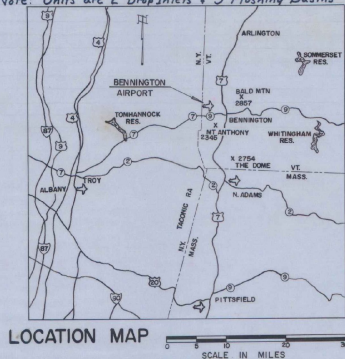


ESTIMATED QUANTITIES

ITEM NO.	ITEM	QUANTITY
1	CLEARING	6 acres
2	CLEARING OF ISOLATED TREES (0'-30')	101 ea. 14 ea.
3	CLEARING OF ISOLATED TREE (30'-60')	14 ea. 12 ea.
4	CLEARING AND GRUBBING	1 acre
5	COMMON EXCAVATION	49,000 C.Y.
6	SOLID ROCK EXCAVATION	1,000 C.Y. 1,154 cy
7	BORROW EXCAVATION	38,000 C.Y. 51,280 cy
8	SUBBASE COURSE	4,925 C.Y. 4,955 cy
9	AGGREGATE BASE COURSE	2,600 C.Y. 2,500 cy
10	AGGREGATE BIT. SURFACE COURSE	2,550 tons 2,464.3 tons
11	BITUMINOUS PRIME COAT	14,000 gals. 11,622 gals
12	RUNWAY AND TAXIWAY PAINTING	1 L.S.
13	FENCE, CLASS B	3,000 ft.
14	DRIVEWAY GATES	2 ea.
15	18" BIT COATED CULVERT PIPE	700 ft.
16	8" PERF. CORR. UNDERDRAIN PIPE	1,650 ft.
17	6" PERF. CORR. UNDERDRAIN PIPE	5,600 ft. 5,440 ft.
18	POROUS BACKFILL NO. 1	4,150 C.Y.
19	UNITS OF CORRUGATED METAL STRUCT.	11 ea.
20	UNCLASSIFIED EXCAVATION FOR STRUCT.	10 C.Y.
21	STRUCTURE CONCRETE	5 C.Y.
22	REINFORCED STEEL	100 lb.
23	PREPARING GROUND SURFACE	26 acres
24	LIMING	26 acres
25	FERTILIZING	26 acres
26	SOWING SEED	26 acres
27	MOWING	78 acres
28	REFERTILIZING	26 acres 0 acres
29	RESEEDING	12 acres 0 acres
30	REPAIRING	100 C.Y. 260 cy
31	TOPSOILING	5,250 C.Y. 6,691 cy
32	MULCHING	26 acres
33	SINGLEWAY UNDERGROUND ELEC. DUCT.	336 ft.
34	RIP-RAP	25 C.Y.
35	DEMOLITION AND DISPOSAL OF BUILDINGS	1 L.S.

*Note: Units are 2 Drop Inlets & 9 Flushing Basins



PLANS FOR CONSTRUCTION OF AIRPORT RUNWAY AND REMOVAL OF OBSTRUCTIONS

BENNINGTON MUNICIPAL AIRPORT BENNINGTON, VERMONT

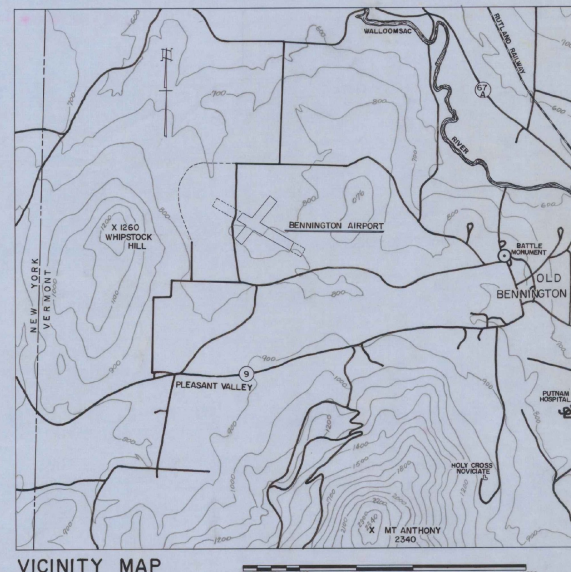
"As Built" Plans

PROJECT NO. 9-43-001-C802

SEPTEMBER-1967

INDEX TO CONTRACT DRAWINGS SHEET NO. TITLE

1	TITLE SHEET, INDEX AND SUMMARY OF QUANTITIES
2	AIRPORT PLAN DETAILS
3-5	DRAINAGE AND GRADING PLANS
6	RUNWAY CENTERLINE PROFILE
7	SOIL INFORMATION AND RUNWAY MARKING DETAILS
8-9	TYPICAL SECTIONS, STANDARDS AND DETAIL



These plans represent the as built facility to the best of our knowledge. Prepared by Cadiz, Inc. 11/24/90

FEDERAL AVIATION ADMIN.

