# CANANDAIGUA AIRPORT CONVENTIONAL HANGAR



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CONSTRUCTION SAFETY & PHASING DETAILS

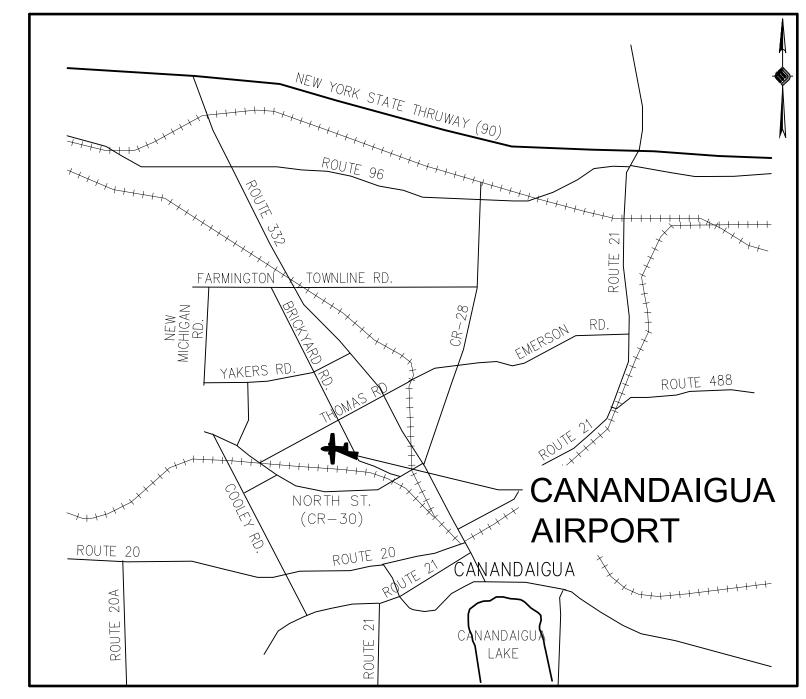
**EXISTING CONDITIONS & SURVEY CONTROL PLAN** 

SHEET TITLE

PRELIMINARY PLANS JANUARY 08, 2021

TOWN OF CANANDAIGUA COUNTY OF ONTARIO STATE OF NEW YORK

NYSDOT P.I.N. 4905.56



VICINITY MAP

PLANNING BOARD CHAIRPERSON:

TOWN HIGHWAY AND WATER SUPERINTENDENT

CANANDAIGUA-FARMINGTON WATER AND SEWER DISTRICT:

**TOWN ENGINEER:** 

PREPARED FOR:



ONTARIO COUNTY INDUSTRIAL DEVELOPMENT AGENCY 20 ONTARIO STREET, SUITE 106-B CANANDAIGUA, NY 14424 (585) 396-4460 WWW.ONTARIOCOUNTYDEV.ORG



SEALED ADAM J. FROSINO 01-08-2021 PE DATE

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPI ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

PREPARED BY:

MCFARLAND JOHNSON PROJECT NUMBER: 18194.12

#### **GENERAL CONSTRUCTION NOTES**

- 1. THE PLANS SHOW SUBSURFACE STRUCTURES, ABOVE-GROUND STRUCTURES AND/ OR UTILITIES FROM FIELD LOCATION AND RECORD MAPPING. EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE DIFFERENT FROM THAT SHOWN OR MAY NOT BE SHOWN, AND IT SHALL BE THEIR RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 72 HOURS BEFORE YOU DIG, DRILL, OR LAST, CALL DIG SAFELY NEW YORK 1 (800) 962-7962.
- 2. CONTRACTOR SHALL LOCATE ALL ELECTRICAL CIRCUITS AND MARK LOCATION 24 HOURS PRIOR TO COMMENCING WORK IN THAT AREA.
- 3. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. EACH PRIME CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED WRITTEN APPROVAL OF THE ENGINEER.
- 4. THE GENERAL PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC. AND SHALL COMPLY WITH ALL REQUIRED PERMITS.
- 5. ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, STANDARDS, ORDINANCES, RULES AND REGULATIONS.
- 6. EACH PRIME CONTRACTOR SHALL:
- 6.1. VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES.
- 6.2. EXAMINE THE SITE AND INCLUDE IN HIS WORK THE EFFECT OF 6. ALL EXISTING CONDITIONS ON THE WORK.
- PROVIDE AND INSTALL ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH RECOGNIZED GOOD STANDARD PRACTICE.
- 6.4. HOLD THE OWNER HARMLESS AGAINST ANY AND ALL CLAIMS ARISING FROM WORK DONE BY THE CONTRACTOR ON THE SITE.
- 7. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS OF NEW YORK STATE INDUSTRIAL CODE RULE 23 AND OSHA REGULATIONS FOR CONSTRUCTION. SHEET PILING SHALL BE DESIGNED AND SEALED BY A NEW YORK STATE PROFESSIONAL ENGINEER.
- 8. THE GENERAL PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR DE-WATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN EXISTING SITE DRAINAGE PATTERNS THROUGHOUT CONSTRUCTION.
- 9. ALL UTILITY WORK INVOLVING CONNECTIONS TO EXISTING SYSTEMS SHALL BE COORDINATED WITH THE ENGINEER AND THE UTILITY OWNERS. NOTIFY THE ENGINEER AND THE UTILITY OWNER 72 HOURS BEFORE EACH AND EVERY CONNECTION TO EXISTING SYSTEMS IS MADE.
- 10. ACCESS FOR RESCUE AND FIRE FIGHTING EQUIPMENT AND PERSONNEL SHALL BE MAINTAINED AT ALL TIMES. THE AIRPORT RESCUE AND FIRE FIGHTING OPERATIONS SHALL HAVE RIGHT-OF-WAY OVER ALL CONTRACTORS OPERATIONS AT ALL
- 11. EACH PRIME CONTRACTOR WILL SUBMIT A PROJECT HEALTH AND SAFETY PLAN TO THE RESIDENT ENGINEER A MINIMUM OF SEVEN (7) DAYS BEFORE THE START OF WORK.
- 12. EACH PRIME CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE RESULTING FROM HIS WORK ACTIVITIES ON THEIR RESPECTIVE CONTRACTS AND ALL DAMAGE SHALL BE REPAIRED AT THE EXPENSE OF EACH PRIME CONTRACTOR.
- 13. THE BID PRICES SHALL INCLUDE ALL CONTRACTOR OPERATIONS AS SHOW ON THE PLANS, ESTIMATE OF QUANTITIES AND IN THE PROJECT SPECIFICATIONS. PAYMENT ITEMS AND CONSTRUCTION SPECIFICATIONS REFERENCE FEDERAL AVIATION ADMINISTRATION AND NYSDOT CONSTRUCTION STANDARDS.
- 14. POINTS OF ACCESS TO WORK AREAS OTHER THAN THOSE SHOWN ON THE CONSTRUCTION DRAWINGS SITE PLAN SHALL BE AT THE DISCRETION OF THE AIRPORT MANAGEMENT.
- 15. ALL PRIME CONTRACTORS ARE RESTRICTED TO THE WORK HOURS OF 7 AM - 5 PM MONDAY THRU FRIDAY. THE CONTRACTOR SHALL NOT WORK WEEKENDS OR HOLIDAYS.
- 16. THIS PROPERTY IS SUBJECT TO THE PROVISIONS OF THE TOWN OF CANANDAIGUA'S "RIGHT-TO-FARM LAW" AS THE PROPERTY MAY BE NEAR A FARM AS DEFINED IN THE NEW YORK STATE AGRICULTURE AND MARKETS LAW, SECTION 301, SUBSECTION 11. SOUND FARMING PRACTICES MAY GENERATE DUST, ODOR, SMOKE, NOISE, AND VIBRATION.

