ITEM NUMBERS	APPROX. QUANTITIES	ITEMS AND UNIT PRICES BID WRITTEN IN WORDS
201.10	1 L.S.	Clearing and Grubbing
203.15	3938 C.Y. ~~4778 C.Y.~~	Common Excavation
203.16	1 CY	Solid Rock Excavation NOTE: Not a Bid Item
203.20	1417 C.Y.	Muck Excavation
203.31	500 CY	Sand Borrow *Estimated Quantity
203.32	3695 C.Y.	Granular Borrow

ITEM NUMBERS	APPROX. QUANTITIES	ITEMS AND UNIT PRICES BID WRITTEN IN WORDS
204.20	1577 CY ~~4867 C.Y.~~	Trench Excavation of Earth
204.21	1 CY	Trench Excavation of Rock NOTE: Not a Bid Item
204.30	31 CY	Granular Backfill for Structures NOTE: Not a Bid Item
301.15	4746 CY ~~5335 C.Y.~~	Subbase of Gravel
301.26	966 CY ~~1006 C.Y.~~	Subbase of Crushed Gravel (Fine Graded)
406.25	2013 Ton ~~2100 TON~~	Bituminous Concrete Pavement

ITEM NUMBERS	APPROX. QUANTITIES	ITEMS AND UNIT PRICES BID WRITTEN IN WORDS
501.25	48 C.Y. ~~52 C.Y.~~	Concrete, Class B
507.15	3774 Lb. ~~4120 lb~~	Reinforcing Steel
601.1532	50 L. F.	Asphalt Coated Corrugated Galvanized Metal Pipe (2 2/3" x ½" corrugations) 12 Inch, 0.064 " T.
601.2E13	1058 LF ~~1175 L.F.~~	Reinforced Concrete Pipe, 15 Inch, class III
601.2623	255 L.F.	Reinforced Concrete Pipe 18 Inch, Class III
601.6202	1 each	Metal End Sections for Asphalt Coated Corrugated Galvanized Metal Pipe (2 2/3" x ½" Corrugations) 12 Inch, 0.064" T.

ITEM NUMBERS	APPROX. QUANTITIES	ITEMS AND UNIT PRICES BID WRITTEN IN WORDS
601.6613	2 each	Reinforced Concrete Pipe end Section, 18 Inch, Class III
604.11	1 each	Concrete Manhole with Cast Iron Cover
604.45	22 each	Cast Iron Grate with Frame, Type A
605.101	300 lf	6" Underdrain
605.151	100 lf	Underdrain Carrier Pipe
605.95	2 each	Underdrain Flushing Basins

ITEM NUMBERS	APPROX. QUANTITIES	ITEMS AND UNIT PRICES BID WRITTEN IN WORDS
609.10	300 Mgal.	Dust Control with Water
609.15	12 Ton	Dust and Ice Control with Calcium Chloride
613.10	15 c.y.	Stone Fill, Type I
616.16	3890 L.F. ~~4200 L.F.~~	Vertical Granite Curb
618.10	200 S.Y.	Portland Cement Concrete Sidewalk, 5 inch
622.10	.06 M.B.F.	Insulation Board (unit = thousand board feet)

ITEM NUMBERS	APPROX. QUANTITIES	ITEMS AND UNIT PRICES BID WRITTEN IN WORDS
629.33	385 L.F.	1" Plastic Water Pipe rigid
630.10	40 HRS	Uniformed Traffic Officer
630.15	360 HRS	Flagpersons
631.10	1 L.S.	Field Office - Engineers
635.10	LUMP SUM	Mobilization
646.60	5615 L.F. ~~5655 L.F.~~	Durable 4" Reflectorized White Lines

ITEM NUMBERS	APPROX. QUANTITIES	ITEMS AND UNIT PRICES BID WRITTEN IN WORDS
646.61	1580 LF ~~1741 L.F.~~	Durable 4" Reflectorized Yellow Lines
646.62	70 L.F.	Durable 8" Reflectorized White Lines
646.63	24 L.F.	Durable Crosswalk Marking with Diagonal Lines
646.64	24 L.F.	Durable 24" Stop Bar
646.65	34 Each ~~38 Each~~	Durable Arrow Markings
651.10	245 lb	Seed A = 180 lbs B = 65 lbs

ITEM NUMBERS	APPROX. QUANTITIES	ITEMS AND UNIT PRICES BID WRITTEN IN WORDS
651.15	1840 lb	Fertilizer
651.20	3.8 T	Agricultural Limestone
651.25	3.8 T.	Hay Mulch
653.10	800 c.y.	Topsoil
654.20	2000 S.Y.	Erosion Matting
656.123	4 each	Austrian Pine (Pinus nigra) 5'-6'

ITEM NUMBERS	APPROX. QUANTITIES	ITEMS AND UNIT PRICES BID WRITTEN IN WORDS
656.156	96 EACH ~~108 each~~	Dark Am. Arborvitae (Thuja Occidentalis Nigra) 80 @ 2'-2½' in height 12 @ 3-4' in height
656.186	28 each	Greenwave Japanese Yew (Taxus cuspidata "Greenwave") 12"-15"
656.262	4 each	Pinxterbloom (Rhododendron nudiflorum) 15"-24"
656.370	8 each	Japanese Flowering Crabapple (Malusfloribunda) 4'-5'
656.386	8 each	Red Oak (Quercus borealis) 9'-11'
656.505	0 ~~4 each~~	Transplanting Evergreen Trees

ITEM NUMBERS	APPROX. QUANTITIES	ITEMS AND UNIT PRICES BID WRITTEN IN WORDS
675.20	107.2 S.F.	Traffic Signs, Type A
675.25	102 S.F. ~~385 S.F.~~	Traffic Signs, Type B
675.35	1209 lb	Traffic Sign Posts, Type A
675.37	56 lb. ~~1155 lb~~	Traffic Sign Posts, Type C
679.15	Lump Sum	Street Lighting
863.01	300 L.F.	Plastic Duct, Type I

ITEM NUMBERS	APPROX. QUANTITIES	ITEMS AND UNIT PRICES BID WRITTEN IN WORDS
863.02	520 L.F.	Multiple Plastic Ducts in Earth, Type I
863.03	1 L.F.	Single Duct Concrete Encased NOTE: Not a Bid Item.
863.04	355 L.F.	Multiple Duct, Concrete Encased
863.05	1 L.F.	Steel Conduit, Single NOTE: Not a Bid Item
863.06	1 L.F.	Steel Conduit, Multiple NOTE: Not a Bid Item

ITEM NUMBERS	APPROX. QUANTITIES	ITEMS AND UNIT PRICES BID WRITTEN IN WORDS
863.07	LumpSum	Install Septic Tank
863.08	Lump Sum	Remove Dry Well
863.10	Lump Sum	Relocation of Existing Tower Mounted Airport Rotating Beacon
863.11	Lump Sum	New Sewage Pump Station
863.12	Lump Sum	Installation of Miscellaneous Electrical Facilities

NOTE: Some of the Quantities shown above have been revised, to reflect the delation of the Northern Access rd. from this Contract. (See Sheet 3 of 44)

AS BUILT PLANS

I hereby certify that the construction required by this set of drawings has been accomplished satisfactorily.

By Dale R. Horton Resident Engineer

Date 5 FEB '87

SURVEY:
CALCULATED:
CHECKED:
DESIGN:
DRAWN:
TRACED:
APPROVED:
DATE:
SCALE:

PROJ. NO. 5181

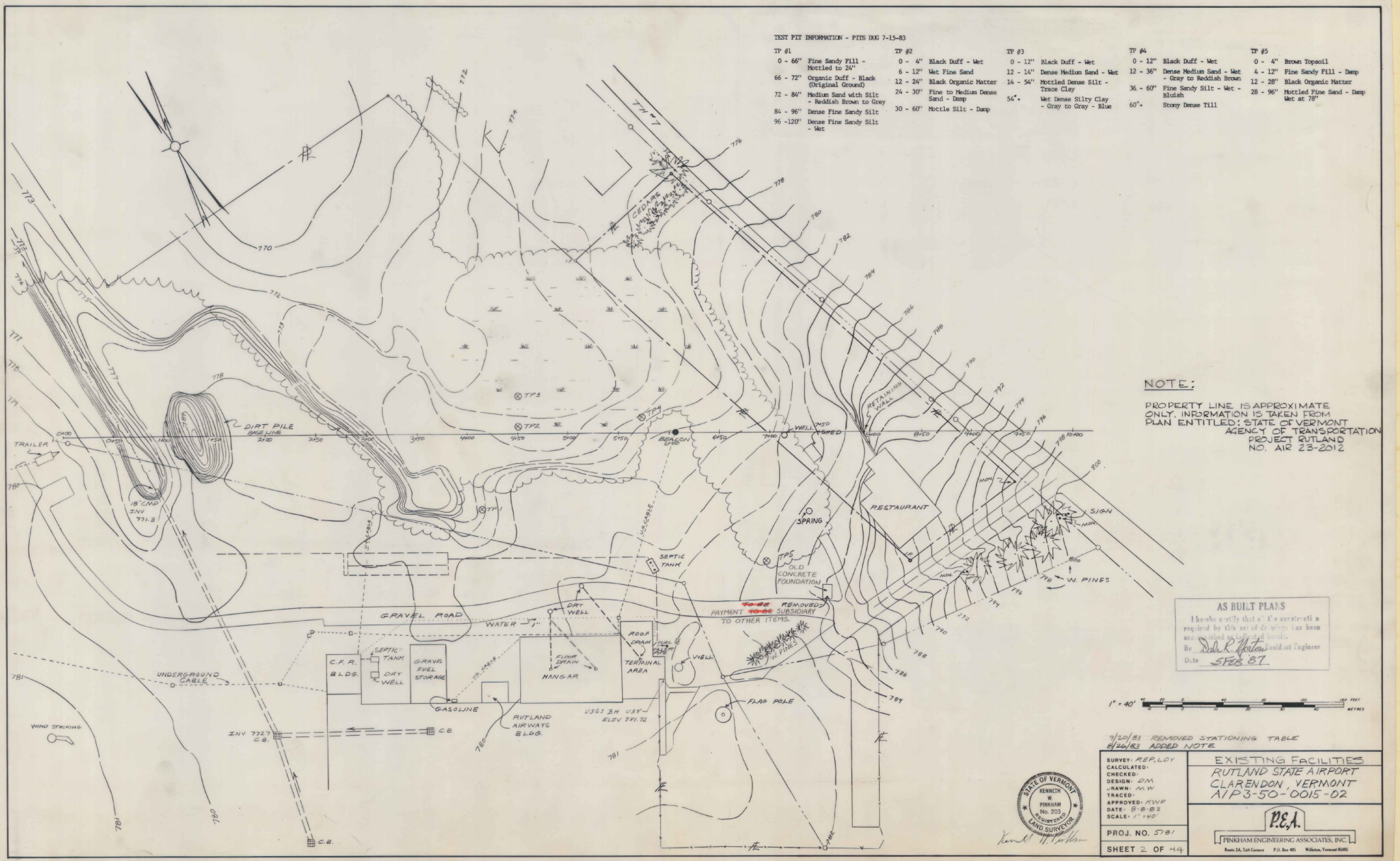
SHEET 1 OF 44

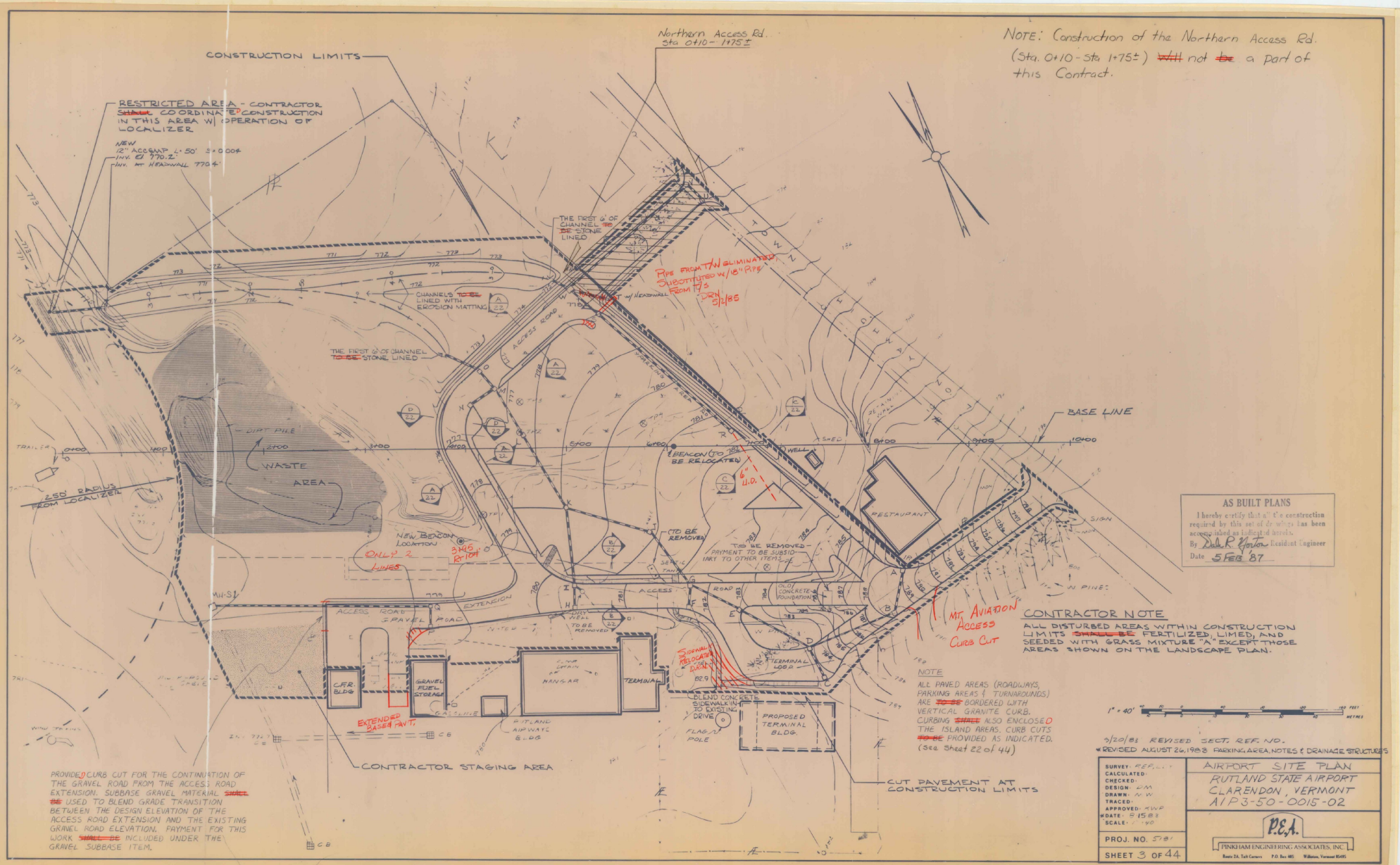
QUANTITY SHEET

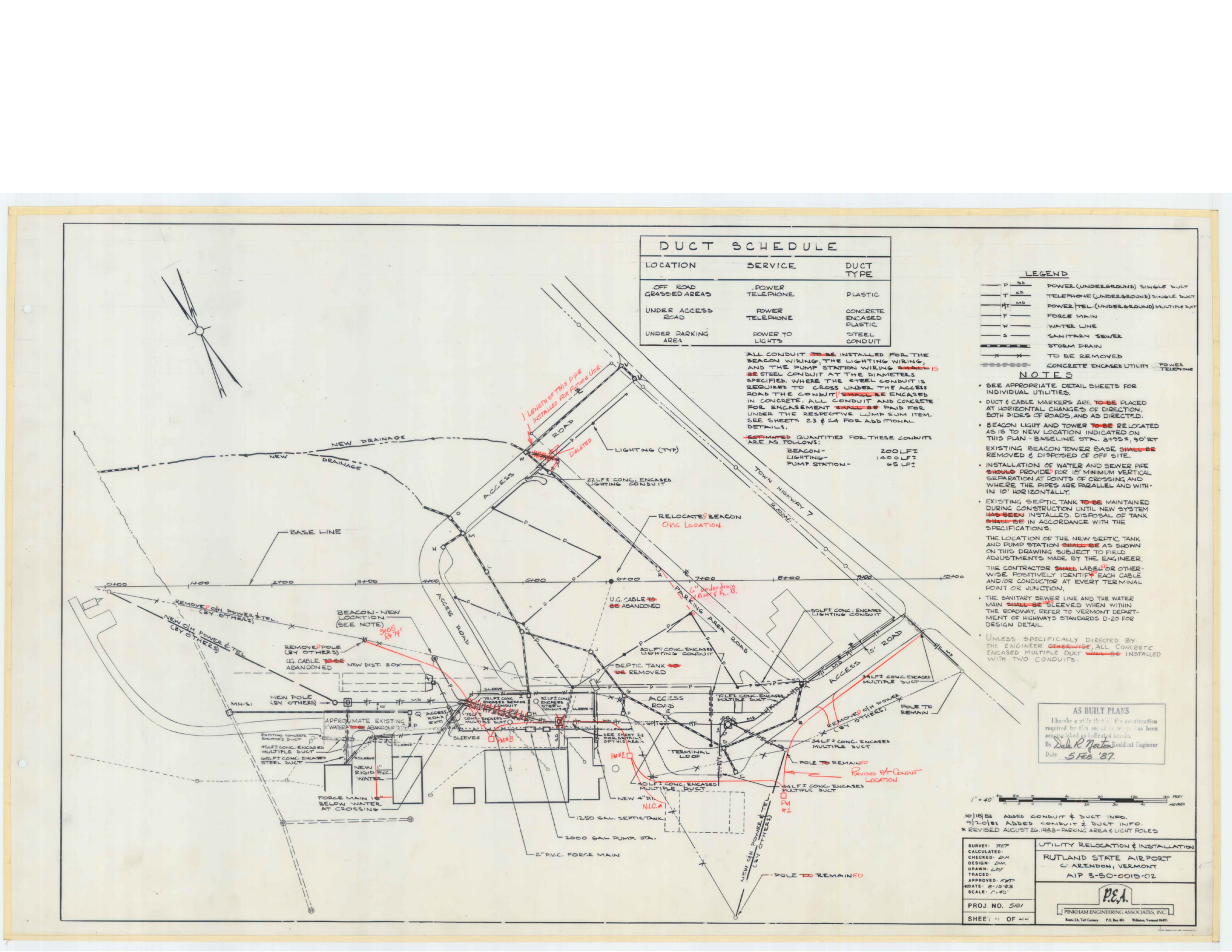
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIP 3-50-0015-02

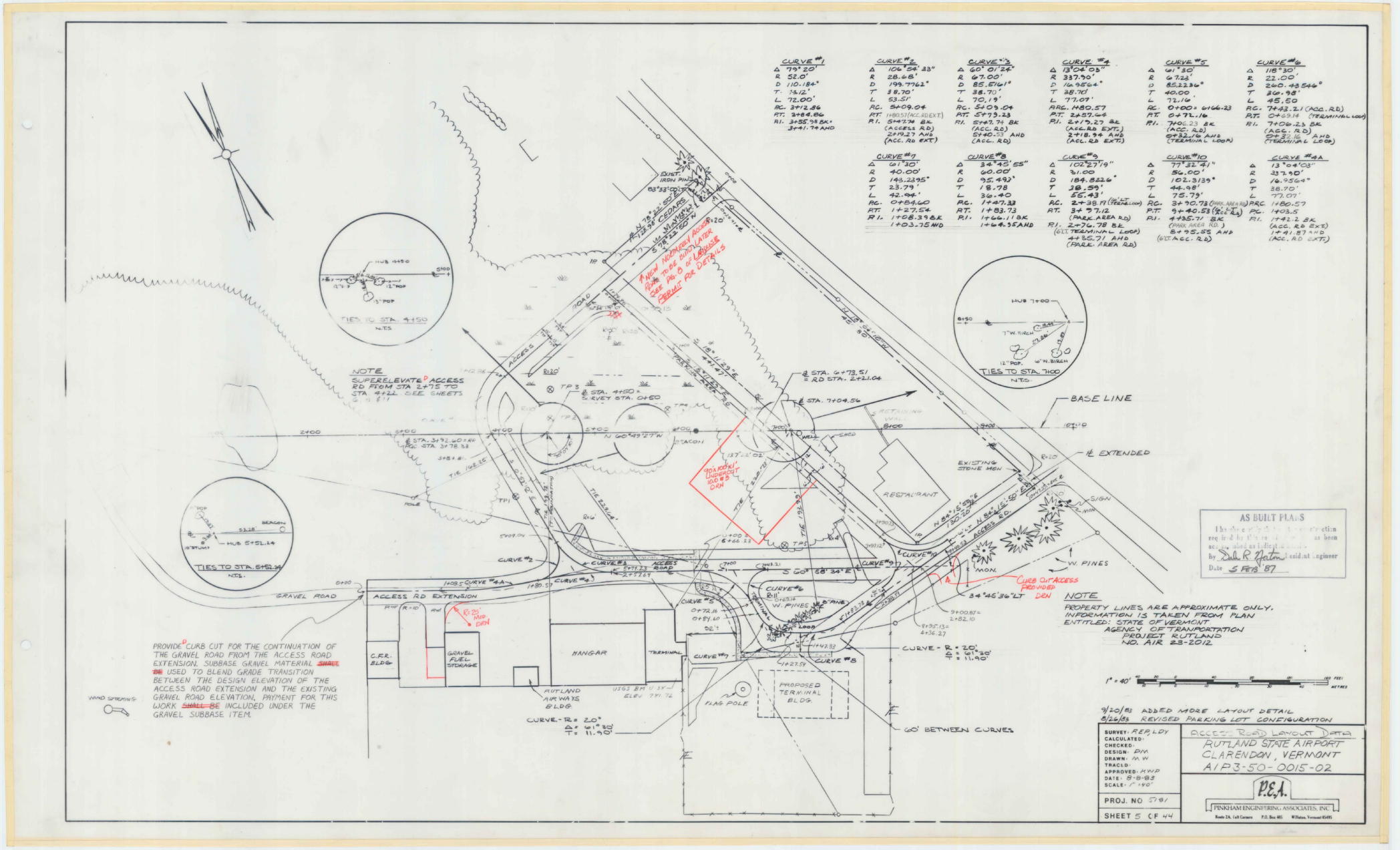
P.E.A.

