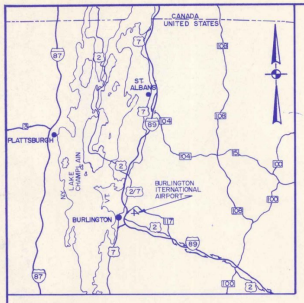
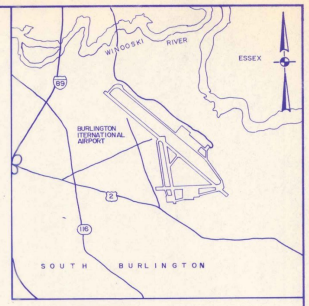



VICINITY MAP

MILE 11 0 11 22 MILES

SCALE: 1" = 11 MILES (APPROX.)

# CITY OF BURLINGTON
# VERMONT




LOCATION MAP

FEET 2000 0 2000 4000 FEET

SCALE: 1" = 2000'

# BURLINGTON INTERNATIONAL AIRPORT

# RECONSTRUCT TERMINAL APRON PHASE II

## (APPROX. 15,500 SY)

## AIP PROJECT NO. 3 - 50 - 0005 - 11

## AIR 03 - 2066

MARCH 1988

### MAJOR ITEM QUANTITIES

| ITEM | DESCRIPTION | QUANTITY |
|---|---|---|
| 8-1 | Portland Cement Concrete | 14,7425 SY |

### INDEX TO DRAWINGS


| DRAWING NO. | TITLE | SHEET NO. |
|---|---|---|
| 1 | Cover Sheet | 1 of 20 |
| 2 | General Plan | 2 of 20 |
| 3 | Construction Phasing Plan | 3 of 20 |
| 4 | Typical Sections | 4 of 20 |
| 5 | Grading Plan | 5 of 20 |
| 6 | Electrical and Drainage Plan | 6 of 20 |
| 7 | Jointing Plan | 7 of 20 |
| 8 | Trench Drain Profile and Detail | 8 of 20 |
| 9 | Pavement and Drainage Details | 9 of 20 |
| 10 | Electrical Details | 10 of 20 |
| 11 | Cross Sections STA 15+00 to STA 16+00 | 11 of 20 |
| 12 | Cross Sections STA 16+50 to STA 17+50 | 12 of 20 |
| 13 | Cross Sections STA 18+00 to STA 19+00 | 13 of 20 |
| 14 | Cross Sections STA 19+50 to STA 20+50 | 14 of 20 |
| 15 | Cross Sections STA 21+00 to STA 22+00 | 15 of 20 |
| 16 | Miscellaneous Profiles | 16 of 20 |
| 17 | Pavement Marking Plan | 17 of 20 |
| 18 | Miscellaneous Details | 18 of 20 |
| 19 | Boring Logs | 19 of 20 |
| 20 | Boring Logs | 20 of 20 |


Karen Finn

RECEIVED AUG 26 1989 Planning Division

"AS BUILT"

I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED Richard S. Fye

DATE 5/8/89

CITY OF BURLINGTON, VERMONT

APPROVED _____ DIRECTOR OF AVIATION

DATE _____

APPROVED _____

DATE _____

VERMONT AGENCY OF TRANSPORTATION

APPROVED _____ SECRETARY OF TRANSPORTATION

DATE _____

APPROVED _____ DIRECTOR OF ENGINEERING & CONSTRUCTION

DATE _____

NOT REQUIRED

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
NEW ENGLAND REGION

APPROVED _____ CHIEF OF AIRPORT ENGINEERING & SAFETY SECTION

DATE _____

APPROVAL SUBJECT TO COMMENTS AND RECOMMENDATIONS IN LETTERS

DATED _____

DESIGNERS STATEMENT REGARDING COMPLIANCE

These plans and specifications have been prepared to the best of our knowledge and belief, in accordance with current FAA Advisory Circulars as listed in AC 00-2C2, Change 1, Advisory Circular Checklist, Dated 10/1/86. Known deviations from the FAA standards were approved by FAA letters dated _____ and are listed in detail in the project engineering report and/or other official project documents.

HOYLE, TANNER & ASSOCIATES, INC.

BY: _____ DATE: _____

Registration No. _____

| REV. | DESCRIPTION | DR. BY | CKD. BY | APPD. BY | DATE |
|---|---|---|---|---|---|
| | REVISED "AS-BUILT" | MV | GL | EL | 3/89 |

HTA Hoyle, Tanner & Associates, Inc. engineers/architects/planners

Five Commerce Park North • Bedford, NH 03102 (603)669-5555

CITY OF BURLINGTON, VERMONT
BURLINGTON INTERNATIONAL AIRPORT

TITLE
LOCATION AND VICINITY MAPS
INDEX TO DRAWINGS
MAJOR ITEM QUANTITIES

| SCALE: AS SHOWN | PROJECT NO. 37716 | DRAWING NO. 1 |
|---|---|---|
| DATE: MARCH 1988 | | |
| DES. BY: J.E.M. / DR. BY: H.W.W. / CHKD. BY: J.B.D. | SHEET 1 OF 20 | |

AIP PROJECT NO. 3-50-0005-11

DO NOT SCALE DRAWING

BURLINGTON 1989 RECONSTRUCT APRON TERMINAL AIP 3-50-0005-11 AIR 03-2066

GENERAL NOTES

1. The Contractor's attention is called to Section 1 of the Technical Specifications - "Summary of Work and Special Work Requirements".

2. Areas for parking and staging are severely limited at Burlington International Airport. No employee parking will be allowed on the airport. The Contractor shall provide an adequate and safe parking area for his employees and provide transportation to and from the parking area to the work area.

3. The limits of fill in the disposal sites shall be determined in the field by the Engineer.

4. The near edge of pavement of the haul route inside the airport property line shall be located 88 ft. from T/W "G" centerline. The haul route shall be 24 ft. wide.

5. The Contractor shall be responsible for placing 3 foot grade stakes along the haul route inside the airport property line. The stakes shall be painted orange and spaced approximately 200' apart. The area between the stakes shall be permanently marked on the ground with a readily recognizable marking such as a football field chalk or similar material.

DISPOSAL SITE

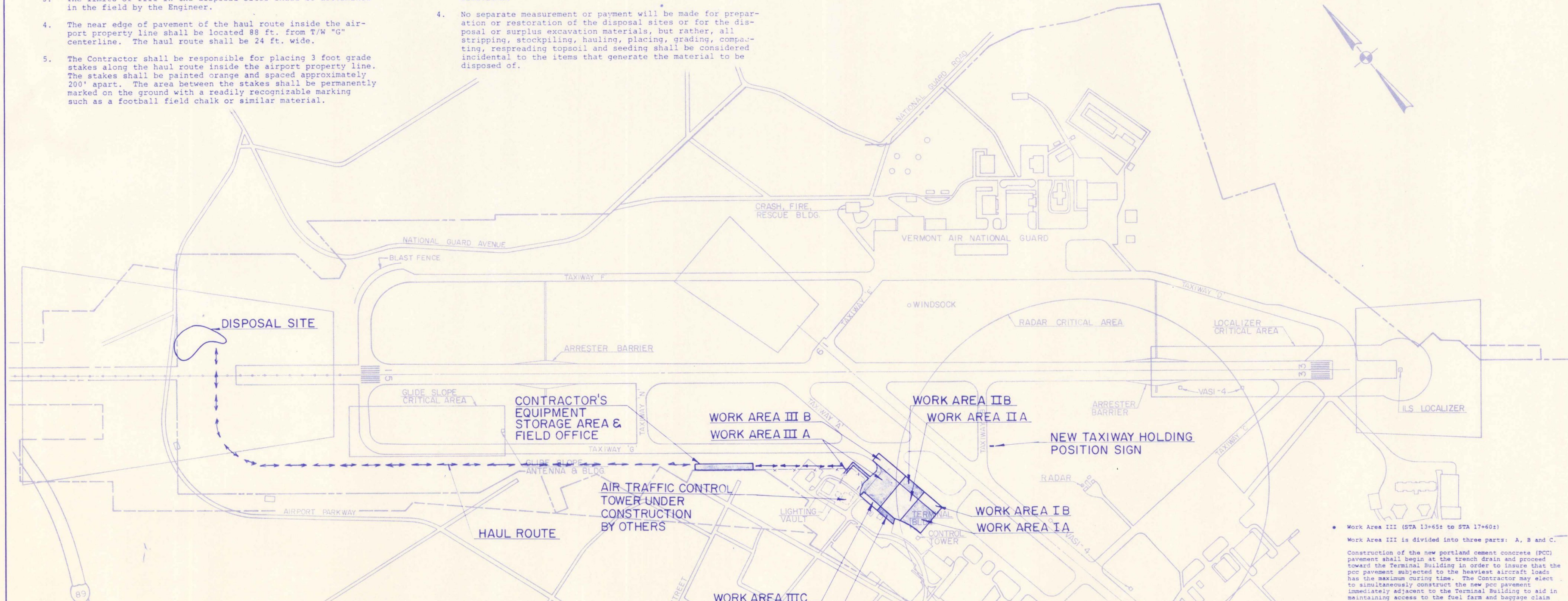
1. The Contractor shall strip the topsoil from the disposal site and stockpile it for use in restoration of the site.

2. The Contractor shall place and compact surplus excavation material in accordance with Section 3 of the Technical Specifications.

3. Upon completion of the disposal operations, the Contractor shall respread the topsoil and seed and mulch the disposal site in accordance with Section 15 of the Technical Specifications.

4. No separate measurement or payment will be made for preparation or restoration of the disposal sites or for the disposal or surplus excavation materials, but rather, all stripping, stockpiling, hauling, placing, grading, compacting, respreading topsoil and seeding shall be considered incidental to the items that generate the material to be disposed of.

NOTE:
ACTUAL LIMITS OF WORK AREAS VARIED FROM THOSE SHOWN ON DRAWINGS.




- Work Area I (Sta. 19+10± to Sta. 21+60±)

Work Area I is divided into two parts: A and B.

The Contractor shall begin work in Work Area IA upon receipt of the Notice-to-Proceed.

Construction of the new portland cement concrete (PCC) pavement shall begin at the trench drain and proceed toward the Terminal Building in order to insure that the pcc Pavement subjected to the heaviest aircraft loads has the maximum curing time. The Contractor may elect to simultaneously construct the new pcc pavement immediately adjacent to the Terminal Building to aid in maintaining access to the gates and baggage makeup areas.

The Contractor shall maintain access to all gates, baggage makeup areas, baggage claim areas and the fuel farm at all times in accordance with paragraph 1.16 of these specifications.

Immediately upon completion of the trench drain in Work Area IA, the Contractor shall begin work in Work Area IB.

The work includes: milling of existing bituminous concrete pavement; bituminous concrete overlay of existing pavement; construction of new bituminous concrete pavement; sawing and sealing of control joints; and pavement marking from the east edge of the trench drain to the limits shown on the construction drawings. The contractor shall complete all work in Work Area IB as soon as possible after the completion of the trench drain in Work Area IA.

The contractor shall place lighted barricades around the work area to prevent aircraft from entering the work area. The location of lighted barricades around Work Area IIA is shown on the Contract Drawings. The location of the lighted barricades around Work Area IIB will vary based upon the work the Contractor is performing. The location of the barricades will be determined by the Engineer and the Airport Operations Coordinator based upon the schedule submitted by the Contractor.

All work in Work Areas IA and IB shall be completed within 60 calendar day of the Notice-to-Proceed. The work will not be considered complete until all pavements are properly cured and have attained the required minimum strength, all joints are sealed, and Work Area I is open to aircraft.

The Contractor shall complete all work in Work Area I before beginning work in Work Area II. Upon completion of Work Area I the Contractor will be issued a Notice-to-Proceed for Work Area II.

- Work Area II (STA 17+10± to STA 19+60±)

Work Area II is divided into three parts: A, B and C.

Construction of the new portland cement concrete (PCC) pavement shall begin at the trench drain and proceed toward the Terminal Building in order to insure that the pcc pavement subjected to the heaviest aircraft loads has the maximum curing time. The Contractor may elect to simultaneously construct the new pcc pavement immediately adjacent to the Terminal Building to aid in maintaining access to the gates and baggage claim areas.

The Contractor shall maintain access to all gates, baggage makeup areas, baggage claim areas and the fuel farm at all times in accordance with paragraph 1.16 of these specifications.

Immediately upon completion of the trench drain in Work Area IIA, the Contractor shall begin work in Work Area IIB.

The work includes: milling of existing bituminous concrete pavement; bituminous concrete overlay of existing pavement; construction of new bituminous concrete pavement; sawing and sealing of control joints; and pavement marking from the east edge of the trench drain to the limits shown on the construction drawings. The contractor shall complete all work in Work Area IIB as soon as possible after the completion of the trench drain in Work Area IIA.

The Contractor may relocate the fire hydrant and install the security fence with plastic inserts in Work Area IIC simultaneously with work in Work Area IIA provided access to the gates and baggage claim area is maintained. Upon completion of the new pcc pavement at the western limit of Work Area IIA, the Contractor shall begin work in Work Area IIC.

The work includes: milling of existing bituminous concrete pavement; bituminous concrete overlay of existing pavement; construction of new bituminous concrete pavement; and sawing and sealing of control joints; and slurry sealing pavement from the west edge of the pcc pavement to the limits shown on the construction drawings. The contractor shall complete all work in Work Area IIC as soon as possible after the completion of the pcc pavement in Work Area IIA.

The contractor shall place lighted barricades around the work area to prevent aircraft from entering the work area. The location of lighted barricades around Work Area IIA is shown on the Contract Drawings. The location of the lighted barricades around Work Areas IIB and IIC will vary based upon the work the Contractor is performing. The location of the barricades will be determined by the Engineer and the Airport Operations Coordinator based upon the schedule submitted by the Contractor.

All work in Work Areas IIA, IIB, and IIC shall be completed within 60 calendar day of the Notice-to-Proceed. The work will not be considered complete until all pavements are properly cured and have attained the required minimum strength, all joints are sealed, and Work Area II is open to aircraft. Slurry sealing of the bituminous concrete in Work Area IIC may be accomplished in conjunction with the slurry sealing in Work Area IIIC.

The Contractor shall complete all work in Work Area II before beginning work in Work Area III. Upon completion of Work Area II the Contractor will be issued a Notice-to-Proceed for Work Area III.

