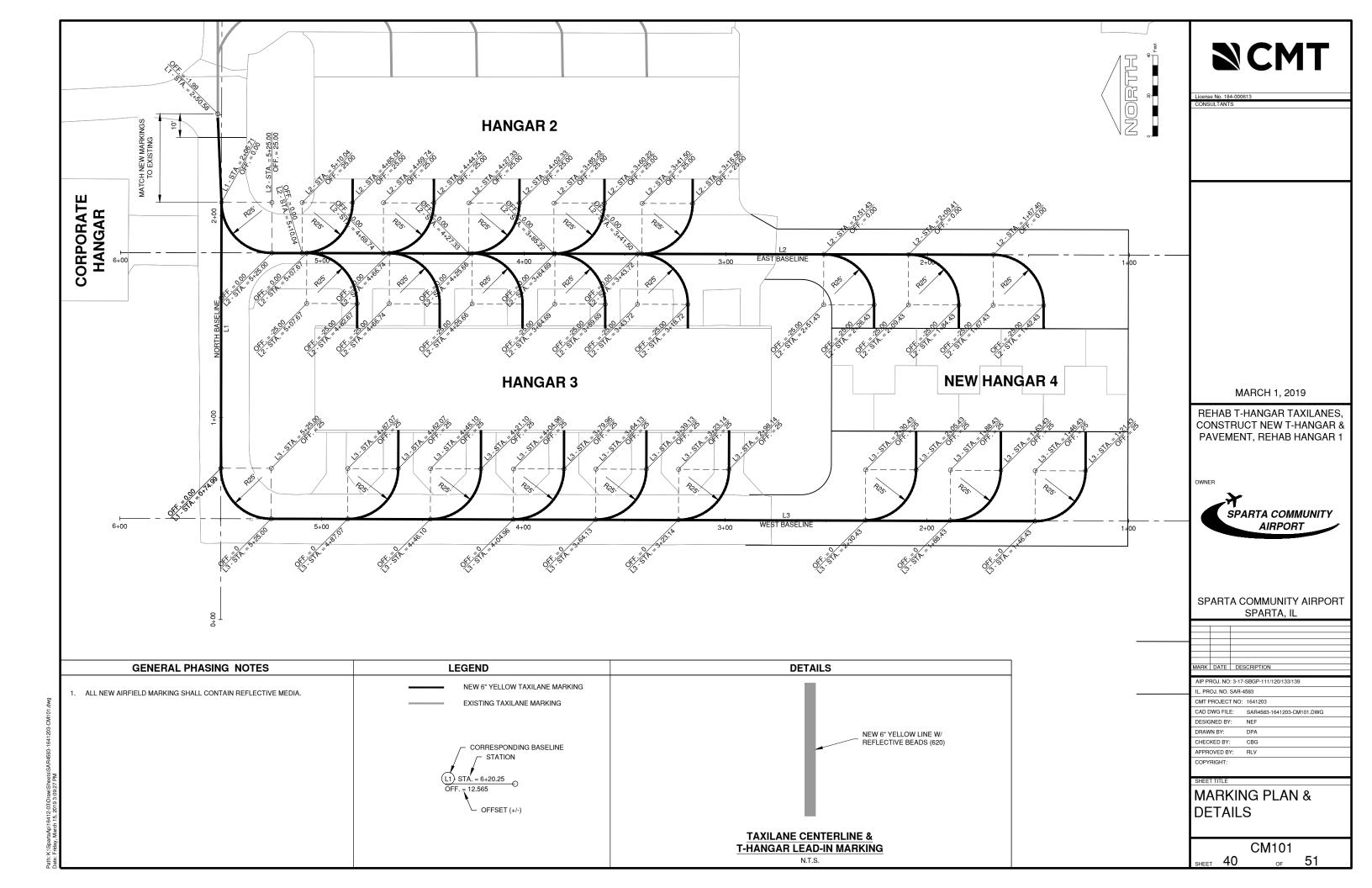
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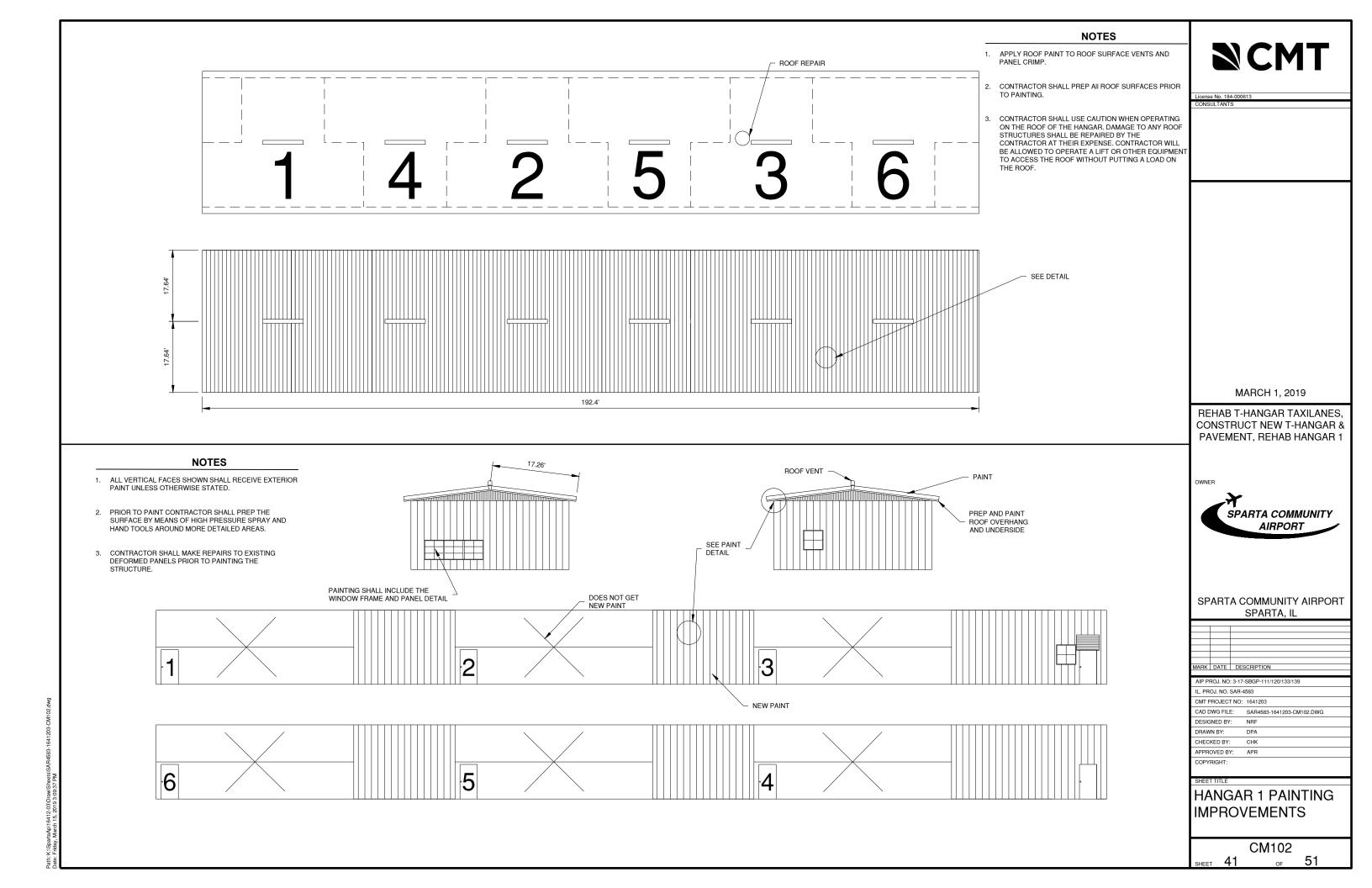
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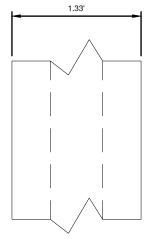
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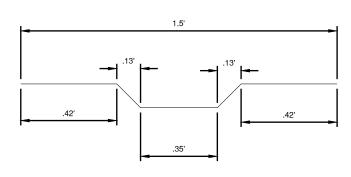
ELECTRICAL DETAILS-3