#### AIRPORT CONSTRUCTION NOTES

- 1. IN ADDITION TO NORMAL SAFETY PRECAUTIONS EXPECTED OF EACH PRIME CONTRACTOR, IT IS NOTED THAT SPECIAL CONSIDERATIONS MUST BE GIVEN TO THE FACT THAT CONSTRUCTION ACTIVITY WILL BE TAKING PLACE WITHIN THE CONFINES OF AN ACTIVE AIRPORT. IN THIS REGARD, NO EQUIPMENT OR MATERIAL CAN BE LOCATED SO AS TO OBSTRUCT THE SAFE FLOW OF TRAFFIC ON THE EXISTING RUNWAY AND TAXIWAY SURFACES.
- 2. ALL CONSTRUCTION VEHICLES OPERATING ON AIRPORT PROPERTY ATTACHED TO THE VEHICLE, SO THAT THE FLAG WILL BE READILY VISIBLE. THE FLAG SHALL NOT BE LESS THAN THREE FEET SQUARE CONSISTING OF AVIATION ORANGE AND WHITE SQUARES OF NOT LESS THAN ONE FOOT ON EACH SIDE. ROTATING AMBER BEACONS SHALL BE USED AT NIGHT.
- 3. THE GENERAL CONTRACTOR'S JOB SUPERINTENDENT IS TO MEET PRIOR TO THE START OF EACH WORKING DAY WITH THE PROJECT RESIDENT ENGINEER TO COORDINATE DAILY CONSTRUCTION.
- 4. THE GENERAL CONTRACTOR IS TO POST A GUARD AT ALL GATES USED FOR ACCESS OF CONSTRUCTION EQUIPMENT AND/OR PERSONNEL. IF NOT MANNED, GATES MUST BE SECURELY LOCKED.
- 5. THE ACCESS ROUTE ILLUSTRATED ON THE PLAN IS TO BE USED FOR ACCESS TO THE WORK AREAS. ALL ACCESS ROADS TO STAGING AREAS AND/OR WORK AREAS ARE TO BE DEVELOPED AND MAINTAINED BY THE GENERAL CONTRACTOR. THESE ROADS AND ALL OTHER DISTURBED AREAS ARE TO BE RETURNED TO THEIR ORIGINAL CONDITION AT THE EXPENSE OF THE GENERAL CONTRACTOR UPON COMPLETION OF THE PROJECT. ANY RUTTING OR DAMAGE TO THE ACCESS ROAD SHALL BE REPAIRED IMMEDIATELY BY THE GENERAL CONTRACTOR.
- ANY FINES ASSESSED TO THE AIRPORT DUE TO VIOLATIONS BY ANY OF THE CONTRACTOR OF FAA SECURITY REQUIREMENTS WILL BE PASSED ON TO THE RESPONSIBLE PRIME CONTRACTOR.
- ANY FINES ASSESSED TO THE AIRPORT DUE TO VIOLATIONS BY ANY PRIME CONTRACTOR OF NYS DEC STORMWATER RUNOFF REQUIREMENTS WILL BE PASSED ON TO THE RESPONSIBLE PRIME CONTRACTOR.
- 8. EACH PRIME CONTRACTOR SHALL COMPLY WITH FAA ADVISORY CIRCULAR (AC) 150/5370-2G, THE PROJECT SPECIFICATIONS, AND THE PLANS FOR GUIDANCE ON OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION. ALL DEBRIS DEPOSITED ON ANY AIRPORT PAVEMENT SHALL BE REMOVED CONTINUOUSLY DURING THE COURSE OF WORK. IN ADDITION, THE GENERAL CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO PREVENT MATERIALS FROM ESCAPING FROM THE WORK AND/OR STOCKPILE AREAS. THIS WORK SHALL BE PAID FOR UNDER MAINTENANCE AND PROTECTION OF TRAFFIC, ITEM M-120-3.1
- 9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUOUS REMOVAL OF FOREIGN OBJECT DEBRIS (FOD) FROM ALL AIRFIELD PAVEMENTS AND PUBLIC ROADWAYS. APPROPRIATE EQUIPMENT (SWEEPERS/VACUUM TRUCKS) SHALL BE ON SITE DURING ALL CONSTRUCTION WORK PERIODS. THIS WORK SHALL BE INCLUDED IN ITEM M-120-3.1, MAINTENANCE AND PROTECTION OF TRAFFIC.
- 10. NOTICE TO AIRMEN (NOTAM) ON ALL CONSTRUCTION ACTIVITIES WILL BE DIRECTED THROUGH THE ENGINEER AND ISSUED BY THE AIRPORT. ALL CLOSURES OF ANY PORTION OF A TAXIWAY OR RUNWAY WILL REQUIRE A MINIMUM OF 72 HOURS NOTICE PRIOR TO THE REQUESTED CLOSURE. REQUESTS FOR CLOSURE MUST BE MADE BY THE GENERAL PRIME CONTRACTOR THROUGH THE ENGINEER AND WILL BE COORDINATED WITH THE AIRPORT. THE AUTHORITY TO CLOSE ANY AIRPORT FACILITY RESTS ENTIRELY WITH THE AIRPORT.
- 11. ALL CONSTRUCTION EQUIPMENT MUST MAINTAIN A DISTANCE GREATER THAN 25 FEET FROM ANY PARKED AIRCRAFT.
- 12. AT THE COMPLETION OF WORK IN ANY CONSTRUCTION PERIOD. AND PRIOR TO THE SCHEDULED OPENING OF THE DESIGNATED AIRFIELD FACILITIES, AN INSPECTION TO DETERMINE WHETHER THE RESPECTIVE AIRPORT FACILITIES ARE IN THE APPROPRIATE CONDITION TO BE OPENED WILL BE PERFORMED BY THE ENGINEER AND A REPRESENTATIVE OF THE AIRPORT. EACH PRIME CONTRACTOR'S CONSTRUCTION SUPERVISOR MUST BE PRESENT DURING THIS INSPECTION.
- 13. ALL PRIME CONTRACTORS ATTENTION IS DIRECTED TO SECTION 80-12 OF THE CONTRACT SPECIFICATIONS FOR SPECIFIC PROJECT OPERATING REQUIREMENTS.
- CRANE NOTES: THE USE OF A CRANE REQUIRES THE ISSUANCE OF A NOTICE TO AIRMEN (NOTAM). THE GENERAL CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE PRIOR TO THE USE OF THE CRANE. THE CRANE SHALL BE EQUIPPED WITH AN ORANGE AND WHITE FLAG. THE BOOM SHALL BE LOWERED WHEN NOT IN USE.

#### SURVEY NOTES

- MAPPING PROVIDED BY RAVI ENGINEERING AND LAND SURVEYING P.C., SEPTEMBER 2020.
- 2. ALL LAYOUT USED FOR THE CONSTRUCTION WORK WILL BE SET BY THE CONTRACTOR USING THE CONTROL POINTS PROVIDED. THE BENCHMARK INFORMATION AND CONTROL POINTS (HORIZONTAL AND VERTICAL) SHOWN ON THE PLANS ARE PROVIDED FOR THE USE OF THE CONTRACTOR AND ARE INTENDED FOR GENERAL INFORMATION ONLY. ALL WORK INCLUDED IN ITEM M-150-5.1.
- MUST BE PROVIDED WITH AN FAA APPROVED FLAG ON A STAFF AND 3. ALL SURVEY REFERENCES THE NYSPCS NAD 83 CENTRAL ZONE AND DATUM NAVD88.
  - 4. ALL BUILDING LOCATION STAKEOUT IS SUBJECT TO THE OWNERS APPROVAL BEFORE CONSTRUCTION STARTS.

#### CONTRACT BIDDING NOTES

- GENERAL CONSTRUCTION INCLUDES ALL MPT, SURVEY, EXCAVATION, BACKFILL, CONCRETE, PAVEMENT, SUPPLY AND ERECTION OF PRE-MANUFACTURED BUILDING, DOORS, BUILDING INSULATION AND FINISHING.
- FINAL FRAMING, ANCHOR BOLT SIZE AND LOCATIONS, FOUNDATION DEATILS, ERECTION, DRAWINGS TO BE PRODUCED BY PRE-ENGINEERED BUILDING MANUFACTURERS. CONTRACTORS SHALL SUBMIT DRAWINGS SEALED BY LICENSED NEW YORK STATE PROFESSIONAL ENGINEER FOR REVIEW AND APPROVAL.
- 3. DESIGN PER THE BUILDING CODE OF NEW YORK STATE INCLUDING SUPPLEMENTS THROUGH SEPTEMBER, 2017.
- 4. VERIFY SIZE OF BUILDING AND ATTACHMENTS REQUIRED WITH THE PREFABRICATED BUILDING MANUFACTURER PRIOR TO DEVELOPING SHOP DRAWINGS.
- 5. DO NOT CHANGE SIZE NOR SPACING OF STRUCTURAL ELEMENTS IN APPROVED SHOP DRAWING.
- THE GENERAL CONTRACTOR SHALL SUBMIT TO THE ENGINEER/OWNER, DETAILED DESIGN CALCULATIONS BY A NYS LICENSED PROFESSIONAL ENGINEER SHOWING THE BUILDING MEETS DESIGN REQUIREMENTS. IN ADDITION, THE GENERAL CONTRACTOR SHALL PROVIDE EVIDENCE OF MANUFACTURING CAPABILITIES AND EXPERIENCE OF THE MANUFACTURER
- ALL COSTS ASSOCIATED WITH A CONTRACTOR'S CHOICE TO SUPPLY A BUILDING FROM AN ALTERNATIVE MANUFACTURER INCLUDING FOUNDATION DESIGN, INCREASE IN PROJECT QUANTITIES, ELECTRICAL CHANGES, CONSTRUCTION COST INCREASES SHALL BE BORNE BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION SHALL BE MADE TO THE CONTRACTOR FOR SUPPLY OF AN ALTERNATE BUILDING.
- 8. EACH PRIME CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ALL PROPOSED DEVIATIONS OR SUBSTITUTIONS FROM THE DIMENSIONS, MATERIALS, OR EQUIPMENT SHOWN ON THE DRAWINGS. AND MAKE ONLY THOSE DEVIATIONS OR SUBSTITUTIONS ACCEPTABLE TO THE ENGINEER.
- GEOTECHNICAL REPORT HAS BEEN COMPLETED FOR THE PROJECT SITE AND IS AVALIBLE TO CONTRACTORS UPON REQUEST

PLANNING BOARD CHAIRPERSON:

TOWN HIGHWAY AND WATER SUPERINTENDENT:

CANANDAIGUA-FARMINGTON WATER AND SEWER DISTRICT:

**TOWN ENGINEER:** 

1. THE FOLLOWING INCLUDE ADDITIONAL WORK ASSOCIATED WITH PROJECT SCOPE ADDED TO THE BASE BID WHICH WILL HAVE BID AMOUNTS TO BE ADDED TO THE BASE BID SHOULD THE OWNER WISH TO INCLUDE THESE ITEMS IN THE PROJECT:

ADD ALT #1 - EXPANDED OFFICE ADD ALT #2 - SECOND HANGAR DOOR WITH PAVEMENT DRIVEWAY ADD ALT #3 - DOORWAY OVERHANGS

ESTIMATE OF QUANTITIES						
CONTRACT 01 - GENERAL CONTRACTOR						
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	FINAL		
G-100	BASE BID	LS	1			
G-101	ADD ALT #1 - EXPANDED OFFICE	LS	1			
G-102	ADD ALT #2 - SECOND HANGAR DOOR WITH PAVEMENT	LS	1			
G-103	ADD ALT #3 - DOORWAY OVERHANGS	LS	1			

ESTIMATE OF QUANTITIES						
CONTRACT 02 - ELECTRICAL CONTRACTOR						
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	FINAL		
E-100	BASE BID	LS	1			
E-101	ADD ALT #1 - EXPANDED OFFICE	LS	1			

	ESTIMATE OF QUANTITIES					
	CONTRACT 03 - PLUMBING CONTRACTOR					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	FINAL		
P-100	BASE BID	LS	1			
P-101	ADD ALT #1 - EXPANDED OFFICE	LS	1			

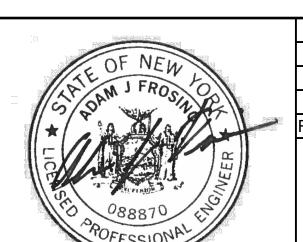
ESTIMATE OF QUANTITIES						
	CONTRACT 04 - MECHANICAL (HVAC) CONTRACTOR					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	FINAL		
M-100	BASE BID	LS	1			
M-101	ADD ALT #1 - EXPANDED OFFICE	LS	1			