- Work Area III (STA 13+65± to STA 17+60±)

Work Area III is divided into three parts: A, B and C.

Construction of the new portland cement concrete (PCC) pavement shall begin at the trench drain and proceed toward the Terminal Building in order to insure that the pcc pavement subjected to the heaviest aircraft loads has the maximum curing time. The Contractor may elect to simultaneously construct the new pcc pavement immediately adjacent to the Terminal Building to aid in maintaining access to the fuel farm and baggage claim areas.

The Contractor shall maintain access to all gates, baggage makeup areas, baggage claim areas and the fuel farm at all times in accordance with paragraph 1.16 of these specifications.

Immediately upon completion of the trench drain in Work Area IIIA, the Contractor shall begin work in Work Area IIIB.

The work includes: milling of existing bituminous concrete pavement; bituminous concrete overlay of existing pavement; construction of new bituminous concrete pavement; sawing and sealing of control joints; and pavement marking from the east edge of the trench drain to the limits shown on the construction drawings. The contractor shall complete all work in Work Area IIIB as soon as possible after the completion of the trench drain in Work Area IIIA.

Upon completion of the new pcc pavement at the western limit of Work Area IIIA, the Contractor shall begin work in Work Area IIIC.

The work includes: milling of existing bituminous concrete pavement; bituminous concrete overlay of existing pavement; construction of new bituminous concrete pavement; and sawing and sealing of control joints; and slurry sealing pavement from the west edge of the pcc pavement to the limits shown on the construction drawings. The contractor shall complete all work in Work Area IIIC as soon as possible after the completion of the pcc pavement in Work Area IIIA.

The contractor shall place lighted barricades around the work area to prevent aircraft from entering the work area. The location of lighted barricades around Work Area IIIA is shown on the Contract Drawings. The location of the lighted barricades around Work Areas IIIB and IIIC will vary based upon the work the Contractor is performing. The location of the barricades will be determined by the Engineer and the Airport Operations Coordinator based upon the schedule submitted by the Contractor.

All work in Work Areas IIIA, IIIB, and IIIC shall be completed within 60 calendar day of the Notice-to-Proceed. The work will not be considered complete until all pavements are properly cured and have attained the required minimum strength, all joints are sealed, and Work Area III is open to aircraft. Slurry sealing of the bituminous concrete in Work Area IIIC will be accomplished in conjunction with the slurry sealing in Work Area IIC in order to maintain access to the fuel farm and baggage claim area.

All work in Work Area I, II, and III shall be completed within 180 calendar days of the initial Notice-to-Proceed.

I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED Richard L. Fyer

DATE 5/8/89

"AS BUILT"

ENGINEER/ARCHITECT

| REV. | DESCRIPTION | DR. BY | CHKD. BY | APPD. BY | DATE |
|---|---|---|---|---|---|
| | REVISED 'AS-BUILT' | MV | BL | BL | 3/89 |

PROJECT NO. 37716

Hoyle, Tanner & Associates, Inc.
Five Commerce Park North • Bedford, NH 03102 (603)669-5555
HTA Companies engineers architects planners

| DES. BY | DR. BY | CHKD. BY |
|---|---|---|
| J.E.M. | H.W.W. | J.B.D. |

SCALE: 1" = 400'
DATE: MARCH 1988

DO NOT SCALE DRAWING

BURLINGTON INTERNATIONAL AIRPORT
SOUTH BURLINGTON, VERMONT
RECONSTRUCT TERMINAL APRON-PHASE II

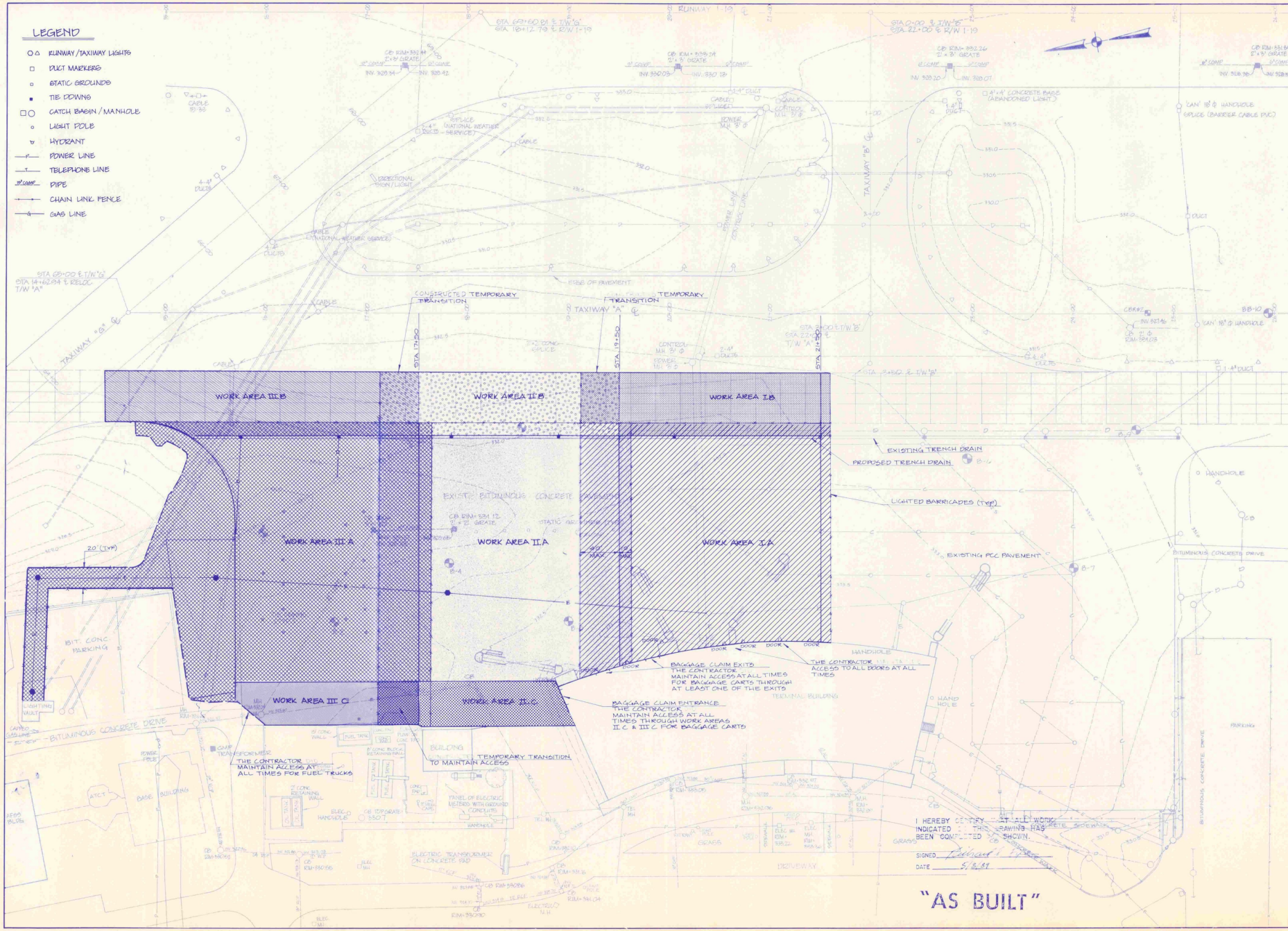
GENERAL PLAN

DRAWING NO. 2



AIP PROJECT NO. 3-50-0005-11

REPROTECH




ENGINEER/ARCHITECT

| REV. | DESCRIPTION | DR. BY | PROJ. APPD. BY | BY | DATE |
|---|---|---|---|---|---|
| | REVISED AS-BUILT | | | | |

PROJECT NO. 3771G

Hoyle, Tanner & Associates, Inc.
engineers architects planners
Five Commerce Park North • Bedford, NH 03102 • (603) 669-5555
Companies

SCALE: 1" = 40' | DATE: MARCH 1988 | DES. BY J.E.M. | DR. BY H.W.W. | CHKD. BY J.B.D.

DO NOT SCALE DRAWING

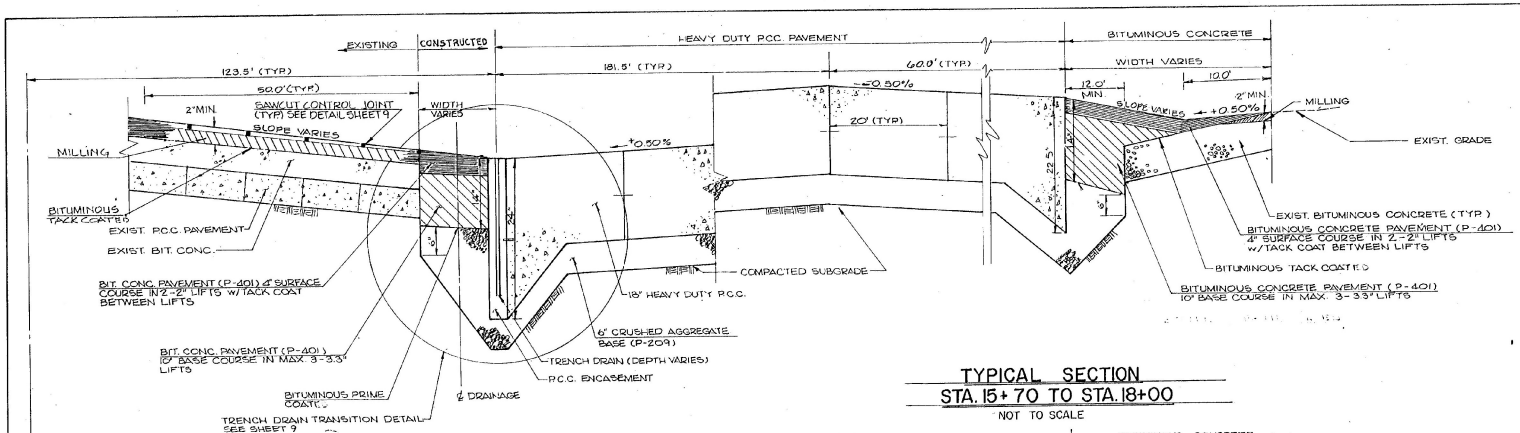
BURLINGTON INTERNATIONAL AIRPORT
SOUTH BURLINGTON, VERMONT
RECONSTRUCT TERMINAL APRON - PHASE II

# CONSTRUCTION PHASING PLAN

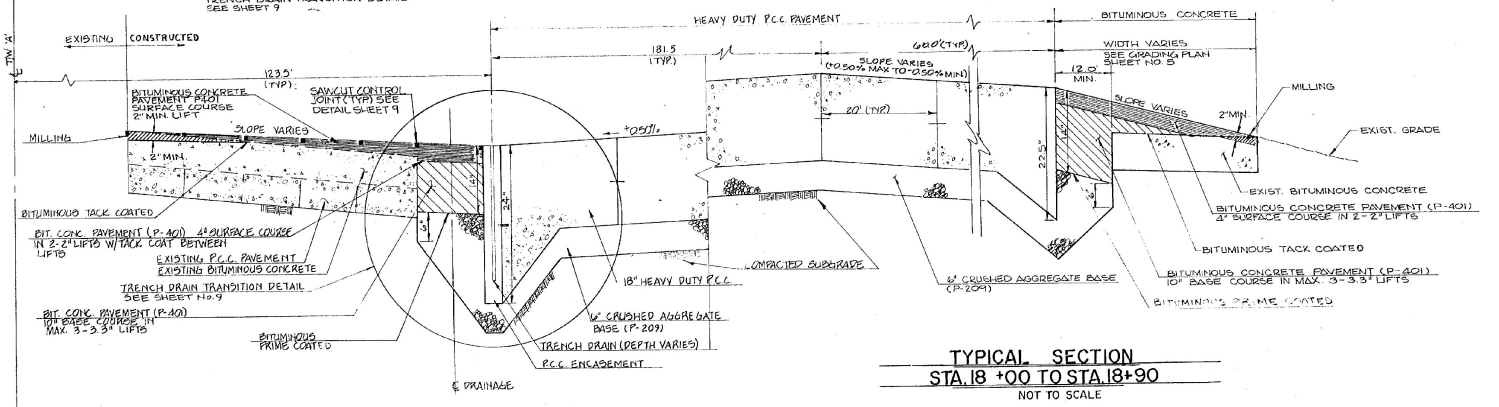
DRAWING NO. 3

SHEET 3 OF 20

AIP PROJECT NO. 3-50-0005-11




## TYPICAL SECTION
## STA. 15+70 TO STA. 18+00
NOT TO SCALE



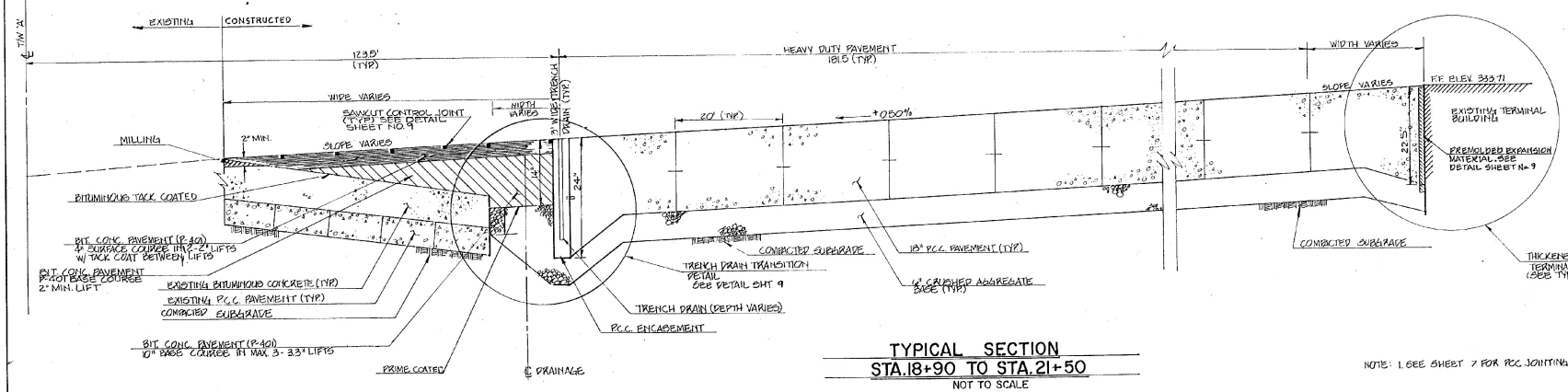

## TYPICAL SECTION
## STA. 18+00 TO STA. 18+90
NOT TO SCALE

I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED Richard L. Fiske

DATE 5/2/89

"AS BUILT"




## TYPICAL SECTION
## STA. 18+90 TO STA. 21+50
NOT TO SCALE

NOTE: 1. SEE SHEET 7 FOR PCC JOINTING PLAN.

