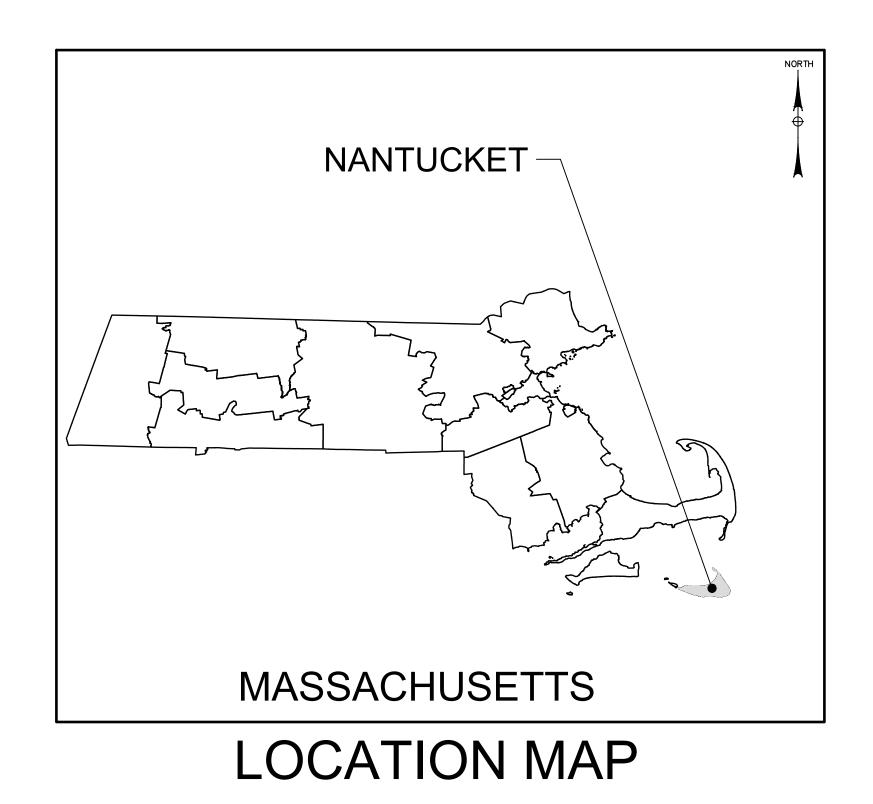
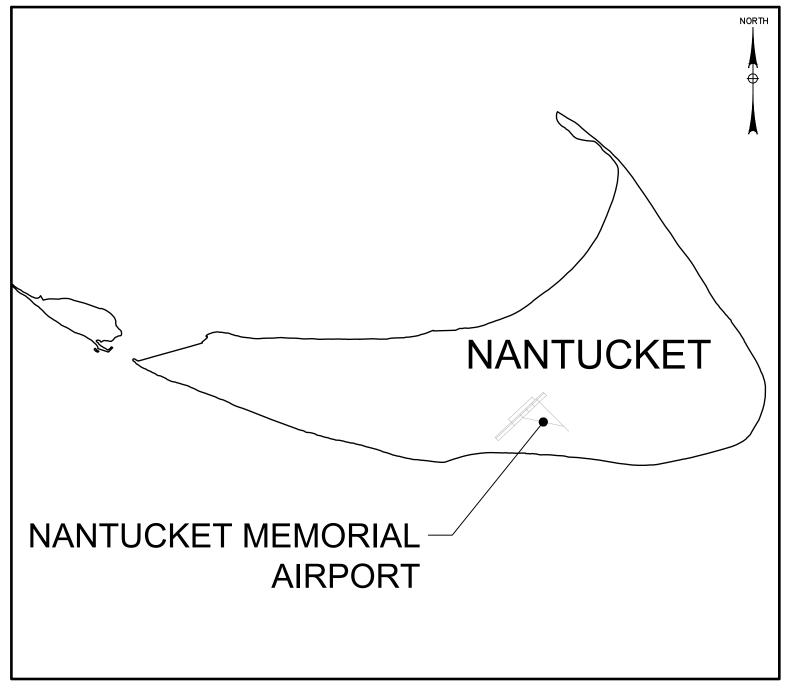
# NANTUCKET MEMORIAL AIRPORT MADEQUECHAM VALLEY ROAD WATERLINE