### PRELIMINARY PLANS

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CANANDAIGUA AIRPORT TOWN OF CANANDAIGUA, STATE OF NEW YORK

**CONVENTIONAL HANGAR** 



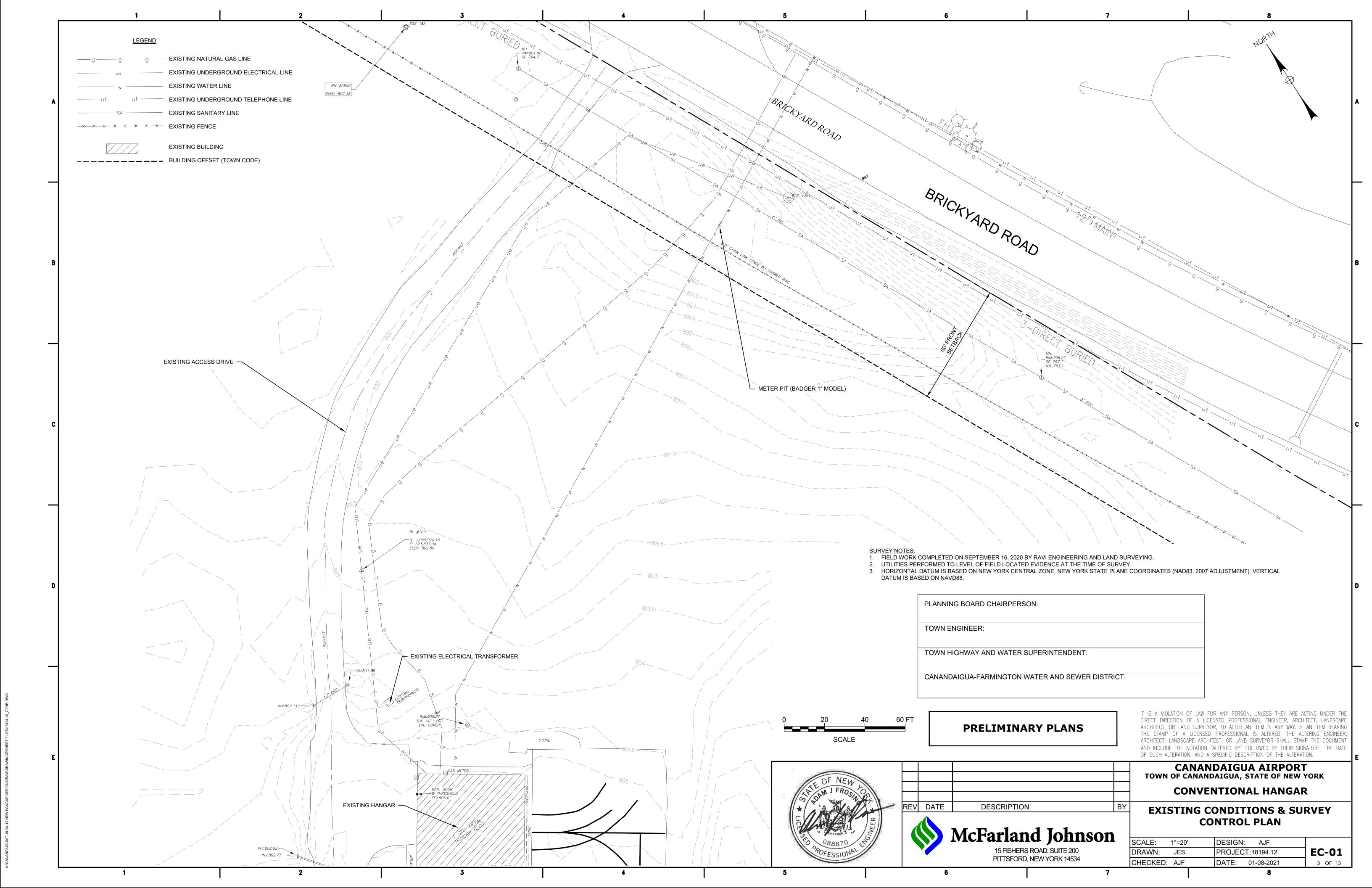
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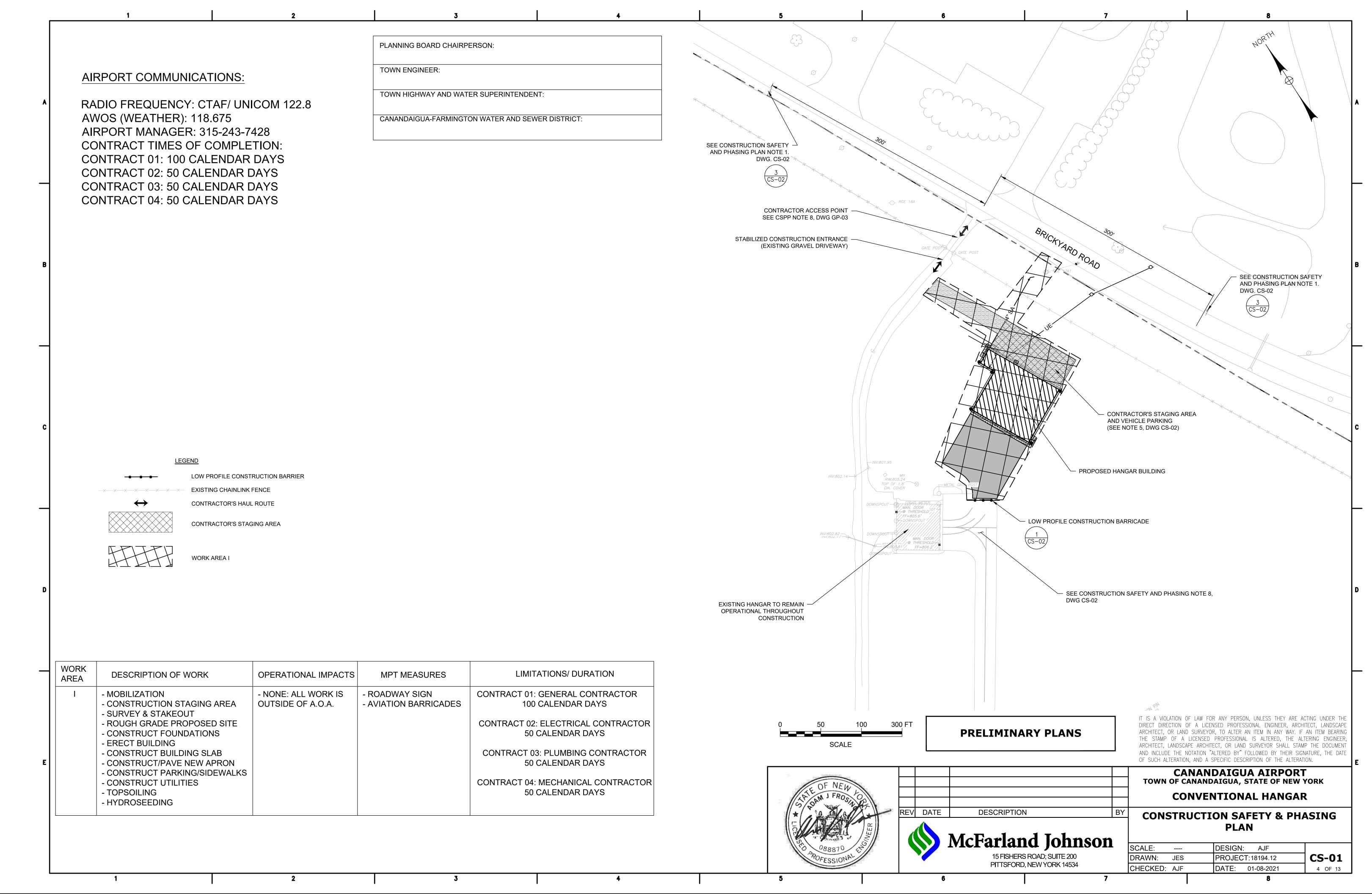
## **GENERAL NOTES & QUANTITY TABLES**

