

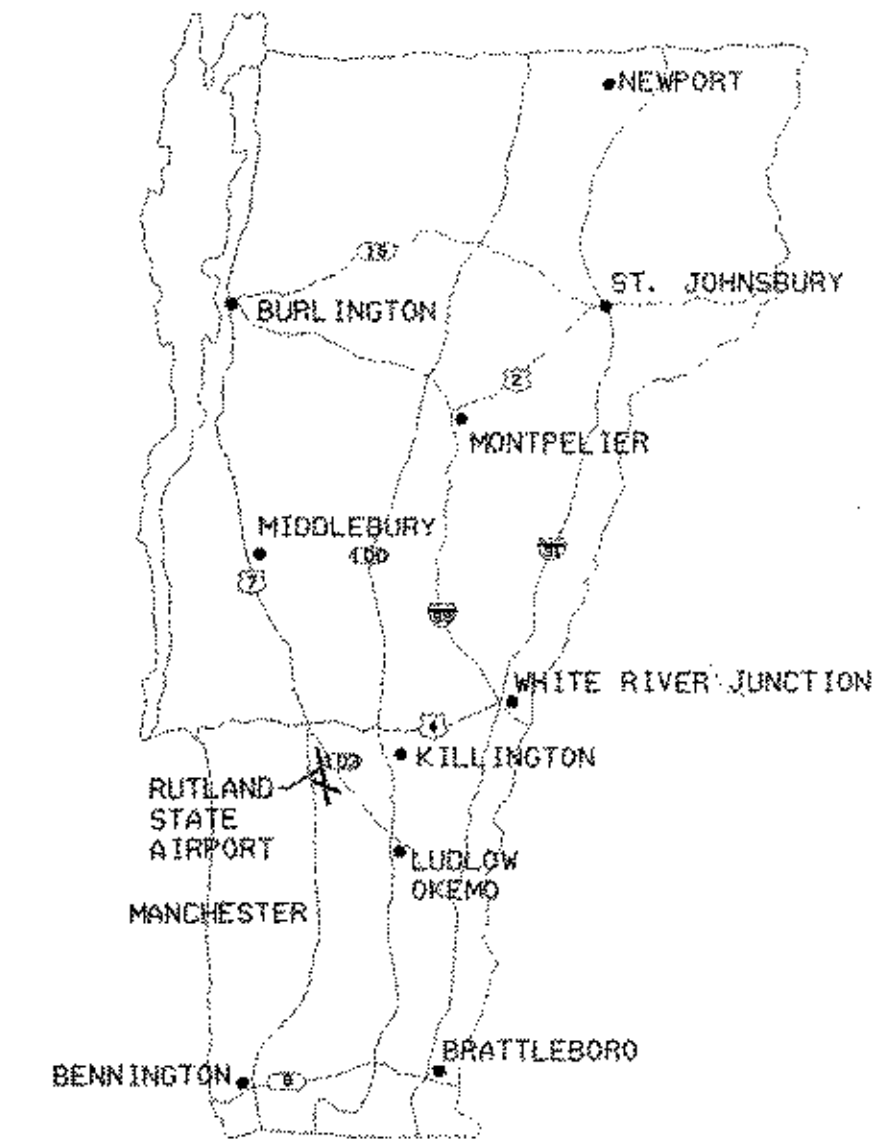
INDEX OF SHEETS

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- 7 APRON LIGHTING DETAILS
- 8 AIRPORT PROPERTY MAP - EXHIBIT "A"

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**



**PROPOSED IMPROVEMENTS
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIR 04-3154 CONTRACT 2**



VAOT STANDARD DRAWINGS

- E-100 CONSTRUCTION APPROACH SIGNS
- E-121 STANDARD SIGN PLACEMENTS
- T-1 TEMPORARY EROSION CONTROL DETAILS
- T-2 TEMPORARY EROSION CONTROL DETAILS
- F-2 CHAIN LINK FENCE (TYPE I)

PROJECT DESCRIPTION:

PROJECT "C"

- (1) INSTALLATION OF FAN MARKER FACILITY (FM) SERVING RUNWAY 19 (GL) RUTLAND STATE AIRPORT
- (2) INSTALLATION OF APRON LIGHTING
- (3) INSTALLATION OF CHAIN LINK FENCE - 8 FEET

RECORD PLANS

CONTRACTOR: DON WESTON EXCAVATING

RESIDENT ENGINEER: FOR CHRIS BUMP

CONSTRUCTION BEGAN: JUNE 23, 2003

CONSTRUCTION COMPLETE: DECEMBER 31, 2003

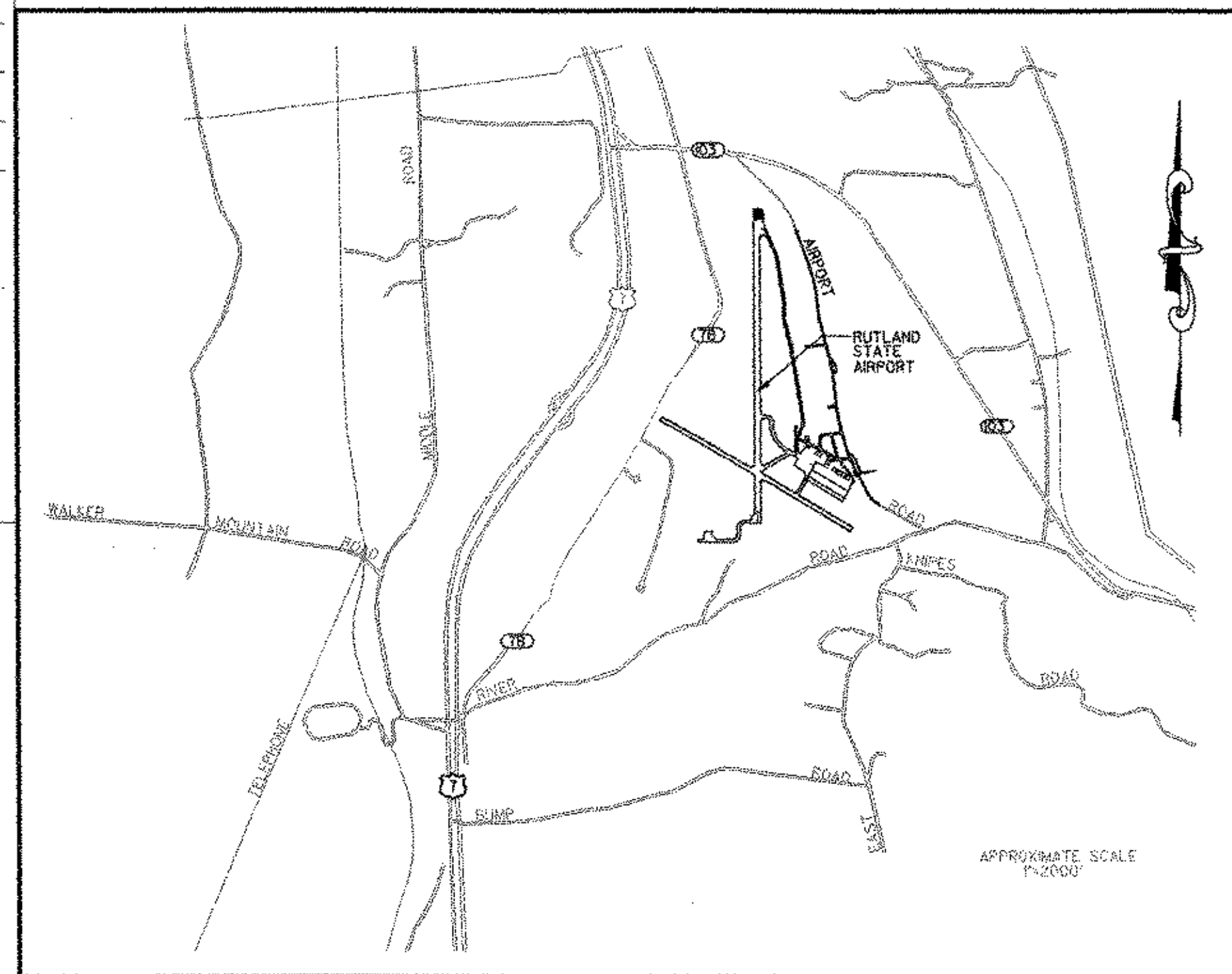
RECORD PLANS BY: K. NORTH & N. GARRACK

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY *[Signature]* RESIDENT ENGINEER

FAN MARKER DRAWINGS-PROVIDED BY FAA

- NE-D-27464-G000 COVER SHEET
- NE-D-27464-G001 INDEX SHEET
- NE-D-27464-D001 EXISTING FACILITY DEMOLITION PLAN
- NE-D-27464-C001 UTILITY AND SITE PLAN
- NE-D-27464-C002 FACILITY SITE PLAN
- NE-D-27464-C003 DETAILS
- NE-D-27464-C004 CHAIN LINK FENCE DETAILS
- NE-D-27464-E001 ELECTRICAL DETAILS
- NE-D-27464-E002 EXTERIOR EQUIPMENT INSTALLATION
- NE-D-27464-E003 EQUIPMENT SHELTER-EXTERIOR ELEVATIONS
- NE-D-27464-E004 EQUIPMENT SHELTER-INTERIOR ELEVATIONS
- NE-D-27464-E005 EQUIPMENT SHELTER-ELECTRICAL DETAILS
- NE-D-27464-R001 LEASE PROPERTY DESCRIPTION



**LOCATION MAP
NTS**

| SUMMARY OF ESTIMATED QUANTITIES | | | |
|---------------------------------|------|------------------------------------------------------|----------|
| QUANTITIES GRAND TOTAL | UNIT | ITEMS | ITEM NO. |
| 8 | HOUR | ALL PURPOSE EXCAVATOR RENTAL, TYPE I | 608.25 |
| 5,700 | LF | CHAIN-LINK FENCE, 8 FEET | 620.13 |
| 60 | LF | GATE FOR CHAIN-LINK FENCE, 8 FEET | 620.17 |
| 26 | LF | GATE FOR CHAIN-LINK FENCE, 8 FEET (MOD.) | 620.17 |
| 60 | EA | BRACING ASSEMBLY FOR CHAIN-LINK FENCE, 8 FEET | 620.22 |
| 1,000 | LF | REMOVAL OF EXISTING FENCE | 620.55 |
| 1,000 | LF | SNOW FENCE | 620.70 |
| 1 | LU | FIELD OFFICE - TELEPHONE (NABD) | 631.25 |
| 1 | LS | MOBILIZATION | 635.10 |
| 1 | LS | UTILITY SYSTEM (MOD) (FAN MARKER FACILITY) | 636.15 |
| 300 | SY | GEOTEXTILE FOR SILT FENCE | 649.51 |
| 100 | LB | SEED | 651.15 |
| 500 | LB | FERTILIZER | 651.18 |
| 2 | TON | AGRICULTURAL LIMESTONE | 651.20 |
| 2 | TON | HAY MULCH | 651.25 |
| 750 | EA | HAY BALES FOR EROSION CONTROL | 651.26 |
| 1 | LS | EROSION & SEDIMENT CONTROL PLAN | 652.10 |
| 8 | HR | MONITORING EROSION & SEDIMENT CONTROL PLAN | 652.20 |
| 1 | LU | FIELD MAINTENANCE OF EROSION & SEDIMENT CONTROL PLAN | 652.30 |
| 1 | LS | STREET LIGHTING (MOD) (APRON LIGHTING FACILITY) | 679.15 |

STANDARD NOTE

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION OR THE DIRECTOR OF OPERATIONS DIVISION.

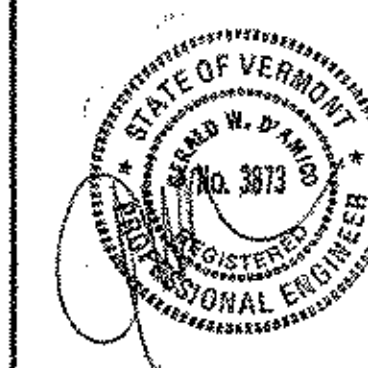
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2001, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 2, 2001. FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DESIGN CERTIFICATION

THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED IN ACCORDANCE WITH CURRENT FAA STANDARDS IDENTIFIED IN ADVISORY CIRCULAR CHECKLIST, AC 00-242, DATED JULY, 1999. DEVIATIONS FROM FAA STANDARDS ARE DISCUSSED IN THE ENGINEERS REPORT, DATED FEBRUARY, 2002.

[Signature]
URS CORPORATION

18 AUGUST, 2003
DATE



STATE OF VERMONT
APPROVED

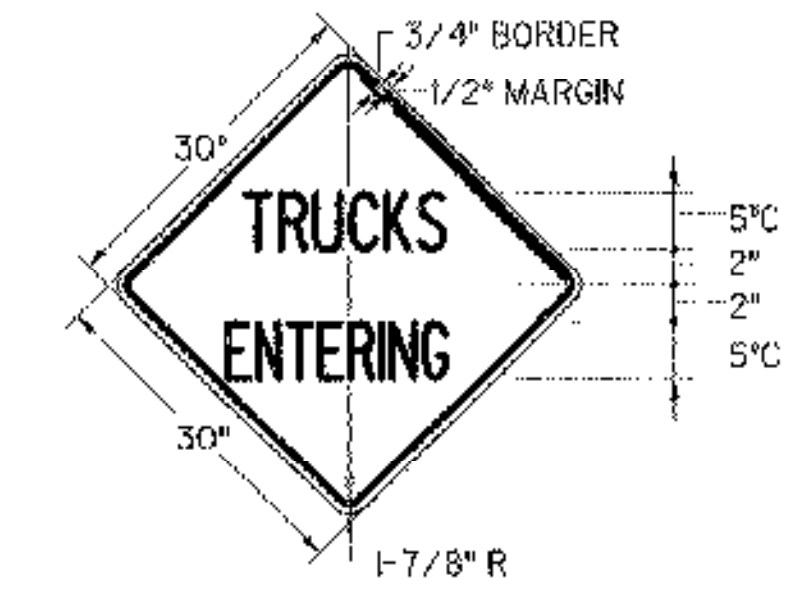
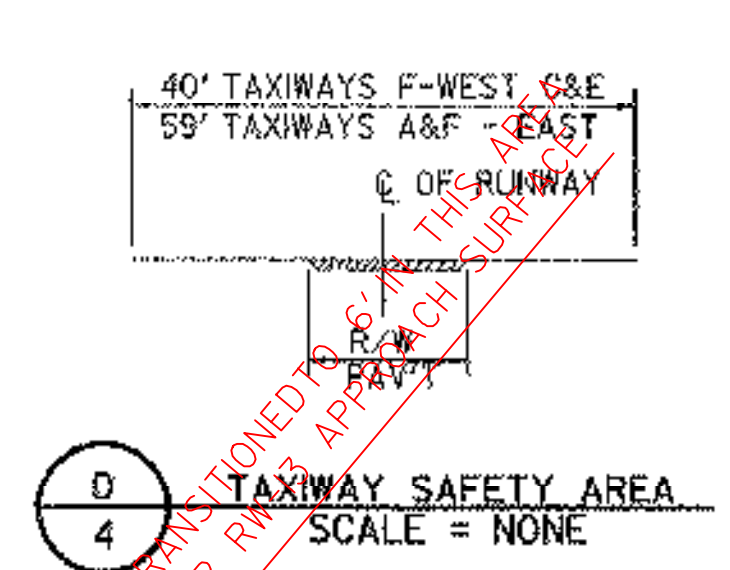
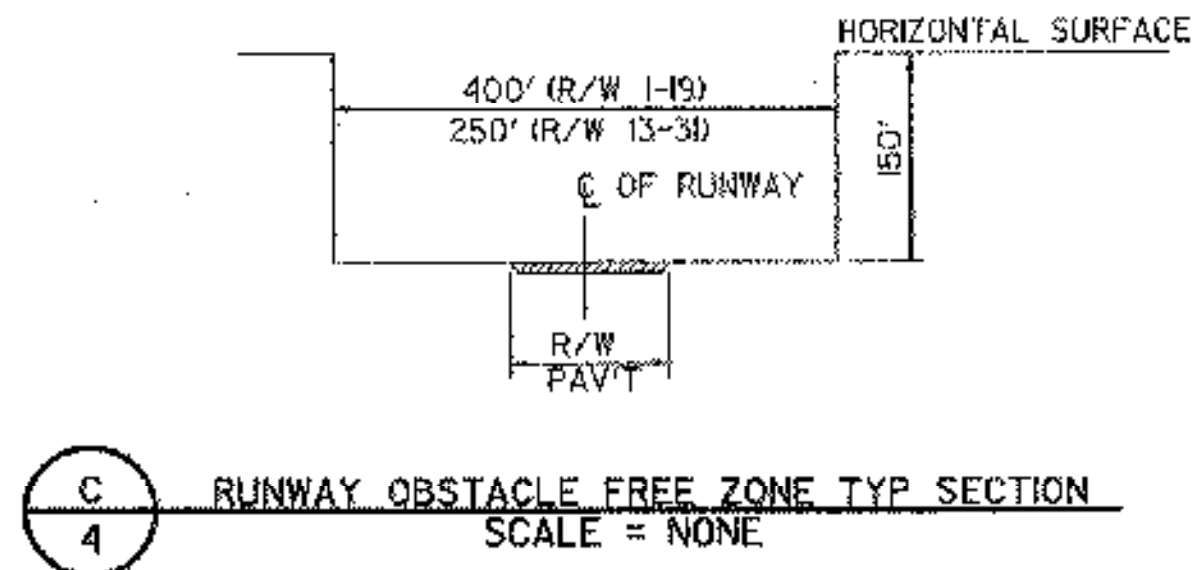
[Signature]
DIRECTOR, OPERATIONS DIVISION
8/18/03
DATE

PROJECT DESCRIPTION

- PROJECT "C"
 1. INSTALLATION OF FAN MARKER FACILITY IN RUTLAND TOWN.
 2. INSTALLATION OF APRON LIGHTING.
 3. INSTALLATION OF CHAIN LINK FENCE - 8 FEET.

NOTES

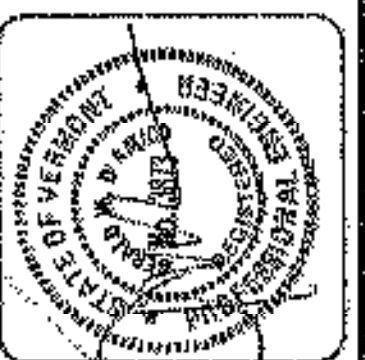
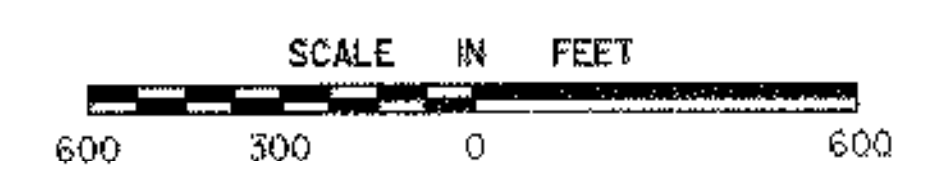
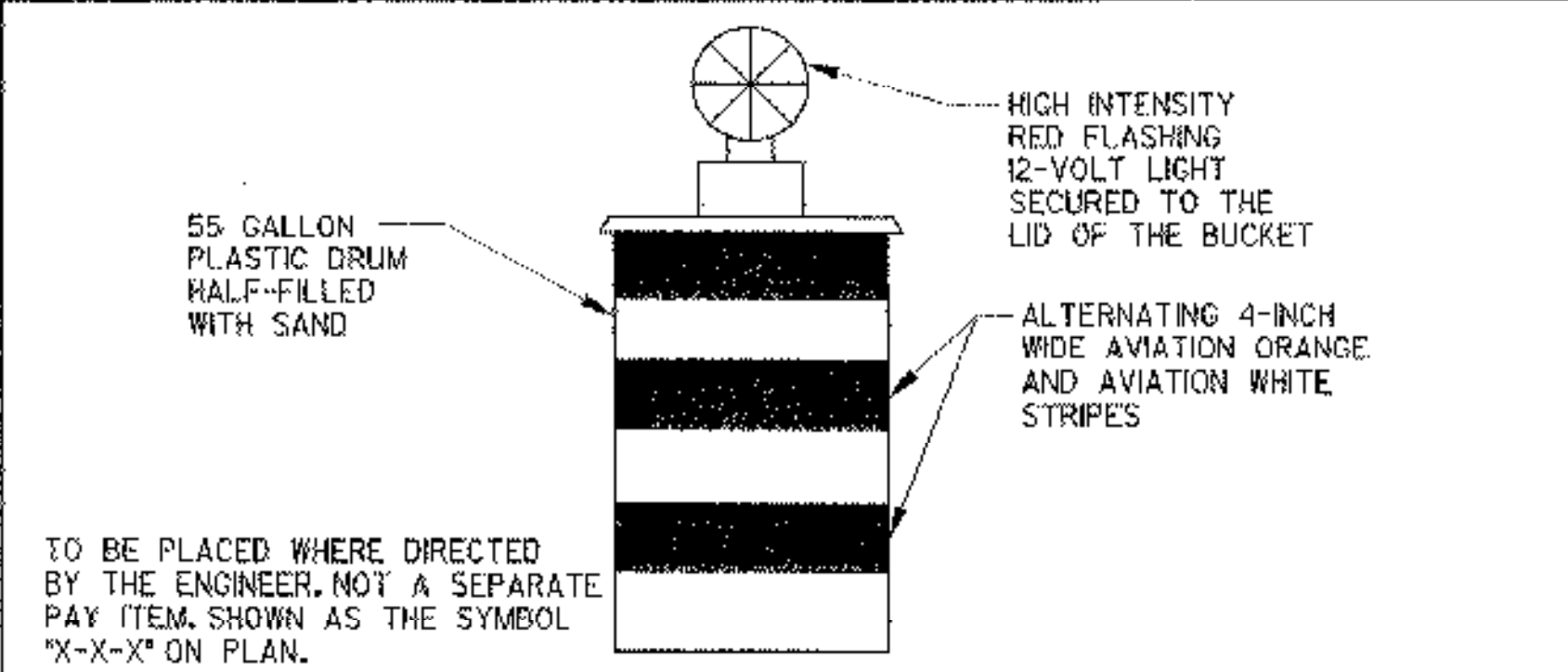
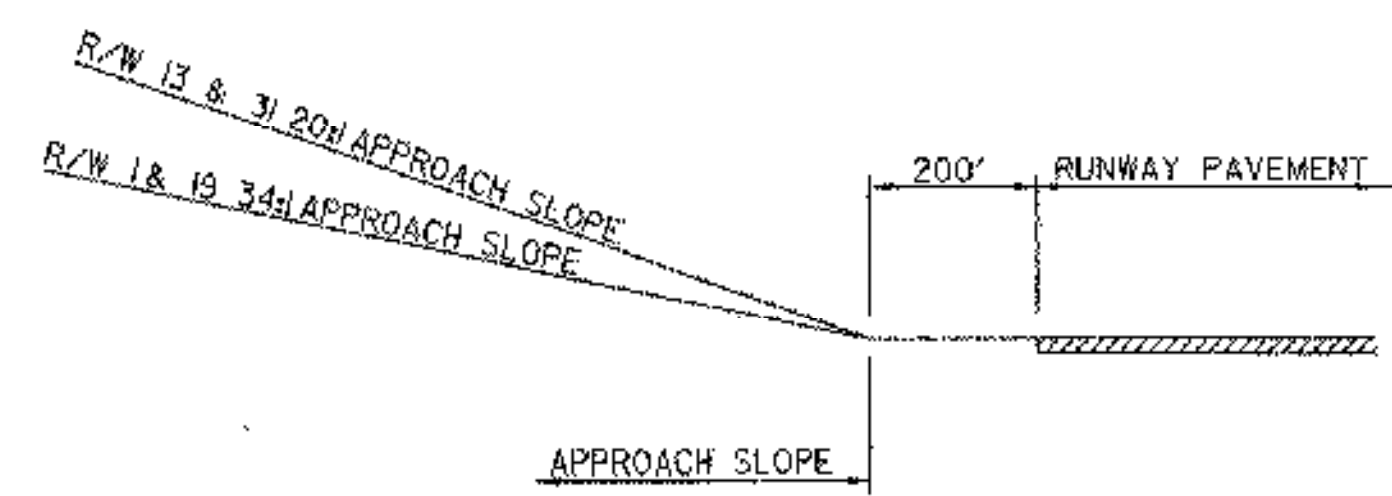
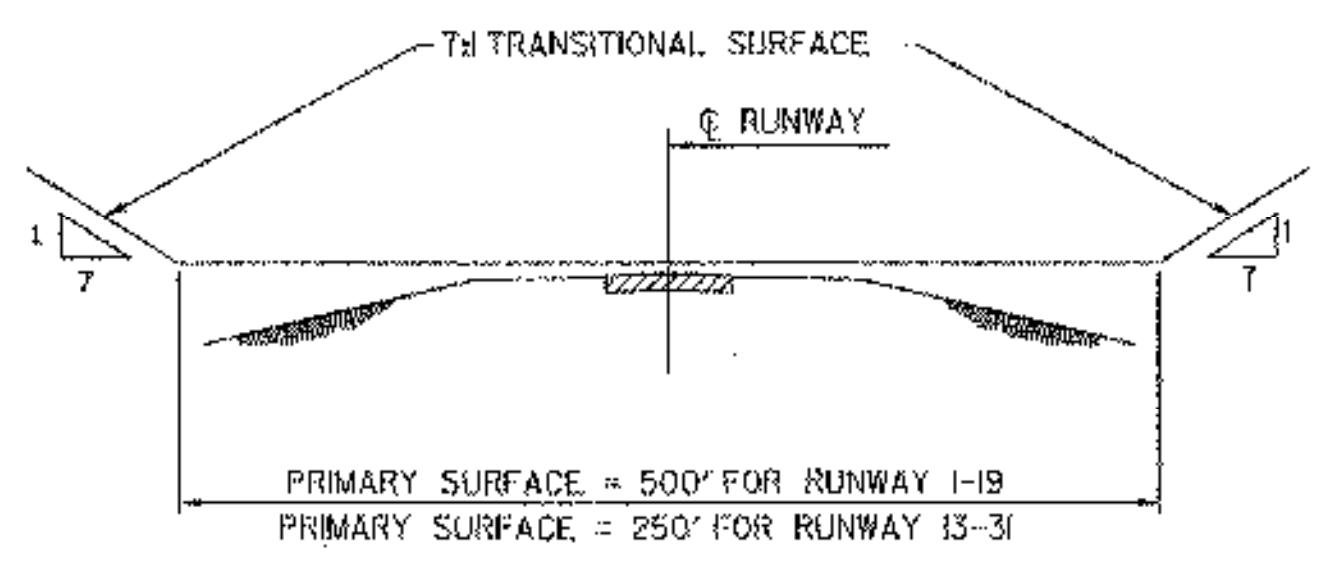
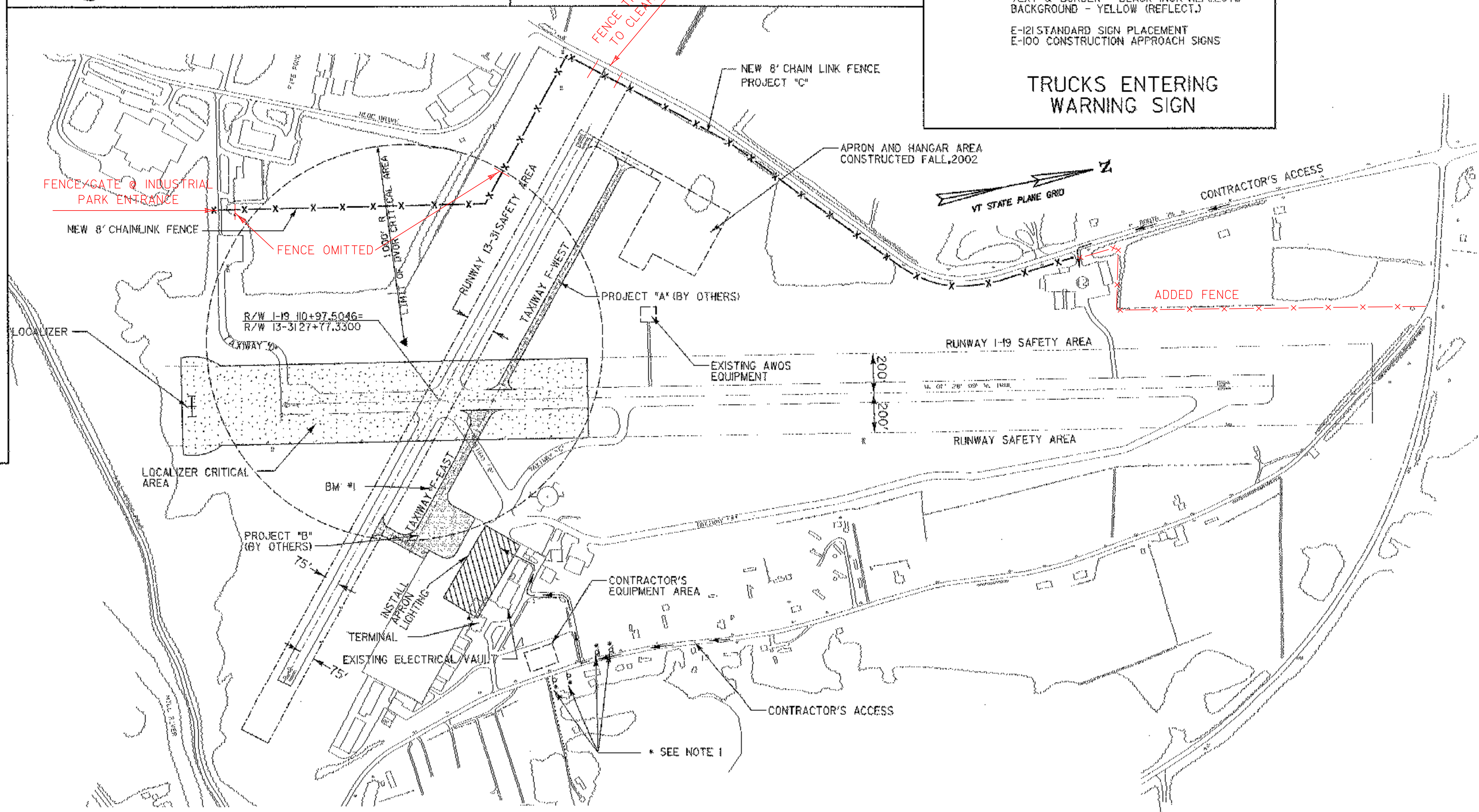
- TWO (2) TRUCK ENTERING SIGNS TO BE PLACED ON ROUTE 7B AND AIRPORT ROAD APPROXIMATELY 150' AND 75' FROM THE CONTRACTOR'S ENTRANCE - IN EACH DIRECTION. SIGNS TO BE PLACED AT LEAST 8' OFF ROADWAY EDGE OF PAVEMENT.
- BENCHMARK #1 DISK 650M, 1979
374614.055N, 1521821.019E
ELEVATION 782.54
- WASTE AREAS TO BE LOCATED AS DIRECTED BY THE ENGINEER OUTSIDE RUNWAY SAFETY AREAS AND F.A.R. PART 77 IMAGINARY SURFACE. AVOID WETLAND AREAS. WASTE AREAS TO BE GRADED, SEED, LIMED & MULCHED UPON COMPLETION OF PROJECT. PROVIDE EROSION CONTROL MEASURES, AS DIRECTED BY THE ENGINEER.
- CONTRACTOR'S ACCESS TO TERMINAL AREA TO BE FROM AIRPORT ROAD.
- CONTRACTOR TO PROVIDE FLAG PERSON AT HAUL / ACCESS ROUTE WHEN CROSSING RUNWAYS, ACTIVE APRONS, TAXIWAYS, OR WHEN WORKING WITHIN THE LOCALIZER CRITICAL AREA OR WHEN DIRECTED BY THE ENGINEER. (NOT A SEPARATE PAY ITEM)
- FLAGPERSON TO CONTROL ACCESS WITHIN RUNWAY AND TAXIWAY SAFETY AREAS. NO GROUND VEHICLE TRAFFIC WILL BE ALLOWED TO ENTER RUNWAY SAFETY AREAS.
- FLAGPERSON IS TO HAVE AERONAUTICAL RADIO CAPABLE OF TRANSMITTING AND RECEIVING ON UNICOM FREQUENCY 122.8 MHZ.
- HAUL ROUTES TO BE GRADED AND RETURNED TO ORIGINAL CONDITION UPON COMPLETION OF PROJECT.
- ALL WORK MUST BE COORDINATED WITH THE AIRPORT MANAGER AND THE RESIDENT ENGINEER.
- CONTRACTOR TO MINIMIZE EQUIPMENT STORAGE AND OPERATIONS ON THE TERMINAL APRON.
- SNOW FENCE, MOD., ITEM 620.70 TO BE PLACED WHERE DIRECTED BY THE ENGINEER TO DELINEATE WORK AREAS AND/OR ISOLATE SENSITIVE WILDLIFE AREAS.