APPROVED DATE

CHIEF AIRPORTS BRANCH

VERMONT AERONAUTICS BOARD

APPROVED DATE TITLE

COMMISSIONER
ENGINEER

TOWN OF BENNINGTON

APPROVED DATE AUTHORITY

William H. Morse 8/15/67

Louis F. Smith 8/15/67

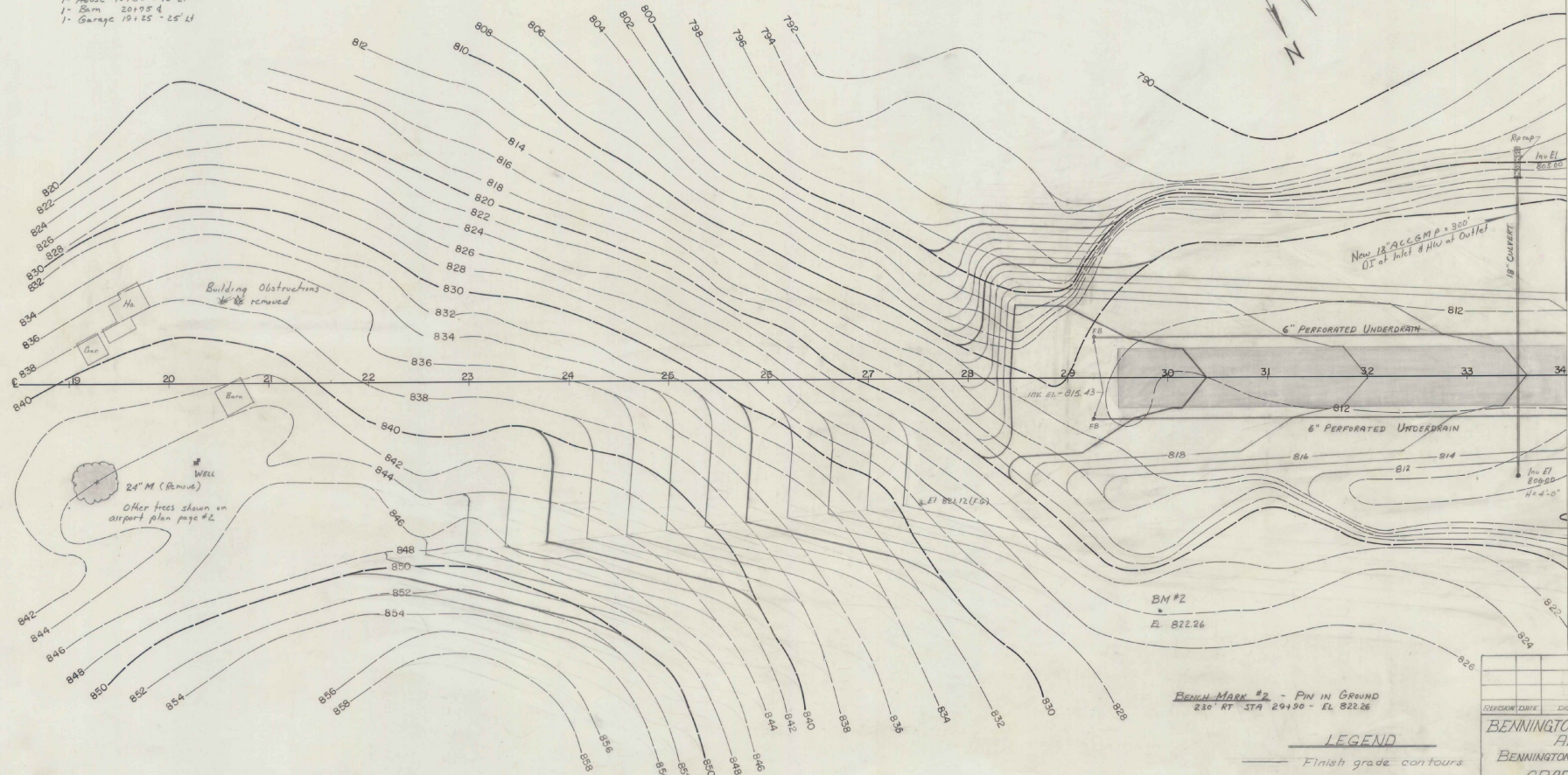
CHAIRMAN
AIRPORT COMMISSION

CHAIRMAN
BOARD OF SELECTMEN

PREPARED BY
CADIZ CONSULTANTS, INC.
CONSULTING ENGINEERS & SURVEYORS
BENNINGTON, VERMONT

Demolition & Removal of Buildings Completed

- 1- House 191.50 - 75' LT
- 1- Barn 201.75 d
- 1- Garage 191.25 - 25' LT



Underdrain grade is 6 (six) feet
below centerline finish grade
at all stations. (Left and Right)

Underdrain shown is
6" Perforated Corrugated Aluminum Pipe Underdrain

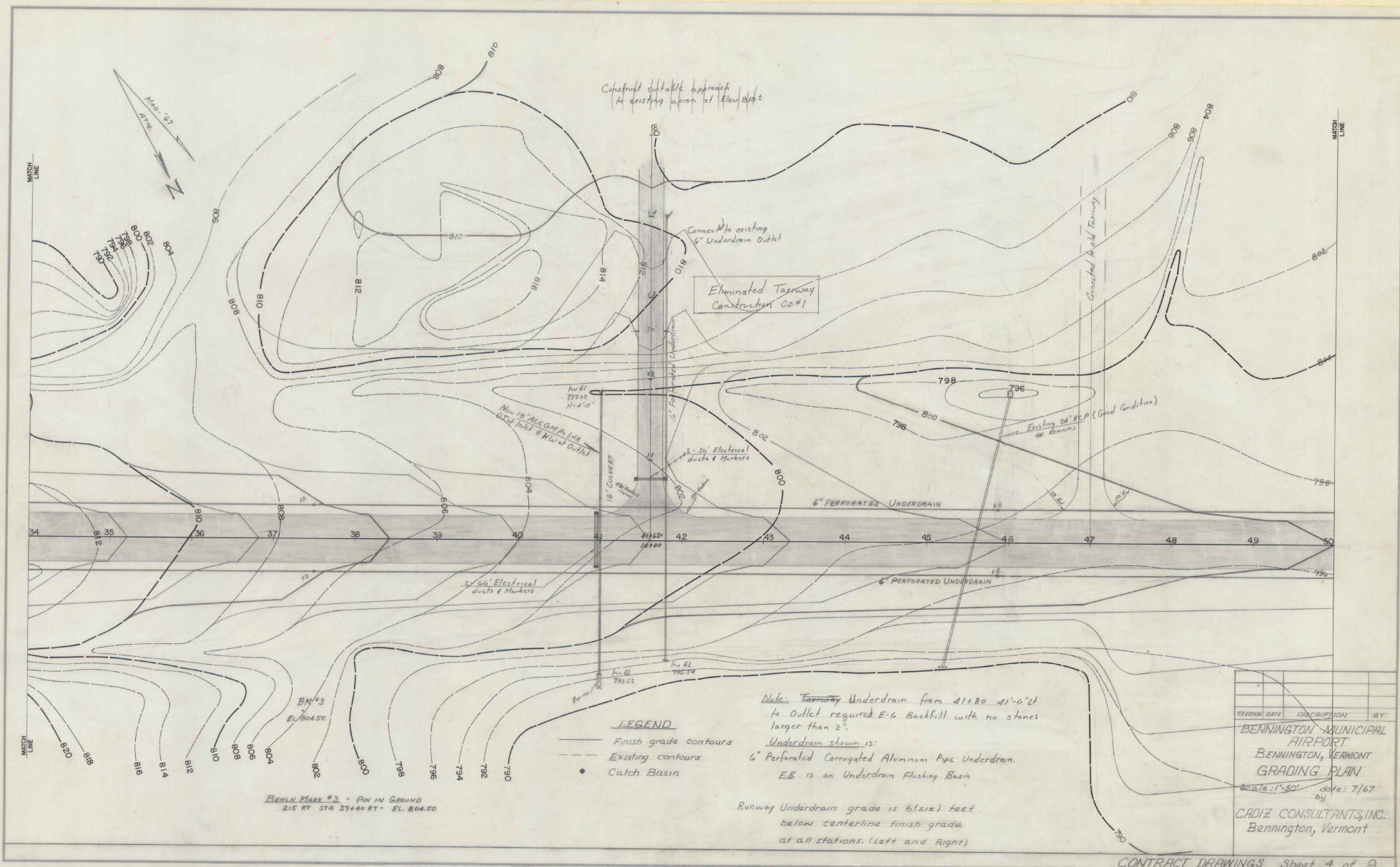
E.B. is an Underdrain Flushing Basin

BENCHMARK #2 - PIN IN GROUND
230' RT STA 29+90 - EL 822.26

LEGEND

- Finish grade contours
- - - Existing contours
- Catch basin
- Individual tree

DIVISION	DATE	DESCRIPTION	BY
BENNINGTON MUNICIPAL		AIRPORT	
BENNINGTON, VERMONT		GRADING PLAN	
scale: 1"=50'	date: 7/67		
CADIZ CONSULTANTS, INC.		Bennington, Vermont	



BENCH MARK #5 - PIN IN GROUND
200' LT STA 51+60 - EL 798.81

BENCH MARK #6 - POINT ON ROCK
125' LT STA 62+0 - EL 785.74

Existing Pavement ~~W~~ removed
to the airport property line.

Removed Pav't
P-156

B.M. #6
ELEV 785.74

B.M. #5
ELEV 798.81

2-66' Electrical
ducts & Markers
798

6" Perforated Underdrain

8" Perforated Underdrain

6" Perforated Underdrain

8" Perforated Underdrain

Removed Pav't
P-156

Underdrain shown is
6" & 8" Perforated Corrugated Aluminum
Pipe Underdrain

E.B. is an Underdrain Flushing Basin

Existing Pavement ~~W~~ removed
to the airport property line.

Underdrain grade is 0.500 feet
below centerline finish grade
at all stations. (Left and Right)

LEGEND

— Finish grade contours

- - - Existing contours

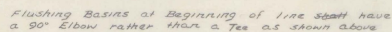
• Catch basin

REVISION DATE DESCRIPTION BY
BENNINGTON MUNICIPAL
AIRPORT
BENNINGTON, VERMONT
GRADING PLAN

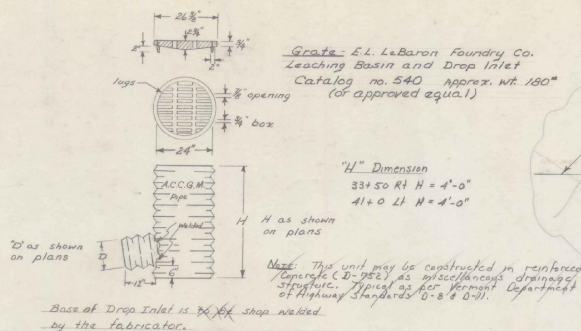
Scale: 1"=50' date: 7/67
by

CADIZ CONSULTANTS, INC.
Bennington, Vermont

REVISION	DATE	DISCRPTION	BY
BENNINGTON MUNICIPAL AIRPORT BENNINGTON, VERMONT TYPICAL SECTIONS and DETAILS scale: as noted date: 7/67 by CADIZ CONSULTANTS, Inc. Bennington, Vermont			



Gratz - E. L. Le Baron Foundry Co.
Underdrain Flushing Basin Cover
Catalog no. LK 330 Approx. wt 15#
(or approved equal)



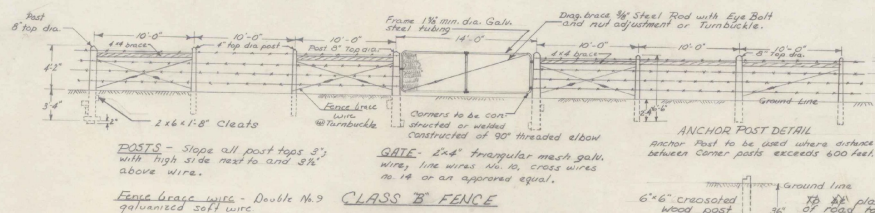
Grate - E.L. LeBaron Foundry Co.
Leaching Basin and Drop Inlet
Catalog no. 540 approx. wt. 180*
(or approved equal)

"H" Dimension
 $33 + 50 \text{ Rt } H = 4' - 0"$
 $41 + 0 \text{ Lt } H = 4' - 0"$

Note: This unit may be constructed in reinforced concrete (D-752) as miscellaneous drainage structure. Typical as per Vermont Department of Highway Standards D-8 & D-11.