DESIGN: AJF SCALE: N/A DRAWN: JES PROJECT: 18194.12 **GN-01** CHECKED: AJF DATE: 01-08-2021 2 OF 13

McFarland Johnson

15 FISHERS ROAD; SUITE 200 PITTSFORD, NEW YORK 14534





:\CANANDA\GUA\T-18194.12 NEW HANGAR DESIGN\DRAW\DRAWINGS\SHEET FILES\18194.12\_CSPP.DWG

#### CONSTRUCTION SAFETY AND PHASING PLAN NOTES

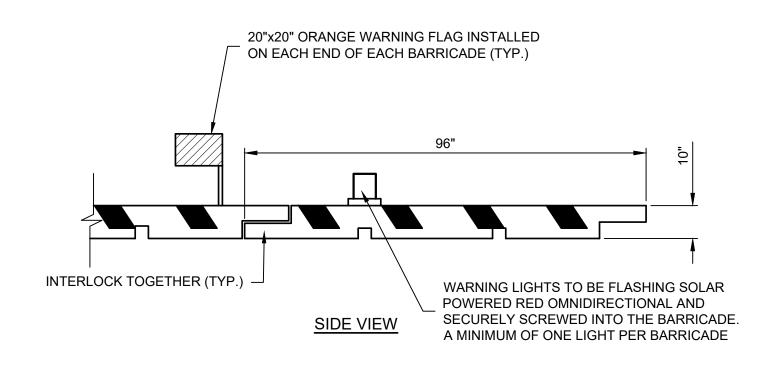
- 1. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL PLACE ALL CONSTRUCTION RELATED SIGNAGE, BARRICADES AND OTHER MAINTENANCE AND PROTECTION OF TRAFFIC RELATED ITEMS.
- 2. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE AND A HEALTH AND SAFETY PLAN TO THE ENGINEER PRIOR TO COMMENCING WORK ON THE AIRPORT. THE CONSTRUCTION SCHEDULE SHALL BE REVISED WEEKLY. NO WORK WILL BE ALLOWED OUTSIDE THE AREAS INCLUDED IN THE APPROVED SCHEDULE.
- 3. THE CONTRACTOR SHALL COORDINATE ALL CLOSURES WITH THE OWNER AND ENGINEER. THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER A MINIMUM OF 72 HOURS IN ADVANCE OF ANY REQUIRED CLOSURE OF PAVEMENT OR AREA.
- 4. ALL WORK ON PLANS CS-01 AND CS-02, UNLESS OTHERWISE NOTED, SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM M-120-3.1, MAINTENANCE AND PROTECTION OF TRAFFIC.
- 5. FINAL LOCATION AND DIMENSIONS OF CONTRACTOR'S STAGING AREA SHALL BE DETERMINED IN THE FIELD BY THE OWNER, ENGINEER AND CONTRACTOR.
- 6. PRIOR TO THE START OF CONSTRUCTION, THE ENGINEER AND CONTRACTOR SHALL COOPERATIVELY DOCUMENT THE CONDITION OF ALL HAUL ROUTES, INCLUDING THE PUBLIC HIGHWAY (BRICKYARD ROAD).
- 7. AT NO TIME SHALL THE CONTRACTOR'S PERSONNEL, EQUIPMENT OR VEHICLES ENTER THE RUNWAY OR TAXIWAY OBJECT FREE ZONES (ROFZ & TOFZ), OR ANY AIRFIELD PAVED AREA, UNLESS AUTHORIZED BY THE OWNER AND THE WORK AREA IS CLOSED TO AIRCRAFT. CONTRACTOR SHALL COORDINATE ALL WORK IN THE AIR OPERATIONS AREA (AOA) WITH THE ENGINEER.
- 8. CONTRACTOR'S ACCESS TO THE PROJECT SITE SHALL BE VIA THE SERVICE ROAD AND GATE AT BRICKYARD ROAD. NO OTHER AIRPORT GATE, ENTRANCE OR HAUL ROUTE SHALL BE UTILIZED BY THE CONTRACTOR OR HIS FORCES WITHOUT PRIOR APPROVAL BY THE ENGINEER. AT NO TIME SHALL THE CONTRACTOR CROSS ACTIVE AIRFIELD PAVEMENT, EXCEPT DURING THE WORK IN WORK AREA II, AND WITH PRIOR APPROVAL OF THE ENGINEER.
- 9. CONSTRUCTION PROGRESS MEETINGS SHALL BE HELD IN THE ENGINEER'S FIELD OFFICE IN THE STAGING AREA, UNLESS OTHERWISE ARRANGED.
- 10.ALL COSTS ASSOCIATED WITH THE PREPARATION, SET UP, TEAR DOWN AND RESTORATION OF THE CONTRACTOR'S STAGING AREA, INCLUDING FENCE, SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MOBILIZATION, ITEM M-100-5.1.
- 11.THE CONTRACTOR SHALL STRIP AND STOCKPILE TOPSOIL AT THE STAGING AREA AND GA HANGAR BUILDING SITE, FOR USE IN SITE RESTORATION AT THE CONCLUSION OF CONSTRUCTION. TOPSOIL STOCKPILES SHALL BE TEMPORARILY SEEDED AND EROSION AND SEDIMENT CONTROL MEASURES PLACED AROUND THE TOPSOIL STOCKPILES.
- 12.THE CONTRACTOR'S ATTENTION IS DIRECTED TO, AND THE CONTRACTOR SHALL FULLY ADHERE TO, APPENDIX A OF THE CONTRACT DOCUMENTS, FEDERAL AVIATION ADVISORY CIRCULAR 150/5370-2G, OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.

#### PROJECT PHASING

- 1. THE CONTRACT TIME OF COMPLETION FOR ALL WORK SHALL BE:
  - CONTRACT 01 GENERAL CONSTRUCTION
  - 100 CALENDAR DAYS FROM THE DATE ON THE NOTICE TO PROCEED
  - CONTRACT 02 ELECTRICAL CONSTRUCTION
  - 50 CALENDAR DAYS FROM THE DATE ON THE NOTICE TO PROCEED
  - CONTRACT 03 PLUMBING CONSTRUCTION
  - 50 CALENDAR DAYS FROM THE DATE ON THE NOTICE TO PROCEED
  - CONTRACT 03 MECHANICAL (HVAC) CONSTRUCTION
  - 50 CALENDAR DAYS FROM THE DATE ON THE NOTICE TO PROCEED
- 2. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH 14 DAYS ADVANCE NOTICE IN WRITING PRIOR TO THE START OF CONSTRUCTION, TO ALLOW FOR THE APPROPRIATE COORDINATION WITH FAA AND NOTIFICATION OF AIRPORT BUSINESSES AND TENANTS.
- 3. A THREE (3)-DAY NOTICE IS REQUIRED FOR ISSUANCE OF NOTICES TO AIRMEN (NOTAMS) FOR EACH WORK AREA. NOTAMS WILL BE ISSUED BY THE AIRPORT OWNER AND MANAGEMENT.

#### WORK AREA I (SPRING 2021)

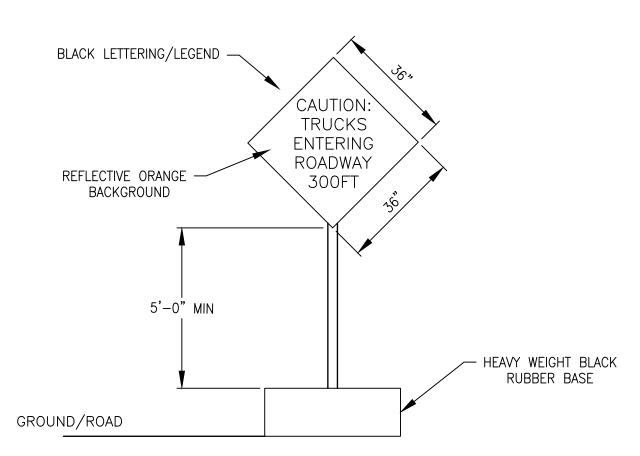
- 1. TIME OF COMPLETION: ALL WORK IN ALL CONTRACTS IN WORK AREA I SHALL BE COMPLETED WITHIN 100 CALENDAR DAYS FROM THE START OF CONSTRUCTION. WORK IS WITHIN A SINGLE CONSTRUCTION AREA AND IS ASSUMED TO BE COMPLETED IN A SINGLE PHASE
- 2. DAYTIME WORK RESTRICTIONS: 7:00 A.M. 5:00 P.M. MONDAY FRIDAY.
- 3. WORK IN WORK AREA 1 SHALL INCLUDE ALL CONSTRUCTION ACTIVITIES REQUIRED FOR CONSTRUCTION OF THE NEW GA HANGAR BUILDING, PARKING AREA, UTILITIES, STAGING
- 4. ALL MAINTENANCE AND PROTECTION OF TRAFFIC ITEMS SHALL BE PLACED PRIOR TO THE START OF CONSTRUCTION AND REVIEWED BY THE ENGINEER.
- 5. THE CONTRACTOR SHALL PROVIDE ADEQUATE EQUIPMENT ON SITE TO CONTINUOUSLY MAINTAIN THE CONSTRUCTION HAUL ROUTE. ALL PUBLIC ROADWAYS SHALL BE INSPECTED AND CLEANED PRIOR TO THE CONTRACTOR LEAVING THE SITE ON A DAILY BASIS, OR AS ORDERED BY THE ENGINEER.
- 6. THE CONTRACTOR SHALL MAINTAIN ACCESS ON ALL PUBLIC ROADS THROUGHOUT THE PROJECT. THIS SHALL INCLUDE ACCESS FOR AIRPORT EMPLOYEES, LAW ENFORCEMENT, EXISTING HANGAR TENANTS, AND AIRPORT MAINTENANCE ON THE SERVICE ROAD EXTENDING FROM BRICKYARD ROAD, THROUGH THE GATE AND ON THE SERVICE ROAD TO THE AIRFIELD.
- 7. LIQUIDATED DAMAGES: FAILURE TO COMPLETE ALL REQUIRED WORK IN WORK AREA I WITHIN THE CALENDAR DAYS SPECIFIED WILL RESULT IN THE ASSESSMENT OF LIQUIDATED DAMAGES IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY OR PORTION THEREOF IN WHICH WORK ITEMS REMAIN INCOMPLETE.



### LOW PROFILE CONSTRUCTION BARRICADE DETAIL NOT TO SCALE

(INCLUSIVE TO ITEM M-120-3.1) (CONTRACT 01)

- 1. BARRICADES SHALL BE OTW SAFETY AIRPORT BARRICADE (MODEL NO. AR10x96) OR APPROVED EQUAL. ALL BARRICADES SHALL BE NEW AT THE START OF CONSTRUCTION.
- 2. BARRICADES SHALL BE IN COMPLIANCE WITH AC 150/5370-2F.
- 3. OMNIDIRECTIONAL LIGHTS SHALL BE OTW SAFETY (MODEL NO. C01) FLASHING RED SOLAR LIGHT OR APPROVED EQUAL. LIGHTS SHALL SECURELY ATTACH TO THE BARRICADES. ALL LIGHTS SHALL BE NEW WHEN THE BARRICADES ARE INSTALLED. THE CONTRACTOR SHALL REPLACE ANY BROKEN OR FAILED LIGHTS IMMEDIATELY.
- 4. THE CONTRACTOR SHALL CLEAN AND MAINTAIN ALL BARRICADES, LIGHTS, AND FLAGS THROUGHOUT THE DURATION OF CONSTRUCTION, AND DURING PERIODS OF NON-WORK, INCLUDING ANY WINTER SHUTDOWN PERIOD.
- 5. FLAGS SHALL SECURELY ATTACH TO THE BARRICADE AND BE MAINTAINED IN GOOD CONDITION AT ALL TIMES, AS DETERMINED BY THE ENGINEER. WORN OR TATTERED FLAGS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 6. INSTALLED BARRICADES SHALL BE FILLED WITH WATER TO COUNTERACT WIND AND/OR JET BLAST. DURING SUB-FREEZING TEMPERATURES, FILL WITH POTASSIUM ACETATE OR CALCIUM CHLORIDE SOLUTION.