COLORS

TEXT & BORDER - BLACK (NON-REFLECT.)
 BACKGROUND - YELLOW (REFLECT.)
 E-121 STANDARD SIGN PLACEMENT
 E-100 CONSTRUCTION APPROACH SIGNS

**TRUCKS ENTERING
 WARNING SIGN**



| | | |
|------|---------|-----------------------|
| REV. | DATE | DESCRIPTION |
| 1 | 8/18/03 | REVISE FENCE LOCATION |

Job No. F200002046.00
 File No. F2020450069C

RUTLAND STATE AIRPORT
 CLARENDON, VERMONT

GENERAL PROJECT LAYOUT

URS
 1 NORTHWAY LN.
 LATHAM, NEW YORK

| | | | |
|------------------|------------------|--------------------|---------------------|
| Designed by: | Drawn by: M.C.M. | Checked by: M.C.C. | Approved by: G.W.D. |
| Scale: 1" = 300' | Date: MAR., 2003 | Sheet 2 OF 6 | Sheet No. 2 |

GENERAL CONSTRUCTION AND SAFETY NOTES

GENERAL NOTES

1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS AND ANY RULES, REGULATIONS, STANDARDS OR SPECIFICATIONS REFERENCED THEREIN. THE PROJECT IS SUBJECT TO INSPECTION BY REPRESENTATIVES OF THE VERMONT AGENCY OF TRANSPORTATION (VTRANS), AND THE FEDERAL AVIATION ADMINISTRATION (FAA).
2. THE PROJECT SHALL BE CONSTRUCTED IN A TIMELY MANNER IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED PROJECT SCHEDULE.
3. THE CONTRACTOR IS EXPECTED TO MEET COMPLETION OF CRITICAL PORTIONS OF THE PROJECT AND OPEN THOSE SEGMENTS TO TRAFFIC BY THE SPECIFIED TIMES AND TO COMPLETE THE ENTIRE PROJECT ON TIME.
4. RUTLAND STATE AIRPORT WILL BE IN OPERATION DURING THE CONSTRUCTION OF THIS PROJECT. COORDINATION OF ALL WORK WITH THE AIRPORT MANAGER & THE PROJECT RESIDENT ENGINEER IS MANDATORY TO MINIMIZE IMPACTS ON AIRPORT OPERATIONS.
5. CONSTRUCTION AND MAINTENANCE OPERATIONS BY OTHERS MAY OCCUR CONCURRENTLY AND AT TIMES IN THE VICINITY OF CONSTRUCTION ASSOCIATED WITH THIS PROJECT. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS AND COOPERATE WITH MAINTENANCE CREWS AND OTHER CONTRACTORS WORKING ON THE AIRPORT.
6. ACCESS TO THE SITE - THE CONTRACTOR'S ACCESS POINTS TO THE SITE ARE SHOWN ON THE GENERAL PROJECT LAYOUT PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL VEHICLES AND PERSONNEL WHO ENTER THROUGH THESE ACCESS POINTS. THE CONTRACTOR SHALL MAINTAIN A SECURITY GUARD (NOT A SEPARATE PAY ITEM AT EACH GATE BEING USED AT ALL TIMES WHILE CONSTRUCTION IS UNDERWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL ACCESS POINTS BEING USED AT EACH CONSTRUCTION DAY OR WHEN ACCESS POINTS ARE UNATTENDED.
7. HAUL ROUTES - APPROXIMATE LOCATION OF HAUL ROUTES ON THE AIRPORT SITE ARE SHOWN ON THE PHASING PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES (STATE OR TOWN HIGHWAYS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. BEFORE AND AFTER CONDITION OF ON-SITE HAUL ROUTES SHALL BE INSPECTED AND DETERMINED BY THE CONTRACTOR AND THE ENGINEER. FENCING, DRAINAGE, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO COMMENCING THE WORK. EXISTING ACCESS ROADS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES.
8. CONTRACTOR'S STAGING AREAS - AN AREA WILL BE MADE AVAILABLE FOR CONTRACTOR'S MOBILIZATION AND STORAGE. THIS AREA IS SHOWN ON THE GENERAL PROJECT LAYOUT. THE CONTRACTOR'S STAGING AREA SHALL BE GRADED, TOPSOILED, SEEDED, AND MULCHED UPON COMPLETION OF USE, AT THE CONTRACTOR'S EXPENSE.
9. DISPOSAL AREA - WASTE AREAS WILL BE MADE AVAILABLE FOR THE DISPOSAL OF THE CONTRACTOR'S SPOIL MATERIALS. THE MANNER IN WHICH MATERIALS ARE PLACED IN EMBANKMENTS SHALL BE AS SPECIFIED AND APPROVED BY THE ENGINEER. WASTE MATERIALS INCLUDE THOSE ITEMS WHICH ARE A DIRECT RESULT OF CONSTRUCTION. TRASH (I.E. CUPS, CANS, ETC.) SHALL BE DISPOSED OF THROUGH PROPER SANITARY METHODS.
10. SAFETY - THE CONTRACTOR SHALL CONDUCT HIS ACTIVITIES IN A SAFE MANNER AS SPECIFIED IN THE SECTION TITLED, "SAFETY REQUIREMENTS DURING CONSTRUCTION" ON THIS SHEET.
11. PROTECTION OF AND REPAIR OF DAMAGE TO EXISTING CABLES - LOCATION OF KNOWN EXISTING AIRPORT UNDERGROUND CABLES ARE SHOWN ON THE PLANS AND MUST BE VERIFIED BY THE CONTRACTOR. REPAIR OF CABLES DAMAGED DUE TO CONTRACTOR'S OPERATIONS MUST BE STARTED IMMEDIATELY AND CONTINUED UNTIL COMPLETED. ALL SUCH REPAIRS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL BE AT THE CONTRACTOR'S EXPENSE. WHEN FAA CABLES ARE DAMAGED, REPAIRS SHALL BE DONE IN ACCORDANCE WITH FAA REQUIREMENTS AND IN THE PRESENCE OF AN FAA REPRESENTATIVE. THE FAA MAY ELECT TO HAVE THE REPAIR PERFORMED BY OTHERS IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING THE INCURRED COSTS OF REPAIRS.
12. EXISTING AIRFIELD LIGHTING SYSTEMS - INTERRUPTION OF EXISTING AIRFIELD LIGHTING SYSTEMS NOT INCLUDED IN THIS PROJECT SHALL NOT BE PERMITTED. ALL AIRFIELD LIGHTING CIRCUITS AFFECTED BY THIS PROJECT SHALL BE MAINTAINED BY THE CONTRACTOR DURING OPERATIONAL PERIODS IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR AS DIRECTED BY THE ENGINEER.
13. CONSTRUCTION LIMITS - ALL CONTRACTOR VEHICLES AND TRAFFIC (UNLESS OTHERWISE AUTHORIZED) SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES. CONSTRUCTION, STORAGE AND STOCKPILING LIMITS ARE FURTHER DEFINED IN THE SECTION TITLED, "SAFETY REQUIREMENTS DURING CONSTRUCTION" ON THIS SHEET.

14. PORTABLE FLOODLIGHTING - THE CONTRACTOR SHALL PROVIDE PORTABLE FLOODLIGHTING WHEN REQUIRED FOR CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL PROVIDE SUFFICIENT UNITS SO THAT ALL WORK AREAS ARE ILLUMINATED TO A LEVEL OF 5 HORIZONTAL FOOT CANDLES. THE LIGHTING LEVELS SHALL BE CALCULATED AND MEASURED IN ACCORDANCE WITH THE CURRENT STANDARDS OF THE ILLUMINATION ENGINEERING SOCIETY.
15. THE CONTRACTOR SHALL OBTAIN ALL THE PERMITS AND LICENSES REQUIRED FOR THE PROJECT WORK AT HIS OWN EXPENSE.
16. EXISTING TOPOGRAPHIC FIELD SURVEYS FOR THIS PROJECT AREA WERE PERFORMED BY LITTLE RIVER SURVEY CO. IN MAY, 2001.
17. THE HORIZONTAL CONTROL ON THIS PROJECT IS TIED TO THE 1983 AND 1988 NATIONAL GEODETIC HORIZONTAL AND VERTICAL DATUM, RESPECTIVELY.
18. ELECTRICAL WORK MUST BE PERFORMED BY A VERMONT LICENSED MASTER ELECTRICIAN OR JOURNEYMAN TYPE-S WITH PROPER ENDORSEMENT. A WORK NOTICE MUST BE OBTAINED AND THE COMPLETED WORK MUST BE IN COMPLIANCE WITH NFPA 70-1999, VERMONT ELECTRICAL SAFETY RULES. UPON COMPLETION OF THE WORK, THE CONTRACTOR IS TO CONTACT THE VERMONT ELECTRICAL INSPECTOR AT 802-786-0071 TO SCHEDULE A FINAL INSPECTION.

SAFETY REQUIREMENTS DURING CONSTRUCTION

(A) FEDERAL AVIATION ADMINISTRATION (FAA) ADVISORY CIRCULARS (AC), ORDERS AND FEDERAL AVIATION REGULATIONS (FAR)

THE FOLLOWING PUBLICATIONS CONTAIN DEFINITIONS/DESCRIPTIONS OF CRITICAL AIRPORT OPERATING AREAS. THE AREAS DEFINED BELOW PERTAIN TO AIRFIELD SAFETY REQUIREMENTS AND ARE REFERENCED THROUGHOUT THE CONTRACT DOCUMENTS. COPIES OF THESE PUBLICATIONS ARE AVAILABLE THROUGH THE FAA OR CAN BE ORDERED BY MAIL FROM:

U.S. DEPARTMENT OF TRANSPORTATION
SUBSEQUENT DISTRIBUTION OFFICE
ARMOROE EAST BUSINESS CENTER
3341 Q 75TH AVE.
LANDOVER, MD. 20785
AND CAN BE REVIEWED AT THE OFFICES OF THE VERMONT AGENCY OF TRANSPORTATION.

- (1) AC 150/5370-2, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", CURRENT EDITION.
- (2) FAR PART 77 "OBJECTS AFFECTING NAVIGABLE AIRSPACE, CURRENT EDITION.
- (3) AC 150/5300-13, "AIRPORT DESIGN", CURRENT EDITION, ESTABLISHES DESIGN, OPERATIONAL, AND MAINTENANCE STANDARDS FOR AIRPORTS. STANDARD TERMS USED IN THE CONTRACT PLANS AND SPECIFICATIONS ARE DEFINED BELOW:
 - (A) OBSTACLE FREE ZONE (OFZ) - A VOLUME OF SPACE WHICH IS FREE OF ALL FIXED OBJECTS AND CLEAR OF VEHICLES IN THE VICINITY OF AN AIRPLANE CONDUCTING AN APPROACH, MISSED APPROACH, LANDING, TAKEOFF, OR DEPARTURE. AN OFZ TYPICAL SECTION IS SHOWN ON THE GENERAL PROJECT LAYOUT PLAN.
 - (B) RUNWAY PROTECTION ZONE (RPZ): A TRAPEZOIDAL AREA CENTERED ON THE RUNWAY BEGINNING AT A POINT 200 FEET BEYOND THE END OF THE AREA USEABLE FOR TAKEOFF OR LANDING.
 - (C) OBJECT FREE AREA (OFA): A TWO DIMENSIONAL GROUND AREA SURROUNDING RUNWAYS, TAXIWAYS, AND TAXILANES WHICH IS CLEAR OF OBJECTS EXCEPT FOR OBJECTS WHOSE LOCATION IS FIXED BY FUNCTION.
 - (D) SAFETY AREA - THE SURFACE ADJACENT TO RUNWAYS, TAXIWAYS, AND TAXILANES OVER WHICH AIRCRAFT SHOULD, IN DRY WEATHER, BE ABLE TO CROSS AT NORMAL SPEEDS WITHOUT INCURRING SIGNIFICANT DAMAGE. A SAFETY AREA IS GRADED, DRAINED AND COMPACTED. IT IS FREE OF ANY HOLES, TRENCHES, BUMPS OR OTHER SIGNIFICANT SURFACE VARIATIONS OR OBJECTS OTHER THAN THOSE WHICH MUST BE THERE BECAUSE OF THEIR ESSENTIAL AERONAUTICAL FUNCTION. THE SAFETY AREA REQUIRES THE CAPABILITY OF SUPPORTING MAINTENANCE VEHICLES AND AIRCRAFT RESCUE AND FIRE FIGHTING VEHICLES UNDER NORMAL (DRY) CONDITIONS.

(B) GENERAL SAFETY REQUIREMENTS

- (1) THE CONTRACTOR SHALL ACQUAINT HIS SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITY AND OPERATIONS THAT ARE INHERENT TO RUTLAND STATE AIRPORT AND SHALL CONDUCT HIS CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND GUIDELINES FOR SAFETY SPECIFIED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL SAFETY DEVICES AS REQUIRED FOR THE PROTECTION OF HIS PERSONNEL.
- (2) PROTECTION OF ALL PERSONS SHALL BE PROVIDED THROUGHOUT THE PROGRESS OF THE WORK. THE WORK SHALL PROCEED IN SUCH A MANNER AS TO PROVIDE SAFE CONDITIONS FOR ALL WORKERS AND AGENCY PERSONNEL. THE SEQUENCE OF OPERATION SHALL BE SUCH THAT MAXIMUM PROTECTION IS AFFORDED TO INSURE THAT PERSONNEL AND WORKERS IN THE WORK AREA ARE NOT SUBJECT TO ANY DANGEROUS CONDITIONS.

- (3) DURING PERFORMANCE OF THIS CONTRACT, THE AIRPORT RUNWAYS, TAXIWAYS, AND AIRCRAFT PARKING APRONS SHALL REMAIN IN USE BY AIRCRAFT TO THE MAXIMUM EXTENT POSSIBLE. ALL AIRCRAFT TRAFFIC ON THESE AREAS SHALL HAVE PRIORITY OVER CONTRACTOR'S TRAFFIC. THE OWNER RESERVES THE RIGHT TO ORDER THE CONTRACTOR AT ANY TIME TO VACATE ANY AREA NECESSARY TO MAINTAIN SAFE AIRCRAFT OPERATIONS. USE OF AREAS NEAR THE CONTRACTOR'S WORK WILL BE CONTROLLED TO MINIMIZE DISTURBANCE TO THE CONTRACTOR'S OPERATION. THE CONTRACTOR SHALL NOT ALLOW EMPLOYEES, SUBCONTRACTORS, SUPPLIERS, OR ANY OTHER UNAUTHORIZED PERSON TO ENTER OR REMAIN IN ANY AIRPORT AREA WHICH WOULD BE HAZARDOUS TO PERSONS OR TO AIRCRAFT OPERATIONS.

- (4) ALL WORK TO BE PERFORMED WHICH IS CLOSE TO AN ACTIVE RUNWAY, TAXIWAY OR APRON SHALL BE PERFORMED WHEN THE RUNWAY, TAXIWAY OR APRON IS NOT IN USE. SUCH WORK SHALL BE ACCOMPLISHED ONLY WITH PRIOR PERMISSION FROM THE ENGINEER AND AIRPORT MANAGER. REQUESTED CLOSINGS SHALL BE DIRECTED TO THE ENGINEER AT LEAST 48 HOURS IN ADVANCE.

(C) CONSTRUCTION AND FACILITIES MAINTENANCE

- (1) THE FOLLOWING ARE CONSIDERED SAFETY PROBLEMS AND/OR HAZARDS:

- (A) TRENCHES, HOLES, OR EXCAVATION ON OR ADJACENT TO AN ACTIVE RUNWAY TAXIWAY, TAXIWAY OR APRON OR PUBLIC ROADWAY.
- (B) UNMARKED/UNLIGHTED HOLES OR EXCAVATION IN ANY APRON, OPEN TAXIWAY, OPEN TAXILANE, OR RELATED SAFETY AREA.
- (C) MOUNDS OR PILES OF EARTH, CONSTRUCTION MATERIALS, TEMPORARY STRUCTURES, OR OTHER OBJECTS IN THE VICINITY OF ANY OPEN RUNWAY, TAXIWAY, TAXILANE, OR IN ANY RELATED SAFETY, APPROACH, OR DEPARTURE AREA.
- (D) VEHICLES OR EQUIPMENT, WHETHER OPERATING OR IDLE, ON ANY OPEN RUNWAY, TAXIWAY, TAXILANE, OR IN ANY RELATED SAFETY, APPROACH, OR DEPARTURE AREA.
- (E) VEHICLES, EQUIPMENT, EXCAVATION, STOCKPILES, OR OTHER MATERIALS WHICH COULD INTERFERE WITH ELECTRONIC SIGNALS FROM RADIOS OR ELECTRONIC NAVIGATIONAL AIDS (NAVAIDS).

- (F) PAVEMENT DROP-OFFS - LIPS (EITHER PERMANENT OR TEMPORARY, WHICH COULD CAUSE DAMAGE TO AIRCRAFT IF CROSSED AT NORMAL OPERATING SPEEDS, THE NORMAL MAXIMUM DROP-OFF OR LIP IS 1-1/2 INCHES.
- (G) UNMARKED UTILITY, NAVAID, WEATHER SERVICE, RUNWAY LIGHTING, OR OTHER POWER OR SIGNAL CABLES THAT COULD BE DAMAGED DURING CONSTRUCTION.
- (H) OBJECTS, WHETHER OR NOT MARKED OR FLAGGED, OR ACTIVITIES ANYWHERE ON OR IN THE VICINITY OF THE AIRPORT WHICH COULD BE DISTRACTING, CONFUSING, OR ALARMING TO PILOTS DURING AIRCRAFT OPERATIONS.

- (I) UNFLAGGED/UNLIGHTED LOW VISIBILITY ITEMS SUCH AS TALL CRANES, DRILLS, AND THE LIKE ANYWHERE IN THE VICINITY OF ACTIVE RUNWAYS, OR IN ANY APPROACH OR DEPARTURE AREA.
- (J) MISLEADING OR MALFUNCTIONING OBSTRUCTION LIGHTS OR UNLIGHTED/UNMARKED OBSTRUCTIONS IN THE APPROACH TO ANY ACTIVE RUNWAY.

- (K) WATER, SNOW, DIRT, DEBRIS, OR OTHER TRANSIENT ACCUMULATION WHICH TEMPORARILY OBSCURES PAVEMENT MARKINGS OR PAVEMENT EDGES, OR DEGRADATES VISIBILITY OF RUNWAY/TAXIWAY MARKINGS OR LIGHTING.

- (L) INADEQUATE OR IMPROPER METHODS OF MARKING, BARRICADING, AND LIGHTING OF TEMPORARILY CLOSED PORTIONS OF THE AIRPORT OPERATING AREAS.

- (M) TRASH OR OTHER MATERIALS WITH FOREIGN OBJECT DAMAGE (FOD) POTENTIAL; WHETHER ON RUNWAYS, TAXIWAYS, OR APRONS; OR IN RELATED SAFETY AREAS.

- (N) INADEQUATE BARRICADING OR OTHER MARKING WHICH IS PLACED TO SEPARATE CONSTRUCTION OR MAINTENANCE AREAS FROM OPEN AIRCRAFT OPERATING AREAS.

- (O) FAILURE TO CONTROL UNAUTHORIZED VEHICLE AND HUMAN ACCESS TO ACTIVE AIRCRAFT OPERATING AREAS.

- (P) FAILURE TO MAINTAIN RADIO COMMUNICATION BETWEEN CONSTRUCTION/MAINTENANCE VEHICLES AND RUTLAND UNICOM.

- (Q) CONSTRUCTION/MAINTENANCE ACTIVITIES OR MATERIALS WHICH COULD HAMPER THE RESPONSE OF AIRCRAFT RESCUE AND FIRE FIGHTING (ARFF) EQUIPMENT FROM REACHING ALL AIRCRAFT OR ANY PART OF THE RUNWAY/TAXIWAY SYSTEM, RUNWAY APPROACH AND DEPARTURE AREAS AND AIRCRAFT PARKING LOCATIONS.

- (R) BIRD ATTRACTANTS ON AIRPORT SUCH AS: EDIBLES (FOOD SCRAPS, ETC.), MISCELLANEOUS TRASH, OR PONDED WATER.

- (2) THE CONTRACTOR SHALL CONDUCT ACTIVITIES SO AS NOT TO VIOLATE ANY SAFETY STANDARDS CONTAINED HEREIN. THE CONTRACTOR SHALL INSPECT ALL CONSTRUCTION AND STORAGE AREAS AS OFTEN AS NECESSARY AND PROMPTLY TAKE ALL STEPS NECESSARY TO PREVENT/REMEDY ANY UNSAFE OR POTENTIALLY UNSAFE CONDITIONS OR ACTIVITIES DISCOVERED.

- (3) VTRANS WILL BE RESPONSIBLE FOR ISSUING APPROPRIATE NOTICE TO AIRMEN (NOTAM) CONCERNING CONSTRUCTION ACTIVITY ON THE AIRFIELD.

(D) MOTORIZED VEHICLES

THIS PROJECT INCLUDES WORK WITHIN THE AIRCRAFT OPERATIONS AREA (AOA). ALL PERMITTED VEHICLES SHALL BE EQUIPPED WITH A FLASHING AMBER (YELLOW) DOME-TYPE LIGHT, MOUNTED ON TOP OF THE VEHICLE AND OF SUCH INTENSITY TO CONFORM TO LOCAL CODES FOR MAINTENANCE AND EMERGENCY VEHICLES. ALL VEHICLES OPERATING WITHIN THE AIRFIELD BOUNDARY SHALL BE IDENTIFIED WITH A SIGN ON EACH SIDE OF THE VEHICLE BEARING THE CONTRACTOR'S NAME IN 12-INCH MINIMUM LETTER HEIGHT.

VEHICLES MAKING ONLY OCCASIONAL VISITS TO THE JOB SITE ARE EXEMPT FROM THE IDENTIFICATION REQUIREMENTS CONTAINED HEREIN ABOVE PROVIDED THAT THEY ARE ESCORTED INTO, THROUGH, AND OUT OF THE AIRPORT AREA BY A PROPERLY IDENTIFIED VEHICLE.

(E) RADIO COMMUNICATIONS

RADIO COMMUNICATIONS ARE REQUIRED BETWEEN THE CONTRACTOR'S REPRESENTATIVE AND RUTLAND UNICOM. RADIO CONTACT IS REQUIRED AT ALL TIMES WHILE THE CONTRACTOR HAS PERSONNEL AND EQUIPMENT ON THE PROJECT SITE AND WHILE THEY ARE IN AN ACTIVE AIR OPERATIONS AREA (AOA) OF THE AIRPORT. RADIOS SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL BE CAPABLE OF TRANSMITTING AND RECEIVING AT A GROUND CONTROL FREQUENCY OF 122.8 MHZ. THIS FREQUENCY IS TO BE UTILIZED WHEN CROSSING ACTIVE FACILITIES. SUFFICIENT RADIOS SHALL BE ON SITE AND OPERATING AT ALL TIMES SO THAT INSTRUCTIONS OR COMMUNICATIONS MAY BE DISPATCHED TO ALL CREWS AND/OR EQUIPMENT WORKING IN AN ACTIVE AOA.

(F) DEBRIS

DEBRIS, WASTE, AND LOOSE MATERIAL (INCLUDING DUST AND DIRT) CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR OR PROPELLERS, OR BEING INGESTED IN JET ENGINES, SHALL NOT BE ALLOWED ON ACTIVE AIRCRAFT MOVEMENT AREAS OR ADJACENT GRASSED AREAS. MATERIALS OBSERVED TO BE WITHIN THESE AREAS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO HAVE A SWEEPING MACHINE AND OPERATOR ON SITE AND READY AT ALL TIMES DURING CONSTRUCTION ACTIVITY. WHERE TRAVEL ON OR ACROSS RUNWAYS, RAMP AREAS, TAXIWAYS, OR AIRCRAFT APRONS IS REQUIRED, THE CONTRACTOR SHALL PROVIDE ADEQUATE PERSONNEL AND EQUIPMENT TO KEEP SUCH SURFACES CLEAR OF DEBRIS.

(G) FLAGGERS

IN ACCORDANCE WITH THE SPECIFICATIONS, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, FURNISH FLAGGERS AS NECESSARY TO CONTROL HIS TRAFFIC.

ALL CONTRACTOR VEHICLES THAT ARE REQUIRED TO CROSS ACTIVE RUNWAYS, RUNWAY SAFETY AREAS, TAXIWAYS AND APRONS SHALL DO SO UNDER THE DIRECT CONTROL OF A COMPETENT FLAGGER WHO IS IN DIRECT RADIO CONTACT WITH GROUND CONTROL. ALL AIRCRAFT TRAFFIC ON RUNWAYS, TAXIWAYS, AND APRONS SHALL HAVE PRIORITY OVER CONTRACTOR'S TRAFFIC. AT NO TIME SHALL THE CONTRACTOR'S VEHICLES OR PERSONNEL BE ALLOWED TO ENTER OR CROSS ACTIVE RUNWAYS OR CLEAR ZONES WITHOUT PROPER AUTHORIZATION.

(H) MISCELLANEOUS

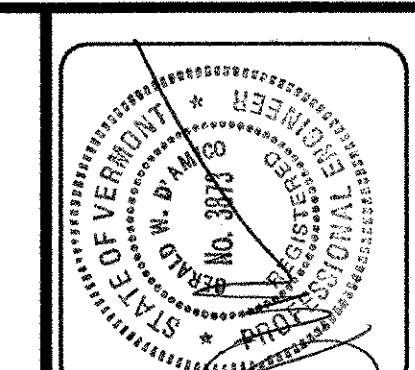
- (1) OPEN FLAME, WELDING OR TORCH CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN TAKEN AND THE PROCEDURE PREVIOUSLY APPROVED BY THE ENGINEER.
- (2) EQUIPMENT AND STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT RESULTING FROM AIRCRAFT JET BLAST OR WIND CONDITIONS IN EXCESS OF 10 KNOTS.
- (3) THE CONTRACTOR SHALL PROVIDE BUCKET TYPE CONSTRUCTION BARRICADES WITH FLASHING RED LIGHTS AS SHOWN ON THE DRAWINGS TO DELINEATE THE WORK AREAS WHICH ARE CLOSED TO AIRCRAFT TRAFFIC. OPEN TRENCHES, EXCAVATIONS AND STOCKPILED MATERIAL LOCATED IN THE AOA SHALL BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED BY APPROVED LIGHT UNITS DURING HOURS OF LIMITED VISIBILITY AND DARKNESS.
- (4) ALL MATERIALS AND EQUIPMENT WHEN NOT IN USE SHALL BE PLACED IN APPROVED AREAS WHERE THEY WILL NOT CONSTITUTE A HAZARD TO AIRCRAFT OPERATIONS AND NOT PENETRATE CLEARANCE SURFACES. EQUIPMENT SHALL BE PARKED AT THE STAGING AREA WHEN NOT IN USE.
- (5) MAXIMUM EQUIPMENT HEIGHT SHALL NOT EXCEED 15 FEET UNLESS PRIOR APPROVAL IS OBTAINED FROM THE ENGINEER.
- (6) UPON COMPLETION OF ANY STAGE/PHASE OF WORK, THE ENGINEER WILL ARRANGE A PHYSICAL INSPECTION OF THE AREA WITH AIRPORT OPERATIONS PERSONNEL PRIOR TO OPENING ANY PORTION OF A RUNWAY, RAMP AREA OR AIRPORT ROADWAY THAT HAS BEEN CLOSED FOR WORK OR USED FOR A CROSSING POINT OR HAUL ROUTE BY THE CONTRACTOR.
- (7) ENTRANCE TO THE AIRFIELD IS SUBJECT TO SECURITY REGULATIONS.
- (8) THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A CURRENT LIST OF ALL EMPLOYEES WORKING ON THE AIRPORT. THE LIST SHALL BE MAINTAINED CURRENT BY THE CONTRACTOR AND APPLIES TO ALL SUBCONTRACTORS.
- (9) EXCEPT FOR EMERGENCIES, ALL CONTACT WITH AIRPORT PERSONNEL SHALL BE MADE THROUGH THE RESIDENT ENGINEER. FOR EMERGENCIES INVOLVING SAFETY (INJURIES, FIRES, SECURITY BREACHES, ETC.) THE CONTRACTOR SHALL MAKE DIRECT CONTACT WITH AIRPORT OPERATIONS FOLLOWED BY NOTIFICATION TO THE RESIDENT ENGINEER AS SOON AS POSSIBLE.
- (10) THE CONTRACTOR SHALL PROVIDE THE PHONE NUMBERS OF THREE PERSONNEL, INCLUDING THE PROJECT SUPERINTENDENT, WHO MAY BE CONTACTED IN AN EMERGENCY. PERSONNEL SHALL BE ON CALL 24 HOURS PER DAY FOR MAINTAINING AIRPORT HAZARD LIGHTING AND BARRICADES.
- (11) IN ACCORDANCE WITH THE SPECIFICATIONS, FEDERAL WAGE RATES SHALL BE POSTED OUTSIDE THE PROJECT FIELD OFFICE IN A WEATHERPROOF ENCLOSURE.

(I) UTILITIES

UNDERGROUND UTILITIES: THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE CONSIDERED TO BE ONLY ESTIMATED LOCATIONS. ALL UTILITY LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. IN THE EVENT ANY UTILITY IS DAMAGED THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING FOR INCURRED COSTS OF REPAIRS.