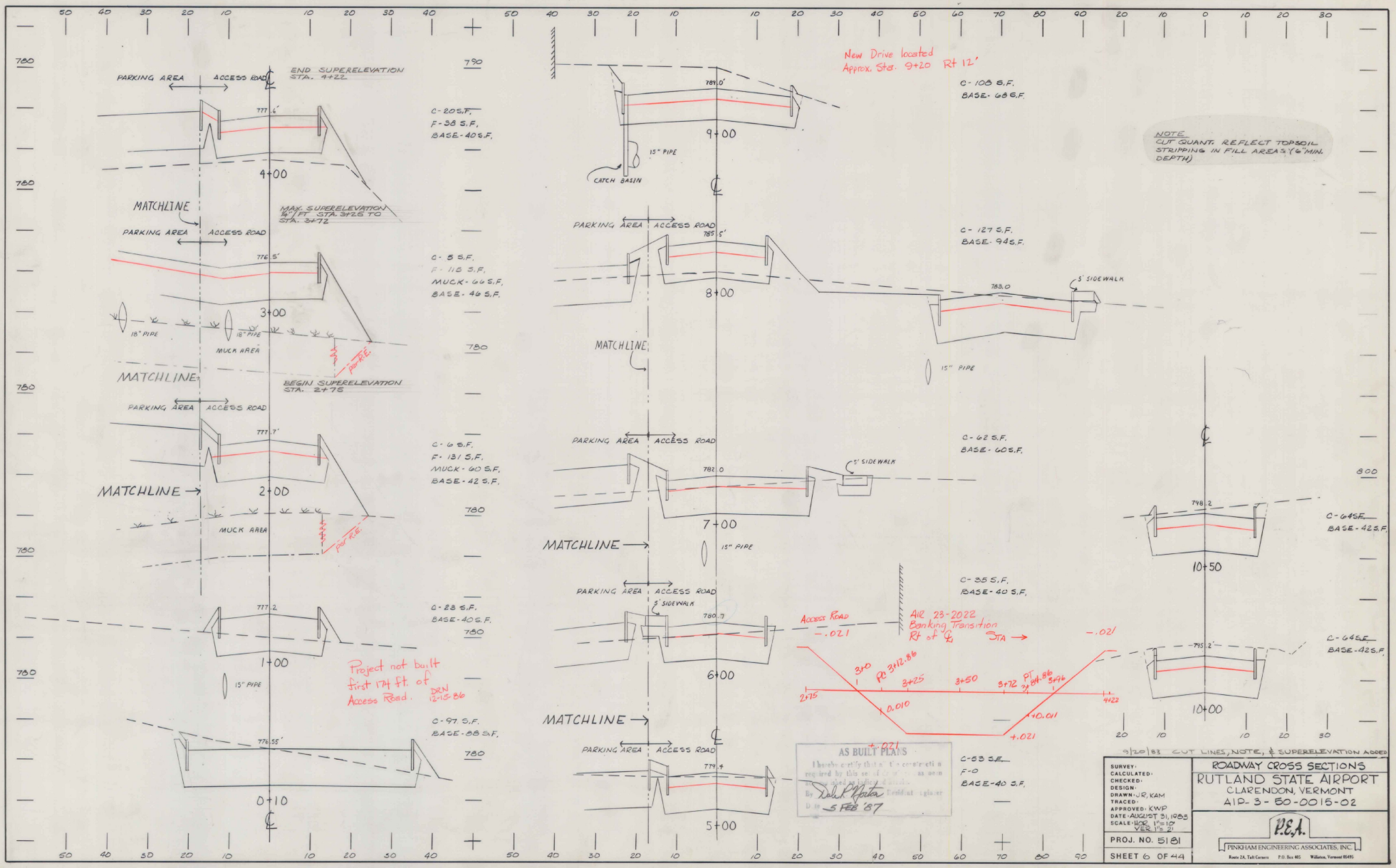
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495

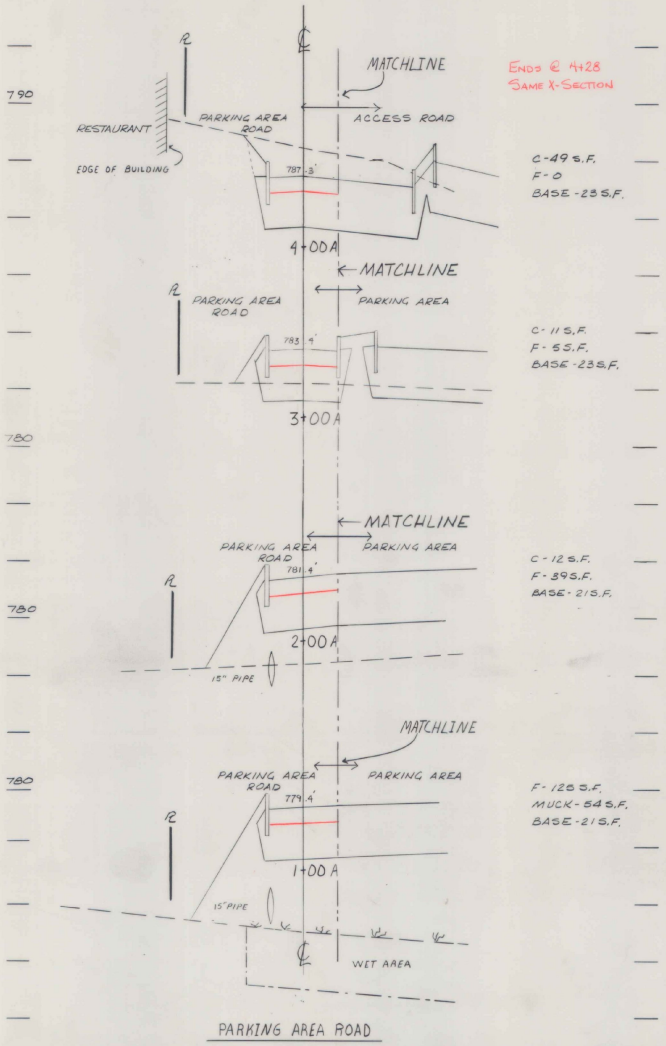

TEST PIT INFORMATION - PITS DUG 7-15-83
TP #1
0 - 66" Fine Sandy Fill - Mottled to 24"
66 - 72" Organic Duff - Black (Original Ground)
72 - 84" Medium Sand with Silt - Reddish Brown to Grey
84 - 96" Dense Fine Sandy Silt
96 -120" Dense Fine Sandy Silt - Wet
TP #2
0 - 4" Black Duff - Wet
6 - 12" Wet Fine Sand
12 - 24" Black Organic Matter
24 - 30" Fine to Medium Dense Sand - Damp
30 - 60" Mottle Silt - Damp
TP #3
0 - 12" Black Duff - Wet
12 - 14" Dense Medium Sand - Wet
14 - 54" Mottled Dense Silt - Trace Clay
54"+ Wet Dense Silty Clay - Gray to Gray - Blue
TP #4
0 - 12" Black Duff - Wet
12 - 36" Dense Medium Sand - Wet - Gray to Reddish Brown
36 - 60" Fine Sandy Silt - Wet - Bluish
60"+ Stony Dense Till
TP #5
0 - 4" Brown Topsoil
4 - 12" Fine Sandy Fill - Damp
12 - 28" Black Organic Matter
28 - 96" Mottled Fine Sand - Damp Wet at 78"
NOTE:
PROPERTY LINE IS APPROXIMATE ONLY. INFORMATION IS TAKEN FROM PLAN ENTITLED: STATE OF VERMONT AGENCY OF TRANSPORTATION PROJECT RUTLAND NO. AIR 23-2012
AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as shown hereon.
By Dale R. Horton Resident Engineer
Date 5 FEB 87
TH #7
TP1
TP2
TP3
TP4
TP5
TRAILER
DIRT PILE
BASE LINE
BEACON
WELL
SHED
RETAINING WALL
RESTAURANT
SIGN
SPRING
OLD CONCRETE FOUNDATION
W. PINES
SEPTIC TANK
GRAVEL ROAD
WATER
DRY WELL
ROOF DRAIN
FUEL TANK FARM
TERMINAL AREA
C.F.R. BLDG.
SEPTIC TANK
DRY WELL
GRAVEL FUEL STORAGE
HANGAR
FLOOR DRAIN
GASOLINE
RUTLAND AIRWAYS BLDG.
USGS BM
ELEV 791.72
FLAG POLE
UNDERGROUND CABLE
WIND STOCKING
INV 772.7 C.B.
C.B.
18" CMP INV 771.8
CEDARS
PAYMENT TO BE REMOVED SUBSIDIARY TO OTHER ITEMS.
1" = 40'
9/20/83 REMOVED STATIONING TABLE
8/26/83 ADDED NOTE.
SURVEY: REF, LDY
CALCULATED:
CHECKED:
DESIGN: DM
DRAWN: MW
TRACED:
APPROVED: KWP
DATE: 8-8-83
SCALE: 1" = 40'
PROJ. NO. 5781
SHEET 2 OF 44
EXISTING FACILITIES
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
A/P 3-50-0015-02
STATE OF VERMONT KENNETH W. PINKHAM No. 203 REGISTERED LAND SURVEYOR
P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 2A, Taft Corners P.O. Box 405 Williston, Vermont 05495

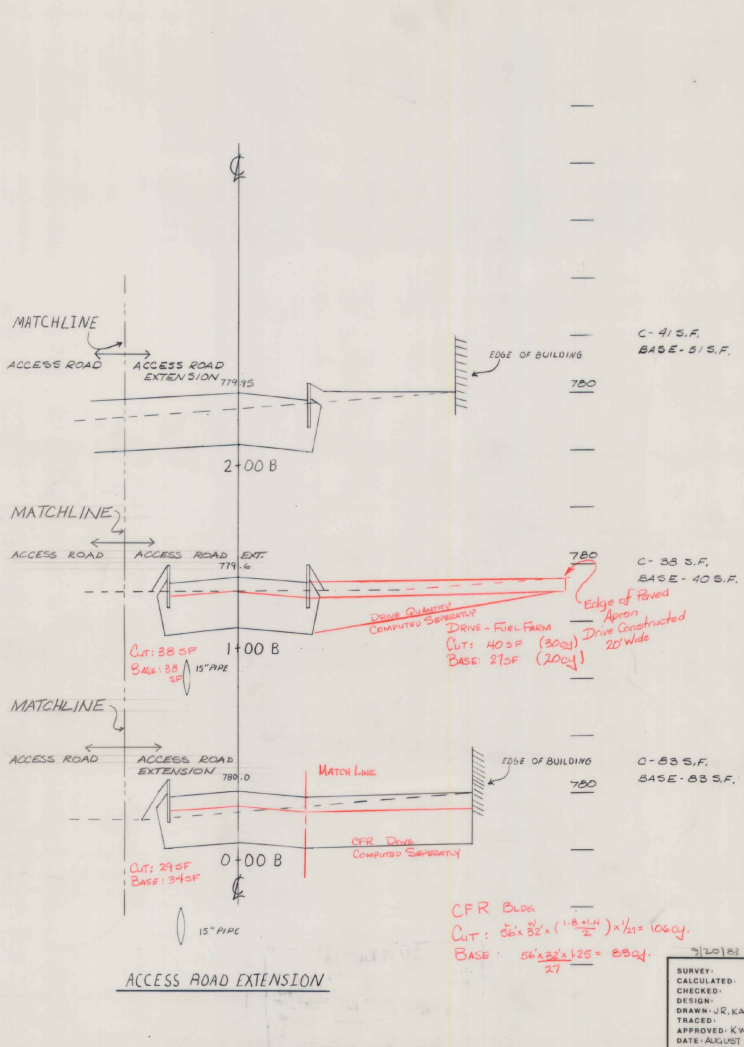

CONSTRUCTION LIMITS
RESTRICTED AREA - CONTRACTOR SHALL COORDINATE CONSTRUCTION IN THIS AREA W/ OPERATION OF LOCALIZER
NEW 12" ACCSAMP L=50' S=0.004 INV. EL 770.2' INV. AT HEADWALL 770.4'
Northern Access Rd. Sta 0+10 - 1+75±
NOTE: Construction of the Northern Access Rd. (Sta. 0+10 - Sta. 1+75±) will not be a part of this Contract.
THE FIRST 6' OF CHANNEL TO BE STONE LINED
CHANNELS TO BE LINED WITH EROSION MATTING
Pipe from T/W eliminated. Substituted w/ 18" pipe from 1+75 - DRN 5/1/85
THE FIRST 6' OF CHANNEL TO BE STONE LINED
ACCESS ROAD
DIRT PILE
WASTE AREA
TRAILER
BASE LINE
BEACON (TO BE RELOCATED)
6" U.D.
WELL
RESTAURANT
SIGN
550' RADIUS FROM LOCALIZER
NEW BEACON LOCATION
ONLY 2 LINES
3+95 R 70+
TO BE REMOVED
TO BE REMOVED - PAYMENT TO BE SUBSID. INKY TO OTHER ITEMS
SEPTIC TANK
ACCESS ROAD
GRAVEL ROAD
EXTENSION
OLD CONCRETE FOUNDATION
MT. AVIATION ACCESS CURB CUT
CONTRACTOR NOTE
ALL DISTURBED AREAS WITHIN CONSTRUCTION LIMITS SHALL BE FERTILIZED, LIMED, AND SEEDED WITH GRASS MIXTURE "A" EXCEPT THOSE AREAS SHOWN ON THE LANDSCAPE PLAN.
DRY WELL TO BE REMOVED
C.F.R. BLDG
GRAVEL FUEL STORAGE
EXTENDED BASE & PAVT.
MAN'S AR
TERMINAL
TERMINAL LOOP
SIDEWALK TO BE RELOCATED DRN
BLEND CONCRETE SIDEWALK IN TO EXISTING DRIVE
FLAG & POLE
PROPOSED TERMINAL BLDG.
PITLAND AIRWAYS BLDG.
CONTRACTOR STAGING AREA
CUT PAVEMENT AT CONSTRUCTION LIMITS
NOTE
ALL PAVED AREAS (ROADWAYS, PARKING AREAS & TURNAROUNDS) ARE BORDERED WITH VERTICAL GRANITE CURB. CURBING SHALL ALSO ENCLOSE THE ISLAND AREAS. CURB CUTS TO BE PROVIDED AS INDICATED. (See Sheet 22 of 44)
PROVIDED CURB CUT FOR THE CONTINUATION OF THE GRAVEL ROAD FROM THE ACCESS ROAD EXTENSION. SUBBASE GRAVEL MATERIAL SHALL BE USED TO BLEND GRADE TRANSITION BETWEEN THE DESIGN ELEVATION OF THE ACCESS ROAD EXTENSION AND THE EXISTING GRAVEL ROAD ELEVATION. PAYMENT FOR THIS WORK SHALL BE INCLUDED UNDER THE GRAVEL SUBBASE ITEM.
AS BUILT PLANS
I hereby certify that all of the construction required by this set of drawings has been accomplished as indicated hereon.
By Dale R. Horton Resident Engineer
Date 5 FEB. 87
1" = 40'
3/20/85 REVISED SECT. REF. NO.
*REVISED AUGUST 26, 1983 PARKING AREA, NOTES & DRAINAGE STRUCTURES
SURVEY: REF. L.L.
CALCULATED:
CHECKED:
DESIGN: E.M.
DRAWN: N.W.
TRACED:
APPROVED: R.W.P.
DATE: 8 1583
SCALE: 1"=40'
PROJ. NO. 578
SHEET 3 OF 44
AIRPORT SITE PLAN
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIP 3-50-0015-02
P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495


DUCT SCHEDULE
LOCATION | SERVICE | DUCT TYPE
OFF ROAD GRASSED AREAS | POWER TELEPHONE | PLASTIC
UNDER ACCESS ROAD | POWER TELEPHONE | CONCRETE ENCASED PLASTIC
UNDER PARKING AREA | POWER TO LIGHTS | STEEL CONDUIT
ALL CONDUIT TO BE INSTALLED FOR THE BEACON WIRING, THE LIGHTING WIRING, AND THE PUMP STATION WIRING SHALL IS BE STEEL CONDUIT AT THE DIMENSIONS SPECIFIED. WHERE THE STEEL CONDUIT IS REQUIRED TO CROSS UNDER THE ACCESS ROAD THE CONDUIT SHALL BE ENCASED IN CONCRETE. ALL CONDUIT AND CONCRETE FOR ENCASEMENT SHALL BE PAID FOR UNDER THE RESPECTIVE LUMP SUM ITEM. SEE SHEETS 23 & 24 FOR ADDITIONAL DETAILS.
ESTIMATED QUANTITIES FOR THESE CONDUITS ARE AS FOLLOWS:
BEACON - 200 LF±
LIGHTING - 1400 LF±
PUMP STATION - 65 LF±
LEGEND
POWER (UNDERGROUND) SINGLE DUCT
TELEPHONE (UNDERGROUND) SINGLE DUCT
POWER TEL. (UNDERGROUND) MULTIPLE DUCT
FORCE MAIN
WATER LINE
SANITARY SEWER
STORM DRAIN
TO BE REMOVED
CONCRETE ENCASED UTILITY POWER TELEPHONE
NOTES
SEE APPROPRIATE DETAIL SHEETS FOR INDIVIDUAL UTILITIES.
DUCT & CABLE MARKERS ARE TO BE PLACED AT HORIZONTAL CHANGES OF DIRECTION, BOTH SIDES OF ROADS, AND AS DIRECTED.
BEACON LIGHT AND TOWER TO BE RELOCATED AS IS TO NEW LOCATION INDICATED ON THIS PLAN - BASELINE STA. 3+95.5, 90' RT
EXISTING BEACON TOWER BASE SHALL BE REMOVED & DISPOSED OF OFF SITE.
INSTALLATION OF WATER AND SEWER PIPE SHOULD PROVIDE FOR 18" MINIMUM VERTICAL SEPARATION AT POINTS OF CROSSING AND WHERE THE PIPES ARE PARALLEL AND WITHIN 10' HORIZONTALLY.
EXISTING SEPTIC TANK TO BE MAINTAINED DURING CONSTRUCTION UNTIL NEW SYSTEM HAS BEEN INSTALLED. DISPOSAL OF TANK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
THE LOCATION OF THE NEW SEPTIC TANK AND PUMP STATION SHALL BE AS SHOWN ON THIS DRAWING SUBJECT TO FIELD ADJUSTMENTS MADE BY THE ENGINEER.
THE CONTRACTOR SHALL LABEL OR OTHERWISE POSITIVELY IDENTIFY EACH CABLE AND/OR CONDUCTOR AT EVERY TERMINAL POINT OR JUNCTION.
THE SANITARY SEWER LINE AND THE WATER MAIN SHALL BE SLEEVED WHEN WITHIN THE ROADWAY. REFER TO VERMONT DEPARTMENT OF HIGHWAYS STANDARDS D-20 FOR DESIGN DETAIL.
UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER OTHERWISE, ALL CONCRETE ENCASED MULTIPLE DUCT SHALL BE INSTALLED WITH TWO CONDUITS.
AS BUILT PLANS
I hereby certify that the construction required by this set of drawings has been accomplished satisfactorily as herein.
By Dale R. Morton Resident Engineer
Date 5 FEB '87
1" = 40'
10/18/83 ADDED CONDUIT & DUCT INFO.
9/20/83 ADDED CONDUIT & DUCT INFO.
* REVISED AUGUST 26, 1983 - PARKING AREA & LIGHT POLES
SURVEY: REP
CALCULATED:
CHECKED: DM
DESIGN: DM
DRAWN: CBY
TRACED:
APPROVED: RWP
DATE: 6-15-83
SCALE: 1"=40'
PROJ. NO. 5181
SHEET 4 OF 44
UTILITY RELOCATION & INSTALLATION
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIP 3-50-0015-02
P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495
LENGTH OF THIS PIPE INSTALLED FOR FUTURE USE
DELETED
LIGHTING (TYP)
22 LF± CONC. ENCASED LIGHTING CONDUIT
NEW DRAINAGE
ACCESS ROAD
TOWN HIGHWAY 7
R.O.W.
RELOCATED BEACON
ORIG LOCATION
BASE LINE
0+00
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
9+00
10+00
1" underdrain
U.G. CABLE TO BE ABANDONED
PARKING AREA
50 LF± CONC. ENCASED LIGHTING CONDUIT
REMOVE O/H POWER & TEL (BY OTHERS)
NEW O/H POWER & TEL (BY OTHERS)
BEACON - NEW LOCATION (SEE NOTE)
3405 13TH
REMOVE POLE (BY OTHERS)
U.G. CABLE TO BE ABANDONED
NEW DIST. BOX
SEPTIC TANK TO BE REMOVED
MH-S1
NEW POLE (BY OTHERS)
APPROXIMATE EXISTING WATER TO BE ABANDONED
ACCESS ROAD EXT.
75 LF± CONC. ENCASED BENEATH CONDUIT
82 LF± CONC. ENCASED STEEL CONDUIT
75 LF± CONC. ENCASED MULTIPLE DUCT
SLEEVES
PM #3
PM #2
SEE SHEET 23 FOR SEPTIC TANK DETAILS
ACCESS ROAD
70 LF± CONC. ENCASED MULTIPLE DUCT
34 LF± CONC. ENCASED MULTIPLE DUCT
REMOVE O/H POWER (BY OTHERS)
POLE TO REMAIN
TERMINAL LOOP
34 LF± CONC. ENCASED MULTIPLE DUCT
POLE TO REMAINED
REVISED AT CONDUIT LOCATION
40 LF± CONC. ENCASED MULTIPLE DUCT
44 LF± CONC. ENCASED MULTIPLE DUCT
PM #1
EXISTING CONCRETE ENCASED DUCT
45 LF± CONC. ENCASED MULTIPLE DUCT
60 LF± CONC. ENCASED STEEL DUCT
NEW 1" RIGID PVC. WATER
FORCE MAIN 18" BELOW WATER AT CROSSING
NEW 4" DI. N.I.C.
12,250 GAL. SEPTIC TANK
2000 GAL PUMP STA.
2" P.V.C. FORCE MAIN
NEW O/H POWER & TEL (BY OTHERS)
POLE TO REMAINED