1. ROADWORK SIGN SHALL BE CONSTRUCTED AND PLACED PER NYSMUTCD, LATEST EDITION 2. SIGN SHALL BE BLACK LETTERING/LEGEND ON REFLECTIVE ORANGE BACKGROUND 3. SIGNS SHALL BE PLACED A MINIMUM OF 24 HOURS PRIOR TO WORK IN ROADWAY



ROADWORK SIGN DETAIL NOT TO SCALE (INCLUSIVE TO ITEM M-120-3.1) (CONTRACT 01)

# PLANNING BOARD CHAIRPERSON: **TOWN ENGINEER:** TOWN HIGHWAY AND WATER SUPERINTENDENT: CANANDAIGUA-FARMINGTON WATER AND SEWER DISTRICT:

### PRELIMINARY PLANS

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#### **CANANDAIGUA AIRPORT** TOWN OF CANANDAIGUA, STATE OF NEW YORK

**CONVENTIONAL HANGAR** 

### **CONSTRUCTION SAFETY & PHASING DETAILS**

SCALE:		DESIGN: AJF	
DRAWN:	JES	PROJECT:18194.12	<b>CS-02</b>
CHECKED:	AJF	DATE: 01-08-2021	5 OF 13

SCALE

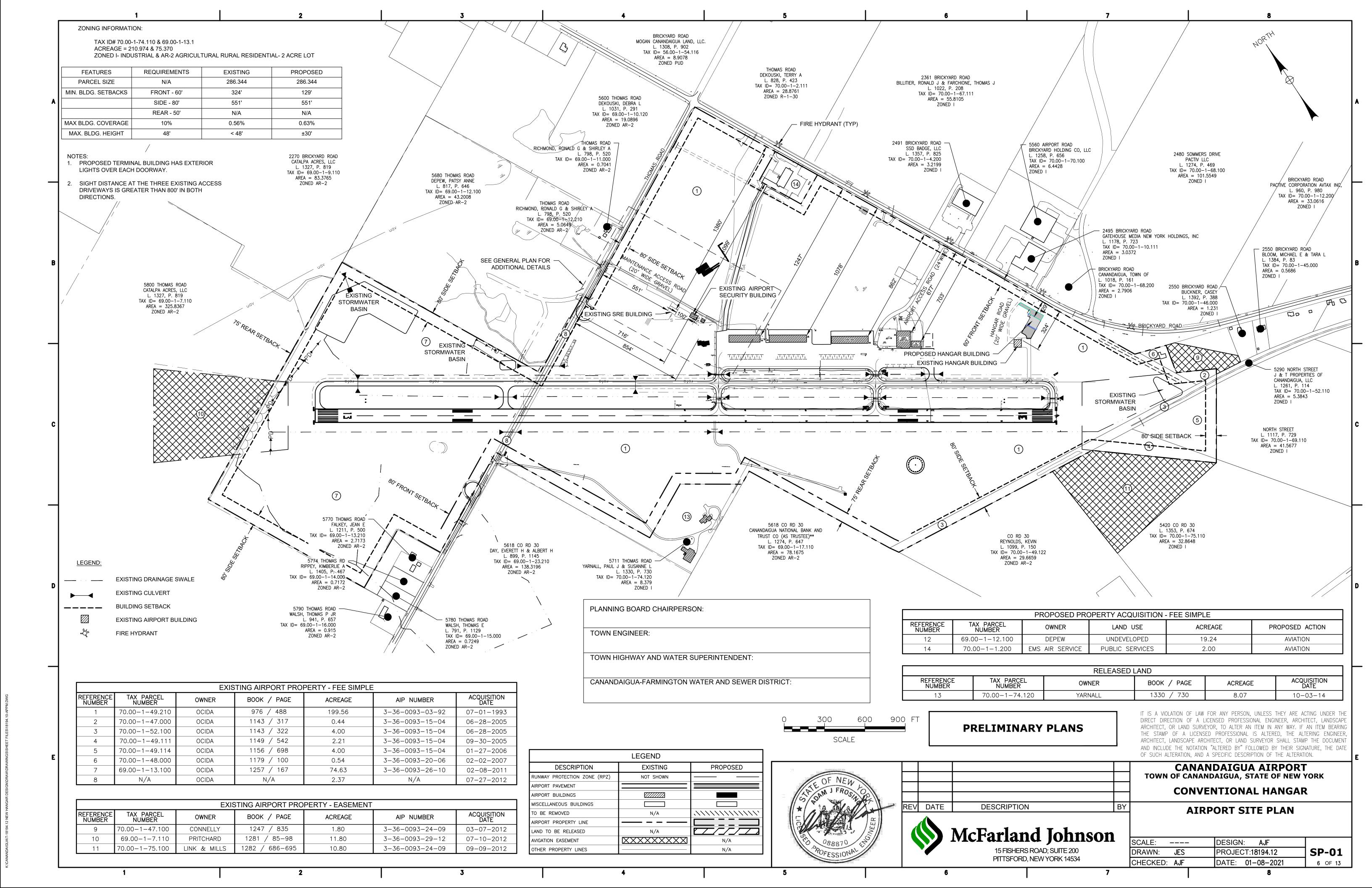
DESCRIPTION

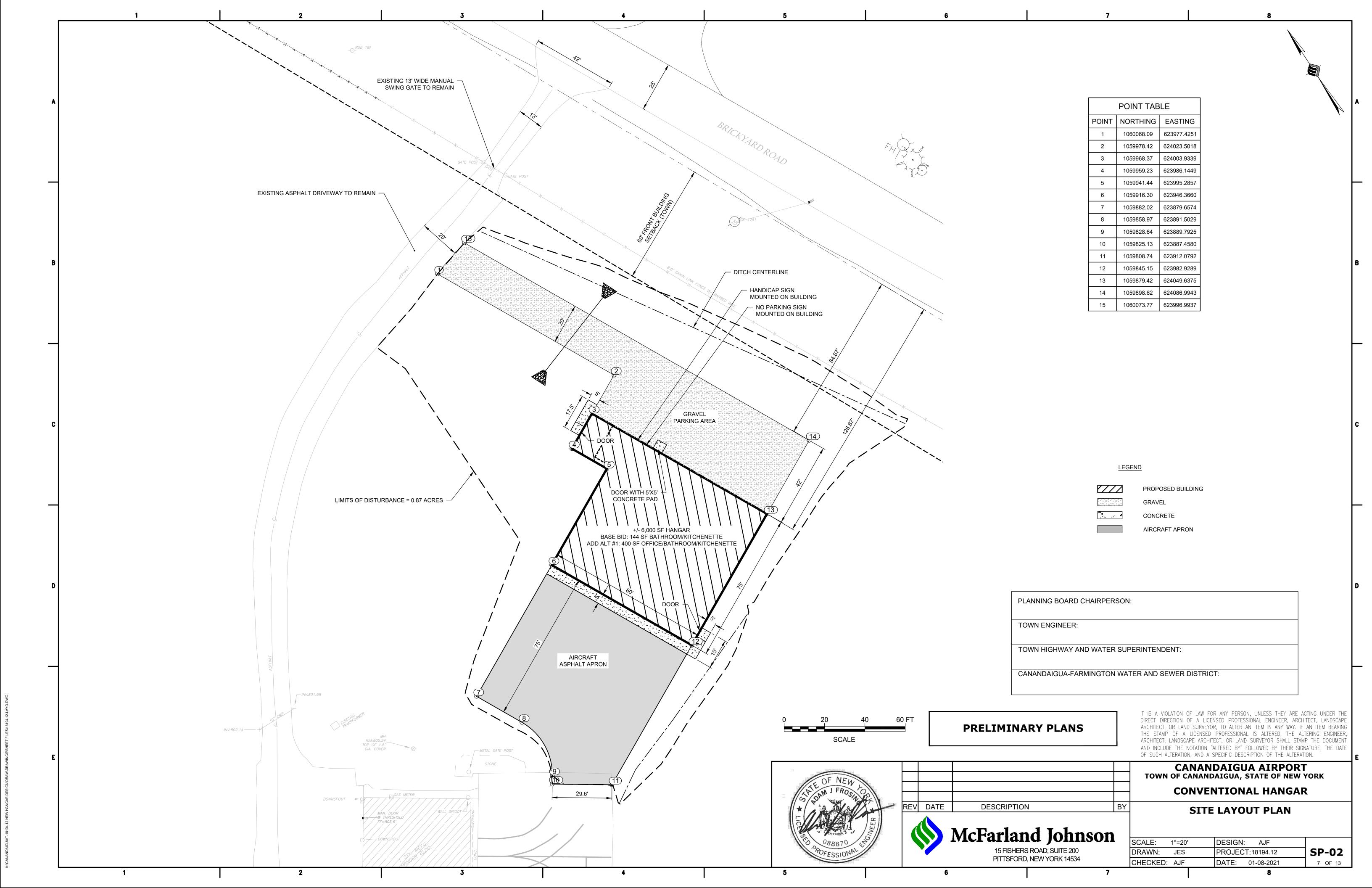
15 FISHERS ROAD; SUITE 200

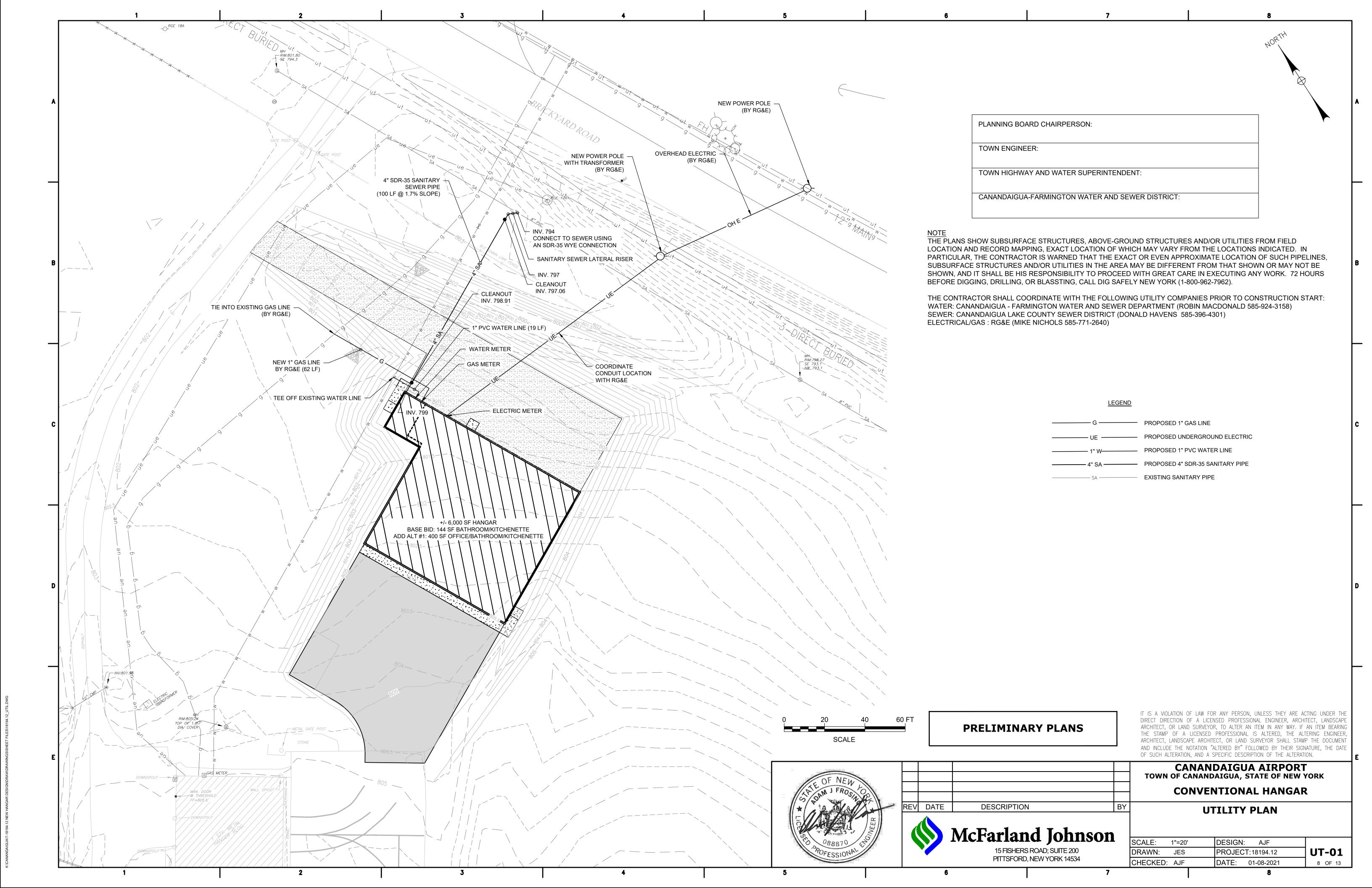
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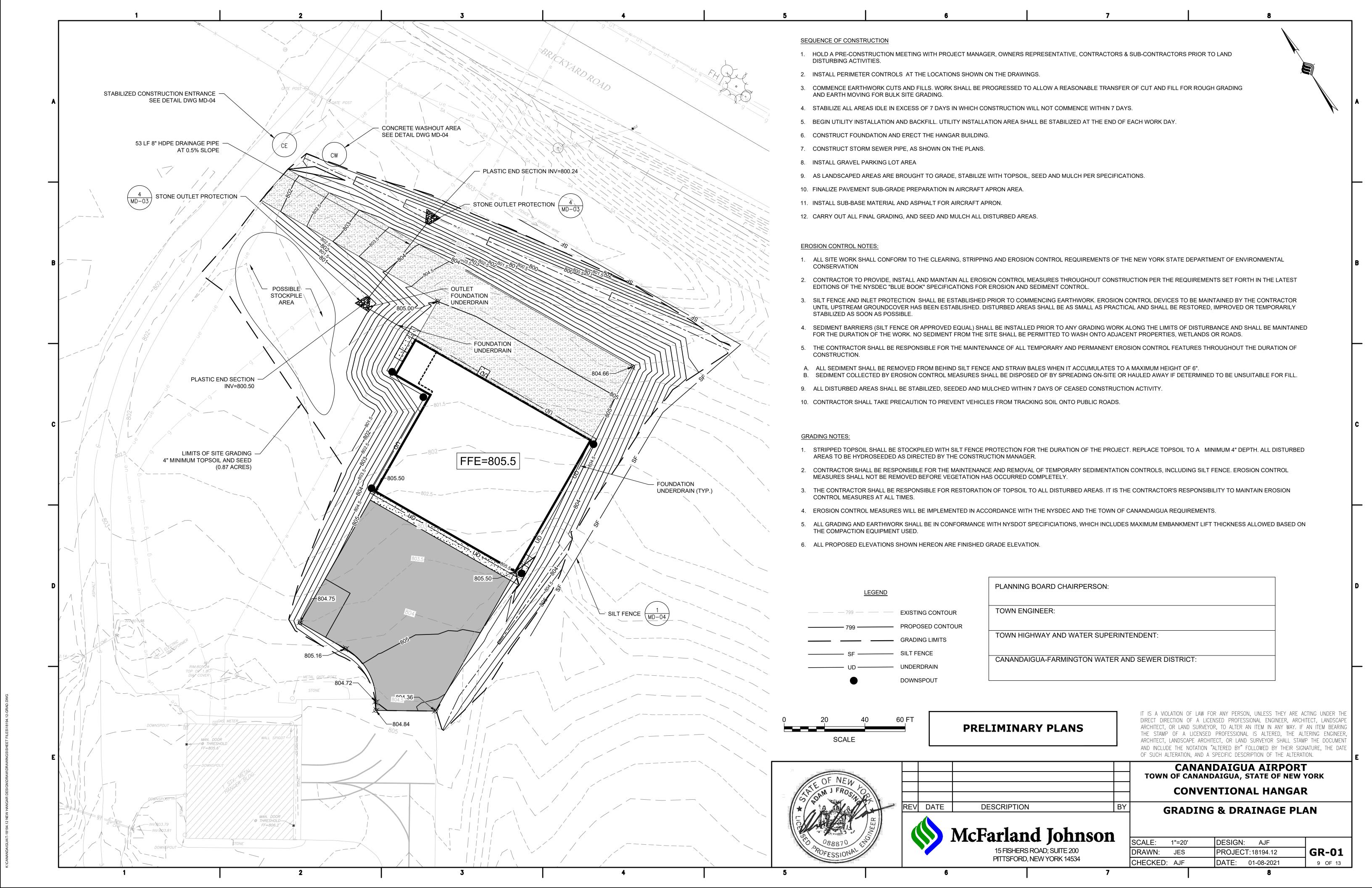
PITTSFORD, NEW YORK 14534