- (2) UTILITIES NOTIFICATION: AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER, AND THE OWNER OF EACH UNDERGROUND UTILITY FACILITY AFFECTED.
- (3) THE FOLLOWING IS A LIST OF COMPANIES WITH POSSIBLE UTILITIES WITHIN THE CONSTRUCTION LIMITS.

| UTILITY | PHONE NUMBER |
|---------|----------------|
| DIGSAFE | 1-888-DIG-SAFE |
| CVPS | 1-800-649-2877 |



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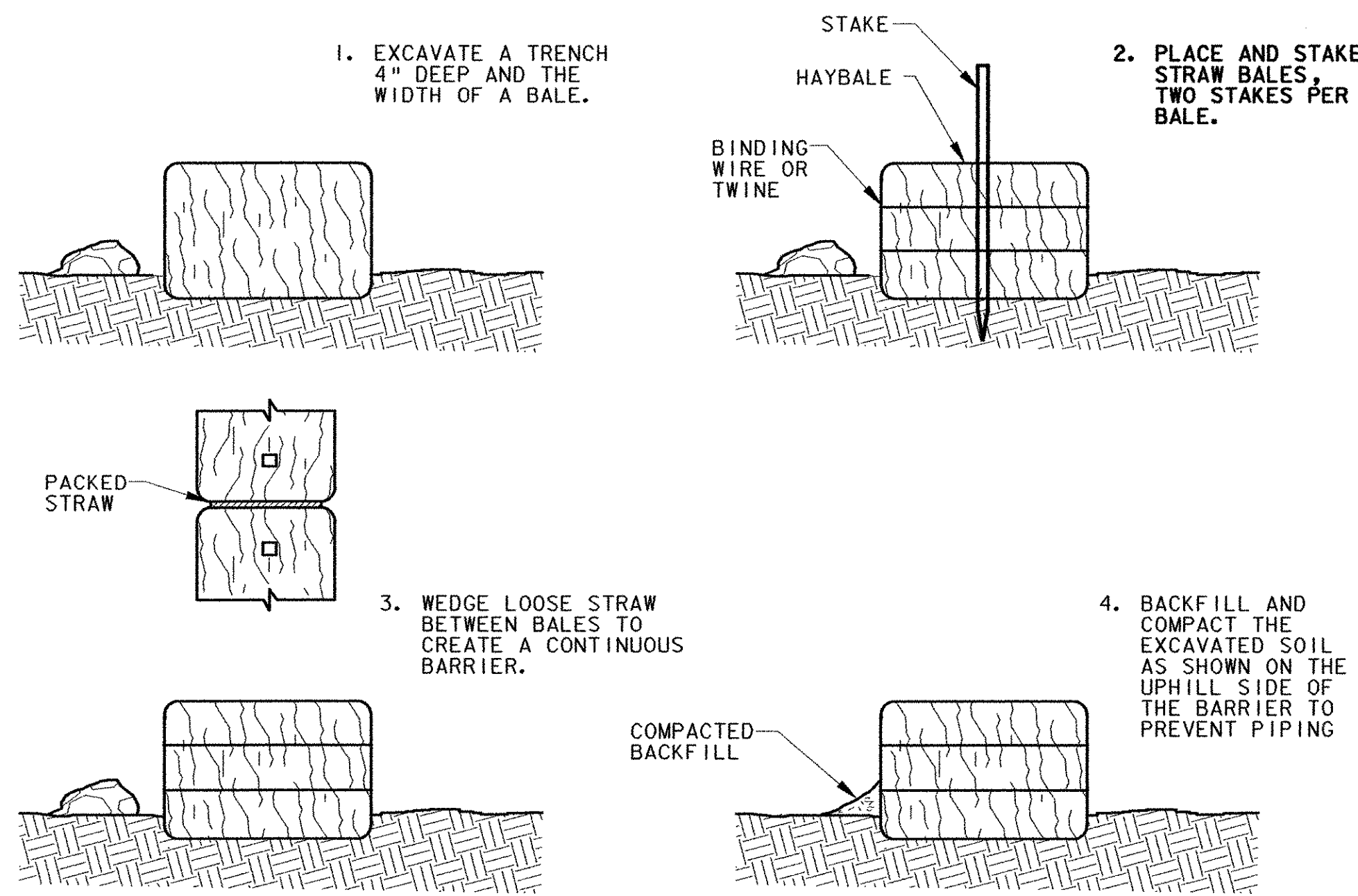
RUTLAND STATE AIRPORT
CLARENDON, VERMONT

GENERAL CONSTRUCTION & SAFETY NOTES

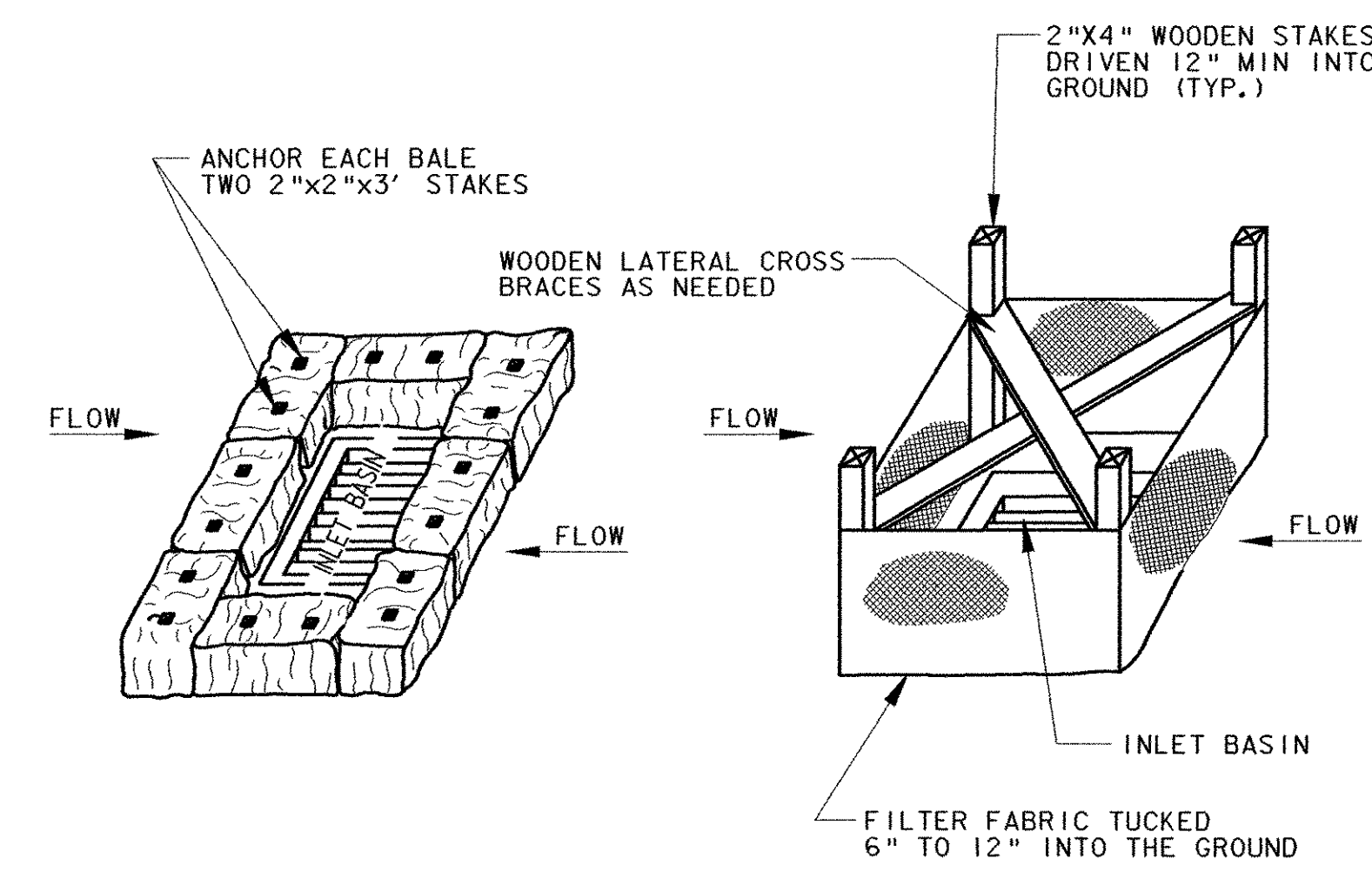
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1 NORTHWAY LN.
LATHAM, NEW YORK

Designed by: G.M.D.
Drawn by: C.L.S.
Checked by: M.K.C.
Approved by: G.W.D.

Scale: NTS
Date: MAR, 2003
Sheet 4 OF 8
Sheet No **4**



SEDIMENTATION BARRIER - HAYBALE
ITEM 651.26
 NOT TO SCALE



HAY BALE INSTALLATION
 ITEM 651.26

SILT FENCE INSTALLATION
 ITEM 649.51

SEDIMENTATION CONTROL
INLET PROTECTION
 NOT TO SCALE

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 SHALL ENSURE THAT ALL RUNOFF FROM DISTURBED AREAS IS DIRECTED TO THE SEDIMENT CONTROL DEVICES, AND SHALL NOT REMOVE ANY EROSION OR SEDIMENT CONTROL MEASURE WITHOUT PRIOR PERMISSION FROM 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 THEY ARE REMOVED.
3. THE CONTRACTOR SHALL APPLY SEED AND MULCH, OR OTHER APPROVED STABILIZATION MEASURES TO ALL DISTURBED AREAS AND STOCKPILES WITHIN FOURTEEN (14) CALENDAR DAYS AFTER STRIPPING AND GRADING ACTIVITIES HAVE CEASED IN THE AREA. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION. PERMANENT SOIL STABILIZATION SHALL BE PROVIDED WITHIN SEVEN (7) DAYS OF ESTABLISHMENT OF FINAL GRADE.
4. THIS EROSION CONTROL PLAN SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN EACH 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 VT. GEOLOGICAL SURVEY.
5. DURING THE PERIOD OF CONSTRUCTION ACTIVITY, ALL EROSION CONTROL 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 VT AGENCY OF TRANSPORTATION.
6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE REMOVED AND DISPOSED OF WITHIN THIRTY (30) 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. STREAMS, INCLUDING BED AND BANKS, SHALL BE RESTABILIZED 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 COURSE OR INTO SUCH PROXIMITY THAT IT MAY READILY SLOUGH, SLIP, OR ERODE INTO A WATER COURSE UNLESS SUCH DUMPING OR PLACING IS AUTHORIZED BY THE ENGINEER AND, WHEN APPLICABLE, 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 BELOW. TEMPORARY AND PERMANENT SEEDING SHALL CONSIST OF FERTILIZING, LIMING, MULCHING AND SEEDING PLACED AT RATES IN ACCORDANCE WITH THE SPECIFICATIONS. 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.

TURF ESTABLISHMENT SHALL CONFORM TO:

1. SEED, ITEM 651.15, TO BE APPLIED AS DIRECTED BY THE ENGINEER. SEED MIXTURE SHALL CONFORM TO VERMONT CONSERVATION MIX AND SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND FREE OF ALL NOXIOUS SEED.
2. HAY MULCH, ITEM 651.25, TO BE PLACED ON EARTH SLOPES AS DIRECTED BY THE ENGINEER.
3. FERTILIZER, ITEM 651.18 TO BE PLACED AT RATE OF 500 POUNDS/ACRE WHERE DIRECTED BY THE ENGINEER.
4. AGRICULTURAL LIMESTONE, ITEM 651.20, TO BE PLACED AT RATE OF 2 TONS/ACRE WHERE DIRECTED BY THE ENGINEER.
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 DOWNSLOPE 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. WHEN DIRECTED BY THE ENGINEER. ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS IN UNPAVED AREAS SHALL BE STABILIZED TO PREVENT TRACKING OF MUD ONTO PUBLIC ROADWAYS (NOT A SEPARATE PAY ITEM).
13. IF ROADWAYS ACCUMULATE DEBRIS, THE CONTRACTOR SHALL USE A POWER BROOM TO REMOVE THE SEDIMENT TO THE SATISFACTION OF THE ENGINEER (NOT A SEPARATE PAY ITEM).
14. TOPSOIL (TO BE STOCKPILED ON SITE) 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.

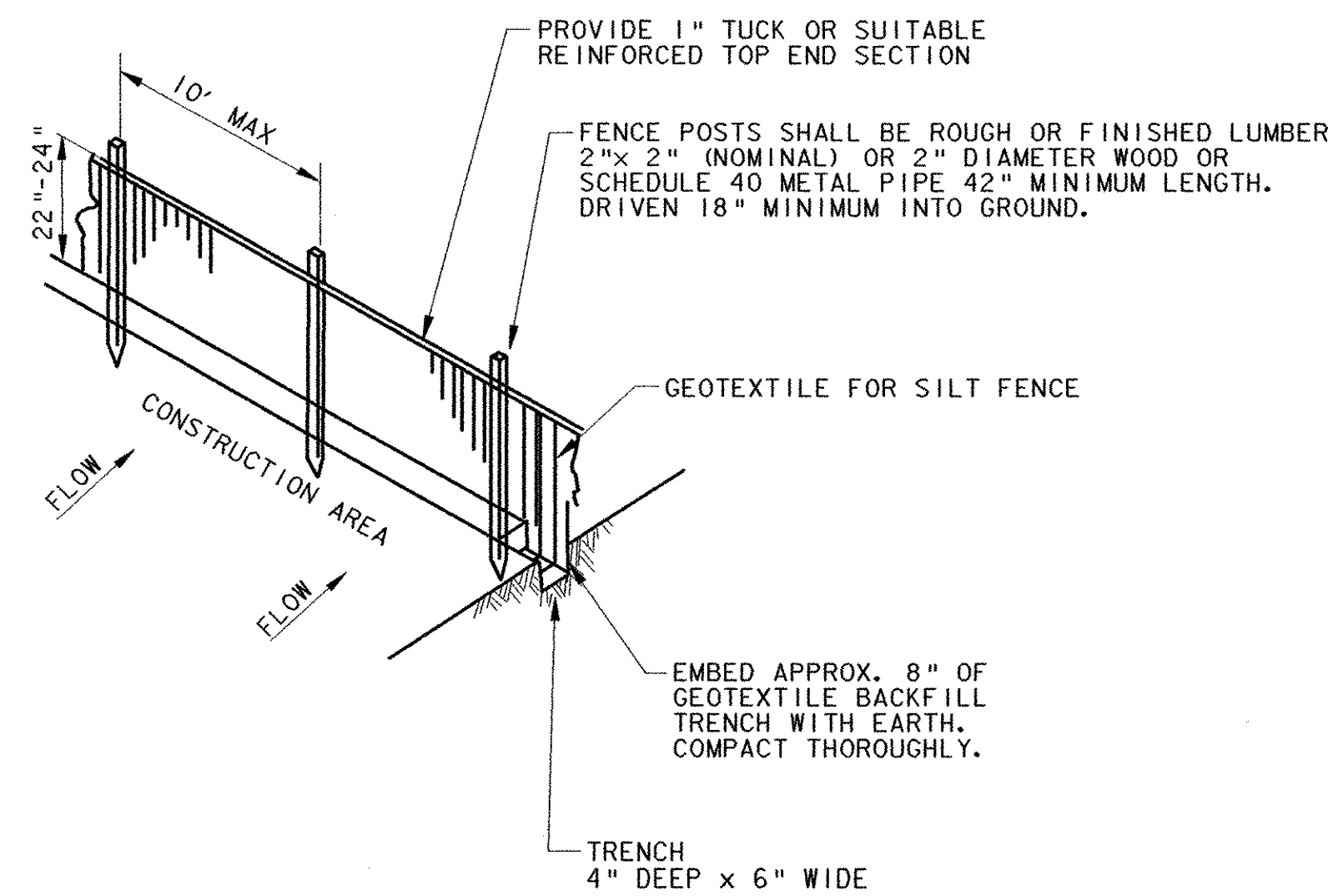
SITE DATA

PROJECT DESCRIPTION:
 AIRPORT DEVELOPMENT TO INCLUDE CLEARING AND GRUBBING, SITING, AND UTILITIES.

EXISTING SOIL TYPES:

AIRPORT: CLARENDON, VERMONT
 -BROWN SILTY LOAM, UDORTHENTS
 -INFORMATION OBTAINED FROM HISTORICAL BORINGS & SOIL CONSERVATION SERVICE DATA SHEETS.
 -APPROXIMATELY 3" OF TOPSOIL

FAN MARKER: SILTY SANDS



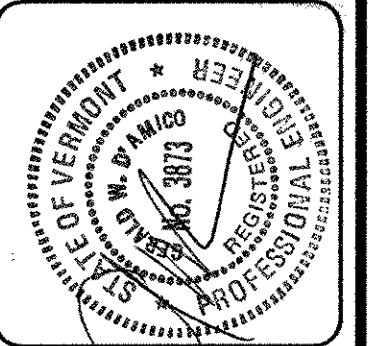
NOTE:

1. GEOTEXTILE FABRIC TO BE FASTENED SECURELY TO FENCE POST BY USE OF WIRE TIES, 3 FASTENERS PER POST.
2. ENDS OF INDIVIDUAL ROLLS OF GEOTEXTILE SHALL BE SECURELY FASTENED TO A COMMON POST OR OVERLAPPED 3' (MIN).
3. TO BE PLACED AT LOCATIONS SHOWN ON PLANS OR AS ORDERED BY THE ENGINEER.

PLAN VIEW SYMBOL



SILT FENCE ITEM 649.51
 NOT TO SCALE



| | | |
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| REV. | DATE | DESCRIPTION |
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| | | |

Job No. F20002046.00
 File No. F2002046006060

RUTLAND STATE AIRPORT
 CLARENDON, VERMONT

SEDIMENT / EROSION CONTROL DETAILS

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 LATHAM, NEW YORK

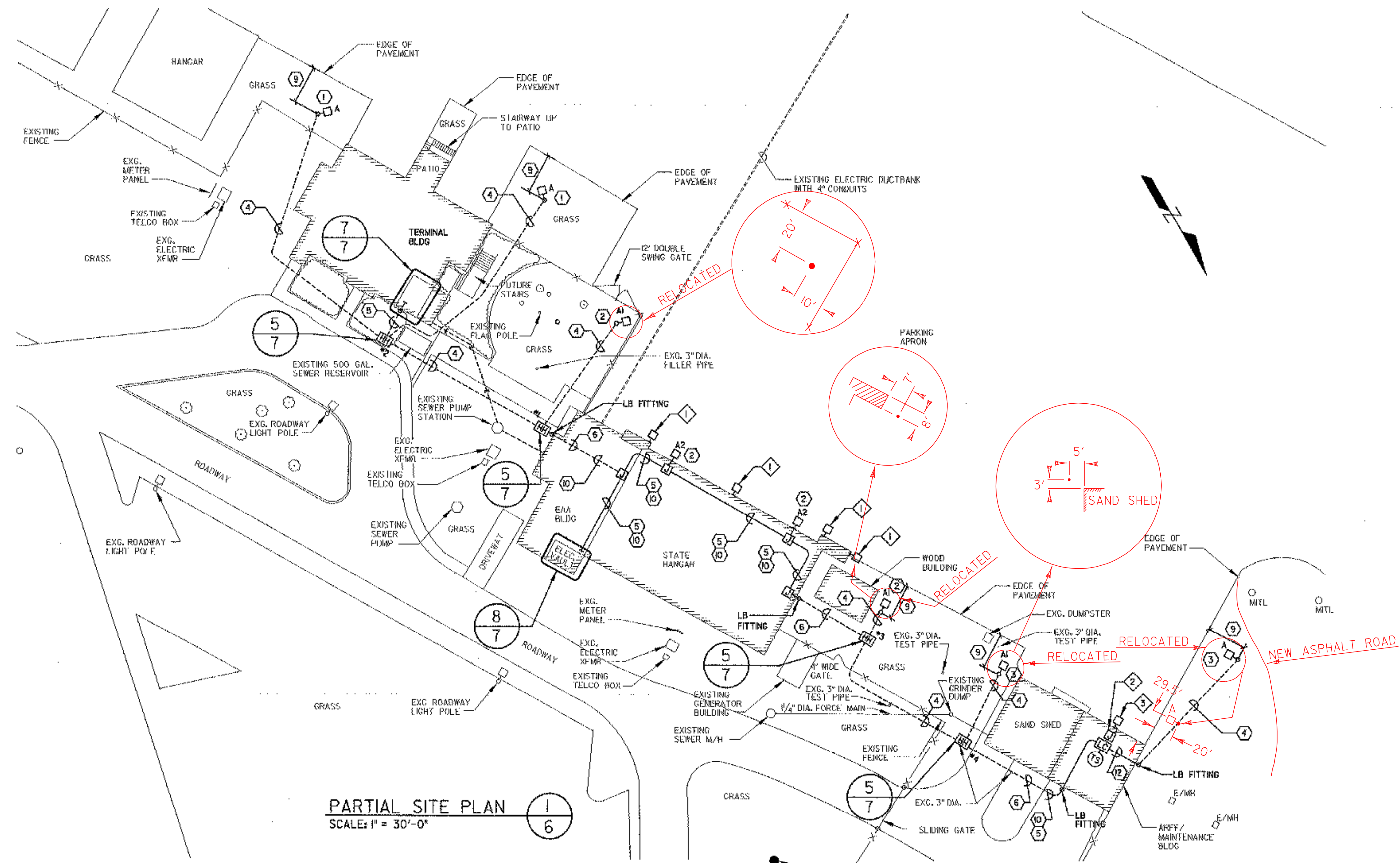
Designed by: G.W.D.
 Drawn by: M.C.M.
 Checked by: M.A.C.
 Approved by: G.W.D.

Scale: N.T.S.
 Date: MAR., 2003
 Sheet 5 OF 8
 Sheet No

5

| SYMBOLS | |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SYMBOL | DESCRIPTION |
| | EXISTING BUILDING OUTLINE |
| | PROPOSED LIGHTING CONTACTOR (SQUARE 'O' #8903LXG40V02) MOUNTED 60" AFF |
| | PROPOSED TIME CLOCK (TORK #T920L) MOUNTED 60" AFF |
| | PROPOSED PHOTOELECTRIC CELL (TORK #2105) MOUNTED 15'-0" AFG |
| | PROPOSED POLE MOUNTED FLOODLIGHT, FIXTURE TYPE DENOTED. SEE DETAIL 4/7 FOR ADDITIONAL INFORMATION. |
| | PROPOSED WALL MOUNTED FLOODLIGHT, FIXTURE TYPE DENOTED. SEE DETAIL 3/7 FOR ADDITIONAL INFORMATION. |
| | PROPOSED JUNCTION BOX. |
| | NEW STACKABLE HANDHOLE (QUAZITE #PC08189G08), SEE DETAIL 5/7 FOR ADDITIONAL INFORMATION. |
| | NEW UNDERGROUND ELECTRICAL CONDUIT, SEE DETAIL 1/7 FOR ADDITIONAL INFORMATION. |
| | EXPOSED ELECTRICAL CONDUIT. |
| | CIRCUIT BREAKER |
| | NORMALLY OPEN CONTACT |
| | RELAY COIL |
| | DEMOLITION NOTE |
| | CONSTRUCTION NOTE |
| | TORK #AS12HH 12-HOUR TIME SWITCH IN NEMA ENCLOSURE FOR APRON LIGHTING OVERIDE. MOUNT ADJACENT TO LIGHTING CONTACTOR AND LABEL "APRON LIGHTING OVERIDE SWITCH". |

| ABBREVIATIONS | |
|---------------|-----------------------------------|
| ABBREVIATION | EXTENSION |
| A | AMPERE |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| AIC | AMPERE INTERRUPTING CAPACITY |
| AWG | AMERICAN WIRE GAGE |
| C | CONDUIT |
| C/B | CIRCUIT BREAKER |
| CKT | CIRCUIT |
| DIA. | DIAMETER |
| E | ELECTRICAL |
| EAA | EXPERIMENTAL AIRCRAFT ASSOCIATION |
| EMT | ELECTRICAL METALLIC TUBING |
| EXG | EXISTING |
| G | GROUND |
| GA | GAGE |
| GFI | GROUND FAULT INTERRUPTER |
| GRC | GALVANIZED RIGID CONDUIT |
| HPS | HIGH PRESSURE SODIUM |
| HH | HAND HOLD |
| K | KELVIN OR THOUSAND |
| KV | KILO-VOLT |
| KVA | KILO-VOLT-AMPERE |
| KW | KILO-WATT |
| LC | LIGHTING CONTACTOR |
| LP | LIGHT PANEL |
| MDP | MAIN DISTRIBUTION PANEL |
| MH | MANHOLE |
| O.C. | ON CENTER |
| O.D. | OUTSIDE DIAMETER |
| PCC | PORTLAND CEMENT CONCRETE |
| PP | POWER PANEL |
| PVC | POLYVINYL CHLORIDE |
| T, TX | TRANSFORMER |
| TC | TIME CLOCK |
| TYP | TYPICAL |
| UNO | UNLESS OTHERWISE NOTED |
| V | VOLTS |
| VA | VOLT-AMPERE |
| W | WATT OR WIRE |
| WP | WEATHERPROOF |
| XFMR | TRANSFORMER |



| LIGHTING FIXTURE SCHEDULE | | | | | |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------|---------------|---------|
| TYPE | DESCRIPTION | MANUFACTURER & CATALOG NO. | VOLTAGE | LAMPS | REMARKS |
| A | POLE MOUNTED FLOODLIGHT, SINGLE HEAD, WITH DIE-CAST ALUMINUM HOUSING, TEMPERED GLASS LENS, TYPE 4 DISTRIBUTION, HID LAMP & INTEGRAL HPF BALLAST, PROVIDE 30' ROUND TAPERED STEEL POLE WITH 2 3/8" TENON. | LUMARK *HPWR65S250-120 COOPER LIGHTING (POLE) *RTSBA30SF2XX | 120 | Ø 250W HPS | 1,2 |
| A1 | POLE MOUNTED FLOODLIGHT, SINGLE HEAD, WITH DIE-CAST ALUMINUM HOUSING, TEMPERED GLASS LENS, TYPE 4 DISTRIBUTION, HID LAMP & INTEGRAL HPF BALLAST, PROVIDE 30' ROUND TAPERED STEEL POLE WITH 2 3/8" TENON. | LUMARK *HPWR65S400-120 COOPER LIGHTING (POLE) *RTSBA30SF2XX | 120 | Ø 400W HPS | 1,2 |
| A2 | WALL MOUNTED FLOODLIGHT, SINGLE HEAD, WITH DIE-CAST ALUMINUM HOUSING, TEMPERED GLASS LENS, TYPE 4 DISTRIBUTION, HID LAMP & INTEGRAL HPF BALLAST, PROVIDE RIGHT ANGLE BRACKET FOR MOUNTING ON THE EXTERIOR OF HANGER. | LUMARK *HPWR65S400-120/RAB | 120 | Ø 400W HPS | 1,2,3 |

NOTES:

- OR APPROVED EQUAL, PROVIDE ALL REQUIRE MOUNTING ACCESSORIES.
- FIXTURE TO BE SET WITH 45° DOWN TILT INITIALLY, PROVIDE OPTIMAL ILLUMINATION BY AIMING FIXTURES AFTER DARK.
- INSTALL AT 25'-0" AFG.

- GENERAL NOTES:**
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE START OF WORK AND REPORT DISCREPANCIES AND CONFLICTS TO THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR IF IT IS FOUND THAT THE CONTRACTOR FAILED TO IDENTIFY THE EXISTING CONDITION.
 - CONTRACTOR ACCESS TO THE AIRSIDE WILL BE RESTRICTED TO THOSE TIMES WHEN THE AIRLINE (COLGAN AIR) IS NOT BOARDING OR DISEMBARKING PASSENGERS.
 - CONTRACTOR MUST COORDINATE ALL WORK WITH THE RESIDENT ENGINEER AND AIRPORT MANAGER. ANY INTERRUPTION OF ELECTRICAL SERVICE MUST BE COORDINATED WITH THE AIRLINE AND AIRPORT MANAGER.
 - ALL WORK IS INCLUDED IN ITEM 679J5 STREET LIGHTING (MOD.)
 - ALL EXPOSED CONDUIT IN DAMP OR WET LOCATIONS SHALL BE GRC. CONDUIT LOCATED INSIDE IN DRY LOCATIONS MAY BE EMT. EXTERIOR EXPOSED CONDUIT SHALL BE GRC TO BELOW GRADE INCLUDING THE SWEEP ELBOW.
- DEMOLITION NOTES:**
- EXISTING LIGHT FIXTURE TO BE REMOVED. REMOVE EXISTING WIRES AND CONDUIT BACK TO SOURCE. MAKE ALL BUILDING OPENINGS WATER TIGHT.
 - EXISTING J-BOX TO REMAIN.
 - EXISTING LIGHT FIXTURE TO REMAIN.

- CONSTRUCTION NOTES:**
- CONNECT TO EXISTING PANELBOARD 'LP1' LOCATED IN TERMINAL BUILDING ELECTRICAL ROOM VIA PROPOSED LIGHTING CONTACTOR TO BE MOUNTED ADJACENT TO PANELBOARD 'LP1'.
 - CONNECT TO EXISTING PANELBOARD 'M' LOCATED IN HANGAR ELECTRICAL VAULT VIA LIGHTING CONTACTOR TO BE MOUNTED ADJACENT TO PANELBOARD 'M'.
 - CONNECT TO EXISTING EXTERIOR LIGHTING CIRCUIT VIA LIGHTING CONTACTOR MOUNTED ADJACENT TO J-BOX.
 - PROVIDE 2"Ø & 1"Ø IN 1/4" PVC.
 - PROVIDE 4"Ø & 1"Ø IN 1/4" GRC.
 - PROVIDE 4"Ø & 1"Ø IN 1/4" PVC.
 - PROVIDE A 20A-1P CIRCUIT BREAKER TO SUPPORT THE INDICATED LIGHTING LOADS. MATCH EXISTING AIC RATING AND MANUFACTURER.
 - PROVIDE A 20A-1P CIRCUIT BREAKER TO SUPPORT TIME CLOCK. MATCH EXISTING AIC RATING AND MANUFACTURER.
 - 20'-0" MINIMUM SET BACK.
 - ROUTE CONDUIT ALONG WALLS OR UNDERSIDE OF STRUCTURE AS REQUIRED. COORDINATE ROUTE AND HANGAR LOCATIONS WITH EXISTING OBSTRUCTIONS.
 - CONTRACTOR TO RESTORE ALL LANDSCAPING (GRASS, WALKWAYS, ETC.) DISTURBED BY TRENCHING OR EXCAVATION (MATCH ORIGINAL CONDITIONS). RESTORATION TO INCLUDE TOPSOIL, SEED, MULCH, BITUMINOUS CONCRETE, CURBING, LANDSCAPE PAVERS OR CONCRETE, AS REQUIRED.
 - PROVIDE 2"Ø & 1"Ø IN 1/4" PVC.
 - PROVIDE 2"Ø & 1"Ø IN 3/4" GRC.

URS
1 NORTHWAY LN.,
LATHAM, NEW YORK

RUTLAND STATE AIRPORT
CLARENDON, VERMONT

APRON LIGHTING LAYOUT

Designed by: R.A.
Drawn by: M.M.
Checked by: L.M.
Approved by: G.B.D.

Scale: 1" = 30'

Date: MAR., 2005

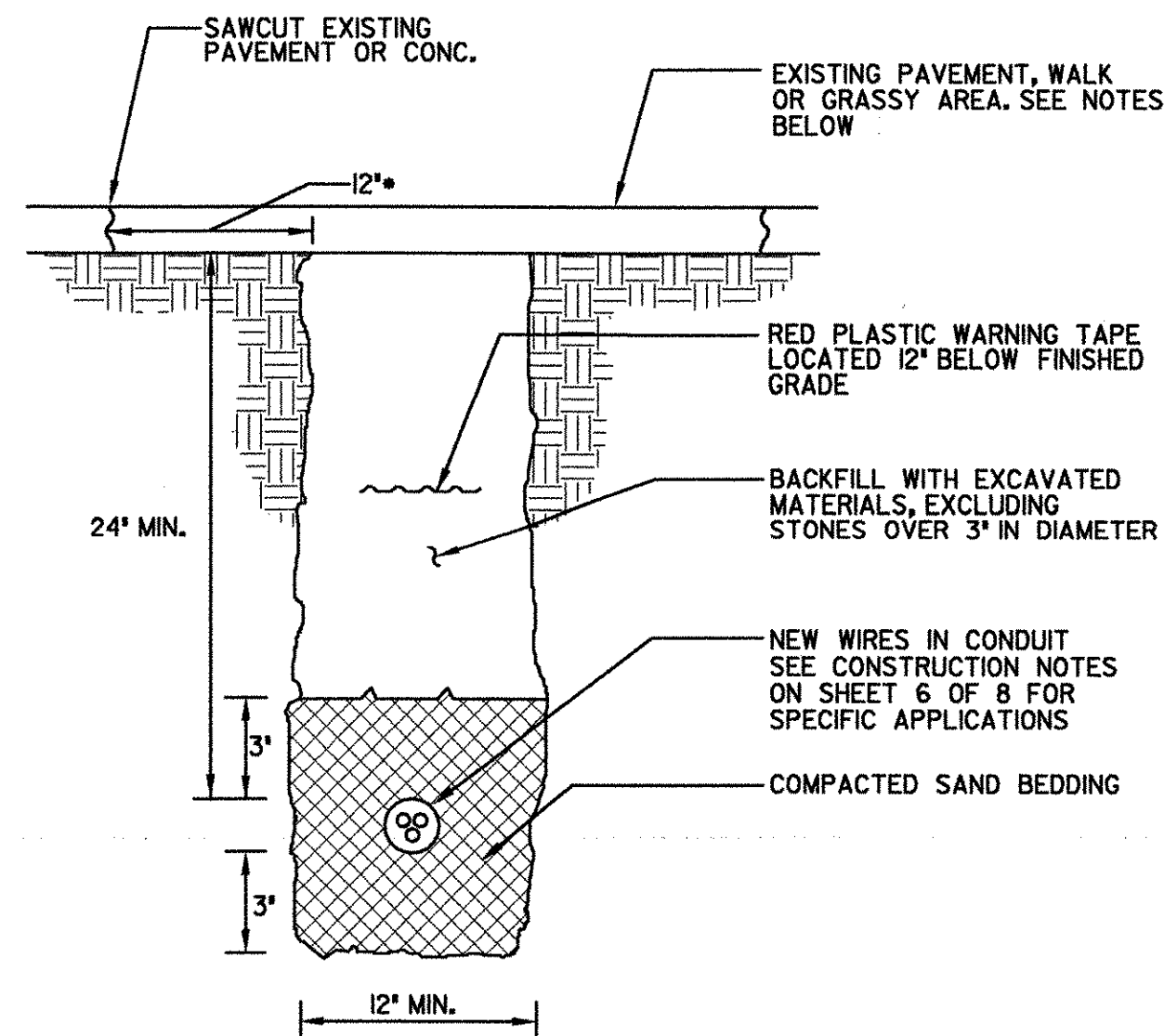
Sheet 5 OF 8

Sheet No
6

Job No. F20002046.00

File No. F2000460066C

A.I.P. 3-50-0015-16



TRENCH EXCAVATION SHALL CONSIST OF THE REMOVAL OF ALL MATERIALS, EXCAVATION, TRENCH WALL SUPPORTS, AND DEWATERING. SATISFACTORY DISPOSAL OF ALL SURPLUS OR UNSUITABLE MATERIAL, BACKFILL AND COMPACTION NECESSARY FOR THE CONSTRUCTION OF THE WORK AT THE LOCATIONS AND TO THE DIMENSIONS AS SHOWN ON THE CONTRACT DRAWINGS OR AS DIRECTED BY THE ENGINEER.