CONSTRUCTION SET 11/29/21

NANTUCKET
NANTUCKET COUNTY
MASSACHUSETTS



VICINITY MAP

PREPARED FOR:



NANTUCKET MEMORIAL AIRPORT 14 AIRPORT ROAD NANTUCKET, MASSACHUSETTS (508) 325-5300 WWW.NANTUCKET-MA.GOV NOTE: CONSTRUCTION PLANS
ARE SUBJECT TO CHANGE DUE
TO CONDITIONS AND
MODIFICATIONS MADE IN THE
FIELD.

PREPARED BY:



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, 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.

#### EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE.

THE BIDDER IS EXPECTED TO CAREFULLY EXAMINE THE SITE OF THE PROPOSED WORK, THE PROPOSAL, PLANS, SPECIFICATIONS, AND CONTRACT FORMS. THE BIDDER SHALL SATISFY THEMSELVES AS TO THE CHARACTER, QUALITY, AND QUANTITIES OF WORK TO BE PERFORMED, MATERIALS TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE PROPOSED CONTRACT. THE SUBMISSION OF A PROPOSAL SHALL BE PRIMA FACIE EVIDENCE THAT THE BIDDER HAS MADE SUCH EXAMINATION AND IS SATISFIED AS TO THE CONDITIONS TO BE ENCOUNTERED IN PERFORMING THE WORK AND AS TO THE REQUIREMENTS OF THE PROPOSED CONTRACT, PLANS, AND SPECIFICATIONS.

#### WORK BY OTHERS.

THE AIRPORT RESERVES THE RIGHTS TO HAVE OTHER WORK PERFORMED WITHIN THE SPECIFIED PROJECT WORK AREAS SIMULTANEOUSLY WITH WORK PERFORMED UNDER THIS CONTRACT. THE CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS AND VENDORS, AND MAKE REASONABLE ADJUSTMENTS IN HIS/HER WORK SCHEDULE AS REQUESTED BY THE AIRPORT.

#### TEMPORARY POWER AND WATER

TEMPORARY POWER, WATER AND OTHER UTILITIES REQUIRED FOR CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

### COMPLIANCE WITH PERMITS, LAWS, RULES AND REGULATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH ALL, PERMITS, LAWS, RULES, ORDERS AND REGULATIONS HAVING JURISDICTION OVER THE PROPOSED WORK, INCLUDING BUT NOT LIMITED TO:

- A. THE UNITED STATES, COMMONWEALTH OF MASSACHUSETTS, NANTUCKET COUNTY, TOWN OF NANTUCKET AND NANTUCKET MEMORIAL AIRPORT.
- B. THE FEDERAL AVIATION ADMINISTRATION (FAA), INCLUDING BUT LIMITED TO, FAR PART 77, ADVISORY CIRCULAR (AC) 150/5370-2 OPERATION SAFETY ON AIRPORTS DURING CONSTRUCTION (LATEST EDITION), AND OTHER REQUIREMENTS AS SPECIFIED WITHIN THE CONTRACT DOCUMENTS.
- C. COMMONWEALTH OF MASSACHUSETTS, NATURAL HERITAGE ENDANGERED SPECIES
- D. MASSACHUSETTS STORMWATER HANDBOOK AND STORMWATER BEST MANAGEMENT PRACTICES (BMPS).
- E. THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AND TO PAY ALL PERMIT FEES INCLUDING BUT NOT LIMITED TO A TOWN OF NANTUCKET BUILDING PERMIT AND A TOWN OF NANTUCKET ELECTRICAL PERMIT.
- 4A. ALIGNMENT OUTSIDE PLANT SURVEY LIMITS CANNOT BE CONSTRUCTED UNTIL ENGINEER HAS SURVEYED IT FOR RARE PLANTS AND DETERMINED IT TO BE FREE OF RARE PLANTS. THE ENGINEER WILL BE RESPONSIBLE FOR ARRANGING FOR THE PLANT SURVEY IN A TIMELY MANNER, AFFORDING AMPLE TIME TO REVISE THE ALIGNMENT OR CONDUCT ADDITIONAL SURVEY IF NEEDED TO AVOID PLANTS. IF RARE PLANTS CANNOT BE AVOIDED OR THE PROJECT MUST PROCEED WITHOUT THIS CLEARANCE, THE SEGMENT WILL BE INSTALLED WITH DIRECTIONAL DRILLING AS DIRECTED BY THE ENGINEER.
- 4B. IF THE WATERLINE INSTALLATION PROCEEDS WITHIN 20 FEET OF RARE PLANTS, TREE AND PLANT PROTECTION FENCE WILL BE INSTALLED TO PROTECT THE PLANTS AS DIRECTED BY THE ENGINEER.
- 4C. IN AREAS TO BE TRENCHED AS SHOWN ON THE PLANS, EXISTING SOD AND TOPSOIL SHALL BE PRESERVED TO THE EXTENT FEASIBLE SO THAT IT CAN BE REPLACED FOLLOWING PIPE INSTALLATION AND BACKFILLING. SUBSOIL REMOVED FROM THE TRENCH SHALL BE PLACED ADJACENT TO THE TRENCH AND BACKFILLED IN THE TRENCH TO THE EXTENT FEASIBLE, PRIOR TO THE END OF THE WORKDAY. SOIL FROM JACKING PIT EXCAVATIONS ON AIRFIELD SHALL BE TEMPORARILY STOCKPILED AS SHOWN ON THE PLANS. JACKING PITS ON MADEQUECHAM VALLEY ROAD SHALL BE PLATED OVER AT THE END OF EACH WORK DAY TO ALLOW TRAFFIC TO PASS.
- 4D. TRACKED CONSTRUCTION EQUIPMENT SHALL NOT BE USED IN AREAS OF GRASSED AIRFIELD. ONLY RUBBER-TIRED EQUIPMENT SHALL BE USED IN THESE AREAS.

# UNDERGROUND UTILITIES AND CABLES.

THE APPROXIMATE LOCATIONS OF KNOWN ABOVE GROUND AND UNDERGROUND UTILITIES AND CABLES ARE SHOWN ON THE PLANS. PRIOR TO COMMENCEMENT OF ANY EXCAVATION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF UNDERGROUND UTILITIES AND CABLES.

THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE FOLLOWING AGENCIES AS APPROPRIATE:

- A. DIG SAFE AND INDICATED UTILITIES
- B. THE FAA TECH OPS
- C. NANTUCKET MEMORIAL AIRPORT
- D. NATIONAL GRID
- E. LOCAL TELEPHONE PROVIDER
- F. LOCAL CATV PROVIDER

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS NECESSARY TO PROTECT EXISTING UNDERGROUND UTILITIES AND CABLES THAT ARE TO REMAIN. THE CONTRACTOR SHALL COMPLY WITH THE CURRENT VERSION OF THE DIG SAFE LAW, EFFECTIVE DEC 17, 1998 OR AS REVISED. THE CONTRACTOR IS REQUIRED TO PRE-MARK THE CONSTRUCTION-SITE AND GIVE NOTICE OF PLANNED DIGGING NEAR UTILITY, CABLE, AND FUEL LINES.

THE CONTRACTOR SHALL LOCATE AND VERIFY ALL UNDERGROUND UTILITIES AND CABLES AT NO ADDITIONAL COST TO THE OWNER INCLUDING BUT NOT LIMITED TO PAYING FOR A PRIVATE UTILITY LOCATING SERVICE.

THE CONTRACTOR SHALL REPAIR, AT THEIR OWN EXPENSE, UTILITIES DAMAGED BY THEIR OPERATIONS, INCLUDING ANY DAMAGE DONE BY DRIVING THEIR EQUIPMENT OVER EXISTING UNDERGROUND CABLES. THE REPAIR OF UTILITIES SHALL BE INSPECTED AND APPROVED BY THE APPROPRIATE UTILITY AND WITNESSED BY THE ENGINEER.