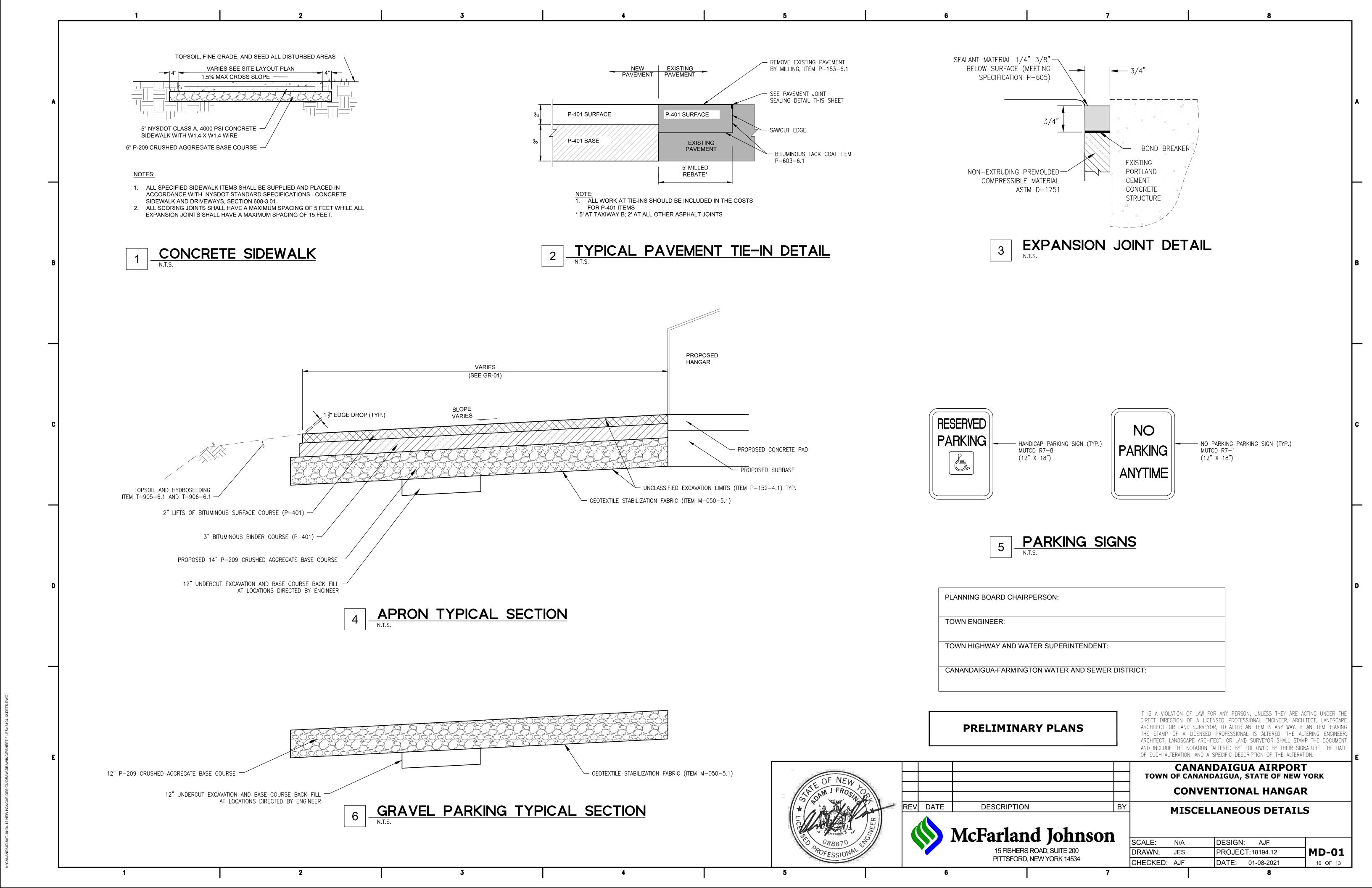
McFarland Johnson

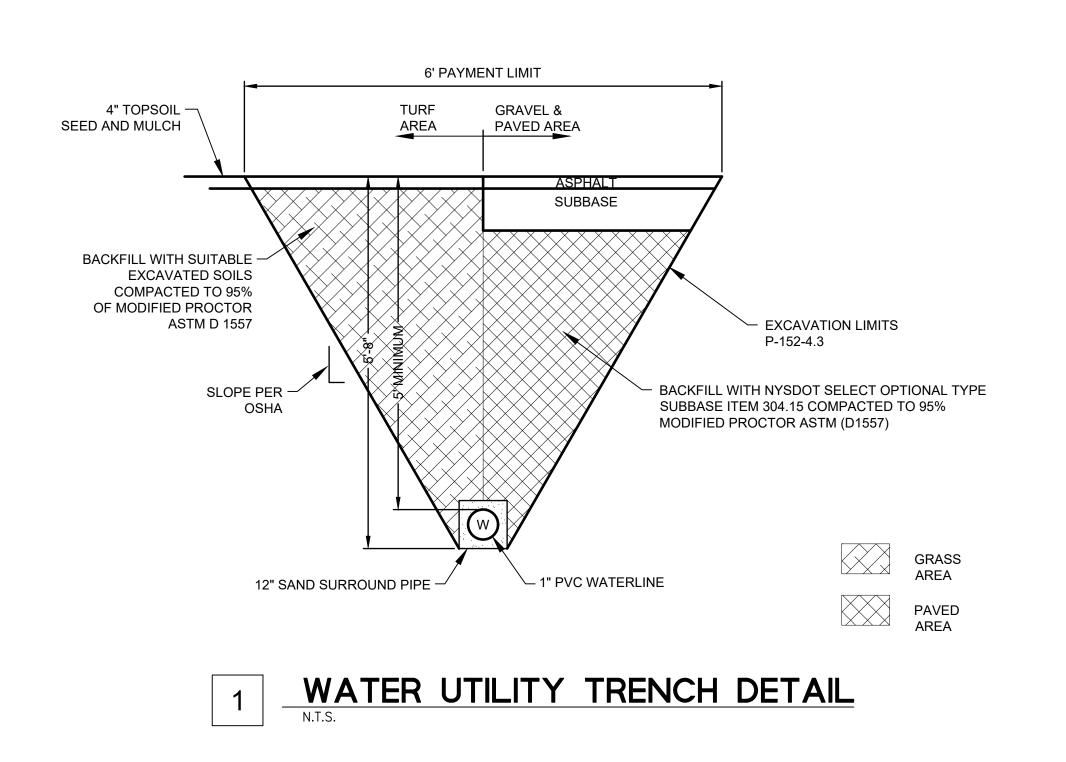


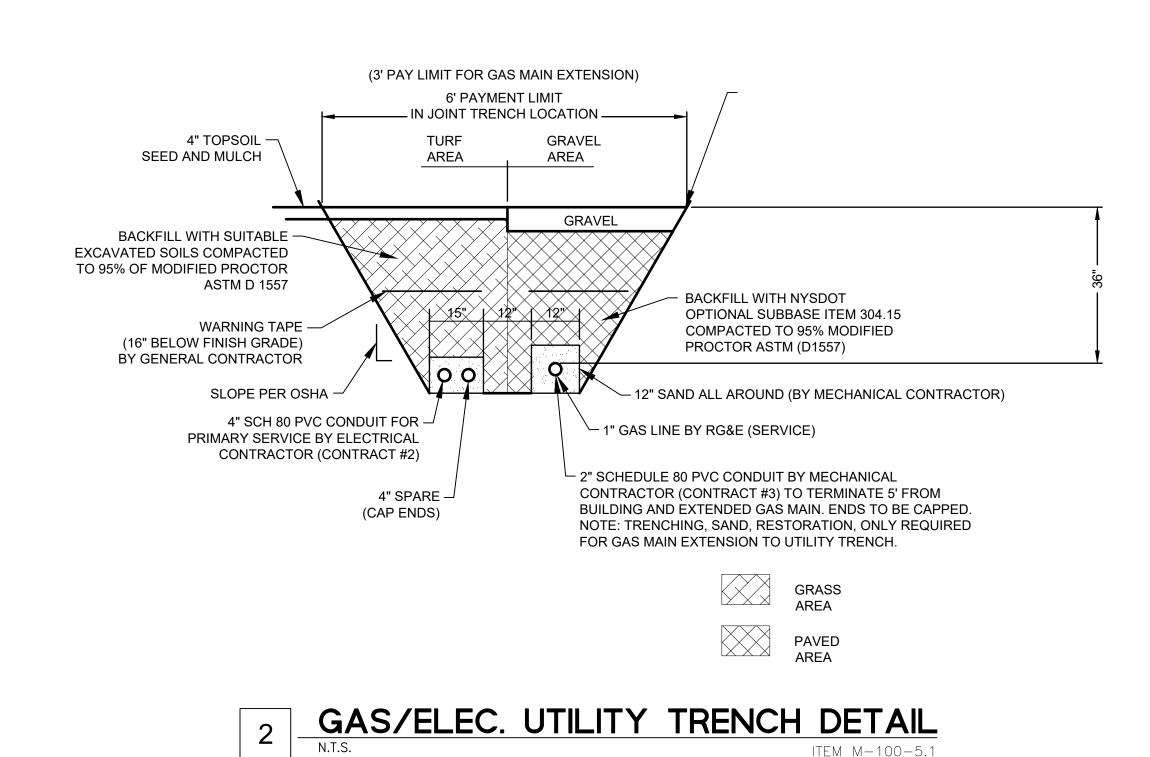


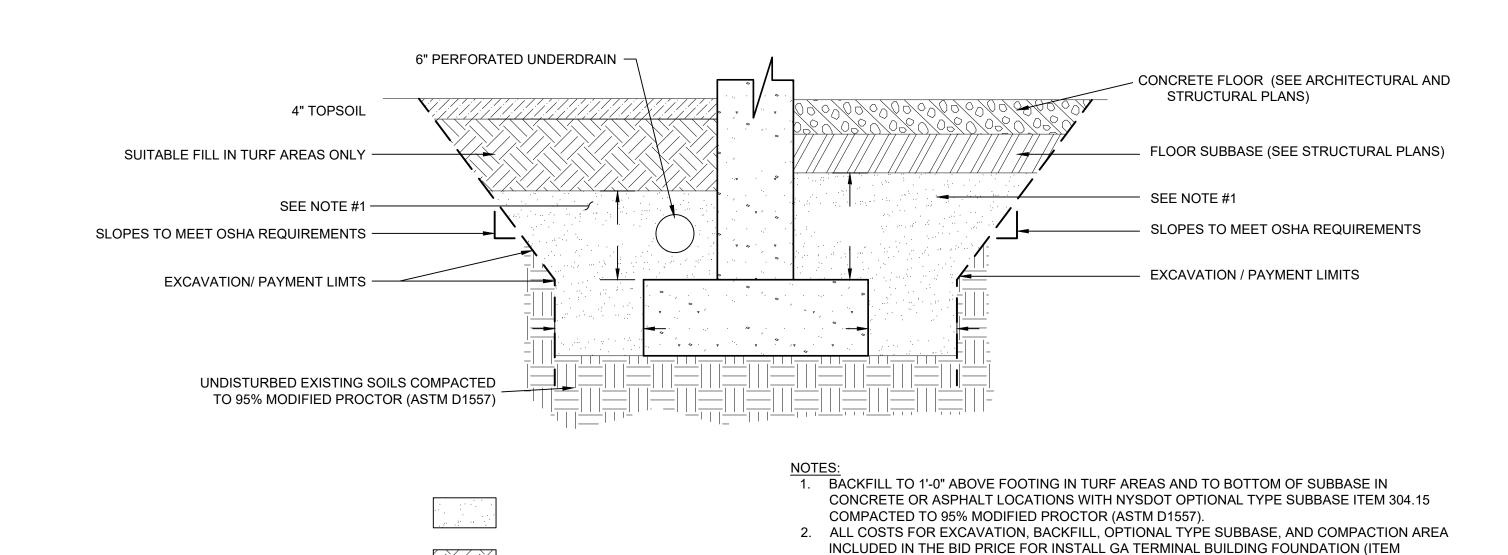




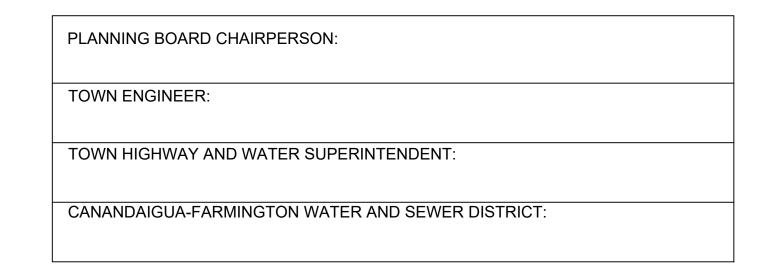








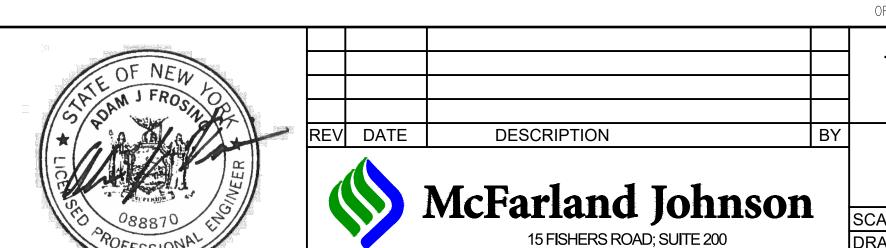
FOUNDATION EXCAVATION / BACKFILL DETAIL



3. SEE ARCHITECTURAL AND STRUCTURAL PLAN SHEETS FOR FOUNDATION FLOOR DETAIL.

### PRELIMINARY PLANS

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



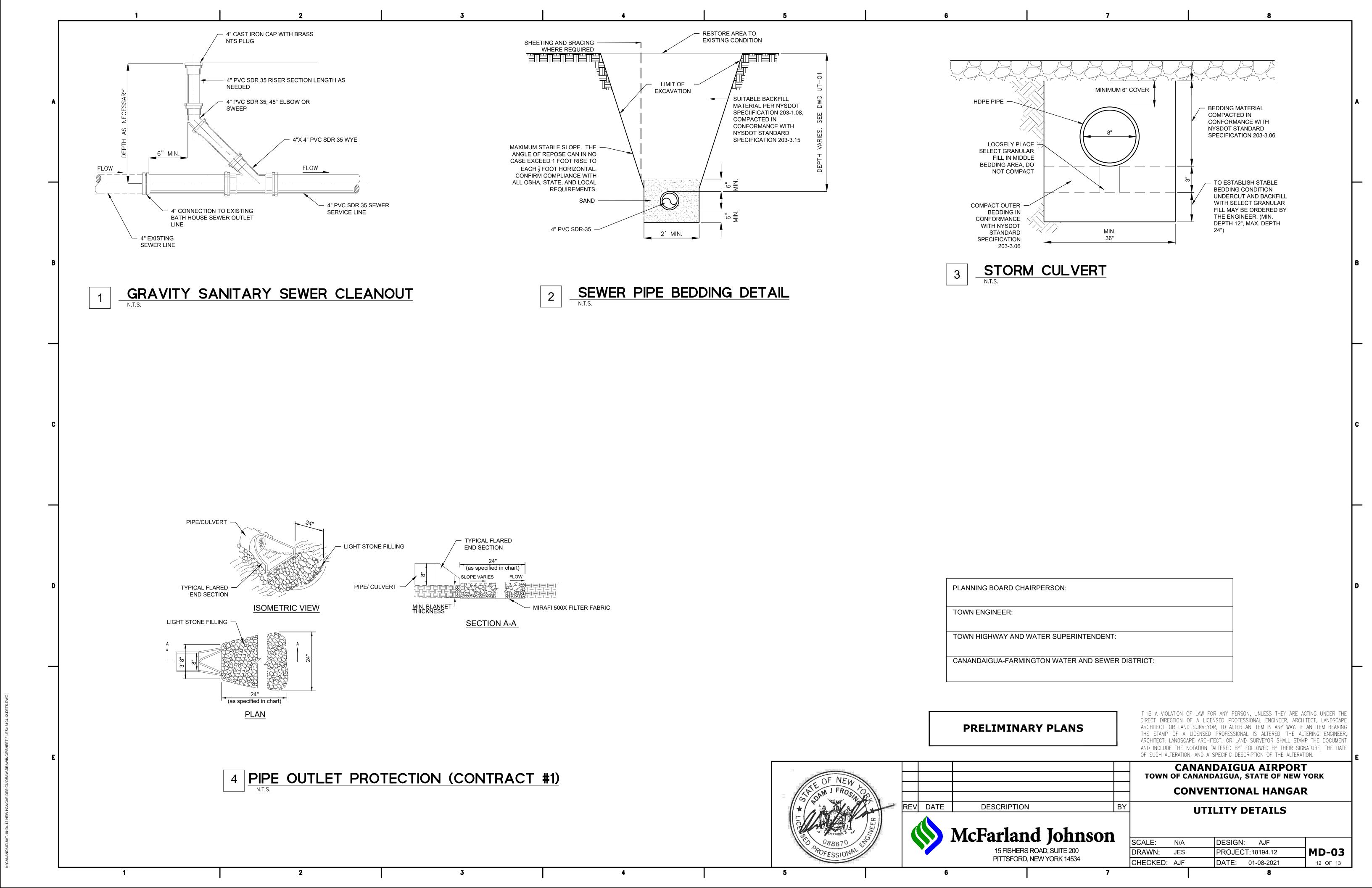
TOWN OF CANANDAIGUA, STATE OF NEW YORK **CONVENTIONAL HANGAR** 

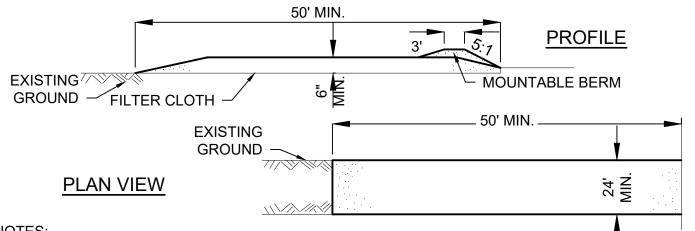
**CANANDAIGUA AIRPORT** 

**UTILITY DETAILS** 

SCALE:	N/A	DESIGN: AJF	
DRAWN:	JES	PROJECT:18194.12	MD-02
CHECKED:	AJF	DATE: 01-08-2021	11 OF 13

PITTSFORD, NEW YORK 14534

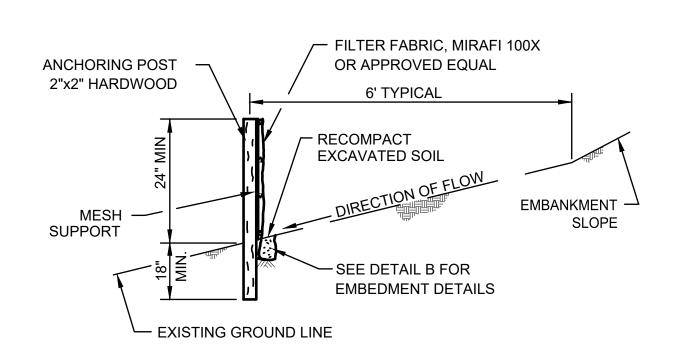




- STONE SIZE USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- 2. LENGTH NOT LESS THAN 50 FEET.
- THICKNESS NOT LESS THAN SIX (6) INCHES.
- 4. WIDTH TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. 6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION
- ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED
- 8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
- 10. CONSTRUCTION ENTRANCE SHALL BE PLACED WHERE SHOWN IN THE CONTRACT PLANS OR AS DIRECTED BY THE ENGINEER

#### STABILIZED CONSTRUCTION ENTRANCE DETAIL

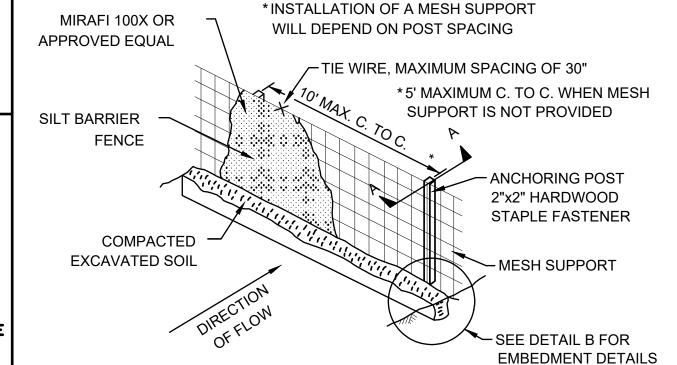
NOT TO SCALE (ITEM P-156-6)



**SECTION A-A** 

#### NOTES:

- 1. FILTER FABRIC FENCE MUST BE INSTALLED AT LEVEL GRADE. BOTH ENDS OF EACH FENCE SECTION MUST BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT.
- 2, SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH ONE-HALF(1/2) THE ABOVE GROUND HEIGHT OF THE