EL106 39 of 51







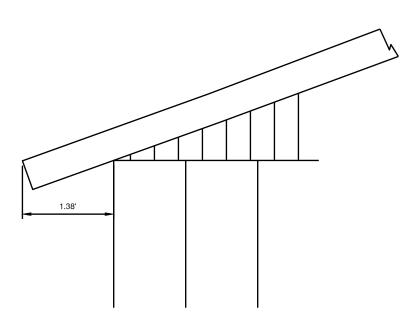


# EXTERIOR HANGAR WALL PANELING DETAIL

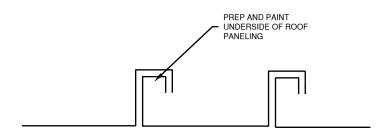
N.T.S.

#### NOTES

 PAINT AREA ESTIMATED DOES NOT INCLUDE BENDS IN THE STRUCTURAL STEEL. DETAIL IS FOR INFORMATION ONLY. CONTRACTOR SHALL ACHIEVE UNIFORM THICKNESS OF PAINT ON ALL AREAS OF WALL PANELING.



ROOF CORNER/OVERHANG DETAIL



## EXISTING ROOF PANELING CRIMP DETAIL

N.T.S.

#### NOTES

- CONTRACTOR SHALL PREP THE UNDER SIDE OF THE PANELING CRIMP PRIOR TO PAINTING. HAND TOOLS MAY REQUIRED BE TO ENSURE ADEQUATE REMOVAL OF EXISTING LOOSE MATERIAL HAS BEEN ATTAINED.
- 2. CONTRACTOR SHALL REPAINT THE UNDER SIDE OF THE PANEL CRIMP. HAND TOOLS MAY BE REQUIRED TO ENSURE COMPLETE COVERAGE OF SURFACE HAS BEEN ATTAINED.



License No. 184-00

MARCH 1, 2019

REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

OWNE



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MARK	DATE	DES	CRIPTION			
AIP P	AIP PROJ. NO: 3-17-SBGP-111/120/133/139					
IL. PROJ. NO. SAR-4583						
CMT F	ROJECT	T NO:	1641203			
CAD	WG FILE	E:	SAR-4583-1641203-CM103.DWG			
DESIG	NED BY	:	NRF			
DRAWN BY:			DPA			

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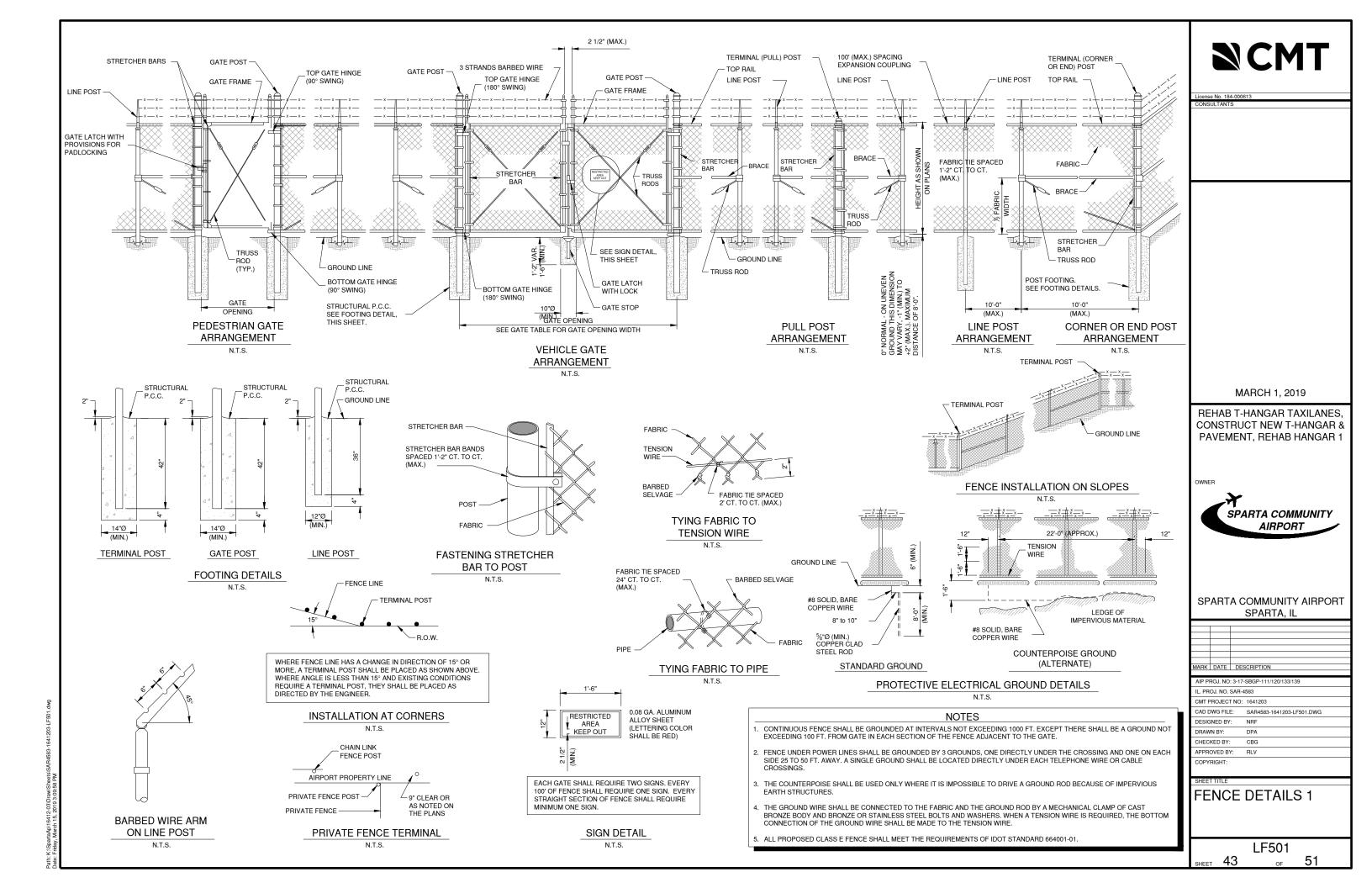
CHECKED BY: CHK

