

AIRPORT LOCATION MAP

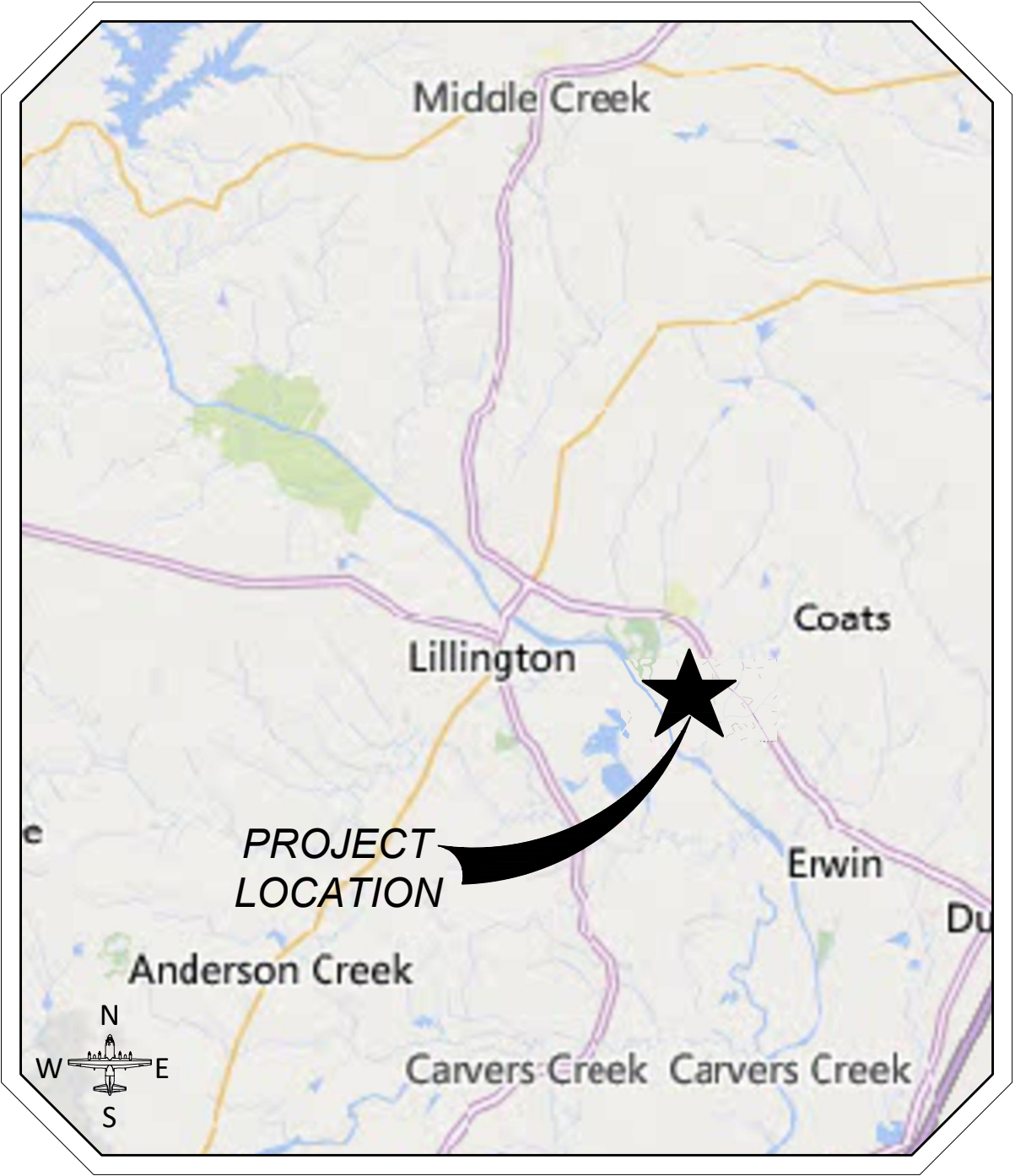


SCALE:1" = 1000'



HARNETT REGIONAL JETPORT
615 AIRPORT RD.,
ERWIN, NC 28339

AIRPORT VICINITY MAP



SCALE:1" = 20000'

FUEL FARM

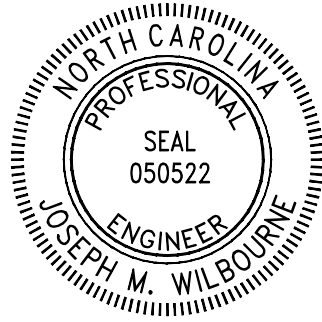
BID PLANS

APRIL 2025

NCDOT WBS #: 36237.25.21.1 (DESIGN / BIDDING)
NCDOT WBS #: TBD (CONSTRUCTION)

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G-001

Z:\PROJECTS\HRI - HARNETT REGIONAL JETPORT\2023 - FUEL FARM\03-DESIGN PHASE\A-AUTOCAD FILES\90% PLAN SET\02 - CSPP 1 - GENERAL NOTES.DWG

GENERAL NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO CONDUCT REGULAR CONSTRUCTION PROGRESS MEETINGS AS STATED IN THE CONTRACT WITH THE ENGINEER. ALL COORDINATION SHALL BE THROUGH THE ENGINEER. AGENDA ITEMS SHALL INCLUDE SCHEDULE PROGRESS AND CHANGES, OPERATIONAL SAFETY, SECURITY, TWO-WEEK LOOK AHEAD, AND MINUTES OF THE PREVIOUS MEETING.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST TWO WEEKS IN ADVANCE OF WORK REQUIRING THE SHUTDOWN OF AIRPORT PAVEMENTS. THE ENGINEER AND OWNER SHALL COORDINATE THE CLOSURES WITH THE FAA, TENANTS, AND ENSURE NOTAMS ARE ISSUED. WORK SHALL BE SCHEDULED AND PLANNED TO MINIMIZE THE DURATION OF THE SHUTDOWN.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE STORAGE AND PROTECTION OF THEIR MATERIALS AND EQUIPMENT. TEMPORARY STORAGE FACILITIES AND FENCING NECESSARY TO SECURE MATERIALS AND EQUIPMENT SHALL BE PAID FOR BY THE CONTRACTOR, NO ADDITIONAL PAYMENT WILL BE MADE.
4. TEMPORARY UTILITY CONNECTIONS ARE NOT PROVIDED. THE CONTRACTOR SHALL PROVIDE LEGALLY PERMITTED CONNECTIONS FOR THE DURATION OF THE CONTRACT. ALL COSTS ASSOCIATED WITH THESE CONNECTIONS SHALL BE BORNE BY THE CONTRACTOR. NO DIRECT PAYMENT SHALL BE MADE.
5. THE ENGINEER SHALL DESIGNATE LOCATIONS FOR THE STORAGE OF CONSTRUCTION EQUIPMENT AND VEHICLES DURING NON-WORKING HOURS. UNDER NO CIRCUMSTANCES WILL EQUIPMENT BE ALLOWED UNATTENDED WITHIN OBJECT FREE AREAS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A CLEAN WORK SITE AND SHALL BE RESPONSIBLE FOR THE CLEAN UP AND DISPOSAL OF TRASH AND DEBRIS GENERATED BY HIS ACTIVITIES. NO BURNING WILL BE ALLOWED ONSITE AND DEBRIS SHALL BE HAULED OFF AND DISPOSED OF OFFSITE BY LEGAL MEANS.
7. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A WATER TRUCK ONSITE AND IN OPERATION AT ALL TIMES WHILE DUST GENERATING ACTIVITIES ARE BEING PERFORMED. EXAMPLES INCLUDE MILLING, SAW CUTTING, EARTHWORK OPERATIONS, AND ANY OTHER DUST PRODUCING ACTIVITY. CONTRACTOR SHALL BE REQUIRED TO PAY FOR ANY CLEANING OR REPAIRS TO AIRCRAFT, VEHICLES, EQUIPMENT, OR FACILITIES AS A RESULT OF FAILURE TO CONTROL DUST.
8. CONTRACTOR IS TO PROVIDE VERIFICATION SURVEY, CONSTRUCTION LAYOUT, AND AS-BUILT SURVEY IN ACCORDANCE WITH THE PROJECT MANUAL. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE SURVEY AND ALL MEASUREMENTS NEEDED TO LAYOUT AND CONSTRUCT THE WORK TO TOLERANCES AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. ALL SURVEY WORK MUST BE PREPARED BY A SURVEYOR LICENSED TO PERFORM SURVEY WORK IN THE STATE IN WHICH THE PROJECT IS LOCATED.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL BENCHMARKS, STAKES, AND LIMITS LINES. ANY DAMAGED STAKES OR LAYOUT ITEMS SHALL BE REPLACED IMMEDIATELY. ANY DEVIATIONS FROM THE PROJECT OR PHASE LIMITS FOR EACH PHASE MUST BE APPROVED BY THE ENGINEER.
- 10.DURING WORK IN HIGH NOISE AREAS, CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PROTECT HIS FORCES. EAR PLUGS, MUFFS, OR OTHER SUITABLE HEARING PROTECTION SHALL BE REQUIRED.
- 11.CONTRACTOR SHALL BE AWARE OF, AND PROTECT ALL AIRFIELD FACILITIES, DEVICES, AND EQUIPMENT IN THE VICINITY OF HIS WORK AREA. ANY DAMAGE TO NAVAIDS, LIGHTING, ELECTRICAL WIRING, OR OTHER INFRASTRUCTURE SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. REPAIRS TO ANY DAMAGED ITEMS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 12.PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL PERFORM A SITE VISIT TO DETERMINE THE EXISTING CONDITIONS. IF ANY DISCREPANCIES ARE OBSERVED FROM THE INFORMATION PROVIDED IN THE PLANS, THE CONTRACTOR SHALL REPORT THEM TO THE ENGINEER PRIOR TO SUBMITTING A BID. ANY SITE IMPROVEMENTS NECESSARY TO SUPPORT CONTRACTOR MATERIALS OR EQUIPMENT SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
- 13.PROJECT PAY ITEMS AS PROVIDED ON THE BID FORM ARE TO BE CONSIDERED INCLUSIVE OF ALL WORK TO BE PERFORMED TO COMPLETE EACH PAY ITEM. ANY WORK NOT IDENTIFIED WITH A SPECIFIC PAY ITEM SHALL BE CONSIDERED INCIDENTAL WORK REQUIRED TO COMPLETE THE PROJECT AND NO ADDITIONAL PAYMENT WILL BE MADE.
- 14.QUANTITIES SHOWN IN THE BID ARE APPROXIMATE AND ARE PROVIDED FOR THE PURPOSE OF BIDDING. QUANTITIES SHALL BE MEASURED IN THE FIELD AND PAID ACCORDING TO THE ACTUAL UNITS COMPLETED IN PLACE.
- 15.ANY DISPUTES ARISING FROM THE CONTRACT SHALL BE DETERMINED BY THE PROJECT MANAGER WHOSE DECISION SHALL BE FINAL.
- 16.THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING STRICT COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS FOR ESTABLISHING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ABATEMENT OF POLLUTION AND SEDIMENTATION FROM DISTURBED AREAS AND MATERIAL STOCKPILES.
- 17.CONTRACTOR SHALL REVIEW, LOCATE, AND CLEARLY MARK ALL AIRFIELD UTILITIES WITHIN THE WORK AREA PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE THIS EFFORT WITH THE ENGINEER.
- 18.IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACQUIRE ALL REQUIRED LOCAL AND STATE PERMITS NOT PROVIDED BY THE ENGINEER.
- 19.THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF HAZARDOUS WASTE IS ENCOUNTERED DURING CONSTRUCTION.
- 20.CONTRACTOR SHALL CONDUCT DAILY SELF INSPECTIONS IN ACCORDANCE WITH FAA AC150/5370-2G APPENDIX 4 "CONSTRUCTION SAFETY DAILY SAFETY INSPECTION CHECKLIST".
- 21.IF NECESSARY, A FINAL INSPECTION WILL BE SCHEDULED PRIOR TO PROJECT ACCEPTANCE.
- 22.CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A LIST OF AFTER HOURS CONTACTS. THE LIST SHALL INCLUDE NAMES, TITLES, CELL AND HOME PHONE NUMBERS.
- 23.THE CONTRACTOR SHALL FOLLOW THE PHASING PLAN AS DESCRIBED IN THE PLANS. ANY CHANGES OR DEVIATIONS FROM THIS PLAN MAY REQUIRE REVIEW AND APPROVAL FROM THE OWNER AND FAA.

ACCESS AND SECURITY NOTES

1. THE CONTRACTOR AND HIS/HER PERSONNEL WORKING WITHIN THE AIR OPERATIONS AREA SHALL KNOW AND COMPLY WITH ALL AIRPORT SECURITY REQUIREMENTS. THE CONTRACTOR SHALL DESIGNATE A "CONTRACTOR SECURITY OFFICER" AND ALTERNATE AND PROVIDE THE AIRPORT AND THE ENGINEER, IN WRITING, WITH THE NAME AND CONTACT INFORMATION.
2. THE CONTRACTOR SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING AND ENSURING ONSITE STAFF ARE KNOWLEDGEABLE OF SECURITY REQUIREMENTS, SHALL CONDUCT REGULAR SECURITY BRIEFINGS AND SHALL HAVE THE AUTHORITY TO IMMEDIATELY TAKE CORRECTIVE ACTIONS TO ELIMINATE AND PREVENT SECURITY DEFICIENCIES.
3. THE CONTRACTOR PERSONNEL SHALL ONLY BE ALLOWED TO ACCESS THE JOB SITE BY THE LOCATIONS AND ROUTES AS SHOWN ON THE PLANS. ANY REQUEST FOR ALTERNATE ENTRY LOCATIONS OR ROUTES SHALL BE SUBMITTED IN WRITING TO THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN CONTROL OVER AIRFIELD ACCESS GATES AND PROVIDE TRAINED PERSONNEL TO CONTROL ENTRY TO THE AIRFIELD DURING PERIODS WHERE THE GATES ARE OPEN. THE CONTRACTOR WILL ENSURE ONLY AUTHORIZED PERSONNEL ARE ADMITTED AIRSIDE.
4. THE CONTRACTOR SHALL PREVENT HIS PERSONNEL FROM ENTERING AIRCRAFT MOVEMENT AREAS. SHOULD CONSTRUCTION OR HAUL OPERATIONS REQUIRE CROSSING ACTIVE AIRFIELD PAVEMENTS, THE CONTRACTOR SHALL CONTROL CONSTRUCTION TRAFFIC FOR AIRCRAFT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SWEEPING AND IMMEDIATE REMOVAL OF ANY FOD DEPOSITED ON PAVEMENTS BY THE CONSTRUCTION TRAFFIC.
5. MATERIAL DELIVERIES SHALL BE MADE AT THE DESIGNATED CONTRACTOR ACCESS POINT. CONTRACTOR SHALL PROVIDE ESCORTS OR OTHER MEANS OF ENSURING MATERIALS ARE DELIVERED TO THE CORRECT LOCATIONS.
6. THE LIMITS OF CONSTRUCTION, MATERIAL STORAGE AREAS, CONTRACTOR PARKING AREAS, AND ANY OTHER AREAS DESIGNATED FOR USE BY THE CONTRACTOR SHALL BE MARKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. WHEN APPROVED BY THE ENGINEER, THE CONTRACTOR MAY ERECT FENCING AROUND THEIR DESIGNATED AREAS AT THEIR OWN EXPENSE.
7. THE CONTRACTOR THROUGH THEIR CONTRACTOR SECURITY OFFICER SHALL MAINTAIN A CURRENT LIST OF ALL CONTRACTOR AND SUBCONTRACTOR VEHICLES AUTHORIZED TO OPERATE ONSITE. EACH VEHICLE SHALL HAVE A COMPANY SIGN DISPLAYED AT ALL TIMES. ALL PERSONNEL OPERATING VEHICLES AIRSIDE SHALL BE REQUIRED TO TAKE AN AIRFIELD DRIVERS COURSE AS REQUIRED BY THE AIRPORT. CONTRACTOR EMPLOYEE VEHICLES WILL NOT BE ALLOWED TO OPERATE AIRSIDE AND WILL BE LIMITED TO THE DESIGNATED CONTRACTOR EMPLOYEE PARKING AREAS.
8. THE CONTRACTOR SHALL MAINTAIN A CURRENT LIST OF ALL EMPLOYEES AND SUBCONTRACTOR EMPLOYEE AUTHORIZED ON THE WORK SITE. COPIES OF THE LIST SHALL BE PROVIDED TO THE AIRPORT AND THE ENGINEER.
9. THE CONTRACTOR MAY USE A LOCK (DAISY CHAIN) ON ANY DESIGNATED GATE THAT IS NOT MECHANICALLY OPERATED.

QUALITY CONTROL REQUIREMENTS

1. THE CONTRACTOR SHALL BE REQUIRED TO PREPARE AND SUBMIT A QUALITY CONTROL PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL WITHIN 10 DAYS OF ISSUANCE OF THE NOTICE OF AWARD. THE NOTICE TO PROCEED WILL NOT BE ISSUED UNTIL THE PLAN IS APPROVED. THE PLAN SHALL CONTAIN AT A MINIMUM THE FOLLOWING:
 - CONTRACTOR CONTACT INFORMATION AND ORGANIZATIONAL FLOW CHART FOR SUPERVISORY PERSONNEL.
 - DESIGNATION OF THE QUALITY CONTROL OFFICER
 - IDENTIFICATION OF CONTRACTORS PERSONNEL AUTHORIZED TO STOP WORK IN ORDER TO CORRECT QUALITY ISSUES.
 - NAMES, COMPANY, CONTACT INFORMATION, AND CERTIFICATIONS OF ALL PERSONNEL INCLUDING SUB CONSULTANTS THAT WILL BE AUTHORIZED TO PERFORM QC TESTING.
 - DETAILED DESCRIPTIONS OF THE QUALITY CONTROL PROCESS FOR EACH MAJOR WORK ELEMENT. THE DESCRIPTIONS SHALL INCLUDE PRELIMINARY INSPECTIONS TO BE PERFORMED, A SCHEDULE (TABLE) OF VISUAL INSPECTIONS, A SCHEDULE OF FIELD AND LABORATORY QUALITY CONTROL TESTING REQUIREMENTS, PROGRESS INSPECTION REQUIREMENTS, PROCEDURES USED TO MONITOR THE WORK IN PROGRESS, AND FINAL INSPECTION PROCEDURES TO VERIFY THE SPECIFICATION REQUIREMENTS HAVE BEEN MET, AND PROCEDURES FOR CORRECTIVE ACTION IF SPECIFICATION REQUIREMENTS ARE NOT MET.
2. QUALITY CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PAY FOR ALL QUALITY CONTROL TESTING. ALL MATERIAL TESTING SHALL BE PERFORMED BY A LICENSED TESTING FIRM THAT IS ACCREDITED TO PERFORM EACH SPECIFIC TESTING ITEM.
3. QUALITY ASSURANCE TESTING WILL BE PERFORMED BY THE AIRPORT AT ITS OWN EXPENSE. IN THE EVENT THAT MATERIALS ARE RETESTED DUE TO FAILURE TO MEET THE SPECIFICATIONS, THE CONTRACTOR SHALL PAY THE COST OF RETESTING THE MATERIAL.

AIRCRAFT FUELING SYSTEM SAFETY NOTES

1. THERE IS AIRCRAFT FUEL DISPENSING EQUIPMENT, UNDERGROUND PIPING, ETC. ADJACENT TO THE PROJECT AREA.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THIS SYSTEM DURING CONSTRUCTION AND WILL BE FINANCIALLY RESPONSIBLE FOR ANY DAMAGE, LOSS, AND CLEAN UP EFFORTS RESULTING FROM DAMAGE TO ANY PORTION OF THE SYSTEM.
3. THE CONTRACTOR SHALL NOT PERFORM VIBRATORY COMPACTION, CORING, OR OTHER DISTURBING OPERATION IN THE VICINITY OF THIS EQUIPMENT.
4. IF DAMAGE TO THE SYSTEM OCCURS, THE CONTRACTOR SHALL STOP OPERATIONS, EVACUATE PERSONNEL, AND CONTACT EMERGENCY SERVICES IMMEDIATELY. THE CONTRACTOR SHALL ALSO NOTIFY THE OWNER IMMEDIATELY.

STORAGE , STAGING, AND HAUL REQUIREMENTS

1. THE CONTRACTOR SHALL LIMIT STORAGE, LAYDOWN, AND STAGING AREAS TO THE LOCATIONS SHOWN ON THE PLANS. ANY DEVIATION FROM THE AREAS IDENTIFIED MUST BE APPROVED IN WRITING BY THE ENGINEER.
2. THE CONTRACTOR SHALL PAY ALL COSTS ASSOCIATED WITH SETUP OF THE STORAGE AND STAGING AREAS TO INCLUDE TEMPORARY FENCING, CLEARING, GRADING AND ANY TEMPORARY UTILITIES. THE CONTRACTOR SHALL ALSO PAY ALL COSTS ASSOCIATED WITH RESTORING THE SITE TO ITS ORIGINAL CONDITION PRIOR TO PROJECT CLOSEOUT.
3. ONLY ROADS AND ROUTES DESIGNATED IN THE PLANS SHALL BE USED FOR HAUL OPERATIONS. THE CONTRACTOR SHALL LIMIT ALL CONSTRUCTION EQUIPMENT, MATERIAL DELIVERY, AND VEHICLE OPERATIONS TO THOSE DESIGNATED ROUTES. NO DEBRIS SHALL BE ALLOWED ON THE ROADWAYS OR AIRFIELD PAVEMENTS. THE CONTRACTOR SHALL KEEP PAVED AREAS AND ADJACENT ROADWAYS IN GOOD REPAIR AND CLEAN WITH A POWER BROOM.
4. THE CONTRACTOR SHALL RESTORE ALL AIRPORT SERVICE ROADS, AIRFIELD PAVEMENTS, AND OFF AIRPORT ROADWAYS TO THEIR ORIGINAL CONDITION UPON COMPLETION OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO DOCUMENT ANY EXISTING DAMAGE WITH LOCATIONS AND DESCRIPTIONS PRIOR TO START OF CONSTRUCTION. THE ENGINEER WILL CONDUCT A WALK THROUGH WITH THE CONTRACTOR TO VERIFY EXISTING DAMAGES. UPON START OF CONSTRUCTION THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGES NOT RECORDED.
5. UNPAVED STAGING AREAS AND HAUL ROADS WILL BE RESTORED WITH SEED AND MULCH UNLESS ANOTHER METHOD IS APPROVED IN WRITING BY THE PROJECT MANAGER. NO ADDITIONAL PAY WILL BE GRANTED FOR SITE RESTORATION.
6. ANY FENCING ERECTED AIRSIDE ADJACENT TO AIRCRAFT USE PAVEMENTS SHALL BE FRANGIBLE, AS APPROVED BY ENGINEER.
7. WHEN STAGING IS ALLOWED ON PAVEMENT CONNECTED TO ACTIVE AIRCRAFT USE AREAS, THE CONTRACTOR SHALL CLEARLY DELINEATE HIS STAGING AREA TO DETER AIRCRAFT ENTRY. EXAMPLES WOULD INCLUDE FRANGIBLE FENCING, RAISED RED OR ORANGE ROPES AND STANCHIONS WITH REFLECTIVE TAPE AT 10' INTERVALS, OR LOW PROFILE AIRCRAFT BARRICADES. ALL WORK TO BE APPROVED BY ENGINEER.

PROJECT CONTACTS	
AIRPORT	
NAME	BRADLEY ABATE
COMPANY	HARNETT REGIONAL JEPOR
ADDRESS	615 AIRPORT RD, ERWIN, NC 28339
PHONE	(910)-814-2740
EMAIL	BABATE@HARNETT.ORG
ENGINEER	
COMPANY	PARRISH AND PARTNERS, LLC
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EMAIL	JWILBOURNE@PARRISHANDPARTNERS.COM
CONTACT	JOSEPH WILBOURNE, PE
SURVEYOR	
NAME	ANDY CLARK
COMPANY	REGIONAL LAND SURVEYORS
PHONE	(336)-665-8155
ADDRESS	8642 W MARKET ST, SUITE 100 GREENSBORO, NC 28518
EMERGENCY - AIRPORT OPERATIONS CENTER (AOC)	
PHONE	(910)-814-2740
HARNETT COUNTY FIRE MARSHAL'S OFFICE	
NAME	RON SULLIVAN
PHONE	(910)-893-0740



HARNETT REGIONAL JETPORT
615 AIRPORT RD, ERWIN, NC
28339



PARRISH AND PARTNERS OF NORTH CAROLINA, LLC

REVISIONS	APPR						
	DESCRIPTION						
	DATE						
	NO.						
DESIGNER	TECHNICIAN	QC REVIEWER					
CNH	CNH	JMW					

PROJECT NAME

FUEL FARM

FAA AIP NO. N/A

STATE GRANT NO. 36237.25.21.1

SHEET NAME

CSPP 1 - GENERAL NOTES



JOSEPH M. WILBOURNE
NC PE NO. 050522

DATE PREPARED ----

P&P PROJECT NO. 1602

DRAWING NO.

G-100

SHEET 2 OF 25

1. THE CONTRACTOR SHALL OBTAIN CURRENT VERSIONS OF, ENSURE PROPER UNDERSTANDING OF, AND INCLUDE THE FOLLOWING SAFETY PROVISIONS INTO THE CONSTRUCTION PROJECT:

- E. COPIES OF THESE DOCUMENTS ARE AVAILABLE ONLINE AT NO CHARGE FROM THE FAA. PLEASE ALSO REFER TO THE PROJECT MANUAL FOR OTHER SAFETY RELATED MATTERS.

3. THE CONTRACTOR IS PROHIBITED FROM USING ANY OF THE EXISTING RUNWAYS OR TAXIWAYS AS PART OF THE HAUL ROAD UNLESS INDICATED ON THE DRAWINGS OR SPECIFICALLY AUTHORIZED BY THE ENGINEER.

5. NO CONTRACTOR VEHICLES, EQUIPMENT, OR PERSONNEL SHALL CROSS OR BE WITHIN ANY AIRCRAFT MOVEMENT AREA, RUNWAY OR TAXIWAY OBJECT FREE AREA EXCEPT DURING CONSTRUCTION PERIOD CLOSURES OR WHEN CLEARANCE IS NECESSARY AND GRANTED BY AIRPORT STAFF. WHILE ACCESS IS GRANTED, THE CONTRACTOR IS REQUIRED TO PROVIDE A FLAGMAN ON EACH ACTIVE CROSSING TO DIRECT VEHICULAR TRAFFIC AND SAFEGUARD AIRCRAFT TRAFFIC. THE CONTRACTOR IS ALSO REQUIRED TO HAVE APPROVED BY THE OWNER, PROPER EQUIPMENT AT EACH CROSSING TO KEEP THE AREA CLEAN OF ALL DIRT AND DEBRIS AND SAFE FOR ALL AIRCRAFT TRAFFIC.

7. OPEN FLAME WELDING OR TORCH CUTTING OPERATIONS ARE PROHIBITED UNLESS APPROPRIATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN ENGAGED.

8. STOCKPILED MATERIAL SHALL BE CONTROLLED UTILIZING METHODS TO PREVENT ANY MOVEMENT RESULTING FROM AIRCRAFT JET BLASTS OR WIND CONDITIONS IN EXCESS OF TEN KNOTS.

9. THE CONTRACTOR SHALL AT ALL TIMES MANAGE THEIR CONSTRUCTION OPERATIONS AS SHOWN ON THE PROJECT LAYOUT SHEET, SAFETY PLANS, AND THE PHASING PLAN. THE CONTRACTOR IS REQUIRED TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE OWNER TO MINIMIZE ANY INTERFERENCE TO AIRCRAFT OPERATIONS DURING CONSTRUCTION OF THE PROJECT.

10. THE CONTRACTOR IS REQUIRED TO HAVE A WORKING TWO-WAY RADIO ON SITE AT ALL TIMES DURING CONSTRUCTION AND ASSIGN RESPONSIBLE PERSONNEL TO CONTINUOUSLY MONITOR UNICOM FREQUENCY 122.7. PERSONNEL ASSIGNED SHALL BE FAMILIAR WITH THE PHONETIC ALPHABET AND TRAINED IN PROPER RADIO PHRASEOLOGY AND USAGE.