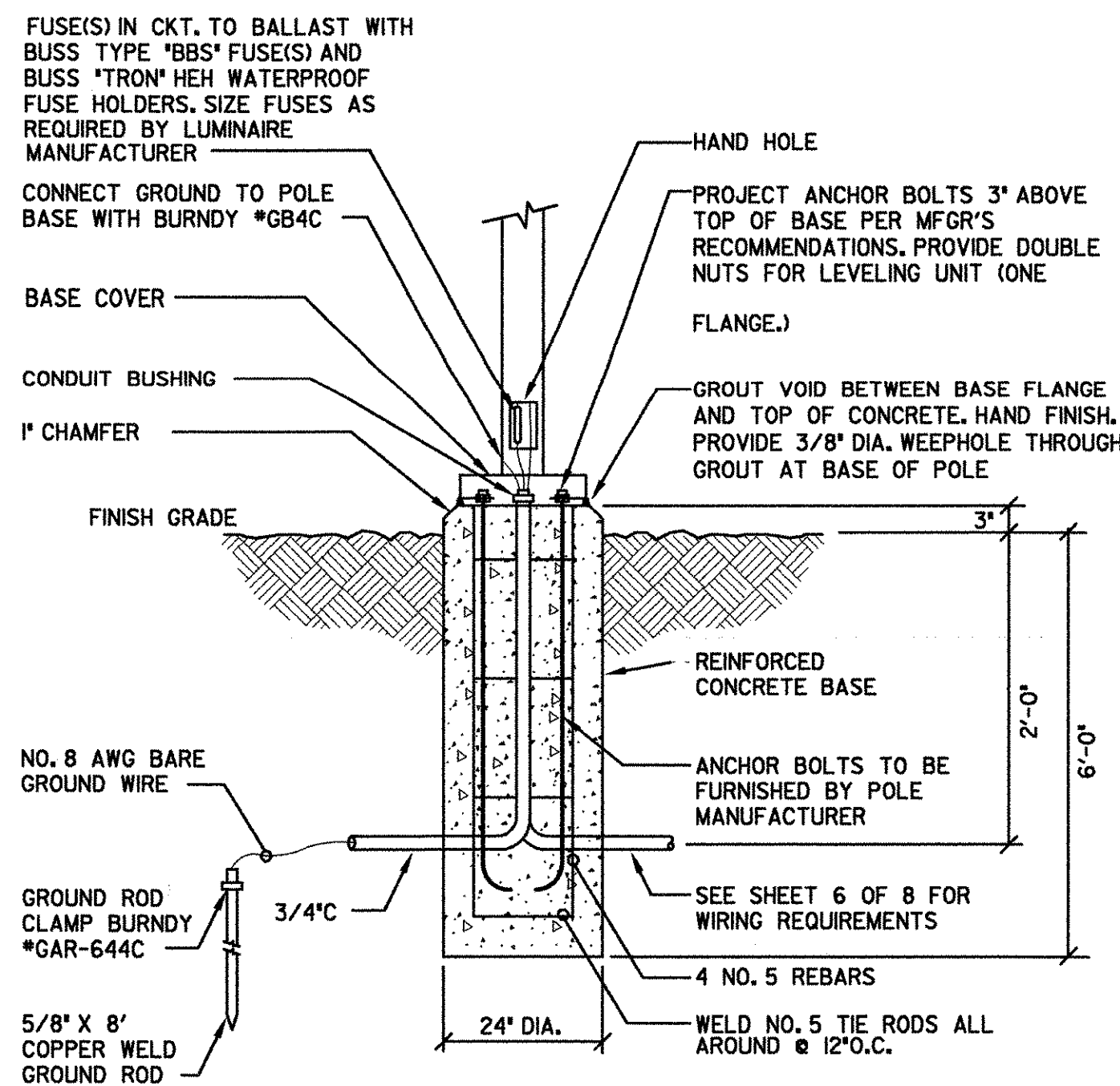
WHEN EXISTING PAVEMENT HAS BEEN REMOVED, REPLACE WITH SAME TYPE AND THICKNESS OF PAVEMENT AND BASE COURSES. IF EXCAVATION IS WITHIN GRASSY AREA, DISTURBED AREAS SHALL BE REPAIRED WITH TOPSOIL & SEED. IF EXISTING CURB IS DAMAGED OR REMOVED, REPLACE WITH SAME TYPE OF CURB TO DIMENSIONS OF EXISTING CURB. IF CONCRETE WALKS ARE DISTURBED REPLACE WITH CONCRETE TO MATCH EXISTING THICKNESS.

TRENCHES SHALL BE BACKFILLED AS SHOWN. OPEN TRENCHES SHALL BE MARKED WITH BARRICADES AND WOODEN WALKWAYS SHALL BE PROVIDED OVER OPEN TRENCHES WHERE IT IS NECESSARY TO MAINTAIN ACCESS. TEMPORARY WALKWAYS SHALL CONFORM TO ALL VOSHA CODES.

TYPICAL TRENCH DETAIL

NOT TO SCALE

1
7



POLE BASE DETAIL

NOT TO SCALE

2
7

WALL MOUNT BRACKET DETAIL
FIXTURE A2

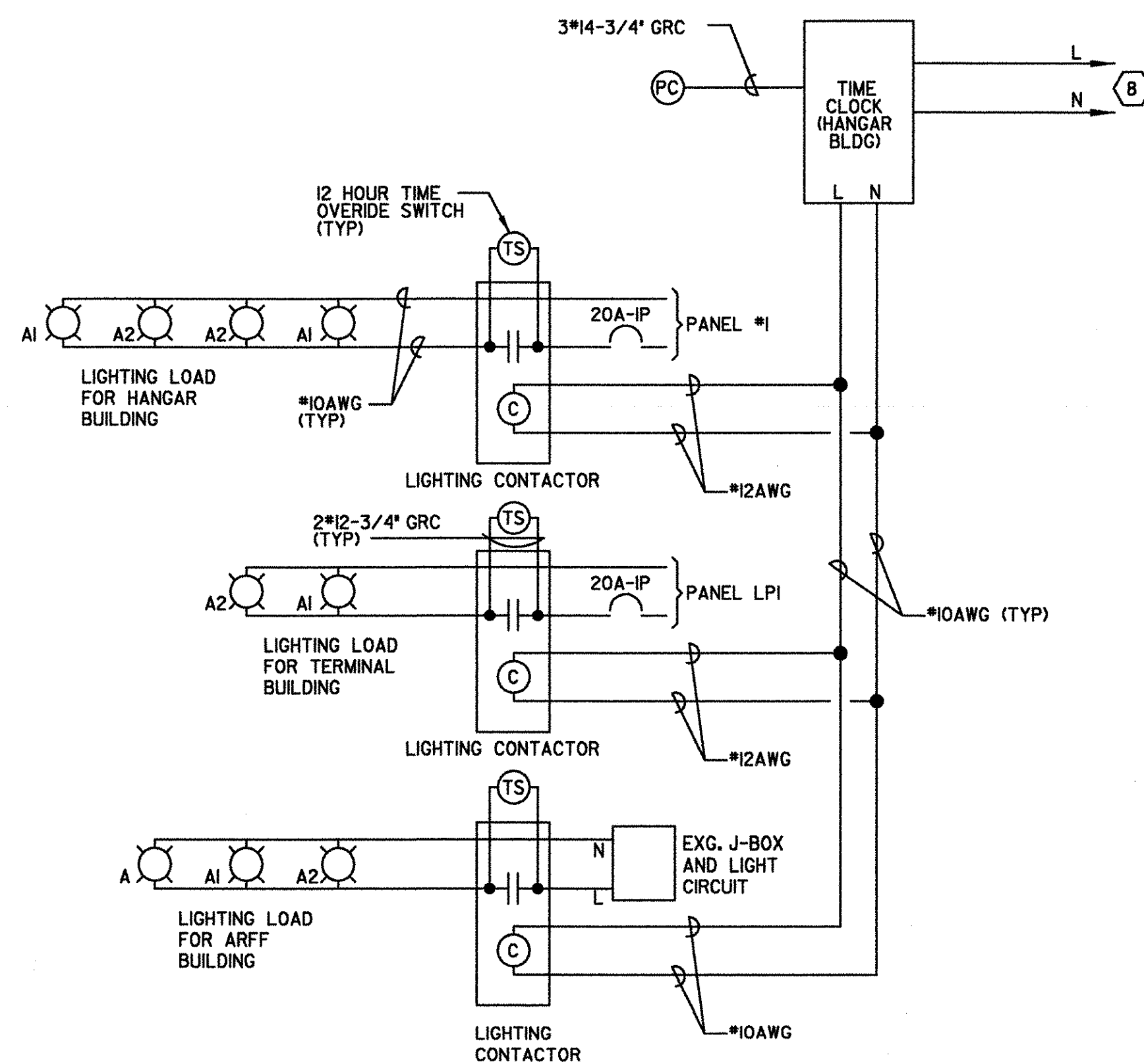
NOT TO SCALE

3
7

TYPICAL HANDHOLE DETAIL

NOT TO SCALE

5
7

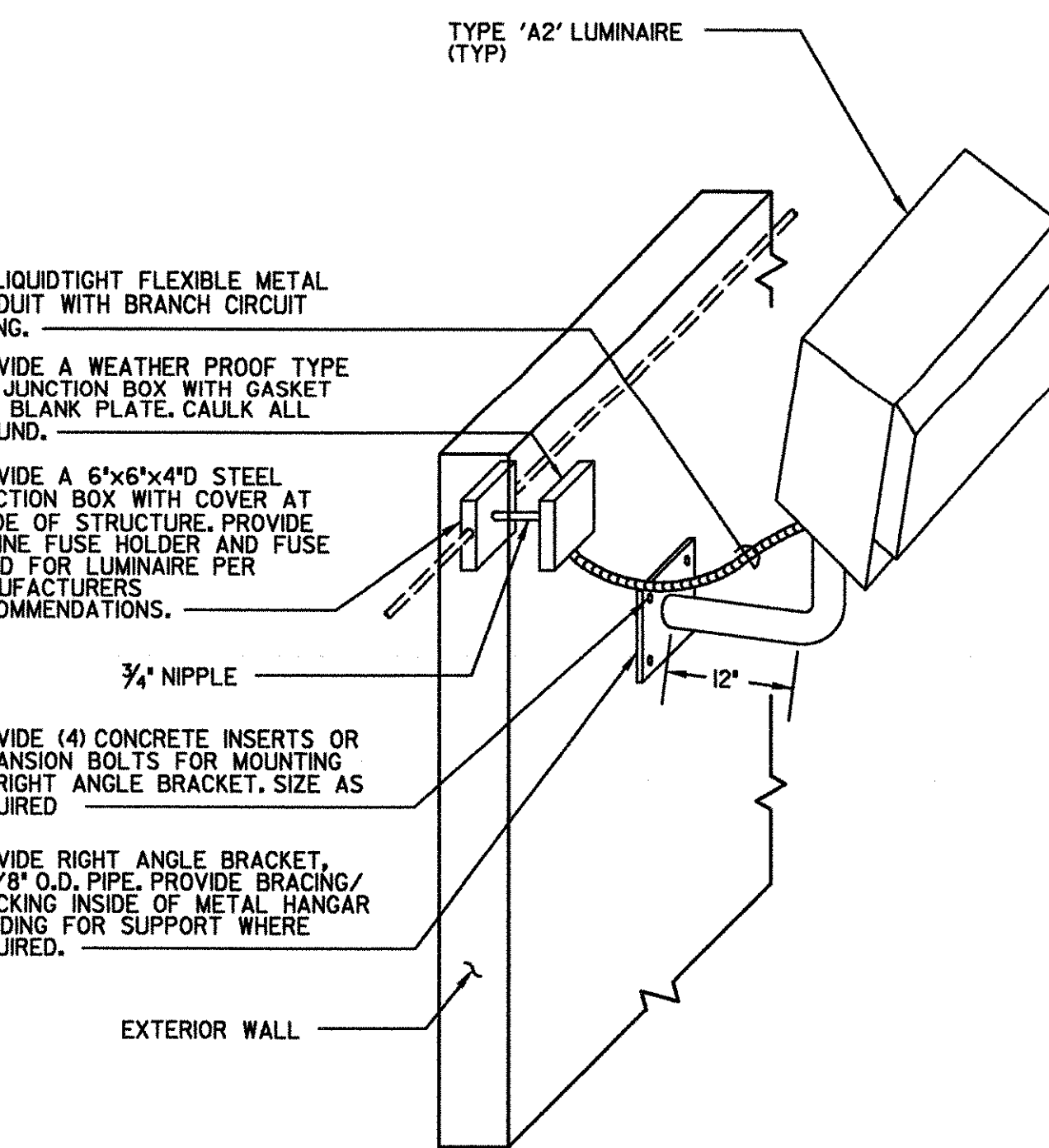


APRON LIGHTING CONTROL DIAGRAM

NOT TO SCALE

6
7

SEQUENCE OF OPERATION:
1. PHOTO CONTROL "ON" AT DUSK.
2. TIME CLOCK "OFF" AT PRESET HOUR BEFORE DAWN.



WALL MOUNT BRACKET DETAIL
FIXTURE A2

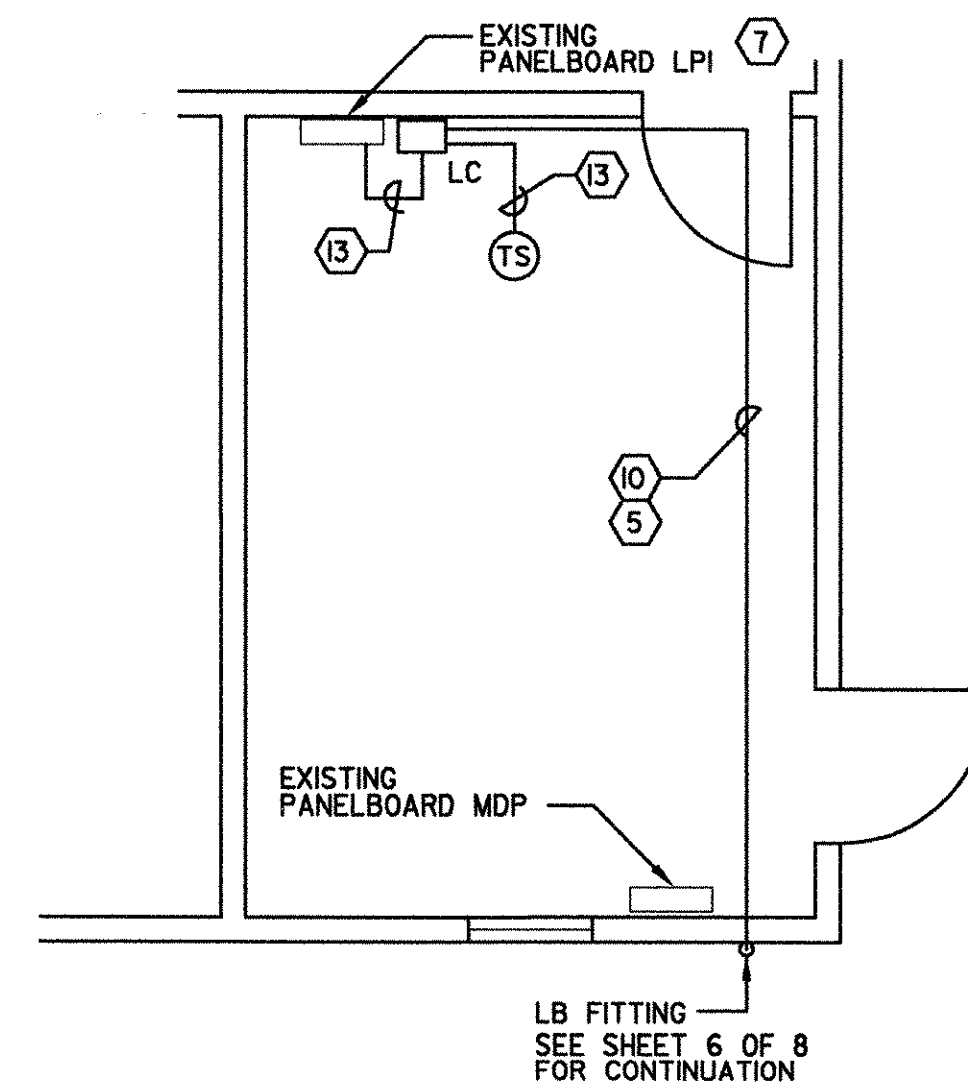
NOT TO SCALE

3
7

TENON MOUNT POLE DETAIL
FIXTURE A & AI

NOT TO SCALE

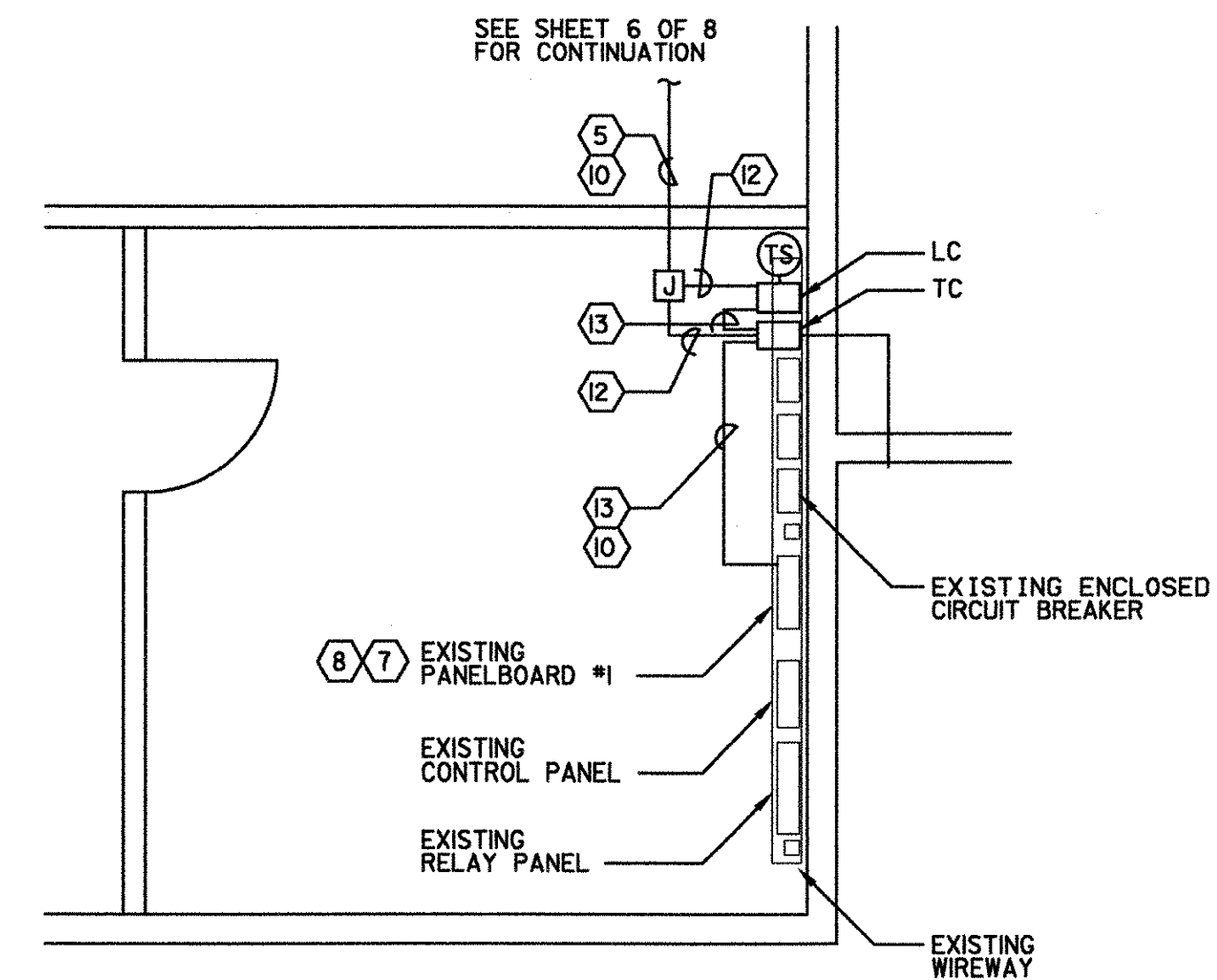
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TERMINAL BLDG ELECTRIC ROOM

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

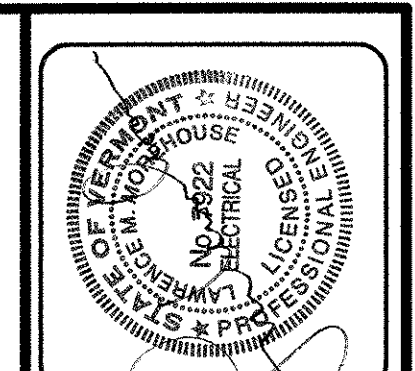
7
7



HANGAR ELECTRIC VAULT

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

8
7



| REV. | DATE | DESCRIPTION |
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Job No. F200002046.00
File No. F20204600d87c

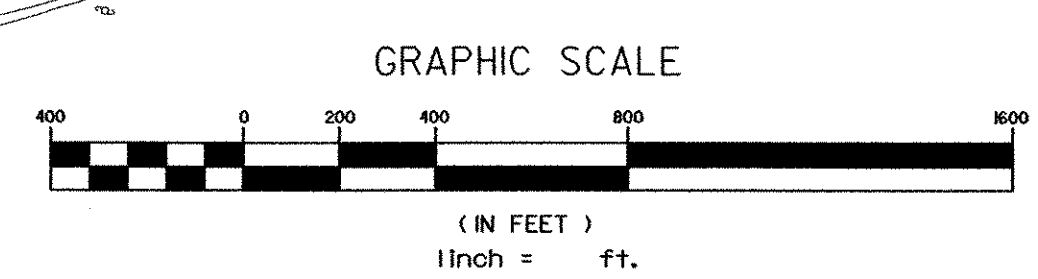
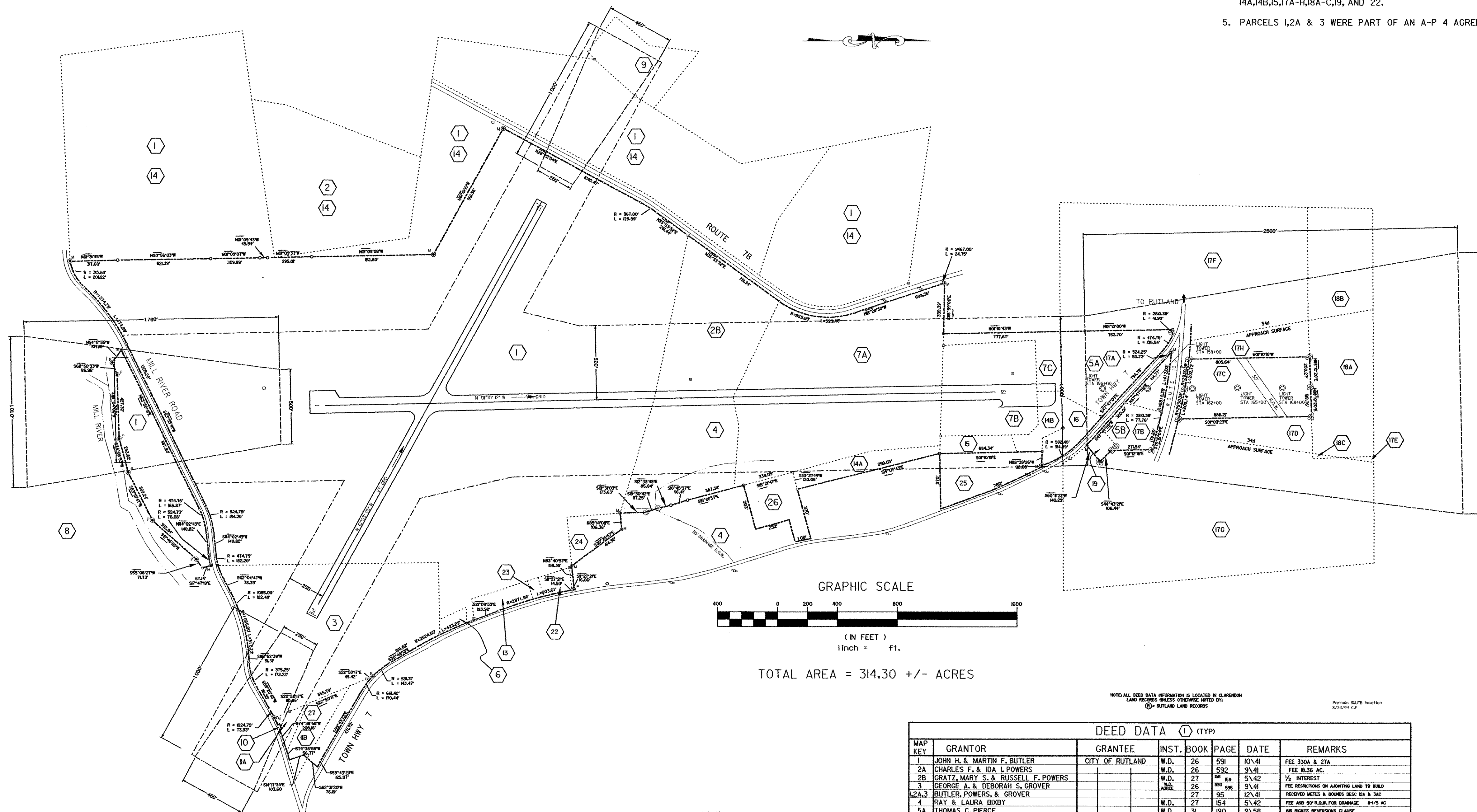
RUTLAND STATE AIRPORT
CLARENDON, VERMONT

APRON LIGHTING DETAILS

URS
1 NORTHWAY LN.
LATHAM, NEW YORK

Designed by R.A.
Drawn by M.C.M.
Checked by L.M.
Approved by G.W.D.