APPROVED BY: APR

PAINTING DEATAILS

CM103 .2 of 51

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License No. 184-000

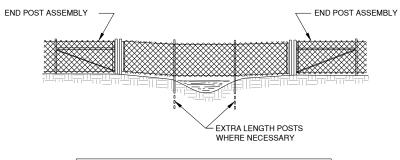
CONSULTANTS

END POST LINE POST

POST NOT CENTERED IN CONCRETE

FENCE POST SHAPE, SIZE AND WEIGHT				
	ROUND STE	EL PIPE SS 40		
POST TYPE	DIAMETER	WEIGHT		
CORNER, END, PULL	2.375"	3.12 LB/FT		
LINE POST	1.90"	2.28 LB/FT		
TOP RAIL	1.66"	1.83 LB/FT		

DETAIL A



THE CHAIN LINK FABRIC SHALL BE REPLACED BY BARBED WIRE STRANDS AT 12" MAXIMUM CENTERS BETWEEN THE DOUBLE POSTS SHOWN ON DETAIL A WHEN SHOWN ON THE PLANS.

**ELEVATION** 

BUILDING FACE

4"
(MAX.)

END POST

POST NOT CENTERED IN CONCRETE

FENCE INSTALLATION AT BUILDING FACE

N.T.S.

SPARTA COMMUNITY AIRPORT SPARTA, IL

SPARTA COMMUNITY
AIRPORT

MARCH 1, 2019

REHAB T-HANGAR TAXILANES,
CONSTRUCT NEW T-HANGAR &
PAVEMENT, REHAB HANGAR 1

MARK DATE DESCRIPTION

AIP PROJ. NO: 3-17-SBGP-111/120/133/139

IL. PROJ. NO. SAR-4583

CMT PROJECT NO: 1641203

CAD DWG FILE: SAR4583-1641203-LF502.DWG

DESIGNED BY: NRF

DRAWN BY: DPA

CHECKED BY: CBG

APPROVED BY: RLV

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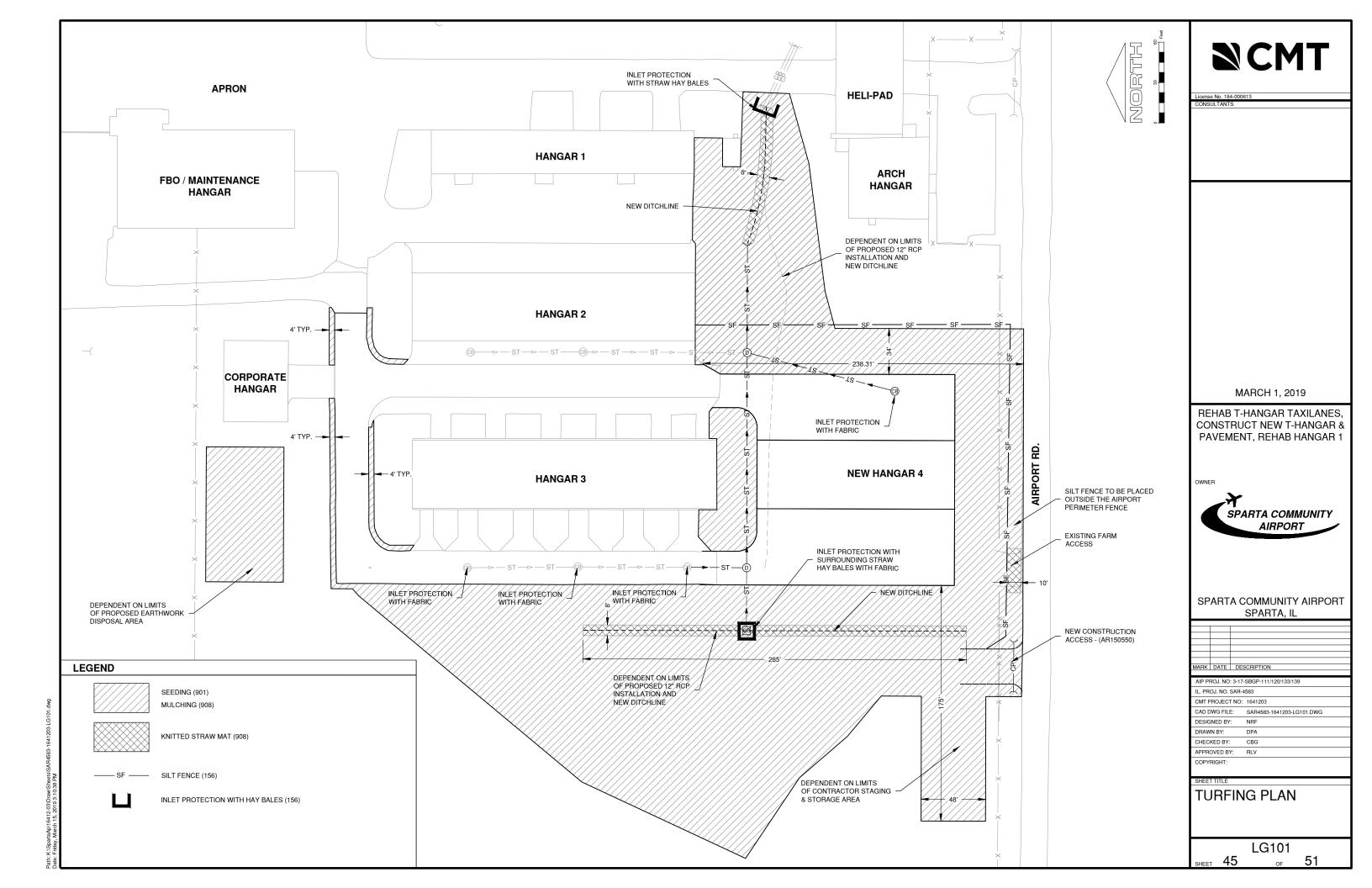
FENCE DETAILS 2