Base of Drop Inlet is ~~to be~~ shop welded by the fabricator.

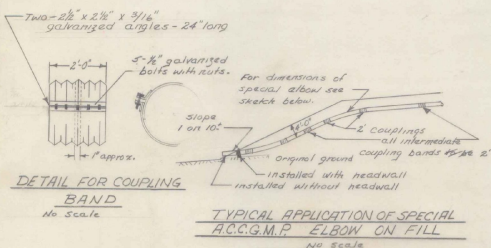
24" A.C.C.G.M.P. DROP INLET - WITH GRATE - D-751



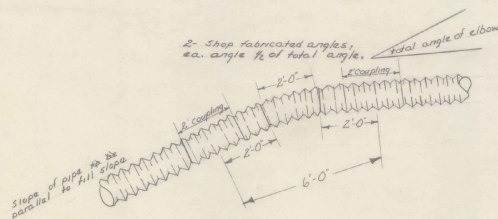
~~state~~ suitable connections made
to existing fence lines.

Location of Fence & Gate shown
on Sheet 2 of 9.

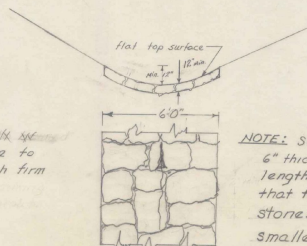
AIRPORT FENCE TYPICAL (barbed wire) - GATE STOP
No scale F-160



SPECIAL A.C.C.G.M.P ELBOW AND COUPLING
No scale



NOTE: Stones are ~~1/4~~ 1/2
rammed into place to
present a smooth firm
surface.



NOTE: Stones to be not less than 6" thick, nor less than 12" in length and/or width, except that the interstices between stones are to be chinked with smaller stones.

RIP-RAP GUTTER DETAIL

NO SCALE:

REVISION	DATE	DISCUSSION	BY
BENNINGTON MUNICIPAL AIRPORT BENNINGTON, VERMONT TYPICAL SECTIONS and DETAILS scale: as noted date: 7/67 by CADIZ CONSULTANTS, INC. Bennington, Vermont			

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY
1	Sub-base of Gravel	6450 CY
2	Gravel Base Course	1965 CY
3	Tack Coat Type I-B	14,700 GAL
4	Bituminous Concrete Pavement	10 TONS
5	12" A.C.C.G.M.P.	96 LF
6	15" A.C.C.G.M.P.	18 LF
7	18" A.C.C.G.M.P.	254 LF
8	24" A.C.C.G.M.P.	80 LF
9	ACCGMP Arch 3' x 50"	40 LF
10	ACCGMP Arch 40" x 65"	50 LF
11	6" Perf. Corr. Alum. Alloy Pipe (Estimated)	300 LF
12	Drop Inlet, Type III	1 EA
13	Wood Guide Post	16 EA

PLANS FOR CONSTRUCTION OF THE WHIPSTOCK CONNECTION

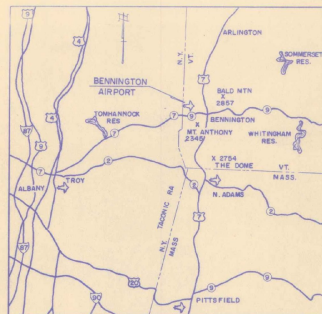
BENNINGTON, VERMONT

"As Built" Plans
as of February 1970

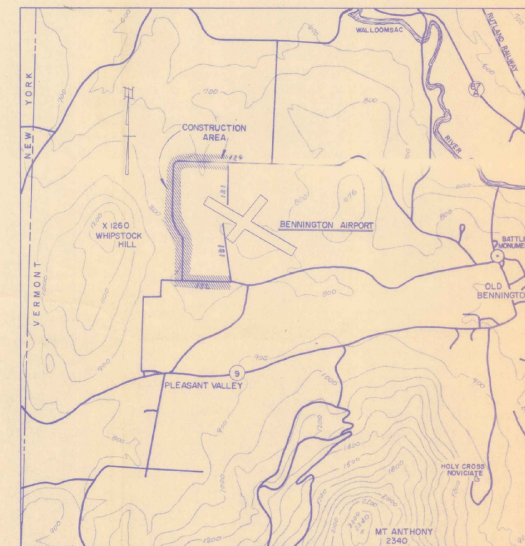
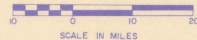
*The Attached plans are not "As Built"
but construction plans. "As Built"
plans for this Force Account work
were waived by Bos-Goo on
16 March 1970*

MB:CAH

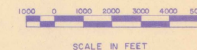
PROJECT NO. FORCE ACCOUNT (9-43-001-C802)



LOCATION MAP



VICINITY MAP



FEBRUARY, 1968

*These plans were prepared for the Town of Bennington
at the request of the VAB and the FAA and built under
the supervision of the Towns Road Commissioner. Approved: J. G. Gully
March 22/1968*

FEDERAL AVIATION ADMIN.

APPROVED _____ DATE _____

CHIEF AIRPORTS BRANCH

VERMONT AERONAUTICS BD.

APPROVED _____ DATE _____ TITLE _____

COMMISSIONER

ENGINEER

VERMONT HIGHWAY DEPT.

APPROVED _____ DATE _____ TITLE _____

DISTRICT ENGINEER

TOWN OF BENNINGTON

APPROVED _____ DATE _____ AUTHORITY _____

CHAIRMAN
AIRPORT COMMISSIONCHAIRMAN
BOARD OF SELECTMEN

CADIZ CONSULTANTS, INC.

CONSULTING ENGINEERS AND SURVEYORS
BENNINGTON, VERMONT

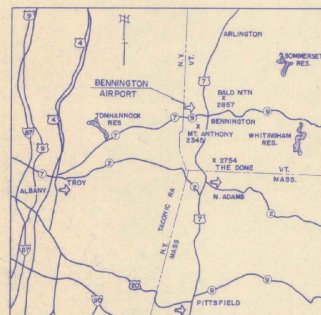
ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY
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7	18" A.C.C.G.M.P.	254 LF
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10	ACCGMP Arch 40" x 65"	50 LF
11	6" Perf. Corr. Alum. Alloy Pipe (Estimated)	300 LF
12	Drop Inlet, Type III	1 EA.
13	Wood Guide Post	16 EA.