Scale: AS SHOWN
Date: MAR., 2003
Sheet 7 OF 8
Sheet No
7



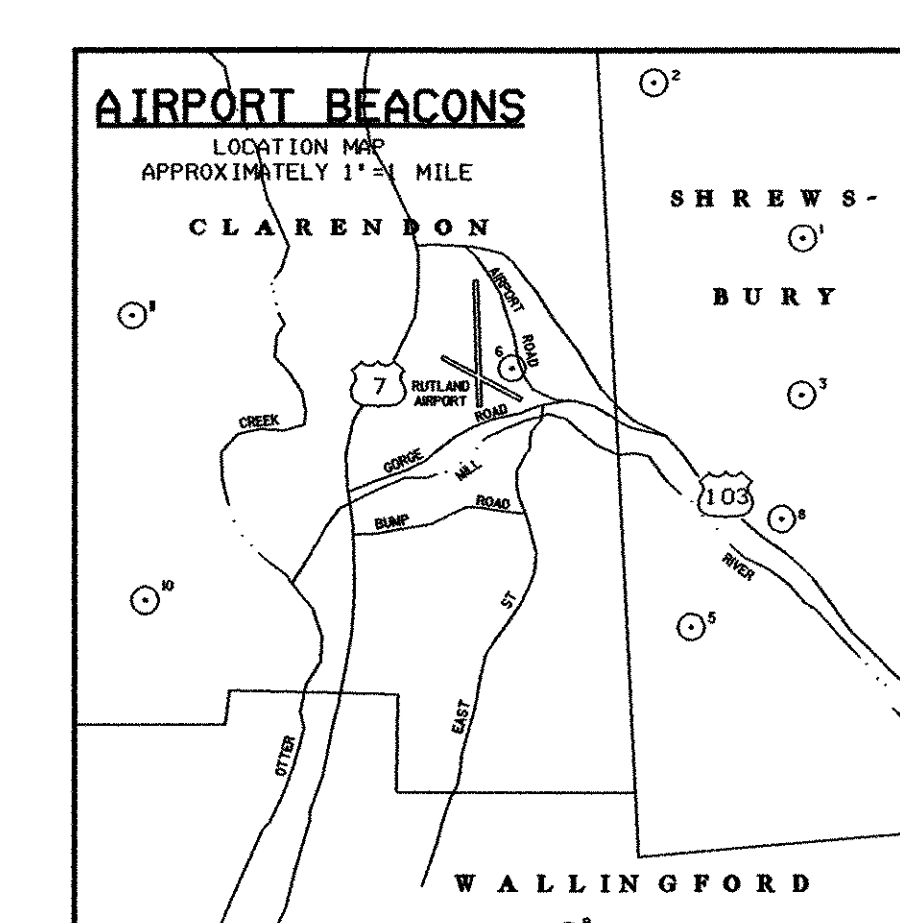
TOTAL AREA = 314.30 +/- ACRES

- NOTES
1. BEARINGS REFERENCE STATE PLANE GRID NORTH
 2. PROPERTY IS SUBJECT TO EXISTING EASEMENTS AND RIGHTS-OF-WAY OF RECORD
 3. THIS PLAN IS AN UPDATE OF A PREVIOUS SURVEY AND EXHIBIT "A" PREPARED BY BRUNO ASSOC., WOODSTOCK, VT DATED 8/8/94
 4. PARCELS AND AVIATION EASEMENTS ACQUIRED WITH FEDERAL FUNDS AS A PART OF ADAP PROJECT 6-50-0015-07 ARE... 14A,14B,15,17A-H,18A-C,19, AND 22.
 5. PARCELS 1,2A & 3 WERE PART OF AN A-P 4 AGREEMENT

- LEGEND
- EXISTING IRON PIN FOUND
 - EXISTING MONUMENT FOUND
 - EXISTING HWY DISK FOUND
 - BOUNDARY POINT
 - ⊙ IRON PIN SET
 - TREES
 - STREAM/ EDGE OF WATER
 - BOUNDARY LINE
 - PARCEL REFERENCE LINE
 - OUT CONVEYANCE
 - ⑭ DEED DATA
 - ⊙ CONCRETE MONUMENT SET
 - BUILDING RESTRICTION LINE
 - RUNWAY PROTECTION ZONE

TABLE A
ADDITIONAL BEACON DATA

| BEACON | ELEVATION | LOCATION |
|--------|-----------|-------------------------|
| 1A | 1140 | BEACON ON EAST MOUNTAIN |
| 1B | 1140 | BEACON ON WEST MOUNTAIN |
| 1C | 1140 | BEACON ON SLOPE |
| 1D | 1140 | BEACON ON SLOPE |
| 1E | 1140 | BEACON ON SLOPE |
| 1F | 1140 | BEACON ON SLOPE |
| 1G | 1140 | BEACON ON SLOPE |
| 1H | 1140 | BEACON ON SLOPE |
| 1I | 1140 | BEACON ON SLOPE |
| 1J | 1140 | BEACON ON SLOPE |
| 1K | 1140 | BEACON ON SLOPE |
| 1L | 1140 | BEACON ON SLOPE |
| 1M | 1140 | BEACON ON SLOPE |
| 1N | 1140 | BEACON ON SLOPE |
| 1O | 1140 | BEACON ON SLOPE |
| 1P | 1140 | BEACON ON SLOPE |
| 1Q | 1140 | BEACON ON SLOPE |
| 1R | 1140 | BEACON ON SLOPE |
| 1S | 1140 | BEACON ON SLOPE |
| 1T | 1140 | BEACON ON SLOPE |
| 1U | 1140 | BEACON ON SLOPE |
| 1V | 1140 | BEACON ON SLOPE |
| 1W | 1140 | BEACON ON SLOPE |
| 1X | 1140 | BEACON ON SLOPE |
| 1Y | 1140 | BEACON ON SLOPE |
| 1Z | 1140 | BEACON ON SLOPE |



DEED DATA (L) (TYP)

| MAP KEY | GRANTOR | GRANTEE | INST. | BOOK | PAGE | DATE | REMARKS |
|---------|---------------------------------------|-------------------|-------|------|------|---------|--------------------------------------------|
| 1 | JOHN H. & MARTIN F. BUTLER | CITY OF RUTLAND | W.D. | 26 | 591 | 10/41 | SEE 330A & 27A |
| 2A | CHARLES F. & DA. I. POWERS | | W.D. | 26 | 592 | 9/41 | SEE 330A & 27A |
| 2B | GRATZ, MARY S. & RUSSELL F. POWERS | | W.D. | 27 | 498 | 5/42 | 1/2 INTEREST |
| 3 | GEORGE A. & DEBORAH S. GROVER | | W.D. | 26 | 593 | 9/41 | SEE RESTRICTIONS ON ADJACENT LAND TO BUILD |
| 2A,3 | BUTLER, POWERS, & GROVER | | W.D. | 27 | 95 | 12/41 | RECEIVED METES & BOUNDS DEC 24 & 31C |
| 4 | RAY & LAURA BIXBY | | W.D. | 27 | 154 | 5/42 | SEE METES & BOUNDS DEC 24 & 31C |
| 5A | THOMAS C. PIERCE | | W.D. | 31 | 190 | 9/58 | SEE AIR RIGHTS REVERSION CLAUSE |
| 5B | THOMAS C. PIERCE | | W.D. | 31 | 250 | 7/59 | SEE AIR RIGHTS REVERSION CLAUSE |
| 6 | CHAPEL ASSN. TRUSTEES | | W.D. | 28 | 45 | 4/45 | SEE AIR RIGHTS REVERSION CLAUSE |
| 7A | AMHERST B. & RACHEL C. WEEKS | | W.D. | 27 | 156 | 5/42 | SEE AIR RIGHTS REVERSION CLAUSE |
| 7B&C | AMHERST B. & RACHEL C. WEEKS | | COND. | 31 | 179 | 8/58 | SEE AIR RIGHTS REVERSION CLAUSE |
| 8 | WILLIAM D. & JOYCE C. LIND | | RIGHT | 31 | 261 | 8/59 | SEE AIR RIGHTS REVERSION CLAUSE |
| 9 | VIRGINIA R. FRANTZ | | W.D. | 31 | 414 | 6/61 | SEE AIR RIGHTS REVERSION CLAUSE |
| 10 | CLIFFORD H. & MARY E. BROWN | | W.D. | 31 | 414 | 6/61 | SEE AIR RIGHTS REVERSION CLAUSE |
| 11A&B | ARTHUR S. & IRENE G. HILL | | W.D. | 32 | 1 | 9/61 | SEE AIR RIGHTS REVERSION CLAUSE |
| 13 | EUGENE A. & JUNE FREDETTE | STATE OF VERMONT | COND. | 53 | 408 | 5/15/85 | SEE AIR RIGHTS REVERSION CLAUSE |
| 14 | CITY OF RUTLAND | STATE OF VERMONT | W.D. | 51 | 180 | 12/83 | SEE AIR RIGHTS REVERSION CLAUSE |
| 14A | WILLIAM A. & DORIS H. WEEKS | STATE OF VERMONT | COND. | 53 | 408 | 5/15/85 | SEE AIR RIGHTS REVERSION CLAUSE |
| 14B | WILLIAM A. & DORIS H. WEEKS | STATE OF VERMONT | COND. | 53 | 408 | 5/15/85 | SEE AIR RIGHTS REVERSION CLAUSE |
| 15 | THOMAS S. WILLIAM A. & DORIS H. WEEKS | STATE OF VERMONT | COND. | 53 | 408 | 5/15/85 | SEE AIR RIGHTS REVERSION CLAUSE |
| 16 | CARROLL C. WEEKS | STATE OF VERMONT | COND. | 53 | 408 | 5/15/85 | SEE AIR RIGHTS REVERSION CLAUSE |
| 17A | GILBERT A. ET UX PIERCE | | | | | | SEE AIR RIGHTS REVERSION CLAUSE |
| 17B | GILBERT A. ET UX PIERCE | | | | | | SEE AIR RIGHTS REVERSION CLAUSE |
| 17C | GILBERT A. ET UX PIERCE | | | | | | SEE AIR RIGHTS REVERSION CLAUSE |
| 17D-H | GILBERT A. ET UX PIERCE | | | | | | SEE AIR RIGHTS REVERSION CLAUSE |
| 18A | HENRY & ILSE VERGI | | | | | | SEE AIR RIGHTS REVERSION CLAUSE |
| 18B&C | HENRY & ILSE VERGI | | | | | | SEE AIR RIGHTS REVERSION CLAUSE |
| 19 | STEVEN H. & DENISE M. SEYFRED | | WARR | 65 | 472 | 8/28/89 | SEE AIR RIGHTS REVERSION CLAUSE |
| 20 | C.V.P.S. | | WARR | 65 | 472 | 8/28/89 | SEE AIR RIGHTS REVERSION CLAUSE |
| 21 | NEW ENGLAND TEL. | | | | | | SEE AIR RIGHTS REVERSION CLAUSE |
| 22 | CAROL S. & RITA K. START ESTATE | STATE OF VERMONT | W.D. | 52 | 78 | 8/30/84 | SEE AIR RIGHTS REVERSION CLAUSE |
| 23 | GEORGE L. JR. & NALDA B. MERRILL | | W.D. | 55 | 399 | 1/23/86 | SEE AIR RIGHTS REVERSION CLAUSE |
| 24 | CITY OF RUTLAND | BUTLER BROTHERS | GC | 26 | 598 | 10/41 | SEE AIR RIGHTS REVERSION CLAUSE |
| 25 | CITY OF RUTLAND | VT AERONAUTICS BD | W.D. | 34 | 264 | 8/69 | SEE AIR RIGHTS REVERSION CLAUSE |
| 26 | BYER ESTATE | STATE OF VERMONT | I.D. | 24 | 584 | 2/77 | SEE AIR RIGHTS REVERSION CLAUSE |
| 27 | C.V.P.S. | STATE OF VERMONT | LEASE | 23 | 586 | 10/75 | SEE AIR RIGHTS REVERSION CLAUSE |
| 24 | JAYNE M. CONANT | STATE OF VERMONT | WARR | 76 | 249 | 3/11/93 | SEE AIR RIGHTS REVERSION CLAUSE |
| 25 | T.S. & M.A. WEEKS | STATE OF VERMONT | WARR | 81 | 79 | 6/15/94 | SEE AIR RIGHTS REVERSION CLAUSE |
| 26 | MAN & LAM STREETER | STATE OF VERMONT | WARR | 83 | 179 | 1/25/95 | SEE AIR RIGHTS REVERSION CLAUSE |
| 27 | DONALD A. HILL | STATE OF VERMONT | WARR | 93 | 545 | 12/5/98 | SEE AIR RIGHTS REVERSION CLAUSE |

FOR REFERENCE ONLY

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |

File No. F200002046.00
Job No. F200002046.00

RUTLAND STATE AIRPORT
CLARENDON, VERMONT

AIRPORT PROPERTY MAP
EXHIBIT "A"

URS
1 NORTHWAY LN.
LATHAM, NEW YORK

Designed by G.M.D.
Drawn by M.C.M.
Checked by
Approved by

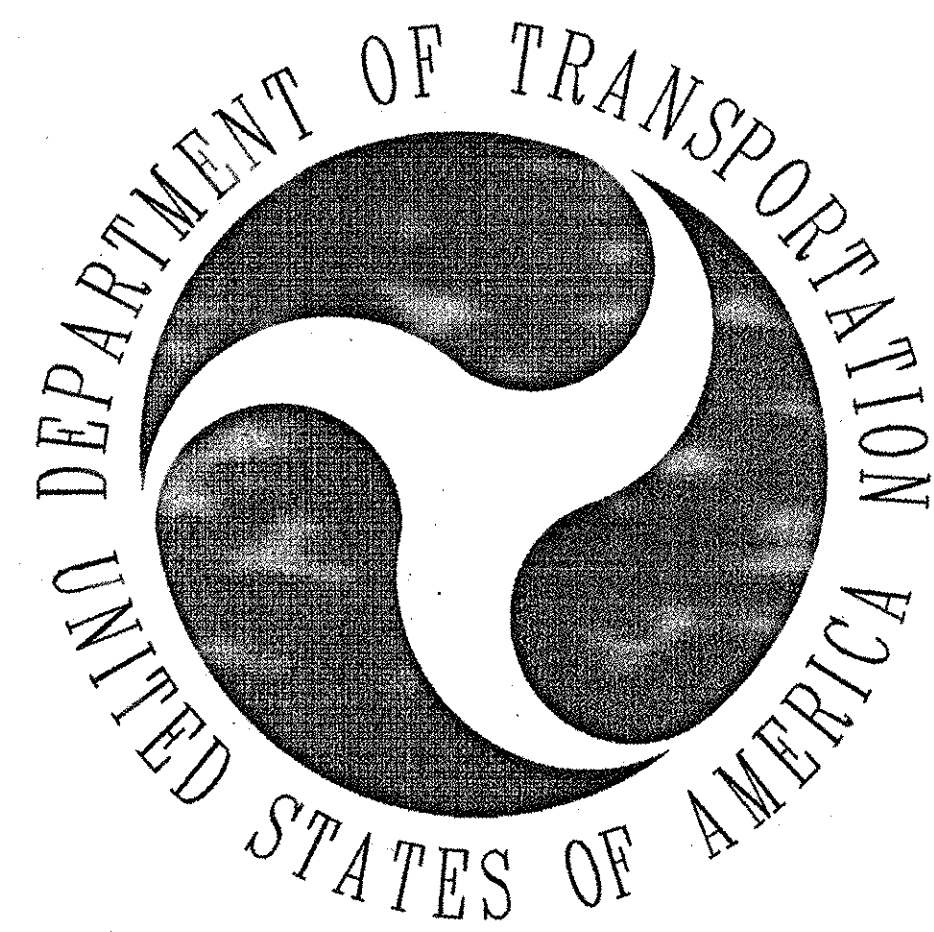
Scales:

Date: MAY, 2002

Sheet 8 OF 8

Sheet No
8

THIS DRAWING PRODUCED ON THE NEW ENGLAND REGION MICROSTATION SYSTEM

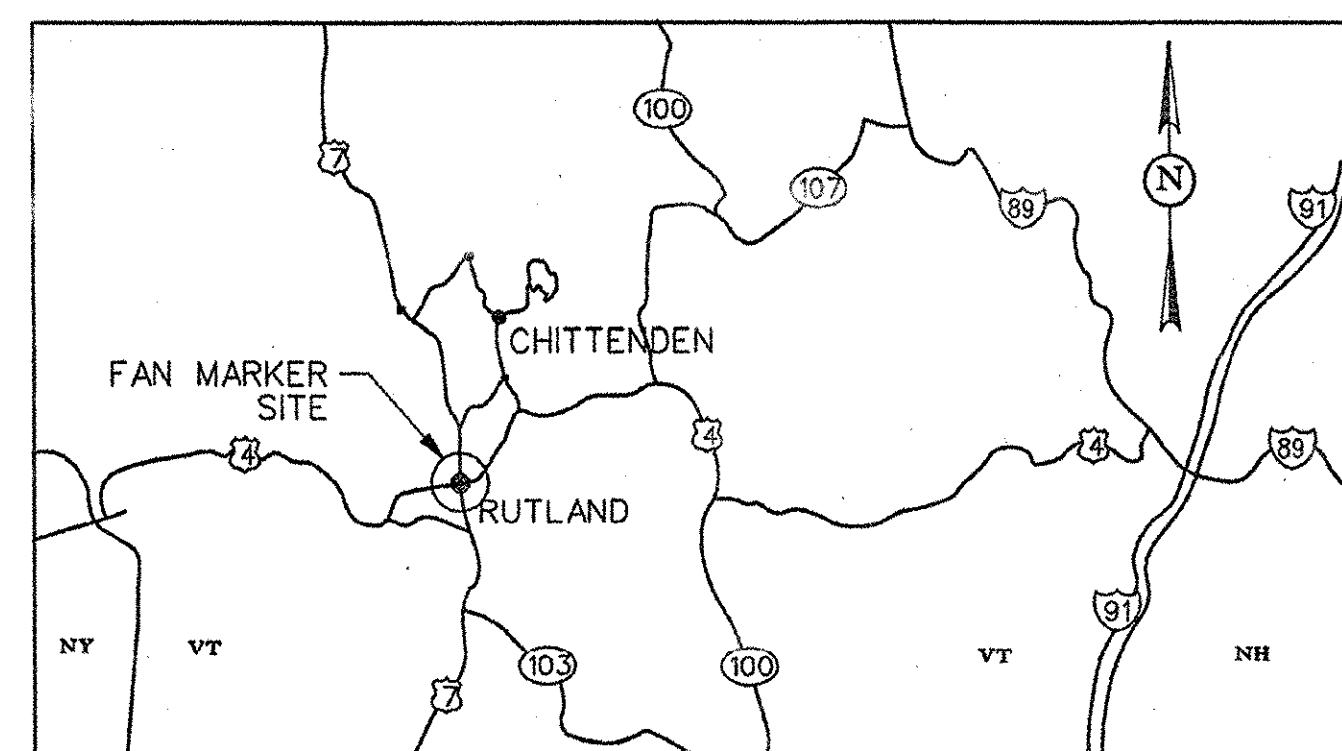
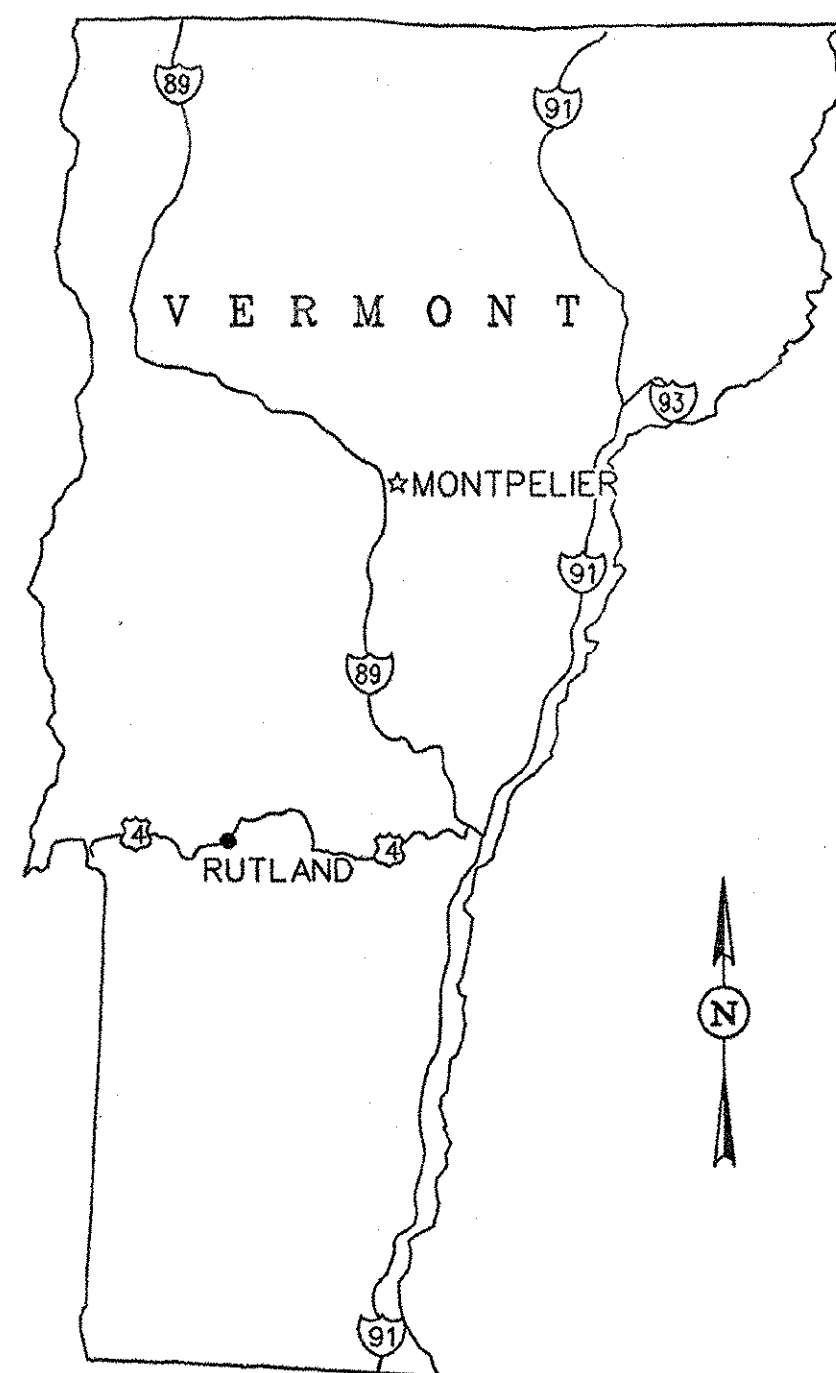


DEPARTMENT OF TRANSPORTATION

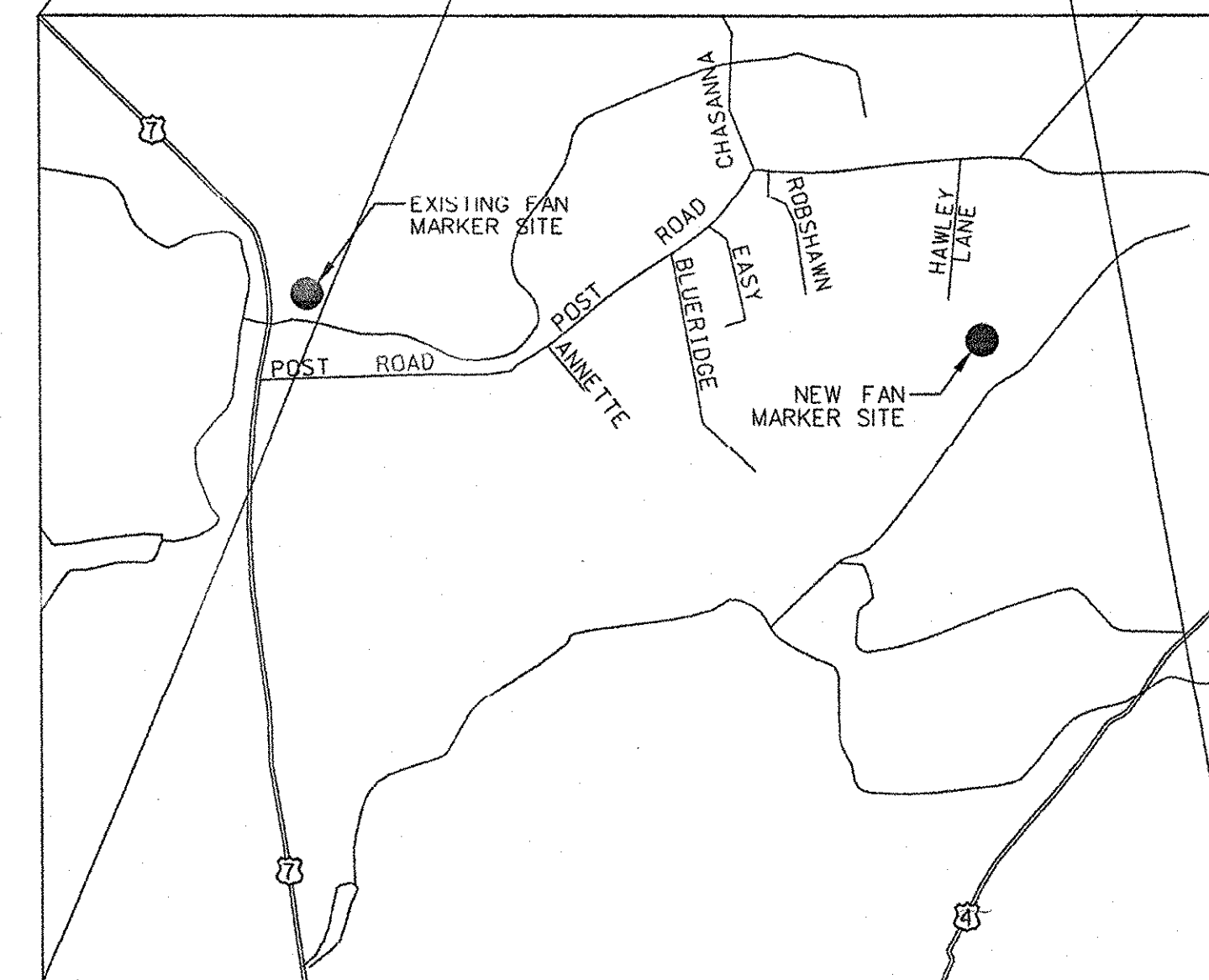
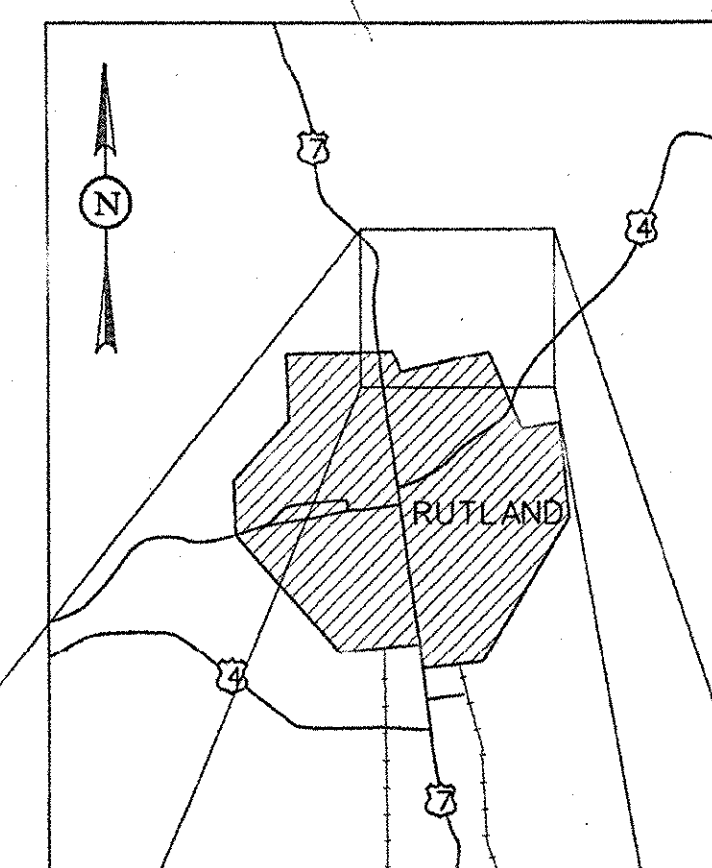


FEDERAL AVIATION ADMINISTRATION

INSTALLATION OF FAN MARKER (FM) FACILITY SERVING RUNWAY 19 (GL) RUTLAND STATE AIRPORT RUTLAND, VT



VICINITY PLAN
NOT TO SCALE



FAN MARKER LOCUS PLAN
NOT TO SCALE

THIS DRAWING SUPERSEDES DRAWING
NE-D-27464-000/C, REV 0, DATED 09/04/1998

| REV | DATE | DESCRIPTION | JCN | REDLINE DATE | APVD |
|-----|------------|----------------------|------|--------------|------|
| A | 02/14/2002 | PROPOSED/WR*6940/sls | 3426 | 01/08/2002 | |

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
BOSTON IMPLEMENTATION CENTER BURLINGTON, MA 01803
RUNWAY 19 (GL) FAN MARKER (FM)

COVER SHEET

CHITTENDEN RUTLAND STATE AIRPORT VT

| | |
|------------------------------------|--------------------------------|
| DESIGNED BY D. DAUDIER, ANI-180 | ISSUED BY P. KIRBY, ANI-180 |
| DRAWN BY J.M./DD | DATE 02/08/2002 |
| CHECKED BY sls | JCN 3426 |
| | REV A |

NAS IMPLEMENTATION AN-100
NE-D-27464-G000

02/14/2002 02:53:18 PM annulad

THIS DRAWING PRODUCED ON THE NEW ENGLAND REGION MICROSTATION SYSTEM

8 7 6 5 4 3 2 1

DRAWING LIST

- NE-D-27464-G000 COVER SHEET
- NE-D-27464-G001 INDEX SHEET
- NE-D-27464-D001 EXISTING FACILITY DEMOLITION PLAN
- NE-D-27464-C001 UTILITY AND SITE LAYOUT
- NE-D-27464-C002 FACILITY SITE PLAN
- NE-D-27464-C003 DETAILS
- NE-D-27464-C004 CHAIN LINK FENCE DETAILS
- NE-D-27464-E001 ELECTRICAL DETAILS
- NE-D-27464-E002 EXTERIOR EQUIPMENT INSTALLATION
- NE-D-27464-E003 EQUIPMENT SHELTER - EXTERIOR ELEVATIONS (REFERENCE ONLY)
- NE-D-27464-E004 EQUIPMENT SHELTER - INTERIOR ELEVATIONS (REFERENCE ONLY)
- NE-D-27464-E005 EQUIPMENT SHELTER - ELECTRICAL DETAILS (REFERENCE ONLY)
- NE-D-27464-R001 LEASE PROPERTY DESCRIPTION (REFERENCE ONLY)

ABBREVIATIONS

SYMBOLS LEGEND

H
G
F
E
D
C
B
A

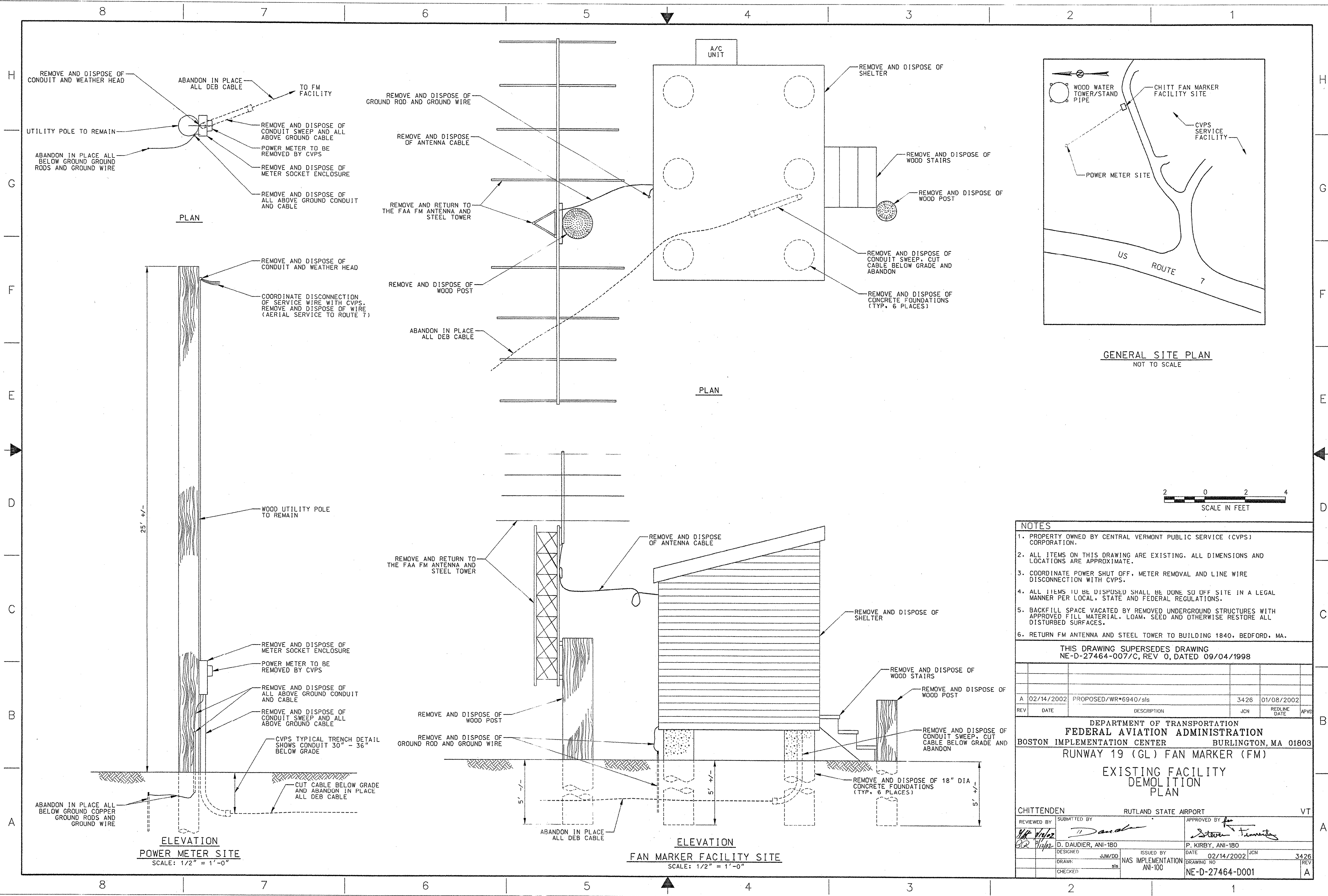
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|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------|------|--------------|------|
| REV | DATE | DESCRIPTION | JCN | REDLINE DATE | APVD |
| A | 02/14/2002 | PROPOSED/WR*6940/sls | 3426 | 01/08/2002 | |
| DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION BOSTON IMPLEMENTATION CENTER BURLINGTON, MA 01803 RUNWAY 19 (GL) FAN MARKER (FM) | | | | | |
| INDEX SHEET | | | | | |
| CHITTENDEN | | RUTLAND STATE AIRPORT | | VT | |
| REVIEWED BY | SUBMITTED BY | APPROVED BY | | | |
| <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | | | |
| DESIGNER | ISSUED BY | DATE | JCN | | |
| D. DAUDER, ANI-180 | P. KIRBY, ANI-180 | 02/14/2002 | 3426 | | |
| DRAWN | NAS IMPLEMENTATION | DRAWING NO | REV | | |
| CHECKED | ANI-100 | NE-D-27464-G001 | A | | |