11. ALL ACTIVE AIRPORT OPERATIONAL AREAS WHICH ARE ADJACENT TO A CONSTRUCTION WORK AREA MUST BE SEPARATED BY LOW PROFILE AIRFIELD BARRICADES WITH RED LIGHTS (REFER TO THE DETAIL ON SHEET G-102). THE CONTRACTOR IS REQUIRED TO PROVIDE AND INSTALL SAID BARRICADES. NO CONSTRUCTION TRAFFIC IS ALLOWED TO CROSS ACTIVE AIRPORT OPERATIONAL AREAS UNLESS PRE-APPROVED BY AIRPORT OPERATIONS.

12. ALL GATES MUST BE LOCKED AND SECURED AT ALL TIMES. A GATE GUARD MAY BE USED BUT NO ADDITIONAL COMPENSATION WILL BE MADE IF CONTRACTOR ELECTS TO USE A GATE GUARD. GATE GUARDS ARE REQUIRED TO BE RESPONSIBLE FOR GRANTING ACCESS TO AUTHORIZED PERSONS OR VEHICLES AND MAINTAINING ABSOLUTE GATE CONTROL.

13. CONTRACTOR AND SUBCONTRACTOR REPRESENTATIVES WILL BE REQUIRED TO ATTEND THE "CONSTRUCTION SAFETY ON AIRPORTS" MEETING PRIOR TO THE ONSET OF WORK. SAFETY DISCUSSIONS WITH THE ENGINEER WILL BE REVIEWED AT EACH REGULARLY SCHEDULED CONSTRUCTION PROGRESS MEETING AND ANY ADDITIONAL SAFETY MEETINGS WILL BE SCHEDULED AS NECESSARY.

14. CONSTRUCTION DURING THE PROJECT MAY BE STOPPED AT ANY TIME BY AIRPORT STAFF IF IT IS DETERMINED TO BE IN THE BEST INTEREST OF AIRPORT ACTIVITIES, SAFETY OR SECURITY. THE CONTRACTOR MAY BE INSTRUCTED TO REMOVE EQUIPMENT AND/OR EVACUATE THE SITE IF CONSIDERED NECESSARY BY THE OWNER. EXTENSIONS IN CONTRACT TIME WILL BE GRANTED OR A STOP WORK ORDER WILL BE ISSUED DUE TO THESE DELAYS BUT THERE WILL BE NO ADJUSTMENTS IN CONTRACT PRICE DUE TO THESE WORK STOPPAGES.

15. UPON THE DISCOVERY OF ANY LINES, PIPES OR CONDUITS THAT HAVE NOT BEEN PREVIOUSLY IDENTIFIED, THE CONTRACTOR SHALL IMMEDIATELY STOP EXCAVATION AND CONTACT THE ENGINEER. EXCAVATION WILL NOT CONTINUE UNTIL THE ITEM IS IDENTIFIED AND/OR APPROVAL TO CONTINUE IS RECEIVED BY THE PROJECT MANAGER AND AIRPORT OPERATIONS.

16. THE CONTRACTOR IS REQUIRED TO PROVIDE AT LEAST ONE PERSON TO BE ON CALL 24-HOURS A DAY FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING, BARRICADES AND EMERGENCY REPAIRS OF PROJECT RELATED WORK. THE CONTRACTOR IS REQUIRED TO PROVIDE THIS INFORMATION IN THE SECURITY PLAN AND FILE THE CONTACT PERSON(S) NAME WITH AIRPORT OPERATIONS.

17. PAYMENT OF ALL FINES ASSESSED TO THE AIRPORT AUTHORITY AS A RESULT OF VIOLATIONS OF FAA OR OTHER LOCAL, STATE, FEDERAL, SAFETY, OR ENVIRONMENTAL AGENCY REQUIREMENTS BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE PRIME CONTRACTOR.

- 18.EVERY CONTRACTOR AND SUBCONTRACTOR EMPLOYEE OPERATING A VEHICLE ON ANY PORTION OF THE AIRPORT OPERATIONS AREA (AOA) MUST BE FAMILIAR WITH AND UNDERSTAND THE FOLLOWING:

- A. THE AIRPORTS RULES AND REGULATIONS;
- B. THE AIRPORTS PROCEDURES FOR THE OPERATION OF VEHICLES;
- C. AIRPORT MARKINGS AND MOVEMENT AREA MARKINGS;

- D. THE DESIGNATED HAUL ROUTE AND OPERATIONAL REQUIREMENTS/RESTRICTIONS FOR THE ROUTE; AND

- E. THE CONSEQUENCES OF NON-COMPLIANCE WITH ANY OF THE ABOVE MAY RESULT IN THE LOSS OF DRIVING PRIVILEGES.

- ALL THOSE DESIGNATED TO DRIVE ON THE AIRFIELD ARE REQUIRED TO ATTEND AND PASS AN AIRPORT DRIVERS TRAINING CLASS PRIOR TO DRIVING ON THE AIRPORT.

19. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SIGNAGE THAT MAY BE REQUIRED BY LOCAL AND STATE AUTHORITIES AND NO ADDITIONAL COMPENSATION WILL BE MADE FOR THIS ITEM.

20. ALL CONTRACTOR VEHICLES THAT ARE REQUIRED TO CROSS ACTIVE RUNWAYS, TAXIWAYS AND APPROACH CLEAR ZONES ARE TO DO SO ONLY WHILE UNDER THE DIRECT CONTROL OF A FLAGMAN. THE FLAGMAN IS REQUIRED TO BE PROPERLY BADGED, TRAINED AND INSTRUCTED BY AIRPORT OPERATIONS IN THE REGULATION GOVERNING OPERATIONS ON THE AOA THE FLAGMAN IS TO BE FURNISHED BY THE CONTRACTOR AND IT IS TO BE UNDERSTOOD BY THE CONTRACTOR THAT AIRPORT TRAFFIC ON RUNWAYS, TAXIWAYS AND APRONS SHALL HAVE ABSOLUTE PRIORITY OVER THE CONTRACTOR'S TRAFFIC AT ALL TIMES.

21. NOTICE TO AIR MISSIONS (NOTAMS) - NOTAMS ALERT PILOTS OF POTENTIALLY HAZARDOUS CONDITIONS IN THE AIRPORT OPERATING AREA. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE NECESSARY INFORMATION ON CONSTRUCTION CONDITIONS (PAVEMENT CLOSURE, TIE-INS, ETC.) TO THE OWNER A MINIMUM OF 72 HOURS PRIOR SO THAT A NOTAM CAN BE ISSUED IN ACCORDANCE WITH ESTABLISHED CRITERIA BY THE OWNER TO THE FAA FLIGHT SERVICE STATION.

- 22.NO RUNWAY, TAXIWAY, APRON OR AIRPORT ROADWAY CLOSURES SHALL TAKE PLACE WITHOUT APPROVAL OF THE OWNER SO THAT PROPER NOTICE TO AIRMEN (NOTAM) OR ADVISORIES TO AIRPORT SERVICE OR TENANTS CAN OCCUR.

23. ANY CONSTRUCTION OR OPEN TRENCHES IN EXCESS OF 3 INCHES WITHIN 75 FEET OF ACTIVE RUNWAY CENTERLINES OR WITHIN 22 FEET OF THE EDGE OF BOTH ACTIVE TAXIWAYS AND APRON PAVEMENTS WILL REQUIRE CLOSURE OF THE AFFECTED RUNWAY OR TAXIWAY, UNLESS OTHERWISE APPROVED BY THE OWNER AND THE ENGINEER. EXCAVATION AND OPEN TRENCHES MAY BE PERMITTED UP TO THE EDGE OF ACTIVE TAXIWAY PAVEMENTS PROVIDED THE DROP-OFF IS SATISFACTORILY MARKED, LIGHTED, SIGNED AND SATISFIES THE OWNER AND THE ENGINEER. ANY CLOSURE REQUIRES THE SAME PROVISIONS AS STATED ABOVE.

24. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIALS LOCATED IN THE AOA SHALL BE PROMINENTLY MARKED WITH FLAGS AND APPROVED LIGHT UNITS DURING HOURS OF LIMITED VISIBILITY AND/OR DARKNESS. NO STOCKPILED MATERIALS HIGHER THAN 20 FEET SHALL BE PERMITTED WITHIN SAFETY AREAS.

25. THE ENGINEER WILL ARRANGE FOR INSPECTION BY THE OWNER OF ANY RUNWAY, TAXIWAY OR APRON THAT HAS BEEN CLOSED FOR WORK, OR THAT HAS BEEN USED FOR A CROSSING POINT OR HAUL ROUTE BY THE CONTRACTOR PRIOR TO THE OPENING FOR AIRCRAFT USE.

26. THE CONTRACTOR IS RESPONSIBLE FOR CERTIFYING THAT ALL MOTOR VEHICLE OPERATORS (PRIVATE OR CONTRACTOR) HAVE APPROPRIATE VEHICLE INSURANCE, THAT ALL OPERATORS HAVE CURRENT AND VALID DRIVERS LICENSE (CURRENT ISSUE), AND HAVE SUCCESSFULLY COMPLETED THE AIRPORT DRIVER TRAINING CLASS.

27. ANY FOD (DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS OR BEING INGESTED BY JET ENGINES) CREATED OR OBSERVED BY THE CONTRACTOR OR HIS PERSONNEL IN THE AIRCRAFT OPERATING AREA IS REQUIRED TO IMMEDIATELY BE REMOVED BY THE CONTRACTOR. IF ANY FOD IS OBSERVED OUTSIDE THE CONSTRUCTION AREA CLEANUP IS TO BE COORDINATED WITH AIRPORT STAFF.

28. CONTRACTOR EQUIPMENT, MATERIALS, AND VEHICLES SHALL BE PARKED OUTSIDE OF THE OBJECT FREE AREA (OFA) FOR ANY AIRPORT TAXIWAY OR RUNWAY WHEN NOT IN USE OR DURING NON WORKING HOURS.

29. ALL FOOD WASTE, WRAPPERS, AND CONTAINERS SHALL BE REMOVED FROM THE PROJECT SITE DAILY TO MINIMIZE WILDLIFE ATTRACTANTS.

30. THE CONTRACTOR SHALL MAKE ALL ATTEMPTS TO MINIMIZE THE DURATION OF OPEN STOCKPILES AND IF NECESSARY COVER THE STOCKPILES WITH AN EROSION CONTROL MATTING WITH ADEQUATE WEIGHTS TO ENSURE THE COVERING IS NOT DISPLACED WHEN EXPOSED TO HIGH WINDS OR JET BLAST.

31. WHEN NOT IN USE ALL CONTRACTOR EQUIPMENT SHALL BE PLACED OUTSIDE OF ACTIVE OBJECT FREE AREAS. CRANES, DRILL RIGS, LIFTS, ETC SHALL BE LOWERED TO THE MAXIMUM EXTENT POSSIBLE.

32. THE CONTRACTOR IS RESPONSIBLE FOR CLEANUP OF HAZARDOUS MATERIALS GENERATED FROM CONSTRUCTION EQUIPMENT. PERSONNEL ONSITE SHALL BE TRAINED AND EQUIPPED TO CLEAN UP FUEL, HYDRAULIC FLUIDS, AND ANY OTHER HAZARDOUS SUBSTANCE USED IN THE PERFORMANCE OF WORK.

33. IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR IS TO NOTIFY APPROPRIATE EMERGENCY SERVICES. NO AIRCRAFT RESCUE AND FIREFIGHTING SERVICES ARE PRESENT ON AIRPORT PROPERTY.



HARNETT REGIONAL JETPORT
615 AIRPORT RD, ERWIN, NC
28339



PARRISH & PARTNERS
PARRISH AND PARTNERS OF NORTH CAROLINA, LLC

REVISIONS				APPR
NO.	DATE	DESCRIPTION		
DESIGNER CNH				
TECHNICIAN CNH				
QC REVIEWER JMW				

PROJECT NAME	
FUEL FARM	
FAA AIP NO.	N/A
STATE GRANT NO.	36237.25.21.1
SHEET NAME	

CSPP 2 - SAFETY NOTES

ENGINEER'S SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
050522
ENGINEER
JOSEPH M. WILBOURNE

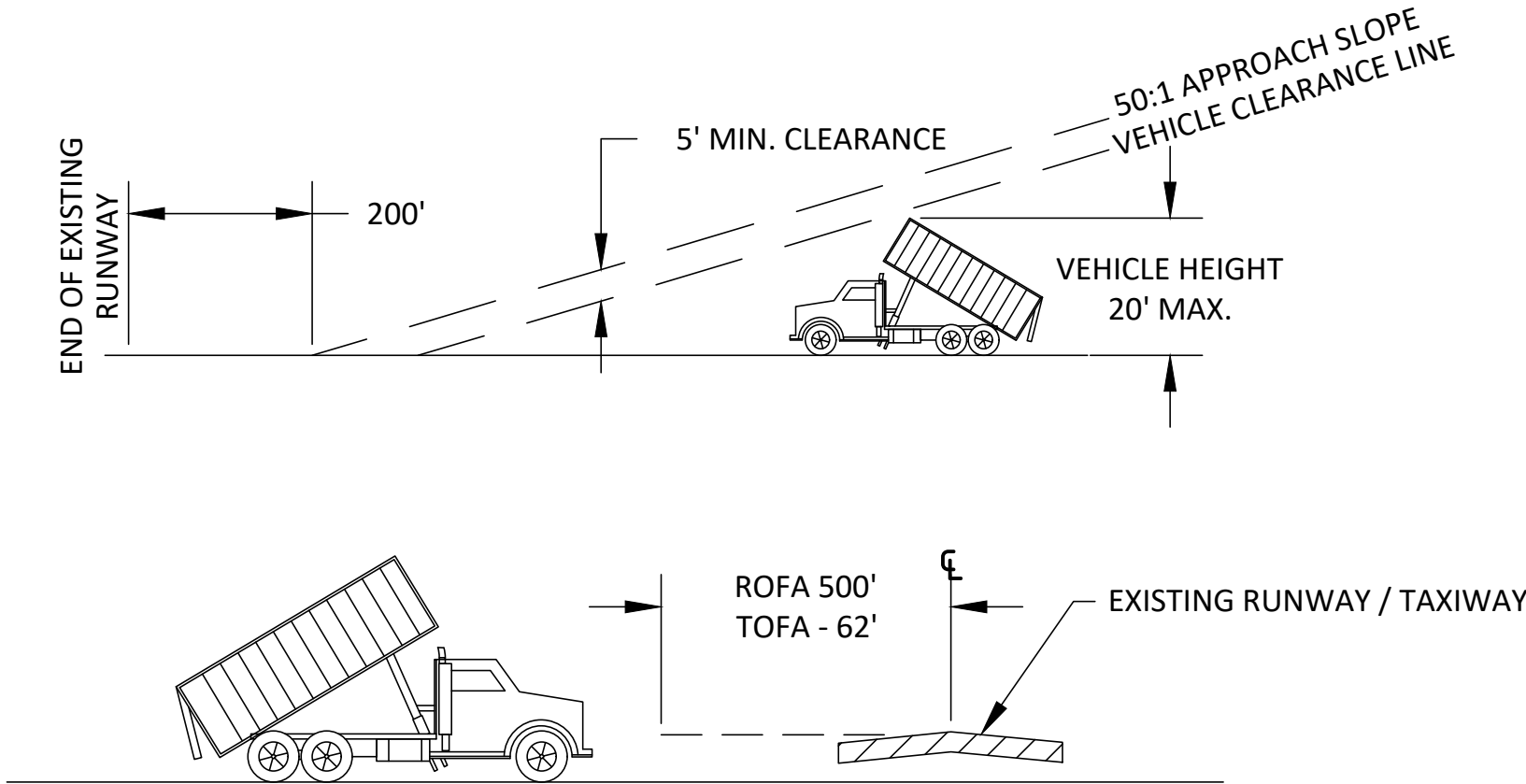
JOSEPH M. WILBOURNE
NC PE NO. 050522

DATE PREPARED	---
P&P PROJECT NO.	1602
DRAWING NO.	

G-101

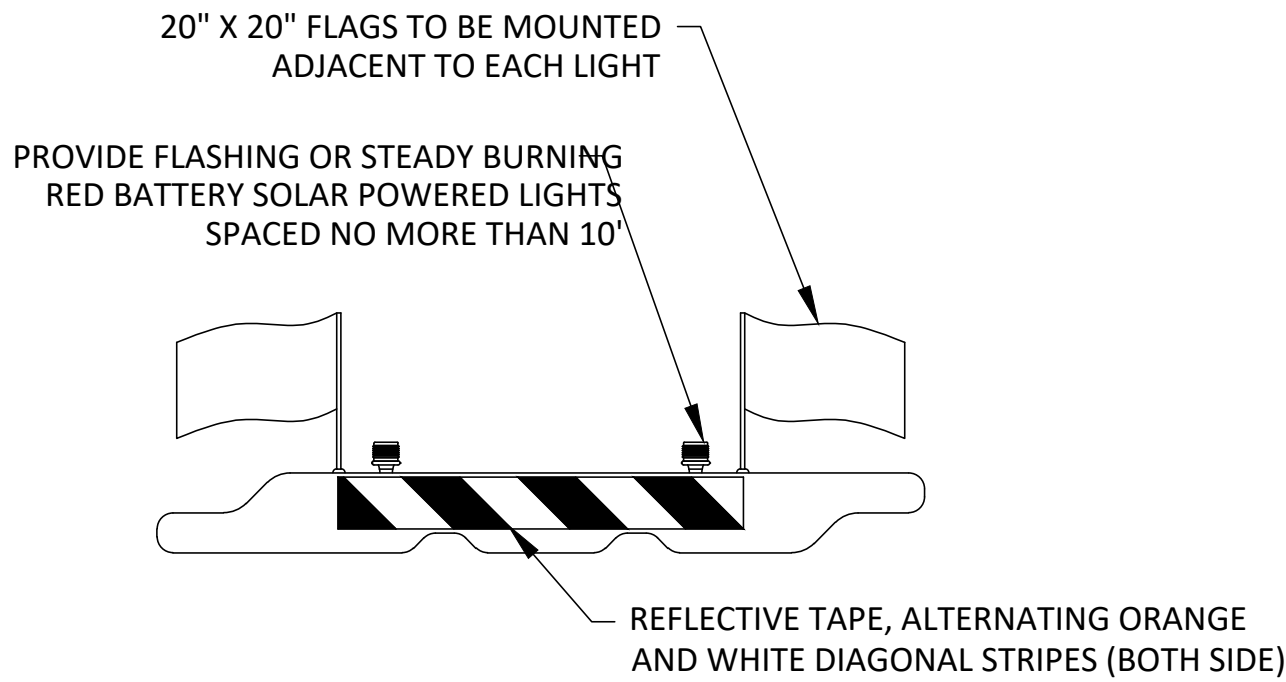
SHEET 4 OF 25

Z:\PROJECTS\HRI - HARNETT REGIONAL JETPORT\2023 - FUEL FARM\03-DESIGN PHASE\A-AUTOCAD FILES\90% PLAN SET\04 - CSPP 3 - SAFETY DETAILS.DWG



CONSTRUCTION EQUIPMENT CLEARANCE DETAIL

NTS

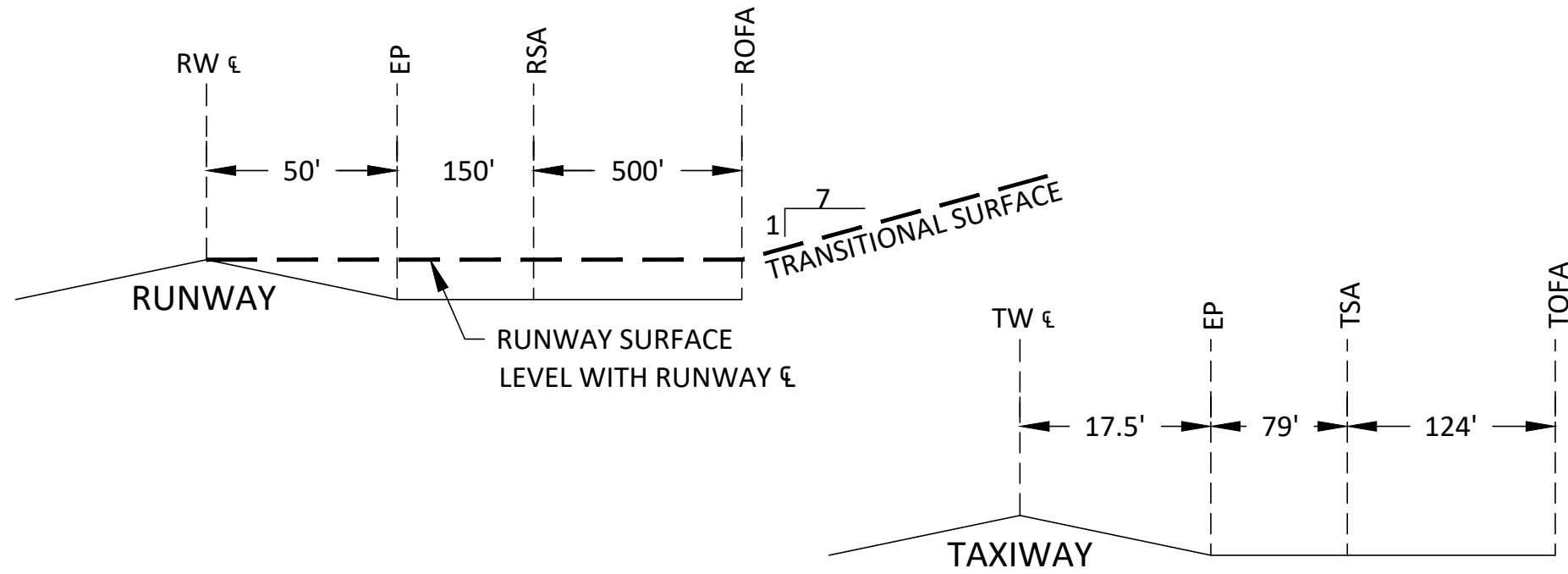


LOW PROFILE BARRICADE DETAIL

NTS

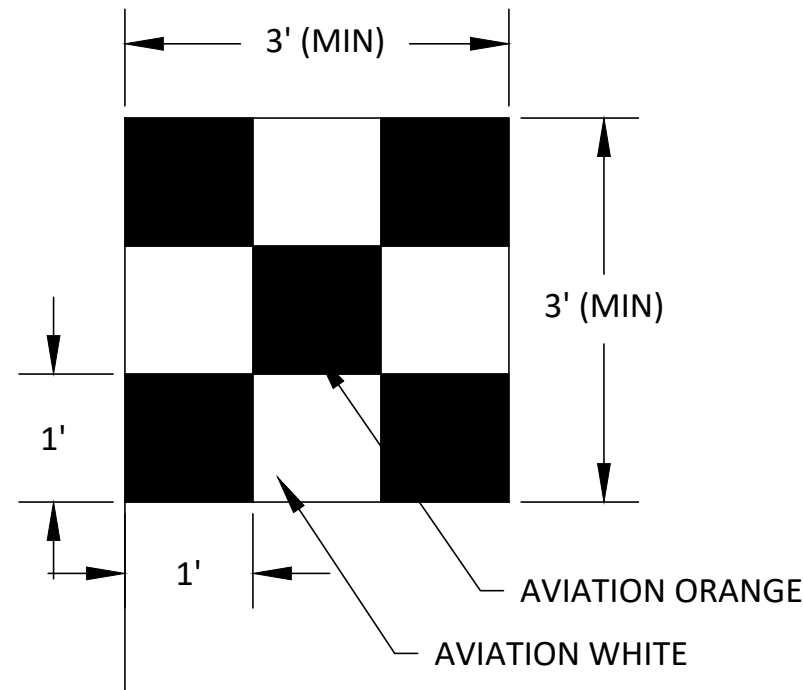
NOTES:

1. GAPS BETWEEN BARRICADES MUST NOT EXCEED 4'.
2. BARRICADES MUST BE ADEQUATELY SECURED/WEIGHTED TO WITHSTAND HIGH WINDS AND/OR JET BLAST.
3. LIGHTS ARE TO BE OPERATING EVERY NIGHT AND DURING LOW VISIBILITY CONDITIONS, PRIOR TO LEAVING THE SITE.
4. BARRICADES ARE TO BE IN PLACE AS A FIRST ORDER OF WORK FOR EACH WORK AREA AND MULTIPLE RELOCATIONS AND REGULAR MAINTENANCE SHALL BE ANTICIPATED.
5. NO BARRICADES ARE PERMITTED INSIDE AN ACTIVE SAFETY AREA. BARRICADE PLACEMENT MUST BE APPROVED BY OWNER.



RUNWAY AND TAXIWAY PROTECTION AREAS

NTS



CONSTRUCTION SAFETY FLAG DETAIL

NTS

NOTES:

1. SAFETY FLAGS SHALL BE SECURELY AFFIXED TO THE HIGHEST POINT OF ALL CONSTRUCTION EQUIPMENT AND PROMINENTLY DISPLAYED.
2. VEHICLES MAY SUBSTITUTE THE FLAG WITH A FLASHING AMBER LIGHT.
3. ALL EQUIPMENT SHALL BE REQUIRED TO HAVE AN OPERATIONAL FLASHING AMBER LIGHT DURING PERIODS OF DARKNESS OR REDUCED VISIBILITY.



HARNETT REGIONAL JETPORT
615 AIRPORT RD, ERWIN, NC
28339



PARRISH AND PARTNERS OF NORTH CAROLINA, LLC

NO.	DATE	DESCRIPTION	APPR
DESIGNER	CNH	TECHNICIAN	CNH
QC REVIEWER	JMW		

PROJECT NAME

FUEL FARM

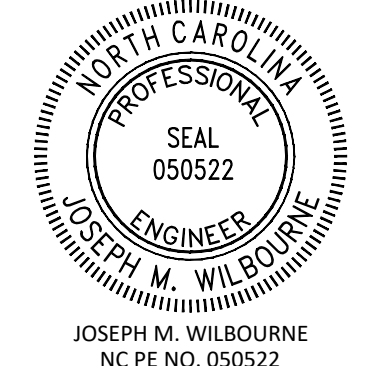
FAA AIP NO. N/A

STATE GRANT NO. 36237.25.21.1

SHEET NAME

CSPP 3 -
SAFETY DETAILS

ENGINEER'S SEAL



DATE PREPARED: ---

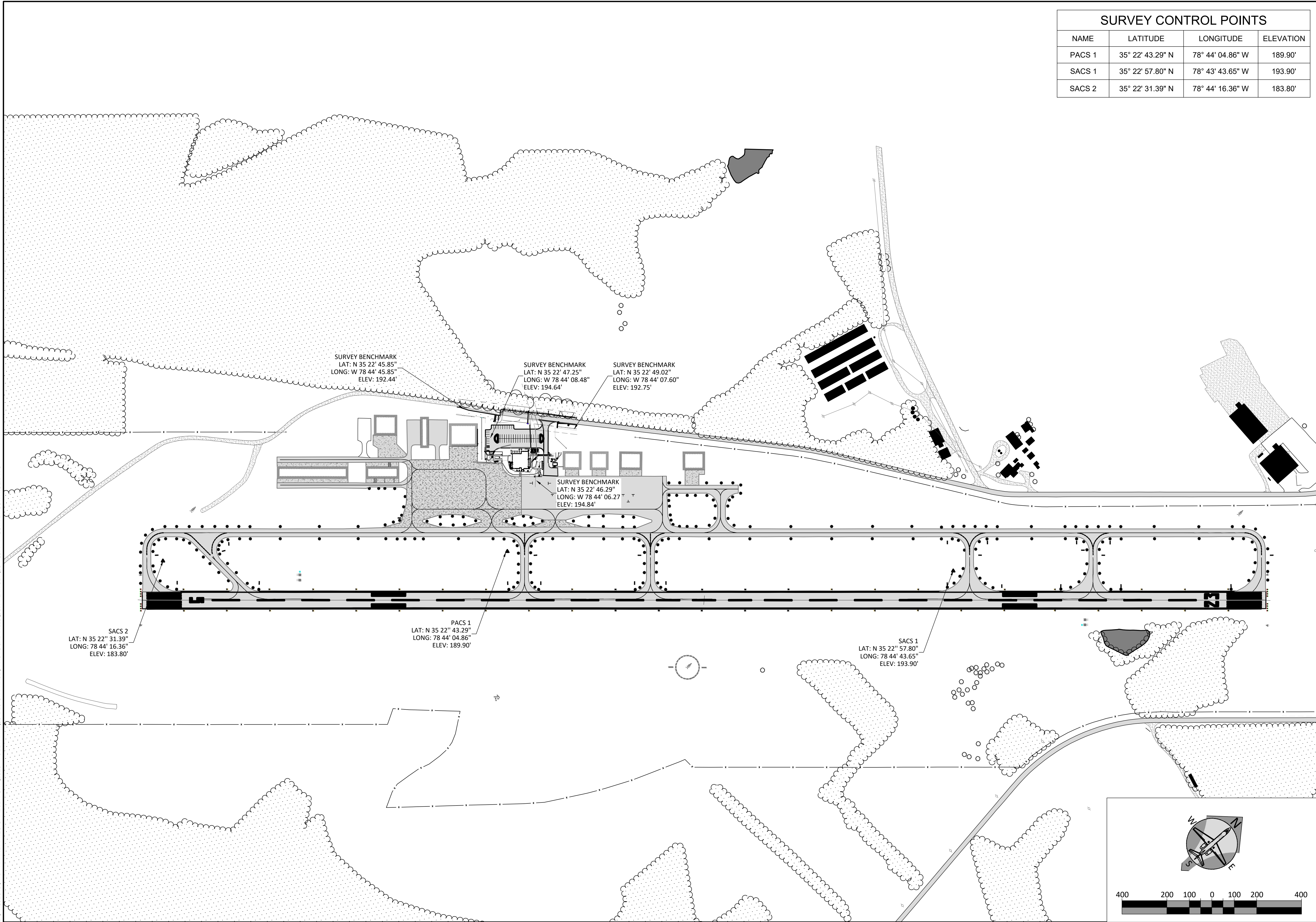
P&P PROJECT NO. 1602

DRAWING NO.