ENGINEER/ARCHITECT

| REV. | DESCRIPTION | DR. BY | CHKD. BY | APPD. BY | DATE |
|---|---|---|---|---|---|
| | REVISED "AS-BUILT" | W. BL | D. L. | S.B.P. | |

PROJECT NO. 3771.6

Hoyle, Tanner & Associates, Inc. HTA engineers architects planners Companies
Five Commerce Park North, Bedford, NH 03102 (603) 669-5555

| SCALE AS SHOWN | DATE MARCH 1988 | DES. BY M.V. | DR. BY B.C.W. | CHKD. BY J.B.D. |
|---|---|---|---|---|

DO NOT SCALE DRAWING

BURLINGTON INTERNATIONAL AIRPORT
SOUTH BURLINGTON, VERMONT

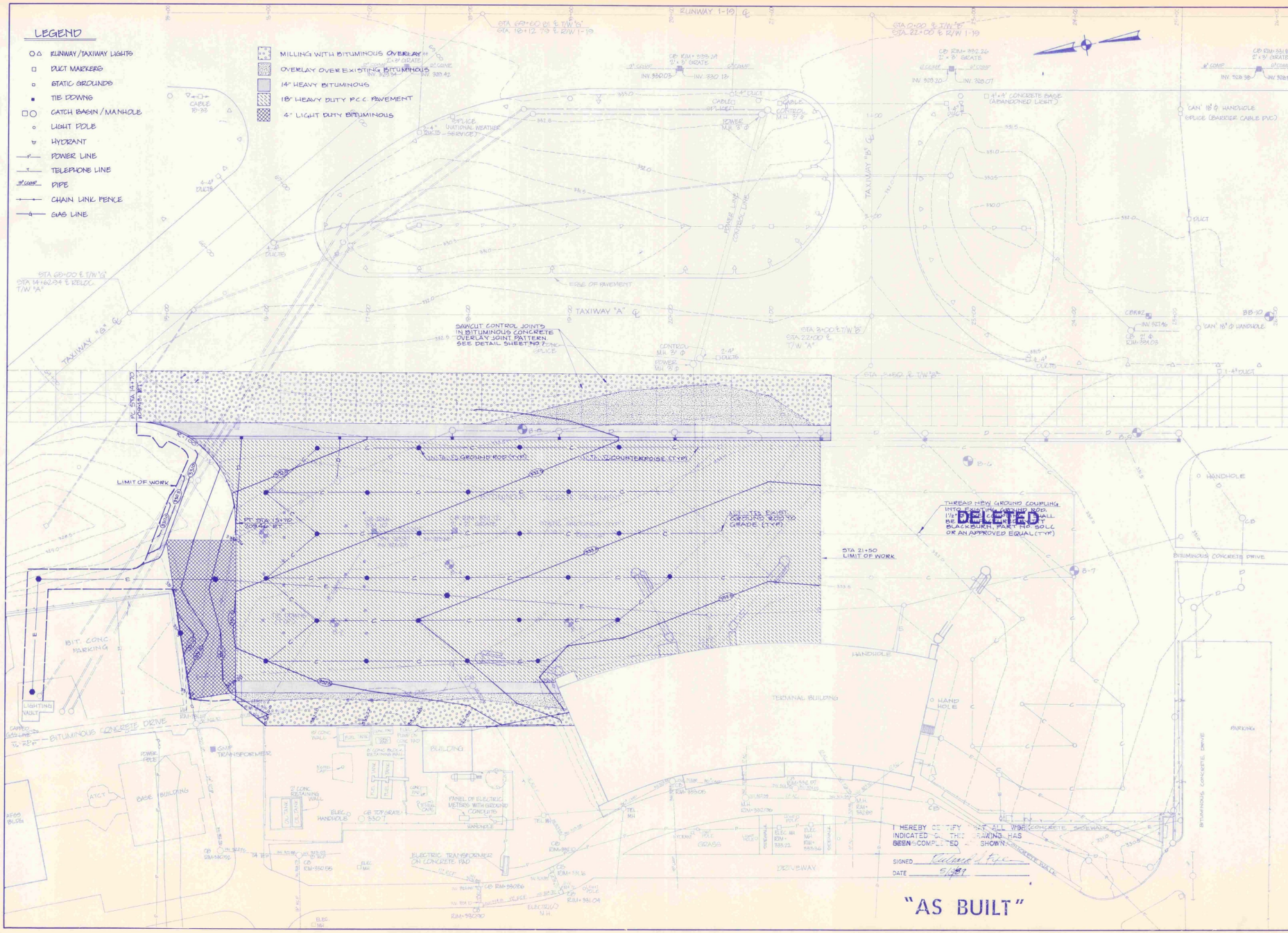
RECONSTRUCT TERMINAL APRON-PHASE II

# TYPICAL SECTIONS

DRAWING NO. 4

SHEET 4 OF 20

AIP PROJECT NO. 3-50-0005-11




ENGINEER/ARCHITECT

| REV | DESCRIPTION | DR. BY | CHKD. BY | APPD. BY | DATE |
|---|---|---|---|---|---|
| | REVISED AS-BUILT | MJV | BL | BL | 2/89 |

PROJECT NO. 377/6

Hoyle, Tanner & Associates, Inc.
engineers architects planners
Five Commerce Park North • Bedford, NH 03102 • (603) 669-5555
Companies

SCALE 1" = 40' | DATE: MARCH 1988 | DES. BY J.E.M. | DR. BY H.W.W. | CHKD. BY J.B.D.

DO NOT SCALE DRAWING

BURLINGTON INTERNATIONAL AIRPORT
SOUTH BURLINGTON, VERMONT

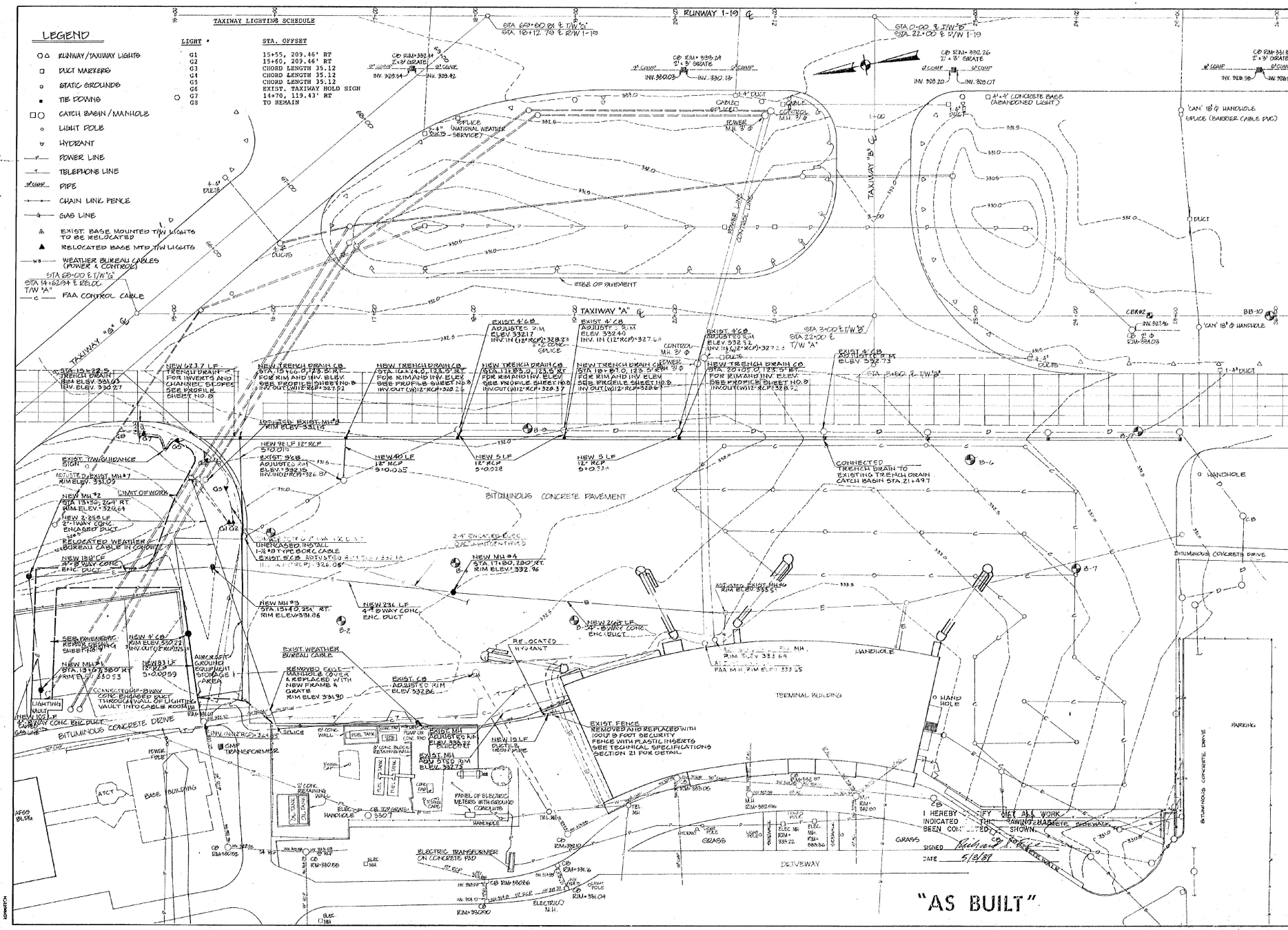
RECONSTRUCT TERMINAL APRON - PHASE II

GRADING PLAN

DRAWING NO. 5

SHEET 5 OF 20

AIP PROJECT NO. 3-50-0005-11




ENGINEER/ARCHITECT

| REV | DESCRIPTION | DR. BY | CHKD. BY | DATE |
|---|---|---|---|---|
| | REVISED "AS-BUILT" | N.V. | D.L. | 3-6-89 |

PROJECT NO. 3771G

Hoyle, Tanner & Associates, Inc.
HTA engineers architects planners Companies
Five Commerce Park North • Bedford, NH 03102 • (603) 669-5555

SCALE: 1" = 40' | DATE: MARCH 1988 | DES. BY J.E.M. | DR. BY H.W.W. | CHKD. BY J.E.D.

DO NOT SCALE DRAWING

BURLINGTON INTERNATIONAL AIRPORT
SOUTH BURLINGTON, VERMONT
RECONSTRUCT TERMINAL APRON-PHASE II

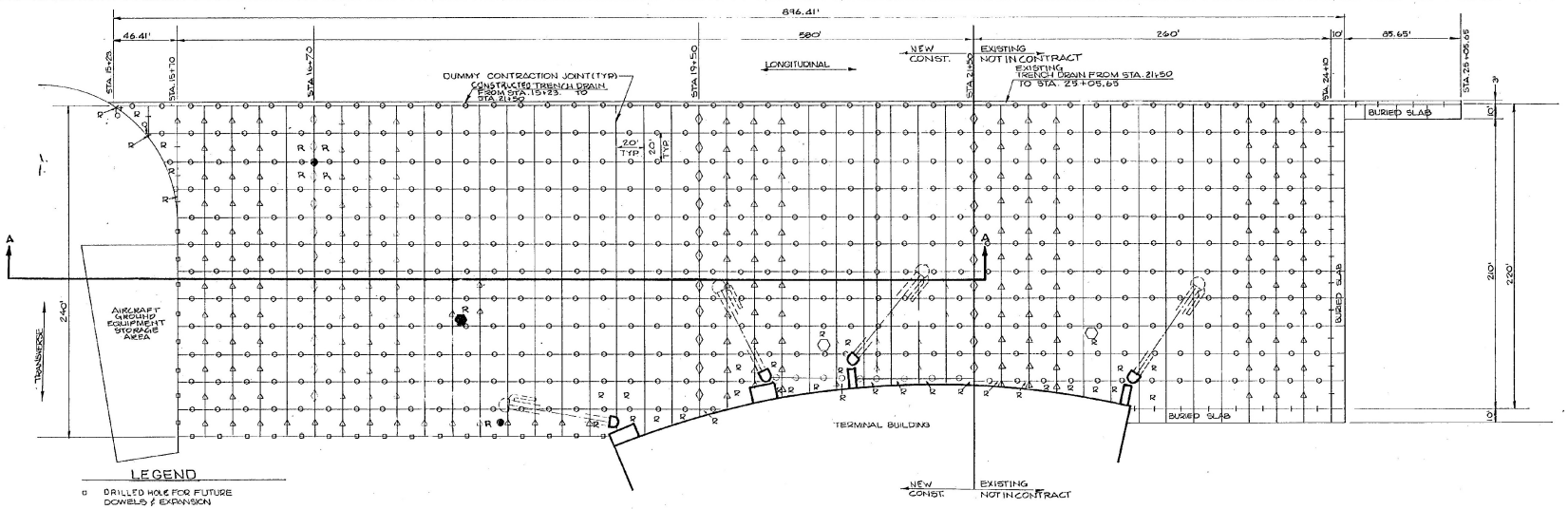
# DRAINAGE AND ELECTRICAL PLAN

I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN CONSTRUCTED AS SHOWN.
SIGNED Richard [illegible]
DATE 5/8/89

DRAWING NO. 6

SHEET 6 OF 20

AIP PROJECT NO. 3-50-0005-11

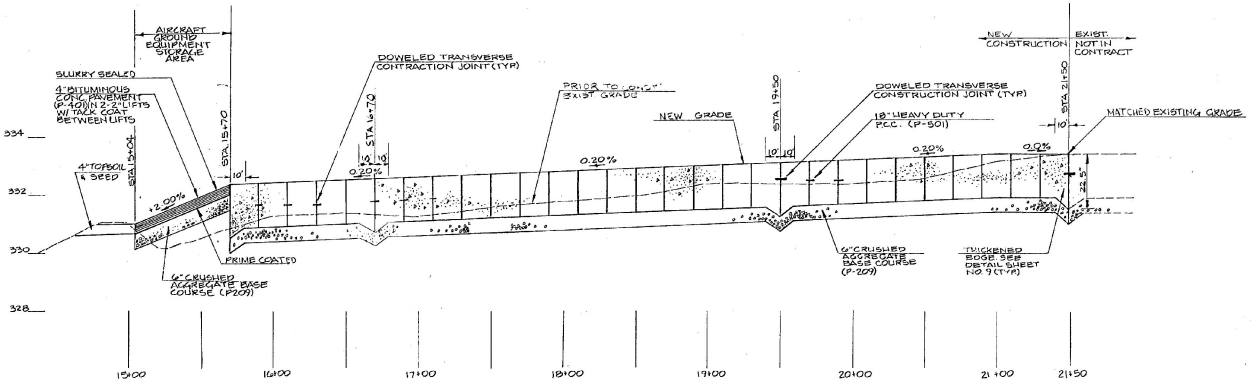



## LEGEND

- □ DRILLED HOLE FOR FUTURE DOWELS & EXPANSION
- △ DOWELED TRANSVERSE CONTRACTION JOINT 1½" ϕ SMOOTH BAR 1'-8" LONG SPACED 1'-6" %
- ○ DOWELED LONGITUDINAL CONSTRUCTION JOINT 1½" ϕ SMOOTH BAR 1'-8' LONG SPACED 1'-6' %
- R SLABS REQUIRING REINFORCING - REINFORCING ARE 12×12 - 04×04 WWM, w/ 3" ¼" COVER, TYP.
- – 1½" DEFORMED BAR 1'-8' LONG SPACED 1'-6' %
- ◊ DOWELED TRANSVERSE CONSTRUCTION JOINT 1½" ϕ SMOOTH BAR 1'-8' LONG SPACED 1'-6" %

## JOINTING PLAN

SCALE: 1" = 40'




## SECTION A-A

SCALE: 1" = 40' HORIS.
1" = 2' VERT.