## CONSTRUCTION LAYOUT.

THE OWNER WILL PROVIDE BOTH HORIZONTAL AND VERTICAL CONTROL POINTS FOR USE BY THE CONTRACTOR. PRIOR TO LAYOUT, THE CONTRACTOR SHALL TRAVERSE BETWEEN THESE POINTS AND SATISFY TO THEMSELVES AS TO THE ACCURACY OF THE CONTROL POINTS PROVIDED. THE LAYOUT FOR CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

THE CONTRACTOR SHALL FURNISH ASSISTANCE TO THE ENGINEER; AS REQUESTED, TO CHECK THE LAYOUT OF THE WORK. SUCH ASSISTANCE SHALL BE UNDERSTOOD TO INCLUDE THE PROVISION OF SUITABLE MANPOWER TO ASSIST THE ENGINEER IN TAPING MEASUREMENTS, HOLDING A SURVEY ROD FOR CHECKING GRADES AND THE LIKE. THE CONTRACTOR'S OBLIGATIONS FOR LAYOUT, FINAL SURVEY AND FURNISHING ASSISTANCE TO THE ENGINEER SHALL BE DEEMED INCIDENTAL TO THE COMPLETION OF THE VARIOUS WORK ITEMS AND NO SEPARATE PAYMENT WILL BE MADE FOR SUCH LAYOUT, FINAL SURVEY AND ASSISTANCE.

#### CONTRACTOR QUALITY CONTROL PROGRAM

THE CONTRACTOR SHALL ESTABLISH A QUALITY CONTROL PROGRAM TO PERFORM INSPECTION AND TESTING OF ALL ITEMS OF WORK REQUIRED BY THE TECHNICAL SPECIFICATIONS, INCLUDING THOSE PERFORMED BY SUBCONTRACTORS. THIS QUALITY CONTROL PROGRAM SHALL ENSURE CONFORMANCE TO APPLICABLE SPECIFICATIONS AND PLANS WITH RESPECT TO MATERIALS, WORKMANSHIP, CONSTRUCTION, FINISH, AND FUNCTIONAL PERFORMANCE. THE QUALITY CONTROL PROGRAM SHALL BE EFFECTIVE FOR CONTROL OF ALL CONSTRUCTION WORK PERFORMED UNDER THIS CONTRACT AND SHALL SPECIFICALLY INCLUDE SURVEILLANCE AND TESTS REQUIRED BY THE TECHNICAL SPECIFICATIONS, IN ADDITION TO OTHER REQUIREMENTS OF THIS SECTION AND ANY OTHER ACTIVITIES DEEMED NECESSARY BY THE CONTRACTOR TO ESTABLISH AN EFFECTIVE LEVEL OF QUALITY CONTROL. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

#### QUALITY CONTROL PLAN.

PRIOR TO THE ISSUANCE OF THE NTP, THE CONTRACTOR SHALL PREPARE A WRITTEN QUALITY CONTROL PLAN. WHICH WILL OUTLINE THE QUALITY CONTROL PROGRAM. INCLUDING TESTING TO BE PREFORMED, FREQUENCY OF TESTING AND SPECIFICATION REQUIREMENTS. REFERENCES TO THE APPROPRIATE TECHNICAL SPECIFICATION SECTION AND TESTING STANDARD SHALL BE INCLUDED. QUALIFICATIONS OF THE QUALITY CONTROL PROGRAM ADMINISTRATOR SHALL BE INCLUDED. NO SEPARATE MEASUREMENT FOR PAYMENT WILL BE MADE FOR THE CONTRACTOR QUALITY CONTROL PROGRAM OR THE PREPARATION OF A QUALITY CONTROL PLAN, RATHER THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