G-102

SHEET 4 OF 25

Z:\PROJECTS\HRI - HARNETT REGIONAL JETPORT\2023 - FUEL FARM\03-DESIGN PHASE\A-AUTOCAD FILES\90% PLAN SET\05 - CSPP 4 - SURVEY CONTROL.DWG



HARNETT REGIONAL JETPORT
615 AIRPORT RD, ERWIN, NC
28339

PARRISH AND PARTNERS OF NORTH CAROLINA, LLC

APPR							
REVISIONS							
DESCRIPTION							
DATE							
NO.							
DESIGNER	CNH	TECHNICIAN	CNH	QC REVIEWER	JMW		

PROJECT NAME

FUEL FARM

FAA AIP NO.

N/A

STATE GRANT NO.

36237.25.21.1

SHEET NAME

CSPP 4 -
SURVEY CONTROL

ENGINEER'S SEAL

JOSEPH M. WILBOURNE
INC. PE NO. 050522

DATE PREPARED

P&P PROJECT NO.

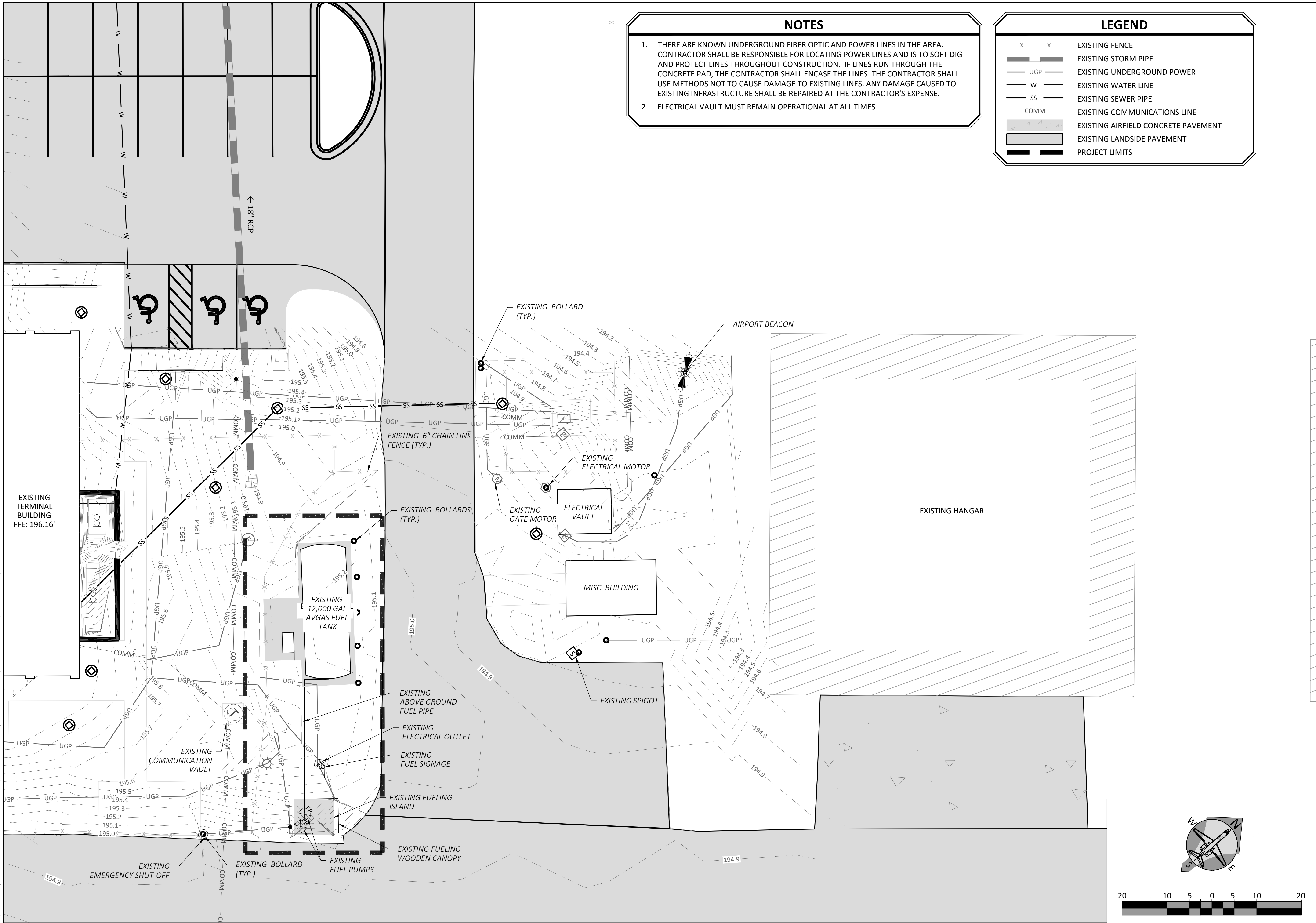
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DRAWING NO.

G-103

SHEET 5 OF 25

Z:\PROJECTS\HRI - HARNETT REGIONAL JETPORT\2023 - FUEL FARM\03-DESIGN PHASE\A-AUTOCAD FILES\90% PLAN\SET\06 - EXISTING CONDITIONS.DWG



NOTES

1. THERE ARE KNOWN UNDERGROUND FIBER OPTIC AND POWER LINES IN THE AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING POWER LINES AND IS TO SOFT DIG AND PROTECT LINES THROUGHOUT CONSTRUCTION. IF LINES RUN THROUGH THE CONCRETE PAD, THE CONTRACTOR SHALL ENCASE THE LINES. THE CONTRACTOR SHALL USE METHODS NOT TO CAUSE DAMAGE TO EXISTING LINES. ANY DAMAGE CAUSED TO EXISTING INFRASTRUCTURE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
2. ELECTRICAL VAULT MUST REMAIN OPERATIONAL AT ALL TIMES.

LEGEND

	EXISTING FENCE
	EXISTING STORM PIPE
	EXISTING UNDERGROUND POWER
	EXISTING WATER LINE
	EXISTING SEWER PIPE
	EXISTING COMMUNICATIONS LINE
	EXISTING AIRFIELD CONCRETE PAVEMENT
	EXISTING LANDSIDE PAVEMENT
	PROJECT LIMITS



HARNETT REGIONAL JETPORT
615 AIRPORT RD, ERWIN, NC
28339



REVISIONS		APPR				
NO.	DATE	DESCRIPTION				
DESIGNER	TECHNICIAN	QC REVIEWER				
CNH	CNH	JMW				

PROJECT NAME
FUEL FARM

FAA AIP NO.
N/A

STATE GRANT NO.
36237.25.21.1

SHEET NAME
EXISTING CONDITIONS

ENGINEER'S SEAL

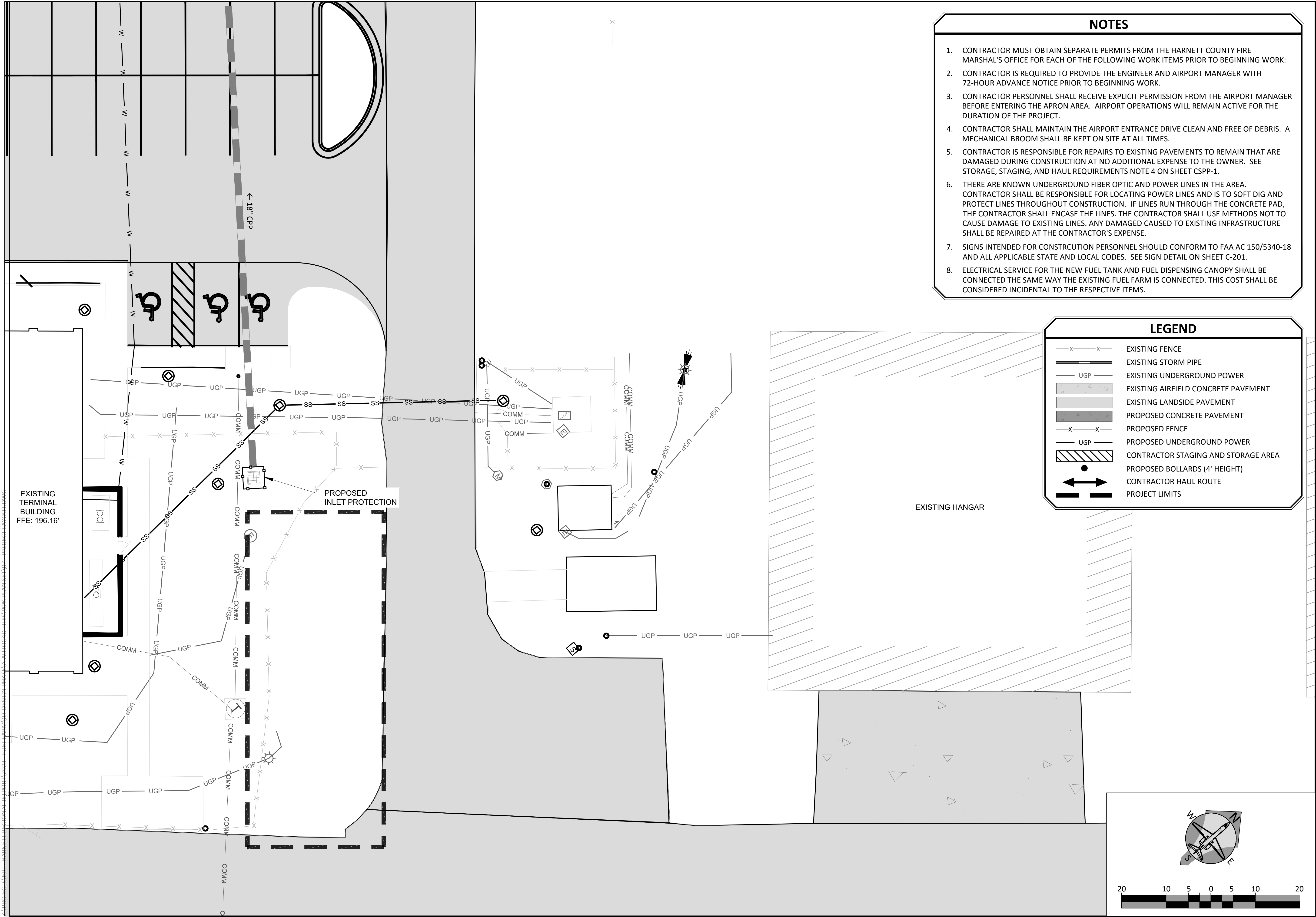
JOSEPH M. WILBOURNE
INC. PE NO. 050522

DATE PREPARED

P&P PROJECT NO.
1602

DRAWING NO.
C-101

SHEET 7 OF 25



Z:\PROJECTS\HRL - HARNETT REGIONAL JETPORT\2023 - FUEL FARM\03-DESIGN PHASE\A-AUTOCAD FILES\90% PLAN SET\07 - PROJECT LAYOUT.DWG

HARNETT REGIONAL JETPORT
615 AIRPORT RD, ERWIN, NC
28339

PARRISH AND PARTNERS OF NORTH CAROLINA, LLC

NO.		DATE	DESCRIPTION	REVISIONS	APPR
DESIGNER	CNH	TECHNICIAN	CNH	QC REVIEWER	JMW

PROJECT NAME

FUEL FARM

FAA AIP NO. N/A

STATE GRANT NO. 36237.25.21.1

SHEET NAME

PROJECT LAYOUT

ENGINEER'S SEAL

JOSEPH M. WILBOURNE
NC PE NO. 050522

DATE PREPARED

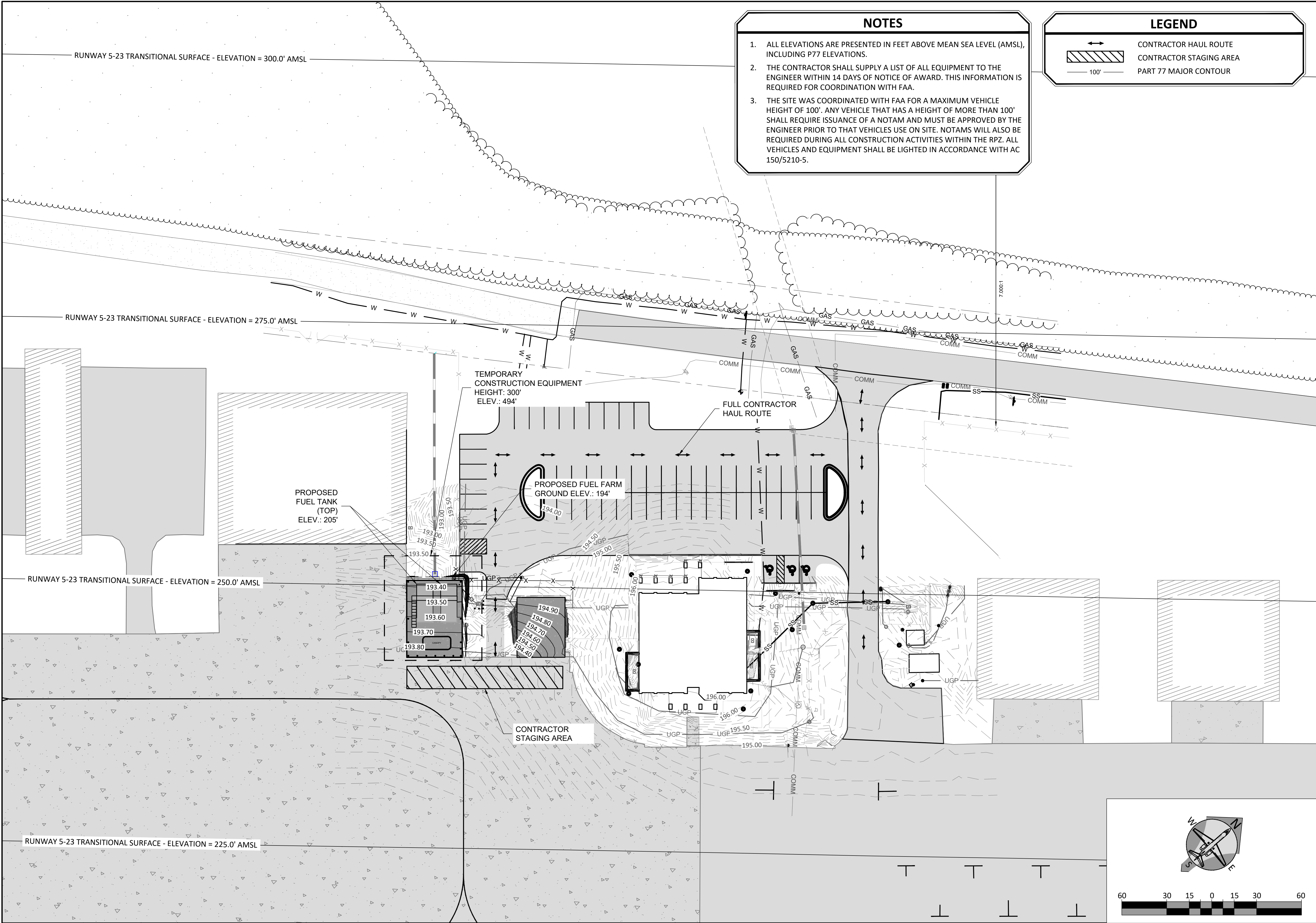
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DRAWING NO.

C-201

SHEET 9 OF 25

Z:\PROJECTS\HRJ - HARNETT REGIONAL JETPORT\2023 - FUEL FARM\03-DESIGN PHASE\A-AUTOCAD FILES\90% PLAN\SET\08 - CONSTRUCTION EQUIPMENT HEIGHTS.DWG



NOTES

1. ALL ELEVATIONS ARE PRESENTED IN FEET ABOVE MEAN SEA LEVEL (AMSL), INCLUDING P77 ELEVATIONS.
2. THE CONTRACTOR SHALL SUPPLY A LIST OF ALL EQUIPMENT TO THE ENGINEER WITHIN 14 DAYS OF NOTICE OF AWARD. THIS INFORMATION IS REQUIRED FOR COORDINATION WITH FAA.
3. THE SITE WAS COORDINATED WITH FAA FOR A MAXIMUM VEHICLE HEIGHT OF 100'. ANY VEHICLE THAT HAS A HEIGHT OF MORE THAN 100' SHALL REQUIRE ISSUANCE OF A NOTAM AND MUST BE APPROVED BY THE ENGINEER PRIOR TO THAT VEHICLES USE ON SITE. NOTAMS WILL ALSO BE REQUIRED DURING ALL CONSTRUCTION ACTIVITIES WITHIN THE RPZ. ALL VEHICLES AND EQUIPMENT SHALL BE LIGHTED IN ACCORDANCE WITH AC 150/5210-5.

LEGEND

- CONTRACTOR HAUL ROUTE
- CONTRACTOR STAGING AREA
- PART 77 MAJOR CONTOUR

NO.	DATE	DESCRIPTION	APPR	DESIGNER	TECHNICIAN	QC REVIEWER
				CNH	CNH	JMW

PROJECT NAME
FUEL FARM

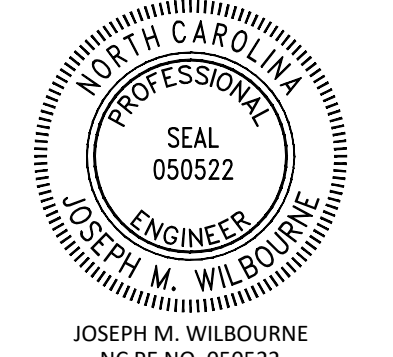
FAA AIP NO. N/A

STATE GRANT NO. 36237.25.21.1

SHEET NAME

CONSTRUCTION
EQUIPMENT
HEIGHTS

ENGINEER'S SEAL



DATE PREPARED

P&P PROJECT NO. 1602

DRAWING NO.

C-300

SHEET 10 OF 25

Z:\PROJECTS\HRI - HARNETT REGIONAL JETPORT\2023 - FUEL FARM\03-DESIGN PHASE\A-AUTOCAD FILES\90% PLAN SET\09 - PHASING PLAN.DWG

NOTES

- CONTRACTOR MUST OBTAIN SEPARATE PERMITS FROM THE HARNETT COUNTY FIRE MARSHAL'S OFFICE FOR ABOVE GROUND STORAGE TANK INSTALLATION PRIOR TO BEGINNING WORK.
- CONTRACTOR IS REQUIRED TO PROVIDE THE ENGINEER AND AIRPORT MANAGER WITH 72-HOUR ADVANCE NOTICE PRIOR TO BEGINNING WORK.
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- CONTRACTOR SHALL MAINTAIN THE AIRPORT ENTRANCE DRIVE CLEAN AND FREE OF DEBRIS. A MECHANICAL BROOM SHALL BE KEPT ON SITE AT ALL TIMES.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRS TO EXISTING PAVEMENTS TO REMAIN THAT ARE DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL EXPENSE TO THE OWNER. SEE STORAGE, STAGING, AND HAUL REQUIREMENTS NOTE 4 ON SHEET CSPP-1.
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- THE AIRPORT SPONSOR SHALL NOTIFY THE FAA'S AIR TRAFFIC ORGANIZATION (ATO) PLANNING AND REQUIREMENTS (P&R) SERVICE AREA OFFICE A MINIMUM OF 45 DAYS PRIOR TO THE "PHYSICAL CONSTRUCTION START DATE" FOR THIS PROJECT. SUBMIT FAA FORM ENTITLED "AIRPORT SPONSOR STRATEGIC EVENT SUBMISSION FORM" INCLUDING ALL DATE, TIME AND/OR DURATION CHANGES VIA EMAIL TO 9-AJV-SEC-ESA@FAA.GOV.

BASE BID PHASING INFORMATION

PHASE	DURATION	LIQUIDATED DAMAGES	DESCRIPTION
PRECON	60 DAYS	\$2,000/DAY	PRECONSTRUCTION PHASE INCLUDES WORK AS FOLLOWS: - SHOP DRAWINGS - PROGRESS SCHEDULE, WARRANTIES, BONDS, INSURANCE - PRE-CONSTRUCTION SURVEY - PERMITTING - MOBILIZATION - ORDERING OF WORK ITEMS WITH LONG LEAD TIMES
PHASE 1	75 DAYS	\$2,000/DAY	PHASE 1: CIVIL SITEWORK. THIS PHASE SHALL GENERALLY CONSIST OF: - MOBILIZATION - CONCRETE MONOLITHIC SLAB INSTALLATION - INSTALLATION OF TWO (2) NEW 12,000 GALLON ABOVE GROUND FUEL TANK AND ASSOCIATED PUMPS AND APPURTENANCES - INSTALLATION OF BOLLARDS - STABILIZATION OF DISTURBED SOILS THE 60 DAYS OF WORK SHALL INCLUDE 45 DAYS FOR CONSTRUCTION AND 30 DAYS FOR CURING OF THE CONCRETE SLAB.
PHASE 2	40 DAYS	\$2,000/DAY	PHASE 2: FUEL FARM SYSTEM INSTALLATION, TESTING, AND CERTIFICATION. THIS PHASE SHALL GENERALLY CONSIST OF: - DEMOLITION OF EXISTING FUEL TANKS AND QT POD - INSTALLATION OF NEW FENCING AND GATES - ENSURE NEW FUEL TANK IS FULLY OPERATIONAL AND AIRPORT FUEL TRUCKS HAVE DIRECT ACCESS TO CONDUCT RE-FUELING OPERATIONS - FUEL TRUCK PARKING CONCRETE SLAB
PUNCHLIST	15 DAYS	\$2,000/DAY	PUNCHLIST SHALL BE DONE WITHIN THE INDICATED AMOUNT OF DAYS AFTER THE SUBSTANTIAL COMPLETION WALKTHROUGH PERFORMED BY THE ENGINEER, THE OWNER, AND THE CONTRACTOR.

TOTAL CONSTRUCTION TIME: 115 CALENDAR DAYS

TOTAL CONTRACT TIME: 190 CALENDAR DAYS

LEGEND

— PL —	AIRPORT PROPERTY LINE
-X-X-	EXISTING FENCE
-X-X-	PROPOSED FENCE
↔	CONTRACTOR HAUL ROUTE
- - -	PROJECT LIMITS
▨	EXISTING AIRFIELD PAVEMENT
▩	EXISTING LANDSIDE PAVEMENT
▨	PROPOSED CONCRETE PAVEMENT
▨	CONTRACTOR STAGING AND STORAGE AREA
●	PROPOSED BOLLARDS (4' HEIGHT)

ING HANGAR

CATWALK STAIRS. CONTRACTOR TO ENSURE TANK SEPARATION PROVIDES ADEQUATE ROOM FOR ACQUIRED CATWALK AND ASSOCIATED STAIRS.

PROPOSED CONCRETE SLAB

PROPOSED CATWALK BETWEEN ALL FUEL TANKS. CONTRACTOR TO SITUATE IN ORDER TO PROVIDE ACCESS TO BLUE ACCESS VALVES.

CONTRACTOR HAUL ROUTE

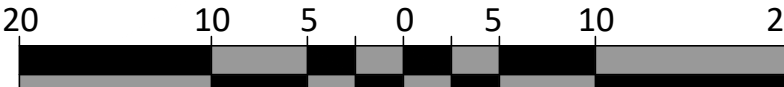
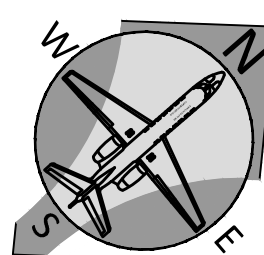
PROPOSED CONCRETE SLAB

PROPOSED FUEL TRUCK PARKING AREA

CONTRACTOR STAGING AREA

EXISTING APRON

BARRICADES (TYP.) TO REMAIN IN PLACE FOR PHASE 1 AND 2



HARNETT REGIONAL JETPORT
615 AIRPORT RD, ERWIN, NC
28339



APPR	NO.	DATE	DESCRIPTION
CNH			
CNH			
JMW			

PROJECT NAME

FUEL FARM

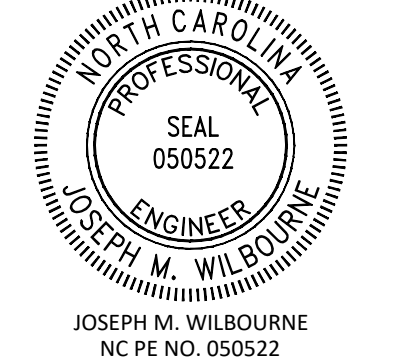
FAA AIP NO. N/A

STATE GRANT NO. 36237.25.21.1

SHEET NAME

PHASING PLAN

ENGINEER'S SEAL



DATE PREPARED

P&P PROJECT NO. 1602

DRAWING NO.

