Item	Description	Unit	Quantity
201.10	Clearing and Grubbing	Lump Sum	1
201.10	Clearing and Grubbing (Mod.)	Lump Sum	1
203.15	Common Excavation	Cu Yd	18
203.16	Solid Rock Excavation	Cu Yd	5
203.17	Unclassified Excavation	Cu Yd	5
203.32	Granular Borrow	Cu Yd	15
204.30	Granular Backfill for Structures	Cu Yd	5
301.35	SUBBASE OF DENSE GRADED STONE	Cu Yd	5
501.30	Concrete, Class C	Cu Yd	10
507.15	Reinforcing Steel	LB	350
609.10	Dust Control with Water	Cu Yd	20
616.35	Treated Timber Curb	Lin Ft	24
620.11	Chain Link Fence 4 feet high	Lin Ft	29
620.12	Chain Link Fence 6 feet high	Lin Ft	72
620.15	Gate for Chain Link Fence 4 feet high	Lin Ft	3
620.16	Gate for Chain Link Fence 6 feet high	Lin Ft	8
620.20	Bracing Assembly for Chain Link Fence	Ea	6
620.21	Bracing Assembly for Chain Link Fence	Ea	6
631.16	Testing Equipment - Concrete	Lump Sum	1
635.10	Mobilization	Lump Sum	1
636.15	Utility System (Mod.)	Lump Sum	1
649.31	Geotextile under Stone Fill	Sq Yd	45
651.15	Seed	LB	25
651.18	Fertilizer	LB	250
651.20	Agricultural Limestone	Ton	0.5
651.25	Mulch	Ton	0.5
651.26	Hay Bales for Erosion Control	Ea	15
651.35	Topsoil	Cu Yd	5
654.10	Erosion Matting	Sq Yd	50

QUANTITIES

EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AND CONSTRUCTION SEQUENCE; AND SHALL HAVE THEM INSPECTED BY THE ENGINEER PRIOR TO BEGINNING ANY OTHER LAND DISTURBANCES. MINOR SEDIMENT CONTROL DEVICE LOCATION ADJUSTMENTS MAY BE MADE IN THE FIELD WITH THE APPROVAL OF THE ENGINEER. THE CONTRACTOR MUST OBTAIN PRIOR APPROVAL FOR CHANGES TO THE SEDIMENT CONTROL PLAN AND/OR SEQUENCE OF CONSTRUCTION.

2. THE CONTRACTOR SHALL MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL SUCH TIMES AS THEY ARE REMOVED.

3. THE CONTRACTOR SHALL APPLY SEED AND MULCH, OR OTHER APPROVED STABILIZATION MEASURES TO ALL DISTURBED AREAS AND STOCKPILES WITHIN FORTY EIGHT (48) HOURS OF FINAL DISTURBANCE.

4. THIS EROSION CONTROL PLAN SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN THE CONSTRUCTION SITE. ALL MEASURES INVOLVING EROSION CONTROL PRACTICES SHALL BE INSTALLED IN CONFORMANCE WITH "THE VERMONT HANDBOOK FOR SOIL EROSION AND SEDIMENT CONTROL ON CONSTRUCTION SITES" AS PUBLISHED BY THE VERMONT GEOLOGICAL SURVEY.

5. DURING THE PERIOD OF CONSTRUCTION ACTIVITY, ALL EROSION MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR. AT THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE TRANSFER OF MAINTENANCE RESPONSIBILITIES, IF REQUIRED, TO THE VERMONT AGENCY OF TRANSPORTATION (VAOT).

6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE REMOVED AND DISPOSED OF WITHIN THIRTY (30) CALENDAR DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE STABILIZED OR REMOVED TO PREVENT FURTHER EROSION.

7. EROSION CONTROL DEVICES REMOVED DURING GRADING OPERATIONS SHALL BE PUT BACK IN PLACE AT THE END OF THE DAY OR DURING INCLEMENT WEATHER AS DIRECTED BY THE ENGINEER.

8. IF APPLICABLE, STREAMS INCLUDING BED AND BANKS SHALL BE STABILIZED IMMEDIATELY AFTER CHANNEL WORK IS COMPLETED, INTERRUPTED, OR STOPPED.