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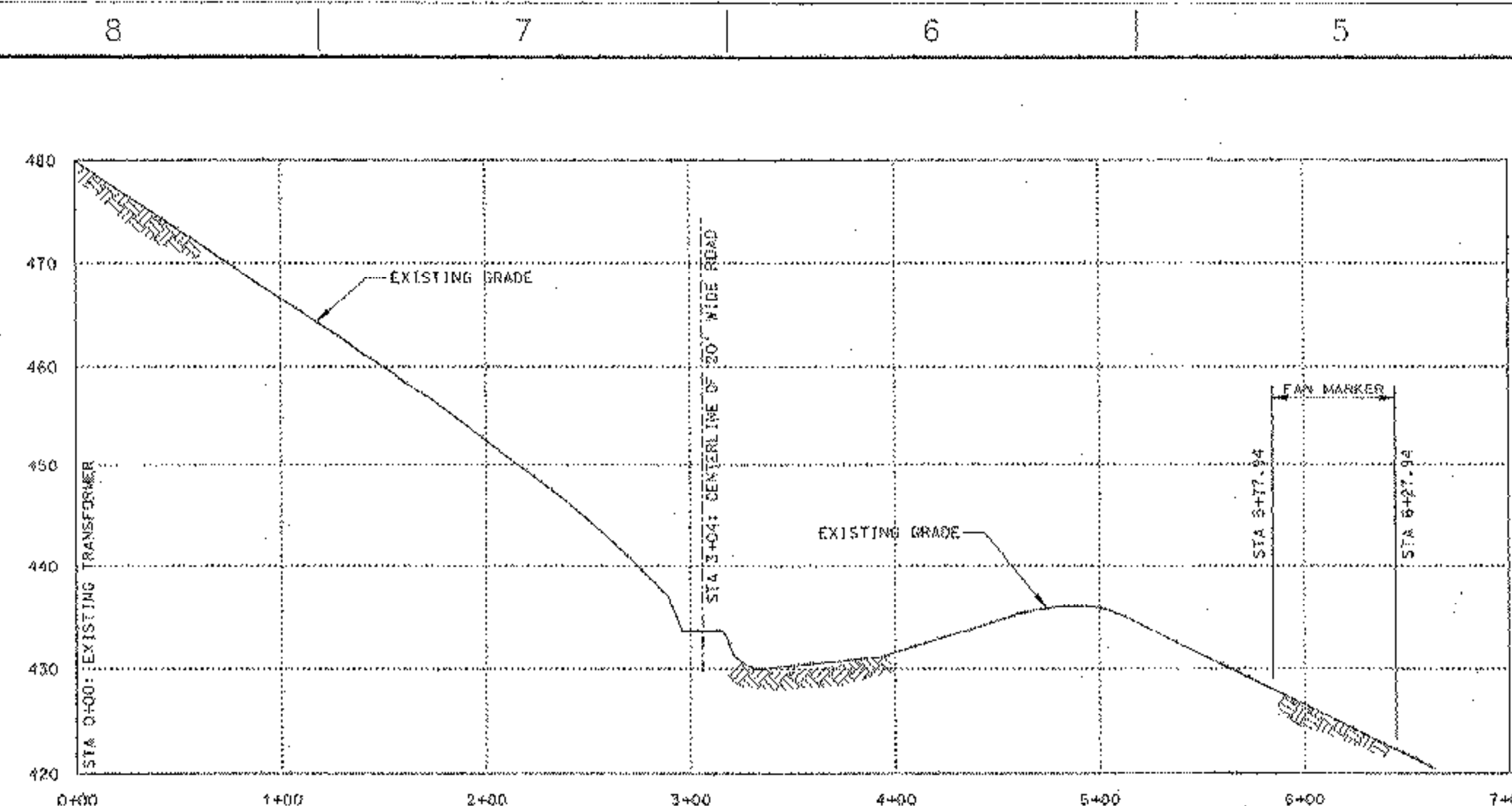
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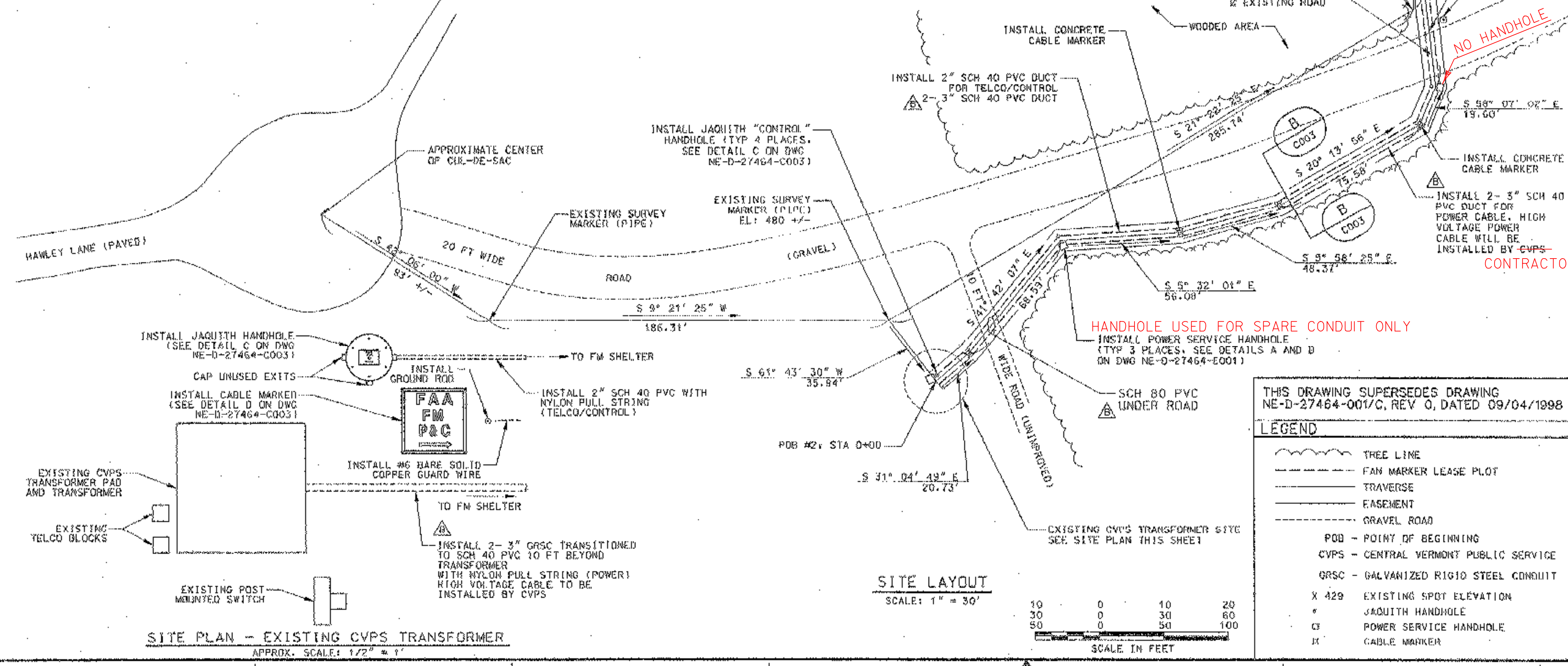
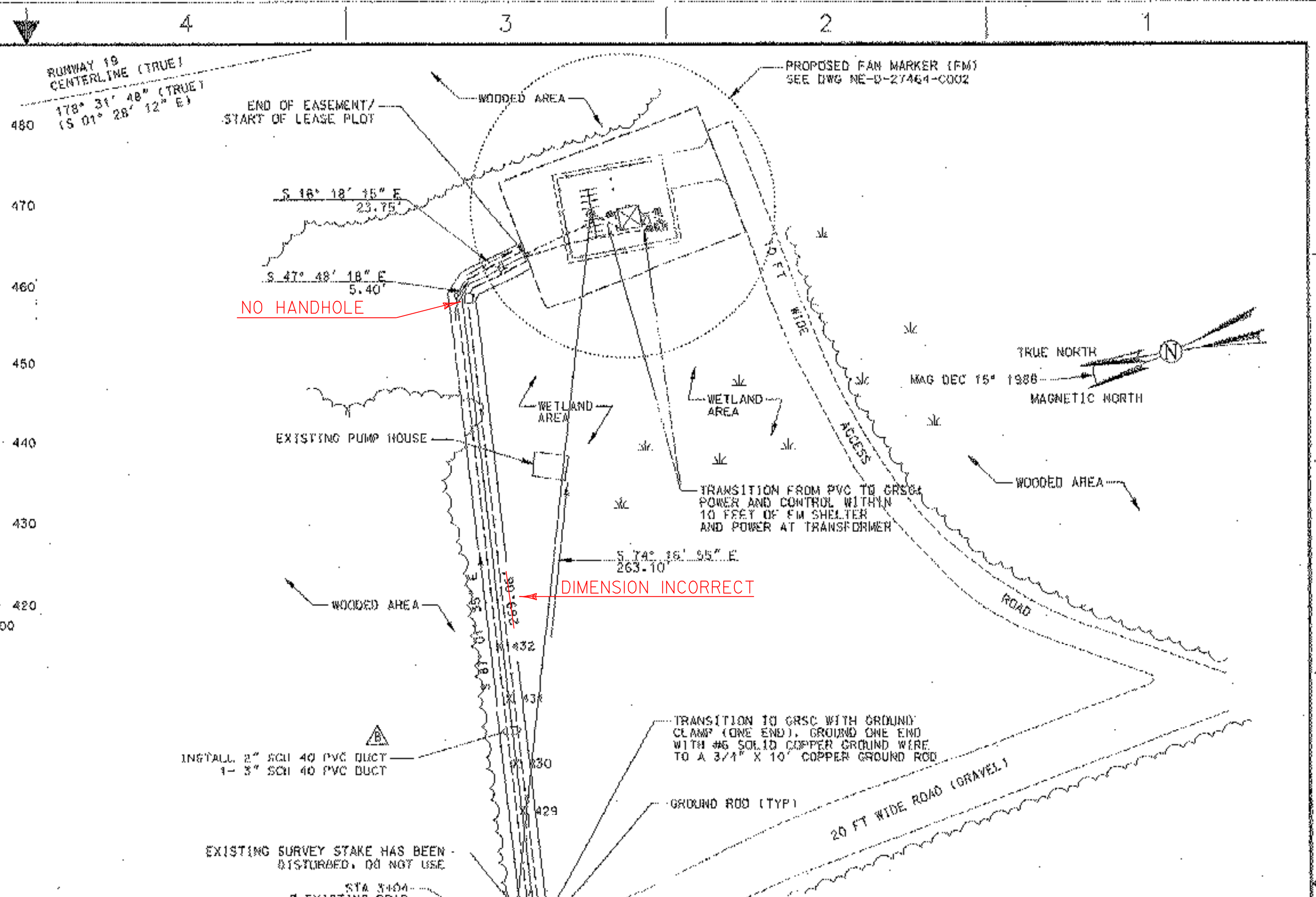


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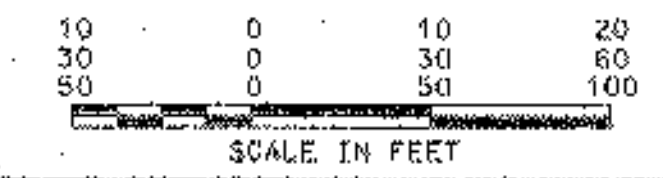


UTILITY EASEMENT PROFILE
 HORIZ SCALE: 1" = 50'
 VERT SCALE: 1" = 10'



SITE PLAN - EXISTING CVPS TRANSFORMER
 APPROX. SCALE: 1/2" = 1'

SITE LAYOUT
 SCALE: 1" = 30'



THIS DRAWING SUPERSEDES DRAWING
 NE-D-27464-001/C, REV 0, DATED 09/04/1998

| LEGEND | |
|--------|---------------------------------------|
| | TREE LINE |
| | FAN MARKER LEASE PLOT |
| | TRAVERSE |
| | EASEMENT |
| | GRAVEL ROAD |
| | POB - POINT OF BEGINNING |
| | CVPS - CENTRAL VERMONT PUBLIC SERVICE |
| | GRSC - GALVANIZED RIGID STEEL CONDUIT |
| | X 429 - EXISTING SPOT ELEVATION |
| | J - JAQUITH HANDHOLE |
| | CS - POWER SERVICE HANDHOLE |
| | CM - CABLE MARKER |

- NOTES**
- PROPERTY IS OWNED BY DONALD PRESCOTT AND IS LOCATED IN THE TOWN OF RUTLAND, VT.
 - LOAM, SEED AND OTHERWISE RESTORE ALL DISTURBED AREAS.
 - THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL CONCRETE CABLE MARKERS. CABLE MARKERS TO BE LOCATED EVERY 200 FEET, AT ALL CHANGES IN DIRECTION AND TERMINATION OF DUCT WORK. SEE DETAIL D ON DWG NE-D-27464-C003
 - THE CONTRACTOR SHALL TRANSITION ALL PVC CONDUIT TO RIGID GALVANIZED STEEL CONDUIT AT ALL ACCESS ROAD CROSSINGS (EXTEND 10 FEET BEYOND EDGE OF ROAD, BOTH SIDES). THE CONTRACTOR SHALL TRANSITION TO GRSC (10 FEET) TERMINATING INTO THE EXISTING CVPS TRANSFORMER PAD AND INTO THE FAN MARKER SHELTER. THE CONTRACTOR SHALL TRANSITION TO GRSC (MINIMUM 10 FEET BEYOND #6 COPPER GROUND CABLE) AT THE TRANSFORMER FIBERGLASS BOX AT THE FM SITE.
 - ENTIRE UTILITY EASEMENT IS 15 FEET WIDE. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASUREMENTS/SURVEY TO REMAIN WITHIN THIS EASEMENT.
 - INSTALL #6 BARE SOLID COPPER GUARD WIRE 12" ABOVE PVC DUCTS AND GROUNDED TO BUSHINGS AT EACH END OF ALL GRSC. INSTALL GROUND RODS AND EXOTHERMIC WELD TO GUARD WIRE EVERY 300 FEET AND AT EACH END.
 - PROVIDE 500 LB RATED PULL STRING IN DUCT FROM EXISTING CVPS TRANSFORMER TO TRANSFORMER FIBERGLASS BOX AT FAN MARKER SITE.
 - ALL SURVEY POINTS SHALL BE VERIFIED BY A STATE OF VERMONT LICENSED LAND SURVEYOR.

| REV | DATE | DESCRIPTION | CHK | REDLINE DATE | APPV |
|-----|------------|---------------------------------|-----|--------------|------------|
| B | 08/13/2002 | SPARE CONDUIT ADDED MR+706V/egg | | 3/28 | 08/12/2002 |
| A | 02/08/2002 | PROPOSED/WR+6940/els | | 3/26 | 01/08/2002 |

DEPARTMENT OF TRANSPORTATION
 FEDERAL AVIATION ADMINISTRATION
 BOSTON IMPLEMENTATION CENTER BURLINGTON, MA 01803

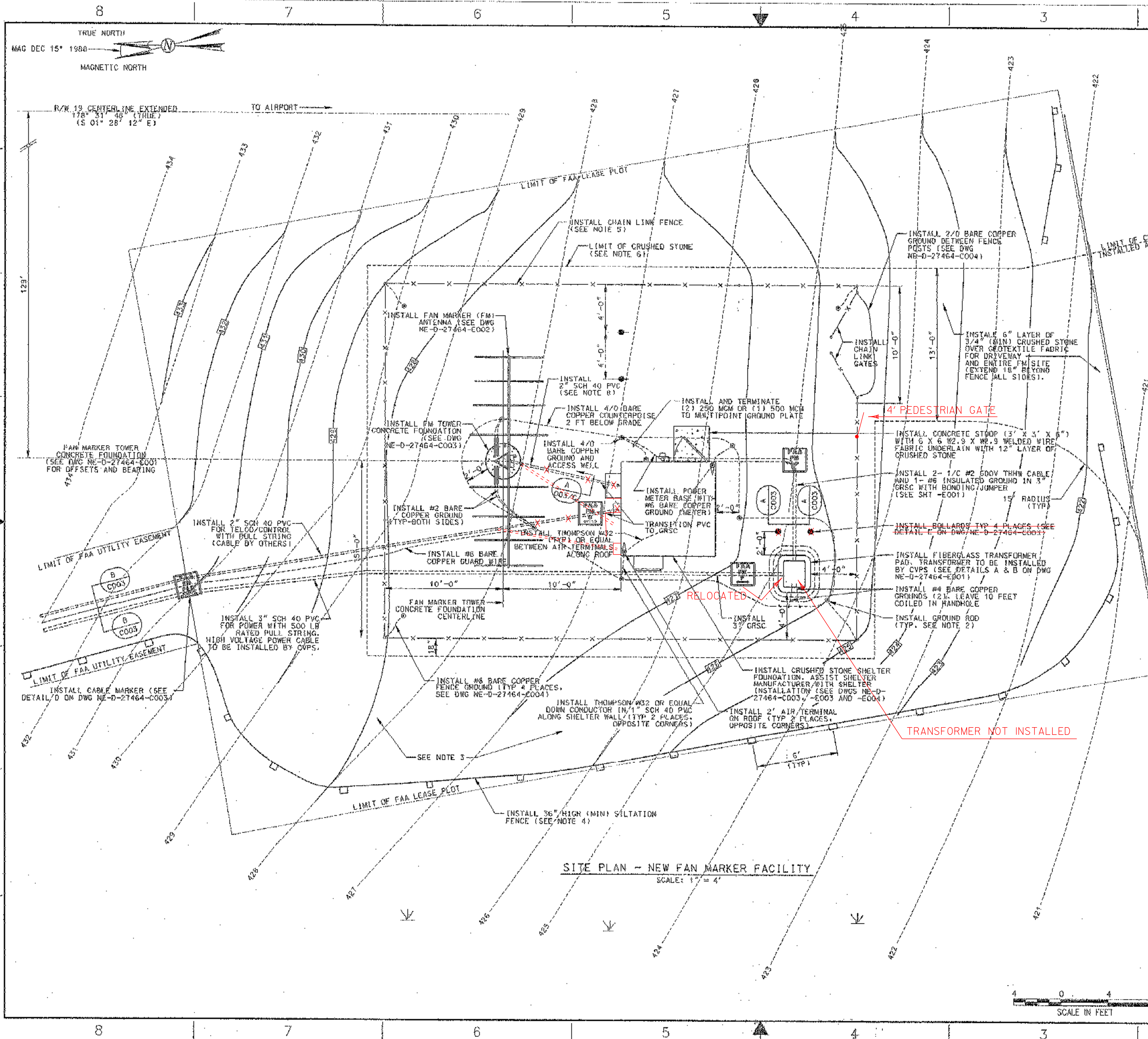
RUNWAY 19 (GL) FAN MARKER (FM)
 UTILITY AND SITE LAYOUT

CHITTENDEN RUTLAND STATE AIRPORT VT

| | | |
|-----------------------------------|------------------------------------|-----------------------------------|
| REVIEWED BY <i>[Signature]</i> | SUBMITTED BY <i>[Signature]</i> | APPROVED BY <i>[Signature]</i> |
| DATE JUN 09 | DATE 02/08/2002 | DATE 02/08/2002 |
| DRAWN BY [Blank] | ISSUED BY [Blank] | PROJECT NO. [Blank] |
| CHECKED BY [Blank] | DATE [Blank] | REV [Blank] |

NE-D-27464-C001

THIS DRAWING PRODUCED ON THE NEW ENGLAND REGION INFORMATION SYSTEM



- NOTES**
- HIGH VOLTAGE CABLE AND TRANSFORMER INSTALLATION AND ALL POWER TERMINATIONS WILL BE MADE BY CENTRAL VERMONT POWER SERVICE (CVPS). CONTACT TELEPHONE: (802) 773-2594.
 - ALL GROUNDING CONNECTIONS SHALL BE EXOTHERMICALLY WELDED EXCEPT WHERE NOTED. GROUND RODS SHALL BE COPPER CLAD, 3/4" DIAMETER BY 10 FEET LONG AND SHALL BE DRIVEN 12" (MIN) BELOW GROUND SURFACE.
 - HAY MULCH SHALL BE PLACED (1.5 TON PER ACRE MIN) ON ALL DISTURBED SLOPED AREAS FOR EROSION CONTROL AND SHALL BE MAINTAINED UNTIL ALL SUCH AREAS ARE PERMANENTLY STABILIZED WITH GRASS GROWTH.
 - THE SILTATION FENCE SHALL BE EMERGED (18" MIN, 16" MAX) BELOW GRADE WITH 2"x2"x36" WOOD STAKES SPACED 6' (MAX) CENTER TO CENTER FOR WETLAND PROTECTION. SILTATION FENCE SHALL BE ESTABLISHED PRIOR TO GRADING WORK PER VERMONT HANDBOOK FOR SOIL EROSION AND SEDIMENT CONTROL ON CONSTRUCTION SITES.
 - THE CONTRACTOR SHALL INSTALL A CHAIN LINK FENCE 30'-0"x40'-0"x8'-0" HIGH. SUPPORT POSTS SHALL BE 10'-0" APART (MAX). SEE DWG NE-D-27464-C004 FOR FENCE DETAILS.
 - THE CONTRACTOR SHALL INSTALL A 6" THICK LAYER OF 3/4" (MIN) CRUSHED STONE OVER GEOTEXTILE FABRIC INSIDE ENTIRE FENCED IN AREA AND EXTENDING 18" BEYOND FENCED AREA-ALL SIDES.
 - ALL EXTERIOR CONDUITS INSTALLED AGAINST CONCRETE SHELTER SHALL BE SECURELY FASTENED EVERY 4 FT. ALL CONDUITS ENTERING THE GROUND SHALL HAVE EXPANSION SLEEVES LOCATED 12" ABOVE GRADE.
 - THE CONTRACTOR SHALL INSTALL 1-2" SCH 40 PVC CONDUIT AND INSTALL RG 214 COAX CABLE (CFM) INTO 12" X 12" X 6", NEMA 4X, LOCKABLE HOFFMAN BOX. TERMINATIONS BY OTHERS.
 - INSTALL 10' WIDE ACCESS ROAD FROM 20' GRAVEL ROAD TO FAN MARKER SITE.
 - ALL CONDUIT PENETRATING SHELTER SHALL BE SEALED WITH DUCT SEAL, BOTH USED AND SPARE CONDUITS.
 - NEW FM FOUNDATION SHALL INSTALLED AT: LAT 43° 38' 07.979", LONG 72° 57' 13.984".

LEGEND

| | | | |
|-------|-------------------------|---|--------------------------|
| — | CONDUIT | ⊙ | AIR TERMINAL |
| - - - | EASEMENT AND LEASE LINE | ⊙ | BOLLARDS |
| — | GRAVEL ROAD | ⊙ | WETLAND AREA |
| --- | PROPOSED CONTOUR LINE | ⊙ | EXOTHERMIC WELD |
| --- | EXISTING CONTOUR LINE | ⊙ | POB - POINT OF BEGINNING |

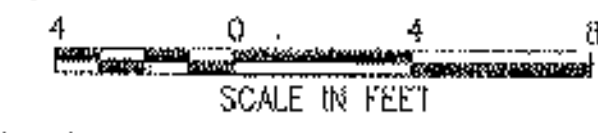
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| A | 02/08/2002 | PROPOSED/WR40940/als | 3426 | 01/08/2002 | |

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
 BOSTON IMPLEMENTATION CENTER BURLINGTON, MA 01803
RUNWAY 19 (GL) FAN MARKER (FM)
FACILITY SITE PLAN

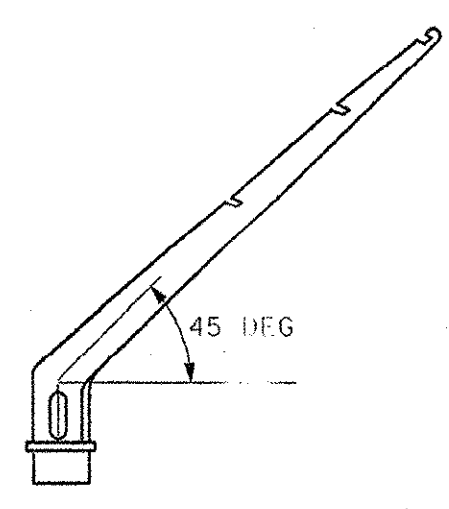
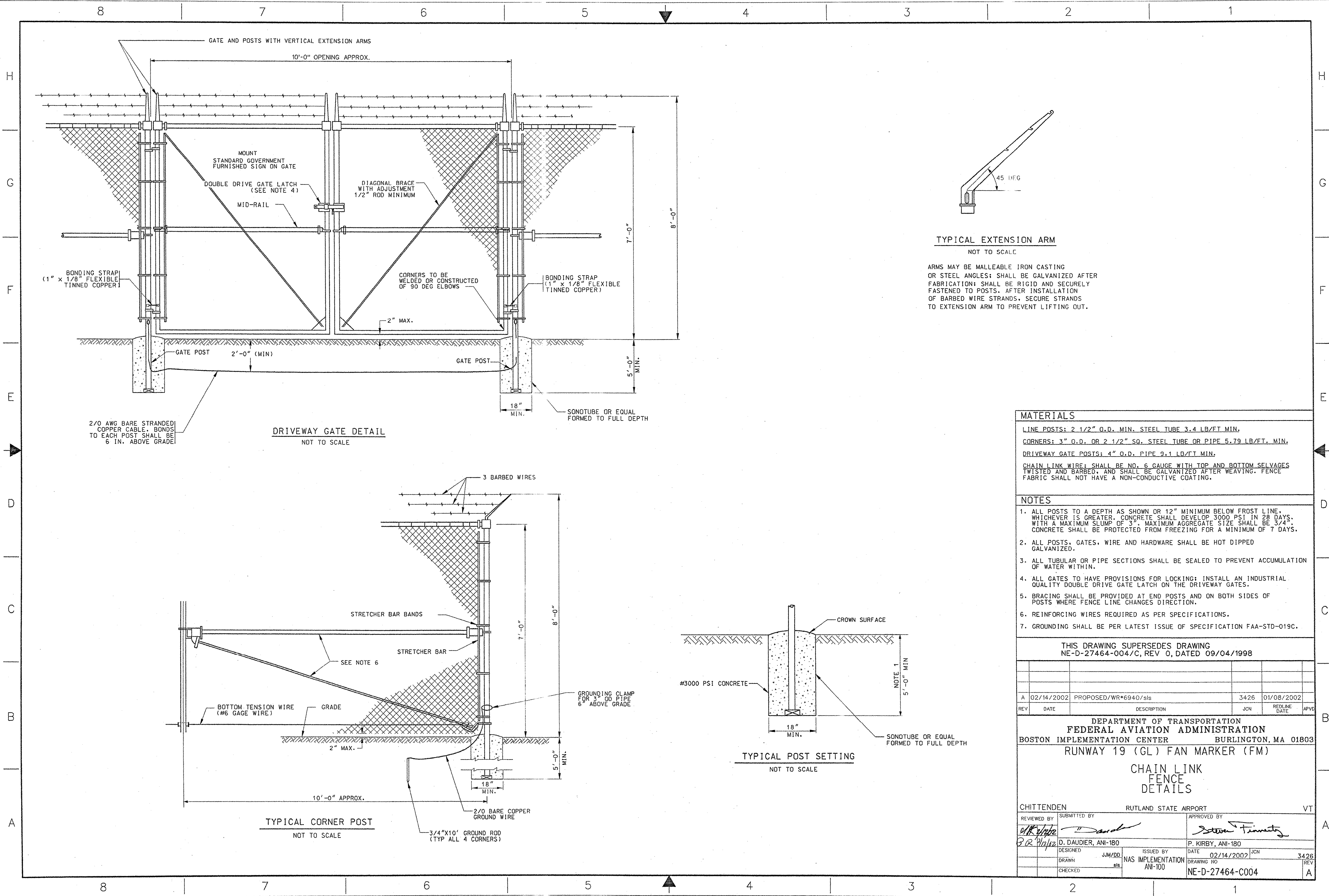
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| CHITTENDEN | RUTLAND STATE AIRPORT | VT |
| DESIGNED BY D. DAUDER, ANI-100 | ISSUED BY NAS IMPLEMENTATION ANI-100 | DATE 02/08/2002 |
| CHECKED BY als | DATE 02/08/2002 | SCALE 3/4" = 1'-0" |
| APPROVED BY D. DAUDER, ANI-100 | APPROVED BY E. KIRBY, ANI-100 | DATE 02/08/2002 |
| NO. 3426 | REV. 0 | DWG. NO. NE-D-27464-C002 |

SITE PLAN - NEW FAN MARKER FACILITY
 SCALE: 1" = 4'



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THIS DRAWING PRODUCED ON THE NEW ENGLAND REGION MICROSTATION SYSTEM



TYPICAL EXTENSION ARM
NOT TO SCALE

ARMS MAY BE MALLEABLE IRON CASTING OR STEEL ANGLES; SHALL BE GALVANIZED AFTER FABRICATION; SHALL BE RIGID AND SECURELY FASTENED TO POSTS. AFTER INSTALLATION OF BARBED WIRE STRANDS, SECURE STRANDS TO EXTENSION ARM TO PREVENT LIFTING OUT.

MATERIALS

LINE POSTS: 2 1/2" O.D. MIN. STEEL TUBE 3.4 LB/FT MIN.
 CORNERS: 3" O.D. OR 2 1/2" SQ. STEEL TUBE OR PIPE 5.79 LB/FT. MIN.
 DRIVEWAY GATE POSTS: 4" O.D. PIPE 9.1 LB/FT MIN.
 CHAIN LINK WIRE: SHALL BE NO. 6 GAUGE WITH TOP AND BOTTOM SELVAGES TWISTED AND BARBED, AND SHALL BE GALVANIZED AFTER WEAVING. FENCE FABRIC SHALL NOT HAVE A NON-CONDUCTIVE COATING.

- NOTES**
1. ALL POSTS TO A DEPTH AS SHOWN OR 12" MINIMUM BELOW FROST LINE, WHICHEVER IS GREATER. CONCRETE SHALL DEVELOP 3000 PSI IN 28 DAYS, WITH A MAXIMUM SLUMP OF 3". MAXIMUM AGGREGATE SIZE SHALL BE 3/4". CONCRETE SHALL BE PROTECTED FROM FREEZING FOR A MINIMUM OF 7 DAYS.
 2. ALL POSTS, GATES, WIRE AND HARDWARE SHALL BE HOT DIPPED GALVANIZED.
 3. ALL TUBULAR OR PIPE SECTIONS SHALL BE SEALED TO PREVENT ACCUMULATION OF WATER WITHIN.
 4. ALL GATES TO HAVE PROVISIONS FOR LOCKING; INSTALL AN INDUSTRIAL QUALITY DOUBLE DRIVE GATE LATCH ON THE DRIVEWAY GATES.
 5. BRACING SHALL BE PROVIDED AT END POSTS AND ON BOTH SIDES OF POSTS WHERE FENCE LINE CHANGES DIRECTION.
 6. REINFORCING WIRES REQUIRED AS PER SPECIFICATIONS.
 7. GROUNDING SHALL BE PER LATEST ISSUE OF SPECIFICATION FAA-STD-019C.