CURVE #1
Δ 79° 20'
R 52.0'
D 110.184°
T 43.12'
L 72.00'
P.C. 3+12.86
P.T. 3+84.86
P.I. 3+55.98 BK
3+41.74 AHD
CURVE #2
Δ 106° 24' 33"
R 28.68'
D 199.7962°
T 38.70'
L 53.51'
P.C. 5+09.04
P.T. 1+80.57 (ACC. RD EXT.)
P.I. 5+43.74 BK (ACCESS RD)
2+19.27 AHD (ACC. RD EXT.)
CURVE #3
Δ 60° 01' 24"
R 67.00'
D 85.5761°
T 38.70'
L 70.19'
P.C. 5+09.04
P.T. 5+79.23
P.I. 5+47.74 BK (ACC. RD)
5+40.53 AHD (ACC. RD)
CURVE #4
Δ 13°04' 03"
R 337.90'
D 16.9564°
T 38.70'
L 77.07'
P.C. 4+80.57
P.T. 2+57.44
P.I. 2+19.27 BK (ACC. RD EXT.)
2+18.94 AHD (ACC. RD EXT.)
CURVE #5
Δ 61° 30'
R 67.22'
D 85.2286°
T 40.00'
L 72.16'
P.C. 0+00 = 6+66.23
P.T. 0+72.16
P.I. 7+06.23 BK (ACC. RD)
0+32.16 AHD (TERMINAL LOOP)
CURVE #6
Δ 118° 30'
R 22.00'
D 260.43546°
T 260.98'
L 45.50
P.C. 7+43.21 (ACC. RD.)
P.T. 0+69.14 (TERMINAL LOOP)
P.I. 7+06.23 BK (ACC. RD)
0+32.16 AHD (TERMINAL LOOP)
CURVE #7
Δ 61°30'
R 40.00'
D 143.2395°
T 23.79'
L 42.94'
P.C. 0+84.60
P.T. 1+27.54
P.I. 1+08.39 BK
1+03.75 AHD
CURVE #8
Δ 34°45' 55"
R 60.00'
D 95.493°
T 18.78
L 36.40
P.C. 1+47.33
P.T. 1+83.73
P.I. 1+66.11 BK
1+64.35 AHD
CURVE #9
Δ 102°27'19"
R 31.00
D 184.8226°
T 38.59'
L 55.43'
P.C. 2+38.19 (TERMINAL LOOP)
P.T. 3+ 77.12 (PARK. AREA RD)
P.I. 2+76.78 BK (6'LT. TERMINAL LOOP)
4+35.71 AHD (PARK. AREA RD)
CURVE #10
Δ 77°32'41"
R 56.00'
D 102.3139°
T 44.98'
L 75.79'
P.C. 3+90.73 (PARK. AREA RD)
P.T. 9+40.53 (6'LT. ACC. RD)
P.I. 4+35.71 BK (PARK. AREA RD.)
8+95.55 AHD (6'LT. ACC. RD)
CURVE #4A
Δ 13°04'03"
R 337.90'
D 16.9564°
T 38.70'
L 77.07'
P.C. 1+80.57
P.T. 1+03.5
P.I. 1+42.2 BK (ACC. RD EXT)
1+41.87 AHD (ACC. RD EXT.)
NOTE
SUPERELEVATED ACCESS RD FROM STA 2+75 TO STA 4+22. SEE SHEETS G-11
A NEW NOTAMED ACCESS ROAD TO BE BUILT LATER SEE PG. 8 OF LAYOUT PLAN FOR DETAILS
TIES TO STA. 4+50
TIES TO STA. 5+52.24
TIES TO STA. 7+00
HUB 4+50
HUB 5+52.24
HUB 7+00
BEACON
TP 1
TP 2
TP 3
TP 4
TP 5
℄ STA. 4+50 = SURVEY STA. 0+50
℄ STA. 6+73.51 = RD STA. 2+21.04
℄ STA. 7+04.56
℄ STA. 3+92.60 = RD STA. 3+78.33
BASE LINE
℄ EXTENDED
N 60°49'27"W
S 60° 58' 34" E
N 84°15'59" E 150.20'
N 84°15'59" E 150.20'
34°45'36" LT
CURVE - R = 20'
Δ = 61°30'
T = 11.90'
CURVE - R = 20°
Δ = 61°30'
T = 11.90'
60' BETWEEN CURVES
ACCESS ROAD EXTENSION
GRAVEL ROAD
ACCESS ROAD
GRAVEL FUEL STORAGE
C.F.R. BLDG.
HANGAR
TERMINAL
RUTLAND AIR WAYS BLDG.
USGS BM U 3X ELEV 791.72
FLAG POLE
PROPOSED TERMINAL BLDG.
RESTAURANT
EXISTING STONE MON
W. PINES
CURB CUT ACCESS PROVIDED
PROVIDE CURB CUT FOR THE CONTINUATION OF THE GRAVEL ROAD FROM THE ACCESS ROAD EXTENSION. SUBBASE GRAVEL MATERIAL SHALL BE USED TO BLEND GRADE TRANSITION BETWEEN THE DESIGN ELEVATION OF THE ACCESS ROAD EXTENSION AND THE EXISTING GRAVEL ROAD ELEVATION. PAYMENT FOR THIS WORK SHALL BE INCLUDED UNDER THE GRAVEL SUBBASE ITEM.
WIND SOCK
NOTE
PROPERTY LINES ARE APPROXIMATE ONLY. INFORMATION IS TAKEN FROM PLAN ENTITLED: STATE OF VERMONT AGENCY OF TRANSPORTATION PROJECT RUTLAND NO. AIR 23-2012
AS BUILT PLANS
1" = 40'
9/20/93 ADDED MORE LAYOUT DETAIL
8/26/93 REVISED PARKING LOT CONFIGURATION
SURVEY: REP, LDY
CALCULATED:
CHECKED:
DESIGN: PM
DRAWN: MW
TRACED:
APPROVED: AWP
DATE: 8-8-83
SCALE: 1" = 40'
PROJ. NO 5781
SHEET 5 OF 44
ACCESS ROAD LAYOUT DATA
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIP 3-50-0015-02
P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.


PARKING AREA
ACCESS ROAD
END SUPERELEVATION STA. 4+22
4+00
C- 20 S.F.
F- 38 S.F.
BASE- 40 S.F.
MATCHLINE
MAX. SUPERELEVATION ¾" / FT STA. 3+25 TO STA. 3+72
3+00
C- 5 S.F.
F- 118 S.F.
MUCK- 66 S.F.
BASE- 46 S.F.
18" PIPE
MUCK AREA
BEGIN SUPERELEVATION STA. 2+75
2+00
C- 6 S.F.
F- 131 S.F.
MUCK- 60 S.F.
BASE- 42 S.F.
1+00
C- 28 S.F.
BASE- 40 S.F.
15" PIPE
Project not built first 174 ft. of Access Road. DRN 12-15-86
0+10
C- 97 S.F.
BASE- 88 S.F.
New Drive located Approx. Sta. 9+20 Rt 12'
9+00
C- 108 S.F.
BASE- 68 S.F.
CATCH BASIN
NOTE
CUT QUANT. REFLECT TOPSOIL STRIPPING IN FILL AREAS (6" MIN. DEPTH)
8+00
C- 127 S.F.
BASE- 94 S.F.
5' SIDEWALK
7+00
C- 62 S.F.
BASE- 60 S.F.
6+00
C- 35 S.F.
BASE- 40 S.F.
Access Road -.021
AIR 23-2022 Banking Transition Rt of ℄
STA
-.021
3+12.86
3+25
3+50
3+72
3+84.86
3+96
2+75
4+22
+.010
+.021
AS BUILT PLANS
5 FEB '87
5+00
C- 63 S.F.
F- 0
BASE- 40 S.F.
10+50
C- 64 S.F.
BASE- 42 S.F.
10+00
9/20/83 CUT LINES, NOTE, & SUPERELEVATION ADDED
SURVEY:
CALCULATED:
CHECKED:
DESIGN:
DRAWN: JR, KAM
TRACED:
APPROVED: KWP
DATE: AUGUST 31, 1985
SCALE: HOR. 1"=10' VER. 1"= 2'
PROJ. NO. 5181
SHEET 6 OF 44
ROADWAY CROSS SECTIONS
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIP- 3- 50-0015-02
P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495





NOTE
CUT QUANT. REFLECT TOPSOIL STRIPPING IN FILL AREAS (6" MIN. DEPTH)

AS BUILT PLANS
I hereby certify that to the construction required by this set of drawings has been accomplished as indicated hereon.
By Dale R. Morton Resident Engineer
Date 5 Feb '87

3/20/87 CUT LINES AND NOTE ADDED

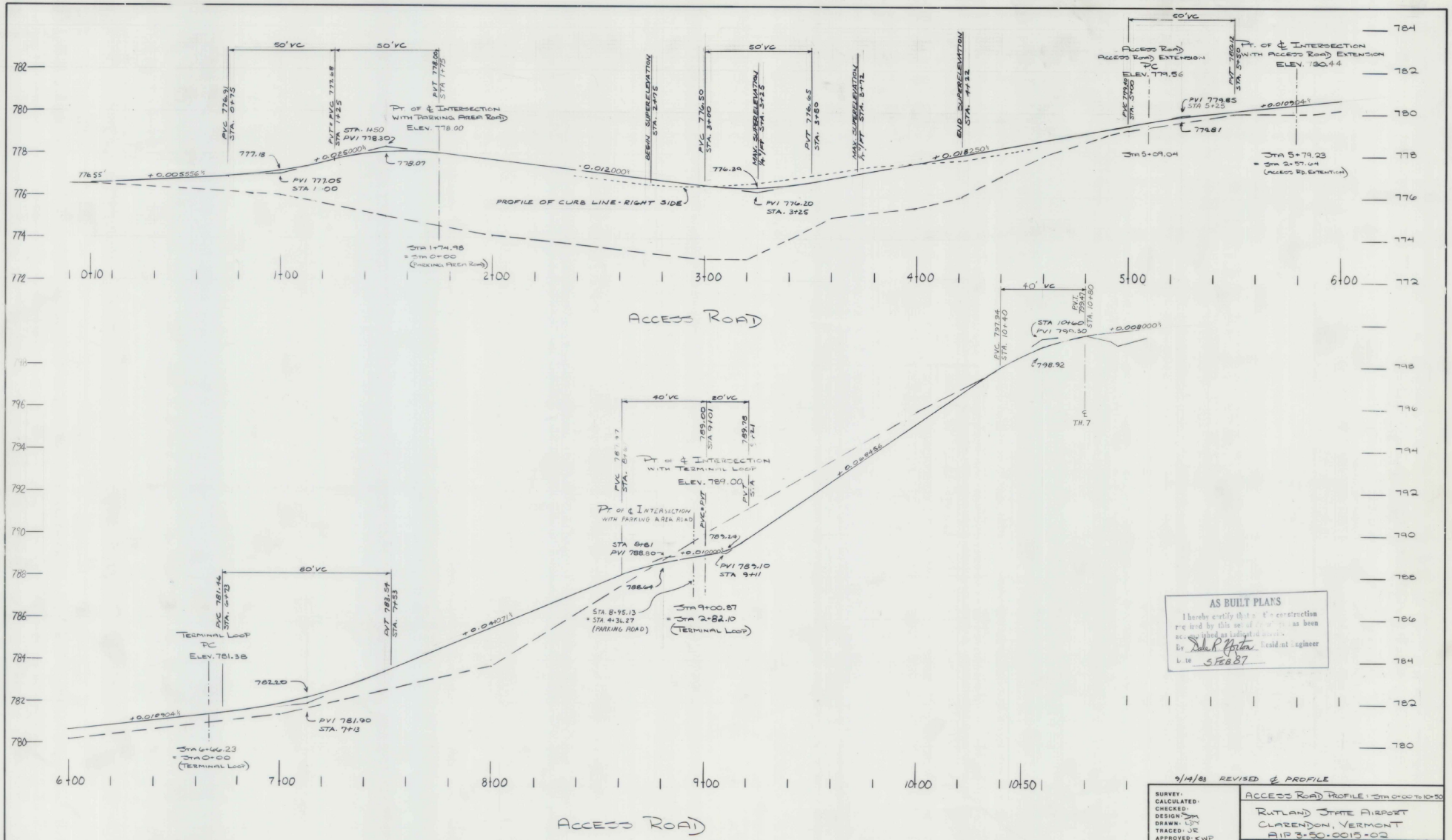
SURVEY:
CALCULATED:
CHECKED:
DESIGN:
DRAWN: JR, KAM
TRACED:
APPROVED: KWP
DATE: AUGUST 31, 1983
SCALE: HOR. 1"=10' VERT. 1"=2'

PROJ. NO. 5181

SHEET 7 OF 44

ROADWAY CROSS SECTIONS
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIP-3-50-0015-02

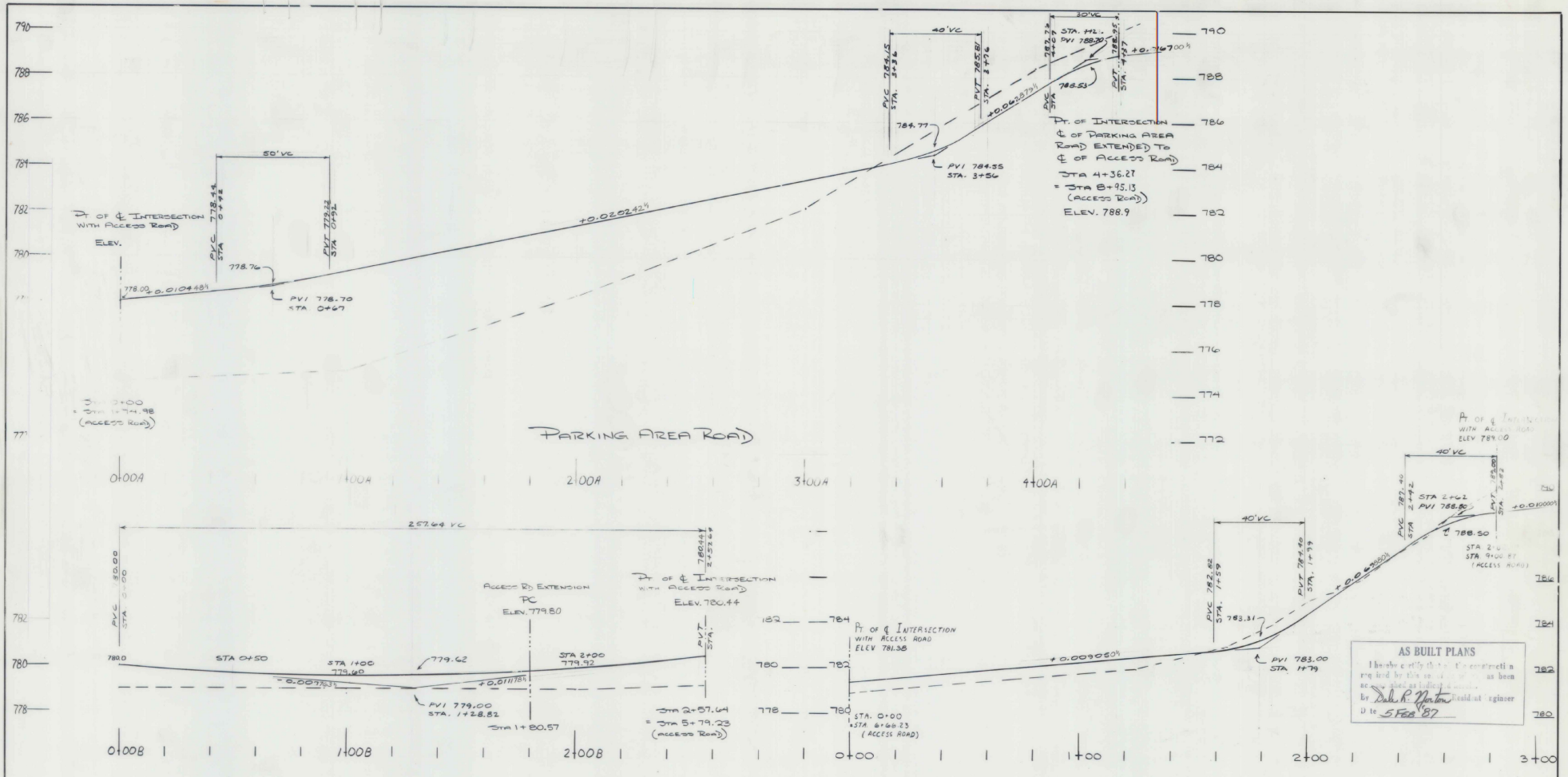
P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495