9. NO SOIL, ROCK DEBRIS, OR ANY OTHER MATERIAL SHALL BE DUMPED OR PLACED INTO A WATER RESOURCE OR INTO SUCH PROXIMITY THAT IT MAY READILY SLOUGH, SLIP, OR ERODE INTO A WATER RESOURCE UNLESS SUCH DUMPING OR PLACING IS AUTHORIZED BY THE ENGINEER AND, WHEN APPLICABLE, BY THE U.S. ARMY CORPS OF ENGINEERS, FOR SUCH PURPOSES AS, BUT NOT LIMITED TO, CONSTRUCTION OF BRIDGES, CULVERTS, AND EROSION CONTROL STRUCTURES.

10. PERMANENT SEEDING SHALL BE DONE BETWEEN APRIL 30 AND SEPTEMBER 15. IF SEEDING IS DONE AT OTHER TIMES, IT SHALL BE CLASSIFIED AS "TEMPORARY SEEDING". PERMANENT SEED SHALL CONFORM TO THE SEEDING MIXTURE STATED IN THE SPECIFICATIONS. TEMPORARY AND PERMANENT SEEDING SHALL CONSIST OF FERTILIZING, WATERING AND SEEDING PLACED AT RATES IN ACCORDANCE WITH THE SPECIFICATIONS. PERMANENT SEEDING AND MULCHING SHALL BE PAID FOR UNDER 651.15 AND 651.25 RESPECTIVELY. TEMPORARY SEED, MULCH, AND FERTILIZER FOR EROSION AND SEDIMENT CONTROL SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS. NO PAYMENT WILL BE MADE FOR TEMPORARY SEEDING OR MULCHING.

11 SURFACE DRAINAGE FLOWS OVER UNSTABILIZED CUT AND FILL SLOPES SHALL BE CONTROLLED BY EITHER PREVENTING DRAINAGE FLOWS TRAVERSING THE SLOPES OR BY INSTALLING PROTECTIVE DEVICES TO LOWER THE WATER DOWN THE SLOPE WITHOUT CAUSING EROSION. DIKES SHALL BE INSTALLED AND MAINTAINED AT THE TOP OF CUT OR FILL SLOPES UNTIL THE SLOPE AND DRAINAGE AREA TO IT ARE FULLY STABILIZED, AT WHICH TIME THEY MUST BE REMOVED AND FINAL GRADING DONE TO PROMOTE SHEET FLOW DRAINAGE. PROTECTIVE METHODS MUST BE PROVIDED AT POINTS OF CONCENTRATED FLOW WHERE EROSION IS LIKELY TO OCCUR.

12. ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS IN UNPAVED AREAS SHALL BE STABILIZED AND PROTECTED TO PREVENT TRACKING OF MUD ONTO PUBLIC OR PRIVATE ROADWAYS.

13. IF PUBLIC OR PRIVATE ROADWAYS DO ACCUMULATE DEBRIS, THE CONTRACTOR SHALL USE A POWER BROOM TO REMOVE THE SEDIMENT TO THE SATISFACTION OF THE ENGINEER.

14. SALVAGED TOPSOIL WILL BE PLACED ON WELL DRAINED LAND AWAY FROM STREAMS IN ACCORDANCE WITH APPROVED EROSION AND SEDIMENT CONTROL MEASURES. IT SHALL BE PLACED IN NEAT PILES. THE CONTRACTOR WILL PROVIDE AN ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE. THE CONTRACTOR, WITH THE APPROVAL OF THE ENGINEER, MAY CONSTRUCT AN EARTH DIKE IN LIEU OF SILT FENCE.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST RISING FROM CONSTRUCTION OPERATIONS. DUST CONTROL, USING WATER, 609.10 WILL BE APPLIED WHENEVER DUST IS A PROBLEM OR WHEN ORDERED BY THE ENGINEER.

PHASING NOTES:

GENERAL

All work to be completed within Phase I, and II.

All work must comply with the requirements of FAA AC 150/5370-2C, Operational Safety During Construction. See General Construction and Safety Notes for additional information.

The contractor must submit a schedule to the Engineer prior to commencing work on the airport. This schedule is to be upgraded weekly. No work will be allowed outside the areas included in the approved schedule.