C-400

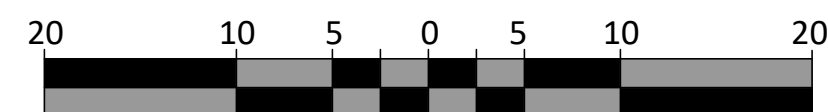
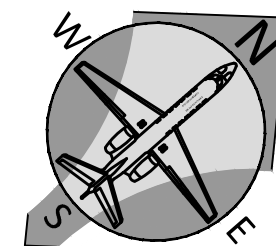
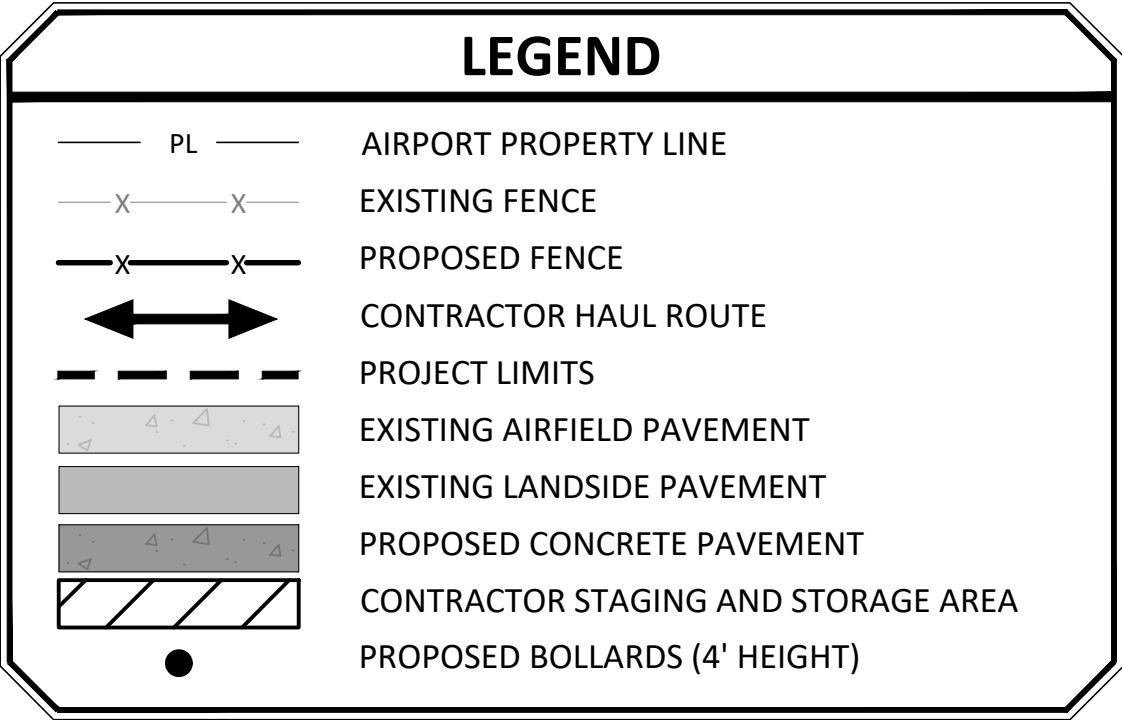
SHEET 11 OF 25

NOTES

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TOTAL CONSTRUCTION TIME: 115 CALENDAR DAYS
TOTAL CONTRACT TIME: 190 CALENDAR DAYS



NO.	DATE	DESCRIPTION	APPR
DESIGNER CNH			
TECHNICIAN CNH			
QC REVIEWER JMW			

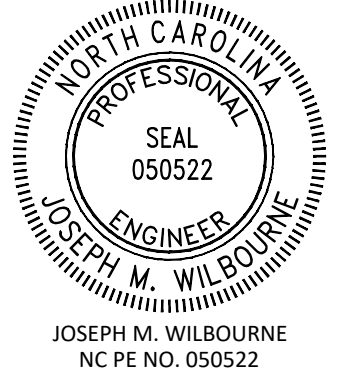
PROJECT NAME

QUEL FARM

STATE AJP NO.	N/A
STATE GRANT NO.	36237.25.21.1
SHEET NAME	

PHASING PLAN

ENGINEER'S SEAL

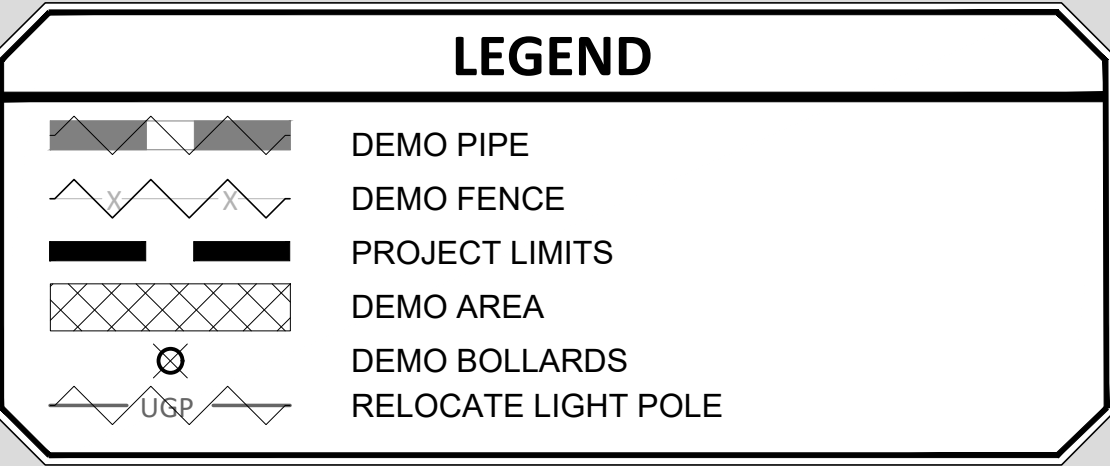


DATE PREPARED: 0000

W&P PROJECT NO. 1602

DRAWING NO.

C-401



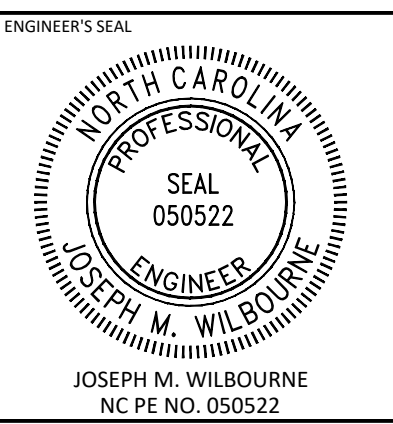
- ## NOTES
1. THE CONTRACTOR SHALL PROTECT ADJACENT PAVEMENT AND UTILITIES TO REMAIN AT THE LIMITS OF CONSTRUCTION.
 2. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING AIRPORT ENTRANCE DRIVE THAT IS CAUSED BY CONSTRUCTION OPERATIONS OR HAULING. ANY UTILITY OR DRAINAGE LINE OR STRUCTURE THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AT NO ADDITIONAL COST TO THE OWNER.
 3. ALL REMOVED PIPING AND APPURTENANCES SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL AND FEDERAL ENVIRONMENTAL LAWS.
 4. ANY WATER WELLS DISCOVERED SHALL BE ABANDONED AND SEALED IN ACCORDANCE WITH STATE AND FEDERAL REQUIREMENTS BY A PROPERLY LICENSED WELL CONTRACTOR.
 5. CONTRACTOR SHALL ONLY PERFORM DEMOLITION WITHIN ACTIVE PHASE OF CONSTRUCTION.
 6. MISC. DEBRIS DISPOSAL PAY ITEM SHALL BE CONSIDERED FULL COMPENSATION FOR LEGAL OFFSITE DISPOSAL OF EXISTING DEBRIS WITHIN THE PROJECT AREA THAT IS NOT ASSOCIATED WITH ANOTHER PAY ITEM. EXAMPLES INCLUDE PREVIOUSLY STOCKPILED DEBRIS, ETC.
 7. UTILITIES AND STRUCTURES TO REMAIN SHALL NOT BE DAMAGED DURING DEMOLITION OPERATIONS. ANY DAMAGE TO EXISTING ITEMS TO REMAIN SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
 8. FENCE REMOVAL SHALL BE PERFORMED IN CONJUNCTION TO NEW FENCE PLACEMENT TO ENSURE AIRPORT IS SECURE AT ALL TIMES. IF FENCE REMOVAL CANNOT BE COORDINATED WITH PLACEMENT OF NEW FENCE, THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING TO ENSURE THE FENCE IS CONTINUOUS. THE COST OF ANY TEMPORARY FENCING SHALL BE CONSIDERED INCIDENTAL TO MOBILIZATION.
 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITY PROVIDERS FOR UTILITY RELOCATION.
 10. CONTRACTOR SHALL NOT INTERRUPT UTILITY SERVICE AT ANY TIME TO LOCAL USERS.
 11. APPROXIMATE LOCATIONS OF KNOWN UTILITIES ARE SHOWN ON THE PLANS. ALL UTILITY LOCATIONS SHALL BE FIELD-VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY POTENTIAL CONFLICTS. THE CONTRACTOR SHALL NOTIFY NORTH CAROLINA 811 A MINIMUM OF 3 WORKING DAYS PRIOR TO STARTING WORK.
 12. EXISTING TANKS SHALL REMAIN FULLY OPERATIONAL UNTIL THE NEW TANKS ARE PUT INTO SERVICE.



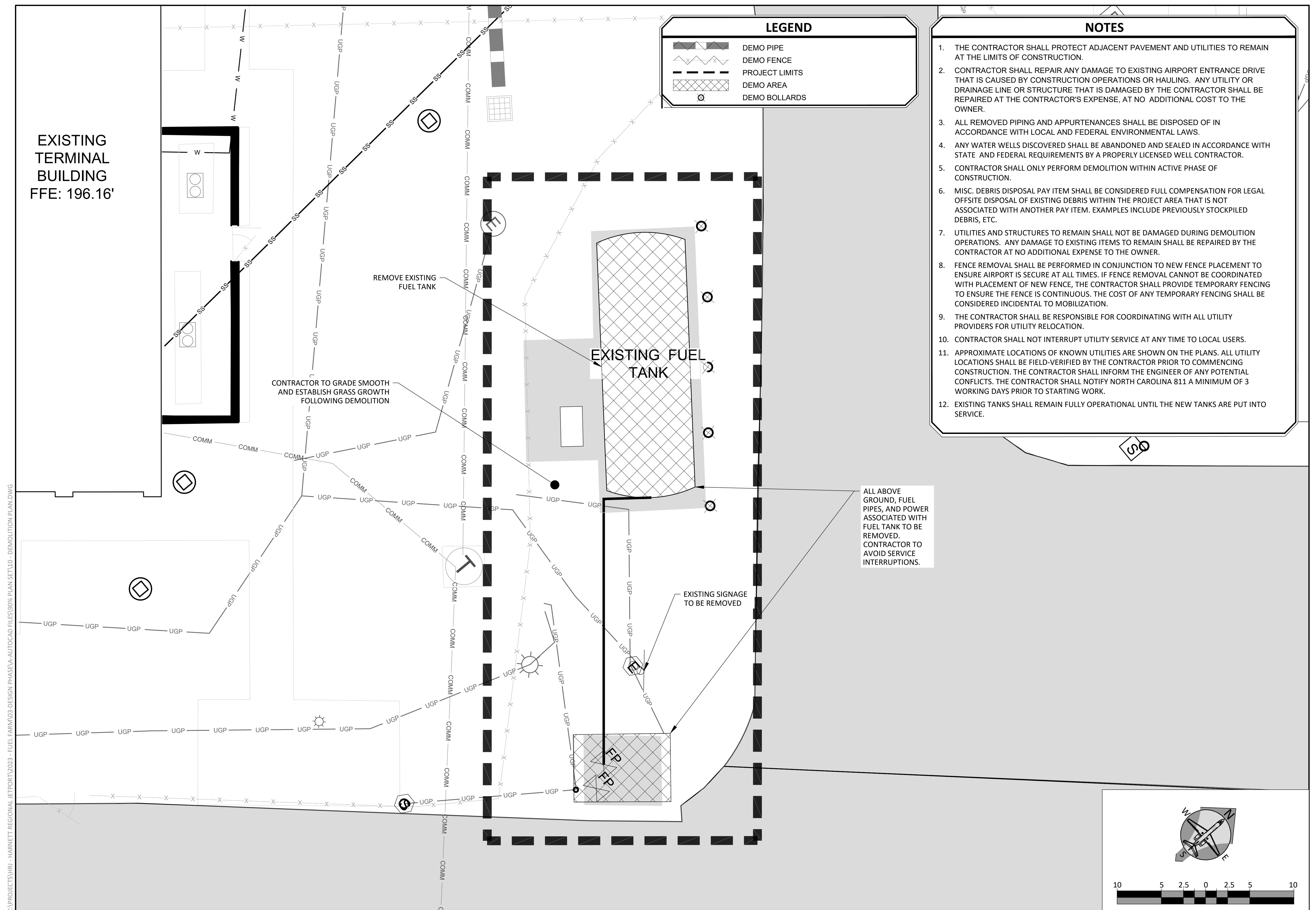
REVISIONS			
NO.	DATE	DESCRIPTION	APPR
DESIGNER			
CNH			
TECHNICIAN			
CNH			
QC REVIEWER			
JMW			

PROJECT NAME	
FUEL FARM	
FAA AJP NO.	N/A
STATE GRANT NO.	36237.25.21.1
SHEET NAME	

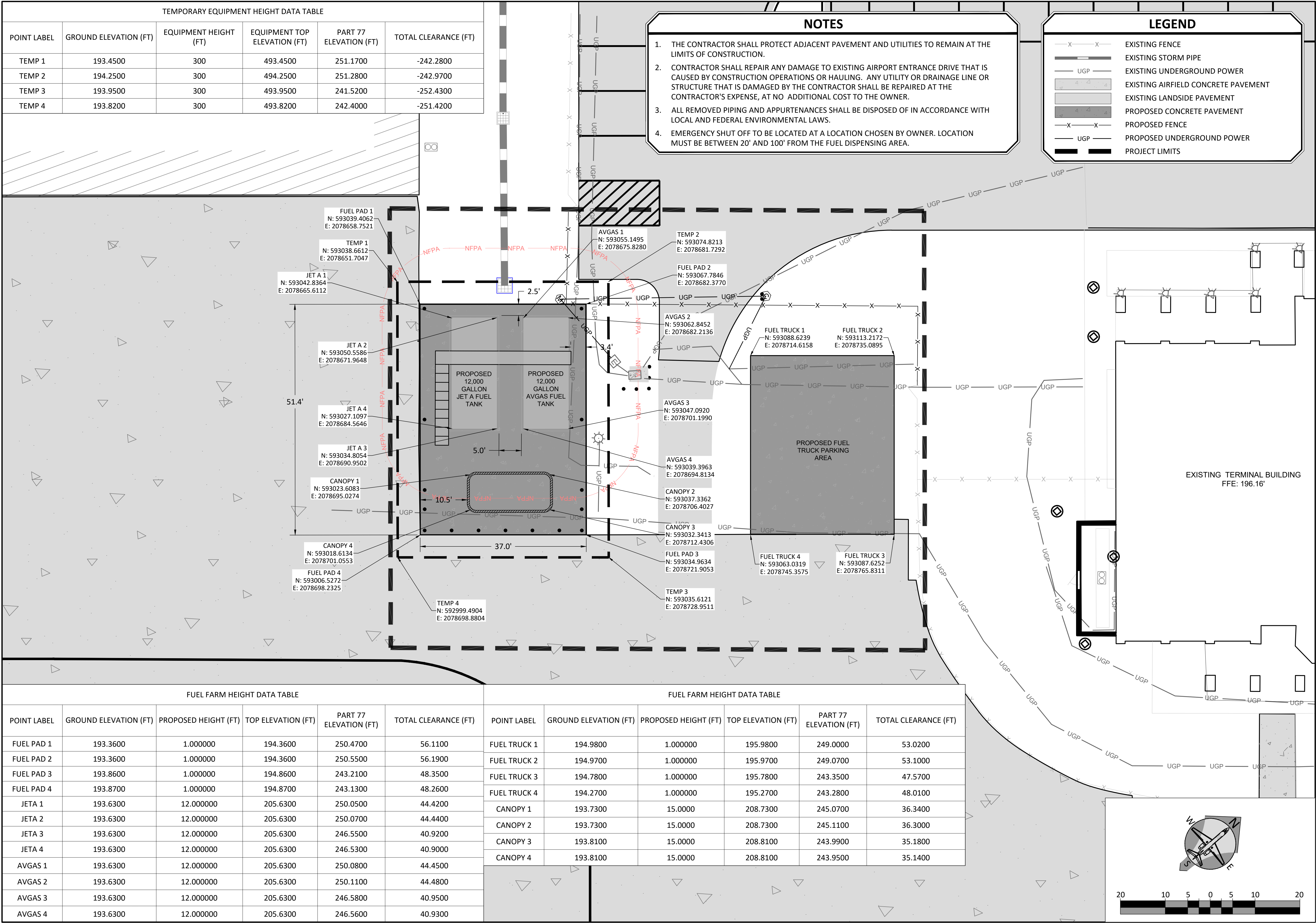
DEMOLITION PLAN



DATE PREPARED
P&P PROJECT NO. 1602
DRAWING NO. C-500
SHEET 13 OF 25



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Harnett
COUNTY
NORTH CAROLINA

HARNETT REGIONAL JETPORT
615 AIRPORT RD, ERWIN, NC
28339

PARRISH & PARTNERS

PARRISH AND PARTNERS OF NORTH CAROLINA, LLC

APPR

REVISIONS

DESCRIPTION

DATE

NO.

DESIGNER

TECHNICIAN

QC REVIEWER

CNH

CNH

JMW

PROJECT NAME

FUEL FARM

FAA AIP NO.

N/A

STATE GRANT NO.

36237.25.21.1

SHEET NAME

STAKING &
DIMENSION PLAN

ENGINEER'S SEAL

NORTH CAROLINA

PROFESSIONAL

SEAL

050522

ENGINEER

JOSEPH M. WILBOURNE

INC. PE NO. 050522

DATE PREPARED

P&P PROJECT NO.

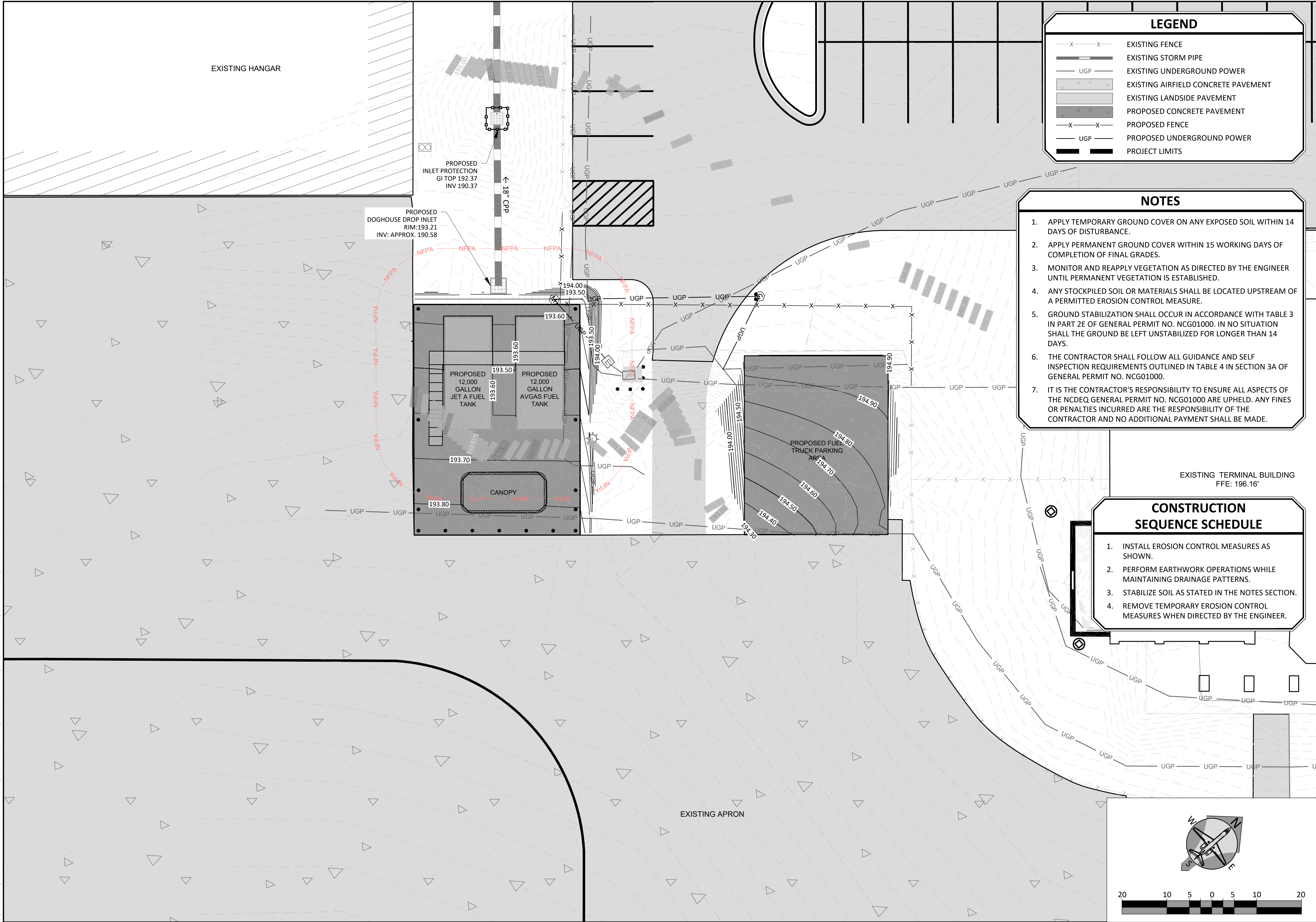
1602

DRAWING NO.

C-600

SHEET 15 OF 25

Z:\PROJECTS\HRI - HARNETT REGIONAL JETPORT\2023 - FUEL FARM\03-DESIGN PHASE A-AUTOCAD FILES\90% PLAN SET\12 - GRADING AND DRAINAGE PLAN.DWG



LEGEND

X X

EXISTING FENCE

EXISTING STORM PIPE

UGP

EXISTING UNDERGROUND POWER

EXISTING AIRFIELD CONCRETE PAVEMENT

EXISTING LANDSIDE PAVEMENT

PROPOSED CONCRETE PAVEMENT

X X

PROPOSED FENCE

UGP

PROPOSED UNDERGROUND POWER

PROJECT LIMITS

NOTES

1.

APPLY TEMPORARY GROUND COVER ON ANY EXPOSED SOIL WITHIN 14 DAYS OF DISTURBANCE.

2.

APPLY PERMANENT GROUND COVER WITHIN 15 WORKING DAYS OF COMPLETION OF FINAL GRADES.

3.

MONITOR AND REAPPLY VEGETATION AS DIRECTED BY THE ENGINEER UNTIL PERMANENT VEGETATION IS ESTABLISHED.

4.

ANY STOCKPILED SOIL OR MATERIALS SHALL BE LOCATED UPSTREAM OF A PERMITTED EROSION CONTROL MEASURE.

5.

GROUND STABILIZATION SHALL OCCUR IN ACCORDANCE WITH TABLE 3 IN PART 2E OF GENERAL PERMIT NO. NCG01000. IN NO SITUATION SHALL THE GROUND BE LEFT UNSTABILIZED FOR LONGER THAN 14 DAYS.

6.

THE CONTRACTOR SHALL FOLLOW ALL GUIDANCE AND SELF INSPECTION REQUIREMENTS OUTLINED IN TABLE 4 IN SECTION 3A OF GENERAL PERMIT NO. NCG01000.

7.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL ASPECTS OF THE NCDEQ GENERAL PERMIT NO. NCG01000 ARE UPHELD. ANY FINES OR PENALTIES INCURRED ARE THE RESPONSIBILITY OF THE CONTRACTOR AND NO ADDITIONAL PAYMENT SHALL BE MADE.

CONSTRUCTION SEQUENCE SCHEDULE

1.

INSTALL EROSION CONTROL MEASURES AS SHOWN.

2.

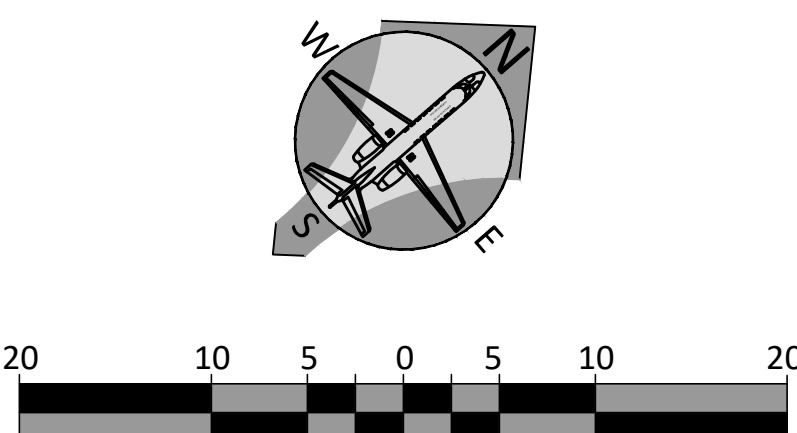
PERFORM EARTHWORK OPERATIONS WHILE MAINTAINING DRAINAGE PATTERNS.

3.

STABILIZE SOIL AS STATED IN THE NOTES SECTION.

4.

REMOVE TEMPORARY EROSION CONTROL MEASURES WHEN DIRECTED BY THE ENGINEER.