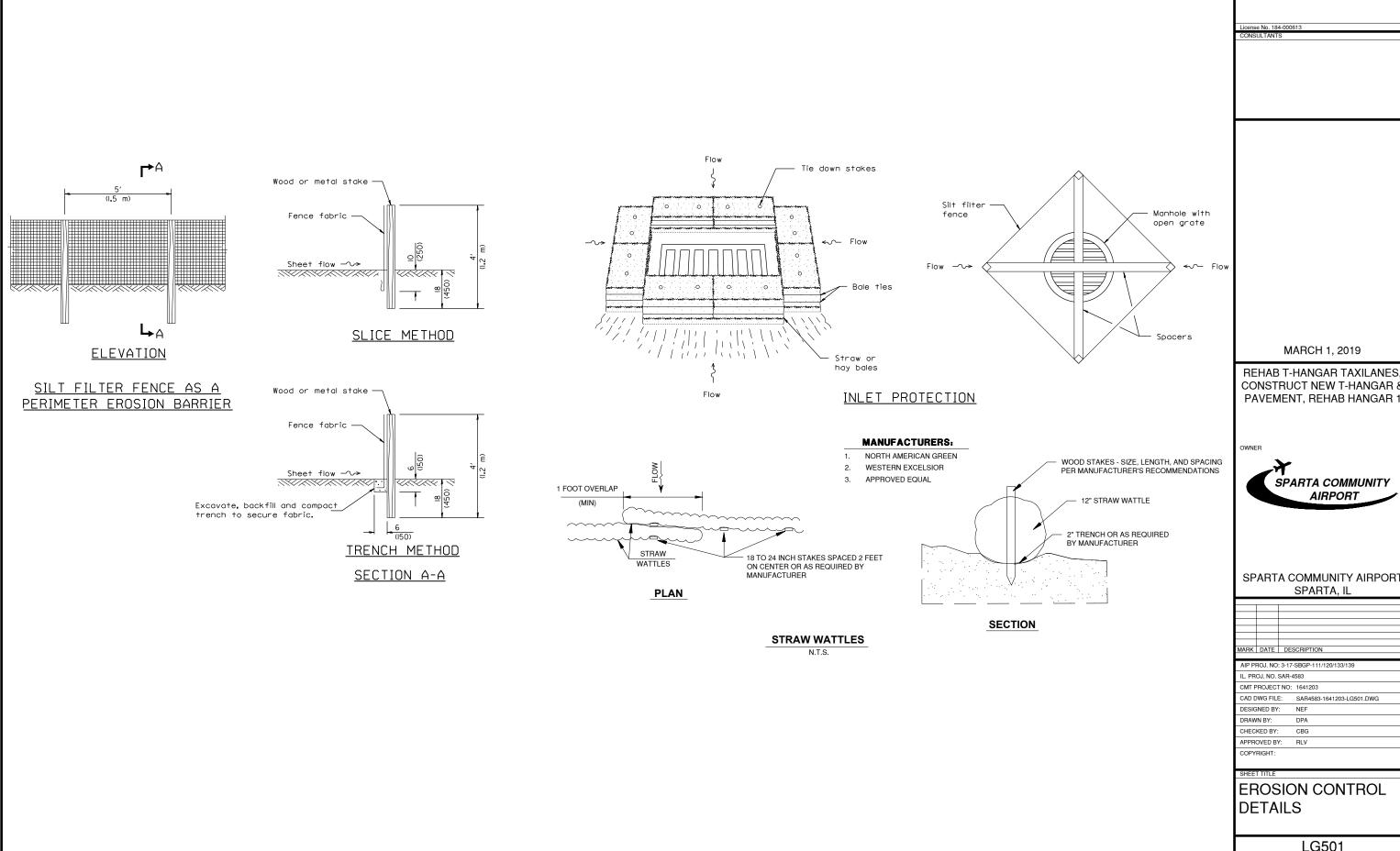
LF502 <sub>SHEET</sub> 44 of 51

FENCE INSTALLATION OVER STREAM DETAILS

N.T.S.