#### AIRFIELD SECURITY.

THE AIRFIELD PERIMETER SECURITY FENCING SHALL BE MAINTAINED AT ALL TIMES. UNDER NO CIRCUMSTANCES WILL HOLES, GAPS, BREACHES, MISSING FENCE SECTION AND MISSING OR REMOVED GATES BE PERMITTED AT ANY TIME DURING CONSTRUCTION. IF REQUIRED TEMPORARY FENCING/GATES SHALL BE INSTALLED TO MAINTAIN AIRFIELD SECURITY. TEMPORARY AIRFIELD FENCING AND GATES SHALL MEET THE REQUIREMENTS OF THE FAA, MASSDOT-AERONAUTICS DIVISION AND THE AIRPORT. NO AIRFIELD GATE SHALL REMAIN UNLOCKED WHEN NOT IN IMMEDIATE USE, UNLESS A GATE GUARD IS POSTED TO RESTRICT ACCESS TO AUTHORIZED PERSONNEL AND VEHICLES ONLY. SECURITY FENCING SHALL BE SECURED AT THE END OF EACH WORK DAY. NO SEPARATE MEASUREMENT FOR PAYMENT WILL BE MADE, UNLESS OTHERWISE INDICATED FOR TEMPORARY FENCING/GATES AND GATE GUARDS.

# 10. DAILY TAILGATE.

ALL THE CONTRACTOR AND SUBCONTRACTOR EMPLOYEES SHALL HAVE A "TAIL GATE" SAFETY MEETING EVERY SHIFT CHANGE OR START OF EACH DAY, PRIOR TO WORKING WITH THE ENGINEER AND OPERATIONS, TO REVIEW THE DAYS WORK AND SAFETY PROCEDURES. THIS DAILY COORDINATION OF CONSTRUCTION ACTIVITIES SHALL BE HELD TO CLEARLY IDENTIFY THE LIMITS OF WORK FOR THE DAY. THE CONTRACTOR SHALL NOT EXCEED THE LIMITS OF WORK WITHOUT PRIOR APPROVAL FROM THE ENGINEER. IN ADDITION. A SIGN-IN SHEET SHALL BE KEPT FOR ATTENDANCE AT THIS MEETING.

# 11. CHAIN OF COMMAND.

THE CONTRACTOR SHALL DIRECT ALL QUESTIONS FOR THE AIRPORT THROUGH THE ENGINEER, AND THE AIRPORT WILL DIRECT THE CONTRACTOR THROUGH THE ENGINEER.

# 12. PERSONNEL SECURITY BADGING

KEY CONTRACTOR PERSONNEL SHALL OBTAIN AN AIRPORT ISSUED SECURITY BADGE. THAT IS TO BE WORN AND REMAIN VISIBLE WHILE WORKING WITHIN THE AIRPORT SECURITY FENCE. EACH BADGED CONTRACTOR PERSONNEL MAY ESCORT UP TO SIX (6) NON-BADGE PERSONNEL AS LONG AS THE UNBADGED PERSONNEL IS WITHIN SIGHT AND IS UNDER THE DIRECT SUPERVISION OF THE BADGED PERSONNEL. SECURITY BADGING SHALL MEET THE REQUIREMENTS OF NANTUCKET MEMORIAL AIRPORT.

# 13. DISPOSAL OF SURPLUS AND UNSUITABLE MATERIALS.

ALL SURPLUS AND UNSUITABLE MATERIALS WHICH IS NOT INCORPORATED INTO THE NEW WORK OR IS BEING RETAINED BY THE OWNER SHALL BE REMOVED BY THE CONTRACTOR AND LEGALLY DISPOSED OF OFF AIRPORT PROPERTY. NO SEPARATE MEASUREMENT FOR PAYMENT WILL BE MADE FOR THE DISPOSAL OF SURPLUS AND UNSUITABLE MATERIALS. RATHER THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND THE VARIOUS LINE ITEMS

# 14. DISTURBED AREAS.

ALL DISTURBED AREAS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO THEIR PRECONSTRUCTION CONDITION OR BETTER, UNLESS OTHERWISE INDICATED ON THE PLANS; AT NO ADDITIONAL COST TO THE OWNER. THIS RESTORATION WORK SHALL INCLUDE AREAS SHOWN FOR CONSTRUCTION ACCESS, HAUL ROUTES, STAGING, MATERIAL STORAGE AND STOCKPILE AREAS.