9/14/83 REVISED ℄ PROFILE

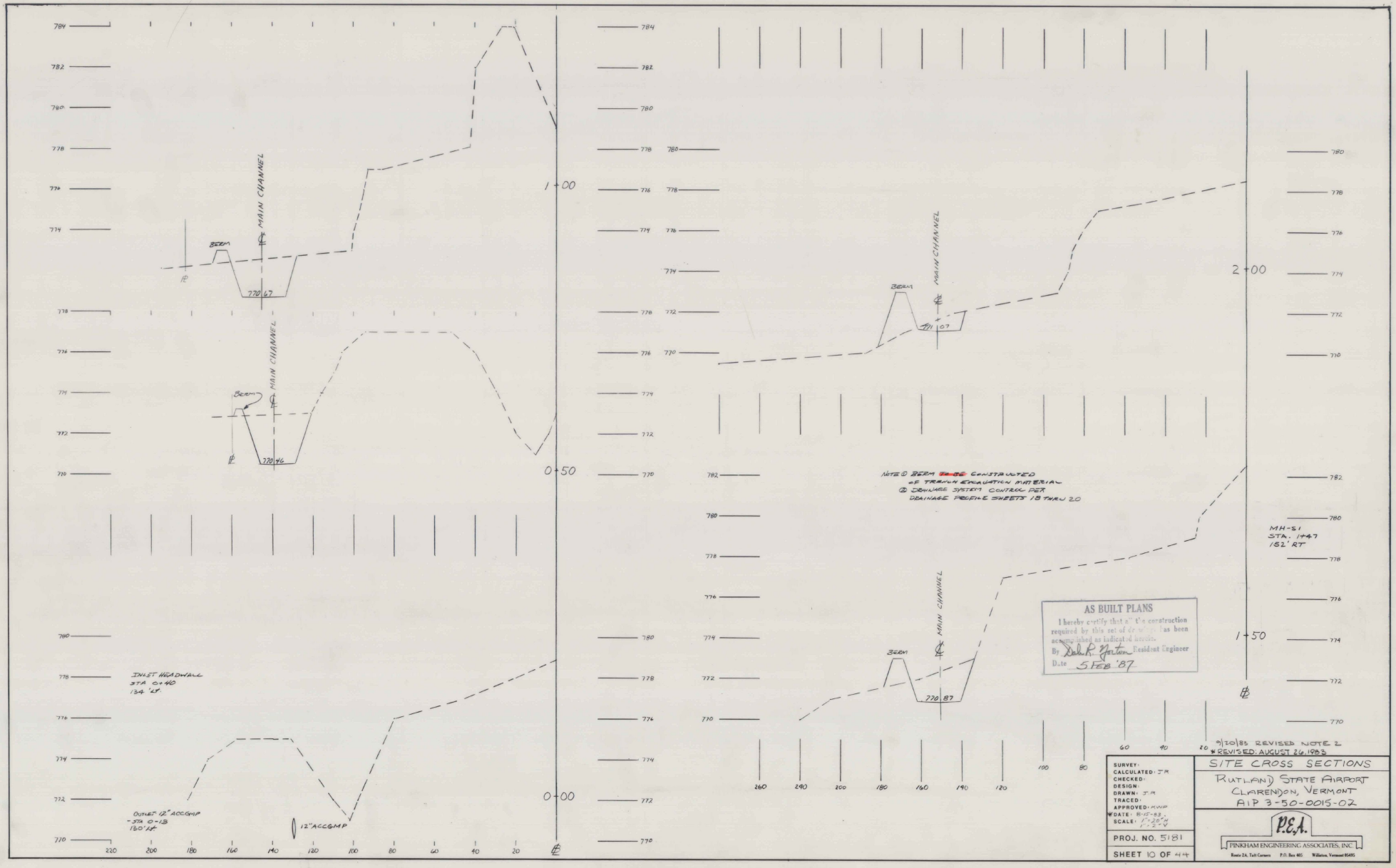
SURVEY:	ACCESS ROAD PROFILE: STA 0+00 TO 10+50
CALCULATED:	RUTLAND STATE AIRPORT
CHECKED:	CLARENDON, VERMONT
DESIGN: JM	AIP 3-50-0015-02
DRAWN: LDN	
TRACED: JE	
APPROVED: KWP	
DATE: 6-30-83	
SCALE: 1"=20' H 1"=2' V	
PROJ. NO. 5181	
SHEET 8 OF 44	

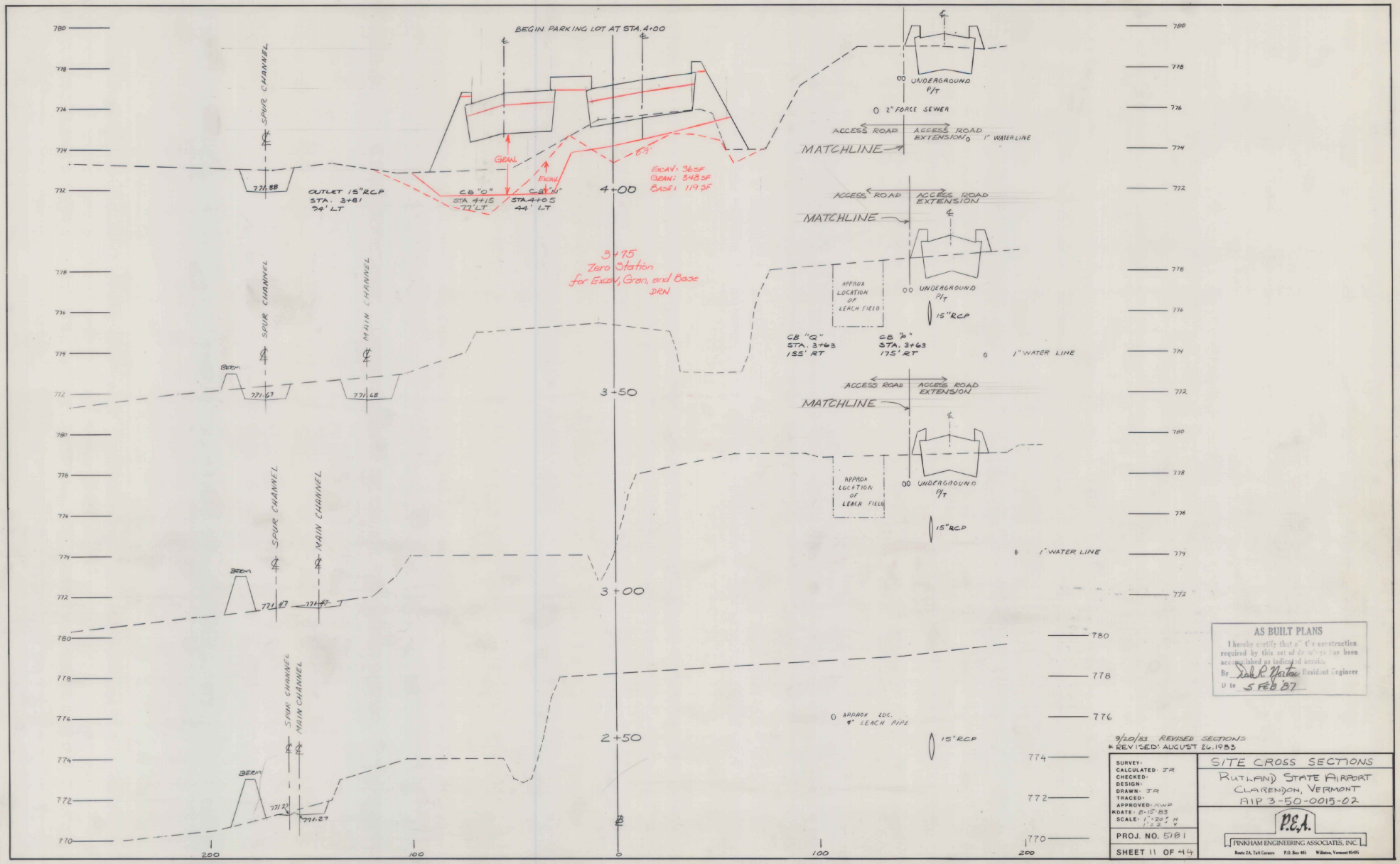
P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495



7/14/83 REVISED ℄ PROFILE

SURVEY: REP CALCULATED: CHECKED: DESIGN: DM DRAWN: JR TRACED: APPROVED: KWP DATE: 5-30-83 SCALE: 1" = 20'-0" 1" = 2'-0"	ROADWAY PROFILES: PARKING AREA ROAD, ACCESS RD EXTENSION, TERMINAL LOOP
PROJ. NO. 5181	RUTLAND STATE AIRPORT CLARENDON, VERMONT AIP 3-50-0015-02
SHEET 9 OF 44	P.E.A. PINKHAM ENGINEERING ASSOCIATES, INC. Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495


MAIN CHANNEL
BERM
770.67
MAIN CHANNEL
BERM
770.46
MAIN CHANNEL
BERM
770.87
MAIN CHANNEL
BERM
770.87
1+00
0+50
0+00
2+00
1+50
INLET HEADWALL
STA 0+40
134' LT.
OUTLET 12" ACCGMP
STA 0+18
130' LT.
12" ACCGMP
MH-S1
STA. 1+47
152' RT
NOTE① BERM CONSTRUCTED OF TRAVEL EXCAVATION MATERIAL
② DRAINAGE SYSTEM CONTROL PER DRAINAGE PROFILE SHEETS 18 THRU 20
AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated hereon.
By Dale P. Gordon Resident Engineer
Date 5 FEB '87
9/20/83 REVISED NOTE 2
REVISED: AUGUST 26, 1983
SURVEY:
CALCULATED: J.R
CHECKED:
DESIGN:
DRAWN: J.R
TRACED:
APPROVED: KWP
DATE: 8-10-83
SCALE: 1"=20'-0"
1"=2'-0"
PROJ. NO. 5181
SHEET 10 OF 44
SITE CROSS SECTIONS
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIP 3-50-0015-02
P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495



AS BUILT PLANS

I hereby certify that all the construction required by this set of drawings has been accomplished as indicated hereon.

By Dale R. Martin Resident Engineer

Date 5 FEB '87

9/20/83 REVISED SECTIONS
& REVISED: AUGUST 26, 1983

SURVEY:
CALCULATED: JR
CHECKED:
DESIGN:
DRAWN: JR
TRACED:
APPROVED: RWP
KDATE: 8-15-83
SCALE: 1"=20' H
1"=2' V

PROJ. NO. 5181

SHEET 11 OF 44

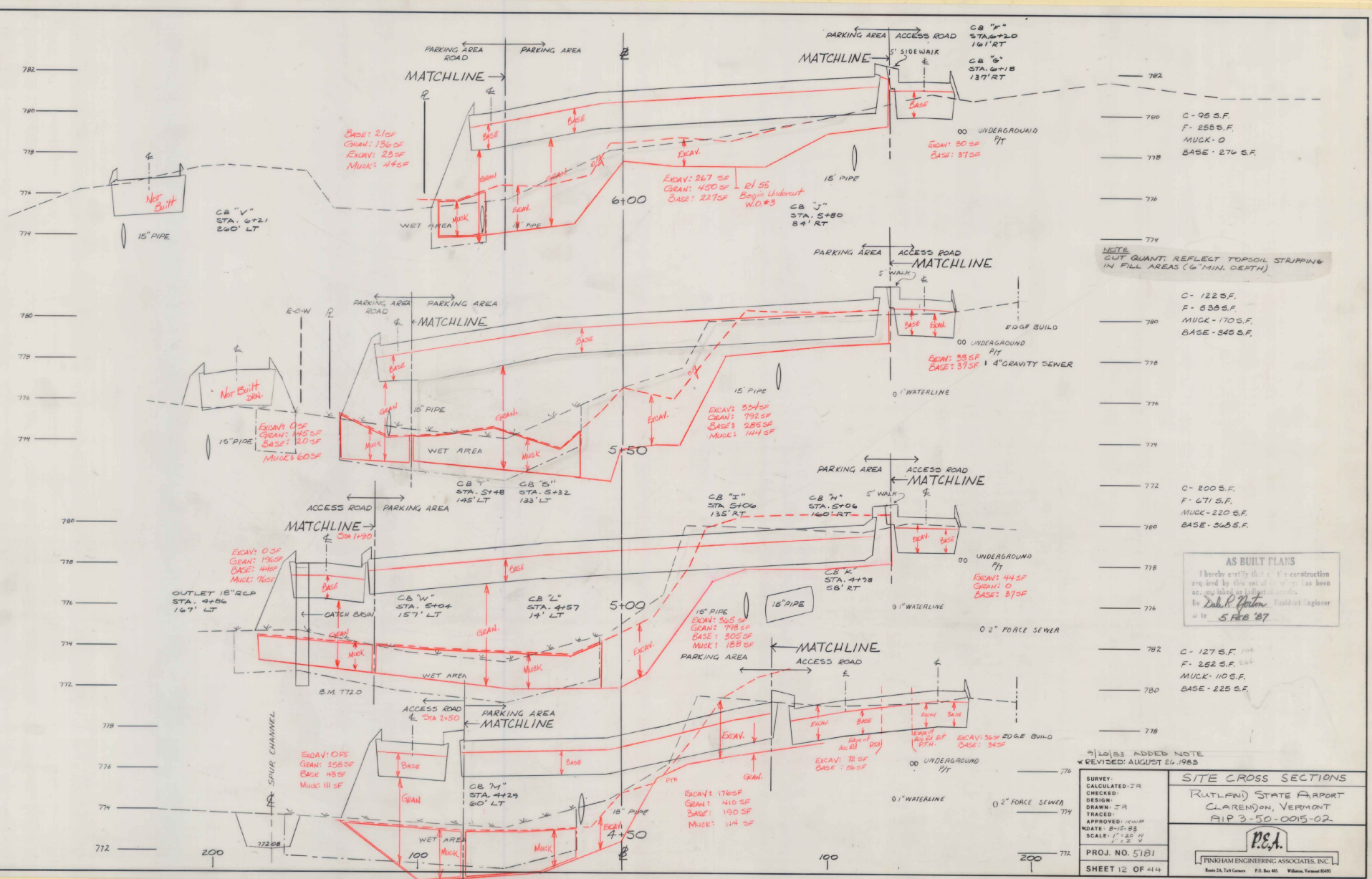
SITE CROSS SECTIONS

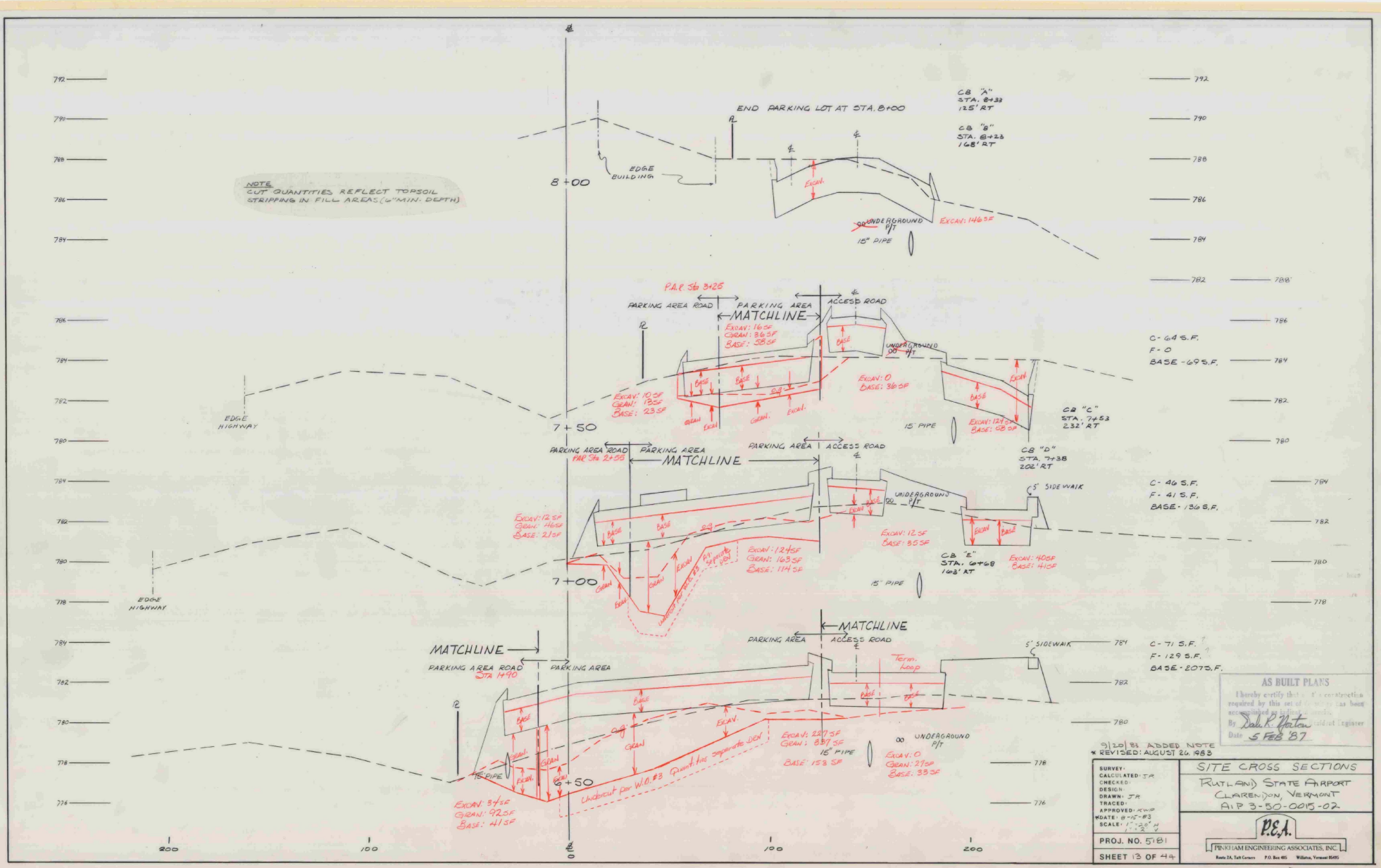
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIP 3-50-0015-02

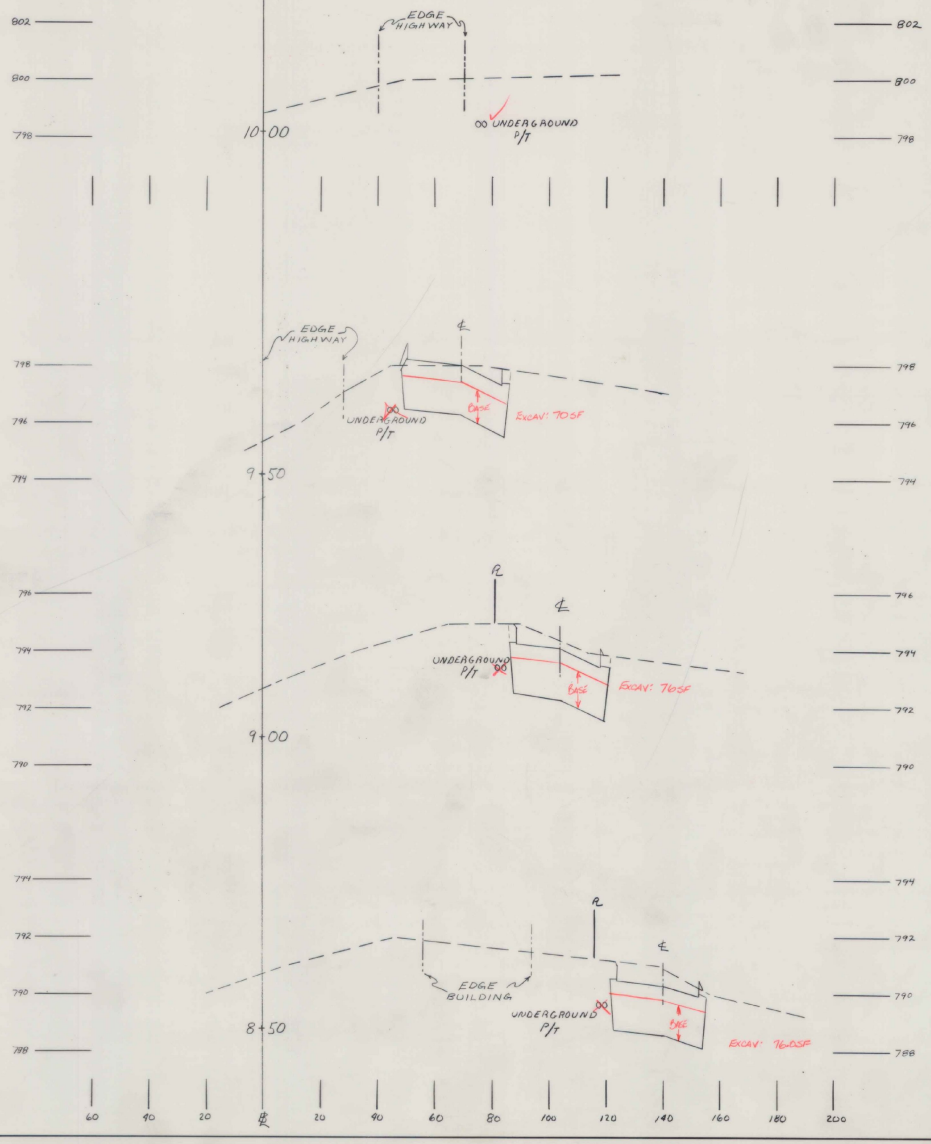
P.E.A.

PINKHAM ENGINEERING ASSOCIATES, INC.

Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495


PARKING AREA
ACCESS ROAD
MATCHLINE
5' SIDEWALK
CB "F"
STA. 6+20
161' RT
CB "G"
STA. 6+18
137' RT
UNDERGROUND P/T
EXCAV: 30 SF
BASE: 87 SF
15" PIPE
CB "V"
STA. 6+21
260' LT
NOT BUILT
WET AREA
CB "J"
STA. 5+80
84' RT
6+00
EXCAV: 267 SF
GRAN: 450 SF
BASE: 227 SF
21.55
Begin Undercut
W.O. #3
C - 95 S.F.
F - 255 S.F.
MUCK - 0
BASE - 276 S.F.
NOTE
CUT QUANT. REFLECT TOPSOIL STRIPPING IN FILL AREAS (6" MIN. DEPTH)
E-O-W
EDGE BUILD
4" GRAVITY SEWER
1" WATERLINE
EXCAV: 334 SF
GRAN: 792 SF
BASE: 285 SF
MUCK: 144 SF
EXCAV: 0 SF
GRAN: 145 SF
BASE: 120 SF
MUCK: 60 SF
CB "I"
STA. 5+48
145' LT
CB "S"
STA. 5+32
133' LT
5+50
C - 122 S.F.
F - 538 S.F.
MUCK - 170 S.F.
BASE - 345 S.F.
CB "I"
STA. 5+06
135' RT
CB "H"
STA. 5+06
160' RT
CB "K"
STA. 4+78
58' RT
EXCAV: 44 SF
GRAN: 0
BASE: 87 SF
C - 200 S.F.
F - 671 S.F.
MUCK - 220 S.F.
BASE - 565 S.F.
AS BUILT PLANS
I hereby certify that this construction required by this set of drawings has been accomplished as indicated thereon.
By Dale R. Horton Resident Engineer
Date 5 Feb '87
EXCAV: 0 SF
GRAN: 196 SF
BASE: 44 SF
MUCK: 76 SF
OUTLET 18" RCP
STA. 4+86
167' LT
CATCH BASIN
CB "W"
STA. 5+04
157' LT
CB "L"
STA. 4+57
14' LT
5+00
15" PIPE
EXCAV: 365 SF
GRAN: 798 SF
BASE: 305 SF
MUCK: 188 SF
18" PIPE
2" FORCE SEWER
B.M. 772.0
C - 127 S.F.
F - 252 S.F.
MUCK - 110 S.F.
BASE - 225 S.F.
EXCAV: 0 SF
GRAN: 258 SF
BASE: 48 SF
MUCK: 111 SF
SPUR CHANNEL
CB "M"
STA. 4+29
60' LT
EXCAV: 176 SF
GRAN: 410 SF
BASE: 190 SF
MUCK: 114 SF
4+50
EXCAV: 12 SF
BASE: 86 SF
EXCAV: 36 SF
BASE: 34 SF
9/20/83 ADDED NOTE
REVISED: AUGUST 26, 1983
SURVEY:
CALCULATED: JR
CHECKED:
DESIGN:
DRAWN: JR
TRACED:
APPROVED: RWP
DATE: 8-15-83
SCALE: 1" = 20' H
1" = 2' V
PROJ. NO. 5181
SHEET 12 OF 414
SITE CROSS SECTIONS
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIP 3-50-0015-02
P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495


NOTE
CUT QUANTITIES REFLECT TOPSOIL STRIPPING IN FILL AREAS (6" MIN. DEPTH)
8+00
END PARKING LOT AT STA. 8+00
EDGE BUILDING
CB "A" STA. 8+33 125' RT
CB "B" STA. 8+23 168' RT
EXCAV.
UNDERGROUND P/T
EXCAV: 146 SF
15" PIPE
7+50
P.A.P. Sta 3+25
PARKING AREA ROAD
PARKING AREA
MATCHLINE
ACCESS ROAD
EXCAV: 16 SF
GRAN: 36 SF
BASE: 58 SF
EXCAV: 10 SF
GRAN: 18 SF
BASE: 23 SF
EXCAV: 0
BASE: 36 SF
EXCAV: 129 SF
BASE: 58 SF
C - 64 S.F.
F - 0
BASE - 69 S.F.
EDGE HIGHWAY
15" PIPE
CB "C" STA. 7+53 232' RT
7+00
PARKING AREA ROAD
PAR Sta 2+55
CB "D" STA. 7+38 202' RT
5' SIDEWALK
EXCAV: 12 SF
GRAN: 46 SF
BASE: 21 SF
EXCAV: 127 SF
GRAN: 163 SF
BASE: 114 SF
EXCAV: 12 SF
BASE: 85 SF
C - 46 S.F.
F - 41 S.F.
BASE - 136 S.F.
CB "E" STA. 6+68 168' RT
EXCAV: 40 SF
BASE: 41 SF
P.I. Separate Box
Undercut per W.O. #3
6+50
Term. Loop
EXCAV: 227 SF
GRAN: 837 SF
BASE: 153 SF
EXCAV: 0
GRAN: 27 SF
BASE: 33 SF
EXCAV: 37 SF
GRAN: 92 SF
BASE: 41 SF
C - 71 S.F.
F - 129 S.F.
BASE - 207 S.F.
AS BUILT PLANS
I hereby certify that this construction required by this set of plans has been accomplished by me or under my supervision.
By Dale K. Horton Licensed Engineer
Date 5 FEB '87
9/20/88 ADDED NOTE
* REVISED: AUGUST 26, 1983
SURVEY:
CALCULATED: TR
CHECKED:
DESIGN:
DRAWN: JR
TRACED:
APPROVED: KWP
DATE: 8-15-83
SCALE: 1" = 20' H
1" = 2' V
PROJ. NO. 5181
SHEET 13 OF 44
SITE CROSS SECTIONS
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
A.I.P 3-50-0015-02
P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495



AS BUILT PLANS

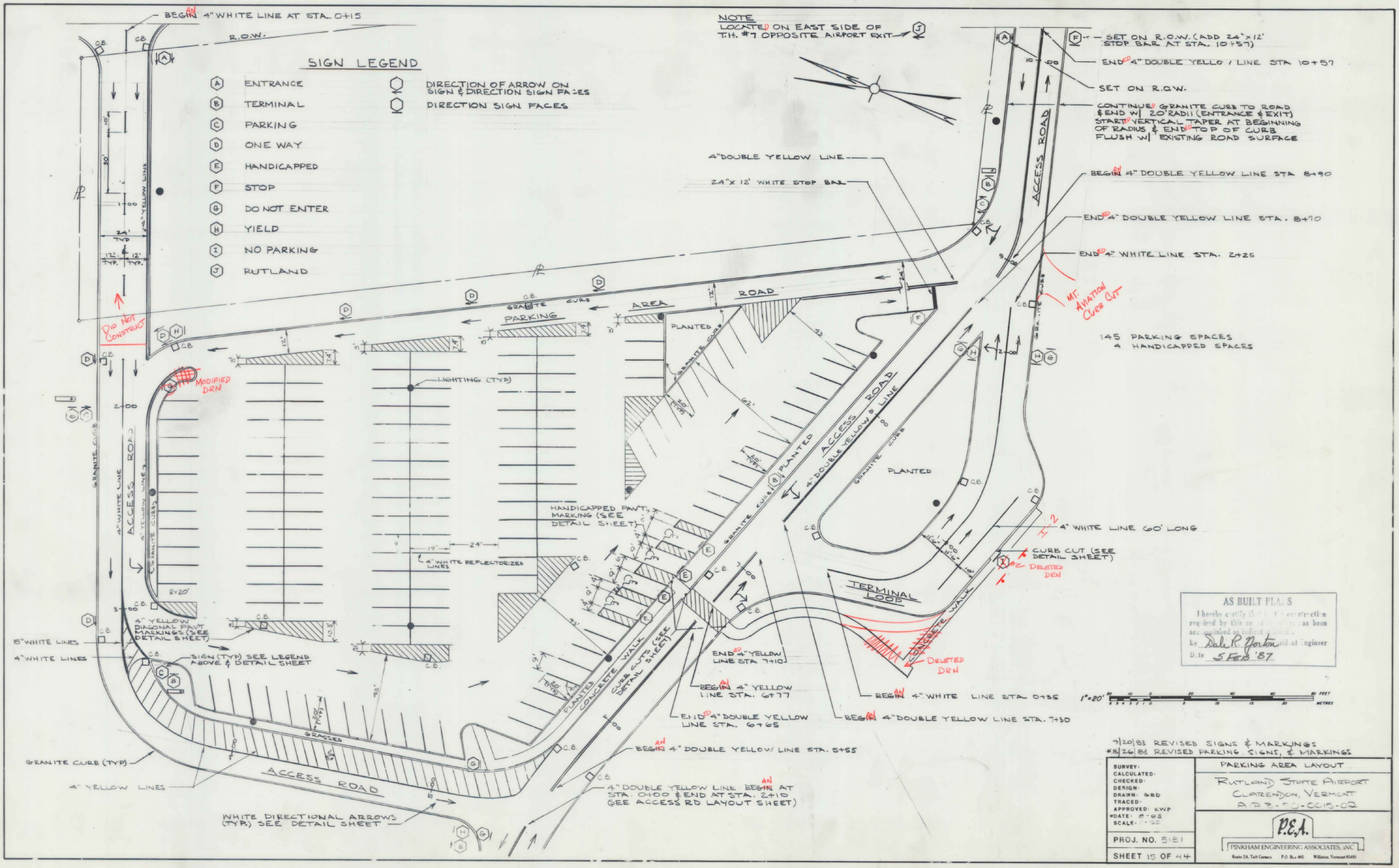
I hereby certify that to the best of my knowledge this construction as required by this set of drawings has been accomplished as indicated by said records.

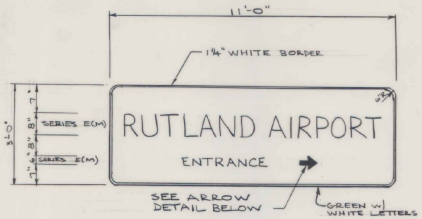
By Dale R Gordon Resident Engineer

Date 5 FEB 87

* REVISED: AUGUST 26, 1988

SURVEY:	SITE CROSS SECTIONS
CALCULATED: J R	RUTLAND STATE AIRPORT
CHECKED:	CLARENDON, VERMONT
DESIGN:	AIP 3-50-0015-02
DRAWN: J R	P.E.A.
TRACED:	PINKHAM ENGINEERING ASSOCIATES, INC.
APPROVED: R W P	Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495
*DATE: 8-15-88	
SCALE: 1"=20' H, 1"=2' V	
PROJ. NO. 5181	
SHEET 14 OF 44	


SIGN LEGEND
A ENTRANCE
B TERMINAL
C PARKING
D ONE WAY
E HANDICAPPED
F STOP
G DO NOT ENTER
H YIELD
I NO PARKING
J RUTLAND
DIRECTION OF ARROW ON SIGN & DIRECTION SIGN FACES
DIRECTION SIGN FACES
NOTE
LOCATED ON EAST SIDE OF T.H. #7 OPPOSITE AIRPORT EXIT
BEGIN 4" WHITE LINE AT STA. 0+15
R.O.W.
SET ON R.O.W. (ADD 24"x12' STOP BAR AT STA. 10+57)
END 4" DOUBLE YELLOW LINE STA 10+57
SET ON R.O.W.
CONTINUE GRANITE CURB TO ROAD & END W/ 20' RADII (ENTRANCE & EXIT) START VERTICAL TAPER AT BEGINNING OF RADIUS & END TOP OF CURB FLUSH W/ EXISTING ROAD SURFACE
4" DOUBLE YELLOW LINE
24"X 12' WHITE STOP BAR
BEGIN 4" DOUBLE YELLOW LINE STA 8+90
END 4" DOUBLE YELLOW LINE STA. 8+70
END 4" WHITE LINE STA. 2+25
MT. AVIATION CURB CUT
ACCESS ROAD
ROAD
AREA
PARKING
GRANITE CURB
PLANTED
DID NOT CONSTRUCT
MODIFIED DRN
LIGHTING (TYP)
145 PARKING SPACES
4 HANDICAPPED SPACES
ACCESS ROAD
4" DOUBLE YELLOW LINE
GRANITE CURB
PLANTED
HANDICAPPED PAVT. MARKING (SEE DETAIL SHEET)
4" WHITE REFLECTORIZED LINES
4" WHITE LINE 60' LONG
CURB CUT (SEE DETAIL SHEET)
DELETED DRN
TERMINAL LOOP
CONCRETE WALK
DELETED DRN
4" YELLOW DIAGONAL PAVT MARKINGS (SEE DETAIL SHEET)
8" WHITE LINES
4" WHITE LINES
SIGN (TYP) SEE LEGEND ABOVE & DETAIL SHEET
END 4" YELLOW LINE STA 7+10
BEGIN 4" YELLOW LINE STA. 6+77
END 4" DOUBLE YELLOW LINE STA. 6+65
BEGIN 4" WHITE LINE STA. 0+35
BEGIN 4" DOUBLE YELLOW LINE STA. 7+30
BEGIN 4" DOUBLE YELLOW LINE STA. 5+55
GRANITE CURB (TYP)
4" YELLOW LINES
ACCESS ROAD
4" DOUBLE YELLOW LINE BEGIN AT STA. 0+00 & END AT STA. 2+10 (SEE ACCESS RD LAYOUT SHEET)
WHITE DIRECTIONAL ARROWS (TYP.) SEE DETAIL SHEET
AS BUILT PLANS
I hereby certify that this construction as required by this sheet has been accomplished to the best of my knowledge.
By Dale R. Gordon Consulting Engineer
Date 5 Feb '87
1"=20'
9/20/83 REVISED SIGNS & MARKINGS
#8/26/82 REVISED PARKING, SIGNS, & MARKINGS
SURVEY:
CALCULATED:
CHECKED:
DESIGN:
DRAWN: GBD
TRACED:
APPROVED: KWP
DATE: 8-83
SCALE: 1"=20'
PROJ. NO. 5181
SHEET 15 OF 44
PARKING AREA LAYOUT
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
A.B.2-50-0015-02
P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 7A, Taft Corners P.O. Box 485 Williston, Vermont 05495



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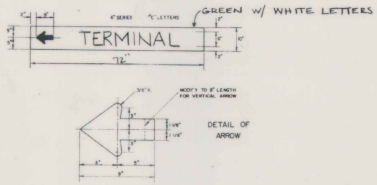
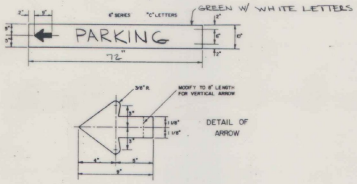
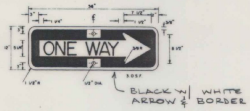


SIGN (B) (TYPE A)

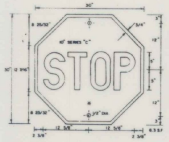


SIGN (C) (TYPE A)

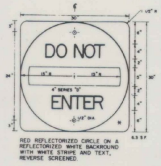


SIGN (D) (TYPE A)

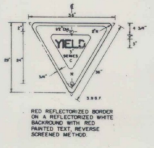
SIGN (E) (TYPE A)



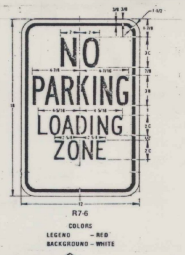
SIGN (F) (TYPE A)



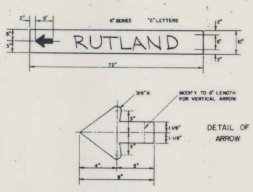
SIGN (G) (TYPE A)



SIGN (H) (TYPE A)



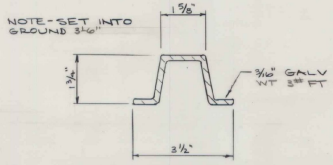
SIGN (I) (TYPE A)



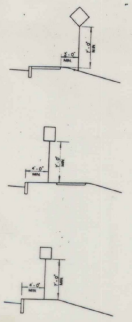
SIGN (J) (TYPE A)

SIGN NOTES

1. Reflective Material:
   a. The reflective material for the black and white signs ~~shall~~ be flat top silver reflective sheeting applied to the entire background of the sign.
   b. The reflective material for the red and white signs ~~shall~~ have high intensity encapsulated lens reflective sheeting applied to the entire background of the sign.
   c. The text of the STOP, DO NOT ENTER, and border of YIELD signs ~~shall~~ be reversed screened.
2. Colors:
   a. The regulatory signs shown on this sheet, except the STOP, DO NOT ENTER, and YIELD signs, ~~shall~~ have black text on reflectorized white or silver background.
   b. The STOP, and DO NOT ENTER, signs ~~shall~~ have a reflectorized white or silver text on a reflectorized red background.
   c. The YIELD sign ~~shall have~~ a text on a reflectorized white background with a red border reversed screened.
   d. The reflective material for green signs ~~shall be~~ green reflective sheeting applied to the entire background of the sign.
   e. The red, white, green, blue and black ~~shall~~ conform with the standard colors adopted by the American Association of State Highway Officials and approved by the Department of Transportation. Federal Highway Administration.
3. Text Design:
   a. Letters, digits, arrows, spacings, and text dimensions ~~shall~~ conform with the standard alphabets and designs prescribed in the Manual on Uniform Traffic Control Devices prepared by the National Joint Committee on Uniform Traffic Control Devices
4. Specifications:
   a. All signs ~~shall~~ meet the standard state specifications for traffic signs.



FOR TYPE A SIGNS
TYPE "A" SUPPORT



SIGN PLACEMENT

AS BUILT PLANS
I hereby certify that this construction required by this contract has been accomplished as indicated on this plan.
By Dale R. Manton
Date 5 FEB '87

NOTE
FOR TYPE B SIGNS USE TYPE "C" SUPPORT. (SEE STANDARD E-25)
9/20/83 REVISED TYPE 'A' SUPPORT DETAIL
8/26/83 REVISED SIGNS

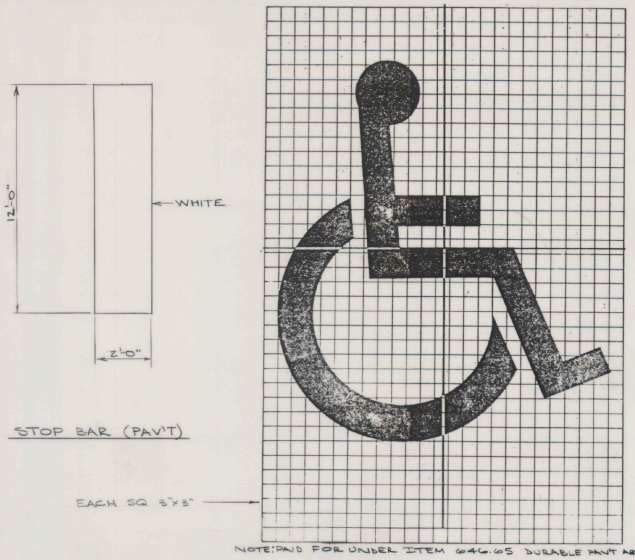
SURVEY:
CALCULATED:
CHECKED:
DESIGN:
DRAWN: GBD
TRACED:
APPROVED: EWP
DATE: 8-83
SCALE: NONE

PROJ. NO. 3181

SHEET 16 OF 44

SIGNAGE DETAILS
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIP 3-50-0015-02

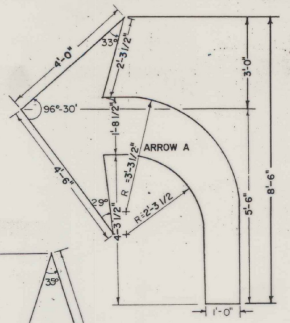
P.E.A.
PINKHAM ENGINEERING ASSOCIATES INC.
Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495

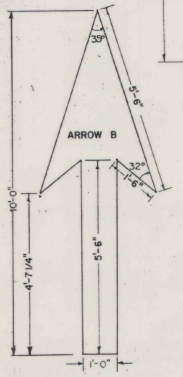


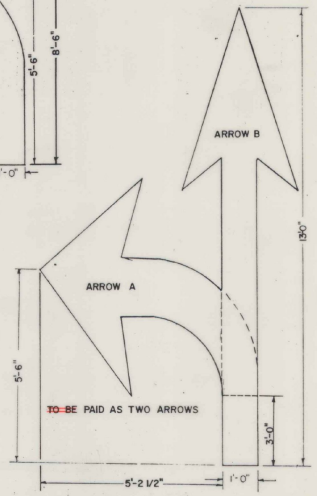
NOTE: PAID FOR UNDER ITEM 646.65 DURABLE PAVT ARROWS

HANDICAPPED PARKING (PAV'T)

STOP BAR (PAV'T)

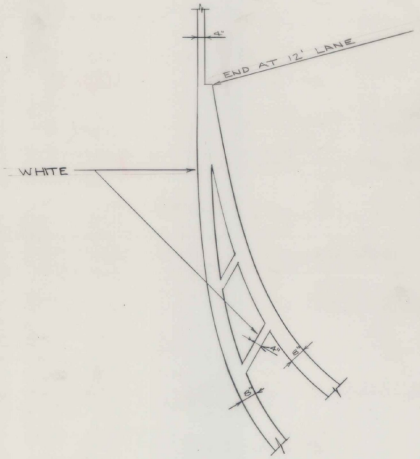




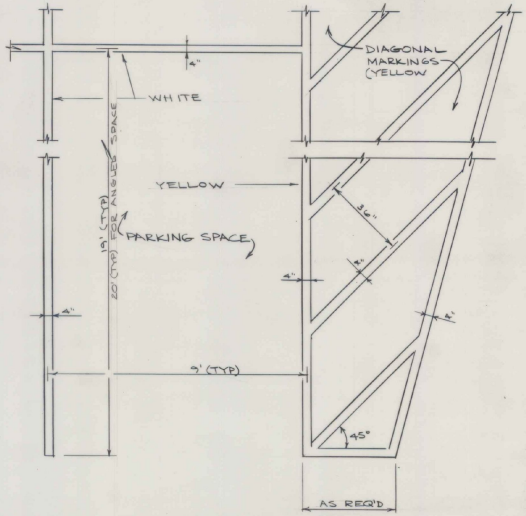


NOTE
ALL PAVEMENT MARKINGS, INCLUDING 4" LINES, ~~SHALL~~ ARE ~~BE~~ WHITE OR YELLOW DURABLE MATERIAL.