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NE-D-27464-004/C, REV 0, DATED 09/04/1998

| REV | DATE | DESCRIPTION | JCN | REDLINE DATE | APVD |
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| A | 02/14/2002 | PROPOSED/WR#6940/sls | 3426 | 01/08/2002 | |

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FEDERAL AVIATION ADMINISTRATION
 BOSTON IMPLEMENTATION CENTER BURLINGTON, MA 01803
 RUNWAY 19 (GL) FAN MARKER (FM)

CHAIN LINK FENCE DETAILS

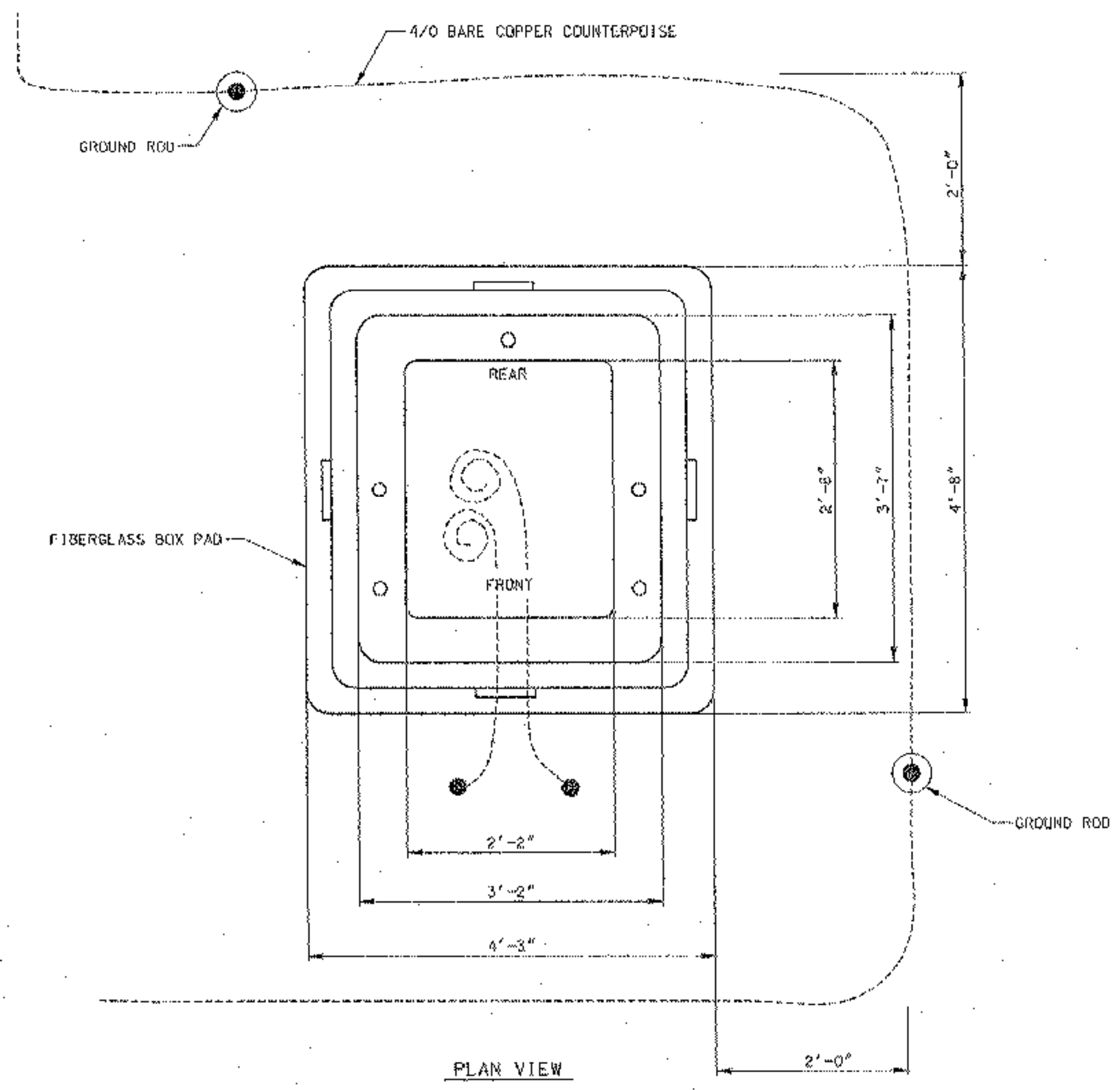
CHITTENDEN RUTLAND STATE AIRPORT VT

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| DESIGNED | ISSUED BY | DATE |
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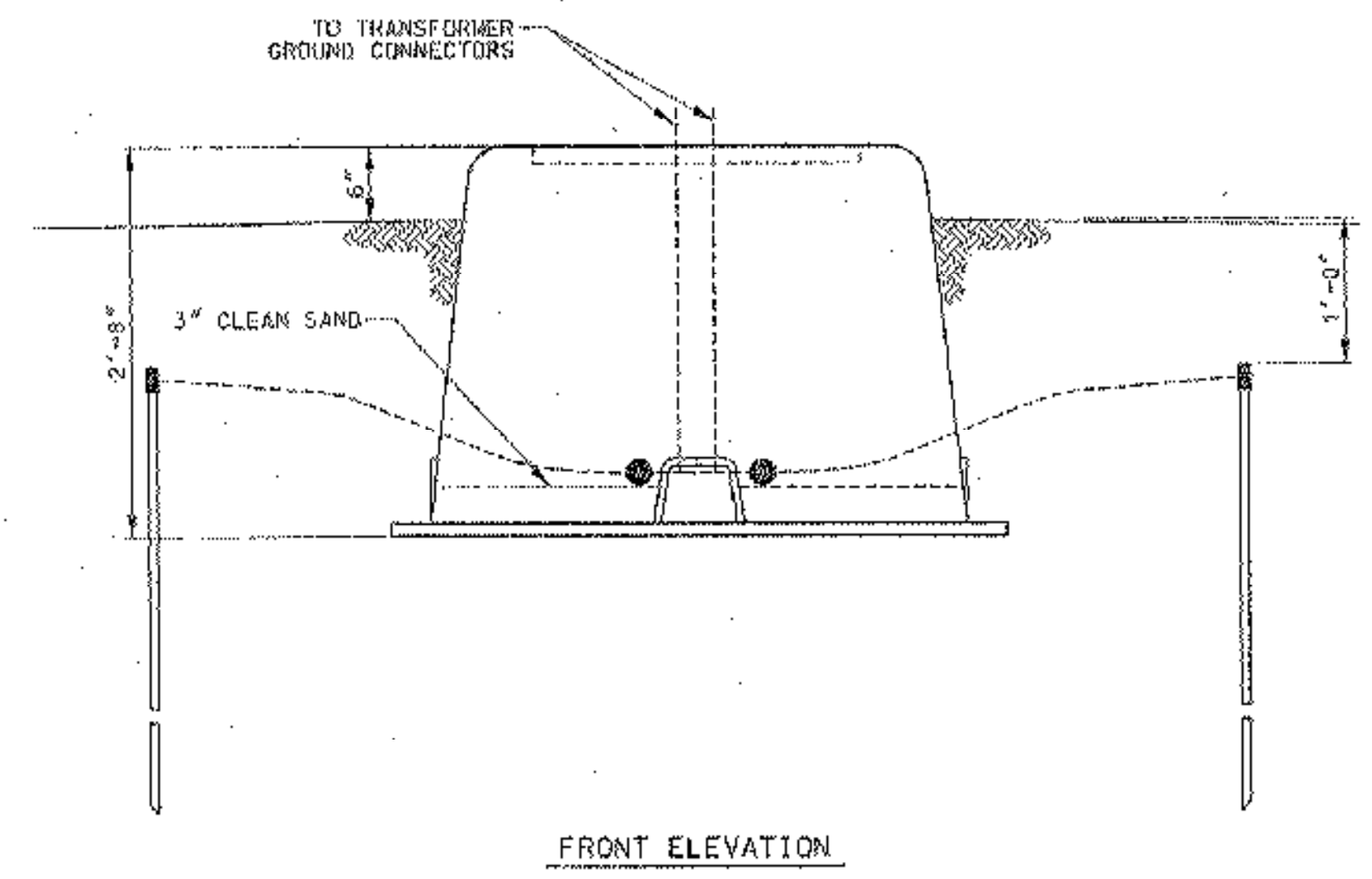
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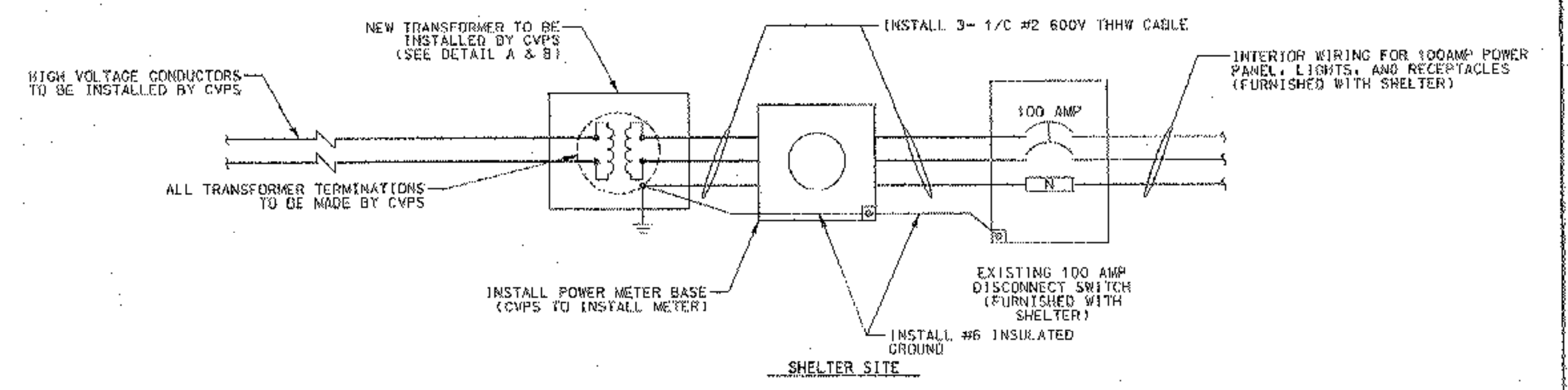


PLAN VIEW



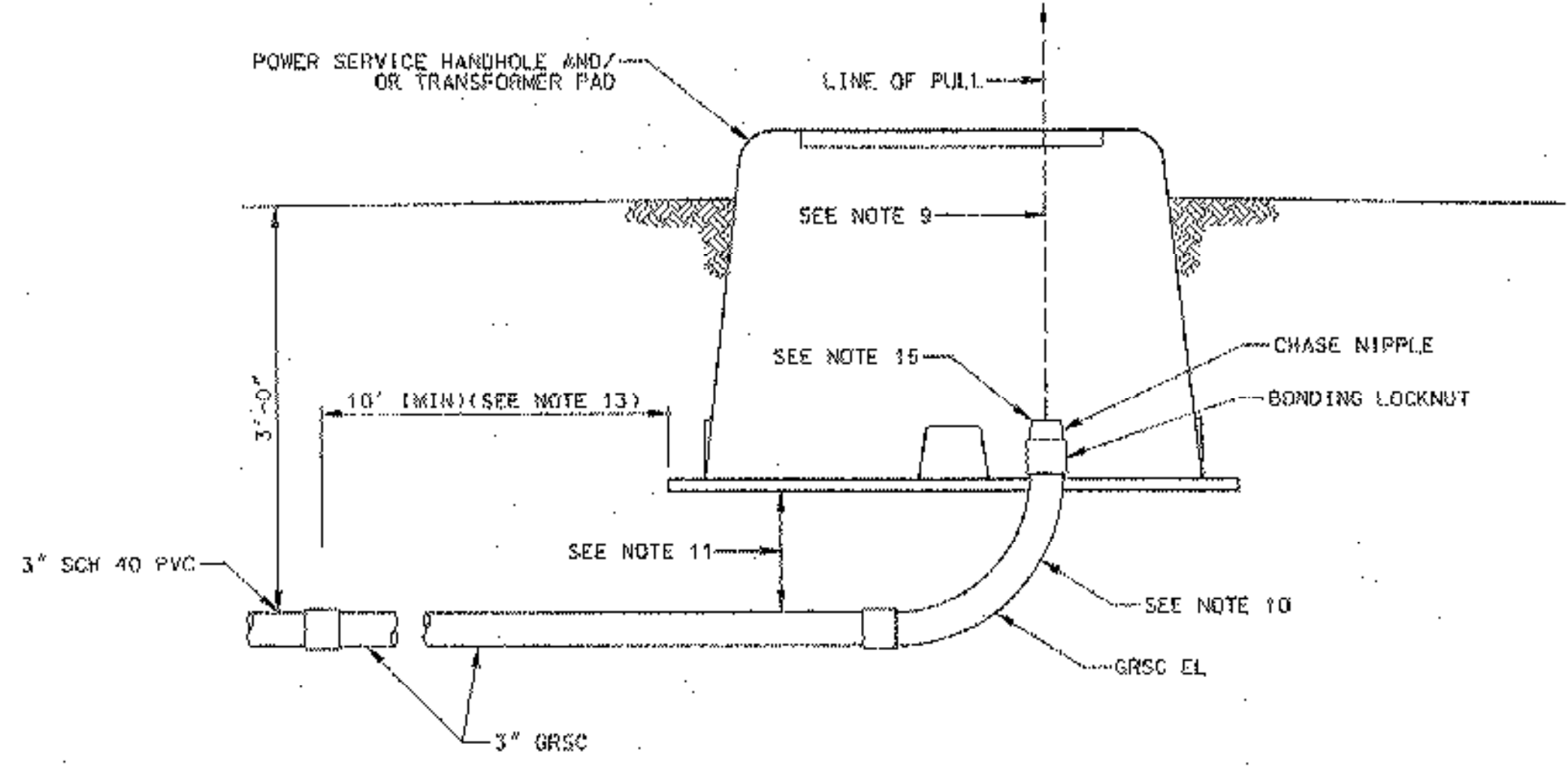
FRONT ELEVATION

DETAIL A - POWER SERVICE HANDHOLE/TRANSFORMER PAD
SCALE: 1" = 1'-0"



DETAIL C - PUBLIC SERVICE ONE LINE DIAGRAM
NOT TO SCALE

NOT USED



DETAIL B - FOUNDATION CONDUIT INSTALLATION
SCALE: 1" = 1'-0"

- NOTES**
1. COORDINATE POWER SHUT DOWNS AND POWER SERVICE INSTALLATIONS WITH CENTRAL VERMONT POWER SERVICE (CVPS).
 2. COORDINATE FIBERGLASS PAD MANUFACTURER/SIZE FOR TRANSFORMER WITH CVPS.
 3. SET FIBERGLASS PAD TO PROVIDE ADEQUATE DRAINAGE AWAY FROM PAD. IF NECESSARY TO LOCATE IN A LOW SPOT, SET ON MOUND A MINIMUM OF 18" HIGH WITH A 1 ON 4 SLOPE.
 4. THE TRANSFORMER MUST BE SECURED TO ITS PAD BY USING 2- 3/8" BOLTS WITH APPROPRIATE WASHERS (BY CVPS).
 5. LEAVE SLACK IN SECONDARY CABLES IN OPEN CABLE SPACE.
 6. INSTALL 3" CLEAN SAND IN BOTTOM OF POWER SERVICE HANDHOLE.
 7. PAD DIMENSIONS MAY VARY WITH MANUFACTURER.
 8. LOCATE THE PAD SO IT IS READILY ACCESSIBLE BY CVPS TRUCK FOR TRANSFORMER DELIVERY.
 9. ELBOW MUST BE ALIGNED TO ALLOW STRAIGHT PULL THROUGH HANDHOLE OPENING.
 10. A 90° ELBOW IS TYPICAL. HOWEVER, CONDITIONS MAY REQUIRE THAT A 45° ELBOW BE SPECIFIED BY ENGINEERING.
 11. PROVIDE SUFFICIENT CLEARANCE SO HANDHOLE DOES NOT CONTACT ELBOW.
 12. A 500 LB RATED PULL STRING SHALL BE INSTALLED IN THE COMPLETED CONDUIT RUN.
 13. CONDUIT ENDS TO BE SEALED WITH APPROVED DUCT SEAL AFTER CABLES ARE INSTALLED.
 14. STEEL CONDUIT SHALL EXTEND AT LEAST 10 FEET FROM HANDHOLE.
 15. ALL RIGID GALVANIZED STEEL CONDUIT TO BE BONDED TO GROUND GRID.

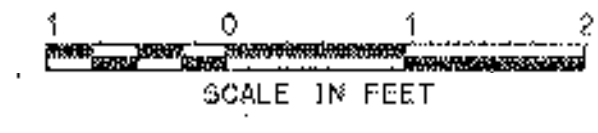
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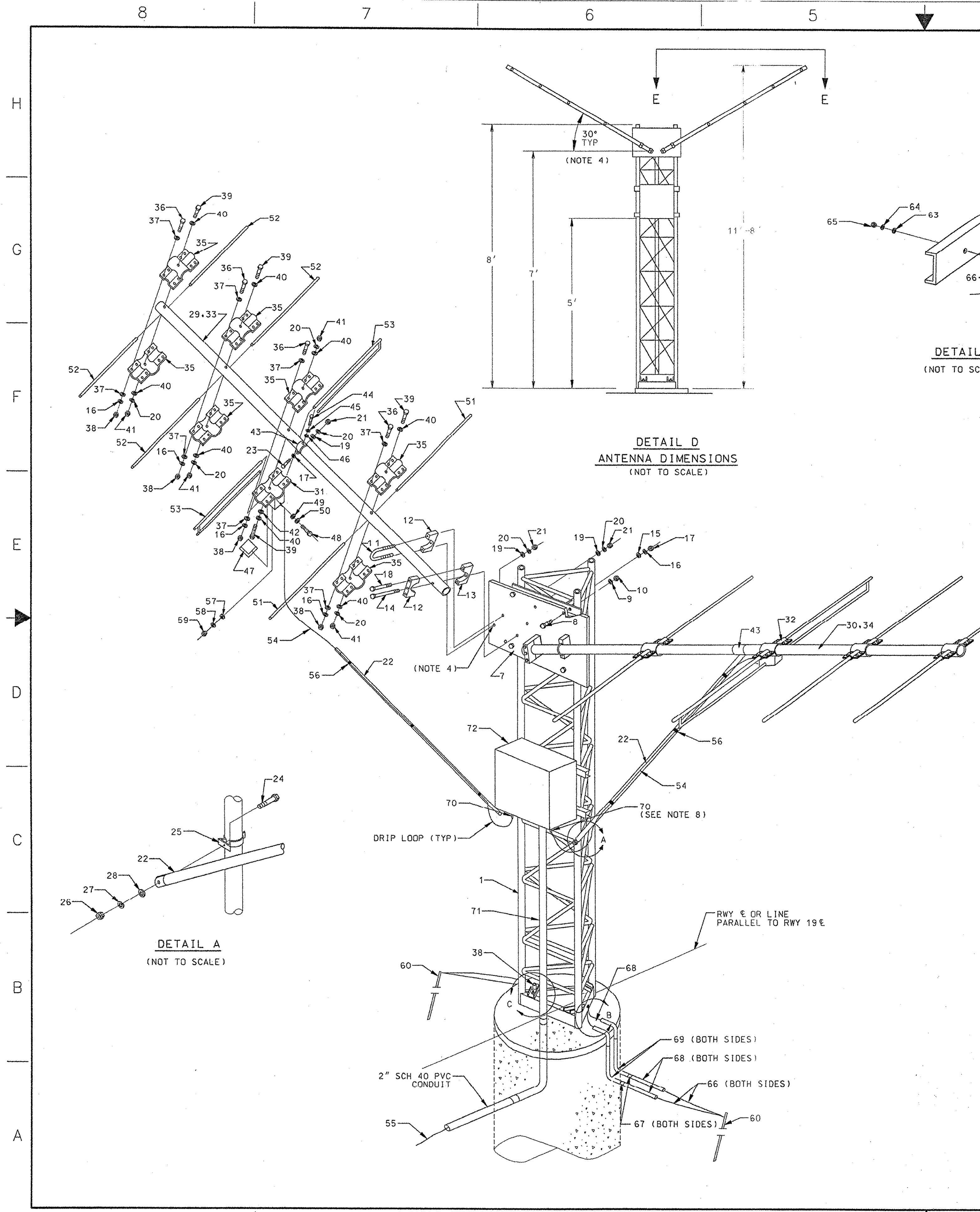
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
BOSTON IMPLEMENTATION CENTER BURLINGTON, MA 01808
RUNWAY 19 (GL) FAN MARKER (FM)

**ELECTRICAL
DETAILS**

| | | |
|-----------------------------------|------------------------------------|-----------------------------------|
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| REVIEWED BY <i>[Signature]</i> | SUBMITTED BY <i>[Signature]</i> | APPROVED BY <i>[Signature]</i> |
| DESIGNED D. DALBIE, AN-180 | ISSUED BY P. KIRBY, AN-180 | DATE 02/14/2002 |
| DRAWN [Blank] | NAS IMPLEMENTATION ANI-100 | SCALE 3426 REV A |
| CHECKER [Blank] | | NE-D-27464-E001 |



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NOTES

1. INSTALL TOWER ANCHOR BOLTS SO THAT FACE OF TOWER IS PERPENDICULAR TO RUNWAY CENTERLINE EXTENDED. RUNWAY 19 CENTERLINE AZIMUTH: 178° 31' 48" (TRUE).
2. PART OF TOWER, NO WILCOX PART NUMBER AVAILABLE.
3. ITEMS NOTED WITH AN ASTERISK (*) SHALL BE CONTRACTOR FURNISHED.
4. OPTIONAL MOUNTING HOLES ARE FURNISHED IN THE V-YAGI MOUNTING PLATE. ONE SET PROVIDES AN ANTENNA ANGLE OF 120° AXIS FOR THE STANDARD RADIATION PATTERN MAJOR AXIS AND THE SECOND SET PROVIDES AN ANTENNA ANGLE OF 90° FOR A NARROWER RADIATION PATTERN MAJOR AXIS.
5. BOTH ITEMS ARE FACTORY ASSEMBLED AND INCLUDES ITEMS 31 THRU 50.
6. THE OUTER MARKER SUBSYSTEM CONSISTS OF THE WILCOX DUAL YAGI ANTENNA 447993-0100, ANTENNA TOWER 447991-0100 AND INSTALLATION KIT 069207-0003.
7. THE CONTRACTOR SHALL INSTALL ALL MATERIAL UNLESS OTHERWISE NOTED.
8. INTERFACE ANTENNA LEADS TO ENCLOSURE BOTTOM WITH APPROVED "CHINESE FINGER" TYPE CABLE STRAIN RELIEF.

PARTS LIST (CONT.)

| ITEM | QTY | DESCRIPTION | WPN |
|------|-----|----------------------------------------------|-----|
| 72 | 1 | ENCLOSURE, 12" X 12" X 6", NEMA 4X, LOCKABLE | * |
| 71 | 1 | SWEEP 2" GRSC | * |
| 70 | 2 | CABLE STRAIN RELIEF ("CHINESE FINGER" TYPE) | * |

PARTS LIST

| ITEM | QTY | DESCRIPTION | WPN |
|------|-----|-----------------------------------|-------------|
| 69 | 1 | EL. SWEEP 1" PVC | * |
| 68 | 5' | CND. PVC RIGID 1" | * |
| 67 | 2 | CPLG. CND 1" PVC | * |
| 66 | AR | WIRE, #2 BARE | * |
| 65 | 2 | NUT, HEX SST 5/16"-18 | * |
| 64 | 2 | WASHER, LOCK SST 5/16" | * |
| 63 | 4 | WASHER, FLAT SST 5/16" | * |
| 62 | 2 | BOLT, HEX SST 5/16"-18 X 1" L | * |
| 61 | 2 | LUG, GND | * |
| 60 | 2 | ROD, GND | * |
| 59 | 2 | NUT, HEX #10-32 | 930000-0104 |
| 58 | 2 | WASHER, LOCK #10 | 926001-0081 |
| 57 | 2 | WASHER, FLAT #10 | 925000-0809 |
| 56 | 6 | TIE, WRAP | 094675-0001 |
| 55 | 1 | CABLE, RF 30' (XMIT W1) RG-214 | 632695-0001 |
| 54 | 1 | CABLE, RF 19.5' (XMIT W3) RG-214 | 632955-0001 |
| 53 | 4 | ANT. ELEMENT DRIVEN 34.75" | 447757-0001 |
| 52 | 8 | ANT. ELEMENT DIRECTOR 33.25" | 447756-0001 |
| 51 | 4 | ANT. ELEMENT REFLECTOR 38.25" | 447756-0003 |
| 50 | 2 | WASHER, LOCK #4 | 926001-0078 |
| 49 | 2 | WASHER, FLAT #4 | 925000-0803 |
| 48 | 2 | SCREW, MACHINE #4-40 X 3/8" | 915012-0015 |
| 47 | 2 | COVER, PLATE | 288927-0001 |
| 46 | 2 | WASHER, FLAT #6 | 925000-0805 |
| 45 | 2 | WASHER, LOCK #6 | 926001-0079 |
| 44 | 2 | SCREW, MACH. #6-32 X 3/8" | 915013-0028 |
| 43 | 2 | CLAMP, PIPE 2-1/2" | 094755-0001 |
| 42 | 2 | GASKET, SILICONE RUBBER | 264800-0001 |
| 41 | 8 | NUT, HEX 5/16"-18 | 100098-0510 |
| 40 | 16 | WASHER, FLAT 5/16" | 925000-0813 |
| 39 | 8 | BOLT, HEX 5/16"-18 X 3-1/2" | 919063-0040 |
| 38 | 64 | NUT, HEX 3/8"-16 | 100098-0610 |
| 37 | 128 | WASHER, FLAT 3/8" | 925000-0814 |
| 36 | 64 | BOLT, HEX 3/8"-16 X 1" | 919062-0051 |
| 35 | 14 | CLAMP, ELEMENT | 094795-0001 |
| 34 | 1 | BOOM, ANT. (RH) | 078703-0003 |
| 33 | 1 | BOOM, ANT. (LH) | 078703-0001 |
| 32 | 1 | CLAMP, ELEMENT W/BALUN (RH) | 118962-0001 |
| 31 | 1 | CLAMP, ELEMENT W/BALUN (LH) | 118962-0002 |
| 30 | 1 | ASSY, ANT. BOOM, (RH) (NOTE 5) | 118949-0003 |
| 29 | 1 | ASSY, ANT. BOOM, (LH) (NOTE 5) | 110949-0002 |
| 28 | 2 | WASHER, FLAT 1/4" | 925000-0007 |
| 27 | 2 | WASHER, LOCK 1/4" | 926001-0082 |
| 26 | 2 | NUT, HEX 1/4"-20 | 930000-2254 |
| 25 | 2 | HANGER, CND 1" | 033698-0003 |
| 24 | 2 | SCREW, MACH. 1/4"-20 X 1" L | 915016-0083 |
| 23 | 2 | BOLT, HEX 5/16"-18 X 1-1/4" | 919063-0031 |
| 22 | 2 | ROD, BOOM SUPPORT | 078649-0001 |
| 21 | 8 | NUT, HEX 5/16"-18 | 930000-2314 |
| 20 | 12 | WASHER, LOCK 5/16" | 926001-0083 |
| 19 | 8 | WASHER, FLAT 5/16" | 925001-0008 |
| 18 | 4 | BOLT, HEX 5/16"-18 X 3" L | 919063-0038 |
| 17 | 2 | NUT, HEX 3/8"-16 | 930000-2384 |
| 16 | 66 | WASHER, LOCK 3/8" | 926001-0084 |
| 15 | 2 | WASHER, FLAT 3/8" | 925001-0009 |
| 14 | 2 | BOLT, HEX 3/8"-16 X 5" L | 919062-0067 |
| 13 | 4 | CLAMP, MTG (NOT THREADED) | 094759-0002 |
| 12 | 2 | CLAMP, MTG (THREADED) | 094759-0001 |
| 11 | 2 | U-BOLT, ANT. MOUNTING 3-1/2" | 302789-0001 |
| 10 | 4 | NUT, HEX 3/8" - 16 | |
| 9 | 4 | WASHER, LOCK 3/8" | |
| 8 | 4 | BOLT, HEX 3/8"-16 X 1-1/4" | |
| 7 | 1 | PLATE, MTG | |
| 6 | 3 | CLAMP, HOLD DOWN CHANNEL | |
| 5 | 6 | SHIM, LEVELING 16 & 22 GAUGE | |
| 4 | 3 | NUT, HEX 7/8"-9 | |
| 3 | 3 | WASHER, LOCK 7/8" | |
| 2 | 3 | BOLT, ANCHOR 7/8"-9 X 18" | |
| 1 | 1 | TOWER SECTION, 8' | 447979-0100 |
| 1 | 1 | SUBSYSTEM, OUTER MKR BCN (NOTE 6) | 447978-0100 |

THIS DRAWING SUPERSEDES DRAWING NE-D-27464-006/C, REV 0, DATED 09/04/1998

| REV | DATE | DESCRIPTION | JCN | REDLINE DATE | APPROVED |
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| A | 02/14/2002 | PROPOSED/WR*6940/sls | 3426 | 01/08/2002 | |

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
 BOSTON IMPLEMENTATION CENTER BURLINGTON, MA 01803
 RUNWAY 19 (GL) FAN MARKER (FM)

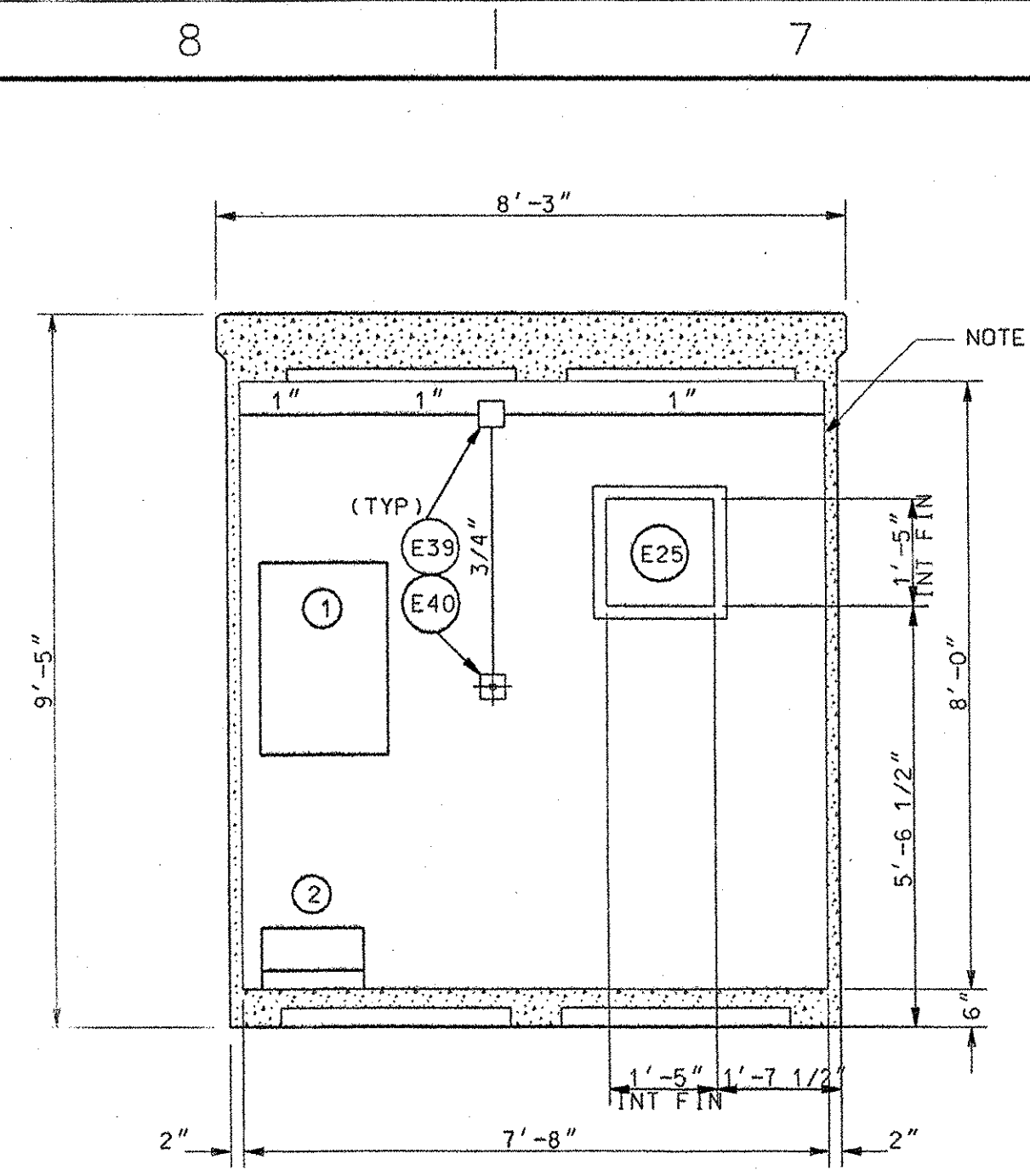
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CHITTENDEN RUTLAND STATE AIRPORT VT