Harnett COUNTY NORTH CAROLINA

HARNETT REGIONAL JETPORT
615 AIRPORT RD, ERWIN, NC
28339

PARRISH & PARTNERS

PARRISH AND PARTNERS OF NORTH CAROLINA, LLC

APPR

DESIGNER
CNH

TECHNICIAN
CNH

QC REVIEWER
JMW

PROJECT NAME
FUEL FARM

FAA AIP NO.
N/A

STATE GRANT NO.
36237.25.21.1

SHEET NAME
GRADING AND DRAINAGE PLAN

ENGINEER'S SEAL

NORTH CAROLINA

PROFESSIONAL

SEAL

050522

ENGINEER

JOSEPH M. WILBOURNE

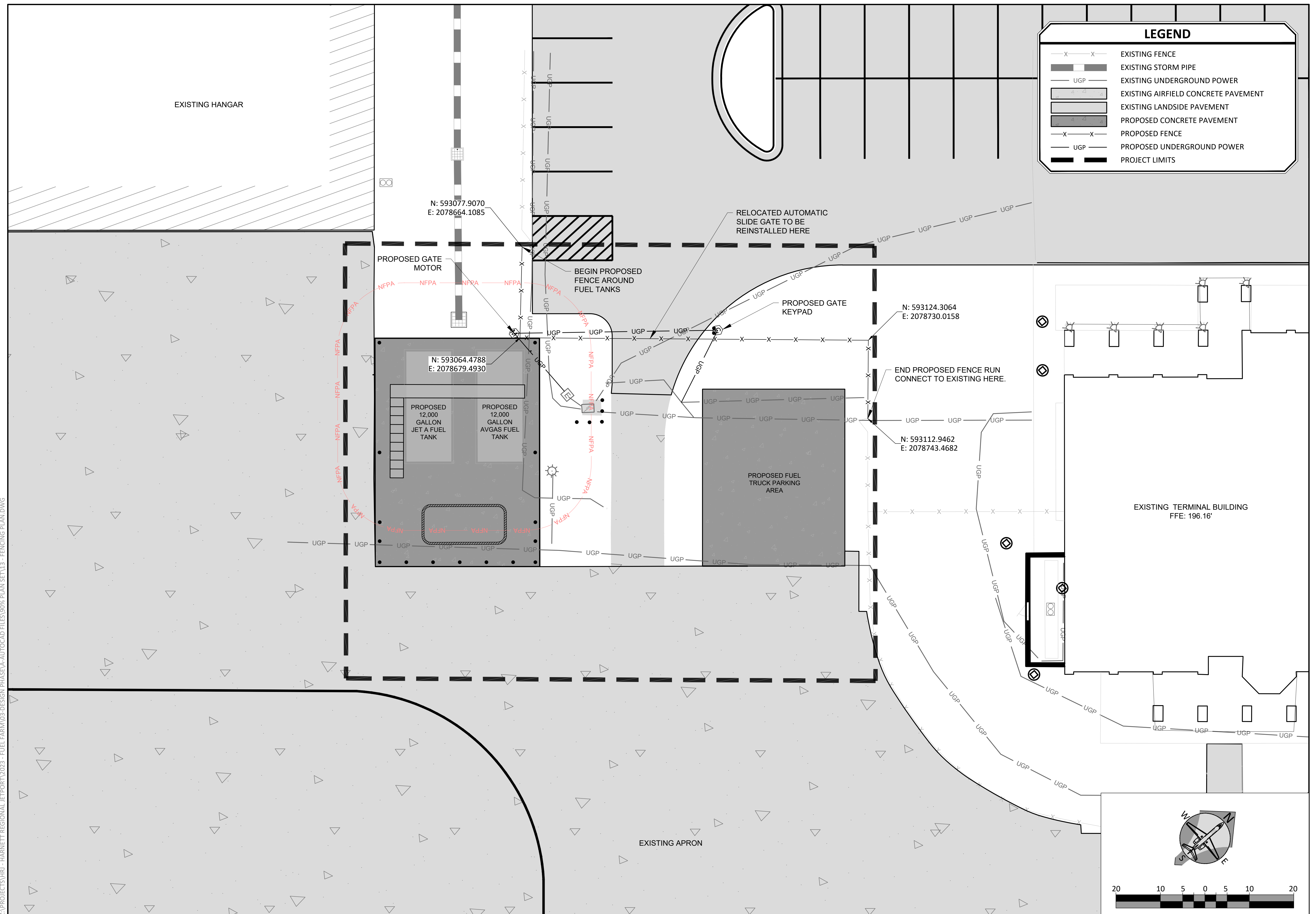
NC PE NO. 050522

DATE PREPARED

P&P PROJECT NO.
1602

DRAWING NO.
C-700

SHEET 16 OF 25



WARNING

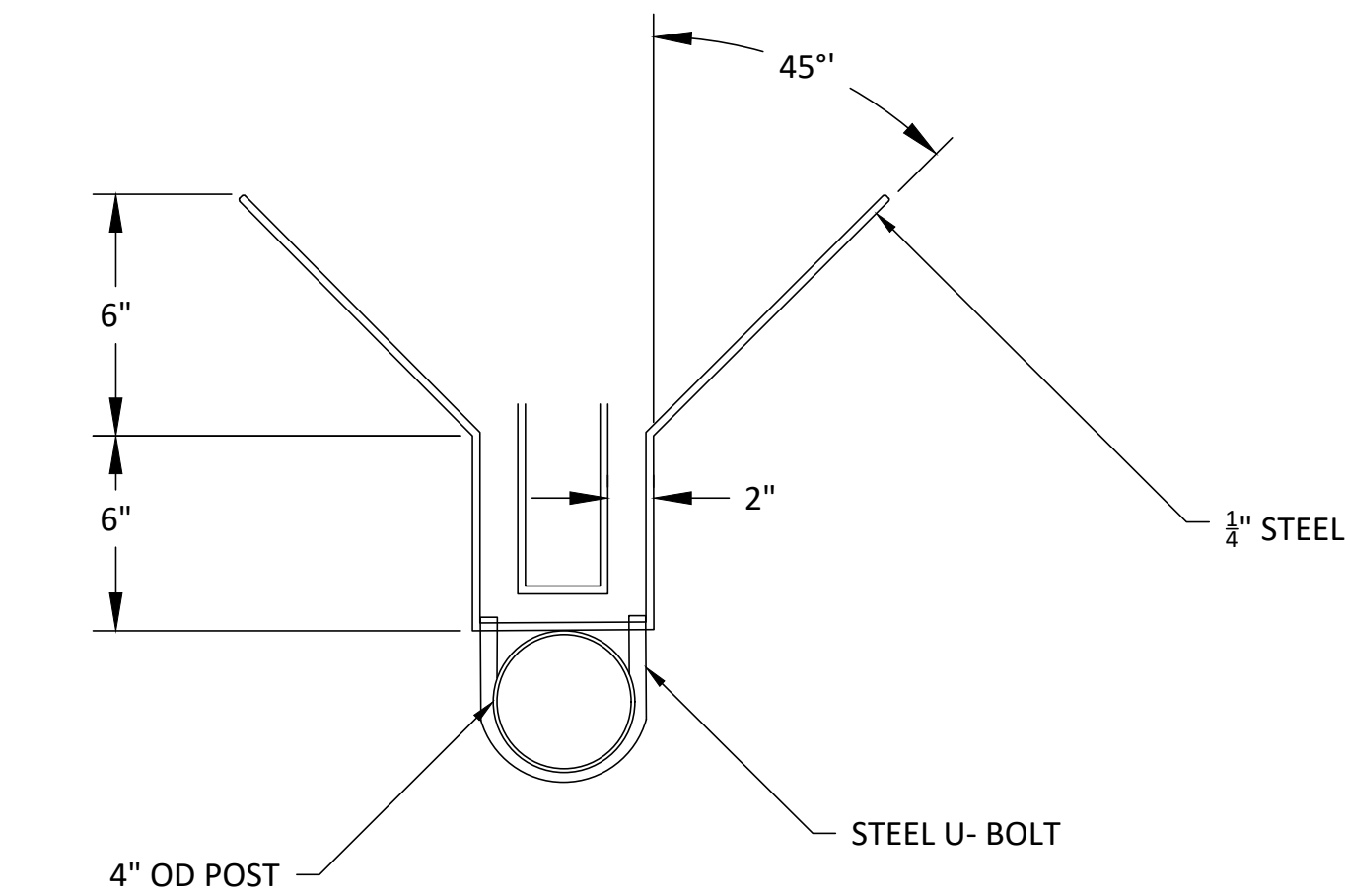
RESTRICTED AREA
NO TRESPASSING
VIOLATORS WILL BE PROSECUTED

TYPICAL AIRPORT FENCE SIGN DETAIL

NTS

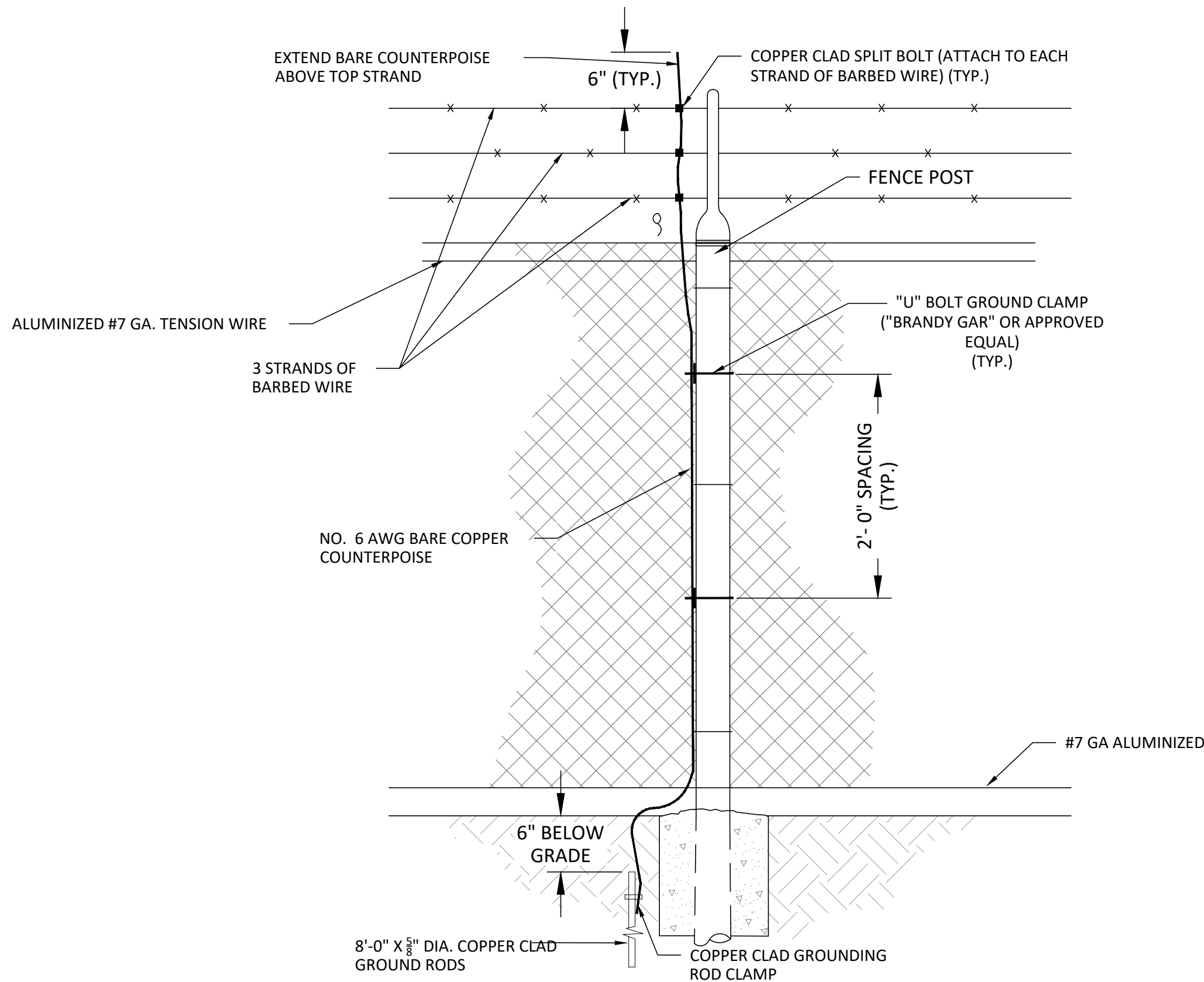
NOTES:

1. THE SIGN IS INCIDENTAL TO THE UNIT COST FOR FENCING AND NO ADDITIONAL PAYMENT WILL BE MADE.
2. ALL SIGNS INTENDED FOR USE BY CONSTRUCTION PERSONNEL SHOULD CONFORM TO FAA AC 150/5380-18, AND, TO THE EXTENT PRACTICABLE, WITH THE MUTCD AND/OR STATE HIGHWAY SPECIFICATIONS.
3. TO BE SPACED EVERY 100' ALONG THE NEW FENCE.



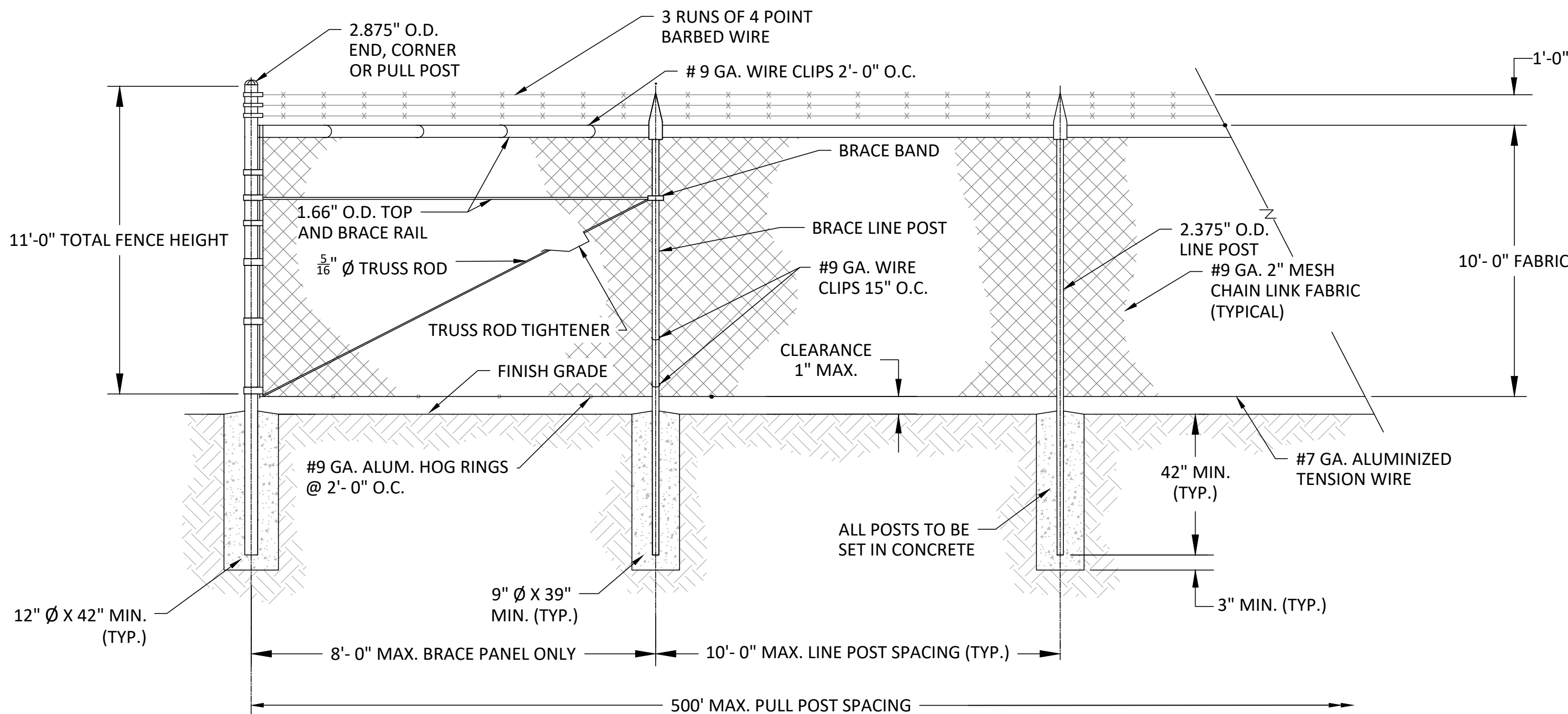
GATE CATCH DETAIL

NTS



TYPICAL FENCE GROUNDING DETAIL

NTS



STANDARD BRACING PANEL & TYPICAL LINE POST

NTS



HARNETT REGIONAL JETPORT
615 AIRPORT RD, ERWIN, NC
28339



PARRISH AND PARTNERS OF NORTH CAROLINA, LLC

NO.	DATE	DESCRIPTION	DESIGNER	TECHNICIAN	QC REVIEWER
APPR			CNH	CNH	JMW

PROJECT NAME

FUEL FARM

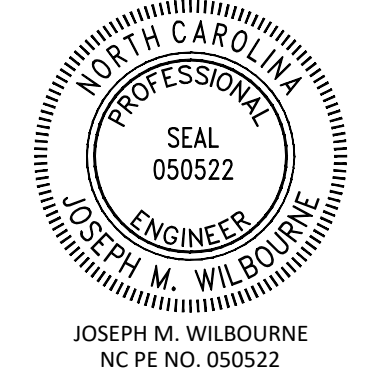
FAA AIP NO. N/A

STATE GRANT NO. 36237.25.21.1

SHEET NAME

FENCING DETAILS

ENGINEER'S SEAL



DATE PREPARED

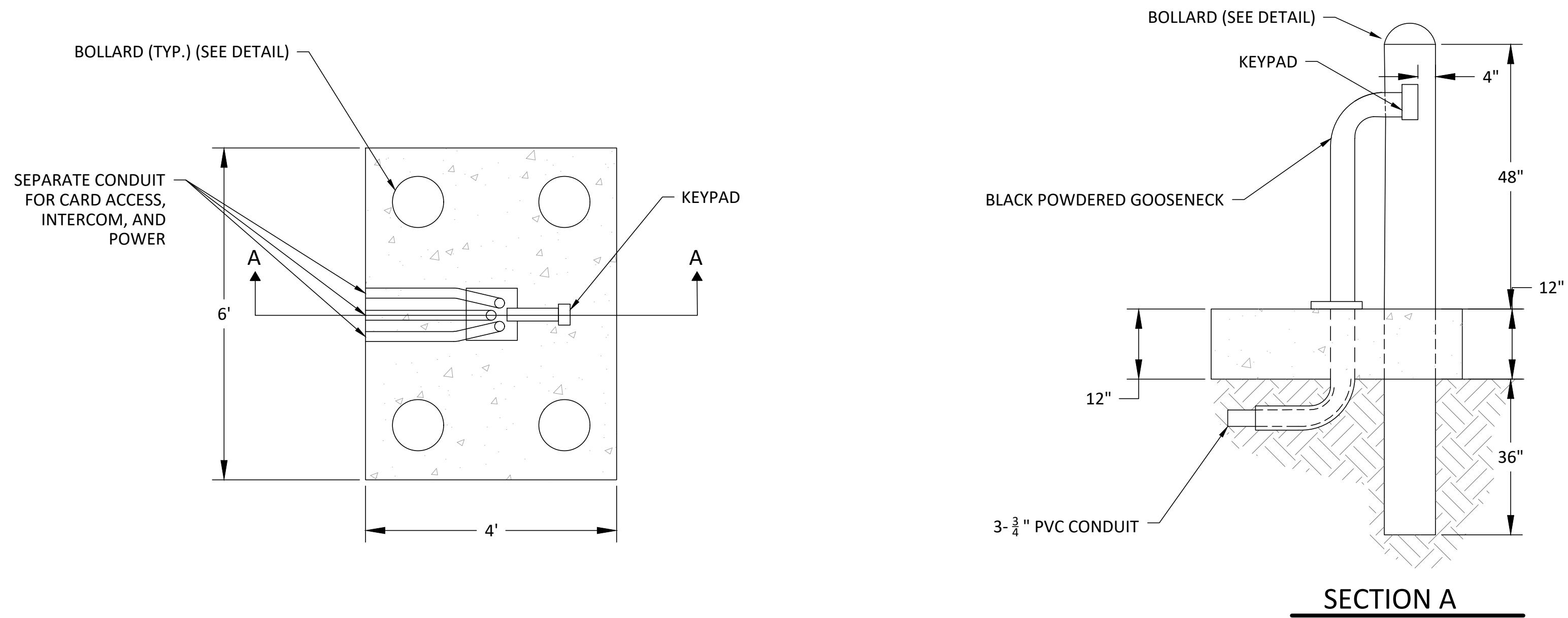
P&P PROJECT NO. 1602

DRAWING NO.

C-900

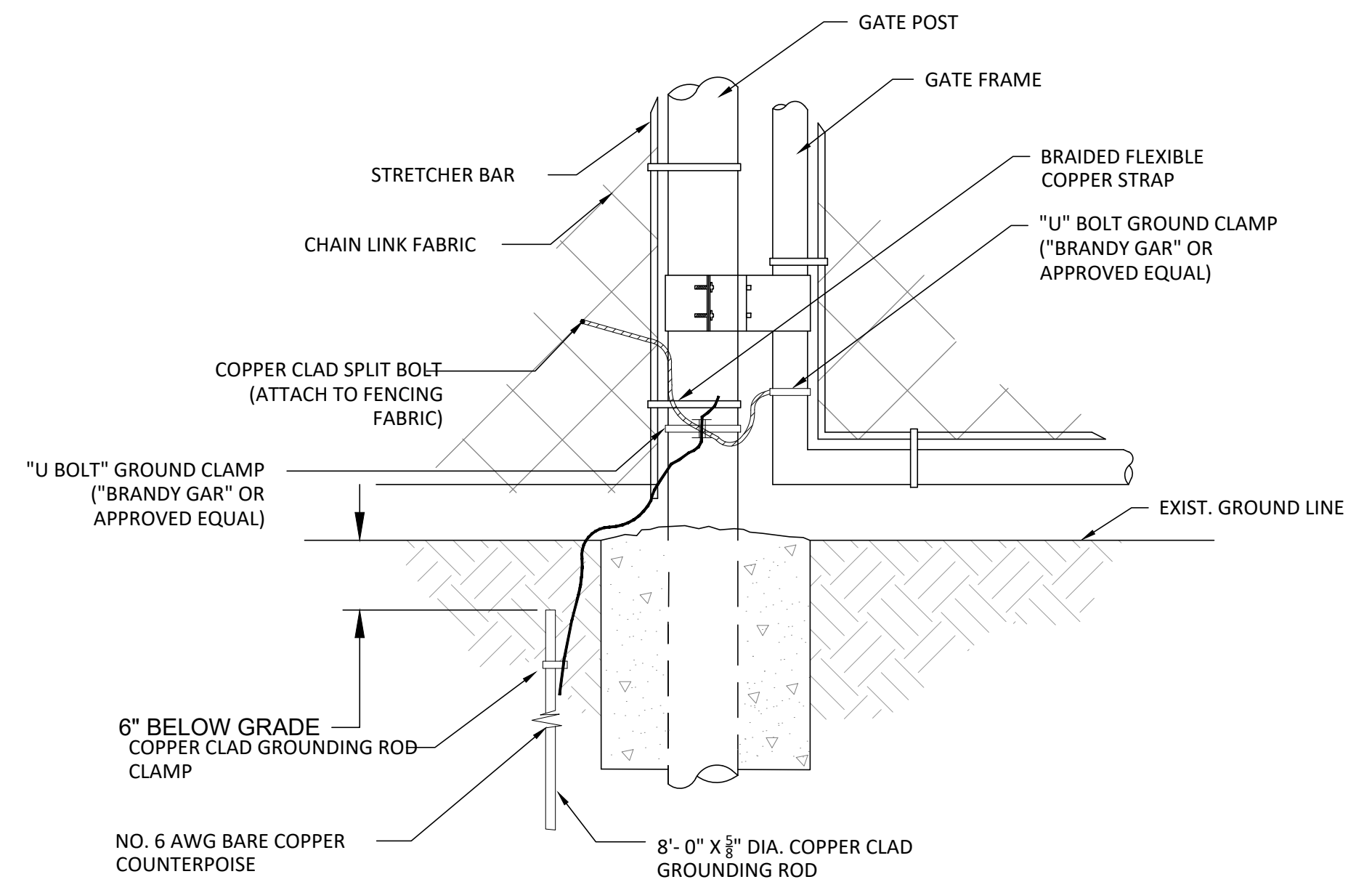
SHEET 18 OF 25

Z:\PROJECTS\HRI - HARNETT REGIONAL JETPORT\2023 - FUEL FARM\03-DESIGN PHASE\A-AUTOCAD FILES\90% PLAN SET\14 - FUEL FARM DETAILS.DWG



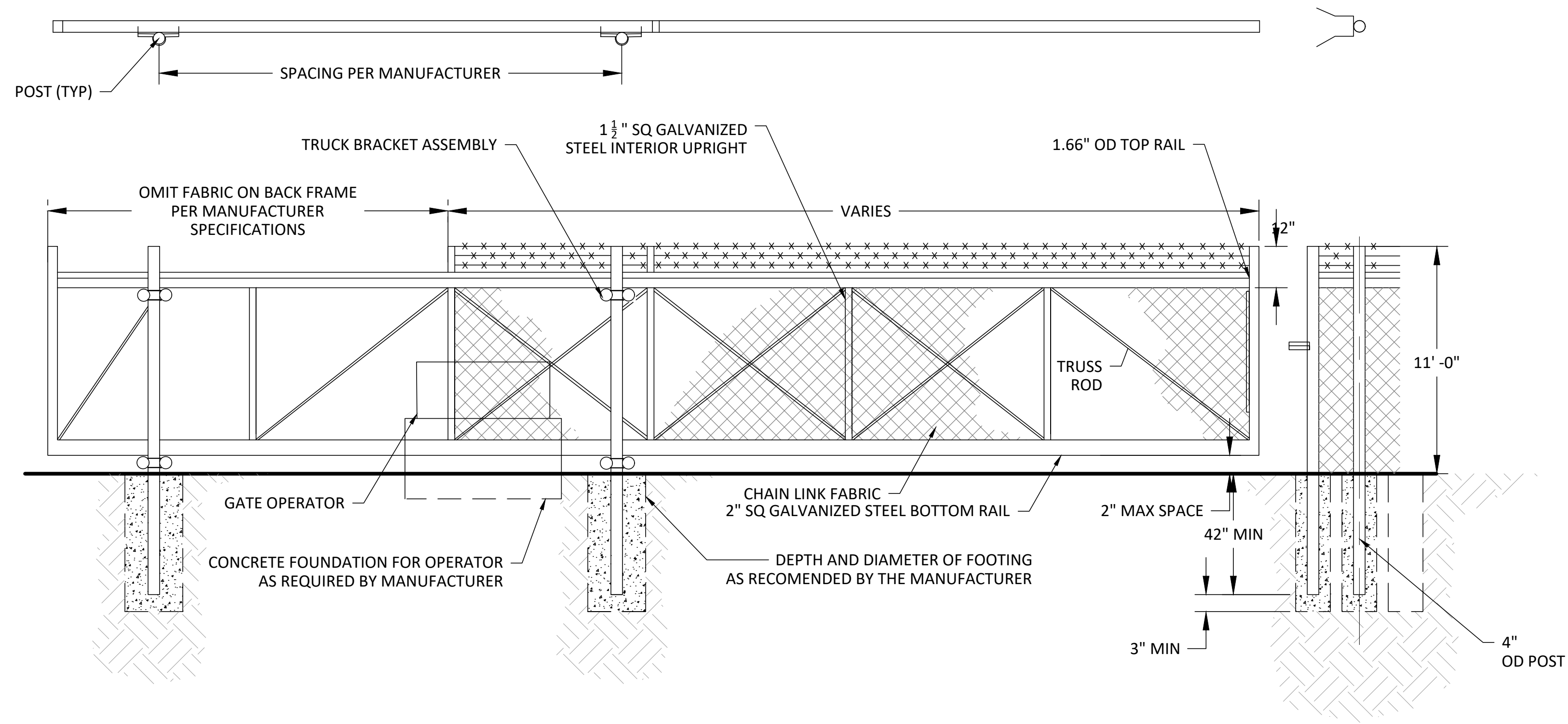
KEYPAD AND BASE DETAIL

NTS



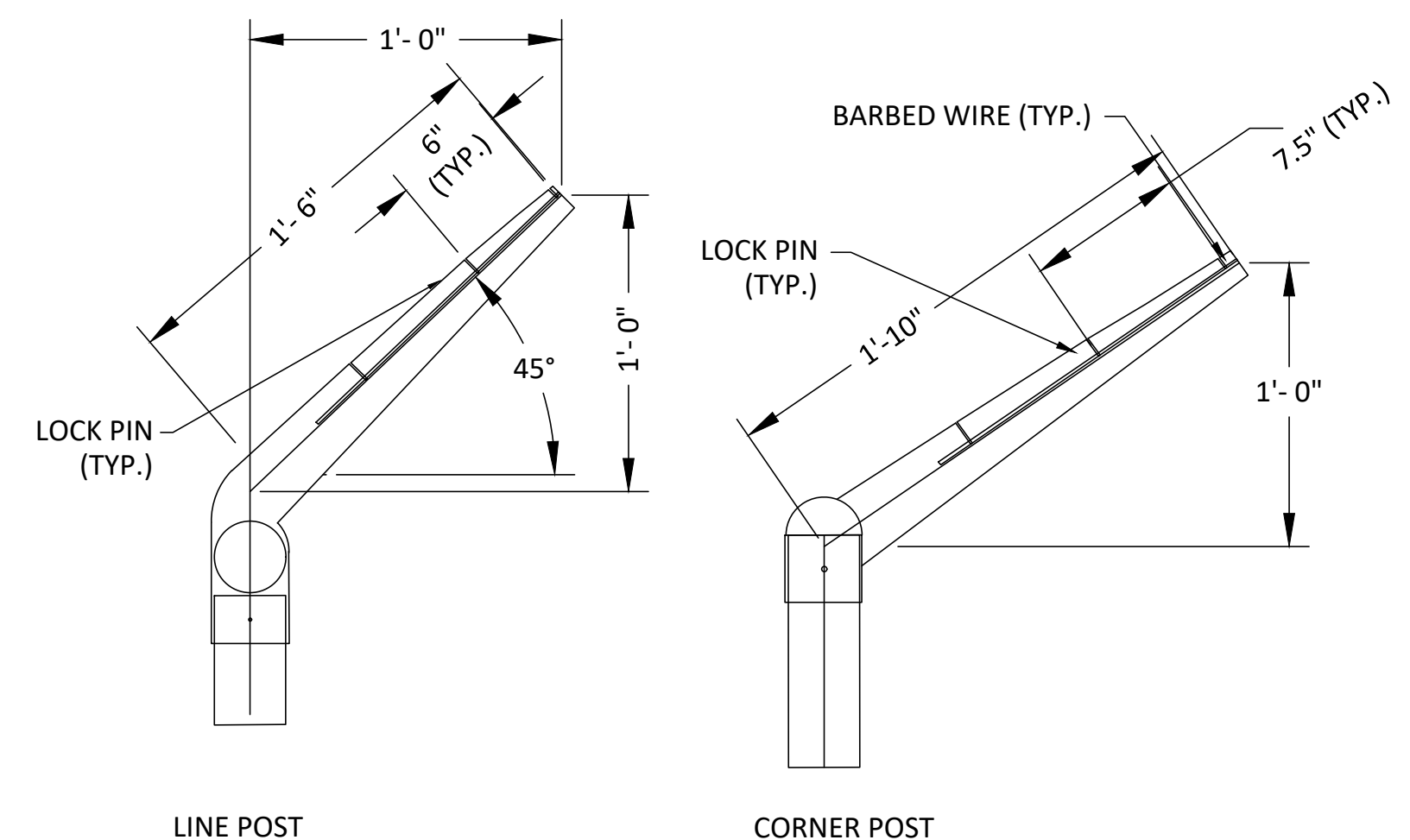
TYPICAL GATE GROUNDING DETAIL

NTS



AUTOMATIC SLIDE GATE DETAIL

NTS



EXTENSION ARM DETAILS

NTS



HARNETT REGIONAL JETPORT
615 AIRPORT RD, ERWIN, NC
28339



NO.	DATE	DESCRIPTION	APPR	DESIGNER	TECHNICIAN	QC REVIEWER
				CNH	CNH	JMW

PROJECT NAME

FUEL FARM

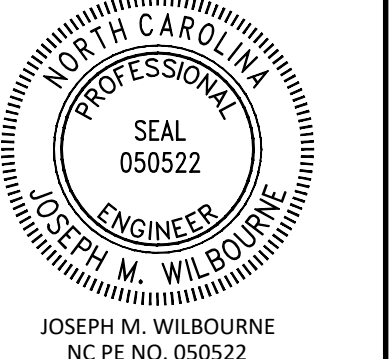
FAA AIP NO. N/A

STATE GRANT NO. 36237.25.21.1

SHEET NAME

FENCING DETAILS

ENGINEER'S SEAL



DATE PREPARED

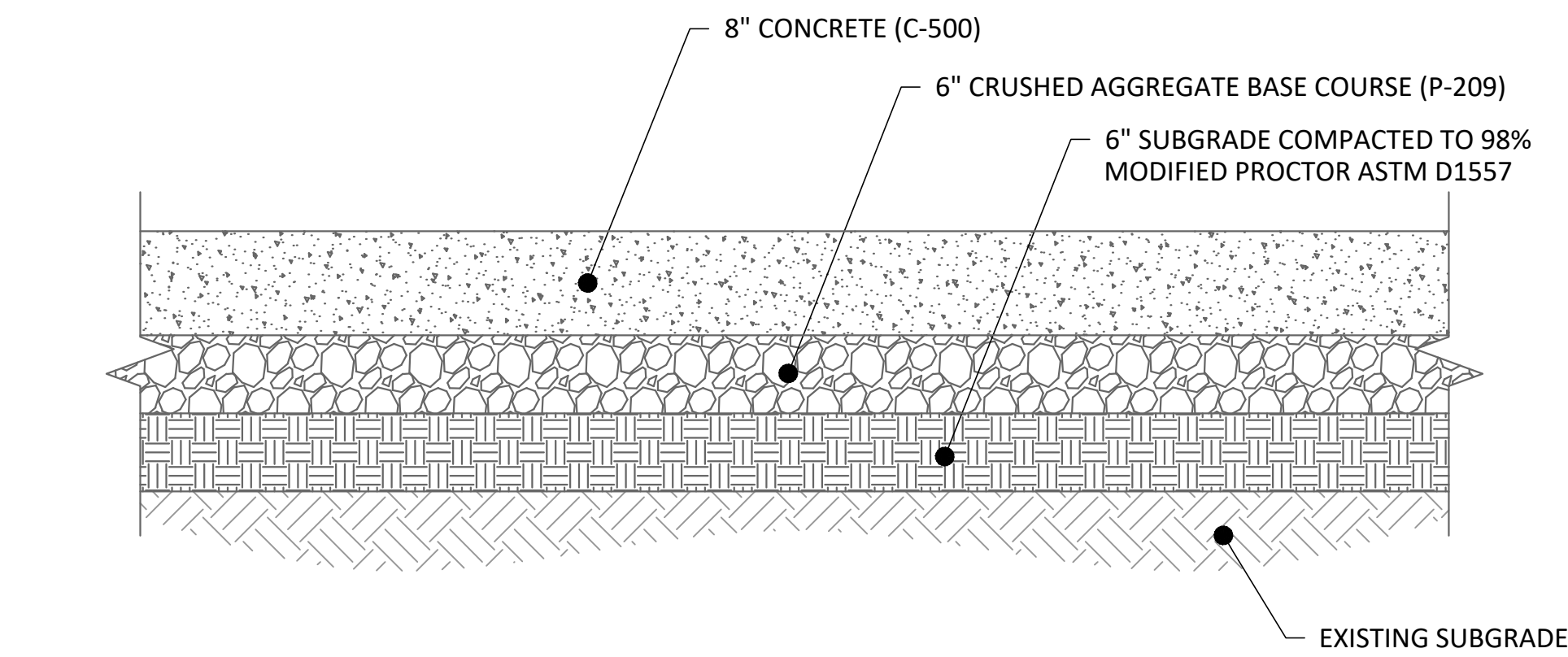
P&P PROJECT NO. 1602

DRAWING NO.