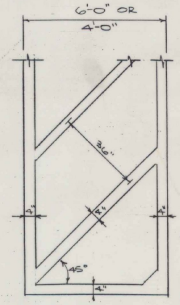
DIRECTIONAL ARROWS (PAV'T)



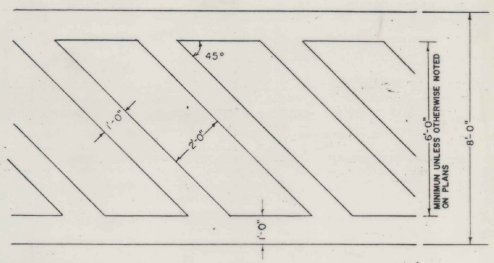
GORE LINE AT PARKING LOT



TYPICAL PARKING SPACE LAYOUT (PAV'T)



HANDICAPPED SPACE (PAV'T)



CROSSWALK (PAV'T)

4/26/83 REVISED MARKINGS

AS BUILT PLANS

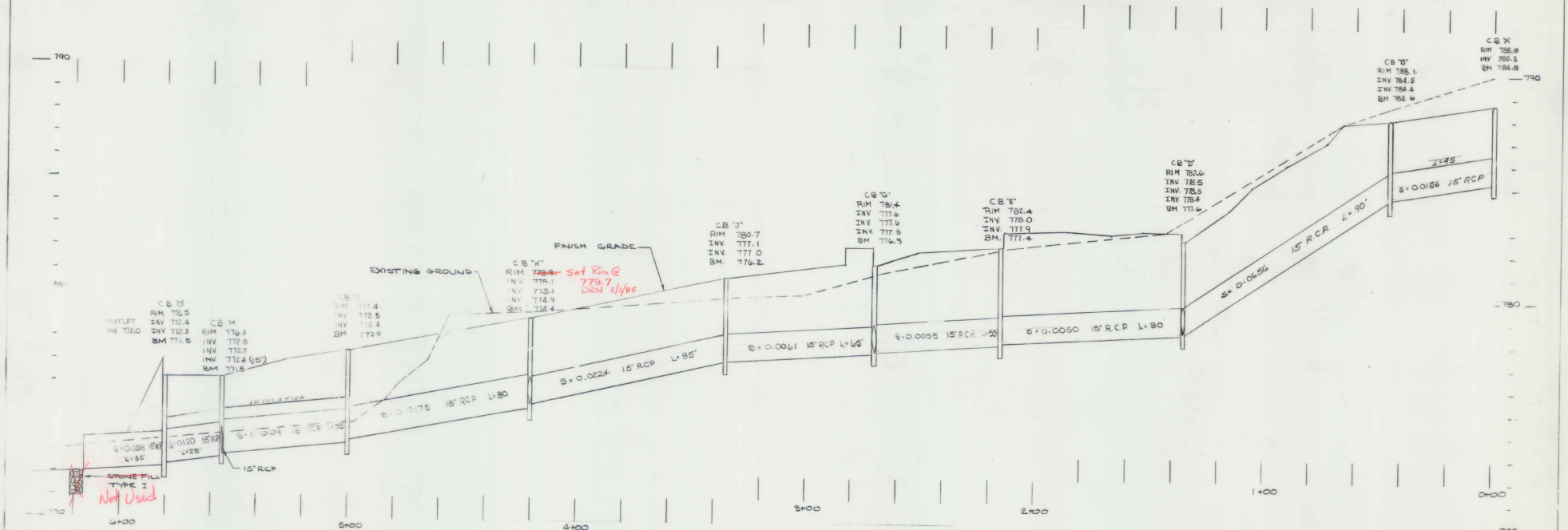
I hereby certify that the construction required by this set of drawings was done in accordance therewith.

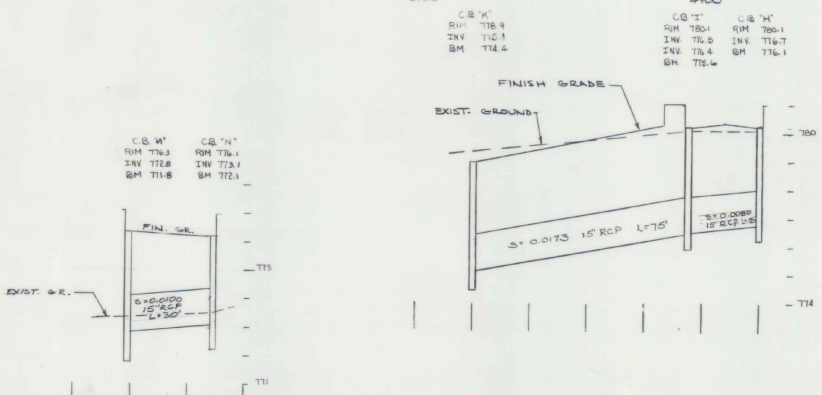
By Dale R. Parker Resident Engineer

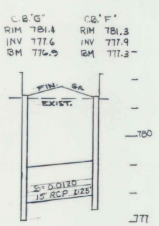
Date 5 Feb 87

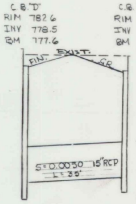
SURVEY:	PAVEMENT MARKING DETAILS
CALCULATED:	RUTLAND STATE AIRPORT
CHECKED:	CLARENDON, VERMONT
DESIGN:	AIP 3-50-0015-02
DRAWN: GBD	P.E.A.
TRACED:	PINKHAM ENGINEERING ASSOCIATES, INC.
APPROVED: KWP	Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495
DATE: 8-83	
SCALE: NONE	
PROJ. NO. 5181	
SHEET 17 OF 44	

9/20/83 ADDED NOTE TO GORE LINE DETAIL









LEGEND

B.M.	BOTTOM SUMP ELEVATION OF CATCH BASIN
INV.	PIPE INVERT ELEVATION
RIM	TOP RIM ELEVATION
S	PIPE SLOPE
L	LENGTH OF PIPE
C.B.	CATCH BASIN AS SHOWN ON HIGHWAY STANDARDS, SHEET D-8

TOPS AND RIMS AS SHOWN ON HIGHWAY STANDARDS, SHEETS D-9, D-10, D-11

REINFORCED CONCRETE STRAIGHT HEADWALLS AS SHOWN ON HIGHWAY STANDARDS, SHEET D-2

METAL END SECTION FOR CMP AS SHOWN ON HIGHWAY STANDARDS, SHEET D-4

REINFORCED CONCRETE END SECTION AS SHOWN ON HIGHWAY STANDARDS, SHEET D-16

NOTE: STATIONS ARE ONLY RELATED TO STORM DRAINS

9/20/83 REVISED C.B. ELEV. & LOC.
*REVISED 8-29-83 INCREASE 12"ϕ TYPE TO 15"ϕ

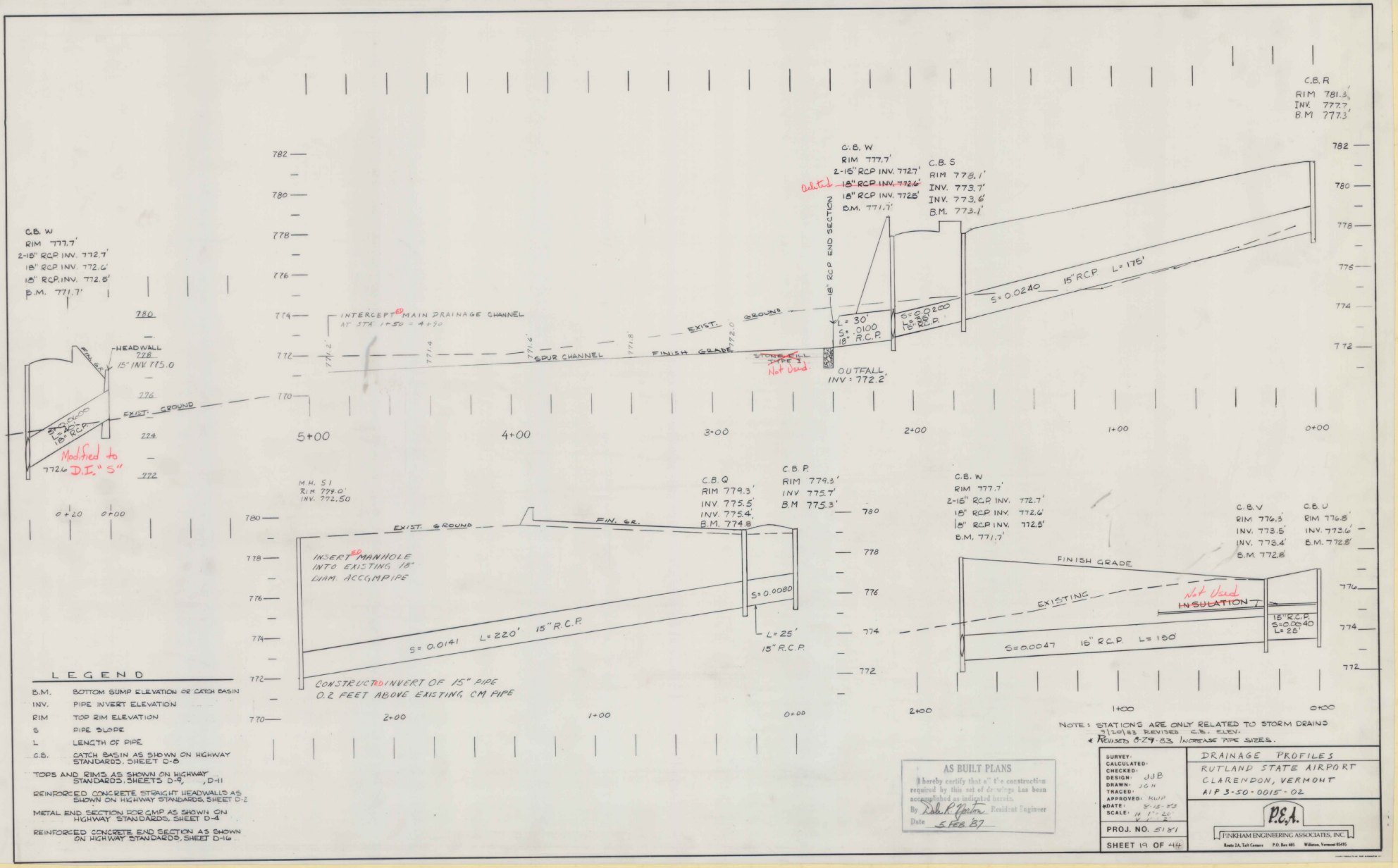
AS BUILT PLANS
I hereby certify that this plan is required by this as an accurate as built plan.
By Delbert Norton Registered Engineer
Date SEP '87

SURVEY:
CALCULATED:
CHECKED:
DESIGN: JJB
DRAWN: DAT
TRACED:
APPROVED: RWP
*DATE: 8-15-83
SCALE: 1" = 20' HORZ. 1" = 4' VERT.

PROJ. NO. 5181
SHEET 16 OF 44

DRAINAGE PROFILES
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIP 3-50-0015-02

P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495



LEGEND

B.M.	BOTTOM SUMP ELEVATION OR CATCH BASIN
INV.	PIPE INVERT ELEVATION
RIM	TOP RIM ELEVATION
S	PIPE SLOPE
L	LENGTH OF PIPE
C.B.	CATCH BASIN AS SHOWN ON HIGHWAY STANDARDS, SHEET D-8

TOPS AND RIMS AS SHOWN ON HIGHWAY STANDARDS, SHEETS D-9, , D-11

REINFORCED CONCRETE STRAIGHT HEADWALLS AS SHOWN ON HIGHWAY STANDARDS, SHEET D-2

METAL END SECTION FOR CMP AS SHOWN ON HIGHWAY STANDARDS, SHEET D-4

REINFORCED CONCRETE END SECTION AS SHOWN ON HIGHWAY STANDARDS, SHEET D-16

NOTE: STATIONS ARE ONLY RELATED TO STORM DRAINS

2/20/83 REVISED C.B. ELEV.

* REVISED 8-29-83 INCREASE PIPE SIZES.

AS BUILT PLANS

I hereby certify that a" t'e construction required by this set of drawings has been accomplished as indicated hereon.

By Dale P. Morton Resident Engineer

Date 5 FEB 87

SURVEY:
CALCULATED:
CHECKED:
DESIGN: JJB
DRAWN: JGH
TRACED:
APPROVED: RLW
DATE: 3-15-83
SCALE: H 1"=40' V 1"=4'

PROJ. NO. 5181

SHEET 19 OF 44

DRAINAGE PROFILES

RUTLAND STATE AIRPORT

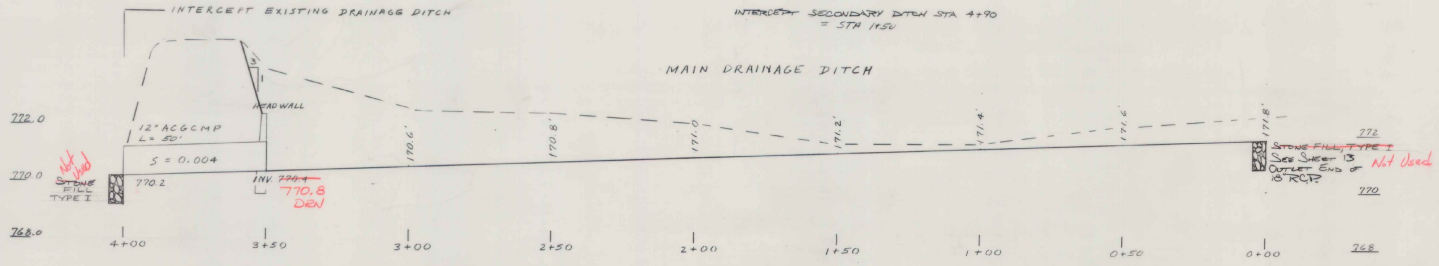
CLARENDON, VERMONT

AIP 3-50-0015-02

P.E.A.

FINKHAM ENGINEERING ASSOCIATES, INC.

Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495



LEGEND

B.M.	BOTTOM SUMP ELEVATION OR CATCH BASIN
INV.	PIPE INVERT ELEVATION
RIM	TOP RIM ELEVATION
S	PIPE SLOPE
L	LENGTH OF PIPE
C.B.	CATCH BASIN AS SHOWN ON HIGHWAY STANDARDS, SHEET D-5

TOPS AND RIMS AS SHOWN ON HIGHWAY STANDARDS, SHEETS D-9, , D-11

REINFORCED CONCRETE STRAIGHT HEADWALLS AS SHOWN ON HIGHWAY STANDARDS, SHEET D-2

METAL END SECTION FOR CMP AS SHOWN ON HIGHWAY STANDARDS, SHEET D-4

REINFORCED CONCRETE END SECTION AS SHOWN ON HIGHWAY STANDARDS, SHEET D-16

NOTE: STATIONS ARE ONLY RELATED TO STORM DRAINS

3/20/89 STONE FILL
* REVISED 8-29-83 RIP-RAP ADDED

AS BUILT PLANS

I hereby certify that all construction required by this set of drawings has been accomplished as indicated herein.

By Dale R. Gordon Resident Engineer

Date 5 FEB '87

SURVEY:
CALCULATED:
CHECKED:
DESIGN: JJB
DRAWN: REP
TRACED:
APPROVED: KWP
*DATE: 8-15-83
SCALE: H 1"=20'
V 1"=2'

PROJ. NO. 51181

SHEET 20 OF 44

DRAINAGE PROFILES

RUTLAND STATE AIRPORT

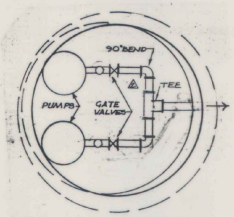
CLARENDON, VERMONT

AIP 3-50-0015-02

P.E.A.

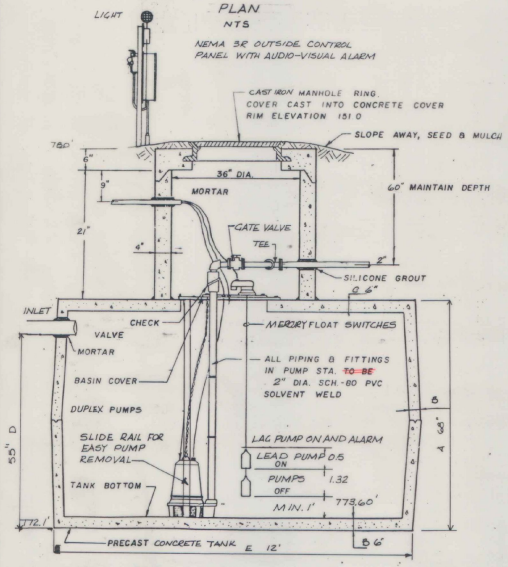
PINKHAM ENGINEERING ASSOCIATES, INC.

Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495



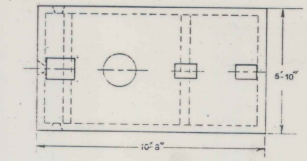
PLAN
NTS

NEMA 3R OUTSIDE CONTROL PANEL WITH AUDIO-VISUAL ALARM



2000 GALLON
PUMP STATION DETAIL
Not To Scale

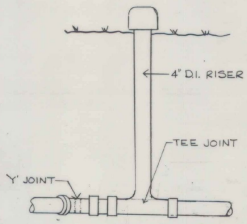
NOTE: CONTRACTOR'S OPTION TO SUPPLY COMPREABLE PACKAGED STATION AS APPROVED BY ENGINEER.



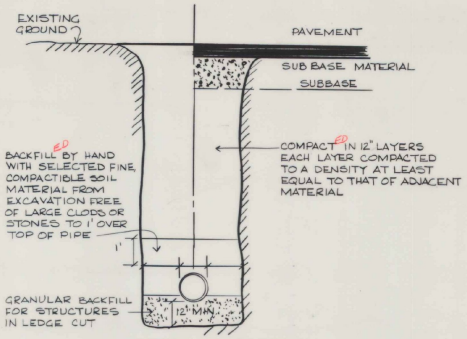
1250 GAL. SEPTIC TANK

NOTES

1. Cement 4000PSI @ 28 days
2. INlet baffle and outlet chamber are pre-cast with top section of tank
3. Keyed joint sealed with asphalt cement or equivalent, reinforced with 6x6x10 GA. steel wire
4. Two compartment tank shown, smooth bottom tank available
5. Excavation must be at least 12" longer and wider
6. Three inlet positions standard

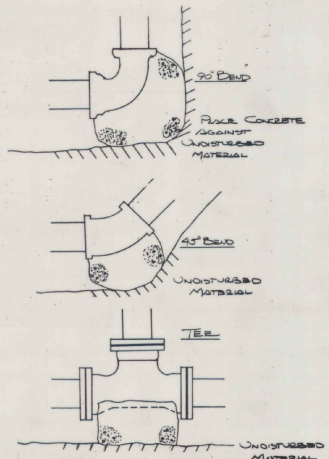


CLEANOUT DETAIL TYPICAL
NOT TO SCALE



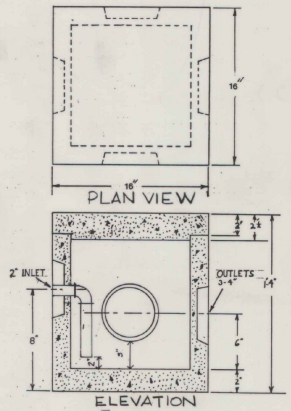
TRENCH TYPICAL
NOT TO SCALE

THE SANITARY SEWER LINE AND THE WATER MAIN SHALL BE SLEEVED WHEN WITHIN THE ROADWAY. REFER TO VERMONT DEPARTMENT OF HIGHWAYS STANDARDS D-20 FOR DESIGN DETAIL.