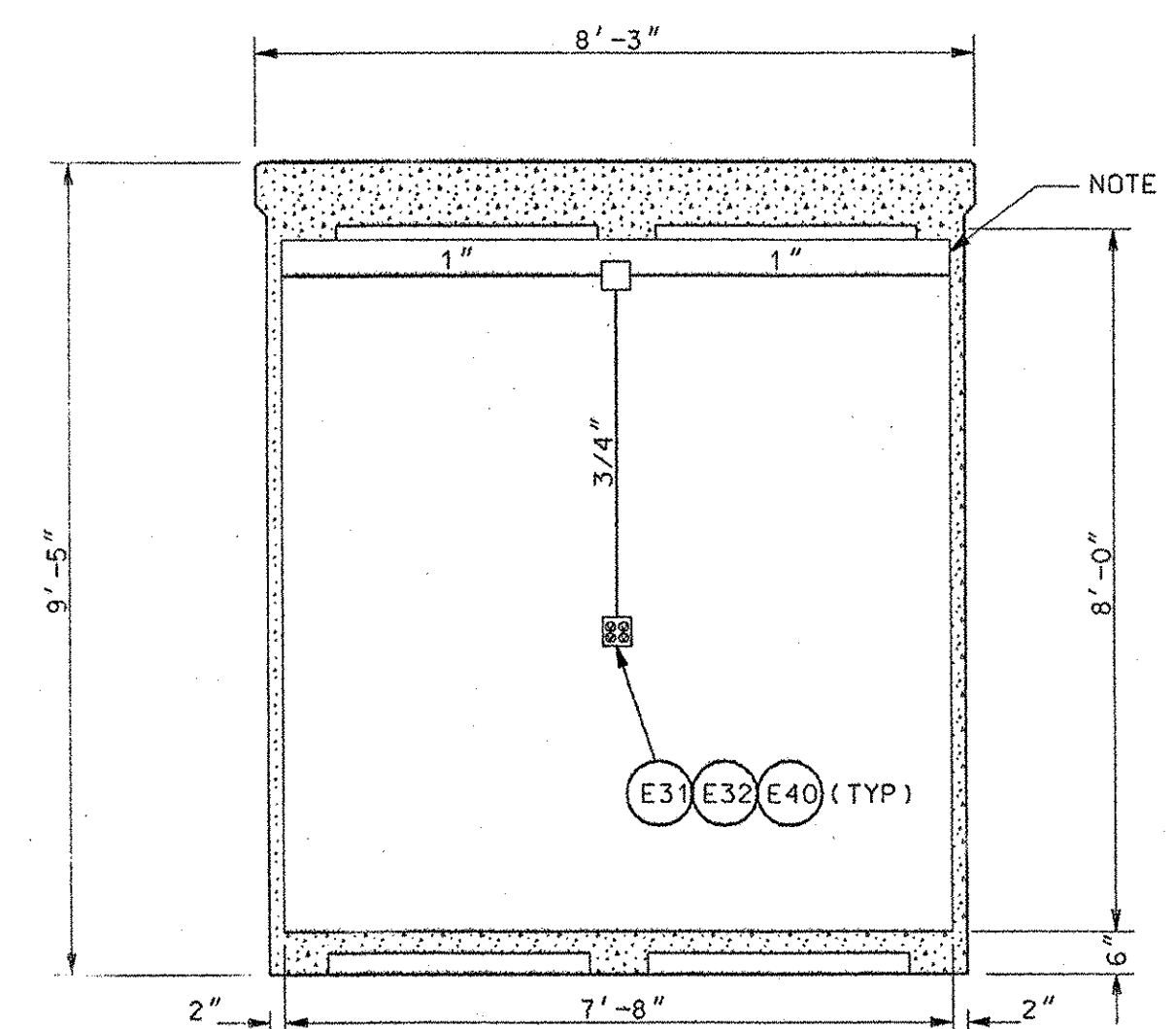
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| DESIGNED BY D. DAUDIER, ANI-180 | ISSUED BY P. KIRBY, ANI-180 | DATE 02/14/2002 |
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| CHECKED BY [Blank] | | REV A |

NE-D-27464-E002

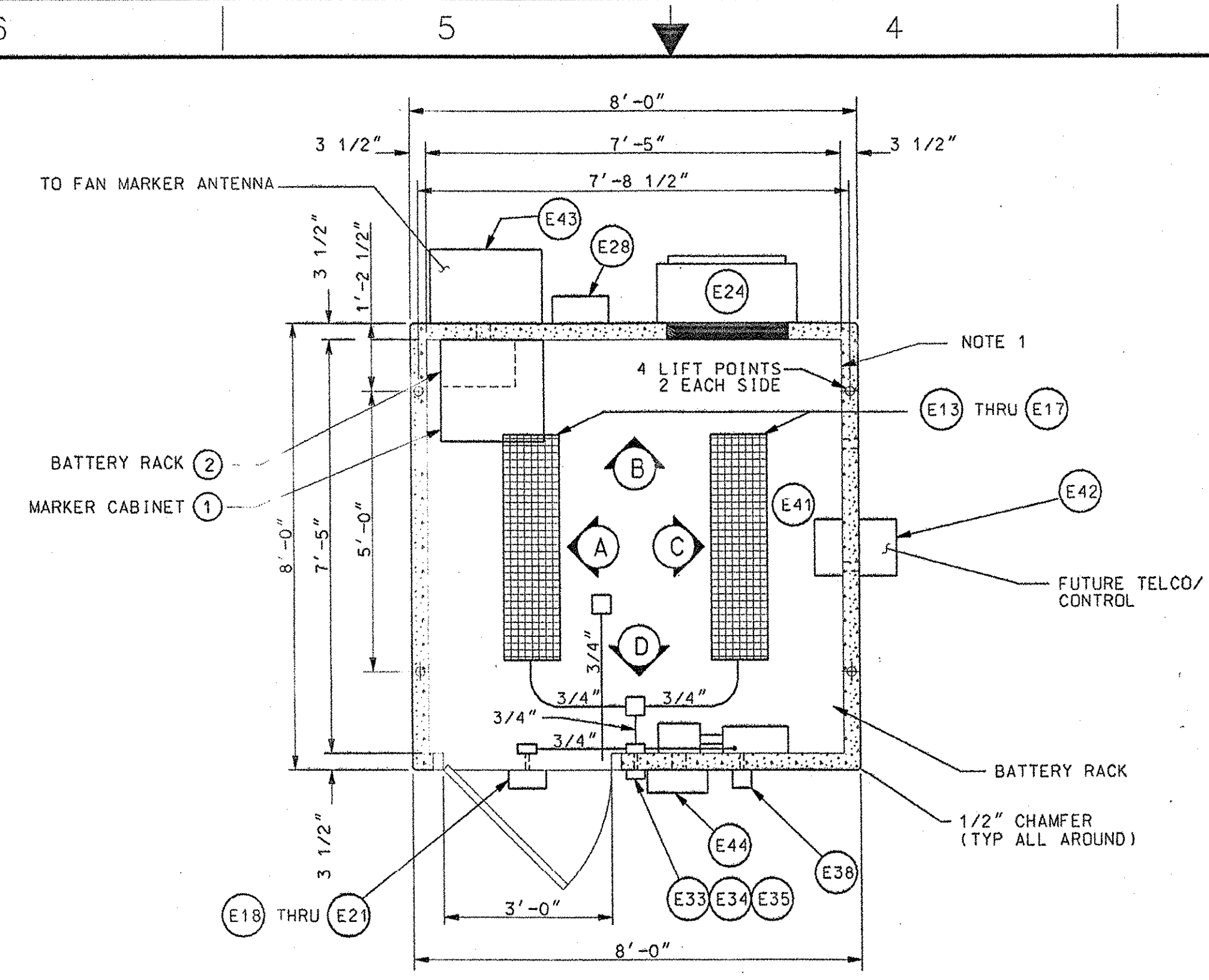
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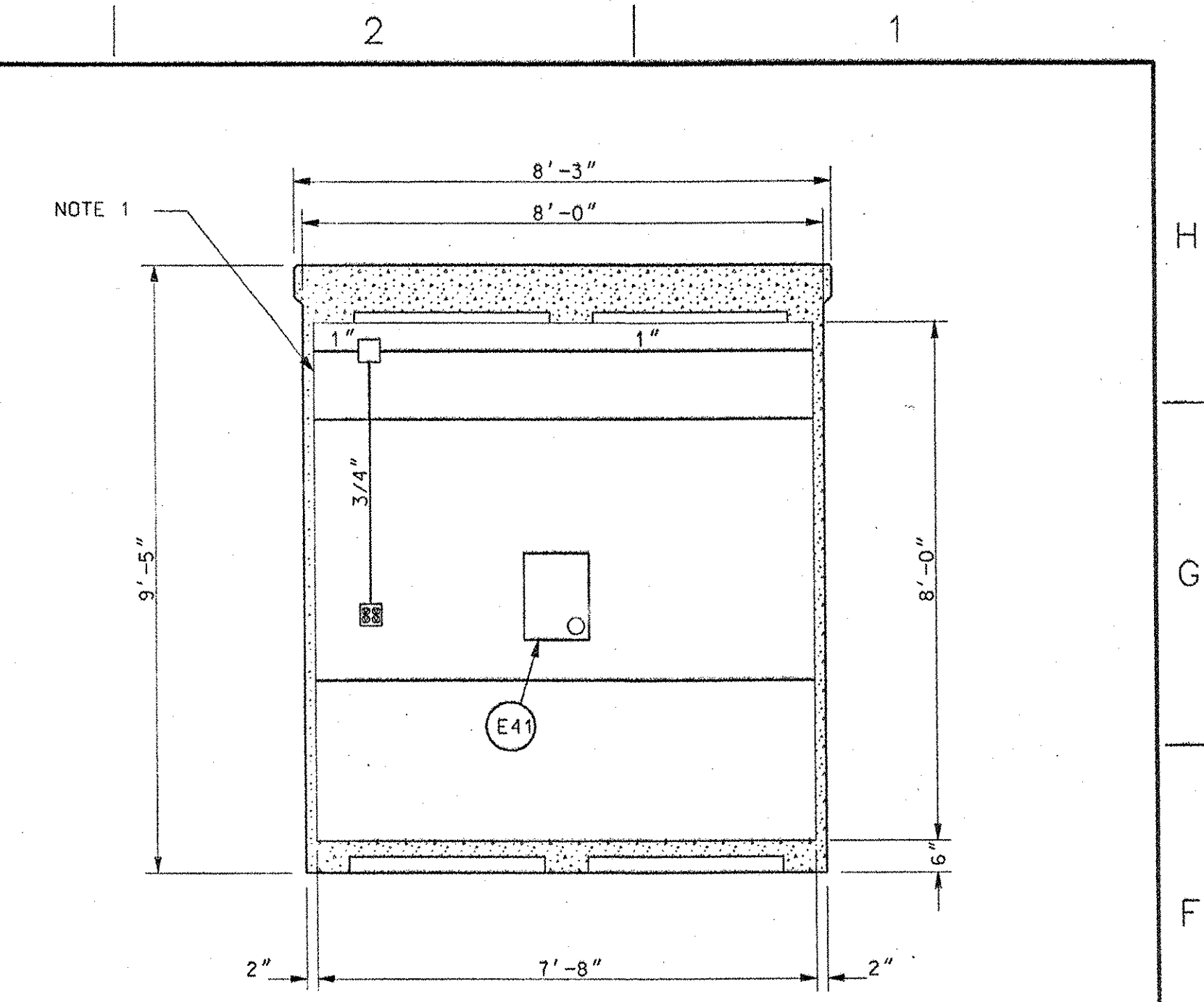
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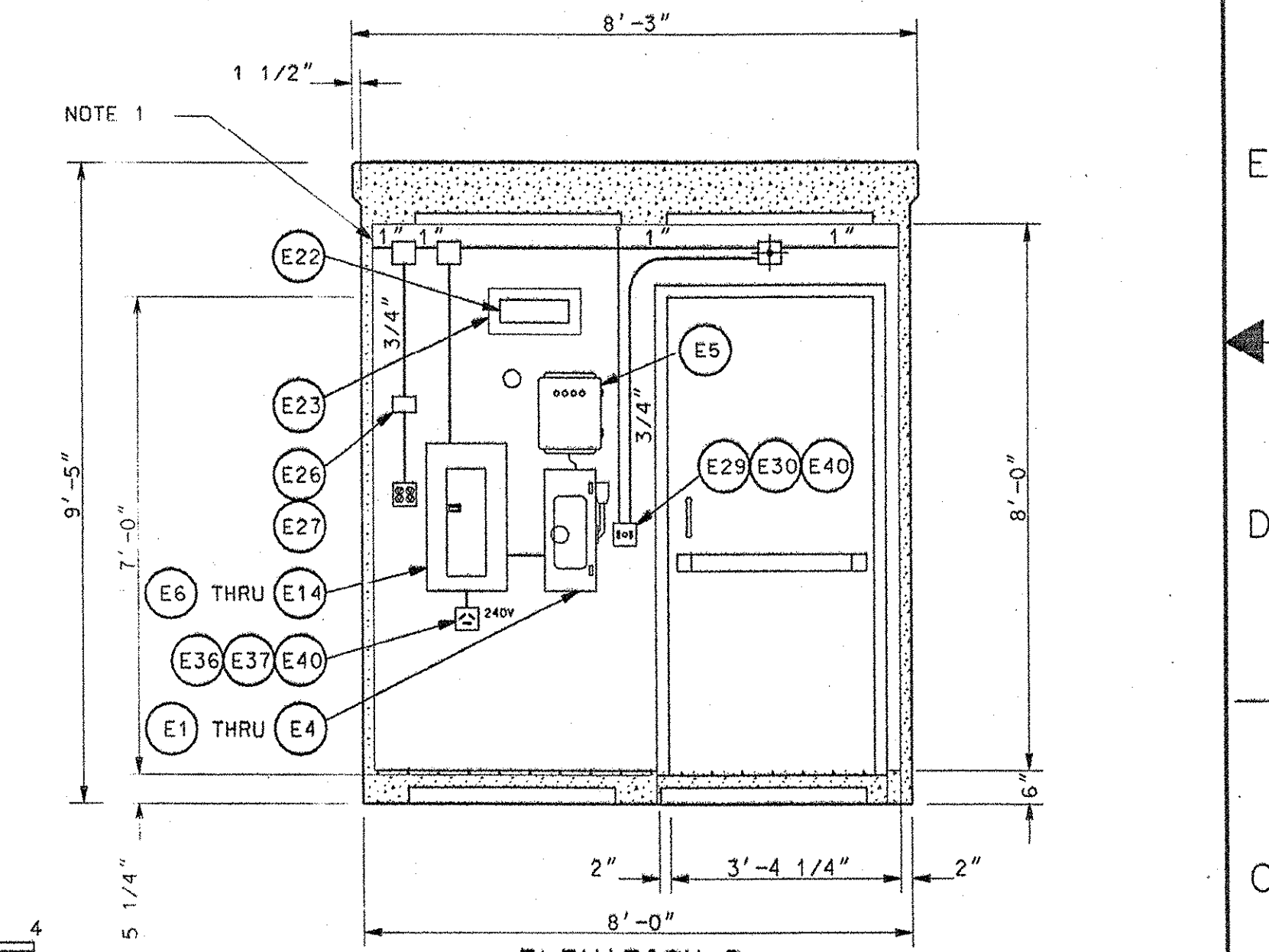
ELEVATION A
SCALE: 1/2" = 1'-0"



PLAN
SCALE: 1/2" = 1'-0"



ELEVATION C
SCALE: 1/2" = 1'-0"



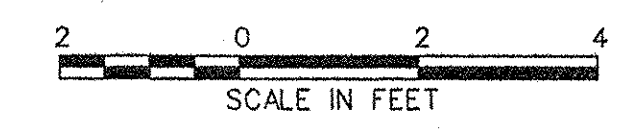
ELEVATION D
SCALE: 1/2" = 1'-0"

NOTES:
1. REMOVE EXISTING FIBER REINFORCED PLASTIC (FRP) PLYWOOD. INSTALL 3" RIGID INSULATION AND REINSTALL FRP PLYWOOD WITH LONGER FASTENERS. RE-MOUNT LIGHTING AND CONDUIT TO CEILING.

REFERENCE ONLY

MATERIAL LIST (GFM) (INSTALLED BY OTHERS)

| | |
|---|---------------------------------------|
| 1 | MARK-1F MARKER CABINET (30 X 22 X 22) |
| 2 | BATTERY RACK |



| ITEM QTY UNITS DESCRIPTION | | | BILL OF MATERIALS | | | ITEM QTY UNITS DESCRIPTION | | | ITEM QTY UNITS DESCRIPTION | | |
|----------------------------|---|----|-----------------------------------------------------------------------------------------------------------------------------------|-----|---|----------------------------|---------------------------------------------------------------------------|-----|----------------------------|----|-------------------------------------------------------------------------------------------------------|
| E1 | 1 | EA | SQUARE D H223N 100A HEAVY DUTY FUSED DISCONNECT SWITCH NEMA TYPE 1 (21 1/5" X 9" X 6 7/16") | E17 | 2 | EA | ADVANCE RIF-1 FILTER | E32 | 4 | EA | HUBBELL S82 2-GANG, 2 DUPLEX RECEPTACLE COVER PLATE |
| E2 | 1 | EA | SQUARE D H100SNC SOLID NEUTRAL ASSEMBLY | E18 | 1 | EA | KENALL 3636 LIGHT, SUITABLE FOR WET LOCATIONS | E33 | 1 | EA | RACO 5101-O DR BELL SC1-GFR GFCI WEATHERPROOF COVER PLATE |
| E3 | 1 | EA | SQUARE D PK0GTC-2 GROUND KIT | E19 | 1 | EA | KENALL 9050 BACK BOX | E34 | 2 | EA | RACO 5386 DR BELL 890-L SINGLE GANG BOX, 3/4" OUTLETS |
| E4 | 4 | EA | BUSS FRN-R-100 100A TD FUSES 250V CLASS R | E20 | 1 | EA | A-19 LIGHT BULB 100W | E35 | 1 | EA | SQUARE D GFSR-120IC 20A 120V GROUND FAULT CIRCUIT INTERRUPTER, IVORY, NEMA 5-20R, UL GROUP 1, CLASS A |
| E5 | 1 | EA | LPC 20206-7 AC POWER SURGE ARRESTOR, 1P, 3W | E21 | 1 | EA | GE PEK120 PHOTOCELL | E36 | 1 | EA | HUBBELL 54621, 20A 250 VAC NEMA 6-20R HD RECEPTACLE |
| E6 | 1 | EA | SQUARE D N00D20M100CU MB 100A RATED PANELBOARD, 20 CIRCUIT WITH 100A MAIN BREAKER AND SOLID NEUTRAL INSTALLED (26" X 14" X 5.75") | E22 | 1 | EA | MULTIPOINT GROUND PLATE KIT, 12" X 4" X .25" COPPER FOR DOUBLE HOLE LUGS | E37 | 1 | EA | HUBBELL S748 2-GANG, 1 DUPLEX RECEPTACLE COVER PLATE |
| E7 | 1 | EA | SQUARE D N0B526 NEMA TYPE 1 BOX | E23 | 1 | EA | CLEAR PLEXIGLASS COVER (16" X 8" X 3/16") WITH 2 EA. INSULATING STANDOFFS | E38 | 1 | EA | HUBBELL 46DR12W 3P 4W 125/250 VAC RECEPTACLE W/ APPROVED BACK BOX |
| E8 | 1 | EA | SQUARE D N0C26S COVER | E24 | 1 | EA | BARD HVAC UNIT - WA121-A03 EXXXXJ 1 TON COOL, 3.6 KW HEAT, 10 SEER MIN | E39 | 10 | EA | HUBBELL S23 2-GANG BLANK COVER PLATE |
| E9 | 1 | EA | SQUARE D PK126TA GROUND KIT | E25 | 1 | EA | BARD SUPPLY / RETURN GRILLE - CRS0-1 | E40 | 16 | EA | STEEL CITY 2-GANG STEEL BOX - 4" X 4" X 2 1/4" |
| E10 | 6 | EA | SQUARE D Q0B115 SINGLE POLE BREAKER 15 AMP | E26 | 1 | EA | BARD T-STAT - MODEL T874D1934, 2 STAGE COOL, 2 STAGE HEAT, P/N 8403-021 | E41 | 2 | EA | HOFFMAN A-16N126 (16" X 12" X 6") NEMA TYPE 1 HINGED RT WITH LATCH |
| E11 | 6 | EA | SQUARE D Q0B120 SINGLE POLE BREAKER 20 AMP | E27 | 1 | EA | BARD T-STAT SUB BASE - MODEL Q674A1001 - P/N 8404-012 | E42 | 2 | EA | HOFFMAN A-16128JFGOR (15.50" X 12.00" X 8.28") LOCKABLE, FIBERGLASS |
| E12 | - | - | NOT USED | E28 | 1 | EA | CONNECTICUT ELECTRIC N6000NF NON-FUSIBLE HVAC DISCONNECT | E43 | 1 | EA | HOFFMAN A-30H2416G0RLP (30.25" X 24.25" X 16.00") LOCKABLE, FIBERGLASS |
| E13 | 3 | EA | SQUARE D Q0B220 DOUBLE POLE BREAKER 20 AMP COMMON TRIP | E29 | 2 | EA | HUBBELL CS1201, 20A 120-277V SP SPECIFICATION GRADE QUIET SWITCH, IVORY | E44 | 1 | EA | MURRAY RH173CR (19 7/8" X 12 7/8" X 5") HEAVY DUTY METER SOCKET |
| E14 | 1 | EA | SQUARE D Q0B260VH DOUBLE POLE BREAKER 60 AMP COMMON TRIP | E30 | 1 | EA | HUBBELL S2 2-GANG, 2 SWITCH COVER PLATE | | | | |
| E15 | 2 | EA | 4' X 1' FLUORESCENT LIGHT FIXTURE WITHOUT AUTO RESTART FEATURE 40W RAPID START CLASS P | E31 | 8 | EA | HUBBELL 5362T 2P 3W 20A 125V DUPLEX RECEPTACLE, HD, NEMA 5-20R, IVORY | | | | |
| E16 | 4 | EA | DAYTON F40CW LAMPS 3V478, 4' FLUORESCENT LIGHT TUBES, 40W, COOL WHITE | | | | | | | | |

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|----------|--------|--------------------|------------|-----|------|
| DESIGNED | JMM/DD | ISSUED BY | DATE | JCN | REV |
| DRAWN | sls | NAS IMPLEMENTATION | 08/13/2002 | | 3426 |
| CHECKED | | ANN-100 | | | |

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
BOSTON IMPLEMENTATION CENTER BURLINGTON, MA 01803
RUNWAY 19 (GL) FAN MARKER (FM)
EQUIPMENT SHELTER
INTERIOR
ELEVATIONS

CHITTENDEN RUTLAND STATE AIRPORT VT

REVIEWED BY: [Signature] SUBMITTED BY: [Signature] APPROVED BY: [Signature]

DESIGNED: D. DAUDIER, ANI-180
DRAWN: sls
CHECKED: [Signature]

ISSUED BY: P. KIRBY, ANI-180
DATE: 08/13/2002
DRAWING NO: NE-D-27464-E004
REV: []

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THIS DRAWING PRODUCED ON THE NEW ENGLAND REGION MICROSTATION SYSTEM

8 7 6 5 4 3 2 1

FAN MARKER LEASE PLOT DESCRIPTION

BEGINNING AT A POINT (PIPE) LOCATED APPROXIMATELY S 42° 06' 00" W, 92.50 FEET FROM THE CENTER OF THE CUL-DE-SAC OF HAWLEY LANE, THENCE PROCEED S 9° 21' 25" W, 186.31 FEET TO A POINT, THENCE PROCEED S 21° 22' 25" E, 285.14 FEET TO A POINT, THENCE PROCEED S 11° 17' 16" E, 226.45 FEET TO A POINT, SAID POINT MARKING THE POINT OF BEGINNING #1 (P.O.B. #1) OF THE FAN MARKER SITE:

THENCE PROCEED N 78° 24' 49" E, 50.0 FEET TO A POINT, THENCE PROCEED S 11° 35' 11" E, 80.0 FEET TO A POINT, THENCE PROCEED S 78° 24' 49" W, 50.0 FEET TO A POINT, THENCE PROCEED N 11° 35' 11" W, 80.0 FEET TO P.O.B. #1.

SAID PLOT CONTAINS 0.09 ACRES (4000 SQUARE FEET) MORE OR LESS

ALL BEARINGS ARE TRUE BASED ON "DON PRESCOTT TOWER INC. PROPOSED SUBDIVISION LOT PLAN" BY ROBERTS AND FRANZONI INC., DATED 19 JUNE 1987 AND A MAGNETIC DECLINATION OF 15°W.

ALL BEARINGS ARE BASED ON THE NAD 83 COORDINATE SYSTEM.

ELECTRICAL EASEMENT DESCRIPTION

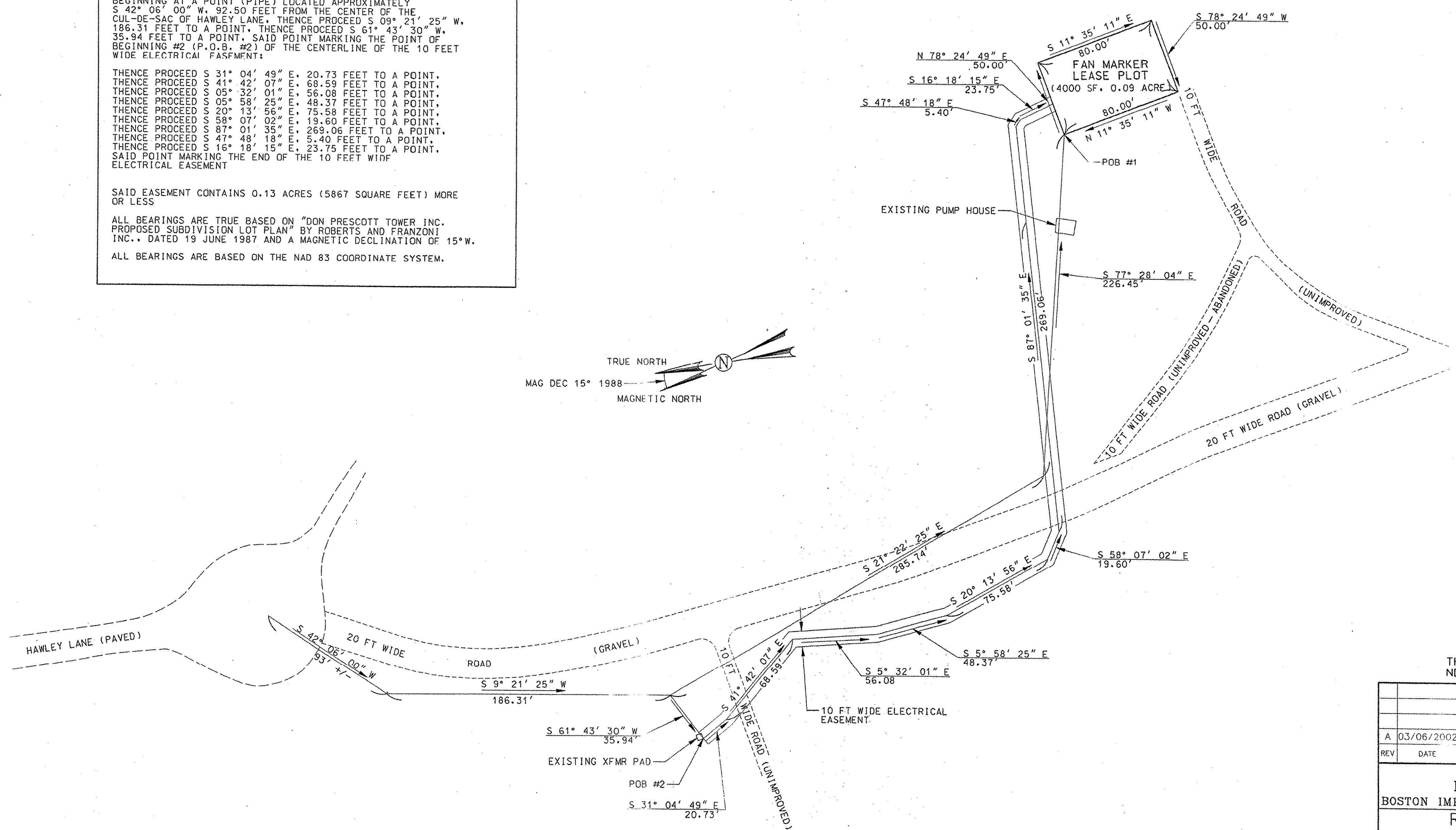
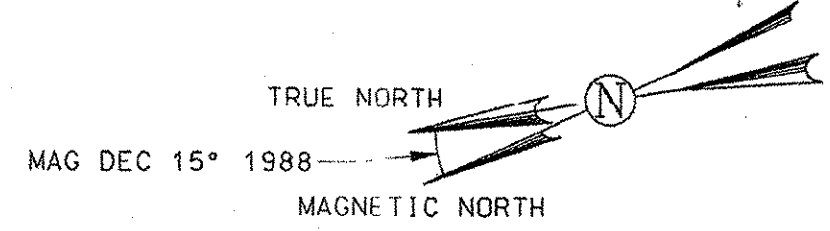
BEGINNING AT A POINT (PIPE) LOCATED APPROXIMATELY S 42° 06' 00" W, 92.50 FEET FROM THE CENTER OF THE CUL-DE-SAC OF HAWLEY LANE, THENCE PROCEED S 09° 21' 25" W, 186.31 FEET TO A POINT, THENCE PROCEED S 61° 43' 30" W, 35.94 FEET TO A POINT, SAID POINT MARKING THE POINT OF BEGINNING #2 (P.O.B. #2) OF THE CENTERLINE OF THE 10 FEET WIDE ELECTRICAL EASEMENT:

THENCE PROCEED S 31° 04' 49" E, 20.73 FEET TO A POINT, THENCE PROCEED S 41° 42' 07" E, 68.59 FEET TO A POINT, THENCE PROCEED S 05° 32' 01" E, 56.08 FEET TO A POINT, THENCE PROCEED S 05° 58' 25" E, 48.37 FEET TO A POINT, THENCE PROCEED S 20° 13' 56" E, 75.58 FEET TO A POINT, THENCE PROCEED S 58° 07' 02" E, 19.60 FEET TO A POINT, THENCE PROCEED S 87° 01' 35" E, 269.06 FEET TO A POINT, THENCE PROCEED S 47° 48' 18" E, 5.40 FEET TO A POINT, THENCE PROCEED S 16° 18' 15" E, 23.75 FEET TO A POINT, SAID POINT MARKING THE END OF THE 10 FEET WIDE ELECTRICAL EASEMENT

SAID EASEMENT CONTAINS 0.13 ACRES (5867 SQUARE FEET) MORE OR LESS

ALL BEARINGS ARE TRUE BASED ON "DON PRESCOTT TOWER INC. PROPOSED SUBDIVISION LOT PLAN" BY ROBERTS AND FRANZONI INC., DATED 19 JUNE 1987 AND A MAGNETIC DECLINATION OF 15°W.

ALL BEARINGS ARE BASED ON THE NAD 83 COORDINATE SYSTEM.



THIS DRAWING SUPERSEDES DRAWING NE-D-27464-100, REV 0, DATED 08/06/1998

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| REV | DATE | DESCRIPTION | JCN | REVISION DATE | APV |
| A | 03/06/2002 | PROPOSED/WR#6940/sls | 3426 | 01/08/2002 | |
| DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION BOSTON IMPLEMENTATION CENTER BURLINGTON, MA 01803 RUNWAY 19 (GL) FAN MARKER (FM) | | | | | |
| LEASE PROPERTY DESCRIPTION | | | | | |
| CHITTENDEN | | RUTLAND STATE AIRPORT | | VT | |
| REVIEWED BY | SUBMITTED BY | APPROVED BY | | | |
| <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | | | |
| DESIGNED | ISSUED BY | DATE | JCN | REV | |
| D. DAUDIER, ANI-180 | P. KIRBY, ANI-180 | 03/06/2002 | 3426 | | |
| DRAWN | NAS IMPLEMENTATION | | | | |
| sls | ANI-100 | | | | |
| CHECKED | sls | NE-D-27464-R001 | | | |

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