I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED Richard J. Fye

DATE 5/13/91

"AS BUILT"

ENGINEER/ARCHITECT

| REV | DESCRIPTION | DR. BY | CHKD. BY | DATE |
|---|---|---|---|---|
| | REVISED "AS-BUILT" | MV | BL | BL 3/6/89 |

PROJECT NO. 37716

Hayle, Tanner & Associates, Inc.
Five Commerce Park North · Bedford, NH 03102 · (603) 669-5555
Engineers · Architects · Planners · Surveyors
HTA Companies

SCALE AS SHOWN | DATE: MARCH 1988 | DES. BY J.E.M. | DR. BY HAW. | CHKD. BY J.E.D.

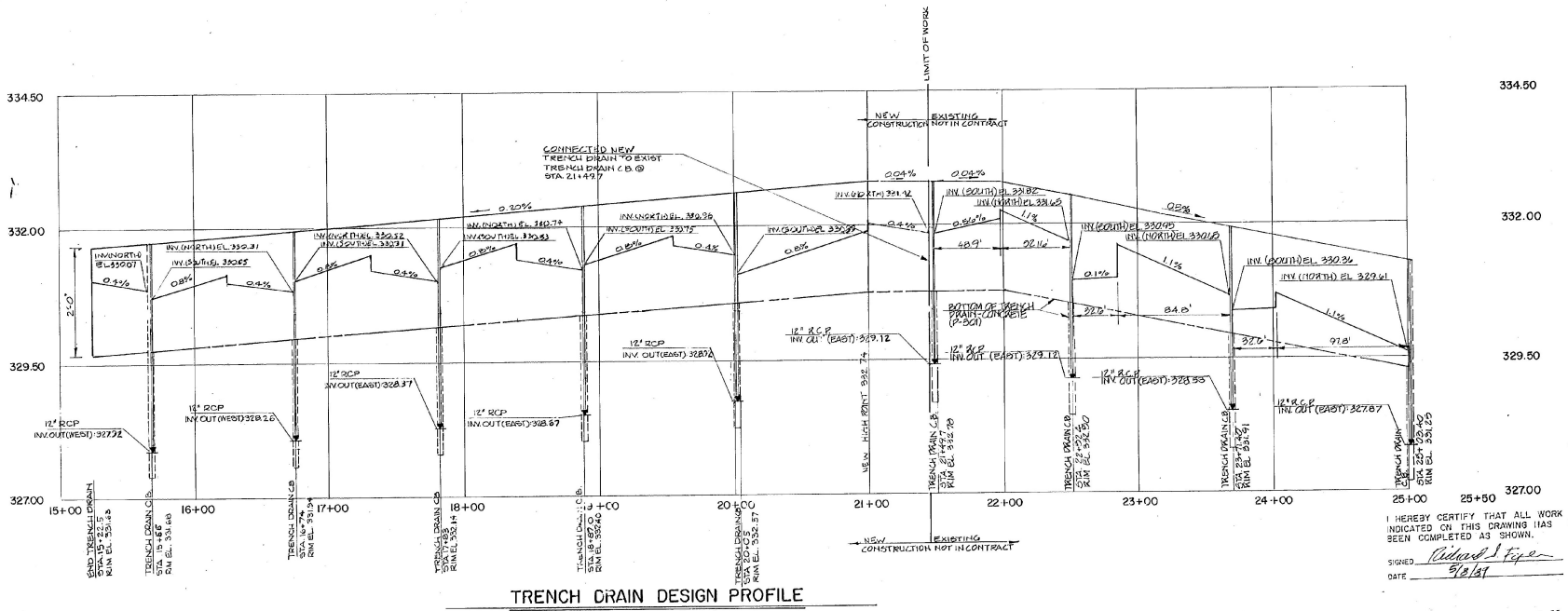
DO NOT SCALE DRAWING

BURLINGTON INTERNATIONAL AIRPORT
SOUTH BURLINGTON, VERMONT
RECONSTRUCT TERMINAL APRON-PHASE II
JOINTING PLAN

DRAWING NO. 7

SHEET 7 OF 20

AIP PROJECT NO. 3-50-0005-11




## TRENCH DRAIN DESIGN PROFILE

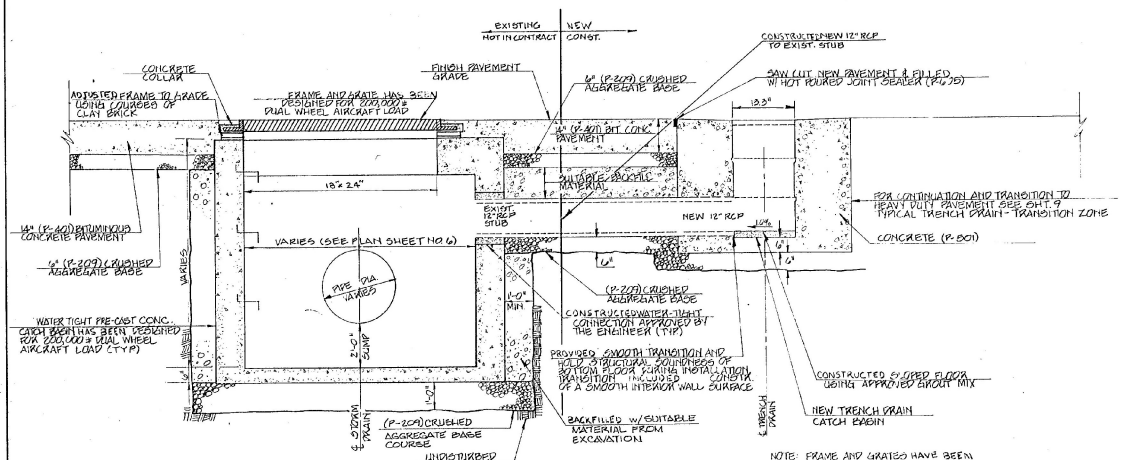
SCALE: HORIZ. 1" = 40'
VERT. 1" = 1'

I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED Richard J. Fiske

DATE 5/2/87

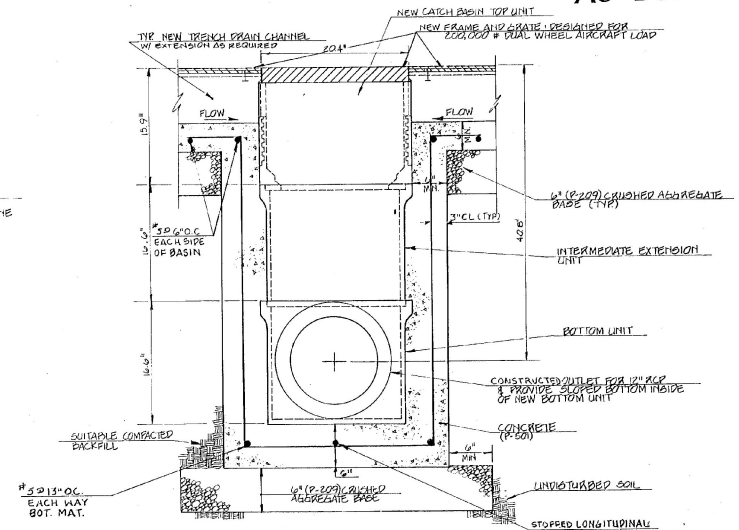
"AS BUILT"




NOTE: THE CONTRACTOR SUBMITTED MANUFACTURER'S SHOP DRAWINGS INCLUDING REINFORCING DETAILS AND CERTIFICATIONS OF LOADING CAPACITY, TO ENGINEER FOR REVIEW.

## TRENCH DRAIN CATCH BASIN TIE-IN TO STORM WATER MAIN DRAINAGE SYSTEM

NOT TO SCALE




## TRENCH DRAIN CATCH BASIN

SIDE VIEW

NOT TO SCALE

| REV | DESCRIPTION | DR. BY | CHKD. BY | DATE |
|---|---|---|---|---|
| | REVISED AS-BUILT | N.V. | J.L.B. | 2/6/9 |

ENGINEER/ARCHITECT

PROJECT NO. 37716

Hoyle, Tanner & Associates, Inc.
engineers architects planners surveyors
Five Commerce Park North · Bedford NH 03102 · (603) 668-5555
Companies

| SCALE: AS SHOWN | DATE: MARCH 1988 | DES. BY M.V. | DR. BY C.B. | CHKD. BY J.B.L. |
|---|---|---|---|---|

DO NOT SCALE DRAWING

BURLINGTON INTERNATIONAL AIRPORT
SOUTH BURLINGTON, VERMONT

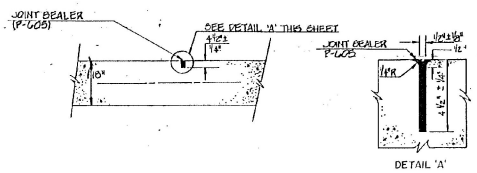
RECONSTRUCT TERMINAL APRON-PHASE II

# TRENCH DRAIN PROFILE AND DETAILS

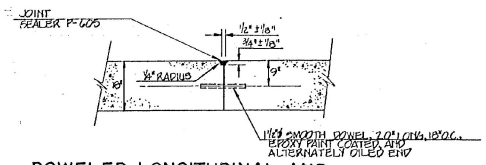
DRAWING NO. 8

SHEET 8 OF 20

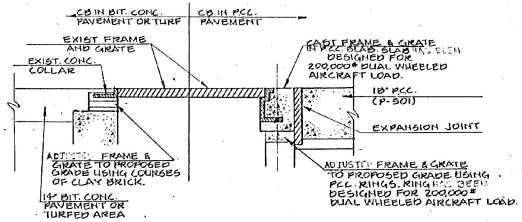
AIP PROJECT NO. 3-50-0005-11



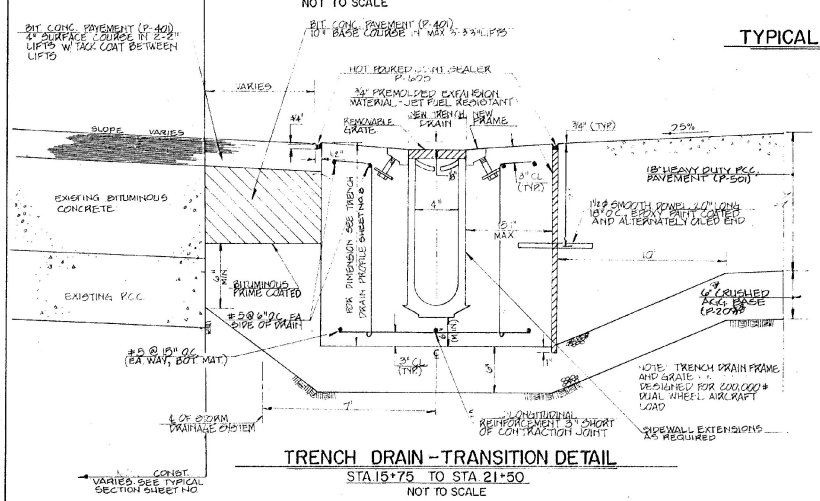

## TRANSVERSE CONTRACTION JOINT
NOT TO SCALE



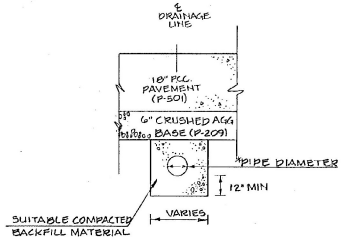

## DOWELED LONGITUDINAL AND TRANSVERSE CONSTRUCTION JOINT
NOT TO SCALE




## CATCH BASIN ADJUSTMENT
NOT TO SCALE

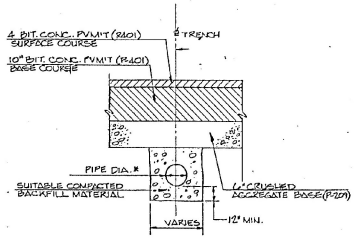



## TRENCH DRAIN - TRANSITION DETAIL
STA 15+75 TO STA 21+50
NOT TO SCALE




| * | PIPE DIAMETER | TRENCH WIDTH |
|---|---|---|
| | UP TO 12" | 36" |
| | UP TO 24" | I.D. PLUS 24" |
| | OVER 24" | 2 x I.D. OF PIPE |