in: NaspartaApiro4 iz-o3uriawishietisisAn4sos-164 izus-trouz.dwg te: Friday, March 15, 2019 3:10:08 PM





**NCMT** 

CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

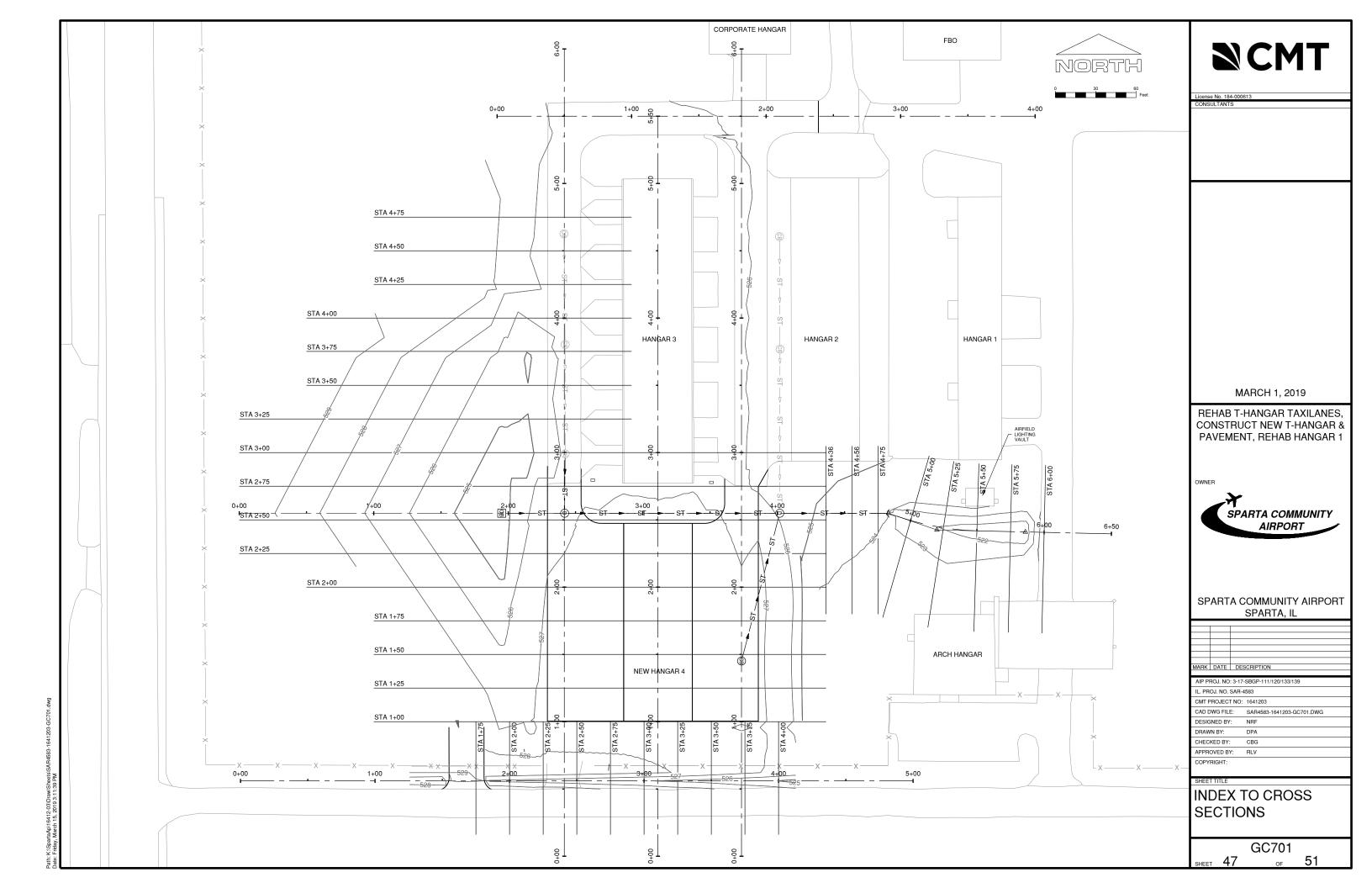


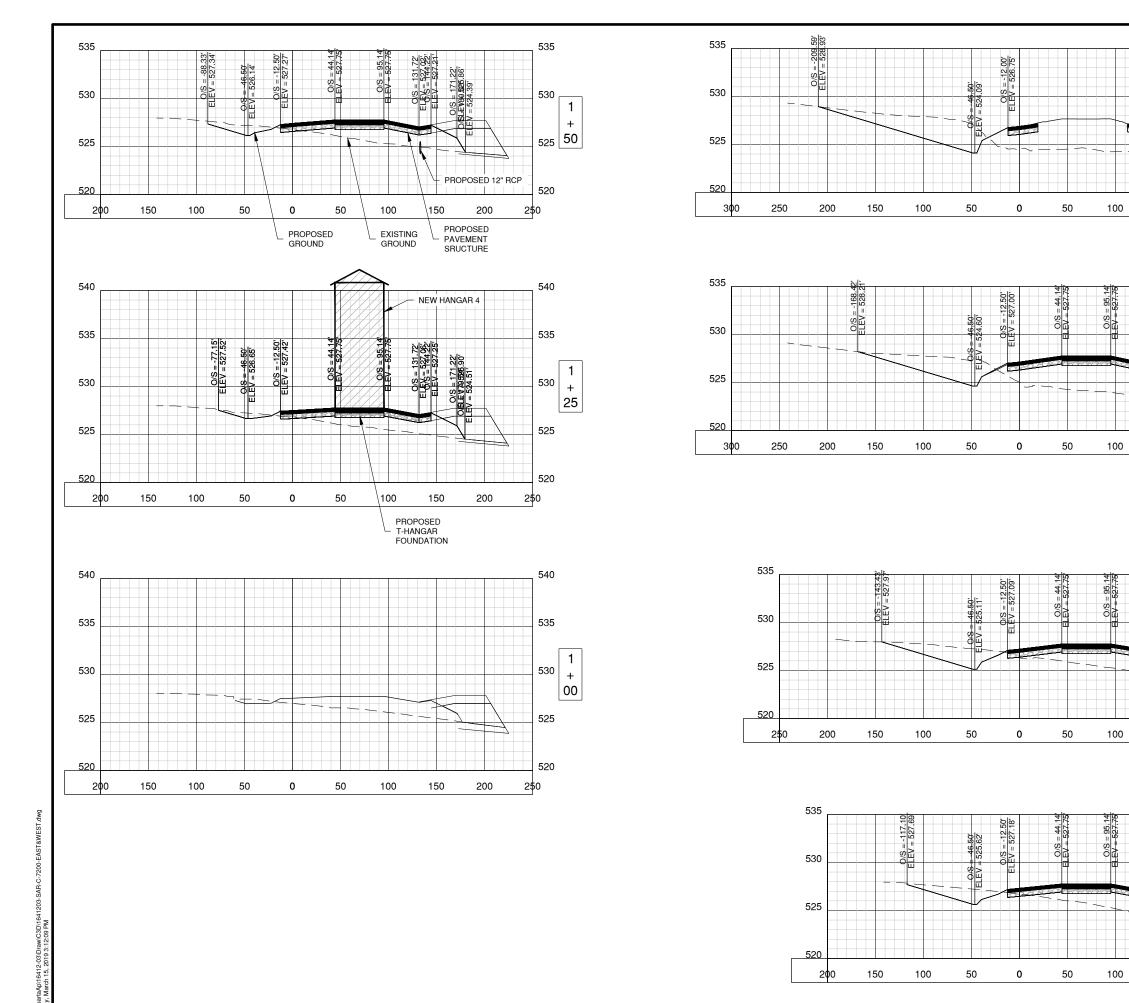
SPARTA COMMUNITY AIRPORT

LG501

51

SHEET 46







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535

530

520

535

2

525 25

520

535

530

520

535

530

520

<sub>525</sub> 75

2

525 00

150

O/S = 131.72' ELE/S = 526.92' ELEV = 527.16'

150

0/S = 131.72' ELE\&\(\frac{1}{2}\)\(\frac{1}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\fr

150

O/S = 131.72' EL5\S = 524.92' ELEV = 527.28'

150

O/S = 171.22′ **\$**LE\\(\beta\)\(\beta\

200

O/S=171.22' O/SEBNE:526.00' ELEV = 524.24'

200

00/S = 1271,222 14/V = 528-54-11 200

200

2

525 + 50

MARCH 1, 2019

REHAB T-HANGAR TAXILANES, CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1