PHASE I

All work on Phase I to be completed with 45 calendar days of notice to proceed.

Runway 1-19 is to be opened at all times during the project except as required to install underground utilities. No work shall be allowed within the Runway 1-19 primary surface without authorization from the Engineer. Work within the Runway 1-19 primary surface will require that the runway be closed. At least 48 hours notice is required prior to closing the runway.

CONSTRUCTION INCLUDES:

Installation of underground utilities to provide 30A 120V/240V power for the AWOS, improve and expand existing farm road to the AWOS, clear and grub in areas shown and clear only in areas shown, construct concrete structures to support 30' AWOS wind sensor tower and AWOS components, install AWOS system and appurtenances, install AWOS data link from sensor site to terminal/hangar building using UHF radio link. Install central data platform and VHF antenna at terminal/hangar building.

PHASE II

All work on Phase II to be completed with 30 calendar days of notice to proceed.

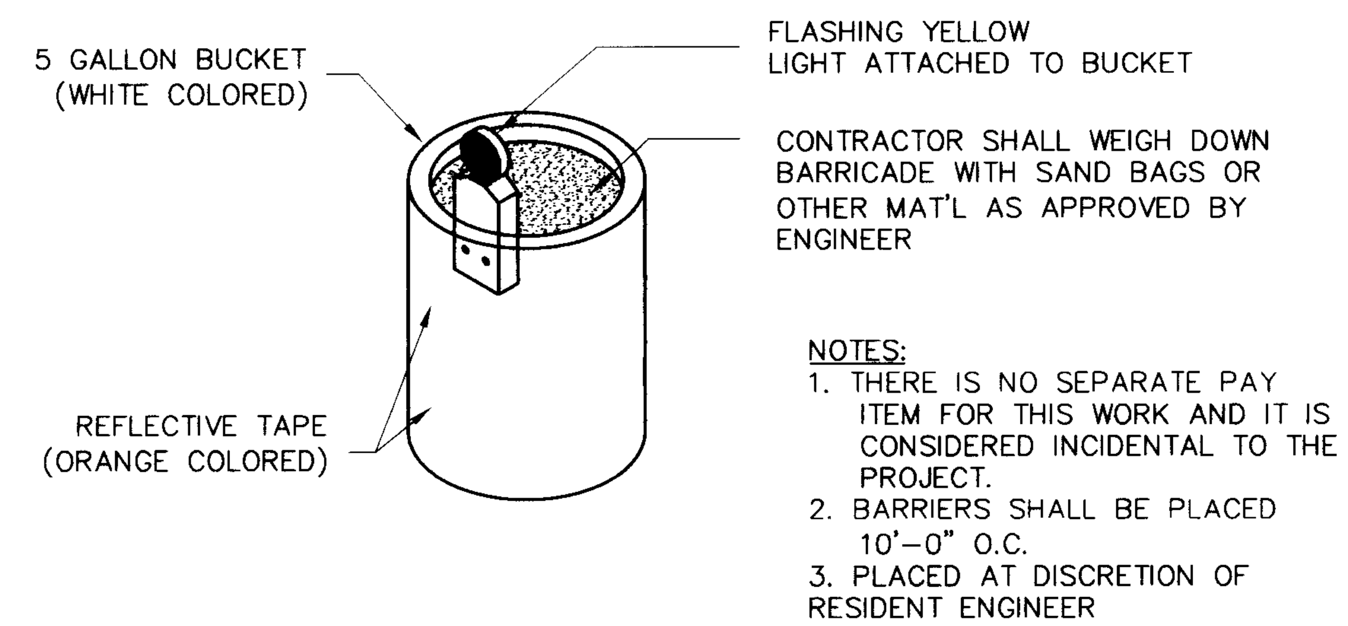
Runway 1-19 is to be opened at all times during the project. No work shall be allowed within the Runway 1-19 primary surface without authorization from the Engineer.

CONSTRUCTION INCLUDES:

Testing, calibration, and certification of the AWOS system.