**CONSTRUCTION SET 11/29/21** 

15. TERMINAL SECURITY: NANTUCKET MEMORIAL AIRPORT IS A CERTIFICATED AIRPORT MEETING CFR PART 139 REGULATIONS INCLUDING THE REQUIREMENTS OF CFR 1542 REGARDING AIRPORT SECURITY. THE CONTRACTOR SHALL FAMILIARIZE HIM/HER SELF WITH THESE REQUIREMENTS. VIOLATIONS ARE SUBJECT TO PENALTIES BY THE TSA.

	Sheet List Table				
SHEET NUMBER	SHEET TITLE				
CV-00	COVER				
GN-01	GENERAL NOTES				
CS-01	CONSTRUCTION SAFETY AND PHASING PLAN				
CP-01	CONSTRUCTION PLAN (SHEET 1 OF 9) MONOHANSETT ROAD				
CP-02	CONSTRUCTION PLAN (SHEET 2 OF 9) NANTUCKET AIRPORT				
CP-03	CONSTRUCTION PLAN (SHEET 3 OF 9) NANTUCKET AIRPORT				
CP-04	CONSTRUCTION PLAN (SHEET 4 OF 9) NANTUCKET AIRPORT AND MADEQUECHAM VALLEY ROAD				
CP-05	CONSTRUCTION PLAN (SHEET 5 OF 9) MADEQUECHAM VALLEY ROAD				
CP-06	CONSTRUCTION PLAN (SHEET 6 OF 9) MADEQUECHAM VALLEY ROAD				
CP-07	CONSTRUCTION PLAN (SHEET 7 OF 9) MADEQUECHAM VALLEY ROAD				
CP-08	CONSTRUCTION PLAN (SHEET 8 OF 9) SKYLINE DRIVE				
CP-09	CONSTRUCTION PLAN (SHEET 9 OF 9) SKYLINE DRIVE				
DT-01	DETAILS (SHEET 1 OF 2)				
DT-02	DETAILS (SHEET 2 OF 2)				

# LEGEND:

COMMUNICATION MANHOLE	
ELECTRIC MANHOLE	E
PROPOSED UNDERGROUND CONCRETE ENCASED DUCT	DUCT
INLET PROTECTION	0 <u>0 0 0</u> 0 <u> </u>
EXISTING ABANDONED FENCE POST FOUNDATION	ÎP
EXISTING CATCH BASIN	
EXISTING DRAIN MANHOLE	(1)
EXISTING APRON LIGHT POLE	×
EXISTING DRAIN PIPE	D D
EXISTING DRAIN FLOW ARROW	
EXISTING UNDERGROUND ELECTRIC DUCT	DUCT
EXISTING UNDERGROUND ELECTRIC	———— UE ————
EXISTING UNDERGROUND COMMUNICATION	UC
EXISTING UNDERGROUND WATER	———— W ————
EXISTING PERIMETER FENCE	o
EXISTING TREE LINE	

CSPP LEGEND:				
	BARRICADE			
$\longleftrightarrow$	HAUL ROUTE			
	PHASE LIMITS			
RPZ	RUNWAY SAFETY AREA RUNWAY PROTECTION ZONE RUNWAY OBJECT FREE AREA GATE GUARD			
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN			

NANTUCKET MEMORIAL AIRPO NANTUCKET, MASSACHUSETTS MADEQUECHAM VALLEY ROAI				
WATERLINE PROJECT	BEP	ADDENDUM #2	6-30-21	1
GENERAL NOTES	BY	DESCRIPTION	DATE	REV
GENERAL NOTES				

SCALE: AS SHOWN DESIGN: MKM DRAWN: MKM PROJECT:18706.01

McFarland Johnson 239 LITTLETON ROAD, SUITE 1A WESTFORD, MASSACHUSETTS 01886

**GN-01** CHECKED: RAL DATE: NOVEMBER, 2021 2 OF 14