OWNER



SPARTA COMMUNITY AIRPORT SPARTA, IL

MARK DATE DESCRIPTION

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IL. PROJ. NO. SAR-4583

CMT PROJECT NO: 1641203

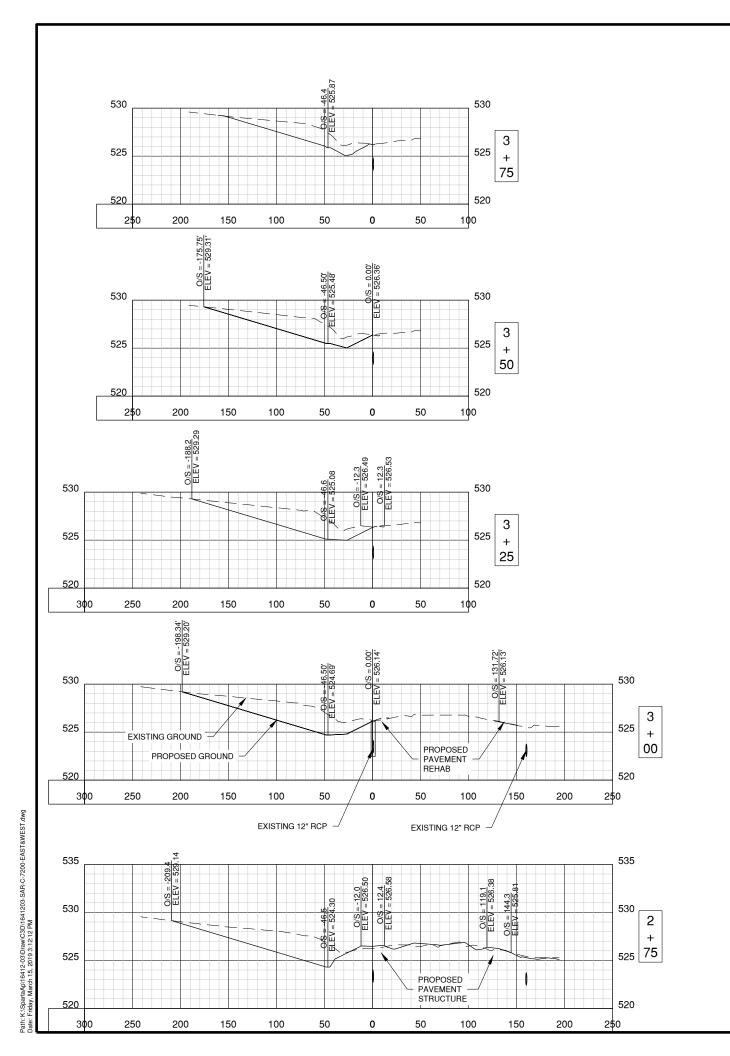
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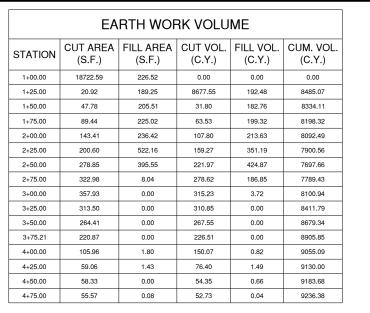
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SHEET TITLE

WEST BASELINE SECTION - 1

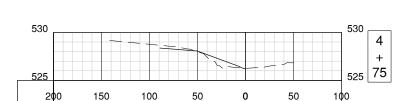
GC301 <sub>SHEET</sub> 48 of 51

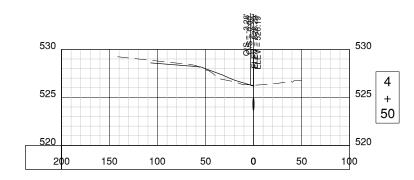


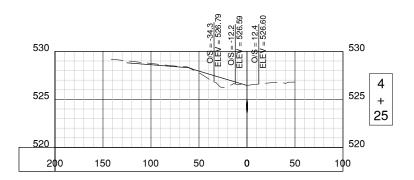


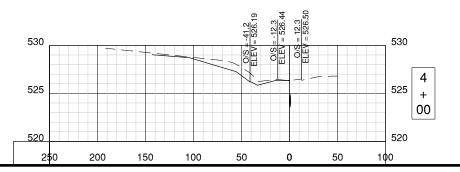
#### NOTE:

T-HANGARS FOUNDATION SHOWN IS 12" FOR EARTHWORK VOLUME CALCULATIONS. ACTUAL FOUNDATION DESIGN SHALL BE DETERMINED BY THE BUILDING
CONTRACTOR. VOLUME CALCULATIONS DO NOT INCLUDE THE FOUNDATIONS VOLUME.











License No. 184-000613 CONSULTANTS

MARCH 1, 2019

REHAB T-HANGAR TAXILANES CONSTRUCT NEW T-HANGAR & PAVEMENT, REHAB HANGAR 1



SPARTA COMMUNITY AIRPORT SPARTA, IL

١RK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-SBGP-111/120/133/139 IL. PROJ. NO. SAR-4583 CMT PROJECT NO: 1641203

CAD DWG FILE: 1641203-SAR-C-7200-EAST&WEST.DWG DESIGNED BY: DRAWN BY: CHECKED BY: CBG

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WEST BASELINE

SECTION - 2

GC302 51

SHEET 49