THRUST BLOCK DETAIL
SCALE: 1"=1'
CONCRETE TO BE CLASS C

NOTE: CONCRETE REACTION BLOCKING SHALL BE PROVIDED AT ALL BENDS DEFLECTING 22½° OR MORE. 1/6 C.Y. MIN.



DISTRIBUTION BOX

NOTE

1. Concrete 4000PSI @28 days

DESIGN CRITERIA - SANITARY SYSTEM

1. THE EXISTING 1250 gal SEPTIC TANK WILL BE RELOCATED AND REPLACED WITH A NEW 1250 gal SEPTIC TANK.
2. THE EFFLUENT FROM THE SEPTIC TANK WILL BE PUMPED UNDER THE ROAD MAINTAINING MINIMUM DEPTH OF 5 FEET BENEATH THE ROAD.
3. PUMP STATION REQUIREMENTS:

   483 passengers @ 5 GDP = 2415 GPD

   4 doses per day - each dose 603 gal

   USE 2000 gal PUMP STATION: EMERGENCY 4 HOUR STORAGE REQUIRED = 600 gal
   EMERGENCY STORAGE AVAILABLE - VOLUME ABOVE PUMP ON AND BELOW INLET INVERT IS 107 C.F. = 800 gal
4. PUMP REQUIREMENTS:

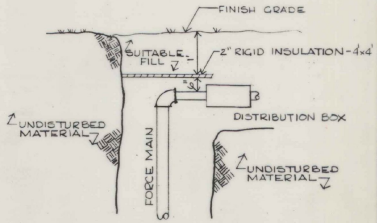
   PEAK 20 MINUTE FLOW 19+ gpm USE PUMP RATE OF 40 gpm

HEAD LOSS IN 2" DELIVERY LINE	4.51'
PUMP STATION PIPING LOSSES	0.93'
STATIC HEAD	2.90'
MISCELLANEOUS LOSES	1.0 '
TDH	10.21"

   PUMP REQUIREMENT 40 gpm AT TDH 10.3'.
5. NEW DISTRIBUTION BOX REQUIRED. AT RISER WHERE FORCE MAIN ENTERS BOX 2", 4'x4' INSULATION SHALL BE USED TO PROTECT THE FORCE MAIN FROM FREEZING.

ELEVATION KEY

BUILDING SEWER	780.00'
SEPTIC TANK INLET INV.	777.42'
SEPTIC TANK OUTLET INV.	776.83'
PUMP STATION INLET INV.	776.68'
PUMP OFF	773.60'
PUMP ON	774.92'
LAG PUMP ON & ALARM	775.42'
DISTRIBUTION BOX	776.50'

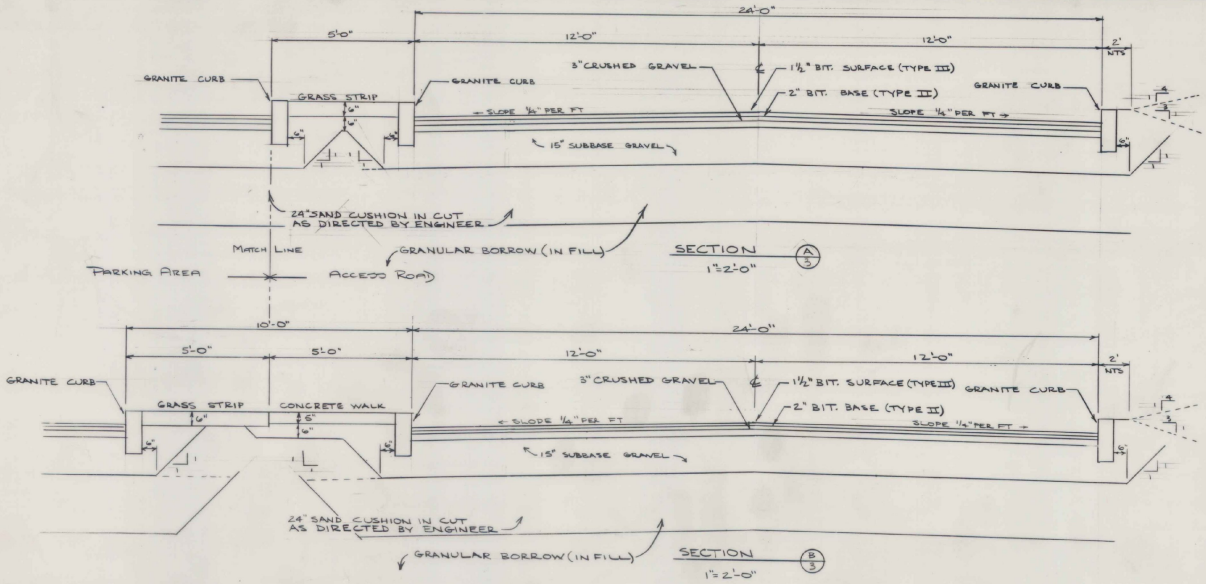


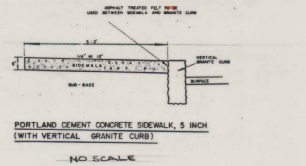
INSULATION TYPICAL
NOT TO SCALE

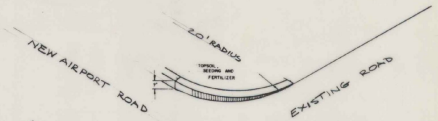
AS BUILT PLANS
I hereby certify that the construction required by this permit has been accomplished as shown.
By Dale R. Morton Licensed Engineer
Date 5 FEB 87

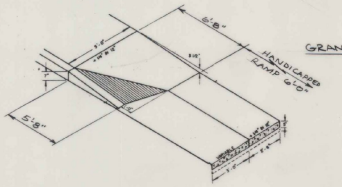
* REVISED: AUGUST 26, 1988 - NOTE TO TYPICAL TRENCH

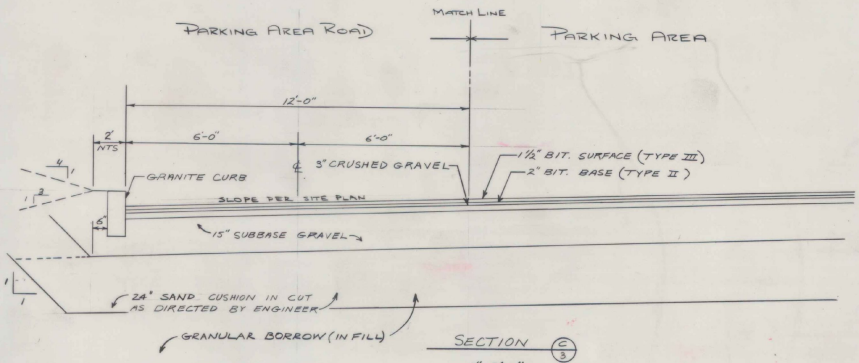
SURVEY:	SEWER SYSTEM DETAILS
CALCULATED:	RUTLAND STATE AIRPORT
CHECKED:	CLARENDON, VERMONT
DESIGN: GBS	AIP 3-50-0015-02
DRAWN: KAM	P.E.A.
TRACED:	PINKHAM ENGINEERING ASSOCIATES, INC.
APPROVED: KWP	Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495
*DATE: AUGUST 15, 1988	
SCALE: NONE	
PROJ. NO. 5181	
SHEET 21 OF 44	

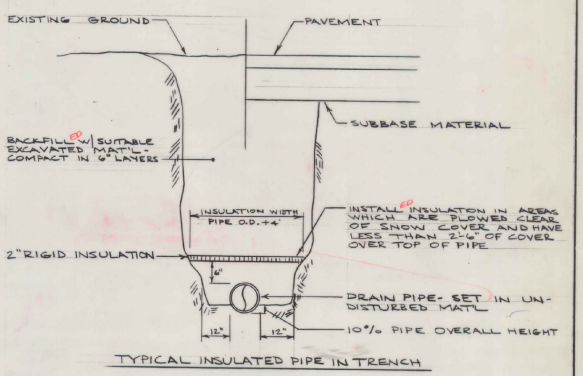


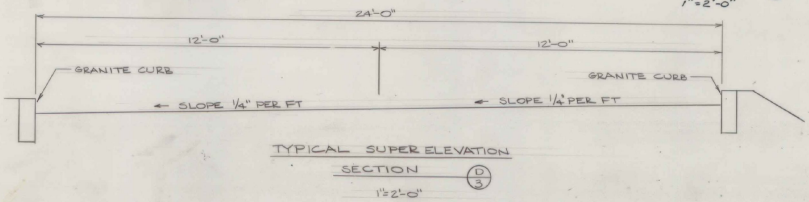


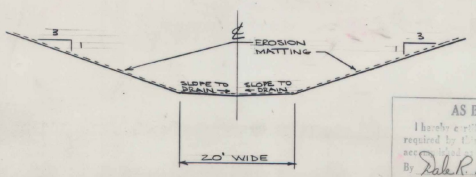












AS BUILT PLANS
I hereby certify that this construction required by the contract has been accomplished
By Dale R. Horton Resident Engineer
Date 5 FEB '87

9/20/82 REVISED SECT. REF. NO. & ADD SECT.
* 8/24/82 ADDED SECTIONS

SURVEY:
CALCULATED:
CHECKED:
DESIGN:
DRAWN: GEB
TRACED:
APPROVED: KWD
DATE: 8-82
SCALE: AS NOTED

PROJ. NO. 5181

SHEET 22 OF 44

TYPICAL ROAD DETAILS

RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIP 3-50-0015-02

P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495

ILLUMINATION DESIGN CRITERIA

DESIGN CRITERIA ~~SHALL~~ CONFORM TO RECOMMENDED PRACTICE FOR ROADWAY LIGHTING & PARKING FACILITIES AS OUTLINED IN THE IES LIGHTING HANDBOOK APPLICATIONS VOLUME, CHAPTER 14, CC 1981

THE FOLLOWING LEVELS SHALL BE MAINTAINED

VEHICULER TRAFFIC

	FOOT CANDLES	UNIFORMITY RATIO
LOW ACTIVITY	.5	4 TO 1
MEDIUM ACTIVITY	1.0	3 TO 1
HIGH ACTIVITY	2.0	3 TO 1

PEDESTRIAN SECURITY

LOW ACTIVITY	.8	5 TO 1
MEDIUM ACTIVITY	2.0	5 TO 1
HIGH ACTIVITY	4.0	5 TO 1

IES HANDBOOK RECOMMENDS FOR ROADWAY AVERAGE MAINTAINED ILLUMINANCE OF COLLECTOR ROADWAYS A FOOTCANDLE LEVEL OF 1.2. THUS ACCESS ROAD IS TO BE MAINTAINED AS A MEDIUM ACTIVITY AREA. DESIGNED LIGHTING PROVIDES AN AVERAGE FOOTCANDLE RATING OF 2.0 FOR THE ACCESS ROAD AREA. IES HANDBOOK RECOMMENDS TRANSPORTATION PARKING (AIRPORTS) TO MAINTAIN MEDIUM ACTIVITY LEVEL. DESIGNED LIGHTING PROVIDES AN AVERAGE FOOTCANDLE RATING OF 2.5 FOR THE PARKING AREA.

ALL STEEL CONDUIT ~~TO BE~~ INSTALLED FOR BEACON, PUMP STATION, AND LIGHTING. WIRING ~~SHALL BE~~ INCLUDED FOR PAYMENT UNDER ITS RESPECTIVE LUMP SUM ITEM. ESTIMATED QUANTITIES FOR THESE CONDUITS ARE AS FOLLOWS:

BEACON -	200 LF±
PUMP STATION -	65 LF±
LIGHTING -	1400 LF±

SEE SHEET 8 & 24 FOR ADDITIONAL DETAILS.

NEW UNDERGROUND ELECTRIC TO PARKING LOT LIGHTING

FOR CONTINUATION SEE 40 SCALE PLAN BELOW

GC ~~TO~~ INSTALL PAD BOX. BOX & TRANSFORMER BY OTHERS

NEW UG CABLE TO RELOCATED BEACON TO SEWAGE PUMP STATION

EXISTING UG CABLES

ABANDONED EXISTING CABLE TO BEACON

NEW METERS & FUSED DISCONNECTS. EXACT LOCATION ~~TO BE~~ APPROVED BY ENGINEER.

EXISTING PANEL

PROVIDE DOUBLE POLE BREAKER & MAKE CONNECTIONS

EXIST. DISC.

CONNECT NEW BEACON CABLE AT EXIST'G. J'CT BOX AT CLG. REUSE EXIST'G. VERTICAL CONDUIT WHEN OF APPLICABLE SIZE & MAT'L

EMPTY CONDUIT FOR FUTURE SIGN

EXIST'G. TEL. PANEL

HANGER

EXACT ROUTING OF CONDUIT RUNS INSIDE BUILDING ~~TO BE~~ APPROVED BY ENGINEER

PROVIDE 3 DOUBLE POLE BREAKERS, 2 PER GROUP PANEL AS REQUIRED

EXIST'G. PANEL

TERMINAL

OVERHEAD LINES & POLES TO BE REMOVED BY OTHERS

TOWN HIGHWAY #7

ACCESS ROAD

CEDARS

DIRT PILE

TRAILER

18" CMP INV 771.8

OVERHEAD PRIMARY, TELEPHONE & POLE ~~TO BE~~ REMOVED BY OTHERS

This o/h line remained

NEW OVERHEAD PRIMARY & TELEPHONE BY OTHERS

NEW POLE BY OTHERS SEE DETAIL "A"

GC ~~TO~~ INSTALL PAD BOX. BOX & TRANSFORMER BY OTHERS

EXISTING CONC. DUCT

EXIST'G. ROAD

RELOCATED BEACON & TOWER

RELOCATED EXIST'G. BEACON & TOWER

REMOVE EXISTING FOUNDATION, SEE ITEM 603.10-3.10

ABANDON 22.5 LF CONC. ENCASED LIGHTING CONDUIT

75 LF± CONC. ENCASED BEACON CONDUIT

75 LF± CONC. ENCASED MULTIPLE DUCT

75 LF± CONC. ENCASED STEEL CONDUIT

POLE ~~TO BE~~ REMOVED BY OTHERS

40 LF± CONC. ENCASED LIGHTING CONDUIT

40 LF± CONC. ENCASED MULTIPLE DUCT

SEWAGE PUMP

SEPTIC TANK

DRY WELL

C.F.R. BLDG

GRAVEL FUEL STORAGE

GASOLINE

HANGER

SEE 10 SCALE DETAIL FOR THIS AREA.

TERMINAL

TERMINAL LOOP

EXTEND & RUN NEW CONDUITS & CONCRETE ENCLOSURES AT EXIST'G. ELEC. CABLES

RUTLAND AIRWAYS BLDG

FLAG POLE

EXISTING POLE TO REMAIN

WELL SHED

RETAINING WALL

MON. #2

MON. #3

MON. #4

SOLFT CONC. ENCASED LIGHTING CONDUIT

Encased Water Line & Cable

NO WELL

34 LF± CONC. ENCASED MULTIPLE DUCT

EXISTING POLE SEE DETAIL "A", SHEET 24

W. PINES

Revised location of M.P.D for power & tele.

OVERHEAD PRIMARY & TELEPHONE TO BE REMOVED BY OTHERS

GC ~~TO~~ INSTALL PAD BOX, BOX & ENCLOSURE BY OTHERS

EXIST. POLE TO REMAIN TEMPORARILY SEE DETAIL "A", SHEET 24

46 LF± CONC ENCASED MULTIPLE DUCT

OVERHEAD POWER, TELEPHONE & POLE ~~TO BE~~ REMOVED BY OTHERS

NEW OVERHEAD PRIMARY & TELEPHONE BY OTHERS

P.M. #1

P.M. #2

ALL WIRING AND CONDUIT ~~TO BE~~ INSTALLED FOR THE SECONDARY POWER FEED TO THE TERMINAL AND THE C.F.R. BUILDING FROM THEIR RESPECTIVE TRANSFORMERS ~~SHALL BE~~ PAID UNDER INSTALLATION OF MISCELLANEOUS ELECTRICAL FACILITIES. EXCAVATION AND BACKFILL ~~SHALL BE~~ INCLUDED UNDER THIS LUMP SUM ITEM.

PART PLAN HANGER & TERMINAL

SCALE 1" = 10'-0"

CONDUITS SHOWN SCHEMATICALLY

4" P — PRIMARY CONDUIT UG
4" T — T'PHONE CONDUIT UG
4" S — SECONDARY CONDT & WIRE UG
LUMINAIRE
MULTIPLE DUCT
SINGLE DUCT
CONCRETE ENCASED

1" = 40'

10/18/83 — ADDED NOTES
9/20/83 — REVISED CONDUITS
1 — 8/15/80 — GENERAL REVISIONS

GENERAL NOTES

1. FOR EXACT LOCATION OF ABOVE GROUND EQUIPMENT SEE DRWG. NOS. 15 & 25
2. PROXIMINITY TO EACH OTHER OF CONDUIT RUNS SHOWN SCHEMATICALLY FOR CLARITY.
3. AVOID ~~DAMAGE~~ TO EXISTING UNDER-GROUND FACILITIES.
4. STEEL CONDUIT UNDER PARKING LOT, PVC ELSEWHERE. CONCRETE ENCASED UNDER ACCESS ROAD.
5. ALL NEW UNDERGROUND CABLE ~~TO BE~~ RUN IN CONDUIT.
6. LABEL OR IDENTIFY ALL CABLES AND/OR CONDUCTORS AT ALL JUNCTION OR TERMINAL POINTS.
7. UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER, OTHERWISE, ALL CONCRETE ENCASED MULTIPLE DUCT ~~SHALL BE~~ INSTALLED WITH TWO CONDUITS.

AS BUILT PLANS

I hereby certify that all the construction required by this set of drawings has been accomplished as shown hereon.

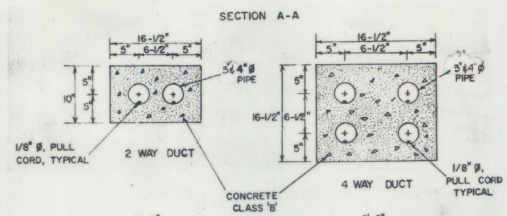
by Dale R. Porter Resident Engineer

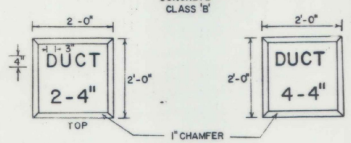
date 5 FEB 87

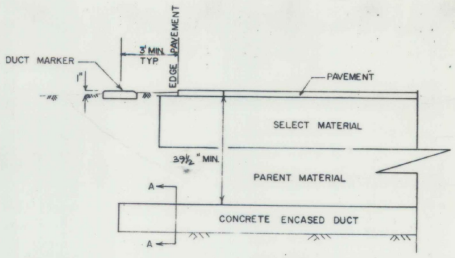
SURVEY:	REP, LDY
CALCULATED:	
CHECKED:	
DESIGN:	G
DRAWN:	G P S
TRACED:	
APPROVED:	MWP
DATE:	8/15/83
SCALE:	1" = 40'
PROJ. NO.	5781
SHEET	23 OF 44

SITE ELECTRICAL PLAN
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
AIP 3-50-0015-01

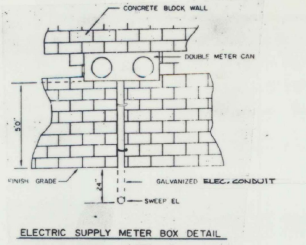
P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 7A, Taft Corners P.O. Box 685 Williston, Vermont 05495



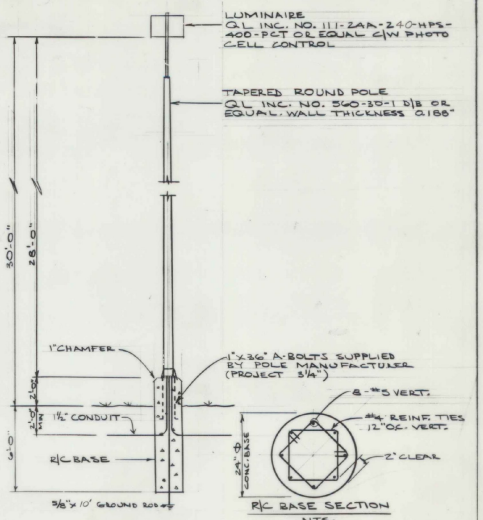




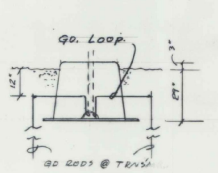
AIRPORT UNDERGROUND ELECTRICAL DUCT
(ENCASED)



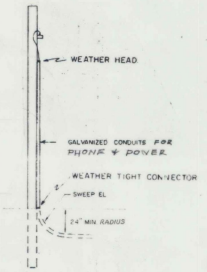
ELECTRIC SUPPLY METER BOX DETAIL



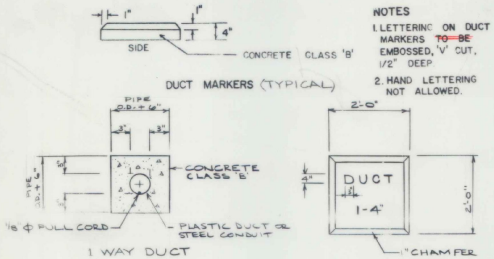
TYPICAL POLE W/ LUMINAIRE
N.T.S.

