# CONSTRUCTION NOTES

### **GENERAL NOTES**

- 1. ALL ITEMS SHALL BE CONSTRUCTED TO THE DIMENSIONS AND ELEVATIONS SHOWN ON THE DRAWINGS. ANY CHANGES SHALL BE APPROVED BY THE NRCS REPRESENTATIVE ON SITE.
- 2. ALL PERMITS, EASEMENTS, AND RIGHTS OF WAY ARE THE RESPONSIBILITY OF THE LANDOWNER.
- 3. IT IS THE EXCAVATION CONTRACTORS RESPONSIBILITY TO CALL "DIG SAFE" AND TO COMPLY WITH ALL VERMONT LAWS AND REGULATIONS REGARDING THE LOCATION AND WORK AROUND UNDERGROUND UTILITIES. DIG SAFE (888) 344-7233.
- 4. ALL CONSTRUCTION ACTIVITIES SHALL BE DONE IN A MANNER THAT MINIMIZES SEDIMENT FROM ENTERING ANY WATER BODIES, INCLUDING DRAINAGE WAYS, SEE VT D.E.C. SEDIMENT AND EROSION CONTROL HANDBOOKS.
- 5. CONSTRUCTION MAY NOT BEGIN UNTIL THE CONTRACTOR, LANDOWNER, AND NRCS HAVE A PRE-CONSTRUCTION MEETING IN ORDER TO DISCUSS THE DETAILS OF THE PROJECT.
- 6. IT SHALL BE THE CONTRACTOR'S AND LANDOWNER'S RESPONSIBILITY TO NOTIFY NRCS AT LEAST TWO DAYS IN ADVANCE OF:
  - A. START OF CONSTRUCTION.

#### MICRO-IRRIGATION NOTES:

- 7. DOUBLE CHECK VALVE ASSEMBLIES (DCVs) ARE NOT SUFFICIENT FOR BACKFLOW PREVENTION ON DOMESTIC SYSTEMS ACCORDING TO NRCS STANDARDS. PRESSURE VACUUM BREAKERS (PVBs) OR REDUCED PRESSURE ZONE ASSEMBLIES (RPZs) ARE REQUIRED. CONSULT LOCAL CITY CODE FOR ACCEPTABLE BACKFLOW PREVENTION MEASURES IF TYING INTO MUNICIPAL SYSTEMS.
- 8. PLACE THE VALVE STATION WITHIN THE HIGH TUNNEL OR OTHER ENCLOSURE TO PROTECT FROM FREEZING DURING EARLY/LATE SEASON USE OR DAMAGE FROM ADVERSE WEATHER CONDITIONS.
- 9. AFTER THE GROWING SEASON, DISASSEMBLE THE PVB ASSEMBLY AT THE UNIONS SHOWN AND DRAIN THE ENTIRE SYSTEM TO PREVENT FREEZING.
- 10. ABOVE GROUND PVC PIPE MUST BE PAINTED WITH 2 COATS OF LATEX PAINT TO PROTECT PIPE MATERIALS FROM UV DEGRADATION.
- 11. CONTINUED WATER LEAKAGE FROM THE AIR VENT INDICATES THE NEED FOR REPAIR. SOME MINOR LEAKAGE MAY OCCUR ON START UP AND IS NORMAL.
- 12. IT IS RECOMMENDED TO PLACE DRIP LINE VENTS ON THE HIGH POINTS OF THE DRIP LINE TO PREVENT DEBRIS FROM BEING PULLED INTO THE EMITTERS VIA VACUUM PRESSURE WHEN THE LINE IS DRAINED.
- 13. CHEMIGATION / FERTIGATION PORTS AND BACKFLOW PREVENTION REQUIREMENTS:
  - A. WHERE PRESSURE <u>WILL NOT BE</u> ADDED AT THE PORT (VENTURI INJECTOR OR OTHER), PVBs ARE ACCEPTABLE FOR BACKFLOW PREVENTION.
  - B. WHERE PRESSURE **<u>MIL BE</u>** ADDED AT THE PORT (INJECTOR PUMP OR POSITIVE DISPLACEMENT), RPZs are the <u>**ONLY**</u> ACCEPTABLE BACKFLOW PREVENTION METHOD AND ARE REQUIRED.