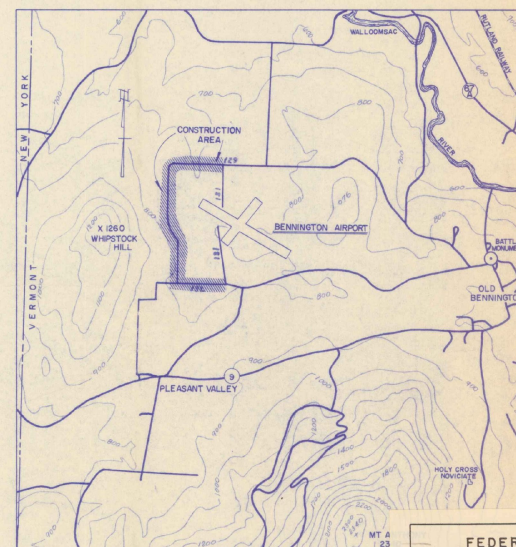
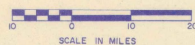
PLANS FOR CONSTRUCTION OF THE WHIPSTOCK CONNECTION

BENNINGTON, VERMONT

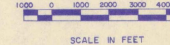
PROJECT NO. FORCE ACCOUNT (9-43-001-C802)



LOCATION MAP



VICINITY MAP



INDEX TO DRAWINGS

SHEET NO.	TITLE
1	TITLE SHEET, INDEX AND SUMMARY OF QUANTITIES
2-6	PLAN AND PROFILE
7-12	CROSS-SECTIONS
13	TYPICAL SECTIONS AND DETAILS

See Preliminary Plans for X Sections

FEDERAL
AIRPORT PROGRAM
Bennington Municipal Airport
PROJECT DOCUMENT
Bennington, Vermont
This Material is An Official
Part Of Grant Agreement
Project No. 9-43-001-C802
Construct Whipstock Connector.
EA Form 5100-2 (3-66) (Replaces EA
Form 2410 which may be used)

FEBRUARY, 1968

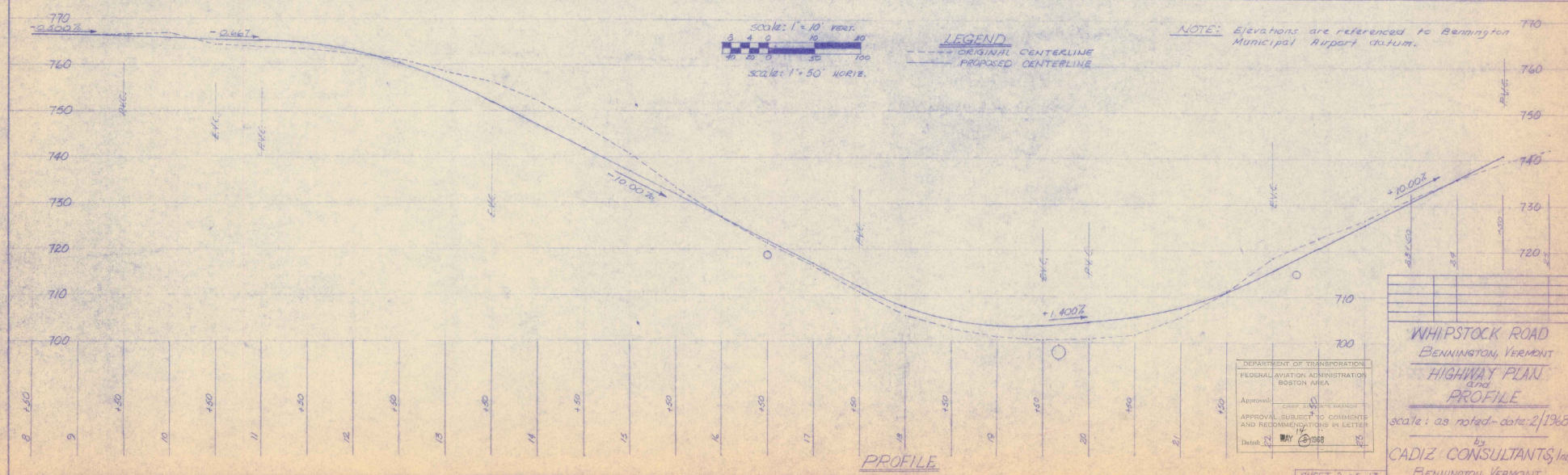
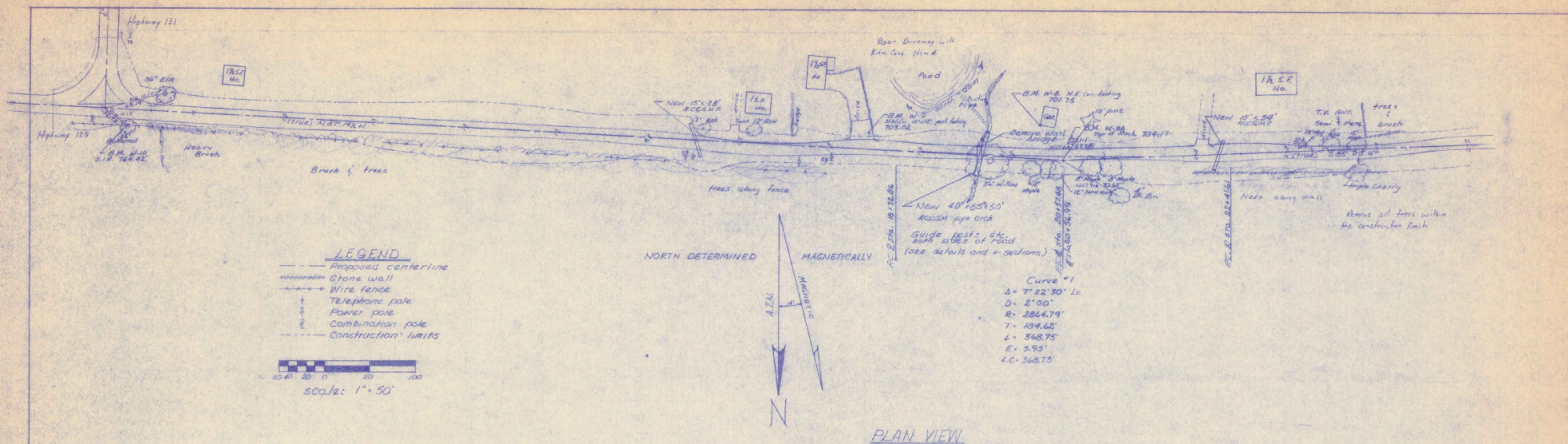
FEDERAL AVIATION ADMIN.
APPROVED _____ DATE _____
CHIEF AIRPORTS BRANCH

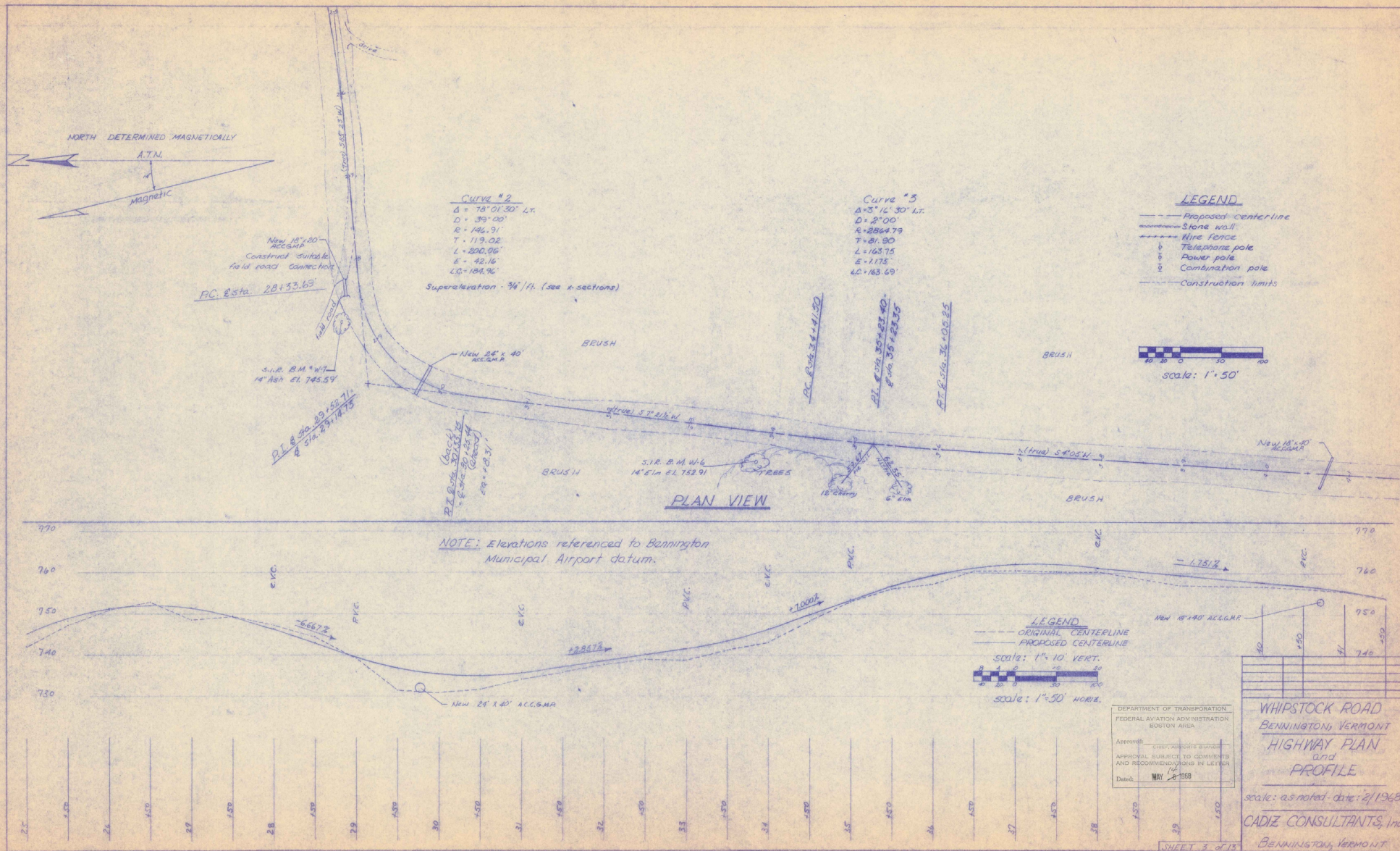
VERMONT AERONAUTICS BD.
APPROVED _____ DATE _____ TITLE _____
COMMISSIONER
ENGINEER