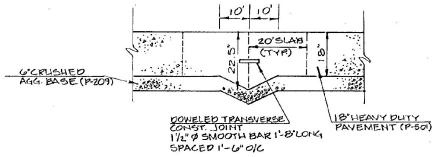
STA 15+71 TO STA 19+00



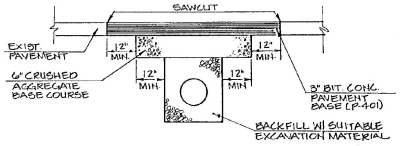

| * | PIPE DIAMETER | TRENCH WIDTH |
|---|---|---|
| | UP TO 12" | 36" |
| | UP TO 24" | I.D. PLUS 24" |
| | OVER 24" | 2 x I.D. OF PIPE |

STA. 19+00 TO STA. 21+50

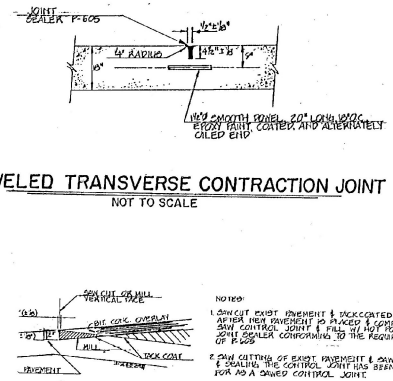
## TYPICAL DRAINAGE PIPE DETAILS FOR TERMINAL APRON
NOT TO SCALE




## THICKENED EDGE DETAIL
STA. 17+50 AND 19+50
NOT TO SCALE




## TYPICAL PAVEMENT REPAIR SECTION
NOT TO SCALE

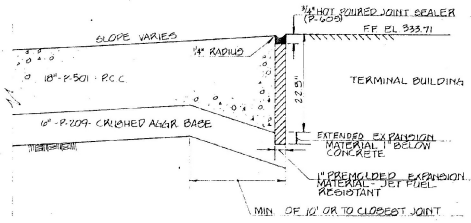



## DOWELED TRANSVERSE CONTRACTION JOINT
NOT TO SCALE

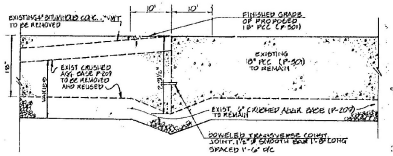



NOTES:
1. SAWCUT EXIST PAVEMENT & PACKCOATED EDGE AFTER NEW PAVEMENT IS PLACED & SEPARATE THE SAW CONTROL JOINT & FILL W/ HOT POURED JOINT SEALER CONFORMING TO THE REQUIREMENTS OF P-605
2. SAW CUTTING OF EXIST PAVEMENT & SAWING & SEALING THE CONTROL JOINT HAS BEEN PAID FOR AS A SAWED CONTROL JOINT

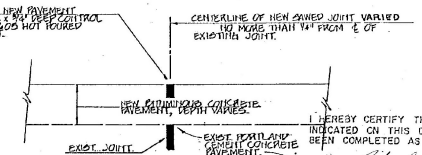
## TYPICAL BUTT JOINT-EDGE OF OVERLAY
NOT TO SCALE




## THICKENED EDGE DETAIL
## AT TERMINAL BUILDING
NOT TO SCALE




## THICKENED EDGE DETAIL
## AT STA. 21+50
NOT TO SCALE




## SAWED CONTROL JOINT
NOT TO SCALE

I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.
SIGNED Richard S. Fiske
DATE 5/8/91

"AS BUILT"

ENGINEER/ARCHITECT

| REV. | DESCRIPTION | DR. BY | CHKD. BY | DATE |
|---|---|---|---|---|
| | REVISED "AS BUILT" | MJ | JBL | 3/95 |

PROJECT NO 37716

Hoyle, Tanner & Associates, Inc. HTA engineers architects planners
Pine Commerce Park North, Bedford, NH 03102 (603) 669-3555 Companies

SCALE AS SHOWN | DATE MARCH 1988 | DES. BY KJF | DR. BY C.B.B. | CHKD. BY J.B.D.

DO NOT SCALE DRAWING

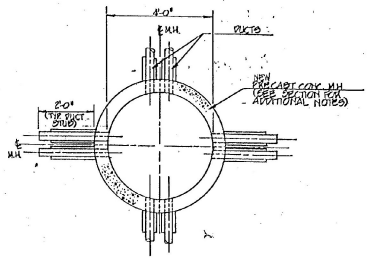
BURLINGTON INTERNATIONAL AIRPORT
SOUTH BURLINGTON, VERMONT
RECONSTRUCT TERMINAL APRON-PHASE II

# PAVEMENT & DRAINAGE DETAILS

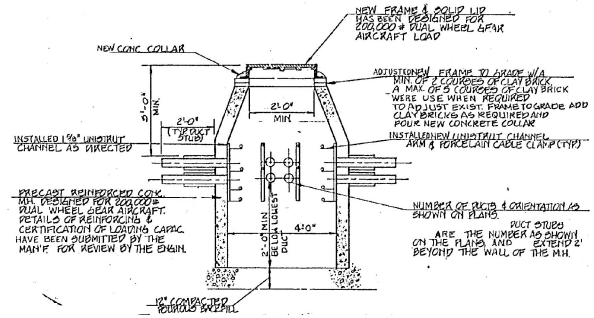
DRAWING NO. 9

SHEET 9 OF 20

AIP PROJECT NO. 3-50-0005-11



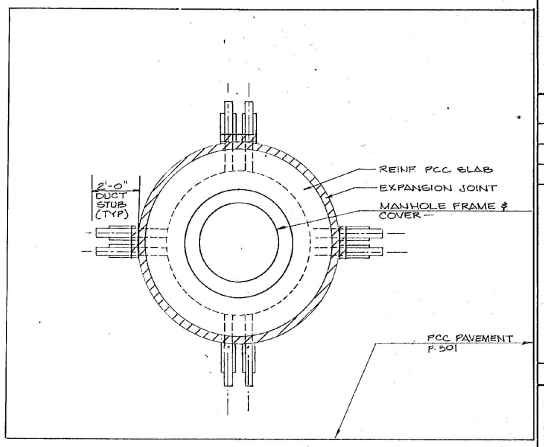

PLAN VIEW



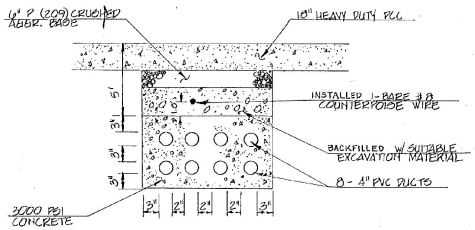

SECTION

## ELECTRICAL MANHOLE DETAIL #1,2,3,7,8

NOT TO SCALE

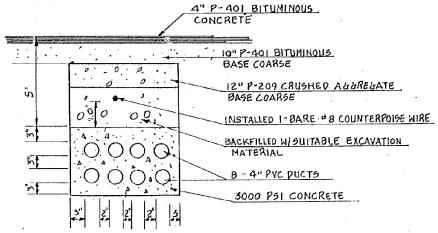


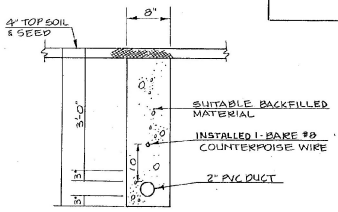

PLAN




## 4"- 8-WAY CONCRETE ENCASED DUCTS

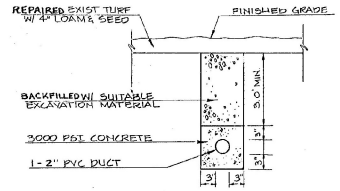
NOT TO SCALE



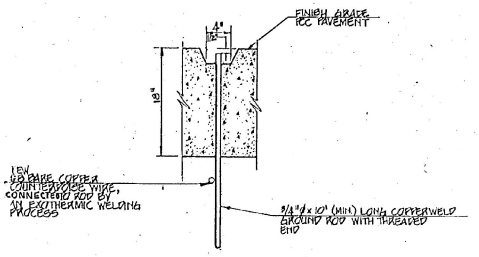

## 2"- 1-WAY UNENCASED DUCT

NOT TO SCALE



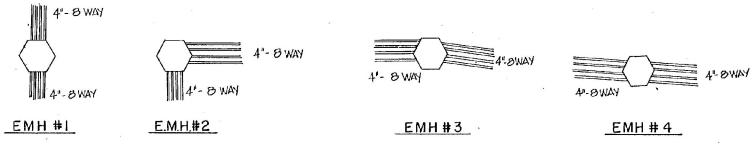

## 2"- 1-WAY CONCRETE ENCASED DUCT

NOT TO SCALE



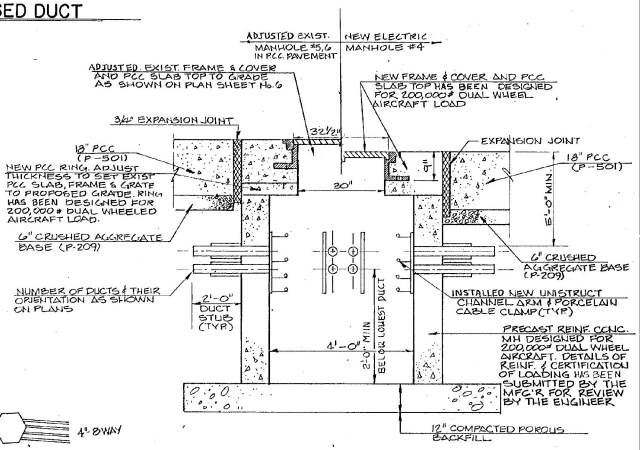

## GROUND RECEPTACLE

NOT TO SCALE




## ELECTRICAL MANHOLE DUCT LAYOUT

NOT TO SCALE




SECTION

## DETAIL - ELECTRICAL MANHOLES #4,5,6

NOT TO SCALE

I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED Richard J. Fox

DATE 5/6/91

"AS BUILT"

ENGINEER/ARCHITECT

| REV. | DESCRIPTION | DR. BY | CHKD. BY | DATE |
|---|---|---|---|---|
| | REVISED "AS-BUILT" | NV | BL | 5/6/9 |

PROJECT NO. 37716

Hoyle, Tanner & Associates, Inc. HTA Engineers Architects Planners Scientists

Five Commerce Park North · Bedford, NH 03102 · (603) 668-5555 Companies

SCALE: AS SHOWN | DATE: MARCH 1988 | DSG. BY K.J.F. | DR. BY T.E.D. | CHKD. BY J.B.D.

DO NOT SCALE DRAWING

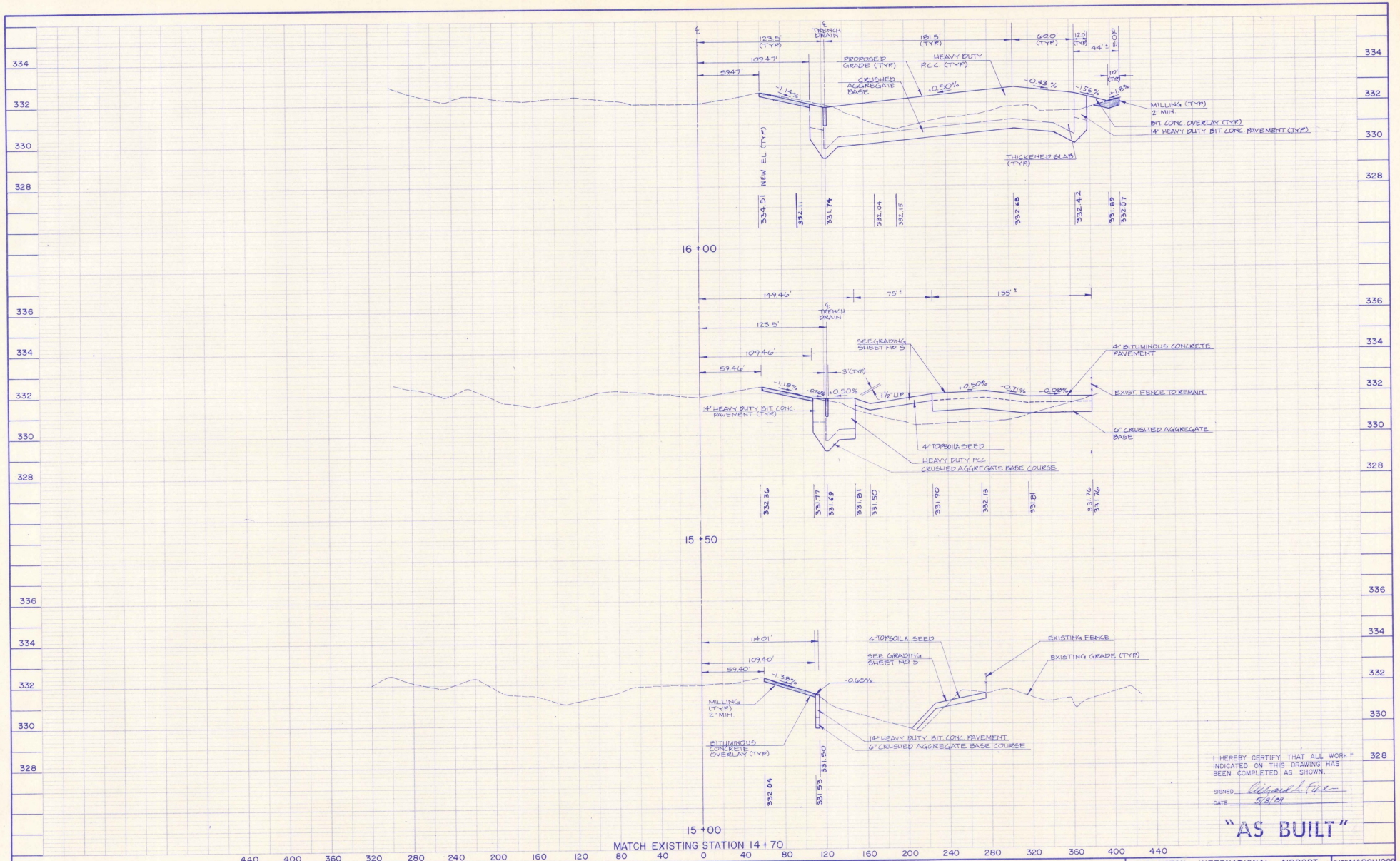
BURLINGTON INTERNATIONAL AIRPORT
SOUTH BURLINGTON, VERMONT
RECONSTRUCT TERMINAL APRON - PHASE II

# ELECTRICAL DETAILS

DRAWING NO. 10

SHEET 10 OF 20

AIP PROJECT NO. 3-50-0005-11




I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED Richard L. Fife

DATE 5/3/89

"AS BUILT"