## 14. SYSTEM REQUIREMENTS:

WATER SOURCE INFORMATION: \_\_\_\_\_

PRESSURE SOURCE INFORMATION: \_\_\_\_ PSI MINIMUM PRESSURE REQUIRED FOR SYSTEM OPERATION

PRESSURE TANK

\_\_\_\_ PSI KICK ON PRESSURE

\_\_\_\_ PSI KICK OFF PRESSURE

\_\_\_\_ GAL TANK VOLUME

NEW I	PUMP
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EXISTING PUMP \_\_\_\_ HORSEPOWER

MODEL: \_\_\_\_\_

MAKE: \_\_\_\_\_

\_\_\_\_ GPM PUMP FLOW RATE

\_\_\_\_ FT TOTAL DYNAMIC HEAD

FINISH WORK NOTES:

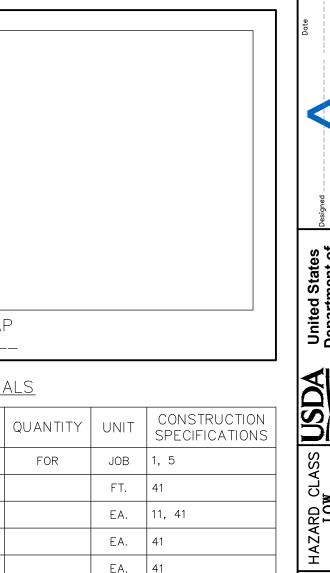
15. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE SEEDED AND MULCHED ACCORDING TO CONSTRUCTION SPECIFICATION #52.

		LOCATION SCALE:	ΜA
		JUALE:	

## BILL OF MATERIALS

ITEM #	ITEM
1.	SITE PREPARATION
2.	" DIA RATED MAINLINE PIPE
3.	FROST FREE HYDRANT (LEAD FREE)
4.	FILTER, 140 MESH MINIMUM
5.	BACKFLOW PREVENTION VALVE RPZ PVB
6.	PRESSURE GAUGE
7.	PRESSURE REGULATOR
8.	MISCELLANEOUS PIPE, FITTINGS, & APPURTENANCES
9.	MANIFOLD HOSE
10.	STARTER VALVE
11.	DRIP TAPE
12.	STAPLES
	#   1.   2.   3.   4.   5.   6.   7.   8.   9.   10.   11.