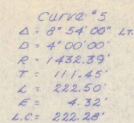
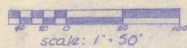
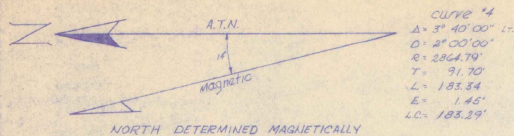
VERMONT HIGHWAY DEPT.
APPROVED _____ DATE _____ TITLE _____
DISTRICT ENGINEER

TOWN OF BENNINGTON
APPROVED _____ DATE _____ AUTHORITY _____
CHAIRMAN
AIRPORT COMMISSION
CHAIRMAN
BOARD OF SELECTMEN

CADIZ CONSULTANTS, INC.
CONSULTING ENGINEERS AND SURVEYORS
BENNINGTON, VERMONT

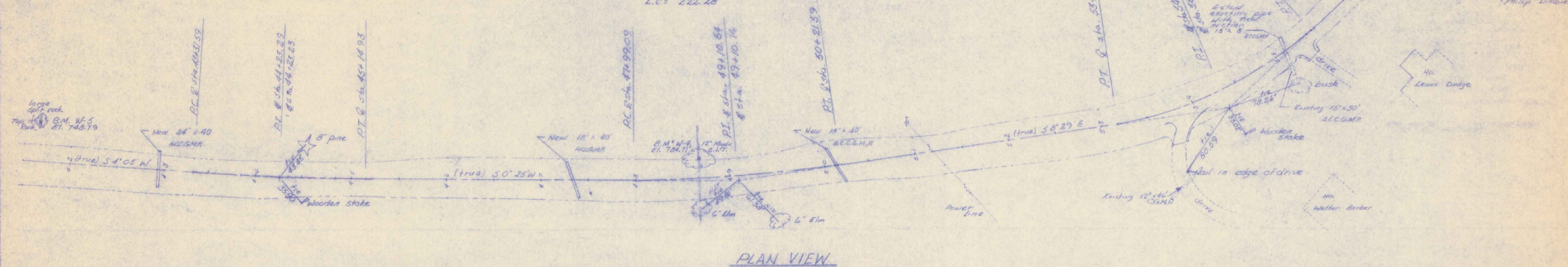
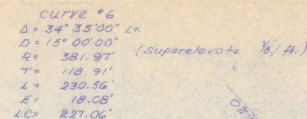




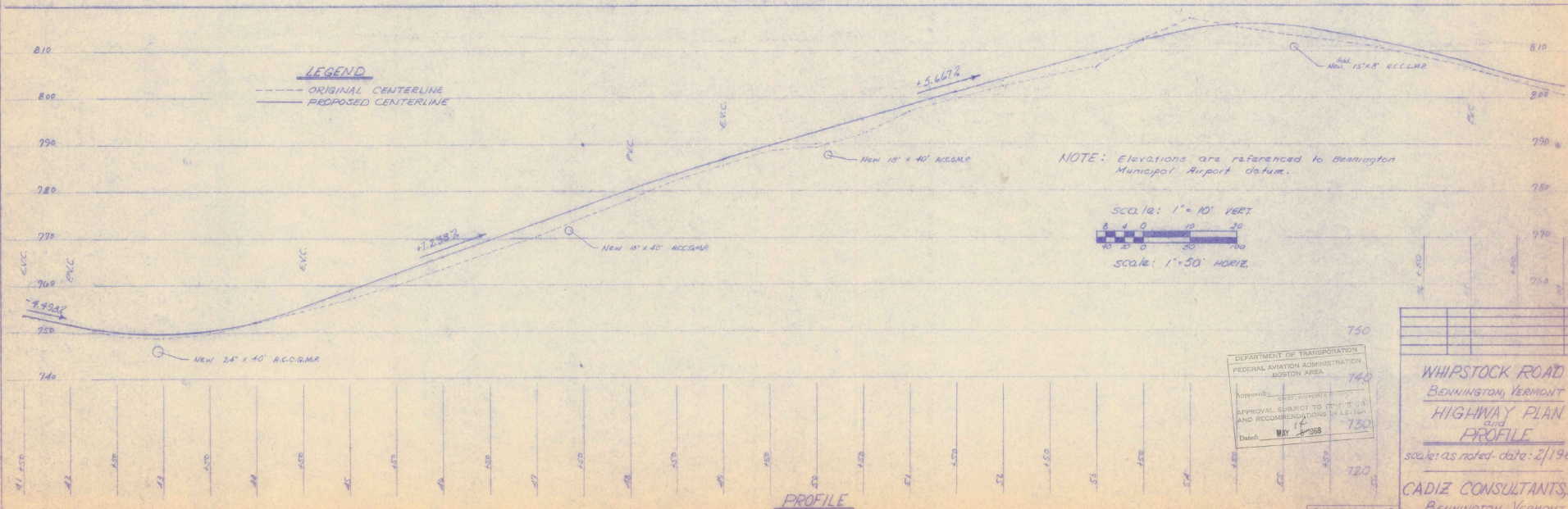


LEGEND

- Proposed centerline
- Stone wall
- Wire fence
- Telephone pole
- Power pole
- Combination pole
- Construction limits

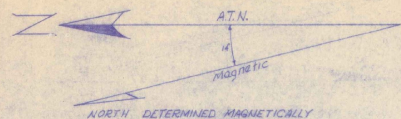


PLAN VIEW



DEPARTMENT OF TRANSPORTATION
 FEDERAL AVIATION ADMINISTRATION
 BOSTON AREA
 Approved: [Signature]
 APPROVAL SUBJECT TO CIVIL ENGINEER'S
 AND RECOMMENDATIONS IN L.S. 111
 Date: MAY 8 1968

WHIPSTOCK ROAD
 BENNINGTON, VERMONT
 HIGHWAY PLAN
 PROFILE
 scales as noted, date: 2/1968
 CADIZ CONSULTANTS, Inc.
 BENNINGTON, VERMONT