SCALE: 1" = 40' HORIZ.
1" = 2' VERT.

| REV | DESCRIPTION | DR. BY | CHKD. BY | APPD. BY | DATE |
|---|---|---|---|---|---|
| | REVISED "AS-BUILT" | MV | BL | DL | 1/89 |

Hoyle, Tanner & Associates, Inc.
Five Commerce Park North • Bedford, NH 03102 (603) 669-5555
HTA engineers architects planners Companies

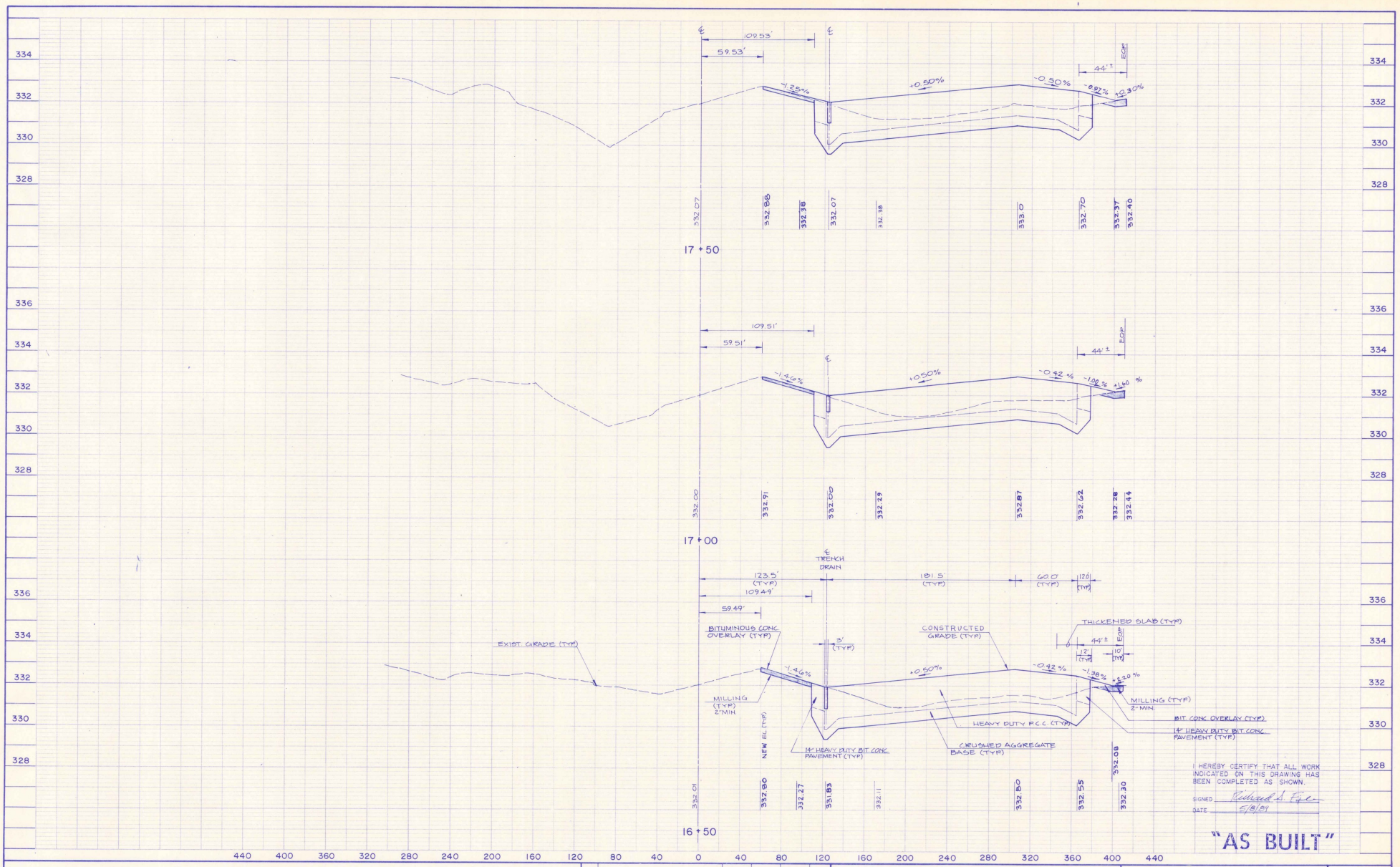
BURLINGTON INTERNATIONAL AIRPORT
RECONSTRUCT TERMINAL APRON – PHASE II

# CROSS SECTIONS
STA. 15+00 TO STA. 16+00

DATE MARCH 1988
DRAWING NO. 11
SHEET NO. 11 of 20

AIP PROJECT NO. 3-50-0005-11

PROPERTY OF HOYLE, TANNER & ASSOCIATES, INC.




I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED Richard S. Eyler

DATE 5/8/89

"AS BUILT"

SCALE: 1" = 40' HORIZ.
1" = 2' VERT.

| REV | DESCRIPTION | DR. BY | CHKD. BY | APPD. BY | DATE |
|---|---|---|---|---|---|
| | REVISED AS-BUILT | MV | GL | GL | 3/89 |

Hoyle, Tanner & Associates, Inc.
Five Commerce Park North • Bedford, NH 03102 (603) 669-5555
HTA engineers architects planners
Companies

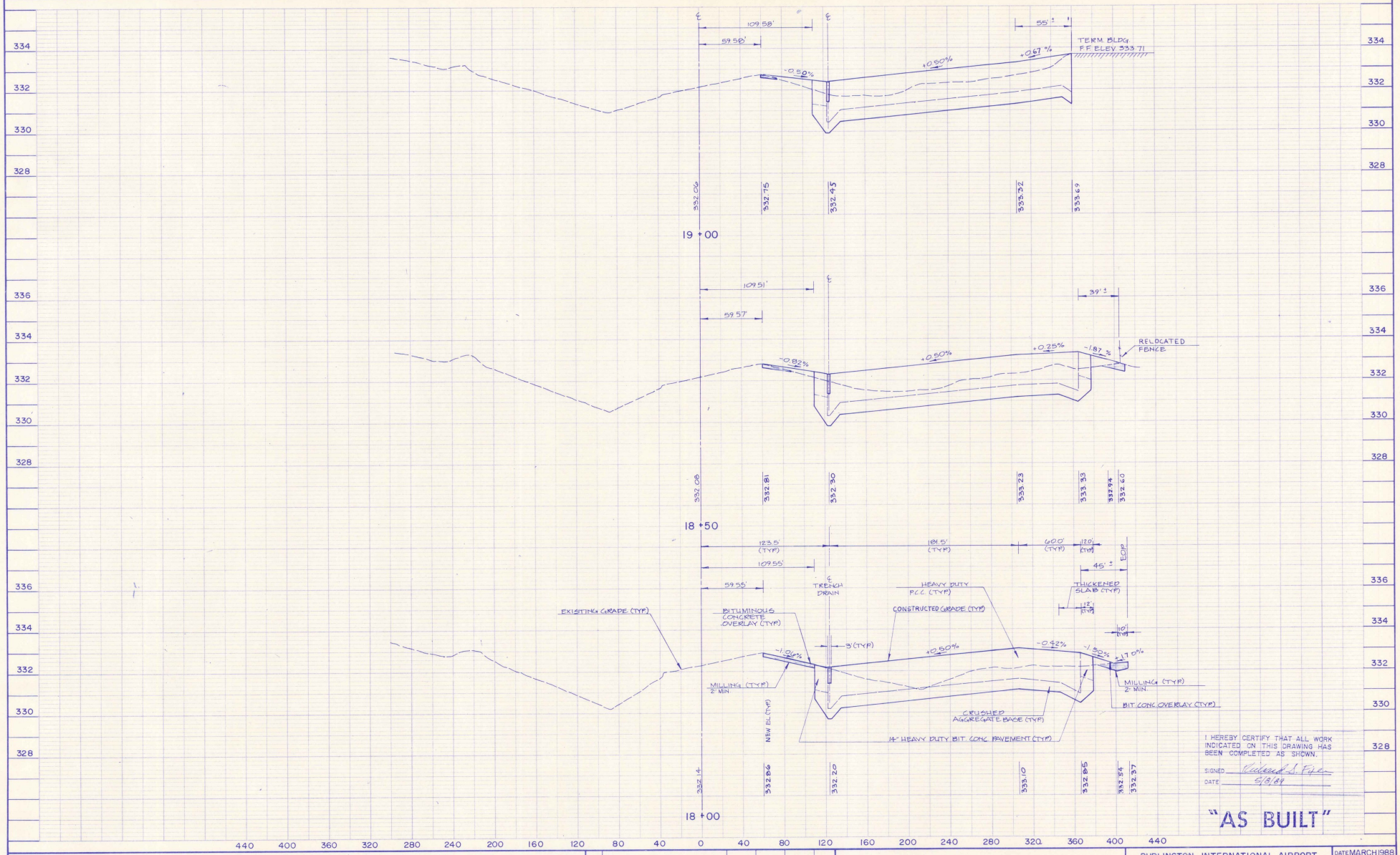
BURLINGTON INTERNATIONAL AIRPORT
RECONSTRUCT TERMINAL APRON-PHASE II

# CROSS SECTIONS
STA. 16+50 TO STA. 17+50

DATE MARCH 1988
DRAWING NO. 12
SHEET NO. 12 of 20

AIP PROJECT NO. 3-50-0005-11

PROPERTY OF HOYLE, TANNER & ASSOCIATES, INC.




I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED Richard S. Fiske

DATE 5/8/89

"AS BUILT"

SCALE: 1" = 40' HORIZ.
1" = 2' VERT.

| REV | DESCRIPTION | DR. BY | CHKD. BY | APPD. BY | DATE |
|---|---|---|---|---|---|
| | REVISED 'AS-BUILT' | MN | SL | SL | 3/89 |

Hoyle, Tanner & Associates, Inc.
Five Commerce Park North • Bedford, NH 03102 (603) 669-5555
HTA Companies: engineers, architects, planners

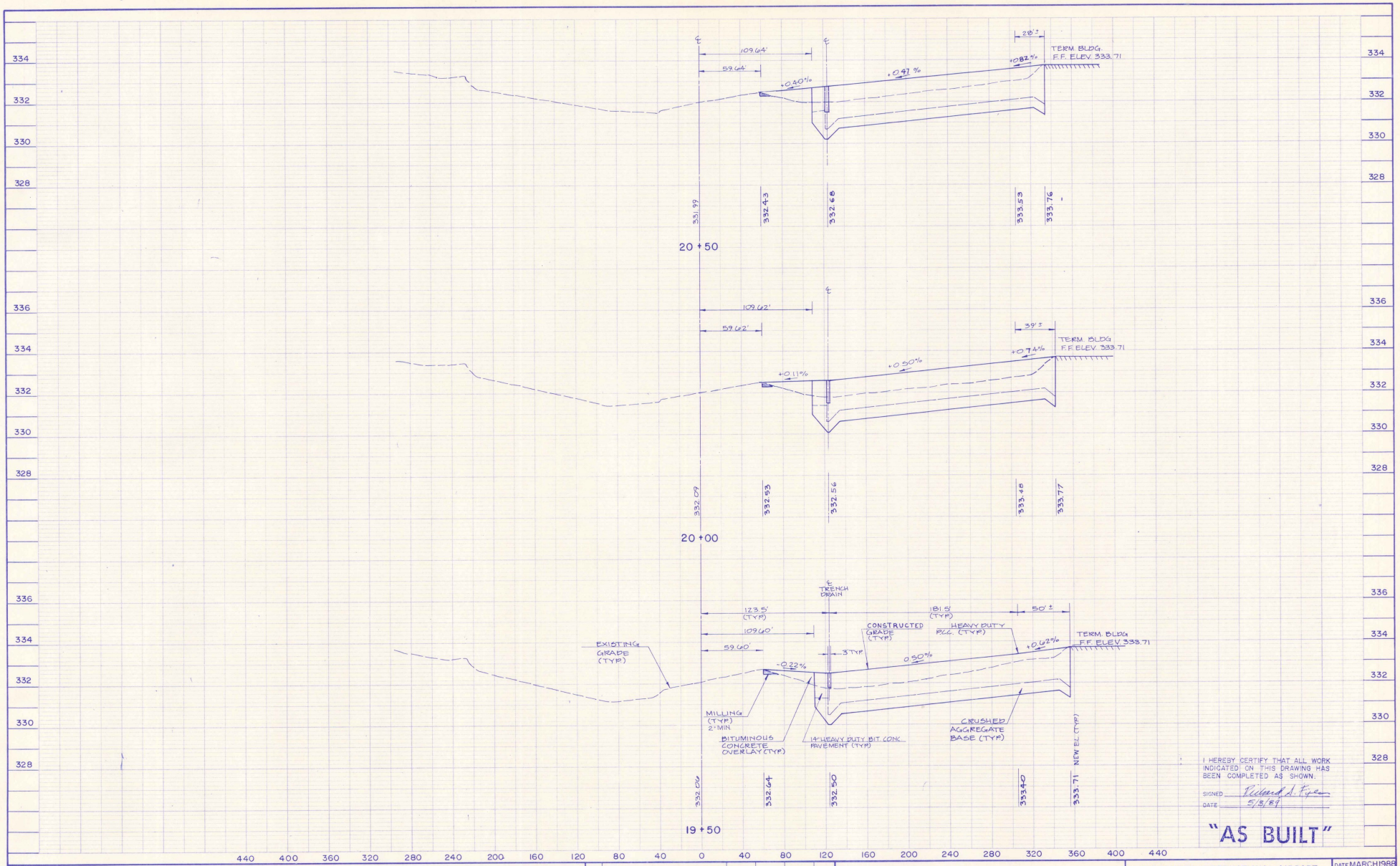
BURLINGTON INTERNATIONAL AIRPORT
RECONSTRUCT TERMINAL APRON - PHASE II

CROSS SECTIONS
STA. 18+00 TO STA. 19+00

DATE MARCH 1988
DRAWING NO. 13
SHEET NO. 13 of 20

AIP PROJECT NO. 3-50-0005-11

PROPERTY OF HOYLE, TANNER & ASSOCIATES, INC.