C-901

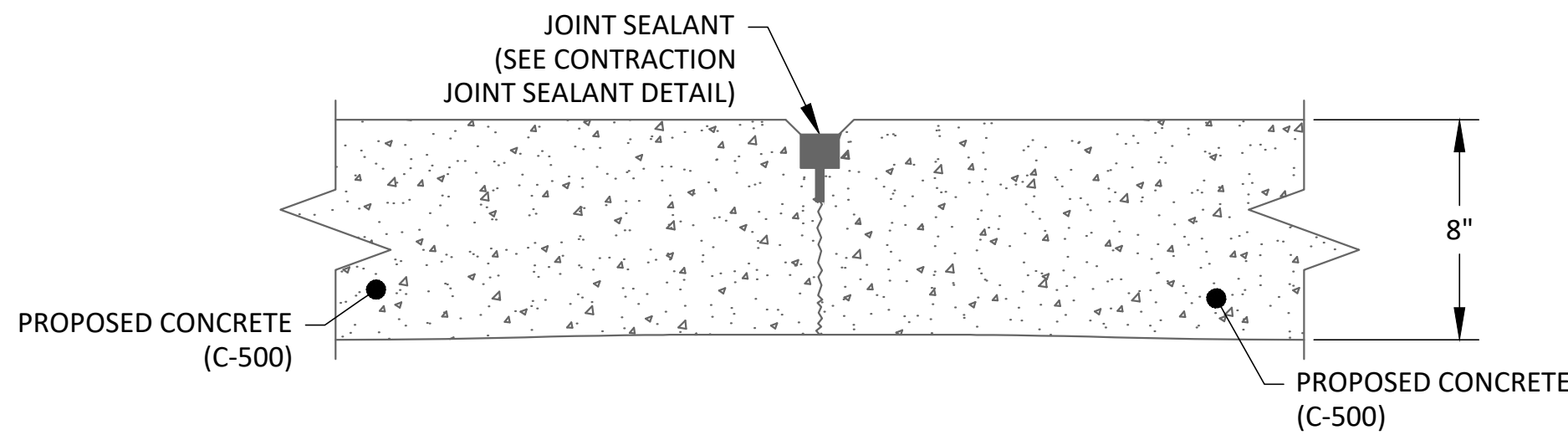
SHEET 19 OF 25

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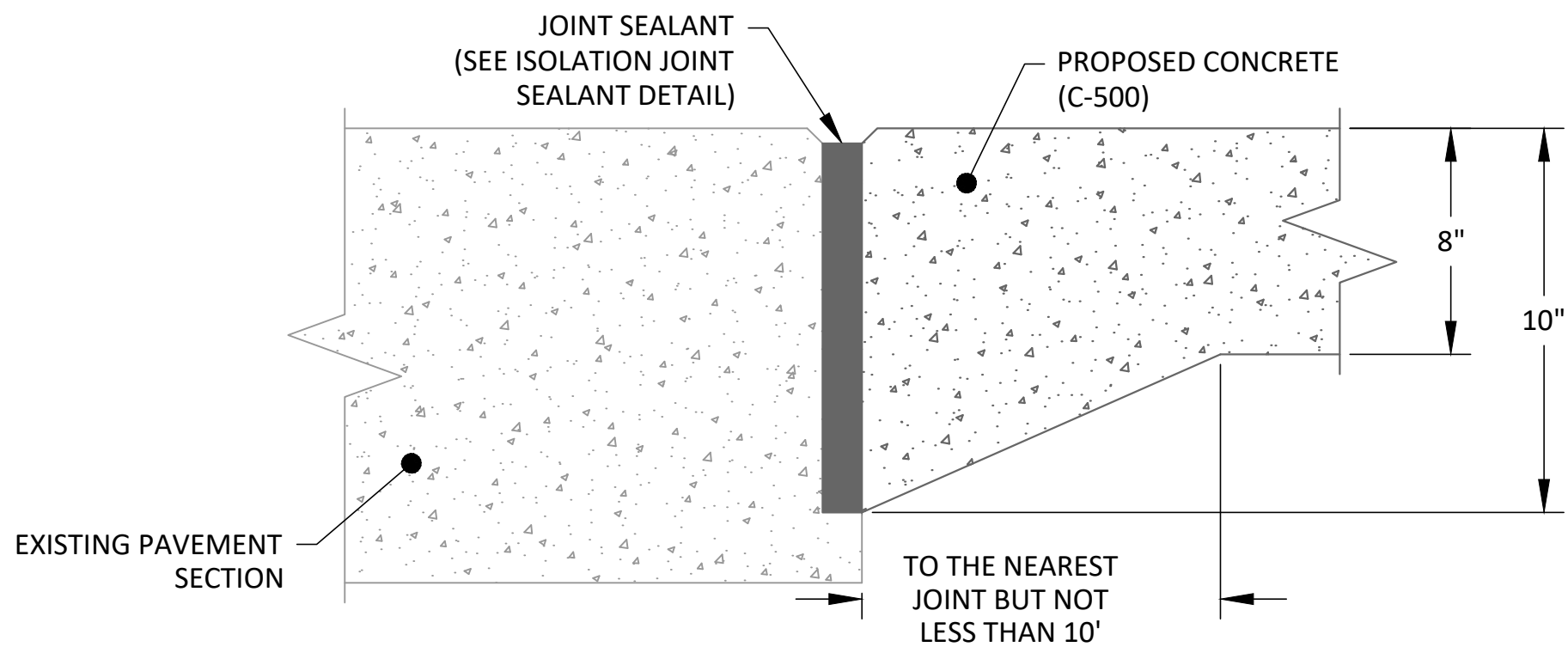
TYPICAL SECTION (CONCRETE)

NTS



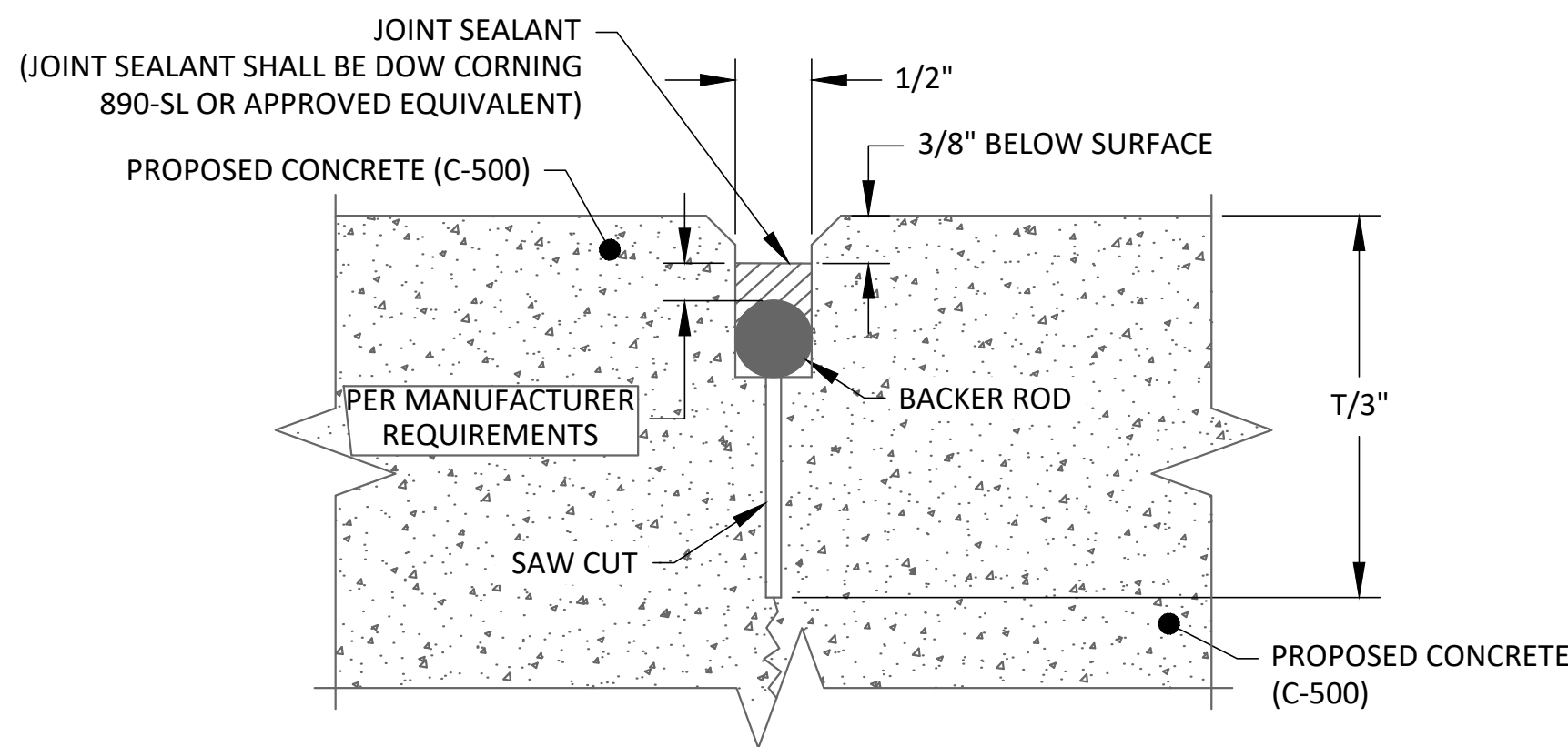
CONTRACTION JOINT

NTS



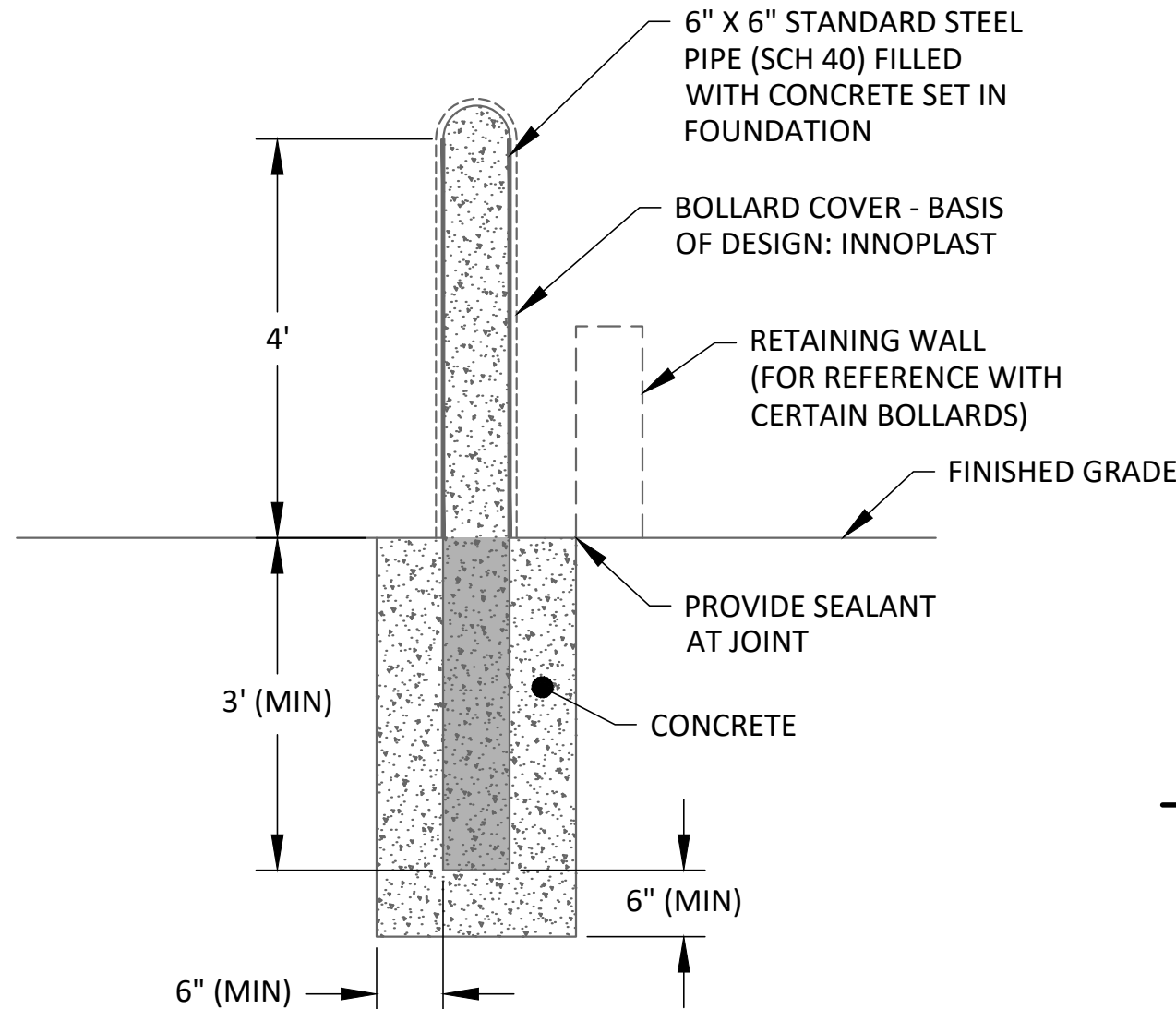
EDGE JOINT - THICKENED EDGE

NTS



CONTRACTION JOINT SEALANT DETAIL

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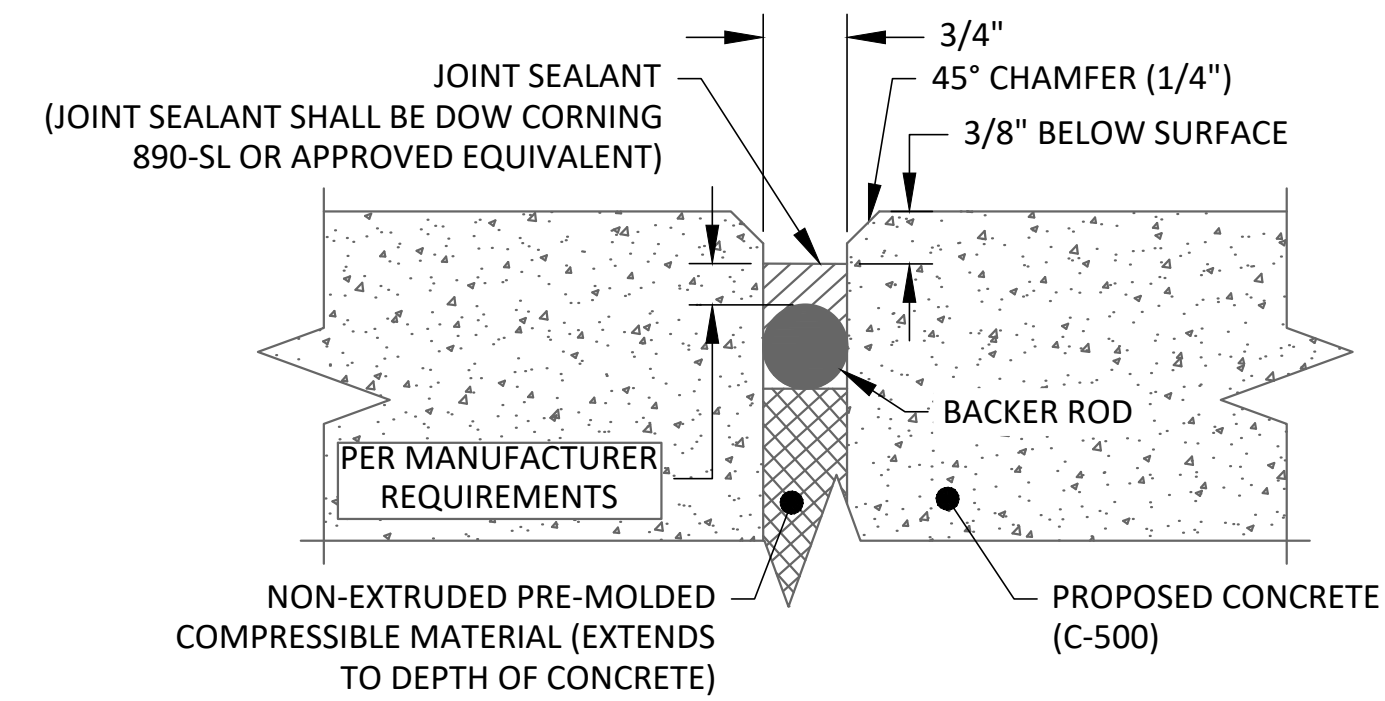


BOLLARD DETAIL

NTS

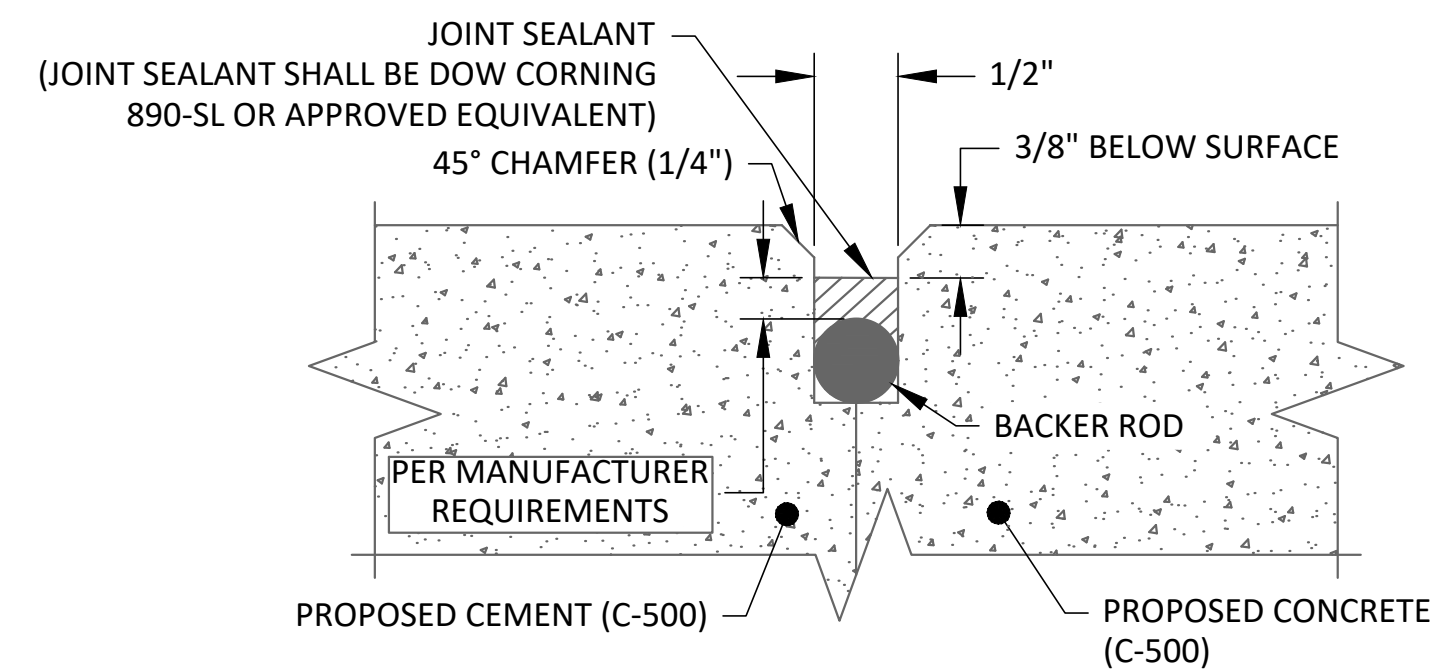
- NOTES:
1. SHOP DRAWING SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL.
 2. COLOR: CONTRACTOR SHALL SUBMIT COLOR OPTIONS FOR APPROVAL BY ENGINEER AND OWNER.

- CONCRETE JOINT NOTES:
1. CONCRETE JOINTS SHALL A MAX SPACING OF 15'
 2. CONTRACTOR SHALL SUBMIT A SHOP DRAWING OF JOINT LAYOUT FOR APPROVAL BY ENGINEER.



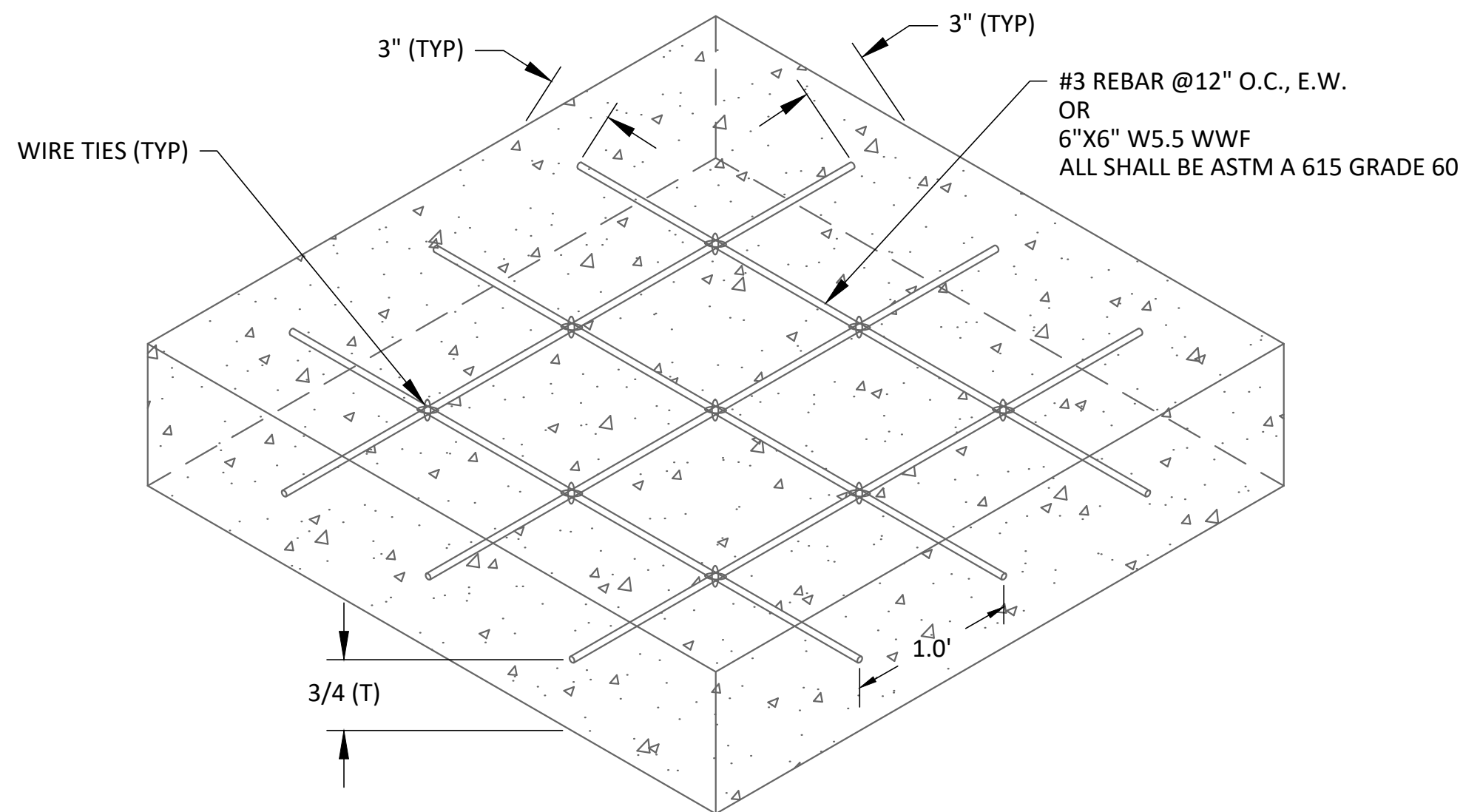
ISOLATION JOINT SEALANT DETAIL

NTS



CONSTRUCTION JOINT SELANT DETAIL

NTS



SLAB REINFORCEMENT DETAIL

NTS

- NOTES:
1. SLAB REINFORCEMENT SHALL BE ON ALL CONCRETE SLABS.