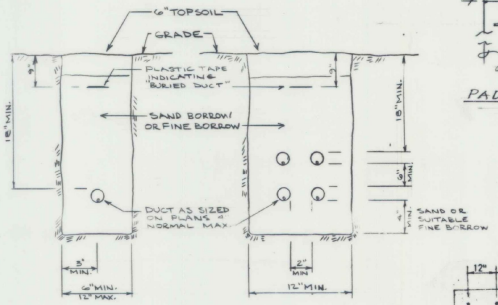


PAD BOX DETAIL
N T S

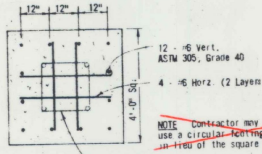


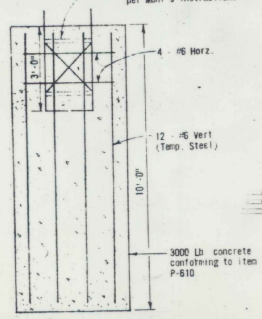
DETAIL "A"
POWER POLE



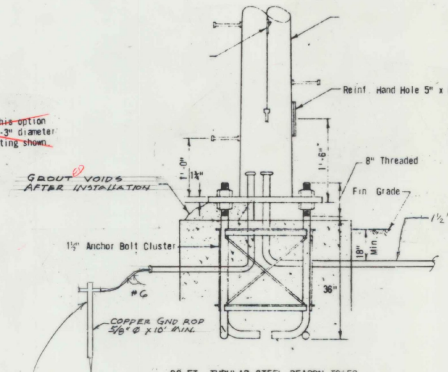


ELECTRICAL DUCT IN TRENCH DETAIL.

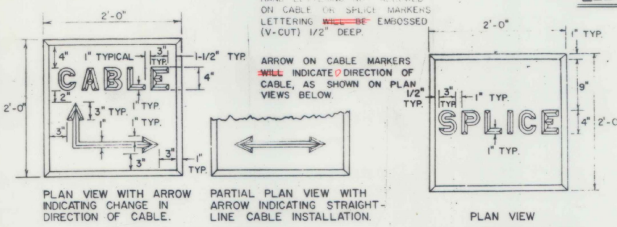


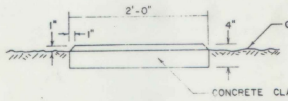


BEACON TOWER FOUNDATION DETAIL
N.T.S.



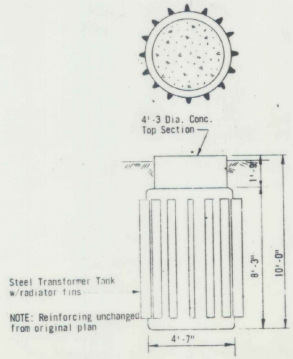
62 FT. TUBULAR STEEL BEACON TOWER
N.T.S.





ELEVATION VIEW (TYPICAL FOR CABLE AND SPLICE MARKERS)

CABLE AND SPLICE MARKERS



BEACON TOWER FOUNDATION
EXISTING or BASE (AS BUILT)

9/20/88 REVISED DUCT & LIGHT DETAILS
*8/24/83 REVISED DUCT & LIGHT DETAILS

AS BUILT PLANS
I hereby certify that all construction required by this set of drawings has been accomplished in the field hereon.
By Dallas R. Patton Resident Engineer
Date 5 Feb '87

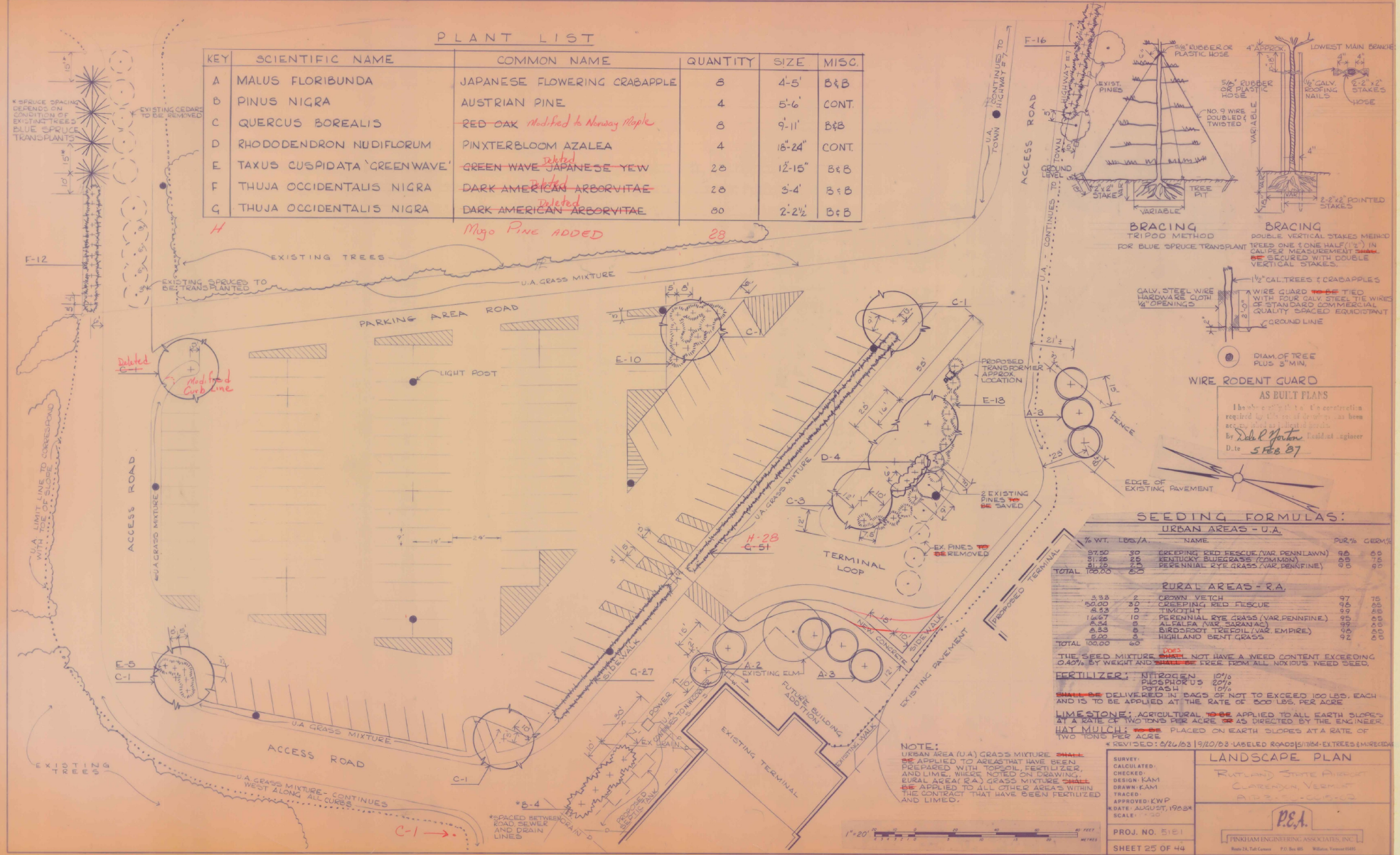
SURVEY:	
CALCULATED:	
CHECKED:	
DESIGN:	GPS
DRAWN:	GPS
TRACED:	
APPROVED:	KVP
*DATE:	8/15/83
SCALE:	NOTED
PROJ. NO.	5181
SHEET	24 OF 44

ELECTRICAL DETAILS
RUTLAND AIR PORT
CLARENDON, VERMONT
AIP 3-50-0015-02

P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 2A, Taft Corners P.O. Box 485 Williston, Vermont 05495

PLANT LIST

KEY	SCIENTIFIC NAME	COMMON NAME	QUANTITY	SIZE	MISC.
A	MALUS FLORIBUNDA	JAPANESE FLOWERING CRABAPPLE	8	4'-5'	B&B
B	PINUS NIGRA	AUSTRIAN PINE	4	5'-6'	CONT.
C	QUERCUS BOREALIS	~~RED OAK~~ Modified to Norway Maple	8	9'-11'	B&B
D	RHODODENDRON NUDIFLORUM	PINXTERBLOOM AZALEA	4	18"-24"	CONT.
E	TAXUS CUSPIDATA 'GREENWAVE'	~~GREEN WAVE JAPANESE YEW~~ Deleted	28	12'-15"	B&B
F	THUJA OCCIDENTALIS NIGRA	~~DARK AMERICAN ARBORVITAE~~ Deleted	28	3'-4'	B&B
G	THUJA OCCIDENTALIS NIGRA	~~DARK AMERICAN ARBORVITAE~~ Deleted	80	2'-2½'	B&B
H		Mugo Pine ADDED	28		



BRACING
TRIPOD METHOD
FOR BLUE SPRUCE TRANSPLANT

BRACING
DOUBLE VERTICAL STAKES METHOD
TREES ONE & ONE HALF (1½") IN CALIPER MEASUREMENT SHALL BE SECURED WITH DOUBLE VERTICAL STAKES.

WIRE RODENT GUARD
1½" CAL. TREES & CRABAPPLES
GALV. STEEL WIRE HARDWARE CLOTH ½" OPENINGS
WIRE GUARD TO BE TIED WITH FOUR GALV. STEEL TIE WIRES OF STANDARD COMMERCIAL QUALITY SPACED EQUIDISTANT
GROUND LINE
DIAM. OF TREE PLUS 3" MIN.

AS BUILT PLANS
I hereby certify to the construction required by this set of drawings as been accepted and filed at records.
By Debra P. Yorton Resident Engineer
Date 5 Feb 87

SEEDING FORMULAS:

URBAN AREAS - U.A.

% WT.	LBS./A.	NAME	PUR.%	GERM.%
37.50	30	CREEPING RED FESCUE (VAR. PENNLAWN)	98	80
31.25	25	KENTUCKY BLUEGRASS (COMMON)	85	75
31.25	25	PERENNIAL RYE GRASS (VAR. PENNFINE)	90	90
TOTAL 100.00	80			

RURAL AREAS - R.A.

3.33	2	CROWN VETCH	97	75
50.00	30	CREEPING RED FESCUE	96	85
8.33	5	TIMOTHY	99	85
16.67	10	PERENNIAL RYE GRASS (VAR. PENNFINE.)	90	90
8.34	5	ALFALFA (VAR. SARANAC)	95	90
8.33	5	BIRDSFOOT TREFOIL (VAR. EMPIRE)	90	80
5.00	3	HIGHLAND BENT GRASS	92	85
TOTAL 100.00	60			

THE SEED MIXTURE ~~SHALL~~ DOES NOT HAVE A WEED CONTENT EXCEEDING .0.40% BY WEIGHT AND ~~SHALL BE~~ FREE FROM ALL NOXIOUS WEED SEED.

FERTILIZER: NITROGEN 10%
PHOSPHORUS 20%
POTASH 10%
~~SHALL BE~~ DELIVERED IN BAGS OF NOT TO EXCEED 100 LBS. EACH AND IS TO BE APPLIED AT THE RATE OF 500 LBS. PER ACRE.

LIMESTONE: AGRICULTURAL ~~TO BE~~ APPLIED TO ALL EARTH SLOPES AT A RATE OF TWO TONS PER ACRE ~~OR~~ AS DIRECTED BY THE ENGINEER.

HAY MULCH: ~~TO BE~~ PLACED ON EARTH SLOPES AT A RATE OF TWO TONS PER ACRE.

* REVISED: 8/26/83 | 9/20/83 - LABELED ROADS | 5/17/84 - EXTREES & MIREEDAS

NOTE:
URBAN AREA (U.A.) GRASS MIXTURE ~~SHALL~~ BE APPLIED TO AREAS THAT HAVE BEEN PREPACED WITH TOPSOIL, FERTILIZER, AND LIME, WHERE NOTED ON DRAWING. RURAL AREA (R.A.) GRASS MIXTURE ~~SHALL~~ BE APPLIED TO ALL OTHER AREAS WITHIN THE CONTRACT THAT HAVE BEEN FERTILIZED AND LIMED.

SURVEY:
CALCULATED:
CHECKED:
DESIGN: KAM
DRAWN: KAM
TRACED:
APPROVED: KWP
DATE: AUGUST, 1983
SCALE: 1"=20'

PROJ. NO. 5181

SHEET 25 OF 44

LANDSCAPE PLAN
RUTLAND STATE AIRPORT
CLARENDON, VERMONT
RUTLAND COUNTY

P.E.A.
PINKHAM ENGINEERING ASSOCIATES, INC.
Route 7A, Taft Corners P.O. Box 485 Williston, Vermont 05495

EARTHWORK

V.C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V. CURVES	CORR. V.C.	DIST.	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	MUCK AREA	MUCK CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE (STONE BASE .15') AREA	BASE (STONE BASE .15') CU. YDS.
		PARKING AREA												
		1+0					0		0		0		0	
						50		118		102		233		208
		1+50					127		110		254		225	
						50		303		306		855		844
		2+0					200		220		671		368	
						50		292		361		1119		660
		2+50					122		170		538		345	
						50		221		157		734		375
		3+0					98		0		255		276	
						50		170				356		447
		3+50					71				129		207	
						50		108				157		318
		4+0					46				41		136	
						50		102				38		190
		4+50					64				0		67	
						50		57						64
		5+0					0						0	
								1343		926		3492		3,011
		ACCESS ROAD												
		0+10					77					85		58
						75		200						213
		1+0					23						40	
						50		54	0	56	0			152
		1+50					6		60		131		42	
						50		20		282		456		163
		2+0					1		10		115		46	
						50		46	0	12		282		159
		2+15				15								
		2+50					20				38		40	
						50		135				35		148
		3+0					2.4				0		40	
						100		158						147
		4+0					37						42	
						100		180						125
		5+0					84						60	
						85		143						141
		5+85				65	158						158	
		6+50					120	343					94	303
						100		435						300
		7+50					102						63	
						100		313						224
		8+50					64						42	
						50		112						78
		9+0					24						42	
						30		71						65
		9+80				80	178					870	75	
								2248		307		892		2254
		ACCESS ROAD EXTENSION												
		0+00					48						52	
						34		70						104
		0+34					83						83	
							93						40	
		0+62				28		39						41
		0+62					33						40	
						20	85						83	
		0+82						41						61
		0+82					83						53	
		0+82					38						40	
		1+0				18		25						21
							32						46	
		1+50				50		70						74
							35						40	
		2+0				50		73						94
							41						51	
		2+50				50		38						47
							0						0	
								410						428
		CARRIED FORWARD						4001		1233		4387		5708
		COLUMN FOOTINGS												

EARTHWORK

V.C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V. CURVES	CORR. V.C.	DIST.	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	MUCK AREA	MUCK CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU. YDS.
		PARKING AREA FROM												
		BL 2+17							40		60		30	
						83				144		284		78
		1+0							54		125		21	
						40				40				
		1+40				60	0		0			304		78
		2+0				100	12				39		21	
								48				81		81
		3+0				100	11				5		23	
							49	111				9		85
		4+0				100					0		23	
		4+25				25	0	23					0	11
						TOTAL		177		184		678		333
		CARRIED FORWARD						4001		1233		4387		5708
		COLUMN FOOTINGS						77		184		678		332

EARTHWORK SUMMARY

STATE OF VERMONT
DEPARTMENT OF
HIGHWAYS

SUMMARY OF BALANCES

STATION TO STATION	TOTAL EXCAV. EARTH & ROCK CUBIC YARDS	ROCK EXCAV. CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL	MUCK	BASE CUBIC YARDS
PARKING AREA	1343		3492					926	3011
ACCESS ROAD	2248		892					307	2227
ACCESS RD. EXTENSION 410									428
PARKING AREA RD. 177			675					184	332
TOTALS	4178		5065					1417	6044

SUMMARY BY COLUMNS

SHEET NO.	COL. NO.	EXCAVATION TOTAL CU. YDS.	EXCAVATION ROCK CU. YDS.	EMBANKMENT CUBIC YARDS	BASE CUBIC YARDS

REMARKS

EARTH AND ROCK EXCAVATION	
SOLID ROCK EXCAVATION	
EARTH EXCAVATION	4178
PLANIMETERED FILL	5065
LESS FACTORED SOLID ROCK	
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	
NET PLANIMETERED FILL	
FACTOR	
PLANIMETERED FILL INCLUDING FACTOR	5065
MATERIALS AVAILABLE FOR FILLS *	1370
EARTH EXCAVATION	4178
CHANNEL EXCAVATION	
UNDERDRAIN EXCAVATION	
STRUCTURE EXCAVATION	
TOTAL MATERIAL AVAILABLE FOR FILL	1370
TOTAL FILL INCLUDING FACTOR	5065
TOTAL MATERIAL FOR FILL	1370
BORROW	3695

* 1 FT. AVE. IN CUT AREAS

AS BUILT PLANS
I hereby certify that all the construction required by this set of drawings has been accomplished as indicated hereon.
By Dale R. Morton Assistant Engineer
Date 5 FEB '67

PROJECT PUT-IN-BAY STATE AIRPORT
AIP 3-50-0015-02

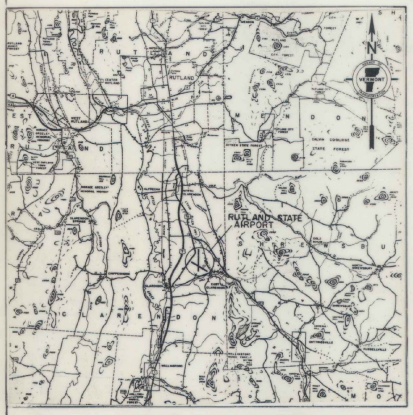
PROJECT NO
SHEET 26 OF 44 SHEETS

RUTLAND STATE AIRPORT

CLARENDON, VERMONT

PROJECT NO. AIP 3-50-0015-02

NEW ACCESS ROAD AND PARKING AREA
WITH RELATED UTILITY MODIFICATIONS



VICINITY MAP

GRAPHIC SCALE

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SHEET 2	EXISTING FACILITIES	SHEET 24	ELECTRICAL DETAILS
SHEET 3	AIRPORT SITE PLAN	SHEET 25	LANDSCAPE PLANS
SHEET 4	UTILITY RELOCATION AND INSTALLATION	SHEET 26	EARTHWORK QUANTITY SHEET
SHEET 5	ACCESS ROAD LAYOUT DATA	SHEET 27	B-5 SLOPE GRADING EMBANKMENTS MUCK 12-6-71
SHEET 6	ACCESS ROAD CROSS SECTION STA 0+00 TO 10+50	SHEET 28	D-2 C.R.M. HEADWALLS, UNDERDRAIN 12-16-76 R
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SHEET 12	SITE CROSS SECTIONS STA 4+50 TO 6+00	SHEET 34	D-13 REINFORCED CONCRETE MANHOLE 8-10-81 R
SHEET 13	SITE CROSS SECTIONS STA 8+50 TO 10+00	SHEET 35	D-16 PRECAST CURB DROP INLET, GRATE, RCP END SECTION ETC. 11-14-72 R
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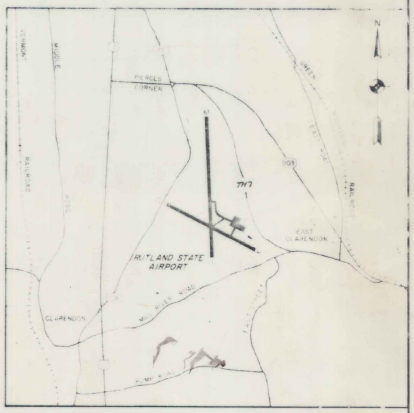

LOCATION MAP

GRAPHIC SCALE

AS BUILT PLANS

I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.

By Dale R. Yaxley Resident Engineer

Date 5 FEB '87

THESE PLANS AND SPECIFICATIONS ARE IN ACCORDANCE WITH CRITERIA CONTAINED IN CURRENT FAA ADVISORY CIRCULARS AS INDICATED IN AC CHECK-LIST AC 00-2MR DATED 03/15/83.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION
ENGINEERING AND SAFETY BRANCH
Approved: _____
Date: _____

STATE OF VERMONT
AGENCY OF TRANSPORTATION
DIRECTOR OF ENGINEERING AND CONSTRUCTION
Approved: S. J. Gage P.E.
Date: 11-4-83

PREPARED BY:
PINKHAM ENGINEERING ASSOC.
WILLISTON, VERMONT