I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN:

SIGNED Richard A. Fyler

DATE 5/8/89

"AS BUILT"

SCALE: 1" = 40' HORIZ.
1" = 2' VERT.

| REV | DESCRIPTION | DR. BY | CHKD. BY | APPD. BY | DATE |
|---|---|---|---|---|---|
| | REVISED "AS BUILT" | M.V. | | | 3/89 |

Hoyle, Tanner & Associates, Inc. HTA Companies: engineers architects planners
Five Commerce Park North • Bedford, NH 03102 (603) 669-5555

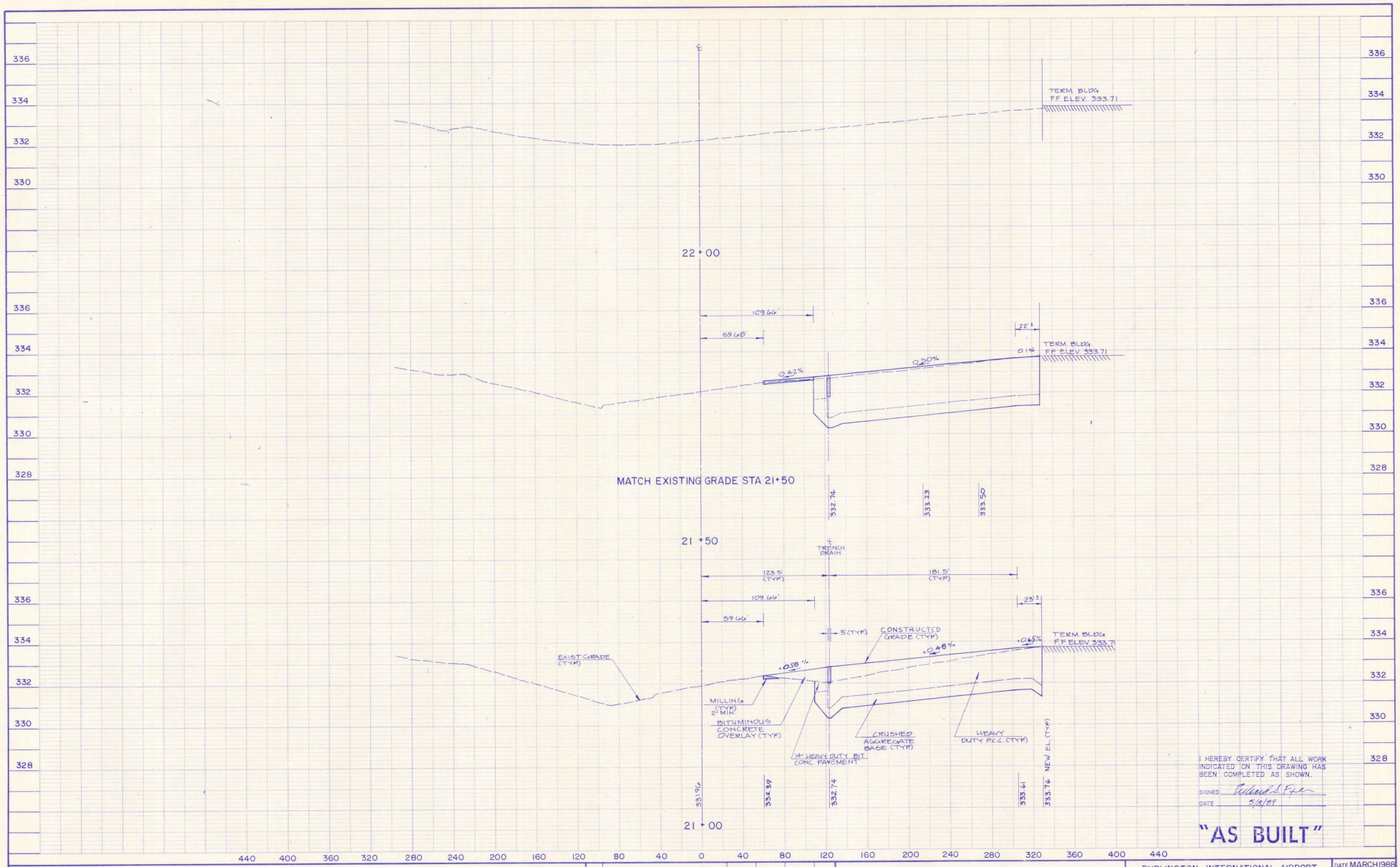
BURLINGTON INTERNATIONAL AIRPORT
RECONSTRUCT TERMINAL APRON-PHASE II

CROSS SECTIONS
STA. 19+50 TO STA. 20+50

DATE MARCH 1988
DRAWING NO. 14
SHEET NO. 14 of 20

AIP PROJECT NO. 3-50-0005-11

PROPERTY OF HOYLE, TANNER & ASSOCIATES, INC.




I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED Richard J. Fyler

DATE 5/9/89

**"AS BUILT"**

SCALE: 1" = 40' HORIZ.
1" = 2' VERT.

| REV | DESCRIPTION | DR. BY | CHKD. BY | APPD. BY | DATE |
|---|---|---|---|---|---|
| | REVISED "AS BUILT" | MW | RL | BW | 3/89 |

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Five Commerce Park North • Bedford, NH 03102 (603)669-5555

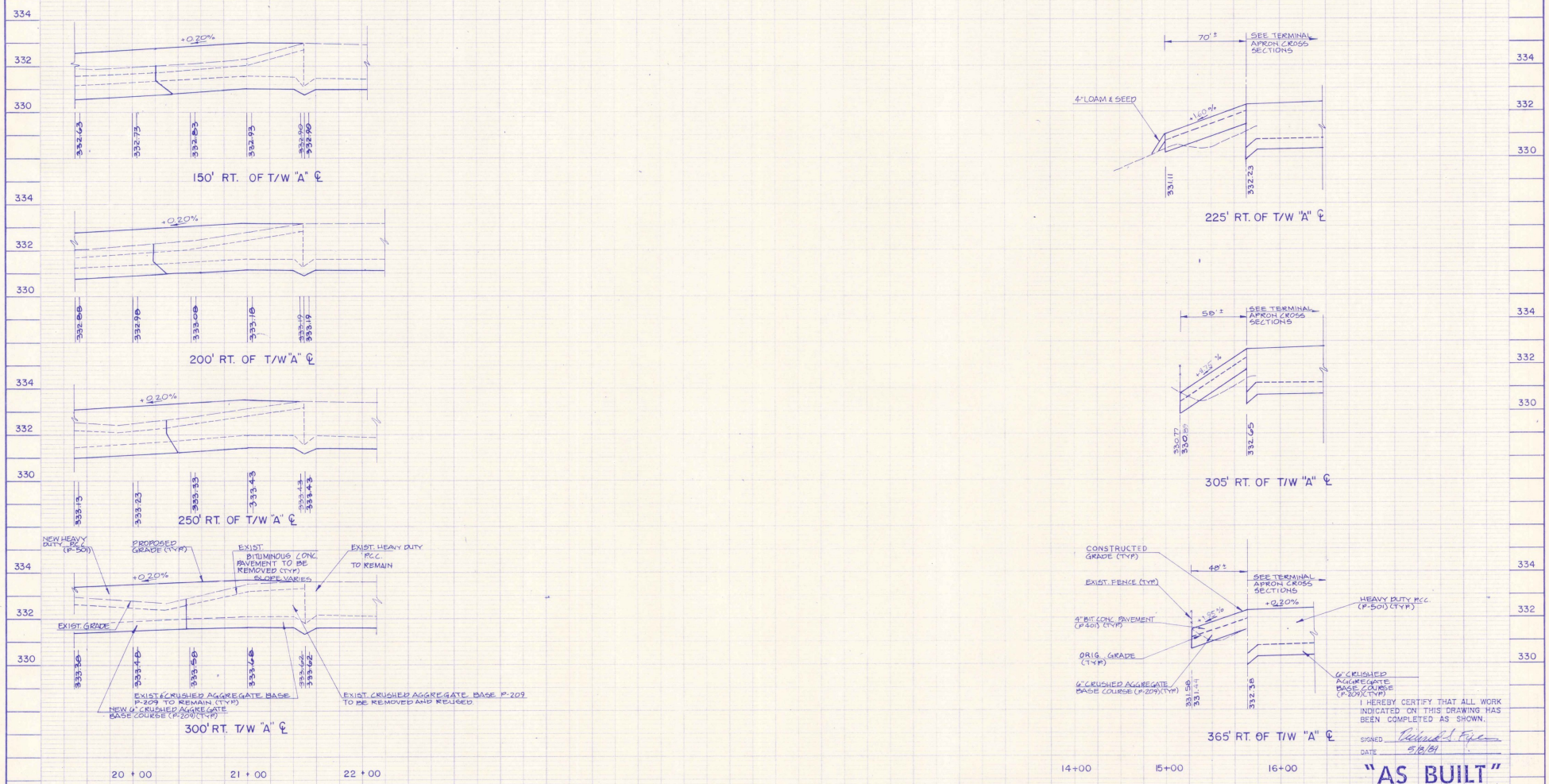
BURLINGTON INTERNATIONAL AIRPORT
RECONSTRUCT TERMINAL APRON-PHASE II

**CROSS SECTIONS**
STA. 21+00 TO STA. 22+00

DATE MARCH 1988
DRAWING NO. 15
SHEET NO. 15 of 20

AIP PROJECT NO. 3-50-0005-11

PROPERTY OF HOYLE, TANNER & ASSOCIATES, INC.




I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED [signature]

DATE 5/8/89

"AS BUILT"

## TERMINAL APRON PROFILES

SEE APRON CROSS SECTION FOR AS-BUILT INFO.

## AIRCRAFT GROUND EQUIPMENT STORAGE AREA PROFILES

SCALE: 1" = 40' HORIZ.
1" = 2' VERT.

| REV. | DESCRIPTION | DR. BY | CHKD. BY | APPD. BY | DATE |
|---|---|---|---|---|---|
| | REVISED "AS-BUILT" | MV | | | |

Hoyle, Tanner & Associates, Inc. HTA engineers architects planners Companies
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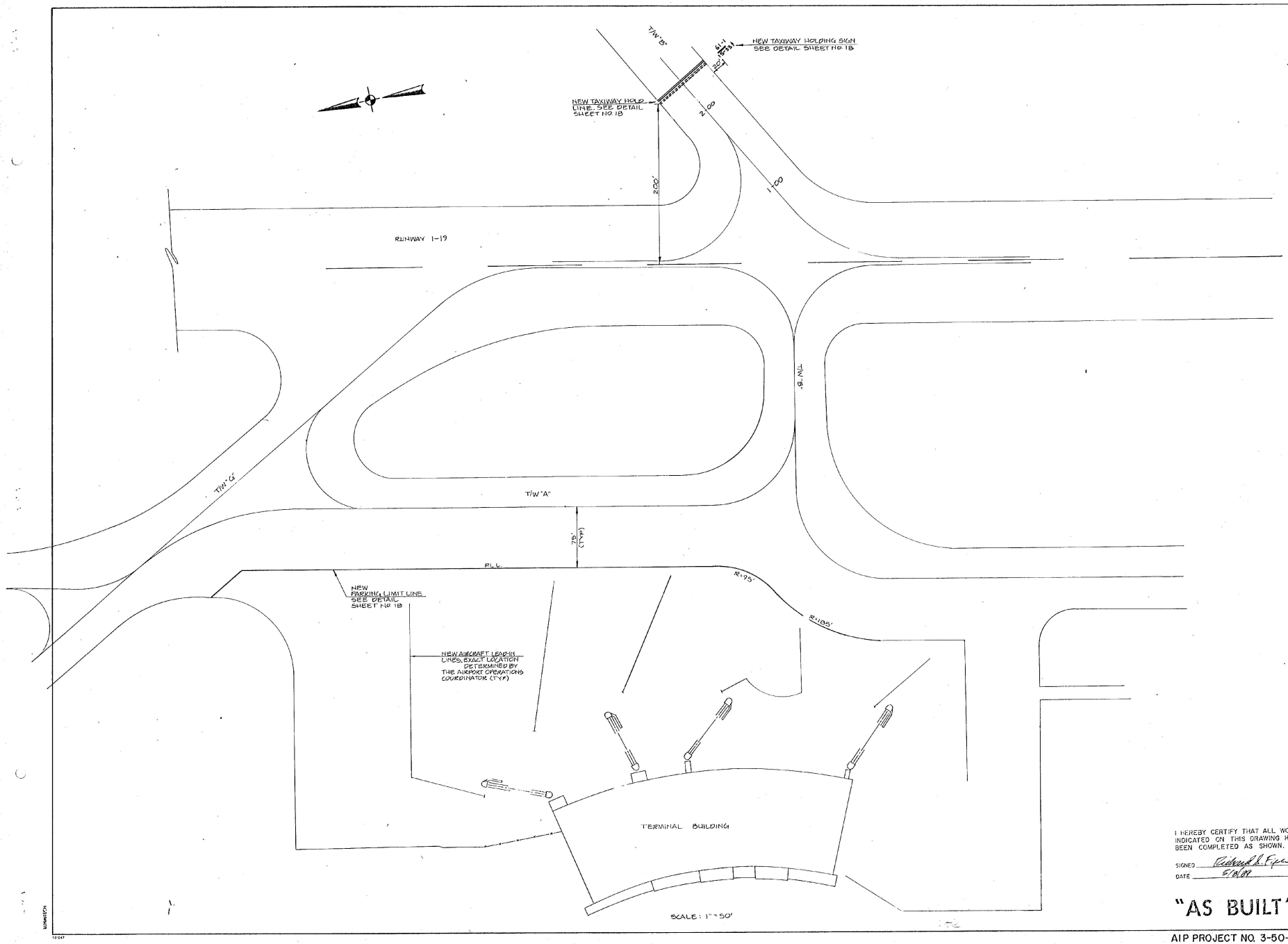
BURLINGTON INTERNATIONAL AIRPORT
RECONSTRUCT TERMINAL APRON – PHASE II

MISCELLANEOUS PROFILES

DATE MARCH 1988
DRAWING NO. 16
SHEET NO. 16 of 20

AIP PROJECT NO. 3-50-0005-11

PROPERTY OF HOYLE, TANNER & ASSOCIATES, INC.