- 3. ANY FENCE SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET.

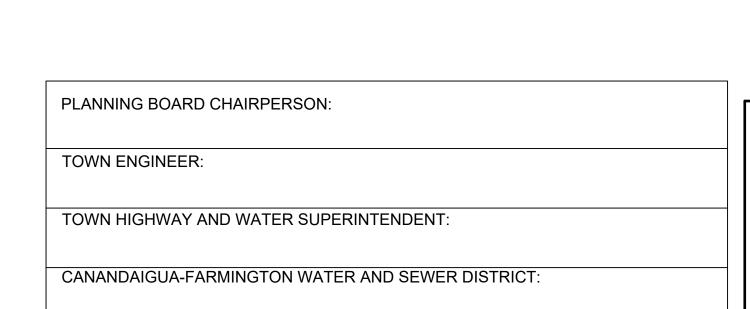


DETAIL B

NOTES: 1. EXTEND FABRIC 8" TO 12" INTO EXCAVATED TRENCH

FILTER FABRIC FENCE DETAILS

(ITEM P-156-1) NOT TO SCALE

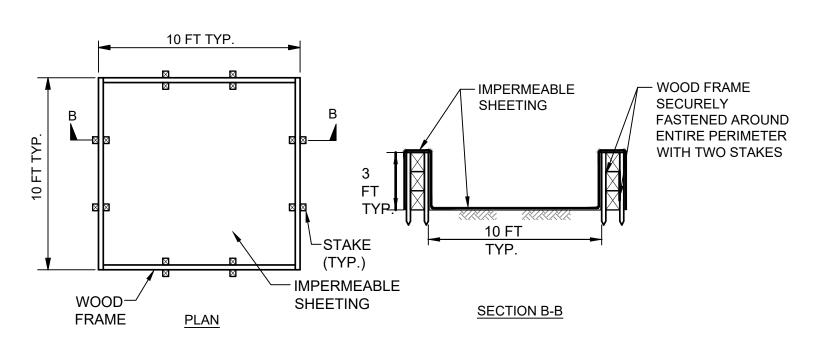


SEASON	VARIETY	RATE (LBS/ACRE)	MULCH TYPE	MULCH RATE (TONS/ACRE)
SPRING, SUMMER EARLY FALL	RYEGRASS (ANNUAL OR PERENNIAL)	30	FIBER	2
LATE FALL EARLY WINTER	CERTIFIED "AROOSTOCK" WINTER RYE (CEREAL RYE)	100	FIBER	2

### TEMPORARY SEEDING TABLE (ITEM P-156-4)

VARIETY	RATE (LBS/ACRE)	MULCH TYPE	MULCH RATE (TONS/ACRE)
RED FESCUE	130	FIBER	2-3
PERENNIAL RYEGRASS	130	FIBER	2-3
KENTUCKY BLUEGRASS	50	FIBER	2-3

#### PERMANENT SEEDING TABLE (ITEM T-901-1)



#### WASHOUT STRUCTURE WITH WOOD PLANKS

#### **CONSTRUCTION SPECIFICATIONS:**

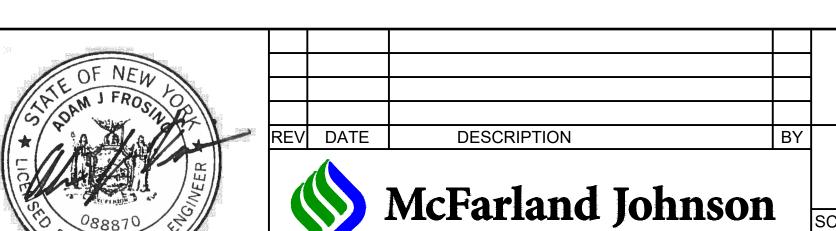
- 1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
- 2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
- 3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
- 4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
- 5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.
- 6. CONCRETE WASHOUT STRUCTURES SHALL BE LOCATED ADJACENT TO ALL CONTRACTOR ACCESS GATES, AS DIRECTED BY ENGINEER.

### CONCRETE WASHOUT STRUCTURE

(ITEM P-156-5) NOT TO SCALE

### PRELIMINARY PLANS

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**CANANDAIGUA AIRPORT** TOWN OF CANANDAIGUA, STATE OF NEW YORK

**CONVENTIONAL HANGAR** 

**EROSIONS CONTROL DETAILS** 

SCALE: N/A DESIGN: AJF |MD-04 DRAWN: JES PROJECT:18194.12 CHECKED: AJF DATE: 01-08-2021 13 OF 13

PITTSFORD, NEW YORK 14534

15 FISHERS ROAD; SUITE 200