HARNETT REGIONAL JETPORT
615 AIRPORT RD, ERWIN, NC
28339



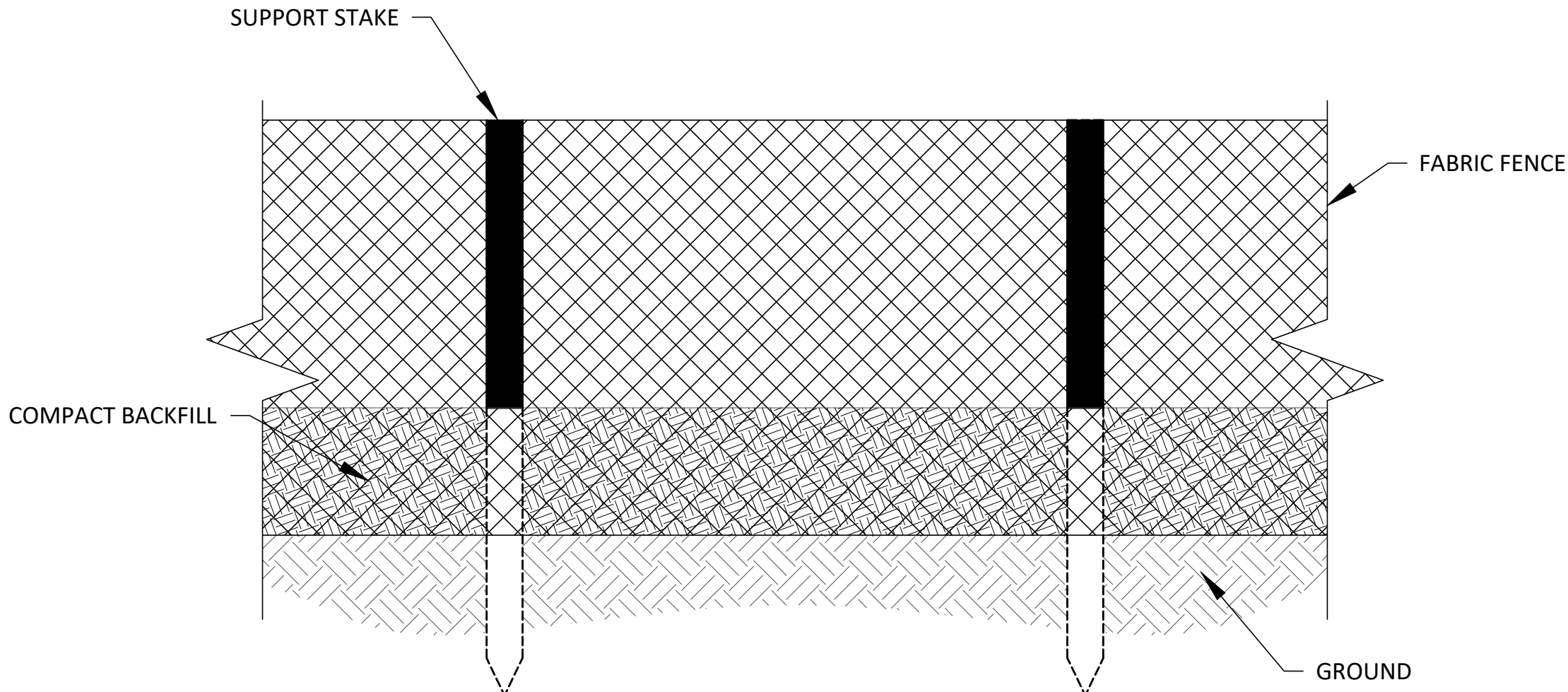
NO.	DATE	DESCRIPTION	APPR	DESIGNER	TECHNICIAN	QC REVIEWER
				CNH	CNH	JMW

PROJECT NAME
FUEL FARM
FAA AIP NO.
N/A
STATE GRANT NO.
36237.25.21.1
SHEET NAME

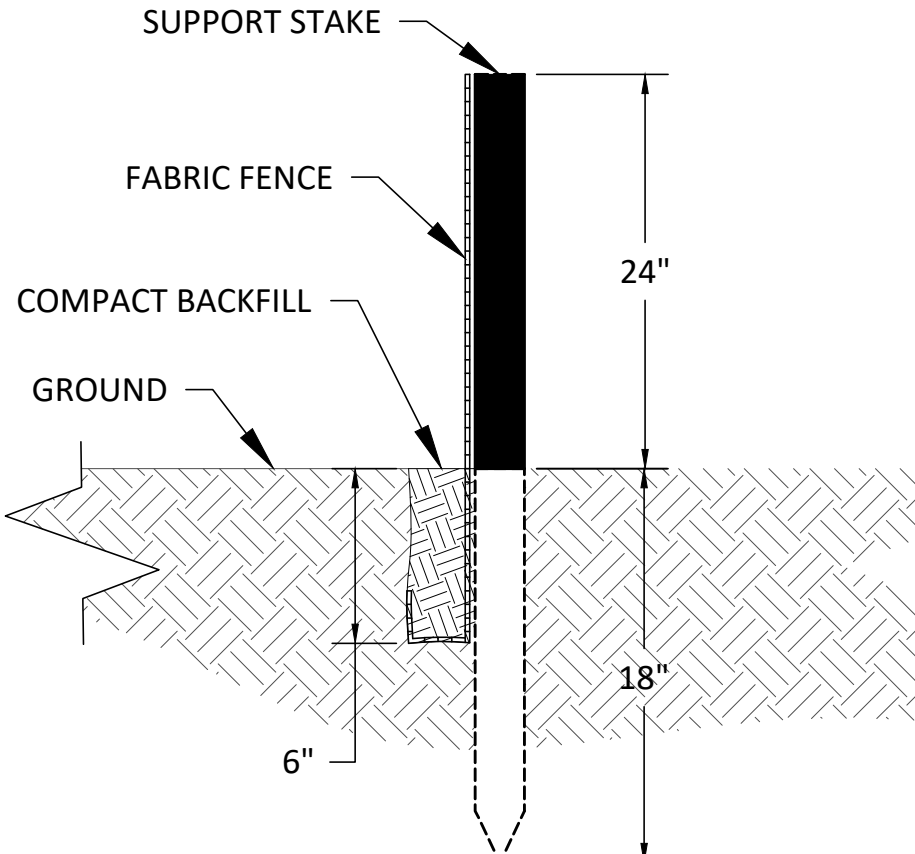
TYPICAL SECTIONS

ENGINEER'S SEAL
JOSEPH M. WILBOURNE NC PE NO. 050522
DATE PREPARED

P&P PROJECT NO.
1602
DRAWING NO.
C-902
SHEET 20 OF 25



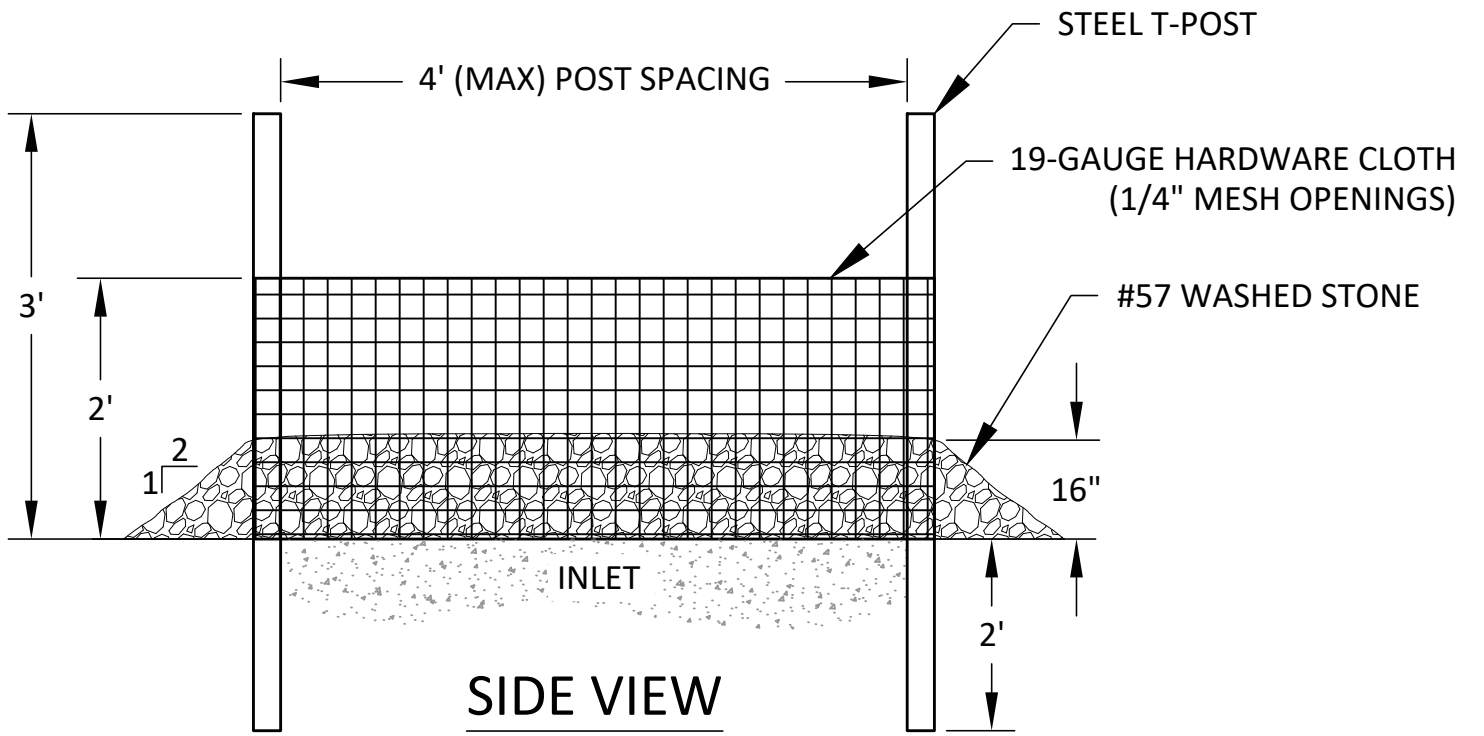
FRONT VIEW



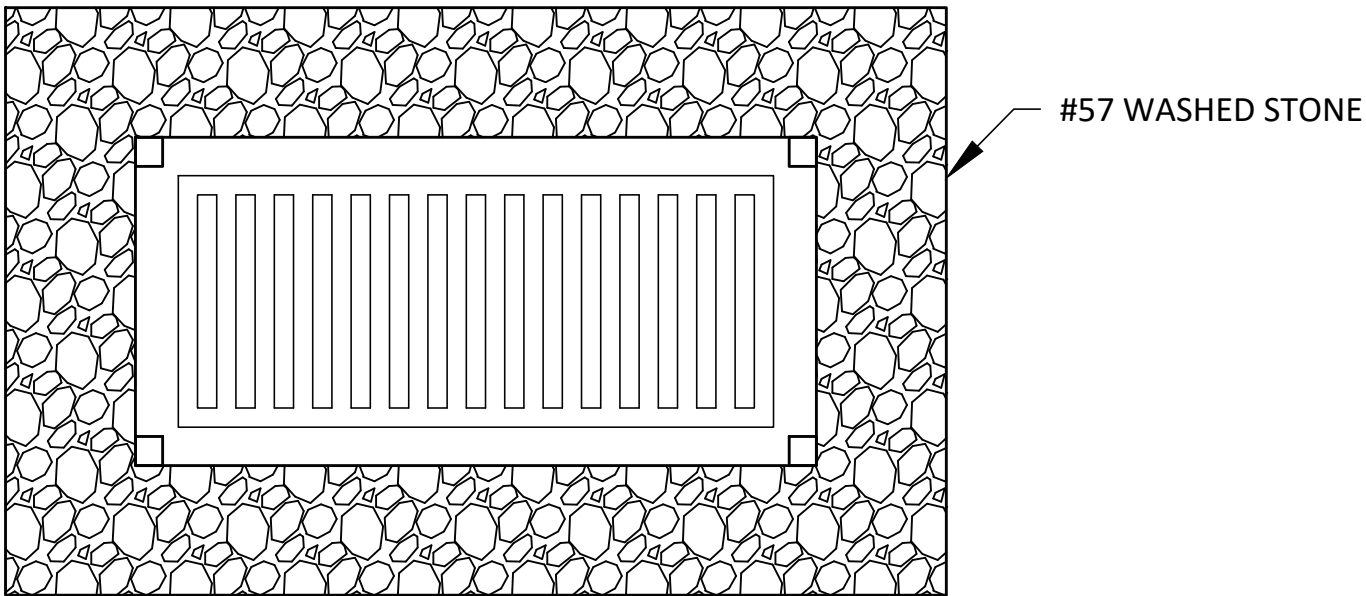
SIDE VIEW

TEMPORARY SILT FENCE SEDIMENT BARRIER DETAIL

- NOTES:
1. STANDARD FILTER FABRIC FENCE MUST BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER MUST BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT.
 2. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FENCE.



SIDE VIEW



TOP VIEW

HARDWARE CLOTH AND GRAVEL INLET PROTECTION

NTS

NO.	DATE	DESCRIPTION	REVISIONS	APPR	DESIGNER	TECHNICIAN	QC REVIEWER
CNH					CNH		JMW

PROJECT NAME	FUEL FARM
FAA AIP NO.	N/A
STATE GRANT NO.	36237.25.21.1
SHEET NAME	

EROSION
CONTROL DETAILS

ENGINEER'S SEAL

SEAL
050522
ENGINEER
JOSEPH M. WILBOURNE
JOSEPH M. WILBOURNE
NC PE NO. 050522

DATE PREPARED: ---

P&P PROJECT NO. 1602

DRAWING NO. C-903

SHEET 21 OF 25

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GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQP) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
- Temporary grass seed covered with straw or other mulches and tackifiers - Hydroseeding - Rollled erosion control products with or without temporary grass seed - Appropriately applied straw or other mulch - Plastic sheeting	- Permanent grass seed covered with straw or other mulches and tackifiers - Geotextile fabrics such as permanent soil reinforcement matting - Hydroseeding - Shrubs or other permanent plantings covered with mulch - Uniform and evenly distributed ground cover sufficient to restrain erosion - Structural methods such as concrete, asphalt or retaining walls - Rollled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

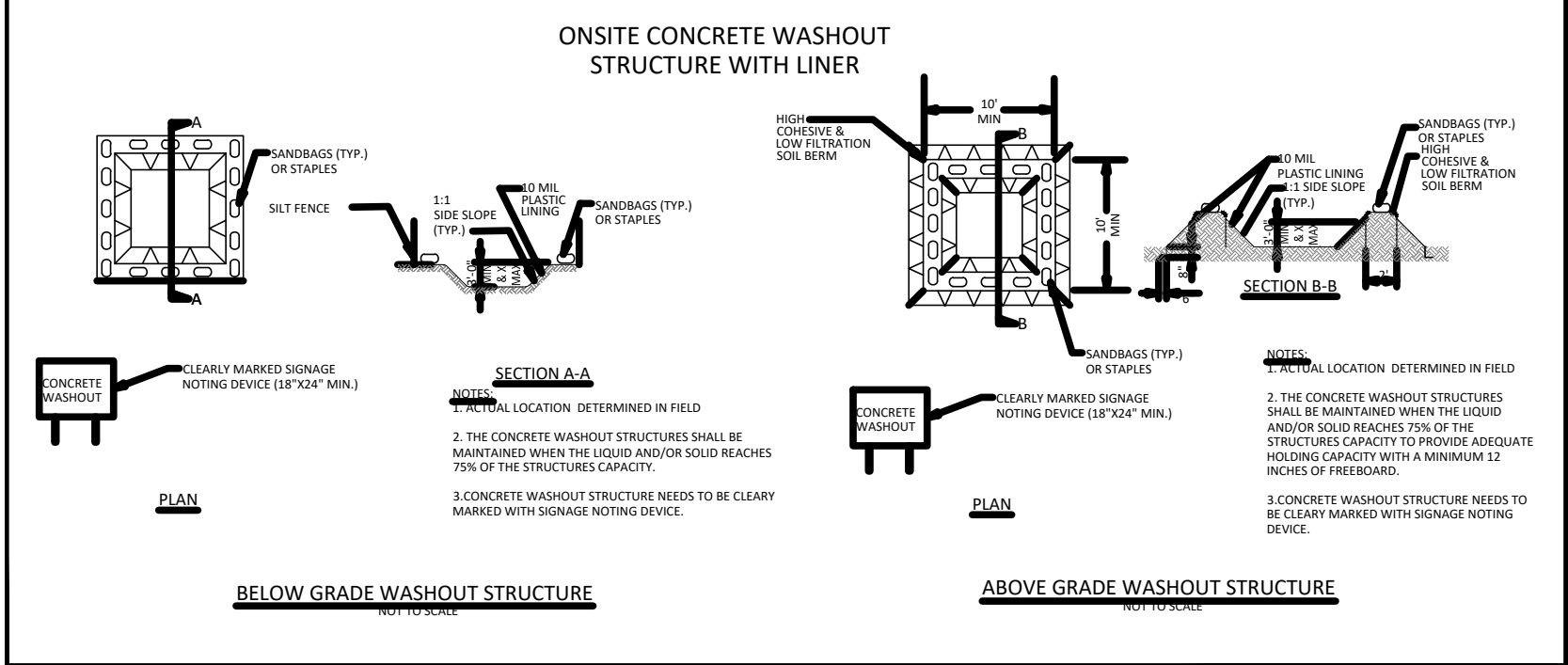
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



CONCRETE WASHOUTS

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19



HARNETT REGIONAL JETPORT
615 AIRPORT RD, ERWIN, NC
28339



PARRISH AND PARTNERS OF NORTH CAROLINA, LLC

APPR									
REVISIONS	DESCRIPTION	NO.	DATE	DESIGNER	TECHNICIAN	QC REVIEWER			
				CNH	CNH	JMW			

PROJECT NAME

FUEL FARM

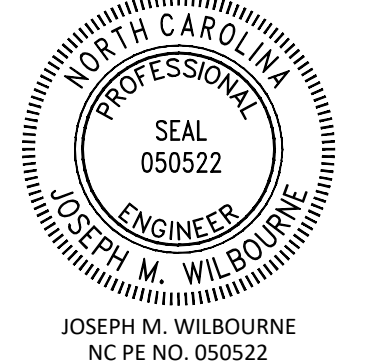
FAA AIP NO. N/A

STATE GRANT NO. 36237.25.21.1

SHEET NAME

EROSION
CONTROL DETAILS

ENGINEER'S SEAL



DATE PREPARED

P&P PROJECT NO. 1602

DRAWING NO.

C-904

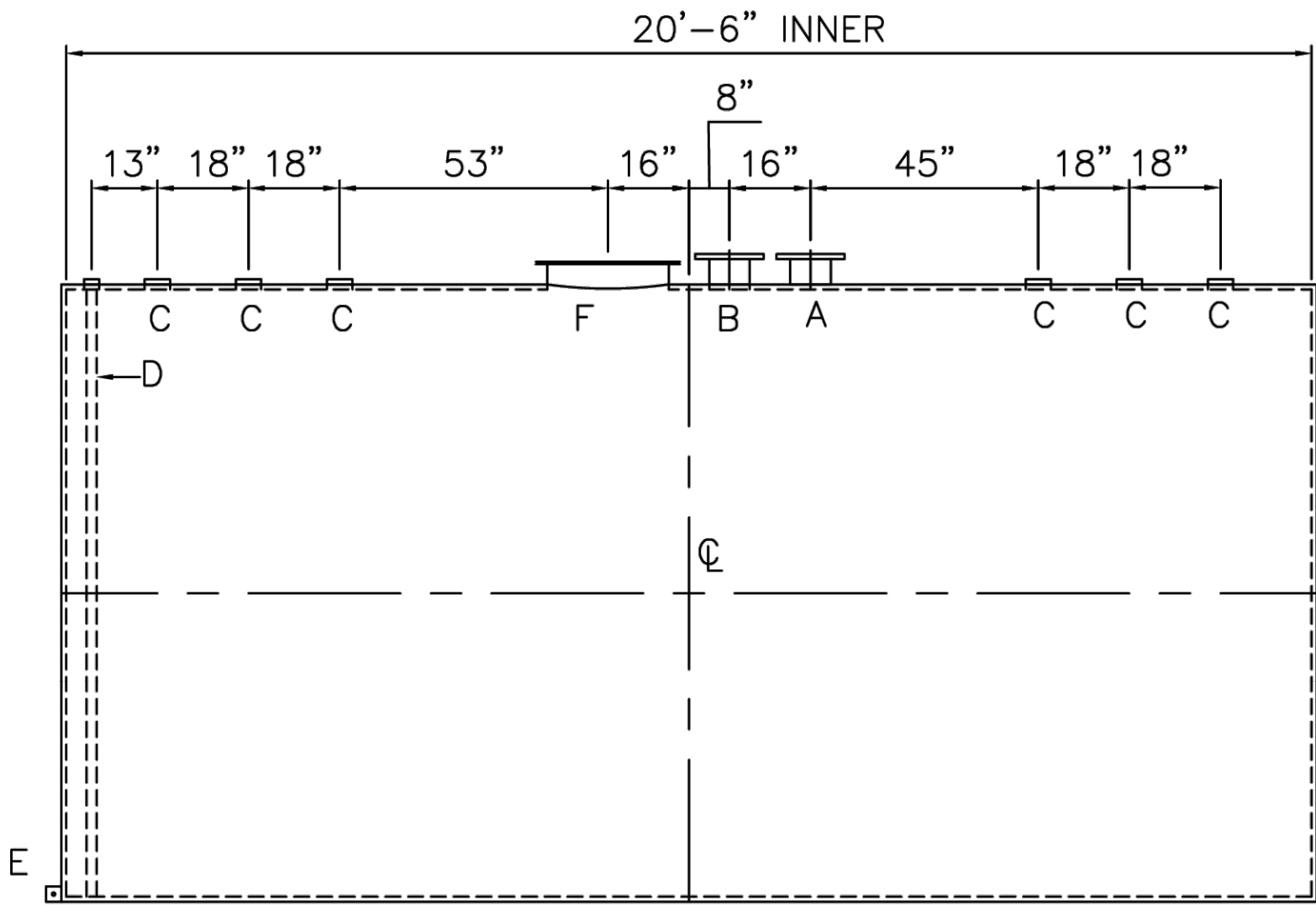
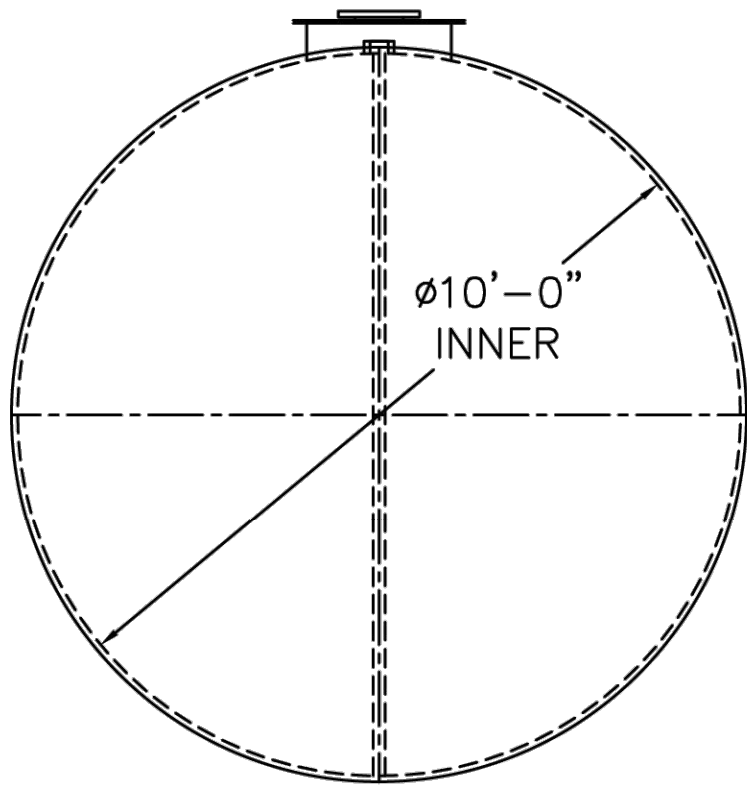
SHEET 22 OF 25

NOTE: FUEL TANKS SHOWN ARE FOR REPRESENTATION ONLY. ALTERNATE EQUIVALENT PRODUCTS MAY BE PROPOSED.

NOTE: ALL RIGHTS RESERVED. THIS DRAWING MUST NOT BE REPRODUCED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF HIGHLAND TANK®. HIGHLAND TANK® SHALL BE RESPONSIBLE ONLY FOR ITEMS INDICATED ON THIS FABRICATION DRAWING UNLESS OTHERWISE NOTED. CUSTOMER IS RESPONSIBLE FOR VERIFYING CORRECTNESS OF SIZE AND LOCATION OF FITTINGS, ACCESSORIES, AND COATINGS SHOWN ON THIS DRAWING.

TOUCH UP OF FINISHED PAINT IS REQUIRED BY INSTALLATION CONTRACTOR. TOUCH UP PAINT SHIPPED WITH TANK.

SHIPPING LUGS AS NEEDED



DESIGN DATA
CAPACITY – 12,000 GALLONS
TYPE – DOUBLE WALL – TYPE I
NO. REQ. – –
OPERATING PRESSURE – ATMOSPHERIC
SPECIFIC GRAVITY = 1.0
TANK MATERIAL – MILD CARBON STEEL
THICKNESS – INNER– HEADS: 5/16” SHELL: 1/4”
THICKNESS – OUTER– HEADS: 1/4” SHELL: 7 GA
CONSTRUCTION – INNER – LAP WELD OUTSIDE ONLY
OUTER – LAP WELD OUTSIDE ONLY
TANK TEST – INNER – 5 PSIG
OUTER – +3 PSIG OR 13”hg VACUUM
INT. FINISH – NONE
EXT. FINISH – SHOP PRIMER
LABEL – UL 142

<u>LEGEND</u>	
A	8" FFSO 150# FLANGE THROUGH OUTER SHELL ONLY, MARK WITH SPECIAL WARNING LABEL – INTERSTITIAL EMERGENCY VENT USE ONLY
B	8" FFSO 150# FLANGE – PRIMARY EMERGENCY VENT
C	4" FITTING
D	2" INTERNAL INTERSTITIAL MONITOR PIPE
E	3" x 3" PLATE W/ 1/2"Ø (MIN.) HOLE ON Q (GROUNDING LUG – ONE REQ'D)
F	24"Ø TIGHT BOLT MANWAY w/ 1/8" FIBREFLEX GASKET MATERIAL.



Highland Tank

UNLESS NOTED, TOLERANCES ARE +/- 1"

12,000 GAL 120"Ø AG DW HORIZONTAL

CUSTOMER:

PROJECT:

QUOTE NO:

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

DATE:

DWG. BY:

CHK'D BY:

DWG. NO: 12000AHDW120



HARNETT REGIONAL JETPORT
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REVISIONS									
DESIGNER	CNH	TECHNICIAN	CNH	QC REVIEWER	JMW				

PROJECT NAME

FUEL FARM

FAA AIP NO:

N/A

STATE GRANT NO:

36237.25.21.1

SHEET NAME

FUEL STORAGE TANK DETAILS

ENGINEER'S SEAL



JOSEPH M. WILBOURNE
NC PE NO. 050522

DATE PREPARED

P&P PROJECT NO.