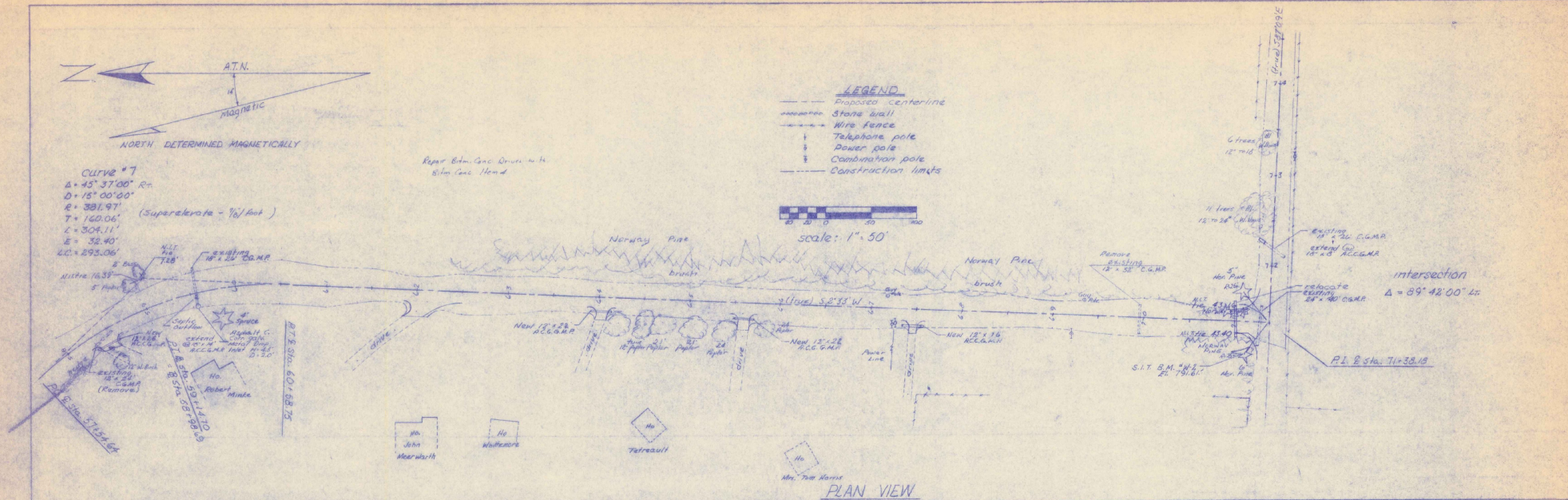


CURVE #7
 $\Delta = 45^\circ 37' 00''$ Rn
 $D = 18^\circ 00' 20''$
 $E = 391.97'$
 $T = 160.06'$ (Superelevation - $\frac{1}{4}$ ft)
 $L = 304.11'$
 $E = 52.40'$
 $E.C. = 293.06'$

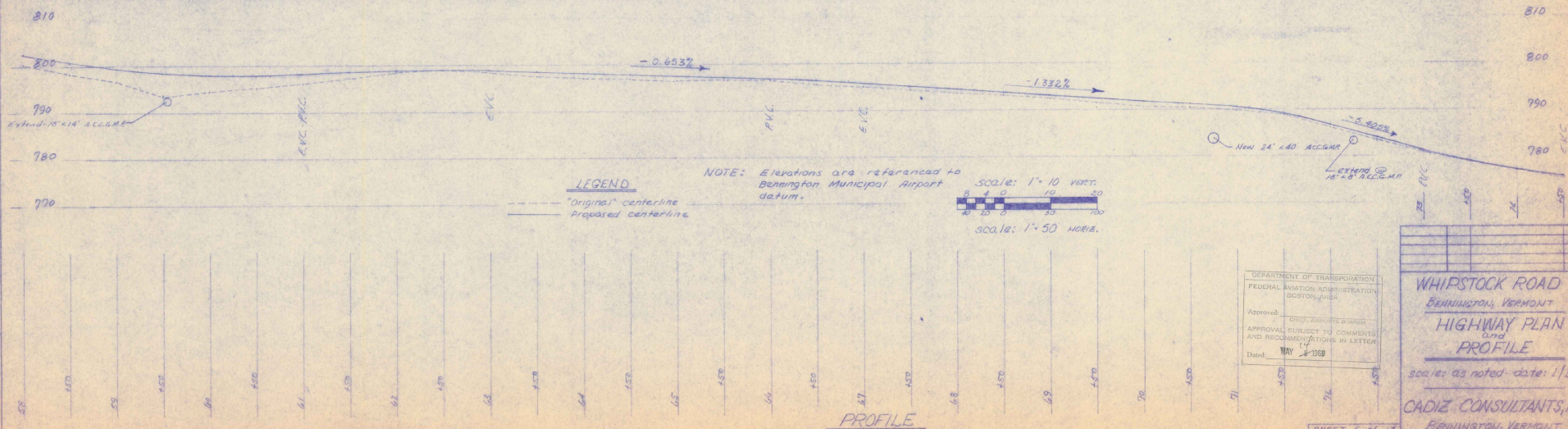
Refer Stationing Drivers to the
 Stationing Hand

LEGEND
 --- Proposed centerline
 --- Stone wall
 --- Wire fence
 --- Telephone pole
 --- Power pole
 --- Combination pole
 --- Construction limits

scale: 1" = 50'



PLAN VIEW



LEGEND
 --- "Original" centerline
 --- Proposed centerline

NOTE: Elevations are referenced to
 Bennington Municipal Airport
 datum.

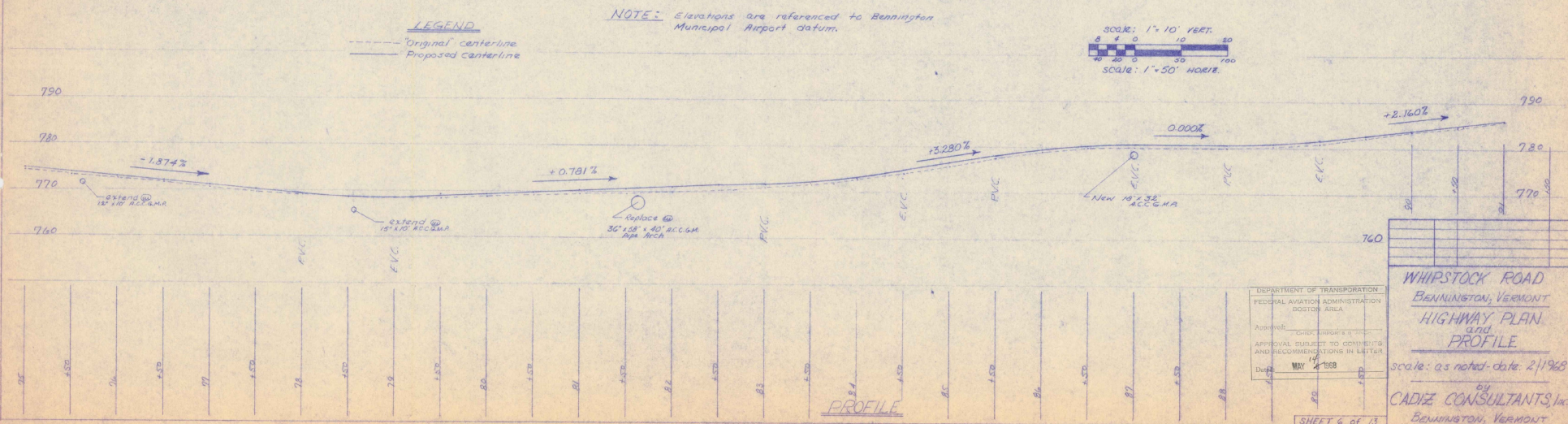
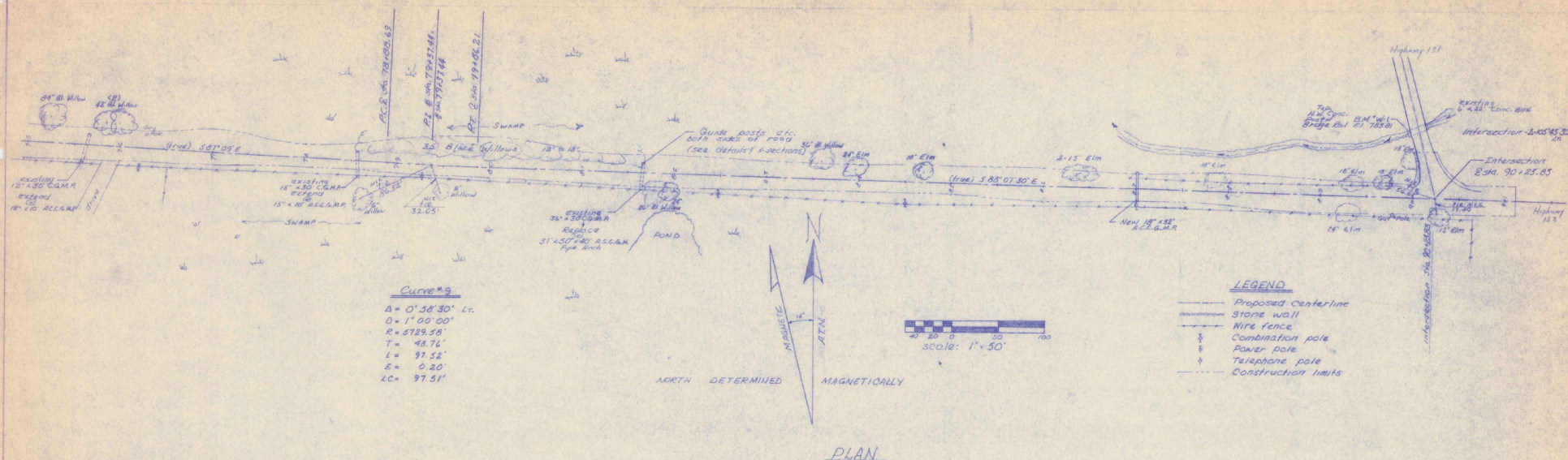
scale: 1" = 10 VERT.
 scale: 1" = 50 HORIZ.