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AS REQUIRED

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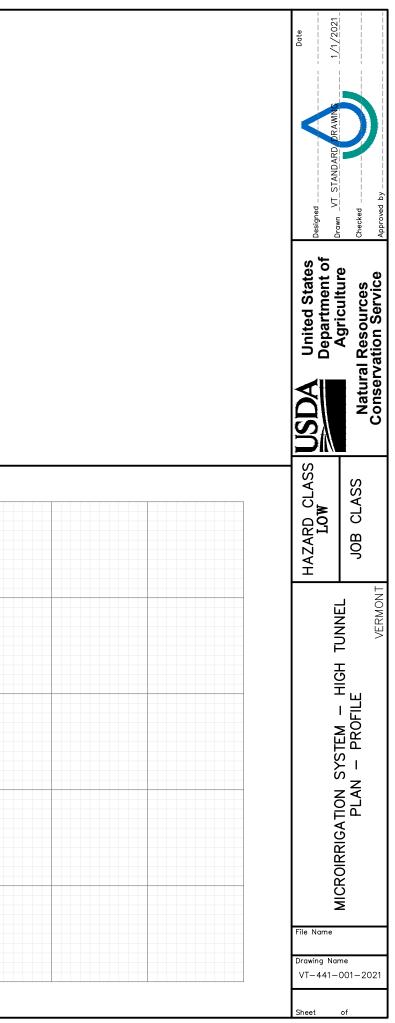
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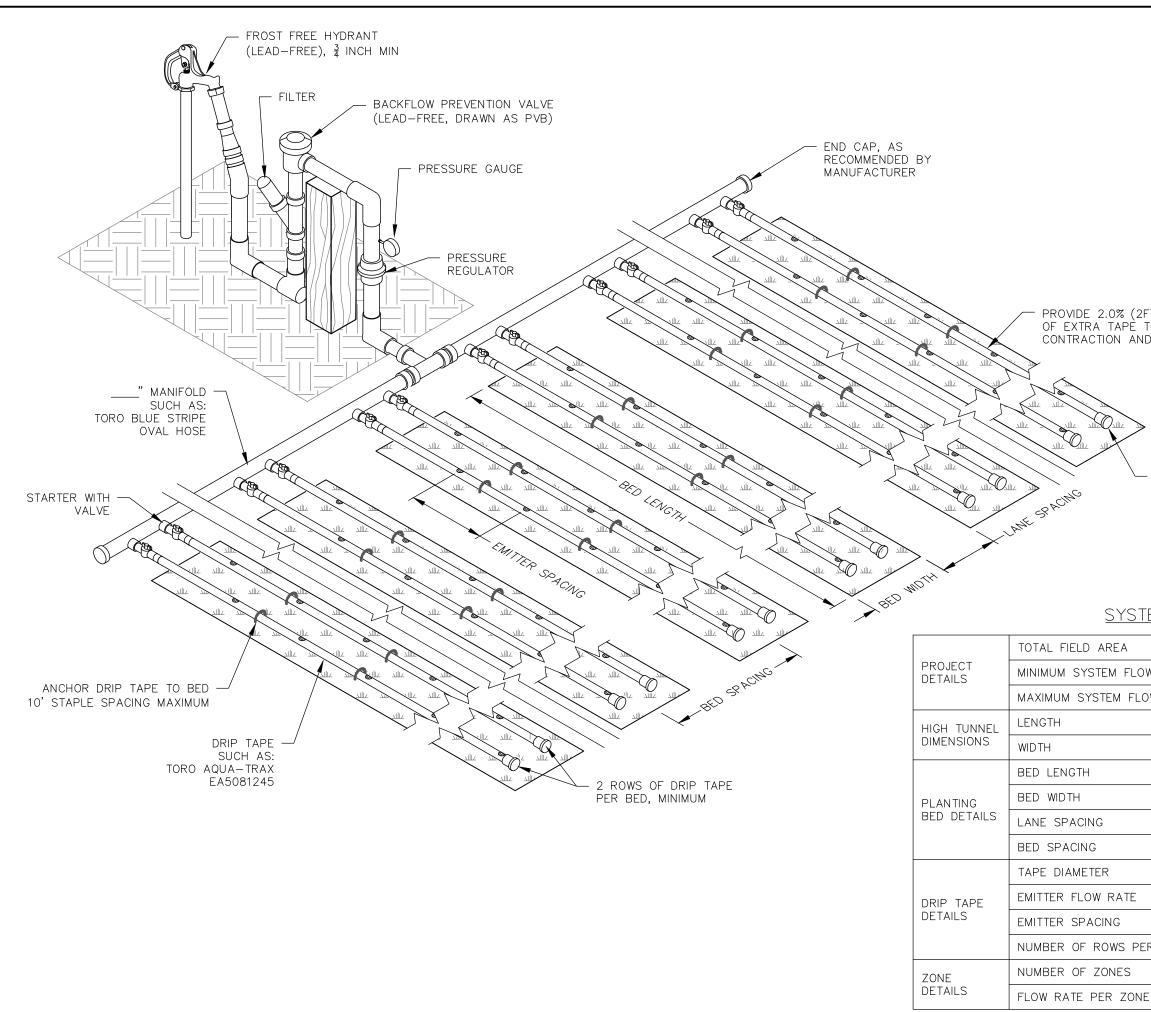
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	PLAN VIEW
PROFILE:	





		Date 		
		Designed Designed	CheckedChecked	
2FT / 100 FT) TO ALLOW FOR ND EXPANSION		DA United States Department of Agriculture Natural Resources Approvice		
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