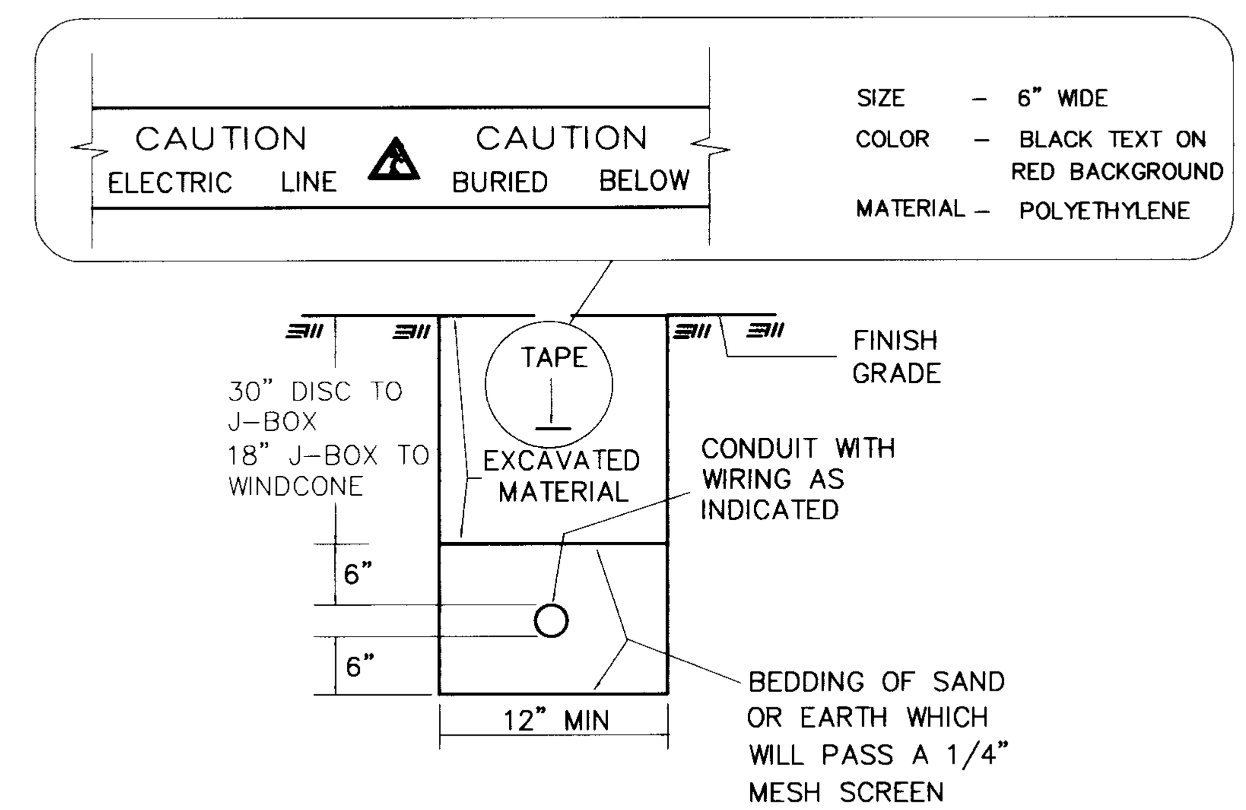
SPECIAL NOTE:

The Contractor's attention is drawn to the single and double hatched areas within the inner AWOS Critical Area depicted on Sheet 4. Prior to any earth disturbance, the contractor shall mark flag or fence the outer limit of the area to be cut and stumped (single hatching). No removal of stumps is to take place in the area which is double hatched; trees are to be clear cut only in this area. No clearing or any type of disturbance may occur immediately north of the double hatched area as this area is archeologically sensitive.