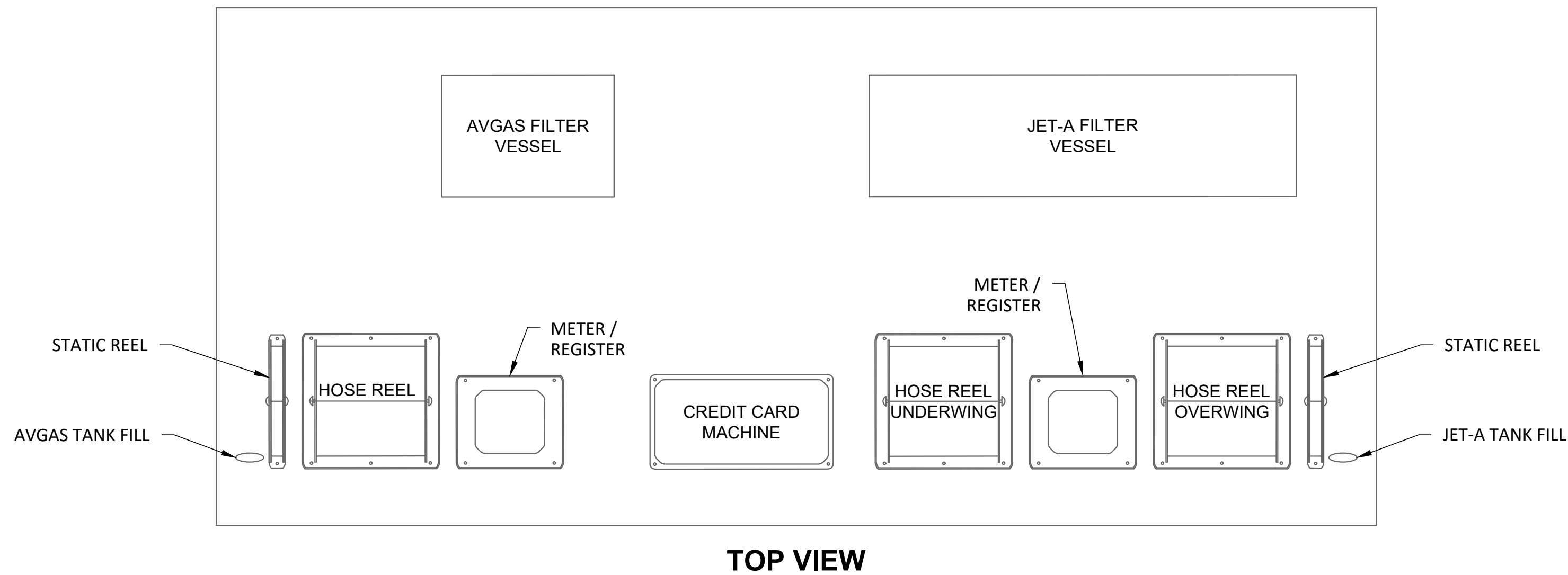
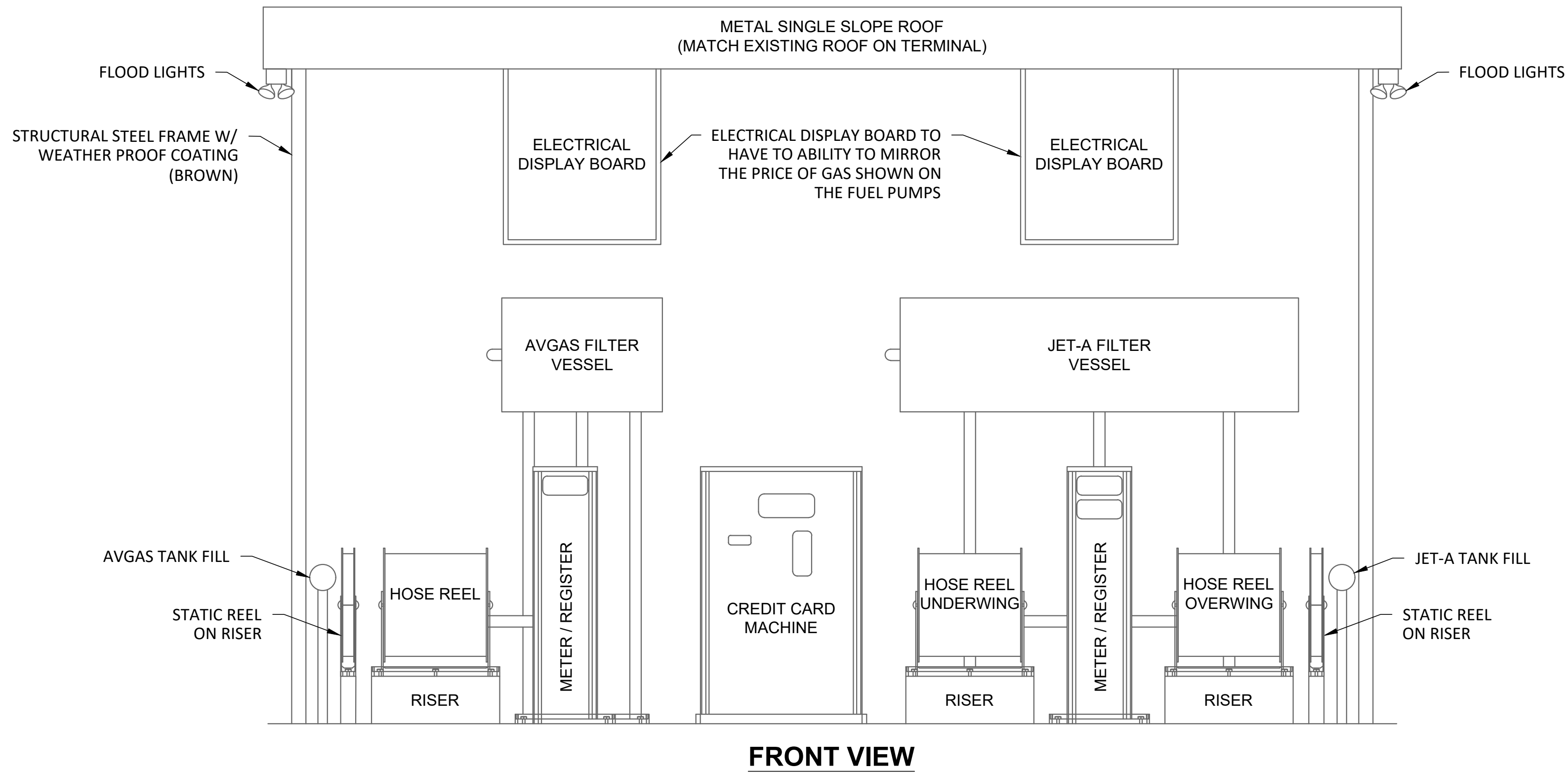
1602

DRAWING NO.

C-905

SHEET 23 OF 25

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FUELING CANOPY DETAILS

NTS

NOTES:

1. DETAILS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL SUBMIT A SHOP DRAWING FOR APPROVAL BY ENGINEER AND OWNER.
2. SIZE OF THE CANOPY SHALL BE LARGE ENOUGH TO ENCOMPASS ALL EQUIPMENT NECESSARY FOR THE FUELING AREA, AND MAINTAIN A MINIMUM OF AN 8' HEIGHT CLEARANCE UNDER CANOPY.
3. REFUELING OF STORAGE TANKS SHALL BE ACCESSED FROM THE FUELING CANOPY.
4. FUELING AREA SHALL HAVE ALL EQUIPMENT NECESSARY FOR FULL SELF SERVICE OF BOTH JET-A AND AVGAS.
5. FLOOD LIGHTS SHALL BE ABLE TO LIGHT FUELING MACHINES AND LENGTH OF HOSE REELS.
6. ROOF SHALL INCLUDE GUTTER ON BACK SIDE (GUTTER AND DOWNSPOUTS SHALL MATCH EXISTING ONES ON TERMINAL BUILDING).
7. SECONDARY EMERGENCY SHUT OFF BUTTON SHALL BE IN AN EASILY ACCESSIBLE LOCATION UNDER THE CANOPY. LOCATION TO BE SHOWN ON SHOP DRAWING PROVIDED BY CONTRACTOR.
8. FUEL LEVEL IN TANKS SHALL BE ELECTRONIC AND ABLE TO SEND NOTIFICATION TO PHONE OF FUEL LEVEL.



HARNETT REGIONAL JETPORT
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PROJECT NAME

FUEL FARM

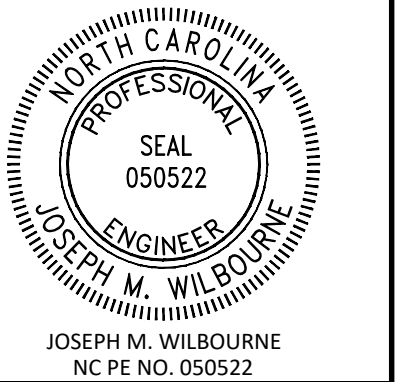
FAA AIP NO. N/A

STATE GRANT NO. 36237.25.21.1

SHEET NAME

FUEL ISLAND
DETAILS

ENGINEER'S SEAL



JOSEPH M. WILBOURNE
NC PE NO. 050522

DATE PREPARED: ---

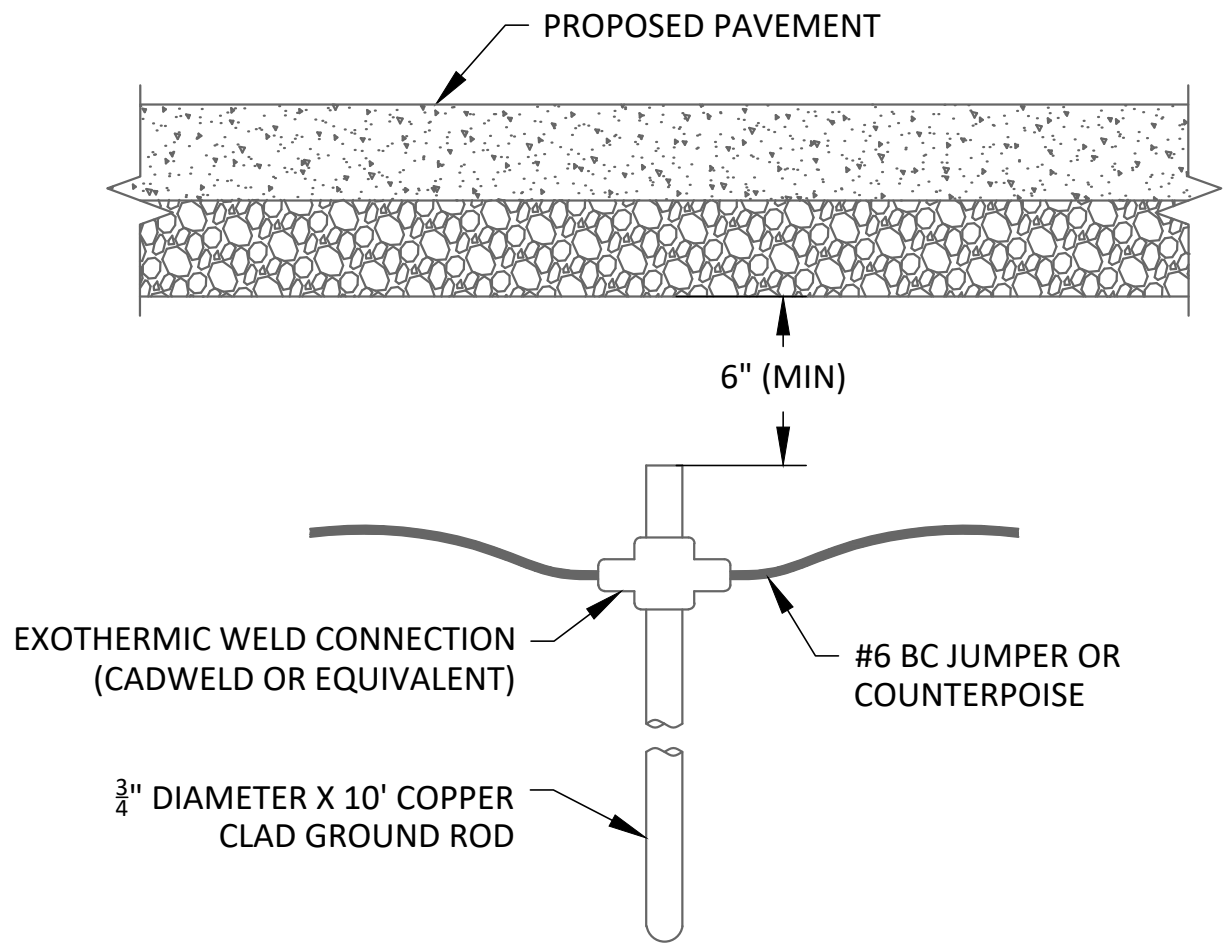
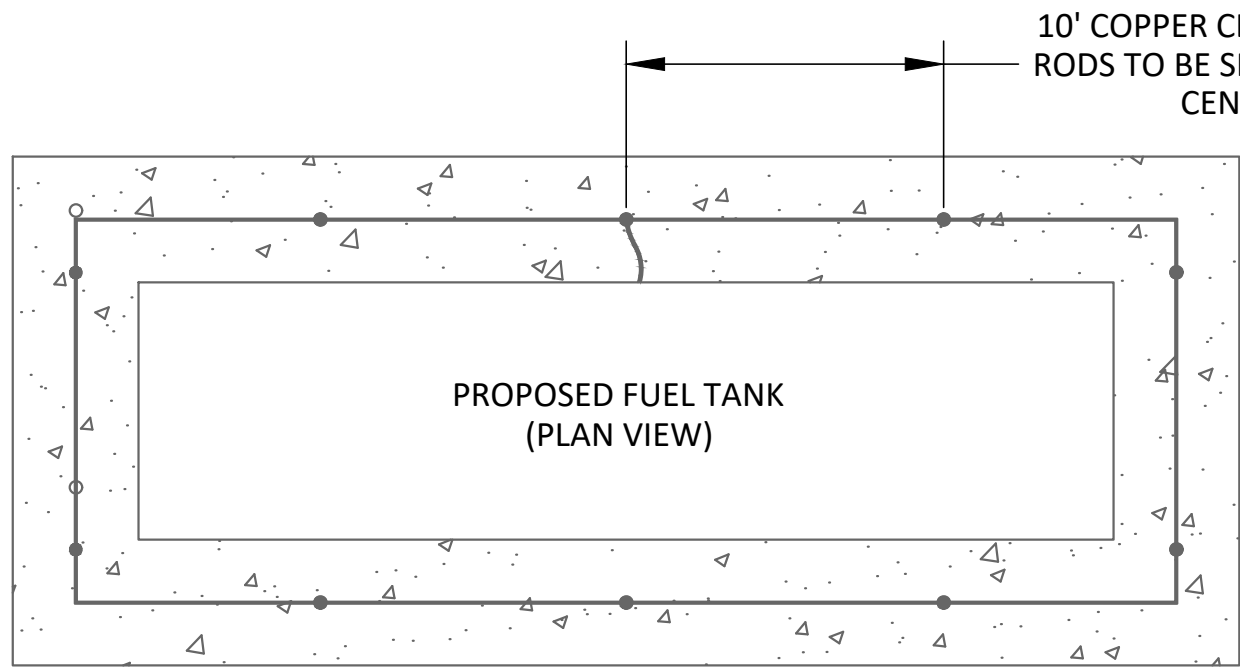
P&P PROJECT NO. 1602

DRAWING NO.

C-906

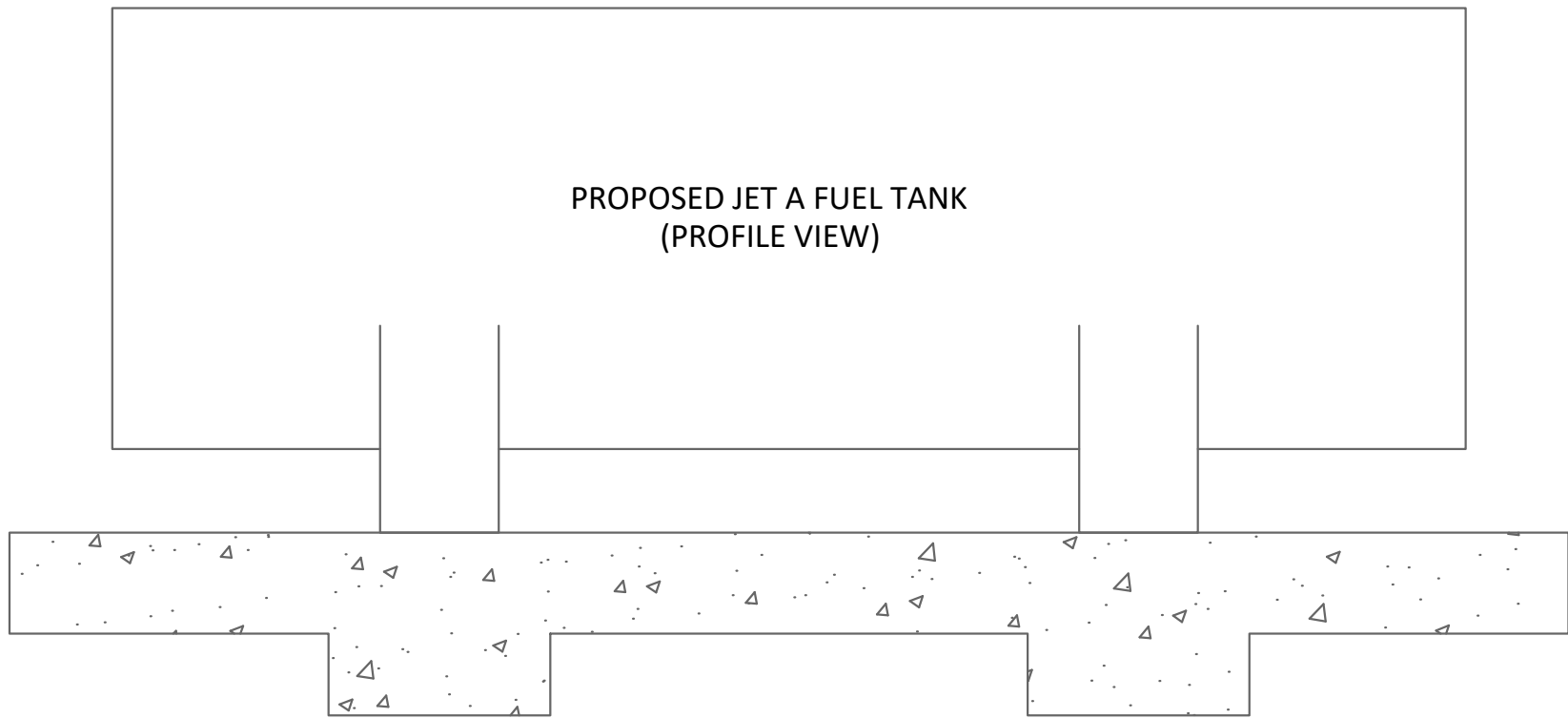
SHEET 24 OF 25

Z:\PROJECTS\HRI - HARNETT REGIONAL JETPORT\2023 - FUEL FARM\03-DESIGN PHASE\A-AUTOCAD FILES\90% PLAN SET\14 - FUEL FARM DETAILS.DWG



TANK GROUNDING DETAILS

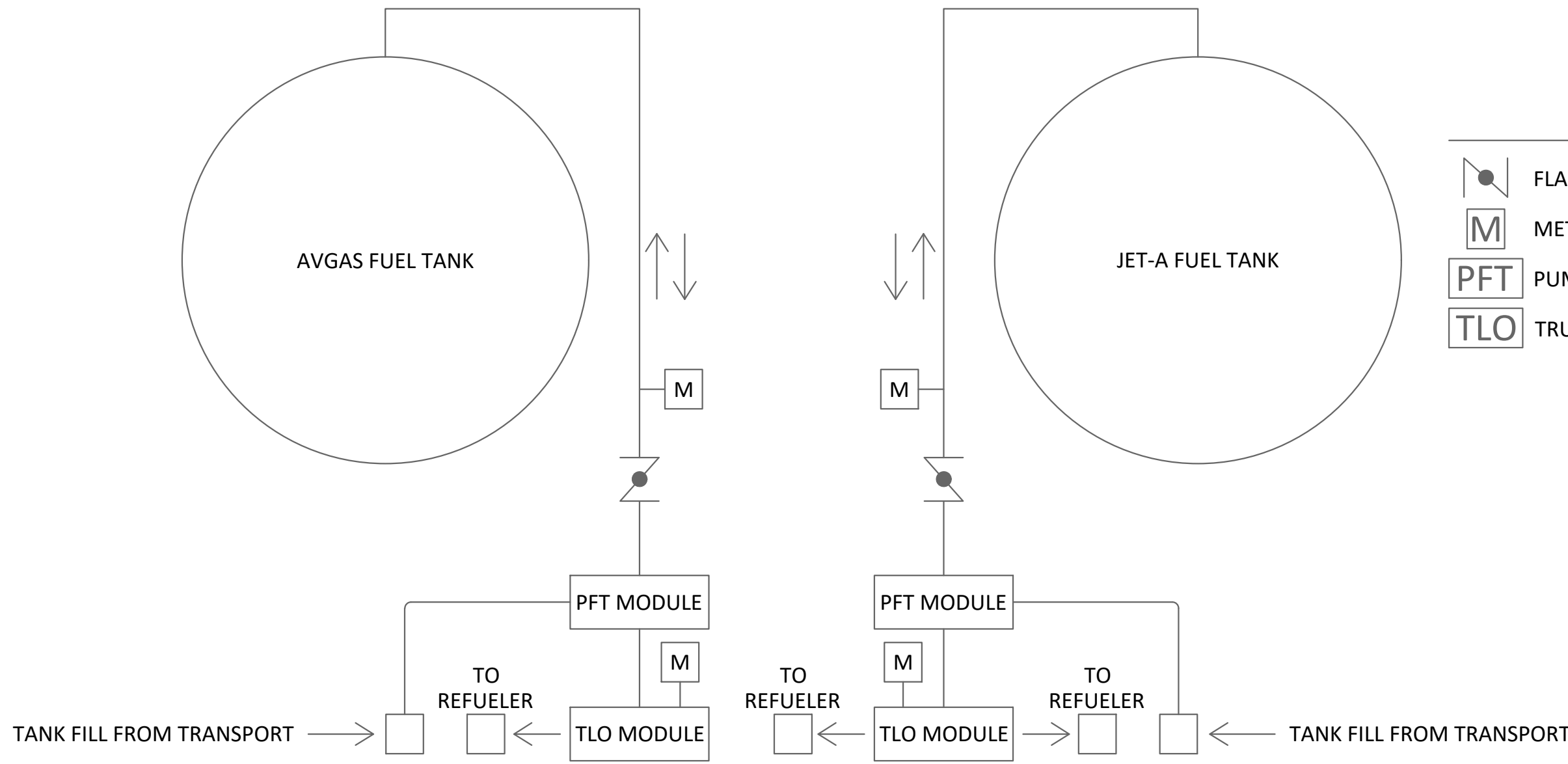
NTS



TYPICAL TANK SLAB DETAIL

NTS

- NOTES:
- TANK SLAB SHALL BE THICKENED UNDER TANK SADDLE SUPPORTS.
 - CONTRACTOR TO DESIGN TANK SLAB IN ACCORDANCE WITH TANK MANUFACTURER SPECIFICATIONS.



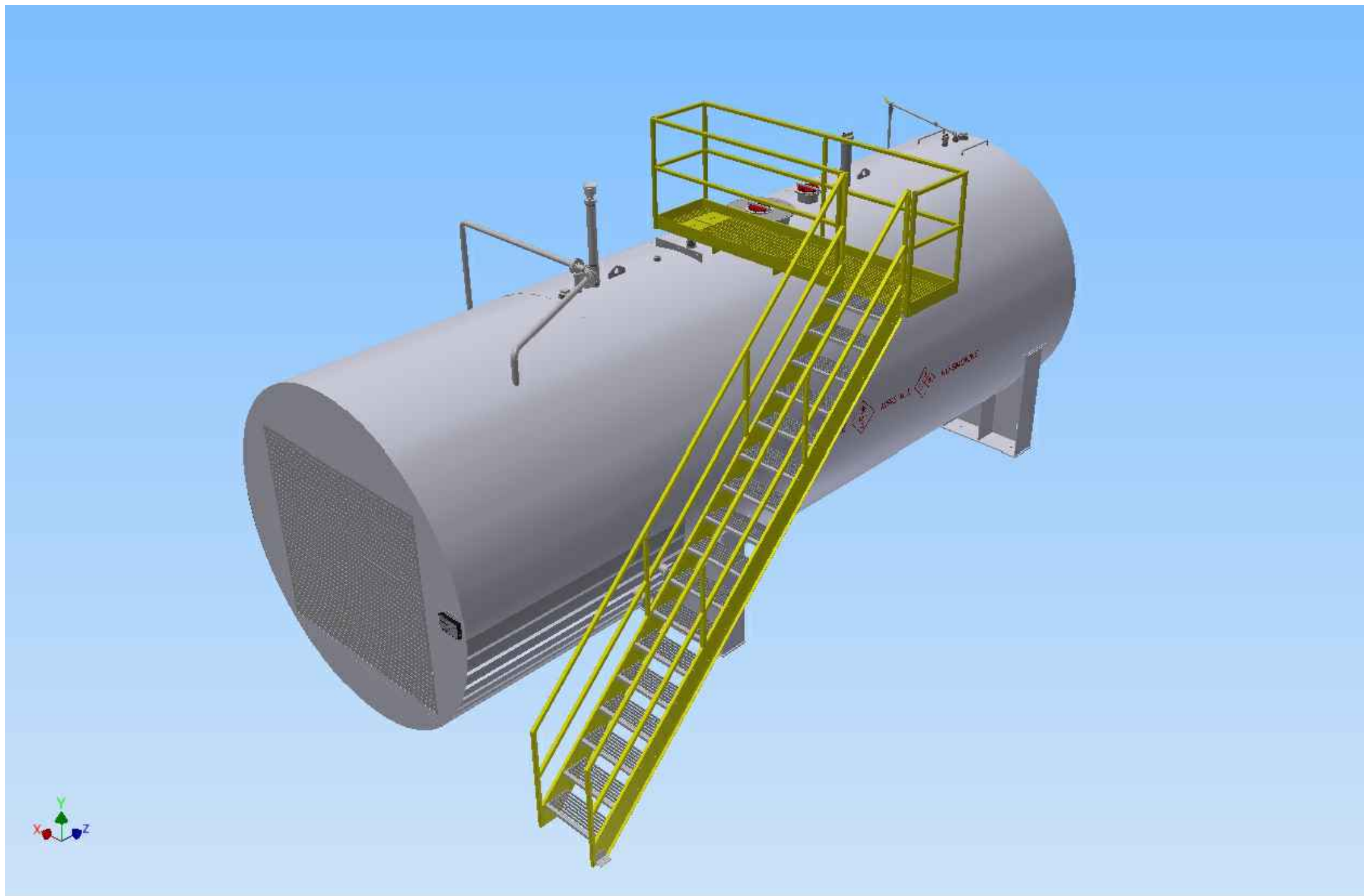
LEGEND

- FLANGED BUTTERFLY VALVE
- METER
- PFT PUMP AND FILTRATION MODULE
- TLO TRUCK LOADING MODULE

GENERAL PIPE FUNCTION SCHEMATIC

NTS

- NOTES:
- CONTRACTOR SHALL BE REQUIRED TO SUBMIT PIPING PLAN BEFORE CONSTRUCTION.
 - ALL PIPING TO BE FLANGED OR WELDED STAINLESS STEEL
 - ALL PIPES AND MATERIALS TO BE IN ACCORDANCE WITH NFPA, STATE, AND FEDERAL REQUIREMENTS.
 - ALL MATERIALS TO BE RATED FOR CORROSIVE ENVIRONMENTS, I.E. NEMA 4X.



CATWALK DETAIL

NTS

- NOTES:
- FUEL TECH INC. CUSTOM LADDER PLATFORM AND STAIRS WERE USED AS THE BASIS OF DESIGN. A SHOP DRAWING FOR A FUEL TECH INC. CUSTOM LADDER PLATFORM AND STAIRS OR AN ENGINEER APPROVED EQUIVALENT SHALL BE SUBMITTED AND APPROVED PRIOR TO PROCUREMENT.
 - CATWALK TO BE ACQUIRED DURING PHASE 1 (PROCUREMENT PHASE) TO ENSURE NEW TANK AND CATWALK INSTALLATION ARE COMPATIBLE.
 - CONTRACTOR TO SUBMIT COLOR OPTIONS FOR CATWALK FOR APPROVAL BY ENGINEER AND OWNER.



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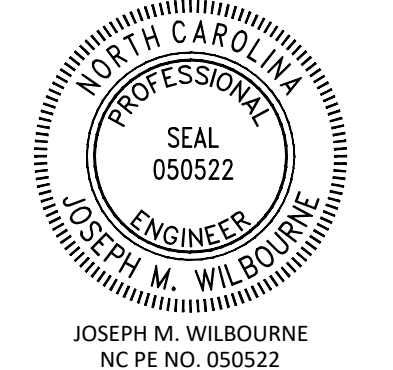
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STATE GRANT NO. 36237.25.21.1

SHEET NAME

FUEL ISLAND
DETAILS

ENGINEER'S SEAL



DATE PREPARED

P&P PROJECT NO. 1602

DRAWING NO.

C-907

SHEET 25 OF 25