I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED Richard D. Fiske

DATE 5/10/89

"AS BUILT"

ENGINEER/ARCHITECT

| REV | DESCRIPTION | DR BY | CHKD BY | APPD BY | DATE |
|---|---|---|---|---|---|
| | REVISED "AS-BUILT" | MW | BL | BL | 5/10/89 |

PROJECT NO. 37716

Hoyle, Tanner & Associates, Inc.
Five Commerce Park North Bedford NH 03102 (603) 668 5555
HTA Companies: Engineers, Architects, Planners, Surveyors

| SCALE AS SHOWN | DATE: MARCH 1988 | DES. BY J.E.M. | DR. BY H.W.W. | CHKD. BY J.B.D. |
|---|---|---|---|---|

DO NOT SCALE DRAWING

BURLINGTON INTERNATIONAL AIRPORT
SOUTH BURLINGTON, VERMONT

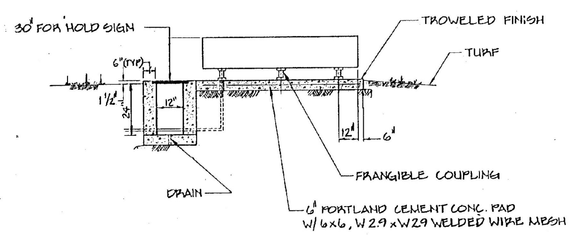
RECONSTRUCT TERMINAL APRON - PHASE II

# PAVEMENT MARKING PLAN

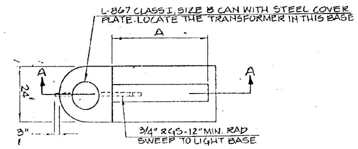
DRAWING NO. 17

SHEET 17 OF 20

AIP PROJECT NO. 3-50-0005-11




SECTION A-A



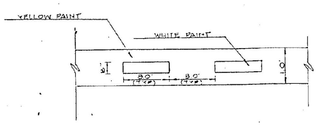

## L-858 LIGHTED SIGN DETAIL

NOT TO SCALE

| LOCATION | TYPE L-858R WHITE ON RED | TYPE L-858Y BLACK ON YELLOW |
|---|---|---|
| T/W B STA 2+40 RT | I-19 | ↑ 15-33 |

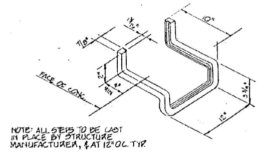
## L-858 TAXIWAY HOLD SIGN SCHEDULE

NOT TO SCALE




## PARKING LIMIT LINE DETAIL

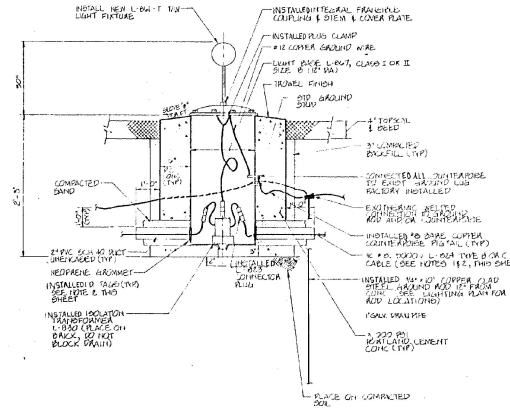
NOT TO SCALE




NOTE: ALL STEPS TO BE CAST IN PLACE BY STRUCTURE MANUFACTURER, & AT 12" O.C. TYP.

## CATCH BASIN STEP

NOT TO SCALE



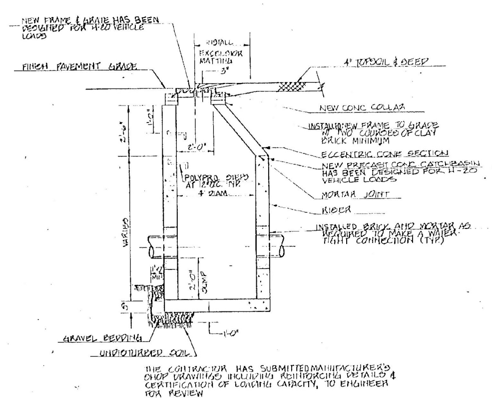

NOTES:

1. SUFFICIENT CABLE SLACK HAS BEEN LEFT IN EACH BASE TO ALLOW TRANSFORMER(S) TO BE TAKEN OUT OF BASE.
2. FOR IDENTIFICATION OF CABLES AT EACH LIGHT BASE, PLASTIC IDENTIFICATION TAGS OR BANDS HAS BEEN ATTACHED TO EACH LEAD, SHOWING THE LIGHT NUMBER TO WHICH IT EXTENDS
3. THE CONTRACTOR HAS FURNISHED & INSTALLED ALL NECESSARY COMPONENTS TO ADJUST THE LIGHTS TO 30°

## LIGHT BASE INSTALLATION

## FAA L-867 DETAIL

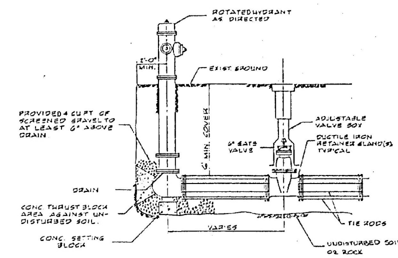
NOT TO SCALE




THE CONTRACTOR HAS SUBMITTED MANUFACTURER'S SHOP DRAWINGS INCLUDING REINFORCING DETAILS & CERTIFICATION OF LOADING CAPACITY, TO ENGINEER FOR REVIEW

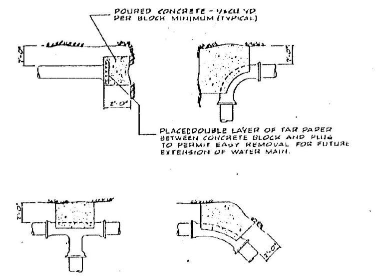
## CATCH BASIN DETAIL

NOT TO SCALE




## HYDRANT AND VALVE DETAIL

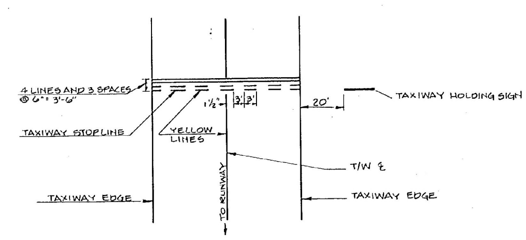
NOT TO SCALE




| MINIMUM THRUST BLOCK BEARING AREA REQUIRED AGAINST UNDISTURBED MATERIAL (FT²) | | | | | |
|---|---|---|---|---|---|
| PIPE SIZE | 90° BEND | TEE | PLUG | 45° BEND | 22½° & SMALLER |
| 8" | 7 | 6 | 5 | 4 | 2 |
| 6" | 5 | 4 | 3 | 2 | 2 |
| SIZE OF THRUST BLOCK MAY BE INCREASED BY THE ENGINEER TO MEET SOIL CONDITIONS FOUND DURING CONSTRUCTION | | | | | |

## THRUST BLOCK DETAILS

NOT TO SCALE




## T/W HOLDING POSITION MARKER DETAILS

NOT TO SCALE

I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED Richard S. Fige

DATE 5/8/89

"AS BUILT"

AIP PROJECT NO. 3-50-0005-11

ENGINEER/ARCHITECT

| REV. | DESCRIPTION | DR. BY | CHKD. BY | APPD. BY | DATE |
|---|---|---|---|---|---|
| | REVISED "AS-BUILT" | MV | BL | BL | 3/89 |

PROJECT NO. 37716

Hoyle, Tanner & Associates, Inc. HTA Companies — engineers architects planners surveyors

Five Commerce Park North · Bedford, NH 03102 · (603) 669-5555

SCALE: AS SHOWN | DATE: MARCH 1988 | DES. BY J.E.M. | DR. BY H.W.W. | CHKD. BY J.B.D.

DO NOT SCALE DRAWING

BURLINGTON INTERNATIONAL AIRPORT
SOUTH BURLINGTON, VERMONT

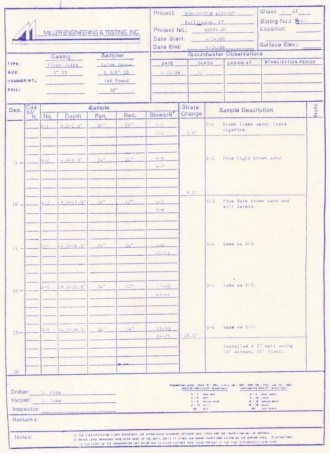
RECONSTRUCT TERMINAL APRON-PHASE II

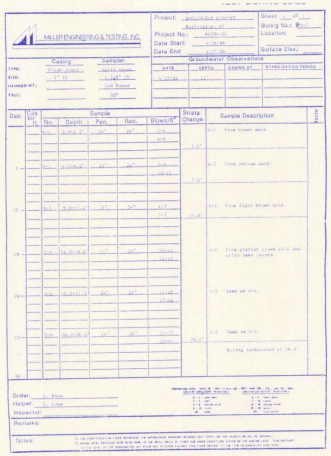
# MISCELLANEOUS DETAILS

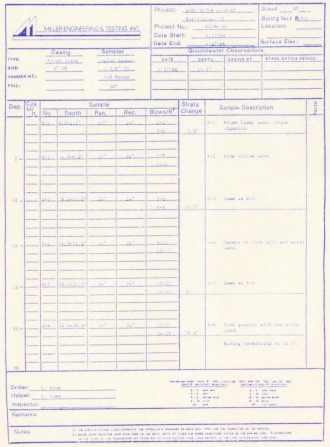
DRAWING NO. 18

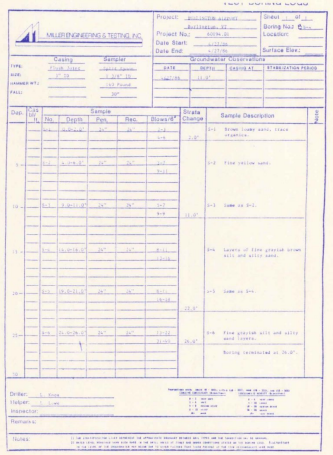


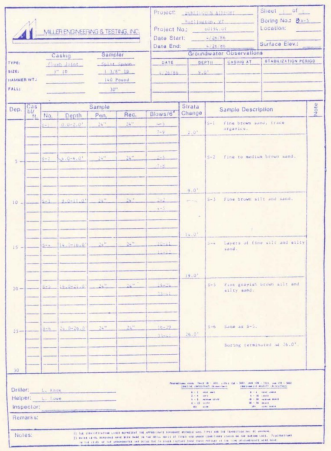
KEMOTECH 131047

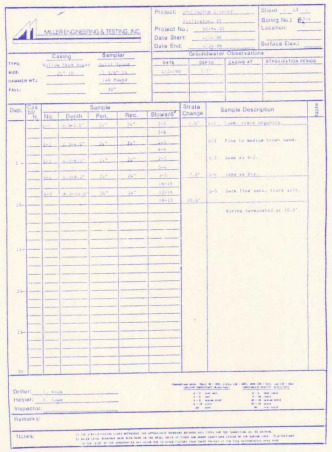


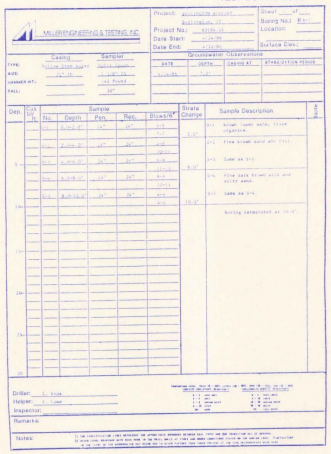












NOTE:

A. GENERAL - THIS SUBSURFACE DATA IS OFFERED IN GOOD FAITH SOLELY FOR THE PURPOSE OF PLACING THE CONTRACTOR IN RECEIPT OF ALL INFORMATION AVAILABLE TO THE OWNER.

THE OWNER AND THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONCLUSIONS DRAWN FROM THIS DATA BY THE CONTRACTOR.

B. BORING LOGS - A COPY OF THE BORING LOGS IS INCLUDED IN THE CONTRACT DRAWINGS FOR THE CONTRACTOR'S INFORMATION.

THE LOGS SHOW THE TYPE OF MATERIAL FOUND AT THE EXACT LOCATION TAKEN AND DO NOT NECESSARILY INDICATE THE TYPE OF SOIL ELSEWHERE WITHIN THE PROJECT SITE.

THE LOCATIONS OF EACH BORING IS SHOWN ON THE CONTRACT DRAWINGS.

I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED Richard Fife

DATE 5/8/89

"AS BUILT"

ENGINEER/ARCHITECT

| REV | DESCRIPTION | BY | CHKD BY | APPD BY | DATE |
|---|---|---|---|---|---|
| | | | | | |

PROJECT NO. 37716

Hoyle, Tanner & Associates, Inc. HTA engineers architects planners Companies
Five Commercial Park North, Bedford, NH 03102 (603) 669-5555

| SCALE | DATE | DES. BY | DR. BY | CHKD. BY |
|---|---|---|---|---|
| NONE | MARCH 1988 | KJF | CBB | JBD |

DO NOT SCALE DRAWING

BURLINGTON INTERNATIONAL AIRPORT
SOUTH BURLINGTON, VERMONT

RECONSTRUCT TERMINAL APRON - PHASE II

BORING LOGS

DRAWING NO. 19

SHEET 19 OF 20

AIP PROJECT NO. 3-50-0005-11

TEST BORING LOGS

TEST BORING LOGS

TEST BORING LOGS

TEST BORING LOGS

TEST BORING LOG

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TEST BORING LOG

TEST BORING LOG

"AS BUILT"

I HEREBY CERTIFY THAT ALL WORK INDICATED ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

SIGNED Richard A. Fine

DATE 5/9/89

ENGINEER/ARCHITECT

| REV | DESCRIPTION | DR. BY | CHKD BY | APPD BY | DATE |
|---|---|---|---|---|---|
| | REVISED AS-BUILT | MN | | | |

PROJECT NO 37716

Hoyle, Tanner & Associates, Inc. HTA engineers architects planners

Five Commerce Park North Bedford, NH 03102 (603) 669 5555 Companies

| SCALE NONE | DATE MARCH 1988 | DES. BY KJF | DR. BY CBB | CHKD. BY JBD |
|---|---|---|---|---|

DO NOT SCALE DRAWING

BURLINGTON INTERNATIONAL AIRPORT

SOUTH BURLINGTON, VERMONT

RECONSTRUCT TERMINAL APRON - PHASE II

BORING LOGS

DRAWING NO. 20

SHEET 20 OF 20

AIP PROJECT NO.3-50-0005-11