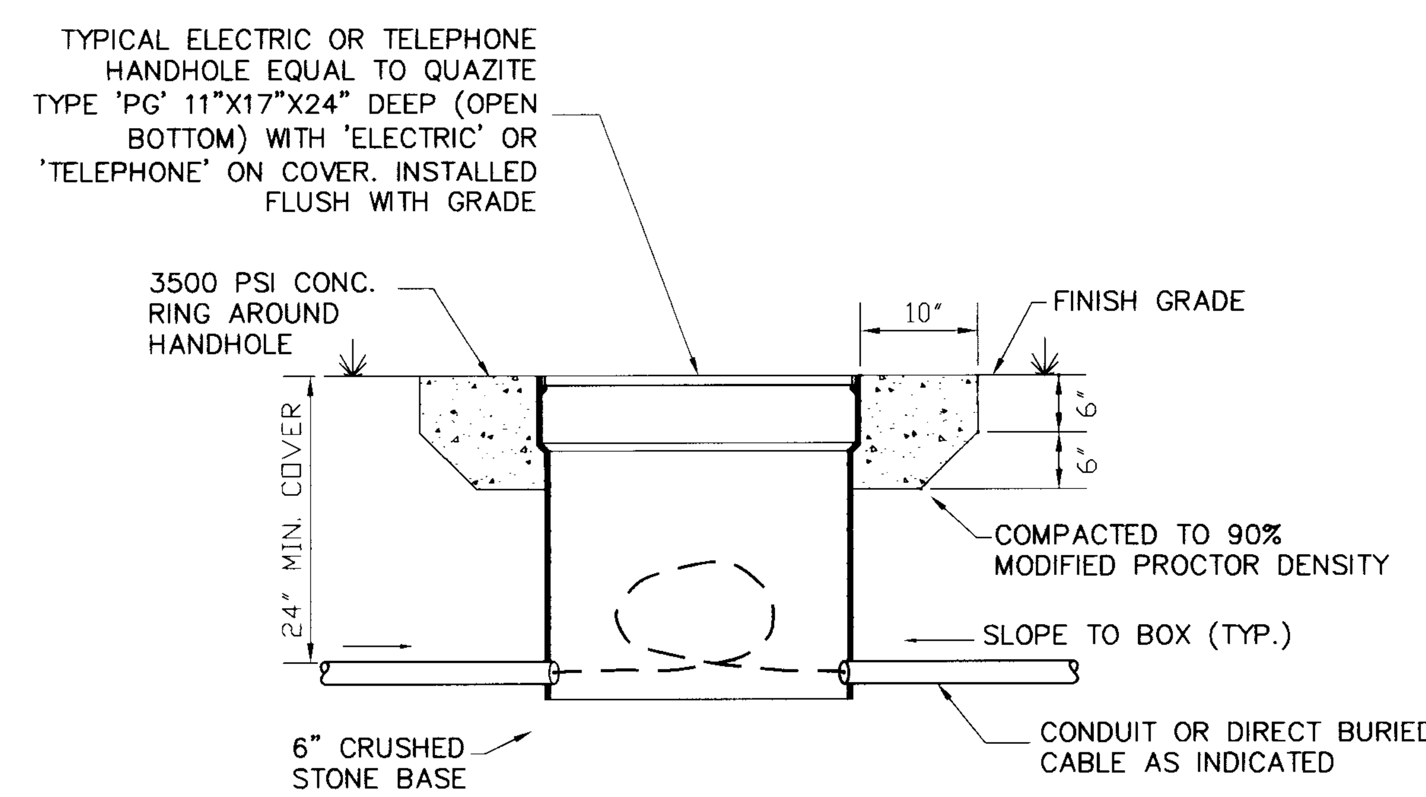


NOTES:
1. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK AND IT IS CONSIDERED INCIDENTAL TO THE PROJECT.
2. BARRIERS SHALL BE PLACED 10'-0" O.C.
3. PLACED AT DISCRETION OF RESIDENT ENGINEER

A/2 TYPICAL SAFETY BARRICADE
NOT TO SCALE



B/2 TYPICAL CONDUIT TRENCH SECTION
NOT TO SCALE



C/2 TYPICAL HAND-HOLE DETAIL
NOT TO SCALE

Dufresne-Henry
Saratoga Springs, New York
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Rev.	Description	By	Date

AWOS INSTALLATION
FRANKLIN AIR 04-3144 C/1

FRANKLIN COUNTY STATE AIRPORT
QUANTITIES, PHASING NOTES, MISC. DETAILS

HIGHGATE VERMONT

STATE OF VERMONT ANDREW H. TOMS No. 6486 REGISTERED PROFESSIONAL ENGINEER

Project No.	8190066
Proj. Manager	AHT
Proj. Designer	AHT
Drawn By	DNF
Checked By	MC
Scale	NTS
Approved	MC
Date	05-07-01

2

Sheet 2 of 11
D AWOS 2