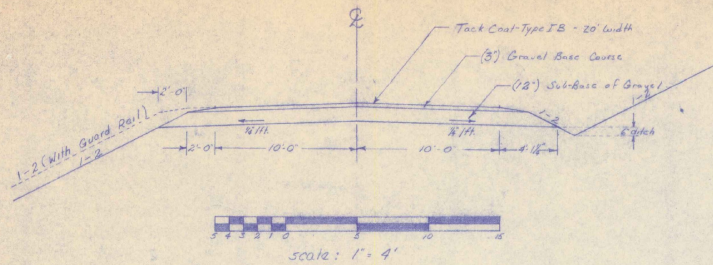
DEPARTMENT OF TRANSPORTATION
 FEDERAL AVIATION ADMINISTRATION
 BOSTON AREA
 Approved: _____
 APPROVAL SUBJECT TO COMMENTS
 AND RECOMMENDATIONS IN LETTER
 Date: MAY 2 1969

WHIPSTOCK ROAD
 BENNINGTON, VERMONT
 HIGHWAY PLAN
 and
 PROFILE

scales: as noted - date: 1/1/68

CADIZ CONSULTANTS, Inc.
 BENNINGTON, VERMONT



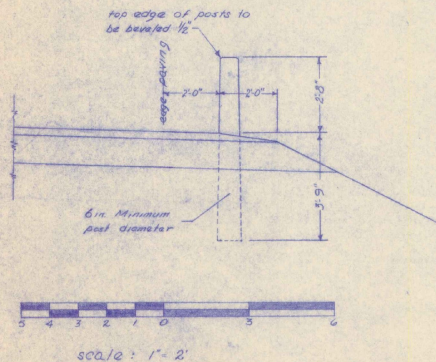


TYPICAL SECTION

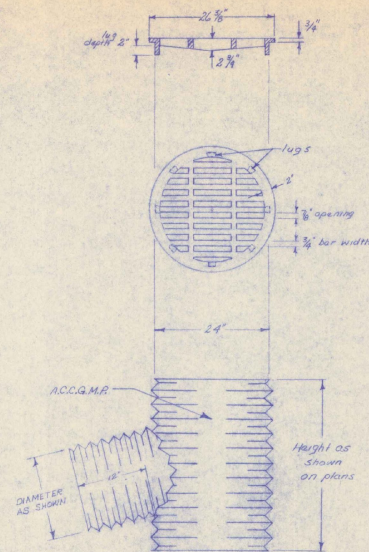
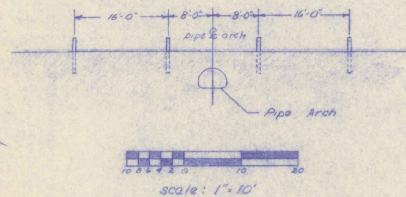
Station 10+00 - 90+23.83 (except as otherwise noted in the Cross Sections)

Drainage pipes are to be at least 18" Below Sub-Base of Gravel.

Asphalt Material to be applied to a width of 20 feet at the rate specified by the Supervisor



WOOD GUIDE POST DETAIL



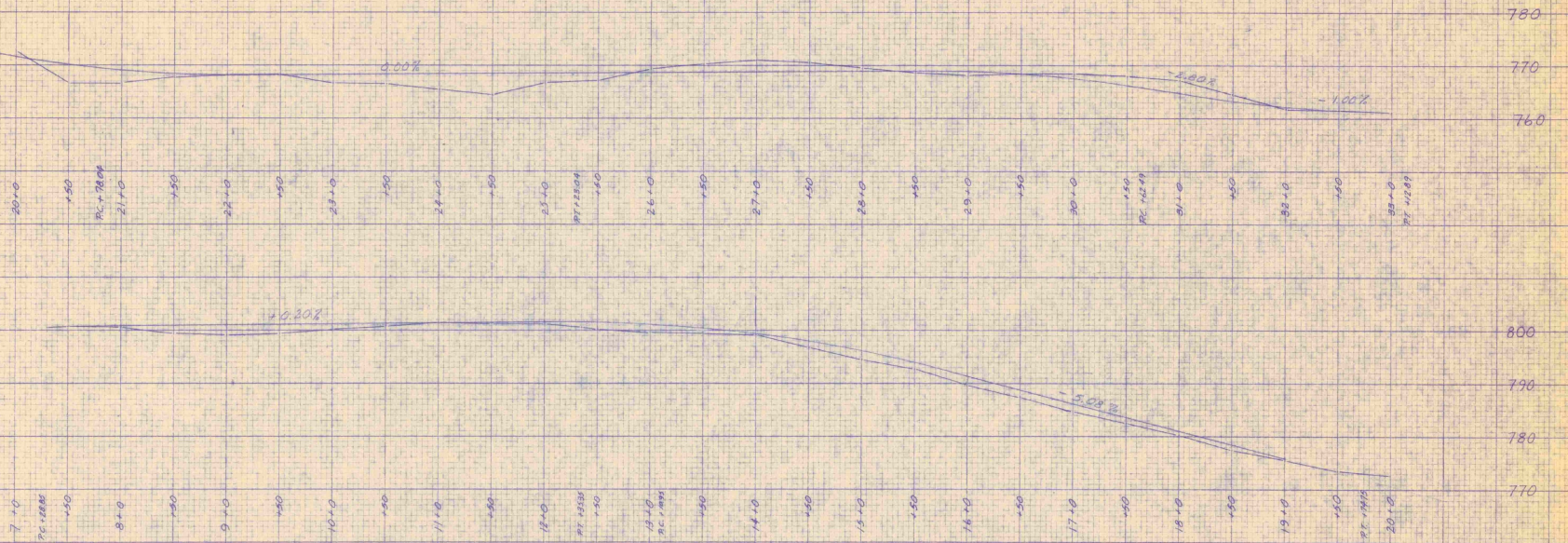
The ACCG.M.P. Drop Inlet may have a metal bottom which is to be shop welded by the fabricator, or a 48" diameter reinforced concrete base which is to be cast in place.

24" ACCG.M.P. DI WITH GRATE

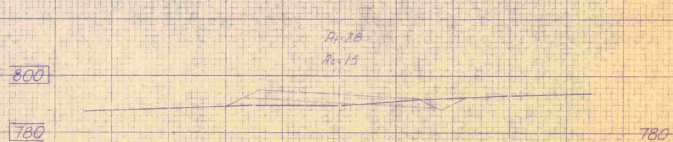
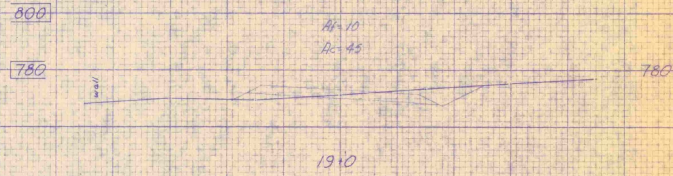
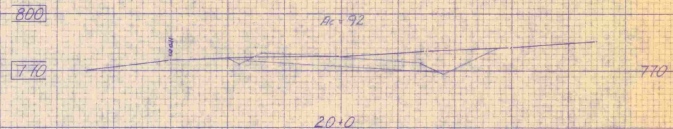
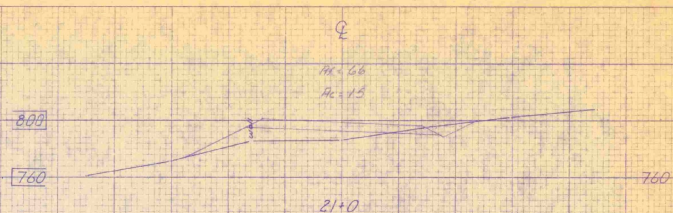
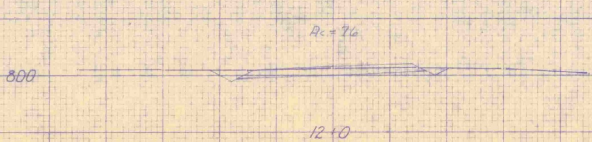
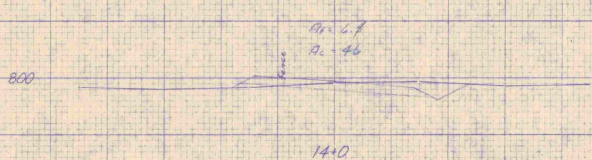
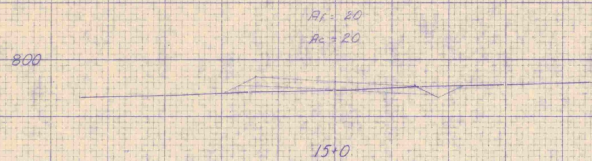
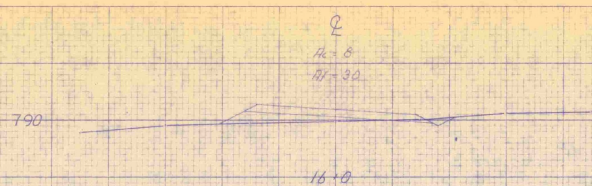
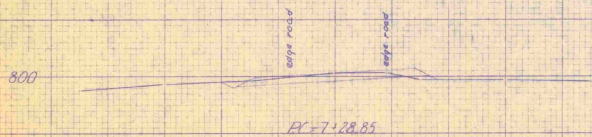
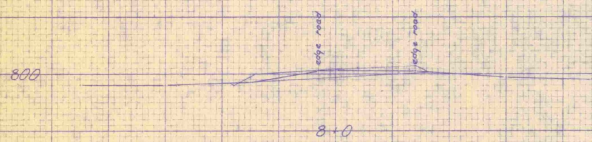
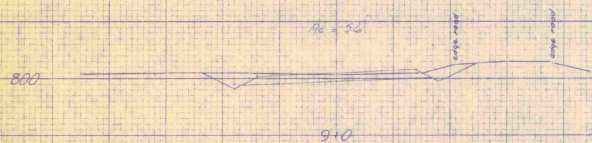
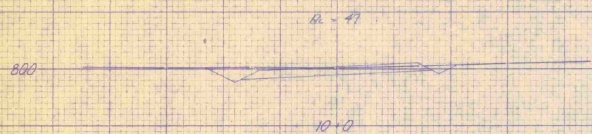
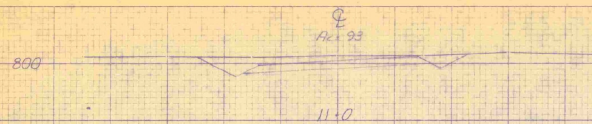
Drop Inlet - Type III

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION BOSTON AREA	
Approved:	FOR: REQUIRE SIGNATURE
APPROVAL SUBJECT TO COMMENTS AND RECOMMENDATIONS IN LETTER	
Date:	14 MAY 1968

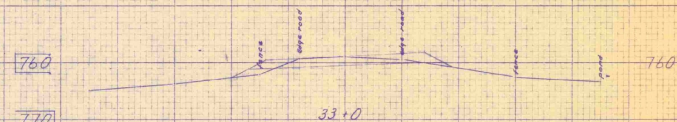
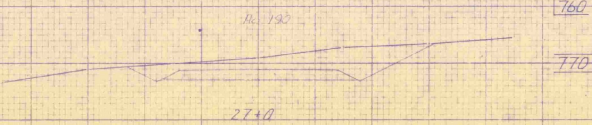
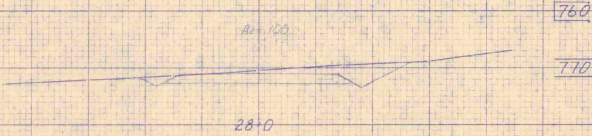
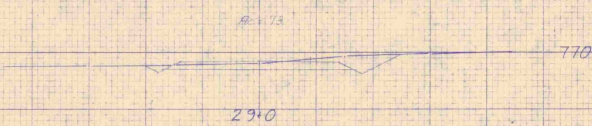
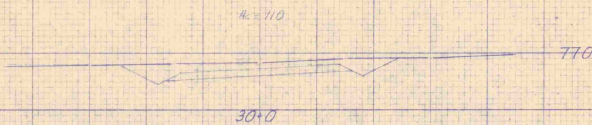
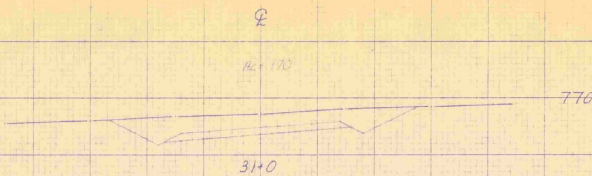
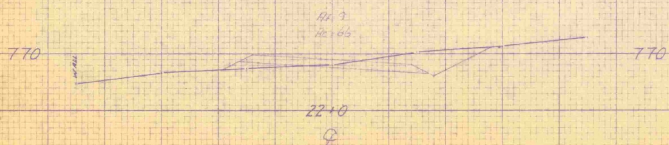
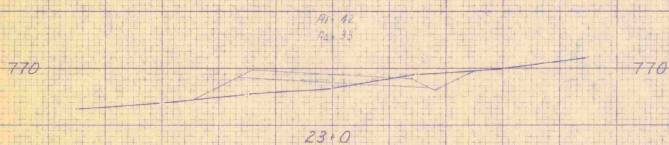
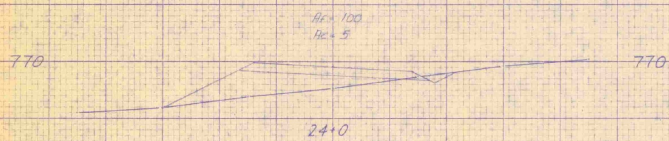
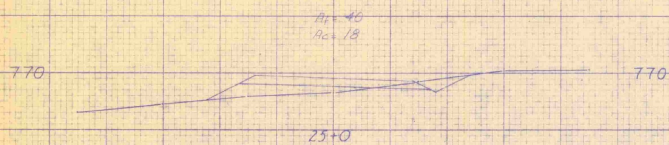
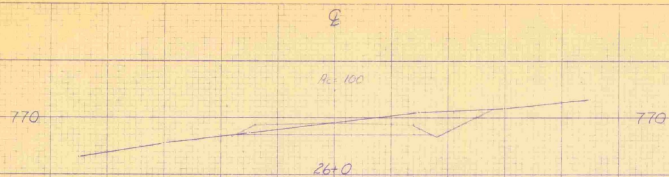
WHIPSTOCK ROAD BENNINGTON, VERMONT TYPICAL SECTIONS AND DETAILS scale: as noted - date: 2/1/1968 by CADIZ CONSULTANTS, Inc. BENNINGTON, VERMONT	
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BENNINGTON AIRPORT
 BENNINGTON, VERMONT
 RELOCATION PROFILE
 SCALE 1"=50' HORIZ. 1"=10' VERT.
 CADIZ CONSULTANTS, INC.
 BENNINGTON, VERMONT



780
BENNINGTON AIRPORT
BENNINGTON, VERMONT
PROJECTION: S.D. 7-28.85-2141
SCALE: 1" = 10' HORIZ. & VERT.
BY
CADIZ CONSULTANTS, INC.
BENNINGTON, VERMONT



BENNINGTON AIRPORT
BENNINGTON, VERMONT
RELOCATION - STA 26+0-33+0
SCALE 1" = 10' HORIZ. VERT.
BY
CADIZ CONSULTANTS, INC.
BENNINGTON, VERMONT